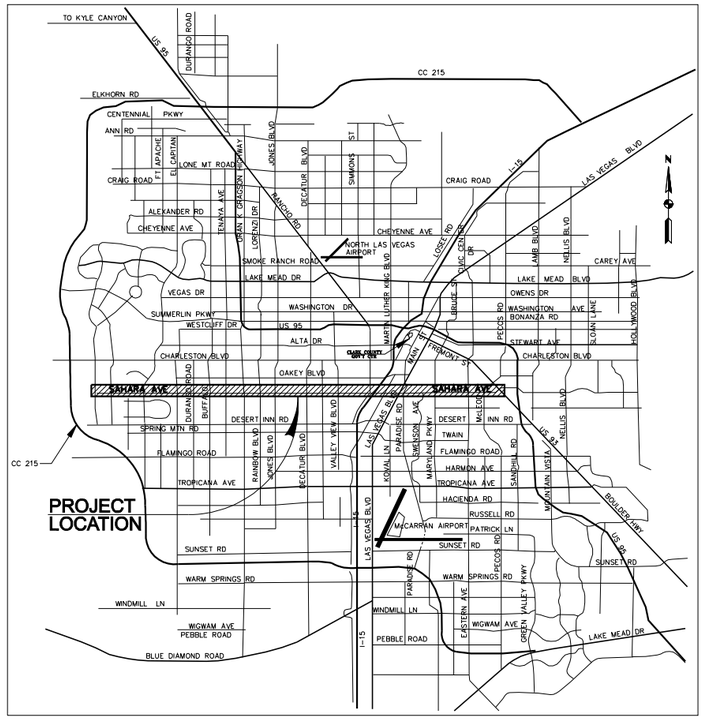


Vicinity Map

NTS

REGIONAL TRANSPORTATION COMMISSION

RTC

OF SOUTHERN NEVADA

RECOVERY.GOV

USDOT TIGER DOT.GOV

2010
IMPROVEMENT PLANS FOR
SAHARA AVENUE
BUS RAPID TRANSIT PROJECT
Volume 1

FUNDED BY

AMERICAN RECOVERY AND REINVESTMENT ACT'S (ARRA) TRANSPORTATION GENERATING ECONOMIC RECOVERY (TIGER) PROGRAM AS ADMINISTERED BY THE U. S. DEPARTMENT OF TRANSPORTATION'S FEDERAL TRANSIT ADMINISTRATION ALONG WITH LOCAL SALES TAX REVENUES ADMINISTERED BY THE REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

Regional Transportation Commission of Southern Nevada

Approved:

Jacob L. Snow, General Manager

City of Las Vegas

Approved:

CLV City Engineer

Clark County Director of Public Works

Approved:

Denis Cederburg

NV ENERGY REVIEW

NV ENERGY COMPANY ACKNOWLEDGES THAT WE HAVE RECEIVED YOUR PLANS AND WILL PROVIDE SERVICE TO ALL ELECTRICAL NEEDS ASSOCIATED WITH THIS PROJECT. NV ENERGY RESERVES THE RIGHT TO ADDRESS ANY EXISTING OR FUTURE CONFLICTS ONCE THE FINAL DESIGN IS COMPLETED. THE NEW SERVICE AND THE RESOLUTION OF ANY CONFLICTS WILL BE ACCOMPLISHED PURSUANT TO THE NEVADA PUBLIC UTILITY COMMISSION'S RULES AND REGULATIONS.

CENTURY LINK REVIEW

THE AFFIXED CENTURY LINK APPROVAL DOES NOT ASSUME OR GUARANTEE LIABILITY FOR KNOWN OR UNKNOWN CONFLICTS WITH EXISTING OR PROPOSED IMMPROVEMENTS. RESOLUTION OF ANY CONFLICT WILL BE ACCOMPLISHED PURSUANT TO LOCAL ORDINANCES, NEVADA REVISED STATUTES AND/OR PUBLIC UTILITY COMMISSION RULES AND REGULATIONS.

SOUTHERN NEVADA WATER AUTHORITY REVIEW

SOUTHERN NEVADA WATER AUTHORITY (SNWA) APPROVAL ON THIS SHEET IS VALID FOR ONE (1) YEAR FROM THE SIGNATURE DATE. IF CONSTRUCTION WITHIN THE EASEMENT OR RESTRICTED PIPE SAFETY ZONE IS NOT COMPLETE, PLANS MUST BE RESUBMITTED TO SNWA FOR APPROVAL.

AGENCY	PLANS REVIEWED BY	DATE
CENTURY LINK		
LAS VEGAS VALLEY WATER DISTRICT		
SOUTHWEST GAS CORPORATION		
NEVADA ENERGY [TRANSMISSION]		
NEVADA ENERGY [DISTRIBUTION]		
CLARK COUNTY WATER RECLAMATION DISTRICT		
COX COMMUNICATIONS, LAS VEGAS, INC		
FREEWAY ARTERIAL SYSTEM OF TRANSPORTATION (FAST)		
TW TELECOM, INC.		

AGENCY	PLANS REVIEWED BY	DATE
SOUTHERN NEVADA WATER AUTHORITY		
CLARK COUNTY FIRE DEPARTMENT		

REVISIONS			
REV. NO.	DATE	DESCRIPTION	APPROVED
A1	1/2/2013	AS-BUILT	RJP

COVER SHEET

SHEET No. 1A

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

AS-BUILT - 01.02.2013

GENERAL NOTES:

1. ALL REFERENCES TO STANDARD DRAWINGS ARE TO UNIFORM STANDARD DRAWINGS, CLARK COUNTY AREA (USDCCA) LATEST EDITION UNLESS OTHERWISE SPECIFIED.

2. ALL WORK DONE WITHIN THE PUBLIC RIGHT-OF-WAY AND OUTSIDE THE PROJECT BOUNDARIES REQUIRES A SEPARATE ENCROACHMENT PERMIT ISSUED BY THE CLARK COUNTY DEPARTMENT OF PUBLIC WORKS. TRENCH AND PAVEMENT REPLACEMENT CONDITIONS SHALL BE AS PER THE PERMIT.

3. EXACT LOCATIONS OF ALL SAWCUT LINES SHALL BE DETERMINED IN THE FIELD BY AN INSPECTOR FOR THE AGENCY THAT MAINTAINS JURISDICTION.

4. THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL NECESSARY PERMITS AND FEES REQUIRED FOE CONSTRUCTION.

5. THE CONTRACTOR SHALL NOTIFY ALL AFFECTED PUBLIC ENTITIES, THE PROJECT ENGINEER, THE SIOLS ENGINEER, AND THE COUNTY OF CLARK AT LEAST 48 HOURS PRIOR TO THE COMMENCEMENT OF WORK.

6. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE EXACT LOCATION OF ALL EXISTING UTILITIES WITHIN THE LIMITS OF CONSTRUCTION,WHETHER OR NOT SAID UTILITIES ARE SHOWN ON THESE PLANS. THIS RESPONSIBILITY INCLUDES CONTACTING UTILITY COMPANIES FOR LOCATIONS OR POTHOLING PRIOR TO CONSTRUCTION. ANY DAMAGE TO EXISTING UTILITIES DURING CONSTRUCTION IS THE RESPONSIBILITY OF THE CONTRACTOR.

7. THE CONTRACTOR SHALL VERIFY IN THE FIELD ALL DIMENSIONS, EXISTING CONDITIONS, AND POINTS OF CONNECTION WITH ADJOINING PROPERTY (PUBLIC AND PRIVATE). ANY DISCREPANCIES SHALL BE CALLED TO THE ATTENTION OF THE PROJECT ENGINEER PRIOR TO PROCEEDING WITH THE WORK.

8. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY HORIZONTAL AND VERTICAL TRANSITIONS BETWEEN NEW CONSTRUCTION AND EXISTING SURFACES FOR PROPER DRAINAGE, INGRESS AND EGRESS TO THE PROJECT.

9. FINAL ASPHALTIC CONCRETE PAVEMENT SURFACES SHALL BE ONE-HALF INCH ABOVE THE LIP OF THE GUTTER (INCLUDING UTACS) FOR CCPW STANDARD CURB AND GUTTER. PAVEMENT SURFACES SHALL BE FLUSH WITH THE EDGES OF CROSS GUTTERS AND WHEELCHAIR RAMPS.

10. THE CONTRACTOR SHALL MAINTAIN AN ONGOING PROCESS OF REMOVAL OF ALL SPILLAGE OF EXCAVATION MATERIAL ON ALL PAVED STREETS.

11. ALL OF OFF SITE IMPROVEMENT CONSTRUCTION SHALL CONFORM TO THE UNIFORM STANDARD SPECIFICATIONS AND UNIFORM STANDARD DRAWINGS, FOR PUBLIC WORKS CONSTRUCTION, CLARK COUNTY AREA, LATEST REVISION, AT THE TIME OF PUBLIC ADVERTISEMENT.

12. THE CONTRACTOR SHALL PRESERVE AND PROTECT ALL EXISTING TRAFFIC SIGNS THAT ARE TO REMAIN IN PLACE . ANY EXISTING TRAFFIC SIGNS THAT ARE NOT IDENTIFIED IN THE PLANS SHALL REMAIN IN PLACE UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

13. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE AND INSTALL ALL PERMANENT SIGNS SHOWN ON THE PLANS. STREET NAME SIGNS SHALL CONFORM IN THEIR ENTIRETY TO CLARK COUNTY AREA STANDARDS. ALL OTHER SIGNS SHALL BE STANDARD SIZE UNLESS SPECIFIED ON THE PLANS. ALL POSTS SHALL BE INSTALLED IN ACCORDANCE WITH CLARK COUNTY AREA STANDARDS.

14. ALL PERMANENT TRAFFIC CONTROL DEVICES CALLED FOR HEREON SHALL BE IN PLACE AND IN FINAL POSITION PRIOR TO ALLOWING ANY PUBLIC TRAFFIC ONTO THE PORTIONS OF ROAD(S) BEING IMPROVED, REGARDLESS OF THE STATUS OF COMPLETION OF PAVING OR OTHER OFF SITE IMPROVEMENTS CALLED FOR.

15. ALL PERMANENT TRAFFIC SIGNS FOR CLARK COUNTY ROADWAYS SHALL USE CLASS 4 SHEETING, EXCEPT FOR STREET NAME SIGNS WHICH SHALL USE CLASS 6 SHEETING.

16. DIMENSIONS TO CLARK COUNTY TYPE L CURB & GUTTER, NDOT TYPE 4 CURB & GUTTER,NDOT TYPE 5 CURB & GUTTER AND NDOT TYPE 8 CURB & GUTTER ARE TO BE MEASURED TO BACK OF CURB. DIMENSIONS TO CLARK COUNTY TYPE A CURB, NDOT GLUEDOWN CURB, NDOT TYPE 2 CURB, AND CLARK COUNTY TACK ON ISLAND ARE TO BE MEASURED TO FACE OF CURB.

17. EXISTING CONTOURS SHOWN ON CONSTRUCTION PLANS AND EXISTING GROUND SHOWN ON PROFILE SHEETS MAY NOT REPRESENT CURRENT CONDITIONS.

18. ALL STATIONS AND OFFSETS FOR DETECTABLE WARNING PANELS, CURB RAMPS, RECONSTRUCT RAMPS AND RECONSTRUCT CROSS GUTTER SPANDRELS ARE TO BE MEASURED TO THE CENTER OF THE TRAFFIC SIDE OF THE DETECTABLE WARNING PANEL.

19. THE LANDING WIDTH FOR ALL NDOT CURB RAMPS ARE 4' UNLESS OTHERWISE NOTED ON THE CONSTRUCTION PLANS.

19. SIDEWALK CROSS SLOPE WILL VARY. SEE TYPICAL SECTIONS FOR DETAILS.

20. DETECTABLE WARNING PANELS SHALL BE INSTALLED AT ALL NEW CURB RAMPS AND MEDIAN OPENINGS AT PEDESTRIAN CROSSINGS. DETECTABLE WARNINGS SHALL BE INSTALLEDPER MANUFACTURERS GUIDELINES AND CONFORM TO PROWAG (R304.1.3) "CONTRAST" AND (R303.2.1.3) "LOCATION & ALIGNMENT".

APPROVED FOR CONSTRUCTION:

Signature On File
LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER

PROJECT No. 116433 DATE 5/3/2011

APPROVAL OF THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR, OR AN APPROVAL OF, ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS.

ABBREVIATIONS:

AASHTO	AMERICAN ASSOCIATION OF STATE HIGHWAY & TRANSPORTATION OFFICIALS
AB	ANCHOR BOLT
AC	ASPHALT CONCRETE PAVEMENT
ACP	ASBESTOS CEMENT PIPE
AD	ALGEBRAIC DIFFERENCE
AHD	AHEAD
ALT	ALTERNATE
AP	ANGLE POINT
APN	ASSESSOR PARCEL NO.
APPROX	APPROXIMATE
AVAR	AIR VACUUM AIR RELEASE VALVE
AVE	AVENUE
B	BOTTOM WIDTH
BC	BACK OF CURB
BLVD	BOULEVARD
BP	BUS PAD
BRG	BEARING
BS	BACK SLOPE
BVCE	BEGIN VERTICAL CURVE ELEVATION
BVCS	BEGIN VERTICAL CURVE STATION
BK	BACK
BW	BACK OF SIDEWALK
BL	BASELINE
CATV	CABLE TELEVISION
C & G	CURB & GUTTER
CCPW	CLARK COUNTY PUBLIC WORKS
CCWRD	CLARK COUNTY WATER RECLAMATION DISTRICT
CEN	CENTER
CF	CUBIC FOOT
CIP	CAST IRON PIPE
CL	CENTER LINE
CLR	CLEAR
CLV	CITY OF LAS VEGAS
COL	COLUMN
CONC	CONCRETE
CONST	CONSTRUCTION
CY	CUBIC YARD
CYL	CYLINDER
DCDA	DOUBLE CHECK DETECTOR ASSEMBLY
DCVA	DOUBLE CHECK VALVE ASSEMBLY
DIA, n	DIAMETER
DIP	DUCTILE IRON PIPE
DWG	DRAWING
E	ELECTRIC (UTILITY PLANS)
EA	EACH
EF	EACH FACE
EGL	ENERGY GRADE LINE
ELEV	ELEVATION
EQ	EQUAL
ETC	ETCETERA
ET&C	ELECTRIC, TELEPHONE & CABLE
EXIST	EXISTING
EXT	EXTERNAL
FF	FAR FACE
FG	FINISHED GRADE
FH	FIRE HYDRANT
FHWA	FEDERAL HIGHWAY ADMINISTRATION
FL	FLOW LINE
FMCT	FLOW METER COMPOUND TURBINE
FO	FIBER OPTIC
F.O.C.	FACE OF CONCRETE
F.O.M.	FACE OF MASONRY
FS	FORE SLOPE
FW	FACE OF RETAINING WALL
G	GAS
GALV	GALVANIZED
H	HEIGHT
HDPE	HIGH DENSITY POLYETHYLENE
HGL	HYDRAULIC GRADE LINE
HORIZ	HORIZONTAL
HP	HIGH PRESSURE
INT	INTERNAL
INV	INVERT
K	K VALUE
L	LENGTH
LF	LINEAR FOOT
LS	LUMP SUM
LPM	LIQUID PAVEMENT MARKINGS
LT	LEFT
LTG	LIGHTING
LVVWD	LAS VEGAS VALLEY WATER DISTRICT
MAX	MAXIMUM
MED	MEDIAN
MIN	MINIMUM
MISC	MISCELLANEOUS
MLCP	MORTAR LINED AND COATED PIPE
MTR	METER
NDOT	NEVADA DEPARTMENT OF TRANSPORTATION
NEMA	NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATION
NF	NEAR FACE
No.	NUMBER
NVE	NEVADA ENERGY
NPI	NO PAY ITEM
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OHP/T/C	OVERHEAD POWER, TELEPHONE & CABLE
PB	PULLBOX
PC	POINT OF CURVATURE
PCC	POINT OF COMPOUND CURVATURE (PLAN VIEWS)
PCCP	PORTLAND CEMENT CONCRETE PAVEMENT
PCF	POUNDS PER CUBIC FOOT
"Pe"	SAHARA AVENUE BASELINE (NDOT CONTROL LINE)
PE	POLYETHLYENE PIPE
PED	PEDESTRIAN
PEN	PENETRATION
PGL	PROFILE GRADE LINE
PI	POINT OF INTERSECTION
POC	POINT ON CURVE
POT	POINT ON TANGENT
PPCBR	PORTABLE PRECAST CONCRETE BARRIER RAIL
PRC	POINT OF REVERSE CURVATURE
PRV	PRESSURE REGULATING VALVE
PSI	POUNDS PER SQUARE INCH
PT	POINT OF TANGENCY
PVC	POLYVINYL CHLORIDE
PVI	POINT OF VERTICAL INTERSECTION
PVMT	PAVEMENT
R	RADIUS
RCB	REINFORCED CONCRETE BOX
RCP	REINFORCED CONCRETE PIPE
RD	ROAD
REQ'D	REQUIRED
RGS	RIGID GALVANIZED CONDUIT
RPM	RAISED PAVEMENT MARKER
RPPA	REDUCED PRESSURE PRINCIPLE ASSEMBLY
RT	RIGHT
R/W	RIGHT-OF-WAY
S	SLOPE, ft/ft
"SA"	SAHARA AVENUE BASELINE (EXISTING)
SCCP	STEEL CYLINDER CONCRETE PIPE
SD	STORM DRAIN
SDMH	STORM DRAIN MANHOLE
SF	SQUARE FOOT
S-G	STEEL GAS
SHLDR	SHOULDER
SHT	SHEET
SL	STREET LIGHT
SP	SPACE
SPEC	SPECIFICATION
SS	SANITARY SEWER
SSMH	SANITARY SEWER MANHOLE
SNWA	SOUTHERN NEVADA WATER AUTHORITY
STA	STATION
STD	STANDARD
STL	STEEL
S/W	SIDEWALK
SY	SQUARE YARD
T	TELEPHONE LINE
TBC	TOP BACK OF CURB
TEL	TELECOMMUNICATION
THK	THICKNESS
TMH	TELEPHONE MANHOLE
TS	TUBE STEEL
TYP	TYPICAL
UDACS	UNIFORM DESIGN AND CONSTRUCTION STANDARDS
UGE	UNDERGROUND ELECTRIC
UNO	UNLESS NOTED OTHERWISE
USDCCA	UNIFORM STANDARD DRAWINGS, CLARK COUNTY AREA
UTACS	ULTRA THIN ASPHALT CONCRETE SURFACE
V/WV	VALVE
VC	LENGTH OF VERTICAL CURVE
VERT	VERTICAL
W	WATER (UTILITY PLANS)

LEGEND

- BILLBOARD
- CACTUS
- FLAG
- GRID TICK
- AERIAL PANELS
- PALM TREE
- SINGLE TREE
- PEDESTRIAN SIGNAL
- CULVERT
- POST- MISC
- SPOT ELEVATION (2980.5)
- TRANSMISSION
- BRIDGE SIGNS
- CATCH BASIN
- FIRE HYDRANT (FH)
- METER / UTILITY
- MAN HOLE (MH)
- STREET LIGHT
- LIGHT POLE
- UTILITY POLE
- SIGNS
- SIGNS
- TV DISH
- STREET SIGN
- GATE
- TRAFFIC SIGNAL
- VALVE
- ARROWS / STRAIGHT
- ARROW / TURNS
- ARROWS / TURNS
- BIKE LANE
- HANDICAP
- TRAFFIC PAINT (EXIT STOP)
- TRAFFIC PAINT (ONLY TURN)
- BUILDING
- BRIDGE
- CANOPY
- CENTER LINE PAINT
- CONCRETE
- ELEVATION TEXT (3560)
- CURB / GUTTER
- DIRT ROAD
- GOLF FAIRWAY
- FENCE
- GRID TEXT (N 80000)
- INDEX CONTOUR (3130)
- INTER CONTOUR
- ASPHALT PAVEMENT
- SWIMMING POOL
- RETAINING WALL
- PAVED ROAD
- RAILROAD
- TREE LINE
- GUARD RAIL
- PARKING STRIPES
- WASH
- DROP INLET

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

Index of Sheets

Volume 1

1A	COVER SHEET - VOLUME 1
2 - 3	GENERAL NOTES, LEGEND, ABBREVIATIONS AND INDEX OF SHEETS
CP-1 - CP-5	CONTROL POINTS
SP-1 - SP-51	SITE PREPARATION PLANS
TY-1 - TY-13	TYPICAL SECTIONS
C-1 - C-51	CONSTRUCTION PLANS
SD-1 - SD-15	SPECIAL DETAILS
UN-1 - UN-2	UTILITY NOTES
U-1 - U-52	UTILITY PLANS
H-1	HYDRAULIC PROFILES
L1.01 - L1.40	LANDSCAPE PLANTING PLANS
L2.01 - L2.40	LANDSCAPE IRRIGATION PLANS
L3.01	LANDSCAPE DETAIL PLAN

Volume 2

1B	COVER SHEET - VOLUME 2
2	GENERAL NOTES, LEGEND, ABBREVIATIONS AND INDEX OF SHEETS
ST-1 - ST-54	STRIPING PLANS
TS-1 - TS-134	SIGNING PLANS
T-1 - T-36	TRAFFIC SIGNAL PLANS
IT-1 - IT-63	ITS AND LIGHTING PLANS
E-1 - E-5	PLATFORM SERVICE PLANS
S-1 - S-9	BUS SHELTER PLANS AND DETAILS

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

REV. NO.	DATE	DESCRIPTION	APPROVED
A	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
GENERAL NOTES , LEGEND , ABBREVIATIONS AND INDEX OF SHEETS
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: SSM
DESIGNED BY: KK CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-8632 • FAX (702) 736-0704

SCALE
HORIZ : NONE
VERT : NONE
FIELD BOOK : NONE

SHEET No. 2

CITY OF LAS VEGAS TRAFFIC NOTES:

1. ALL CONSTRUCTION SIGNING, BARRICADING, AND TRAFFIC DELINEATION SHALL CONFORM TO THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES", LATEST EDITION.

2. THE STREET SIGN CONTRACTOR SHALL OBTAIN STREET NAMES AND BLOCK NUMBERING FROM THE PLANNING DEPARTMENT PRIOR TO CONSTRUCTION.

3. BEFORE ANY WORK IS STARTED IN THE RIGHT-OF-WAY, THE CONTRACTOR SHALL INSTALL ALL ADVANCE WARNING SIGNS FOR THE CONSTRUCTION ZONE. THE CONTRACTOR SHALL INSTALL TEMPORARY STOP SIGNS AT ALL NEW STREET ENCROACHMENTS INTO EXISTING CITY STREETS WHERE WARRANTED IMMEDIATELY AFTER FIRST GRADING WORK IS ACCOMPLISHED, AND SHALL MAINTAIN SAID SIGNS UNTIL PERMANENT SIGNS ARE INSTALLED.

4. WHEN A DESIGNATED "SUGGESTED ROUTE TO SCHOOL" IS ENCROACHED UPON BY A CONSTRUCTION WORK ZONE AND PUBLIC WORKS STAFF IDENTIFIES A NEED FOR STUDENTS TO BE ASSISTED IN THE SAFE CROSSING THROUGH THAT WORK ZONE, THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE A QUALIFIED "CROSSING GUARD". THE GUARD SHALL BE PRESENT FOR THE FULL DURATION OF TIME THAT CHILDREN ARE LIKELY TO BE PRESENT.

5. IF THE IMPROVEMENTS NECESSITATE THE OBLITERATION, TEMPORARY OBSTRUCTION, TEMPORARY REMOVAL OR RELOCATION OF ANY EXISTING TRAFFIC PAVEMENT MARKING, SUCH PAVEMENT MARKING SHALL BE RESTORED OR REPLACED WITH LIKE MATERIALS TO THE SATISFACTION OF THE CITY TRAFFIC ENGINEER.

6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND INSTALLING ALL PERMANENT SIGNS SHOWN ON THE PLANS. ALL NEW TRAFFIC SIGNS SHALL BE FABRICATED WITH DIAMOND GRADE VIP CLASS 6 REFLECTIVE SHEETING OR APPROVED EQUAL. ALL NEW TRAFFIC SIGNS, EXCEPT STREETNAME AND SCHOOL SPEED LIMIT SIGNS, SHALL HAVE 3M SERIES 1160 OR APPROVED EQUIVALENT ANTI-GRAFFITI PROTECTIVE OVERLAY FILM; SCHOOL ZONE SIGNS SHALL HAVE 3M SERIES 1150 ANTI-GRAFFITI PROTECTIVE OVERLAY FILM. STREET NAME SIGNS SHALL CONFORM IN THEIR ENTIRETY TO CURRENT CITY STANDARDS. ALL OTHER SIGNS SHALL BE STANDARD SIZE UNLESS OTHERWISE SPECIFIED ON THE PLANS. ALL SIGN POSTS SHALL BE INSTALLED IN ACCORDANCE WITH THE CURRENT CITY STANDARDS.

7. WHEN A PROPOSED STREET LIGHT STANDARD IS LOCATED WITHIN FIVE (5') FEET OF ANY PROPOSED SIGN SHOWN ON THE PLANS TO BE MOUNTED ON A SIGNPOST, THE SIGN SHALL BE MOUNTED ON THE STREET LIGHT STANDARD AND THE SIGNPOST SHALL BE ELIMINATED.

8. ALL PERMANENT TRAFFIC CONTROL DEVICES CALLED FOR HEREON SHALL BE IN PLACE AND IN FINAL POSITION PRIOR TO ALLOWING ANY PUBLIC TRAFFIC ONTO THE PORTIONS OF THE ROAD(S) BEING IMPROVED HERE UNDER, REGARDLESS OF THE STATUS OF COMPLETION OF PAVING OR OTHER OFF-SITE IMPROVEMENTS CALLED FOR BY THESE PLANS.

9. STREET SIGNS AND STOP SIGNS SHALL BE INSTALLED PER CITY STANDARD SPECIFICATIONS FOR PLACEMENT OF STREET NAME SIGNS.

10. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY TRAFFIC CONTROL DEVICES AND FLAGGERS TO INSURE THE SAFETY OF THE PUBLIC IN OR AROUND THE WORK AREA. THE CONTRACTOR SHALL HAVE A CERTIFIED ATSSA TRAFFIC CONTROL TECHNICIAN OR IMSA WORK ZONE SAFETY SPECIALIST SET UP, MAINTAIN AND/OR REMOVE ALL TRAFFIC CONTROL DEVICES IN THE CITY OF LAS VEGAS RIGHT OF WAY.

11. WORK IN PUBLIC STREETS, ONCE BEGUN, SHALL BE EXPEDITED TO COMPLETION SO AS TO PROVIDE MINIMUM INCONVENIENCE TO ADJACENT PROPERTY OWNERS AND TO THE TRAVELING PUBLIC.

12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING CITIZENS AREA TRANSIT (C.A.T.) IF THE CONSTRUCTION INTERRUPTS OR RELOCATES A BUS STOP OR HAS AN ADVERSE EFFECT ON BUS SERVICE ON THAT STREET TO ARRANGE FOR TEMPORARY RELOCATION OF STOP.

13. GUARDS SHALL BE OBTAINED BY CONTACTING THE METROPOLITAN POLICE DEPARTMENT SPECIAL EVENTS UNIT (PHONE # 828-3442) WHO WILL PROVIDE OFFICERS PROPERLY TRAINED IN TRAFFIC CONTROL. FEES FOR THE USE OF THESE OFFICERS SHALL BE SET BY METRO AND WILL BE PAID BY THE CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR ALL ARRANGEMENTS WITH METRO.

14. ANY WORK WITHIN 300' OF A SIGNALIZED INTERSECTION WILL BE NIGHT WORK, UNLESS DIRECTED BY THE CITY OF LAS VEGAS TRAFFIC ENGINEER.

15. THE CONTRACTOR SHALL CONTACT THE TRAFFIC ENGINEERING DIVISION (TRANSPORTATION SECTION) THROUGH THE PROJECT'S OFFSITE INSPECTOR PRIOR TO INITIATING PAVING TO RECEIVE DIRECTION FOR ANY PERMANENT OR TEMPORARY MODIFICATIONS TO THE APPROVED DRAWINGS REGARDING FINAL PAVEMENT TRANSITIONS, MARKINGS AND SIGNING THAT ARE REQUIRED TO MATCH ADJACENT ROADWAY SEGMENTS. THE CONTRACTOR SHALL PROVIDE A DRAWING FOR APPROVAL BY THE TRAFFIC ENGINEERING DIVISION DEPICTING ANY ADJUSTMENTS TO THE FINAL PAVEMENT MARKINGS AND SIGNAGE, WHICH MAY INCLUDE OMITTING, ADDING OR MODIFYING PAVEMENT MARKINGS AND TRAFFIC CONTROL SIGNS SUCH THAT ADEQUATE TRANSITIONS AND LANE TERMINATIONS BETWEEN ADJACENT ROADWAY SEGMENTS ARE CONSTRUCTED.

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

GENERAL NOTES CONT'D

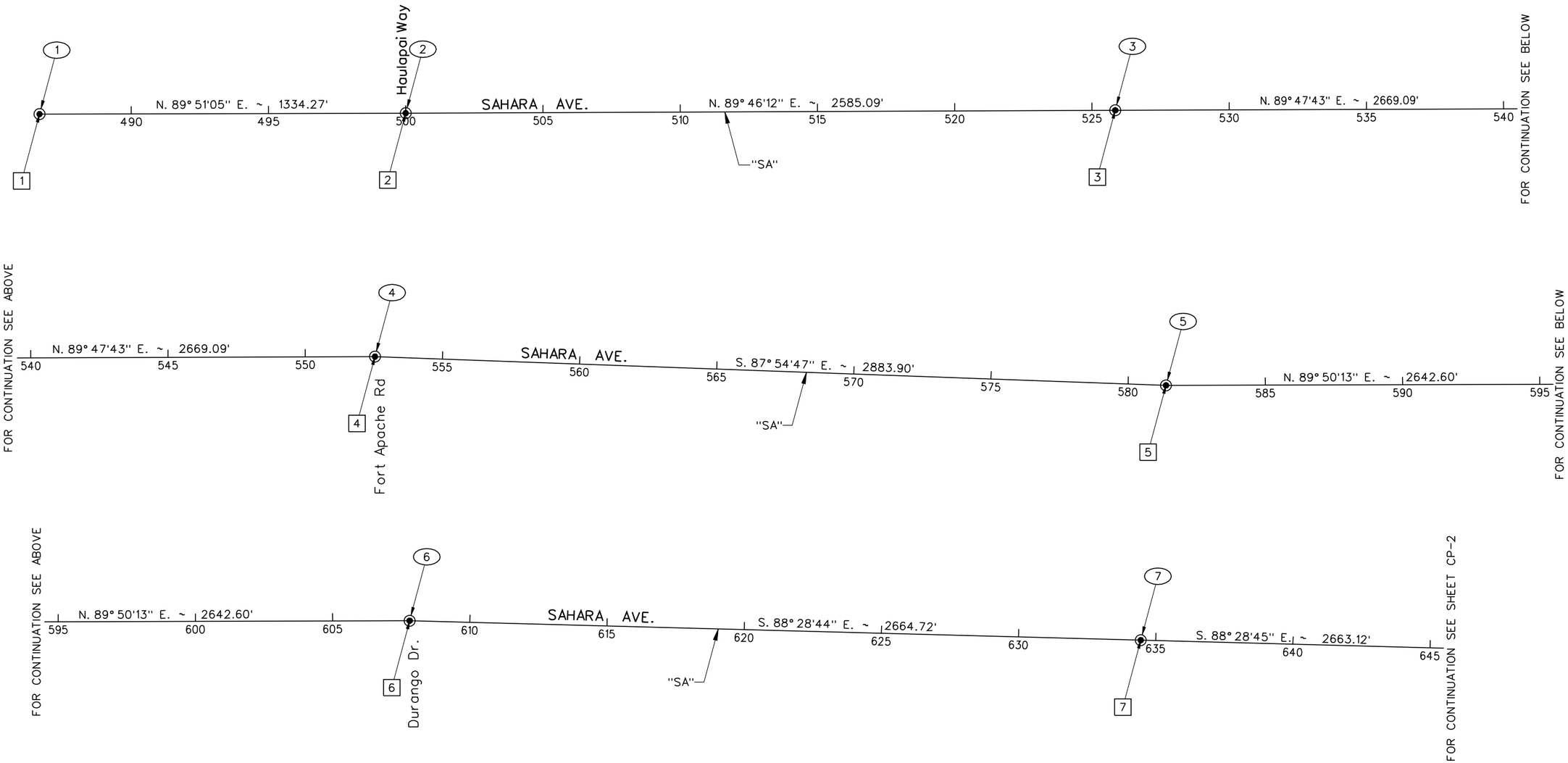
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: SSM
DESIGNED BY: KK CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ : NONE
VERT : NONE
FIELD BOOK : NONE

SHEET No. 3



LEGEND:

- (X) MONUMENTED CONTROL POINT
- [X] CALCULATED CONTROL POINT
- (X) BENCHMARK
- ◉ MONUMENT

BENCHMARK

CLARK COUNTY STATION 2C10 3SWS RIVET AND SQUARE PLATE IN TOP OF CURB, NORTHEAST CORNER OF SAHARA AVENUE AND BUFFALO DRIVE, NEAR THE PC OF SAHARA AVENUE.

ELEVATION = 767.596 METERS OR 2518.35 US SURVEY FEET (NAVD88)

BASIS OF BEARING

NORTH 89° 20'31" WEST, FOR THE SOUTH LINE OF THE SOUTH WEST QUARTER OF SECTION 2, TOWNSHIP 21 SOUTH, RANGE 60 EAST, M.D.M., AS DETERMINED BY THE VEVADA DEPARTMENT OF TRANSPORTATION'S GROUND COOREDINATE SYSTEM.

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S CONTO
Call 811 or 1-800-227-2600

FAST
Call before you UnderGround
1-702-432-5300
FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. IT'S CONTO
CALL BEFORE YOU DO OVERHEAD
1-702-227-2929

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

NOTE:

1. FOR CONTROL POINTS DATA, SEE SHEET CP-5.

200 100 0 200 400
GRAPHIC SCALE

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
CONTROL POINTS

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No:	CB 1083	DRAWN BY:	GFV
DESIGNED BY:	JPL	CHECKED BY:	KK
APPROVED BY	RJP		

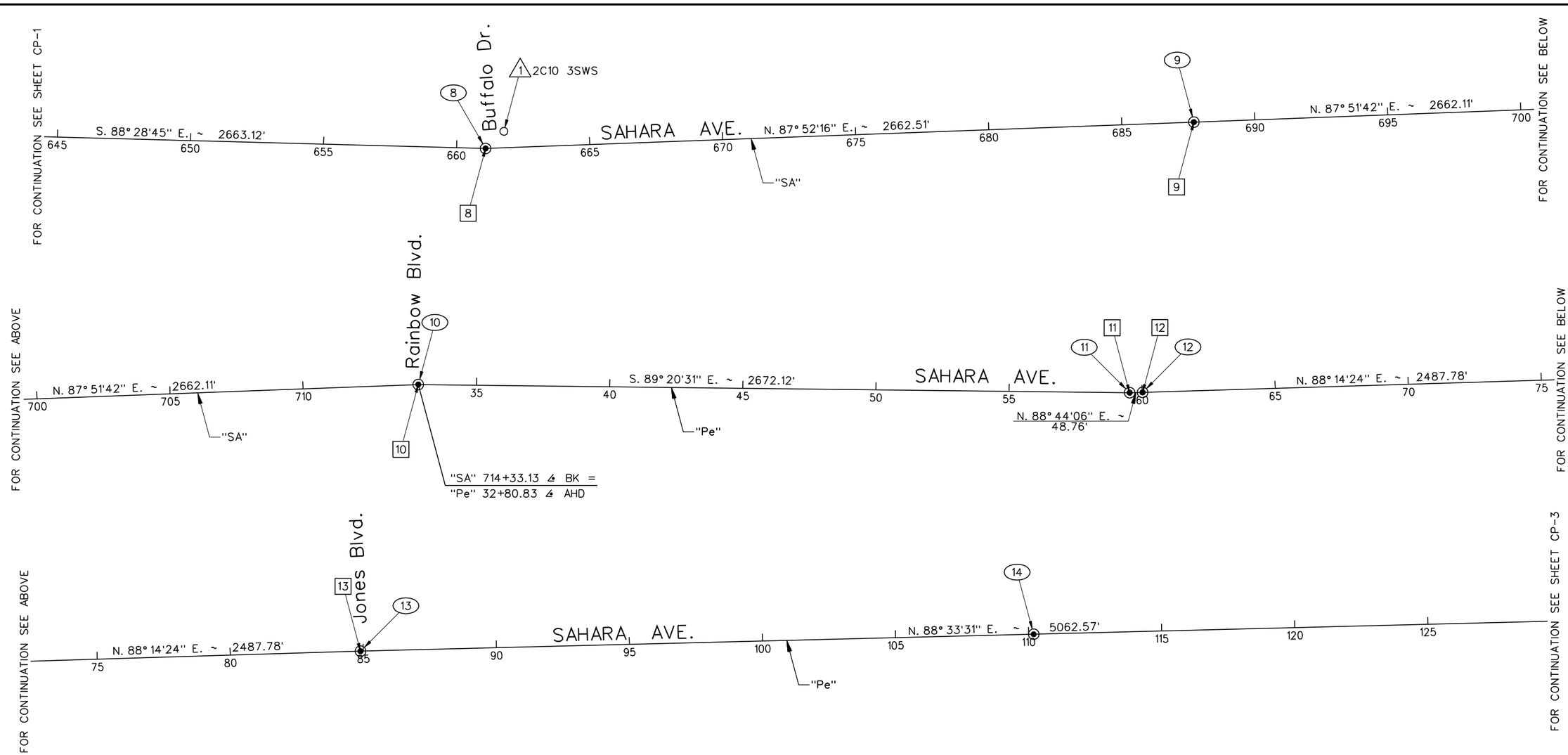
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No.
CP-1
Sheet 4 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012



LEGEND:

- (X) MONUMENTED CONTROL POINT
- [X] CALCULATED CONTROL POINT
- △X BENCHMARK
- ◉ MONUMENT

NOTE:

1. FOR CONTROL POINTS DATA, SEE SHEET CP-5.

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

200 100 0 200 400
GRAPHIC SCALE

Call 811 or 1-800-227-2600

FAST Call before you UnderGround 1-702-432-5300

CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
CONTROL POINTS

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: JPL CHECKED BY: KK
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-8632 • FAX (702) 736-0704

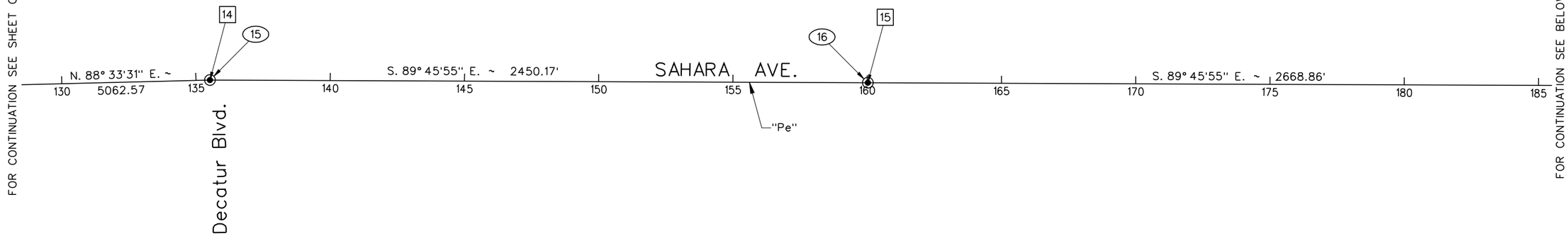
SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK:
NONE

SHEET No.
CP-2
Sheet 5 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

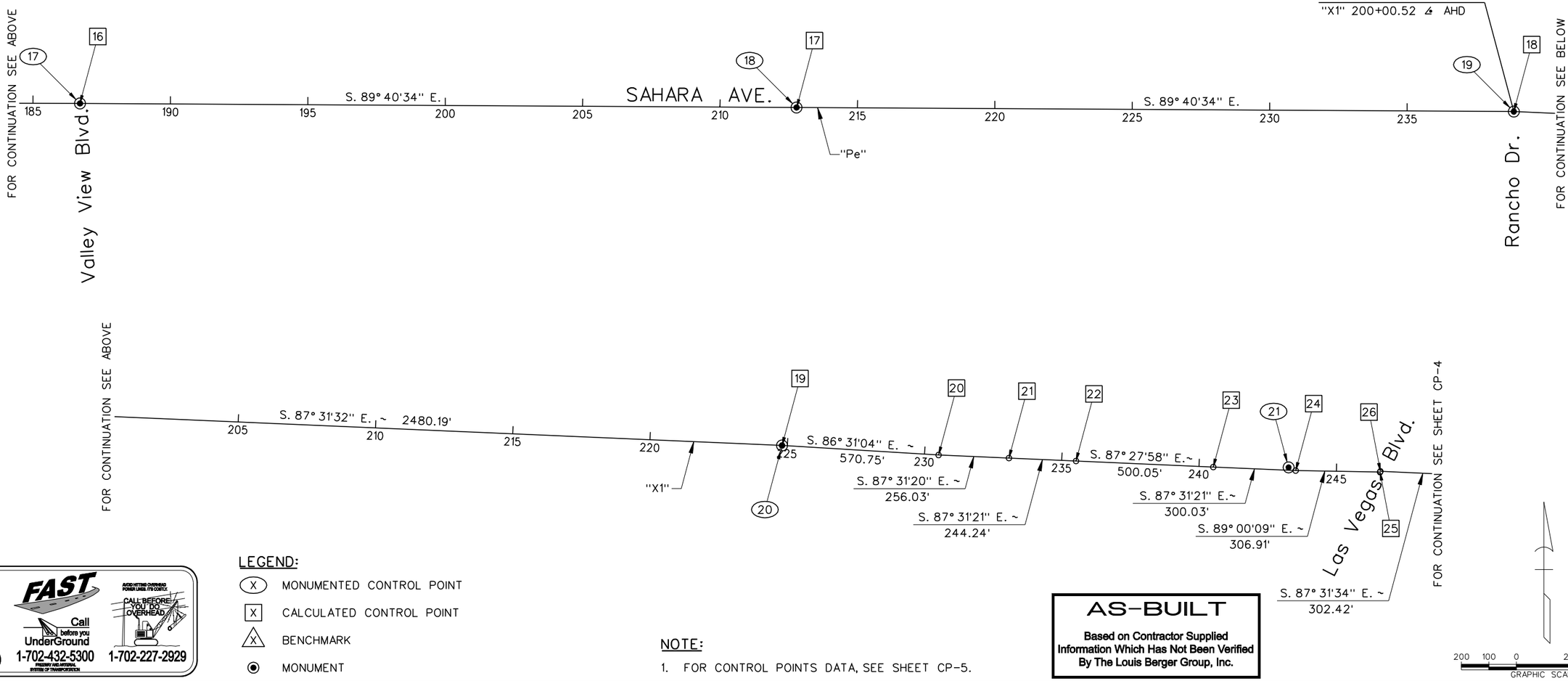
AS - BUILT - 05.31.2012

FOR CONTINUATION SEE SHEET CP-2



FOR CONTINUATION SEE BELOW

FOR CONTINUATION SEE ABOVE



FOR CONTINUATION SEE ABOVE

FOR CONTINUATION SEE SHEET CP-4

LEGEND:

- (X) MONUMENTED CONTROL POINT
- [X] CALCULATED CONTROL POINT
- ⟨X⟩ BENCHMARK
- ◉ MONUMENT

NOTE:

1. FOR CONTROL POINTS DATA, SEE SHEET CP-5.

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

200 100 0 200 400
GRAPHIC SCALE

REV. NO.	DATE	DESCRIPTION	APPROVED
A	5/31/12	AS-BUILT	RJP

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
CONTROL POINTS

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No:	CB 1083	DRAWN BY:	GFV
DESIGNED BY:	KK	CHECKED BY:	JX
APPROVED BY	RJP		

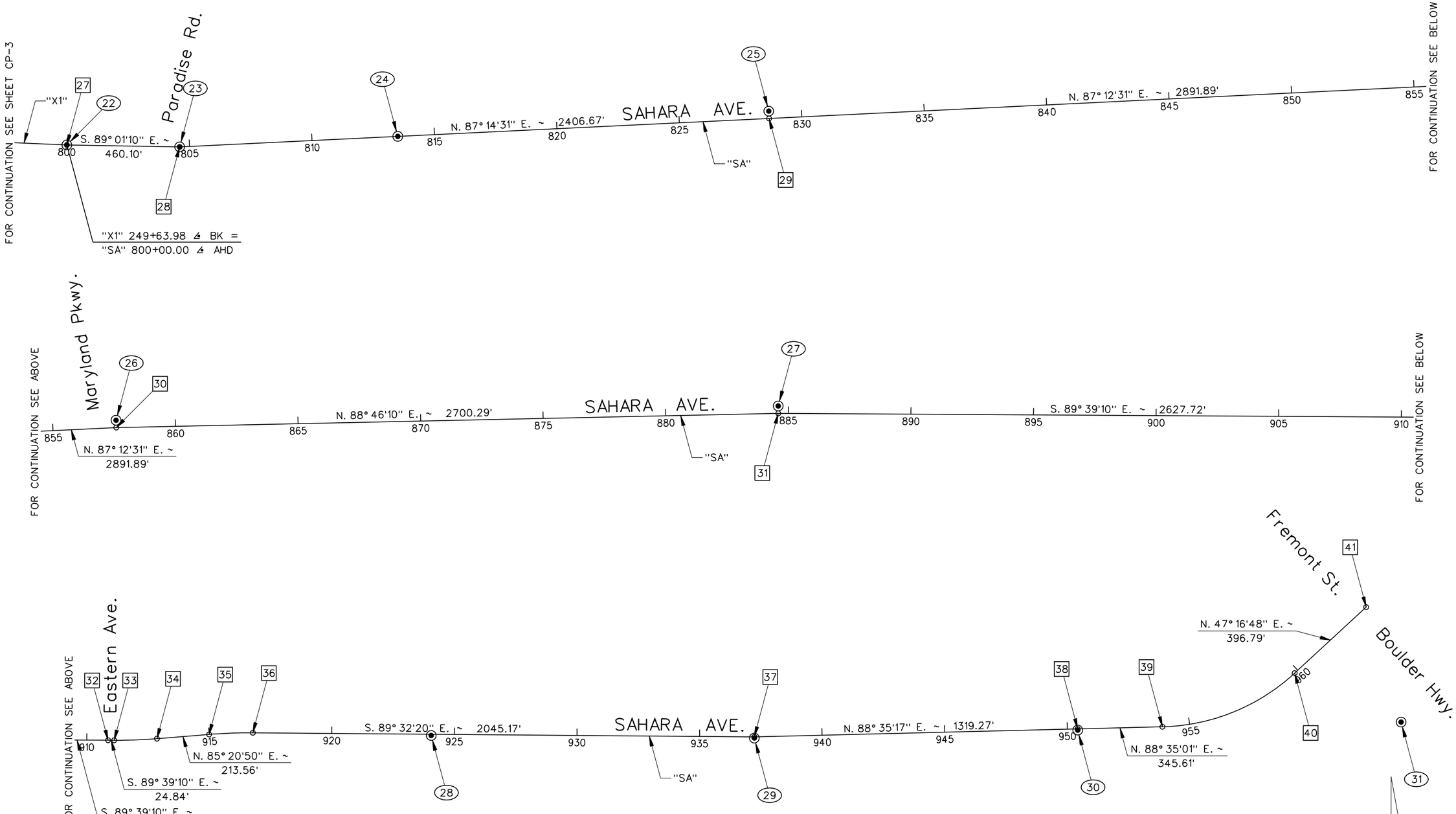
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ : AS SHOWN
VERT : NONE
FIELD BOOK : NONE

SHEET No. CP-3

Sheet 6 of 592

AS - BUILT - 05.31.2012



LEGEND:

- (X) MONUMENTED CONTROL POINT
- [X] CALCULATED CONTROL POINT
- ⟨X⟩ BENCHMARK
- ◉ MONUMENT

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

NOTE:

1. FOR CONTROL POINT DATA, SEE SHEET CP-5.

200 100 0 200 400
GRAPHIC SCALE

REV. NO.	DATE	DESCRIPTION	APPROVED
A	5/31/12	AS-BUILT	RJP

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

CONTROL POINTS

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No:	CB 1083	DRAWN BY:	GFV
DESIGNED BY:	JPL	CHECKED BY:	KK
APPROVED BY	RJP		

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ : AS SHOWN
VERT : NONE
FIELD BOOK : NONE

SHEET No.
CP-4
Sheet 7 of 592

AS - BUILT - 05.31.2012

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

CALCULATED CONTROL POINTS

POINT NUMBER	COORDINATES NORTHING	COORDINATES EASTING	DESCRIPTION
1	26759024.65	734048.97	"SA" 486+65.73 P.O.T.
2	26759028.11	735383.23	"SA" 500+00.00 ∠
3	26759038.49	737968.30	"SA" 525+85.09 ∠
4	26759048.03	740637.38	"SA" 552+54.18 ∠
5	26758943.02	743519.36	"SA" 581+38.07 ∠
6	26758950.54	746161.94	"SA" 607+80.67 ∠
7	26758879.80	748825.72	"SA" 634+45.39 ∠
8	26758809.12	751487.90	"SA" 661+08.50 ∠
9	26758908.02	754148.58	"SA" 687+71.02 ∠
10	26759007.35	756808.83	"SA" 714+33.13 ∠ BK = "Pe" 32+80.83 ∠ AHD
11	26758976.66	759480.77	"Pe" 59+52.95 ∠
12	26758977.74	759529.52	"Pe" 60+01.71 ∠
13	26759054.15	762016.13	"Pe" 84+89.49 ∠
14	26759181.49	767077.09	"Pe" 135+52.06 ∠
15	26759171.45	769527.24	"Pe" 160+02.23 ∠
16	26759160.52	772196.08	"Pe" 186+71.09 ∠
17	26759145.78	774803.76	"Pe" 212+78.81 ∠
18	26759131.03	777412.88	"Pe" 238+87.97 ∠ BK = "X1" 200+00.52 ∠ AHD
19	26759023.95	779890.75	"X1" 224+80.71 ∠
20	26758989.28	780460.44	"X1" 230+51.45 ∠
21	26758978.22	780716.23	"X1" 233+07.48 ∠
22	26758967.66	780960.24	"X1" 235+51.71 ∠
23	26758945.55	781459.80	"X1" 240+51.76 ∠
24	26758932.58	781759.55	"X1" 243+51.79 ∠
25	2675892724	782066.42	"X1" 246+58.71 POT
26	26758929.89	782067.81	"X1" 246+61.56 POT
27	26758916.84	782369.95	"X1" 249+63.98 ∠ BK = "SA" 800+00.00 ∠ AHD
28	26758908.96	782829.98	"SA" 804+60.10 ∠
29	26759024.77	785233.86	"SA" 828+66.77 ∠
30	26759165.60	788122.31	"SA" 857+58.65 ∠
31	26759223.58	790821.98	"SA" 884+58.94 ∠
32	26759207.66	7934449.66	"SA" 910+86.67 ∠
33	26759207.51	793474.50	"SA" 911+11.51 P.C.
34	26759214.06	793648.85	"SA" 912+86.04 P.T.
35	26759231.39	793861.71	"SA" 914+99.60 P.C.
36	26759237.91	794040.04	"SA" 916+78.11 P.T.
37	26759221.45	796085.14	"SA" 937+23.28 ∠
38	26759253.96	797404.01	"SA" 950+42.55 ∠
39	26759262.50	797749.52	"SA" 953+88.16 P.C.
40	26759481.14	798288.82	"SA" 959+82.89 P.T.
41	26759750.33	798580.33	"SA" 963+79.68 ∠

MONUMENTED CONTROL POINTS

POINT NUMBER	COORDINATES NORTHING	COORDINATES EASTING	DESCRIPTION
(1)	26759024.65	734048.97	BRASS CAP IN WELL PLS 13174
(2)	26759028.11	735383.23	BRASS CAP IN WELL PLS 6201
(3)	26759038.49	737968.30	BRASS CAP IN WELL PLS 6201
(4)	26759048.03	740637.38	BRASS CAP IN WELL PLS 6201
(5)	26758943.02	743519.36	BRASS CAP IN WELL
(6)	26758950.54	746161.94	BRASS CAP IN WELL
(7)	26758879.80	748825.72	BRASS CAP IN WELL
(8)	26758809.12	751487.90	BRASS CAP IN WELL
(9)	26758908.02	754148.58	BRASS CAP IN WELL PLS 7653
(10)	26759007.33	756808.85	BRASS CAP IN WELL PLS 6201
(11)	26758976.65	759480.77	BRASS CAP IN WELL PLS 7008
(12)	26758977.73	759529.52	BRASS CAP IN WELL PLS 7008
(13)	26759054.17	762016.10	BRASS CAP IN WELL PLS 7008
(14)	26759117.81	764544.93	BRASS CAP IN WELL PLS 62.61
(15)	26759181.45	767077.09	BRASS CAP IN WELL "RW HARDY"
(16)	26759171.45	769527.35	BRASS CAP IN WELL PLS 7008
(17)	26759160.60	772196.29	BRASS CAP IN WELL PLS 7008
(18)	26759145.83	774803.12	MAG NAIL AT RECORD LOCATION
(19)	26759131.07	777413.09	BRASS CAP IN WELL PLS 8866 "ALBERS"
(20)	26759023.95	779890.75	NDOT BRASS CAP RW 265-052
(21)	26758944.33	781733.85	ALUMINUM CAP PLS 9108
(22)	26758916.84	782369.95	BRASS CAP IN WELL PLS 5094
(23)	26758909.05	782829.97	REBAR STUB & TIES AT RECORD LOCATION
(24)	26758951.85	783719.57	NAIL & TAG AT RECORD LOCATION PLS 6025
(25)	26759054.73	785232.41	BRASS CAP IN WELL PLS 12203
(26)	26759195.58	788121.26	BRASS CAP IN WELL PLS 12203
(27)	26759253.58	790821.75	BRASS CAP IN WELL PLS 12203
(28)	26759227.06	794767.44	BRASS CAP IN WELL PLS 12203
(29)	26759216.45	796085.23	BRASS CAP IN WELL PLS 12203
(30)	26759248.96	797404.14	ALUMINUM CAP IN WELL PLS 4421
(31)	26759281.57	798722.89	NDOT BRASS CAP IN SIDEWALK
(32)	26759720.01	798547.49	NAIL AND TAG PLS 9389

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
A	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
CONTROL POINTS DATA

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: JPL CHECKED BY: KK
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ : NONE
VERT : NONE
FIELD BOOK : NONE

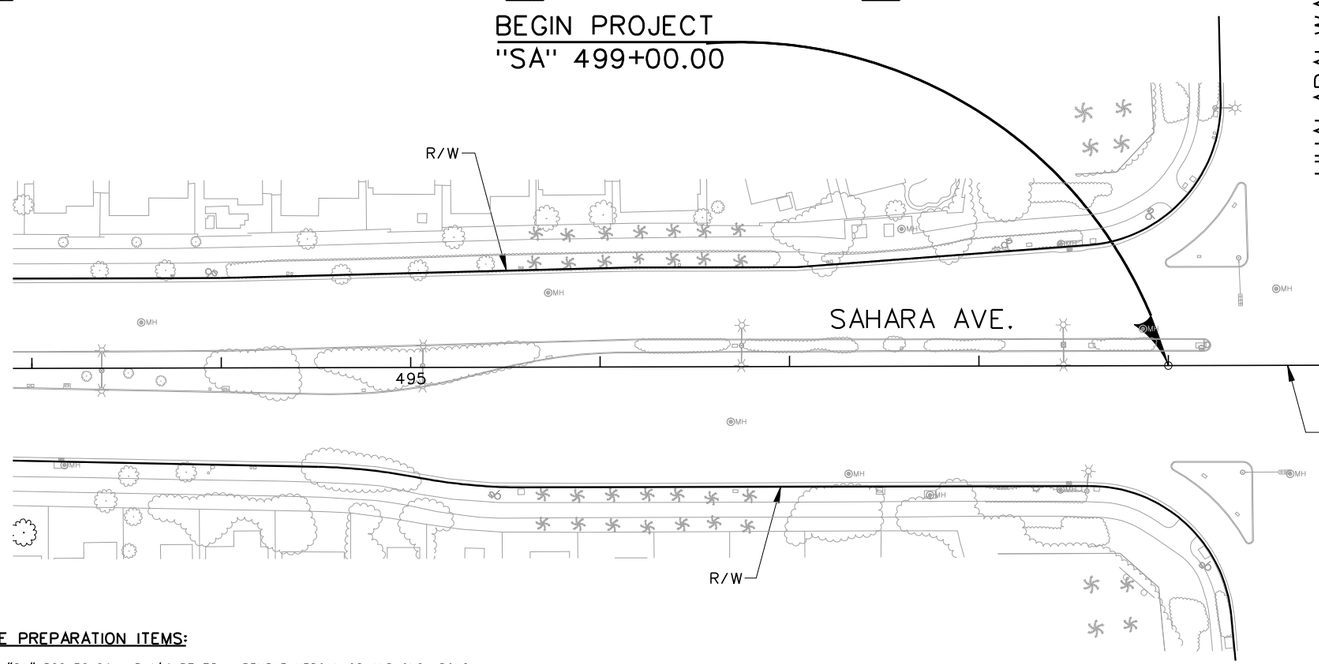
SHEET No. CP-5

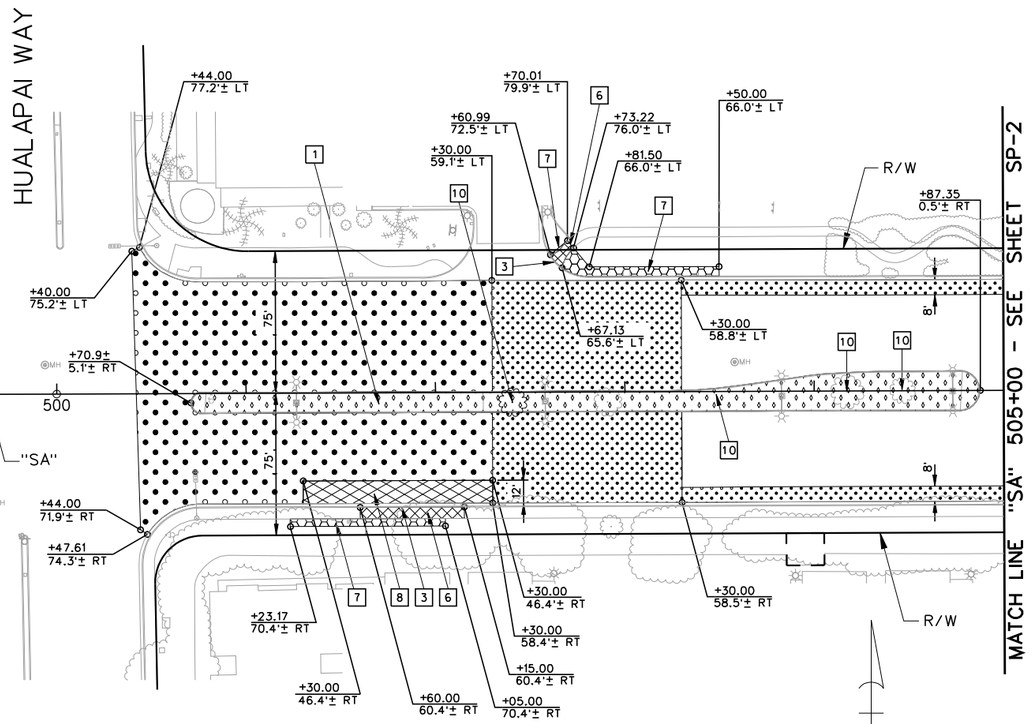
SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

- LEGEND -

- LIMITS OF REMOVAL (COLD MILLING) (1")
- LIMITS OF REMOVAL (COLD MILLING) (VARYING DEPTH)
- LIMITS OF ROADWAY EXCAVATION
- LIMITS OF SIDEWALK REMOVAL
- LIMITS OF MEDIAN REMOVAL
- LIMITS OF LANDSCAPE REMOVAL





40 20 0 40 80
GRAPHIC SCALE

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

SITE PREPARATION ITEMS:

1	"SA" 500+70.9±, 5.1'± RT TO "SA" 504+87.35, 0.5'± RT	REMOVE MEDIAN ISLAND INCLUDING CURB AND LANDSCAPE.
3	"SA" 502+60.99, 72.5'± LT TO "SA" 502+67.13, 65.6'± LT	REMOVE CURB AND GUTTER.
	"SA" 501+60.00, 60.4'± RT TO "SA" 502+15.00, 60.4'± RT	
6	"SA" 502+60.99, 72.5'± LT TO "SA" 502+67.13, 65.6'± LT	REMOVE SIDEWALK.
	"SA" 501+60.00, 60.4'± RT TO "SA" 502+15.00, 60.4'± RT	
7	"SA" 502+60.99, 72.5'± LT TO "SA" 502+70.01, 79.9'± LT	REMOVE LANDSCAPE AND RESTORE IRRIGATION.
	"SA" 502+73.32, 76.0'± LT TO "SA" 503+50.00, 66.0'± LT	
	"SA" 501+23.17, 70.4'± RT TO "SA" 502+05.00, 70.4'± RT	
8	"SA" 501+30.00, 46.4'± RT TO "SA" 502+30.00, 46.4'± RT	ROADWAY EXCAVATION.
10	"SA" 502+40.61, 5.3'± RT	REMOVE TREE.
	"SA" 502+90.86, 5.3'± RT	
	"SA" 504+17.24, 0.6'± RT	
	"SA" 504+46.48, 0.1'± LT	

Call 811 OR 1-800-227-2600

FAST Call before you UnderGround 1-702-432-5300

CALL BEFORE YOU DIG OVERHEAD 1-702-227-2929

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

SITE PREPARATION PLAN

"SA" 493+00 to "SA" 505+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: JPS
DESIGNED BY: JSD CHECKED BY: KK
APPROVED BY RJP

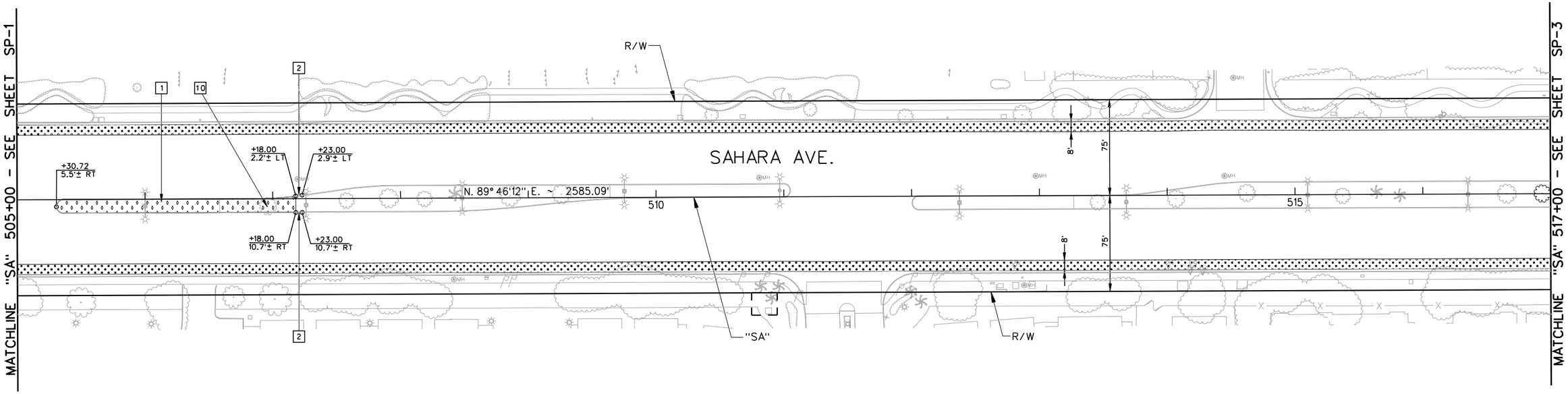
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ : AS SHOWN
VERT : NONE
FIELD BOOK : NONE

SHEET No. SP-1

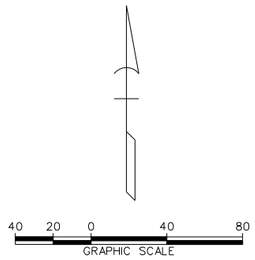
- LEGEND -

- LIMITS OF REMOVAL (COLD MILLING) (1")
- LIMITS OF REMOVAL (COLD MILLING) (VARYING DEPTH)
- LIMITS OF ROADWAY EXCAVATION
- LIMITS OF SIDEWALK REMOVAL
- LIMITS OF MEDIAN REMOVAL
- LIMITS OF LANDSCAPE REMOVAL



SITE PREPARATION ITEMS:

1	"SA" 505+30.72, 5.5'± RT TO "SA" 507+18.00, 10.7'± RT	REMOVE MEDIAN ISLAND INCLUDING CURB AND LANDSCAPE.
2	"SA" 507+18.00, 2.2'± LT TO "SA" 507+23.00, 2.9'± LT	REMOVE ISLAND CURB.
	"SA" 507+18.00, 10.7'± RT TO "SA" 507+23.00, 10.7'± RT	
10	"SA" 506+96.10, 5.7'± RT	REMOVE TREE.



AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY.
Call 811 or 1-800-227-2600
FAST
Call before you UnderGround 1-702-432-5300
FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION
AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY.
CALL BEFORE YOU DO OVERHEAD
1-702-227-2929

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

SITE PREPARATION PLAN

"SA" 505+00 to "SA" 517+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No:	CB 1083	DRAWN BY:	JPS
DESIGNED BY:	JSD	CHECKED BY:	KK
APPROVED BY	RJP		

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ : AS SHOWN
VERT : NONE
FIELD BOOK : NONE

SHEET No. SP-2

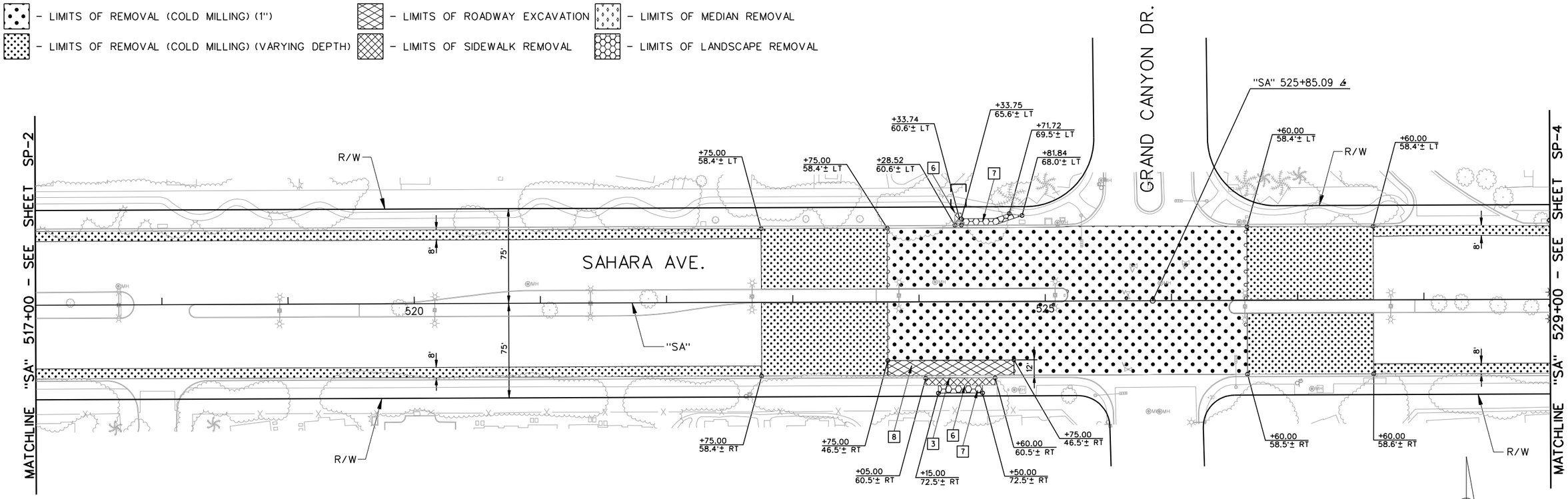
Sheet 10 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

- LEGEND -

- LIMITS OF REMOVAL (COLD MILLING) (1")
- LIMITS OF REMOVAL (COLD MILLING) (VARYING DEPTH)
- LIMITS OF ROADWAY EXCAVATION
- LIMITS OF SIDEWALK REMOVAL
- LIMITS OF MEDIAN REMOVAL
- LIMITS OF LANDSCAPE REMOVAL



SITE PREPARATION ITEMS:

[3] "SA" 524+05.00, 60.5'± RT TO "SA" 524+60.00, 60.5'± RT — REMOVE CURB AND GUTTER.

[6] "SA" 524+28.52, 60.6'± LT TO "SA" 524+33.74, 60.6'± LT — REMOVE SIDEWALK.
"SA" 524+05.00, 60.5'± RT TO "SA" 524+60.00, 60.5'± RT

[7] "SA" 524+33.75, 65.6'± LT TO "SA" 524+81.84, 68.0'± LT — REMOVE LANDSCAPE AND RESTORE IRRIGATION.
"SA" 524+15.00, 72.5'± RT TO "SA" 524+50.00, 72.5'± RT

[8] "SA" 523+75.00, 46.5'± RT TO "SA" 524+75.00, 46.5'± RT — ROADWAY EXCAVATION.

Call 811 or 1-800-227-2600 — AVOID CUTTING UNDERGROUND UTILITY LINES, IT'S COSTLY

FAST — Call before you UnderGround 1-702-432-5300 — FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES, IT'S COSTLY — CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

SITE PREPERATION PLAN

"SA" 517+00 to "SA" 529+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: JPS
DESIGNED BY: JSD CHECKED BY: KK
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ : AS SHOWN
VERT : NONE
FIELD BOOK : NONE

SHEET No. SP-3

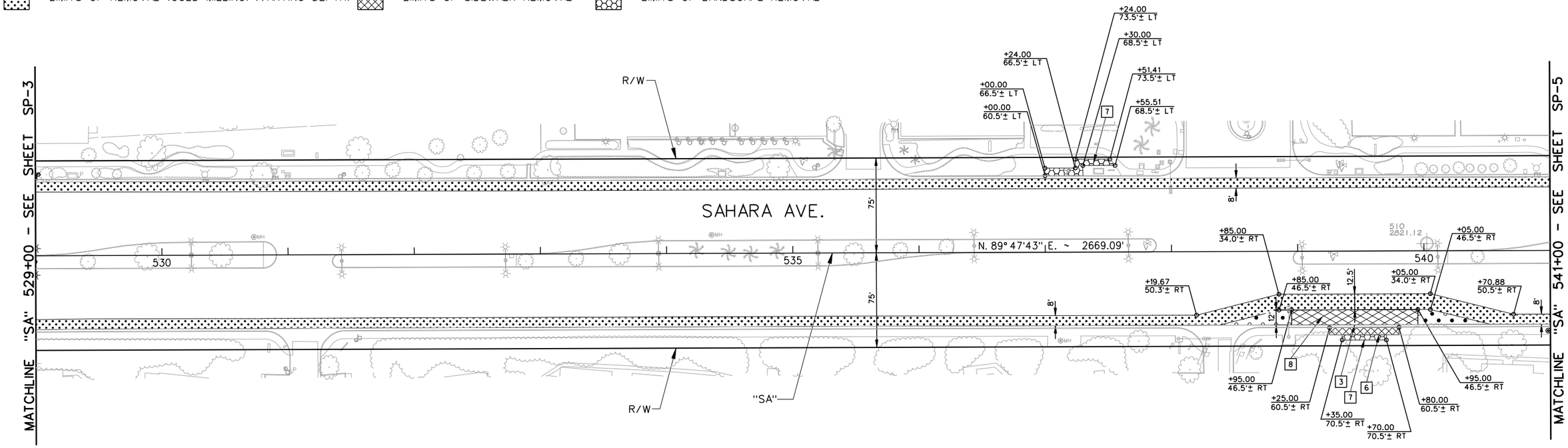
Sheet 11 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

- LEGEND -

- LIMITS OF REMOVAL (COLD MILLING) (1")
- LIMITS OF REMOVAL (COLD MILLING) (VARYING DEPTH)
- LIMITS OF ROADWAY EXCAVATION
- LIMITS OF SIDEWALK REMOVAL
- LIMITS OF MEDIAN REMOVAL
- LIMITS OF LANDSCAPE REMOVAL



SITE PREPARATION ITEMS:

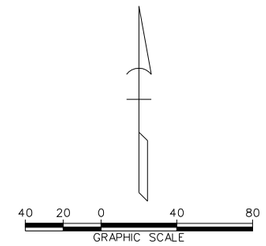
3 "SA" 539+25.00. 60.5'± RT TO "SA" 539+80.00. 60.5'± RT — REMOVE CURB AND GUTTER.

6 "SA" 539+25.00. 60.5'± RT TO "SA" 539+80.00. 60.5'± RT — REMOVE SIDEWALK.

7 "SA" 537+00.00. 66.5'± LT TO "SA" 537+55.51. 68.5'± LT — REMOVE LANDSCAPE AND RESTORE IRRIGATION.

"SA" 539+35.00. 70.5'± RT TO "SA" 539+70.00. 70.5'± RT

8 "SA" 539+95.00. 46.5'± RT TO "SA" 539+95.00. 46.5'± RT — ROADWAY EXCAVATION.



Call 811 before you dig 1-800-227-2600

FAST Call before you UnderGround 1-702-432-5300 FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

SITE PREPERATION PLAN

"SA" 529 + 00 to "SA" 541+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: JPS
DESIGNED BY: JSD CHECKED BY: KK
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

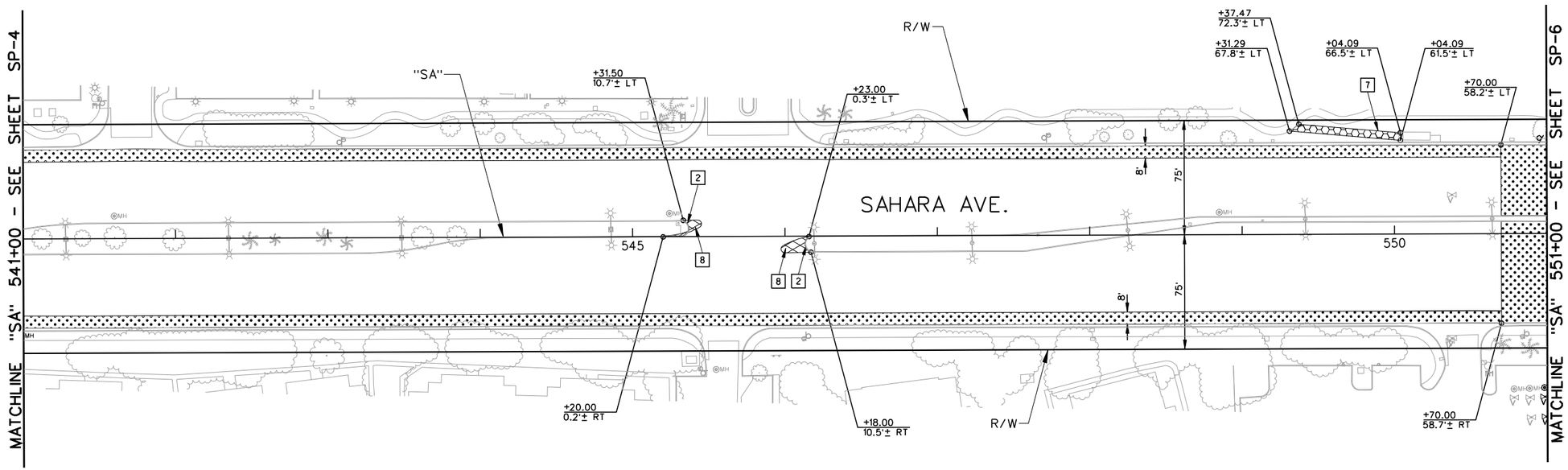
SHEET No. SP-4

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

- LEGEND -

- LIMITS OF REMOVAL (COLD MILLING) (1")
- LIMITS OF REMOVAL (COLD MILLING) (VARYING DEPTH)
- LIMITS OF ROADWAY EXCAVATION
- LIMITS OF SIDEWALK REMOVAL
- LIMITS OF MEDIAN REMOVAL
- LIMITS OF LANDSCAPE REMOVAL



SITE PREPARATION ITEMS:

[2] "SA" 545+20.00, 0.2'± RT TO "SA" 545+31.50, 10.7'± LT — REMOVE ISLAND CURB.

"SA" 546+18.00, 10.5'± RT TO "SA" 546+23.00, 0.3'± LT

[7] "SA" 549+31.29, 67.8'± LT TO "SA" 550+04.09, 66.5'± LT — REMOVE LANDSCAPE AND RESTORE IRRIGATION.

[8] "SA" 545+20.00, 0.2'± RT TO "SA" 545+31.50, 10.7'± LT — ROADWAY EXCAVATION.

"SA" 546+18.00, 10.5'± RT TO "SA" 546+23.00, 0.3'± LT

40 20 0 40 80
GRAPHIC SCALE

Call 811 or 1-800-227-2600

FAST Call before you UnderGround 1-702-432-5300

CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

SITE PREPARATION PLAN

"SA" 541+00 to "SA" 551+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: JPS
DESIGNED BY: JSD CHECKED BY: KK
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

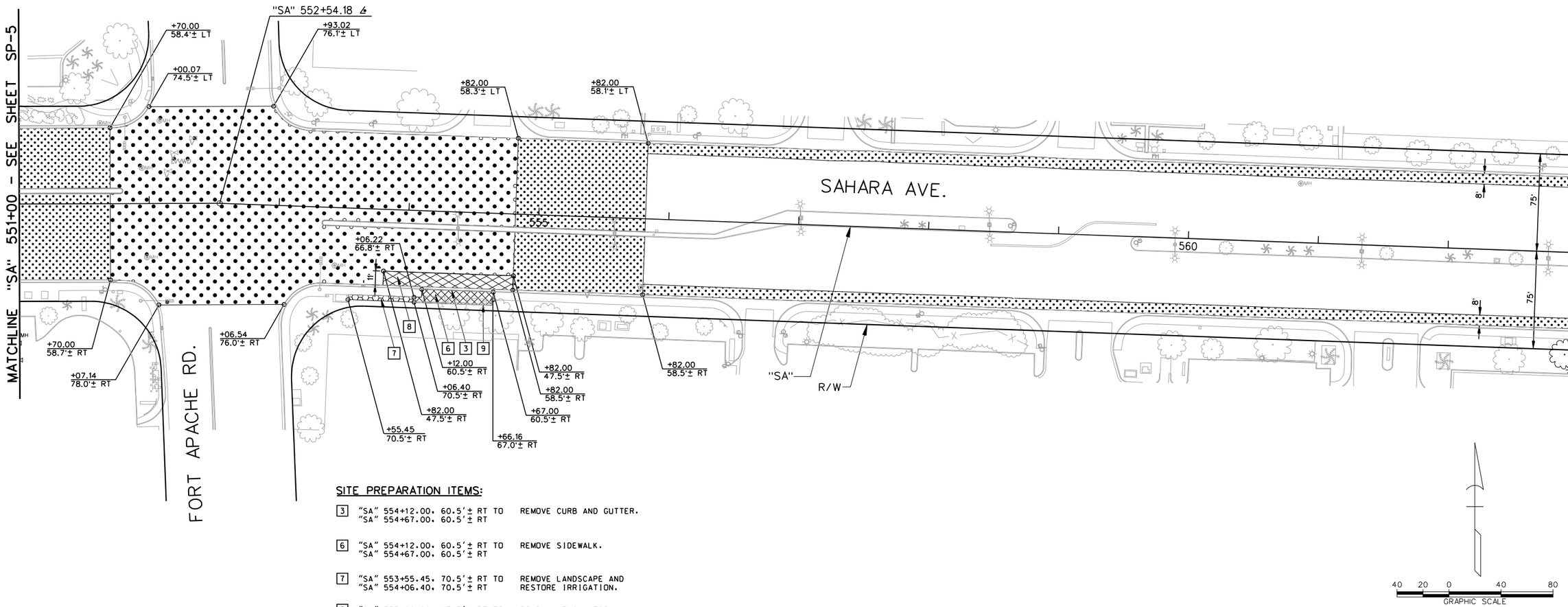
SHEET No. SP-5

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

- LEGEND -

- LIMITS OF REMOVAL (COLD MILLING) (1")
- LIMITS OF REMOVAL (COLD MILLING) (VARYING DEPTH)
- LIMITS OF ROADWAY EXCAVATION
- LIMITS OF SIDEWALK REMOVAL
- LIMITS OF MEDIAN REMOVAL
- LIMITS OF LANDSCAPE REMOVAL



SITE PREPARATION ITEMS:

[3] "SA" 554+12.00. 60.5'± RT TO "SA" 554+67.00. 60.5'± RT — REMOVE CURB AND GUTTER.

[6] "SA" 554+12.00. 60.5'± RT TO "SA" 554+67.00. 60.5'± RT — REMOVE SIDEWALK.

[7] "SA" 553+55.45. 70.5'± RT TO "SA" 554+06.40. 70.5'± RT — REMOVE LANDSCAPE AND RESTORE IRRIGATION.

[8] "SA" 553+82.00. 47.5'± RT TO "SA" 554+82.00. 47.5'± RT — ROADWAY EXCAVATION.

[9] "SA" 554+06.22. 66.8'± RT TO "SA" 554+66.16. 67.0'± RT — REMOVE BLOCKWALL.

Call 811 OR 1-800-227-2600

FAST Call before you UnderGround 1-702-432-5300

CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

REV. NO.	DATE	DESCRIPTION	APPROVED
A	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

SITE PREPARATION PLAN

"SA" 551+00 to "SA" 563+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: JPS
DESIGNED BY: JSD CHECKED BY: KK
APPROVED BY RJP

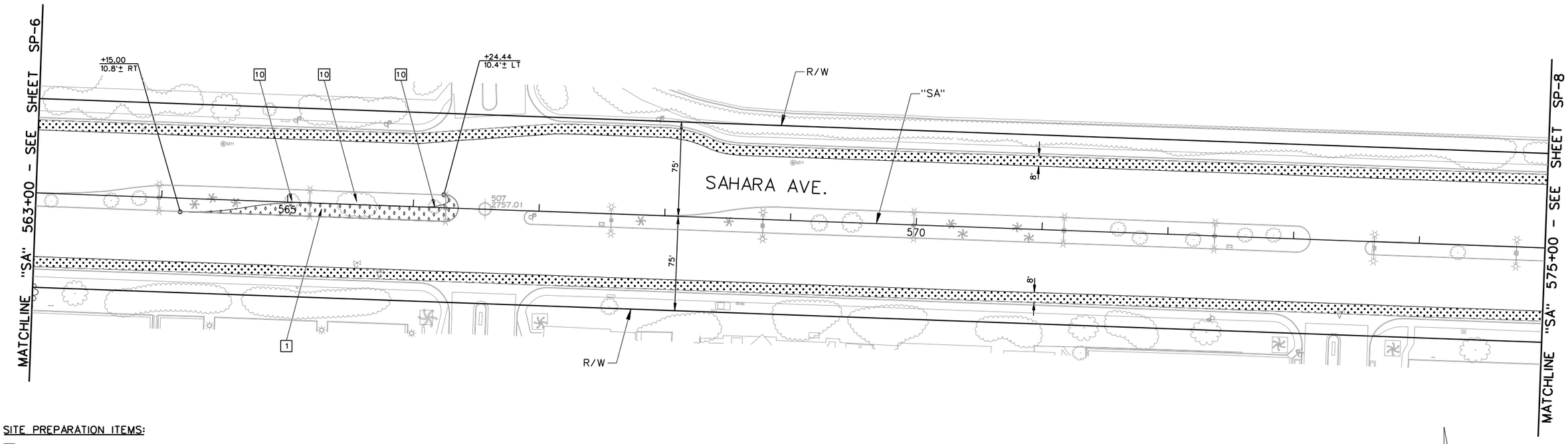
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

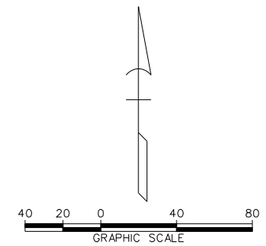
SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. SP-6

- LEGEND -

- LIMITS OF REMOVAL (COLD MILLING) (1")
- LIMITS OF REMOVAL (COLD MILLING) (VARYING DEPTH)
- LIMITS OF ROADWAY EXCAVATION
- LIMITS OF SIDEWALK REMOVAL
- LIMITS OF MEDIAN REMOVAL
- LIMITS OF LANDSCAPE REMOVAL





SITE PREPARATION ITEMS:

1	"SA" 564+15.00, 10.8'± RT TO "SA" 566+24.44, 10.4'± LT	REMOVE MEDIAN ISLAND INCLUDING CURB AND LANDSCAPE.
10	"SA" 565+03.47, 0.7'± LT "SA" 565+55.04, 1.5'± LT "SA" 566+17.21, 0.3'± LT	REMOVE TREE.

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY.
Call 811 or 1-800-227-2600

FAST
Call before you UnderGround
1-702-432-5300
PRIMARY AND ARTERIAL SYSTEM OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY.
CALL BEFORE YOU DO OVERHEAD
1-702-227-2929

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
A	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

SITE PREPARATION PLAN

"SA" 563+00 to "SA" 575+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: JPS
DESIGNED BY: JSD CHECKED BY: KK
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. SP-7

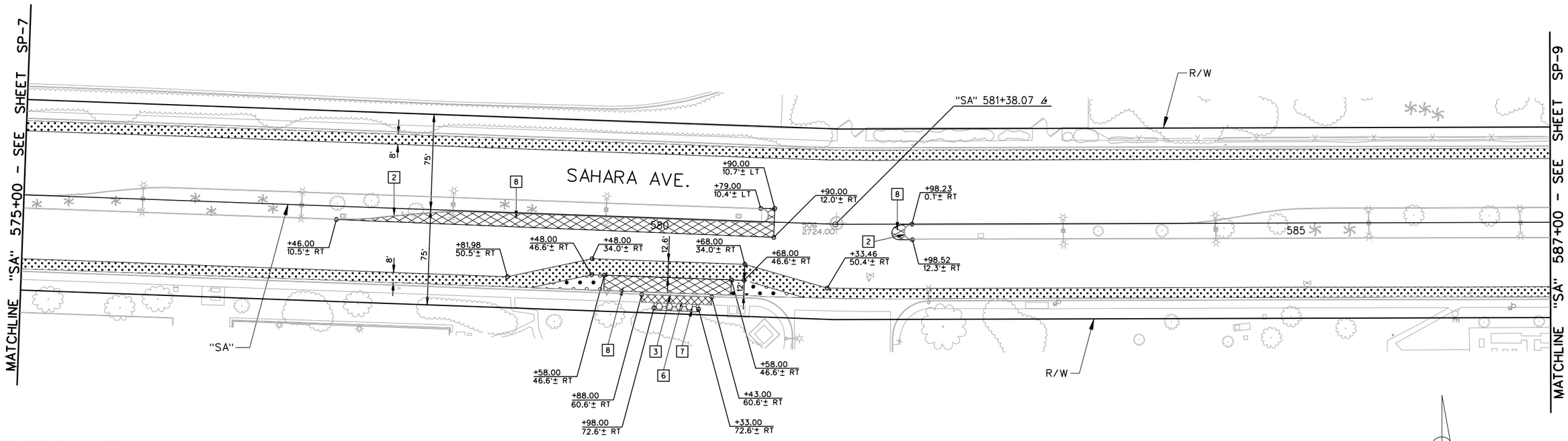
Sheet 15 of 592

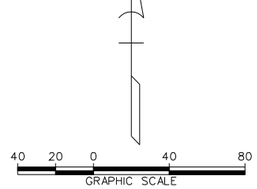
SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

- LEGEND -

- LIMITS OF REMOVAL (COLD MILLING) (1")
- LIMITS OF REMOVAL (COLD MILLING) (VARYING DEPTH)
- LIMITS OF ROADWAY EXCAVATION
- LIMITS OF SIDEWALK REMOVAL
- LIMITS OF MEDIAN REMOVAL
- LIMITS OF LANDSCAPE REMOVAL





SITE PREPARATION ITEMS:

[2] "SA" 577+46.00. 10.5'± RT TO "SA" 580+79.00. 10.4'± RT — REMOVE ISLAND CURB.
"SA" 581+98.23. 0.1'± RT TO "SA' 581+98.52. 12.3'± RT

[3] "SA" 579+88.00. 60.6'± RT TO "SA" 580+43.00. 60.6'± RT — REMOVE CURB AND GUTTER.

[6] "SA" 579+88.00. 60.6'± RT TO "SA" 580+43.00. 60.6'± RT — REMOVE SIDEWALK.

[7] "SA" 579+98.00. 72.6'± RT TO "SA" 580+33.00. 72.6'± RT — REMOVE LANDSCAPE AND RESTORE IRRIGATION.

[8] "SA" 577+46.00. 10.5'± RT TO "SA" 580+79.00. 10.4'± RT — ROADWAY EXCAVATION.
"SA" 579+58.00. 46.6'± RT TO "SA" 580+58.00. 46.6'± RT
"SA" 581+98.23. 0.1'± RT TO "SA' 581+98.52. 12.3'± RT

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call 811 OR 1-800-227-2600

FAST Call before you UnderGround 1-702-432-5300 FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DIG OVERHEAD 1-702-227-2929

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
A	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

SITE PREPARATION PLAN

"SA" 575+00 to "SA" 587+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: JPS
DESIGNED BY: JSD CHECKED BY: KK
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ : AS SHOWN
VERT : NONE
FIELD BOOK : NONE

SHEET No. SP-8

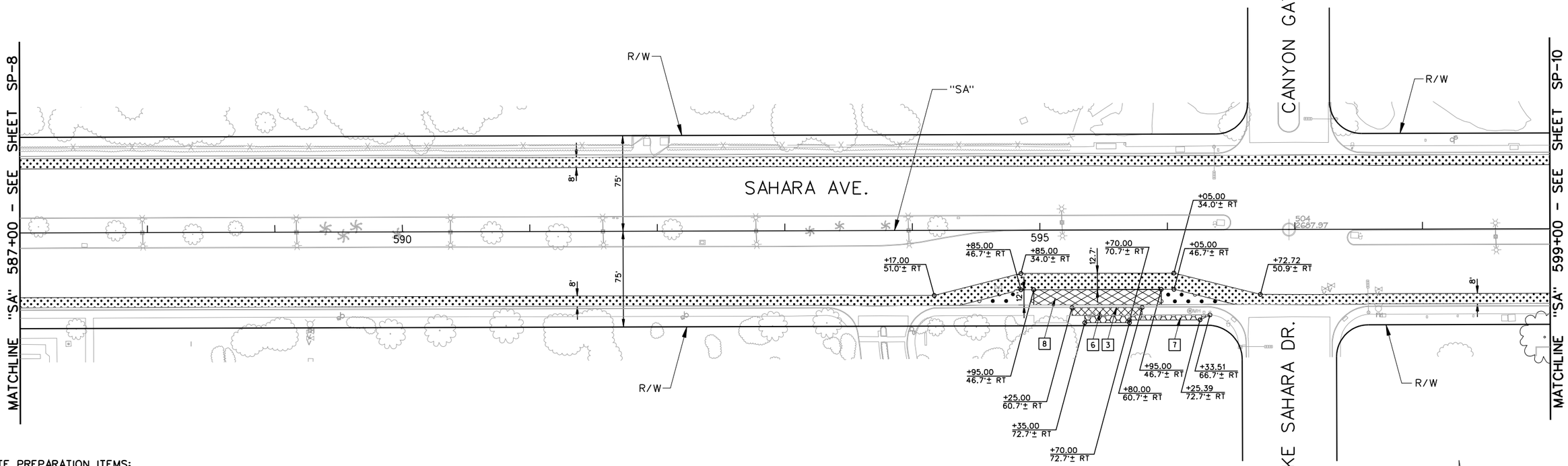
Sheet 16 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

- LEGEND -

- LIMITS OF REMOVAL (COLD MILLING) (1")
- LIMITS OF REMOVAL (COLD MILLING) (VARYING DEPTH)
- LIMITS OF ROADWAY EXCAVATION
- LIMITS OF SIDEWALK REMOVAL
- LIMITS OF MEDIAN REMOVAL
- LIMITS OF LANDSCAPE REMOVAL



SITE PREPARATION ITEMS:

[3] "SA" 595+25.00. 60.7'± RT TO "SA" 595+80.00. 60.7'± RT — REMOVE CURB AND GUTTER.

[6] "SA" 595+25.00. 60.7'± RT TO "SA" 595+80.00. 60.7'± RT — REMOVE SIDEWALK.

[7] "SA" 595+35.00. 72.7'± RT TO "SA" 596+33.51. 66.7'± RT — REMOVE LANDSCAPE AND RESTORE IRRIGATION.

[8] "SA" 594+95.00. 46.7'± RT TO "SA" 595+95.00. 46.7'± RT — ROADWAY EXCAVATION.

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call 811 or 1-800-227-2600

FAST Call before you UnderGround 1-702-432-5300 FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
A	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

SITE PREPARATION PLAN

"SA" 587+00 to "SA" 599+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: JPS
DESIGNED BY: JSD CHECKED BY: KK
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ : AS SHOWN
VERT : NONE
FIELD BOOK : NONE

SHEET No. SP-9

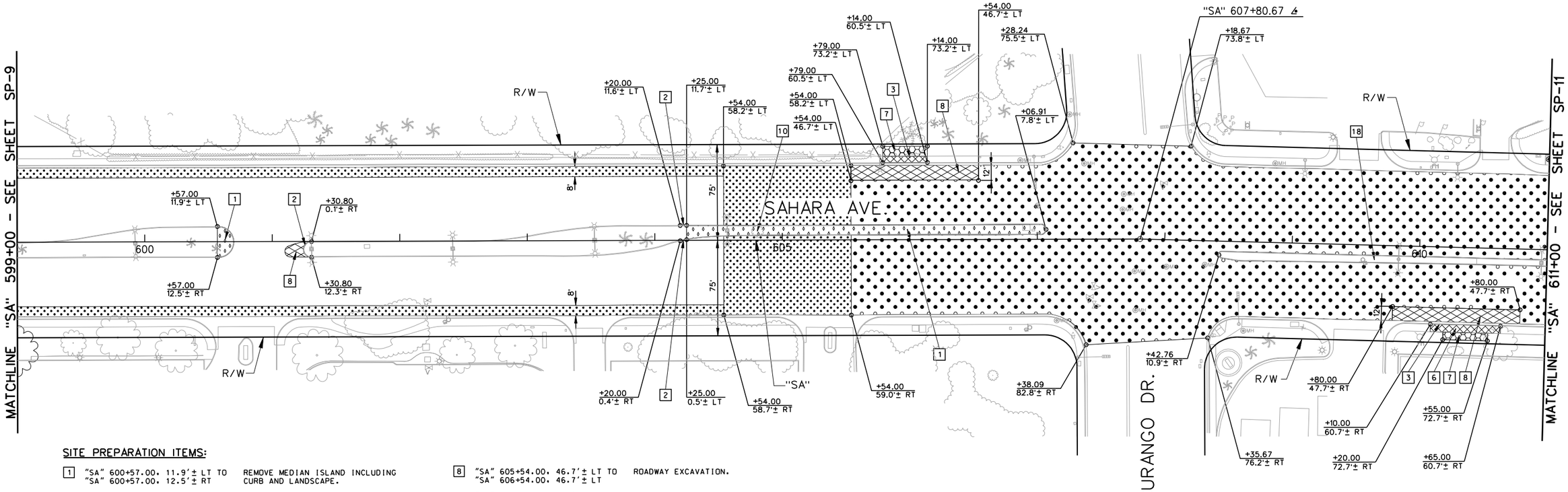
Sheet 17 of 592

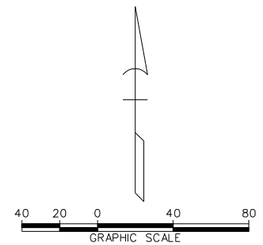
SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

- LEGEND -

- LIMITS OF REMOVAL (COLD MILLING) (1")
- LIMITS OF REMOVAL (COLD MILLING) (VARYING DEPTH)
- LIMITS OF ROADWAY EXCAVATION
- LIMITS OF SIDEWALK REMOVAL
- LIMITS OF MEDIAN REMOVAL
- LIMITS OF LANDSCAPE REMOVAL





SITE PREPARATION ITEMS:

[1] "SA" 600+57.00, 11.9'± LT TO "SA" 600+57.00, 12.5'± RT — REMOVE MEDIAN ISLAND INCLUDING CURB AND LANDSCAPE.
"SA" 604+25.00, 0.5'± LT TO "SA" 607+06.91, 7.8'± LT

[2] "SA" 604+20.00, 11.6'± LT TO "SA" 604+25.00, 11.7'± LT — REMOVE ISLAND CURB.
"SA" 601+30.80, 0.1'± RT TO "SA" 601+30.80, 12.3'± RT
"SA" 604+20.00, 0.4'± RT TO "SA" 604+25.00, 0.5'± LT

[3] "SA" 610+10.00, 60.7'± RT TO "SA" 610+65.00, 60.7'± RT — REMOVE CURB AND GUTTER.

[6] "SA" 605+79.00, 60.5'± LT TO "SA" 606+14.00, 60.5'± LT — REMOVE SIDEWALK.
"SA" 610+10.00, 60.7'± RT TO "SA" 610+65.00, 60.7'± RT

[7] "SA" 605+79.00, 73.2'± LT TO "SA" 606+14.00, 73.2'± LT — REMOVE LANDSCAPE AND RESTORE IRRIGATION.
"SA" 610+20.00, 72.7'± RT TO "SA" 610+55.00, 72.7'± RT

[8] "SA" 605+54.00, 46.7'± LT TO "SA" 606+54.00, 46.7'± LT — ROADWAY EXCAVATION.
"SA" 601+30.80, 0.1'± RT TO "SA" 601+30.80, 12.3'± RT
"SA" 609+80.00, 47.7'± RT TO "SA" 610+80.00, 47.7'± RT

[10] "SA" 604+80.45, 6.8'± LT — REMOVE TREE.

[18] "SA" 608+42.76, 10.9'± RT TO "SA" 611+00.00, 12.6'± RT — REMOVE MEDIAN ISLAND PAVING.

Call 811 or 1-800-227-2600 — Avoid cutting underground utility lines, it's costly.
FAST Call before you UnderGround 1-702-432-5300 — Freeway and Arterial System of Transportation
Avoid hitting overhead power lines, it's costly. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

AS-BUILT
Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
A	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
SITE PREPARATION PLAN
"SA" 599+00 to "SA" 611+00
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: JPS
DESIGNED BY: JSD CHECKED BY: KK
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

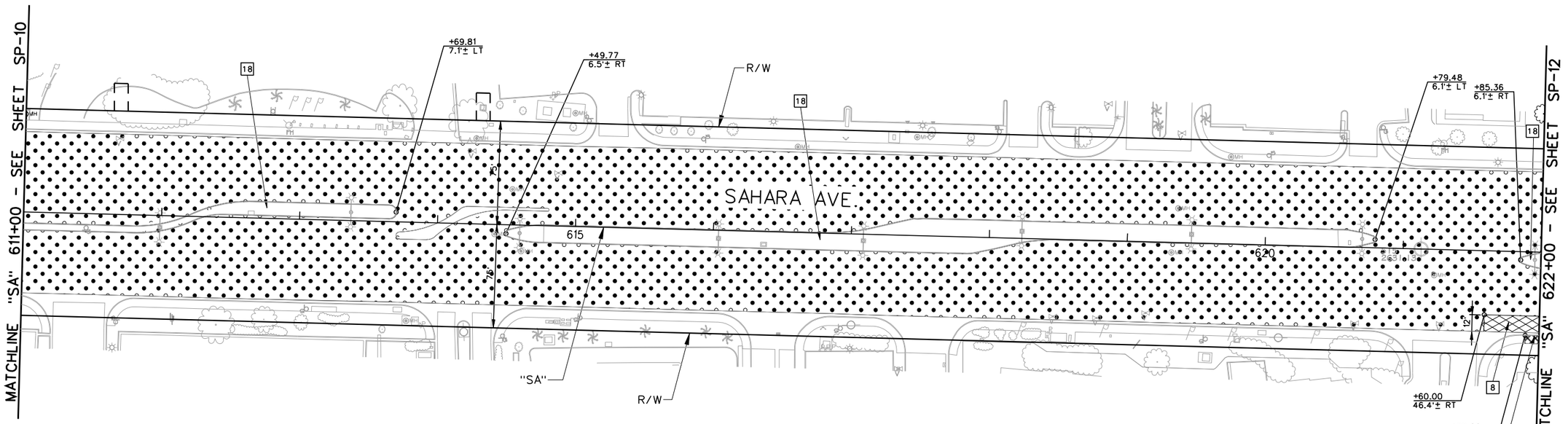
SHEET No. SP-10
Sheet 18 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

- LEGEND -

- LIMITS OF REMOVAL (COLD MILLING) (1")
- LIMITS OF REMOVAL (COLD MILLING) (VARYING DEPTH)
- LIMITS OF ROADWAY EXCAVATION
- LIMITS OF SIDEWALK REMOVAL
- LIMITS OF MEDIAN REMOVAL
- LIMITS OF LANDSCAPE REMOVAL



SITE PREPARATION ITEMS:

[3] "SA" 621+90.00. 60.4'± RT TO "SA" 622+00.00. 60.4'± RT — REMOVE CURB AND GUTTER.

[6] "SA" 621+90.00. 60.4'± RT TO "SA" 622+00.00. 60.4'± RT — REMOVE SIDEWALK.

[8] "SA" 621+60.00. 46.4'± LT TO "SA" 622+00.00. 46.4'± RT — ROADWAY EXCAVATION.

[18] "SA" 611+00.00. 12.6'± RT TO "SA" 613+69.81. 7.1'± LT
"SA" 614+49.77. 6.5'± RT TO "SA" 620+79.48. 6.1'± LT
"SA" 621+85.36. 6.1'± RT TO "SA" 622+00.00. 11.3'± RT — REMOVE MEDIAN ISLAND PAVING.

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY
Call 811 or 1-800-227-2600

FAST
Call before you UnderGround
PRIORITY AND ARTERIAL SYSTEM OF TRANSPORTATION
1-702-432-5300

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY
CALL BEFORE YOU DO OVERHEAD
1-702-227-2929

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

SITE PREPARATION PLAN

"SA" 611+00 to "SA" 622+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: JPS
DESIGNED BY: JSD CHECKED BY: KK
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-8632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

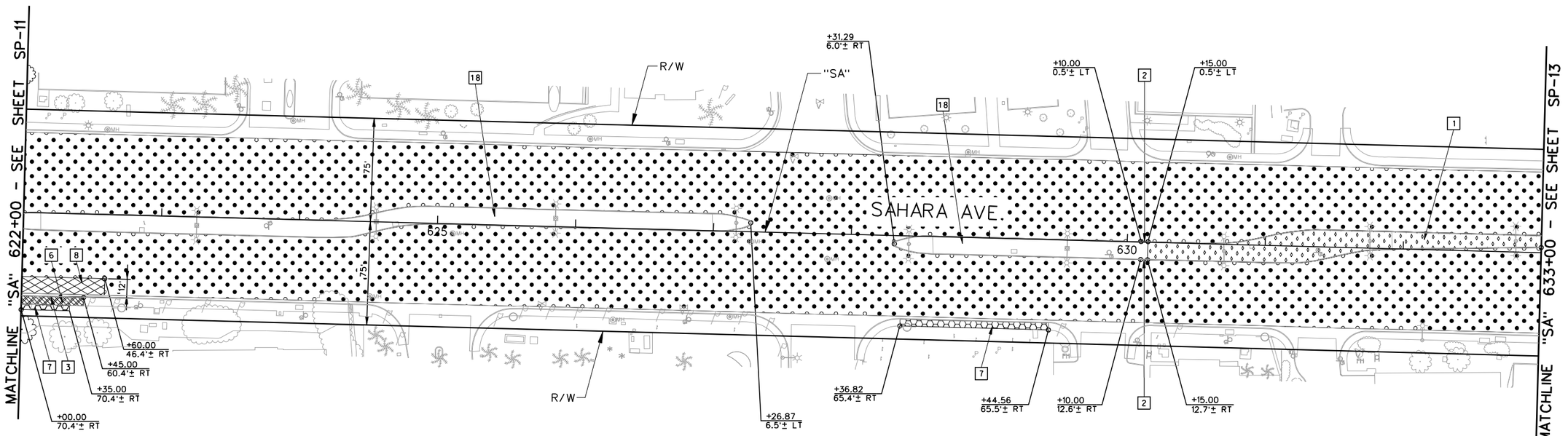
SHEET No. SP-11

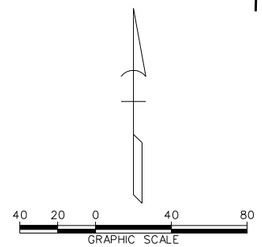
SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

- LEGEND -

- LIMITS OF REMOVAL (COLD MILLING) (1")
- LIMITS OF REMOVAL (COLD MILLING) (VARYING DEPTH)
- LIMITS OF ROADWAY EXCAVATION
- LIMITS OF SIDEWALK REMOVAL
- LIMITS OF MEDIAN REMOVAL
- LIMITS OF LANDSCAPE REMOVAL





SITE PREPARATION ITEMS:

1	"SA" 630+15.00, 12.7'± RT TO "SA" 633+00.00, 3.8'± LT	REMOVE MEDIAN ISLAND INCLUDING CURB AND LANDSCAPE.
2	"SA" 630+10.00, 0.5'± LT TO "SA" 630+15.00, 0.5'± LT "SA" 630+10.00, 12.6'± RT TO "SA" 630+15.00, 12.7'± RT	REMOVE ISLAND CURB.
3	"SA" 622+00.00, 60.4'± RT TO "SA" 622+45.00, 60.4'± RT	REMOVE CURB AND GUTTER.
6	"SA" 622+00.00, 60.4'± RT TO "SA" 622+45.00, 60.4'± RT	REMOVE SIDEWALK.
7	"SA" 622+00.00, 70.4'± RT TO "SA" 622+35.00, 70.4'± RT "SA" 625+36.82, 65.5'± RT TO "SA" 629+44.56, 65.5'± RT	REMOVE LANDSCAPE AND RESTORE IRRIGATION.
8	"SA" 622+00.00, 46.4'± RT TO "SA" 622+60.00, 46.4'± RT	ROADWAY EXCAVATION.
18	"SA" 622+00.00, 11.3'± RT TO "SA" 627+26.87, 6.5'± LT "SA" 628+31.29, 6.0'± RT TO "SA" 630+15.00, 12.7'± RT	REMOVE MEDIAN ISLAND PAVING.

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S CURIOUS
Call 811 or 1-800-227-2600
FAST
Call before you UnderGround 1-702-432-5300
FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION
AVOID HITTING OVERHEAD POWER LINES. IT'S CURIOUS
CALL BEFORE YOU DO OVERHEAD
1-702-227-2929

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

SITE PREPARATION PLAN

"SA" 622+00 to "SA" 633+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: JPS
DESIGNED BY: JSD CHECKED BY: KK
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-8632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. SP-12

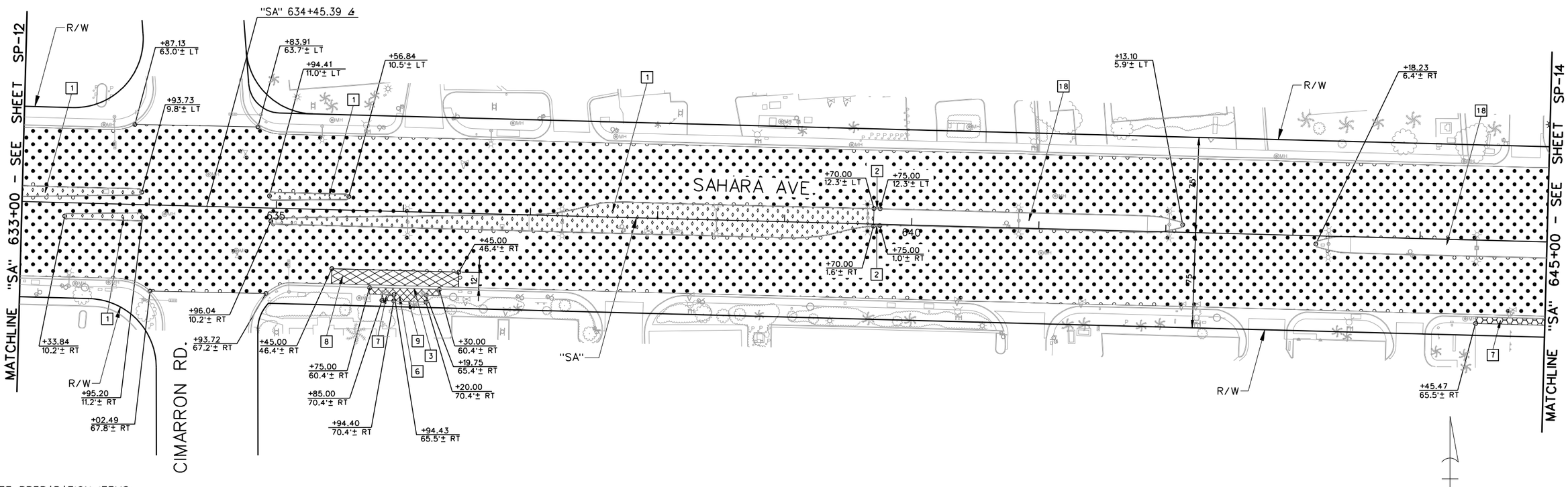
Sheet 20 of 592

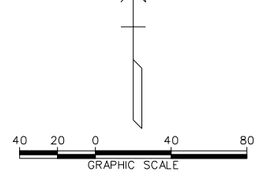
SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

- LEGEND -

- LIMITS OF REMOVAL (COLD MILLING) (1")
- LIMITS OF REMOVAL (COLD MILLING) (VARYING DEPTH)
- LIMITS OF ROADWAY EXCAVATION
- LIMITS OF SIDEWALK REMOVAL
- LIMITS OF MEDIAN REMOVAL
- LIMITS OF LANDSCAPE REMOVAL





SITE PREPARATION ITEMS:

1. "SA" 633+00.00. 3.8'± LT TO "SA" 633+93.73. 9.8'± LT — REMOVE MEDIAN ISLAND INCLUDING CURB AND LANDSCAPE.
   "SA" 634+94.41. 11.0'± LT TO "SA" 635+56.84. 10.5'± LT
   "SA" 633+33.84. 10.2'± RT TO "SA" 633+95.20. 11.2'± RT
   "SA" 634+96.04. 10.2'± RT TO "SA" 639+70.00. 1.6'± RT
2. "SA" 639+70.00. 12.3'± LT TO "SA" 639+75.00. 12.3'± LT
   "SA" 639+70.00. 1.6'± RT TO "SA" 639+75.00. 1.0'± RT — REMOVE ISLAND CURB.
3. "SA" 635+75.00. 60.4'± RT TO "SA" 636+30.00. 60.4'± RT — REMOVE CURB AND GUTTER.
6. "SA" 635+75.00. 60.4'± RT TO "SA" 636+30.00. 60.4'± RT — REMOVE SIDEWALK.
7. "SA" 635+85.00. 70.4'± RT TO "SA" 636+94.40. 70.4'± RT
   "SA" 644+45.47. 65.5'± RT TO "SA" 645+00.00. 65.5'± RT — REMOVE LANDSCAPE AND RESTORE IRRIGATION.
8. "SA" 635+45.00. 46.4'± RT TO "SA" 636+45.00. 46.4'± RT — ROADWAY EXCAVATION.
9. "SA" 635+94.43. 65.4'± RT TO "SA" 636+19.75. 65.4'± RT — REMOVE BLOCKWALL.
18. "SA" 639+70.00. 1.6'± RT TO "SA" 642+13.10. 5.9'± LT
    "SA" 643+18.23. 6.4'± RT TO "SA" 645+00.00. 12.3'± RT — REMOVE MEDIAN ISLAND PAVING.

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

Call 811 or 1-800-227-2600 — FAST Call before you UnderGround 1-702-432-5300 — CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

SITE PREPARATION PLAN

"SA" 633+00 to "SA" 645+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No:	CB 1083	DRAWN BY:	JPS
DESIGNED BY:	JSD	CHECKED BY:	KK
APPROVED BY	RJP		

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-8632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

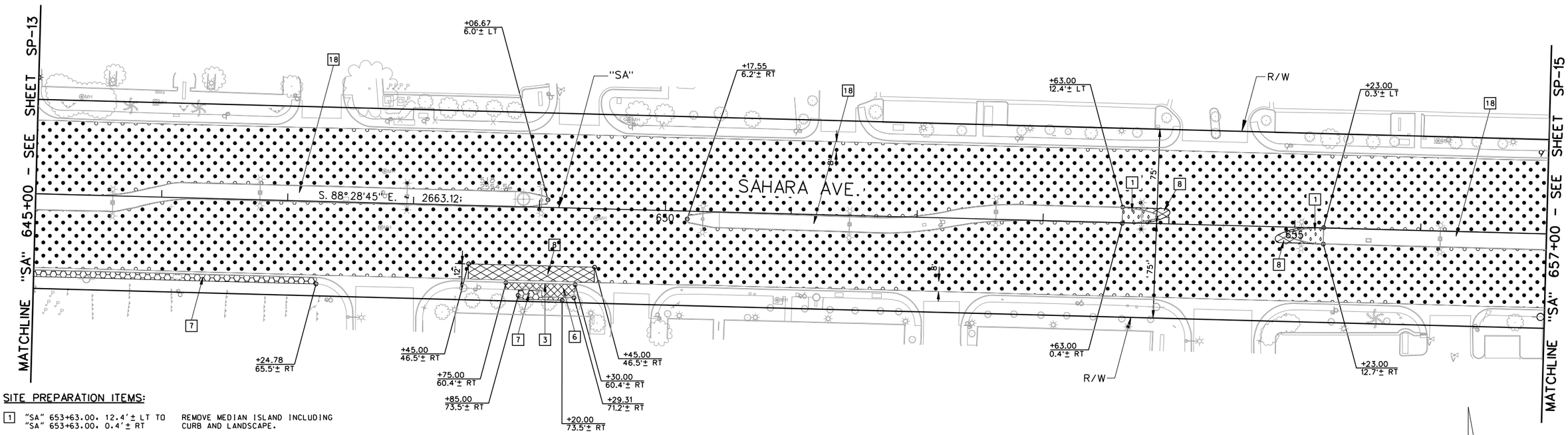
SHEET No. SP-13

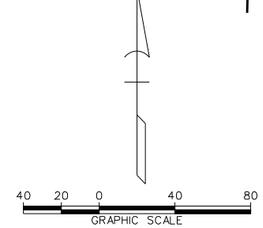
SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

- LEGEND -

- LIMITS OF REMOVAL (COLD MILLING) (1")
- LIMITS OF REMOVAL (COLD MILLING) (VARYING DEPTH)
- LIMITS OF ROADWAY EXCAVATION
- LIMITS OF SIDEWALK REMOVAL
- LIMITS OF MEDIAN REMOVAL
- LIMITS OF LANDSCAPE REMOVAL





SITE PREPARATION ITEMS:

[1] "SA" 653+63.00. 12.4'± LT TO "SA" 653+63.00. 0.4'± RT — REMOVE MEDIAN ISLAND INCLUDING CURB AND LANDSCAPE.
"SA" 655+23.00. 0.3'± LT TO "SA" 655+23.00. 12.7'± RT

[3] "SA" 648+75.00. 60.4'± RT TO "SA" 649+30.00. 60.4'± RT — REMOVE CURB AND GUTTER.

[6] "SA" 648+75.00. 60.4'± RT TO "SA" 649+30.00. 60.4'± RT — REMOVE SIDEWALK.

[7] "SA" 645+00.00. 65.5'± RT TO "SA" 647+24.32. 65.5'± RT — REMOVE LANDSCAPE AND RESTORE IRRIGATION.
"SA" 648+85.00. 73.5'± RT TO "SA" 649+20.00. 73.5'± RT

[8] "SA" 648+45.00. 46.5'± RT TO "SA" 649+45.00. 46.5'± RT — ROADWAY EXCAVATION.
"SA" 653+63.00. 12.4'± LT TO "SA" 653+63.00. 0.4'± RT
"SA" 655+23.00. 0.3'± LT TO "SA" 655+23.00. 12.7'± RT

[18] "SA" 645+00.00. 12.3'± RT TO "SA" 649+06.67. 6.0'± LT — REMOVE MEDIAN ISLAND PAVING.
"SA" 650+17.55. 6.2'± RT TO "SA" 653+63.00. 0.4'± RT
"SA" 655+23.00. 0.3'± LT TO "SA" 657+00.00. 12.3'± RT

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S CONTROL
Call 811 or 1-800-227-2600

FAST
Call before you UnderGround
1-702-432-5300
FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. IT'S CONTROL
CALL BEFORE YOU DO OVERHEAD
1-702-227-2929

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

SITE PREPARATION PLAN

"SA" 645+00 to "SA" 657+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No:	CB 1083	DRAWN BY:	JPS
DESIGNED BY:	JSD	CHECKED BY:	KK
APPROVED BY	RJP		

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

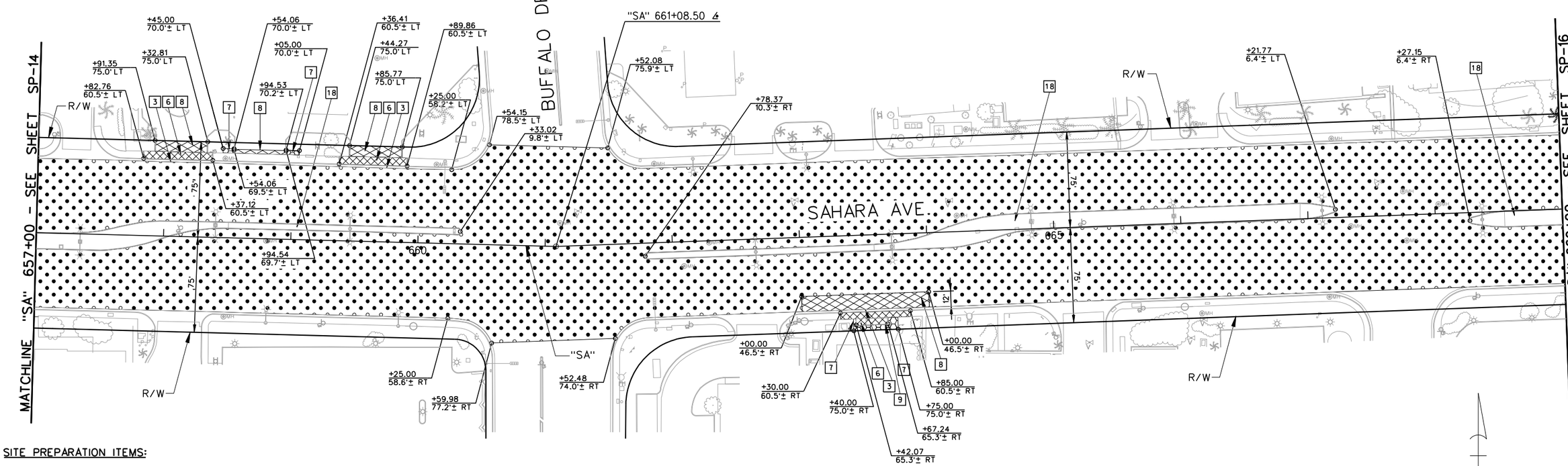
SHEET No. SP-14

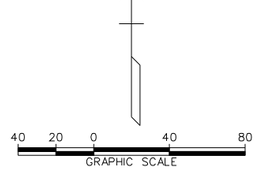
SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

- LEGEND -

- LIMITS OF REMOVAL (COLD MILLING) (1")
- LIMITS OF REMOVAL (COLD MILLING) (VARYING DEPTH)
- LIMITS OF ROADWAY EXCAVATION
- LIMITS OF SIDEWALK REMOVAL
- LIMITS OF MEDIAN REMOVAL
- LIMITS OF LANDSCAPE REMOVAL





SITE PREPARATION ITEMS:

[3] "SA" 657+82.76, 60.5'± LT TO "SA" 658+37.12, 60.5'± LT — REMOVE CURB AND GUTTER.
"SA" 659+36.41, 60.5'± LT TO "SA" 659+89.86, 60.5'± LT
"SA" 663+30.00, 60.5'± RT TO "SA" 663+85.00, 60.5'± RT

[6] "SA" 657+82.76, 60.5'± LT TO "SA" 658+37.12, 60.5'± LT — REMOVE SIDEWALK.
"SA" 659+36.41, 60.5'± LT TO "SA" 659+89.86, 60.5'± LT
"SA" 663+30.00, 60.5'± RT TO "SA" 663+85.00, 60.5'± RT

[7] "SA" 658+45.00, 70.0'± LT TO "SA" 658+54.06, 70.0'± LT — REMOVE LANDSCAPE AND RESTORE IRRIGATION.
"SA" 658+94.53, 70.2'± LT TO "SA" 659+05.00, 70.0'± LT
"SA" 663+40.00, 75.0' RT TO "SA" 663+75.00, 75.0' RT

[8] "SA" 657+91.35, 75.0' LT TO "SA" 658+32.81, 75.0' LT — ROADWAY EXCAVATION.
"SA" 658+54.06, 69.5'± LT TO "SA" 658+94.54, 69.7'± LT
"SA" 659+44.27, 75.0' LT TO "SA" 659+85.77, 75.0' LT
"SA" 663+00.00, 46.5' RT "SA" 664+00.00, 46.5' RT

[9] "SA" 663+42.07, 65.6'± RT TO "SA" 663+67.24, 65.3'± RT — REMOVE BLOCKWALL.

[18] "SA" 657+00.00, 12.3'± RT TO "SA" 660+33.02, 9.8'± LT — REMOVE MEDIAN ISLAND PAVING.
"SA" 661+78.37, 10.3'± RT TO "SA" 667+21.77, 6.4'± LT
"SA" 668+27.15, 6.4'± RT TO "SA" 669+00.00, 12.0'± RT

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S CONTROL
Call 811 or 1-800-227-2600
FAST
Call before you UnderGround
1-702-432-5300
PRIMARY AND ARTERIAL SYSTEM OF TRANSPORTATION
AVOID HITTING OVERHEAD POWER LINES. IT'S CONTROL
CALL BEFORE YOU DO OVERHEAD
1-702-227-2929

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

SITE PREPARATION PLAN

"SA" 657+00 to "SA" 669+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: JPS
DESIGNED BY: JSD CHECKED BY: KK
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

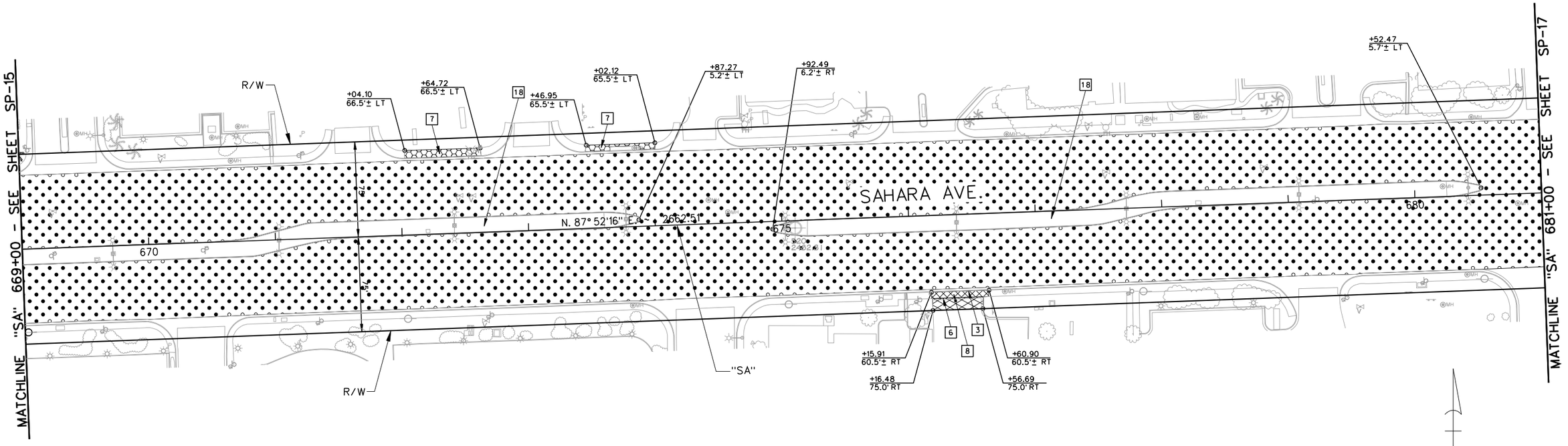
SHEET No. SP-15

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

- LEGEND -

- LIMITS OF REMOVAL (COLD MILLING) (1")
- LIMITS OF REMOVAL (COLD MILLING) (VARYING DEPTH)
- LIMITS OF ROADWAY EXCAVATION
- LIMITS OF SIDEWALK REMOVAL
- LIMITS OF MEDIAN REMOVAL
- LIMITS OF LANDSCAPE REMOVAL



SITE PREPARATION ITEMS:

3	"SA" 676+08.18. 60.5'± RT TO "SA" 676+60.90. 60.5'± RT	REMOVE CURB AND GUTTER.
6	"SA" 676+15.91. 60.5'± RT TO "SA" 676+60.90. 60.5'± RT	REMOVE SIDEWALK.
7	"SA" 672+04.10. 66.5'± LT TO "SA" 672+64.72. 66.5'± LT	REMOVE LANDSCAPE AND RESTORE IRRIGATION.
	"SA" 673+46.95. 65.5'± LT TO "SA" 674+02.12. 65.5'± LT	
8	"SA" 676+16.48. 75.0' RT TO "SA" 676+56.69. 75.0' RT	ROADWAY EXCAVATION.
18	"SA" 669+00.00. 12.0'± RT TO "SA" 673+87.27. 5.2'± LT	REMOVE MEDIAN ISLAND PAVING.
	"SA" 674+92.49. 6.2'± RT TO "SA" 680+52.47. 5.7'± LT	

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call 811 or 1-800-227-2600

FAST Call before you UnderGround 1-702-432-5300 FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
A	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

SITE PREPARATION PLAN

"SA" 669+00 to "SA" 681+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: JPS
DESIGNED BY: JSD CHECKED BY: KK
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

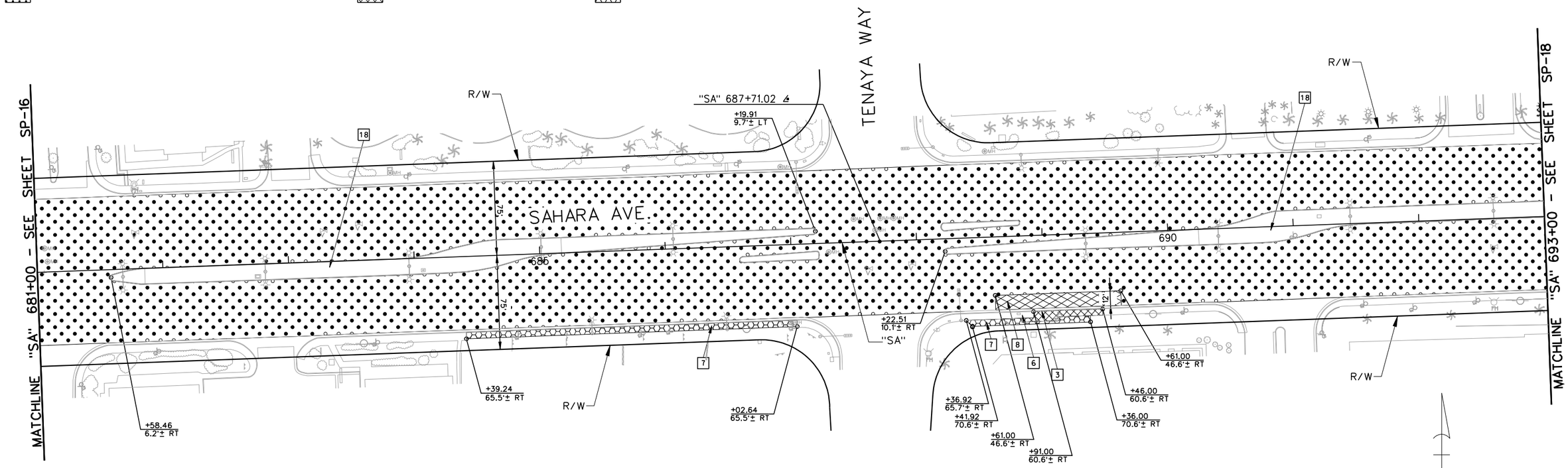
SHEET No. SP-16

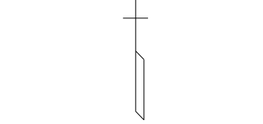
SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

- LEGEND -

- LIMITS OF REMOVAL (COLD MILLING) (1")
- LIMITS OF REMOVAL (COLD MILLING) (VARYING DEPTH)
- LIMITS OF ROADWAY EXCAVATION
- LIMITS OF SIDEWALK REMOVAL
- LIMITS OF MEDIAN REMOVAL
- LIMITS OF LANDSCAPE REMOVAL





SITE PREPARATION ITEMS:

3	"SA" 688+91.00. 60.6'± RT TO "SA" 689+46.00. 60.6'± RT	REMOVE CURB AND GUTTER.
6	"SA" 688+66.00. 60.6'± RT TO "SA" 689+46.00. 60.6'± RT	REMOVE SIDEWALK.
7	"SA" 684+39.24. 65.5'± RT TO "SA" 687+02.64. 65.5'± RT	REMOVE LANDSCAPE AND RESTORE IRRIGATION.
	"SA" 688+36.92. 65.7'± RT TO "SA" 689+36.00. 70.6'± RT	
8	"SA" 688+61.00. 46.6'± RT TO "SA" 689+61.00. 46.6'± RT	ROADWAY EXCAVATION.
18	"SA" 681+58.46. 6.2'± RT TO "SA" 687+19.91. 9.7'± LT	REMOVE MEDIAN ISLAND PAVING.
	"SA" 688+22.51. 10.1'± RT TO "SA" 693+00.00. 0.2'± RT	

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY
Call 811 or 1-800-227-2600

FAST
Call before you UnderGround
1-702-432-5300
FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY
CALL BEFORE YOU DO OVERHEAD
1-702-227-2929

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

SITE PREPARATION PLAN

"SA" 681+00 to "SA" 693+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: JSD CHECKED BY: KK
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

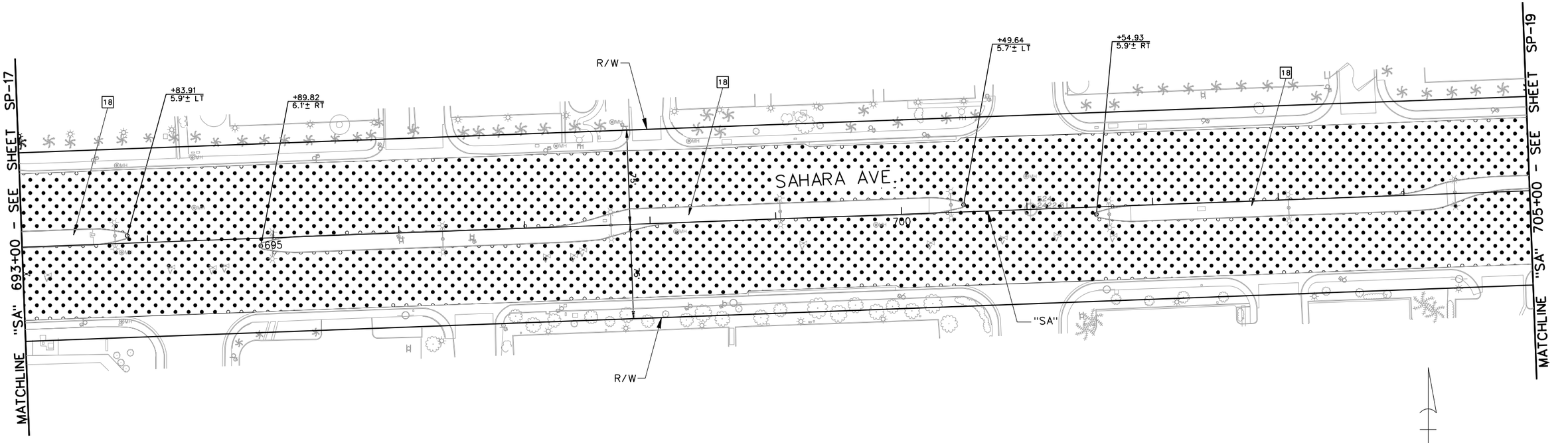
SHEET No. SP-17

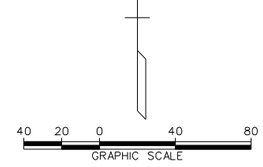
SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

- LEGEND -

- LIMITS OF REMOVAL (COLD MILLING) (1")
- LIMITS OF REMOVAL (COLD MILLING) (VARYING DEPTH)
- LIMITS OF ROADWAY EXCAVATION
- LIMITS OF SIDEWALK REMOVAL
- LIMITS OF MEDIAN REMOVAL
- LIMITS OF LANDSCAPE REMOVAL





SITE PREPARATION ITEMS:

18 "SA" 693+00.00, 0.2'± RT TO "SA" 693+83.91, 5.9'± LT — REMOVE MEDIAN ISLAND PAVING.

"SA" 694+89.82, 6.1'± RT TO "SA" 700+49.64, 5.7'± LT

"SA" 701+54.93, 5.9'± RT TO "SA" 705+00.00, 2.1'± LT

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call 811 or 1-800-227-2600

FAST Call before you UnderGround 1-702-432-5300 FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

SITE PREPARATION PLAN

"SA" 693+00 to "SA" 705+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: JSD CHECKED BY: KK
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

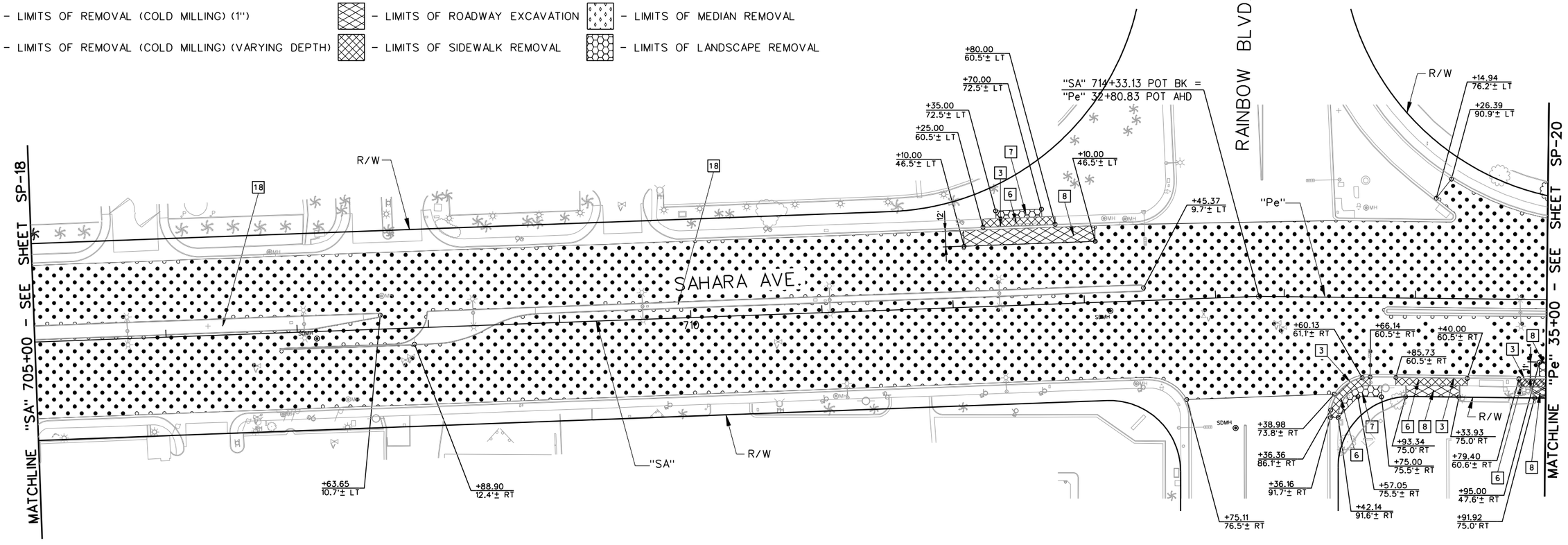
SHEET No. SP-18

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

- LEGEND -

- LIMITS OF REMOVAL (COLD MILLING) (1")
- LIMITS OF REMOVAL (COLD MILLING) (VARYING DEPTH)
- LIMITS OF ROADWAY EXCAVATION
- LIMITS OF SIDEWALK REMOVAL
- LIMITS OF MEDIAN REMOVAL
- LIMITS OF LANDSCAPE REMOVAL



SITE PREPARATION ITEMS:

[3] "SA" 712+25.00. 60.5'± LT TO "SA" 712+80.00. 60.5'± LT — REMOVE CURB AND GUTTER.
"Pe" 33+36.36. 86.1'± RT TO "Pe" 33+60.13. 61.1'± RT
"Pe" 33+85.73. 60.5'± RT TO "Pe" 34+40.00. 60.5'± RT
"Pe" 34+79.40. 60.6'± RT TO "Pe" 35+00.00. 60.6'± RT

[6] "SA" 712+25.00. 60.5'± LT TO "SA" 712+80.00. 60.5'± LT — REMOVE SIDEWALK.
"Pe" 33+36.16. 91.7'± RT TO "Pe" 33+66.14. 60.5'± RT
"Pe" 33+85.73. 60.5'± RT TO "Pe" 34+40.00. 60.5'± RT
"Pe" 34+79.40. 60.6'± RT TO "Pe" 35+00.00. 60.6'± RT

[7] "SA" 712+35.00. 72.5'± LT TO "SA" 712+70.00. 72.5'± LT — REMOVE LANDSCAPE AND RESTORE IRRIGATION.
"Pe" 33+42.14. 91.6'± RT TO "Pe" 33+75.00. 75.5'± RT

[8] "SA" 712+10.00. 46.5'± LT TO "SA" 713+10.00. 46.5'± LT — ROADWAY EXCAVATION.
"Pe" 33+93.34. 75.0' RT TO "Pe" 34+33.93. 75.0' RT
"Pe" 34+91.92. 75.0' RT TO "Pe" 35+00.00. 75.0' RT
"Pe" 34+95.00. 47.6'± RT TO "Pe" 35+00.00. 47.6'± RT

[18] "SA" 705+00.00. 2.1'± LT TO "SA" 707+63.65. 10.7'± LT
"SA" 707+88.90. 12.4'± RT TO "SA" 713+45.37. 9.7'± LT — REMOVE MEDIAN ISLAND PAVING.

40 20 0 40 80
GRAPHIC SCALE

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

Call 811 or 1-800-227-2600 — FAST Call before you UnderGround 1-702-432-5300 — CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

SITE PREPARATION PLAN

"SA" 705+00 to "Pe" 35+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: JSD CHECKED BY: KK
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

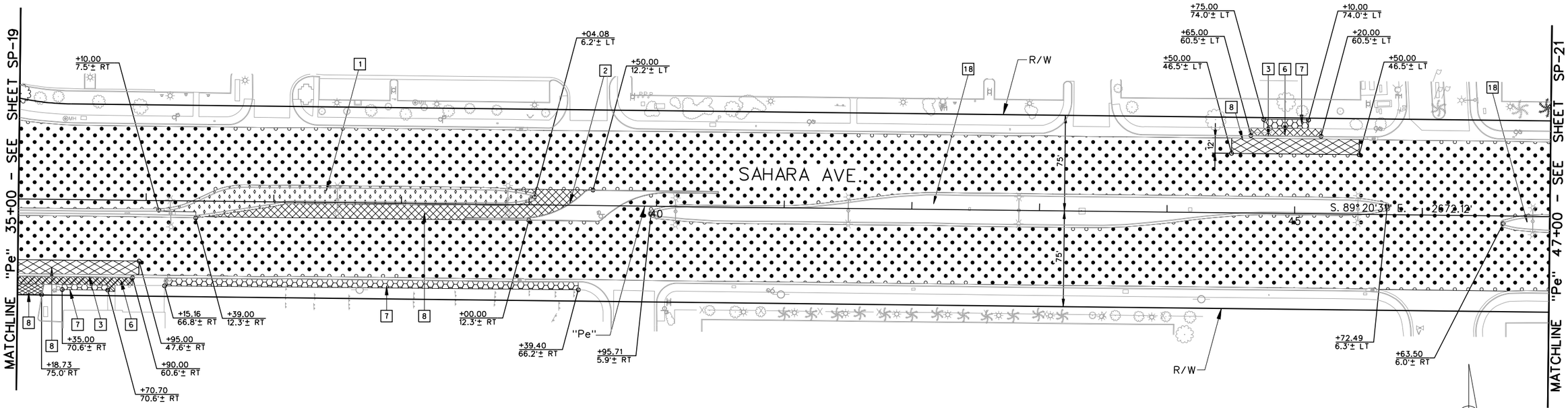
SHEET No. SP-19

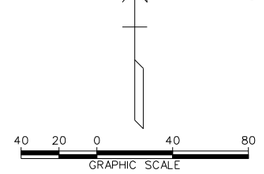
SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

- LEGEND -

- LIMITS OF REMOVAL (COLD MILLING) (1")
- LIMITS OF REMOVAL (COLD MILLING) (VARYING DEPTH)
- LIMITS OF ROADWAY EXCAVATION
- LIMITS OF SIDEWALK REMOVAL
- LIMITS OF MEDIAN REMOVAL
- LIMITS OF LANDSCAPE REMOVAL





SITE PREPARATION ITEMS:

[1] "Pe" 36+10.00, 7.5'± RT TO "Pe" 39+04.08, 6.2'± LT — REMOVE MEDIAN ISLAND INCLUDING CURB AND LANDSCAPING.

[2] "Pe" 39+00.00, 12.3'± RT TO "Pe" 36+39.00, 12.2'± RT — REMOVE ISLAND CURB

[3] "Pe" 44+65.00, 60.5'± LT TO "Pe" 45+20.00, 60.5'± LT — REMOVE CURB AND GUTTER.

"Pe" 35+00.00, 60.6'± RT TO "Pe" 35+90.00, 60.6'± RT

[6] "Pe" 44+65.00, 60.5'± LT TO "Pe" 45+20.00, 60.5'± LT — REMOVE SIDEWALK.

"Pe" 35+00.00, 60.6'± RT TO "Pe" 35+90.00, 60.6'± RT

[7] "Pe" 44+75.00, 74.0'± LT TO "Pe" 45+10.00, 74.0'± LT — REMOVE LANDSCAPE AND RESTORE IRRIGATION.

"Pe" 35+35.00, 70.6'± RT TO "Pe" 35+70.70, 70.6'± RT

"Pe" 36+15.16, 66.8'± RT TO "Pe" 39+39.40, 66.2'± RT

[8] "Pe" 44+50.00, 46.7'± LT TO "Pe" 45+50.00, 46.7'± LT — ROADWAY EXCAVATION.

"Pe" 35+00.00, 47.6'± RT TO "Pe" 35+95.00, 47.6'± RT

"Pe" 35+00.00, 75.0' RT TO "Pe" 35+18.73, 75.0' RT

"Pe" 36+39.00, 12.3'± RT TO "Pe" 39+50.00, 12.2'± LT

[18] "Pe" 39+95.71, 5.9'± RT TO "Pe" 45+72.49, 6.3'± LT — REMOVE MEDIAN ISLAND PAVING.

"Pe" 46+63.50, 6.0'± RT TO "Pe" 47+00.00, 10.5'± RT

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call 811 or 1-800-227-2600

FAST Call before you UnderGround 1-702-432-5300 FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

SITE PREPARATION PLAN

"Pe" 35+00 to "Pe" 47+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: JSD CHECKED BY: KK
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

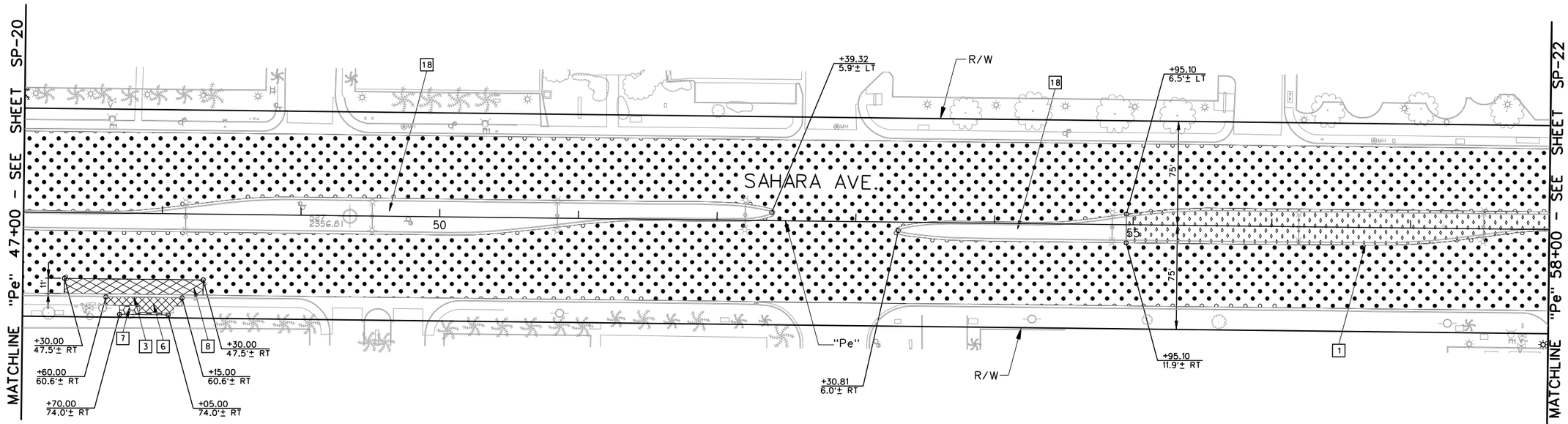
SHEET No. SP-20

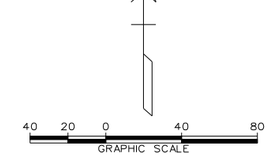
SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

- LEGEND -

- LIMITS OF REMOVAL (COLD MILLING) (1")
- LIMITS OF REMOVAL (COLD MILLING) (VARYING DEPTH)
- LIMITS OF ROADWAY EXCAVATION
- LIMITS OF SIDEWALK REMOVAL
- LIMITS OF MEDIAN REMOVAL
- LIMITS OF LANDSCAPE REMOVAL





SITE PREPARATION ITEMS:

1	"Pe" 54+95.10. 11.9'± RT TO "Pe" 58+00.00. 12.9'± LT	REMOVE MEDIAN ISLAND INCLUDING CURB AND LANDSCAPE.
3	"Pe" 47+60.00. 60.6'± RT TO "Pe" 48+15.00. 60.6'± RT	REMOVE CURB AND GUTTER.
6	"Pe" 47+60.00. 60.6'± RT TO "Pe" 48+15.00. 60.6'± RT	REMOVE SIDEWALK.
7	"Pe" 47+70.00. 74.0'± RT TO "Pe" 48+05.00. 74.0'± RT	REMOVE LANDSCAPE AND RESTORE IRRIGATION.
8	"Pe" 47+30.00. 47.5'± RT TO "Pe" 48+30.00. 47.5'± RT	ROADWAY EXCAVATION.
18	"Pe" 47+00.00. 10.5'± RT TO "Pe" 52+39.32. 5.9'± LT "Pe" 53+30.81. 6.0'± RT TO "Pe" 54+95.10. 11.9'± RT	REMOVE MEDIAN ISLAND PAVING.

Call 811 or 1-800-227-2600

FAST Call before you UnderGround 1-702-432-5300 FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

SITE PREPARATION PLAN

"Pe" 47+00 to "Pe" 58+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: JSD CHECKED BY: KK
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. SP-21

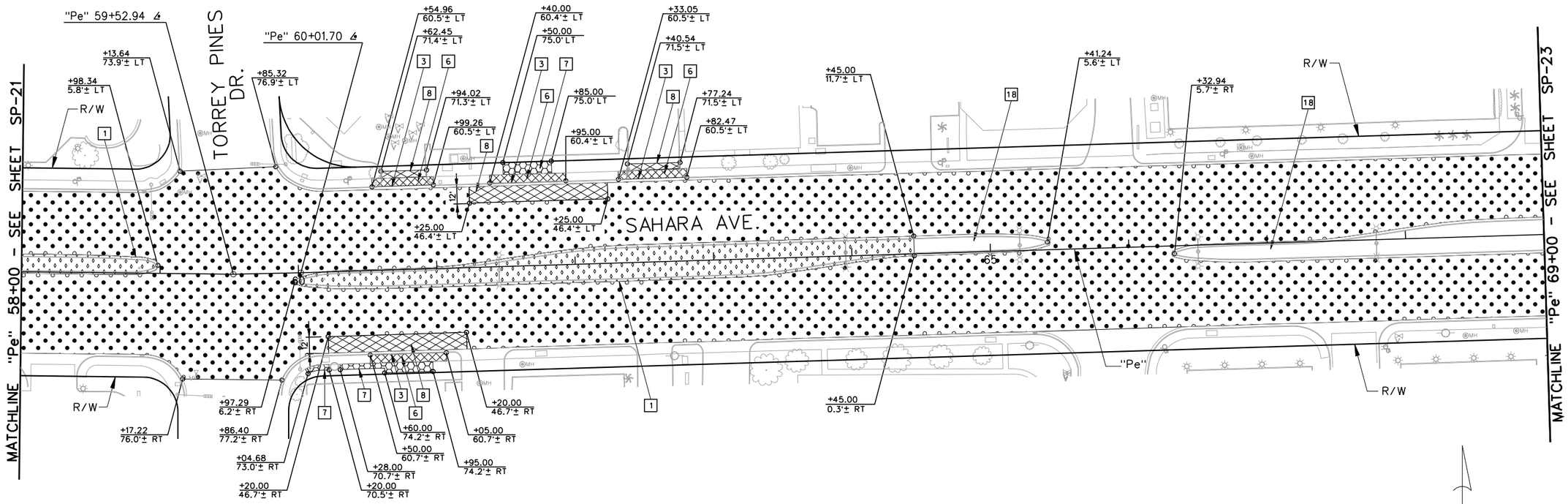
Sheet 29 of 592

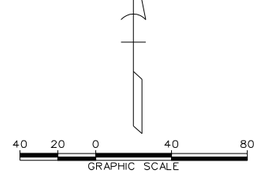
SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

- LEGEND -

- LIMITS OF REMOVAL (COLD MILLING) (1")
- LIMITS OF REMOVAL (COLD MILLING) (VARYING DEPTH)
- LIMITS OF ROADWAY EXCAVATION
- LIMITS OF SIDEWALK REMOVAL
- LIMITS OF MEDIAN REMOVAL
- LIMITS OF LANDSCAPE REMOVAL





SITE PREPARATION ITEMS:

[1] "Pe" 58+00.00. 12.9'± LT TO "Pe" 58+98.34. 5.8'± LT — REMOVE MEDIAN ISLAND INCLUDING CURB AND LANDSCAPE.
"Pe" 59+97.29. 6.2'± RT TO "Pe" 64+45.00. 0.3'± RT

[3] "Pe" 60+54.96. 60.5'± LT TO "Pe" 60+99.26. 60.5'± LT — REMOVE CURB AND GUTTER.
"Pe" 61+40.00. 60.4'± LT TO "Pe" 61+95.00. 60.4'± LT
"Pe" 62+33.05. 60.5'± LT TO "Pe" 62+82.47. 60.5'± LT
"Pe" 60+50.00. 60.7'± RT TO "Pe" 61+05.00. 60.7'± RT

[6] "Pe" 60+54.96. 60.5'± LT TO "Pe" 60+99.26. 60.5'± LT — REMOVE SIDEWALK.
"Pe" 61+40.00. 60.4'± LT TO "Pe" 61+95.00. 60.4'± LT
"Pe" 62+33.05. 60.5'± LT TO "Pe" 62+82.47. 60.5'± LT
"Pe" 60+50.00. 60.7'± RT TO "Pe" 61+05.00. 60.7'± RT

[7] "Pe" 61+50.00. 75.0' LT TO "Pe" 61+85.00. 75.0' LT — REMOVE LANDSCAPE AND RESTORE IRRIGATION.
"Pe" 60+04.68. 73.0'± RT TO "Pe" 60+20.00. 70.5'± RT
"Pe" 60+28.00. 70.7'± RT TO "Pe" 60+95.00. 74.2'± RT

[8] "Pe" 60+62.45. 71.4'± LT TO "Pe" 60+94.02. 71.3'± LT — ROADWAY EXCAVATION.
"Pe" 61+25.00. 46.4'± LT TO "Pe" 62+25.00. 46.4'± LT
"Pe" 62+40.54. 71.5'± LT TO "Pe" 62+77.24. 71.5'± LT
"Pe" 60+20.00. 46.7'± RT TO "Pe" 61+20.00. 46.7'± RT

[18] "Pe" 64+44.93. 0.3'± RT TO "Pe" 65+41.24. 5.6'± LT — REMOVE MEDIAN ISLAND PAVING.
"Pe" 66+32.94. 5.7'± RT TO "Pe" 69+00.00. 11.1'± RT

Call 811 or 1-800-227-2600 — AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S CONTROL
FAST Call before you UnderGround 1-702-432-5300 FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION
CALL BEFORE YOU DO OVERHEAD 1-702-227-2929 — AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY.

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
AS	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

SITE PREPARATION PLAN

"Pe" 58+00 to "Pe" 69+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: JSD CHECKED BY: KK
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-8632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. SP-22

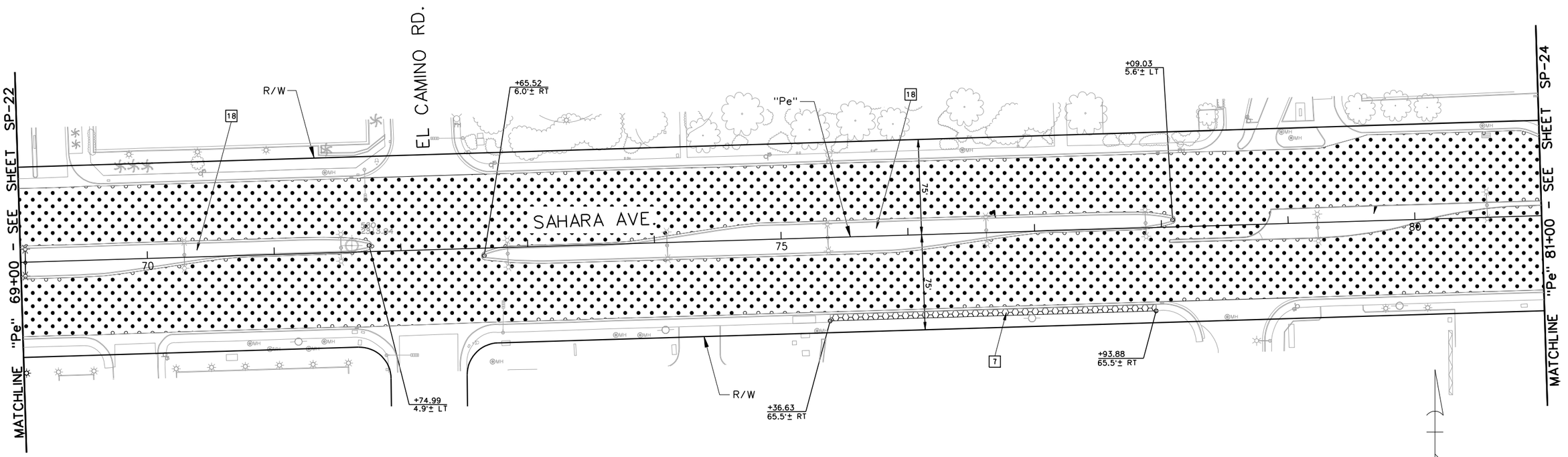
Sheet 30 of 592

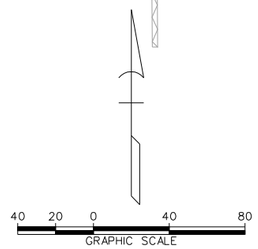
SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

- LEGEND -

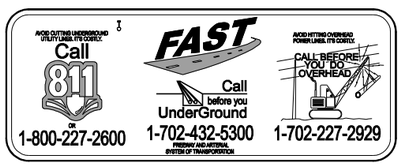
- LIMITS OF REMOVAL (COLD MILLING) (1")
- LIMITS OF REMOVAL (COLD MILLING) (VARYING DEPTH)
- LIMITS OF ROADWAY EXCAVATION
- LIMITS OF SIDEWALK REMOVAL
- LIMITS OF MEDIAN REMOVAL
- LIMITS OF LANDSCAPE REMOVAL





SITE PREPARATION ITEMS:

7	"Pe" 75+36.63, 65.5'± RT TO "Pe" 77+93.88, 65.5'± RT	REMOVE LANDSCAPE AND RESTORE IRRIGATION.
18	"Pe" 69+00.00, 11.1'± RT TO "Pe" 71+74.99, 4.9'± LT	REMOVE MEDIAN ISLAND PAVING.
	"Pe" 72+65.52, 6.0'± RT TO "Pe" 78+09.03, 5.6'± LT	



AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

SITE PREPARATION PLAN

"Pe" 69+00 to "Pe" 81+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: JSD CHECKED BY: KK
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. SP-23

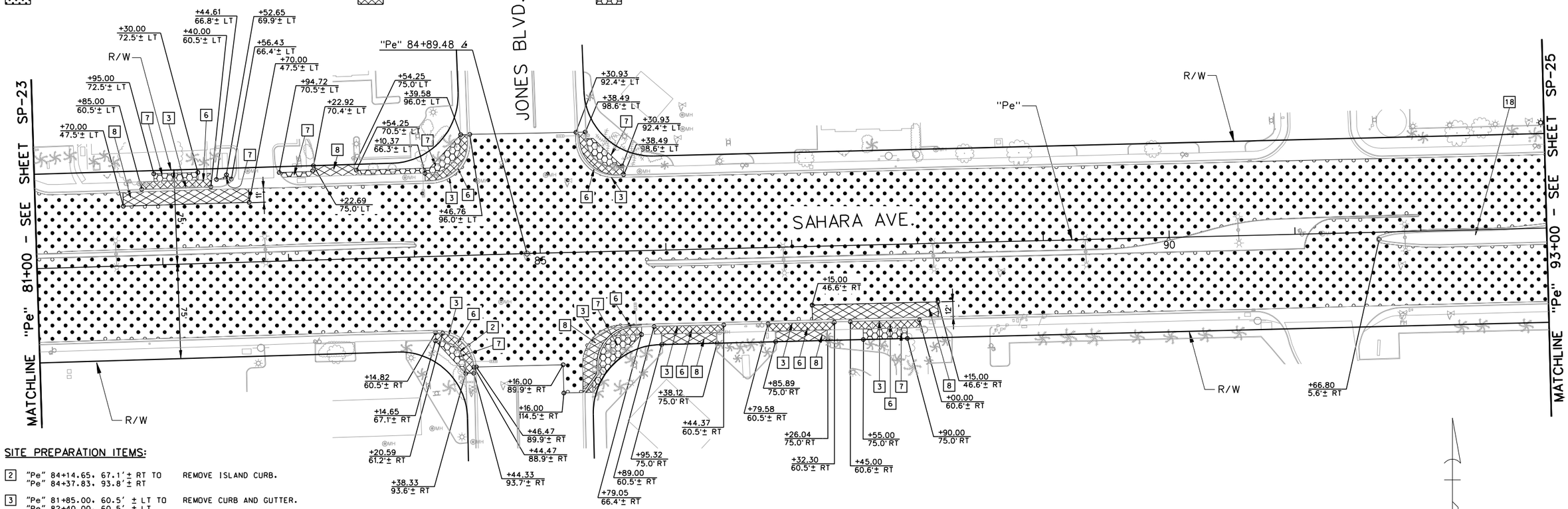
Sheet 31 of 592

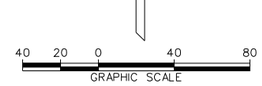
SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

- LEGEND -

- LIMITS OF REMOVAL (COLD MILLING) (1")
- LIMITS OF REMOVAL (COLD MILLING) (VARYING DEPTH)
- LIMITS OF ROADWAY EXCAVATION
- LIMITS OF SIDEWALK REMOVAL
- LIMITS OF MEDIAN REMOVAL
- LIMITS OF LANDSCAPE REMOVAL





SITE PREPARATION ITEMS:

[2] "Pe" 84+14.65, 67.1'± RT TO "Pe" 84+37.83, 93.8'± RT — REMOVE ISLAND CURB.

[3] "Pe" 81+85.00, 60.5' ± LT TO "Pe" 82+40.00, 60.5' ± LT
"Pe" 85+32.28, 104.6' ± LT TO "Pe" 87+08.26, 60.7' ± LT
"Pe" 84+20.59, 61.2'± RT TO "Pe" 84+44.47, 88.9'± RT
"Pe" 85+89.00, 60.5' ± RT TO "Pe" 86+44.37, 60.5' ± RT
"Pe" 86+79.57, 60.5' ± RT TO "Pe" 87+32.30, 60.5' ± RT
"Pe" 87+45.00, 60.6' ± RT TO "Pe" 88+00.00, 60.6' ± RT
— REMOVE CURB AND GUTTER.

[6] "Pe" 81+85.00, 60.5' ± LT TO "Pe" 82+40.00, 60.5' ± LT
"Pe" 85+32.28, 104.6' ± LT TO "Pe" 87+08.26, 60.7' ± LT
"Pe" 84+14.82, 60.5'± RT TO "Pe" 84+44.33, 93.7'± RT
"Pe" 85+89.00, 60.5' ± RT TO "Pe" 86+44.37, 60.5' ± RT
"Pe" 86+79.58, 60.5' ± RT TO "Pe" 87+32.30, 60.5' ± RT
"Pe" 87+45.00, 60.6' ± RT TO "Pe" 88+00.00, 60.6' ± RT
— REMOVE SIDEWALK.

[7] "Pe" 81+95.00, 72.5'± LT TO "Pe" 82+30.00, 72.5'± LT
"Pe" 82+44.61, 66.8'± LT TO "Pe" 82+56.43, 66.4'± LT
"Pe" 82+94.72, 70.5'± LT TO "Pe" 83+22.92, 70.4'± LT
"Pe" 83+54.25, 70.5'± LT TO "Pe" 84+28.07, 70.5'± LT
"Pe" 85+38.49, 98.6' ± LT TO "Pe" 86+01.00, 74.9' ± LT
"Pe" 86+47.98, 74.5' ± LT TO "Pe" 86+64.98, 74.5' ± LT
"Pe" 84+14.65, 67.1'± RT TO "Pe" 84+38.33, 93.6'± RT
"Pe" 87+55.00, 75.0' RT TO "Pe" 87+90.00, 75.0' RT
— REMOVE LANDSCAPE AND RESTORE IRRIGATION.

[8] "Pe" 81+70.00, 47.5'± LT TO "Pe" 82+70.00, 47.5'± LT
"Pe" 83+22.69, 75.0' LT TO "Pe" 83+54.25, 75.0' LT
"Pe" 86+08.44, 80.0' ± LT TO "Pe" 86+40.44, 80.0' ± LT
"Pe" 86+71.84, 79.0' ± LT TO "Pe" 87+03.82, 70.6' ± LT
"Pe" 85+95.32, 75.0' RT TO "Pe" 86+38.12, 75.0' RT
"Pe" 86+85.89, 75.0' RT TO "Pe" 87+26.04, 75.0' RT
"Pe" 87+15.00, 46.6'± RT TO "Pe" 88+15.00, 46.6'± RT
— ROADWAY EXCAVATION.

[18] "Pe" 91+66.80, 5.6'± RT TO "Pe" 93+00.00, 11.0'± RT — REMOVE MEDIAN ISLAND PAVING.

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY.
Call 811 OR 1-800-227-2600

FAST
Call before you UnderGround
1-702-432-5300
FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY.
CALL BEFORE YOU DO OVERHEAD
1-702-227-2929

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
A	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

SITE PREPARATION PLAN

"Pe" 81+00 to "Pe" 93+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: JSD CHECKED BY: KK
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

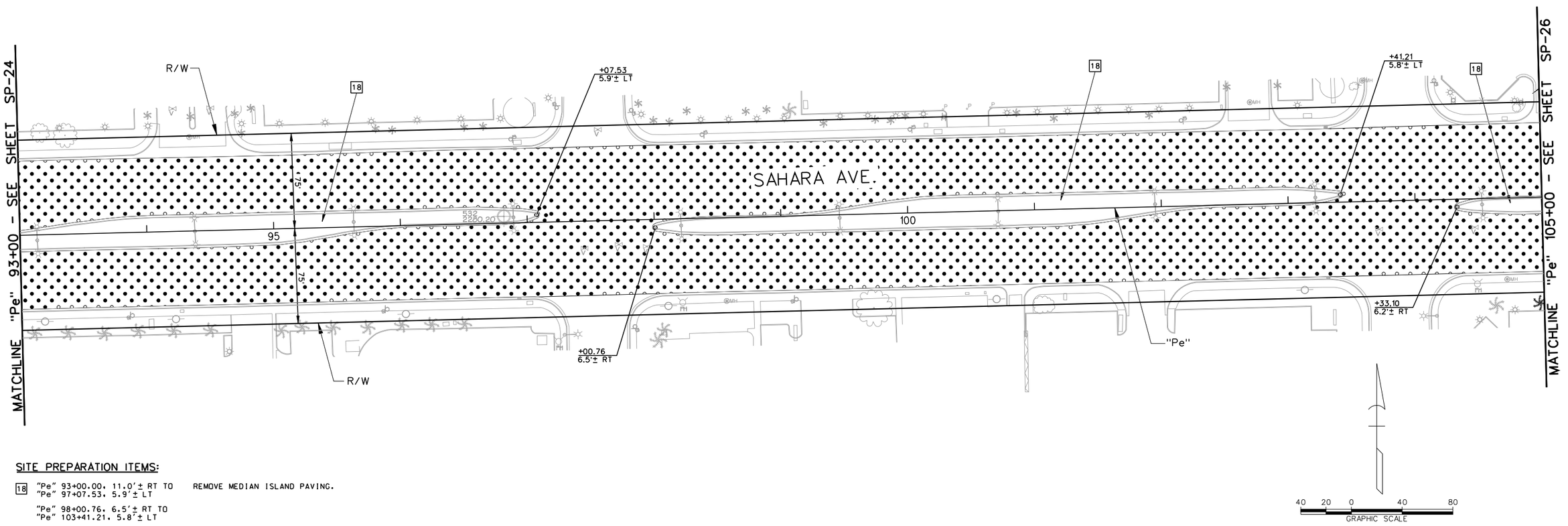
SHEET No. SP-24

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

- LEGEND -

- LIMITS OF REMOVAL (COLD MILLING) (1")
- LIMITS OF REMOVAL (COLD MILLING) (VARYING DEPTH)
- LIMITS OF ROADWAY EXCAVATION
- LIMITS OF SIDEWALK REMOVAL
- LIMITS OF MEDIAN REMOVAL
- LIMITS OF LANDSCAPE REMOVAL



SITE PREPARATION ITEMS:

18 "Pe" 93+00.00, 11.0'± RT TO "Pe" 97+07.53, 5.9'± LT — REMOVE MEDIAN ISLAND PAVING.

"Pe" 98+00.76, 6.5'± RT TO "Pe" 103+41.21, 5.8'± LT

"Pe" 104+33.10, 6.2'± RT TO "Pe" 105+00.00, 11.0'± RT

Call 811 or 1-800-227-2600

FAST Call before you UnderGround 1-702-432-5300

CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

SITE PREPARATION PLAN

"Pe" 93+00 to "Pe" 105+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: JSD CHECKED BY: KK
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. SP-25

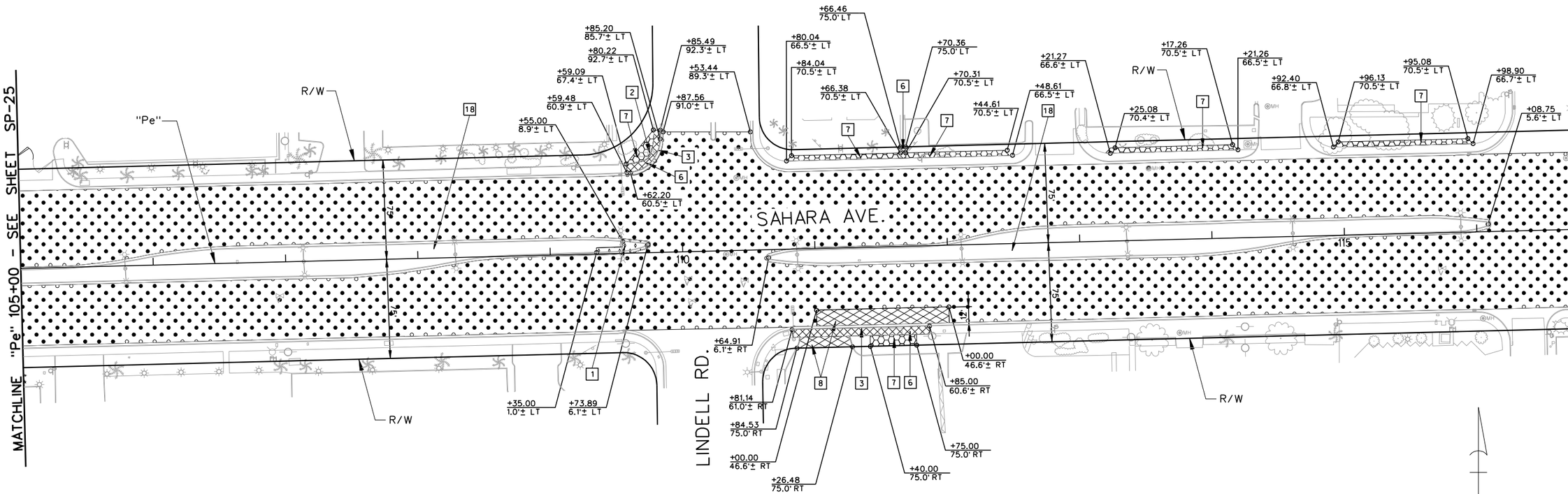
Sheet 33 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

- LEGEND -

- LIMITS OF REMOVAL (COLD MILLING) (1")
- LIMITS OF REMOVAL (COLD MILLING) (VARYING DEPTH)
- LIMITS OF ROADWAY EXCAVATION
- LIMITS OF SIDEWALK REMOVAL
- LIMITS OF MEDIAN REMOVAL
- LIMITS OF LANDSCAPE REMOVAL



SITE PREPARATION ITEMS:

[1] "Pe" 109+35.00. 1.0'± LT TO "Pe" 109+55.00. 8.9'± LT — REMOVE MEDIAN ISLAND INCLUDING CURB AND LANDSCAPE.

[2] "Pe" 109+59.09. 67.4'± LT TO "Pe" 109+80.22. 92.7'± LT — REMOVE ISLAND CURB.

[3] "Pe" 109+62.20. 60.5'± LT TO "Pe" 109+85.20. 85.7'± LT
"Pe" 110+81.14. 61.0'± RT TO "Pe" 111+85.00. 60.6'± RT — REMOVE CURB AND GUTTER.

[6] "Pe" 109+59.48. 60.9'± LT TO "Pe" 109+85.49. 92.3'± LT
"Pe" 111+66.46. 75.0' LT TO "Pe" 111+70.36. 75.0' LT
"Pe" 110+81.14. 61.0'± RT TO "Pe" 111+85.00. 60.6'± RT — REMOVE SIDEWALK.

[7] "Pe" 109+59.09. 67.4'± LT TO "Pe" 109+80.22. 92.7'± LT
"Pe" 110+80.04. 66.5'± LT TO "Pe" 111+66.38. 70.5'± LT
"Pe" 111+70.31. 70.5'± LT TO "Pe" 112+48.61. 66.5'± LT
"Pe" 113+21.27. 66.6'± LT TO "Pe" 114+21.26. 66.5'± LT
"Pe" 114+92.40. 66.8'± LT TO "Pe" 115+98.90. 66.7'± LT
"Pe" 111+40.00. 75.0' RT TO "Pe" 111+75.00. 75.0' RT — REMOVE LANDSCAPE AND RESTORE IRRIGATION.

[8] "Pe" 110+84.53. 75.0' RT TO "Pe" 111+26.48. 75.0' RT
"Pe" 111+00.00. 46.6'± RT TO "Pe" 112+00.00. 46.6'± RT — ROADWAY EXCAVATION.

[18] "Pe" 105+00.00. 11.0'± RT TO "Pe" 109+73.89. 6.1'± LT
"Pe" 110+64.91. 6.1'± RT TO "Pe" 116+08.75. 5.6'± LT — REMOVE MEDIAN ISLAND PAVING.

Call 811 or 1-800-227-2600 — FAST Call before you UnderGround 1-702-432-5300 FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION — AVOID HITTING OVERHEAD POWERLINES, IT'S COSTLY. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

SITE PREPARATION PLAN

"Pe" 105+00 to "Pe" 117+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: JSD CHECKED BY: KK
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

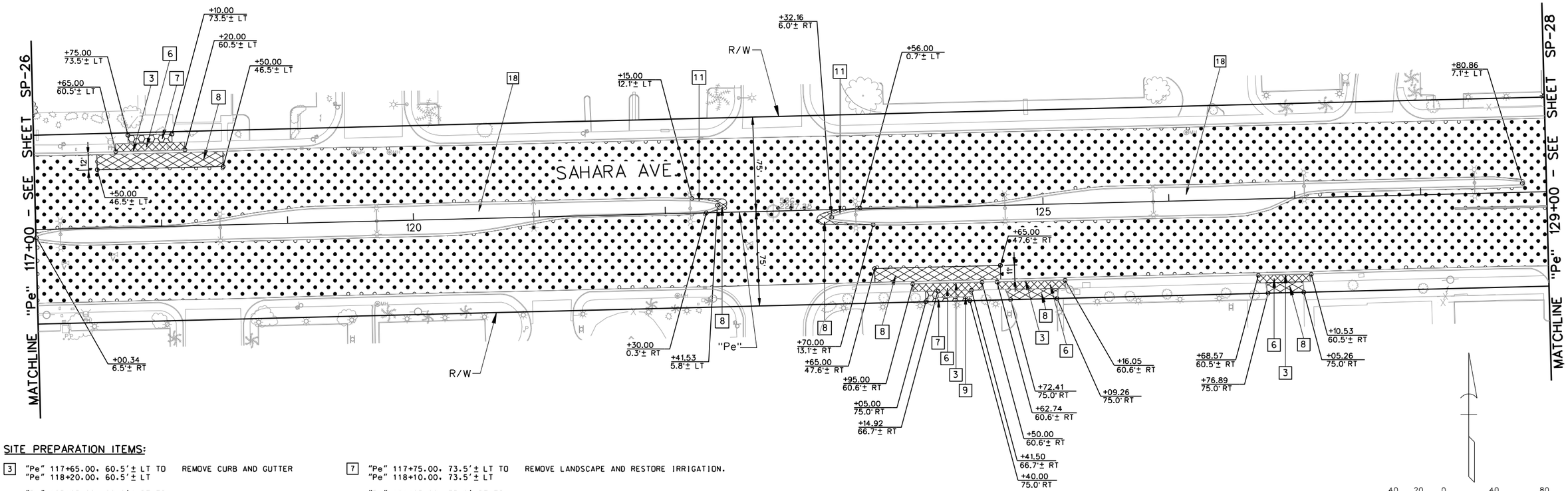
SHEET No. SP-26

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

- LEGEND -

- LIMITS OF REMOVAL (COLD MILLING) (1")
- LIMITS OF REMOVAL (COLD MILLING) (VARYING DEPTH)
- LIMITS OF ROADWAY EXCAVATION
- LIMITS OF SIDEWALK REMOVAL
- LIMITS OF MEDIAN REMOVAL
- LIMITS OF LANDSCAPE REMOVAL



SITE PREPARATION ITEMS:

[3] "Pe" 117+65.00. 60.5'± LT TO "Pe" 118+20.00. 60.5'± LT — REMOVE CURB AND GUTTER
"Pe" 123+95.00. 60.6'± RT TO "Pe" 124+50.00. 60.6'± RT
"Pe" 124+62.74. 60.6'± RT TO "Pe" 125+16.05. 60.6'± RT
"Pe" 126+68.57. 60.5'± RT TO "Pe" 127+10.53. 60.5'± RT

[6] "Pe" 117+65.00. 60.5'± LT TO "Pe" 118+20.00. 60.5'± LT — REMOVE SIDEWALK
"Pe" 123+95.00. 60.6'± RT TO "Pe" 124+50.00. 60.6'± RT
"Pe" 124+62.74. 60.6'± RT TO "Pe" 125+16.05. 60.6'± RT
"Pe" 126+68.57. 60.5'± RT TO "Pe" 127+10.53. 60.5'± RT

[7] "Pe" 117+75.00. 73.5'± LT TO "Pe" 118+10.00. 73.5'± LT — REMOVE LANDSCAPE AND RESTORE IRRIGATION.
"Pe" 124+05.00. 75.0' RT TO "Pe" 124+40.00. 75.0' RT

[8] "Pe" 117+50.00. 46.5'± LT TO "Pe" 118+50.00. 46.5'± LT — ROADWAY EXCAVATION.
"Pe" 122+15.00. 12.1'± LT TO "Pe" 122+30.00. 0.3'± RT
"Pe" 123+56.00. 0.7'± LT TO "Pe" 123+70.00. 13.1'± RT
"Pe" 123+65.00. 47.6'± RT TO "Pe" 124+65.00. 47.6'± RT
"Pe" 124+72.41. 75.0' RT TO "Pe" 125+09.26. 75.0' RT
"Pe" 126+76.89. 75.0' RT TO "Pe" 127+05.26. 75.0' RT

[9] "Pe" 124+14.92. 66.7'± RT TO "Pe" 124+41.50. 66.7'± RT — REMOVE BLOCKWALL.

[11] "Pe" 122+15.00. 12.1'± LT TO "Pe" 122+30.00. 0.3'± RT — REMOVE MEDIAN ISLAND CURB AND GUTTER.
"Pe" 123+56.00. 0.7'± LT TO "Pe" 123+70.00. 13.1'± RT

[18] "Pe" 117+00.34. 6.5'± RT TO "Pe" 122+41.53. 5.8'± LT — REMOVE MEDIAN ISLAND PAVING.
"Pe" 123+32.16. 6.0'± RT TO "Pe" 128+80.86. 7.1'± LT

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call 811 OR 1-800-227-2600
FAST — Call before you UnderGround 1-702-432-5300 — FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION
AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
A	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

SITE PREPARATION PLAN

"Pe" 117+00 to "Pe" 129+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: JSD CHECKED BY: KK
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. SP-27

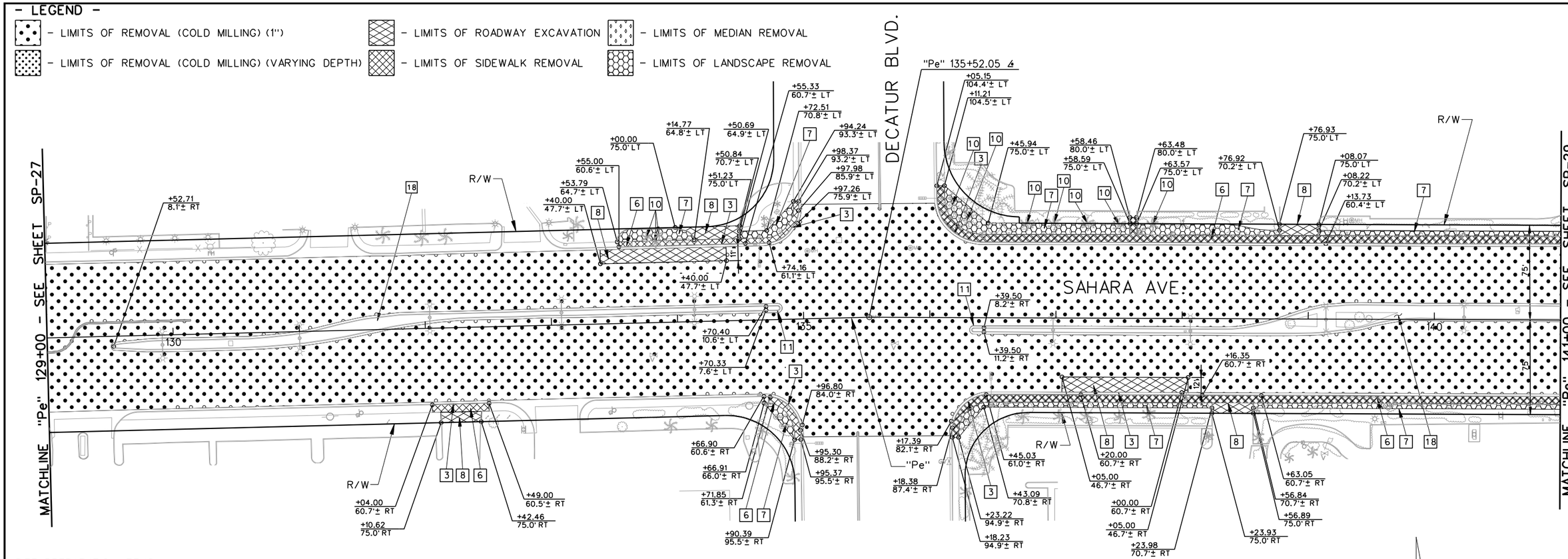
Sheet 35 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

- LEGEND -

- LIMITS OF REMOVAL (COLD MILLING) (1")
- LIMITS OF REMOVAL (COLD MILLING) (VARYING DEPTH)
- LIMITS OF ROADWAY EXCAVATION
- LIMITS OF SIDEWALK REMOVAL
- LIMITS OF MEDIAN REMOVAL
- LIMITS OF LANDSCAPE REMOVAL



SITE PREPARATION ITEMS:

[3] "Pe" 133+55.00. 60.6'± LT TO "Pe" 134+55.33. 60.7'± LT
"Pe" 134+74.16. 61.1'± LT TO "Pe" 134+97.98. 85.9'± LT
"Pe" 136+05.15. 104.4'± LT TO "Pe" 139+13.73. 60.4'± LT
"Pe" 132+04.00. 60.7'± RT TO "Pe" 132+49.00. 60.5'± RT
"Pe" 134+71.85. 61.3'± RT TO "Pe" 134+95.30. 88.2'± RT
"Pe" 136+18.38. 87.4'± RT TO "Pe" 136+45.03. 61.0'± RT
"Pe" 137+20.00. 60.7'± RT TO "Pe" 138+00.00. 60.7'± RT
REMOVE CURB AND GUTTER.

[6] "Pe" 133+55.00. 60.7'± LT TO "Pe" 134+98.37. 93.2'± LT
"Pe" 136+05.15. 104.4'± LT TO "Pe" 141+00.00. 60.4'± LT
"Pe" 132+04.00. 60.7'± RT TO "Pe" 132+49.00. 60.5'± RT
"Pe" 134+66.90. 60.6'± RT TO "Pe" 134+95.37. 95.5'± RT
"Pe" 136+18.23. 94.9'± RT TO "Pe" 141+00.00. 60.7'± RT
REMOVE SIDEWALK.

[7] "Pe" 133+53.79. 64.7'± LT TO "Pe" 134+14.77. 64.8'± LT
"Pe" 134+50.84. 70.7'± LT TO "Pe" 134+94.24. 93.3'± LT
"Pe" 136+11.21. 104.5'± LT TO "Pe" 137+58.59. 75.0'± LT
"Pe" 137+63.57. 75.0' ± LT TO "Pe" 138+76.92. 70.2' ± LT
"Pe" 139+08.22. 70.2'± LT TO "Pe" 141+00.00. 70.2'± LT
"Pe" 134+66.91. 66.0'± RT TO "Pe" 134+90.39. 95.5'± RT
"Pe" 136+23.22. 94.9'± RT TO "Pe" 138+23.98. 70.7'± RT
"Pe" 138+56.84. 70.7'± RT TO "Pe" 141+00.00. 70.7'± RT
REMOVE LANDSCAPE AND RESTORE IRRIGATION.

[8] "Pe" 133+40.00. 47.7'± LT TO "Pe" 134+40.00. 47.7'± LT
"Pe" 133+00.00. 75.0' LT TO "Pe" 134+51.23. 75.0' LT
"Pe" 138+76.93. 75.0' LT TO "Pe" 139+08.07. 75.0' LT
"Pe" 132+10.62. 75.0' RT TO "Pe" 132+42.46. 75.0' RT
"Pe" 137+05.00. 46.7'± RT TO "Pe" 138+05.00. 46.7'± RT
"Pe" 138+23.98. 75.0' RT TO "Pe" 138+56.89. 75.0' RT
ROADWAY EXCAVATION.

[10] "Pe" 133+77.30. 67.9'± LT
"Pe" 133+84.32. 63.6'± LT
"Pe" 133+86.70. 69.2'± LT
"Pe" 136+18.00. 89.9'± LT
"Pe" 136+29.00. 76.4'± LT
"Pe" 136+77.00. 74.5'± LT
"Pe" 137+00.00. 75.0'± LT
"Pe" 137+25.00. 75.0'± LT
"Pe" 137+50.00. 75.0'± LT
"Pe" 137+75.00. 75.0'± LT
REMOVE TREE.

[11] "Pe" 134+70.40. 10.6'± LT TO "Pe" 134+70.33. 7.6'± LT
"Pe" 136+39.50. 8.2'± RT TO "Pe" 136+39.50. 11.2'± RT
REMOVE ISLAND CURB AND GUTTER.

[18] "Pe" 129+52.71. 8.1'± RT TO "Pe" 134+81.00. 7.6'± LT
"Pe" 136+34.00. 8.2'± RT TO "Pe" 141+00.00. 0.9'± LT
REMOVE MEDIAN ISLAND PAVING.

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call 811 OR 1-800-227-2600

FAST Call before you UnderGround 1-702-432-5300 FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DIG OVERHEAD 1-702-227-2929

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

SITE PREPARATION PLAN

"Pe" 129+00 to "Pe" 141+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No:	CB 1083	DRAWN BY:	GFV
DESIGNED BY:	JSD	CHECKED BY:	KK
APPROVED BY	RJP		

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. SP-28

Sheet 36 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

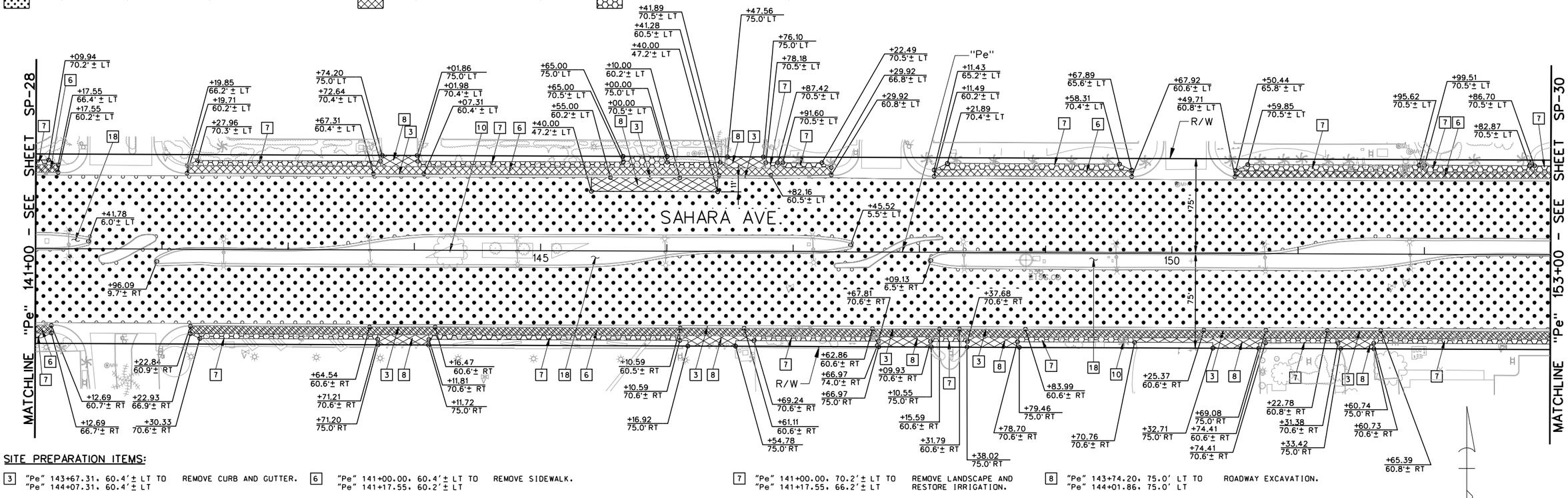
AS - BUILT - 05.31.2012

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

- LEGEND -

- LIMITS OF REMOVAL (COLD MILLING) (1")
- LIMITS OF REMOVAL (COLD MILLING) (VARYING DEPTH)
- LIMITS OF ROADWAY EXCAVATION
- LIMITS OF SIDEWALK REMOVAL
- LIMITS OF MEDIAN REMOVAL
- LIMITS OF LANDSCAPE REMOVAL



SITE PREPARATION ITEMS:

[3] "Pe" 143+67.31, 60.4'± LT TO "Pe" 144+07.31, 60.4'± LT — REMOVE CURB AND GUTTER.
"Pe" 145+55.00, 60.2'± LT TO "Pe" 146+10.00, 60.2'± LT
"Pe" 146+41.28, 60.5'± LT TO "Pe" 146+82.16, 60.5'± LT
"Pe" 143+64.54, 60.6'± RT TO "Pe" 144+16.47, 60.6'± RT
"Pe" 146+10.59, 60.5'± RT TO "Pe" 146+61.11, 60.6'± RT
"Pe" 147+62.86, 60.6'± RT TO "Pe" 148+15.59, 60.6'± RT
"Pe" 148+31.79, 60.6'± RT TO "Pe" 148+83.99, 60.6'± RT
"Pe" 150+25.37, 60.6'± RT TO "Pe" 150+74.41, 60.6'± RT
"Pe" 151+22.78, 60.8'± RT TO "Pe" 151+65.39, 60.8'± RT

[6] "Pe" 141+00.00, 60.4'± LT TO "Pe" 141+17.55, 60.2'± LT — REMOVE SIDEWALK.
"Pe" 142+19.71, 60.2'± LT TO "Pe" 147+29.92, 60.8'± LT
"Pe" 148+11.49, 60.2'± LT TO "Pe" 149+67.92, 60.6'± LT
"Pe" 150+49.71, 60.8'± LT TO "Pe" 153+00.00, 60.4'± LT
"Pe" 141+00.00, 60.7'± RT TO "Pe" 141+12.69, 66.7'± RT
"Pe" 142+22.84, 60.9'± RT TO "Pe" 153+00.00, 60.7'± RT

[7] "Pe" 141+00.00, 70.2'± LT TO "Pe" 141+17.55, 66.2'± LT — REMOVE LANDSCAPE AND RESTORE IRRIGATION.
"Pe" 142+19.85, 66.2'± LT TO "Pe" 143+72.64, 70.4'± LT
"Pe" 144+01.98, 70.4'± LT TO "Pe" 146+41.89, 70.5'± LT
"Pe" 146+78.18, 70.5'± LT TO "Pe" 146+87.42, 70.5'± LT
"Pe" 146+91.60, 70.5' ± LT TO "Pe" 147+29.92, 66.8' ± RT
"Pe" 148+11.43, 65.2'± LT TO "Pe" 149+67.89, 65.6'± LT
"Pe" 150+50.44, 65.8'± LT TO "Pe" 151+95.62, 70.5'± LT
"Pe" 151+99.51, 70.5'± LT TO "Pe" 152+82.87, 70.5'± LT
"Pe" 152+86.70, 70.5'± LT TO "Pe" 153+00.00, 70.5'± LT
"Pe" 141+00.00, 70.7'± RT TO "Pe" 141+12.69, 66.7'± RT
"Pe" 142+22.93, 66.9'± RT TO "Pe" 143+71.21, 70.6'± RT
"Pe" 144+11.81, 70.6'± RT TO "Pe" 146+10.59, 70.6'± RT
"Pe" 146+69.24, 70.6'± RT TO "Pe" 147+67.81, 70.6'± RT
"Pe" 148+09.93, 70.6'± RT TO "Pe" 148+37.68, 70.6'± RT
"Pe" 148+78.70, 70.6'± RT TO "Pe" 149+70.76, 70.6'± RT
"Pe" 150+74.41, 70.6'± RT TO "Pe" 151+31.38, 70.6'± RT
"Pe" 151+60.73, 70.6'± RT TO "Pe" 153+00.00, 70.6'± RT

[8] "Pe" 143+74.20, 75.0' LT TO "Pe" 144+01.86, 75.0' LT — ROADWAY EXCAVATION.
"Pe" 145+40.00, 47.2'± LT TO "Pe" 146+40.00, 47.2'± LT
"Pe" 146+47.56, 75.0' LT TO "Pe" 146+76.10, 75.0' LT
"Pe" 143+71.20, 75.0' RT TO "Pe" 144+11.72, 75.0' RT
"Pe" 146+10.59, 70.6'± RT TO "Pe" 146+69.24, 70.6'± RT
"Pe" 147+68.11, 75.0' RT TO "Pe" 148+10.55, 75.0' RT
"Pe" 148+38.02, 75.0' RT TO "Pe" 148+79.46, 75.0' RT
"Pe" 149+70.76, 70.6'± RT TO "Pe" 150+74.41, 70.6'± RT
"Pe" 151+33.42, 75.0' RT TO "Pe" 151+60.74, 75.0' RT

[10] "Pe" 144+28.31, 1.1'± RT — REMOVE TREE.
"Pe" 149+62.13, 70.1'± RT

[18] "Pe" 141+00.00, 0.9' RT ± TO "Pe" 141+41.78, 6.0' LT ± — REMOVE MEDIAN ISLAND PAVING.
"Pe" 141+96.09, 9.7'± RT TO "Pe" 147+45.52, 5.5'± LT
"Pe" 148+09.13, 6.5'± RT TO "Pe" 153+00.00, 5.4'± LT

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call 811 or 1-800-227-2600
FAST Call before you UnderGround 1-702-432-5300 FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION
AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

SITE PREPARATION PLAN

"Pe" 141+00 to "Pe" 153+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No:	CB 1083	DRAWN BY:	GFV
DESIGNED BY:	JSD	CHECKED BY:	KK
APPROVED BY	RJP		

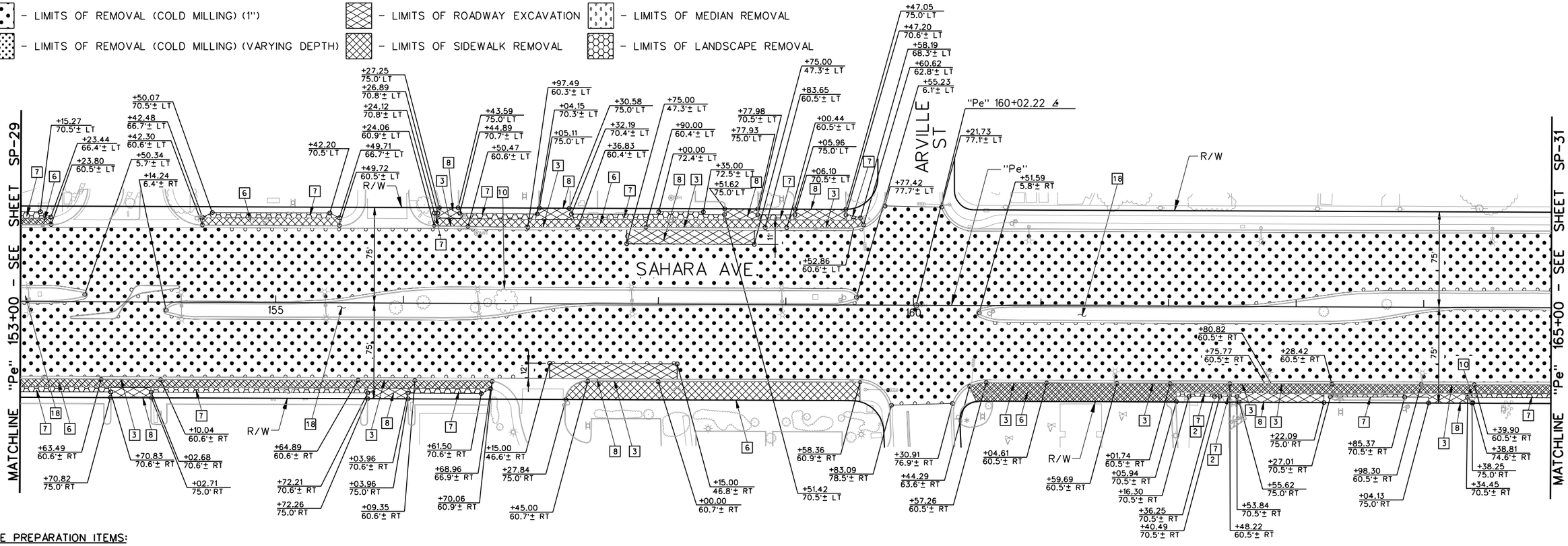
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: NONE
VERT: NONE
FIELD BOOK: NONE

SHEET No. SP-29

- LEGEND -

- LIMITS OF REMOVAL (COLD MILLING) (1")
- LIMITS OF REMOVAL (COLD MILLING) (VARYING DEPTH)
- LIMITS OF ROADWAY EXCAVATION
- LIMITS OF SIDEWALK REMOVAL
- LIMITS OF MEDIAN REMOVAL
- LIMITS OF LANDSCAPE REMOVAL



SITE PREPARATION ITEMS:

[2] "Pe" 162+16.30. 70.6'± RT TO "Pe" 162+36.25. 70.6'± RT — REMOVE ISLAND CURB.
"Pe" 162+40.48. 70.6'± RT TO "Pe" 162+53.90. 70.6'± RT

[3] "Pe" 156+24.06. 60.9'± LT TO "Pe" 156+50.47. 60.6'± LT — REMOVE CURB AND GUTTER
"Pe" 156+97.49. 60.3'± LT TO "Pe" 157+36.83. 60.4'± LT
"Pe" 157+90.00. 60.4'± LT TO "Pe" 158+83.65. 60.5'± LT
"Pe" 159+00.44. 60.5'± LT TO "Pe" 159+52.88. 60.6'± LT
"Pe" 153+63.49. 60.8'± RT TO "Pe" 154+10.04. 60.6'± RT
"Pe" 155+64.89. 60.6'± RT TO "Pe" 156+09.35. 60.6'± RT
"Pe" 157+45.00. 60.7'± RT TO "Pe" 158+00.00. 60.7'± RT
"Pe" 160+57.26. 60.5'± RT TO "Pe" 161+04.61. 60.5'± RT
"Pe" 161+59.69. 60.5'± RT TO "Pe" 162+01.74. 60.5'± RT

[3] "Pe" 162+48.22. 60.5'± RT TO "Pe" 163+75.53. 60.5'± RT — REMOVE CURB AND GUTTER
"Pe" 162+80.82. 60.5± RT TO "Pe" 163+28.42. 60.5'± RT
"Pe" 163+98.30. 60.5'± RT TO "Pe" 164+39.90. 60.5'± RT

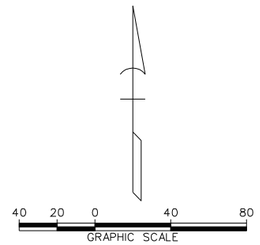
[6] "Pe" 153+00.00. 60.4'± LT TO "Pe" 153+23.79. 60.5'± LT — REMOVE SIDEWALK.
"Pe" 154+42.30. 60.6'± LT TO "Pe" 155+49.72. 60.5'± LT
"Pe" 156+24.06. 60.9'± LT TO "Pe" 159+60.62. 62.8'± LT
"Pe" 153+00.00. 60.7'± RT TO "Pe" 156+70.06. 60.9'± RT
"Pe" 157+27.84. 75.0'± RT TO "Pe" 159+58.36. 60.9'± RT
"Pe" 160+44.29. 63.6'± RT TO "Pe" 165+00.00. 60.5'± RT

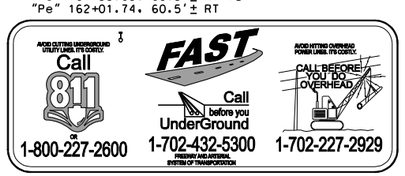
[7] "Pe" 153+00.00. 70.5'± LT TO "Pe" 153+23.44. 66.4'± LT — REMOVE LANDSCAPE AND RESTORE IRRIGATION.
"Pe" 154+42.48. 66.6'± LT TO "Pe" 155+49.71. 66.7'± LT
"Pe" 156+24.12. 70.8'± LT TO "Pe" 156+26.89. 70.8'± LT
"Pe" 156+44.89. 70.7'± LT TO "Pe" 157+04.15. 70.3'± LT
"Pe" 157+32.19. 70.4'± LT TO "Pe" 158+51.42. 70.5'± LT
"Pe" 158+77.98. 70.5'± LT TO "Pe" 159+06.10. 70.5'± LT
"Pe" 159+47.20. 70.6'± LT TO "Pe" 159+58.19. 68.3'± LT
"Pe" 153+00.00. 70.6'± RT TO "Pe" 153+70.82. 70.6'± RT
"Pe" 154+02.68. 70.6'± RT TO "Pe" 155+72.21. 70.6'± RT
"Pe" 156+03.96. 70.6'± RT TO "Pe" 156+68.96. 66.9'± RT
"Pe" 162+05.94. 70.5'± RT TO "Pe" 162+36.25. 70.5'± RT
"Pe" 162+40.49. 70.5'± RT TO "Pe" 162+53.84. 70.5'± RT
"Pe" 163+27.01. 70.5'± RT TO "Pe" 163+85.37. 70.5'± RT
"Pe" 164+34.45. 70.5'± RT TO "Pe" 165+00.00. 70.6'± RT

[8] "Pe" 156+27.25. 75.0' LT TO "Pe" 156+43.59. 75.0' LT — ROADWAY EXCAVATION.
"Pe" 157+05.11. 75.0' LT TO "Pe" 157+30.58. 75.0' LT
"Pe" 157+75.00. 47.3'± LT TO "Pe" 158+75.00. 47.3'± LT
"Pe" 158+51.62. 75.0' LT TO "Pe" 158+77.93. 75.0' LT
"Pe" 159+05.96. 75.0' LT TO "Pe" 159+47.05. 75.0' LT
"Pe" 153+70.82. 75.0 RT TO "Pe" 154+02.71. 75.0' RT
"Pe" 155+72.26. 75.0' RT TO "Pe" 156+03.96. 75.0' RT
"Pe" 157+15.00. 46.6'± RT TO "Pe" 158+15.00. 46.8'± RT
"Pe" 162+55.62. 75.0' RT TO "Pe" 163+22.09. 75.0' RT
"Pe" 163+85.37. 70.5'± RT TO "Pe" 164+38.81. 74.6'± RT

[10] "Pe" 156+80.21. 2.4'± LT / "Pe" 163+34.15. 71.0'± RT — REMOVE TREE.

[18] "Pe" 153+00.00. 5.9'± LT TO "Pe" 153+50.34. 5.7'± LT — REMOVE MEDIAN ISLAND PAVING.
"Pe" 154+14.24. 6.4'± RT TO "Pe" 159+55.23. 6.1'± LT
"Pe" 160+51.59. 5.8'± RT TO "Pe" 165+00.00. 6.1'± LT





AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

SITE PREPARATION PLAN

"Pe" 153+00 to "Pe" 165+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: JSD CHECKED BY: KK
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. SP-30

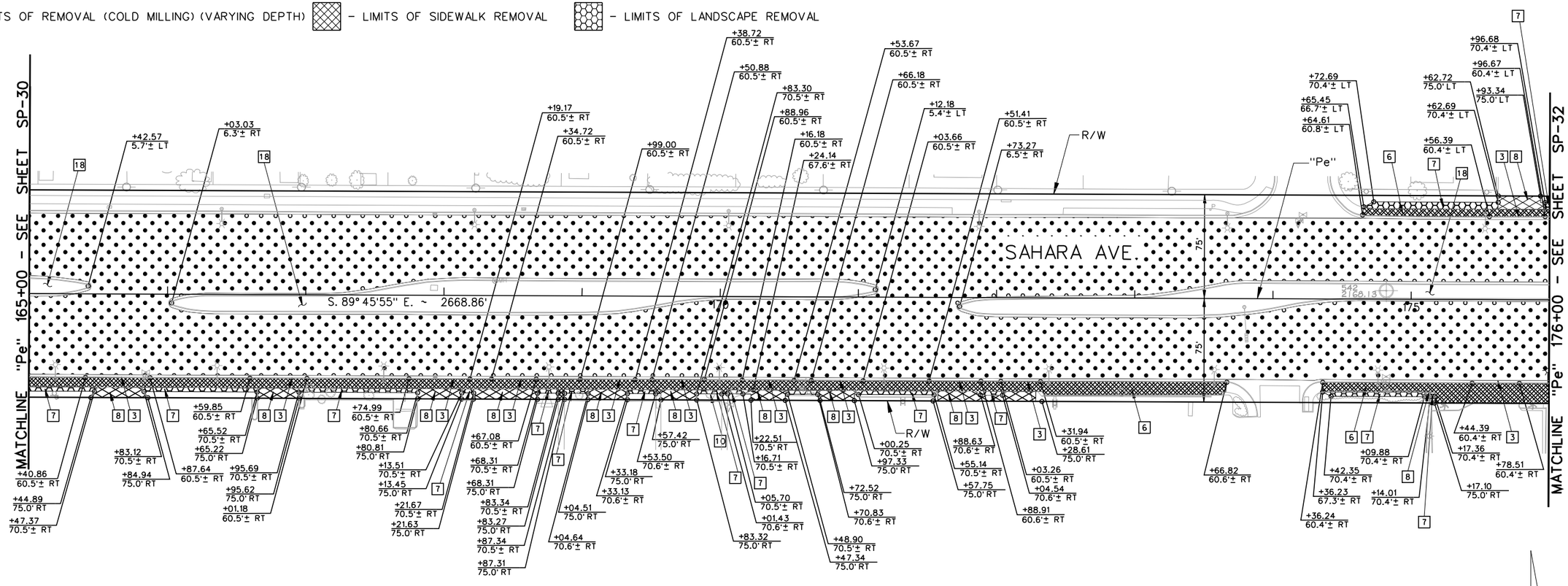
Sheet 38 of 592

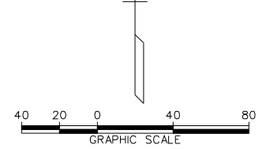
SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

- LEGEND -

- LIMITS OF REMOVAL (COLD MILLING) (1")
- LIMITS OF REMOVAL (COLD MILLING) (VARYING DEPTH)
- LIMITS OF ROADWAY EXCAVATION
- LIMITS OF SIDEWALK REMOVAL
- LIMITS OF MEDIAN REMOVAL
- LIMITS OF LANDSCAPE REMOVAL





SITE PREPARATION ITEMS:

[3] "Pe" 175+56.39, 60.4'± LT TO "Pe" 175+96.67, 60.4'± LT — REMOVE CURB AND GUTTER.
"Pe" 165+40.86, 60.5'± RT TO "Pe" 156+87.64, 60.5'± RT
"Pe" 166+59.85, 60.5'± RT TO "Pe" 167+01.18, 60.5'± RT
"Pe" 167+74.99, 60.5'± RT TO "Pe" 168+19.17, 60.5'± RT
"Pe" 168+34.72, 60.5'± RT TO "Pe" 168+67.08, 60.5'± RT
"Pe" 168+99.00, 60.5'± RT TO "Pe" 169+38.72, 60.5'± RT
"Pe" 169+50.88, 60.5'± RT TO "Pe" 168+88.96, 60.5'± RT
"Pe" 170+16.18, 60.5'± RT TO "Pe" 170+53.67, 60.5'± RT
"Pe" 170+66.18, 60.5'± RT TO "Pe" 171+03.66, 60.5'± RT

[3] "Pe" 171+51.41, 60.5'± RT TO "Pe" 171+88.91, 60.6'± RT — REMOVE CURB AND GUTTER.
"Pe" 172+03.26, 60.5'± RT TO "Pe" 172+31.94, 60.5'± RT
"Pe" 175+44.39, 60.4'± RT TO "Pe" 175+78.51, 60.4'± RT

[6] "Pe" 174+64.61, 60.8'± LT TO "Pe" 176+00.00, 60.4'± LT — REMOVE SIDEWALK.
"Pe" 165+00.00, 60.4'± RT TO "Pe" 173+66.82, 60.6'± RT
"Pe" 174+36.24, 60.4'± RT TO "Pe" 176+00.00, 60.5'± RT

[7] "Pe" 174+65.45, 66.7'± LT TO "Pe" 175+62.69, 70.4'± LT — REMOVE LANDSCAPE AND RESTORE IRRIGATION.
"Pe" 175+96.68, 70.4'± LT TO "Pe" 176+00.00, 70.4'± LT
"Pe" 165+00.00, 70.6'± RT TO "Pe" 165+47.37, 70.5'± RT
"Pe" 165+83.12, 70.5'± RT TO "Pe" 166+65.52, 70.6'± RT
"Pe" 166+95.69, 70.5'± RT TO "Pe" 167+80.66, 70.5'± RT
"Pe" 168+13.51, 70.5'± RT TO "Pe" 168+21.67, 70.5'± RT
"Pe" 168+68.31, 70.5'± RT TO "Pe" 168+83.34, 70.5'± RT

[7] "Pe" 168+87.34, 70.5'± RT TO "Pe" 169+04.64, 70.6'± RT — REMOVE LANDSCAPE AND RESTORE IRRIGATION.
"Pe" 169+33.13, 70.6'± RT TO "Pe" 169+53.50, 70.6'± RT
"Pe" 169+83.30, 70.5'± RT TO "Pe" 170+01.43, 70.6'± RT
"Pe" 170+05.70, 70.5'± RT TO "Pe" 170+24.14, 67.6'± RT
"Pe" 171+00.25, 70.5'± RT TO "Pe" 171+55.14, 70.5'± RT
"Pe" 171+88.63, 70.6'± RT TO "Pe" 172+04.54, 70.6'± RT
"Pe" 174+36.23, 67.3'± RT TO "Pe" 175+09.88, 70.4'± RT
"Pe" 175+14.01, 70.4'± RT TO "Pe" 175+17.36, 70.4'± RT

[8] "Pe" 175+62.72, 75.0' LT TO "Pe" 175+93.34, 75.0' LT — ROADWAY EXCAVATION.
"Pe" 165+44.89, 75.0' RT TO "Pe" 165+84.94, 75.0' RT
"Pe" 166+65.22, 75.0' RT TO "Pe" 166+95.62, 75.0' RT
"Pe" 167+80.81, 75.0' RT TO "Pe" 168+13.45, 75.0' RT
"Pe" 168+21.63, 75.0' RT TO "Pe" 168+68.31, 75.0' RT

[8] "Pe" 169+04.51, 75.0' RT TO "Pe" 169+33.18, 75.0' RT
"Pe" 169+57.42, 75.0' RT TO "Pe" 169+83.32, 75.0' RT
"Pe" 170+16.71, 70.5'± RT TO "Pe" 170+48.90, 70.5'± RT — ROADWAY EXCAVATION.
"Pe" 170+70.83, 70.6'± RT TO "Pe" 171+00.25, 70.6'± RT
"Pe" 171+57.75, 75.0' RT TO "Pe" 172+28.61, 75.0' RT
"Pe" 175+09.88, 70.4'± RT TO "Pe" 175+14.01, 70.4'± RT

[10] "Pe" 169+93.15, 70.7'± RT — REMOVE TREE.

[18] "Pe" 165+00.00, 6.2'± LT TO "Pe" 165+42.57, 5.7'± LT — REMOVE MEDIAN ISLAND PAVING.
"Pe" 166+03.03, 6.3'± RT TO "Pe" 171+12.18, 5.4'± LT
"Pe" 171+73.27, 6.5'± RT TO "Pe" 176+00.00, 6.5'± LT

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call 811 or 1-800-227-2600

FAST Call before you UnderGround 1-702-432-5300 FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

SITE PREPARATION PLAN

"Pe" 165+00 to "Pe" 176+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: JSD CHECKED BY: KK
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. SP-31

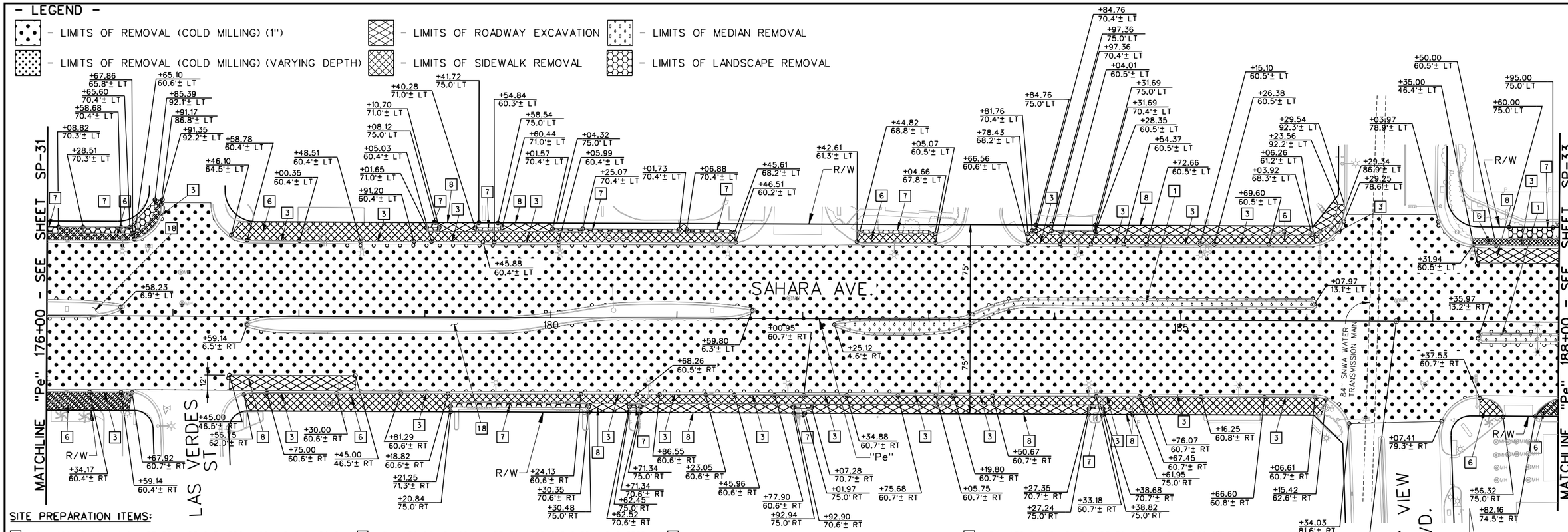
Sheet 39 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

- LEGEND -

- LIMITS OF REMOVAL (COLD MILLING) (1")
- LIMITS OF REMOVAL (COLD MILLING) (VARYING DEPTH)
- LIMITS OF ROADWAY EXCAVATION
- LIMITS OF SIDEWALK REMOVAL
- LIMITS OF MEDIAN REMOVAL
- LIMITS OF LANDSCAPE REMOVAL



SITE PREPARATION ITEMS:

[1] "Pe" 182+25.12. 4.6'± RT TO "Pe" 186+07.97. 13.1'± LT — REMOVE MEDIAN ISLAND INCLUDING CURB AND LANDSCAPE.
"Pe" 187+35.97. 13.2'± RT TO "Pe" 188+00.00. 9.0'± RT

[3] "Pe" 176+65.10. 60.6'± LT TO "Pe" 176+91.17. 86.8'± LT — REMOVE CURB AND GUTTER.
"Pe" 177+58.78. 60.4'± LT TO "Pe" 178+00.35. 60.4'± LT
"Pe" 178+48.51. 60.4'± LT TO "Pe" 178+91.20. 60.4'± LT
"Pe" 179+05.03. 60.4'± LT TO "Pe" 179+45.88. 60.4'± LT
"Pe" 179+54.84. 60.3'± LT TO "Pe" 180+05.99. 60.4'± LT
"Pe" 183+66.56. 60.6'± LT TO "Pe" 184+04.01. 60.6'± LT
"Pe" 184+28.35. 60.5'± LT TO "Pe" 184+54.37. 60.5'± LT
"Pe" 184+72.66. 60.5'± LT TO "Pe" 185+15.10. 60.5'± LT
"Pe" 185+26.38. 60.5'± LT TO "Pe" 185+69.60. 60.5'± LT
"Pe" 186+06.26. 61.2'± LT TO "Pe" 186+29.34. 86.9'± LT
"Pe" 187+50.00. 60.5'± LT TO "Pe" 188+00.00. 60.5'± LT

[3] "Pe" 176+34.17. 60.4'± RT TO "Pe" 176+59.14. 60.4'± RT — REMOVE CURB AND GUTTER.
"Pe" 177+75.00. 60.6'± RT TO "Pe" 178+30.00. 60.6'± RT
"Pe" 178+81.29. 60.6'± RT TO "Pe" 179+18.88. 60.6'± RT
"Pe" 180+24.13. 60.6'± RT TO "Pe" 180+68.26. 60.5'± RT
"Pe" 180+86.55. 60.6'± RT TO "Pe" 181+23.05. 60.6'± RT
"Pe" 181+45.96. 60.6'± RT TO "Pe" 181+77.90. 60.6'± RT
"Pe" 182+00.95. 60.7'± RT TO "Pe" 182+34.88. 60.7'± RT
"Pe" 182+75.68. 60.7'± RT TO "Pe" 183+05.75. 60.7'± RT
"Pe" 183+19.80. 60.7'± RT TO "Pe" 183+50.67. 60.7'± RT
"Pe" 184+33.18. 60.7'± RT TO "Pe" 184+67.45. 60.7'± RT
"Pe" 184+76.07. 60.7'± RT TO "Pe" 185+16.25. 60.8'± RT
"Pe" 185+66.60. 60.8'± RT TO "Pe" 186+06.61. 60.7'± RT

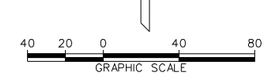
[6] "Pe" 176+00.00. 60.4'± LT TO "Pe" 176+91.35. 92.2'± LT — REMOVE SIDEWALK.
"Pe" 177+46.10. 64.5'± LT TO "Pe" 181+46.51. 60.2'± LT
"Pe" 182+42.61. 61.3'± LT TO "Pe" 183+05.07. 60.5'± LT
"Pe" 183+66.56. 60.6'± LT TO "Pe" 186+29.54. 92.3'± LT
"Pe" 187+31.94. 60.5'± LT TO "Pe" 188+00.00. 60.5'± LT
"Pe" 176+00.00. 60.5'± RT TO "Pe" 176+67.92. 60.7'± RT
"Pe" 177+56.75. 62.0'± RT TO "Pe" 186+15.42. 62.1'± RT
"Pe" 187+37.53. 60.7'± RT TO "Pe" 187+56.32. 75.0'± RT
"Pe" 187+82.16. 74.5'± RT TO "Pe" 188+00.00. 61.2'± RT

[7] "Pe" 176+00.00. 70.4'± LT TO "Pe" 176+08.82. 70.4'± LT — REMOVE LANDSCAPE AND RESTORE IRRIGATION.
"Pe" 176+28.51. 70.3'± LT TO "Pe" 176+85.39. 92.1'± LT
"Pe" 179+01.65. 71.0'± LT TO "Pe" 179+10.70. 71.0'± LT
"Pe" 179+40.28. 71.0'± LT TO "Pe" 179+60.44. 71.0'± LT
"Pe" 180+01.57. 70.4'± LT TO "Pe" 181+01.73. 70.4'± LT
"Pe" 181+06.88. 70.4'± LT TO "Pe" 181+45.61. 68.2'± LT
"Pe" 182+44.82. 68.8'± LT TO "Pe" 183+04.66. 67.8'± LT
"Pe" 187+60.00. 75.0' LT TO "Pe" 187+95.00. 75.0' LT

[7] "Pe" 179+21.25. 71.3'± RT TO "Pe" 180+30.35. 70.6'± RT — REMOVE LANDSCAPE AND RESTORE IRRIGATION.
"Pe" 180+62.52. 70.6'± RT TO "Pe" 180+71.34. 70.6'± RT
"Pe" 181+92.90. 70.6'± RT TO "Pe" 182+07.28. 70.7'± RT
"Pe" 184+27.35. 70.7'± RT TO "Pe" 184+38.68. 70.7'± RT

[8] "Pe" 179+08.12. 75.0' LT TO "Pe" 179+41.72. 75.0' LT — ROADWAY EXCAVATION.
"Pe" 179+58.84. 75.0'± LT TO "Pe" 180+04.32. 75.0'± LT
"Pe" 183+78.43. 68.2'± LT TO "Pe" 186+23.56. 92.2'± LT
"Pe" 187+35.00. 46.4'± LT TO "Pe" 188+00.00. 46.4'± LT
"Pe" 177+45.00. 46.5'± RT TO "Pe" 178+45.00. 46.5'± RT
"Pe" 180+30.48. 75.0' RT TO "Pe" 180+62.45. 75.0' RT
"Pe" 180+71.34. 75.0' RT TO "Pe" 181+92.94. 75.0' RT
"Pe" 182+01.97. 75.0' RT TO "Pe" 184+27.24. 75.0' RT
"Pe" 184+38.82. 75.0' RT TO "Pe" 184+61.95. 75.0' RT

[18] "Pe" 176+00.00. 6.5'± LT TO "Pe" 176+58.23. 6.9'± LT — REMOVE MEDIAN ISLAND PAVING.
"Pe" 177+59.14. 6.5'± RT TO "Pe" 181+59.80. 6.3'± RT



NOTE:
1. SEE SHEET U-32 CONCERNING SNWA MONUMENT.

SNWA CONSTRUCTION NOTES:

CONTRACTOR SHALL FIELD LOCATE AND PROTECT ALL SNWA/SNWS APPURTENANCES INCLUDING, BUT NOT LIMITED TO AVAR, ACCESS MANWAYS AND CATHODIC PROTECTION SYSTEMS. ALL ABOVE GROUND STRUCTURES AND AT GRADE STRUCTURES MUST BE ADJUSTED TO NEW GRADE AT CONTRACTOR'S EXPENSE. CATHODIC PROTECTION TEST STATIONS, RECTIFIERS, AND AVAR'S MUST BE RELOCATED TO THE SIDEWALK PER SNWA STANDARDS AND AT THE CONTRACTOR'S EXPENSE. CONTRACTOR TO NOTIFY SOUTHERN NEVADA WATER AUTHORITY, DEVELOPMENT PLAN REVIEW, AT (702) 862-3444 AT LEAST 48 HOURS PRIOR TO CONSTRUCTION ACTIVITY.

THIS DATA MAY BE BASED ON THE NATIONAL GEODETIC VERTICAL DATUM OF 1929. IT IS THE ENGINEER'S RESPONSIBILITY TO ENSURE THAT THIS DATA IS CONVERTED TO THE APPROPRIATE DATUM BEFORE USING SAID DATA.

APPROVED BY:

Signature On File 3/3/2011
SOUTHERN NEVADA WATER AUTHORITY DATE

SNWA APPROVAL IS VALID FOR ONE (1) YEAR FROM THE SIGNATURE DATE. IF CONSTRUCTION WITHIN THE EASEMENT OR RESTRICTED PIPE SAFETY ZONE IS NOT COMPLETE, PLANS MUST BE RESUBMITTED TO SNWA FOR APPROVAL.

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY.
Call 811 OR 1-800-227-2600

FAST
Call before you UnderGround
1-702-432-5300
FREEWAY AND NATIONAL SYSTEM OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY.
CALL BEFORE YOU DIG OVERHEAD
1-702-227-2929

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

AS - BUILT - 05.31.2012

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

SITE PREPARATION PLAN

"Pe" 176+00 to "Pe" 188+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: JSD CHECKED BY: KK
APPROVED BY RJP

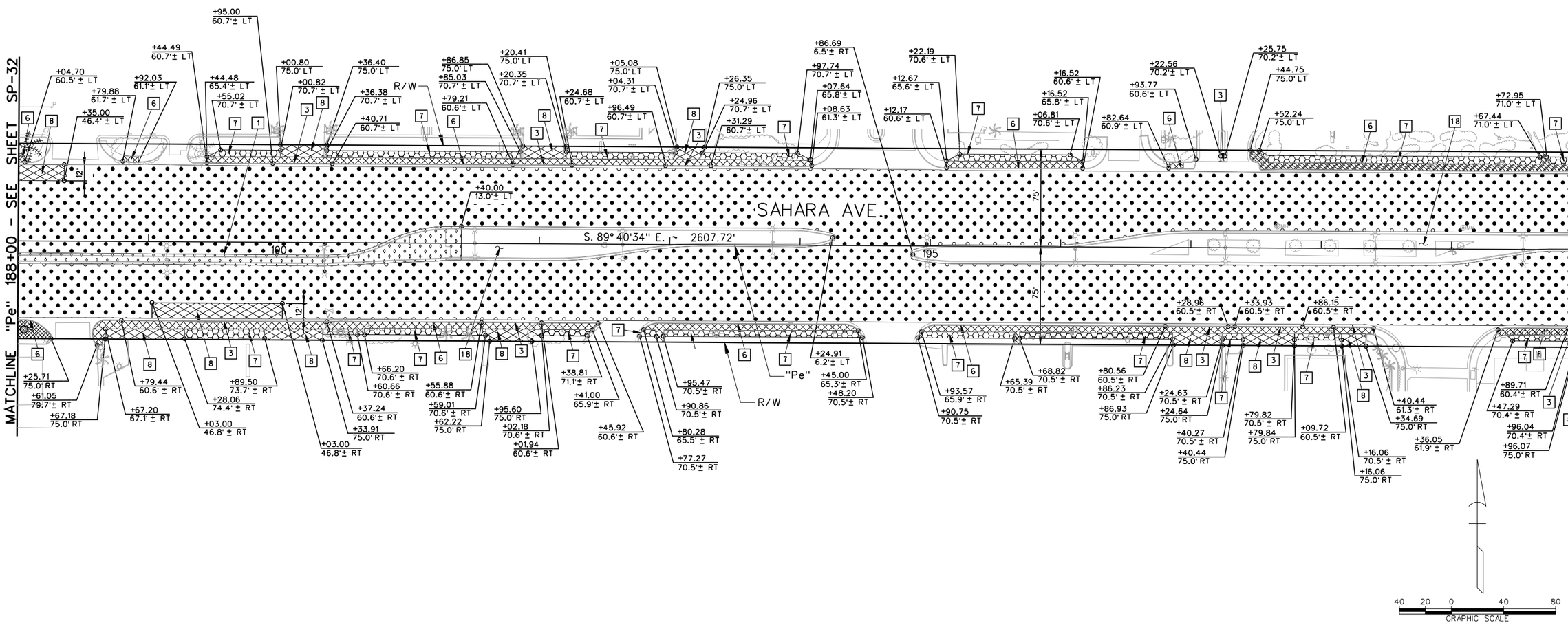
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. SP-32

- LEGEND -

- LIMITS OF REMOVAL (COLD MILLING) (1")
- LIMITS OF REMOVAL (COLD MILLING) (VARYING DEPTH)
- LIMITS OF ROADWAY EXCAVATION
- LIMITS OF SIDEWALK REMOVAL
- LIMITS OF MEDIAN REMOVAL
- LIMITS OF LANDSCAPE REMOVAL



AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

NOTE:

1. FOR SITE PREPARATION ITEMS SEE SHEET C-33A.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

SITE PREPARATION PLAN

"Pe" 188+00 to "Pe" 200+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: JSD CHECKED BY: KK
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. SP-33

Sheet 41 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

SITE PREPARATION ITEMS:

[1] "Pe" 188+00.00, 9.0'± RT TO "Pe" 191+40.00, 13.0'± LT — REMOVE MEDIAN ISLAND INCLUDING CURB AND LANDSCAPE.

[3] "Pe" 189+95.00, 60.7' ± LT TO "Pe" 190+40.71, 60.7' ± LT — REMOVE CURB AND GUTTER.

"Pe" 191+79.21, 60.6' ± LT TO "Pe" 192+24.68, 60.7' ± LT

"Pe" 192+96.49, 60.7' ± LT TO "Pe" 193+31.29, 60.7' ± LT

"Pe" 197+22.56, 70.2' LT TO "Pe" 197+25.75, 70.2' LT

"Pe" 188+79.44, 60.6' ± RT TO "Pe" 190+37.24, 60.6' ± RT

"Pe" 191+55.88, 60.6' ± RT TO "Pe" 192+01.94, 60.6' ± RT

"Pe" 196+80.56, 60.5' ± RT TO "Pe" 197+28.96, 60.5' ± RT

"Pe" 197+33.93, 60.5' ± RT TO "Pe" 197+86.15, 60.5' ± RT

"Pe" 198+09.72, 60.5' ± RT TO "Pe" 198+40.44, 61.3' ± RT

"Pe" 199+89.71, 60.4' ± RT TO "Pe" 200+00.00, 60.7' ± RT

[6] "Pe" 188+00.00, 60.5' ± LT TO "Pe" 188+04.70, 60.5' ± LT — REMOVE SIDEWALK.

"Pe" 188+79.88, 61.7' ± LT TO "Pe" 188+92.03, 61.1' ± LT

"Pe" 189+44.49, 60.7' ± LT TO "Pe" 194+08.63, 61.3' ± LT

"Pe" 195+12.17, 60.6' ± LT TO "Pe" 196+16.52, 60.6' ± LT

"Pe" 196+82.64, 60.9' ± LT TO "Pe" 196+93.77, 60.6' ± LT

"Pe" 197+44.75, 75.0' LT TO "Pe" 200+00.00, 60.5' ± LT

"Pe" 188+00.00, 61.2' ± RT TO "Pe" 188+25.71, 75.0' RT

"Pe" 188+61.05, 79.7' ± RT TO "Pe" 192+45.92, 60.6' ± RT

"Pe" 192+80.28, 65.5' ± RT TO "Pe" 194+45.00, 65.3' ± RT

"Pe" 194+93.57, 65.9' ± RT TO "Pe" 198+40.44, 61.3' ± RT

"Pe" 199+36.05, 61.9' ± RT TO "Pe" 200+00.00, 60.4' ± RT

[7] "Pe" 189+44.48, 65.4' ± LT TO "Pe" 190+00.82, 70.7' ± LT — REMOVE LANDSCAPE AND RESTORE IRRIGATION.

"Pe" 190+36.38, 70.7' ± LT TO "Pe" 191+85.03, 70.7' ± LT

"Pe" 192+20.35, 70.7' ± LT TO "Pe" 193+04.31, 70.7' ± LT

"Pe" 193+24.96, 70.7' ± LT TO "Pe" 194+07.64, 65.8' ± LT

"Pe" 195+12.17, 65.6' ± LT TO "Pe" 196+16.52, 65.8' ± LT

"Pe" 197+52.24, 75.0' LT TO "Pe" 199+67.44, 71.0' ± LT

"Pe" 199+72.95, 71.0' ± LT TO "Pe" 200+00.00, 71.0' ± LT

"Pe" 189+28.06, 74.4' ± RT TO "Pe" 189+89.50, 73.7' ± RT

"Pe" 190+33.91, 70.6' ± RT TO "Pe" 190+60.66, 70.6' ± RT

"Pe" 190+66.20, 70.6' ± RT TO "Pe" 191+59.01, 70.6' ± RT

"Pe" 192+02.18, 70.6' ± RT TO "Pe" 192+38.81, 71.1' ± RT

[7] "Pe" 192+77.27, 70.5' ± RT TO "Pe" 192+90.86, 70.5' ± RT — REMOVE LANDSCAPE AND RESTORE IRRIGATION.

"Pe" 192+95.47, 70.5' ± RT TO "Pe" 194+48.20, 70.5' ± RT

"Pe" 194+90.75, 70.5' ± RT TO "Pe" 195+65.39, 70.5' ± RT

"Pe" 195+68.82, 70.5' ± RT TO "Pe" 196+86.23, 70.5' ± RT

"Pe" 197+24.63, 70.5' ± RT TO "Pe" 197+40.27, 70.5' ± RT

"Pe" 197+79.82, 70.5' ± RT TO "Pe" 198+16.06, 70.5' ± RT

"Pe" 199+47.29, 70.4' ± RT TO "Pe" 199+96.04, 70.4' ± RT

[8] "Pe" 188+00.00, 46.4' ± LT TO "Pe" 188+35.00, 46.4' ± LT — ROADWAY EXCAVATION.

"Pe" 190+00.82, 75.0' LT TO "Pe" 190+36.40, 75.0' LT

"Pe" 191+86.85, 75.0' LT TO "Pe" 192+20.41, 75.0' LT

"Pe" 193+05.08, 75.0' LT TO "Pe" 193+26.35, 75.0' LT

"Pe" 188+67.18, 75.0' RT TO "Pe" 189+28.06, 74.4' ± RT

"Pe" 189+03.00, 46.8' ± RT TO "Pe" 190+03.00, 46.8' ± RT

"Pe" 189+89.50, 73.7' ± RT TO "Pe" 190+33.91, 75.0' RT

"Pe" 191+62.22, 75.0' RT TO "Pe" 191+02.18, 70.6' RT

"Pe" 196+86.93, 75.0' RT TO "Pe" 197+24.64, 75.0' RT

"Pe" 197+40.44, 75.0' RT TO "Pe" 197+79.84, 75.0' RT

"Pe" 198+16.06, 75.0' RT TO "Pe" 198+34.69, 75.0' RT

"Pe" 199+96.07, 75.0' RT TO "Pe" 200+00.00, 75.0' RT

[18] "Pe" 191+40.0, 13.0'± LT TO "Pe" 194+24.91, 6.2'± LT — REMOVE MEDIAN ISLAND PAVING.

"Pe" 194+86.69, 6.5'± RT TO "Pe" 200+00.00, 5.0'± LT

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

NOTE:

1. FOR SITE PREPARATION PLAN SEE SHEET SP-33.

REV. NO.	DATE	DESCRIPTION	APPROVED
A.B.	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

SITE PREPARATION ITEMS

"Pe" 188+00 to "Pe" 200+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: JSD CHECKED BY: KK
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

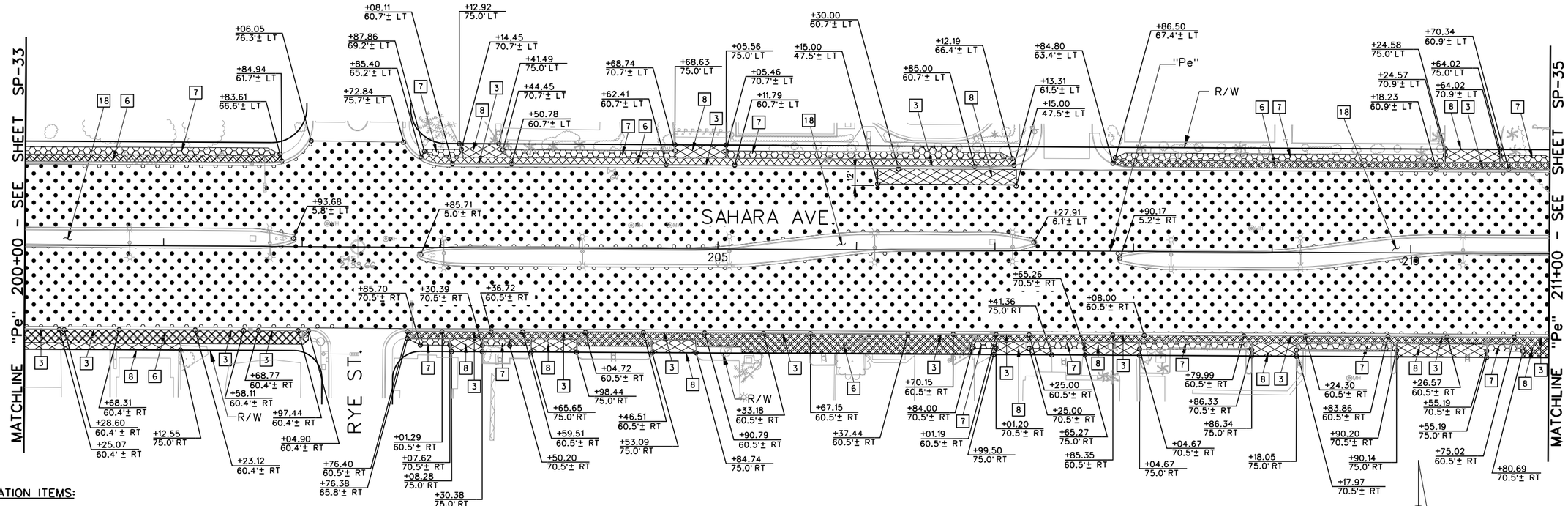
SCALE
HORIZ: NONE
VERT: NONE
FIELD BOOK: NONE

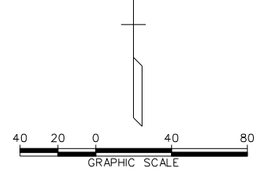
SHEET No. SP-33A

AS - BUILT - 05.31.2012 SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

- LEGEND -

- LIMITS OF REMOVAL (COLD MILLING) (1")
- LIMITS OF REMOVAL (COLD MILLING) (VARYING DEPTH)
- LIMITS OF ROADWAY EXCAVATION
- LIMITS OF SIDEWALK REMOVAL
- LIMITS OF MEDIAN REMOVAL
- LIMITS OF LANDSCAPE REMOVAL





SITE PREPARATION ITEMS:

[3] "Pe" 203+08.11, 60.7'± LT TO "Pe" 203+50.78, 60.7'± LT — REMOVE CURB AND GUTTER.
"Pe" 204+62.41, 60.7'± LT TO "Pe" 205+11.79, 60.7'± LT
"Pe" 206+30.00, 60.7'± LT TO "Pe" 207+85.00, 60.7'± LT
"Pe" 210+18.23, 60.9'± LT TO "Pe" 210+70.34, 60.9'± LT
"Pe" 200+00.00, 60.7'± RT TO "Pe" 200+25.07, 60.4'± RT
"Pe" 200+28.60, 60.4'± RT TO "Pe" 200+68.81, 60.4'± RT
"Pe" 201+23.12, 60.4'± RT TO "Pe" 201+58.11, 60.4'± RT
"Pe" 201+68.77, 60.4'± RT TO "Pe" 201+97.44, 60.4'± RT
"Pe" 203+01.29, 60.5'± RT TO "Pe" 203+36.72, 60.5'± RT
"Pe" 203+59.51, 60.5'± RT TO "Pe" 204+04.72, 60.5'± RT
"Pe" 204+46.51, 60.5'± RT TO "Pe" 204+90.79, 60.5'± RT
"Pe" 205+33.18, 60.5'± RT TO "Pe" 205+67.15, 60.5'± RT

[3] "Pe" 206+37.44, 60.5'± RT TO "Pe" 206+70.15, 60.5'± RT — REMOVE CURB AND GUTTER.
"Pe" 207+01.19, 60.5'± RT TO "Pe" 207+25.00, 60.5'± RT
"Pe" 207+85.35, 60.5'± RT TO "Pe" 208+08.00, 60.5'± RT
"Pe" 208+79.99, 60.5'± RT TO "Pe" 209+24.30, 60.5'± RT
"Pe" 209+83.86, 60.5'± RT TO "Pe" 210+26.57, 60.5'± RT
"Pe" 210+75.02, 60.5'± RT TO "Pe" 211+00.00, 60.4'± RT

[6] "Pe" 200+00.00, 60.5'± LT TO "Pe" 201+84.94, 61.7'± LT — REMOVE SIDEWALK.
"Pe" 202+85.40, 65.2'± LT TO "Pe" 207+13.32, 61.5'± LT
"Pe" 207+84.80, 63.4'± LT TO "Pe" 211+00.00, 60.7'± LT
"Pe" 200+00.00, 60.7'± RT TO "Pe" 202+04.90, 60.4'± RT
"Pe" 202+76.40, 60.5'± RT TO "Pe" 211+00.00, 60.4'± RT

[7] "Pe" 200+00.00, 71.0'± LT TO "Pe" 201+83.61, 66.6'± LT — REMOVE LANDSCAPE AND RESTORE IRRIGATION.
"Pe" 202+87.86, 69.2'± LT TO "Pe" 203+14.45, 70.7'± LT
"Pe" 203+44.45, 70.7'± LT TO "Pe" 204+68.74, 70.7'± LT
"Pe" 205+05.46, 70.7'± LT TO "Pe" 207+12.19, 66.4'± LT
"Pe" 207+86.50, 67.4'± LT TO "Pe" 210+24.57, 70.9'± LT
"Pe" 210+64.02, 70.9'± LT TO "Pe" 211+00.00, 69.2'± LT
"Pe" 202+76.38, 65.8'± RT TO "Pe" 203+07.62, 70.5'± RT
"Pe" 203+30.39, 70.5'± RT TO "Pe" 203+50.20, 70.5'± RT
"Pe" 206+84.00, 70.5'± RT TO "Pe" 207+01.20, 70.5'± RT
"Pe" 207+25.00, 70.5'± RT TO "Pe" 207+65.26, 70.5'± RT
"Pe" 208+04.67, 70.5'± RT TO "Pe" 208+86.33, 70.5'± RT
"Pe" 209+17.97, 70.5'± RT TO "Pe" 209+90.20, 70.5'± RT
"Pe" 210+55.19, 70.5'± RT TO "Pe" 210+80.69, 70.5'± RT

[8] "Pe" 203+12.92, 75.0' LT TO "Pe" 203+41.49, 75.0' LT — ROADWAY EXCAVATION.
"Pe" 204+68.63, 75.0' LT TO "Pe" 205+05.56, 75.0' LT
"Pe" 206+15.00, 47.5'± LT TO "Pe" 207+15.00, 47.5'± LT
"Pe" 210+24.58, 75.0' LT TO "Pe" 210+64.02, 75.0' LT
"Pe" 200+00.00, 75.0' RT TO "Pe" 201+12.55, 75.0' RT
"Pe" 203+08.28, 75.0' RT TO "Pe" 203+30.38, 75.0' RT
"Pe" 203+65.65, 75.0' RT TO "Pe" 203+98.44, 75.0' RT
"Pe" 204+53.09, 75.0' RT TO "Pe" 204+84.74, 75.0' RT
"Pe" 206+99.50, 75.0' RT TO "Pe" 207+41.36, 75.0' RT
"Pe" 207+65.27, 75.0' RT TO "Pe" 208+04.67, 75.0' RT
"Pe" 208+86.34, 75.0' RT TO "Pe" 209+17.97, 75.0' RT
"Pe" 209+90.20, 70.5'± RT TO "Pe" 210+55.19, 70.5'± RT
"Pe" 210+80.69, 70.5'± RT TO "Pe" 211+00.00, 70.5'± RT

[18] "Pe" 200+00.00, 6.5'± LT TO "Pe" 201+93.68, 5.8'± LT — REMOVE MEDIAN ISLAND PAVING.
"Pe" 202+85.71, 5.0'± RT TO "Pe" 207+27.91, 6.1'± LT
"Pe" 207+90.17, 5.2'± RT TO "Pe" 211+00.00, 6.6'± LT

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call 811 or 1-800-227-2600

FAST Call before you UnderGround 1-702-432-5300 FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

AS - BUILT - 05.31.2012

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

SITE PREPARATION PLAN

"Pe" 200+00 to "Pe" 211+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: SSM
DESIGNED BY: JSD CHECKED BY: KK
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-8632 • FAX (702) 736-0704

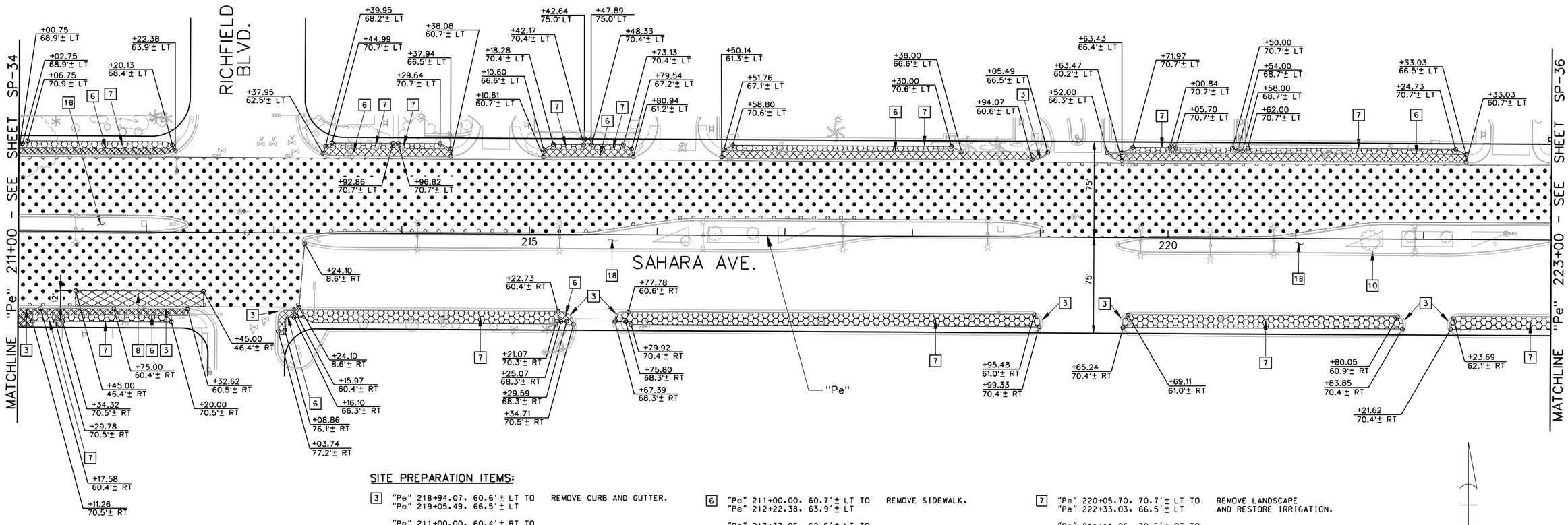
SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

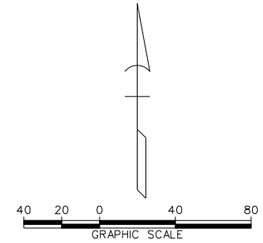
SHEET No. SP-34

Sheet 43 of 592

- LEGEND -

- LIMITS OF REMOVAL (COLD MILLING) (1")
- LIMITS OF REMOVAL (COLD MILLING) (VARYING DEPTH)
- LIMITS OF ROADWAY EXCAVATION
- LIMITS OF SIDEWALK REMOVAL
- LIMITS OF MEDIAN REMOVAL
- LIMITS OF LANDSCAPE REMOVAL





SITE PREPARATION ITEMS:

[3] "Pe" 218+94.07. 60.6'± LT TO "Pe" 219+05.49. 66.5'± LT — REMOVE CURB AND GUTTER.
"Pe" 211+00.00. 60.4'± RT TO "Pe" 211+17.58. 60.4'± RT
"Pe" 211+75.00. 60.4'± RT TO "Pe" 212+32.62. 60.3'± RT
"Pe" 212+03.74. 77.2'± RT TO "Pe" 212+15.97. 60.4'± RT
"Pe" 215+22.73. 60.4'± RT TO "Pe" 215+34.71. 70.5'± RT
"Pe" 215+67.40. 68.3'± RT TO "Pe" 215+77.78. 60.6'± RT
"Pe" 218+95.48. 61.0'± RT TO "Pe" 218+99.33. 70.4'± RT
"Pe" 219+65.25. 70.4'± RT TO "Pe" 219+69.11. 61.0'± RT
"Pe" 221+80.05. 60.9'± RT TO "Pe" 219+83.85. 70.4'± RT
"Pe" 221+21.62. 70.4'± RT TO "Pe" 219+23.69. 62.1'± RT

[6] "Pe" 211+00.00. 60.7'± LT TO "Pe" 212+22.38. 63.9'± LT — REMOVE SIDEWALK.
"Pe" 213+37.95. 62.5'± LT TO "Pe" 214+38.08. 60.7'± LT
"Pe" 215+10.61. 60.7'± LT TO "Pe" 215+80.94. 61.2'± LT
"Pe" 216+50.14. 61.3'± LT TO "Pe" 219+05.49. 66.5'± LT
"Pe" 219+63.47. 60.2'± LT TO "Pe" 222+33.03. 60.7'± LT
"Pe" 211+00.00. 60.4'± RT TO "Pe" 212+32.62. 60.5'± RT
"Pe" 213+03.74. 77.2'± RT TO "Pe" 213+15.97. 60.4'± RT
"Pe" 215+22.73. 60.4'± RT TO "Pe" 215+34.71. 70.5'± RT

[7] "Pe" 211+00.00. 69.2'± LT TO "Pe" 212+20.13. 68.4'± LT — REMOVE LANDSCAPE AND RESTORE IRRIGATION.
"Pe" 213+39.95. 68.2'± LT TO "Pe" 213+92.86. 70.7'± LT
"Pe" 213+96.82. 70.7'± LT TO "Pe" 214+37.94. 66.5'± LT
"Pe" 215+10.60. 66.6'± LT TO "Pe" 215+42.17. 70.4'± LT
"Pe" 215+48.33. 70.4'± LT TO "Pe" 215+79.54. 67.2'± LT
"Pe" 216+51.76. 67.1'± LT TO "Pe" 218+38.00. 66.6'± LT
"Pe" 219+63.43. 66.4'± LT TO "Pe" 220+00.84. 70.7'± LT

[7] "Pe" 220+05.70. 70.7'± LT TO "Pe" 222+33.03. 66.5'± LT — REMOVE LANDSCAPE AND RESTORE IRRIGATION.
"Pe" 211+11.26. 70.5'± RT TO "Pe" 211+29.11. 70.5'± RT
"Pe" 213+16.10. 66.3'± RT TO "Pe" 215+29.59. 68.3'± RT
"Pe" 215+67.39. 68.3'± RT TO "Pe" 218+99.33. 70.4'± RT
"Pe" 219+65.24. 70.4'± RT TO "Pe" 221+83.86. 70.4'± RT
"Pe" 222+21.62. 70.4'± RT TO "Pe" 223+00.00. 70.4'± RT

[8] "Pe" 211+45.00. 46.4'± RT TO "Pe" 212+45.00. 46.4'± RT — ROADWAY EXCAVATION.

[10] "Pe" 221+57.93. 1.2'± RT — REMOVE TREE.

[18] "Pe" 211+00.0 TO "Pe" 212+30.8 ± — REMOVE MEDIAN ISLAND PAVING.
"Pe" 213+24.5 ± TO "Pe" 219+00.0 ±
"Pe" 219+61.5 ± TO "Pe" 223+00.0

AVOID CUTTING UNDERGROUND UTILITY LINES. ITS CRITICAL
Call 811 OR 1-800-227-2600
FAST
Call before you UnderGround
1-702-432-5300
PRIMARY AND NATIONAL SYSTEM OF INTERCONNECTION
AVOID HITTING OVERHEAD POWER LINES. ITS CRITICAL
CALL BEFORE YOU DO OVERHEAD
1-702-227-2929

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

SITE PREPARATION PLAN

"Pe" 211+00 to "Pe" 223+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No:	CB 1083	DRAWN BY:	GFV
DESIGNED BY:	JSD	CHECKED BY:	KK
APPROVED BY	RJP		

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

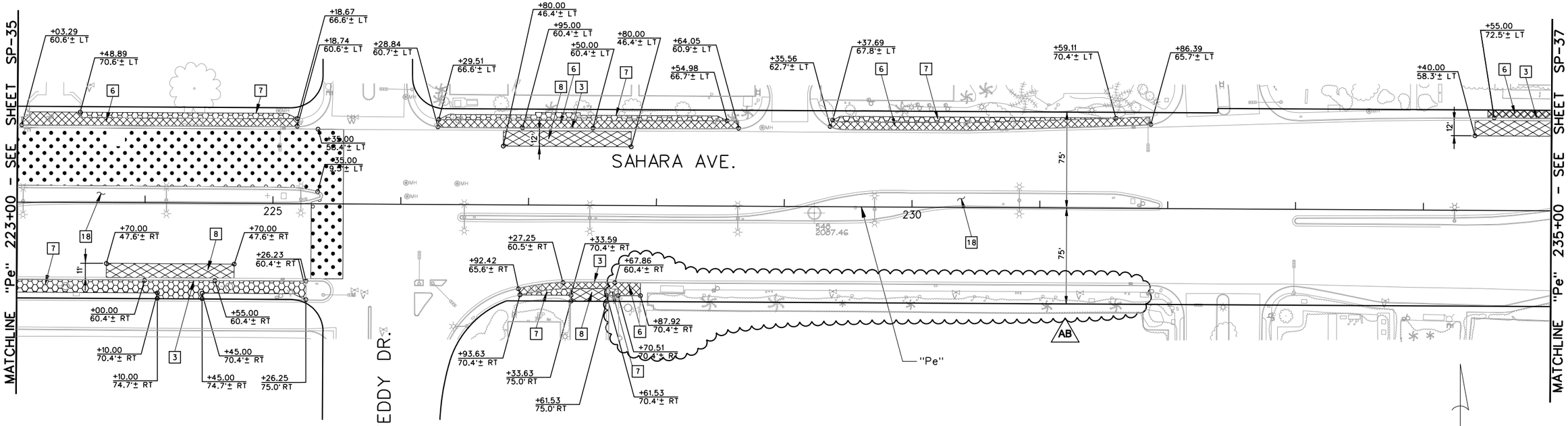
SHEET No.
SP-35
Sheet 44 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

- LEGEND -

- LIMITS OF REMOVAL (COLD MILLING) (1")
- LIMITS OF REMOVAL (COLD MILLING) (VARYING DEPTH)
- LIMITS OF ROADWAY EXCAVATION
- LIMITS OF SIDEWALK REMOVAL
- LIMITS OF MEDIAN REMOVAL
- LIMITS OF LANDSCAPE REMOVAL



SITE PREPARATION ITEMS:

[3] "Pe" 226+95.00. 60.4'± LT TO "Pe" 227+50.00. 60.4'± LT — REMOVE CURB AND GUTTER.
"Pe" 234+55.00. 72.5'± LT TO "Pe" 235+00.00. 72.3'± LT
"Pe" 224+00.00. 60.4'± RT TO "Pe" 224+55.00. 60.4'± RT
"Pe" 227+27.25. 60.5'± RT TO "Pe" 227+67.86. 60.4'± RT

[6] "Pe" 223+03.29. 60.6'± LT TO "Pe" 225+18.74. 60.6'± LT — REMOVE SIDEWALK.
"Pe" 226+28.84. 60.7'± LT TO "Pe" 228+64.05. 60.9'± LT
"Pe" 229+35.56. 62.7'± LT TO "Pe" 231+86.39. 65.7'± LT
"Pe" 234+55.00. 72.5'± LT TO "Pe" 235+00.00. 72.3'± LT
"Pe" 226+92.42. 65.6'± RT TO "Pe" 227+87.92. 70.4'± RT

[7] "Pe" 223+48.89. 70.6'± LT TO "Pe" 225+18.67. 66.6'± LT — REMOVE LANDSCAPE AND RESTORE IRRIGATION.
"Pe" 226+29.51. 66.6'± LT TO "Pe" 228+54.98. 66.7'± LT
"Pe" 229+37.69. 67.8'± LT TO "Pe" 231+59.11. 70.4'± LT
"Pe" 223+06.93. 60.5'± RT TO "Pe" 225+26.23. 60.4'± RT
"Pe" 226+93.64. 70.4'± RT TO "Pe" 227+33.59. 70.4'± RT
"Pe" 227+61.53. 70.4'± RT TO "Pe" 227+70.51. 70.4'± RT
~~"Pe" 227+93.78. 70.4'± RT TO "Pe" 231+90.34. 65.9'± RT~~ AB

[8] "Pe" 226+80.00. 46.4'± LT TO "Pe" 227+80.00. 46.4'± LT — ROADWAY EXCAVATION.
"Pe" 234+40.00. 58.3'± LT TO "Pe" 235+00.00. 58.2'± LT
"Pe" 223+70.00. 47.6'± RT TO "Pe" 224+70.00. 47.6'± RT
"Pe" 227+33.63. 75.0' RT TO "Pe" 227+61.53. 75.0' RT

[18] "Pe" 223+00.0 TO "Pe" 225+36.7 ± — REMOVE MEDIAN ISLAND PAVING.
"Pe" 228+79.7 ± TO "Pe" 231+93.5

AVOID CUTTING UNDERGROUND UTILITY LINES, ITS COSTLY.
Call 811 or 1-800-227-2600
FAST
Call before you UnderGround
1-702-432-5300
FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION
AVOID HITTING OVERHEAD POWER LINES, ITS COSTLY.
CALL BEFORE YOU DO OVERHEAD
1-702-227-2929

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

SITE PREPARATION PLAN

"Pe" 233+00 to "Pe" 235+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: JSD CHECKED BY: KK
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. SP-36

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

- LEGEND -

- LIMITS OF REMOVAL (COLD MILLING) (1")
- LIMITS OF REMOVAL (COLD MILLING) (VARYING DEPTH)
- LIMITS OF ROADWAY EXCAVATION
- LIMITS OF SIDEWALK REMOVAL
- LIMITS OF MEDIAN REMOVAL
- LIMITS OF LANDSCAPE REMOVAL

AVOID CUTTING UNDERGROUND UTILITY LINES, IT'S COSTLY. Call 811 or 1-800-227-2600

FAST Call before you UnderGround 1-702-432-5300 FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES, IT'S COSTLY. CALL BEFORE YOU DIG OVERHEAD 1-702-227-2929

SITE PREPARATION ITEMS:

[3] "Pe" 235+00.00. 72.4'± LT TO "Pe" 235+30.00. 72.4'± LT — REMOVE CURB AND GUTTER.

"X1" 231+15.00. 44.4'± LT TO "X1" 231+70.00. 44.4'± LT

"X1" 243+70.00. 45.3'± LT TO "X1" 244+50.00. 44.9'± LT

[6] "Pe" 235+00.00. 72.4'± LT TO "Pe" 235+30.00. 72.4'± LT — REMOVE SIDEWALK.

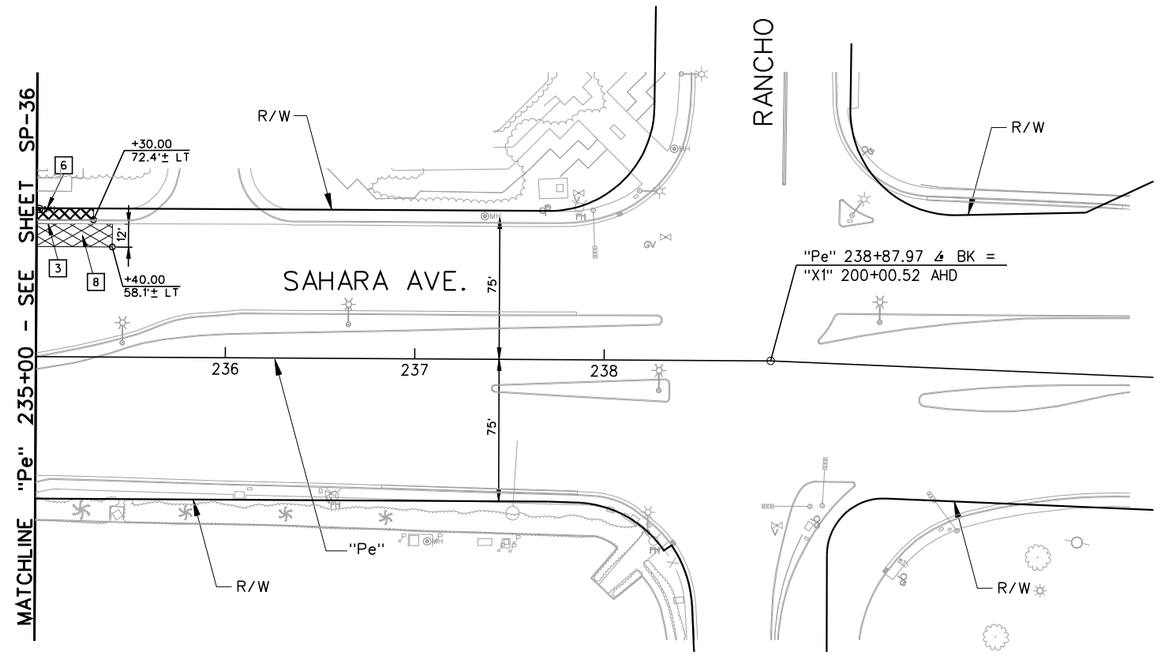
"X1" 231+15.00. 44.4'± LT TO "X1" 231+70.00. 44.4'± LT

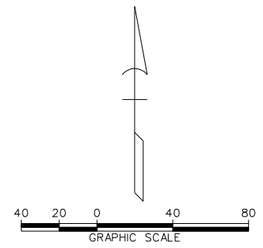
~~"X1" 243+70.00. 45.3'± LT TO "X1" 244+50.00. 44.9'± LT~~ "X1" 230+32.75. 45.3'± LT TO "X1" 230+77.75. 44.9'± LT AB

[8] "Pe" 235+00.00. 58.2'± LT TO "Pe" 235+40.00. 58.1'± LT — ROADWAY EXCAVATION.

~~"X1" 230+00.00. 30.4'± LT TO "X1" 231+00.00. 30.4'± LT~~

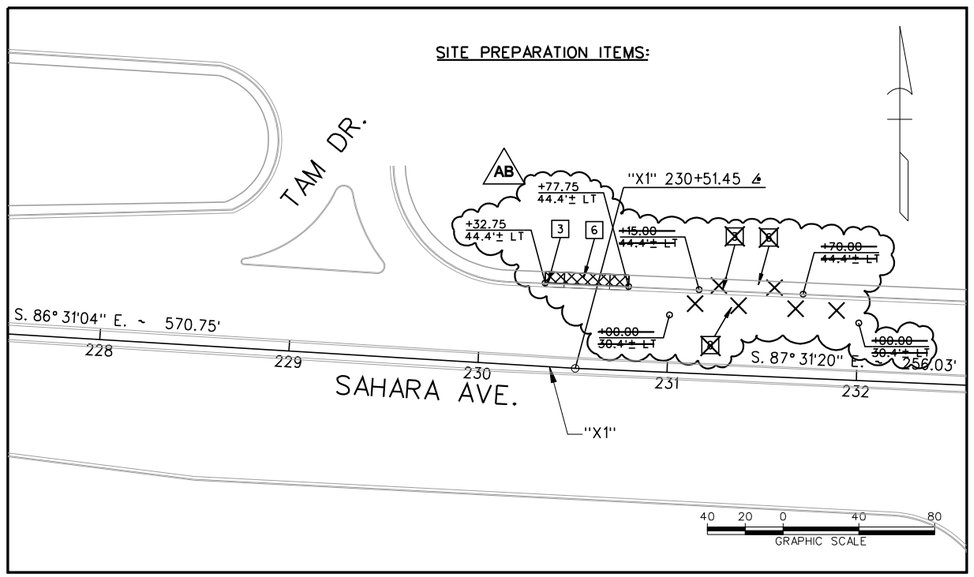
~~"X1" 243+65.00. 34.1'± LT TO "X1" 244+65.00. 33.3'± LT~~ AB

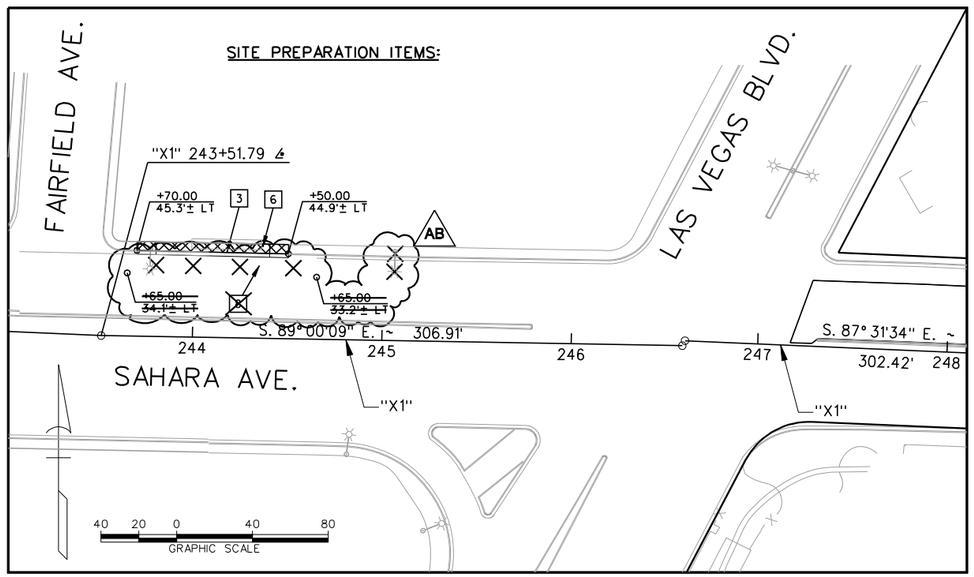




AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.





REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

SITE PREPARATION PLAN

"Pe" 235+00 to "Pe" 238+87.97

"X1" 227+50 to "X1" 232+50 - "X1" 243+00 to "X1" 248+00.00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No:	CB 1083	DRAWN BY:	GFV
DESIGNED BY:	JSD	CHECKED BY:	KK
APPROVED BY	RJP		

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. SP-37

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

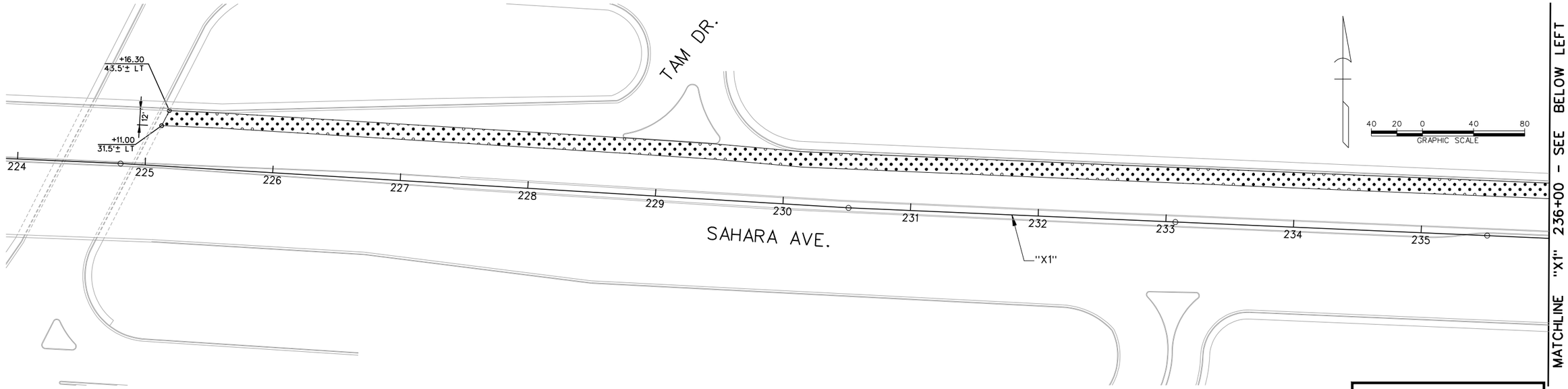
- LEGEND -

- LIMITS OF REMOVAL (COLD MILLING) (1")
- LIMITS OF REMOVAL (COLD MILLING) (3")
- LIMITS OF PAVEMENT REMOVAL
- LIMITS OF SIDEWALK REMOVAL
- LIMITS OF MEDIAN REMOVAL
- LIMITS OF LANDSCAPE REMOVAL

Call before you Dig
AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY.
Call 811 OR 1-800-227-2600

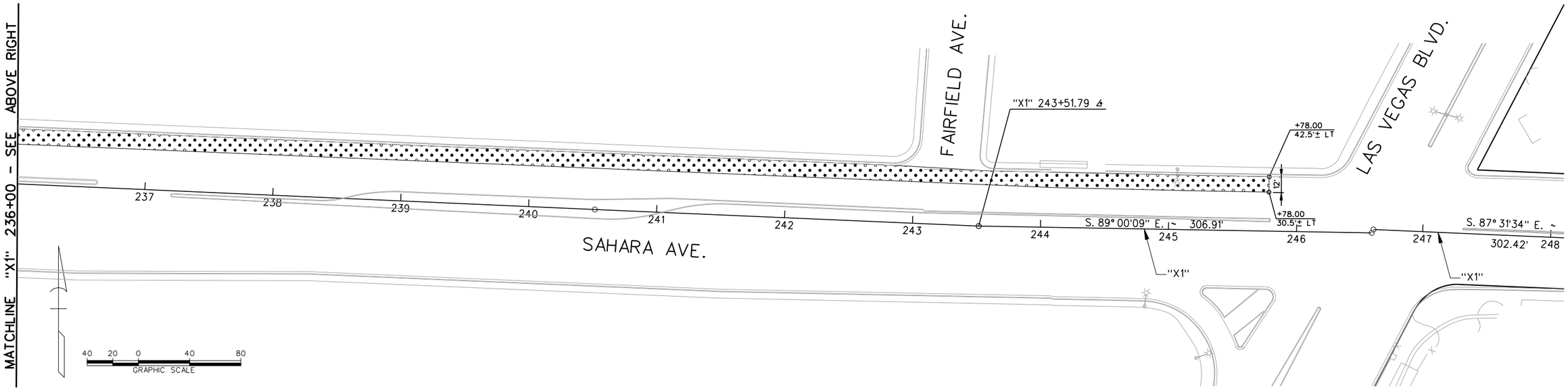
FAST
Call before you UnderGround
1-702-432-5300
PRIMARY AND ARTERIAL SYSTEM OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY.
CALL BEFORE YOU DIG OVERHEAD
1-702-227-2929



AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.



REV. NO.	DATE	DESCRIPTION	APPROVED
1	9/30/13	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

SITE PREPARATION PLAN

"X1" 224+00 to "X1" 248+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No:	CB 1083	DRAWN BY:	GFV
DESIGNED BY:	ALB	CHECKED BY:	KK
APPROVED BY	RJP		

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-8632 • FAX (702) 736-0704

SCALE
HORIZ : AS SHOWN
VERT : NONE
FIELD BOOK :
NONE

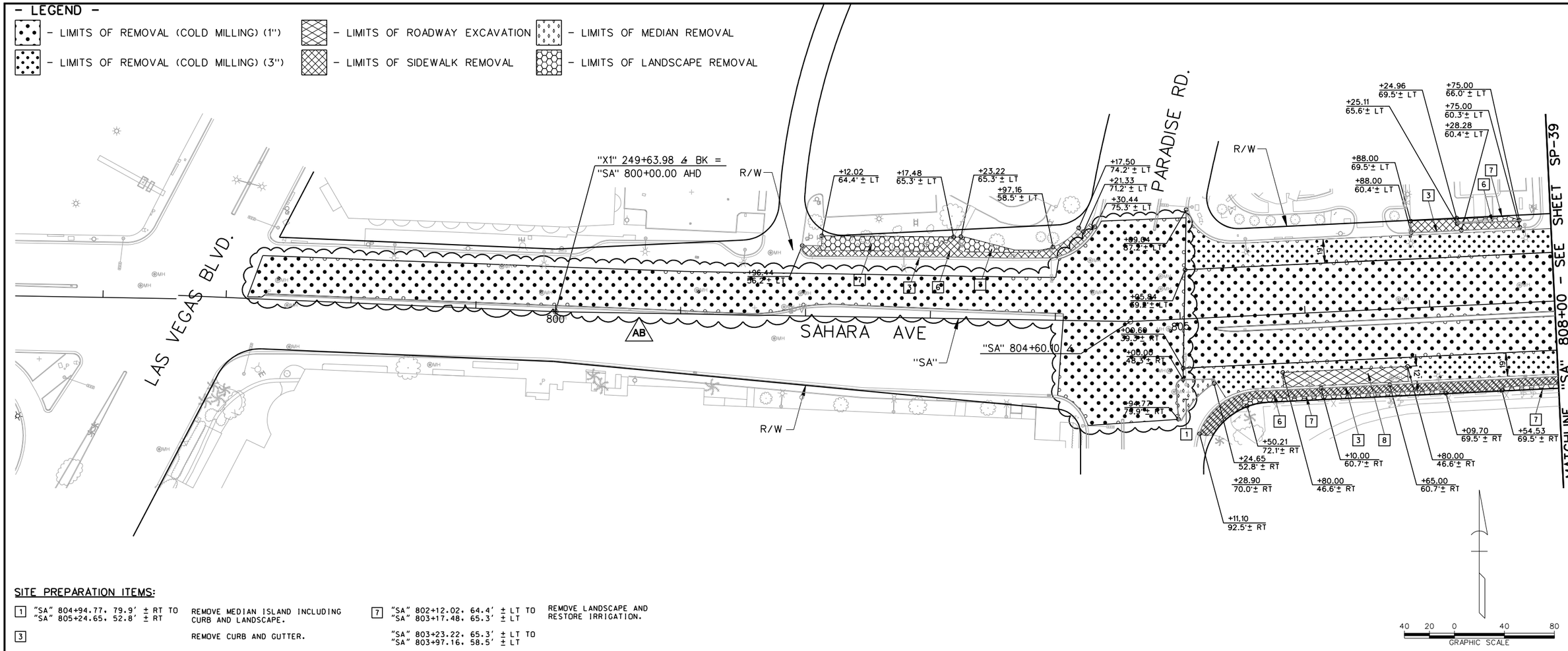
SHEET No.
SP-37a
Sheet 46a of 592

SAHARA AVENUE , BUS/BIKE LANE ALTERNATIVE

AS-BUILT - 09.30.2013

- LEGEND -

- LIMITS OF REMOVAL (COLD MILLING) (1")
- LIMITS OF REMOVAL (COLD MILLING) (3")
- LIMITS OF ROADWAY EXCAVATION
- LIMITS OF SIDEWALK REMOVAL
- LIMITS OF MEDIAN REMOVAL
- LIMITS OF LANDSCAPE REMOVAL



SITE PREPARATION ITEMS:

[1] "SA" 804+94.77, 79.9' ± RT TO "SA" 805+24.65, 52.8' ± RT — REMOVE MEDIAN ISLAND INCLUDING CURB AND LANDSCAPE.

[3] REMOVE CURB AND GUTTER.

"SA" 801+96.44, 56.2' ± LT TO "SA" 804+30.44, 75.3' ± LT

"SA" 806+88.00, 60.4' ± LT TO "SA" 807+28.28, 60.4' ± LT

"SA" 806+10.00, 60.7' ± RT TO "SA" 806+65.00, 60.7' ± RT

[6] "SA" 801+96.44, 56.2' ± LT TO "SA" 804+30.44, 75.3' ± LT — REMOVE SIDEWALK.

"SA" 806+88.40, 60.4' ± LT TO "SA" 807+75.00, 60.3' ± LT

"SA" 805+11.10, 92.5' ± RT TO "SA" 808+00.00, 60.6' ± RT

[7] "SA" 802+12.02, 64.4' ± LT TO "SA" 803+17.48, 65.3' ± LT — REMOVE LANDSCAPE AND RESTORE IRRIGATION.

"SA" 803+23.22, 65.3' ± LT TO "SA" 803+97.16, 58.5' ± LT

"SA" 807+24.96, 69.5' ± LT TO "SA" 807+75.00, 66.0' ± LT

"SA" 805+50.21, 72.1' ± RT TO "SA" 807+09.70, 69.5' ± RT

"SA" 807+54.53, 69.5' ± RT TO "SA" 808+00.00, 69.5' ± RT

[8] ROADWAY EXCAVATION.

"SA" 805+80.00, 46.6' ± RT TO "SA" 806+80.00, 46.6' ± RT

Call 811 or 1-800-227-2600 — AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY.

FAST Call before you UnderGround 1-702-432-5300 — FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

CALL BEFORE YOU DO OVERHEAD 1-702-227-2929 — AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY.

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

SITE PREPARATION PLAN

"SA" 800+00 to "SA" 808+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: JSD CHECKED BY: KK
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-8632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. SP-38

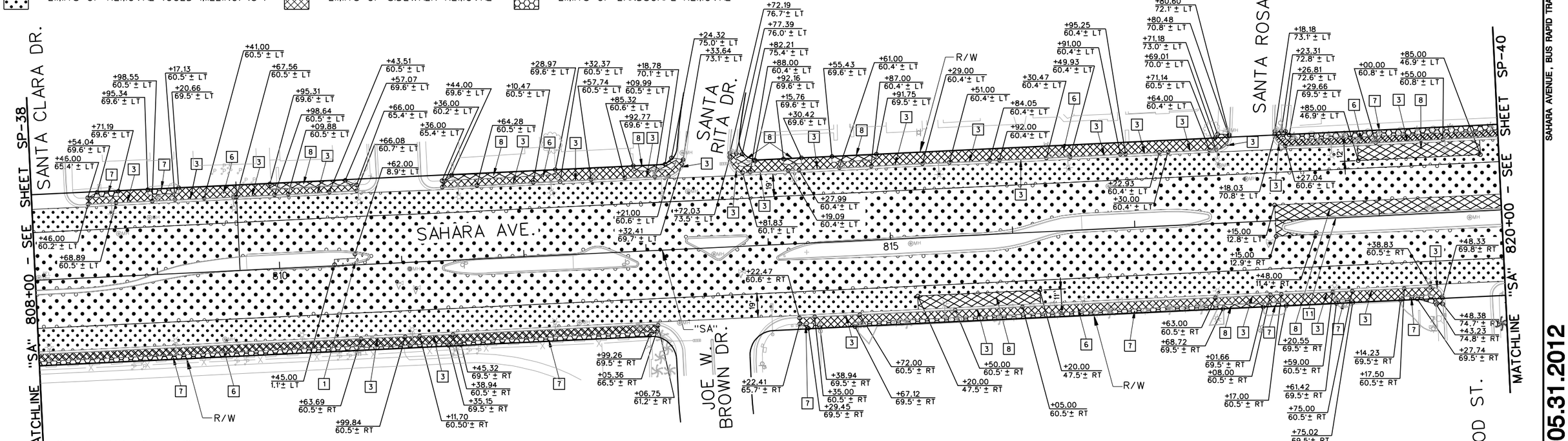
Sheet 47 of 592

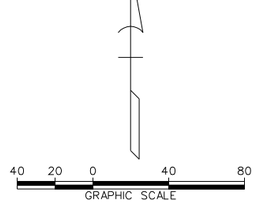
SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

- LEGEND -

- LIMITS OF REMOVAL (COLD MILLING) (1")
- LIMITS OF REMOVAL (COLD MILLING) (3")
- LIMITS OF ROADWAY EXCAVATION
- LIMITS OF SIDEWALK REMOVAL
- LIMITS OF MEDIAN REMOVAL
- LIMITS OF LANDSCAPE REMOVAL





SITE PREPARATION ITEMS:

[1] "SA" 810+45.00, 1.1'± LT TO "SA" 810+62.00, 8.9'± LT — REMOVE MEDIAN ISLAND INCLUDING CURB AND LANDSCAPE.

[3] "SA" 808+68.69, 60.5' ± LT TO "SA" 808+98.55, 60.5' ± LT
"SA" 809+17.13, 60.5' ± LT TO "SA" 809+41.00, 60.5' ± LT
"SA" 809+67.56, 60.5' ± LT TO "SA" 809+98.64, 60.5' ± LT
"SA" 810+09.88, 60.5' ± LT TO "SA" 810+43.51, 60.5' ± LT
"SA" 811+64.28, 60.5' ± LT TO "SA" 812+10.47, 60.5' ± LT
"SA" 812+32.37, 60.5' ± LT TO "SA" 812+57.74, 60.5' ± LT
"SA" 812+85.32, 60.6' ± LT TO "SA" 813+09.99, 60.5' ± LT
"SA" 813+21.00, 60.6' ± LT TO "SA" 813+32.41, 69.7' ± LT
"SA" 813+72.03, 73.5' ± LT TO "SA" 813+81.83, 60.1' ± LT
"SA" 813+88.00, 60.4' ± LT TO "SA" 814+19.09, 60.4' ± LT
"SA" 814+27.99, 90.4' ± LT TO "SA" 814+61.00, 60.4' ± LT
"SA" 814+87.00, 60.4' ± LT TO "SA" 815+29.00, 60.4' ± LT
"SA" 815+51.00, 60.4' ± LT TO "SA" 815+84.05, 60.4' ± LT
"SA" 815+92.00, 60.4' ± LT TO "SA" 816+30.47, 69.4' ± LT
"SA" 816+95.25, 60.4' ± LT TO "SA" 817+22.93, 60.4' ± LT
— REMOVE CURB AND GUTTER.

[3] "SA" 816+49.93, 60.4' ± LT TO "SA" 816+91.00, 60.4' ± LT
"SA" 817+30.00, 60.4' ± LT TO "SA" 817+64.00, 60.4' ± LT
"SA" 817+71.14, 60.5' ± LT TO "SA" 817+80.48, 70.8' ± LT
"SA" 818+18.03, 70.8' ± LT TO "SA" 818+27.04, 66.6' ± LT
"SA" 819+00.00, 60.8' ± LT TO "SA" 819+55.00, 60.8' ± LT
"SA" 810+63.69, 60.5' ± RT TO "SA" 810+99.84, 60.5' ± RT
"SA" 811+11.70, 60.5' ± RT TO "SA" 811+38.94, 60.5' ± RT
"SA" 814+35.00, 60.5' ± RT TO "SA" 814+72.00, 60.5' ± RT
"SA" 815+50.00, 60.5' ± RT TO "SA" 816+05.00, 60.5' ± RT
"SA" 817+63.00, 60.5' ± RT TO "SA" 818+08.00, 60.5' ± RT
"SA" 818+17.00, 60.5' ± RT TO "SA" 818+59.00, 60.5' ± RT
"SA" 818+75.00, 60.5' ± RT TO "SA" 819+17.50, 60.5' ± RT
"SA" 819+38.83, 60.5' ± RT TO "SA" 819+48.33, 69.8' ± RT
— REMOVE CURB AND GUTTER.

[6] "SA" 808+46.00, 60.2' ± LT TO "SA" 810+66.08, 60.7' ± LT
"SA" 811+36.00, 60.2' ± LT TO "SA" 813+33.64, 73.1' ± LT
"SA" 813+72.19, 76.7' ± LT TO "SA" 817+80.60, 72.1' ± LT
"SA" 818+18.18, 73.1' ± LT TO "SA" 820+00.00, 60.8' ± LT
"SA" 808+00.00, 60.6' ± RT TO "SA" 813+06.75, 61.2' ± RT
"SA" 814+22.47, 60.6' ± RT TO "SA" 819+48.38, 74.7' ± RT
— REMOVE SIDEWALK.

[7] "SA" 808+46.00, 65.4' ± LT TO "SA" 808+77.19, 69.6' ± LT
"SA" 808+95.34, 69.6' ± LT TO "SA" 809+20.66, 69.5' ± LT
"SA" 818+23.31, 72.8' ± LT TO "SA" 820+00.00, 69.5' ± LT
"SA" 808+00.00, 69.5' ± RT TO "SA" 811+35.15, 69.5' ± RT
"SA" 811+45.32, 69.5' ± RT TO "SA" 813+05.36, 66.5' ± RT
"SA" 814+22.41, 65.7' ± RT TO "SA" 814+38.94, 69.5' ± RT
"SA" 814+67.12, 69.5' ± RT TO "SA" 817+68.72, 69.5' ± RT
"SA" 818+01.66, 69.5' ± RT TO "SA" 818+20.55, 69.5' ± RT
"SA" 818+61.42, 69.5' ± RT TO "SA" 818+75.02, 69.5' ± RT
"SA" 819+14.23, 69.5' ± RT TO "SA" 819+43.23, 74.8' ± RT
— REMOVE LANDSCAPE AND RESTORE IRRIGATION.

[8] "SA" 809+95.31, 69.6' ± LT TO "SA" 810+66.00, 65.4' ± LT
"SA" 811+36.00, 65.4' ± LT TO "SA" 812+28.97, 69.6' ± LT
"SA" 812+92.77, 69.6' ± LT TO "SA" 813+24.32, 75.0' ± LT
"SA" 813+77.39, 76.0' ± LT TO "SA" 813+92.16, 69.6' ± LT
"SA" 814+15.76, 69.6' ± LT TO "SA" 814+30.42, 69.6' ± LT
"SA" 814+55.43, 69.6' ± LT TO "SA" 814+91.75, 69.5' ± LT
"SA" 818+85.00, 46.9' ± LT TO "SA" 819+85.00, 46.9' ± LT
"SA" 818+15.00, 12.8'± LT TO "SA" 820+00.00, 12.8'± LT
"SA" 814+38.94, 69.5' ± RT TO "SA" 814+67.12, 69.5' ± RT
"SA" 815+20.00, 47.5' ± RT TO "SA" 816+20.00, 47.5' ± RT
"SA" 817+68.72, 69.5' ± RT TO "SA" 818+01.66, 69.5' ± RT
— ROADWAY EXCAVATION.

[11] "SA" 818+48.00, 11.4'± RT TO "SA" 820+00.00, 0.0'± — REMOVE ISLAND CURB AND GUTTER.

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call 811 or 1-800-227-2600

FAST Call before you UnderGround 1-702-432-5300 FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

SITE PREPARATION PLAN

"SA" 808+00 to "SA" 820+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: JSD CHECKED BY: KK
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. SP-39

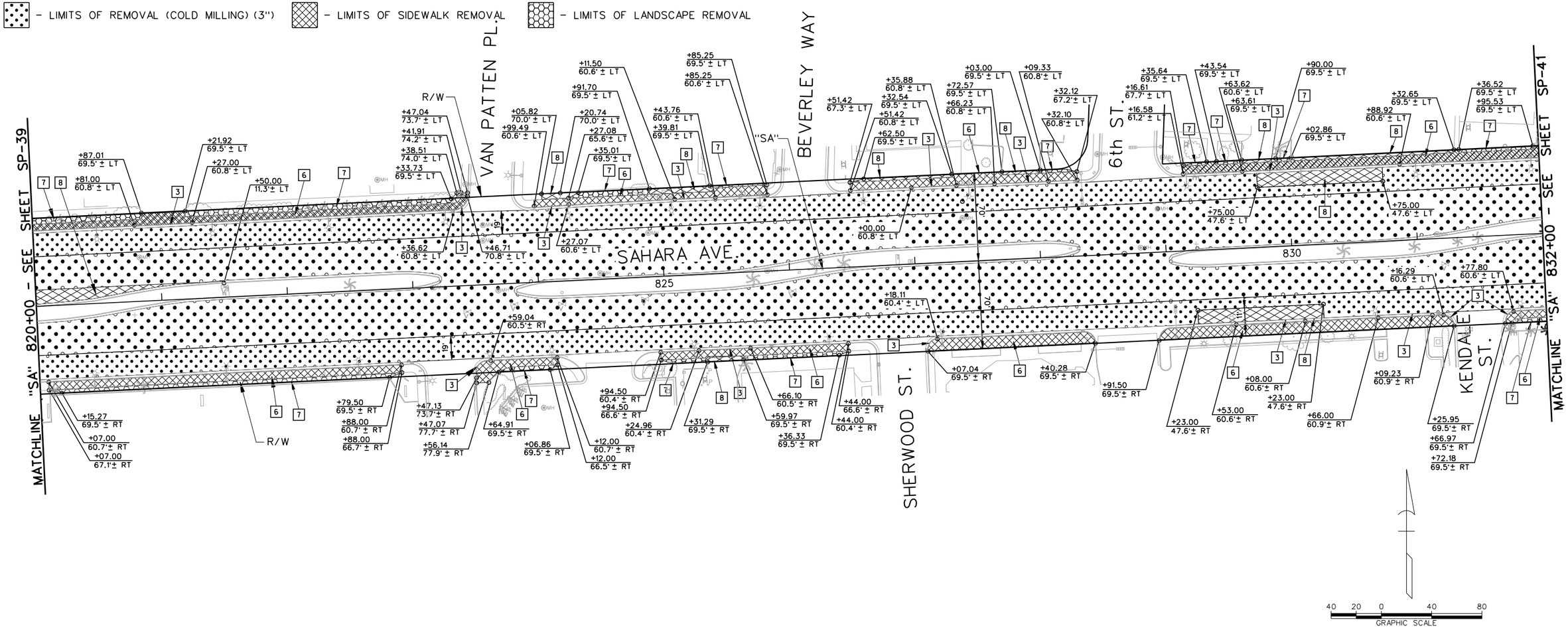
Sheet 48 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

- LEGEND -

- LIMITS OF REMOVAL (COLD MILLING) (1")
- LIMITS OF REMOVAL (COLD MILLING) (3")
- LIMITS OF ROADWAY EXCAVATION
- LIMITS OF SIDEWALK REMOVAL
- LIMITS OF MEDIAN REMOVAL
- LIMITS OF LANDSCAPE REMOVAL



SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

NOTE:

1. FOR SITE PREPARATION ITEMS SEE SHEET SP-40A.

Call 811 or 1-800-227-2600

FAST Call before you UnderGround 1-702-432-5300 FREEWAY AND ARTERIAL SYSTEMS OF TRANSPORTATION

CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
A	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

SITE PREPARATION PLAN

"SA" 820+00 to "SA" 832+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: JSD CHECKED BY: KK
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No.
SP-40
Sheet 49 of 592

SITE PREPARATION ITEMS:

[3] "SA" 820+81.00, 60.6′ ± LT TO "SA" 821+27.00, 60.8′ ± LT — REMOVE CURB AND GUTTER.

"SA" 823+36.62, 60.8′± LT TO "SA" 823+46.71, 70.8′± LT

"SA" 823+99.49, 60.6′ ± LT TO "SA" 824+27.07, 60.6′ ± LT

"SA" 825+11.50, 60.6′ ± LT TO "SA" 825+43.76, 60.6′ ± LT

"SA" 827+00.00, 60.8′± LT TO "SA" 827+35.88, 60.8′± LT

"SA" 827+66.23, 60.8′ ± LT TO "SA" 828+09.33, 60.8′ ± LT

"SA" 829+63.62, 60.6′ ± LT TO "SA" 830+88.92, 60.6′ ± LT

"SA" 823+47.13, 73.7′ ± RT TO "SA" 823+59.04, 60.5′ ± RT

"SA" 825+24.96, 60.4′ ± RT TO "SA" 825+66.10, 60.5′ ± RT

"SA" 827+07.04, 69.5′± RT TO "SA" 827+18.11, 60.4′± RT

"SA" 829+53.00, 60.6′ ± RT TO "SA" 830+08.00, 60.6′ ± RT

"SA" 830+66.00, 60.9′ ± RT TO "SA" 831+09.23, 60.9′ ± RT

"SA" 831+16.29, 60.6′± RT TO "SA" 831+25.95, 69.5′± RT

"SA" 831+66.97, 69.5′± RT TO "SA" 831+77.80, 60.6′± RT

[6] "SA" 820+00.00, 60.1′ ± LT TO "SA" 823+47.04, 73.7′ ± LT — REMOVE SIDEWALK.

"SA" 823+99.49, 60.6′ ± LT TO "SA" 825+85.25, 60.6′ ± LT

"SA" 826+51.42, 60.8′ ± LT TO "SA" 828+32.10, 60.8′ ± LT

"SA" 829+16.58, 61.2′ ± LT TO "SA" 832+00.00, 60.6′ ± LT

"SA" 820+07.00, 60.7′ ± RT TO "SA" 822+88.00, 60.7′ ± RT

"SA" 823+47.07, 77.7′ ± RT TO "SA" 824+12.00, 60.7′ ± RT

"SA" 824+94.50, 60.4′ ± RT TO "SA" 826+44.00, 60.4′ ± RT

"SA" 827+07.04, 69.5′ ± RT TO "SA" 828+40.28, 69.5′ ± RT

"SA" 828+91.50, 69.5′ ± RT TO "SA" 831+25.95, 69.5′ ± RT

"SA" 831+66.97, 69.5′ ± RT TO "SA" 832+00.00, 60.6′ ± RT

[7] "SA" 820+00.00, 69.5′ ± LT TO "SA" 820+87.01, 69.5′ ± LT — REMOVE LANDSCAPE AND RESTORE IRRIGATION.

"SA" 821+21.92, 69.5′ ± LT TO "SA" 823+41.91, 69.5′ ± LT

"SA" 824+27.08, 65.6′± LT TO "SA" 824+91.70, 69.5′ ± LT

"SA" 825+39.81, 69.5′ ± LT TO "SA" 825+85.25, 69.5′ ± LT

"SA" 828+03.00, 69.5′ ± LT TO "SA" 828+32.12, 67.2′ ± LT

"SA" 829+16.61, 67.7′ ± LT TO "SA" 829+35.64, 69.5′ ± LT

"SA" 829+43.54, 69.5′ ± LT TO "SA" 829+63.61, 69.5′ ± LT

"SA" 829+90.00, 69.5′ ± LT TO "SA" 830+02.86, 69.5′ ± LT

"SA" 831+36.52, 69.5′ ± LT TO "SA" 831+95.53, 69.5′ ± LT

"SA" 820+07.00, 67.1′ ± RT TO "SA" 822+88.00, 67.7′ ± RT

"SA" 823+64.91, 69.5′ ± RT TO "SA" 824+12.00, 66.5′ ± RT

"SA" 824+94.50, 66.6′ ± RT TO "SA" 825+31.29, 69.5′ ± RT

"SA" 825+59.97, 69.5′ ± RT TO "SA" 826+44.00, 66.6′ ± RT

"SA" 831+72.18, 69.5′ ± RT TO "SA" 832+00.00, 69.5′ ± RT

[8] "SA" 820+00.00, 0.0′± LT TO "SA" 821+50.00, 11.3′± LT — ROADWAY EXCAVATION.

"SA" 824+05.82, 70.0′ ± LT TO "SA" 824+20.74, 70.0′ ± LT

"SA" 824+91.70, 69.5′ ± LT TO "SA" 825+39.81, 69.5′ ± LT

"SA" 826+51.42, 67.3′ ± LT TO "SA" 827+32.54, 69.5′ ± LT

"SA" 827+72.57, 70.0′ ± LT TO "SA" 828+03.00, 69.5′ ± LT

"SA" 829+63.61, 69.5′ ± LT TO "SA" 829+90.00, 69.5′ ± LT

"SA" 829+75.00, 47.6′ ± LT TO "SA" 830+75.00, 47.6′ ± LT

"SA" 830+02.86, 69.5′ ± LT TO "SA" 831+32.65, 69.5′ ± LT

"SA" 825+31.29, 69.5′ ± RT TO "SA" 825+59.97, 69.5′ ± RT

"SA" 829+23.00, 47.6′ ± RT TO "SA" 830+23.00, 47.6′ ± RT

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

NOTE:

1. FOR SITE PREPARATION PLAN SEE SHEET SP-40.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

SITE PREPARATION ITEMS

"SA" 820+00 to "SA" 832+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: JSD CHECKED BY: KK
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-8632 • FAX (702) 736-0704

SCALE
HORIZ: NONE
VERT: NONE
FIELD BOOK: NONE

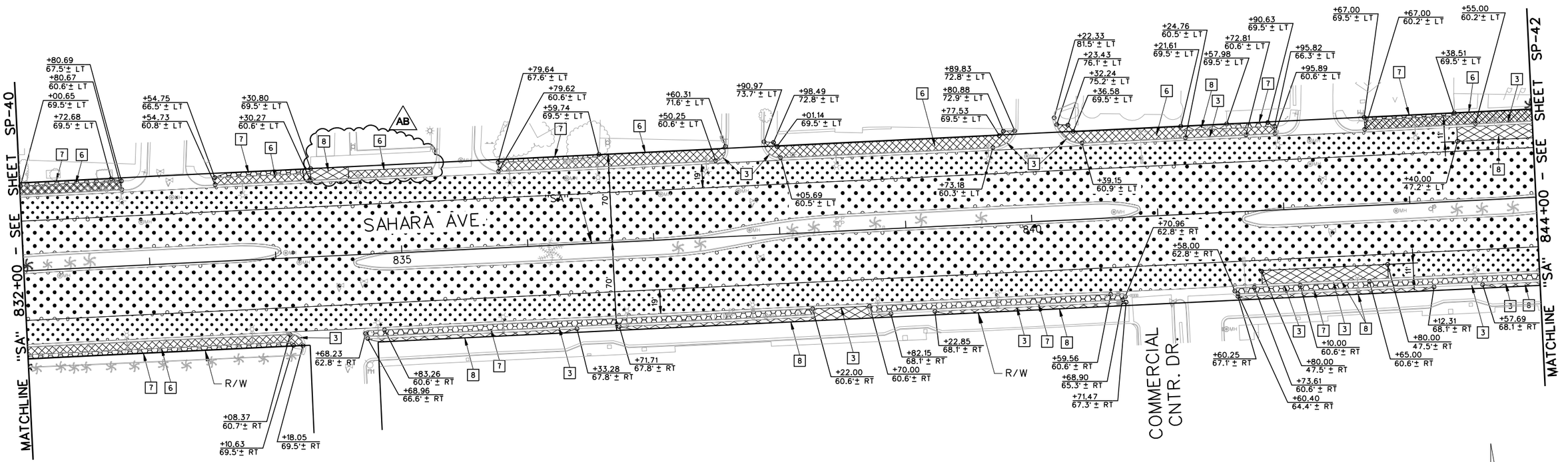
SHEET No. SP-40A

AS - BUILT - 05.31.2012

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

- LEGEND -

- LIMITS OF REMOVAL (COLD MILLING) (1")
- LIMITS OF REMOVAL (COLD MILLING) (3")
- LIMITS OF ROADWAY EXCAVATION
- LIMITS OF SIDEWALK REMOVAL
- LIMITS OF MEDIAN REMOVAL
- LIMITS OF LANDSCAPE REMOVAL



SITE PREPARATION ITEMS:

[3] "SA" 837+50.25. 60.6' ± LT TO "SA" 837+60.31. 71.6' ± LT — REMOVE CURB AND GUTTER.
"SA" 837+90.97. 73.7' ± LT TO "SA" 838+05.59. 60.5' ± LT
"SA" 839+73.18. 60.3' ± LT TO "SA" 839+89.83. 72.8' ± LT
"SA" 840+23.33. 81.5' ± LT TO "SA" 840+39.15. 60.9' ± LT
"SA" 841+24.76. 60.5' ± LT TO "SA" 841+72.81. 60.6' ± LT
"SA" 843+55.00. 60.2' ± LT TO "SA" 844+00.00. 60.2' ± LT
"SA" 834+08.37. 60.7' ± RT TO "SA" 834+18.05. 69.5' ± RT
"SA" 834+83.26. 60.6' ± RT TO "SA" 838+23.10. 60.5' ± RT
"SA" 838+68.24. 60.6' ± RT TO "SA" 840+59.56. 60.6' ± RT
"SA" 838+22.00. 60.6' ± RT TO "SA" 838+70.00. 60.6' ± RT
"SA" 841+73.61. 60.6' ± RT TO "SA" 843+12.31. 68.1' ± RT
"SA" 842+10.00. 60.6' ± RT TO "SA" 842+65.00. 60.6' ± RT
"SA" 843+12.31. 68.1' ± RT TO "SA" 843+57.69. 68.1' ± RT
"SA" 843+57.69. 68.1' ± RT TO "SA" 844+00.00. 68.1' ± RT

[6] "SA" 832+00.00. 60.6' ± LT TO "SA" 832+80.67. 60.6' ± LT — REMOVE SIDEWALK.
"SA" 833+54.73. 60.8' ± LT TO "SA" 834+30.27. 60.6' ± LT
"SA" 835+79.62. 60.6' ± LT TO "SA" 837+60.31. 71.6' ± LT
"SA" 837+90.97. 73.7' ± LT TO "SA" 839+89.83. 72.8' ± LT
"SA" 840+23.43. 76.1' ± LT TO "SA" 841+95.89. 60.6' ± LT
"SA" 842+67.00. 60.2' ± LT TO "SA" 844+00.00. 60.2' ± LT
"SA" 832+00.00. 60.6' ± RT TO "SA" 834+18.05. 69.5' ± RT
AB "SA" 834+60.80. 60.6' ± LT TO "SA" 835+27.04. 60.6' ± LT — REMOVED AND REPLACED EXISTING 6' WIDE SIDEWALK ONLY

[7] "SA" 832+00.00. 69.5' ± LT TO "SA" 832+80.69. 67.5' ± LT — REMOVE LANDSCAPE AND RESTORE IRRIGATION.
"SA" 833+54.75. 66.5' ± LT TO "SA" 834+30.80. 69.5' ± LT
"SA" 835+79.64. 67.6' ± LT TO "SA" 836+59.74. 69.5' ± LT
"SA" 841+57.98. 69.5' ± LT TO "SA" 841+95.82. 66.3' ± LT
"SA" 842+67.00. 69.5' ± LT TO "SA" 843+38.51. 69.5' ± LT
"SA" 832+00.00. 69.5' ± RT TO "SA" 834+10.63. 69.5' ± RT
"SA" 834+68.23. 62.8' ± RT TO "SA" 838+22.00. 60.6' ± RT
"SA" 838+70.00. 60.6' ± RT TO "SA" 840+70.96. 62.8' ± RT
"SA" 841+58.00. 62.8' ± RT TO "SA" 844+00.00. 62.8' ± RT

[8] "SA" 841+21.61. 69.5' ± LT TO "SA" 841+57.98. 69.5' ± LT — ROADWAY EXCAVATION.
"SA" 843+40.00. 47.2' ± LT TO "SA" 844+00.00. 47.2' ± LT
"SA" 834+68.69. 66.6' ± RT TO "SA" 836+33.28. 67.8' ± RT
"SA" 836+71.71. 67.8' ± RT TO "SA" 838+82.15. 68.1' ± RT
"SA" 839+22.85. 68.1' ± RT TO "SA" 840+71.47. 67.3' ± RT
"SA" 841+60.25. 67.1' ± RT TO "SA" 843+12.31. 68.1' ± RT
"SA" 841+80.00. 47.5' ± RT TO "SA" 842+80.00. 47.5' ± RT
"SA" 843+57.69. 68.1' ± RT TO "SA" 844+00.00. 68.1' ± RT
AB "SA" 834+30.80. 69.5' ± LT TO "SA" 834+60.80. 69.5' ± LT

40 20 0 40 80
GRAPHIC SCALE

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call 811 OR 1-800-227-2600

FAST Call before you UnderGround 1-702-432-5300 FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

SITE PREPARATION PLAN

"SA" 832+00 to "SA" 844+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: JSD CHECKED BY: KK
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. SP-41

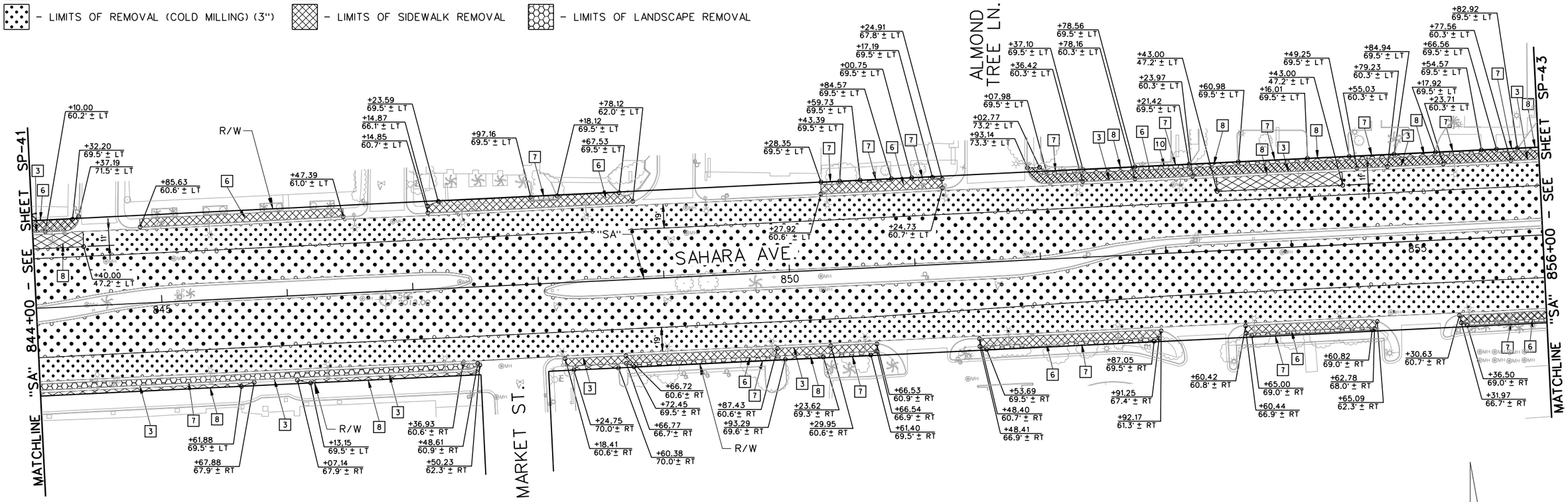
Sheet 51 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

- LEGEND -

- LIMITS OF REMOVAL (COLD MILLING) (1")
- LIMITS OF REMOVAL (COLD MILLING) (3")
- LIMITS OF ROADWAY EXCAVATION
- LIMITS OF SIDEWALK REMOVAL
- LIMITS OF MEDIAN REMOVAL
- LIMITS OF LANDSCAPE REMOVAL



AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

NOTE:

1. FOR SITE PREPARATION ITEMS SEE SHEET SP-42A.

Call 811 or 1-800-227-2600

FAST Call before you UnderGround 1-702-432-5300

CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

SITE PREPARATION PLAN

"SA" 844+00 to "SA" 856+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: JPS
DESIGNED BY: JSD CHECKED BY: KK
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. SP-42

Sheet 52 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

SITE PREPARATION ITEMS:

3 "SA" 844+00.00, 60.2' ± LT TO "SA" 844+10.00, 60.2' ± LT — REMOVE CURB AND GUTTER.

"SA" 852+36.42, 60.3' ± LT TO "SA" 852+78.16, 60.3' ± LT

"SA" 853+23.97, 60.3' ± LT TO "SA" 854+55.03, 60.3' ± LT

"SA" 854+79.23, 60.3' ± LT TO "SA" 855+23.71, 60.3' ± LT

"SA" 855+77.56, 60.3' ± LT TO "SA" 856+00.00, 60.3' ± LT

"SA" 844+00.00, 67.3' ± RT TO "SA" 844+67.88, 67.3' ± RT

"SA" 844+67.88, 67.3' ± RT TO "SA" 846+07.14, 67.2' ± RT

"SA" 846+07.14, 67.2' ± RT TO "SA" 847+36.93, 60.6' ± RT

"SA" 848+18.42, 60.6' ± RT TO "SA" 848+66.72, 60.6' ± RT

"SA" 849+87.43, 60.6' ± RT TO "SA" 850+29.95, 60.6' ± RT

6 "SA" 844+00.00, 60.2' ± LT TO "SA" 844+37.19, 71.5' ± LT — REMOVE SIDEWALK.

"SA" 844+85.63, 60.6' ± LT TO "SA" 846+47.39, 61.0' ± LT

"SA" 847+14.85, 60.7' ± LT TO "SA" 848+78.12, 62.0' ± LT

"SA" 850+27.92, 60.6' ± LT TO "SA" 851+24.73, 60.7' ± LT

"SA" 851+93.14, 73.3' ± LT TO "SA" 856+00.00, 60.3' ± LT

"SA" 848+18.42, 60.6' ± RT TO "SA" 850+66.53, 60.9' ± RT

"SA" 851+48.40, 60.7' ± RT TO "SA" 852+92.17, 61.3' ± RT

"SA" 853+60.42, 60.8' ± RT TO "SA" 854+65.09, 62.3' ± RT

"SA" 855+30.63, 60.7' ± RT TO "SA" 856+00.00, 60.7' ± RT

7 "SA" 847+97.16, 69.5' ± LT TO "SA" 848+18.12, 69.5' ± LT — REMOVE LANDSCAPE AND RESTORE IRRIGATION.

"SA" 850+28.35, 69.5' ± LT TO "SA" 850+43.39, 69.5' ± LT

"SA" 850+59.73, 69.5' ± LT TO "SA" 850+84.57, 69.5' ± LT

"SA" 851+00.75, 69.5' ± LT TO "SA" 851+24.91, 67.8' ± LT

"SA" 852+02.77, 73.2' ± LT TO "SA" 852+37.10, 69.5' ± LT

"SA" 852+78.56, 69.5' ± LT TO "SA" 853+21.42, 69.5' ± LT

"SA" 853+60.98, 69.5' ± LT TO "SA" 854+16.01, 69.5' ± LT

"SA" 854+49.25, 69.5' ± LT TO "SA" 854+84.94, 69.5' ± LT

"SA" 855+17.92, 69.5' ± LT TO "SA" 855+54.57, 69.5' ± LT

"SA" 855+66.56, 69.5' ± LT TO "SA" 855+82.92, 69.5' ± LT

"SA" 844+00.00, 65.2' ± RT TO "SA" 847+48.61, 60.9' ± RT

"SA" 848+66.72, 66.6' ± RT TO "SA" 849+93.29, 69.6' ± RT

"SA" 851+48.41, 66.9' ± RT TO "SA" 852+91.25, 67.4' ± RT

"SA" 850+23.62, 69.3' ± RT TO "SA" 850+66.54, 66.9' ± RT

"SA" 853+60.44, 66.9' ± RT TO "SA" 854+62.78, 68.0' ± RT

"SA" 855+31.97, 66.7' ± RT TO "SA" 856+00.00, 69.5' ± RT

8 "SA" 844+00.00, 47.2' ± LT TO "SA" 844+40.00, 47.2' ± LT — ROADWAY EXCAVATION.

"SA" 852+37.10, 69.5' ± LT TO "SA" 852+78.56, 69.5' ± LT

"SA" 853+21.42, 69.5' ± LT TO "SA" 853+60.68, 69.5' ± LT

"SA" 853+43.00, 47.2' ± LT TO "SA" 854+43.00, 47.2' ± LT

"SA" 854+16.01, 69.5' ± LT TO "SA" 854+49.25, 69.5' ± LT

"SA" 854+84.94, 69.5' ± LT TO "SA" 855+17.92, 69.5' ± LT

"SA" 855+82.92, 69.5' ± LT TO "SA" 856+00.00, 69.5' ± LT

"SA" 844+00.00, 68.1' ± RT TO "SA" 845+67.88, 67.9' ± RT

"SA" 846+07.14, 67.9' ± RT TO "SA" 847+50.23, 62.3' ± RT

"SA" 848+24.75, 70.0' ± RT TO "SA" 848+60.38, 70.0' ± RT

"SA" 849+93.29, 69.6' ± RT TO "SA" 850+23.62, 69.3' ± RT

10 "SA" 853+02.02, 69.3' ± LT — REMOVE TREE.

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

NOTE:

1. FOR SITE PREPARATION PLAN, SEE SHEET SP-42.

REV. NO.	DATE	DESCRIPTION	APPROVED
A	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

SITE PREPARATION ITEMS

"SA" 844+00 to "SA" 856+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: JPS
DESIGNED BY: JSD CHECKED BY: KK
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: NONE
VERT: NONE
FIELD BOOK: NONE

SHEET No. SP-42A

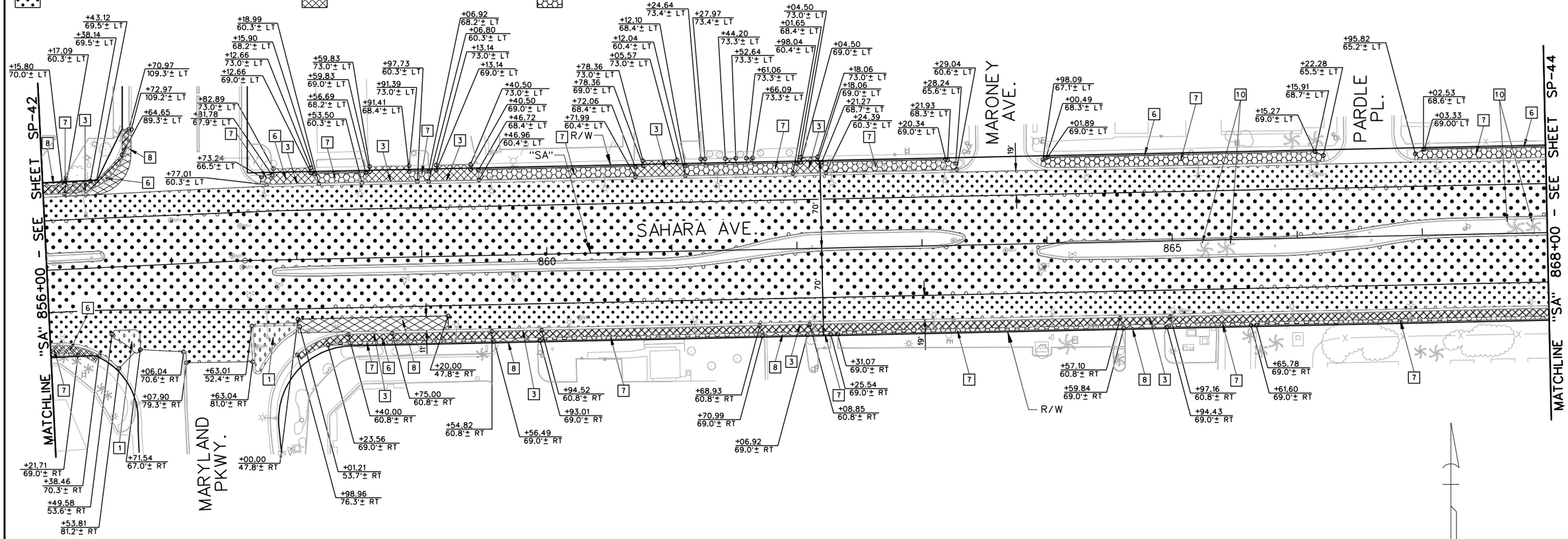
Sheet 53 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

- LEGEND -

- LIMITS OF REMOVAL (COLD MILLING) (1")
- LIMITS OF REMOVAL (COLD MILLING) (3")
- LIMITS OF ROADWAY EXCAVATION
- LIMITS OF SIDEWALK REMOVAL
- LIMITS OF MEDIAN REMOVAL
- LIMITS OF LANDSCAPE REMOVAL



SITE PREPARATION ITEMS:

[1] "SA" 856+49.58, 53.6'± RT TO "SA" 856+71.54, 67.0'± RT — REMOVE MEDIAN ISLAND INCLUDING CURB AND LANDSCAPE.
"SA" 857+63.01, 52.4'± RT TO "SA" 858+01.21, 53.7'± RT

[3] "SA" 856+00.00, 60.3'± LT TO "SA" 856+70.97, 109.3'± LT — REMOVE CURB AND GUTTER.
"SA" 857+77.01, 60.3'± LT TO "SA" 858+18.99, 60.3'± LT
"SA" 858+53.50, 60.3'± LT TO "SA" 858+97.73, 60.3'± LT
"SA" 859+06.80, 60.3'± LT TO "SA" 859+46.96, 60.4'± LT
"SA" 860+71.99, 60.4'± LT TO "SA" 861+12.04, 60.4'± LT
"SA" 861+98.04, 60.4'± LT TO "SA" 862+24.39, 60.3'± LT
"SA" 858+40.00, 60.8'± RT TO "SA" 858+75.00, 60.8'± RT
"SA" 859+54.82, 60.8'± RT TO "SA" 859+94.52, 60.8'± RT
"SA" 861+68.93, 60.8'± RT TO "SA" 862+08.85, 60.8'± RT
"SA" 864+57.10, 60.8'± RT TO "SA" 864+97.16, 60.8'± RT

[6] "SA" 856+00.00, 60.3'± LT TO "SA" 856+70.97, 109.3'± LT — REMOVE SIDEWALK.
"SA" 857+77.01, 60.3'± LT TO "SA" 863+21.93, 68.3'± LT
"SA" 864+00.49, 68.3'± LT TO "SA" 866+15.91, 68.7'± LT
"SA" 867+02.53, 68.6'± LT TO "SA" 868+00.00, 69.0'± LT
"SA" 856+00.00, 60.7'± RT TO "SA" 856+38.46, 70.3'± RT
"SA" 857+98.96, 76.3'± RT TO "SA" 868+00.00, 60.8'± RT

[7] "SA" 856+15.80, 70.0'± LT TO "SA" 856+38.14, 69.5'± LT — REMOVE LANDSCAPE AND RESTORE IRRIGATION.
"SA" 858+15.90, 68.2'± LT TO "SA" 858+56.69, 68.2'± LT
"SA" 858+91.41, 68.4'± LT TO "SA" 859+06.92, 68.2'± LT
"SA" 859+46.72, 68.4'± LT TO "SA" 860+72.06, 68.4'± LT

[7] "SA" 861+12.10, 68.4'± LT TO "SA" 862+01.65, 68.4'± LT — REMOVE LANDSCAPE AND RESTORE IRRIGATION.
"SA" 862+21.27, 68.7'± LT TO "SA" 863+28.24, 65.6'± LT
"SA" 863+98.09, 67.1'± LT TO "SA" 866+22.28, 65.5'± LT
"SA" 866+95.82, 65.2'± LT TO "SA" 868+00.00, 69.0'± LT
"SA" 856+00.00, 69.0'± RT TO "SA" 856+21.71, 69.0'± RT
"SA" 858+23.56, 69.0'± RT TO "SA" 859+56.49, 69.0'± RT
"SA" 859+93.01, 69.0'± RT TO "SA" 861+70.99, 69.0'± RT
"SA" 862+06.92, 69.0'± RT TO "SA" 862+25.54, 69.0'± RT
"SA" 862+31.07, 69.0'± RT TO "SA" 864+59.84, 69.0'± RT
"SA" 864+94.43, 69.0'± RT TO "SA" 865+61.60, 69.0'± RT
"SA" 865+65.78, 69.0'± RT TO "SA" 868+00.00, 69.0'± RT

[8] "SA" 856+00.00, 69.5'± LT TO "SA" 856+15.80, 70.0'± LT — ROADWAY EXCAVATION.
"SA" 856+17.09, 58.3'± LT TO "SA" 856+72.97, 109.2'± LT
"SA" 858+00.00, 47.8'± RT TO "SA" 859+20.00, 47.8'± RT
"SA" 859+56.49, 69.0'± RT TO "SA" 859+93.01, 69.0'± RT
"SA" 861+70.99, 69.0'± RT TO "SA" 862+06.92, 69.0'± RT
"SA" 864+59.84, 69.0'± RT TO "SA" 864+94.43, 69.0'± RT

[10] "SA" 867+74.65, 4.4'± LT; "SA" 867+88.96, 5.1'± LT; "SA" 865+25.94, 7.7'± RT; "SA" 865+43.00, 6.8'± RT — REMOVE TREE.

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S CONTROL Call 811 or 1-800-227-2600

FAST Call before you UnderGround 1-702-432-5300 FREEWAY AND ARTERIAL SYSTEMS OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. IT'S CONTROL CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

SITE PREPARATION PLAN

"SA" 856+00 to "SA" 868+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: JPS
DESIGNED BY: JSD CHECKED BY: KK
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-8632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

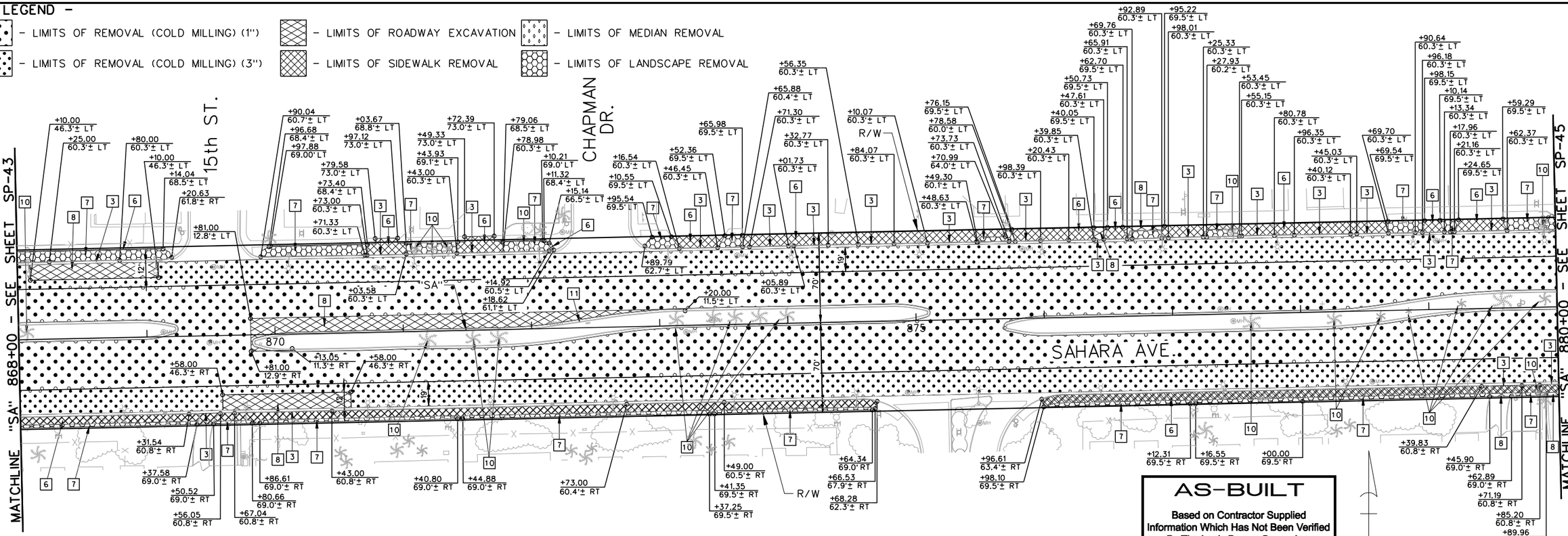
SHEET No. SP-43

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

- LEGEND -

- LIMITS OF REMOVAL (COLD MILLING) (1")
- LIMITS OF REMOVAL (COLD MILLING) (3")
- LIMITS OF ROADWAY EXCAVATION
- LIMITS OF SIDEWALK REMOVAL
- LIMITS OF MEDIAN REMOVAL
- LIMITS OF LANDSCAPE REMOVAL



AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

40 20 0 40 80
GRAPHIC SCALE

SITE PREPARATION ITEMS:

[3] "SA" 868+25.00, 60.3'± LT TO "SA" 868+80.00, 60.3'± LT — REMOVE CURB AND GUTTER.
"SA" 870+73.00, 60.3'± LT TO "SA" 871+03.58, 60.3'± LT
"SA" 871+43.00, 60.2'± LT TO "SA" 871+78.98, 60.4'± LT
"SA" 873+16.54, 60.3'± LT TO "SA" 873+46.45, 60.3'± LT
"SA" 873+71.30, 60.3'± LT TO "SA" 874+01.73, 60.3'± LT
"SA" 873+05.89, 60.3'± LT TO "SA" 874+32.77, 60.3'± LT
"SA" 874+56.35, 60.3'± LT TO "SA" 874+84.07, 60.3'± LT
"SA" 875+10.07, 60.3'± LT TO "SA" 875+48.63, 60.3'± LT
"SA" 875+73.73, 60.3'± LT TO "SA" 875+98.39, 60.3'± LT
"SA" 876+20.43, 60.3'± LT TO "SA" 876+69.76, 60.3'± LT
"SA" 876+98.01, 60.3'± LT TO "SA" 877+25.33, 60.3'± LT
"SA" 877+53.45, 60.3'± LT TO "SA" 877+80.78, 60.3'± LT

[3] "SA" 877+96.35, 60.3'± LT TO "SA" 878+40.12, 60.3'± LT — REMOVE CURB AND GUTTER.
"SA" 878+45.03, 60.3'± LT TO "SA" 878+69.70, 60.3'± LT
"SA" 878+90.64, 60.3'± LT TO "SA" 879+17.96, 60.3'± LT
"SA" 879+21.16, 60.3'± LT TO "SA" 879+62.37, 60.3'± LT
"SA" 869+31.54, 60.8'± RT TO "SA" 869+56.05, 60.8'± RT
"SA" 869+67.04, 60.8'± RT TO "SA" 870+43.00, 60.8'± RT
"SA" 879+39.83, 60.8'± RT TO "SA" 879+71.19, 60.8'± RT
"SA" 879+85.20, 60.8'± RT TO "SA" 880+00.00, 60.8'± RT

[6] "SA" 868+00.00, 68.4'± LT TO "SA" 869+14.04, 68.5'± LT — REMOVE SIDEWALK.
"SA" 869+96.68, 68.4'± LT TO "SA" 871+03.58, 60.3'± LT
"SA" 871+43.00, 60.2'± LT TO "SA" 872+11.32, 68.4'± LT
"SA" 872+14.92, 60.5'± LT TO "SA" 872+18.62, 61.1'± LT
"SA" 873+10.55, 69.5'± LT TO "SA" 873+52.36, 69.5'± LT
"SA" 873+65.88, 60.4'± LT TO "SA" 875+70.99, 64.0'± LT
"SA" 875+76.15, 69.5'± LT TO "SA" 876+40.05, 60.3'± LT
"SA" 876+47.61, 60.3'± LT TO "SA" 876+65.91, 60.3'± LT

[6] "SA" 876+92.89, 60.3'± LT TO "SA" 878+69.70, 60.3'± LT — REMOVE SIDEWALK.
"SA" 878+96.18, 60.3'± LT TO "SA" 879+13.34, 60.3'± LT
"SA" 879+21.16, 60.3'± LT TO "SA" 879+62.37, 60.3'± LT
"SA" 868+00.00, 60.8'± RT TO "SA" 874+68.28, 62.3'± RT
"SA" 875+96.61, 63.4'± RT TO "SA" 880+00.00, 60.8'± RT

[7] "SA" 868+00.00, 68.4'± LT TO "SA" 869+20.63, 61.8'± LT — REMOVE LANDSCAPE AND RESTORE IRRIGATION.
"SA" 869+90.04, 60.7'± LT TO "SA" 870+73.40, 68.4'± LT
"SA" 871+03.67, 68.8'± LT TO "SA" 871+43.93, 69.1'± LT
"SA" 871+79.06, 68.5'± LT TO "SA" 872+15.14, 66.5'± LT
"SA" 872+89.79, 62.7'± LT TO "SA" 873+16.54, 60.3'± LT
"SA" 873+46.45, 60.3'± LT TO "SA" 873+65.98, 69.5'± LT
"SA" 875+49.30, 60.1'± LT TO "SA" 875+78.58, 60.0'± LT
"SA" 876+65.91, 60.3'± LT TO "SA" 876+92.89, 60.3'± LT
"SA" 877+27.93, 60.2'± LT TO "SA" 877+55.15, 60.3'± LT
"SA" 878+69.54, 69.5'± LT TO "SA" 878+98.15, 69.5'± LT
"SA" 879+10.14, 69.5'± LT TO "SA" 879+24.65, 69.5'± LT

[7] "SA" 879+59.29, 69.5'± LT TO "SA" 880+00.00, 69.5'± LT — REMOVE LANDSCAPE AND RESTORE IRRIGATION.
"SA" 868+00.00, 69.0'± RT TO "SA" 869+37.58, 69.0'± RT
"SA" 869+50.52, 69.0'± RT TO "SA" 869+80.66, 69.0'± RT
"SA" 869+86.61, 69.0'± RT TO "SA" 871+40.80, 69.0'± RT
"SA" 871+44.88, 69.0'± RT TO "SA" 873+37.25, 69.5'± RT
"SA" 873+41.35, 69.5'± RT TO "SA" 874+66.53, 67.9'± RT
"SA" 875+98.10, 69.5'± RT TO "SA" 877+12.31, 69.5'± RT
"SA" 877+16.55, 69.5'± RT TO "SA" 879+45.90, 69.0'± RT
"SA" 879+62.89, 69.0'± RT TO "SA" 879+89.96, 69.0'± RT

[8] "SA" 868+10.00, 46.3'± LT TO "SA" 869+10.00, 46.3'± LT — ROADWAY EXCAVATION.
"SA" 876+40.05, 69.5'± LT TO "SA" 876+50.73, 69.5'± LT
"SA" 876+62.70, 69.5'± LT TO "SA" 876+95.22, 69.5'± LT
"SA" 869+58.00, 46.3'± RT TO "SA" 870+58.00, 46.3'± RT
"SA" 869+81.00, 12.9'± RT TO "SA" 873+20.00, 11.5'± LT
"SA" 879+45.90, 69.0'± RT TO "SA" 879+62.89, 69.0'± RT
"SA" 879+89.96, 69.0'± RT TO "SA" 880+00.00, 69.0'± RT

[10] "SA" 868+06.32, 5.2'± LT — REMOVE TREE.
"SA" 871+11.27, 64.4'± LT
"SA" 871+23.96, 64.1'± LT
"SA" 871+36.57, 64.1'± LT
"SA" 871+94.95, 66.4'± LT
"SA" 873+13.11, 4.7'± LT
"SA" 873+42.14, 5.8'± LT
"SA" 873+58.94, 5.6'± LT
"SA" 873+77.88, 5.4'± LT
"SA" 873+99.39, 5.8'± LT
"SA" 877+48.11, 63.3'± LT
"SA" 879+25.54, 4.0'± LT
"SA" 879+57.46, 5.6'± LT
"SA" 879+89.94, 63.0'± LT
"SA" 871+18.77, 7.0'± RT
"SA" 871+54.33, 6.6'± RT
"SA" 871+74.34, 6.1'± RT
"SA" 877+61.69, 6.9'± RT
"SA" 878+26.13, 6.0'± RT
"SA" 878+62.42, 4.3'± RT
"SA" 878+84.14, 0.7'± RT
"SA" 879+83.97, 66.8'± RT

[11] "SA" 870+13.05, 11.3'± RT TO "SA" 873+20.00, 11.5'± LT — REMOVE ISLAND CURB AND GUTTER.

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call 811 or 1-800-227-2600
FAST Call before you UnderGround 1-702-432-5300 FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION
AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DIG OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
A	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

SITE PREPARATION PLAN

"SA 868+00 to "SA" 880+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: JSD CHECKED BY: KK
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

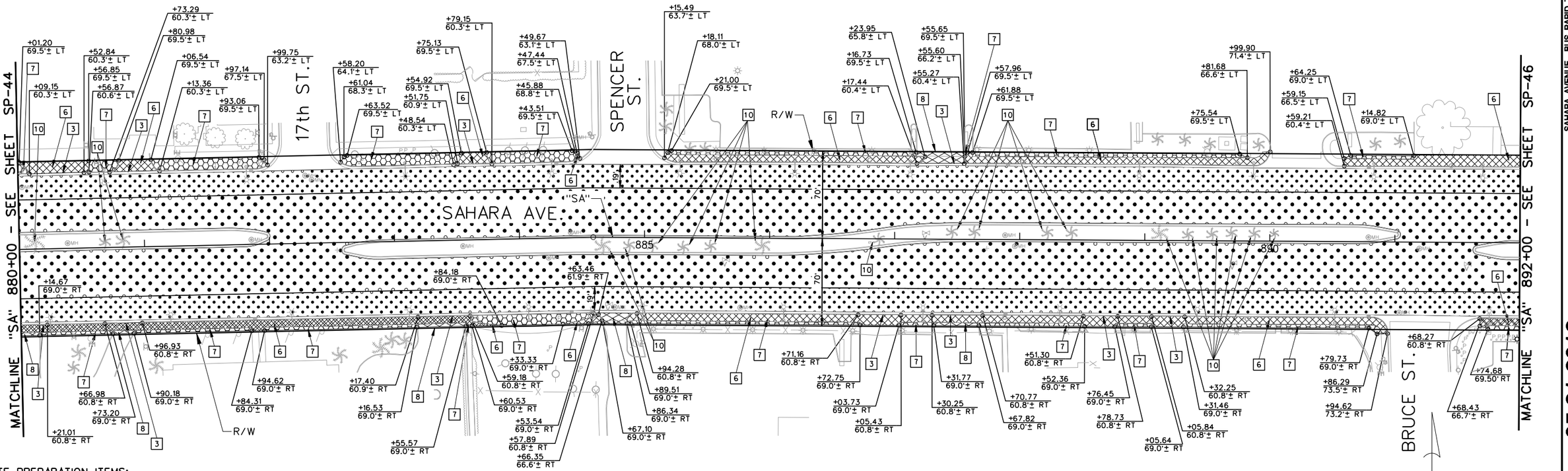
SHEET No. SP-44

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

- LEGEND -

- LIMITS OF REMOVAL (COLD MILLING) (1")
- LIMITS OF REMOVAL (COLD MILLING) (3")
- LIMITS OF ROADWAY EXCAVATION
- LIMITS OF SIDEWALK REMOVAL
- LIMITS OF MEDIAN REMOVAL
- LIMITS OF LANDSCAPE REMOVAL



SITE PREPARATION ITEMS:

[3]
"SA" 880+09.15, 60.3'± LT TO "SA" 880+52.84, 60.3'± LT
"SA" 880+73.29, 60.3'± LT TO "SA" 881+13.36, 60.3'± LT
"SA" 883+48.54, 60.3'± LT TO "SA" 883+79.15, 60.3'± LT
"SA" 887+17.44, 60.4'± LT TO "SA" 887+55.27, 60.4'± LT
"SA" 880+00.00, 60.8'± RT TO "SA" 880+21.01, 60.8'± RT
"SA" 880+66.98, 60.8'± RT TO "SA" 880+96.93, 60.8'± RT
"SA" 883+17.40, 60.9'± RT TO "SA" 883+59.18, 60.8'± RT
"SA" 886+71.16, 60.8'± RT TO "SA" 887+05.43, 60.8'± RT
"SA" 887+30.25, 60.8'± RT TO "SA" 887+70.77, 60.8'± RT
"SA" 888+51.30, 60.8'± RT TO "SA" 888+78.73, 60.8'± RT
"SA" 889+05.84, 60.8'± RT TO "SA" 889+32.25, 60.8'± RT
REMOVE CURB AND GUTTER.

[6]
"SA" 880+01.20, 69.5'± LT TO "SA" 880+56.87, 60.6'± LT
"SA" 880+73.29, 60.3'± LT TO "SA" 881+13.36, 60.3'± LT
"SA" 883+51.75, 60.9'± LT TO "SA" 883+79.15, 60.3'± LT
"SA" 885+15.49, 63.7'± LT TO "SA" 887+23.95, 65.8'± LT
"SA" 887+55.60, 66.2'± LT TO "SA" 889+99.90, 71.4'± LT
"SA" 890+59.21, 60.4'± LT TO "SA" 892+00.00, 60.4'± LT
"SA" 880+00.00, 60.8'± RT TO "SA" 883+84.18, 69.0'± RT
"SA" 884+33.33, 69.0'± RT TO "SA" 884+66.35, 66.6'± RT
"SA" 884+86.34, 69.0'± RT TO "SA" 890+94.62, 73.2'± RT
"SA" 891+68.27, 60.8'± RT TO "SA" 892+00.00, 60.8'± RT
REMOVE SIDEWALK.

[7]
"SA" 880+00.00, 69.5'± LT TO "SA" 880+09.15, 60.3'± LT
"SA" 880+56.85, 69.5'± LT TO "SA" 880+80.98, 69.5'± LT
"SA" 881+06.54, 69.5'± LT TO "SA" 881+99.75, 63.2'± LT
"SA" 882+58.20, 64.1'± LT TO "SA" 883+54.92, 69.5'± LT
"SA" 883+75.13, 69.5'± LT TO "SA" 884+49.67, 63.1'± LT
"SA" 885+18.11, 68.0'± LT TO "SA" 887+16.73, 69.5'± LT
"SA" 887+55.65, 69.5'± LT TO "SA" 887+57.96, 69.5'± LT
"SA" 887+61.88, 69.5'± LT TO "SA" 889+81.68, 66.6'± LT
"SA" 890+59.15, 66.5'± LT TO "SA" 891+14.82, 69.0'± LT
"SA" 880+14.67, 69.0'± RT TO "SA" 880+73.20, 69.0'± RT
"SA" 880+90.18, 69.0'± RT TO "SA" 881+84.31, 69.0'± RT
"SA" 881+94.62, 69.0'± RT TO "SA" 883+16.53, 69.0'± RT
"SA" 883+55.57, 69.0'± RT TO "SA" 883+60.53, 69.0'± RT
"SA" 883+59.18, 60.8'± RT TO "SA" 884+63.46, 61.9'± RT
"SA" 884+53.54, 69.0'± RT TO "SA" 884+67.10, 69.0'± RT
"SA" 884+89.51, 69.0'± RT TO "SA" 886+72.75, 69.0'± RT
"SA" 887+03.73, 69.0'± RT TO "SA" 887+31.77, 69.0'± RT
"SA" 887+67.82, 69.0'± RT TO "SA" 888+52.36, 69.0'± RT
"SA" 888+76.45, 69.0'± RT TO "SA" 889+05.64, 69.0'± RT
"SA" 889+31.46, 69.0'± RT TO "SA" 890+86.29, 73.5'± RT
"SA" 891+68.43, 66.7'± RT TO "SA" 892+00.00, 69.5'± LT
REMOVE LANDSCAPE AND RESTORE IRRIGATION.

[8]
"SA" 887+16.73, 69.5'± LT TO "SA" 887+55.65, 69.5'± LT
"SA" 880+00.00, 69.0'± RT TO "SA" 880+14.67, 69.0'± RT
"SA" 880+73.20, 69.0'± RT TO "SA" 880+90.18, 69.0'± RT
"SA" 883+16.53, 69.0'± RT TO "SA" 883+55.57, 69.0'± RT
"SA" 884+67.10, 69.0'± RT TO "SA" 884+86.34, 69.0'± RT
"SA" 887+31.77, 69.0'± RT TO "SA" 887+67.82, 69.0'± RT
ROADWAY EXCAVATION.

[10]
"SA" 880+12.26, 5.9'± LT
"SA" 880+68.44, 4.5'± LT
"SA" 880+82.91, 5.7'± LT
"SA" 887+45.78, 5.8'± LT
"SA" 887+63.78, 5.8'± LT
"SA" 888+22.14, 5.7'± LT
"SA" 888+41.48, 5.8'± LT
"SA" 889+11.98, 5.4'± LT
"SA" 889+34.57, 4.8'± LT
"SA" 889+53.87, 5.2'± LT
"SA" 889+69.44, 6.2'± LT
"SA" 889+87.69, 5.8'± LT
"SA" 890+03.65, 6.1'± LT
"SA" 884+66.50, 6.8'± RT
"SA" 884+87.65, 6.4'± RT
"SA" 885+06.18, 6.5'± RT
"SA" 885+30.94, 7.7'± RT
REMOVE TREE.

[10]
"SA" 885+52.72, 6.7'± RT
"SA" 885+94.36, 6.1'± RT
"SA" 886+87.36, 0.4'± RT
REMOVE TREE.

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

ACID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call 811 OR 1-800-227-2600

FAST Call before you UnderGround 1-702-432-5300 REGIONAL AND INTERNAL SYSTEMS OF TRANSPORTATION

ACID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

SITE PREPARATION PLAN

"SA 880+00 to "SA" 892+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No:	CB 1083	DRAWN BY:	GFV
DESIGNED BY:	JSD	CHECKED BY:	KK
APPROVED BY	RJP		

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

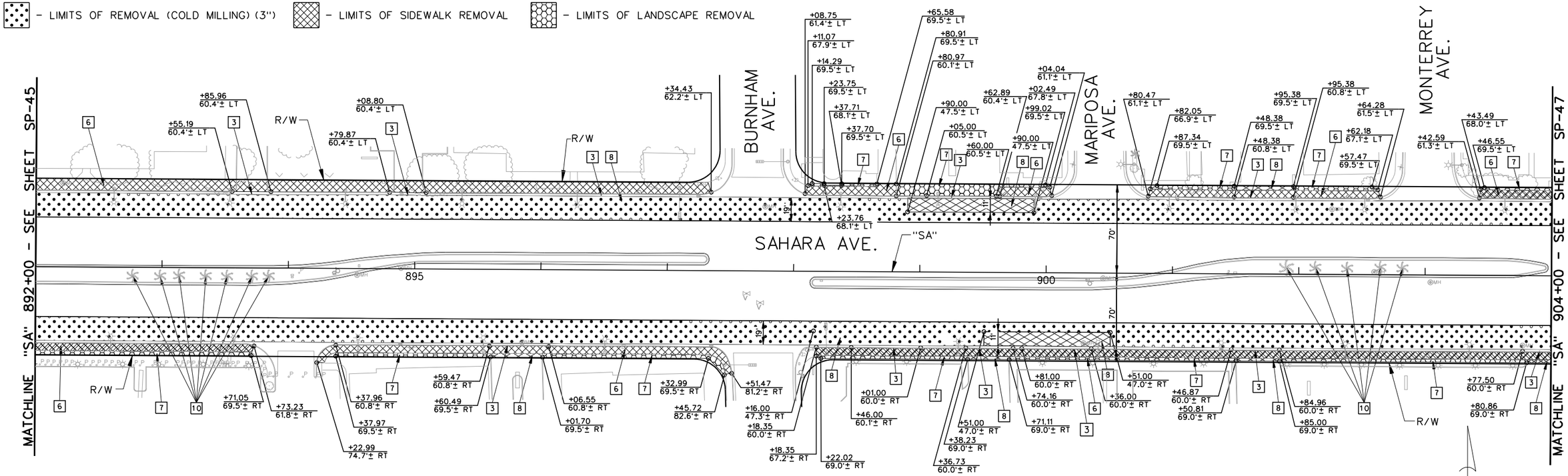
SHEET No.
SP-45
Sheet 56 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

- LEGEND -

- LIMITS OF REMOVAL (COLD MILLING) (1")
- LIMITS OF REMOVAL (COLD MILLING) (3")
- LIMITS OF ROADWAY EXCAVATION
- LIMITS OF SIDEWALK REMOVAL
- LIMITS OF MEDIAN REMOVAL
- LIMITS OF LANDSCAPE REMOVAL



SITE PREPARATION ITEMS:

[3] "SA" 893+55.19, 60.4'± LT TO "SA" 893+85.96, 60.4'± LT — REMOVE CURB AND GUTTER.
"SA" 894+79.87, 60.4'± LT TO "SA" 895+08.80, 60.4'± LT
"SA" 899+05.00, 60.5'± LT TO "SA" 899+60.00, 60.5'± LT
"SA" 901+48.38, 60.8'± LT TO "SA" 901+95.38, 60.8'± LT
"SA" 895+59.47, 60.8'± RT TO "SA" 896+06.55, 60.8'± RT
"SA" 899+81.00, 60.0'± RT TO "SA" 900+36.00, 60.0'± RT
"SA" 899+36.73, 60.0'± RT TO "SA" 899+74.16, 60.0'± RT
"SA" 901+46.87, 60.0'± RT TO "SA" 901+84.96, 60.0'± RT
"SA" 903+77.50, 60.0'± RT TO "SA" 904+00.00, 60.0'± RT

[6] "SA" 892+00.00, 60.4'± LT TO "SA" 897+34.43, 62.2'± LT — REMOVE SIDEWALK.
"SA" 898+08.75, 61.4'± LT TO "SA" 898+80.97, 60.1'± LT
"SA" 899+62.89, 60.4'± LT TO "SA" 900+04.04, 61.1'± LT
"SA" 900+80.47, 61.1'± LT TO "SA" 902+64.28, 61.5'± LT
"SA" 903+42.59, 61.3'± LT TO "SA" 904+00.00, 60.7'± LT
"SA" 892+00.00, 60.8'± RT TO "SA" 893+73.23, 61.8'± RT
"SA" 894+22.99, 74.7'± RT TO "SA" 897+51.47, 81.2'± RT
"SA" 898+18.35, 60.0'± RT TO "SA" 904+00.00, 60.0'± RT

[7] "SA" 898+11.07, 67.9'± LT TO "SA" 898+65.58, 69.5'± LT — REMOVE LANDSCAPE AND RESTORE IRRIGATION.
"SA" 898+80.91, 69.5'± LT TO "SA" 900+02.49, 67.8'± LT
"SA" 900+82.05, 66.9'± LT TO "SA" 901+48.38, 69.5'± LT
"SA" 901+95.38, 69.5'± LT TO "SA" 902+62.18, 67.1'± LT
"SA" 903+43.49, 68.0'± LT TO "SA" 904+00.00, 69.5'± LT
"SA" 892+00.00, 70.0'± RT TO "SA" 893+71.05, 69.5'± RT
"SA" 894+37.97, 69.5'± RT TO "SA" 895+60.49, 69.5'± RT
"SA" 896+01.70, 69.5'± RT TO "SA" 897+45.72, 82.6'± RT
"SA" 898+18.35, 67.2'± RT TO "SA" 899+38.23, 69.0'± RT
"SA" 899+71.11, 69.0'± RT TO "SA" 901+50.81, 69.0'± RT
"SA" 901+85.00, 69.0'± RT TO "SA" 903+80.86, 69.0'± RT

[8] "SA" 898+90.00, 47.5'± LT TO "SA" 899+90.00, 47.5'± LT — ROADWAY EXCAVATION.
"SA" 901+48.38, 69.5'± LT TO "SA" 901+95.38, 69.5'± LT
"SA" 895+60.49, 69.5'± RT TO "SA" 896+01.70, 69.5'± RT
"SA" 899+51.00, 47.0'± RT TO "SA" 900+51.00, 47.0'± RT
"SA" 899+38.23, 69.0'± RT TO "SA" 899+71.11, 69.0'± RT
"SA" 901+50.81, 69.0'± RT TO "SA" 901+85.00, 69.0'± RT
"SA" 903+80.86, 69.0'± RT TO "SA" 904+00.00, 69.0'± RT

[10] "SA" 901+90.22, 4.9'± LT — REMOVE TREE.
"SA" 902+13.05, 5.3'± LT
"SA" 902+38.09, 4.6'± LT
"SA" 902+64.57, 5.6'± LT
"SA" 902+82.04, 5.2'± LT
"SA" 892+76.79, 6.7'± RT
"SA" 892+98.61, 7.0'± RT
"SA" 893+13.59, 6.3'± RT
"SA" 893+34.71, 6.9'± RT
"SA" 893+51.70, 6.9'± RT
"SA" 893+71.27, 6.7'± RT
"SA" 893+84.52, 6.5'± RT

40 20 0 40 80
GRAPHIC SCALE

Call 811 or 1-800-227-2600 — AVOID CUTTING UNDERGROUND UTILITY LINES, IT'S COSTLY.
FAST Call before you UnderGround 1-702-432-5300 FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION
CALL BEFORE YOU DO OVERHEAD 1-702-227-2929 — AVOID HITTING OVERHEAD POWER LINES, IT'S COSTLY.

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

SITE PREPARATION PLAN

"SA" 892+00 to "SA" 904+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: JPS
DESIGNED BY: JSD CHECKED BY: KK
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-8632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. SP-46

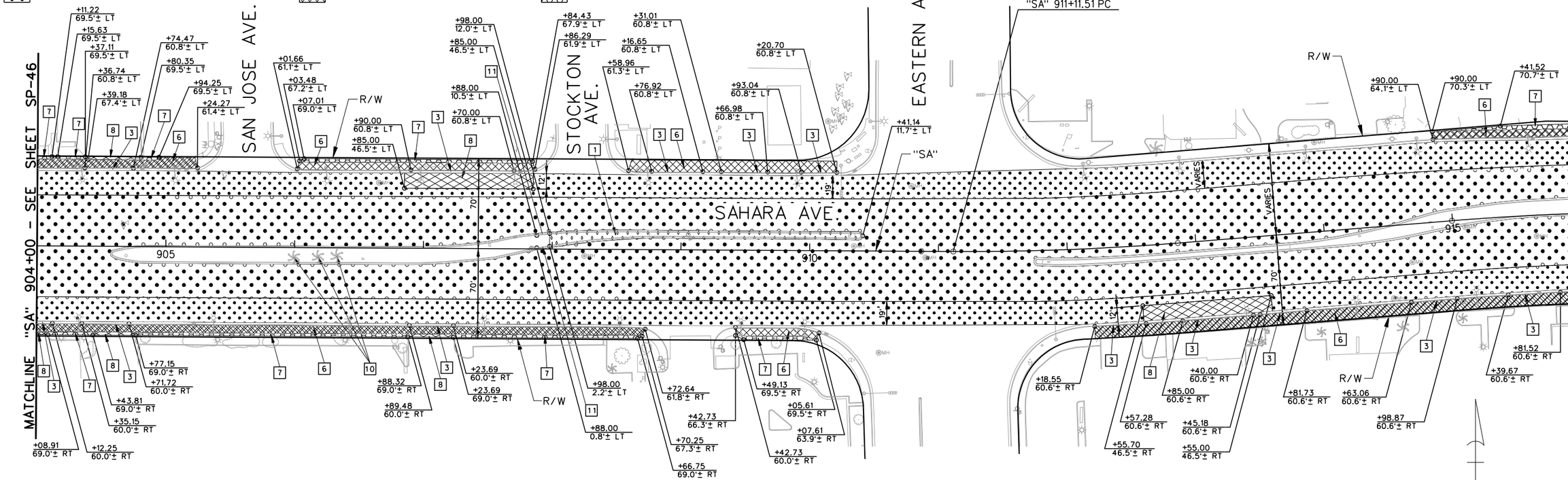
Sheet 57 of 592

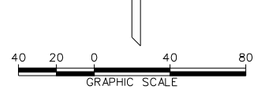
SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

- LEGEND -

- LIMITS OF REMOVAL (COLD MILLING) (1")
- LIMITS OF REMOVAL (COLD MILLING) (3")
- LIMITS OF ROADWAY EXCAVATION
- LIMITS OF SIDEWALK REMOVAL
- LIMITS OF MEDIAN REMOVAL
- LIMITS OF LANDSCAPE REMOVAL





SITE PREPARATION ITEMS:

[1] "SA" 907+98.00. 12.0'± LT TO "SA" 910+41.14. 11.7'± LT — REMOVE MEDIAN ISLAND INCLUDING CURB AND LANDSCAPE.

[3] "SA" 904+36.74. 60.8'± LT TO "SA" 904+74.47. 60.8'± LT
"SA" 906+90.00. 60.8'± LT TO "SA" 907+70.00. 60.8'± LT
"SA" 908+76.92. 60.8'± LT TO "SA" 909+16.65. 60.8'± LT
"SA" 909+31.01. 60.8'± LT TO "SA" 909+66.98. 60.8'± LT
"SA" 909+93.04. 60.8'± LT TO "SA" 910+20.70. 60.8'± LT
"SA" 904+00.00. 60.0'± RT TO "SA" 904+12.25. 60.0'± RT
"SA" 904+35.15. 60.0'± RT TO "SA" 904+71.72. 60.0'± RT
"SA" 906+89.48. 60.0'± RT TO "SA" 907+23.69. 60.0'± RT
"SA" 912+18.55. 60.6'± RT TO "SA" 912+57.28. 60.6'± RT
"SA" 912+85.00. 60.6'± RT TO "SA" 913+40.00. 60.6'± RT
— REMOVE CURB AND GUTTER.

[3] "SA" 913+45.18. 60.6'± RT TO "SA" 913+81.73. 60.6'± RT
"SA" 914+63.06. 60.6'± RT TO "SA" 914+98.87. 60.6'± RT
"SA" 915+39.67. 60.6'± RT TO "SA" 915+81.52. 60.6'± RT
— REMOVE CURB AND GUTTER.

[6] "SA" 904+00.00. 60.8'± LT TO "SA" 905+24.27. 61.4'± LT
"SA" 906+01.66. 61.1'± LT TO "SA" 907+86.29. 61.9'± LT
"SA" 908+58.96. 61.3'± LT TO "SA" 910+20.70. 60.8'± LT
"SA" 914+90.00. 64.1'± LT TO "SA" 916+00.00. 60.4'± LT
— REMOVE SIDEWALK.

[7] "SA" 904+00.00. 69.5'± LT TO "SA" 904+11.22. 69.5'± LT
"SA" 904+15.63. 69.5'± LT TO "SA" 904+39.18. 67.4'± LT
"SA" 904+80.35. 69.5'± LT TO "SA" 904+94.25. 69.5'± LT
"SA" 906+03.48. 67.2'± LT TO "SA" 907+84.43. 67.9'± LT
— REMOVE LANDSCAPE AND RESTORE IRRIGATION.

[7] "SA" 914+90.00. 70.3'± LT TO "SA" 916+00.00. 69.5'± LT
"SA" 904+08.91. 69.0'± RT TO "SA" 904+43.81. 69.0'± RT
"SA" 904+77.15. 69.0'± RT TO "SA" 906+88.32. 69.0'± RT
"SA" 907+23.69. 69.0'± RT TO "SA" 908+70.25. 67.3'± RT
"SA" 909+42.73. 66.3'± RT TO "SA" 910+05.61. 69.5'± RT
— REMOVE LANDSCAPE AND RESTORE IRRIGATION.

[8] "SA" 904+37.11. 69.5'± LT TO "SA" 904+80.35. 69.5'± LT
"SA" 906+85.00. 46.5'± LT TO "SA" 907+85.00. 46.5'± LT
"SA" 904+00.00. 69.0'± RT TO "SA" 904+08.91. 69.0'± RT
"SA" 904+43.81. 69.0'± RT TO "SA" 904+77.15. 69.0'± RT
"SA" 906+88.32. 69.0'± RT TO "SA" 907+23.69. 69.0'± RT
"SA" 912+55.70. 46.5'± RT TO "SA" 913+55.00. 46.5'± RT
— ROADWAY EXCAVATION.

[10] "SA" 905+99.50. 7.6'± RT
"SA" 906+18.17. 7.2'± RT
"SA" 906+32.84. 6.4'± RT
— REMOVE TREE.

[11] "SA" 907+88.00. 10.5'± LT TO "SA" 907+98.00. 12.0'± LT
"SA" 907+88.00. 0.8'± LT TO "SA" 907+98.00. 2.2'± LT
— REMOVE ISLAND CURB AND GUTTER.

Call 811 or 1-800-227-2600 — AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY.
FAST Call before you UnderGround 1-702-432-5300 — FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION
CALL BEFORE YOU DO OVERHEAD 1-702-227-2929 — AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY.

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

SITE PREPARATION PLAN

"SA" 904+00 to "SA" 916+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: JPS
DESIGNED BY: JSD CHECKED BY: KK
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. SP-47

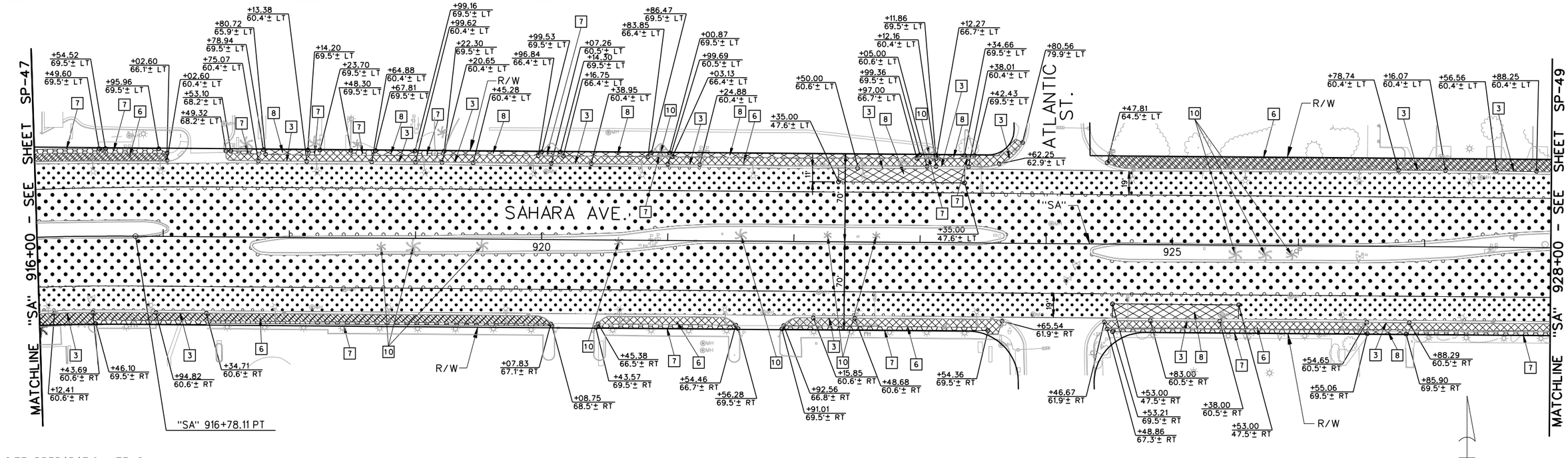
Sheet 58 of 592

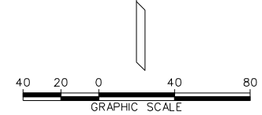
SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

- LEGEND -

- LIMITS OF REMOVAL (COLD MILLING) (1")
- LIMITS OF REMOVAL (COLD MILLING) (3")
- LIMITS OF ROADWAY EXCAVATION
- LIMITS OF SIDEWALK REMOVAL
- LIMITS OF MEDIAN REMOVAL
- LIMITS OF LANDSCAPE REMOVAL





SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

SITE PREPARATION ITEMS:

[3] REMOVE CURB AND GUTTER.

"SA" 917+75.07, 60.4'± LT TO "SA" 918+13.38, 60.4'± LT
"SA" 918+64.88, 60.4'± LT TO "SA" 918+99.62, 60.4'± LT
"SA" 919+20.65, 60.4'± LT TO "SA" 919+45.28, 60.4'± LT
"SA" 920+07.26, 60.5'± LT TO "SA" 920+38.95, 60.4'± LT
"SA" 920+99.69, 60.5'± LT TO "SA" 921+24.88, 60.4'± LT
"SA" 922+50.00, 60.6'± LT TO "SA" 923+05.00, 60.6'± LT
"SA" 923+12.16, 60.4'± LT TO "SA" 923+38.01, 60.4'± LT
"SA" 923+62.25, 62.9'± LT TO "SA" 923+80.56, 79.9'± LT
"SA" 926+78.74, 60.4'± LT TO "SA" 927+16.07, 60.4'± LT
"SA" 927+56.56, 60.4'± LT TO "SA" 927+88.25, 60.4'± LT
"SA" 916+12.41, 60.6'± RT TO "SA" 916+43.69, 60.6'± RT
"SA" 916+94.82, 60.6'± RT TO "SA" 917+34.71, 60.6'± RT

[3] REMOVE CURB AND GUTTER.

"SA" 922+15.85, 60.6'± RT TO "SA" 922+48.68, 60.6'± RT
"SA" 924+83.00, 60.5'± RT TO "SA" 925+38.00, 60.5'± RT
"SA" 926+54.65, 60.5'± RT TO "SA" 926+88.29, 60.5'± RT

[6] REMOVE SIDEWALK.

"SA" 916+00.00, 60.4'± LT TO "SA" 917+02.60, 60.4'± LT
"SA" 917+49.32, 68.2'± LT TO "SA" 923+80.56, 79.9'± LT
"SA" 924+47.81, 64.5'± LT TO "SA" 928+00.00, 60.4'± LT
"SA" 916+00.00, 60.6'± RT TO "SA" 920+07.83, 67.1'± RT
"SA" 920+45.38, 66.5'± RT TO "SA" 921+54.46, 66.7'± RT
"SA" 921+92.56, 66.8'± RT TO "SA" 923+65.54, 61.9'± RT
"SA" 924+46.67, 61.9'± RT TO "SA" 928+00.00, 60.5'± RT

[7] REMOVE LANDSCAPE AND RESTORE IRRIGATION.

"SA" 916+00.00, 69.5'± LT TO "SA" 916+49.60, 69.5'± LT
"SA" 916+54.52, 69.5'± LT TO "SA" 917+02.60, 66.1'± LT
"SA" 917+53.10, 68.2'± LT TO "SA" 917+80.72, 65.9'± LT
"SA" 918+14.20, 69.5'± LT TO "SA" 918+23.70, 69.5'± LT

[7] REMOVE LANDSCAPE AND RESTORE IRRIGATION.

"SA" 918+48.30, 69.5'± LT TO "SA" 918+67.81, 69.5'± LT
"SA" 918+99.16, 69.5'± LT TO "SA" 919+22.30, 69.5'± LT
"SA" 919+96.84, 66.4'± LT TO "SA" 920+16.75, 66.4'± LT
"SA" 920+83.85, 66.4'± LT TO "SA" 921+03.13, 66.4'± LT
"SA" 922+97.00, 66.7'± LT TO "SA" 923+12.27, 66.7'± LT
"SA" 923+34.66, 69.5'± LT TO "SA" 923+42.43, 69.5'± LT
"SA" 916+46.10, 69.5'± RT TO "SA" 920+08.75, 68.5'± RT
"SA" 920+43.55, 69.5'± RT TO "SA" 921+56.28, 69.5'± RT
"SA" 921+91.01, 69.5'± RT TO "SA" 923+54.36, 69.5'± RT
"SA" 924+48.86, 67.3'± RT TO "SA" 926+55.06, 69.5'± RT
"SA" 926+85.90, 69.5'± RT TO "SA" 928+00.00, 69.5'± RT

[8] ROADWAY EXCAVATION.

"SA" 917+78.94, 69.5'± LT TO "SA" 918+14.20, 69.5'± LT
"SA" 918+67.81, 69.5'± LT TO "SA" 918+99.16, 69.5'± LT
"SA" 919+22.30, 69.5'± LT TO "SA" 919+99.53, 69.5'± LT
"SA" 920+14.30, 69.5'± LT TO "SA" 920+86.47, 69.5'± LT

[8] ROADWAY EXCAVATION.

"SA" 921+00.87, 69.5'± LT TO "SA" 922+99.36, 69.5'± LT
"SA" 922+35.00, 47.6'± LT TO "SA" 923+35.00, 47.6'± LT
"SA" 923+11.86, 69.5'± LT TO "SA" 923+34.66, 69.5'± LT
"SA" 924+53.00, 47.5'± RT TO "SA" 925+53.00, 47.5'± RT
"SA" 926+55.06, 69.5'± RT TO "SA" 926+85.90, 69.5'± RT

[10] REMOVE TREE.

"SA" 920+93.93, 69.7'± LT
"SA" 921+57.99, 4.5'± LT
"SA" 922+26.71, 5.1'± LT
"SA" 922+65.34, 5.1'± LT
"SA" 923+06.78, 69.8'± LT
"SA" 918+72.92, 7.0'± RT
"SA" 918+98.37, 6.6'± RT
"SA" 919+52.99, 5.5'± RT
"SA" 920+61.21, 1.4'± RT
"SA" 925+49.96, 7.6'± RT
"SA" 925+73.58, 7.4'± RT
"SA" 925+94.76, 7.5'± RT

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY.
Call 811 OR 1-800-227-2600
FAST
Call before you UnderGround 1-702-432-5300
FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION
AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY.
CALL BEFORE YOU DO OVERHEAD
1-702-227-2929

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

SITE PREPARATION PLAN

"SA" 916+00 to "SA" 928+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: JPS
DESIGNED BY: JSD CHECKED BY: KK
APPROVED BY RJP

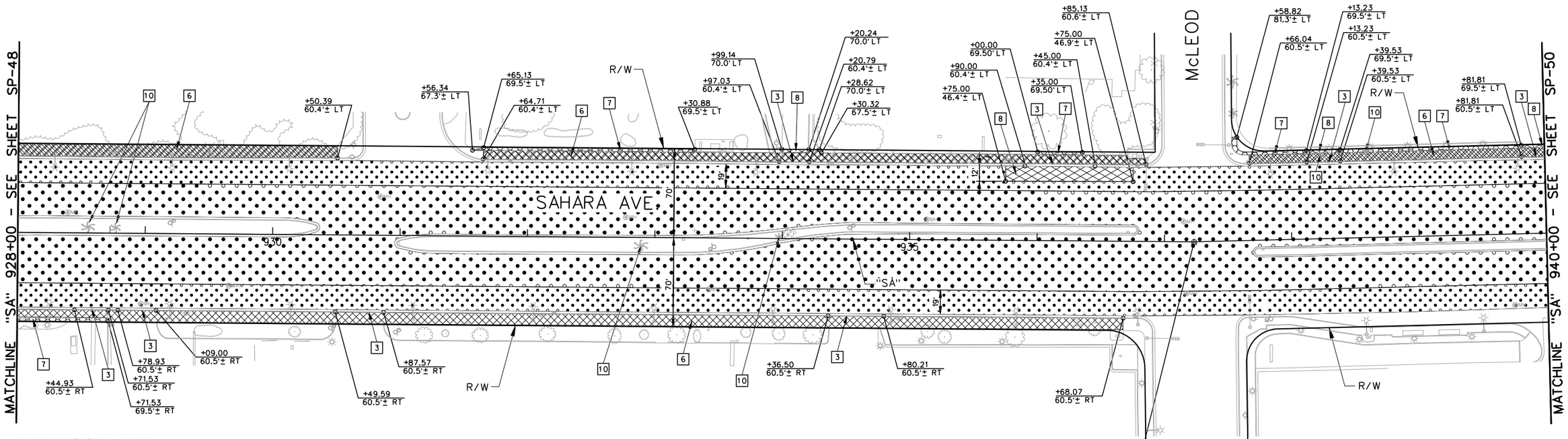
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. SP-48

- LEGEND -

- LIMITS OF REMOVAL (COLD MILLING) (1")
- LIMITS OF REMOVAL (COLD MILLING) (3")
- LIMITS OF ROADWAY EXCAVATION
- LIMITS OF SIDEWALK REMOVAL
- LIMITS OF MEDIAN REMOVAL
- LIMITS OF LANDSCAPE REMOVAL



SITE PREPARATION ITEMS:

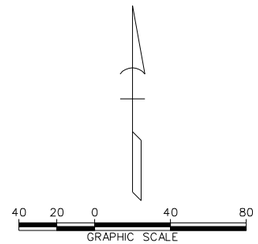
[3] REMOVE CURB AND GUTTER.
"SA" 933+97.03, 60.4'± LT TO "SA" 934+20.79, 60.4'± LT
"SA" 935+90.00, 60.4'± LT TO "SA" 936+45.00, 60.4'± LT
"SA" 938+13.23, 60.5'± LT TO "SA" 938+39.53, 60.5'± LT
"SA" 939+81.81, 60.5'± LT TO "SA" 940+00.00, 60.5'± LT
"SA" 928+44.93, 60.5'± RT TO "SA" 928+71.53, 60.5'± RT
"SA" 928+78.93, 60.5'± RT TO "SA" 929+09.00, 60.5'± RT
"SA" 930+49.59, 60.5'± RT TO "SA" 930+87.57, 60.5'± RT
"SA" 934+36.50, 60.5'± RT TO "SA" 934+80.21, 60.5'± RT

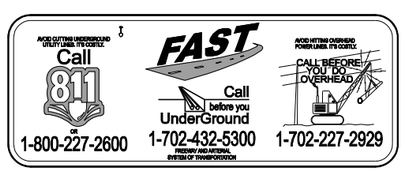
[6] REMOVE SIDEWALK.
"SA" 928+00.00, 60.4'± LT TO "SA" 930+50.39, 60.4'± LT
"SA" 931+64.71, 60.4'± LT TO "SA" 936+85.13, 60.6'± LT
"SA" 937+66.04, 60.5'± LT TO "SA" 940+00.00, 60.5'± LT
"SA" 928+00.00, 60.5'± RT TO "SA" 936+68.07, 60.5'± RT

[7] REMOVE LANDSCAPE AND RESTORE IRRIGATION.
"SA" 931+56.34, 67.3'± LT TO "SA" 933+30.88, 69.5'± LT
"SA" 936+00.00, 69.5'± LT TO "SA" 936+35.00, 69.5'± LT
"SA" 937+58.82, 81.3'± LT TO "SA" 939+13.23, 69.5'± LT
"SA" 939+39.53, 69.5'± LT TO "SA" 939+81.81, 69.5'± LT
"SA" 928+00.00, 69.5'± RT TO "SA" 928+71.53, 69.5'± RT

[8] ROADWAY EXCAVATION.
"SA" 933+99.14, 70.0' LT TO "SA" 934+20.24, 70.0' LT
"SA" 935+75.00, 46.4'± LT TO "SA" 936+75.00, 46.9'± LT
"SA" 939+13.23, 69.5'± LT TO "SA" 939+39.53, 69.5'± LT
"SA" 939+81.81, 69.5'± LT TO "SA" 940+00.00, 69.5'± LT

[10] REMOVE TREE.
"SA" 928+55.05, 4.6'± LT
"SA" 928+76.80, 4.2'± LT
"SA" 933+97.48, 1.2'± LT
"SA" 938+24.18, 66.2'± LT
"SA" 938+59.63, 67.5'± LT
"SA" 932+89.24, 6.5'± RT





AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
A	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

SITE PREPARATION PLAN

"SA" 928+00 to "SA" 940+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: JPS
DESIGNED BY: JSD CHECKED BY: KK
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

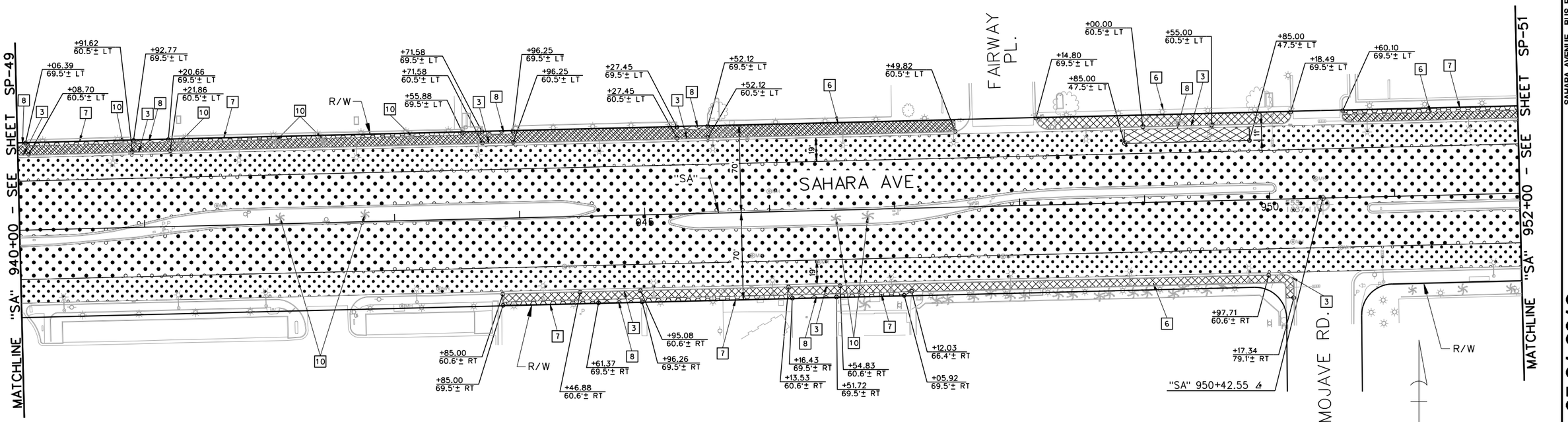
SHEET No. SP-49

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

- LEGEND -

- LIMITS OF REMOVAL (COLD MILLING) (1")
- LIMITS OF REMOVAL (COLD MILLING) (3")
- LIMITS OF ROADWAY EXCAVATION
- LIMITS OF SIDEWALK REMOVAL
- LIMITS OF MEDIAN REMOVAL
- LIMITS OF LANDSCAPE REMOVAL



SITE PREPARATION ITEMS:

[3] "SA" 940+00.00. 60.5' LT TO "SA" 940+08.70. 60.5' LT — REMOVE CURB AND GUTTER.
"SA" 940+91.62. 60.5' LT TO "SA" 941+21.86. 60.5' LT
"SA" 943+71.58. 60.5' LT TO "SA" 943+96.25. 60.5' LT
"SA" 945+27.45. 60.5' LT TO "SA" 945+52.12. 60.5' LT
"SA" 949+00.00. 60.5'± LT TO "SA" 949+55.00. 60.5'± LT
"SA" 944+46.88. 60.6'± RT TO "SA" 944+95.08. 60.6'± RT
"SA" 946+13.53. 60.6'± RT TO "SA" 946+54.83. 60.6'± RT
"SA" 949+97.71. 60.6'± RT TO "SA" 950+17.34. 79.1'± RT

[6] "SA" 940+00.00. 60.5'± LT TO "SA" 947+49.82. 60.5'± LT — REMOVE SIDEWALK.
"SA" 948+14.80. 69.5'± LT TO "SA" 950+18.49. 69.5'± LT
"SA" 950+60.10. 69.5'± LT TO "SA" 952+00.00. 60.6'± LT
"SA" 943+85.00. 60.6'± RT TO "SA" 950+17.34. 79.1'± RT

[7] "SA" 940+06.39. 69.5'± LT TO "SA" 940+92.77. 69.5'± LT — REMOVE LANDSCAPE AND RESTORE IRRIGATION.
"SA" 941+20.66. 69.5'± LT TO "SA" 943+55.88. 69.5'± LT
"SA" 950+60.10. 69.5'± LT TO "SA" 952+00.00. 69.5'± LT
"SA" 943+85.00. 69.5'± RT TO "SA" 944+61.37. 69.5'± RT
"SA" 944+96.26. 69.5'± RT TO "SA" 946+16.43. 69.5'± RT
"SA" 946+51.72. 69.5'± RT TO "SA" 947+12.03. 66.4'± RT

[8] "SA" 940+00.00. 69.5'± LT TO "SA" 940+06.39. 69.5'± LT — ROADWAY EXCAVATION.
"SA" 940+92.77. 69.5'± LT TO "SA" 941+20.66. 69.5'± LT
"SA" 943+71.58. 69.5'± LT TO "SA" 943+96.25. 69.5'± LT
"SA" 945+27.45. 69.5'± LT TO "SA" 945+52.12. 69.5'± LT
"SA" 948+85.00. 47.5'± LT TO "SA" 949+85.00. 47.5'± LT
"SA" 944+61.37. 69.5'± RT TO "SA" 944+96.26. 69.5'± RT
"SA" 946+16.43. 69.5'± RT TO "SA" 946+51.72. 69.5'± RT

[10] "SA" 940+84.17. 67.5'± LT — REMOVE TREE.
"SA" 941+29.25. 67.0'± LT
"SA" 942+06.75. 65.8'± LT
"SA" 942+08.43. 4.8'± LT
"SA" 942+44.04. 66.7'± LT
"SA" 942+76.42. 5.8'± LT
"SA" 943+15.23. 67.2'± LT
"SA" 946+52.83. 6.5'± RT
"SA" 946+78.43. 5.3'± RT

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call 811 OR 1-800-227-2600
FAST Call before you UnderGround 1-702-432-5300 FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION
AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

SITE PREPARATION PLAN

"SA" 940+00 to "SA" 952+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: JPS
DESIGNED BY: JSD CHECKED BY: KK
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. SP-50

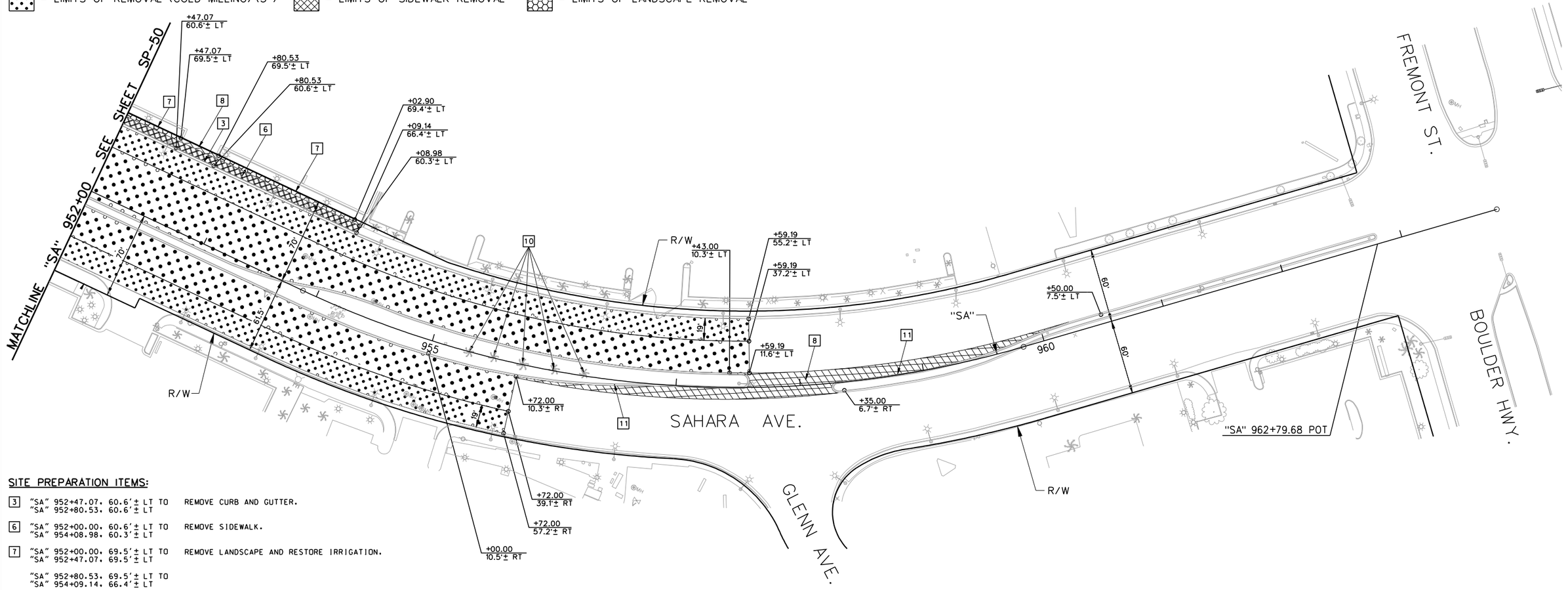
Sheet 61 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

- LEGEND -

- LIMITS OF REMOVAL (COLD MILLING) (1")
- LIMITS OF REMOVAL (COLD MILLING) (3")
- LIMITS OF ROADWAY EXCAVATION
- LIMITS OF SIDEWALK REMOVAL
- LIMITS OF MEDIAN REMOVAL
- LIMITS OF LANDSCAPE REMOVAL



SITE PREPARATION ITEMS:

[3] "SA" 952+47.07. 60.6'± LT TO "SA" 952+80.53. 60.6'± LT — REMOVE CURB AND GUTTER.

[6] "SA" 952+00.00. 60.6'± LT TO "SA" 954+08.98. 60.3'± LT — REMOVE SIDEWALK.

[7] "SA" 952+00.00. 69.5'± LT TO "SA" 952+47.07. 69.5'± LT
"SA" 952+80.53. 69.5'± LT TO "SA" 954+09.14. 66.4'± LT — REMOVE LANDSCAPE AND RESTORE IRRIGATION.

[8] "SA" 952+47.07. 69.5'± LT TO "SA" 952+80.53. 69.5'± LT
"SA" 955+00.00. 10.5'± RT TO "SA" 960+50.00. 7.5'± LT — ROADWAY EXCAVATION.

[10] "SA" 955+30.68. 0.4'± RT
"SA" 955+50.92. 0.7'± LT
"SA" 955+75.19. 0.1'± LT
"SA" 956+00.93. 1.1'± LT
"SA" 956+25.37. 1.8'± LT — REMOVE TREE.

[11] "SA" 955+00.00. 10.5'± RT TO "SA" 957+43.00. 10.3'± LT
"SA" 958+35.00. 6.7'± RT TO "SA" 960+50.00. 7.5'± LT — REMOVE ISLAND CURB AND GUTTER.

Call 811 or 1-800-227-2600 — Avoid cutting underground utility lines. It's costly.
FAST Call before you UnderGround 1-702-432-5300 — Freeway and Arterial System of Transportation
Avoid hitting overhead power lines. It's costly. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

SITE PREPARATION PLAN

"SA" 952+00 to "SA" 962+79.68

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: JPS
DESIGNED BY: JSD CHECKED BY: KK
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ : AS SHOWN
VERT : NONE
FIELD BOOK : NONE

SHEET No. SP-51

Sheet 62 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

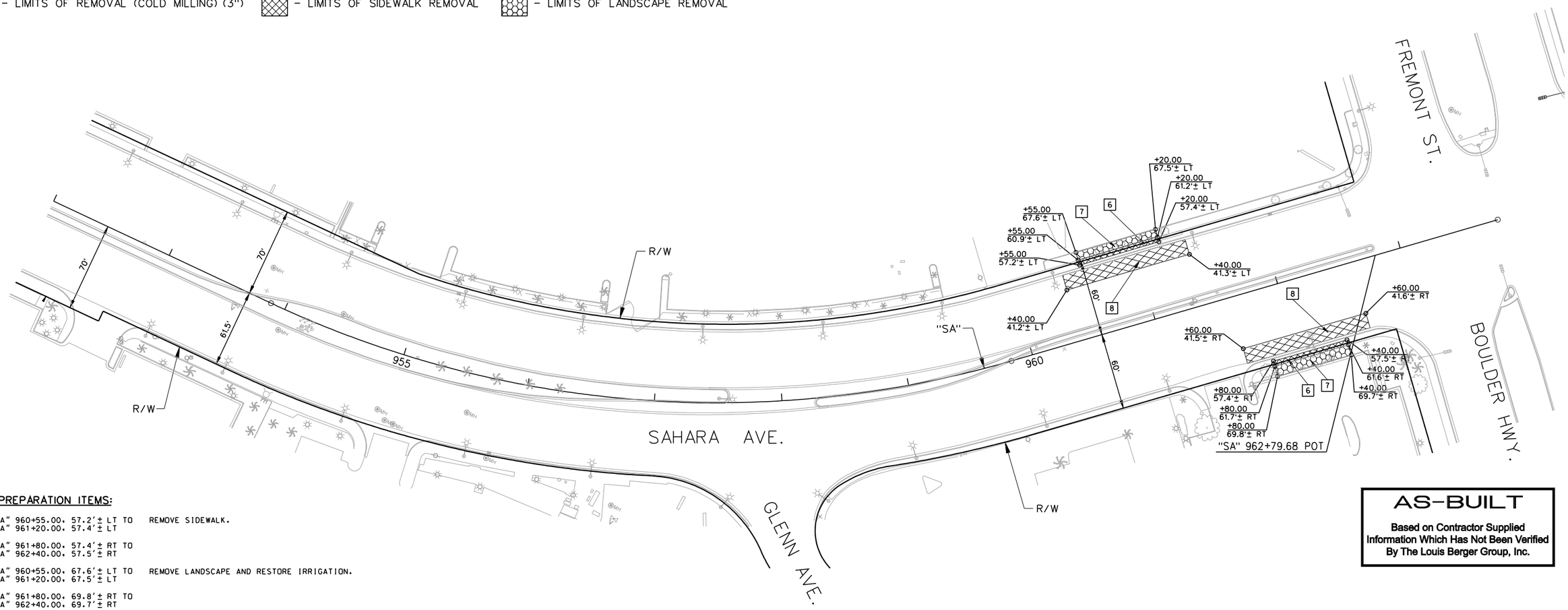
AS - BUILT - 05.31.2012

SAHARA AVENUE , BUS/BIKE LANE ALTERNATIVE

AS-BUILT - 09.30.2013

- LEGEND -

- LIMITS OF REMOVAL (COLD MILLING) (1")
- LIMITS OF REMOVAL (COLD MILLING) (3")
- LIMITS OF ROADWAY EXCAVATION
- LIMITS OF SIDEWALK REMOVAL
- LIMITS OF MEDIAN REMOVAL
- LIMITS OF LANDSCAPE REMOVAL



SITE PREPARATION ITEMS:

6 "SA" 960+55.00, 57.2'± LT TO "SA" 961+20.00, 57.4'± LT — REMOVE SIDEWALK.
"SA" 961+80.00, 57.4'± RT TO "SA" 962+40.00, 57.5'± RT

7 "SA" 960+55.00, 67.6'± LT TO "SA" 961+20.00, 67.5'± LT — REMOVE LANDSCAPE AND RESTORE IRRIGATION.
"SA" 961+80.00, 69.8'± RT TO "SA" 962+40.00, 69.7'± RT

8 "SA" 960+40.00, 41.2'± LT TO "SA" 961+40.00, 41.3'± LT — ROADWAY EXCAVATION.
"SA" 961+60.00, 41.5'± RT TO "SA" 962+60.00, 41.6'± RT

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

Call before you Dig — Call 811 or 1-800-227-2600

FAST — Call before you UnderGround 1-702-432-5300

CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
1	9/30/13	AS-BUILT	RJP

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

SITE PREPARATION PLAN

"SA" 952+00 to "SA" 962+79.68

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: JPS
DESIGNED BY: JSD CHECKED BY: KK
APPROVED BY RJP

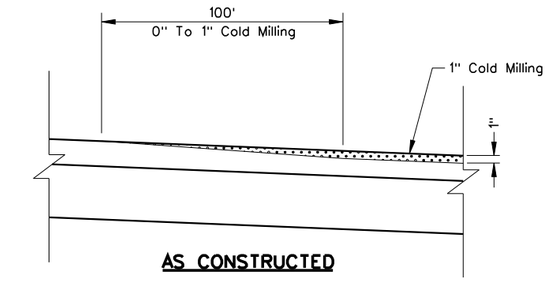
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ : AS SHOWN
VERT : NONE
FIELD BOOK : NONE

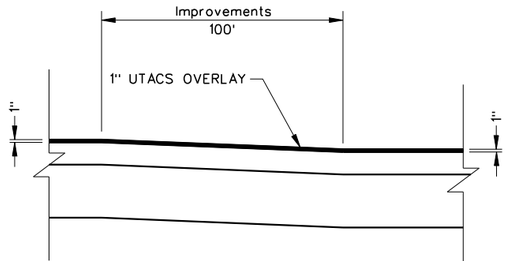
SHEET No. SP-51a

- LEGEND -

- LIMITS OF REMOVAL (COLD MILLING)



AS CONSTRUCTED



SECTION OF IMPROVEMENT

DETAIL A - LONGITUDINAL TRANSITION

NOTES:

(2) SEE TY-2 THRU TY-3 FOR MEDIAN ISLANDS IMPROVEMENTS.

(3) SIDEWALK AND SIDEWALK RAMP IMPROVEMENTS SEE CONSTRUCTION SHEETS. SEE TY-4 FOR WESTBOUND BUS PAD TYPICAL SECTION.

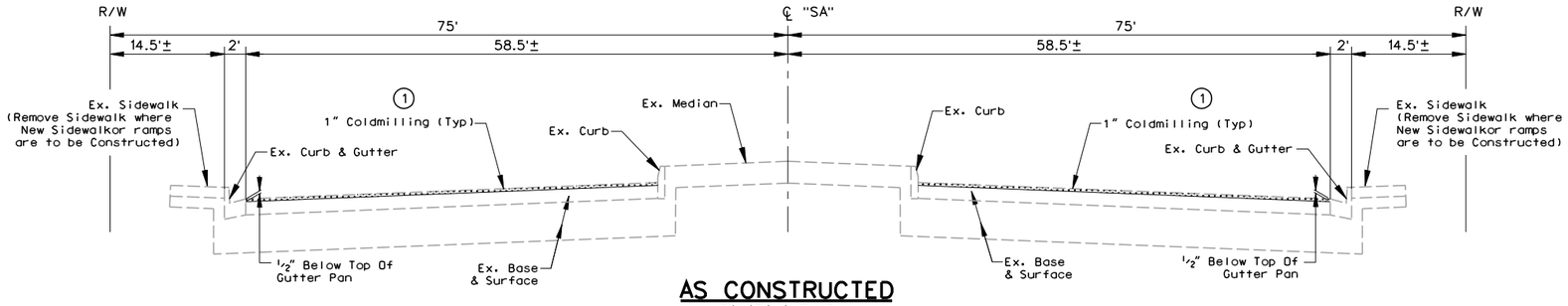
WESTBOUND BUS PAD EXCEPTIONS

"SA"	605+54.00 LT	TO	"SA"	606+54.00 LT
"SA"	712+10.00 LT	TO	"SA"	713+10.00 LT

(4) SIDEWALK AND SIDEWALK RAMPS IMPROVEMENTS SEE CONSTRUCTION SHEETS. SEE TY-5 FOR EASTBOUND BUS PAD TYPICAL SECTION.

EASTBOUND BUS PAD EXCEPTIONS

"SA"	501+30.00 RT	TO	"SA"	502+30.00 RT
"SA"	523+75.00 RT	TO	"SA"	524+75.00 RT
"SA"	538+95.00 RT	TO	"SA"	539+95.00 RT
"SA"	553+82.00 RT	TO	"SA"	554+82.00 RT
"SA"	579+58.00 RT	TO	"SA"	580+58.00 RT
"SA"	594+95.00 RT	TO	"SA"	595+95.00 RT
"SA"	609+80.00 RT	TO	"SA"	610+80.00 RT
"SA"	621+60.00 RT	TO	"SA"	622+60.00 RT
"SA"	635+45.00 RT	TO	"SA"	636+45.00 RT
"SA"	648+45.00 RT	TO	"SA"	649+45.00 RT
"SA"	663+00.00 RT	TO	"SA"	664+00.00 RT
"SA"	688+61.00 RT	TO	"SA"	689+61.00 RT

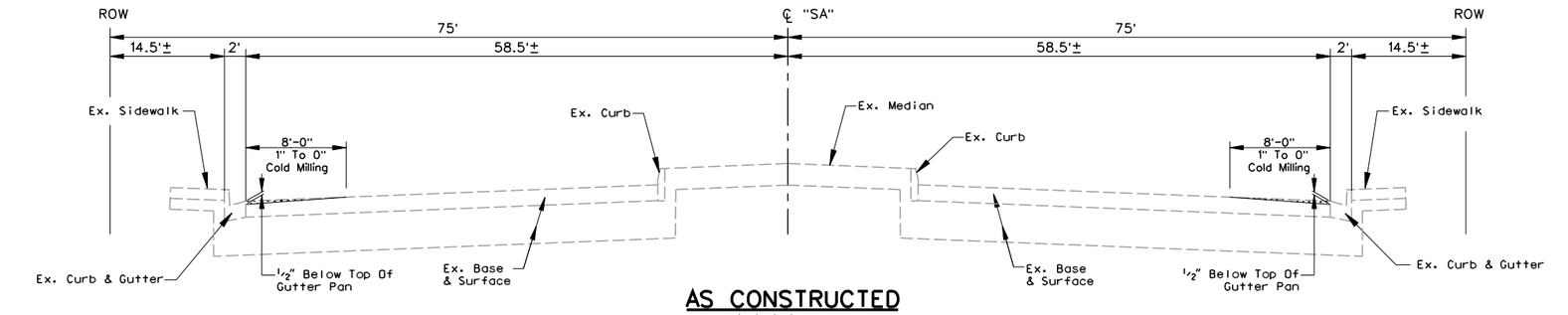


AS CONSTRUCTED

SAHARA AVENUE

(1)

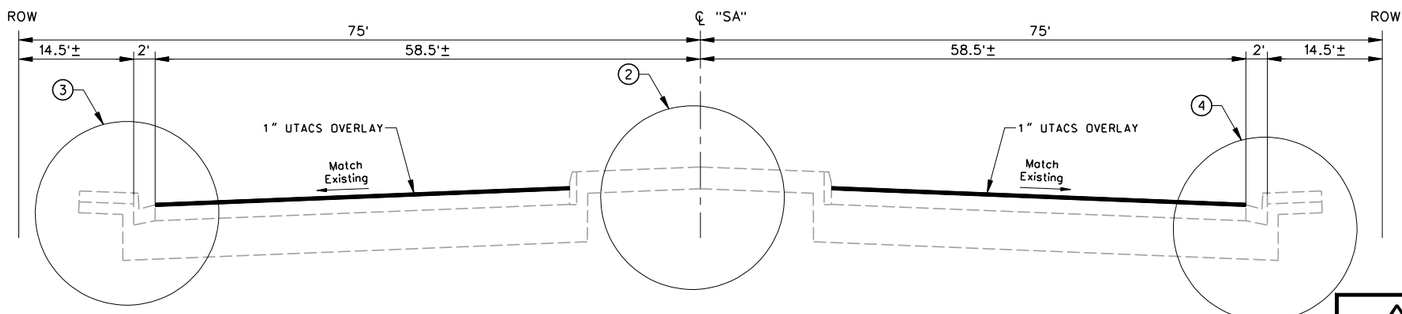
"SA"	500+42.00	TO	"SA"	502+30.00	1" Coldmilling
"SA"	502+30.00	TO	"SA"	503+30.00	VARIES FROM 1" - 0" (DETAIL A)
"SA"	522+75.00	TO	"SA"	523+75.00	VARIES FROM 0" - 1" (DETAIL A)
"SA"	523+75.00	TO	"SA"	526+60.00	1" Coldmilling
"SA"	526+60.00	TO	"SA"	527+60.00	VARIES FROM 1" - 0" (DETAIL A)
"SA"	550+70.00	TO	"SA"	551+70.00	VARIES FROM 0" - 1" (DETAIL A)
"SA"	551+70.00	TO	"SA"	554+82.00	1" Coldmilling
"SA"	554+82.00	TO	"SA"	555+82.00	VARIES FROM 1" - 0" (DETAIL A)
"SA"	604+54.00	TO	"SA"	605+54.00	VARIES FROM 0" - 1" (DETAIL A)
"SA"	605+54.00	TO	"SA"	714+33.13	1" Coldmilling



AS CONSTRUCTED

SAHARA AVENUE

"SA"	503+30.00	TO	"SA"	522+75.00
"SA"	527+60.00	TO	"SA"	550+70.00
"SA"	555+82.00	TO	"SA"	604+54.00



SECTION OF IMPROVEMENT

SAHARA AVENUE

"SA" 500+42.00 TO "SA" 714+33.13

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
A	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

TYPICAL SECTIONS

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No:	CB 1083	DRAWN BY:	SSM
DESIGNED BY:	KK	CHECKED BY:	RJP
APPROVED BY	RJP		

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE	
HORIZ:	NONE
VERT:	NONE
FIELD BOOK:	NONE

SHEET No. TY-1

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

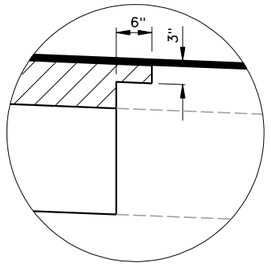
AS - BUILT - 05.31.2012

- LEGEND -

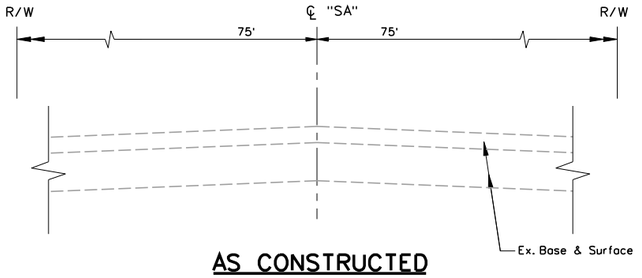
- LIMITS OF REMOVAL (1" COLD MILLING)
- LIMITS OF ROADWAY EXCAVATION
- LIMITS OF REMOVAL

NOTE:

⑥ SEE CONSTRUCTION PLANS FOR WIDTHS AND LOCATIONS.



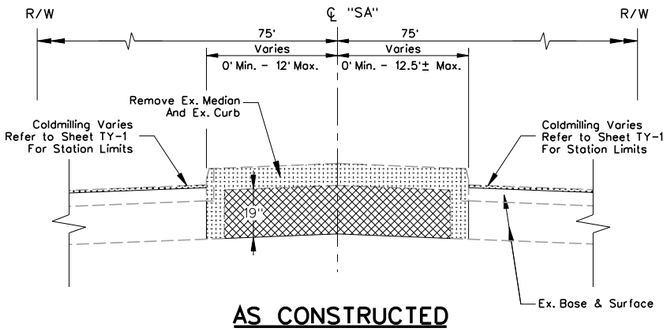
DETAIL "B"



AS CONSTRUCTED

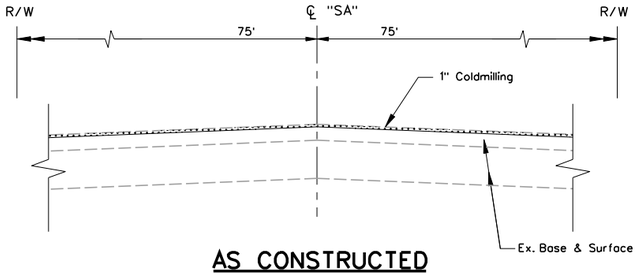
SAHARA AVENUE

"SA" 545+36.00 TO "SA" 546+07.00
"SA" 580+90.00 TO "SA" 581+90.00
"SA" 600+70± TO "SA" 601+19.00



AS CONSTRUCTED

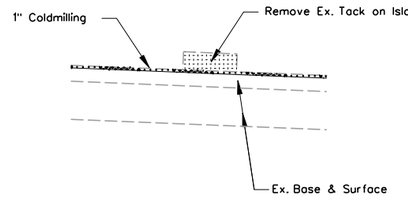
SAHARA AVENUE



AS CONSTRUCTED

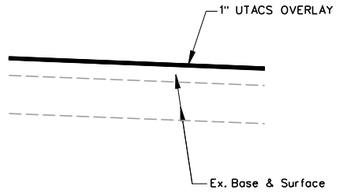
SAHARA AVENUE

"SA" 653+93.00 TO "SA" 654+92.00



AS CONSTRUCTED

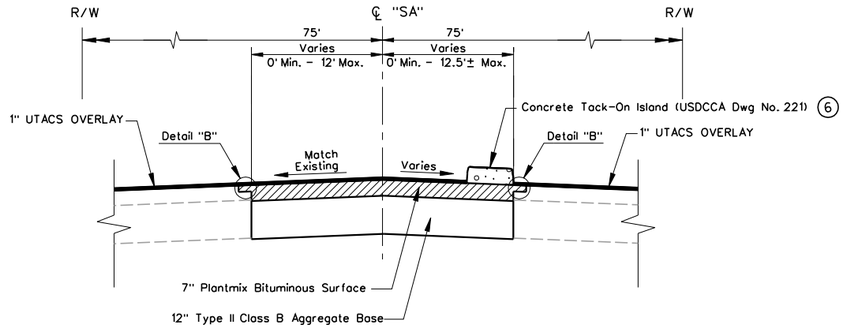
SAHARA AVENUE



SECTION OF IMPROVEMENT

SAHARA AVENUE

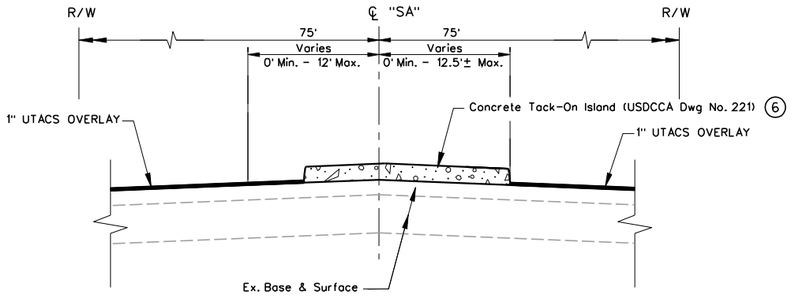
"SA" 633+33, 10'± RT TO "SA" 633+95, 10'± RT
"SA" 634+94, 10'± LT TO "SA" 635+57, 10'± LT



SECTION OF IMPROVEMENT

SAHARA AVENUE

"SA" 500+71± TO "SA" 507+18.00
"SA" 600+57.00 TO "SA" 600+70±
"SA" 604+25.00 TO "SA" 607+07±
"SA" 630+15.00 TO "SA" 633+94±
"SA" 634+96± TO "SA" 639+70.00



SECTION OF IMPROVEMENT

SAHARA AVENUE

"SA" 545+36.00 TO "SA" 546+07.00
"SA" 580+90.00 TO "SA" 581+90.00
"SA" 600+70± TO "SA" 601+19.00
"SA" 653+93.00 TO "SA" 654+92.00

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

TYPICAL SECTIONS

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: SSM
DESIGNED BY: KK CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: NONE
VERT: NONE
FIELD BOOK: NONE

SHEET No. TY-2

Sheet 64 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

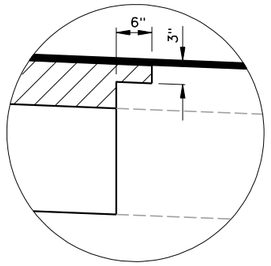
AS - BUILT - 05.31.2012

- LEGEND -

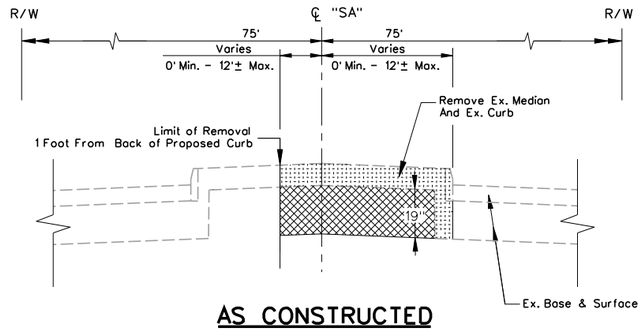
- LIMITS OF REMOVAL (1" COLD MILLING)
- LIMITS OF ROADWAY EXCAVATION
- LIMITS OF REMOVAL

NOTE:

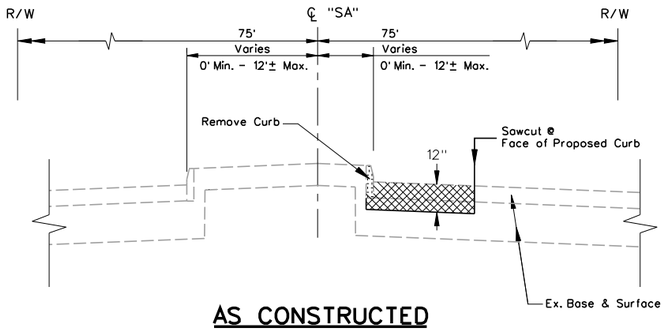
⑥ SEE CONSTRUCTION PLANS FOR WIDTHS AND LOCATIONS.



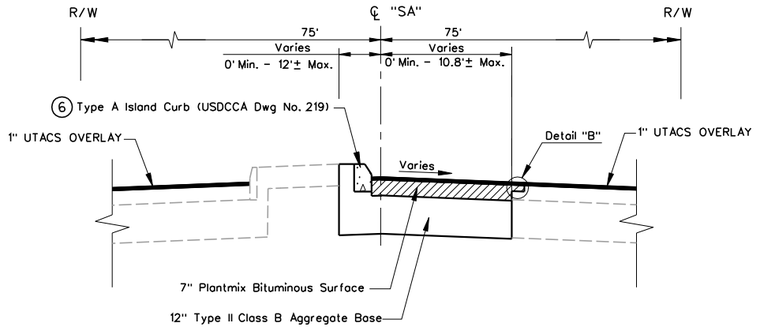
DETAIL "B"



AS CONSTRUCTED
SAHARA AVENUE

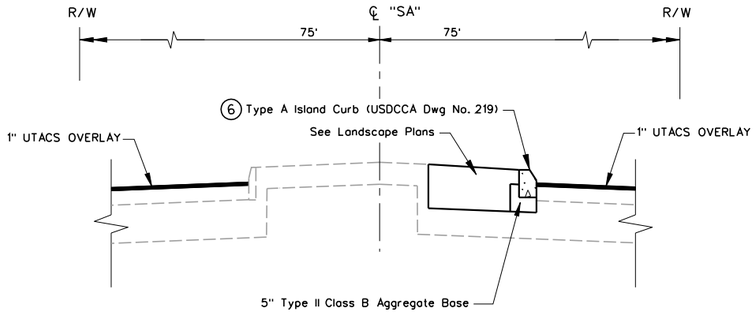


AS CONSTRUCTED
SAHARA AVENUE



SECTION OF IMPROVEMENT
SAHARA AVENUE

"SA" 564+15.00 TO "SA" 566+25±



SECTION OF IMPROVEMENT
SAHARA AVENUE

"SA" 580+79.00 TO "SA" 580+90.00
"SA" 577+46.00 TO "SA" 580+90.00

Median Nose Reconstruction:
"SA" 545+25.00, 10.5'± LT TO "SA" 545+20.00, 0.2'± RT
"SA" 546+23.00, 0.3'± LT TO "SA" 546+18.00, 10.5'± RT
"SA" 581+98.23, 0.1'± RT TO "SA" 581+98.52, 12.3'± RT
"SA" 601+30.80, 0.1'± RT TO "SA" 601+30.80, 12.3'± RT
"SA" 653+63.00, 12.4'± LT TO "SA" 653+63.00, 0.4'± RT
"SA" 655+23.00, 0.3'± LT TO "SA" 655+23.00, 12.7'± RT

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
TYPICAL SECTIONS

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: SSM
DESIGNED BY: KK CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: NONE
VERT: NONE
FIELD BOOK: NONE

SHEET No. TY-3

Sheet 65 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

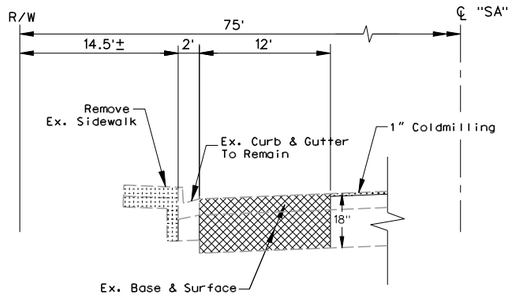
- LEGEND -

- LIMITS OF REMOVAL (COLD MILLING)
- LIMITS OF ROADWAY EXCAVATION
- LIMITS OF REMOVAL

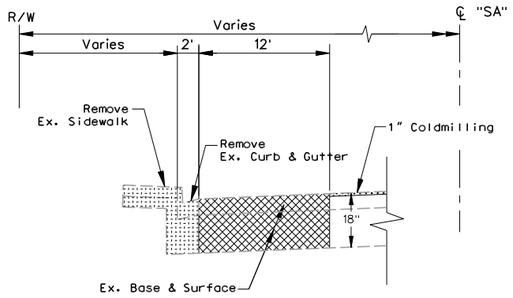
NOTES:

(A) 10" Portland Cement Concrete Pavement Per NDOT Std. Dwg. R-10.1.2

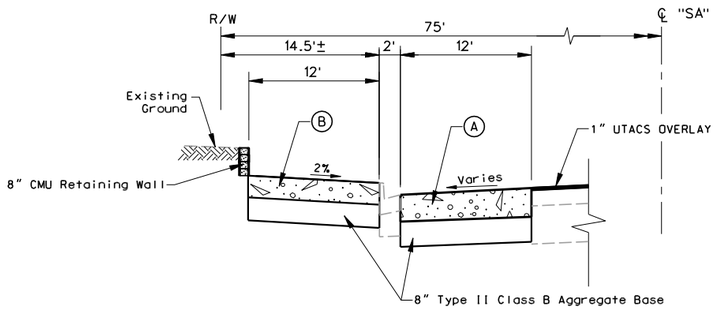
(B) Portland Cement Concrete Bus Shelter Pad Per Construction Plans and Details Per BS plans.



AS CONSTRUCTED
SAHARA AVENUE - WESTBOUND BUS PAD

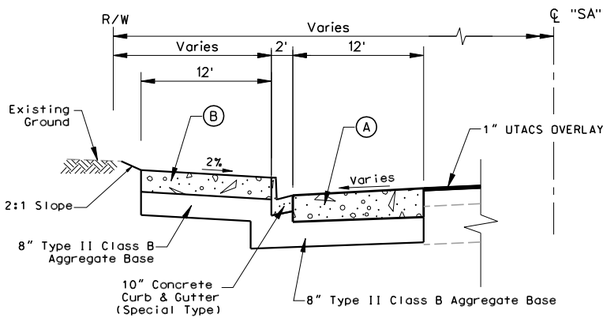


AS CONSTRUCTED
SAHARA AVENUE - WESTBOUND BUS PAD



SECTION OF IMPROVEMENT
SAHARA AVENUE - WESTBOUND BUS PAD

"SA" 605+54.00 LT TO "SA" 606+54.00 LT



SECTION OF IMPROVEMENT
SAHARA AVENUE - WESTBOUND BUS PAD

"SA" 712+10.00 LT TO "SA" 713+10.00 LT

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
A	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
TYPICAL SECTIONS

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: SSM
DESIGNED BY: KK CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ : NONE
VERT : NONE
FIELD BOOK : NONE

SHEET No. TY-4

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

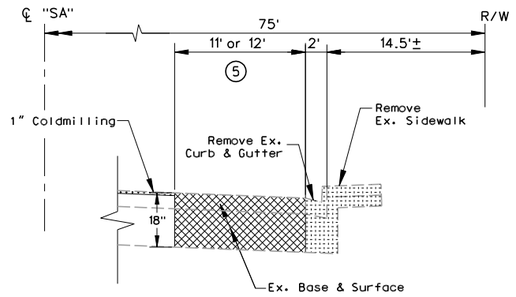
- LEGEND -

- LIMITS OF REMOVAL (COLD MILLING)
- LIMITS OF ROADWAY EXCAVATION
- LIMITS OF REMOVAL

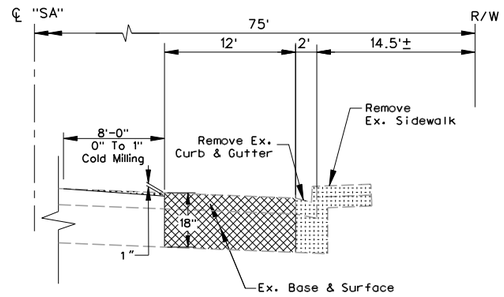
NOTES:

(A) 10" Portland Cement Concrete Pavement Per NDOT Std. Dwg. R-10.1.2

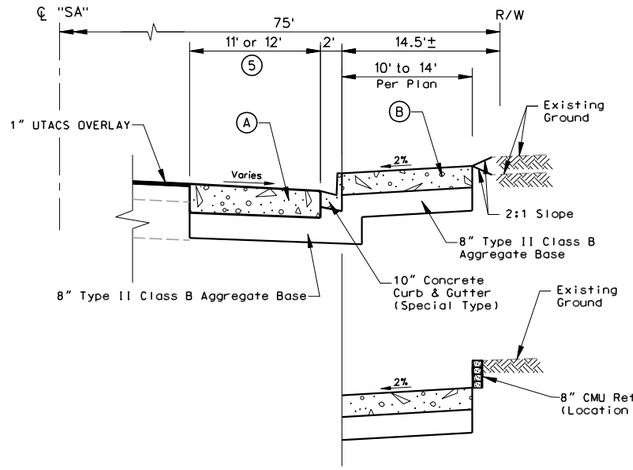
(B) Portland Cement Concrete Bus Shelter Pad Per Construction Plans and Details Per BS plans.



AS CONSTRUCTED
SAHARA AVENUE - EASTBOUND BUS PAD

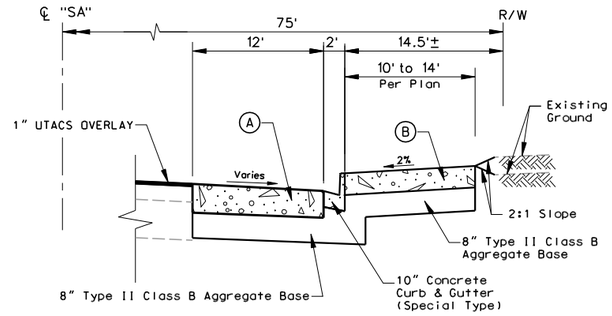


AS CONSTRUCTED
SAHARA AVENUE - EASTBOUND BUS PAD



SECTION OF IMPROVEMENT
SAHARA AVENUE - EASTBOUND BUS PAD

						(5)
"SA"	501+30.00 RT	TO	"SA"	502+30.00 RT	- 12'
"SA"	523+75.00 RT	TO	"SA"	524+75.00 RT	- 12'
"SA"	553+82.00 RT	TO	"SA"	554+82.00 RT	- 11'
"SA"	609+80.00 RT	TO	"SA"	610+80.00 RT	- 11'
"SA"	621+60.00 RT	TO	"SA"	622+60.00 RT	- 12'
"SA"	635+45.00 RT	TO	"SA"	636+45.00 RT	- 12'
"SA"	648+45.00 RT	TO	"SA"	649+45.00 RT	- 12'
"SA"	663+00.00 RT	TO	"SA"	664+00.00 RT	- 12'
"SA"	688+61.00 RT	TO	"SA"	689+61.00 RT	- 12'



SECTION OF IMPROVEMENT
SAHARA AVENUE - EASTBOUND BUS PAD

"SA"	538+95.00 RT	TO	"SA"	539+95.00 RT
"SA"	579+58.00 RT	TO	"SA"	580+58.00 RT
"SA"	594+95.00 RT	TO	"SA"	595+95.00 RT

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
TYPICAL SECTIONS

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: SSM
DESIGNED BY: KK CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: NONE
VERT: NONE
FIELD BOOK: NONE

SHEET No. TY-5

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

- LEGEND -

- LIMITS OF REMOVAL (COLD MILLING)

NOTES:

(7) SEE TY-8 THRU TY-9 FOR MEDIAN ISLANDS IMPROVEMENTS.

(8) SIDEWALK AND SIDEWALK RAMP IMPROVEMENTS SEE CONSTRUCTION SHEETS.
SEE TY-10 THRU TY-12 FOR WESTBOUND BUS PAD TYPICAL SECTION.
SEE TY-13 FOR RIGHT-TURN LANE TYPICAL SECTION.

WESTBOUND RIGHT-TURN LANE EXCEPTION

"Pe"	136+03.15	TO	"Pe"	138+71.26

WESTBOUND BUS PAD EXCEPTION

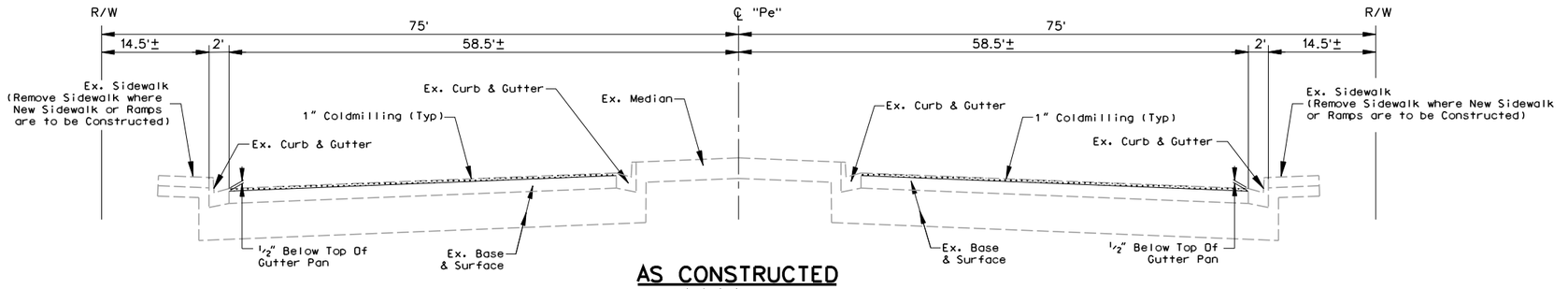
"Pe"	44+50.00	TO	"Pe"	45+50.00
"Pe"	61+25.00	TO	"Pe"	62+25.00
"Pe"	81+70.00	TO	"Pe"	82+70.00
"Pe"	117+50.00	TO	"Pe"	118+50.00
"Pe"	133+40.00	TO	"Pe"	134+40.00
"Pe"	145+40.00	TO	"Pe"	146+40.00
"Pe"	157+75.00	TO	"Pe"	158+75.00
"Pe"	187+35.00	TO	"Pe"	188+75.00
"Pe"	206+15.00	TO	"Pe"	207+15.00
"Pe"	226+80.00	TO	"Pe"	227+80.00

(9) SIDEWALK AND SIDEWALK RAMPS IMPROVEMENTS SEE CONSTRUCTION SHEETS.
SEE TY-10 THRU TY-12 FOR EASTBOUND BUS PAD TYPICAL SECTION.

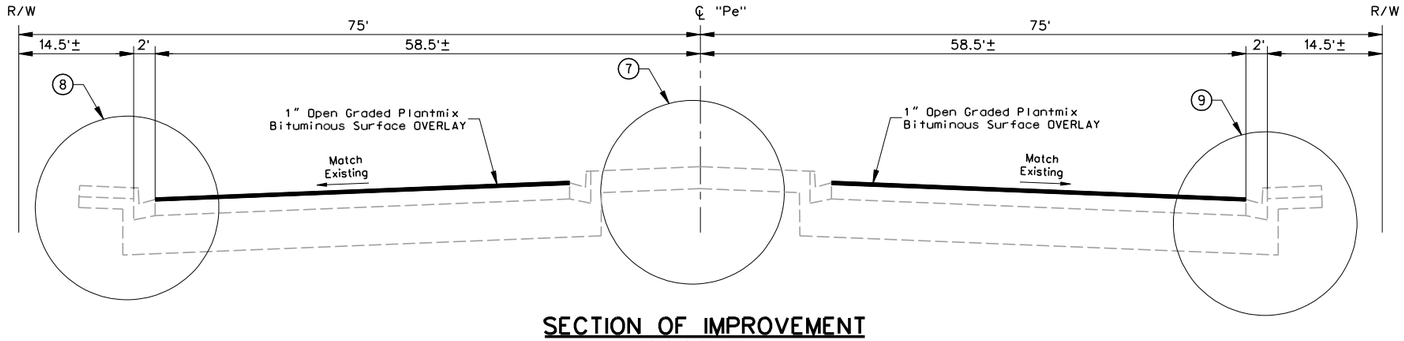
EASTBOUND BUS PAD EXCEPTION

"Pe"	34+95.00	TO	"Pe"	35+95.00
"Pe"	47+30.00	TO	"Pe"	48+30.00
"Pe"	60+20.00	TO	"Pe"	61+20.00
"Pe"	87+15.00	TO	"Pe"	88+15.00
"Pe"	111+00.00	TO	"Pe"	112+00.00
"Pe"	123+65.00	TO	"Pe"	124+65.00
"Pe"	137+05.00	TO	"Pe"	138+05.00
"Pe"	157+15.00	TO	"Pe"	158+15.00
"Pe"	177+45.00	TO	"Pe"	178+45.00
"Pe"	189+03.00	TO	"Pe"	190+03.00
"Pe"	189+03.00	TO	"Pe"	190+03.00
"Pe"	211+45.00	TO	"Pe"	212+45.00

(10) EXISTING OFFSET SIDEWALK BETWEEN
"Pe" 160+20± LT TO "Pe" 174+00± LT TO REMAIN



AS CONSTRUCTED
SAHARA AVENUE



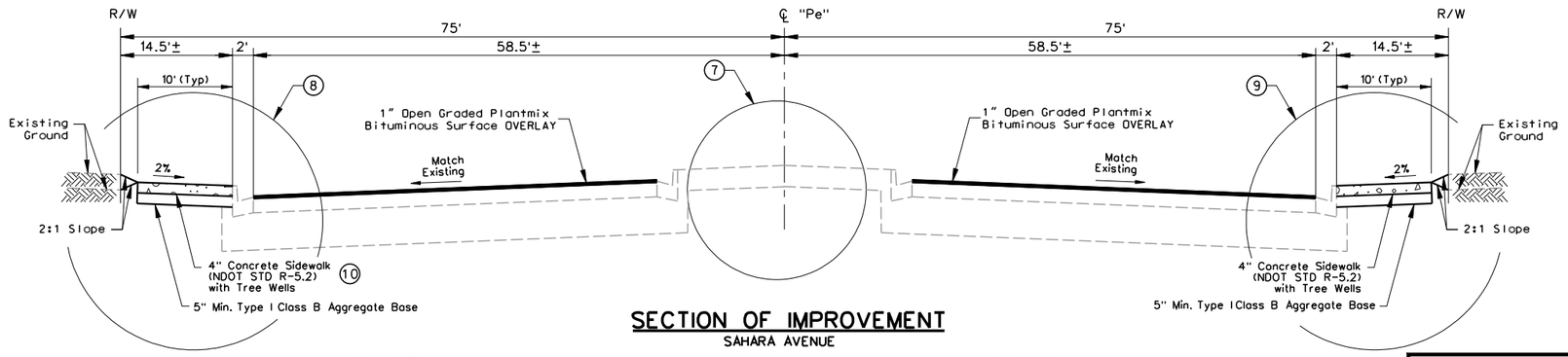
SECTION OF IMPROVEMENT
SAHARA AVENUE

WESTBOUND

"Pe" 32+80.83 LT TO "Pe" 136+02± LT

EASTBOUND

"Pe" 32+80.83 RT TO "Pe" 136+16± RT



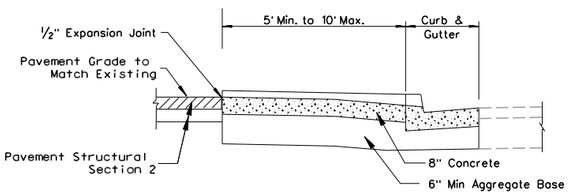
SECTION OF IMPROVEMENT
SAHARA AVENUE

WESTBOUND

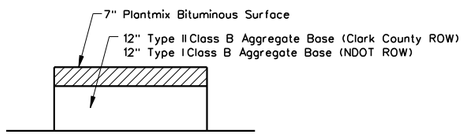
"Pe" 136+02± LT TO "Pe" 225+55.00 LT

EASTBOUND

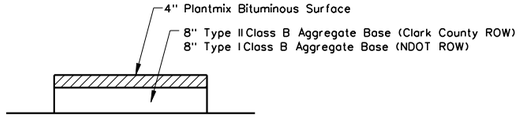
"Pe" 136+16± RT TO "Pe" 213+24.10 RT
"Pe" 225+30.00 RT TO "Pe" 225+55.00 RT



SINGLE FAMILY DRIVEWAY TYPICAL SECTION



PAVEMENT STRUCTURAL SECTION 1



PAVEMENT STRUCTURAL SECTION 2

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
A/B	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
TYPICAL SECTIONS

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: SSM
DESIGNED BY: KK CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: NONE
VERT: NONE
FIELD BOOK: NONE

SHEET No. TY-6

Sheet 68 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

- LEGEND -

- LIMITS OF REMOVAL (COLD MILLING)

- LIMITS OF REMOVAL

NOTES:

(11) SEE TY-8 THRU TY-9 FOR MEDIAN ISLANDS IMPROVEMENTS.

(12) SIDEWALK AND SIDEWALK RAMP IMPROVEMENTS SEE CONSTRUCTION SHEETS. SEE TY-10 THRU TY-12 FOR WESTBOUND BUS PAD TYPICAL SECTION.

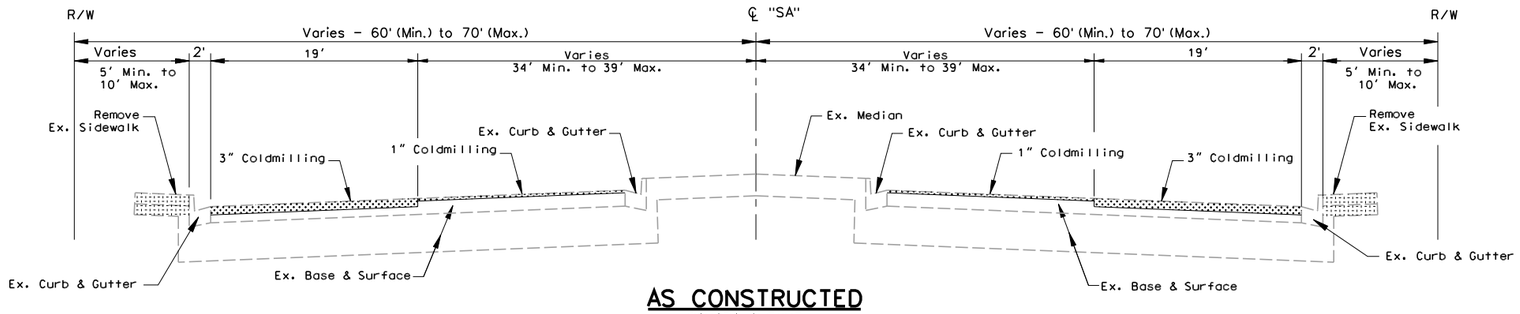
WESTBOUND BUS PAD EXCEPTION

"SA"	818+85.00	TO	"SA"	819+85.00
"SA"	829+75.00	TO	"SA"	830+75.00
"SA"	843+40.00	TO	"SA"	844+40.00
"SA"	853+43.00	TO	"SA"	854+43.00
"SA"	868+10.00	TO	"SA"	869+10.00
"SA"	898+90.00	TO	"SA"	899+90.00
"SA"	906+85.00	TO	"SA"	907+85.00
"SA"	922+35.00	TO	"SA"	923+35.00
"SA"	935+75.00	TO	"SA"	936+75.00
"SA"	948+85.00	TO	"SA"	949+85.00

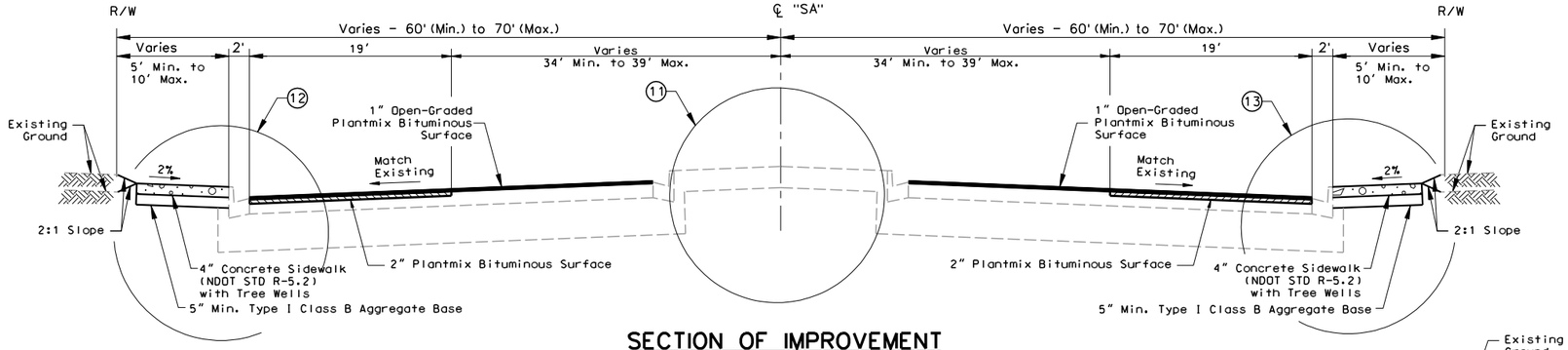
(13) SIDEWALK AND SIDEWALK RAMPS IMPROVEMENTS SEE CONSTRUCTION SHEETS. SEE TY-10 THRU TY-12 FOR EASTBOUND BUS PAD TYPICAL SECTION.

EASTBOUND BUS PAD EXCEPTION

"SA"	805+80.00	TO	"SA"	806+80.00
"SA"	815+20.00	TO	"SA"	816+20.00
"SA"	829+23.00	TO	"SA"	830+23.00
"SA"	841+80.00	TO	"SA"	842+80.00
"SA"	858+00.00	TO	"SA"	859+20.00
"SA"	869+58.00	TO	"SA"	870+58.00
"SA"	899+51.00	TO	"SA"	900+51.00
"SA"	912+55.00	TO	"SA"	913+55.00
"SA"	924+53.00	TO	"SA"	925+53.00



AS CONSTRUCTED
SAHARA AVENUE



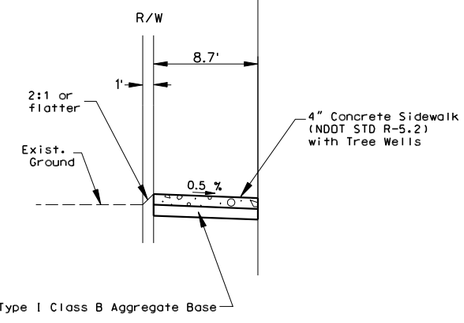
SECTION OF IMPROVEMENT
SAHARA AVENUE

WESTBOUND

"SA" 805+03.22 LT TO "SA" 957+59.19 LT

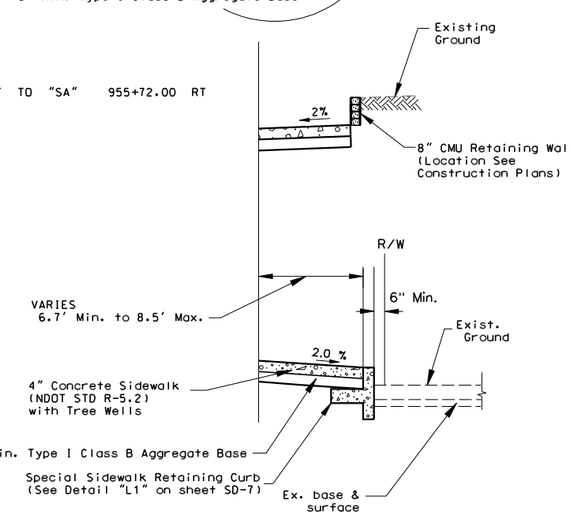
EASTBOUND

"SA" 805+03.22 RT TO "SA" 955+72.00 RT



"SA" 857+77.01 LT TO "SA" 863+29.04 LT

"SA" 863+96.01 LT TO "SA" 866+22.95 LT



"SA" 834+69.99 RT TO "SA" 840+72.84 RT

"SA" 841+60.40 RT TO "SA" 847+49.28 RT

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

AS - BUILT - 05.31.2012

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

REV. NO.	DATE	DESCRIPTION	APPROVED
A	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
TYPICAL SECTIONS

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: SSM
DESIGNED BY: KK CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: NONE
VERT: NONE
FIELD BOOK: NONE

SHEET No. TY-7

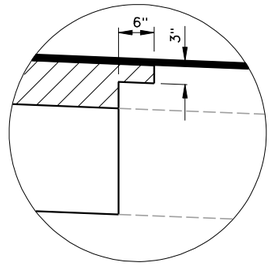
- LEGEND -

- LIMITS OF REMOVAL (1" COLD MILLING)
- LIMITS OF ROADWAY EXCAVATION
- LIMITS OF REMOVAL

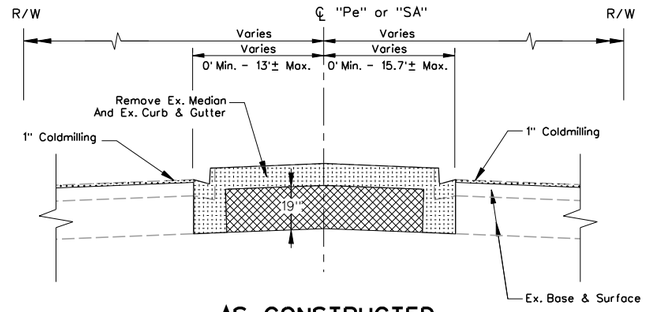
NOTES:

(6) SEE CONSTRUCTION PLANS FOR WIDTHS AND LOCATIONS.

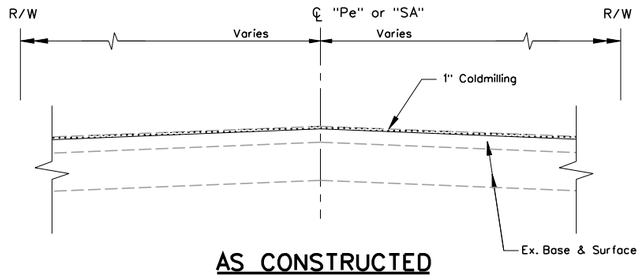
(14) MEDIAN ISLANDS ARE LOCATED AT THE ZONE, WHERE 3" COLDMILLING OF EXISTING PAVEMENT AND OVERLAY WITH 2" PBS AND 1" OPEN GRADED PBS. SEE PLANS FOR LIMITS.



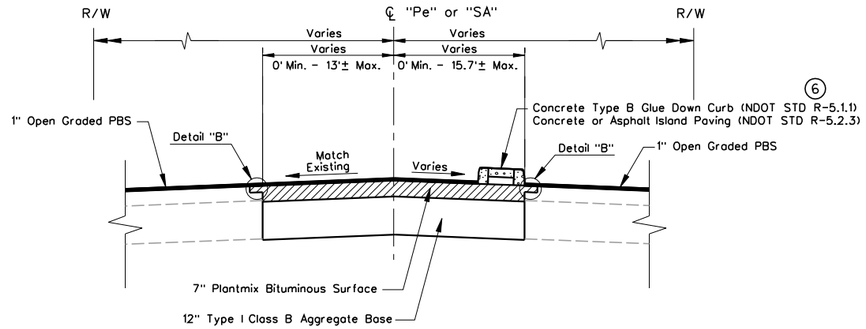
DETAIL "B"



AS CONSTRUCTED
SAHARA AVENUE



AS CONSTRUCTED
SAHARA AVENUE



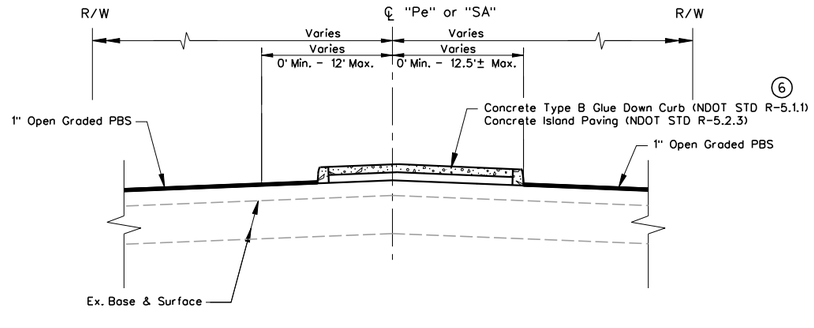
SECTION OF IMPROVEMENT

SAHARA AVENUE

"Pe" 36+10.00 TO "Pe" 39+50.00
"Pe" 54+95.00 TO "Pe" 58+95±
"Pe" 60+90± TO "Pe" 64+45.00
"Pe" 181+56± TO "Pe" 186+05±
"Pe" 187+40± TO "Pe" 191+40.00

(14)

"SA" 804+94±, 60'± RT TO "SA" 805+25±, 50'± RT
"SA" 856+50±, 55'± RT TO "SA" 856+70±, 55'± RT
"SA" 857+64±, 70'± RT TO "SA" 857+87±, 64'± RT



SECTION OF IMPROVEMENT

SAHARA AVENUE

"Pe" 122+40.00 TO "Pe" 123+30.00
"SA" 810+55.00 TO "SA" 811+44.00
"SA" 817+51.00 TO "SA" 818+15.00
"SA" 823+08.00 TO "SA" 823+83.00
"SA" 869+15.26 TO "SA" 869+73.00
"SA" 881+83.00 TO "SA" 882+69.00

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
TYPICAL SECTIONS

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: SSM
DESIGNED BY: KK CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: NONE
VERT: NONE
FIELD BOOK: NONE

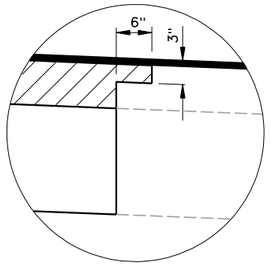
SHEET No. TY-8

- LEGEND -

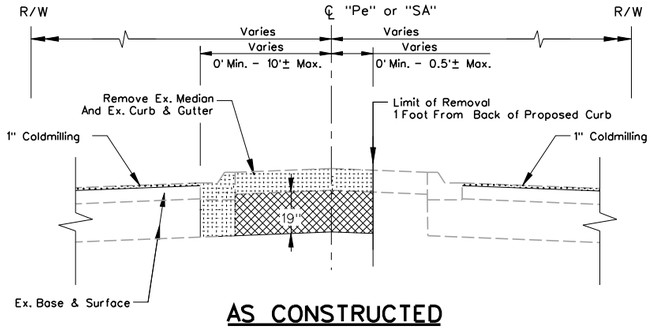
- LIMITS OF REMOVAL (1" COLD MILLING)
- LIMITS OF ROADWAY EXCAVATION
- LIMITS OF REMOVAL

NOTE:

(6) SEE CONSTRUCTION PLANS FOR WIDTHS AND LOCATIONS.

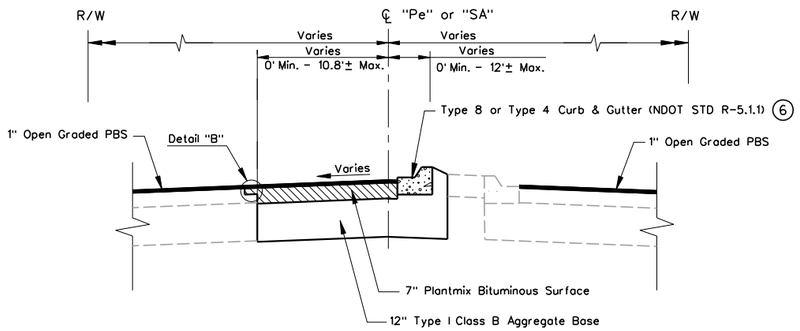


DETAIL "B"



AS CONSTRUCTED

SAHARA AVENUE

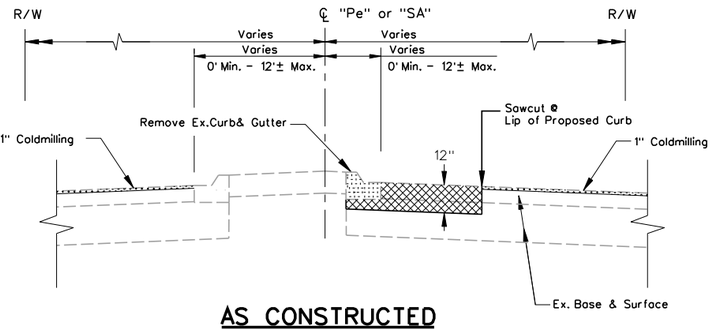


SECTION OF IMPROVEMENT

SAHARA AVENUE

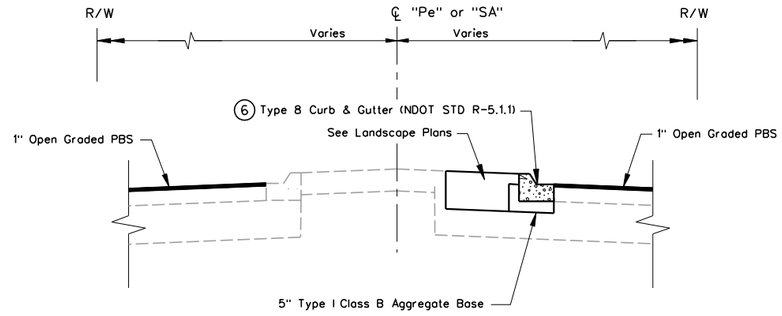
Median Nose Reconstruction:

"Pe"	109+55.00, 8.9'± LT	TO	"Pe"	109+35.00,	1.0'± LT
"Pe"	134+70.40, 10.6'± LT	TO	"Pe"	134+70.33,	7.6'± LT
"Pe"	136+39.45, 8.2'± RT	TO	"Pe"	133+39.47,	11.2'± RT
"SA"	810+62.00, 8.9'± LT	TO	"SA"	810+45.00,	1.1'± LT



AS CONSTRUCTED

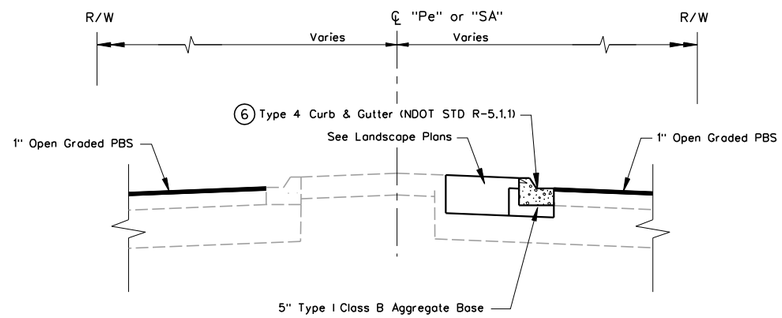
SAHARA AVENUE



SECTION OF IMPROVEMENT

SAHARA AVENUE

Median Nose Reconstruction:
"Pe" 122+15.00, 9.9'± LT TO "Pe" 122+30.00, 1.7'± LT
"Pe" 123+56.00, 1.3'± RT TO "Pe" 123+70.00, 11.0'± RT



SECTION OF IMPROVEMENT

SAHARA AVENUE

"SA"	818+15.00	TO "SA"	821+50.00
"SA"	869+83.5±	TO "SA"	873+20.00
"SA"	955+00.00	TO "SA"	960+50.00

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
A	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

TYPICAL SECTIONS

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: SSM
DESIGNED BY: KK CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: NONE
VERT: NONE
FIELD BOOK: NONE

SHEET No. TY-9

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

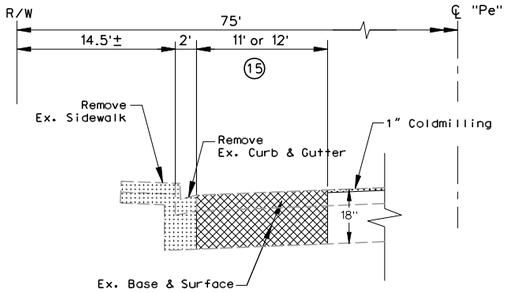
- LEGEND -

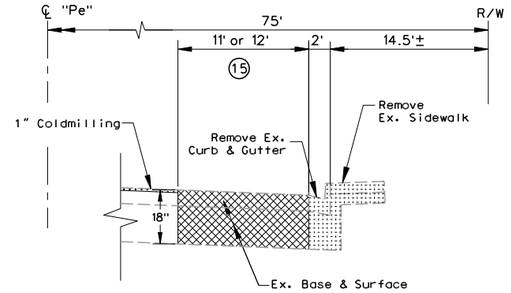
- LIMITS OF REMOVAL (COLD MILLING)
- LIMITS OF ROADWAY EXCAVATION
- LIMITS OF REMOVAL

NOTES:

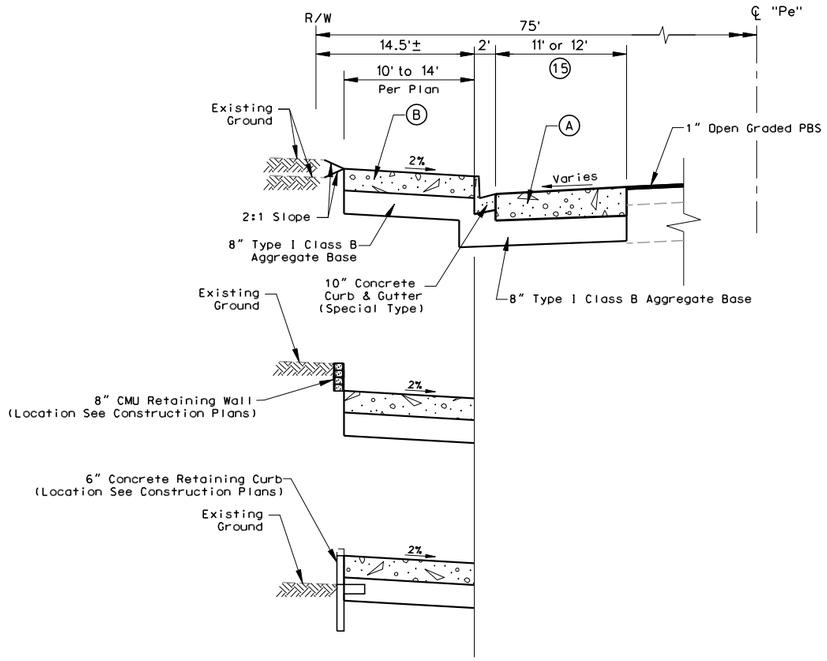
(A) 10" Portland Cement Concrete Pavement Per NDOT Std. Dwg. R-10.1.2

(B) Portland Cement Concrete Bus Shelter Pad Per Construction Plans and Details Per BS plans.

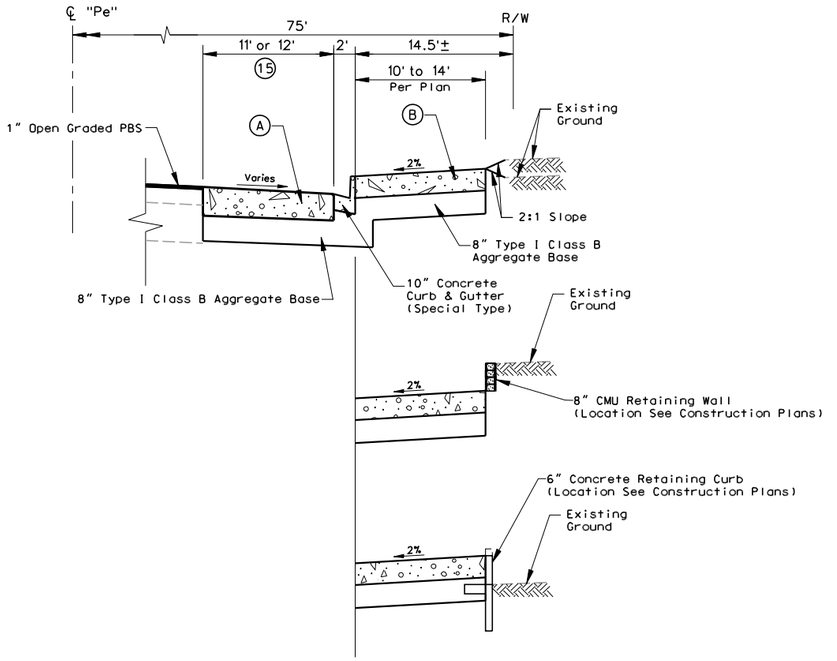




AS CONSTRUCTED
SAHARA AVENUE - WESTBOUND BUS PAD



AS CONSTRUCTED
SAHARA AVENUE - EASTBOUND BUS PAD



SECTION OF IMPROVEMENT
SAHARA AVENUE - WESTBOUND BUS PAD

(15)

"Pe"	44+50.00	LT	TO	"Pe"	45+50.00	LT	- 12'
"Pe"	61+25.00	LT	TO	"Pe"	62+25.00	LT	- 12'
"Pe"	81+70.00	LT	TO	"Pe"	82+70.00	LT	- 11'
"Pe"	117+50.00	LT	TO	"Pe"	118+50.00	LT	- 12'
"Pe"	133+40.00	LT	TO	"Pe"	134+40.00	LT	- 11'
"Pe"	145+40.00	LT	TO	"Pe"	146+40.00	LT	- 11'
"Pe"	157+75.00	LT	TO	"Pe"	158+75.00	LT	- 11'
"Pe"	187+35.00	LT	TO	"Pe"	188+75.00	LT	- 12'
"Pe"	206+15.00	LT	TO	"Pe"	207+15.00	LT	- 11'
"Pe"	226+80.00	LT	TO	"Pe"	227+80.00	LT	- 12'

SECTION OF IMPROVEMENT
SAHARA AVENUE - EASTBOUND BUS PAD

(15)

"Pe"	34+95.00	RT	TO	"Pe"	35+95.00	RT	- 11'
"Pe"	47+30.00	RT	TO	"Pe"	48+30.00	RT	- 11'
"Pe"	60+20.00	RT	TO	"Pe"	61+20.00	RT	- 12'
"Pe"	87+15.00	RT	TO	"Pe"	88+15.00	RT	- 12'
"Pe"	111+00.00	RT	TO	"Pe"	112+00.00	RT	- 12'
"Pe"	123+65.00	RT	TO	"Pe"	124+65.00	RT	- 11'
"Pe"	137+05.00	RT	TO	"Pe"	138+05.00	RT	- 12'
"Pe"	157+15.00	RT	TO	"Pe"	158+15.00	RT	- 12'
"Pe"	177+45.00	RT	TO	"Pe"	178+45.00	RT	- 12'
"Pe"	189+03.00	RT	TO	"Pe"	190+03.00	RT	- 12'
"Pe"	189+03.00	RT	TO	"Pe"	190+03.00	RT	- 12'
"Pe"	211+45.00	RT	TO	"Pe"	212+45.00	RT	- 11'

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
TYPICAL SECTIONS

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: SSM
DESIGNED BY: KK CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: NONE
VERT: NONE
FIELD BOOK: NONE

SHEET No. TY-10

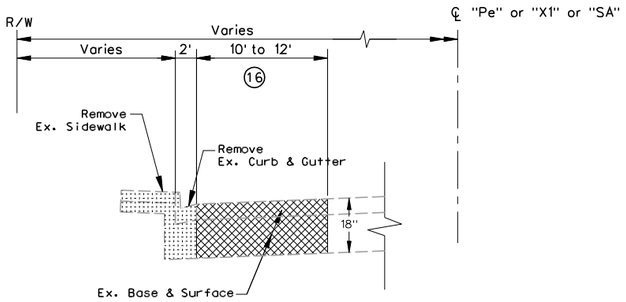
- LEGEND -

- LIMITS OF REMOVAL (COLD MILLING)
- LIMITS OF ROADWAY EXCAVATION
- LIMITS OF REMOVAL

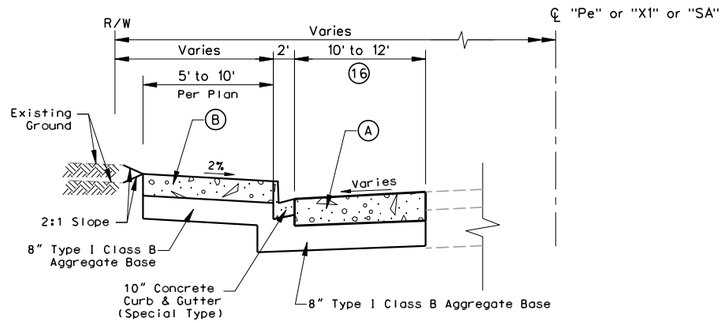
NOTES:

(A) 10" Portland Cement Concrete Pavement Per NDOT Std. Dwg. R-10.1.2

(B) Portland Cement Concrete Bus Shelter Pad Per Construction Plans and Details Per BS plans.



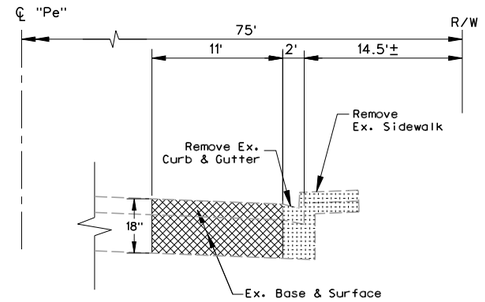
AS CONSTRUCTED
SAHARA AVENUE - WESTBOUND BUS PAD



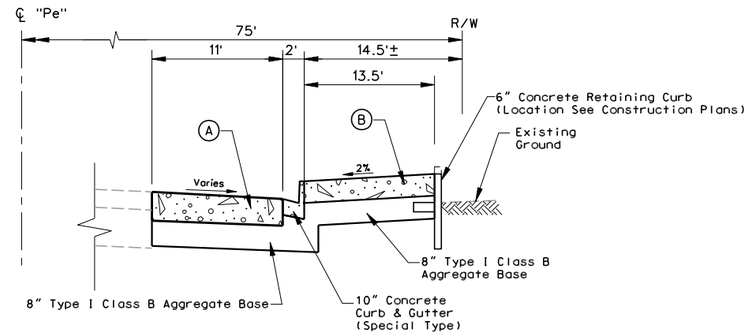
SECTION OF IMPROVEMENT
SAHARA AVENUE - WESTBOUND BUS PAD

(16)

"Pe"	234+40.00	LT	TO	"Pe"	235+40.00	LT	- 12'
"X1"	231+00.00	LT	TO	"X1"	232+00.00	LT	- 12'
"X1"	243+65.00	LT	TO	"X1"	244+65.00	LT	- 10'



AS CONSTRUCTED
SAHARA AVENUE - EASTBOUND BUS PAD



SECTION OF IMPROVEMENT
SAHARA AVENUE - EASTBOUND BUS PAD

"Pe"	223+70.00	RT	TO	"Pe"	224+70.00	RT	

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

AS - BUILT - 05.31.2012

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

REV. NO.	DATE	DESCRIPTION	APPROVED
			RJP
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
TYPICAL SECTIONS

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: SSM
DESIGNED BY: KK CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: NONE
VERT: NONE
FIELD BOOK: NONE

SHEET No. TY-11

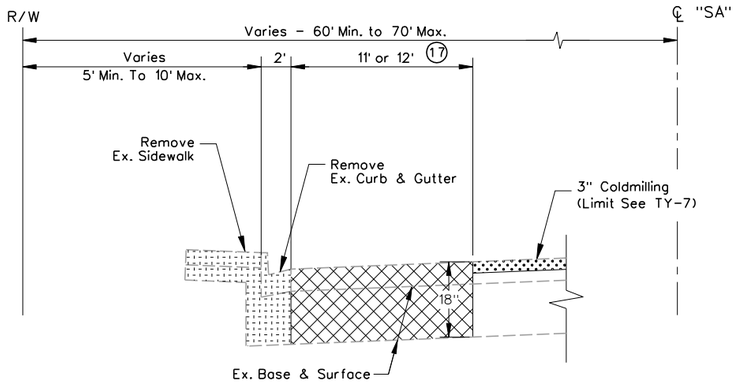
- LEGEND -

- LIMITS OF REMOVAL (COLD MILLING)
- LIMITS OF ROADWAY EXCAVATION
- LIMITS OF REMOVAL

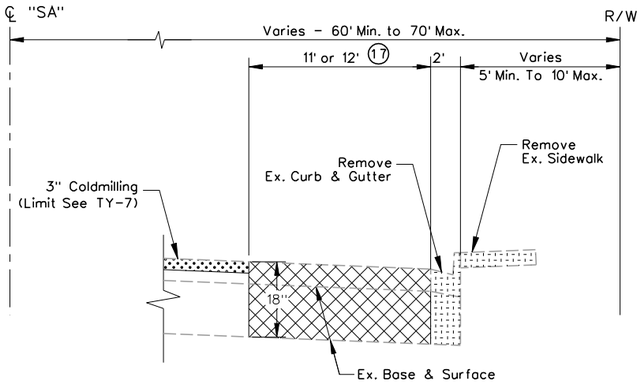
NOTES:

(A) 10" Portland Cement Concrete Pavement Per NDOT Std. Dwg. R-10.1.2

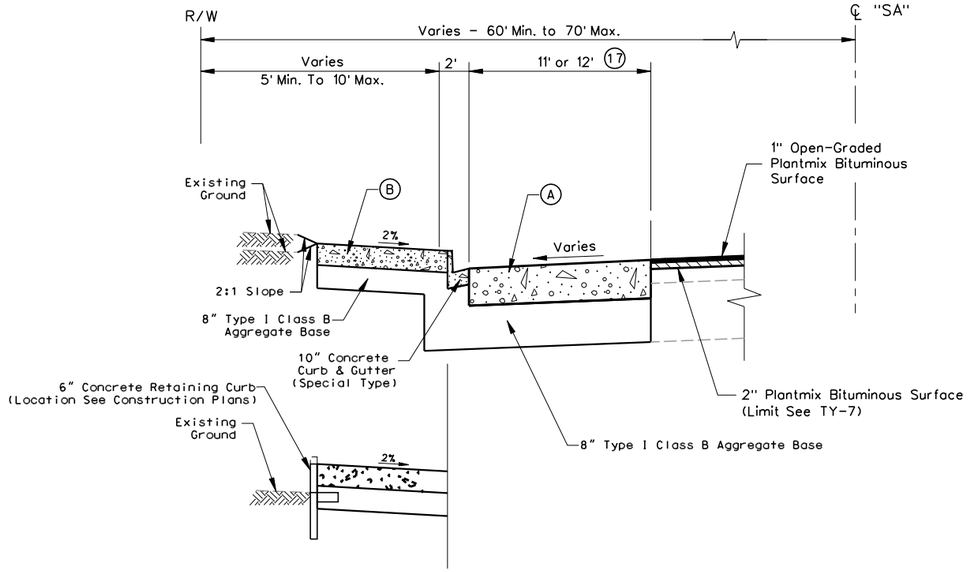
(B) Portland Cement Concrete Bus Shelter Pad Per Construction Plans and Details Per BS plans.



AS CONSTRUCTED
SAHARA AVENUE - WESTBOUND BUS PAD

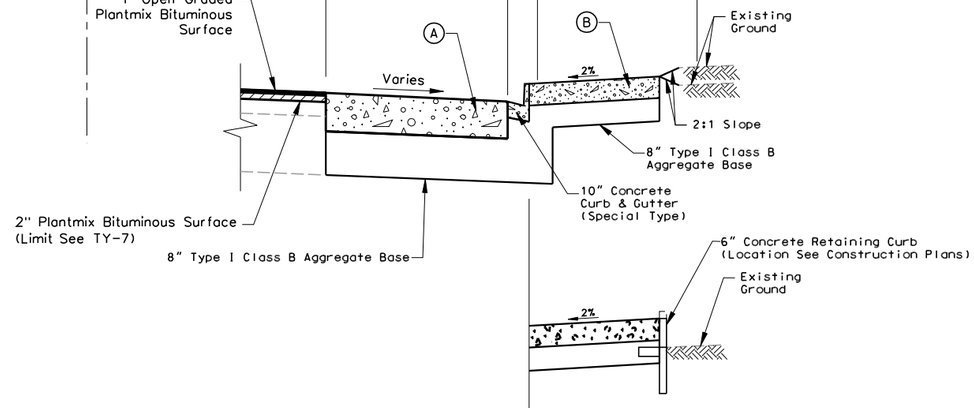


AS CONSTRUCTED
SAHARA AVENUE - EASTBOUND BUS PAD



SECTION OF IMPROVEMENT
SAHARA AVENUE - WESTBOUND BUS PAD

								(17)
"SA"	818+85.00	LT	TO	"SA"	819+85.00	LT	-	12'
"SA"	829+75.00	LT	TO	"SA"	830+75.00	LT	-	11'
"SA"	843+40.00	LT	TO	"SA"	844+40.00	LT	-	11'
"SA"	853+43.00	LT	TO	"SA"	854+43.00	LT	-	11'
"SA"	868+10.00	LT	TO	"SA"	869+10.00	LT	-	12'
"SA"	898+90.00	LT	TO	"SA"	899+90.00	LT	-	11'
"SA"	906+85.00	LT	TO	"SA"	907+85.00	LT	-	12'
"SA"	922+35.00	LT	TO	"SA"	923+35.00	LT	-	11'
"SA"	935+75.00	LT	TO	"SA"	936+75.00	LT	-	12'
"SA"	948+85.00	LT	TO	"SA"	949+85.00	LT	-	11'



SECTION OF IMPROVEMENT
SAHARA AVENUE - EASTBOUND BUS PAD

								(17)
"SA"	805+80.00	RT	TO	"SA"	806+80.00	RT	-	12'
"SA"	815+20.00	RT	TO	"SA"	816+20.00	RT	-	11'
"SA"	829+23.00	RT	TO	"SA"	830+23.00	RT	-	11'
"SA"	841+80.00	RT	TO	"SA"	842+80.00	RT	-	11'
"SA"	858+00.00	RT	TO	"SA"	859+20.00	RT	-	11'
"SA"	869+58.00	RT	TO	"SA"	870+58.00	RT	-	12'
"SA"	899+51.00	RT	TO	"SA"	900+51.00	RT	-	11'
"SA"	912+55.00	RT	TO	"SA"	913+55.00	RT	-	12'
"SA"	924+53.00	RT	TO	"SA"	925+53.00	RT	-	11'

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
A	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
TYPICAL SECTIONS

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: SSM
DESIGNED BY: KK CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: NONE
VERT: NONE
FIELD BOOK: NONE

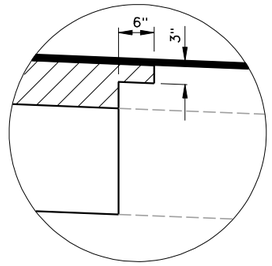
SHEET No. TY-12

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

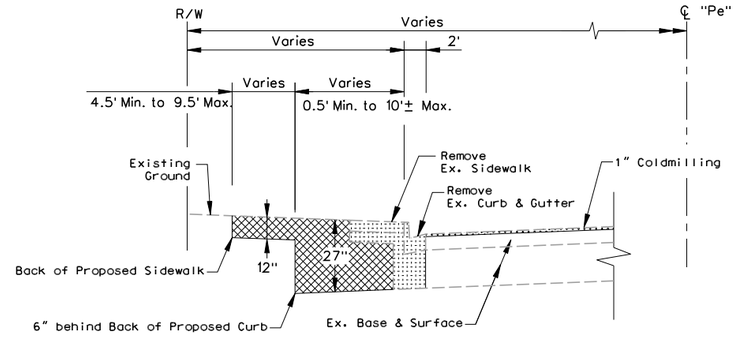
AS - BUILT - 05.31.2012

- LEGEND -

- LIMITS OF REMOVAL (COLD MILLING)
- LIMITS OF ROADWAY EXCAVATION
- LIMITS OF REMOVAL

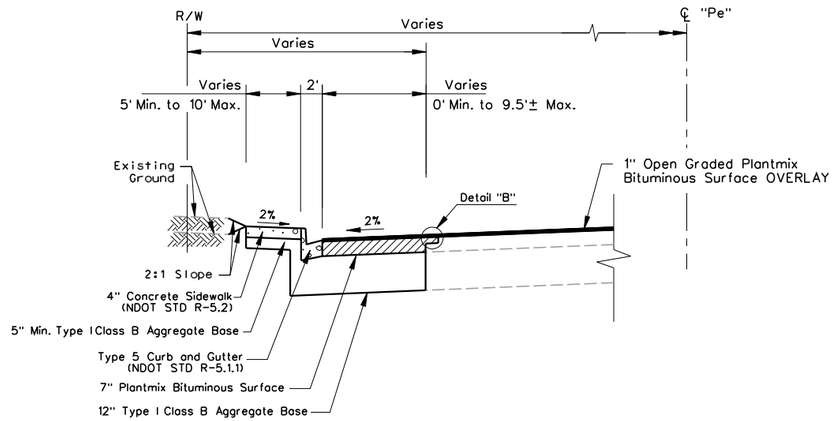


DETAIL "B"



AS CONSTRUCTED

SAHARA AVENUE - WESTBOUND RIGHT-TURN LANE



SECTION OF IMPROVEMENT

SAHARA AVENUE - WESTBOUND RIGHT-TURN LANE

"Pe" 85+30.28 LT TO "Pe" 87+04.59 LT
"Pe" 136+03.15 LT TO "Pe" 138+71.26 LT

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

TYPICAL SECTIONS

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: SSM
DESIGNED BY: KK CHECKED BY: RJP
APPROVED BY RJP

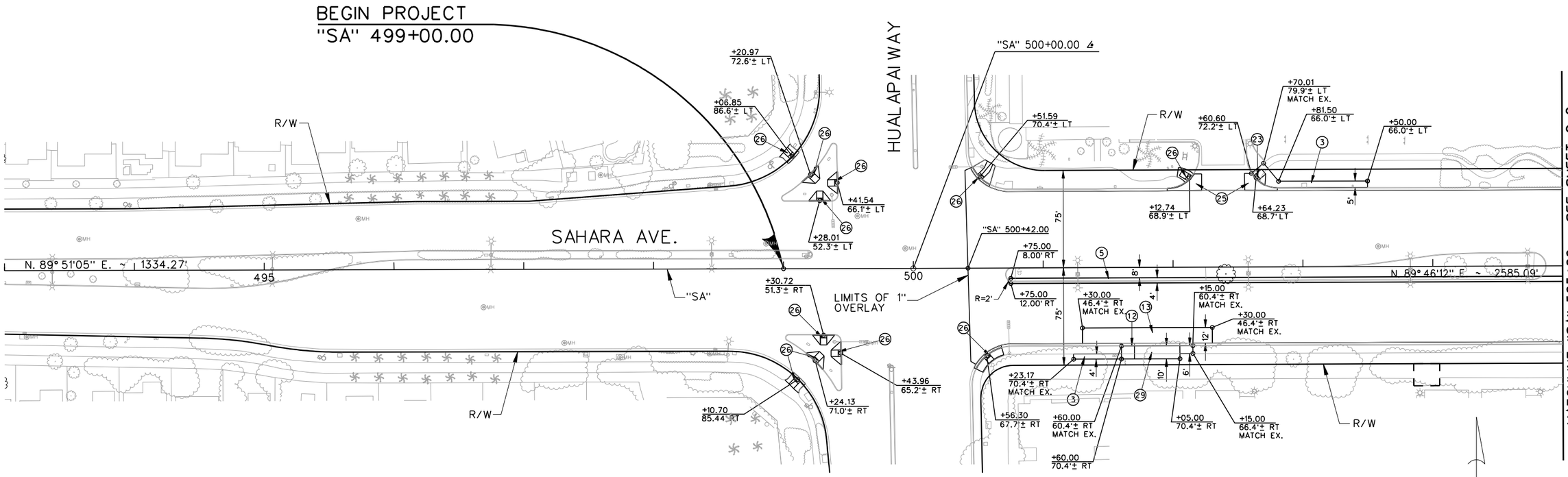
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ : NONE
VERT : NONE
FIELD BOOK : NONE

SHEET No. TY-13

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012



SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

CONSTRUCTION ITEMS:

(3) "SA" 502+70.01, 79.9'± LT TO "SA" 503+50.00, 66.0'± LT — CONSTRUCT CONCRETE SIDEWALK PER USDCCA DWG. NO. 234.
"SA" 501+23.17, 70.43'± RT TO "SA" 502+60.00, 70.43'± RT

(5) "SA" 500+75.00, 12.00' RT TO "SA" 505+00.00, 8.00' RT — CONSTRUCT CONCRETE TACK ON ISLAND PER USDCCA DWG. NO. 221.

(12) "SA" 501+60.00, 60.4'± RT TO "SA" 502+15.00, 60.4'± RT — CONSTRUCT SPECIAL 10-INCH CONCRETE CURB AND GUTTER PER DETAIL "A" (SEE SHEET SD-2). TRANSITION ON BOTH ENDS TO MATCH EXISTING PER DETAIL "C" (SEE SHEET SD-3).

(13) "SA" 501+30.00, 46.4'± RT TO "SA" 502+30.00, 46.4'± RT — CONSTRUCT PCCP FOR BUS PLATFORM (SEE TYPICAL SECTIONS)

(23) "SA" 502+64.23, 68.7'± LT DETAIL "T" — CONSTRUCT SIDEWALK RAMP CASE II PER USDCCA DWG. NO. 235. AND PER RAMP DETAILS ON SHEET SD-9.

(25) "SA" 502+12.74, 68.9'± LT "SA" 502+64.23, 68.7'± LT — RECONSTRUCT CONCRETE CROSS GUTTER SPANDREL PER DETAIL "H" (SEE SHEET SD-4).

(26) "SA" 499+06.85, 86.6'± LT CASE II, SEE DETAIL "Q" — RECONSTRUCT SIDEWALK RAMP PER USDCCA DWG. NO. 235. AND PER RAMP DETAILS ON SHEET SD-9.

"SA" 499+20.97, 72.6'± LT
A = 6.5', B = 6.5'CASE II

"SA" 499+28.01, 52.3'± LT
A = 6.5', B = 6.5'CASE II

"SA" 499+41.54, 66.1'± LT
A = 6.5', B = 6.5'CASE II

"SA" 500+51.59, 70.4'± LT
CASE II, DETAIL "R"

"SA" 502+12.74, 68.9'± LT
CASE II, DETAIL "S"

"SA" 499+10.70, 85.4'± RT
CASE II, DETAIL "U"

"SA" 499+24.13, 70.1'± RT
A = 6.5', B = 6.5'CASE II

"SA" 499+30.72, 51.3'± RT
A = 6.5', B = 6.5'CASE II

"SA" 499+43.96, 65.2'± RT
A = 6.5', B = 6.5'CASE II

"SA" 500+56.30, 67.7'± RT
A = 8.0', B = 8.0'CASE I

(29) "SA" 501+60.00, 70.43' RT TO "SA" 502+05.00, 70.43' RT — CONSTRUCT CONCRETE BUS SHELTER PAD PER USDCCA DWG. NO. 234.2. SEE SHEET SD-15 FOR SHELTER CLASSIFICATION TABLE.

"SA" 502+05.00, 66.43' RT TO "SA" 502+15.00, 66.4'± RT

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call 811 OR 1-800-227-2600

FAST Call before you UnderGround 1-702-432-5300 FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
A	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

CONSTRUCTION PLAN

"SA" 499+00 to "SA" 505+00

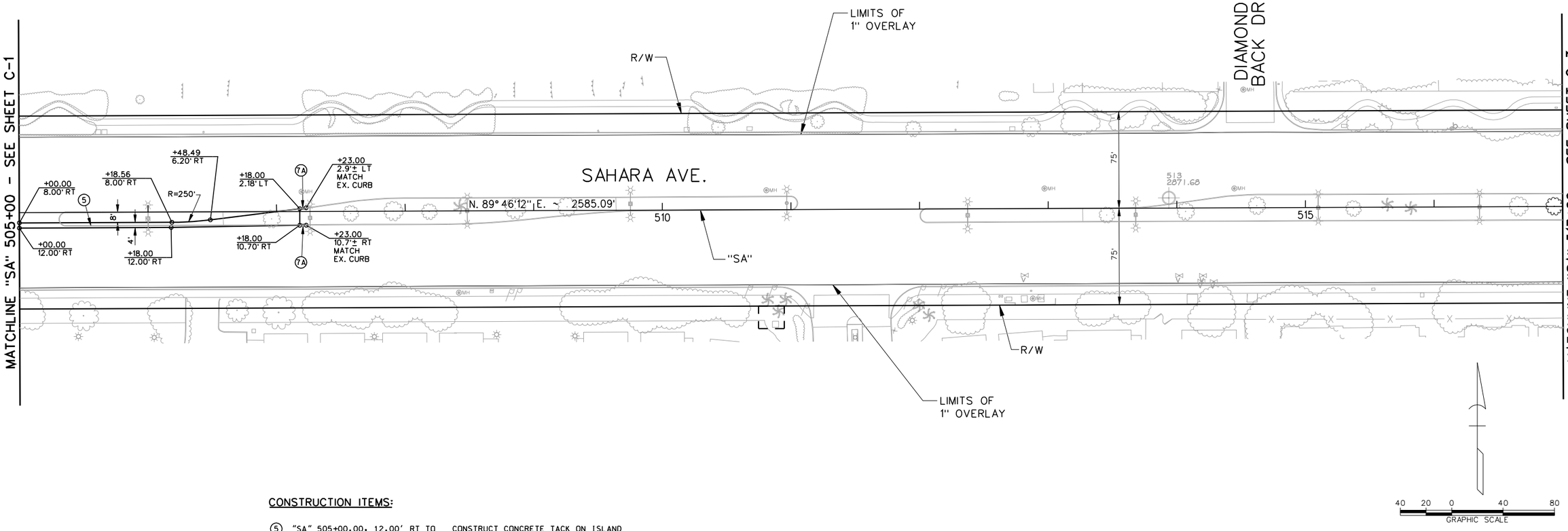
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: JX CHECKED BY: KK
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. C-1



CONSTRUCTION ITEMS:

(5)	"SA" 505+00.00. 12.00' RT TO "SA" 507+18.00. 2.18' LT	CONSTRUCT CONCRETE TACK ON ISLAND PER USDCCA DWG. NO. 221.
(7A)	"SA" 507+18.00. 2.18' LT TO "SA" 507+23.00. 2.9'± LT	CONSTRUCT TYPE A ISLAND CURB TO TACK ON ISLAND TRANSITION PER DETAIL "D" (SEE SHEET SD-3).
	"SA" 507+18.00. 10.70' RT TO "SA" 507+23.00. 10.7'± RT	

Call 811 OR 1-800-227-2600
FAST Call before you UnderGround 1-702-432-5300
CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

CONSTRUCTION PLAN

"SA" 505+00 to "SA" 517+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: JX CHECKED BY: KK
APPROVED BY RJP

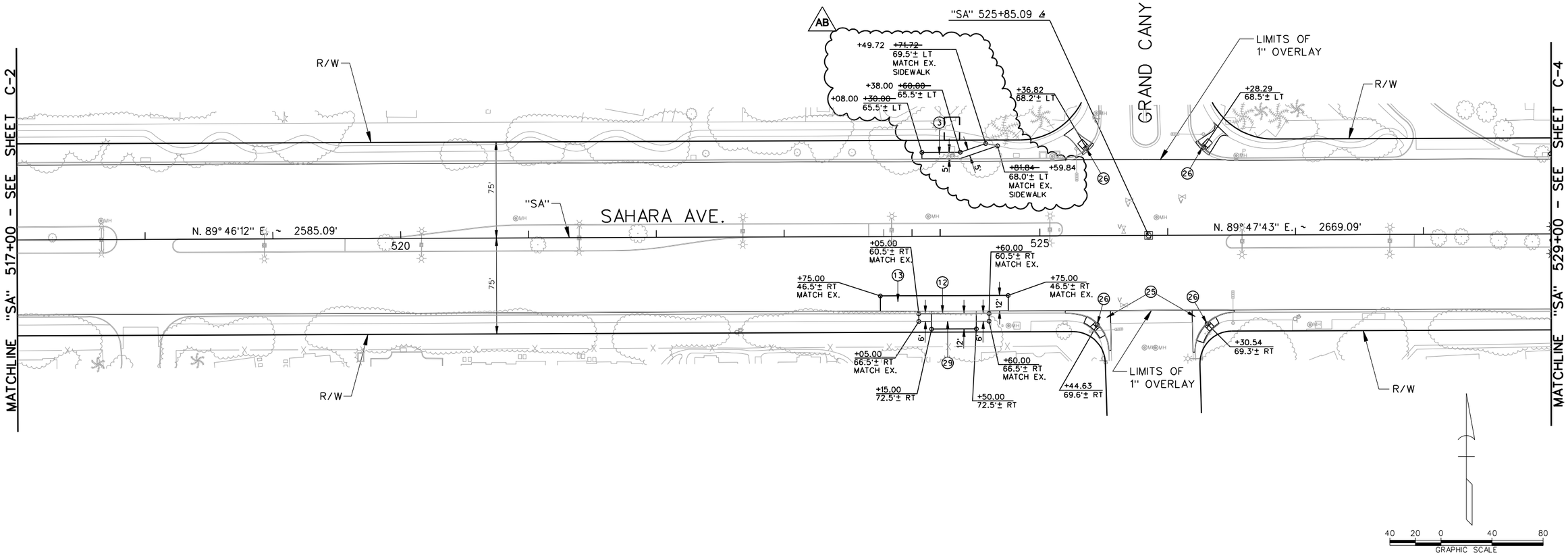
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ : AS SHOWN
VERT : NONE
FIELD BOOK : NONE

SHEET No. C-2

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - C - 05.31.2012



CONSTRUCTION ITEMS:

(3) "SA" 524+30.00, 65.5'± LT TO "SA" 524+81.84, 68.0'± LT — CONSTRUCT CONCRETE SIDEWALK PER USDCCA DWG. NO.234.

(12) "SA" 524+05.00, 60.5'± RT TO "SA" 524+60.00, 60.5'± RT — CONSTRUCT SPECIAL 10-INCH CONCRETE CURB AND GUTTER PER DETAIL "A" (SEE SHEET SD-2). TRANSITION ON BOTH ENDS TO MATCH EXISTING PER DETAIL "C" (SEE SHEET SD-3).

(13) "SA" 523+75.00, 46.5'± RT TO "SA" 524+75.00, 46.5'± RT — CONSTRUCT PCCP FOR BUS PLATFORM (SEE TYPICAL SECTIONS).

(25) "SA" 525+44.63, 69.6' RT "SA" 526+30.54, 69.3' RT — RECONSTRUCT CONCRETE CROSS GUTTER SPANDREL PER DETAIL "H" (SEE SHEET SD-4).

(26) "SA" 525+36.82, 68.2'± LT CASE II, DETAIL "V" — RECONSTRUCT SIDEWALK RAMP PER USDCCA DWG. NO. 235 AND PER RAMP DETAILS ON SHEET SD-9.

"SA" 526+28.29, 68.5'± LT CASE II, DETAIL "W"

"SA" 525+44.63, 69.6'± RT A = 8.0', B = 8.0'CASE I

"SA" 526+30.54, 69.3'± RT A = 4.5', B = 9.5'CASE I

(29) "SA" 524+05.00, 66.5'± RT TO "SA" 524+15.00, 66.54' RT — CONSTRUCT CONCRETE BUS SHELTER PAD PER USDCCA DWG. NO.234.2. (SEE SHEET SD-15 FOR SHELTER CLASSIFICATION TABLE).

"SA" 524+15.00, 72.54' RT TO "SA" 524+50.00, 72.54' RT

"SA" 524+50.00, 66.54' RT TO "SA" 524+60.00, 66.5'± RT

Call 811 OR 1-800-227-2600

FAST Call before you UnderGround 1-702-432-5300 PRIMARY AND NATIONAL SYSTEM OF TRANSPORTATION

CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

CONSTRUCTION PLAN

"SA" 517+00 to "SA" 529+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: JX CHECKED BY: KK
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

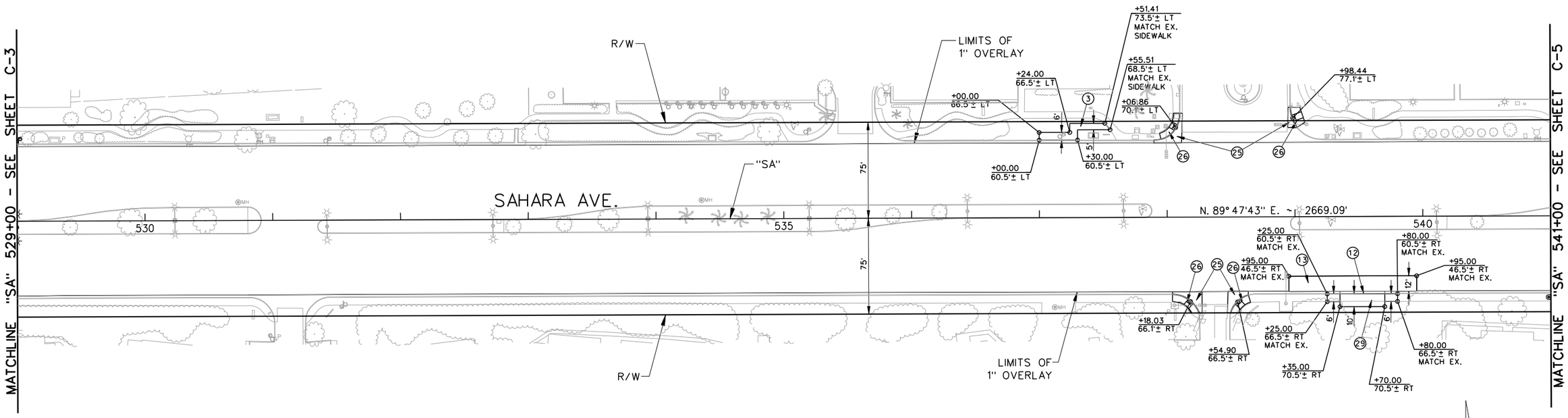
SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. C-3

Sheet 77 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012



CONSTRUCTION ITEMS:

(3)	"SA" 537+00.00.66.5'± LT TO "SA" 537+55.51.68.5'± LT	CONSTRUCT CONCRETE SIDEWALK PER USDCCA DWG. NO.234.
(12)	"SA" 539+25.00. 60.5'± RT TO "SA" 539+80.00. 60.5'± RT	CONSTRUCT SPECIAL 10-INCH CONCRETE CURB AND GUTTER PER DETAIL "A" (SEE SHEET SD-2). TRANSITION ON BOTH ENDS TO MATCH EXISTING PER DETAIL "C" (SEE SHEET SD-3).
(13)	"SA" 538+95.00. 46.5'± RT TO "SA" 539+95.00. 46.5'± RT	CONSTRUCT PCCP FOR BUS PLATFORM (SEE TYPICAL SECTIONS).
(25)	"SA" 538+06.86. 70.1'± LT "SA" 538+98.44. 77.1'± LT "SA" 538+18.03. 66.1'± RT "SA" 538+54.90. 66.5'± RT	RECONSTRUCT CONCRETE CROSS GUTTER SPANDREL PER DETAIL "H" (SEE SHEET SD-4).
(26)	"SA" 538+06.86. 70.1'± LT A = 8.0', B = 8.0'CASE I "SA" 538+98.44. 77.1'± LT CASE II. DETAIL "X" "SA" 538+18.03. 66.1'± RT A = 4.5', B = 8.0'CASE I "SA" 538+54.90. 66.5'± RT A = 4.5', B = 4.5'CASE I	RECONSTRUCT SIDEWALK RAMP PER USDCCA DWG. NO. 235 AND PER RAMP DETAILS ON SHEET SD-9.
(29)	"SA" 539+25.00. 66.5'± RT TO "SA" 539+35.00. 66.53' RT "SA" 539+35.00. 70.53' RT TO "SA" 539+70.00. 70.53' RT "SA" 539+70.00. 66.53' RT TO "SA" 539+80.00. 66.5'± RT	CONSTRUCT CONCRETE BUS SHELTER PAD PER USDCCA DWG. NO.234.2. SEE SHEET SD-15 FOR SHELTER CLASSIFICATION TABLE.

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY.
Call 811 or 1-800-227-2600

FAST
Call before you UnderGround
1-702-432-5300
FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY.
CALL BEFORE YOU DO OVERHEAD
1-702-227-2929

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

CONSTRUCTION PLAN

"SA" 529+00 to "SA" 541+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No:	CB 1083	DRAWN BY:	GFV
DESIGNED BY:	JX	CHECKED BY:	KK
APPROVED BY	RJP		

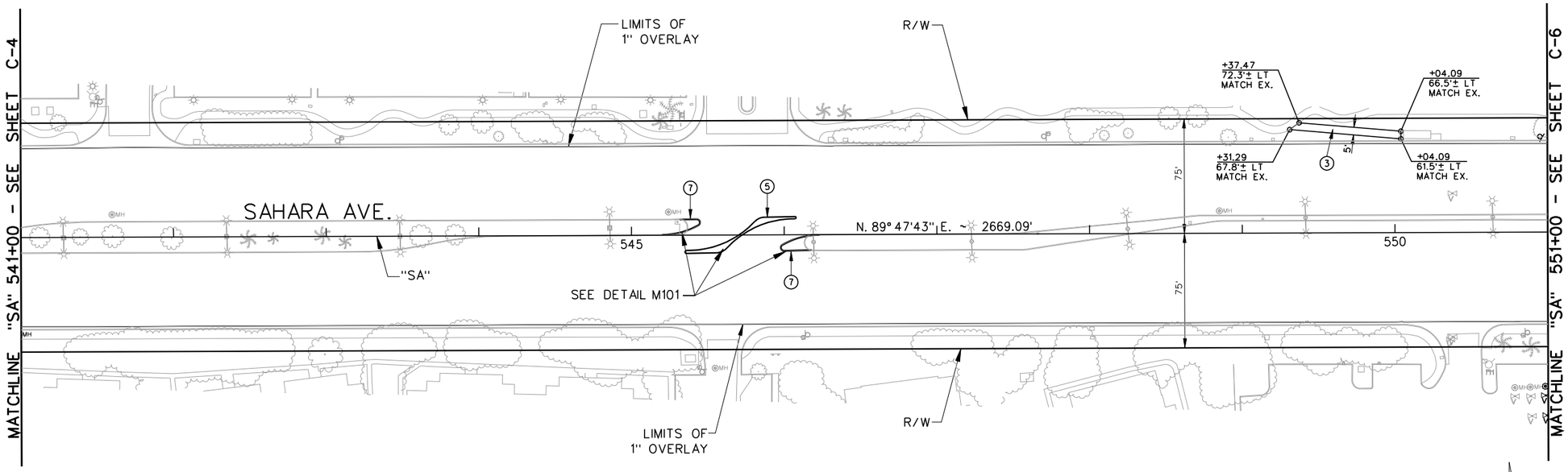
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

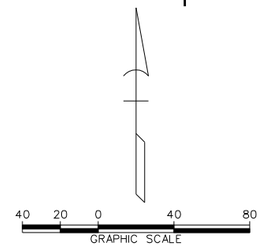
SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. C-4

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012





CONSTRUCTION ITEMS:

③ "SA" 549+31.29, 67.8'± LT TO "SA" 550+04.09, 66.5'± LT — CONSTRUCT CONCRETE SIDEWALK PER USDCCA DWG. NO.234.

⑤ "SA" 545+36.00, 12.00' RT TO "SA" 546+07.00, 12.00' LT — CONSTRUCT CONCRETE TACK ON ISLAND PER USDCCA DWG. NO.221.

⑦ "SA" 545+31.50, 10.7'± LT TO "SA" 545+43.96, 6.16' LT TO "SA" 545+20.00, 0.2'± RT
"SA" 546+23.00, 0.3'± LT TO "SA" 545+98.58, 6.19' RT TO "SA" 546+18.00, 10.5'± RT — CONSTRUCT TYPE A ISLAND CURB PER USDCCA DWG. NO.219.

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

NOTE:

1. FOR MEDIAN ISLNAD GEOMETRICS NOT SHOWN, SEE SHEET SD SHEETS.

Call 811 or 1-800-227-2600 — FAST Call before you UnderGround 1-702-432-5300 PRIORITY AND INTERIM SYSTEMS OF TRANSPORTATION — CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

CONSTRUCTION PLAN

"SA" 541+00 to "SA" 551+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: JX CHECKED BY: KK
APPROVED BY RJP

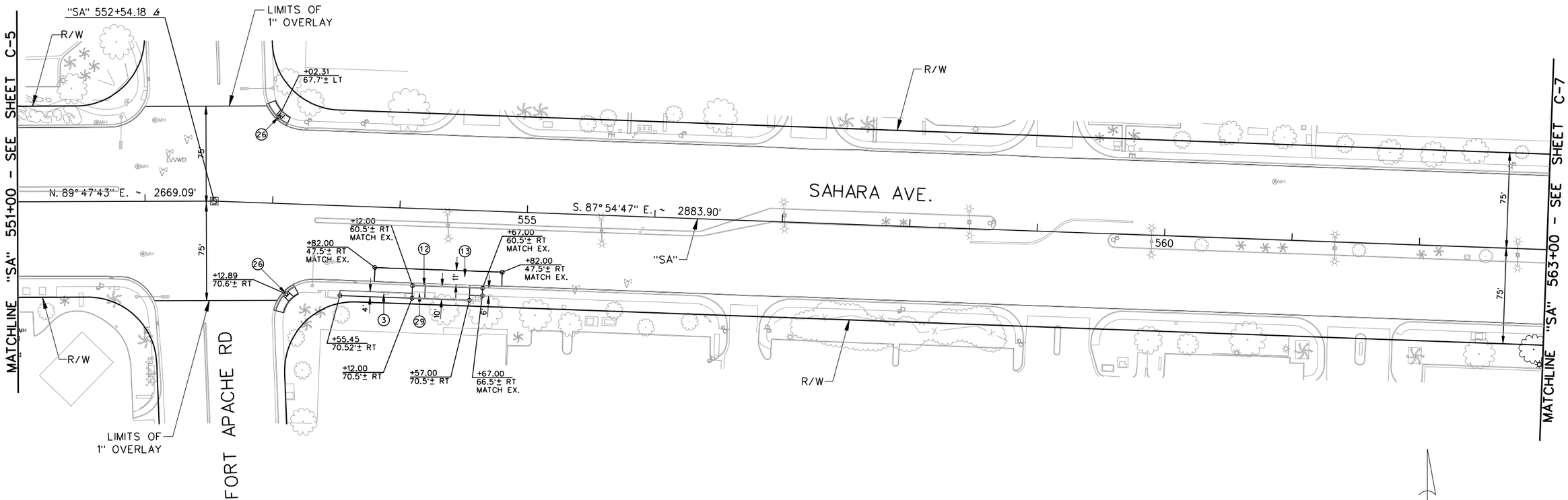
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. C-5

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012



SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

CONSTRUCTION ITEMS:

(3) "SA" 553+55.45. 70.5'± RT TO "SA" 554+12.00. 70.5'± RT — CONSTRUCT CONCRETE SIDEWALK PER USDCCA DWG. NO.234.

(12) "SA" 554+12.00. 60.5'± RT TO "SA" 554+67.00. 60.5'± RT — CONSTRUCT SPECIAL 10-INCH CONCRETE CURB AND GUTTER PER DETAIL "A" (SEE SHEET SD-2). TRANSITION ON BOTH ENDS TO MATCH EXISTING PER DETAIL "C" (SEE SHEET SD-3).

(13) "SA" 553+82.00. 47.5'± RT TO "SA" 554+82.00. 47.5'± RT — CONSTRUCT PCCP FOR BUS PLATFORM (SEE TYPICAL SECTIONS).

(26) "SA" 553+02.31. 67.7'± LT A = 8.0', B = 4.5' CASE I — RECONSTRUCT SIDEWALK RAMP PER USDCCA DWG. NO. 235.

"SA" 553+12.89. 70.6'± RT A = 4.5', B = 9.5' CASE I

(29) "SA" 554+12.00. 70.52' RT TO "SA" 554+57.00. 70.52' RT — CONSTRUCT CONCRETE BUS SHELTER PAD PER USDCCA DWG. NO.234.2. SEE SHEET SD-15 FOR SHELTER CLASSIFICATION TABLE.

"SA" 554+57.00. 66.52' RT TO "SA" 554+67.00. 66.5'± RT

AVOID CUTTING UNDERGROUND UTILITY LINES IT'S CONTROL
Call 811 or 1-800-227-2600
FAST Call before you UnderGround 1-702-432-5300 FREEWAY AND ARTERIAL SYSTEMS OF TRANSPORTATION
AVOID HITTING OVERHEAD POWER LINES IT'S CONTROL
CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

CONSTRUCTION PLAN

"SA" 551+00 to "SA" 563+00

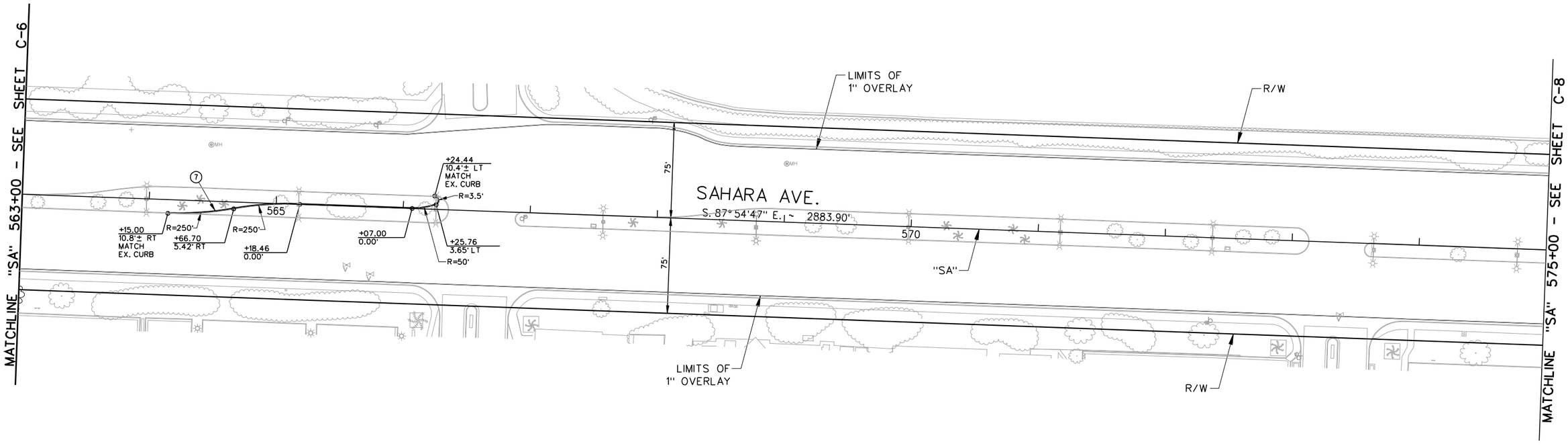
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

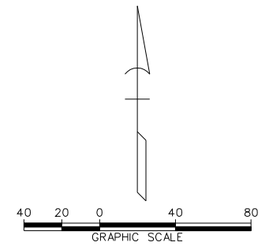
PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: JX CHECKED BY: KK
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. C-6





CONSTRUCTION ITEMS:

⑦ "SA" 564+15.00, 10.8'± RT TO "SA" 566+24.44, 10.4'± LT — CONSTRUCT TYPE A ISLAND CURB PER USDCCA DWG. NO.219 AND DETAIL "B" (SEE SHEET SD-2)

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

Call 811 or 1-800-227-2600 — AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY.

FAST — Call before you UnderGround 1-702-432-5300 — FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

CALL BEFORE YOU DO OVERHEAD 1-702-227-2929 — AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

CONSTRUCTION PLAN

"SA" 563+00 to "SA" 575+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: JX CHECKED BY: KK
APPROVED BY RJP

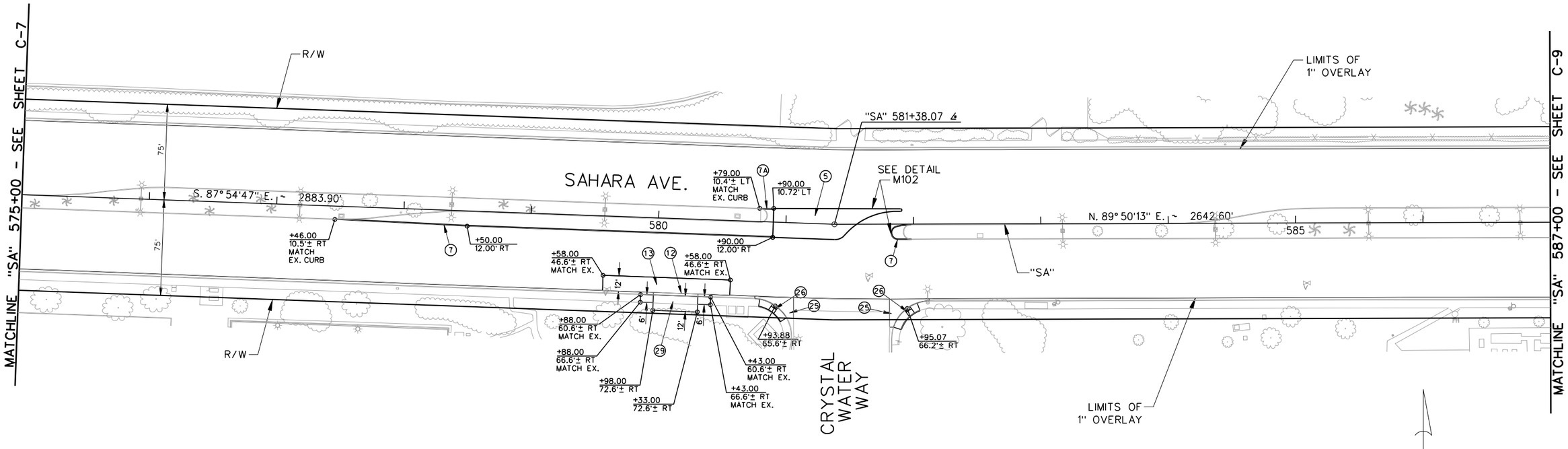
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ : AS SHOWN
VERT : NONE
FIELD BOOK : NONE

SHEET No. C-7

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012



CONSTRUCTION ITEMS:

⑤ "SA" 580+90.00, 12.00' RT TO "SA" 581+90.00, 12.00' LT — CONSTRUCT CONCRETE TACK ON ISLAND PER USDCCA DWG. NO.221.

⑦A "SA" 580+79.00, 10.4'± RT TO "SA" 580+90.00, 72.' LT — TYPE A ISLAND CURB TO TACK ON ISLAND TRANSITION PER DETAIL "D" (SEE SHEET SD-3).

⑦ "SA" 577+46.00, 10.5'± RT TO "SA" 580+90.00, 12.00' RT — CONSTRUCT TYPE A ISLAND CURB PER USDCCA DWG. NO.219 AND DETAIL "B" (SEE SHEET SD-2).

"SA" 581+98.23, 0.1'± RT TO "SA" 581+86.57, 1.43' RT TO "SA" 581+98.52, 12.3'± RT

⑫ "SA" 579+88.00, 60.6'± RT "SA" 580+43.00, 60.6'± RT — CONSTRUCT SPECIAL 10-INCH CONCRETE CURB AND GUTTER PER DETAIL "A" (SEE SHEET SD-2). TRANSITION ON BOTH ENDS TO MATCH EXISTING PER DETAIL "C" (SEE SHEET SD-3).

⑬ "SA" 579+58.00, 46.6'± RT TO "SA" 580+58.00, 46.6'± RT — CONSTRUCT PCCP FOR BUS PLATFORM (SEE TYPICAL SECTIONS).

㉕ "SA" 580+93.88, 65.6'± RT "SA" 581+95.07, 66.2'± RT — RECONSTRUCT CONCRETE CROSS GUTTER SPANDREL PER DETAIL "H" (SEE SHEET SD-4).

㉖ "SA" 580+93.88, 65.6'± RT A = 8.0', B = 8.0' CASE I — RECONSTRUCT SIDEWALK RAMP PER USDCCA DWG. NO. 235.

"SA" 581+95.07, 66.2'± RT A = 12.0', B = 4.5' CASE I

㉙ "SA" 579+88.00, 66.6'± RT TO "SA" 579+98.00, 66.63' RT — CONSTRUCT CONCRETE BUS SHELTER PAD PER USDCCA DWG. NO.234.2. SEE SHEET SD-15 FOR SHELTER CLASSIFICATION TABLE.

"SA" 579+98.00, 72.63' RT TO "SA" 580+33.00, 72.63' RT

"SA" 580+33.00, 66.63' RT TO "SA" 580+43.00, 66.6'± RT

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

NOTE:

1. FOR MEDIAN ISLNAD GEOMETRICS NOT SHOWN, SEE SHEET SD SHEETS.

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call 811 OR 1-800-227-2600

FAST Call before you UnderGround 1-702-432-5300 FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

CONSTRUCTION PLAN

"SA" 575+00 to "SA" 587+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: JX CHECKED BY: KK
APPROVED BY RJP

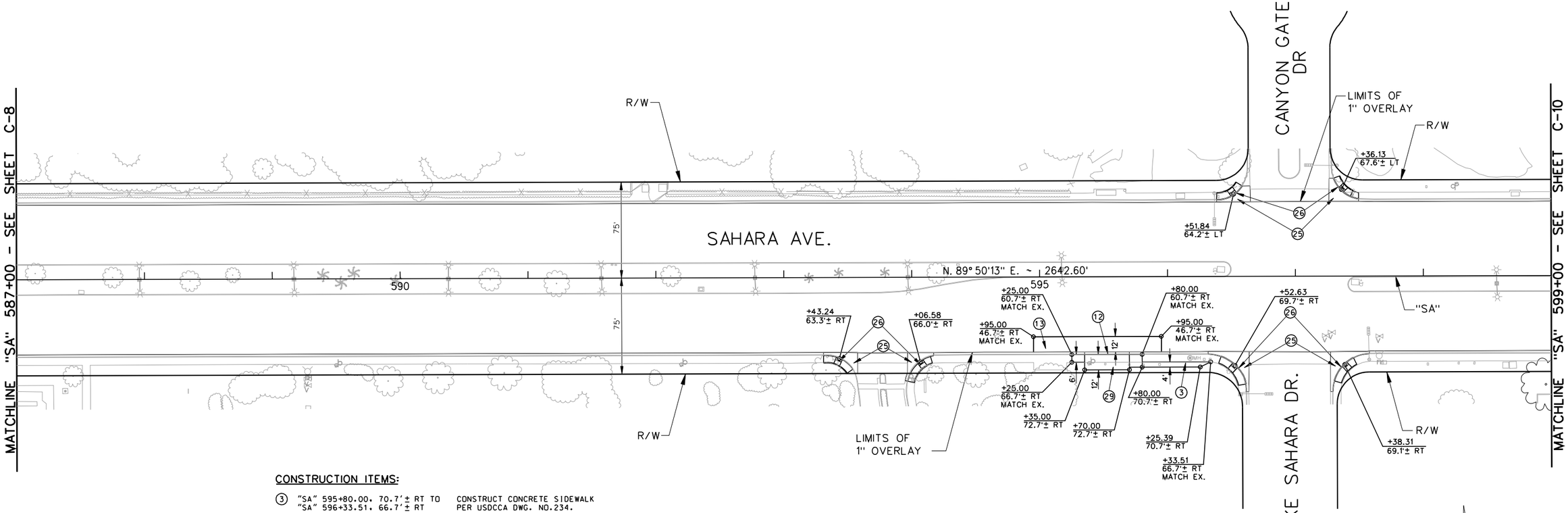
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. C-8

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012



CONSTRUCTION ITEMS:

③ "SA" 595+80.00, 70.7'± RT TO "SA" 596+33.51, 66.7'± RT — CONSTRUCT CONCRETE SIDEWALK PER USDCCA DWG. NO.234.

⑫ "SA" 595+25.00, 60.7'± RT TO "SA" 595+80.00, 60.7'± RT — CONSTRUCT SPECIAL 10-INCH CONCRETE CURB AND GUTTER PER DETAIL "A" (SEE SHEET SD-2). TRANSITION ON BOTH ENDS TO MATCH EXISTING PER DETAIL "C" (SEE SHEET SD-3).

⑬ "SA" 594+95.00, 46.7'± RT TO "SA" 595+95.00, 46.7'± RT — CONSTRUCT PCCP FOR BUS PLATFORM (SEE TYPICAL SECTIONS).

㉕ "SA" 596+51.84, 64.2'± LT
"SA" 597+36.13, 67.6'± LT
"SA" 593+43.24, 63.3'± RT
"SA" 594+06.58, 66.0'± RT
"SA" 596+52.63, 69.7'± RT
"SA" 597+38.31, 69.1'± RT
— RECONSTRUCT CONCRETE CROSS GUTTER SPANDREL PER DETAIL "H" (SEE SHEET SD-4).

㉖ "SA" 596+51.84, 64.2'± LT
A = 8.0', B = 4.5' CASE I

"SA" 597+36.13, 67.6'± LT
A = 8.0', B = 4.5' CASE I

"SA" 593+43.24, 63.3'± RT
A = 8.0', B = 8.0' CASE I

"SA" 594+06.58, 66.0'± RT
A = 12.0', B = 4.5' CASE I

"SA" 596+52.63, 69.7'± RT
A = 12.0', B = 8.0' CASE I

"SA" 597+38.31, 69.1'± RT
A = 4.5', B = 9.5' CASE I
— RECONSTRUCT SIDEWALK RAMP PER USDCCA DWG. NO. 235.

㉙ "SA" 595+25.00, 66.7'± RT TO "SA" 595+35.00, 66.74' RT

"SA" 595+35.00, 72.74' RT TO "SA" 595+70.00, 72.74' RT

"SA" 595+70.00, 70.74' RT TO "SA" 595+80.00, 70.74' RT
— CONSTRUCT CONCRETE BUS SHELTER PAD PER USDCCA DWG. NO.234.2. SEE SHEET SD-15 FOR SHELTER CLASSIFICATION TABLE.

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY.
Call 811 or 1-800-227-2600
FAST
Call before you UnderGround
1-702-432-5300
FREEWAY AND ARTERIAL SYSTEMS OF TRANSPORTATION
AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY.
CALL BEFORE YOU DO OVERHEAD
1-702-227-2929

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

CONSTRUCTION PLAN

"SA" 587+00 to "SA" 599+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No:	CB 1083	DRAWN BY:	GFV
DESIGNED BY:	JX	CHECKED BY:	KK
APPROVED BY	RJP		

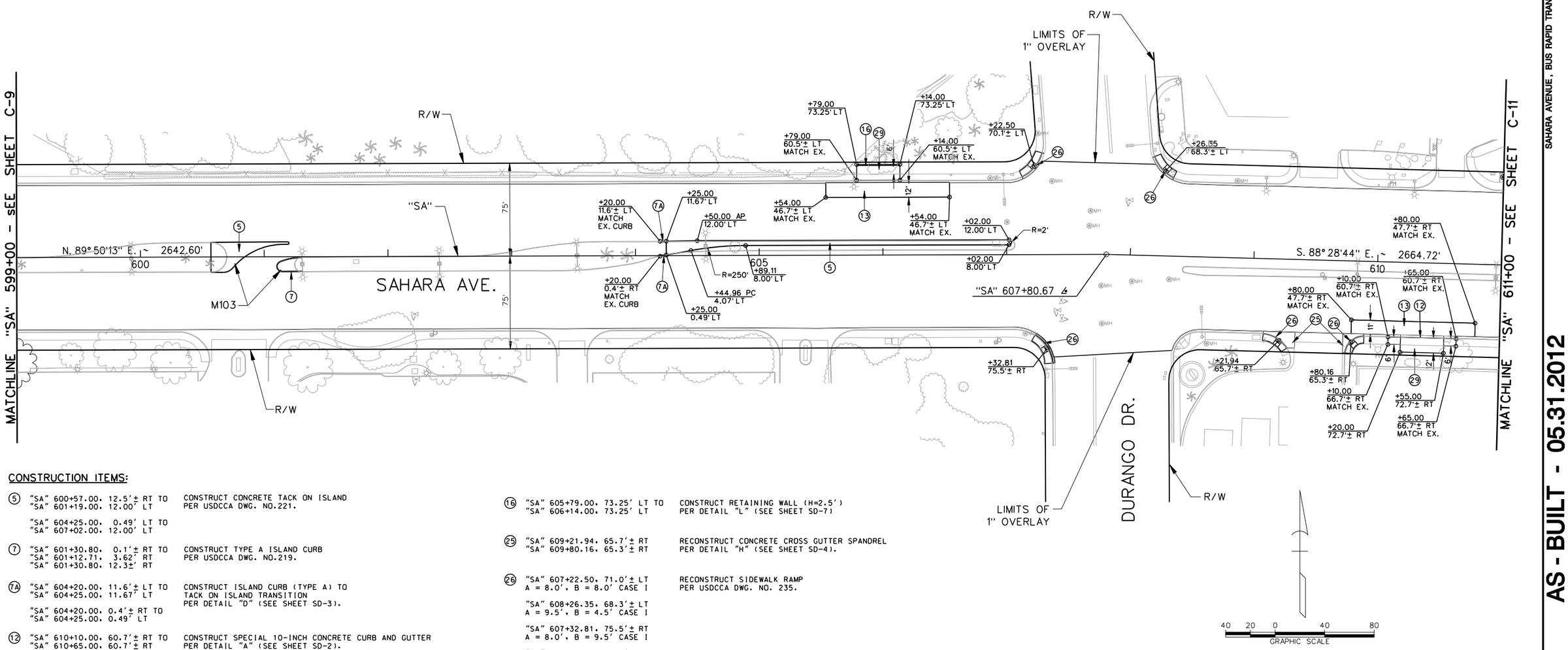
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. C-9

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012



CONSTRUCTION ITEMS:

⑤ "SA" 600+57.00, 12.5'± RT TO "SA" 601+19.00, 12.00' LT
"SA" 604+25.00, 0.49' LT TO "SA" 607+02.00, 12.00' LT
CONSTRUCT CONCRETE TACK ON ISLAND PER USDCCA DWG. NO.221.

⑦ "SA" 601+30.80, 0.1'± RT TO "SA" 601+12.71, 3.62' RT "SA" 601+30.80, 12.3±' RT
CONSTRUCT TYPE A ISLAND CURB PER USDCCA DWG. NO.219.

⑦A "SA" 604+20.00, 11.6'± LT TO "SA" 604+25.00, 11.67' LT
"SA" 604+20.00, 0.4'± RT TO "SA" 604+25.00, 0.49' LT
CONSTRUCT ISLAND CURB (TYPE A) TO TACK ON ISLAND TRANSITION PER DETAIL "D" (SEE SHEET SD-3).

⑫ "SA" 610+10.00, 60.7'± RT TO "SA" 610+65.00, 60.7'± RT
CONSTRUCT SPECIAL 10-INCH CONCRETE CURB AND GUTTER PER DETAIL "A" (SEE SHEET SD-2). TRANSITION ON BOTH ENDS TO MATCH EXISTING PER DETAIL "C" (SEE SHEET SD-3).

⑬ "SA" 605+54.00, 46.7'± LT TO "SA" 606+54.00, 46.7'± LT
"SA" 609+80.00, 47.7'± RT TO "SA" 610+80.00, 47.7'± RT
CONSTRUCT PCCP FOR BUS PLATFORM (SEE TYPICAL SECTIONS).

⑯ "SA" 605+79.00, 73.25' LT TO "SA" 606+14.00, 73.25' LT
CONSTRUCT RETAINING WALL (H=2.5') PER DETAIL "L" (SEE SHEET SD-7)

㉕ "SA" 609+21.94, 65.7'± RT "SA" 609+80.16, 65.3'± RT
RECONSTRUCT CONCRETE CROSS GUTTER SPANDREL PER DETAIL "H" (SEE SHEET SD-4).

㉖ "SA" 607+22.50, 71.0'± LT A = 8.0', B = 8.0' CASE I
"SA" 608+26.35, 68.3'± LT A = 9.5', B = 4.5' CASE I
"SA" 607+32.81, 75.5'± RT A = 8.0', B = 9.5' CASE I
"SA" 609+21.94, 65.7'± RT A = 8.0', B = 8.0' CASE I
"SA" 609+80.16, 65.3'± RT A = 8.0', B = 4.8' CASE I
RECONSTRUCT SIDEWALK RAMP PER USDCCA DWG. NO. 235.

㉙ "SA" 605+79.00, 72.50' LT TO "SA" 606+14.00, 72.50' LT
"SA" 610+10.00, 66.7'± RT TO "SA" 610+20.00, 66.67'± RT
"SA" 610+20.00, 72.67' RT TO "SA" 610+55.00, 72.67' RT
"SA" 610+55.00, 66.67' RT TO "SA" 610+65.00, 66.7'± RT
CONSTRUCT CONCRETE BUS SHELTER PAD PER USDCCA DWG. NO.234.2. SEE SHEET SD-15 FOR SHELTER CLASSIFICATION TABLE.

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call 811 or 1-800-227-2600
FAST Call before you UnderGround 1-702-432-5300
AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DIG OVERHEAD 1-702-227-2929

AS-BUILT
Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

NOTE:
1. FOR MEDIAN ISLNAD GEOMETRICS NOT SHOWN, SEE SHEET SD SHEETS.

REV. NO.	DATE	DESCRIPTION	APPROVED
A	5/31/12	AS-BUILT	RJP

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
CONSTRUCTION PLAN
"SA" 599+00 to "SA" 611+00
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

REGIONAL TRANSPORTATION COMMISSION RTC OF SOUTHERN NEVADA

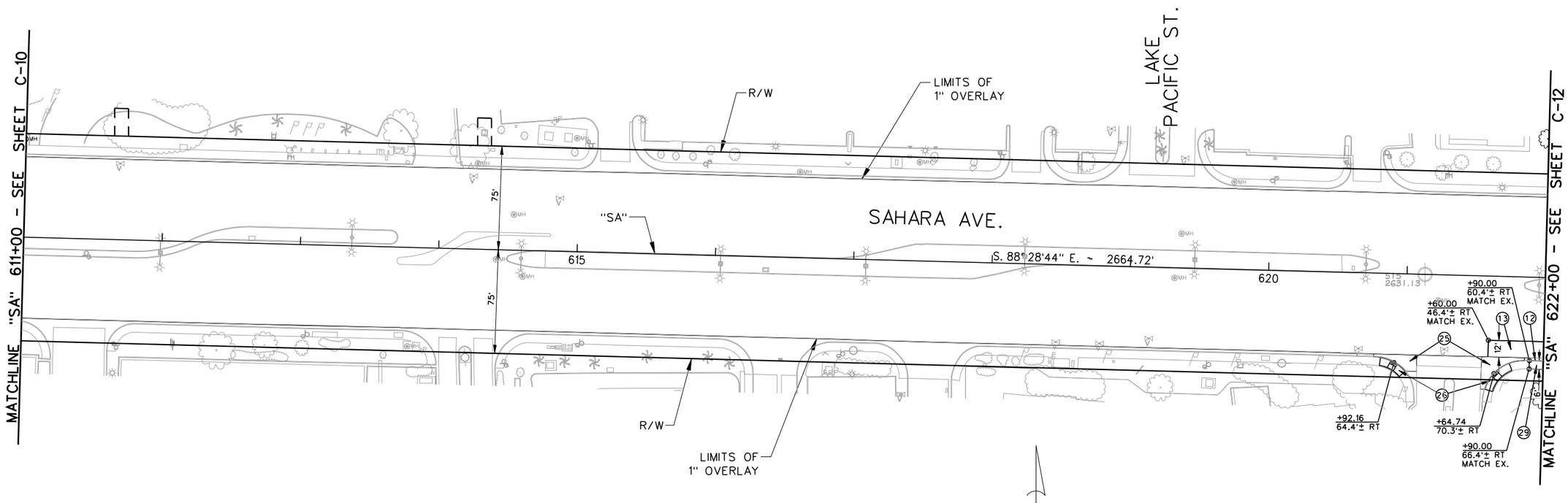
PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: JX CHECKED BY: KK
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. C-10

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT
AS - BUILT - 05.31.2012



CONSTRUCTION ITEMS:

(12)	"SA" 621+90.00, 60.4'± RT TO "SA" 622+00.00, 60.4'± RT	CONSTRUCT SPECIAL 10-INCH CONCRETE CURB AND GUTTER PER DETAIL "A" (SEE SHEET SD-2). TRANSITION ON BOTH ENDS TO MATCH EXISTING PER DETAIL "C" (SEE SHEET SD-3).
(13)	"SA" 621+60.00, 46.4'± RT TO "SA" 622+00.00, 46.4'± RT	CONSTRUCT PCCP FOR BUS PLATFORM (SEE TYPICAL SECTIONS).
(25)	"SA" 620+92.16, 64.4'± RT "SA" 621+64.74, 70.3'± RT	RECONSTRUCT CONCRETE CROSS GUTTER SPANDREL PER DETAIL "H" (SEE SHEET SD-4).
(26)	"SA" 620+92.16, 64.4'± RT A=B=12:1 MAX. SLOPE CASE I "SA" 621+64.74, 70.3'± RT A = 8.0', B = 8.0' CASE I	RECONSTRUCT SIDEWALK RAMP PER USDCCA DWG. NO. 235.
(29)	"SA" 621+90.00, 66.4'± RT TO "SA" 622+00.00, 66.40' RT	CONSTRUCT CONCRETE BUS SHELTER PAD PER USDCCA DWG. NO.234.2. SEE SHEET SD-15 FOR SHELTER CLASSIFICATION TABLE.

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call 811 or 1-800-227-2600

FAST Call before you UnderGround 1-702-432-5300 FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

CONSTRUCTION PLAN

"SA" 611+00 to "SA" 622+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: JX CHECKED BY: KK
APPROVED BY RJP

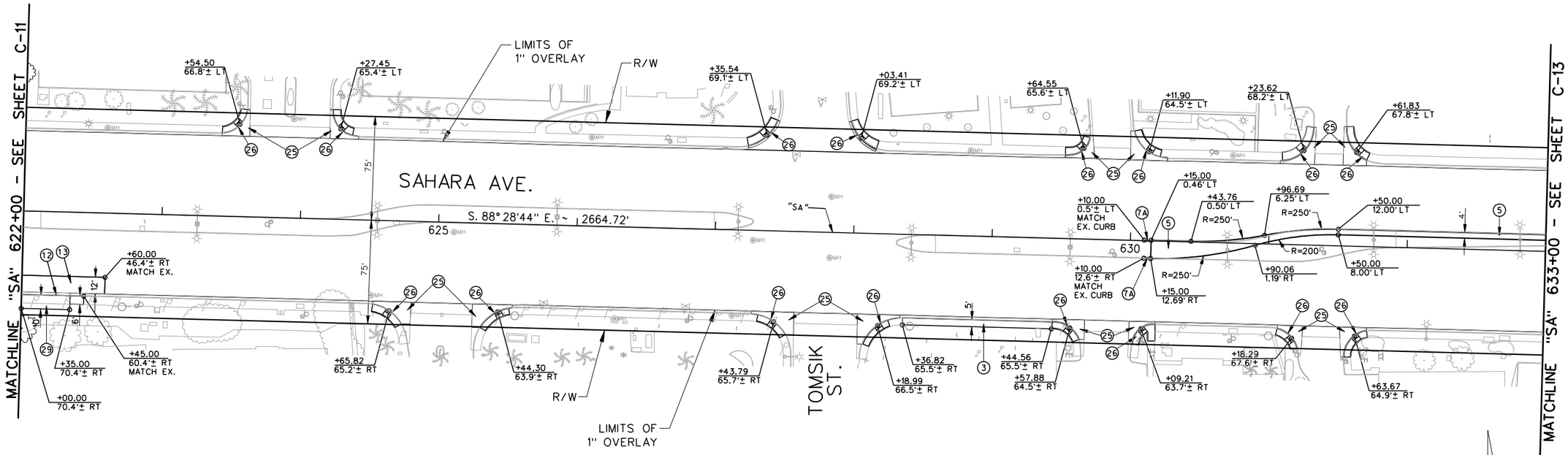
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. C-11

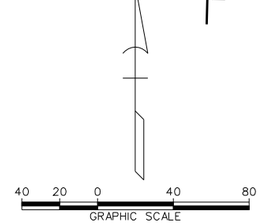
SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012



CONSTRUCTION ITEMS:

③	"SA" 628+36.82, 65.5'± RT TO "SA" 629+44.56, 65.5'± RT	CONSTRUCT CONCRETE SIDEWALK PER USDCCA DWG. NO.234.
⑤	"SA" 630+15.00, 12.69' RT TO "SA" 633+00.00, 12.00' LT	CONSTRUCT CONCRETE TACK ON ISLAND PER USDCCA DWG. NO.221.
⑦A	"SA" 630+10.00, 0.5'± LT TO "SA" 630+15.00, 0.46' LT "SA" 630+10.00, 12.6'± RT TO "SA" 630+15.00, 12.69' RT	CONSTRUCT ISLAND CURB (TYPE A) TO TACK ON ISLAND TRANSITION PER DETAIL "D" (SEE SHEET SD-3).
⑫	"SA" 622+00.00, 60.4'± RT TO "SA" 622+45.00, 60.4'± RT	CONSTRUCT SPECIAL 10-INCH CONCRETE CURB AND GUTTER PER DETAIL "A" (SEE SHEET SD-2). TRANSITION ON BOTH ENDS TO MATCH EXISTING PER DETAIL "C" (SEE SHEET SD-3).
⑬	"SA" 622+00.00, 46.4'± RT TO "SA" 622+60.00, 46.4'± RT	CONSTRUCT PCCP FOR BUS PLATFORM (SEE TYPICAL SECTIONS).
㉕	"SA" 623+54.50, 66.8'± LT "SA" 624+27.45, 65.4'± LT "SA" 629+64.55, 65.6'± LT "SA" 630+11.90, 64.5'± LT "SA" 631+23.62, 68.2'± LT "SA" 631+61.83, 67.8'± LT "SA" 624+65.82, 65.2'± RT "SA" 625+44.30, 63.9'± RT "SA" 627+43.79, 65.7'± RT "SA" 628+18.99, 66.5'± RT "SA" 629+57.88, 64.5'± RT "SA" 630+09.21, 63.7'± RT "SA" 631+18.29, 67.6'± RT "SA" 631+63.67, 64.9'± RT	RECONSTRUCT CONCRETE CROSS GUTTER SPANDREL PER DETAIL "H" (SEE SHEET SD-4).
㉖	"SA" 623+54.50, 66.8'± LT A = 8.0', B = 8.0' CASE I "SA" 624+27.45, 65.4'± LT A = 9.5', B = 4.5' CASE I "SA" 627+35.54, 69.1'± LT A = 8.0', B = 8.0' CASE I "SA" 628+03.41, 69.2'± LT A = 9.5', B = 8.0' CASE I "SA" 629+64.55, 65.6'± LT A = 8.0', B = 4.0' CASE I "SA" 630+11.90, 64.5'± LT A = 12.0', B = 4.5' CASE I "SA" 631+23.62, 68.2'± LT A = 9.5', B = 12' CASE I "SA" 631+61.83, 67.8'± LT A = 15', B = 4.5' CASE I	RECONSTRUCT SIDEWALK RAMP PER USDCCA DWG. NO. 235 AND PER RAMP DETAILS ON SHEET SD-10.
㉖	"SA" 624+65.82, 65.2'± RT A = 8.0', B = 8.0' CASE I "SA" 625+44.30, 63.9'± RT A = 12.0', B = 4.5' CASE I "SA" 627+43.79, 65.7'± RT A = 8.0', B = 8.0' CASE I "SA" 628+18.99, 66.5'± RT A = 12.0', B = 4.5' CASE I "SA" 629+57.88, 64.5'± RT A = 6.0', B = 8.0' CASE I "SA" 630+09.21, 63.7'± RT CASE I, DETAIL "Z" "SA" 631+18.29, 67.6'± RT A = 3.3', B = 7.3' CASE I "SA" 631+63.67, 64.9'± RT A = 4.5', B = 11.0' CASE I CASE II AB	RECONSTRUCT SIDEWALK RAMP PER USDCCA DWG. NO. 235 AND PER RAMP DETAILS ON SHEET SD-10.
㉙	"SA" 622+00.00, 70.40' RT TO "SA" 622+35.00, 70.40' RT "SA" 622+35.00, 66.40' RT TO "SA" 622+45.00, 66.4'± RT	CONSTRUCT CONCRETE BUS SHELTER PAD PER USDCCA DWG. NO.234.2. (SEE SHEET SD-15 FOR SHELTER CLASSIFICATION SCHEDULE).



AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY.
Call 811 OR 1-800-227-2600
FAST
Call before you UnderGround
1-702-432-5300
FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION
AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY.
CALL BEFORE YOU DO OVERHEAD
1-702-227-2929

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

CONSTRUCTION PLAN

"SA" 622+00 to "SA" 633+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: JX CHECKED BY: KK
APPROVED BY RJP

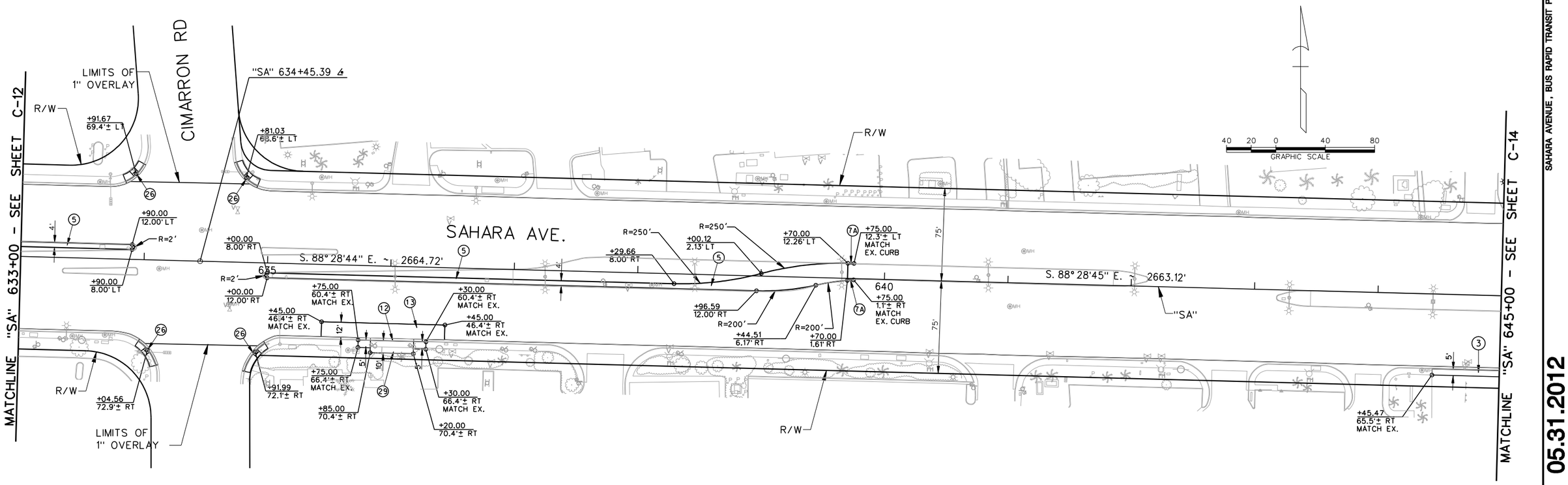
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. C-12

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012



CONSTRUCTION ITEMS:

③	"SA" 644+45.47, 65.5'± RT TO "SA" 645+00.00, 65.5'± RT	CONSTRUCT CONCRETE SIDEWALK PER USDCCA DWG. NO. 234.
⑤	"SA" 633+00.00, 8.00' LT TO "SA" 633+90.00, 12.00' LT	CONSTRUCT CONCRETE TACK ON ISLAND PER USDCCA DWG. NO. 221.
	"SA" 635+00.00, 12.00' RT TO "SA" 639+70.00, 12.26' LT	
⑦A	"SA" 639+70.00, 12.26' LT TO "SA" 639+75.00, 12.3'± LT	CONSTRUCT ISLAND CURB (TYPE A) TO TACK ON ISLAND TRANSITION PER DETAIL "D" (SEE SHEET SD-3).
	"SA" 639+70.00, 1.61' RT TO "SA" 639+75.00, 1.1'± RT	
⑫	"SA" 635+75.00, 60.4'± RT TO "SA" 636+30.00, 60.4'± RT	CONSTRUCT SPECIAL 10-INCH CONCRETE CURB AND GUTTER PER DETAIL "A" (SEE SHEET SD-2). TRANSITION ON BOTH ENDS TO MATCH EXISTING PER DETAIL "C" (SEE SHEET SD-3).
⑬	"SA" 635+45.00, 46.4'± RT TO "SA" 636+45.00, 46.4'± RT	CONSTRUCT PCCP FOR BUS PLATFORM (SEE TYPICAL SECTIONS).
㉖	"SA" 633+91.67, 69.4'± LT A = 8.0', B = 8.0' CASE I	RECONSTRUCT SIDEWALK RAMP PER USDCCA DWG. NO. 235.
	"SA" 634+81.03, 68.6'± LT A = 12', B = 6.5' CASE I	
	"SA" 634+04.56, 72.9'± RT A = 12.0', B = 8.0' CASE I	
	"SA" 634+91.99, 72.1'± RT A = 4.5', B = 15' CASE I	
㉙	"SA" 635+75.00, 65.4'± RT TO "SA" 635+85.00, 65.37' RT	CONSTRUCT CONCRETE BUS SHELTER PAD PER USDCCA DWG. NO. 234.2. (SEE SHEET SD-15 FOR SHELTER CLASSIFICATION TABLE).
	"SA" 635+85.00, 70.37' RT TO "SA" 636+20.00, 70.37' RT	
	"SA" 636+20.00, 65.37' RT TO "SA" 636+30.00, 65.4'± RT	

Call 811 or 1-800-227-2600 — FAST Call before you UnderGround 1-702-432-5300 — Call before you overhead 1-702-227-2929

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

CONSTRUCTION PLAN

"SA" 633+00 to "SA" 645+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: JX CHECKED BY: KK
APPROVED BY RJP

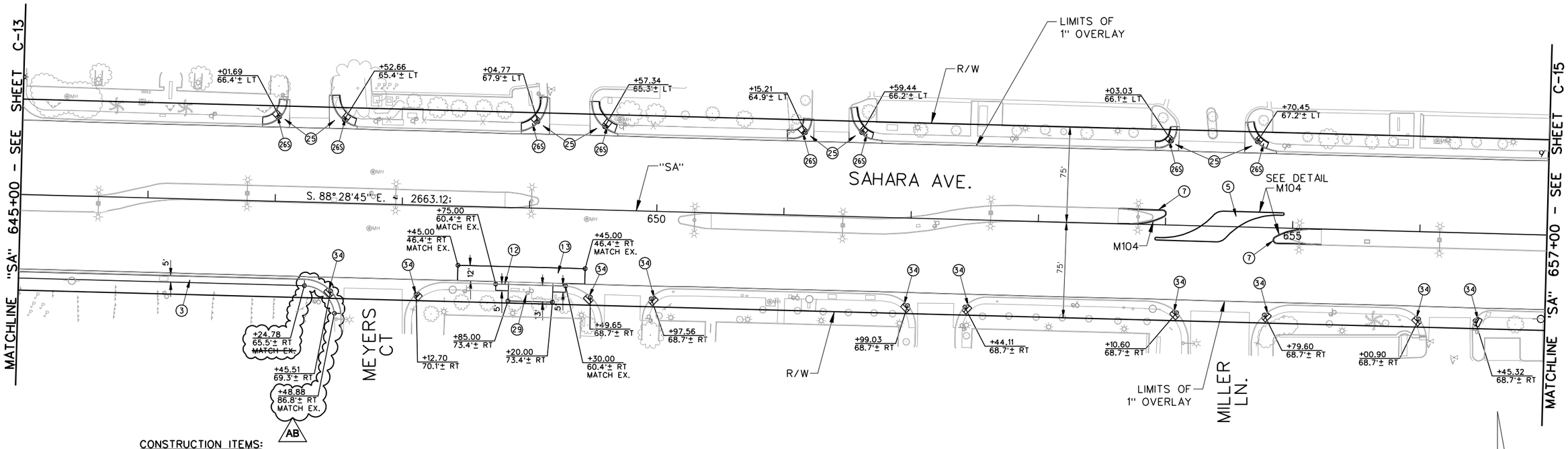
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. C-13

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012



CONSTRUCTION ITEMS:

③ "SA" 645+00.00, 65.5'± RT TO "SA" 647+24.78, 65.5'± RT — CONSTRUCT CONCRETE SIDEWALK PER USDCCA DWG. NO. 234.

⑤ "SA" 653+93.00, 12.00' RT TO "SA" 654+92.00, 12.00' LT — CONSTRUCT CONCRETE TACK ON ISLAND PER USDCCA DWG. NO.221.

⑦ "SA" 653+63.00, 12.4'± LT TO "SA" 653+99.07, 6.39' LT "SA" 653+63.00, 0.4'± RT; "SA" 655+23.00, 0.3'± LT TO "SA" 654+86.16, 6.92' RT TO "SA" 655+23.00, 12.7'± RT — CONSTRUCT TYPE A ISLAND CURB PER USDCCA DWG. NO.219.

⑫ "SA" 648+75.00, 60.4'± RT TO "SA" 649+30.00, 60.4'± RT — CONSTRUCT SPECIAL 10-INCH CONCRETE CURB AND GUTTER PER DETAIL "A" (SEE SHEET SD-2). TRANSITION ON BOTH ENDS TO MATCH EXISTING PER DETAIL "C" (SEE SHEET SD-3).

⑬ "SA" 648+45.00, 46.4'± RT TO "SA" 649+45.00, 46.4'± RT — CONSTRUCT PCCP FOR BUS PLATFORM (SEE TYPICAL SECTIONS).

㉕ "SA" 647+01.69, 66.4'± LT; "SA" 647+52.66, 65.4'± LT; "SA" 649+04.77, 67.9'± LT; "SA" 649+57.34, 65.3'± LT; "SA" 651+15.21, 64.9'± LT; "SA" 651+59.44, 66.2'± LT; "SA" 654+03.03, 66.1'± LT; "SA" 654+70.45, 67.2'± LT

㉙ "SA" 648+65.00, 65.4'± RT TO "SA" 648+75.00, 65.44' RT; "SA" 648+75.00, 73.44' RT TO "SA" 649+10.00, 73.44' RT; "SA" 649+10.00, 65.44' RT TO "SA" 649+20.00, 65.4'± RT — CONSTRUCT CONCRETE BUS SHELTER PAD PER USDCCA DWG. NO. 234.2. (SEE SHEET SD-15 FOR SHELTER CLASSIFICATION TABLE).

㉞ "SA" 647+45.51, 69.28' RT; "SA" 648+12.70, 70.06' RT; "SA" 649+49.65, 68.72' RT; "SA" 649+97.56, 68.72' RT; "SA" 651+99.03, 68.72' RT; "SA" 652+44.11, 68.72' RT; "SA" 654+10.60, 68.72' RT; "SA" 654+79.60, 68.72' RT; "SA" 656+00.90, 68.72' RT; "SA" 656+45.32, 68.72' RT — INSTALL DETECTABLE WARNING PANEL PER USDCCA DWG. NO. 235.

㉖⑤ "SA" 647+01.69, 66.4'± LT A=8.0', B=8.7' CASE I; "SA" 647+52.66, 65.4'± LT A=15.0', B=4.5' CASE I; "SA" 649+04.77, 67.9'± LT A=8.0', B=15.0' CASE I; "SA" 649+57.34, 65.3'± LT A=9.5', B=4.5' CASE I; "SA" 651+15.21, 64.9'± LT A=8.0', B=5.5' CASE I; "SA" 651+59.44, 66.2'± LT A=15.0', B=4.5' CASE I; "SA" 654+03.03, 66.1'± LT A=8.0', B=8.0' CASE I; "SA" 654+70.45, 67.2'± LT A=12.0', B=4.5' CASE I — RECONSTRUCT SIDEWALK RAMP PER USDCCA DWG. NO. 235. AND PER SIDEWALK DETAIL "L2" OR "L3" ON SHEET SD-7

40 20 0 40 80
GRAPHIC SCALE

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

NOTE:
1. FOR MEDIAN ISLAND GEOMETRICS NOT SHOWN, SEE SD SHEETS.

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call 811 OR 1-800-227-2600
FAST Call before you UnderGround 1-702-432-5300 FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION
AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

CONSTRUCTION PLAN

"SA" 645+00 to "SA" 657+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No:	CB 1083	DRAWN BY:	GFV
DESIGNED BY:	JX	CHECKED BY:	KK
APPROVED BY	RJP		

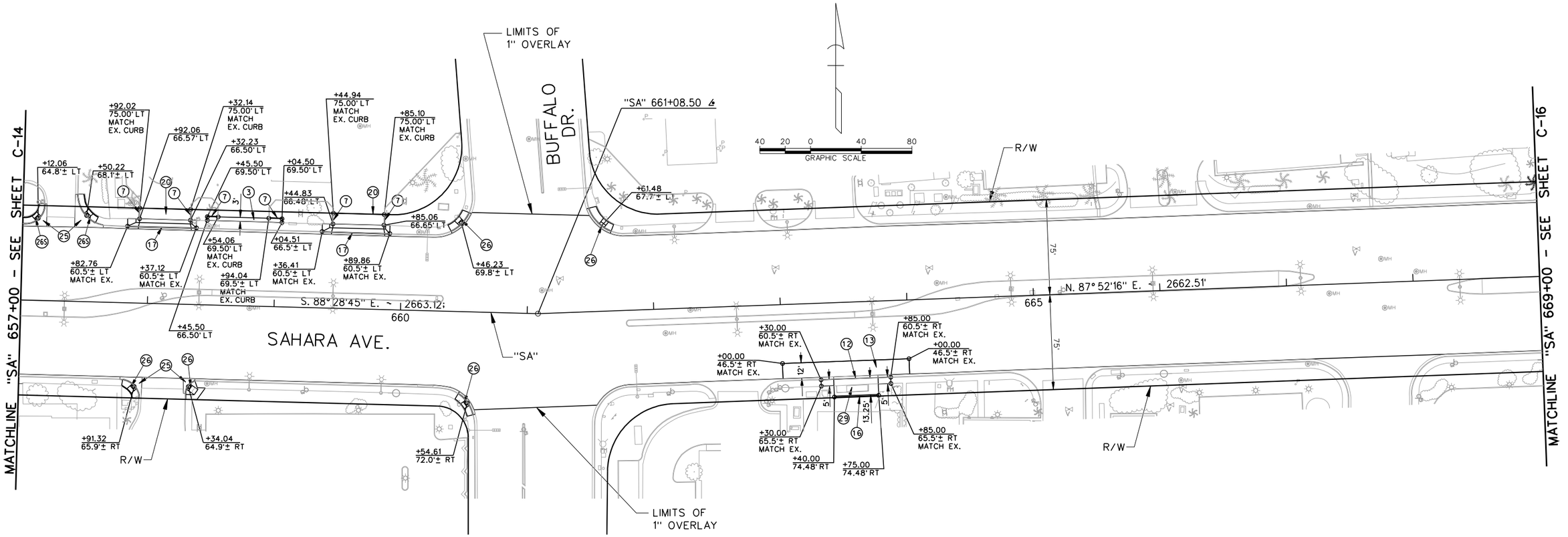
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. C-14

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012



CONSTRUCTION ITEMS:

③ "SA" 658+45.50. 69.50' LT TO "SA" 659+04.50. 69.50' LT — CONSTRUCT CONCRETE SIDEWALK PER USDCCA DWG. NO. 234.

⑦ "SA" 657+92.06. 66.57' LT TO "SA" 657+92.02. 75.00' LT — CONSTRUCT TYPE A ISLAND CURB PER USDCCA DWG 219.

"SA" 658+32.23. 66.50' LT TO "SA" 658+32.14. 75.00' LT

"SA" 658+45.50. 66.50' LT TO
"SA" 658+45.50. 69.50' LT TO
"SA" 658+54.06. 69.50' LT

"SA" 658+94.04. 69.50' LT TO
"SA" 659+04.50. 69.50' LT TO
"SA" 659+04.50. 66.50' LT

"Pe" 659+44.83. 66.48' LT TO
"Pe" 659+44.94. 75.00' LT

"Pe" 659+85.06. 66.65' LT TO
"Pe" 659+85.10. 75.00' LT

⑫ "SA" 663+30.00. 60.5'± RT TO "SA" 663+85.00. 60.5'± RT — CONSTRUCT SPECIAL 10-INCH CONCRETE CURB AND GUTTER PER DETAIL "A" (SEE SHEET SD-2). TRANSITION ON BOTH ENDS TO MATCH EXISTING PER DETAIL "C" (SEE SHEET SD-3).

⑬ "SA" 663+00.00. 46.5'± RT TO "SA" 664+00.00. 46.5'± RT — CONSTRUCT PCCP FOR BUS PLATFORM (SEE TYPICAL SECTIONS).

⑯ "SA" 663+40.00. 74.48' RT TO "SA" 663+75.00. 74.48' RT — CONSTRUCT RETAINING WALL (H=2') PER DETAIL "L" (SEE SHEET SD-7)

⑰ "SA" 657+82.76. 60.5'± LT TO "SA" 658+37.12. 60.5'± LT A=8.5' B=4.0' — CONSTRUCT SINGLE FAMILY DRIVEWAY PER DETAIL "I" (SEE SHEET SD-5) AND ASSOCIATED TYPE L CONCRETE CURB AND GUTTER PER USDCCA DWG NO. 216.

"SA" 659+36.41. 60.5'± LT TO "SA" 659+89.86. 60.5'± LT A=7.5' B=4.0'

⑳ "SA" 657+92.02. 75.00' LT TO "SA" 658+32.14. 75.00' LT — CONSTRUCT PAVEMENT STRUCTURAL SECTION 2 (SEE SHEET TY-6).

"SA" 659+44.94. 75.00' LT TO "SA" 659+85.10. 75.00' LT

㉕ "SA" 657+12.06. 64.8'± LT — RECONSTRUCT CONCRETE CROSS GUTTER SPANDREL PER DETAIL "H" (SEE SHEET SD-4).

"SA" 657+50.22. 68.1'± LT

"SA" 657+91.32. 65.9'± RT

"SA" 658+34.04. 64.9'± RT

㉖S "SA" 657+12.06. 64.8'± LT A = 8.0'. B = 8.0' CASE I — RECONSTRUCT SIDEWALK RAMP PER USDCCA DWG. NO. 235. AND PER SIDEWALK DETAIL "L2' OR "L3" ON SHEET SD-7

"SA" 657+50.22. 68.1'± LT A = 12.0'. B = 4.5' CASE I

㉖ "SA" 660+46.23. 69.8'± LT A = 8.0'. B = 8.0' CASE I — RECONSTRUCT SIDEWALK RAMP PER USDCCA DWG. NO. 235 AND PER RAMP DETAILS ON SHEET SD-10.

"SA" 661+61.48. 67.7'± LT A = 12'. B = 4.5' CASE I

"SA" 657+91.32. 65.9'± RT A = 8.0'. B = 8.0' CASE I

"SA" 658+34.04. 64.9'± RT CASE II. DETAIL "AA"

"SA" 660+54.61. 71.2'± RT A = 8.0'. B = 8.0' CASE I

㉙ "SA" 663+30.00. 65.5'± RT TO "SA" 663+40.00. 65.48' RT — CONSTRUCT CONCRETE BUS SHELTER PAD PER USDCCA DWG. NO. 234.2. (SEE SHEET SD-15 FOR SHELTER CLASSIFICATION TABLE).

"SA" 663+40.00. 73.73' RT TO "SA" 663+75.00. 73.73' RT

"SA" 663+75.00. 65.48' RT TO "SA" 663+85.00. 65.5'± RT

Call 811 or 1-800-227-2600 — FAST Call before you UnderGround 1-702-432-5300 — CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
A	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

CONSTRUCTION PLAN

"SA" 657+00 to "SA" 669+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: JX CHECKED BY: KK
APPROVED BY RJP

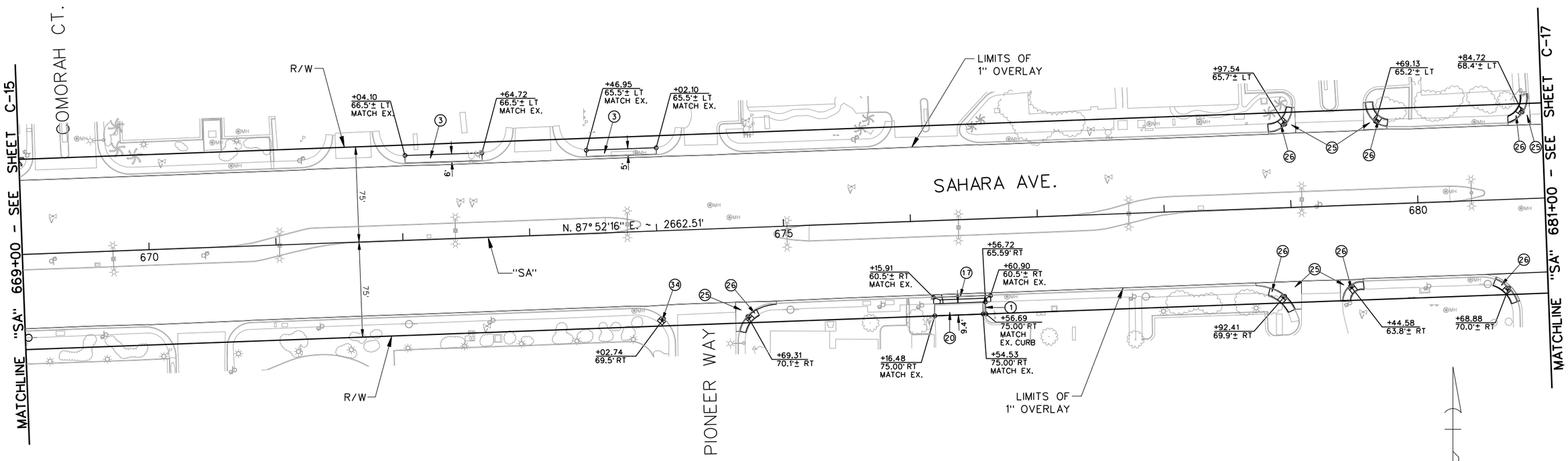
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-8632 • FAX (702) 736-0704

SCALE
HORIZ : AS SHOWN
VERT : NONE
FIELD BOOK : NONE

SHEET No. C-15

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012



CONSTRUCTION ITEMS:

①	"SA" 676+56.72, 65.59' RT TO "SA" 676+56.69, 75.00' RT	CONSTRUCT TYPE L CONCRETE CURB AND GUTTER PER USDCCA DWG. NO. 216.
③	"SA" 672+04.10, 66.5'± LT TO "SA" 672+64.72, 66.5'± LT "SA" 673+46.95, 65.5'± LT TO "SA" 674+02.10, 65.5'± LT	CONSTRUCT CONCRETE SIDEWALK PER USDCCA DWG. NO. 234.
⑰	"SA" 676+15.91, 60.5'± RT TO "SA" 676+60.90, 60.5'± RT A=4.' B=7.5'	CONSTRUCT SINGLE FAMILY DRIVEWAY PER DETAIL "I" (SEE SHEET SD-5) AND ASSOCIATED TYPE L CONCRETE CURB AND GUTTER PER USDCCA DWG. NO. 216.
⑳	"SA" 676+16.48. 75.00' RT TO "SA" 676+54.53. 75.00' RT	CONSTRUCT PAVEMENT STRUCTURAL SECTION 2 (SEE SHEET TY-6).
㉕	"SA" 678+97.54, 65.7'± LT "SA" 679+69.13, 65.2'± LT "SA" 680+84.72, 68.4'± LT "SA" 674+69.31, 70.1'± RT "SA" 678+92.41, 69.9'± RT "SA" 679+44.58, 63.8'± RT	RECONSTRUCT CONCRETE CROSS GUTTER SPANDREL PER DETAIL "H" (SEE SHEET SD-4).
㉖	"SA" 678+97.54, 65.7'± LT A=8.0', B=8.0' CASE I "SA" 679+69.13, 65.2'± LT A=12', B=4.5' CASE I "SA" 680+84.72, 68.4'± LT A=8.0', B=8.0' CASE I "SA" 674+69.31, 70.1'± RT A=4.5', B=8.0' CASE I "SA" 678+92.41, 69.9'± RT A=8.0', B=8.0' CASE I "SA" 679+44.58, 63.8'± RT A=4.5', B=8.0' CASE I "SA" 680+68.88, 70.0'± RT A=8.0', B=8.0' CASE I	RECONSTRUCT SIDEWALK RAMP PER USDCCA DWG. NO. 235.
㉞	"SA" 674+02.74. 69.5'± RT	INSTALL DETECTABLE WARNING PANEL PER USDCCA DWG. NO. 235.

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call 811 OR 1-800-227-2600

FAST Call before you UnderGround 1-702-432-5300 FREEWAY AND ARTERIAL SYSTEMS OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
A	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

CONSTRUCTION PLAN

"SA" 669+00 to "SA" 681+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: JX CHECKED BY: KK
APPROVED BY RJP

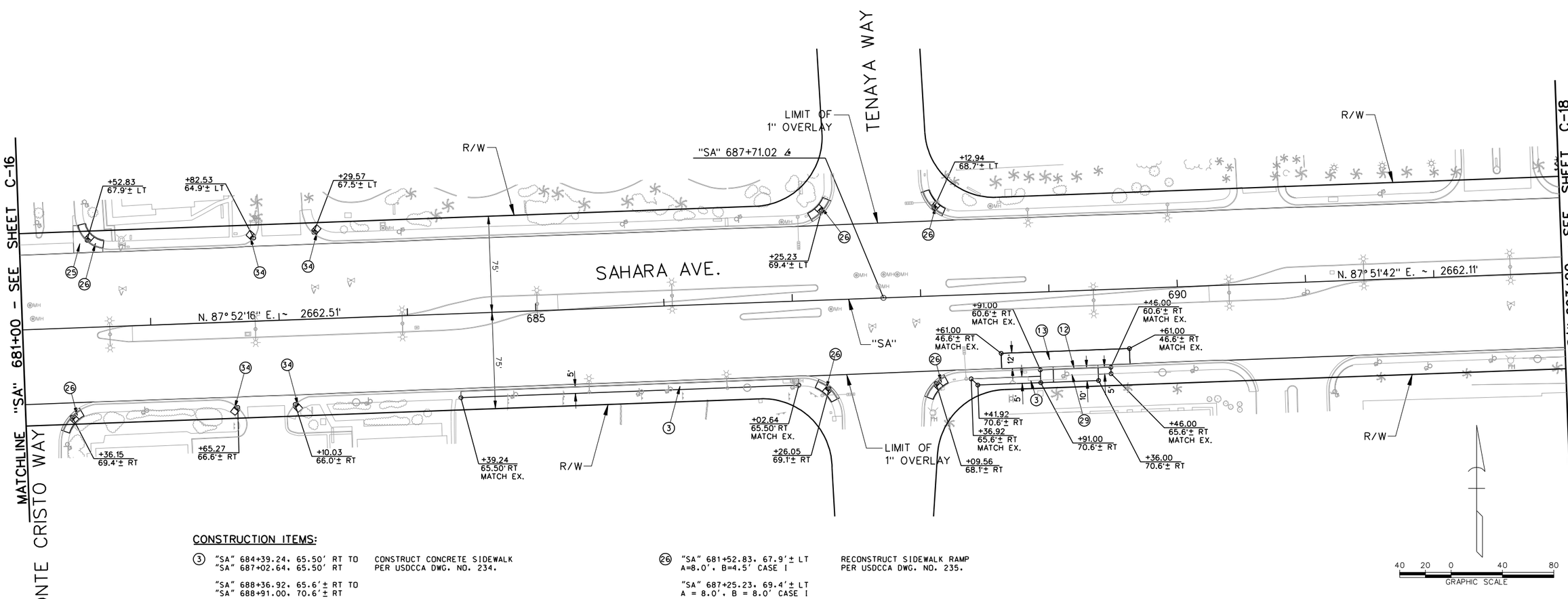
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. C-16

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012



CONSTRUCTION ITEMS:

③ "SA" 684+39.24, 65.50' RT TO "SA" 687+02.64, 65.50' RT — CONSTRUCT CONCRETE SIDEWALK PER USDCCA DWG. NO. 234.

"SA" 688+36.92, 65.6'± RT TO "SA" 688+91.00, 70.6'± RT

⑫ "SA" 688+91.00, 60.6'± RT TO "SA" 689+46.00, 60.6'± RT — CONSTRUCT SPECIAL 10-INCH CONCRETE CURB AND GUTTER PER DETAIL "A" (SEE SHEET SD-2). TRANSITION ON BOTH ENDS TO MATCH EXISTING PER DETAIL "C" (SEE SHEET SD-3).

⑬ "SA" 688+61.00, 46.6'± RT TO "SA" 689+61.00, 46.6'± RT — CONSTRUCT PCCP FOR BUS PLATFORM (SEE TYPICAL SECTIONS).

㉕ "SA" 681+52.83, 67.9' LT — RECONSTRUCT CONCRETE CROSS GUTTER SPANDREL PER DETAIL "H" (SEE SHEET SD-4).

㉖ "SA" 681+52.83, 67.9'± LT A=8.0', B=4.5' CASE I — RECONSTRUCT SIDEWALK RAMP PER USDCCA DWG. NO. 235.

"SA" 687+25.23, 69.4'± LT A = 8.0', B = 8.0' CASE I

"SA" 688+12.94, 68.7'± LT A=12', B = 4.5' CASE I

"SA" 681+36.15, 69.4'± RT A=4.5', B=8.0' CASE I

"SA" 687+26.05, 69.1'± RT A = 8.0', B = 8.0' CASE I

"SA" 688+09.56, 68.1'± RT A = 4.5', B = 8.0' CASE I

㉙ "SA" 688+91.00, 70.63'± RT TO "SA" 689+36.00, 70.63'± RT — CONSTRUCT CONCRETE BUS SHELTER PAD PER USDCCA DWG. NO. 234.2. (SEE SHEET SD-15 FOR SHELTER CLASSIFICATION TABLE).

㉞ "SA" 682+82.53, 64.9'± LT; "SA" 683+29.57, 67.5'± LT; "SA" 682+65.27, 66.6'± RT; "SA" 683+10.03, 66.0'± RT — INSTALL DETECTABLE WARNING PANEL PER USDCCA DWG. NO. 235.

Call 811 or 1-800-227-2600 — FAST Call before you UnderGround 1-702-432-5300 — CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

CONSTRUCTION PLAN

"SA" 681+00 to "SA" 693+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: JX CHECKED BY: KK
APPROVED BY RJP

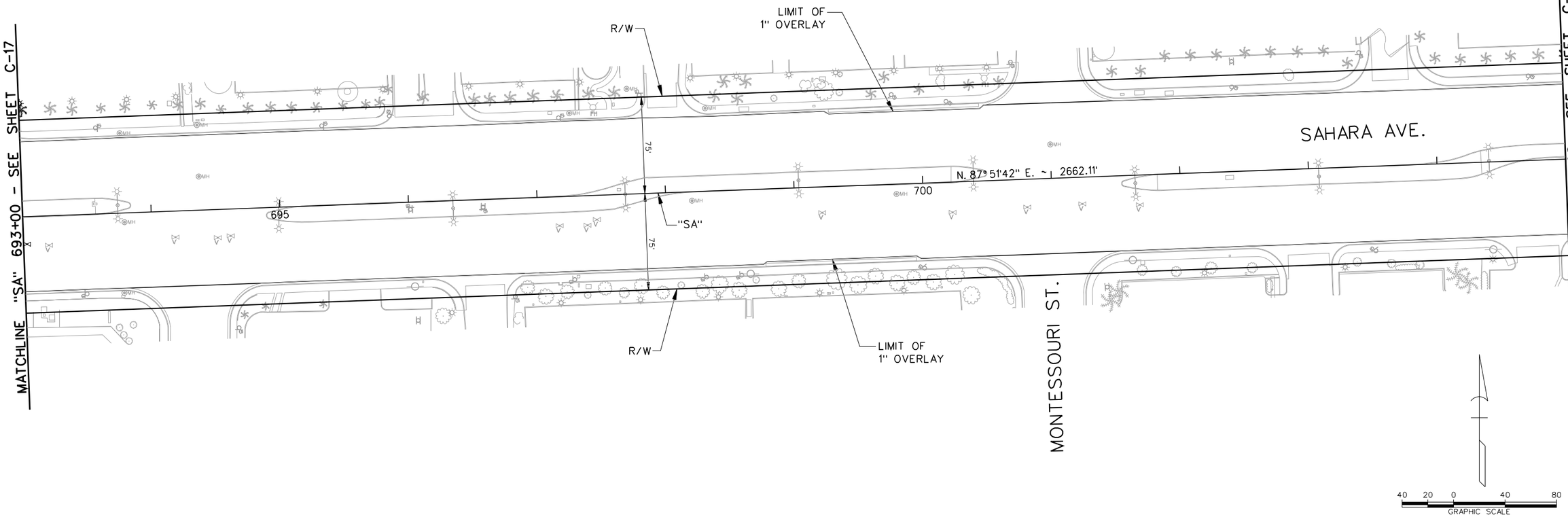
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. C-17

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012



AS - BUILT - 05.31.2012

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

Call 811 or 1-800-227-2600

FAST Call before you UnderGround 1-702-432-5300

Call BEFORE YOU DO OVERHEAD 1-702-227-2929

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

CONSTRUCTION PLAN

"SA" 693+00 to "SA" 705+00

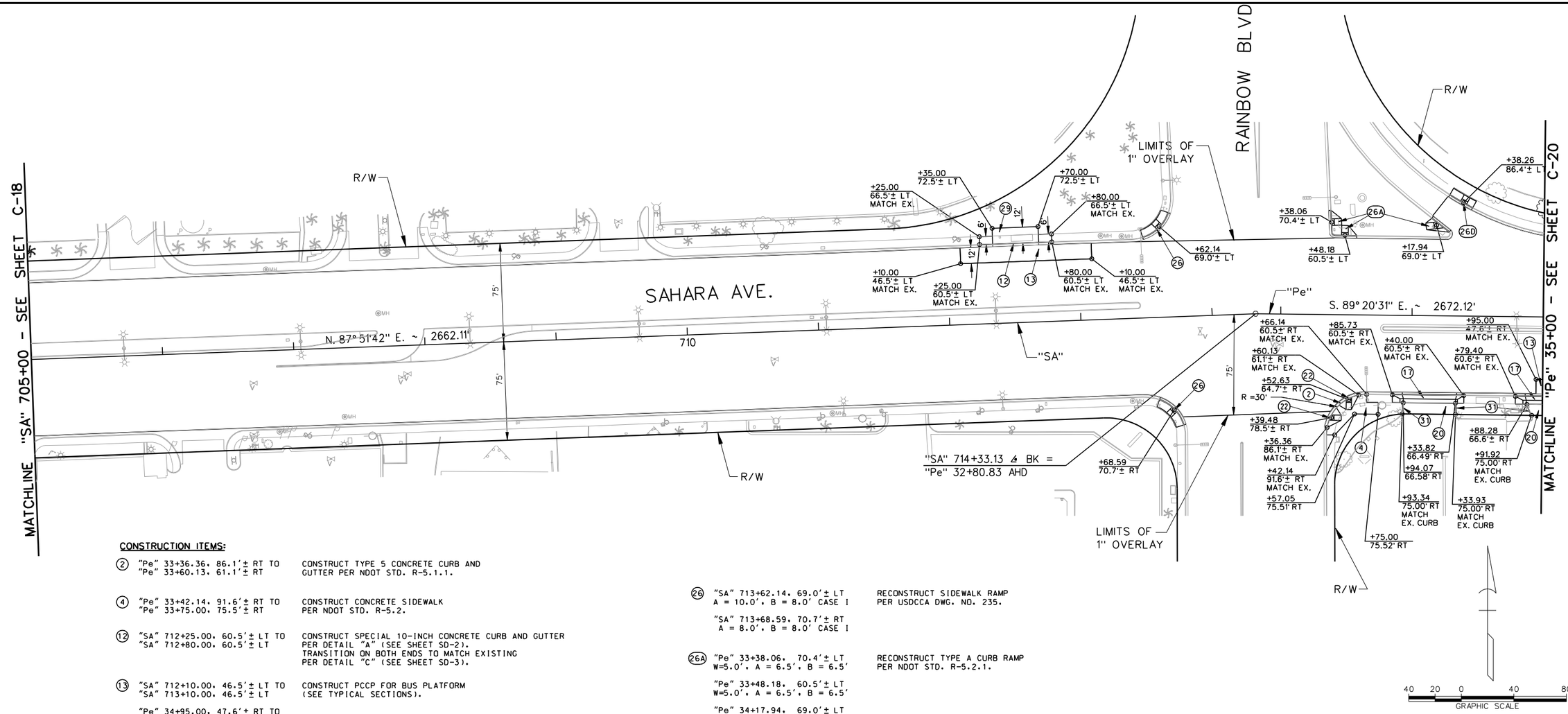
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: JX CHECKED BY: KK
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ : AS SHOWN
VERT : NONE
FIELD BOOK : NONE

SHEET No. C-18



CONSTRUCTION ITEMS:

(2) "Pe" 33+36.36, 86.1'± RT TO "Pe" 33+60.13, 61.1'± RT — CONSTRUCT TYPE 5 CONCRETE CURB AND GUTTER PER NDOT STD. R-5.1.1.

(4) "Pe" 33+42.14, 91.6'± RT TO "Pe" 33+75.00, 75.5'± RT — CONSTRUCT CONCRETE SIDEWALK PER NDOT STD. R-5.2.

(12) "SA" 712+25.00, 60.5'± LT TO "SA" 712+80.00, 60.5'± LT — CONSTRUCT SPECIAL 10-INCH CONCRETE CURB AND GUTTER PER DETAIL "A" (SEE SHEET SD-2). TRANSITION ON BOTH ENDS TO MATCH EXISTING PER DETAIL "C" (SEE SHEET SD-3).

(13) "SA" 712+10.00, 46.5'± LT TO "SA" 713+10.00, 46.5'± LT; "Pe" 34+95.00, 47.6'± RT TO "Pe" 35+00.00, 47.6'± RT — CONSTRUCT PCCP FOR BUS PLATFORM (SEE TYPICAL SECTIONS).

(17) "Pe" 33+85.73, 60.50' RT TO "Pe" 34+40.00, 60.50' RT A=5.5' B=7.5'; "Pe" 34+79.40, 60.6'± RT TO "Pe" 35+25.00, 60.6'± RT A=4.0' B=7.5' — CONSTRUCT SINGLE FAMILY DRIVEWAY PER DETAIL "I" (SEE SHEET SD-5) AND ASSOCIATED TYPE 5 CONCRETE CURB AND GUTTER PER NDOT STD R-5.1.1.

(20) "Pe" 33+93.34, 75.00' RT TO "Pe" 34+33.93, 75.00' RT — CONSTRUCT PAVEMENT STRUCTURAL SECTION 2 (SEE SHEET TY-6).

(22) "Pe" 33+39.48, 78.5'± RT A=5.5', B=5.5'; "Pe" 33+52.63, 64.7'± RT A=5.5', B=5.5' — CONSTRUCT TYPE A CURB RAMP PER NDOT STD. R-5.2.1.

(26) "SA" 713+62.14, 69.0'± LT A = 10.0', B = 8.0' CASE I; "SA" 713+68.59, 70.7'± RT A = 8.0', B = 8.0' CASE I — RECONSTRUCT SIDEWALK RAMP PER USDCCA DWG. NO. 235.

(26A) "Pe" 33+38.06, 70.4'± LT W=5.0', A = 6.5', B = 6.5'; "Pe" 33+48.18, 60.5'± LT W=5.0', A = 6.5', B = 6.5'; "Pe" 34+17.94, 69.0'± LT W=5.0', A = 6.5', B = 6.5' — RECONSTRUCT TYPE A CURB RAMP PER NDOT STD. R-5.2.1.

(26D) "Pe" 34+38.26, 86.4'± LT W=5.0', A = 9.5', B = 5.5' — RECONSTRUCT TYPE D CURB RAMP PER NDOT STD. R-5.2.2.

(29) "SA" 712+25.00, 66.5'± LT TO "SA" 712+35.00, 66.47' LT; "SA" 712+35.00, 72.47' LT TO "SA" 712+70.00, 72.47' LT; "SA" 712+70.00, 66.47' LT TO "SA" 712+80.00, 66.5'± LT — CONSTRUCT CONCRETE BUS SHELTER PAD PER USDCCA DWG. NO. 234.2. (SEE SHEET SD-15 FOR SHELTER CLASSIFICATION TABLE).

(31) "Pe" 33+94.07, 66.58' RT TO "Pe" 33+93.34, 75.00' RT; "Pe" 34+33.82, 66.49' RT TO "Pe" 34+33.93, 75.00' RT; "Pe" 34+88.28, 66.61'± RT TO "Pe" 34+91.92, 75.00' RT — CONSTRUCT TYPE 2 CURB PER NDOT STD R-5.1.1.

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call 811 OR 1-800-227-2600

FAST — Call before you UnderGround 1-702-432-5300 — FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

CONSTRUCTION PLAN

"SA" 705+00 to "Pe" 35+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

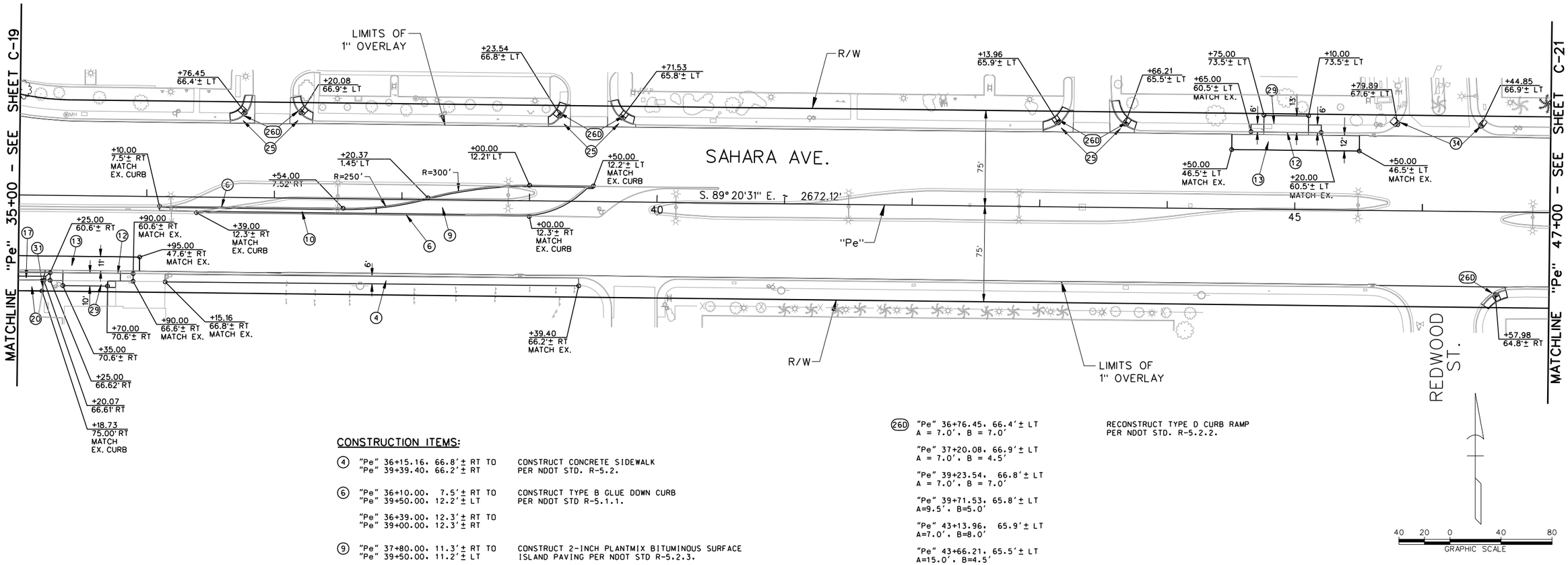
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: JX CHECKED BY: KK
APPROVED BY RJP

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. C-19

AS - BUILT - 05.31.2012



CONSTRUCTION ITEMS:

④	"Pe" 36+15.16, 66.8'± RT TO "Pe" 39+39.40, 66.2'± RT	CONSTRUCT CONCRETE SIDEWALK PER NDOT STD. R-5.2.
⑥	"Pe" 36+10.00, 7.5'± RT TO "Pe" 39+50.00, 12.2'± LT "Pe" 36+39.00, 12.3'± RT TO "Pe" 39+00.00, 12.3'± RT	CONSTRUCT TYPE B GLUE DOWN CURB PER NDOT STD R-5.1.1.
⑨	"Pe" 37+80.00, 11.3'± RT TO "Pe" 39+50.00, 11.2'± LT	CONSTRUCT 2-INCH PLANTMIX BITUMINOUS SURFACE ISLAND PAVING PER NDOT STD R-5.2.3.
⑩	"Pe" 36+10.00, 8.5'± RT TO "Pe" 37+80.00, 11.3'± RT	CONSTRUCT 4-INCH P.C.C. ISLAND PAVING PER NDOT STD R-5.2.3.
⑫	"Pe" 44+65.00, 60.5'± LT TO "Pe" 45+20.00, 60.5'± LT "Pe" 35+25.00, 60.6'± RT TO "Pe" 35+90.00, 60.6'± RT	CONSTRUCT SPECIAL 10-INCH CONCRETE CURB AND GUTTER PER DETAIL "A" (SEE SHEET SD-2). TRANSITION ON BOTH ENDS TO MATCH EXISTING PER DETAIL "C" (SEE SHEET SD-3).
⑬	"Pe" 44+50.00, 46.5'± LT TO "Pe" 45+50.00, 46.5'± LT "Pe" 35+00.00, 47.6'± RT TO "Pe" 35+95.00, 47.6'± RT	CONSTRUCT PCCP FOR BUS PLATFORM (SEE TYPICAL SECTIONS).
⑳	"Pe" 34+91.92, 75.00' RT TO "Pe" 35+18.73, 75.00' RT	CONSTRUCT PAVEMENT STRUCTURAL SECTION 2 (SEE SHEET TY-6).
㉕	"Pe" 36+76.45, 66.4'± LT "Pe" 37+20.08, 66.9'± LT "Pe" 39+23.54, 66.8'± LT "Pe" 39+71.53, 65.8'± LT "Pe" 43+13.95, 65.9'± LT "Pe" 43+66.21, 65.5'± LT	RECONSTRUCT CONCRETE CROSS GUTTER SPANDREL PER DETAIL "H" (SEE SHEET SD-4).
㉖	"Pe" 36+76.45, 66.4'± LT A = 7.0', B = 7.0' "Pe" 37+20.08, 66.9'± LT A = 7.0', B = 4.5' "Pe" 39+23.54, 66.8'± LT A = 7.0', B = 7.0' "Pe" 39+71.53, 65.8'± LT A=9.5', B=5.0' "Pe" 43+13.96, 65.9'± LT A=7.0', B=8.0' "Pe" 43+66.21, 65.5'± LT A=15.0', B=4.5' "Pe" 46+57.98, 64.8'± RT A=5.5', B=8.0'	RECONSTRUCT TYPE D CURB RAMP PER NDOT STD. R-5.2.2.
㉙	"Pe" 44+65.00, 66.50' LT TO "Pe" 44+75.00, 66.50' LT "Pe" 44+75.00, 73.52' LT TO "Pe" 45+10.00, 73.52' LT "Pe" 45+10.00, 66.50' LT TO "Pe" 45+20.00, 66.50' LT "Pe" 35+25.00, 66.62' RT TO "Pe" 35+35.00, 66.62' RT "Pe" 35+35.00, 70.62' RT TO "Pe" 35+70.00, 70.62' RT "Pe" 35+70.00, 66.62' RT TO "Pe" 35+90.00, 66.6'± RT	CONSTRUCT CONCRETE BUS SHELTER PAD PER USDCCA DWG. NO. 234.2. (SEE SHEET SD-15 FOR SHELTER CLASSIFICATION TABLE).
㉛	"Pe" 35+20.07, 66.61' RT TO "Pe" 35+18.73, 75.00' RT	CONSTRUCT TYPE 2 CURB PER NDOT STD R-5.1.1.
㉞	"Pe" 45+79.89, 67.6'± LT "Pe" 46+44.85, 66.9'± LT	INSTALL DETECTABLE WARNING PANEL

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

Call 811 or 1-800-227-2600 — AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY.

FAST — Call before you UnderGround 1-702-432-5300 — FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

CALL BEFORE YOU DIG OVERHEAD — AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
A	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

CONSTRUCTION PLAN

"Pe" 35+00 to "Pe" 47+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: JX CHECKED BY: KK
APPROVED BY RJP

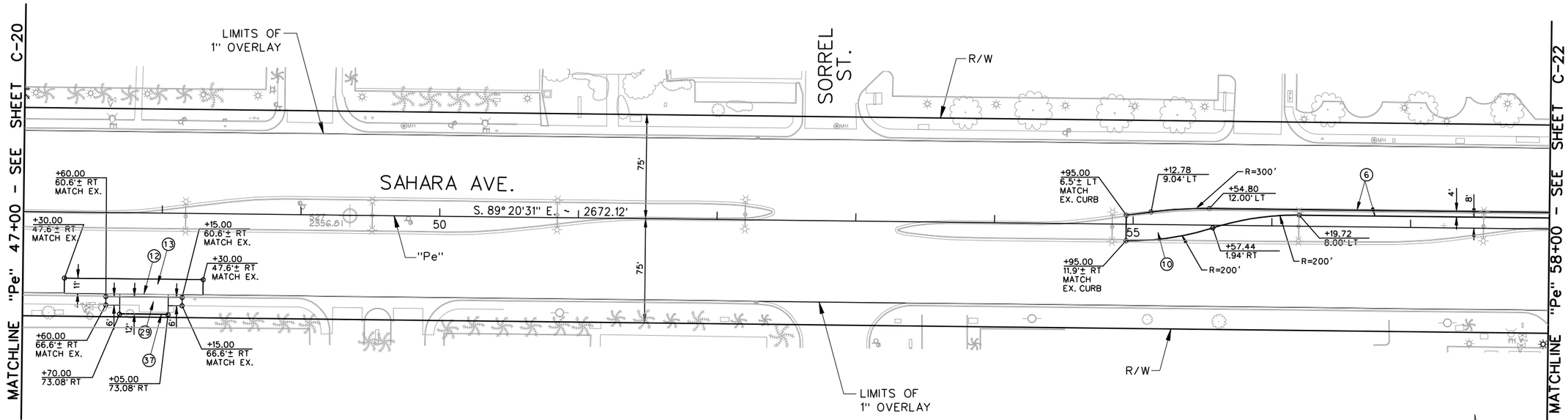
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No.
C-20
Sheet 94 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012



CONSTRUCTION ITEMS:

⑥	"Pe" 54+95.00. 6.5'± LT TO "Pe" 58+00.00. 12.00' LT	CONSTRUCT TYPE B GLUE DOWN CURB PER NDOT STD R-5.1.1.
	"Pe" 54+95.00. 11.9'± RT TO "Pe" 58+00.00. 8.00' LT	
⑩	"Pe" 54+95.00. 6.5'± LT TO "Pe" 58+00.00. 8.0' LT	CONSTRUCT 4-INCH P.C.C. ISLAND PAVING PER NDOT STD R-5.2.3.
⑫	"Pe" 47+60.00. 60.6'± RT TO "Pe" 48+15.00. 60.6'± RT	CONSTRUCT SPECIAL 10-INCH CONCRETE CURB AND GUTTER PER DETAIL "A" (SEE SHEET SD-2). TRANSITION ON BOTH ENDS TO MATCH EXISTING PER DETAIL "C" (SEE SHEET SD-3).
⑬	"Pe" 47+30.00. 47.6'± RT TO "Pe" 48+30.00. 47.6'± RT	CONSTRUCT PCCP FOR BUS PLATFORM (SEE TYPICAL SECTIONS).
㉙	"Pe" 47+60.00. 66.6'± RT TO "Pe" 47+70.00. 66.58' RT	CONSTRUCT CONCRETE BUS SHELTER PAD PER USDCCA DWG. NO. 234.2. (SEE SHEET SD-15 FOR SHELTER CLASSIFICATION TABLE).
	"Pe" 47+70.00. 72.58' RT TO "Pe" 48+05.00. 72.58' RT	
	"Pe" 48+05.00. 66.58' RT TO "Pe" 48+15.00. 66.6'± RT	
㊲	"Pe" 47+70.00. 73.08' RT TO "Pe" 48+05.00. 73.08' RT	CONSTRUCT SPECIAL SIDEWALK RETAINING CURB (H=1') PER DETAIL "L1" (SEE SHEET SD-7)

Call 811 or 1-800-227-2600

FAST Call before you UnderGround 1-702-432-5300 FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
A	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

CONSTRUCTION PLAN

"Pe" 47+00 to "Pe" 58+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: JX CHECKED BY: KK
APPROVED BY RJP

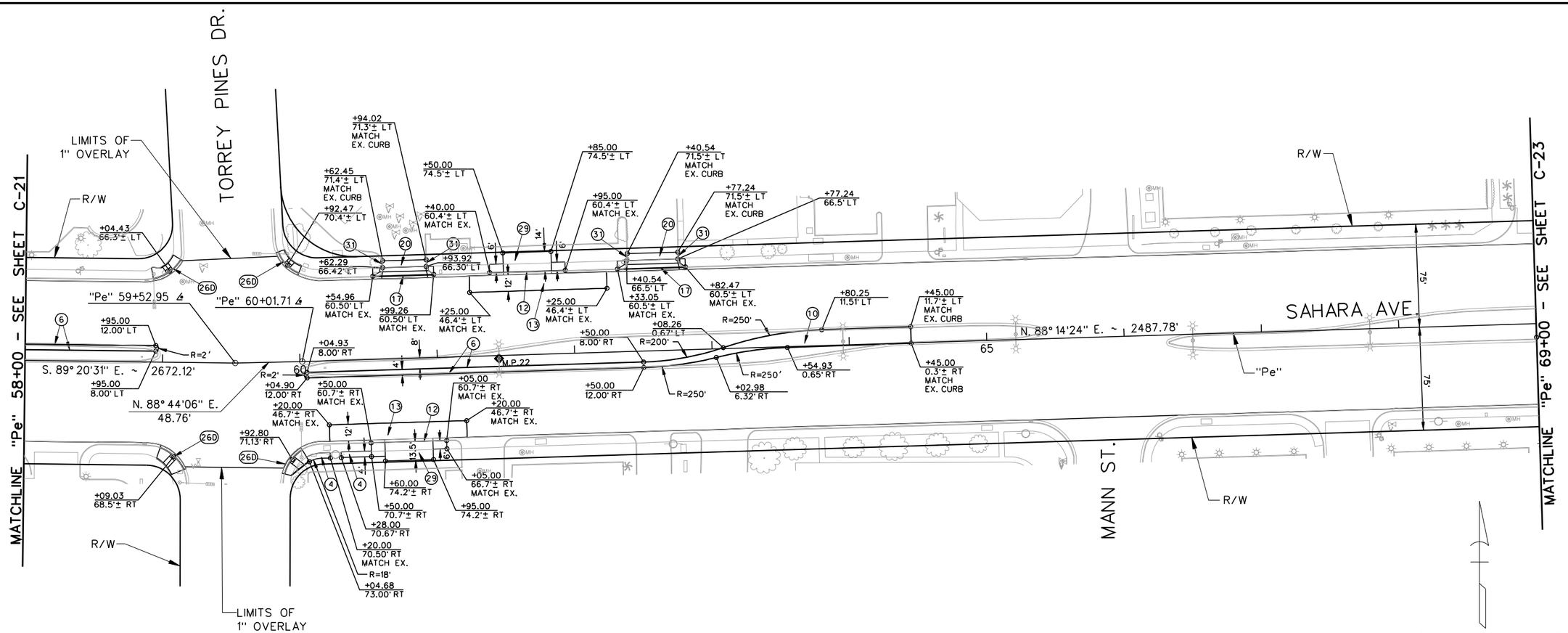
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ : AS SHOWN
VERT : NONE
FIELD BOOK : NONE

SHEET No. C-21

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012



CONSTRUCTION ITEMS:

(4) "Pe" 60+04.68. 73.00' RT TO "Pe" 60+20.00. 70.50' RT — CONSTRUCT CONCRETE SIDEWALK PER NDOT STD. R-5.2.

"Pe" 60+28.00. 70.67' RT TO "Pe" 60+50.00. 70.7'± RT

(6) "Pe" 58+00.00. 8.00' LT TO "Pe" 58+95.00. 12.00' LT TO "Pe" 58+00.00. 12.00' LT — CONSTRUCT TYPE B GLUE DOWN CURB PER NDOT STD R-5.1.1.

"Pe" 60+04.93. 8.00' RT TO "Pe" 60+04.90. 12.00' RT

"Pe" 60+04.90. 12.00' RT TO "Pe" 64+45.00. 0.3'± LT

"Pe" 60+04.93. 8.00' RT TO "Pe" 64+45.00. 11.7'± LT

(10) "Pe" 61+04.90. 12.00' RT TO "Pe" 64+45.00. 11.7'± LT — CONSTRUCT 4-INCH P.C.C. ISLAND PAVING PER NDOT STD R-5.2.3.

(12) "Pe" 61+40.00. 60.4'± LT TO "Pe" 61+95.00. 60.4'± LT — CONSTRUCT SPECIAL 10-INCH CONCRETE CURB AND GUTTER PER DETAIL "A" (SEE SHEET SD-2). TRANSITION ON BOTH ENDS TO MATCH EXISTING

"Pe" 60+50.00. 60.7'± RT TO "Pe" 61+05.00. 60.7'± RT — PER DETAIL "C" (SEE SHEET SD-3).

(13) "Pe" 61+25.00. 46.4'± LT TO "Pe" 62+25.00. 46.4'± LT — CONSTRUCT PCCP FOR BUS PLATFORM (SEE TYPICAL SECTIONS).

"Pe" 60+20.00. 46.7'± RT TO "Pe" 61+20.00. 46.7'± RT

(17) "Pe" 60+54.96. 60.5'± LT TO "Pe" 60+99.26. 60.5'± LT A=6.5' B=4.5' — CONSTRUCT SINGLE FAMILY DRIVEWAY PER DETAIL "I" (SEE SHEET SD-5) AND ASSOCIATED TYPE 5 CONCRETE CURB AND GUTTER PER NDOT STD R-5.1.1.

"Pe" 62+33.05. 60.5'± LT TO "Pe" 62+82.47. 60.5'± LT A=6.5' B=4.5'

(20) "Pe" 60+62.45. 71.4'± LT TO "Pe" 60+94.02. 71.3'± LT — CONSTRUCT PAVEMENT STRUCTURAL SECTION 2 (SEE SHEET TY-6).

"Pe" 62+40.54. 71.5'± LT TO "Pe" 62+77.24. 71.5'± LT

(260) "Pe" 59+04.43. 66.3'± LT W=5.0'. A = 8.0'. B = 7.0' — RECONSTRUCT TYPE D CURB RAMP PER NDOT STD. R-5.2.2 AND PER RAMP DETAILS ON SHEET SD-10.

"Pe" 59+92.47. 70.4'± LT W=5.0'. A = 7.0'. B = 5.5'

"Pe" 59+09.03. 68.5'± RT DETAIL "BB"

"Pe" 59+92.80. 71.1'± RT DETAIL "CC"

(29) "Pe" 61+40.00. 66.4'± LT TO "Pe" 61+50.00. 66.45' LT — CONSTRUCT CONCRETE BUS SHELTER PAD PER USDCCA DWG. NO. 234.2. (SEE SHEET SD-15 FOR SHELTER CLASSIFICATION TABLE).

"Pe" 61+50.00. 74.45' LT TO "Pe" 61+85.00. 74.45' LT

"Pe" 61+85.00. 66.45' LT TO "Pe" 61+95.00. 66.4'± LT

"Pe" 60+50.00. 70.67' RT TO "Pe" 60+60.00. 70.67' RT

"Pe" 60+60.00. 74.17' RT TO "Pe" 60+95.00. 74.17' RT

"Pe" 60+95.00. 66.67' RT TO "Pe" 61+05.00. 66.7'± RT

(31) "Pe" 60+62.29. 66.42' LT TO "Pe" 60+62.45. 71.42'± LT — CONSTRUCT TYPE 2 CURB PER NDOT STD R-5.1.1.

"Pe" 60+93.92. 66.30' LT TO "Pe" 60+94.02. 71.30'± LT

"Pe" 62+40.54. 66.50' LT TO "Pe" 62+40.54. 71.50'± LT

"Pe" 62+77.24. 66.50' LT TO "Pe" 62+77.24. 71.50'± LT

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call 811 or 1-800-227-2600
FAST Call before you UnderGround 1-702-432-5300 FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION
AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

CONSTRUCTION PLAN

"Pe" 58+00 to "Pe" 69+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: JX CHECKED BY: KK
APPROVED BY RJP

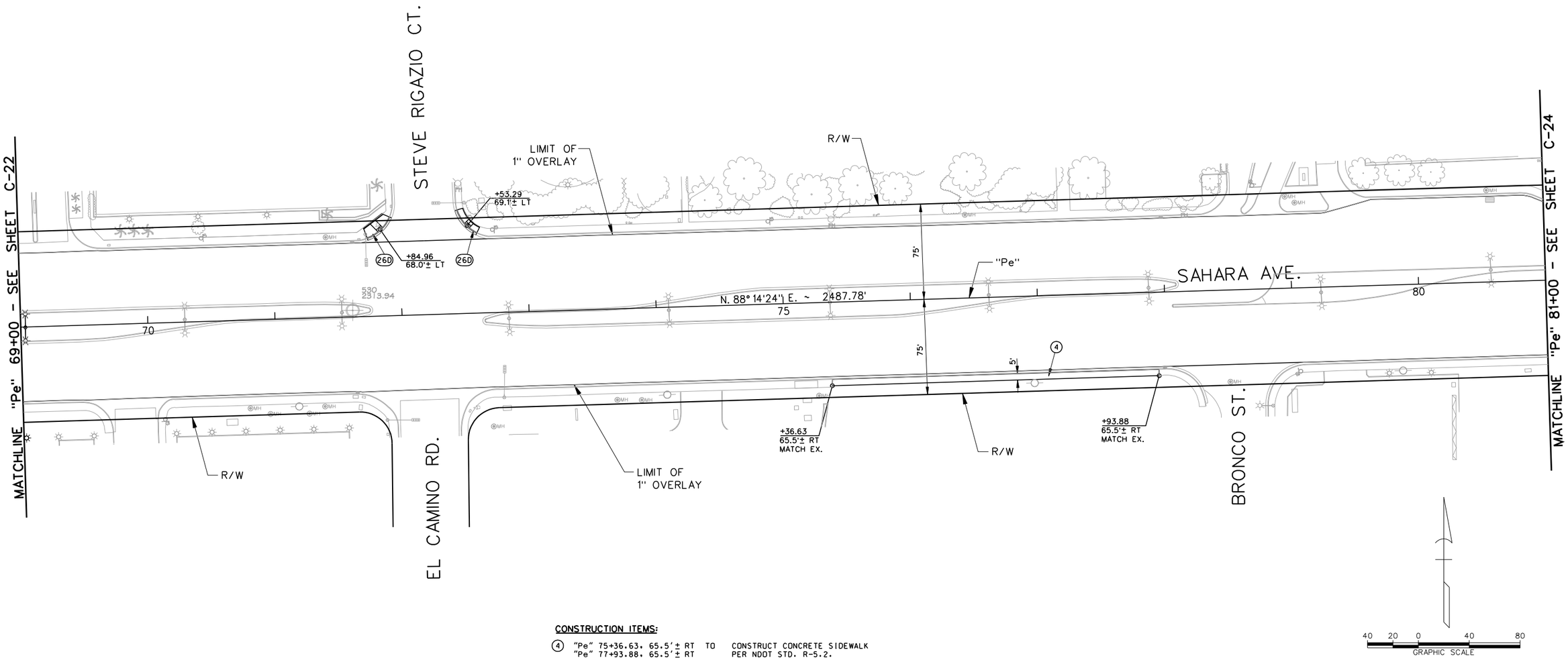
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-8632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. C-22

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012



CONSTRUCTION ITEMS:

(4)	"Pe" 75+36.63, 65.5'± RT TO "Pe" 77+93.88, 65.5'± RT	CONSTRUCT CONCRETE SIDEWALK PER NDOT STD. R-5.2.
(260)	"Pe" 71+84.96, 68.0'± LT SEE DETAIL "DD"	RECONSTRUCT TYPE D CURB RAMP PER NDOT STD. R-5.2.2 AND PER RAM DETAILS ON SHEET SD-10.
	"Pe" 72+53.29, 69.1'± LT W=5.0', A = 9.5', B = 5.5'	

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S CONTROL
Call 811 OR 1-800-227-2600

FAST
Call before you UnderGround
1-702-432-5300
FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. IT'S CONTROL
CALL BEFORE YOU DO OVERHEAD
1-702-227-2929

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

CONSTRUCTION PLAN

"Pe" 69+00 to "Pe" 81+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: JX CHECKED BY: KK
APPROVED BY RJP

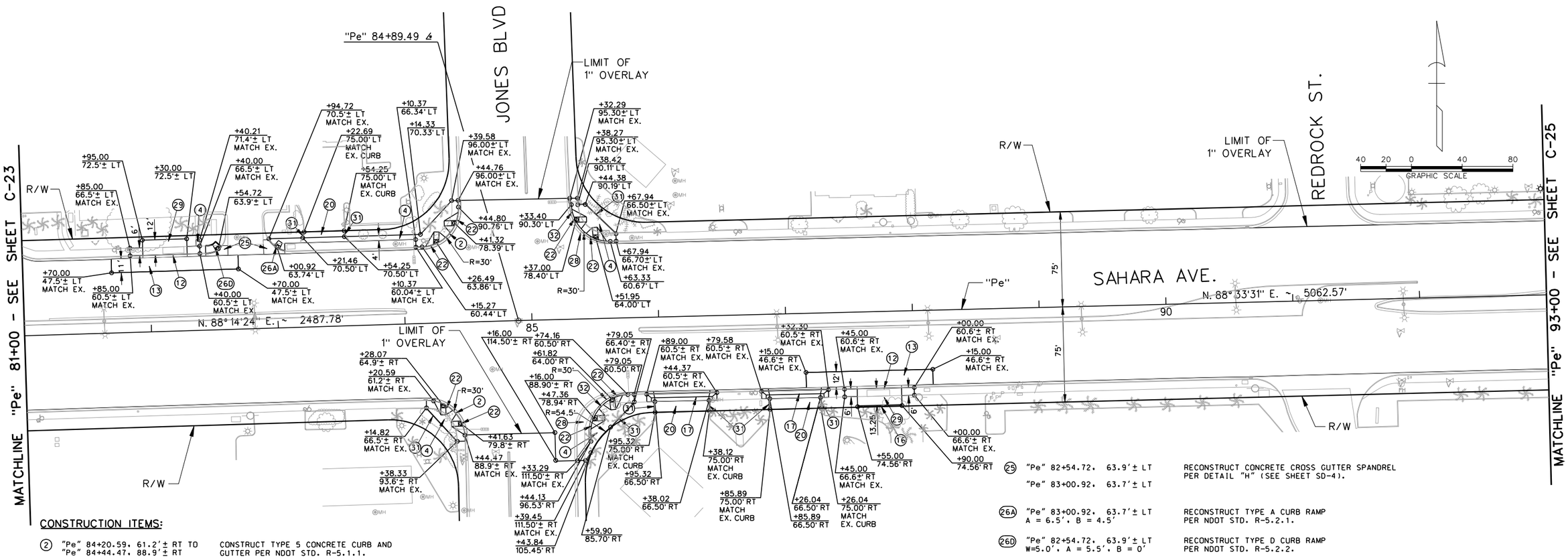
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No.
C-23
Sheet 97 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012



CONSTRUCTION ITEMS:

(2) "Pe" 84+20.59, 61.2'± RT TO "Pe" 84+44.47, 88.9'± RT — CONSTRUCT TYPE 5 CONCRETE CURB AND GUTTER PER NDOT STD. R-5.1.1.

(4) "Pe" 82+40.00, 66.5'± LT TO "Pe" 82+40.21, 71.4'± LT; "Pe" 85+32.29, 95.3'± LT TO "Pe" 85+67.94, 66.5'± LT; "Pe" 85+39.45, 111.5'± RT TO "Pe" 85+79.05, 66.4'± RT; "Pe" 82+94.72, 70.5'± LT TO "Pe" 84+39.58, 96.0'± LT; "Pe" 84+14.82, 66.5'± RT TO "Pe" 84+38.33, 93.6'± RT — CONSTRUCT CONCRETE SIDEWALK PER NDOT STD. R-5.2.

(12) "Pe" 81+85.00, 60.5'± LT TO "Pe" 82+40.00, 60.5'± LT; "Pe" 87+45.00, 60.6'± RT TO "Pe" 88+00.00, 60.6'± RT — CONSTRUCT SPECIAL 10-INCH CONCRETE CURB AND GUTTER PER DETAIL "A" (SEE SHEET SD-2). TRANSITION ON BOTH ENDS TO MATCH EXISTING PER DETAIL "C" (SEE SHEET SD-3).

(13) "Pe" 81+70.00, 47.5'± LT TO "Pe" 82+70.00, 47.5'± LT; "Pe" 87+15.00, 46.6'± RT TO "Pe" 88+15.00, 46.6'± RT — CONSTRUCT PCCP FOR BUS PLATFORM (SEE TYPICAL SECTIONS).

(16) "Pe" 87+55.00, 74.56' RT TO "Pe" 87+90.00, 74.56' RT — CONSTRUCT RETAINING WALL (H=2') PER DETAIL "L" (SEE SHEET SD-7)

(17) "Pe" 85+89.00, 60.5'± RT TO "Pe" 86+44.37, 60.5'± RT A=5.5' B=5.5'; "Pe" 86+79.58, 60.5'± RT TO "Pe" 87+32.30, 60.5'± RT A=5.5' B=5.5' — CONSTRUCT SINGLE FAMILY DRIVEWAY PER DETAIL "I" (SEE SHEET SD-5) AND ASSOCIATED TYPE 5 CONCRETE CURB AND GUTTER PER NDOT STD R-5.1.1.

(20) "Pe" 83+22.69, 75.00' LT TO "Pe" 83+54.25, 75.00' LT; "Pe" 85+95.32, 75.00' RT TO "Pe" 86+38.12, 75.00' RT; "Pe" 86+85.89, 75.00' RT TO "Pe" 87+26.04, 75.00' RT — CONSTRUCT PAVEMENT STRUCTURAL SECTION 2 (SEE SHEET TY-6).

(22) "Pe" 84+28.07, 64.9'± RT A=5.5', B=5.5'; "Pe" 84+41.63, 79.8'± RT A=7.0', B=5.5'; "Pe" 84+26.49, 63.86' LT A=5.5', B=5.5'; "Pe" 84+41.32, 78.39'± LT A=5.5', B=5.5'; "Pe" 85+37.00, 78.40'± LT A=5.5', B=5.5'; "Pe" 85+51.95, 64.00'± LT A=5.5', B=5.5'; "Pe" 85+47.36, 78.94'± RT A=5.5', B=5.5'; "Pe" 85+61.82, 64.0'± RT A=5.5', B=5.5' — CONSTRUCT TYPE A CURB RAMP PER NDOT STD. R-5.2.1.

(25) "Pe" 82+54.72, 63.9'± LT; "Pe" 83+00.92, 63.7'± LT — RECONSTRUCT CONCRETE CROSS GUTTER SPANDREL PER DETAIL "H" (SEE SHEET SD-4).

(26A) "Pe" 83+00.92, 63.7'± LT A = 6.5', B = 4.5' — RECONSTRUCT TYPE A CURB RAMP PER NDOT STD. R-5.2.1.

(26D) "Pe" 82+54.72, 63.9'± LT W=5.0', A = 5.5', B = 0' — RECONSTRUCT TYPE D CURB RAMP PER NDOT STD. R-5.2.2.

(29) "Pe" 81+85.00, 66.5'± LT TO "Pe" 81+95.00, 66.47' LT; "Pe" 81+95.00, 72.47' LT TO "Pe" 82+30.00, 72.47' LT; "Pe" 82+30.00, 66.47' LT TO "Pe" 83+40.00, 66.5'± LT; "Pe" 87+45.00, 66.6'± RT TO "Pe" 87+55.00, 66.56' RT; "Pe" 87+55.00, 73.81' RT TO "Pe" 87+90.00, 73.81' RT; "Pe" 87+90.00, 66.56' RT TO "Pe" 88+00.00, 66.6'± RT — CONSTRUCT CONCRETE BUS SHELTER PAD PER USDCCA DWG. NO. 234.2. (SEE SHEET SD-15 FOR SHELTER CLASSIFICATION TABLE).

(28) "Pe" 85+30.8±, 95.3'± LT TO "Pe" 85+67.44, 59.2'± LT; "Pe" 85+31.20±, 111.50'± RT TO "Pe" 85+79.05, 59.00'± RT — CONSTRUCT PAVEMENT STRUCTURAL SECTION 1 (SEE SHEET TY-6).

(31) "Pe" 83+21.46, 70.50' LT TO "Pe" 83+22.69, 75.00' LT; "Pe" 83+54.25, 70.50' LT TO "Pe" 83+54.25, 75.00' LT; "Pe" 84+14.82, 66.5'± RT TO "Pe" 84+38.33, 93.6'± RT; "Pe" 85+95.32, 66.50' RT TO "Pe" 85+95.32, 75.00' RT; "Pe" 86+38.12, 66.50' RT TO "Pe" 86+38.12, 75.00' RT; "Pe" 86+85.89, 66.50' RT TO "Pe" 86+85.89, 75.00' RT; "Pe" 87+26.04, 66.50' RT TO "Pe" 87+26.04, 75.00' RT — CONSTRUCT TYPE 2 CURB PER NDOT STD R-5.1.1.

"Pe" 85+32.29, 95.3'± LT TO "Pe" 85+67.94, 66.5'± LT; "Pe" 85+39.45, 111.5'± RT TO "Pe" 85+79.05, 66.4'± RT

(32) "Pe" 85+32.29, 95.3'± LT TO "Pe" 85+67.94, 60.7'± LT; "Pe" 85+33.29, 111.5'± RT TO "Pe" 85+79.05, 60.5'± RT — CONSTRUCT TYPE 4 CONCRETE CURB AND GUTTER PER NDOT STD R-5.1.1.

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY.
Call 811 or 1-800-227-2600
FAST
Call before you UnderGround
1-702-432-5300
FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION
AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY.
CALL BEFORE YOU DO OVERHEAD
1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

CONSTRUCTION PLAN

"Pe" 81+00 to "Pe" 93+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: JX CHECKED BY: KK
APPROVED BY RJP

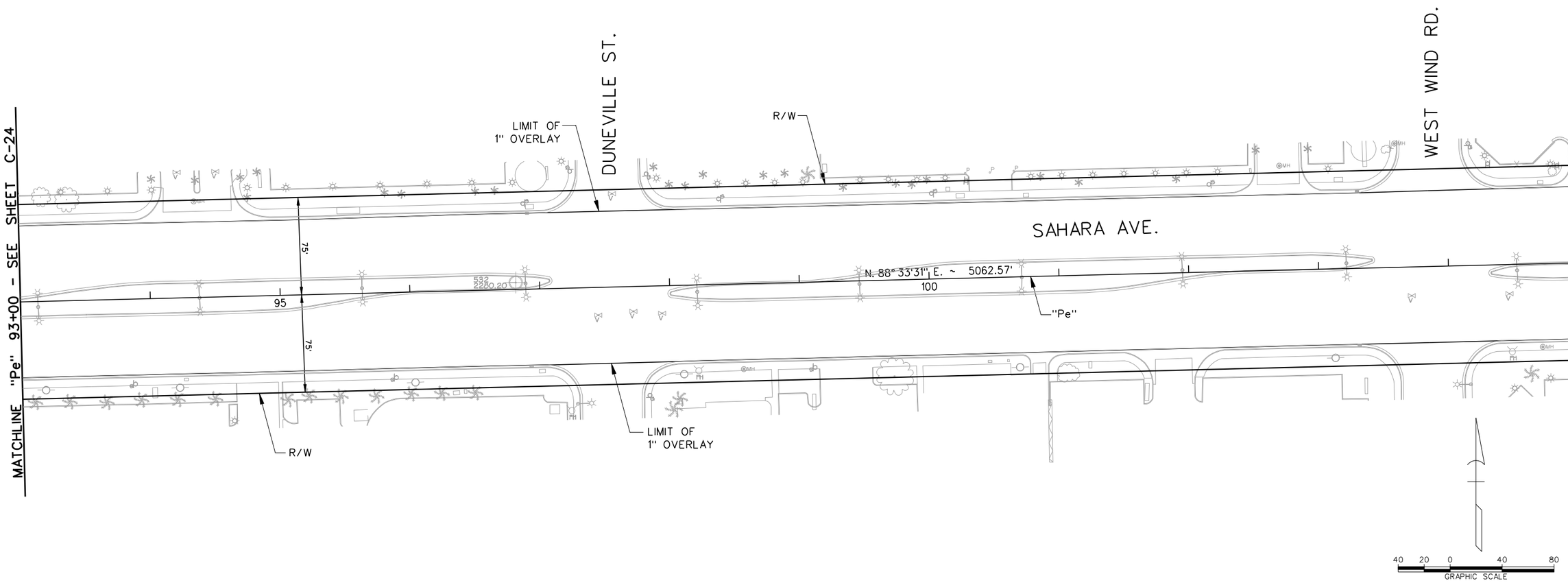
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. C-24

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012



AS - BUILT - 05.31.2012

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AVOID CUTTING UNDERGROUND UTILITY LINES. ITS COSTLY.
Call 811 OR 1-800-227-2600

FAST
Call before you UnderGround
1-702-432-5300
PRIMARY AND INTERNAL SYSTEMS OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. ITS COSTLY.
CALL BEFORE YOU DO OVERHEAD
1-702-227-2929

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

CONSTRUCTION PLAN

"Pe" 93+00 to "Pe" 105+00

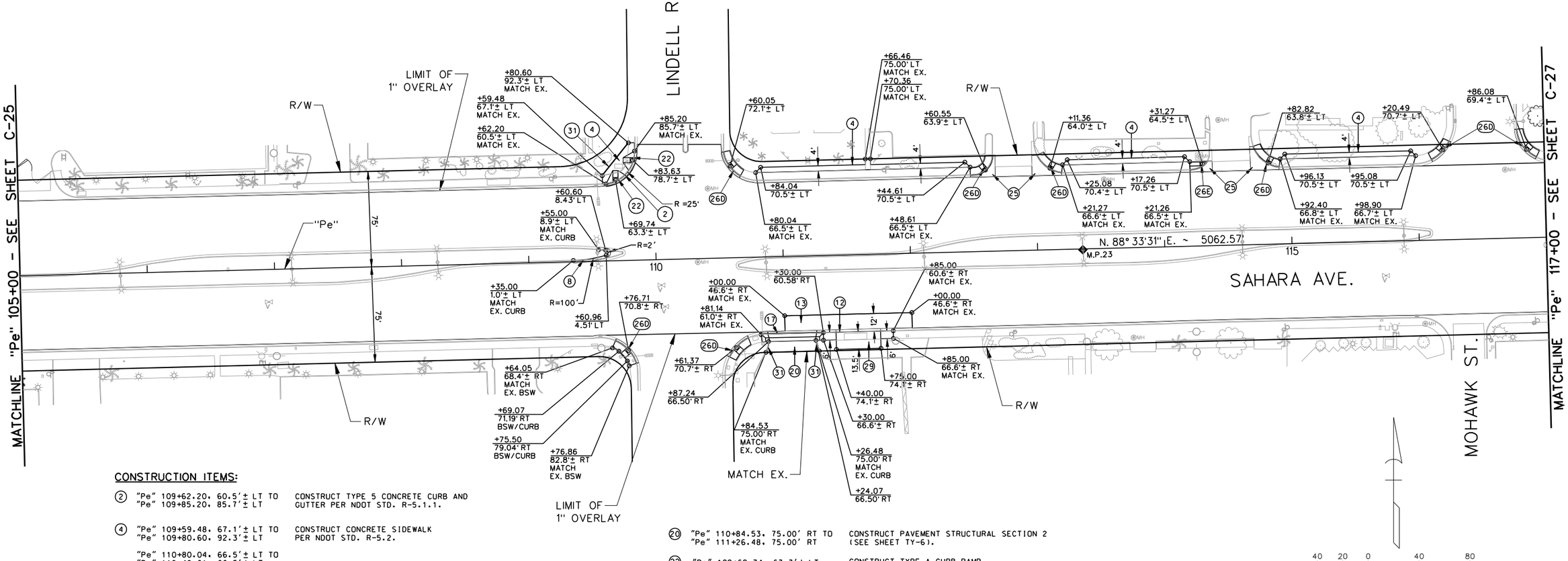
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: JX CHECKED BY: KK
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ : AS SHOWN
VERT : NONE
FIELD BOOK : NONE

SHEET No.
C-25



CONSTRUCTION ITEMS:

(2) "Pe" 109+62.20, 60.5'± LT TO "Pe" 109+85.20, 85.7'± LT — CONSTRUCT TYPE 5 CONCRETE CURB AND GUTTER PER NDOT STD. R-5.1.1.

(4) "Pe" 109+59.48, 67.1'± LT TO "Pe" 109+80.60, 92.3'± LT; "Pe" 110+80.04, 66.5'± LT TO "Pe" 112+48.61, 66.5'± LT; "Pe" 113+21.27, 66.6'± LT TO "Pe" 114+21.26, 66.5'± LT; "Pe" 114+92.40, 66.8'± LT TO "Pe" 115+98.90, 66.7'± LT — CONSTRUCT CONCRETE SIDEWALK PER NDOT STD. R-5.2.

(8) "Pe" 109+55.00, 8.9'± LT TO "Pe" 109+35.00, 1.0'± LT — CONSTRUCT TYPE 8 CONCRETE CURB AND GUTTER PER NDOT STD R-5.1.1.

(12) "Pe" 111+30.00, 60.58' RT TO "Pe" 111+85.00, 60.6'± RT — CONSTRUCT SPECIAL 10-INCH CONCRETE CURB AND GUTTER PER DETAIL "A" (SEE SHEET SD-2). TRANSITION ON BOTH ENDS TO MATCH EXISTING PER DETAIL "C" (SEE SHEET SD-3).

(13) "Pe" 111+00.00, 46.6'± RT TO "Pe" 112+00.00, 46.6'± RT — CONSTRUCT PCCP FOR BUS PLATFORM (SEE TYPICAL SECTIONS).

(17) "Pe" 110+81.14, 61.0'± RT TO "Pe" 111+30.00, 60.50'RT A=5.0' B=5.5' — CONSTRUCT SINGLE FAMILY DRIVEWAY PER DETAIL "I" (SEE SHEET SD-5) AND ASSOCIATED TYPE 5 CONCRETE CURB AND GUTTER PER NDOT STD R-5.1.1.

(20) "Pe" 110+84.53, 75.00' RT TO "Pe" 111+26.48, 75.00' RT — CONSTRUCT PAVEMENT STRUCTURAL SECTION 2 (SEE SHEET TY-6).

(22) "Pe" 109+69.74, 63.3'± LT A=7.0', B=5.5'; "Pe" 109+83.63, 78.7'± LT A=5.5', B=5.5' — CONSTRUCT TYPE A CURB RAMP PER NDOT STD. R-5.2.1.

(25) "Pe" 112+60.55, 63.9'± LT; "Pe" 113+11.36, 64.0'± LT; "Pe" 114+31.27, 64.5'± LT; "Pe" 114+82.82, 63.8'± LT — RECONSTRUCT CONCRETE CROSS GUTTER SPANDREL PER DETAIL "H" (SEE SHEET SD-4).

(26D) "Pe" 110+60.05, 72.1'± LT W=5.0', A = 8', B = 7'; "Pe" 112+60.55, 63.9'± LT A=7.0', B=7.0'; "Pe" 113+11.36, 64.0'± LT A=9.5', B=5.5'; "Pe" 114+82.82, 63.8'± LT A=12.0', B=5.0'; "Pe" 116+20.49, 70.7'± LT W=5.0', A=7.0', B=4.5'; "Pe" 116+86.08, 69.4'± LT W=5.0', A=12.0', B=5.5'; "Pe" 109+76.71, 70.8'± RT W=5.0', A = 7', B = 8'; "Pe" 110+61.37, 70.7'± RT W=5.0', A = 7', B = 5' — RECONSTRUCT TYPE D CURB RAMP PER NDOT STD. R-5.2.2.

(26E) "Pe" 114+31.27, 64.5'± LT W=3.0', B=10.0' — RECONSTRUCT TYPE E CURB RAMP PER NDOT STD. R-5.3.3.

(29) "Pe" 111+30.00, 66.58' RT TO "Pe" 111+40.00, 66.58' RT; "Pe" 111+40.00, 74.08' RT TO "Pe" 111+75.00, 74.08' RT; "Pe" 111+75.00, 66.58' RT TO "Pe" 111+85.00, 66.6'± RT — CONSTRUCT CONCRETE BUS SHELTER PAD PER USDCCA DWG. NO. 234.2. (SEE SHEET SD-15 FOR SHELTER CLASSIFICATION TABLE).

(31) "Pe" 109+59.48, 67.1'± LT TO "Pe" 109+80.60, 92.3'± LT; "Pe" 110+87.24, 66.50' RT TO "Pe" 110+84.53, 75.00' RT; "Pe" 111+24.07, 66.50' RT TO "Pe" 111+26.48, 75.00' RT — CONSTRUCT TYPE 2 CURB PER NDOT STD R-5.1.1.

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call 811 OR 1-800-227-2600
FAST Call before you UnderGround 1-702-432-5300 REGIONAL AND NATIONAL SYSTEM OF TRANSPORTATION
AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

CONSTRUCTION PLAN

"Pe" 105+00 to "Pe" 117+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: JX CHECKED BY: KK
APPROVED BY RJP

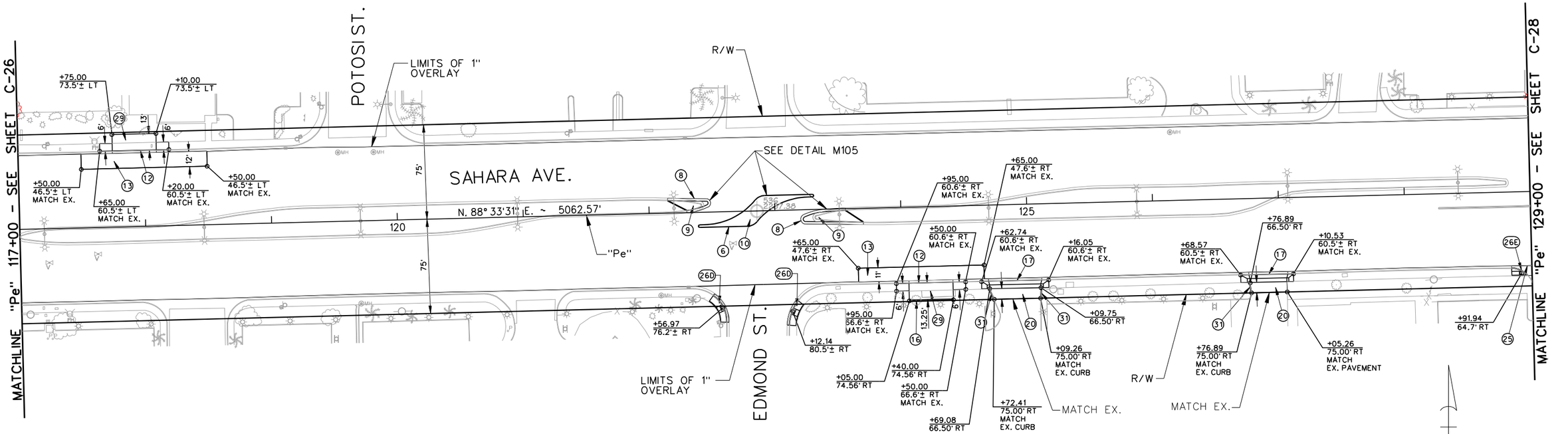
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. C-26

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012



CONSTRUCTION ITEMS:

⑥ "Pe" 122+40.00, 10.00' RT TO "Pe" 123+30.00, 12.00' LT TO "Pe" 123+30.00, 10.00' LT TO "Pe" 122+40.00, 12.00' RT TO "Pe" 122+40.00, 10.00' RT — CONSTRUCT TYPE B CONCRETE GLUE DOWN CURB PER NDOT STD. R-5.1.1.

⑧ "Pe" 122+15.00, 9.9'± LT TO "Pe" 122+45.65, 8.70' LT TO "Pe" 122+30.00, 1.7'± LT; "Pe" 123+56.00, 1.3'± RT TO "Pe" 123+23.56, 5.68' RT TO "Pe" 123+70.00, 11.0'± RT — CONSTRUCT TYPE 8 CONCRETE CURB AND GUTTER PER NDOT STD R-5.1.1.

⑨ "Pe" 122+15.00, 9.9'± LT TO "Pe" 122+47.06, 7.5'± LT; "Pe" 123+22.37, 7.9'± RT TO "Pe" 123+70.00, 11.0'± RT — CONSTRUCT 2-INCH PLANTMIX BITUMINOUS SURFACE ISLAND PAVING PER NDOT STD. R-5.2.3.

⑩ "Pe" 122+43.71, 11.00' RT TO "Pe" 123+26.30, 11.00' LT — CONSTRUCT 4-INCH P.C.C. ISLAND PAVING PER NDOT STD R-5.2.3.

⑫ "Pe" 117+65.00, 60.5'± LT TO "Pe" 118+20.00, 60.5'± LT; "Pe" 123+95.00, 60.6'± RT TO "Pe" 124+50.00, 60.6'± RT — CONSTRUCT SPECIAL 10-INCH CONCRETE CURB AND GUTTER PER DETAIL "A" (SEE SHEET SD-2). TRANSITION BOTH ENDS TO MATCH EXISTING PER DETAIL "C" (SEE SHEET SD-3).

⑬ "Pe" 117+50.00, 46.5'± LT TO "Pe" 118+50.00, 46.5'± LT; "Pe" 123+65.00, 47.6'± RT TO "Pe" 124+65.00, 47.6'± RT — CONSTRUCT PCCP FOR BUS PLATFORM (SEE TYPICAL SECTIONS).

⑯ "Pe" 124+05.00, 74.56' RT TO "Pe" 124+40.00, 74.56' RT — CONSTRUCT RETAINING WALL (H=2') PER DETAIL "L" (SEE SHEET SD-7)

⑰ "Pe" 124+62.74, 60.6'± RT TO "Pe" 125+16.05, 60.6'± RT A=5.5' B=5.5'; "Pe" 126+68.57, 60.5'± RT TO "Pe" 127+10.53, 60.5'± RT A=4.5' B=6.5' — CONSTRUCT SINGLE FAMILY DRIVEWAY PER DETAIL "I" (SEE SHEET SD-5) AND ASSOCIATED TYPE 5 CONCRETE CURB AND GUTTER PER NDOT STD R-5.1.1.

⑳ "Pe" 124+72.41, 75.00' RT TO "Pe" 125+09.26, 75.00' RT; "Pe" 126+76.89, 75.00' RT TO "Pe" 127+05.26, 75.00' RT — CONSTRUCT PAVEMENT STRUCTURAL SECTION 2 (SEE SHEET TY-6).

㉕ "Pe" 128+91.94, 64.7'± RT — RECONSTRUCT CONCRETE CROSS GUTTER SPANDREL PER DETAIL "H". (SEE SHEET SD-4).

㉖D "Pe" 122+56.97, 76.2'± RT W=5.0', A=7.0', B=7.0'; "Pe" 123+12.14, 80.5'± RT W=5.0', A=5.5', B=7.0' — RECONSTRUCT TYPE D CURB RAMP PER NDOT STD. R-5.2.2.

㉖E "Pe" 128+91.94, 64.7'± RT W=3.0', B = 8.0' — RECONSTRUCT TYPE E CURB RAMP PER NDOT STD. R-5.3.3.

㉙ "Pe" 117+65.00, 66.5'± LT TO "Pe" 117+75.00, 66.46' LT; "Pe" 117+75.00, 73.46' LT TO "Pe" 118+10.00, 73.46' LT; "Pe" 118+10.00, 66.46' LT TO "Pe" 118+20.00, 66.5'± LT; "Pe" 123+95.00, 66.6'± RT TO "Pe" 124+05.00, 66.56' RT; "Pe" 124+05.00, 73.81' RT TO "Pe" 124+40.00, 73.81' RT; "Pe" 124+40.00, 66.56' RT TO "Pe" 124+50.00, 66.6'± RT — CONSTRUCT CONCRETE BUS SHELTER PAD PER USDCCA DWG. NO. 234.2. SEE SHEET SD-15 FOR SHELTER CLASSIFICATION TABLE.

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

㉛ "Pe" 124+69.08, 66.50' RT TO "Pe" 124+72.41, 75.00' RT; "Pe" 125+09.75, 66.50' RT TO "Pe" 125+09.26, 75.00' RT; "Pe" 126+75.89, 66.50' RT TO "Pe" 126+76.89, 75.00' RT — CONSTRUCT TYPE 2 CURB PER NDOT STD R-5.1.1.

NOTE:

1. FOR MEDIAN ISLAND GEOMETRICS NOT SHOWN, SEE SD-SHEETS.

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call 811 or 1-800-227-2600
FAST Call before you UnderGround 1-702-432-5300 FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION
AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

CONSTRUCTION PLAN

"Pe" 117+00 to "Pe" 129+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: JPL CHECKED BY: KK
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

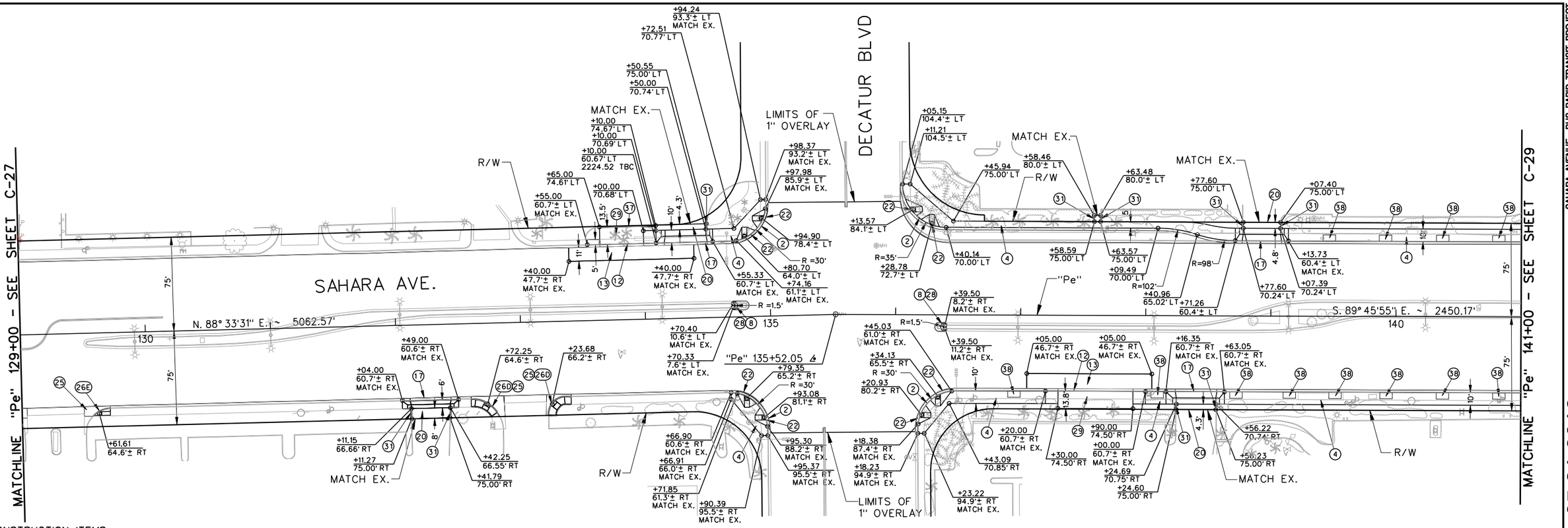
SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. C-27

Sheet 101 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012



CONSTRUCTION ITEMS:

(2) "Pe" 134+74.16, 61.1'± LT TO "Pe" 134+97.98, 85.9'± LT
"Pe" 136+05.15, 104.4'± LT TO "Pe" 139+71.26, 60.4'± LT
"Pe" 134+71.85, 61.3'± RT TO "Pe" 134+95.30, 88.2'± RT
"Pe" 136+18.38, 87.4'± RT TO "Pe" 136+45.03, 61.0'± RT
CONSTRUCT TYPE 5 CONCRETE CURB AND GUTTER PER NDOT STD. R-5.1.1.

(4) "Pe" 134+55.33, 60.7'± LT TO "Pe" 134+98.37, 93.2'± LT
"Pe" 136+05.15, 104.4'± LT TO "Pe" 138+71.26, 60.4'± LT
"Pe" 139+13.73, 60.4'± LT TO "Pe" 141+00.00, 60.4'± LT
"Pe" 134+66.90, 60.6'± RT TO "Pe" 134+95.37, 95.5'± RT
"Pe" 136+18.23, 94.9'± RT TO "Pe" 137+20.00, 60.7'± RT
"Pe" 138+00.00, 60.7'± RT TO "Pe" 138+16.35, 60.7'± RT
"Pe" 138+63.05, 60.7'± RT TO "Pe" 141+00.00, 60.7'± RT
CONSTRUCT CONCRETE SIDEWALK PER NDOT STD. R-5.2.

(8) "Pe" 134+70.40, 10.6'± LT TO "Pe" 134+70.33, 7.6'± LT
"Pe" 136+39.50, 8.2'± RT TO "Pe" 136+39.50, 11.2'± RT
CONSTRUCT TYPE 8 CONCRETE CURB AND GUTTER PER NDOT STD. R-5.1.1.

(12) "Pe" 133+55.00, 60.7'± LT TO "Pe" 134+10.00, 60.67' LT
"Pe" 137+20.00, 60.7'± RT TO "Pe" 138+00.00, 60.7'± RT
CONSTRUCT SPECIAL 10-INCH CONCRETE CURB AND GUTTER PER DETAIL "A" (SEE SHEET SD-2). TRANSITION BOTH ENDS TO MATCH EX. PER DETAIL "C" (SEE SHEET SD-3).

(13) "Pe" 133+40.00, 47.7'± LT TO "Pe" 134+40.00, 47.7'± LT
"Pe" 137+05.00, 46.7'± RT TO "Pe" 138+05.00, 46.7'± RT

(17) "Pe" 134+10.00, 60.67' LT TO "Pe" 134+55.33, 60.7'± LT
"Pe" 138+71.26, 60.4'± LT TO "Pe" 139+13.73, 60.4'± LT
"Pe" 138+16.35, 60.7'± RT TO "Pe" 138+63.05, 60.7'± RT
"Pe" 132+04.00, 60.7'± RT TO "Pe" 132+49.00, 60.6'± RT
CONSTRUCT SINGLE FAMILY DRIVEWAY PER DETAIL "I" AND CONSTRUCT ASSOCIATED TYPE 5 CONCRETE CURB AND GUTTER PER NDOT STD. R-5.1.1.

(20) "Pe" 134+10.00, 70.68' LT TO "Pe" 134+50.00, 70.74' LT
"Pe" 138+77.60, 70.24' LT TO "Pe" 139+07.39, 70.24' LT
"Pe" 132+11.15, 66.66' RT TO "Pe" 132+42.25, 66.55' RT
"Pe" 138+24.69, 70.75' RT TO "Pe" 138+56.22, 70.74' RT
CONSTRUCT PAVEMENT STRUCTURAL SECTION 2 (SEE SHEET TY-6).

(22) "Pe" 134+80.70, 64.0'± LT
A=4.5', B=7.5'
"Pe" 134+94.90, 78.4'± LT
A=4.5', B=7.5'
"Pe" 136+13.57, 84.1'± LT
A=4.5', B=7.5'
"Pe" 136+28.78, 72.7'± LT
A=4.5', B=7.5'
"Pe" 134+79.35, 65.2'± RT
A=4.5', B=7.5'
"Pe" 134+93.08, 81.1'± RT
A=4.5', B=7.5'
"Pe" 136+20.93, 80.2'± RT
A=4.5', B=7.5'
"Pe" 136+34.13, 65.5'± RT
A=4.5', B=7.5'
CONSTRUCT TYPE A CURB RAMP PER NDOT STD. R-5.2.1.

(25) "Pe" 129+61.61, 64.60' RT
"Pe" 132+72.25, 64.64' RT
"Pe" 133+23.68, 66.23' RT
RECONSTRUCT CROSS GUTTER SPANDREL PER DETAIL "H" (SEE SHEET SD-4).

(26D) "Pe" 132+72.25, 64.6'± RT
A= 8.0', B= 8.0'
"Pe" 133+23.68, 66.2'± RT
A= 8.0', B= 8.0'
RECONSTRUCT TYPE D CURB RAMP PER NDOT STD. R-5.2.2.

(26E) "Pe" 129+61.61, 64.6'± RT
A= 8.0'
RECONSTRUCT TYPE E CURB RAMP PER NDOT STD. R-5.3.3.

(28) "Pe" 134+70.33, 5.61' LT TO "Pe" 134+83.00, 9.16' LT
"Pe" 136+31.37, 9.43' RT TO "Pe" 136+39.50, 13.22' RT
CONSTRUCT PAVEMENT STRUCTURAL SECTION 1 (SEE SHEET TY-6).

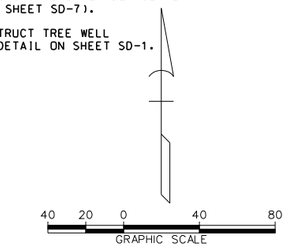
(29) "Pe" 133+55.00, 60.7'± LT TO "Pe" 134+10.00, 60.67' LT
"Pe" 137+20.00, 60.7'± RT TO "Pe" 138+00.00, 60.7'± RT
CONSTRUCT CONCRETE BUS SHELTER PAD PER USDOCA DWG. NO. 234.2. SEE SHEET SD-14 FOR SHELTER CLASSIFICATION TABLE.

(31) "Pe" 134+50.00, 70.74' LT TO "Pe" 134+50.55, 75.00' LT
"Pe" 137+58.59, 75.00' LT TO "Pe" 137+58.46, 80.0'± LT
"Pe" 137+63.57, 75.00' LT TO "Pe" 137+63.48, 80.00' LT
"Pe" 138+77.60, 70.24' LT TO "Pe" 138+77.60, 75.00' LT
CONSTRUCT TYPE 2 CONCRETE CURB PER NDOT STD. R-5.1.1.

(31) "Pe" 132+42.25, 66.55' RT TO "Pe" 132+41.79, 75.00' RT
"Pe" 138+24.69, 70.75' RT TO "Pe" 138+24.60, 75.00' RT
"Pe" 138+56.22, 70.74' RT TO "Pe" 138+56.22, 75.00' RT
"Pe" 139+07.39, 70.24' LT TO "Pe" 139+07.40, 75.00' LT
"Pe" 132+11.15, 66.66' RT TO "Pe" 132+11.27, 75.00' RT
CONSTRUCT TYPE 2 CONCRETE CURB PER NDOT STD. R-5.1.1.

(37) "Pe" 133+65.00, 74.61' LT TO "Pe" 134+10.00, 74.67' LT TO "Pe" 134+10.00, 70.69' LT
CONSTRUCT SPECIAL SIDEWALK RETAINING CURB PER DETAIL "L1" (SEE SHEET SD-7).

(38) CONSTRUCT TREE WELL PER DETAIL ON SHEET SD-1.
"Pe" 139+46, 60.4± LT
"Pe" 139+91, 60.4± LT
"Pe" 140+37, 60.4± LT
"Pe" 140+82, 60.4± LT
"Pe" 136+95, 60.8± RT
"Pe" 138+09, 60.8± RT
"Pe" 138+72, 60.8± RT
"Pe" 139+15, 60.8± RT
"Pe" 139+51, 60.8± RT
"Pe" 139+92, 60.8± RT
"Pe" 140+38, 60.8± RT
"Pe" 140+83, 60.8± RT



AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY.
Call 811 or 1-800-227-2600
FAST
Call before you UnderGround
1-702-432-5300
FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION
AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY.
CALL BEFORE YOU DO OVERHEAD
1-702-227-2929

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

CONSTRUCTION PLAN

"Pe" 129+00 to "Pe" 141+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: JPL CHECKED BY: KK
APPROVED BY RJP

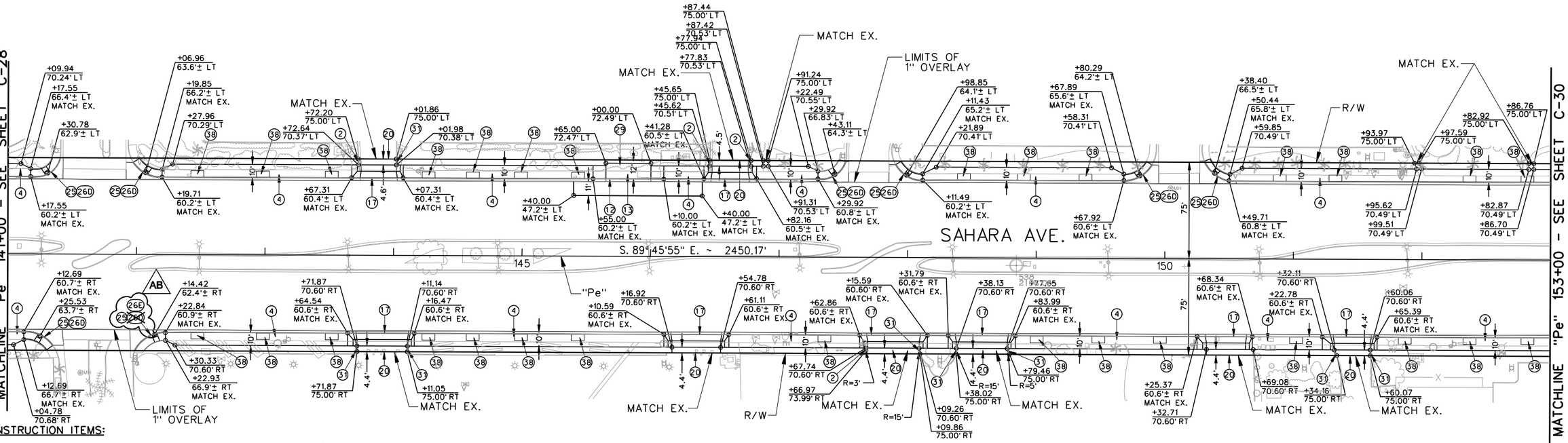
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. C-28

AS - BUILT - 05.31.2012

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT



CONSTRUCTION ITEMS:

(2) "Pe" 143+72.64. 70.37' LT TO "Pe" 143+72.20. 75.00' LT — CONSTRUCT CURB AND GUTTER TYPE 5 PER NDOT STD. R-5.1.1.
"Pe" 146+45.62. 70.51' LT TO "Pe" 146+45.65. 75.00' LT
"Pe" 146+77.83. 70.53' LT TO "Pe" 146+77.94. 75.00' LT
"Pe" 147+66.97. 73.99' RT TO "Pe" 147+67.74. 70.60' RT

(4) "Pe" 141+00.00. 60.4'± LT TO "Pe" 141+17.55. 60.2'± LT — CONSTRUCT CONCRETE SIDEWALK PER NDOT STD. R-5.2.
"Pe" 142+19.71. 60.2'± LT TO "Pe" 143+67.31. 60.4'± LT
"Pe" 144+07.31. 60.4'± LT TO "Pe" 146+55.00. 60.2'± LT
"Pe" 146+10.00. 60.2'± LT TO "Pe" 146+41.28. 60.5'± LT
"Pe" 146+82.16. 60.5'± LT TO "Pe" 147+29.92. 60.8'± LT
"Pe" 148+11.49. 60.2'± LT TO "Pe" 149+67.92. 60.6'± LT
"Pe" 150+49.71. 60.8'± LT TO "Pe" 153+00.00. 60.5'± LT
"Pe" 141+00.00. 60.7'± RT TO "Pe" 141+12.69. 60.7'± RT
"Pe" 142+22.84. 60.9'± RT TO "Pe" 143+64.54. 60.6'± RT
"Pe" 144+16.47. 60.6'± RT TO "Pe" 146+10.59. 60.6'± RT

(4) "Pe" 146+61.11. 60.6'± RT TO "Pe" 147+62.86. 60.6'± RT — CONSTRUCT CONCRETE SIDEWALK PER NDOT STD. R-5.2.
"Pe" 148+15.59. 60.6'± RT TO "Pe" 148+31.79. 60.6'± RT
"Pe" 148+83.99. 60.6'± RT TO "Pe" 150+25.37. 60.6'± RT
"Pe" 150+74.41. 60.6'± RT TO "Pe" 151+22.78. 60.6'± RT
"Pe" 151+65.39. 60.6'± RT TO "Pe" 153+00.00. 60.6'± RT

(12) "Pe" 145+55.00. 60.2'± LT TO "Pe" 146+10.00. 60.2'± LT — CONSTRUCT SPECIAL 10-INCH CONCRETE CURB AND GUTTER PER DETAIL "A" (SEE SHEET SD-2). TRANSITION BOTH ENDS TO MATCH EXISTING PER DETAIL "C" (SEE SHEET SD-3).

(13) "Pe" 145+40.00. 47.2'± LT TO "Pe" 146+40.00. 47.2'± LT — CONSTRUCT PCCP FOR BUS PLATFORM (SEE TYPICAL SECTIONS).

(17) "Pe" 143+67.31. 60.4'± LT TO "Pe" 144+07.31. 60.4'± LT — CONSTRUCT SINGLE FAMILY DRIVEWAY PER DETAIL "I" (SEE SHEET SD-5) AND CONSTRUCT ASSOCIATED TYPE 5 CONCRETE CURB AND GUTTER PER NDOT STD. R-5.1.1.
"Pe" 146+41.28. 60.5'± LT TO "Pe" 146+82.16. 60.5'± LT
"Pe" 143+64.54. 60.6'± RT TO "Pe" 144+16.47. 60.6'± RT
"Pe" 146+10.59. 60.6'± RT TO "Pe" 146+61.11. 60.6'± RT
"Pe" 147+62.86. 60.6'± RT TO "Pe" 148+15.59. 60.6'± RT
"Pe" 148+31.79. 60.6'± RT TO "Pe" 148+83.99. 60.6'± RT
"Pe" 150+25.37. 60.6'± RT TO "Pe" 150+68.34. 60.6'± RT
"Pe" 151+22.78. 60.6'± RT TO "Pe" 151+65.39. 60.6'± RT

(20) "Pe" 143+72.64. 70.37' LT TO "Pe" 144+01.98. 70.38' LT — CONSTRUCT PAVEMENT STRUCTURAL SECTION 2 (SEE SHEET TY-6).
"Pe" 143+71.87. 70.60' RT TO "Pe" 144+11.14. 70.60' RT
"Pe" 146+16.92. 70.60' RT TO "Pe" 146+54.78. 70.60' RT
"Pe" 146+45.62. 70.51' RT TO "Pe" 146+77.83. 70.53' RT
"Pe" 147+67.74. 70.60' RT TO "Pe" 148+09.26. 70.60' RT
"Pe" 148+38.13. 70.60' RT TO "Pe" 148+77.65. 70.60' RT
"Pe" 150+32.71. 70.60' RT TO "Pe" 150+69.08. 70.60' RT
"Pe" 151+32.11. 70.60' RT TO "Pe" 151+60.06. 70.60' RT

(25) "Pe" 141+30.78. 62.94' LT
"Pe" 142+06.96. 63.55' LT
"Pe" 147+43.11. 64.31' LT
"Pe" 147+98.85. 64.06' LT
"Pe" 149+80.29. 64.23' LT
"Pe" 150+38.40. 66.50' LT
"Pe" 141+25.53. 63.66' RT
"Pe" 142+14.42. 62.37' RT
— RECONSTRUCT CROSS GUTTER SPANDREL PER DETAIL "H" (SEE SHEET SD-4).

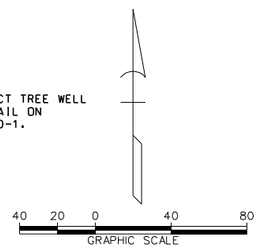
(260) "Pe" 141+30.78. 62.9'± LT A=8.0', B=8.0' — RECONSTRUCT TYPE D CURB RAMP PER NDOT STD. R-5.2.2.
"Pe" 142+06.96. 63.6'± LT A=8.0', B=8.0'
"Pe" 147+43.11. 64.3'± LT A=8.0', B=8.0'
"Pe" 147+98.85. 64.1'± LT A=8.0', B=8.0'
"Pe" 149+80.29. 64.2'± LT A=8.0', B=8.0'
"Pe" 150+38.40. 66.5'± LT A=8.0', B=8.0'
"Pe" 141+25.53. 63.7'± RT A=8.0', B=8.0'

AB (26E) "Pe" 142+14.42. 62.4'± RT A=8.0' — RECONSTRUCT TYPE E CURB RAMP PER NDOT STD. R-5.3.3.

(29) "Pe" 145+55.00. 60.2'± LT TO "Pe" 146+10.00. 60.2'± LT — CONSTRUCT CONCRETE BUS SHELTER PAD PER USDCCA DWG. NO. 234.2. SEE SHEET SD-14 FOR SHELTER CLASSIFICATION TABLE.

(31) "Pe" 144+01.98. 70.38' LT TO "Pe" 144+01.86. 75.00' LT — CONSTRUCT TYPE 2 CURB PER NDOT STD R-5.1.1.
"Pe" 143+71.87. 70.60' RT TO "Pe" 143+71.87. 75.00' RT
"Pe" 144+11.14. 70.60' RT TO "Pe" 144+11.05. 75.00' RT
"Pe" 148+09.26. 70.60' RT TO "Pe" 148+09.86. 75.00' RT
"Pe" 148+38.13. 70.60' RT TO "Pe" 148+38.02. 75.00' RT
"Pe" 148+77.66. 70.60' RT TO "Pe" 148+79.46. 75.00' RT
"Pe" 151+32.11. 70.60' RT TO "Pe" 151+34.16. 75.00' RT
"Pe" 151+60.06. 70.60' RT TO "Pe" 151+60.07. 75.00' RT

(38) "Pe" 142+47. 60.2± LT
"Pe" 142+98. 60.2± LT
"Pe" 143+51. 60.2± LT
"Pe" 144+27. 60.2± LT
"Pe" 144+62. 60.2± LT
"Pe" 144+99. 60.2± LT
"Pe" 145+43. 60.2± LT
"Pe" 148+44. 60.2± LT
"Pe" 148+90. 60.2± LT
"Pe" 149+38. 60.2± LT
"Pe" 150+89. 60.8± LT
"Pe" 151+33. 60.8± LT
"Pe" 152+37. 60.8± LT
"Pe" 152+82. 60.8± LT
"Pe" 142+48. 60.6± RT
"Pe" 142+99. 60.6± RT
"Pe" 143+52. 60.6± RT
"Pe" 144+27. 60.6± RT
"Pe" 144+62. 60.6± RT
"Pe" 145+00. 60.6± RT
"Pe" 145+44. 60.6± RT
"Pe" 147+35. 60.6± RT
"Pe" 149+00. 60.6± RT
"Pe" 149+49. 60.6± RT
"Pe" 149+97. 60.6± RT
"Pe" 151+02. 60.6± RT
"Pe" 151+87. 60.6± RT
"Pe" 152+37. 60.6± RT
"Pe" 152+82. 60.6± RT
— CONSTRUCT TREE WELL PER DETAIL ON SHEET SD-1.



AS-BUILT
Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY.
Call 811 or 1-800-227-2600
FAST
Call before you UnderGround 1-702-432-5300
FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION
AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY.
CALL BEFORE YOU DIG OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
CONSTRUCTION PLAN
"Pe" 141+00 to "Pe" 153+00
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

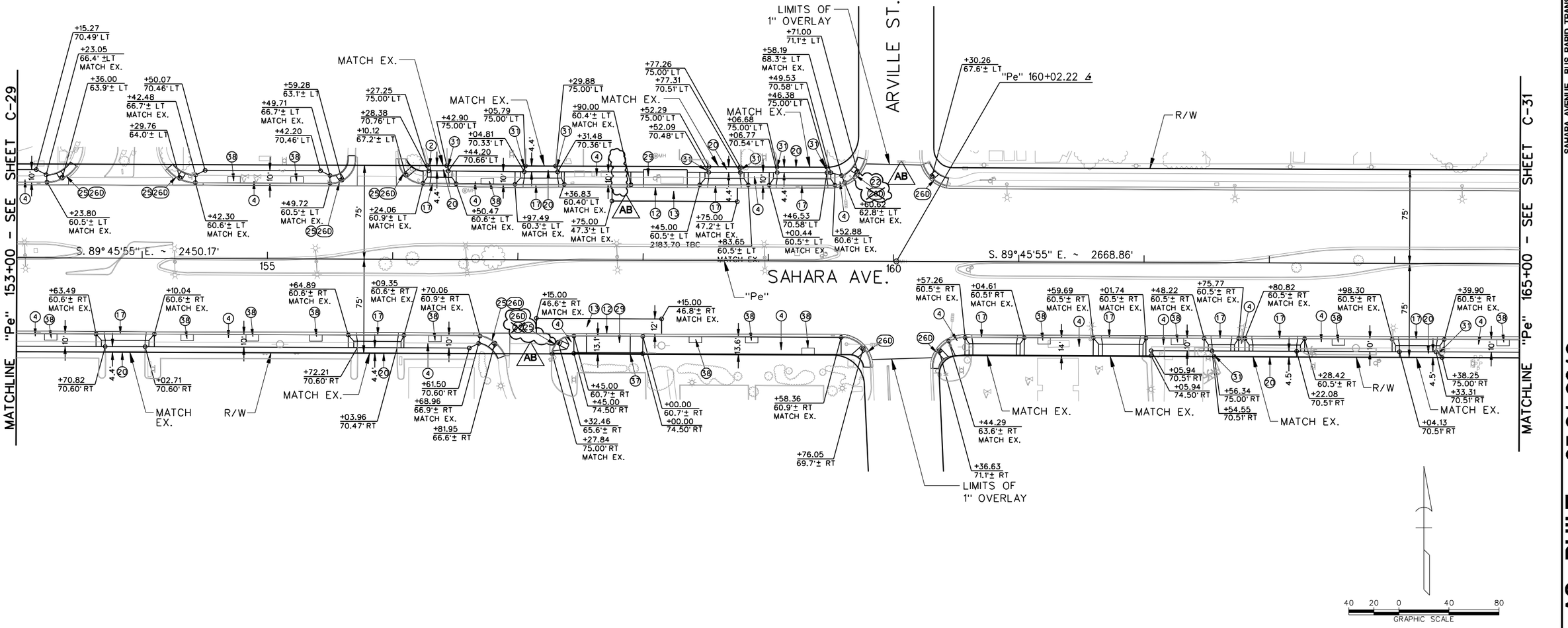
PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: JPL CHECKED BY: KK
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. C-29
Sheet 103 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT
AS - BUILT - 05.31.2012



AS - BUILT - 05.31.2012

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

NOTE:

1. FOR CONSTRUCTION ITEMS SEE SHEET C-30A.

Call 811 or 1-800-227-2600

FAST Call before you UnderGround 1-702-432-5300

CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

CONSTRUCTION PLAN

"Pe" 153+00 to "Pe" 165+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: JPL CHECKED BY: KK
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. C-30

CONSTRUCTION ITEMS:

(2)	"Pe" 156+27.25, 75.00' LT TO "Pe" 156+28.38, 70.76' LT	CONSTRUCT TYPE 5 CONCRETE CURB AND GUTTER PER NDOT STD. R-5.1.1.
(4)	"Pe" 153+00.00, 60.5'± LT TO "Pe" 153+23.80, 60.5'± LT	CONSTRUCT CONCRETE SIDEWALK PER NDOT STD. R-5.2.
	"Pe" 154+42.30, 60.6'± LT TO "Pe" 155+49.72, 60.5'± LT	
	"Pe" 156+50.47, 60.6'± LT TO "Pe" 156+97.49, 60.3'± LT	
	"Pe" 157+36.83, 60.4'± LT TO "Pe" 157+90.00, 60.4'± LT	
	"Pe" 158+83.65, 60.5'± LT TO "Pe" 159+00.44, 60.5'± LT	
	"Pe" 159+52.88, 60.6'± LT TO "Pe" 159+60.62, 62.8'± LT	
	"Pe" 153+00.00, 60.6'± RT TO "Pe" 153+63.49, 60.6'± RT	
	"Pe" 154+10.04, 60.6'± RT TO "Pe" 155+64.89, 60.6'± RT	
	"Pe" 156+09.35, 60.6'± RT TO "Pe" 156+70.06, 60.9'± RT	
	"Pe" 157+27.84, 75.00' RT TO "Pe" 157+45.00, 60.7'± RT	
	"Pe" 158+00.00, 60.7'± RT TO "Pe" 159+58.36, 60.9'± RT	
	"Pe" 160+44.29, 63.6'± RT TO "Pe" 160+57.26, 60.5'± RT	
	"Pe" 161+04.61, 60.5'± RT TO "Pe" 161+59.69, 60.5'± RT	
	"Pe" 162+01.74, 60.5'± RT TO "Pe" 162+48.22, 60.5'± RT	
	"Pe" 162+75.77, 60.5'± RT TO "Pe" 162+80.82, 60.5'± RT	
	"Pe" 163+28.42, 60.5'± RT TO "Pe" 163+98.30, 60.5'± RT	
	"Pe" 164+39.90, 60.5'± RT TO "Pe" 165+00.00, 60.5'± RT	
(12)	"Pe" 157+90.00, 60.4'± LT TO "Pe" 158+45.00, 60.5'± LT	CONSTRUCT SPECIAL 10-INCH CONCRETE CURB AND GUTTER PER DETAIL "A" (SEE SHEET SD-2). TRANSITION BOTH ENDS TO MATCH EXISTING PER DETAIL "C" (SEE SHEET SD-3).
	"Pe" 157+45.00, 60.7'± RT TO "Pe" 158+00.00, 60.7'± RT	
(13)	"Pe" 157+75.00, 47.3'± LT TO "Pe" 158+75.00, 47.2'± LT	CONSTRUCT PCCP FOR BUS PLATFORM (SEE TYPICAL SECTIONS).
	"Pe" 157+15.00, 46.6'± RT TO "Pe" 158+15.00, 46.8'± RT	
(17)	"SA" 156+24.06, 60.9'± LT TO "SA" 156+50.47, 60.6'± LT	CONSTRUCT SINGLE FAMILY DRIVEWAY PER DETAIL "I" (SEE SHEET SD-5) AND CONSTRUCT ASSOCIATED CONCRETE TYPE 5 CURB AND GUTTER PER NDOT STD. R-5.1.1.
	"SA" 156+97.49, 60.3'± LT TO "SA" 157+36.83, 60.4'± LT	
	"SA" 158+45.00, 60.5'± LT TO "SA" 158+83.65, 60.5'± LT	
	"SA" 159+00.44, 60.5'± LT TO "SA" 159+52.88, 60.6'± LT	
	"SA" 153+63.49, 60.6'± RT TO "SA" 154+10.04, 60.6'± RT	
	"SA" 155+64.89, 60.6'± RT TO "SA" 156+09.35, 60.6'± RT	
	"SA" 160+57.26, 60.5'± RT TO "SA" 161+04.61, 60.5'± RT	
	"SA" 161+59.69, 60.5'± RT TO "SA" 162+01.74, 60.5'± RT	
	"SA" 162+48.22, 60.5'± RT TO "SA" 162+75.77, 60.5'± RT	
	"SA" 162+80.82, 60.5'± RT TO "SA" 163+28.42, 60.5'± RT	
	"SA" 163+98.30, 60.5'± RT TO "SA" 164+39.90, 60.5'± RT	
(20)	"Pe" 156+28.38, 70.76' LT TO "Pe" 156+44.20, 70.66' LT	CONSTRUCT PAVEMENT STRUCTURAL SECTION 2 (SEE SHEET TY-6).
	"Pe" 157+04.81, 70.33' LT TO "Pe" 157+31.48, 70.36' LT	
	"Pe" 158+52.09, 70.48' LT TO "Pe" 158+77.31, 70.51' LT	
	"Pe" 159+06.77, 70.54' LT TO "Pe" 159+46.53, 70.58' LT	
	"Pe" 153+70.82, 70.60' RT TO "Pe" 154+02.71, 70.60' RT	
	"Pe" 155+72.21, 70.60' RT TO "Pe" 156+03.96, 70.47' RT	
	"Pe" 162+54.55, 70.51' RT TO "Pe" 163+22.08, 70.51' RT	
AB	"Pe" 164+04.13, 70.51' RT TO "Pe" 164+33.31, 70.51' RT	
AB (22)	~~"Pe" 157+32.46, 65.6'± RT A=6.5', B=4.5',~~ "Pe" 159+71.00, 71.1'± LT A=8.0', B=8.0'	CONSTRUCT TYPE A CURB RAMP PER NDOT STD. R-5.2.1.
(25)	"Pe" 153+36.00, 63.85' LT "Pe" 154+29.76, 63.99' LT "Pe" 155+59.28, 63.10' LT "Pe" 156+10.12, 67.23' LT "Pe" 156+81.95, 66.62' RT "Pe" 157+32.46, 65.58' RT	RECONSTRUCT CROSS GUTTER SPANDREL PER DETAIL "H" (SEE SHEET SD-4).
(260)	"Pe" 153+36.00, 63.9'± LT A=8.0', B=8.0'	RECONSTRUCT TYPE D CURB RAMP PER NDOT STD. R-5.2.2.
	"Pe" 154+29.76, 64.0'± LT A=8.0', B=8.0'	
	"Pe" 155+59.28, 63.1'± LT A=15.0', B=4.5'	
	"Pe" 156+10.12, 67.2'± LT A=8.0', B=8.0'	
AB	"Pe" 159+71.00, 71.1'± LT A=8.0', B=8.0'	
	"Pe" 157+32.46, 65.6'± RT A=6.5', B=4.5'	
	"Pe" 160+30.26, 67.6'± LT A=8.0', B=8.0'	
	"Pe" 156+81.95, 66.6'± RT A=8.0', B=8.0'	
	"Pe" 159+76.05, 69.7'± RT A=8.0', B=8.0'	
	"Pe" 160+36.63, 71.1'± RT A=8.0', B=5.5'	
(29)	"Pe" 157+90.00, 60.4'± LT TO "Pe" 158+45.00, 60.5'± LT	CONSTRUCT CONCRETE BUS SHELTER PAD PER USDCCA DWG. NO. 234.2. SEE SHEET SD-14 FOR SHELTER CLASSIFICATION TABLE.
	"Pe" 157+45.00, 60.7'± RT TO "Pe" 158+00.00, 60.7'± RT	
(31)	"Pe" 156+44.20, 70.66' LT TO "Pe" 156+42.90, 75.00' LT	CONSTRUCT TYPE 2 CURB PER NDOT STD. R-5.1.1.
	"Pe" 157+04.81, 70.33' LT TO "Pe" 157+05.79, 75.00' LT	
	"Pe" 157+31.48, 70.36' LT TO "Pe" 157+29.88, 75.00' LT	
	"Pe" 158+52.09, 70.48' LT TO "Pe" 158+52.29, 75.00' LT	
	"Pe" 158+77.31, 70.51' LT TO "Pe" 158+77.26, 75.00' LT	
	"Pe" 159+06.77, 70.54' LT TO "Pe" 159+06.68, 75.00' LT	
	"Pe" 159+46.53, 70.58' LT TO "Pe" 159+46.38, 75.00' LT	
	"Pe" 162+54.55, 70.51' RT TO "Pe" 162+56.34, 75.00' RT	
	"Pe" 164+33.31, 70.51' RT TO "Pe" 164+38.25, 75.00' RT	
(37)	"Pe" 157+45.00, 74.50' RT TO "Pe" 158+00.00, 74.50' RT	CONSTRUCT SPECIAL SIDEWALK RETAINING CURB PER DETAIL "L1" (SEE SHEET SD-7).
(38)	"Pe" 154+73, 60.5± LT "Pe" 155+23, 60.5± LT "Pe" 156+75, 60.4± LT "Pe" 157+80, 60.4± LT "Pe" 153+27, 60.6± RT "Pe" 154+36, 60.6± RT "Pe" 154+88, 60.6± RT "Pe" 155+39, 60.6± RT "Pe" 156+34, 60.6± RT "Pe" 158+42, 60.7± RT "Pe" 158+88, 60.7± RT "Pe" 159+32, 69.5± RT "Pe" 161+20, 60.5± RT "Pe" 162+27, 60.5± RT "Pe" 163+55, 60.5± RT "Pe" 164+87, 60.5± RT	CONSTRUCT TREE WELL PER DETAIL ON SHEET SD-1.

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

NOTE:

1. FOR CONSTRUCTION PLAN SEE SHEET C-30.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

CONSTRUCTION ITEMS

"Pe" 153+00 to "Pe" 165+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: JPL CHECKED BY: KK
APPROVED BY RJP

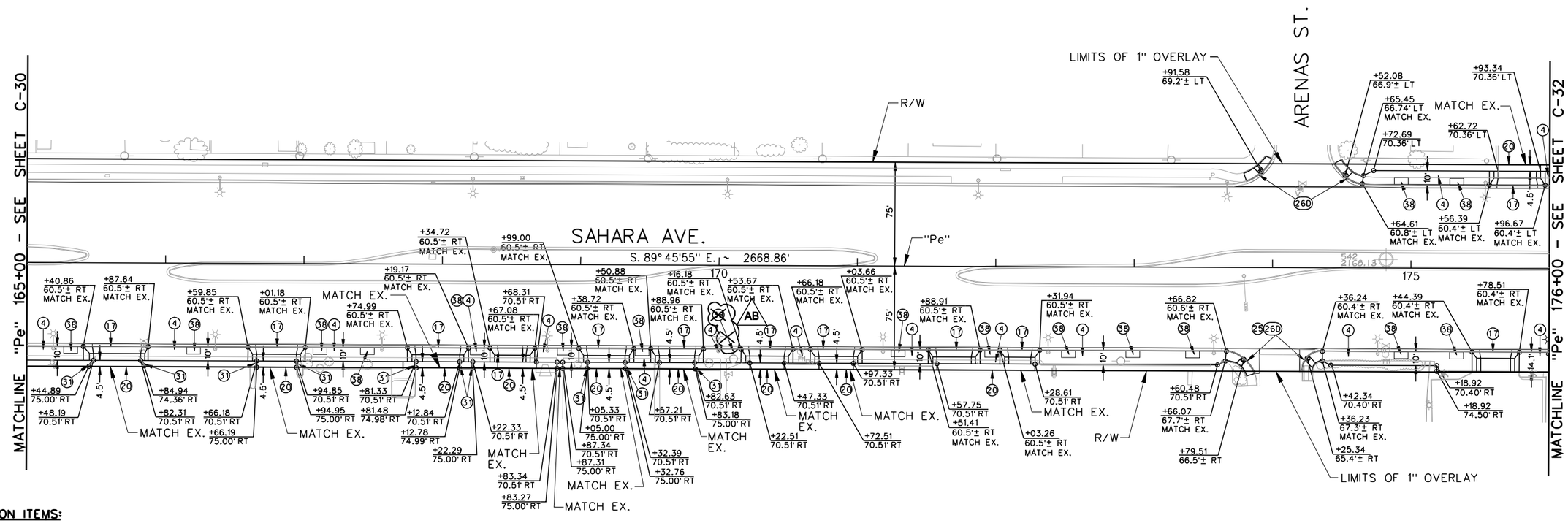
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-8632 • FAX (702) 736-0704

SCALE
HORIZ: NONE
VERT: NONE
FIELD BOOK: NONE

SHEET No. C-30A

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012



CONSTRUCTION ITEMS:

(4) "Pe" 174+64.61, 60.8'± LT TO "Pe" 175+56.39, 60.4'± LT — CONSTRUCT CONCRETE SIDEWALK PER NDOT STD. R-5.2.
"Pe" 175+96.67, 60.4'± LT TO "Pe" 176+00.00, 60.4'± LT
"Pe" 165+00.00, 60.5'± RT TO "Pe" 165+40.86, 60.5'± RT
"Pe" 165+87.64, 60.5'± RT TO "Pe" 166+59.85, 60.5'± RT
"Pe" 167+01.18, 60.5'± RT TO "Pe" 167+74.99, 60.5'± RT
"Pe" 168+19.17, 60.5'± RT TO "Pe" 168+34.72, 60.5'± RT
"Pe" 168+67.08, 60.5'± RT TO "Pe" 168+99.00, 60.5'± RT
"Pe" 169+38.72, 60.5'± RT TO "Pe" 169+50.88, 60.5'± RT
"Pe" 169+88.96, 60.5'± RT TO "Pe" 170+16.18, 60.5'± RT
"Pe" 170+53.67, 60.5'± RT TO "Pe" 170+66.18, 60.5'± RT
"Pe" 171+03.66, 60.5'± RT TO "Pe" 171+51.41, 60.5'± RT

(4) "Pe" 171+88.91, 60.5'± RT TO "Pe" 172+03.26, 60.5'± RT — CONSTRUCT CONCRETE SIDEWALK PER NDOT STD. R-5.2.
"Pe" 172+31.94, 60.5'± RT TO "Pe" 173+66.82, 60.6'± RT
"Pe" 174+36.24, 60.4'± RT TO "Pe" 175+44.39, 60.4'± RT
"Pe" 175+78.51, 60.4'± RT TO "Pe" 176+00.00, 60.4'± RT

(17) "Pe" 175+56.39, 60.4'± LT TO "Pe" 175+96.67, 60.4'± LT — CONSTRUCT SINGLE FAMILY DRIVEWAY PER DETAIL "I" (SEE SHEET SD-5) AND CONSTRUCT ASSOCIATED CONCRETE TYPE 5 CURB AND GUTTER PER NDOT STD. R-5.1.1.
"Pe" 165+40.86, 60.5'± RT TO "Pe" 165+87.64, 60.5'± RT
"Pe" 166+59.85, 60.5'± RT TO "Pe" 167+01.18, 60.5'± RT
"Pe" 167+74.99, 60.5'± RT TO "Pe" 168+19.17, 60.5'± RT
"Pe" 168+34.72, 60.5'± RT TO "Pe" 168+67.08, 60.5'± RT
"Pe" 168+99.00, 60.5'± RT TO "Pe" 169+38.72, 60.5'± RT
"Pe" 169+50.88, 60.5'± RT TO "Pe" 169+88.96, 60.5'± RT
"Pe" 170+16.18, 60.5'± RT TO "Pe" 170+53.67, 60.5'± RT
"Pe" 170+66.18, 60.5'± RT TO "Pe" 171+03.66, 60.5'± RT
"Pe" 171+51.41, 60.5'± RT TO "Pe" 171+88.91, 60.5'± RT
"Pe" 172+03.26, 60.5'± RT TO "Pe" 172+31.94, 60.5'± RT
"Pe" 175+44.39, 60.4'± RT TO "Pe" 175+78.51, 60.4'± RT

(20) "Pe" 175+62.72, 70.36' LT TO "Pe" 175+93.34, 70.36' LT — CONSTRUCT PAVEMENT STRUCTURAL SECTION 2 (SEE SHEET TY-6).
"Pe" 165+48.19, 70.51' RT TO "Pe" 165+82.31, 70.51' RT
"Pe" 166+66.18, 70.51' RT TO "Pe" 166+94.85, 70.51' RT
"Pe" 167+81.33, 70.51' RT TO "Pe" 168+12.84, 70.51' RT
"Pe" 168+22.33, 70.51' RT TO "Pe" 168+68.31, 70.51' RT
"Pe" 169+05.33, 70.51' RT TO "Pe" 169+32.39, 70.51' RT
"Pe" 169+57.21, 70.51' RT TO "Pe" 169+82.63, 70.51' RT
"Pe" 170+22.51, 70.51' RT TO "Pe" 170+47.33, 70.51' RT
"Pe" 170+72.51, 70.51' RT TO "Pe" 170+97.33, 70.51' RT
"Pe" 171+57.75, 70.51' RT TO "Pe" 172+28.61, 70.51' RT

(25) "Pe" 173+79.51, 66.46' RT TO "Pe" 174+25.34, 65.41' RT — RECONSTRUCT CROSS GUTTER SPANDREL PER DETAIL "H" (SEE SHEET SD-4).

(260) "Pe" 173+91.58, 69.2'± LT A=8.0', B=8.0' — RECONSTRUCT TYPE D CURB RAMP PER NDOT STD. R-5.2.2.
"Pe" 174+52.08, 66.9'± LT A=8.0', B=8.0'
"Pe" 173+79.51, 66.5'± RT A=8.0', B=8.0'
"Pe" 174+25.34, 65.4'± RT A=8.0', B=8.0'

(31) "Pe" 165+48.19, 70.51' RT TO "Pe" 165+44.88, 75.00' RT — CONSTRUCT TYPE 2 CURB PER NDOT STD. R-5.1.1.
"Pe" 165+82.31, 70.51' RT TO "Pe" 165+84.94, 74.36' RT
"Pe" 166+66.18, 70.51' RT TO "Pe" 166+66.19, 75.00' RT
"Pe" 166+94.85, 70.51' RT TO "Pe" 166+94.95, 75.00' RT
"Pe" 167+81.33, 70.51' RT TO "Pe" 167+81.48, 74.98' RT
"Pe" 168+12.84, 70.51' RT TO "Pe" 168+12.78, 75.00' RT
"Pe" 168+22.33, 70.51' RT TO "Pe" 168+22.29, 75.00' RT
"Pe" 169+05.33, 70.51' RT TO "Pe" 169+05.00, 75.00' RT
"Pe" 169+32.39, 70.51' RT TO "Pe" 169+32.76, 74.99' RT
"Pe" 169+82.63, 70.51' RT TO "Pe" 169+83.18, 75.00' RT

(38) "Pe" 174+93, 60.4± LT — CONSTRUCT TREE WELL PER DETAIL ON SHEET SD-1.
"Pe" 175+33, 60.4± LT
"Pe" 165+32, 60.5± RT
"Pe" 166+21, 60.5± RT
"Pe" 167+11, 60.5± RT
"Pe" 167+46, 60.5± RT
"Pe" 168+25, 60.5± RT
"Pe" 168+88, 60.5± RT
"Pe" 169+45, 60.5± RT
"Pe" 170+11, 60.5± RT
"Pe" 171+30, 60.5± RT
"Pe" 171+97, 60.5± RT
"Pe" 172+53, 60.5± RT
"Pe" 172+99, 60.5± RT
"Pe" 173+42, 60.5± RT
"Pe" 174+93, 60.5± RT
"Pe" 175+33, 60.5± RT

AB

40 20 0 40 80
GRAPHIC SCALE

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call 811 or 1-800-227-2600
FAST Call before you UnderGround 1-702-432-5300 FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION
AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

CONSTRUCTION PLAN

"Pe" 165+00 to "Pe" 176+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: JPL CHECKED BY: KK
APPROVED BY RJP

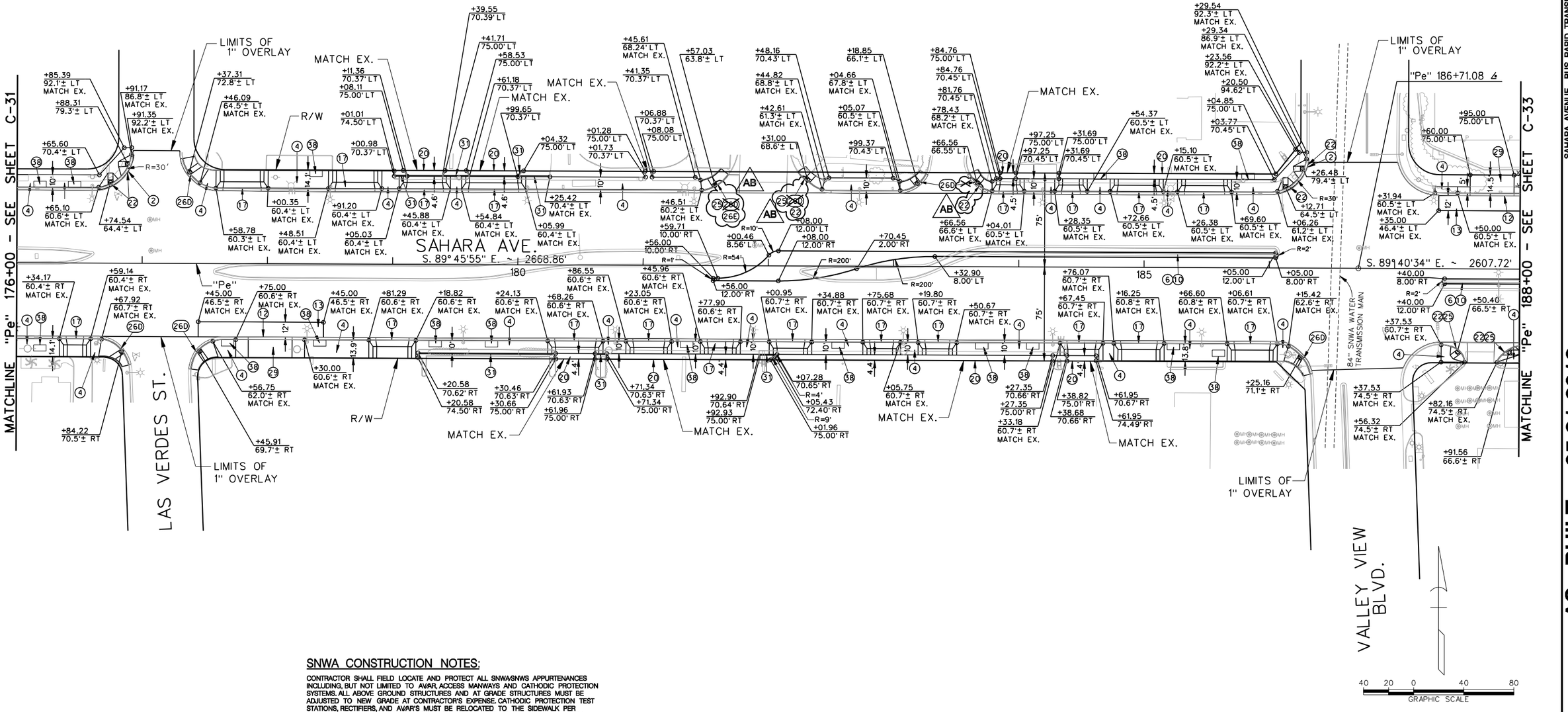
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-8632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. C-31

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012



SNWA CONSTRUCTION NOTES:

CONTRACTOR SHALL FIELD LOCATE AND PROTECT ALL SNWA/SNWS APPURTENANCES INCLUDING, BUT NOT LIMITED TO AVAR, ACCESS MANWAYS AND CATHODIC PROTECTION SYSTEMS. ALL ABOVE GROUND STRUCTURES AND AT GRADE STRUCTURES MUST BE ADJUSTED TO NEW GRADE AT CONTRACTOR'S EXPENSE. CATHODIC PROTECTION TEST STATIONS, RECTIFIERS, AND AVAR'S MUST BE RELOCATED TO THE SIDEWALK PER SNWA STANDARDS AND AT THE CONTRACTOR'S EXPENSE. CONTRACTOR TO NOTIFY SOUTHERN NEVADA WATER AUTHORITY, DEVELOPMENT PLAN REVIEW, AT (702) 862-3444 AT LEAST 48 HOURS PRIOR TO CONSTRUCTION ACTIVITY.

THIS DATA MAY BE BASED ON THE NATIONAL GEODETIC VERTICAL DATUM OF 1929. IT IS THE ENGINEER'S RESPONSIBILITY TO ENSURE THAT THIS DATA IS CONVERTED TO THE APPROPRIATE DATUM BEFORE USING SAID DATA.

Call 811 1-800-227-2600 — FAST Call before you UnderGround 1-702-432-5300 — Call before you DIG OVERHEAD 1-702-227-2929

APPROVED BY:

Signature On File — 3/3/2011
SOUTHERN NEVADA WATER AUTHORITY — DATE

SNWA APPROVAL IS VALID FOR ONE (1) YEAR FROM THE SIGNATURE DATE. IF CONSTRUCTION WITHIN THE EASEMENT OR RESTRICTED PIPE SAFETY ZONE IS NOT COMPLETE, PLANS MUST BE RESUBMITTED TO SNWA FOR APPROVAL.

NOTE:
1. SEE SHEET U-32 CONCERNING SNWA MONUMENT.

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

NOTE:
1. FOR CONSTRUCTION ITEMS SEE SHEET C-32A

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

CONSTRUCTION PLAN

"Pe" 176+00 to "Pe" 188+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: JPL CHECKED BY: KK
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. C-32

Sheet 107 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

CONSTRUCTION ITEMS:

(2)	"Pe" 176+65.10, 60.6'± LT TO "Pe" 176+91.17, 86.8'± LT	CONSTRUCT TYPE 5 CONCRETE CURB AND GUTTER PER NDOT STD. R-5.1.1.
	"Pe" 186+06.26, 61.2'± LT TO "Pe" 186+29.34, 86.9'± LT	
(4)	"Pe" 176+00.00, 60.4'± LT TO "Pe" 176+91.35, 92.2'± LT	CONSTRUCT CONCRETE SIDEWALK PER NDOT STD. R-5.2.
	"Pe" 177+46.09, 64.5'± LT TO "Pe" 177+58.78, 60.3'± LT	
	"Pe" 177+00.35, 60.4'± LT TO "Pe" 178+48.51, 60.4'± LT	
	"Pe" 178+91.20, 60.4'± LT TO "Pe" 179+05.03, 60.4'± LT	
	"Pe" 179+45.88, 60.4'± LT TO "Pe" 179+54.84, 60.4'± LT	
	"Pe" 180+05.99, 60.4'± LT TO "Pe" 181+46.51, 60.2'± LT	
	"Pe" 182+42.61, 61.3'± LT TO "Pe" 183+05.07, 60.5'± LT	
	"Pe" 184+04.01, 60.5'± LT TO "Pe" 184+28.35, 60.5'± LT	
	"Pe" 184+54.37, 60.5'± LT TO "Pe" 184+72.66, 60.5'± LT	
	"Pe" 185+15.10, 60.5'± LT TO "Pe" 185+26.38, 60.5'± LT	
	"Pe" 185+69.61, 60.4'± LT TO "Pe" 186+29.54, 92.3'± LT	
	"Pe" 187+31.94, 60.5'± LT TO "Pe" 187+40.00, 60.5'± LT	
	"Pe" 186+06.60, 60.7'± RT TO "Pe" 186+15.42, 62.6'± RT	
	"Pe" 187+37.53, 60.7'± RT TO "Pe" 187+56.31, 74.5'± RT	
	"Pe" 187+82.16, 74.5'± RT TO "Pe" 188+00.00, 74.5'± RT	
	"Pe" 176+00.00, 60.4'± RT TO "Pe" 176+34.17, 60.4'± RT	
	"Pe" 176+59.14, 60.4'± RT TO "Pe" 176+67.92, 60.7'± RT	
	"Pe" 177+56.75, 62.0'± RT TO "Pe" 177+75.00, 60.6'± RT	
	"Pe" 178+30.00, 60.6'± RT TO "Pe" 178+81.29, 60.6'± RT	
	"Pe" 179+18.82, 60.6'± RT TO "Pe" 180+24.13, 60.6'± RT	
	"Pe" 180+68.26, 60.6'± RT TO "Pe" 180+86.55, 60.6'± RT	
	"Pe" 181+23.05, 60.6'± RT TO "Pe" 181+45.96, 60.6'± RT	
	"Pe" 181+77.90, 60.6'± RT TO "Pe" 182+00.95, 60.7'± RT	
	"Pe" 182+34.88, 60.7'± RT TO "Pe" 182+75.68, 60.7'± RT	
	"Pe" 183+05.75, 60.7'± RT TO "Pe" 183+19.80, 60.7'± RT	
	"Pe" 183+50.67, 60.7'± RT TO "Pe" 184+33.18, 60.7'± RT	
	"Pe" 184+67.45, 60.7'± RT TO "Pe" 184+76.07, 60.7'± RT	
	"Pe" 185+16.25, 60.7'± RT TO "Pe" 185+66.60, 60.7'± RT	
(6)	"Pe" 181+56.00, 12.00' RT TO "Pe" 186+05.00, 12.00' LT TO "Pe" 181+56.00, 12.00' RT	CONSTRUCT TYPE B CONCRETE GLUE DOWN CURB PER NDOT STD. R-5.1.1.
	"Pe" 188+00.00, 8.00' RT TO "Pe" 187+40.00, 8.00' RT TO "Pe" 188+00.00, 12.00' RT	
(10)	"Pe" 181+56.00, 12.00' RT TO "Pe" 186+05.00, 12.00' LT	CONSTRUCT 4-INCH CONCRETE ISLAND PAVING PER NDOT STD. R-5.2.3.
	"Pe" 187+40.00, 8.00' RT TO "Pe" 188+00.00, 12.00' RT	
(12)	"Pe" 187+50.00, 60.5'± LT TO "Pe" 188+00.00, 60.5'± LT	CONSTRUCT SPECIAL 10-INCH CONCRETE CURB AND GUTTER PER DETAIL "A" (SEE SHEET SD-2). TRANSITION BOTH ENDS TO MATCH EXISTING PER DETAIL "C" (SEE SHEET SD-3).
	"Pe" 177+75.00, 60.6'± LT TO "Pe" 178+00.00, 60.6'± LT	
(13)	"Pe" 177+45.00, 46.5'± RT TO "Pe" 178+45.00, 46.5'± RT	CONSTRUCT PCCP FOR BUS PLATFORM (SEE TYPICAL SECTIONS).
	"Pe" 187+35.00, 46.4'± LT TO "Pe" 188+35.00, 46.4'± LT	
(17)	"Pe" 177+58.78, 60.3'± LT TO "Pe" 177+00.35, 60.4'± LT	CONSTRUCT SINGLE FAMILY DRIVEWAY PER DETAIL "I" (SEE SHEET SD-5) AND CONSTRUCT ASSOCIATED CONCRETE TYPE 5 CURB AND GUTTER PER NDOT STD. R-5.1.1.
	"Pe" 178+48.51, 60.4'± LT TO "Pe" 178+91.20, 60.4'± LT	
	"Pe" 179+05.03, 60.4'± LT TO "Pe" 179+45.88, 60.4'± LT	
	"Pe" 179+54.84, 60.4'± LT TO "Pe" 180+05.99, 60.4'± LT	
	"Pe" 183+66.56, 60.5'± LT TO "Pe" 184+04.01, 60.5'± LT	
	"Pe" 184+28.35, 60.5'± LT TO "Pe" 184+54.37, 60.5'± LT	
	"Pe" 184+72.66, 60.5'± LT TO "Pe" 185+15.10, 60.5'± LT	
	"Pe" 185+26.38, 60.5'± LT TO "Pe" 185+69.60, 60.5'± LT	
	"Pe" 180+24.13, 60.6'± RT TO "Pe" 180+68.26, 60.6'± RT	
	"Pe" 180+86.55, 60.6'± RT TO "Pe" 181+23.05, 60.6'± RT	
	"Pe" 181+45.96, 60.6'± RT TO "Pe" 181+77.90, 60.6'± RT	
	"Pe" 182+00.95, 60.7'± RT TO "Pe" 182+34.88, 60.7'± RT	
	"Pe" 182+75.68, 60.7'± RT TO "Pe" 183+05.75, 60.7'± RT	
	"Pe" 183+19.80, 60.7'± RT TO "Pe" 183+50.67, 60.7'± RT	
	"Pe" 184+33.18, 60.7'± RT TO "Pe" 184+67.45, 60.7'± RT	
	"Pe" 184+76.07, 60.7'± RT TO "Pe" 185+16.25, 60.7'± RT	
	"Pe" 176+34.17, 60.4'± RT TO "Pe" 176+59.14, 60.4'± RT	
	"Pe" 178+81.29, 60.6'± RT TO "Pe" 179+18.82, 60.6'± RT	
	"Pe" 185+66.60, 60.7'± RT TO "Pe" 186+06.61, 60.7'± RT	
(20)	"Pe" 179+11.36, 70.37' LT TO "Pe" 179+39.55, 70.39' LT	CONSTRUCT PAVEMENT STRUCTURAL SECTION 2 (SEE SHEET TY-6).
	"Pe" 179+61.18, 70.37' LT TO "Pe" 179+99.65, 70.37' LT	
	"Pe" 183+84.76, 70.45' LT TO "Pe" 183+97.25, 70.45' LT	
	"Pe" 184+31.69, 70.45' LT TO "Pe" 186+23.56, 92.2'± LT	
	"Pe" 180+30.46, 70.63' RT TO "Pe" 180+61.93, 70.63' RT	
	"Pe" 180+71.34, 70.63' RT TO "Pe" 181+92.90, 70.64' RT	
	"Pe" 182+07.28, 70.65' RT TO "Pe" 184+27.35, 70.66' RT	
	"Pe" 184+38.68, 70.66' RT TO "Pe" 184+61.95, 70.67' RT	
(22)	"Pe" 176+74.54, 64.4'± LT A=4.5', B=6.5'	CONSTRUCT TYPE A CURB RAMP PER NDOT STD. R-5.2.1.
	"Pe" 176+88.31, 79.3'± LT A=4.5', B=6.5'	
	"Pe" 186+12.71, 64.5'± LT A=4.5', B=6.5'	
	"Pe" 186+26.48, 79.4'± LT A=4.5', B=6.5'	
	"Pe" 187+91.56, 66.6'± RT A = 6.5', B = 4.0'	
	"Pe" 187+50.40, 66.5'± RT A = 8.0', B = 8.0'	
AB	"Pe" 182+31.00, 68.6'± LT A=8.0', B=8.0'	
	"Pe" 183+66.56, 66.6'± LT A=8.0', B=8.0'	
(25)	"Pe" 181+57.03, 63.82' LT "Pe" 182+31.00, 68.56' LT "Pe" 187+91.56, 66.55' RT "Pe" 187+91.56, 66.55' RT	RECONSTRUCT CROSS GUTTER SPANDREL PER DETAIL "H" (SEE SHEET SD-4).
(26D)	"Pe" 177+37.31, 72.8'± LT A=8.0', B=8.0'	RECONSTRUCT TYPE D CURB RAMP PER NDOT STD. R-5.2.2.
AB	~~"Pe" 181+57.03, 63.8'± LT A=8.0', B=8.0'~~	
	"Pe" 182+31.00, 68.6'± LT A=8.0', B=8.0'	
	"Pe" 183+18.85, 66.1'± LT A=8.0', B=8.0'	
	"Pe" 183+66.56, 66.6'± LT A=8.0', B=8.0'	
	"Pe" 176+84.22, 70.5'± RT A=8.0', B=8.0'	
	"Pe" 186+25.16, 71.1'± RT A=8.0', B=8.0'	
	"Pe" 177+45.91, 69.7'± RT A=8.0', B=8.0'	
AB	(26E) "Pe" 181+57.03, 63.8'± LT A=8.0'	
(29)	"Pe" 187+50.00, 60.5'± LT TO "Pe" 188+00.00, 60.5'± LT	CONSTRUCT CONCRETE BUS SHELTER PAD PER USDCCA DWG. NO. 234.2. SEE SHEET SD-14 FOR SHELTER CLASSIFICATION TABLE.
	"Pe" 177+75.00, 60.6'± RT TO "Pe" 178+30.00, 60.6'± RT	
(31)	"Pe" 179+01.01, 74.50' LT TO "Pe" 179+00.98, 70.37' LT TO "Pe" 179+08.11, 75.00' LT	CONSTRUCT TYPE 2 CURB PER NDOT STD. R-5.1.1.
	"Pe" 179+41.71, 75.00' LT TO "Pe" 179+39.55, 70.37' LT TO "Pe" 179+58.53, 75.00' LT	
	"Pe" 179+99.65, 70.37' LT TO "Pe" 180+04.32, 75.00' LT	
	"Pe" 179+20.58, 74.50' RT TO "Pe" 179+20.58, 70.62' RT TO "Pe" 180+30.66, 75.00' RT	
	"Pe" 180+61.96, 75.00' RT TO "Pe" 180+61.93, 70.63' RT TO "Pe" 180+71.34, 75.00' RT	
	"Pe" 181+92.93, 75.00' RT TO "Pe" 181+92.90, 70.64' RT TO "Pe" 182+01.96, 75.00' RT	
(38)	"Pe" 176+18, 60.6'± LT "Pe" 176+46, 60.6'± LT "Pe" 184+65, 70.5'± LT "Pe" 185+63, 70.5'± LT "Pe" 176+19, 65.6'± RT "Pe" 177+68, 60.6'± RT "Pe" 178+42, 60.6'± RT "Pe" 179+34, 60.6'± RT "Pe" 179+79, 60.6'± RT "Pe" 181+35, 60.6'± RT "Pe" 182+56, 60.7'± RT "Pe" 183+71, 60.7'± RT "Pe" 184+11, 60.7'± RT "Pe" 185+24, 60.8'± RT "Pe" 185+60, 65.8'± RT	CONSTRUCT TREE WELL PER DETAIL ON SHEET SD-1.

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

NOTE:

1. FOR CONSTRUCTION PLAN SEE SHEET C-32.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

CONSTRUCTION NOTES

"Pe" 176+00 to "Pe" 188+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: JPL CHECKED BY: KK
APPROVED BY RJP

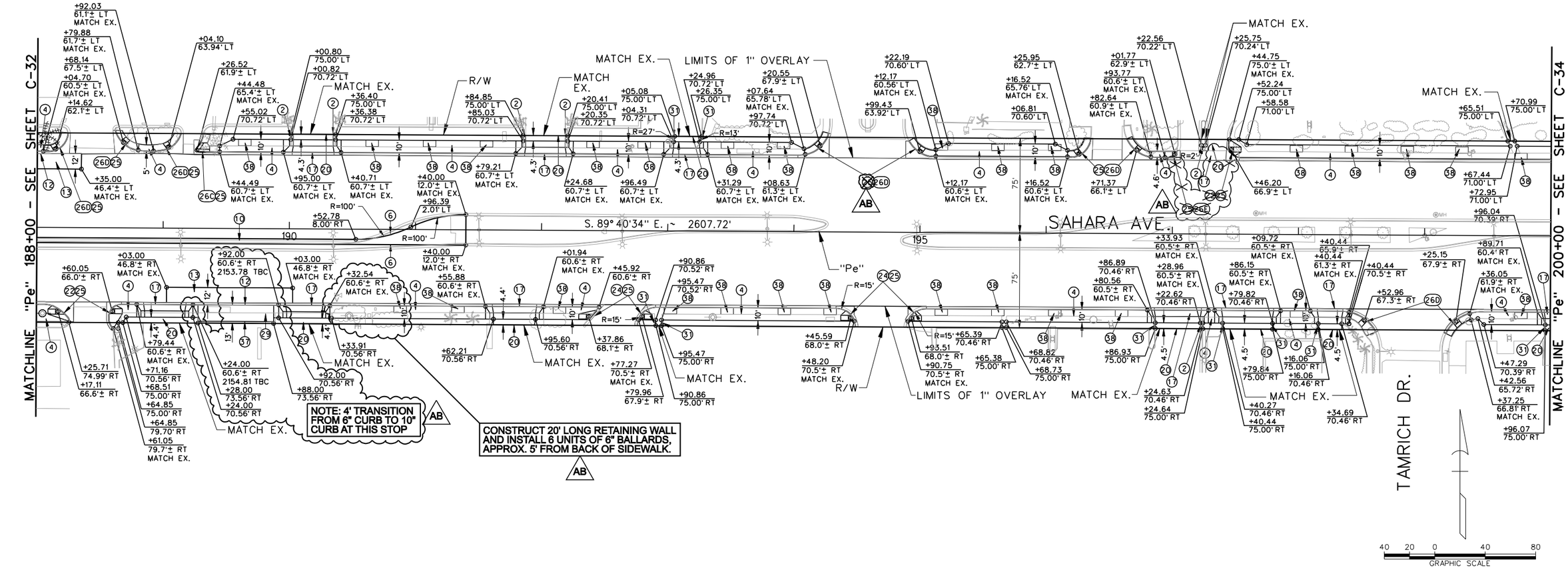
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: NONE
VERT: NONE
FIELD BOOK: NONE

SHEET No. C-32A

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012



AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

NOTE:

1. FOR CONSTRUCTION ITEMS SEE SHEET C-33A.

Call 811 or 1-800-227-2600

FAST Call before you UnderGround 1-702-432-5300 FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

CONSTRUCTION PLAN

"Pe" 188+00 to "Pe" 200+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: JPL CHECKED BY: KK
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. C-33

Sheet 109 of 592

AS - BUILT - 05.31.2012

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

CONSTRUCTION ITEMS:

(2) "Pe" 190+00.82, 70.72' LT TO "Pe" 190+00.80, 75.00' LT — CONSTRUCT TYPE 5 CONCRETE CURB AND GUTTER PER NDOT STD. R-5.1.1.
"Pe" 190+36.38, 70.72' LT TO "Pe" 190+36.40, 75.00' LT
"Pe" 191+85.03, 70.72' LT TO "Pe" 191+84.85, 75.00' LT
"Pe" 192+20.35, 70.72' LT TO "Pe" 192+20.41, 75.00' LT
"Pe" 197+22.56, 70.22' LT TO "Pe" 197+25.75, 70.24' LT
"Pe" 197+24.63, 70.46' RT TO "Pe" 197+24.64, 75.00' RT

(4) "Pe" 188+00.00, 60.5'± LT TO "Pe" 188+04.70, 60.5'± LT — CONSTRUCT CONCRETE SIDEWALK PER NDOT STD. R-5.2.
"Pe" 189+44.49, 60.7'± LT TO "Pe" 189+95.00, 60.7'± LT
"Pe" 190+40.71, 60.7'± LT TO "Pe" 191+79.21, 60.7'± LT
"Pe" 192+24.68, 60.7'± LT TO "Pe" 192+96.49, 60.7'± LT
"Pe" 193+31.29, 60.7'± LT TO "Pe" 194+08.63, 61.3'± LT
"Pe" 195+12.17, 60.6'± LT TO "Pe" 196+16.52, 60.6'± LT
"Pe" 196+82.64, 60.9'± LT TO "Pe" 196+93.77, 60.6'± LT
"Pe" 197+44.75, 75.00' LT TO "Pe" 200+00.00, 60.7'± LT
"Pe" 188+00.00, 75.0'± RT TO "Pe" 188+25.71, 74.99' RT
"Pe" 188+79.88, 61.7'± RT TO "Pe" 188+92.03, 61.1'± RT
"Pe" 188+61.05, 79.7'± RT TO "Pe" 188+79.44, 60.6'± RT
"Pe" 190+37.24, 60.6'± RT TO "Pe" 190+55.88, 60.6'± RT
"Pe" 192+01.94, 60.6'± RT TO "Pe" 192+45.92, 60.6'± RT
"Pe" 192+77.27, 70.52' RT TO "Pe" 194+48.20, 70.52' RT
"Pe" 194+90.75, 70.5'± RT TO "Pe" 196+80.56, 60.5'± RT
"Pe" 197+28.96, 60.5'± RT TO "Pe" 197+33.93, 60.5'± RT
"Pe" 197+86.15, 60.5'± RT TO "Pe" 198+09.72, 60.5'± RT
"Pe" 199+36.05, 61.9'± RT TO "Pe" 199+89.71, 60.4'± RT

(6) "Pe" 188+00.00, 08.00' RT TO "Pe" 191+40.00, 12.0'± LT — CONSTRUCT TYPE B CONCRETE GLUE DOWN CURB PER NDOT STD. R-5.1.1.
"Pe" 188+00.00, 12.00' RT TO "Pe" 191+40.00, 12.0'± RT

(10) "Pe" 188+00.00, 12.00' RT TO "Pe" 191+40.00, 12.00' RT — CONSTRUCT 4-INCH CONCRETE ISLAND PAVING PER NDOT STD. R-5.2.3.

(12) "Pe" 188+00.00, 60.5'± LT TO "Pe" 188+04.70, 60.5'± LT — CONSTRUCT SPECIAL 10-INCH CONCRETE CURB AND GUTTER PER DETAIL "A" (SEE SHEET SD-2). TRANSITION BOTH ENDS TO MATCH EXISTING PER DETAIL "C" (SEE SHEET SD-3).
"Pe" 189+24.00, 60.6'± RT TO "Pe" 189+92.00, 60.6'± RT

(13) "Pe" 188+00.00, 46.4'± LT TO "Pe" 188+35.00, 46.4'± LT — CONSTRUCT PCCP FOR BUS PLATFORM (SEE TYPICAL SECTIONS).
"Pe" 189+03.00, 46.8'± RT TO "Pe" 190+03.00, 46.8'± RT

(17) "Pe" 189+95.00, 60.7'± LT TO "Pe" 190+40.71, 60.7'± LT — CONSTRUCT SINGLE FAMILY DRIVEWAY PER DETAIL "I" (SEE SHEET SD-5) AND CONSTRUCT ASSOCIATED CONCRETE TYPE 5 CURB AND GUTTER PER NDOT STD. R-5.1.1.
"Pe" 191+79.21, 60.7'± LT TO "Pe" 192+24.68, 60.7'± LT
"Pe" 192+96.49, 60.7'± LT TO "Pe" 193+31.29, 60.7'± LT
"Pe" 188+79.44, 60.6'± RT TO "Pe" 189+24.00, 60.56' RT
"Pe" 189+92.00, 60.56' RT TO "Pe" 190+37.24, 60.6'± RT
"Pe" 190+55.88, 60.6'± RT TO "Pe" 192+01.94, 60.6'± RT
"Pe" 196+80.56, 60.5'± RT TO "Pe" 197+28.96, 60.5'± RT
"Pe" 197+33.93, 60.5'± RT TO "Pe" 197+86.15, 60.5'± RT
"Pe" 198+09.72, 60.5'± RT TO "Pe" 198+40.44, 61.3'± RT
"Pe" 199+89.71, 60.4'± RT TO "Pe" 200+00.00, 60.4'± RT
AB "Pe" 197+01.00, 60.5' LT TO "Pe" 197+47.00, 60.5' LT

(20) "Pe" 190+00.82, 70.72' LT TO "Pe" 190+36.38, 70.72' LT — CONSTRUCT NEW PAVEMENT STRUCTURAL SECTION 2 (SEE SHEET TY-6).
"Pe" 191+85.03, 70.72' LT TO "Pe" 192+20.35, 70.72' LT
"Pe" 193+04.31, 70.72' LT TO "Pe" 193+24.96, 70.72' LT
AB "Pe" 197+01.00, 60.5' LT TO "Pe" 197+47.00, 60.5' LT
"Pe" 188+71.16, 70.56' RT TO "Pe" 189+28.00, 70.56' RT
"Pe" 189+88.00, 70.56' RT TO "Pe" 190+33.91, 70.56' RT
"Pe" 191+62.21, 70.56' RT TO "Pe" 191+95.60, 70.56' RT
"Pe" 196+86.89, 70.46' RT TO "Pe" 197+22.62, 70.46' RT
"Pe" 197+40.27, 70.46' RT TO "Pe" 197+79.82, 70.46' RT
"Pe" 198+16.06, 70.46' RT TO "Pe" 198+34.69, 70.46' RT
"Pe" 199+96.04, 70.39' RT TO "Pe" 200+00.00, 70.39' RT

AB
~~(22) "Pe" 197+46.20, 66.9'± LT A = 6.5', B = 4.5'~~ — CONSTRUCT TYPE A CURB RAMP PER NDOT STD. R-5.2.1.
"Pe" 188+17.11, 66.6'± RT A = 6.5', B = 4.5'
"Pe" 188+60.05, 66.0'± RT A = 12.5', B = 4.0'

(24) "Pe" 192+37.86, 68.1'± RT — CONSTRUCT TYPE E CURB RAMP PER NDOT STD. R-5.3.3.
"Pe" 192+79.96, 67.9'± RT
"Pe" 194+45.59, 68.0'± RT
"Pe" 194+93.51, 68.0'± RT

(25) "Pe" 188+14.62, 62.1'± LT — RECONSTRUCT CROSS GUTTER SPANDREL PER DETAIL "H" (SEE SHEET SD-4).
AB "Pe" 188+68.14, 67.5'± LT
"Pe" 189+04.10, 63.9'± LT
"Pe" 189+26.52, 61.9'± LT
~~"Pe" 194+29.55, 67.9'± LT~~
~~"Pe" 194+99.43, 63.9'± LT~~
~~"Pe" 197+46.20, 66.9'± LT~~
~~"Pe" 197+01.77, 62.9'± LT~~
"Pe" 196+71.37, 66.1'± LT
"Pe" 196+25.95, 62.7'± LT
"Pe" 188+17.11, 66.6'± RT
"Pe" 188+60.05, 66.0'± RT
"Pe" 192+37.86, 68.1'± RT
"Pe" 192+79.96, 67.9'± RT
"Pe" 194+45.59, 68.0'± RT
"Pe" 194+93.51, 68.0'± RT

(26C) "Pe" 189+26.52, 61.9'± LT A=8.0', B=8.0' — RECONSTRUCT TYPE C CURB RAMP PER NDOT STD. R-5.2.2.

(26D) "Pe" 188+14.62, 62.1'± LT A=9.5', B=5.5' — RECONSTRUCT TYPE D CURB RAMP PER NDOT STD. R-5.2.2.
"Pe" 188+68.14, 67.5'± LT A=8.0', B=8.0'
"Pe" 189+04.10, 63.9'± LT A=8.0', B=8.0'
"Pe" 194+20.55, 67.9'± LT A=8.0', B=8.0'
"Pe" 194+99.43, 63.9'± LT A=8.0', B=8.0'
"Pe" 196+25.95, 62.7'± LT A=4.0', B=9.5'
"Pe" 196+71.37, 66.1'± LT A=8.0', B=8.0'
"Pe" 198+52.96, 67.3'± RT A=8.0', B=8.0'
"Pe" 199+25.15, 67.9'± RT A=8.0', B=8.0'

(26E) "Pe" 197+01.77, 62.9'± LT A=8.0' — RECONSTRUCT TYPE E CURB RAMP PER NDOT STD. R-5.3.3.

(29) "Pe" 189+18.00, 60.56' RT TO "Pe" 189+98.00, 60.56' RT — CONSTRUCT CONCRETE BUS SHELTER PAD PER USDCCA DWG. NO. 234.2. SEE SHEET SD-14 FOR SHELTER CLASSIFICATION TABLE.

(31) "Pe" 193+04.31, 70.72' LT TO "Pe" 193+05.00, 75.00' LT — CONSTRUCT TYPE 2 CONCRETE CURB PER NDOT STD. R-5.1.1.
"Pe" 193+24.96, 70.72' LT TO "Pe" 193+26.35, 75.00' LT
"Pe" 192+90.86, 70.52' RT TO "Pe" 192+91.01, 75.00' RT
"Pe" 192+95.47, 70.52' RT TO "Pe" 192+95.62, 75.00' RT
"Pe" 196+86.89, 70.46' RT TO "Pe" 196+86.93, 75.00' RT
"Pe" 197+40.27, 70.46' RT TO "Pe" 197+40.44, 75.00' RT
"Pe" 197+79.82, 70.46' RT TO "Pe" 197+79.84, 75.00' RT
"Pe" 198+16.06, 70.46' RT TO "Pe" 198+16.06, 75.00' RT
"Pe" 199+96.04, 70.39' RT TO "Pe" 199+96.07, 75.00' RT

(37) "Pe" 189+28.00, 73.56' RT TO "Pe" 189+88.00, 73.56' RT — CONSTRUCT SPECIAL SIDEWALK RETAINING CURB PER DETAIL "L1" (SEE SHEET SD-7).

(38) "Pe" 189+64, 65.7± LT — CONSTRUCT TREE WELL PER DETAIL ON SHEET SD-1.
"Pe" 190+65, 65.7± LT
"Pe" 191+11, 65.7± LT
"Pe" 191+56, 65.7± LT
"Pe" 192+40, 65.7± LT
"Pe" 192+81, 65.7± LT
"Pe" 193+47, 65.7± LT
"Pe" 193+92, 65.7± LT
"Pe" 195+17, 65.6± LT
"Pe" 195+61, 65.6± LT
"Pe" 196+06, 65.6± LT
"Pe" 194+98, 66.0± LT
"Pe" 198+42, 66.0± LT
"Pe" 198+86, 66.0± LT
"Pe" 199+29, 66.0± LT
"Pe" 199+76, 61.0± LT
"Pe" 190+88, 60.6± RT
"Pe" 191+34, 60.6± RT
"Pe" 192+14, 60.6± RT
"Pe" 193+02, 60.5± RT
"Pe" 193+48, 60.5± RT
"Pe" 193+93, 60.5± RT
"Pe" 194+29, 60.5± RT
"Pe" 195+17, 60.5± RT
"Pe" 195+62, 60.5± RT
"Pe" 196+07, 60.5± RT
"Pe" 196+60, 60.5± RT
"Pe" 197+99, 60.4± RT
"Pe" 199+77, 60.4± RT

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

NOTE:
1. FOR CONSTRUCTION PLAN SEE SHEET C-33.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
CONSTRUCTION ITEMS
"Pe" 188+00 to "Pe" 200+00
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

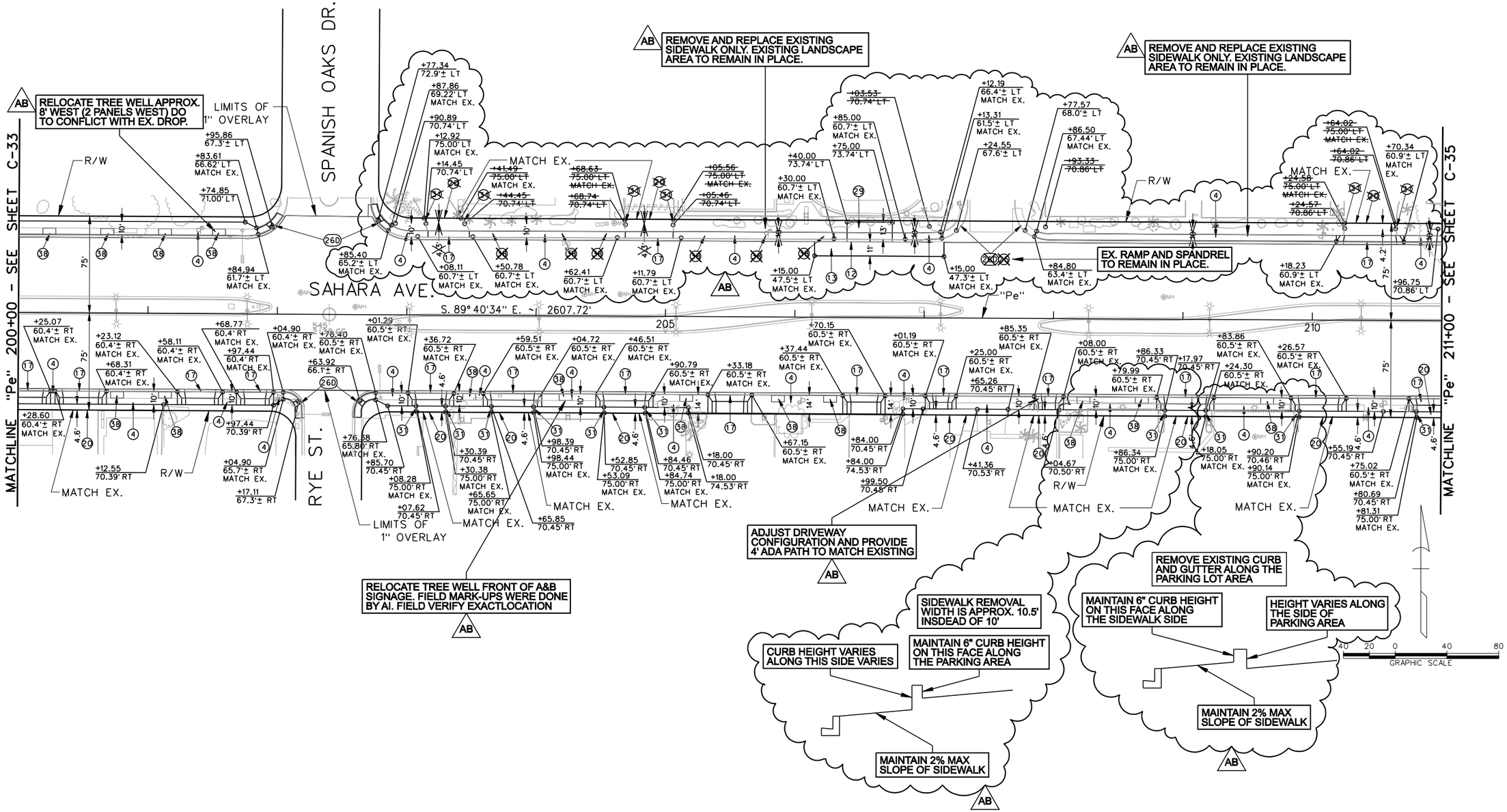
PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: JPL CHECKED BY: KK
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: NONE
VERT: NONE
FIELD BOOK: NONE

SHEET No. C-33A
Sheet 110 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT
AS - BUILT - 05.31.2012



AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

Call 811 or 1-800-227-2600
FAST Call before you UnderGround 1-702-432-5300 FREEWAY AND ARTERIAL SYSTEMS OF TRANSPORTATION
CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

CONSTRUCTION PLAN

"Pe" 200+00 to "Pe" 211+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: JPL CHECKED BY: KK
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-8632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. C-34

CONSTRUCTION ITEMS:

(4)	"Pe" 200+00.00, 60.7'± LT TO "Pe" 202+84.94, 61.7'± LT	CONSTRUCT CONCRETE SIDEWALK PER NDOT STD. R-5.2.
	"Pe" 202+25.07, 60.4'± RT TO "Pe" 202+28.60, 60.4'± RT	
	"Pe" 202+68.31, 60.4'± RT TO "Pe" 201+23.12, 60.4'± RT	
	"Pe" 201+58.11, 60.4'± RT TO "Pe" 201+68.77, 60.4'± RT	
	"Pe" 201+97.44, 60.4'± RT TO "Pe" 202+04.90, 60.4'± RT	
	"Pe" 202+76.40, 60.5'± RT TO "Pe" 203+01.29, 60.5'± RT	
	"Pe" 202+85.40, 65.2'± LT TO "Pe" 203+08.11, 60.7'± LT	
	"Pe" 203+36.72, 60.5'± RT TO "Pe" 203+59.51, 60.5'± RT	
	"Pe" 203+50.78, 60.7'± LT TO "Pe" 204+62.41, 60.7'± LT	
	"Pe" 204+04.72, 60.5'± RT TO "Pe" 204+46.51, 60.5'± RT	
	"Pe" 204+90.79, 60.5'± RT TO "Pe" 205+33.18, 60.5'± RT	
	"Pe" 205+11.79, 60.7'± LT TO "Pe" 206+30.00, 60.7'± LT	
	"Pe" 206+85.00, 60.7'± LT TO "Pe" 207+13.31, 61.5'± LT	
	"Pe" 205+67.15, 60.5'± RT TO "Pe" 306+37.44, 60.5'± RT	
	"Pe" 206+70.15, 60.5'± RT TO "Pe" 207+01.19, 60.5'± RT	
	"Pe" 207+25.00, 60.5'± RT TO "Pe" 207+85.35, 60.5'± RT	
	"Pe" 207+84.80, 63.4'± LT TO "Pe" 210+18.23, 60.9'± LT	
	"Pe" 208+08.00, 60.5'± RT TO "Pe" 208+79.99, 60.5'± RT	
	"Pe" 209+24.30, 60.5'± RT TO "Pe" 209+83.86, 60.5'± RT	
	"Pe" 210+26.57, 60.5'± RT TO "Pe" 210+75.02, 60.5'± RT	
	"Pe" 210+70.34, 60.9'± LT TO "Pe" 211+00.00, 60.9'± LT	
(12)	"Pe" 206+30.00, 60.7'± LT TO "Pe" 206+85.00, 60.7'± LT	CONSTRUCT SPECIAL 10-INCH CONCRETE CURB AND GUTTER PER DETAIL "A" (SEE SHEET SD-2). TRANSITION BOTH ENDS TO MATCH EXISTING PER DETAIL"C" (SEE SHEET SD-3).
(13)	"Pe" 206+15.00, 47.5'± LT TO "Pe" 207+15.00, 47.5'± LT	CONSTRUCT PCCP FOR BUS PLATFORM (SEE TYPICAL SECTIONS).
(17)	"Pe" 200+00.00, 60.4'± RT TO "Pe" 202+25.07, 60.4'± RT	CONSTRUCT SINGLE FAMILY DRIVEWAY PER DETAIL "I" (SEE SHEET SD-5) AND CONSTRUCT ASSOCIATED CONCRETE TYPE 5 CURB AND GUTTER PER NDOT STD. R-5.1.1.
	"Pe" 202+28.60, 60.4'± RT TO "Pe" 202+68.31, 60.4'± RT	
	"Pe" 201+23.12, 60.4'± RT TO "Pe" 201+58.11, 60.4'± RT	
	"Pe" 201+68.77, 60.4'± RT TO "Pe" 201+97.44, 60.4'± RT	
	"Pe" 203+01.29, 60.5'± RT TO "Pe" 203+36.72, 60.5'± RT	
	"Pe" 203+08.11, 60.7'± LT TO "Pe" 203+50.78, 60.7'± LT	
	"Pe" 203+59.51, 60.5'± RT TO "Pe" 204+04.72, 60.5'± RT	
	"Pe" 204+46.51, 60.5'± RT TO "Pe" 204+90.79, 60.5'± RT	
	"Pe" 204+62.41, 60.7'± LT TO "Pe" 205+11.79, 60.7'± LT	
	"Pe" 205+33.18, 60.5'± RT TO "Pe" 205+67.15, 60.5'± RT	
	"Pe" 306+37.44, 60.5'± RT TO "Pe" 206+70.15, 60.5'± RT	
	"Pe" 207+01.19, 60.5'± RT TO "Pe" 207+25.00, 60.5'± RT	
	"Pe" 207+85.35, 60.5'± RT TO "Pe" 208+08.00, 60.5'± RT	
	"Pe" 208+79.99, 60.5'± RT TO "Pe" 209+24.30, 60.5'± RT	
	"Pe" 209+83.86, 60.5'± RT TO "Pe" 210+26.57, 60.5'± RT	
	"Pe" 210+18.23, 60.9'± LT TO "Pe" 210+70.34, 60.9'± LT	
	"Pe" 210+75.02, 60.5'± RT TO "Pe" 211+00.00, 60.5'± RT	
(20) AB	~~"Pe" 203+14.45, 70.74' LT TO "Pe" 203+44.45, 70.74' LT~~ ~~"Pe" 204+68.74, 70.74' LT TO "Pe" 205+05.46, 70.74' LT~~ ~~"Pe" 210+24.57, 70.86' LT TO "Pe" 210+64.02, 70.86' LT~~	CONSTRUCT PAVEMENT STRUCTURAL SECTION 2 (SEE SHEET TY-6).
	"Pe" 200+00.00, 70.39' RT TO "Pe" 201+12.55, 70.39' RT	
	"Pe" 203+07.62, 70.45' RT TO "Pe" 203+30.39, 70.45' RT	
	"Pe" 203+65.85, 70.45' RT TO "Pe" 203+98.39, 70.45' RT	
	"Pe" 204+52.85, 70.45' RT TO "Pe" 204+84.46, 70.45' RT	
	"Pe" 206+99.50, 70.45' RT TO "Pe" 207+41.36, 70.53' RT	
	"Pe" 207+65.26, 70.45' RT TO "Pe" 208+04.67, 70.50' RT	
	"Pe" 208+86.33, 70.45' RT TO "Pe" 209+17.97, 70.45' RT	
	"Pe" 209+90.20, 70.46' RT TO "Pe" 210+55.19, 70.45' RT	
	"Pe" 210+80.69, 70.45' RT TO "Pe" 211+00.00, 70.45' RT	
(25)	"Pe" 207+24.55, 67.6'± LT "Pe" 207+77.57, 68.0'± LT	RECONSTRUCT CROSS GUTTER SPANDREL PER DETAIL "H" (SEE SHEET SD-4).
(26D)	"Pe" 201+95.86, 67.3'± LT A=8.0', B=8.0'	RECONSTRUCT TYPE D CURB RAMP PER NDOT STD. R-5.2.2.
	"Pe" 202+77.34, 72.9'± LT A=8.0', B=8.0'	
	"Pe" 207+24.55, 67.6'± LT A=8.0', B=8.0'	
	"Pe" 207+77.57, 68.0'± LT A=8.0', B=8.0'	
	"Pe" 202+17.11, 67.3'± RT A=8.0', B=8.0'	
	"Pe" 202+63.92, 66.1'± RT A=8.0', B=8.0'	
(29)	"Pe" 206+30.00, 60.7'± LT TO "Pe" 206+85.00, 60.7'± LT	CONSTRUCT CONCRETE BUS SHELTER PAD PER USDCCA DWG. NO. 234.2. SEE SHEET SD-14 FOR SHELTER CLASSIFICATION TABLE.
(31) AB	~~"Pe" 203+12.92, 75.00' LT TO "Pe" 203+14.45, 70.74' LT~~ ~~"Pe" 203+41.49, 75.00' LT TO "Pe" 203+44.45, 70.74' LT~~ ~~"Pe" 204+68.63, 75.00' LT TO "Pe" 204+68.74, 70.74' LT~~ ~~"Pe" 205+05.46, 70.74' LT TO "Pe" 205+05.56, 75.00' LT~~ ~~"Pe" 210+24.57, 70.86' LT TO "Pe" 210+24.58, 75.00' LT~~ ~~"Pe" 210+64.02, 70.86' LT TO "Pe" 210+64.02, 75.00' LT~~	CONSTRUCT TYPE 2 CURB PER NDOT STD. R-5.1.1.
	"Pe" 203+07.62, 70.45' RT TO "Pe" 203+08.28, 75.00' RT	
	"Pe" 203+30.39, 70.45' RT TO "Pe" 203+30.38, 75.00' RT	
	"Pe" 203+65.65, 75.00' RT TO "Pe" 203+65.85, 70.45' RT	
	"Pe" 203+98.39, 70.45' RT TO "Pe" 203+98.44, 75.00' RT	
	"Pe" 204+52.85, 70.45' RT TO "Pe" 204+53.09, 75.00' RT	
	"Pe" 204+84.46, 70.45' RT TO "Pe" 204+84.74, 75.00' RT	
	"Pe" 208+86.33, 70.45' RT TO "Pe" 208+86.34, 75.00' RT	
	"Pe" 209+17.97, 70.45' RT TO "Pe" 209+18.05, 75.00' RT	
	"Pe" 209+90.14, 75.00' RT TO "Pe" 209+90.20, 70.46' RT	
	"Pe" 210+81.31, 75.00' RT TO "Pe" 210+80.69, 70.45' RT	
(38) AB	"Pe" 200+23, 60.7± LT "Pe" 200+68, 60.7± LT "Pe" 201+13, 60.7± LT ~~"Pe" 201+63, 60.7± LT~~ ~~"Pe" 203+66, 60.7± LT~~ ~~"Pe" 204+18, 60.7± LT~~ ~~"Pe" 204+52, 60.7± LT~~ ~~"Pe" 205+30, 60.7± LT~~ ~~"Pe" 205+75, 60.7± LT~~ ~~"Pe" 206+22, 60.7± LT~~ "Pe" 200+76, 60.4± RT "Pe" 201+13, 60.4± RT	CONSTRUCT TREE WELL PER DETAIL ON SHEET SD-1.
	"Pe" 203+49, 60.5± RT "Pe" 204+18, 60.5± RT "Pe" 205+16, 60.5± RT "Pe" 205+87, 60.5± RT "Pe" 506+30, 60.5± RT "Pe" 208+23, 60.5± RT "Pe" 208+69, 60.5± RT "Pe" 209+65, 60.5± RT	

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

NOTE:

1. FOR CONSTRUCTION PLAN, SEE SHEET C-34.

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

CONSTRUCTION ITEMS

"Pe" 200+00 to "Pe" 211+00

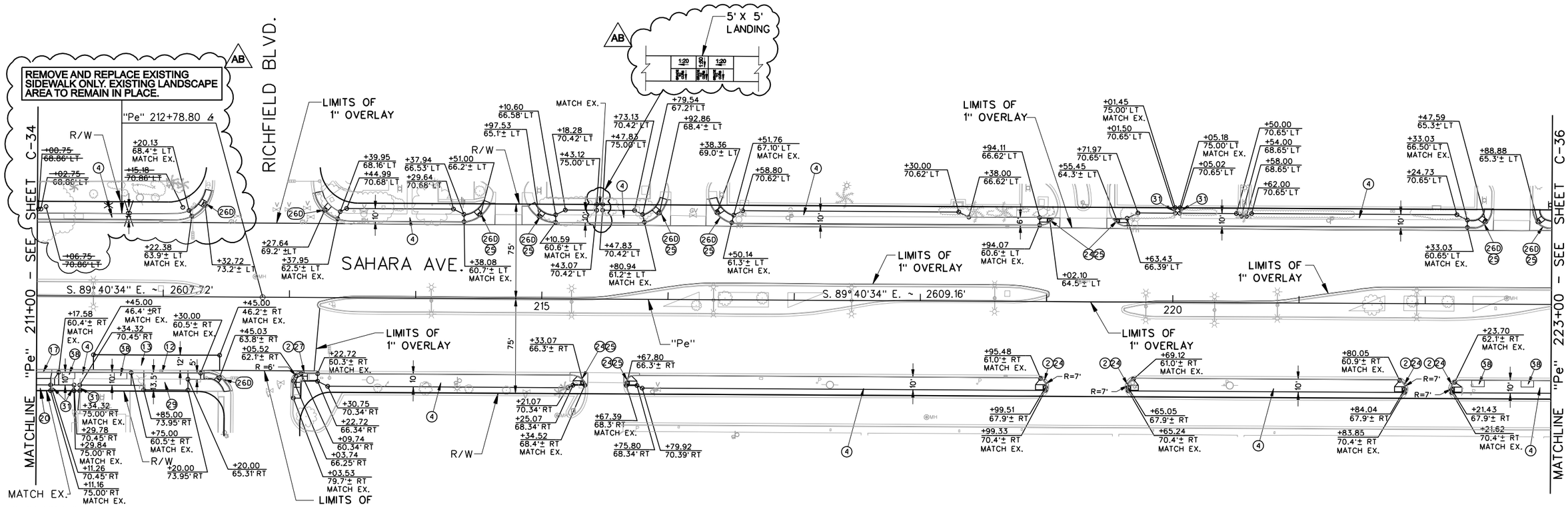
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: JPL CHECKED BY: KK
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. C-34A



CONSTRUCTION ITEMS:

(2) "Pe" 213+03.53, 79.7'± RT TO "Pe" 213+22.72, 60.3'± RT — CONSTRUCT TYPE 5 CONCRETE CURB AND GUTTER PER NDOT STD. R-5.1.1.
"Pe" 218+95.48, 61.0'± RT TO "Pe" 218+99.33, 70.4'± RT
"Pe" 219+65.24, 70.4'± RT TO "Pe" 219+69.12, 61.0'± RT
"Pe" 221+80.05, 60.9'± RT TO "Pe" 221+83.85, 70.4'± RT
"Pe" 222+21.62, 70.4'± RT TO "Pe" 222+23.70, 62.1'± RT

(4) "Pe" 211+00.00, 60.9'± LT TO "Pe" 212+22.38, 63.9'± LT — CONSTRUCT CONCRETE SIDEWALK PER NDOT STD. R-5.2.
"Pe" 213+37.95, 62.5'± LT TO "Pe" 214+38.08, 60.7'± LT
"Pe" 215+10.59, 60.6'± LT TO "Pe" 215+80.94, 61.2'± LT
"Pe" 216+50.14, 61.3'± LT TO "Pe" 218+94.07, 60.6'± LT
"Pe" 219+63.46, 60.6'± LT TO "Pe" 222+33.03, 60.7'± LT
"Pe" 211+17.58, 60.4'± RT TO "Pe" 211+75.00, 60.5'± RT
"Pe" 213+03.53, 79.7'± RT TO "Pe" 215+34.52, 68.3'± RT

(4) "Pe" 215+67.39, 68.3'± RT TO "Pe" 218+99.33, 70.4'± RT — CONSTRUCT CONCRETE SIDEWALK PER NDOT STD. R-5.2.
"Pe" 219+65.24, 70.4'± RT TO "Pe" 221+83.85, 70.4'± RT
"Pe" 222+21.62, 70.4'± RT TO "Pe" 223+00.00, 60.4'± RT

(12) "Pe" 211+75.00, 60.5'± RT TO "Pe" 212+30.00, 60.5'± RT — CONSTRUCT SPECIAL 10-INCH CONCRETE CURB AND GUTTER PER DETAIL "A" (SEE SHEET SD-2). TRANSITION BOTH ENDS TO MATCH EXISTING PER DETAIL "C" (SEE SHEET SD-3).

(13) "Pe" 211+45.00, 46.4'± RT TO "Pe" 212+45.00, 46.2'± RT — CONSTRUCT PCCP FOR BUS PLATFORM (SEE TYPICAL SECTIONS).

(17) "Pe" 211+00.00, 60.4'± RT TO "Pe" 211+17.58, 60.4'± RT — CONSTRUCT SINGLE FAMILY DRIVEWAY PER DETAIL "I" (SEE SHEET SD-5) AND CONSTRUCT ASSOCIATED CONCRETE TYPE 5 CURB AND GUTTER PER NDOT STD. R-5.1.1.

(20) "Pe" 211+00.00, 70.45' RT TO "Pe" 211+11.25, 70.45' RT — CONSTRUCT PAVEMENT STRUCTURAL SECTION 2 (SEE SHEET TY-6).

(24) "Pe" 219+02.10, 64.5'± LT — CONSTRUCT TYPE E CURB RAMP PER NDOT STD R-5.3.3.
A=8.0' "Pe" 219+55.45, 64.3'± LT
A=8.0' "Pe" 215+33.07, 66.3'± RT
A=8.0' "Pe" 215+67.80, 66.3'± RT
A=8.0' "Pe" 218+99.51, 67.9'± RT
A=8.0' "Pe" 219+65.05, 67.9'± RT
A=8.0' "Pe" 221+84.04, 67.9'± RT
A=8.0' "Pe" 222+21.43, 67.9'± RT
A=8.0'

(25) "Pe" 214+51.00, 66.2'± LT — RECONSTRUCT CROSS GUTTER SPANDREL PER DETAIL "H" (SEE SHEET SD-4).
"Pe" 214+97.53, 65.1'± LT
"Pe" 215+33.07, 66.3'± RT
"Pe" 215+67.80, 66.3'± RT
"Pe" 215+92.86, 68.4'± LT
"Pe" 216+38.36, 69.0'± LT
"Pe" 219+02.10, 64.5'± LT
"Pe" 219+55.44, 64.3'± LT
"Pe" 222+47.59, 65.3'± LT
"Pe" 222+88.88, 65.3'± LT

(260) "Pe" 212+32.72, 73.2'± LT, A=8.0', B=8.0' — RECONSTRUCT TYPE D CURB RAMP PER NDOT STD. R-5.2.2.
"Pe" 212+45.03, 63.8'± RT, A=8.0', B=8.0'
"Pe" 213+27.64, 69.2'± LT, A=8.0', B=8.0'
"Pe" 214+51.00, 66.2'± LT, A=8.0', B=8.0'
"Pe" 214+97.53, 65.1'± LT, A=8.0', B=8.0'
"Pe" 215+92.86, 68.4'± LT, A=8.0', B=8.0'
"Pe" 216+38.36, 69.0'± LT, A=8.0', B=8.0'
"Pe" 222+47.59, 65.3'± LT, A=8.0', B=8.0'
"Pe" 222+88.88, 65.3'± LT, A=8.0', B=8.0'

(27) "Pe" 213+05.52, 62.1'± RT, A=8.0', B=8.0' — CONSTRUCT TYPE C CURB RAMP PER NDOT STD R-5.2.2.

(29) "Pe" 211+75.00, 60.5'± RT TO "Pe" 212+30.00, 60.5'± RT — CONSTRUCT CONCRETE BUS SHELTER PAD PER USDCCA DWG. NO. 234.2. SEE SHEET SD-14 FOR SHELTER CLASSIFICATION TABLE.

(31) "Pe" 211+11.26, 70.45' RT TO "Pe" 211+11.16, 75.00' RT — CONSTRUCT TYPE 2 CURB PER NDOT STD R-5.1.1.
"Pe" 211+29.78, 70.45' RT TO "Pe" 211+29.84, 75.00' RT
"Pe" 211+34.32, 70.45' RT TO "Pe" 211+34.32, 75.00' RT
"Pe" 220+01.50, 70.65' LT TO "Pe" 220+01.45, 75.00' LT
"Pe" 220+05.02, 70.65' LT TO "Pe" 220+05.18, 75.00' LT

(38) "Pe" 211+25, 60.5'± LT/RT, "Pe" 211+67, 60.5'± LT/RT, "Pe" 222+42, 60.4'± LT, "Pe" 222+81, 60.4'± LT — AB — CONSTRUCT TREE WELL PER DETAIL ON SHEET SD-1.

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call 811 or 1-800-227-2600
FAST Call before you UnderGround 1-702-432-5300 FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION
AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

40 20 0 40 80
GRAPHIC SCALE

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

CONSTRUCTION PLAN

"Pe" 211+00 to "Pe" 223+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: JPL CHECKED BY: KK
APPROVED BY RJP

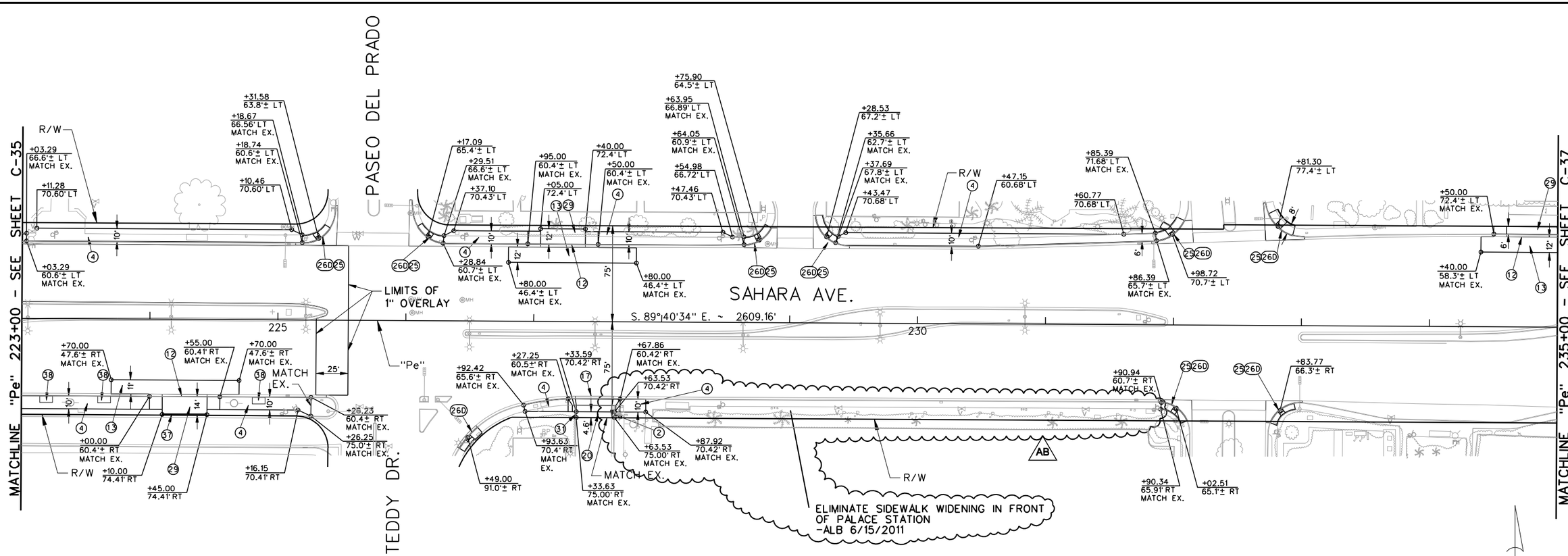
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. C-35

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012



CONSTRUCTION ITEMS:

(2) "Pe" 227+63.53. 70.42' RT TO "Pe" 227+63.53. 75.00' RT — CONSTRUCT TYPE 5 CONCRETE CURB AND GUTTER PER NDOT STD R-5.1.1.

(4) "Pe" 223+03.29. 60.6'± LT TO "Pe" 225+18.74. 60.6'± LT
"Pe" 226+28.84. 60.7'± LT TO "Pe" 226+95.00. 60.4'± LT
"Pe" 227+50.00. 60.4'± LT TO "Pe" 228+63.95. 66.9'± LT
"Pe" 229+35.66. 62.7'± LT TO "Pe" 231+86.39. 65.7'± LT
"Pe" 223+00.00. 60.4'± RT TO "Pe" 224+00.00. 60.4'± RT
"Pe" 224+55.00. 60.4'± RT TO "Pe" 225+26.23. 60.4'± RT
"Pe" 226+92.42. 65.6'± RT TO "Pe" 227+27.25. 60.5'± RT
~~"Pe" 227+67.86. 60.4'± RT TO "Pe" 227+87.92. 70.4'± RT~~ AB
— CONSTRUCT CONCRETE SIDEWALK PER NDOT STD. R-5.2.

(12) "Pe" 224+00.00. 60.4'± RT TO "Pe" 224+55.00. 60.4'± RT
"Pe" 228+95.00. 60.4'± LT TO "Pe" 227+50.00. 60.4'± LT
"Pe" 234+50.00. 72.5'± LT TO "Pe" 235+00.00. 72.4'± LT
— CONSTRUCT SPECIAL 10-INCH CONCRETE CURB AND GUTTER PER DETAIL "A" (SEE SHEET SD-2). TRANSITION BOTH ENDS TO MATCH EXISTING PER DETAIL "C" (SEE SHEET SD-3).

(13) "Pe" 223+70.00. 47.6'± RT TO "Pe" 224+70.00. 47.6'± RT
"Pe" 226+80.00. 46.4'± LT TO "Pe" 227+80.00. 46.4'± LT
"Pe" 234+40.00. 58.3'± LT TO "Pe" 235+00.00. 58.2'± LT
— CONSTRUCT PCCP FOR BUS PLATFORM. (SEE TYPICAL SECTIONS.)

(17) "Pe" 227+27.25. 60.5'± RT TO "Pe" 227+67.86. 60.5'± RT — CONSTRUCT SINGLE FAMILY DRIVEWAY PER DETAIL "I" (SEE SHEET SD-5) AND CONSTRUCT ASSOCIATED CONCRETE TYPE 5 CURB AND GUTTER PER NDOT STD. R-5.1.1.

(20) "Pe" 227+33.59. 70.42' RT TO "Pe" 227+63.53. 70.42' RT — CONSTRUCT PAVEMENT STRUCTURAL SECTION 2 (SEE SHEET TY-6).

(25) "Pe" 225+31.58. 63.8'± LT
"Pe" 226+17.09. 65.4'± LT
"Pe" 228+75.90. 64.5'± LT
"Pe" 229+28.53. 67.2'± LT
"Pe" 232+02.51. 65.1'± RT
"Pe" 232+02.51. 65.1'± LT
"Pe" 231+98.72. 70.7'± LT
"Pe" 232+83.77. 66.2'± LT
"Pe" 232+81.30. 77.4'± LT
— RECONSTRUCT CROSS GUTTER SPANDREL PER DETAIL "H" (SEE SHEET SD-4).

(26D) "Pe" 225+31.58. 63.8'± LT A=8.0', B=8.0'
"Pe" 226+17.09. 65.4'± LT A=8.0', B=8.0'
"Pe" 226+49.00. 91.0'± RT A=8.0', B=8.0'
"Pe" 228+75.90. 64.5'± LT A=8.0', B=8.0'
"Pe" 229+28.53. 67.2'± LT A=8.0', B=8.0'
"Pe" 232+02.51. 65.1'± RT A=8.0', B=8.0'
"Pe" 231+98.72. 70.7'± LT A=8.0', B=8.0'
"Pe" 232+83.77. 66.2'± RT A=8.0', B=8.0'
"Pe" 232+81.30. 77.4'± LT A=8.0', B=8.0'
— RECONSTRUCT TYPE D CURB RAMP PER NDOT STD. R-5.2.2.

(29) "Pe" 226+95.00. 60.4'± LT TO "Pe" 227+50.00. 60.4'± LT
"Pe" 234+50.00. 72.4'± LT TO "Pe" 235+00.00. 72.4'± LT
"Pe" 224+00.00. 60.4'± RT TO "Pe" 224+55.00. 60.4'± RT
— CONSTRUCT CONCRETE BUS SHELTER PAD PER USDCCA DWG. NO. 234.2. SEE SHEET SD-14 FOR SHELTER CLASSIFICATION TABLE.

(31) "Pe" 227+33.59. 70.42' RT TO "Pe" 227+33.63. 75.00' RT — CONSTRUCT TYPE 2 CURB PER NDOT STD R-5.1.1.

(37) "Pe" 224+10.00. 74.41' RT TO "Pe" 224+45.00. 74.41' RT — CONSTRUCT SPECIAL SIDEWALK RETAINING CURB PER DETAIL "L1" (SEE SHEET SD-7).

(38) "Pe" 223+19. 60.4± RT
"Pe" 223+65. 60.4± RT
"Pe" 224+85. 60.4± RT
— CONSTRUCT TREE WELL PER DETAIL ON SHEET SD-1.

GRAPHIC SCALE 40 20 0 40 80

AS-BUILT
Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

Call 811 or 1-800-227-2600 — FAST Call before you UnderGround 1-702-432-5300 — Call before you CALL BEFORE YOU DIG OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
CONSTRUCTION PLAN
"Pe" 223+00 to "Pe" 235+00
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: JPL CHECKED BY: KK
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. C-36

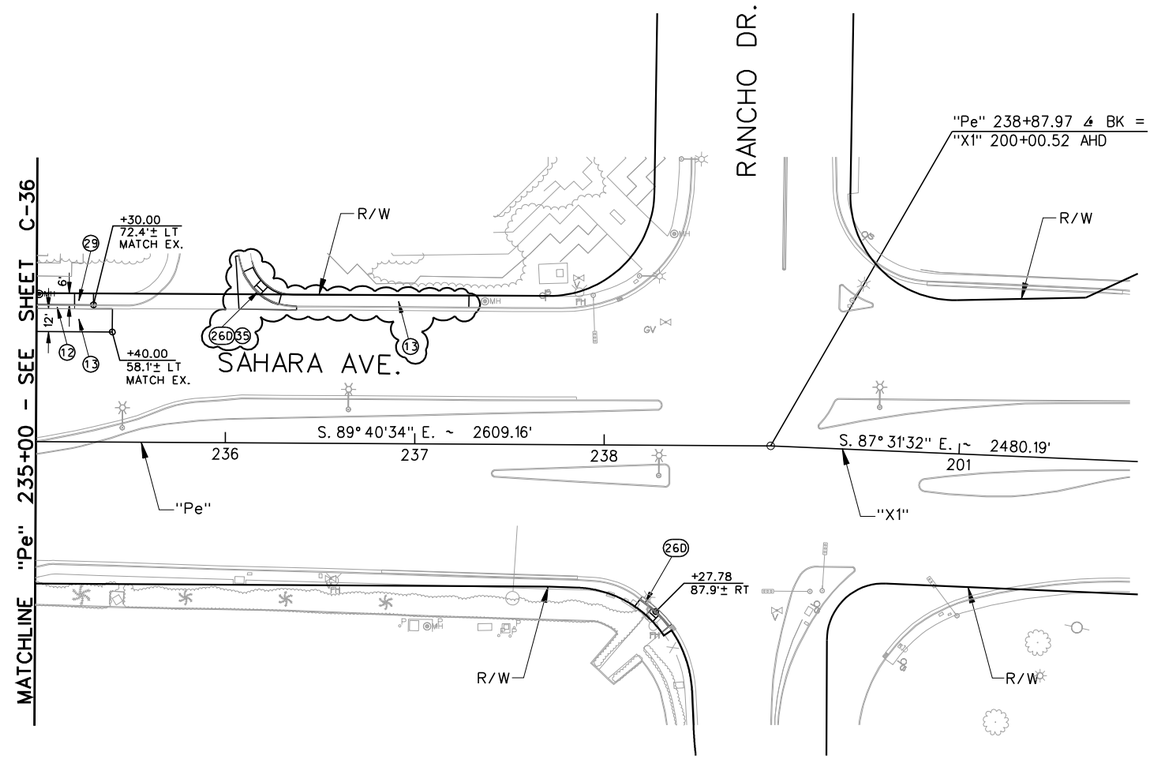
SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

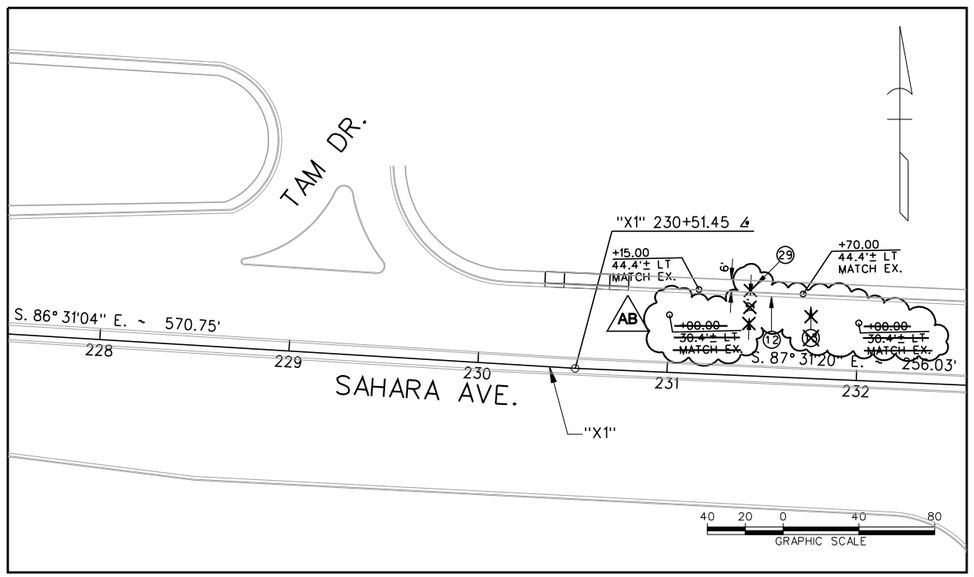
AS - BUILT - 05.31.2012

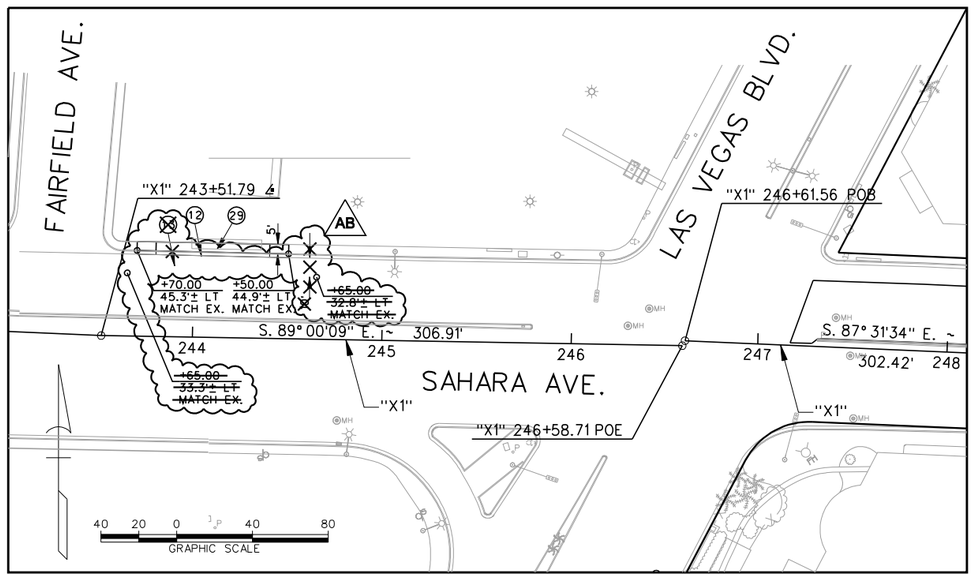
AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY.
Call 811
1-800-227-2600
FAST
Call before you UnderGround
1-702-432-5300
FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION
AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY.
CALL BEFORE YOU DO OVERHEAD
1-702-227-2929

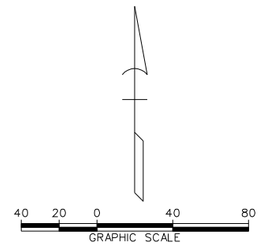
CONSTRUCTION ITEMS:

(4)	"Pe" 236+25.00. 61.0' LT TO "Pe" 237+25.00. 61.0' LT	CONSTRUCT CONCRETE SIDEWALK PER NDOT STD. R-5.2.
(12)	"Pe" 235+00.00. 72.4'± LT TO "Pe" 235+30.00. 72.4'± LT "X1" 231+15.00. 44.4'± LT TO "X1" 231+70.00. 44.4'± LT "X1" 243+70.00. 45.3'± LT TO "X1" 244+50.00. 44.9'± LT	CONSTRUCT SPECIAL 10-INCH CONCRETE CURB AND GUTTER PER DETAIL "A" (SEE SHEET SD-2). TRANSITION BOTH ENDS TO MATCH EXISTING PER DETAIL "C" (SEE SHEET SD-3).
(13)	"Pe" 235+00.00. 58.2'± LT TO "Pe" 235+40.00. 58.1'± LT	CONSTRUCT PCCP FOR BUS PLATFORM (SEE TYPICAL SECTIONS).
AB	~~"X1" 231+00.00. 30.4'± LT TO "X1" 232+00.00. 30.4'± LT~~ ~~"X1" 243+65.00. 33.3'± LT TO "X1" 244+65.00. 32.8'± LT~~	
(25)	"Pe" 236+10.00. 64.3' LT	CONSTRUCT CROSS GUTTER SPANDREL PER DETAIL "H" (SEE SHEET SD-4).
(26D)	"Pe" 238+27.78. 87.9'± RT A = 8.0', B = 8.0'	RECONSTRUCT TYPE D CURB RAMP PER NDOT STD. R-5.2.2.
AB	"Pe" 236+10.00. 64.3' LT A=8.0', B=8.0'	
(29)	"Pe" 235+00.00. 72.4'± LT TO "Pe" 235+30.00. 72.4'± LT "X1" 231+15.00. 44.4'± LT TO "X1" 231+70.00. 44.4'± LT "X1" 243+70.00. 45.3'± LT TO "X1" 244+50.00. 44.9'± LT	CONSTRUCT CONCRETE BUS PAD SHELTER PER USDCCA DWG. NO. 234.2.









AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
CONSTRUCTION PLAN
"Pe" 235+00 to "Pe" 238+87.97
"X1" 227+50 to "X1" 232+50 - "X1" 243+00 to "X1" 248+00.00
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: JPL CHECKED BY: KK
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-8632 • FAX (702) 736-0704

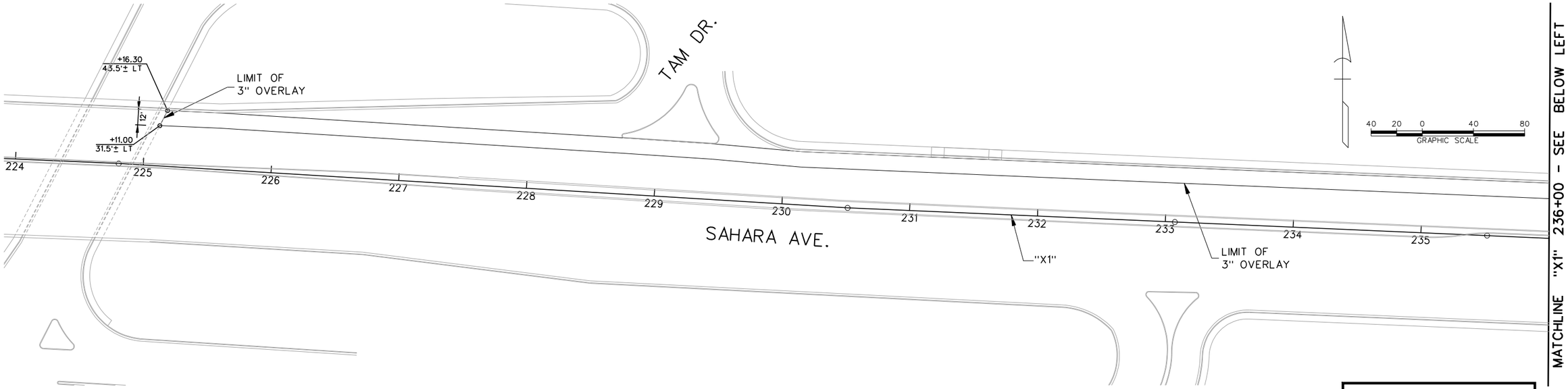
SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. C-37

Call before you Dig
AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY.
Call 811 OR 1-800-227-2600

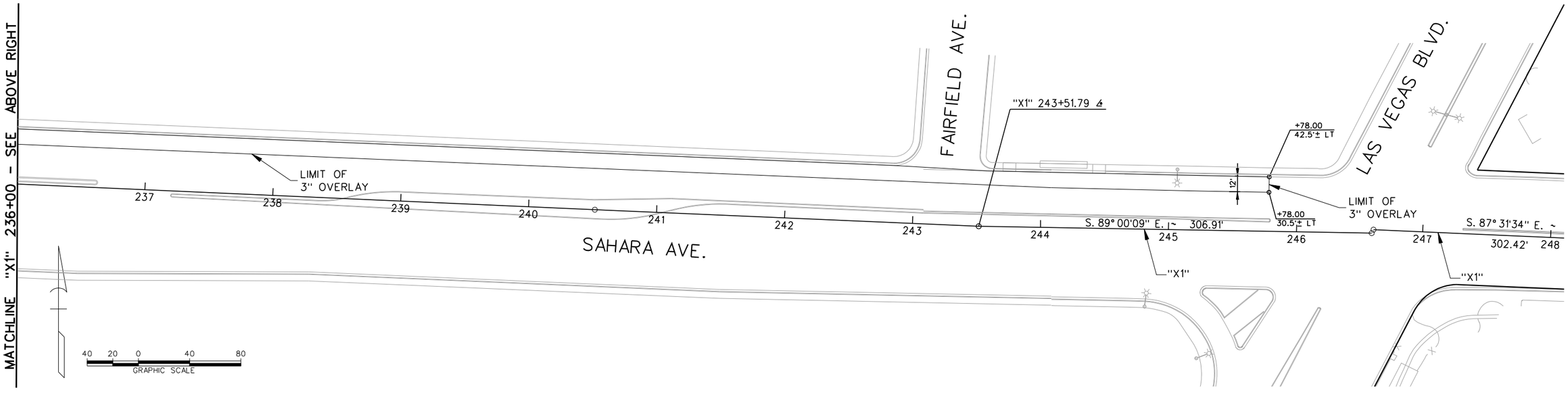
FAST
Call before you UnderGround 1-702-432-5300
PRIMARY AND ARTERIAL SYSTEM OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY.
CALL BEFORE YOU DIG OVERHEAD 1-702-227-2929



AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.



REV. NO.	DATE	DESCRIPTION	APPROVED
1	9/30/13	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

CONSTRUCTION PLAN

"X1" 224+00 to "X1" 248+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No:	CB 1083	DRAWN BY:	GFV
DESIGNED BY:	ALB	CHECKED BY:	KK
APPROVED BY	RJP		

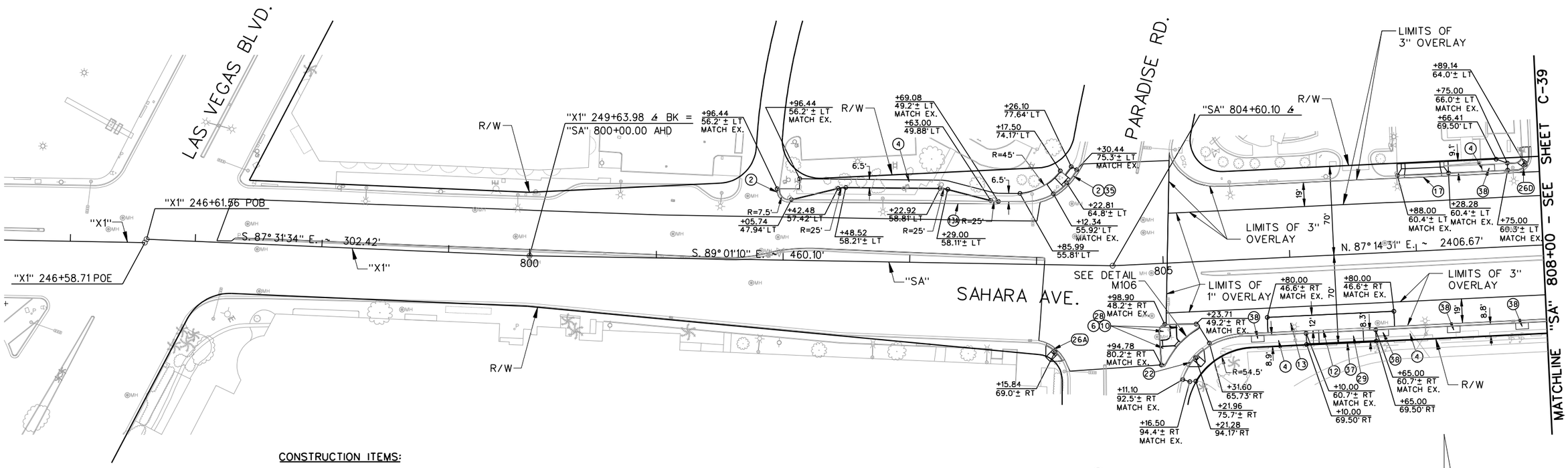
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-8632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. C-37a

SAHARA AVENUE, BUS/BIKE LANE ALTERNATIVE

AS-BUILT - 09.30.2013



CONSTRUCTION ITEMS:

② "SA" 804+12.34. 55.9'± LT TO "SA" 804+30.44. 75.3'± LT; "SA" 801+96.44. 56.2'± LT TO "SA" 802+05.74. 47.94'± LT — CONSTRUCT TYPE 5 CONCRETE CURB AND GUTTER PER NDOT STD. R-5.1.1.

④ "SA" 801+96.44. 56.2'± LT TO "SA" 804+30.44. 75.3'± LT; "SA" 807+28.28. 60.4'± LT TO "SA" 807+75.00. 60.3'± LT; "SA" 805+11.10. 92.5'± RT TO "SA" 806+10.00. 60.7'± RT; "SA" 806+65.00. 60.7'± RT TO "SA" 808+00.00. 60.7'± RT — CONSTRUCT CONCRETE SIDEWALK PER NDOT STD. R-5.2.

⑥ "SA" 804+94.44. 60.70' RT TO "SA" 805+02.93. 48.54' RT TO "SA" 804+94.44. 60.70' RT; "SA" 804+94.91. 77.97' RT TO "SA" 805+07.36. 66.73' RT TO "SA" 804+94.91. 77.97' RT; "SA" 805+07.93. 58.74' RT TO "SA" 805+24.22. 49.23' RT TO "SA" 805+07.93. 58.74' RT — CONSTRUCT TYPE B GLUE DOWN CURB PER NDOT STD. R-5.1.1.

⑩ "SA" 804+94.44. 60.70' RT TO "SA" 805+02.93. 48.54' RT; "SA" 804+94.91. 77.97' RT TO "SA" 805+07.36. 66.73' RT; "SA" 805+07.93. 58.74' RT TO "SA" 805+24.22. 49.23' RT — CONSTRUCT 4-INCH PCCP ISLAND PAVING PER NDOT STD. R-5.2.3.

⑫ "SA" 806+10.00. 60.7'± RT TO "SA" 806+65.00. 60.7'± RT — CONSTRUCT SPECIAL 10-INCH CONCRETE CURB AND GUTTER PER DETAIL "A" (SEE SHEET SD-2). TRANSITION BOTH ENDS TO MATCH EXISTNG PER DETAIL "C" (SEE SHEET SD-3).

⑬ "SA" 805+80.00. 46.6'± RT TO "SA" 806+80.00. 46.6'± RT — CONSTRUCT PCCP FOR BUS PLATFORM. (SEE TYPICAL SECTIONS).

⑬A "SA" 802+05.74. 47.94'± LT TO "SA" 804+69.08. 49.2'± LT — CONSTRUCT PCCP FOR BUS PLATFORM PER USDCCA DWG. NO. 234.1.

⑰ "SA" 806+88.00. 60.4'± LT TO "SA" 807+28.28. 60.4'± LT — CONSTRUCT SINGLE FAMILY DRIVEWAY PER DETAIL "I" (SEE SHEET SD-5) AND CONSTRUCT ASSOCIATED CONCRETE TYPE 5 CURB AND GUTTER PER NDOT STD. R-5.1.1.

㉒ "SA" 905+21.96. 75.7'± RT — CONSTRUCT TYPE A CURB RAMP A = 6.5', B = 6.5' PER NDOT STD. R-5.2.1.

㉖A "SA" 804+15.84. 69.0'± RT — RECONSTRUCT TYPE A CURB RAMP A = 6.5', B = 6.5' PER NDOT STD. R-5.2.1.

㉖D "SA" 807+89.14. 64.0'± LT — CONSTRUCT TYPE D CURB RAMP A = 12.0', B = 12.0' PER NDOT STD. R-5.2.2.

㉘ "SA" 804+94.78. 80.2'± RT TO "SA" 804+98.90. 48.2'± RT TO "SA" 805+23.71. 49.2'± RT — CONSTRUCT PAVEMENT STRUCTURAL SECTION 1 (SEE SHEET TY-6).

㉙ "SA" 806+10.00. 60.7'± RT TO "SA" 806+65.00. 60.7'± RT — CONSTRUCT CONCRETE BUS SHELTER PAD PER USDCCA DWG. NO. 234.2. SEE SHEET SD-14 FOR SHELTER CLASSIFICATION TABLE.

㉟ "SA" 804+22.81. 64.8'± LT — CONSTRUCT SPECIAL SIDEWALK RAMP A = 8.0', B = 8.0' PER DETAIL "P" (SEE SD-8)

㊲ "SA" 806+10.00. 69.50' RT TO "SA" 806+65.00. 69.50' RT — CONSTRUCT SPECIAL SIDEWALK RETAINING CURB PER DETAIL "L1" (SEE SHEET SD-7).

㊳ "SA" 807+60. 60.4± LT; "SA" 805+71. 60.6± RT; "SA" 806+70. 60.6± RT; "SA" 807+27. 60.6± RT; "SA" 807+80. 60.6± RT — CONSTRUCT TREE WELL PER DETAIL ON SHEET SD-1.

40 20 0 40 80
GRAPHIC SCALE

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S CONTROL
Call 811 or 1-800-227-2600

FAST
Call before you UnderGround 1-702-432-5300
FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. IT'S CONTROL
CALL BEFORE YOU DO OVERHEAD
1-702-227-2929

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

NOTE:

1. FOR MEDIAN ISLAND GEOMETRICS NOT SHOWN, SEE SHEET SD-11.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

CONSTRUCTION PLAN

"X1" 246+61.56 to "SA" 808+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: JPL CHECKED BY: KK
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-8632 • FAX (702) 736-0704

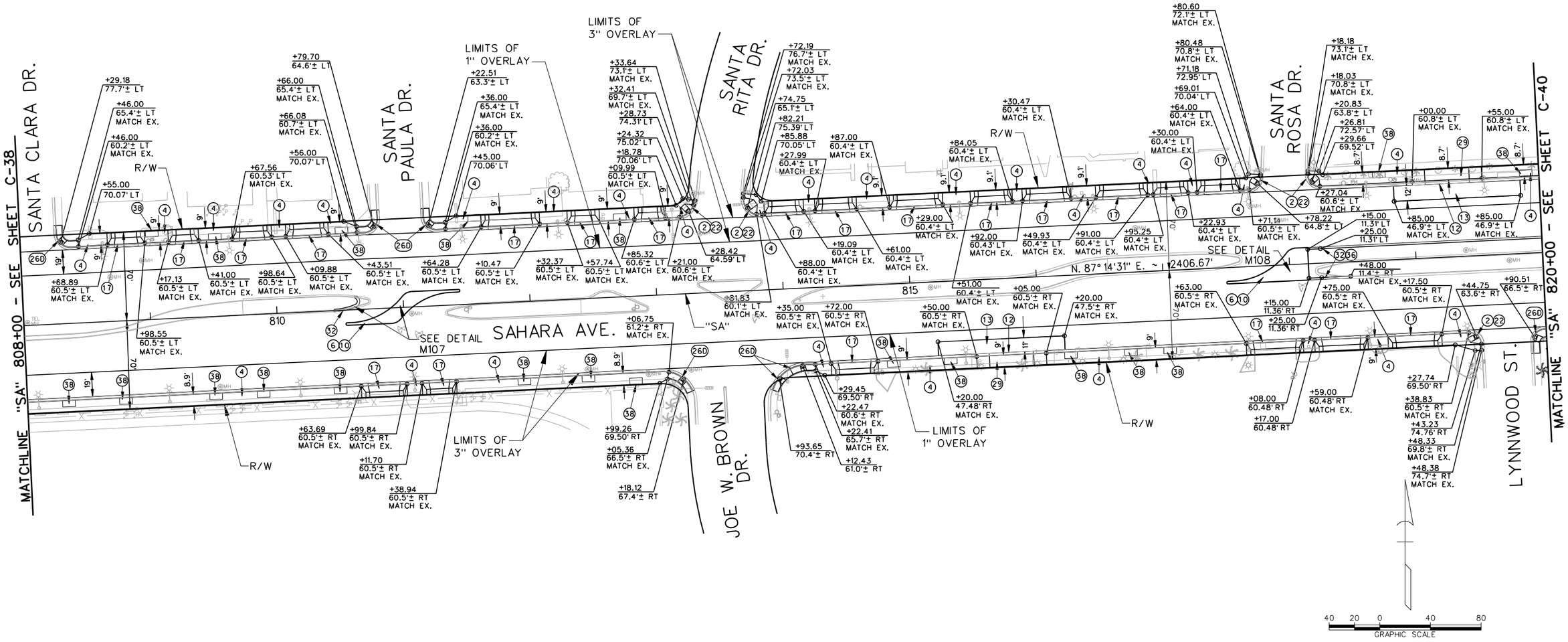
SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. C-38

Sheet 116 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012



AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

NOTE:

1. FOR CONSTRUCTION ITEMS SEE SHEET C-39A.
2. FOR MEDIAN ISLAND GEOMETRICS NOT SHOWN SEE SHEET SD-12.

Call 811 or 1-800-227-2600

FAST Call before you UnderGround 1-702-432-5300 FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

CONSTRUCTION PLAN

"SA" 808+00 to "SA" 820+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: JPL CHECKED BY: KK
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-8632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. C-39

Sheet 117 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

CONSTRUCTION ITEMS:

(2)	"SA" 813+21.00, 60.6'± LT TO "SA" 813+32.41, 69.7'± LT	CONSTRUCT TYPE 5 CONCRETE CURB AND GUTTER PER NDOT STD. R-5.1.1.
	"SA" 813+81.83, 60.1'± LT TO "SA" 813+72.03, 73.5'± LT	
	"SA" 817+71.14, 60.5'± LT TO "SA" 817+80.48, 70.8'± LT	
	"SA" 818+18.03, 70.8'± LT TO "SA" 817+27.04, 60.6'± LT	
	"SA" 819+38.83, 60.5'± LT TO "SA" 819+48.38, 74.7'± LT	
(4)	"SA" 808+46.00, 60.4'± LT TO "SA" 808+68.89, 60.5'± LT	CONSTRUCT CONCRETE SIDEWALK PER NDOT STD. R-5.2.
	"SA" 808+98.55, 60.5'± LT TO "SA" 809+17.13, 60.5'± LT	
	"SA" 809+41.00, 60.5'± LT TO "SA" 809+67.56, 60.5'± LT	
	"SA" 809+98.64, 60.5'± LT TO "SA" 810+09.88, 60.5'± LT	
	"SA" 810+43.51, 60.5'± LT TO "SA" 810+66.08, 60.7'± LT	
	"SA" 811+36.00, 60.2'± LT TO "SA" 811+64.28, 60.5'± LT	
	"SA" 812+10.47, 60.5'± LT TO "SA" 812+32.37, 60.5'± LT	
	"SA" 812+57.74, 60.5'± LT TO "SA" 812+85.32, 60.6'± LT	
	"SA" 813+09.99, 60.5'± LT TO "SA" 813+33.64, 73.1'± LT	
	"SA" 813+72.19, 76.7'± LT TO "SA" 813+88.00, 60.4'± LT	
	"SA" 814+19.09, 60.4'± LT TO "SA" 814+27.99, 60.4'± LT	
	"SA" 814+61.00, 60.4'± LT TO "SA" 814+87.00, 60.4'± LT	
	"SA" 815+29.00, 60.4'± LT TO "SA" 815+51.00, 60.4'± LT	
	"SA" 815+84.05, 60.4'± LT TO "SA" 815+92.00, 60.4'± LT	
	"SA" 816+30.47, 60.4'± LT TO "SA" 816+49.93, 60.4'± LT	
	"SA" 816+91.00, 60.4'± LT TO "SA" 816+95.25, 60.4'± LT	
	"SA" 817+22.93, 60.4'± LT TO "SA" 817+30.00, 60.4'± LT	
	"SA" 817+64.00, 60.4'± LT TO "SA" 817+80.60, 72.1'± LT	
	"SA" 818+18.18, 73.1'± LT TO "SA" 819+00.00, 60.8'± LT	
	"SA" 819+55.00, 60.8± LT TO "SA" 820+00.00, 60.7'± LT	
	"SA" 808+00.00, 60.7'± RT TO "SA" 810+63.69, 60.5'± RT	
	"SA" 810+99.84, 60.5'± RT TO "SA" 811+11.70, 60.5'± RT	
	"SA" 811+38.94, 60.5'± RT TO "SA" 813+06.75, 61.2'± RT	
	"SA" 814+22.47, 60.6'± RT TO "SA" 814+35.00, 60.5'± RT	
	"SA" 814+72.00, 60.5'± RT TO "SA" 815+50.00, 60.5'± RT	
	"SA" 816+05.00, 60.5'± RT TO "SA" 817+63.00, 60.5'± RT	
	"SA" 818+08.00, 60.5'± RT TO "SA" 818+17.00, 60.5'± RT	
	"SA" 818+59.00, 60.5'± RT TO "SA" 818+75.00, 60.5'± RT	
	"SA" 819+17.50, 60.5'± RT TO "SA" 819+48.38, 74.7'± RT	
(6)	"SA" 810+55.00, 12.00' RT TO "SA" 811+44.00, 12.00' LT TO "SA" 810+55.00, 12.00' RT	CONSTRUCT TYPE B GLUE DOWN CURB PER NDOT STD. R-5.1.1.
	"SA" 818+15.00, 12.86' RT TO "SA" 817+51.00, 12.86' RT TO "SA" 818+15.00, 12.81' LT	
(10)	"SA" 810+55.00, 12.00' RT TO "SA" 811+44.00, 12.00' LT TO "SA" 810+55.00, 12.00' RT	CONSTRUCT 4-INCH P.C.C. ISLAND PAVING PER NDOT STD. R-5.2.3.
	"SA" 818+15.00, 12.86' RT TO "SA" 817+51.00, 12.86' RT TO "SA" 818+15.00, 12.81' LT	
(12)	"SA" 815+50.00, 60.5'± RT TO "SA" 816+05.00, 60.5'± RT	CONSTRUCT SPECIAL 10-INCH CONCRETE CURB AND GUTTER PER DETAIL "A" (SEE SHEET SD-2). TRANSITION BOTH ENDS TO MATCH EXISTING PER DETAIL "C" (SEE SHEET SD-3).
	"SA" 819+00.00, 60.8'± LT TO "SA" 819+55.00, 60.8'± LT	
(13)	"SA" 815+20.00, 47.5'± RT TO "SA" 816+20.00, 47.5'± RT	CONSTRUCT PCCP FOR BUS PLATFORM (SEE TYPICAL SECTIONS).
	"SA" 818+85.00, 46.9'± LT TO "SA" 819+85.00, 46.9'± LT	
(17)	"SA" 808+68.89, 60.5'± LT TO "SA" 808+98.55, 60.5'± LT	CONSTRUCT SINGLE FAMILY DRIVEWAY PER DETAIL "I" (SEE SHEET SD-5) AND CONSTRUCT ASSOCIATED CONCRETE TYPE 5 CURB AND GUTTER PER NDOT STD. R-5.1.1.
	"SA" 809+17.13, 60.5'± LT TO "SA" 809+41.00, 60.5'± LT	
	"SA" 809+67.56, 60.5'± LT TO "SA" 809+98.64, 60.5'± LT	
	"SA" 810+09.88, 60.5'± LT TO "SA" 810+43.51, 60.5'± LT	
	"SA" 811+64.28, 60.5'± LT TO "SA" 812+10.47, 60.5'± LT	
	"SA" 812+32.37, 60.5'± LT TO "SA" 812+57.74, 60.5'± LT	
	"SA" 812+85.32, 60.6'± LT TO "SA" 813+09.99, 60.5'± LT	
	"SA" 813+88.00, 60.4'± LT TO "SA" 814+19.09, 60.4'± LT	
	"SA" 814+27.99, 60.4'± LT TO "SA" 814+61.00, 60.4'± LT	
	"SA" 814+87.00, 60.4'± LT TO "SA" 815+29.00, 60.4'± LT	
	"SA" 815+51.00, 60.4'± LT TO "SA" 815+84.05, 60.4'± LT	
	"SA" 815+92.00, 60.4'± LT TO "SA" 816+30.47, 60.4'± LT	
	"SA" 816+49.93, 60.4'± LT TO "SA" 816+91.00, 60.4'± LT	
	"SA" 816+95.25, 60.4'± LT TO "SA" 817+22.93, 60.4'± LT	
	"SA" 817+30.00, 60.4'± LT TO "SA" 817+64.00, 60.4'± LT	
	"SA" 810+63.69, 60.5'± RT TO "SA" 810+99.84, 60.5'± RT	
	"SA" 811+11.70, 60.5'± RT TO "SA" 811+38.94, 60.5'± RT	
	"SA" 814+35.00, 60.5'± RT TO "SA" 814+72.00, 60.5'± RT	
	"SA" 817+63.00, 60.5'± RT TO "SA" 818+08.00, 60.5'± RT	
	"SA" 818+17.00, 60.5'± RT TO "SA" 818+59.00, 60.5'± RT	
	"SA" 818+75.00, 60.5'± RT TO "SA" 819+17.50, 60.5'± RT	
(22)	"SA" 813+28.42, 64.6'± LT A = 6.5', B = 4.5'	CONSTRUCT SIDEWALK RAMP CASE II PER USDCCA DWG. NO. 235.
	"SA" 813+74.75, 65.1'± LT A = 6.5', B = 6.5'	
	"SA" 817+78.22, 64.8'± LT A = 6.5', B = 4.5'	
	"SA" 818+20.83, 63.8'± RT A = 5.5', B = 5.5'	
	"SA" 819+44.75, 63.6'± RT A = 5.5', B = 5.5'	
(26D)	"SA" 808+29.18, 77.7'± LT A = 8.0', B = 8.0'	RECONSTRUCT TYPE D CURB RAMP PER NDOT STD. R-5.2.2.
	"SA" 810+79.70, 64.6'± LT A = 8.0', B = 8.0'	
	"SA" 811+22.51, 63.3'± LT A = 8.0', B = 8.0'	
	"SA" 813+18.12, 67.4'± RT A = 8.0', B = 8.0'	
	"SA" 813+93.65, 70.4'± RT A = 7.0', B = 7.0'	
	"SA" 814+12.43, 60.0'± RT A = 7.0', B = 7.0'	
	"SA" 819+90.51, 66.5'± RT A = 8.0', B = 8.0'	
(29)	"SA" 819+00.00, 60.8'± LT TO "SA" 819+55.00, 60.8'± LT	CONSTRUCT CONCRETE BUS SHELTER PAD PER USDCCA DWG. NO. 234.2. SEE SHEET SD-14 FOR SHELTER CLASSIFICATION TABLE.
	"SA" 815+50.00, 60.5'± RT TO "SA" 816+05.00, 60.5'± RT	
(32)	"SA" 810+45.00, 01.1'± LT TO "SA" 810+62.00, 08.9'± LT	CONSTRUCT TYPE 4 CONCRETE CURB AND GUTTER PER NDOT STD. R-5.1.1.
	"SA" 818+25.00, 11.31' LT TO "SA" 820+00.00, 11.31' LT	
	"SA" 818+25.00, 11.36' RT TO "SA" 818+48.00, 11.4'± RT	
(36)	"SA" 818+15.00, 11.31' LT TO "SA" 818+25.00, 11.31' LT	CONSTRUCT CURB AND GUTTER (TYPE 4) TO GLUE DOWN CURB (TYPE B) TRANSITION PER DETAIL "F" (SEE SHEET SD-3).
	"SA" 818+15.00, 11.36' RT TO "SA" 818+25.00, 11.36' RT	
(38)	"SA" 809+04, 64.5± LT "SA" 809+53, 60.5± LT "SA" 810+54, 60.5± LT "SA" 811+59, 64.5± LT "SA" 812+74, 60.5± LT "SA" 818+74, 64.5± LT "SA" 819+90, 60.8± LT "SA" 808+33, 60.6± RT "SA" 808+78, 60.6± RT "SA" 809+49, 60.6± RT "SA" 809+86, 60.6± RT "SA" 810+47, 60.6± RT "SA" 811+92, 60.6± RT "SA" 812+43, 60.6± RT "SA" 812+80, 65.0± RT "SA" 814+84, 60.5± RT "SA" 815+29, 60.5± RT "SA" 816+24, 60.5± RT "SA" 816+71, 60.5± RT "SA" 817+03, 60.5± RT	CONSTRUCT TREE WELL PER DETAIL ON SHEET SD-1.

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

NOTE:

1. FOR CONSTRUCTION PLAN SEE SHEET C-39.

REV. NO.	DATE	DESCRIPTION	APPROVED
A	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

CONSTRUCTION ITEMS

"SA" 808+00 to "SA" 820+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: JPL CHECKED BY: KK
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

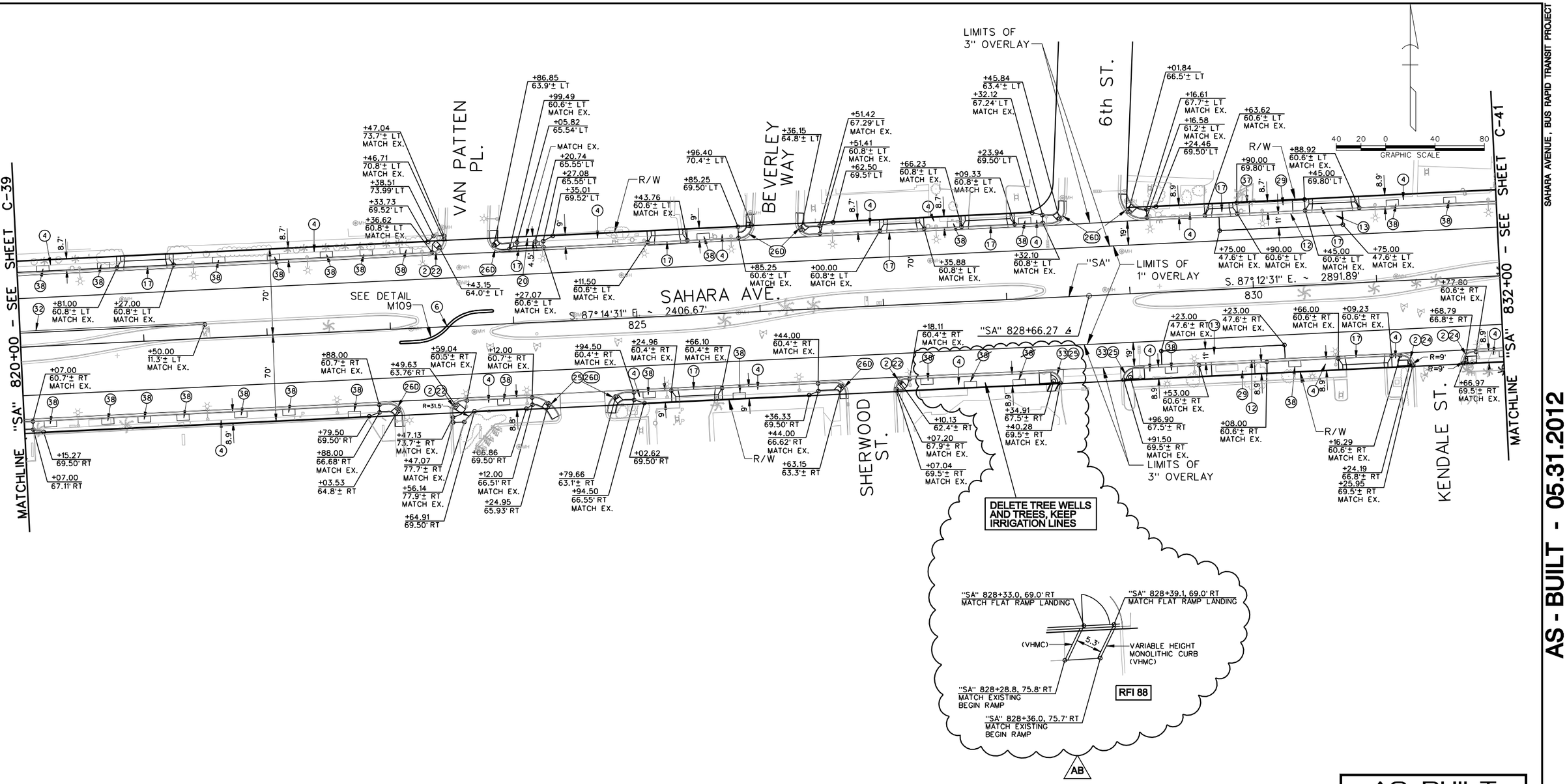
SCALE
HORIZ: NONE
VERT: NONE
FIELD BOOK: NONE

SHEET No. C-39A

AS - BUILT - 05.31.2012

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

CB1083_SaharaBRT-Tblk.dgn
P:\RTCSNV\CB1083 Sahara Ave BRT Project\As-Built Plans\sheets\CB1083_SaharaBRT-C039A.dgn - 4/30/2012 - 16:48:08 JPS



AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

NOTE:

1. FOR CONSTRUCTION ITEMS SEE SHEET C-40A.
2. FOR MEDIAN ISLAND GEOMETRICS NOT SHOWN SEE SHEET SD-12.

Call 811 or 1-800-227-2600 — FAST Call before you UnderGround 1-702-432-5300 — Call before you OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

CONSTRUCTION PLAN

"SA" 820+00 to "SA" 832+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: JPL CHECKED BY: KK
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ : AS SHOWN
VERT : NONE
FIELD BOOK : NONE

SHEET No. C-40

Sheet 119 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

CONSTRUCTION ITEMS:

(2)	"SA" 823+36.62, 60.8'± LT TO "SA" 823+46.71, 70.8'± LT	CONSTRUCT TYPE 5 CONCRETE CURB AND GUTTER PER NDOT STD. R-5.1.1.
	"SA" 823+47.13, 73.7'± RT TO "SA" 823+59.04, 60.5'± RT	
	"SA" 827+07.20, 67.9'± RT TO "SA" 827+18.11, 60.4'± RT	
	"SA" 831+16.29, 60.6'± RT TO "SA" 831+25.95, 69.5'± RT	
	"SA" 831+66.97, 69.5'± RT TO "SA" 831+77.80, 60.6'± RT	
(4)	"SA" 820+00.00, 60.8'± LT TO "SA" 820+81.00, 60.8'± LT	CONSTRUCT CONCRETE SIDEWALK PER NDOT STD. R-5.2.
	"SA" 821+27.00, 60.8'± LT TO "SA" 823+47.04, 73.7'± LT	
	"SA" 824+27.07, 60.6'± LT TO "SA" 825+11.50, 60.6'± LT	
	"SA" 825+43.76, 60.6'± LT TO "SA" 825+85.25, 60.6'± LT	
	"SA" 826+51.41, 60.8'± LT TO "SA" 827+00.00, 60.8'± LT	
	"SA" 827+35.88, 60.8'± LT TO "SA" 827+66.23, 60.8'± LT	
	"SA" 828+09.33, 60.8'± LT TO "SA" 828+32.10, 60.8'± LT	
	"SA" 829+16.58, 61.2'± LT TO "SA" 829+63.62, 60.6'± LT	
	"SA" 830+88.92, 60.6'± LT TO "SA" 832+00.00, 60.6'± LT	
	"SA" 820+07.00, 60.7'± RT TO "SA" 822+88.00, 60.7'± RT	
	"SA" 823+47.07, 77.7'± RT TO "SA" 824+12.00, 60.7'± RT	
	"SA" 824+94.50, 60.4'± RT TO "SA" 825+24.96, 60.4'± RT	
	"SA" 825+66.10, 60.4'± RT TO "SA" 826+44.00, 60.4'± RT	
	"SA" 827+07.04, 69.5'± RT TO "SA" 828+40.28, 69.5'± RT	
	"SA" 828+91.50, 69.5'± RT TO "SA" 829+53.00, 60.6'± RT	
	"SA" 830+08.00, 60.6'± RT TO "SA" 830+66.00, 60.6'± RT	
	"SA" 831+09.23, 60.6'± RT TO "SA" 831+25.95, 69.5'± RT	
	"SA" 831+66.97, 69.5'± RT TO "SA" 832+00.00, 60.6'± RT	
(6)	"SA" 823+08.00, 12.00' RT TO "SA" 823+83.00, 12.00' LT TO "SA" 823+08.00, 12.00' RT	CONSTRUCT TYPE B GLUE DOWN CURB PER NDOT STD. R-5.1.1.
(12)	"SA" 829+90.00, 60.6'± LT TO "SA" 830+45.00, 60.6'± LT	CONSTRUCT SPECIAL 10-INCH CONCRETE CURB AND GUTTER PER DETAIL "A" (SEE SHEET SD-2). TRANSITION BOTH ENDS TO MATCH EXISTING PER DETAIL "C" (SEE SHEET SD-3).
	"SA" 829+53.00, 60.6'± RT TO "SA" 830+08.00, 60.6'± RT	
(13)	"SA" 829+75.00, 47.6'± LT TO "SA" 830+75.00, 47.6'± LT	CONSTRUCT PCCP FOR BUS PLATFORM (SEE TYPICAL SECTIONS).
	"SA" 829+23.00, 47.6'± RT TO "SA" 830+23.00, 47.6'± RT	
(17)	"SA" 820+81.00, 60.8'± LT TO "SA" 821+27.00, 60.8'± LT	CONSTRUCT SINGLE FAMILY DRIVEWAY PER DETAIL "I" (SEE SHEET SD-5) AND CONSTRUCT ASSOCIATED CONCRETE TYPE 5 CURB AND GUTTER PER NDOT STD. R-5.1.1.
	"SA" 823+99.49, 60.6'± LT TO "SA" 824+27.07, 60.6'± LT	
	"SA" 825+11.50, 60.6'± LT TO "SA" 825+43.76, 60.6'± LT	
	"SA" 827+00.00, 60.8'± LT TO "SA" 827+35.88, 60.8'± LT	
	"SA" 827+66.23, 60.8'± LT TO "SA" 828+09.33, 60.8'± LT	
	"SA" 829+63.62, 60.6'± LT TO "SA" 829+90.00, 60.6'± LT	
	"SA" 830+45.00, 60.6'± LT TO "SA" 830+88.92, 60.6'± LT	
	"SA" 825+24.96, 60.4'± RT TO "SA" 825+66.10, 60.4'± RT	
	"SA" 830+66.00, 60.6'± RT TO "SA" 831+09.23, 60.6'± RT	
(20)	"SA" 824+05.82, 65.54' LT TO "SA" 824+20.74, 65.55' LT	CONSTRUCT NEW PAVEMENT STRUCTURAL SECTION 2 (SEE SHEET TY-6).
(22)	"SA" 823+43.15, 64.0'± LT A = 5.5', B = 5.5'	CONSTRUCT TYPE A CURB RAMP PER NDOT STD. R-5.2.1.
	"SA" 823+49.63, 63.8'± RT A = 8.0', B = 8.0'	
	"SA" 826+10.13, 62.4'± RT A = 8.0', B = 8.0'	
(24)	"SA" 831+24.19, 66.8'± RT A=10.0'	CONSTRUCT TYPE E CURB RAMP PER NDOT STD. R-5.3.3.
	"SA" 831+68.79, 66.8'± RT A=9.0'	
(25)	"SA" 824+24.95, 65.9'± RT "SA" 824+79.66, 63.1'± RT "SA" 828+34.91, 67.5'± RT "SA" 828+96.90, 67.5'± RT	RECONSTRUCT CROSS GUTTER SPANDREL PER DETAIL "H" (SEE SHEET SD-4).
(26D)	"SA" 823+03.53, 64.8'± RT A = 8.0', B = 8.0'	RECONSTRUCT TYPE D CURB RAMP PER NDOT STD. R-5.2.2.
	"SA" 823+86.85, 63.9'± LT A = 7.0', B = 7.0'	
	"SA" 824+24.95, 65.9'± RT A = 8.0', B = 8.0'	
	"SA" 824+79.66, 63.1'± RT A = 8.0' B = 8.0'	
	"SA" 825+96.40, 70.4'± LT A = 8.0', B = 8.0'	
	"SA" 826+36.15, 64.8'± LT A = 8.0', B = 8.0'	
	"SA" 826+63.15, 63.3'± RT A = 8.0', B = 8.0'	
	"SA" 828+45.84, 63.4'± LT A = 8.0', B = 8.0'	
	"SA" 829+01.84, 66.5'± LT A = 8.0', B = 8.0'	
(29)	"SA" 829+90.00, 60.6'± LT TO "SA" 830+45.00, 60.6'± LT	CONSTRUCT CONCRETE BUS SHELTER PAD PER USDCCA DWG. NO. 234.2. SEE SHEET SD-14 FOR SHELTER CLASSIFICATION TABLE.
	"SA" 829+53.00, 60.6'± RT TO "SA" 830+08.00, 60.6'± RT	
(32)	"SA" 820+00.00, 11.3'± LT TO "SA" 821+50.00, 11.3'± LT	CONSTRUCT TYPE 4 CONCRETE CURB AND GUTTER PER NDOT STD. R-5.1.1.
(33)	"SA" 828+34.91, 67.5'± RT "SA" 828+96.90, 67.5'± RT	CONSTRUCT MODIFIED TYPE E CURB RAMP PER DETAIL "N" (SEE SHEET SD-8).
(37)	"SA" 829+90.00, 69.80' LT TO "SA" 830+45.00, 69.80' LT	CONSTRUCT SPECIAL SIDEWALK RETAINING CURB PER DETAIL "L1" (SEE SHEET SD-7).
(38)	"SA" 820+21, 60.6'± LT "SA" 820+70, 60.6'± LT "SA" 821+64, 60.6'± LT "SA" 822+08, 60.6'± LT "SA" 822+50, 60.6'± LT "SA" 822+83, 60.6'± LT "SA" 823+16, 60.6'± LT	CONSTRUCT TREE WELL PER DETAIL ON SHEET SD-1.
	"SA" 825+57, 60.6'± LT "SA" 827+60, 60.8'± LT "SA" 828+18, 60.8'± LT	
	"SA" 831+16, 60.6'± LT "SA" 831+62, 60.6'± LT "SA" 820+21, 60.7'± RT "SA" 820+68, 60.7'± RT "SA" 820+97, 60.7'± RT "SA" 821+29, 60.7'± RT "SA" 821+76, 60.7'± RT "SA" 822+45, 60.7'± RT "SA" 822+68, 65.1'± RT "SA" 823+89, 60.6'± RT "SA" 825+07, 60.4'± RT "SA" 825+80, 64.4'± RT	
	"SA" 827+32, 60.6'± RT "SA" 827+70, 64.8'± RT "SA" 828+07, 64.8'± RT "SA" 829+31, 60.6'± RT "SA" 830+31, 60.6'± RT	

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

NOTE:

1. FOR CONSTRUCTION PLAN SEE SHEET C-40.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

CONSTRUCTION NOTES

"SA" 820+00 to "SA" 832+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: JPL CHECKED BY: KK
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-8632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. C-40A

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT
AS - BUILT - 05.31.2012

CONSTRUCTION ITEMS:

(2) "SA" 837+50.25, 60.6'± LT TO "SA" 837+60.31, 71.6'± LT — CONSTRUCT TYPE 5 CONCRETE CURB AND GUTTER PER NDOT STD. R-5.1.1.

"SA" 837+90.97, 73.7'± LT TO "SA" 838+05.59, 60.5'± LT

"SA" 839+73.18, 60.3'± LT TO "SA" 839+89.83, 72.8'± LT

"SA" 840+22.33, 81.5'± LT TO "SA" 840+39.15, 60.9'± LT

"SA" 834+08.37, 60.7'± RT TO "SA" 834+18.05, 69.5'± RT

(2) "SA" 834+83.26, 60.6'± RT TO "SA" 834+83.26, 68.00' RT — CONSTRUCT TYPE 5 CONCRETE CURB AND GUTTER PER NDOT STD. R-5.1.1.

"SA" 838+22.00, 60.6'± RT TO "SA" 838+70.00, 60.6'± RT

"SA" 840+59.56, 60.6'± RT TO "SA" 840+59.56, 68.00' RT

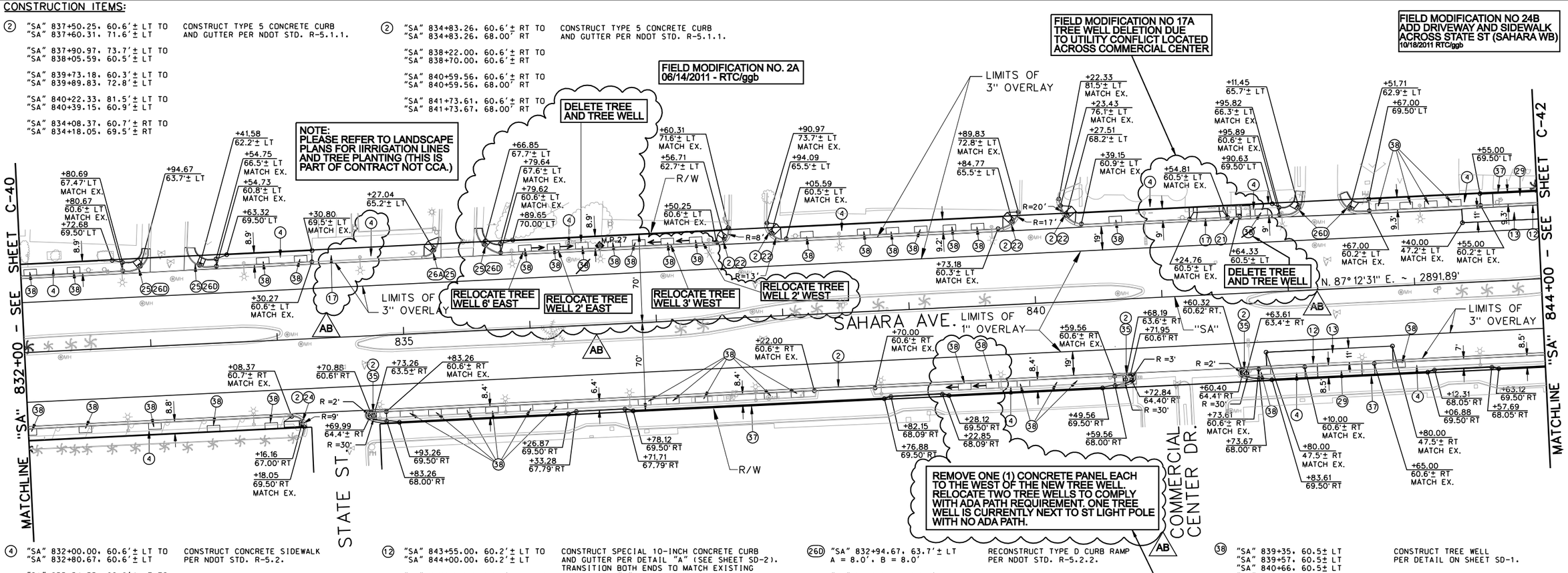
"SA" 841+73.61, 60.6'± RT TO "SA" 841+73.67, 68.00' RT

NOTE:
PLEASE REFER TO LANDSCAPE PLANS FOR IIRRIGATION LINES AND TREE PLANTING (THIS IS PART OF CONTRACT NOT CCA.)

FIELD MODIFICATION NO. 2A
06/14/2011 - RTC/ggb

FIELD MODIFICATION NO 17A
TREE WELL DELETION DUE TO UTILITY CONFLICT LOCATED ACROSS COMMERCIAL CENTER

FIELD MODIFICATION NO 24B
ADD DRIVEWAY AND SIDEWALK ACROSS STATE ST (SAHARA WB)
10/18/2011 RTC/ggb



REMOVE ONE (1) CONCRETE PANEL EACH TO THE WEST OF THE NEW TREE WELL. RELOCATE TWO TREE WELLS TO COMPLY WITH ADA PATH REQUIREMENT. ONE TREE WELL IS CURRENTLY NEXT TO ST LIGHT POLE WITH NO ADA PATH.

FIELD MODIFICATION NO. 8
06/14/2011 - RTC/ggb

DELETE TREE WELL AT STA 841+89

(4) "SA" 832+00.00, 60.6'± LT TO "SA" 832+80.67, 60.6'± LT — CONSTRUCT CONCRETE SIDEWALK PER NDOT STD. R-5.2.

"SA" 833+54.73, 60.8'± LT TO "SA" 834+30.27, 60.6'± LT

"SA" 835+79.62, 60.6'± LT TO "SA" 837+60.31, 71.6'± LT

"SA" 837+90.97, 73.7'± LT TO "SA" 839+89.83, 72.8'± LT

"SA" 840+23.43, 76.1'± LT TO "SA" 841+24.76, 60.5'± LT

"SA" 841+54.81, 60.5'± LT TO "SA" 841+95.89, 60.6'± LT

"SA" 842+67.00, 60.2'± LT TO "SA" 843+55.00, 60.2'± LT

"SA" 832+00.00, 60.6'± RT TO "SA" 834+18.05, 69.5'± RT

"SA" 834+69.99, 64.41' RT TO "SA" 840+72.84, 64.41' RT

"SA" 841+60.40, 64.41' RT TO "SA" 842+10.00, 60.6'± RT

"SA" 842+65.00, 60.6'± RT TO "SA" 844+00.00, 60.6'± RT

AB "SA" 834+60.80, 60.6' ± LT TO "SA" 835+27.04, 60.6' ± LT — REMOVE AND REPLACED EXISTING 6' WIDE SIDEWALK ONLY

(12) "SA" 843+55.00, 60.2'± LT TO "SA" 844+00.00, 60.2'± LT — CONSTRUCT SPECIAL 10-INCH CONCRETE CURB AND GUTTER PER DETAIL "A" (SEE SHEET SD-2). TRANSITION BOTH ENDS TO MATCH EXISTING PER DETAIL "C" (SEE SHEET SD-3).

"SA" 842+10.00, 60.6'± RT TO "SA" 842+65.00, 60.6'± RT

(13) "SA" 843+40.00, 47.2'± LT TO "SA" 844+00.00, 47.2'± LT — CONSTRUCT PCCP FOR BUS PLATFORM (SEE TYPICAL SECTIONS).

"SA" 841+80.00, 47.5'± RT TO "SA" 842+80.00, 47.5'± RT

(17) "SA" 841+24.76, 60.5'± LT TO "SA" 841+54.81, 60.5'± LT — CONSTRUCT SINGLE FAMILY DRIVEWAY PER DETAIL "I" (SEE SHEET SD-5) AND CONSTRUCT ASSOCIATED CONCRETE TYPE 5 CURB AND GUTTER PER NDOT STD. R-5.1.1.

AB "SA" 834+30.80 TO "SA" 834+60.80

(21) "SA" 841+64.33, 60.5'± LT, A=7.0', B=7.0' — CONSTRUCT SIDEWALK RAMP CASE I PER USDCCA DWG. NO. 235.

(22) "SA" 837+56.71, 62.7'± LT, A = 6.5', B = 6.5' — CONSTRUCT TYPE A CURB RAMP PER NDOT STD. R-5.2.1.

"SA" 837+94.09, 65.5'± LT, A = 6.5', B = 6.5'

"SA" 839+84.77, 65.5'± LT, A = 6.5', B = 6.5'

"SA" 840+27.51, 68.2'± LT, A = 6.5', B = 6.5'

(24) "SA" 834+16.16, 67.00' RT, A=14.0' — CONSTRUCT TYPE E CURB RAMP PER NDOT STD. R-5.3.3.

(25) "SA" 832+94.67, 63.7'± LT; "SA" 833+41.58, 62.2'± LT; "SA" 835+27.04, 65.2'± LT; "SA" 835+66.85, 67.7'± LT — RECONSTRUCT CROSS GUTTER SPANDREL PER DETAIL "H" (SEE SHEET SD-4).

(26A) "SA" 835+27.04, 65.2'± LT, A = 6.5', B = 6.5' — RECONSTRUCT TYPE A CURB RAMP PER NDOT STD. R-5.2.1.

(26D) "SA" 832+94.67, 63.7'± LT, A = 8.0', B = 8.0' — RECONSTRUCT TYPE D CURB RAMP PER NDOT STD. R-5.2.2.

"SA" 833+41.58, 62.2'± LT, A = 8.0', B = 8.0'.

"SA" 835+66.85, 67.7'± LT, A = 8.0', B = 8.0'.

"SA" 842+11.45, 65.7'± LT, A = 8.0', B = 8.0' LT

"SA" 842+51.71, 62.9'± LT, A = 8.0', B = 8.0'.

(29) "SA" 843+55.00, 60.2'± LT TO "SA" 844+00.00, 60.2'± LT — CONSTRUCT CONCRETE BUS SHELTER PAD PER USDCCA DWG. NO. 234.2. SEE SHEET SD-14 FOR SHELTER CLASSIFICATION TABLE.

"SA" 842+10.00, 60.6'± RT TO "SA" 842+65.00, 60.6'± RT

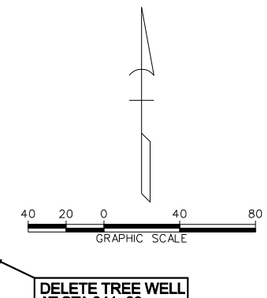
(35) "SA" 834+73.26, 63.5'± RT; "SA" 840+68.19, 63.6'± RT; "SA" 841+63.61, 63.4'± RT — CONSTRUCT SPECIAL SIDEWALK RAMP PER DETAIL "O" (SEE SHEET SD-8).

(37) "SA" 843+55.00, 69.50' LT TO "SA" 844+00.00, 69.50' LT — CONSTRUCT SPECIAL SIDEWALK RETAINING CURB PER DETAIL "L1" (SEE SHEET SD-7). TRANSITION BOTH ENDS TO MATCH CURB AND GUTTER PER DETAIL "C1" (SEE SHEET SD-3).

"SA" 834+93.26, 69.50' RT TO "SA" 840+49.56, 69.50' RT

"SA" 841+83.61, 69.50' RT TO "SA" 844+00.00, 69.50' RT

(38) "SA" 832+08, 60.6± LT; "SA" 832+42, 60.6± LT; "SA" 833+93, 60.8± LT; "SA" 834+22, 60.8± LT; "SA" 835+99, 60.6± LT; "SA" 836+22, 60.6± LT; "SA" 836+44, 60.6± LT; "SA" 836+69, 60.6± LT; "SA" 836+89, 60.6± LT; "SA" 837+17, 60.6± LT; "SA" 837+34, 60.6± LT; "SA" 838+22, 60.5± LT; "SA" 838+67, 60.5± LT; "SA" 838+90, 60.5± LT; "SA" 839+12, 60.5± LT; "SA" 839+35, 60.5± LT; "SA" 839+57, 60.5± LT; "SA" 840+66, 60.5± LT; "SA" 842+77, 60.2± LT; "SA" 842+96, 60.2± LT; "SA" 843+16, 60.2± LT; "SA" 841+82, 60.5± LT; "SA" 843+35, 60.2± LT; "SA" 832+01, 60.6± RT; "SA" 832+45, 60.6± RT; "SA" 833+00, 60.6± RT; "SA" 833+46, 64.9± RT; "SA" 833+92, 64.9± RT; "SA" 834+99, 60.6± RT; "SA" 835+22, 60.6± RT; "SA" 835+44, 60.6± RT; "SA" 835+67, 60.6± RT; "SA" 835+94, 60.6± RT; "SA" 836+22, 60.6± RT; "SA" 836+87, 60.6± RT; "SA" 837+10, 60.6± RT; "SA" 837+33, 60.6± RT; "SA" 837+87, 60.6± RT; "SA" 838+09, 60.6± RT; "SA" 839+87, 60.6± RT; "SA" 839+41, 60.6± RT; "SA" 839.63, 60.6± RT; "SA" 841+05, 60.6± RT; "SA" 842+84, 60.6± RT — CONSTRUCT TREE WELL PER DETAIL ON SHEET SD-1.



AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

AS - BUILT - 05.31.2012

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call 811 OR 1-800-227-2600

FAST — Call before you UnderGround 1-702-432-5300 — FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DIG OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

CONSTRUCTION PLAN

"SA" 832+00 to "SA" 844+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: JPL CHECKED BY: KK
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. C-41

AT LOCATIONS SA 844+32.01 64.2' LT 844+69.93 66.4' LT & 846+64.80 64.4' LT 847+00.07 64.9' LT WHERE CROSS GUTTERS AND SPANDRELS DO NOT EXIST CONSTRUCTION OF NEW CROSS GUTTER SPANDREL IS NOT REQUIRED

SKEW RAMP AT "SA" 844+32.01, 64.2' LT TO ACHIEVE A 4' CLEARANCE.

1. DELETE NOTE NO. 31
2. KEEP EXISTING PLANTER BOX AND ADJUST SIDEWALK WIDTH ACCORDINGLY AS LONG AS MINIMUN OF 5' WIDTH ADA PATH ALONG EX. PLANTER BOXES ARE MAINTAINED

MOVE TREE WELL 16' EAST

MOVE TREE WELL

DELETE TREE WELL/TREE

CONTRACTOR'S PROPOSED SUGGESTION TO SUBSTITUT NDOT TYPE"A" RAMP PER R-5.2.1 IS ACCEPTABLE.

CONSTRUCT NDOT TYPE"A" RAMP AT "SA" 846+65.80, 65.3' LT ORIENTED PARELLEL WITH SAHARA AVENUE. "A" = 7.5', "B" = 4.5'. RECONSTRUCT ADDITIONAL SIDEWALK TO MAINTAIN 4' CLEAR ADJACENT TO B RAMP.

CONSTRUCT NDOT TYPE"A" RAMP AT "SA" 846+99.70, 64.5' LT ORIENTED PARELLEL WITH SAHARA AVENUE. "A" = 5.5', "B" = 5.5'. RECONSTRUCT ADDITIONAL SIDEWALK TO MAINTAIN 4' CLEAR ADJACENT TO B RAMP.

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

NOTES:

1. FOR CONSTRUCTION ITEMS SEE SHEET C-42A.

Call 811 or 1-800-227-2600

FAST Call before you UnderGround 1-702-432-5300

CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

CONSTRUCTION PLAN

"SA" 844+00 to "SA" 856+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No:	CB 1083	DRAWN BY:	GFV
DESIGNED BY:	JPL	CHECKED BY:	KK
APPROVED BY	RJP		

THE Louis Berger Group, INC.

500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. C-42

Sheet 122 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

CONSTRUCTION ITEMS:

(2)	"SA" 847+36.93, 60.6'± RT TO "SA" 847+36.93, 68.0'± RT	CONSTRUCT TYPE 5 CONCRETE CURB AND GUTTER PER NDOT STD. R-5.1.1.
(4)	"SA" 844+10.00, 60.2'± LT TO "SA" 844+37.19, 71.5'± LT	CONSTRUCT CONCRETE SIDEWALK PER NDOT STD. R-5.2.
	"SA" 844+85.63, 60.6'± LT TO "SA" 846+47.39, 61.0'± LT	
	"SA" 847+14.85, 60.7'± LT TO "SA" 848+78.12, 62.0'± LT	
	"SA" 850+27.92, 60.6'± LT TO "SA" 851+24.73, 60.7'± LT	
	"SA" 851+93.14, 73.3'± LT TO "SA" 852+36.42, 60.3'± LT	
	"SA" 852+78.16, 60.3'± LT TO "SA" 853+23.97, 60.3'± LT	
	"SA" 854+55.03, 60.3'± LT TO "SA" 854+79.23, 60.3'± LT	
	"SA" 855+23.71, 60.3'± LT TO "SA" 855+77.56, 60.3'± LT	
	"SA" 844+00.00, 60.6'± RT TO "SA" 847+49.28, 60.61' RT	
	"SA" 848+66.72, 60.6'± RT TO "SA" 849+87.43, 60.6'± RT	
	"SA" 850+29.95, 60.6'± RT TO "SA" 850+66.53, 60.9'± RT	
	"SA" 851+48.40, 60.7'± RT TO "SA" 852+92.17, 61.3'± RT	
	"SA" 855+30.63, 60.7'± RT TO "SA" 856+00.00, 60.7'± RT	
	"SA" 853+60.42, 60.8'± RT TO "SA" 854+65.09, 62.3'± RT	
(12)	"SA" 844+00.00, 60.2'± LT TO "SA" 844+10.00, 60.2'± LT	CONSTRUCT SPECIAL 10-INCH CONCRETE CURB AND GUTTER PER DETAIL "A" (SEE SHEET SD-2). TRANSITION BOTH ENDS TO MATCH EXISTING
	"SA" 853+60.00, 60.3'± LT TO "SA" 854+15.00, 60.3'± LT	PER DETAIL "C" (SEE SHEET SD-3).
(13)	"SA" 844+00.00, 47.2'± LT TO "SA" 844+40.00, 47.2'± LT	CONSTRUCT PCCP FOR BUS PLATFORM (SEE TYPICAL SECTIONS).
	"SA" 853+43.00, 47.2'± LT TO "SA" 854+43.00, 47.2'± LT	
(17)	"SA" 852+36.42, 60.3'± LT TO "SA" 852+78.16, 60.3'± LT	CONSTRUCT SINGLE FAMILY DRIVEWAY PER DETAIL "I" (SEE SHEET SD-5) AND CONSTRUCT ASSOCIATED CONCRETE TYPE 5
	"SA" 853+23.97, 60.3'± LT TO "SA" 853+60.00, 60.3'± LT	CURB AND GUTTER PER NDOT STD. R-5.1.1.
	"SA" 854+15.00, 60.3'± LT TO "SA" 854+55.03, 60.3'± LT	
	"SA" 854+79.23, 60.3'± LT TO "SA" 855+23.71, 60.3'± LT	
	"SA" 855+77.56, 60.3'± LT TO "SA" 856+00.00, 60.3'± LT	
	"SA" 848+18.42, 60.6'± RT TO "SA" 848+66.72, 60.6'± RT	
	"SA" 849+87.43, 60.6'± RT TO "SA" 850+29.95, 60.6'± RT	
(20)	"SA" 848+24.75, 66.59' RT TO "SA" 848+60.39, 66.63' RT	CONSTRUCT PAVEMENT STRUCTURAL SECTION 2 (SEE SHEET TY-6)
(22)	"SA" 844+32.01, 64.2'± LT A = 5.5', B = 5.5'	CONSTRUCT TYPE A CURB RAMP PER NDOT STD. R-5.2.1.
	"SA" 851+99.34, 62.8'± LT A = 6.5', B = 4.5'	
(25)	"SA" 844+32.01, 64.2'± LT	RECONSTRUCT CROSS GUTTER SPANDREL PER DETAIL "H" (SEE SHEET SD-4).
	"SA" 844+69.93, 66.4'± LT	
	"SA" 846+64.80, 64.4'± LT	
	"SA" 847+00.07, 64.9'± LT	
	"SA" 848+88.37, 67.3'± LT	
	"SA" 849+30.16, 65.4'± LT	
	"SA" 850+80.13, 67.7'± RT	
	"SA" 851+32.47, 62.6'± RT	
	"SA" 851+40.40, 67.1'± LT	
	"SA" 851+99.34, 62.8'± LT	
	"SA" 853+01.06, 65.8'± RT	
	"SA" 853+50.77, 63.9'± RT	
	"SA" 854+73.93, 69.0'± RT	
	"SA" 855+21.74, 65.0'± RT	
(26A)	"SA" 849+30.16, 65.4'± LT A = 6.5', B = 6.5'	RECONSTRUCT TYPE A CURB RAMP PER NDOT STD. R-5.2.1.
(26D)	"SA" 844+69.93, 66.4'± LT A = 8.0', B = 8.0'	RECONSTRUCT TYPE D CURB RAMP PER NDOT STD. R-5.2.2.
	"SA" 846+64.80, 64.4'± LT A =8.0', B = 8.0'	
	"SA" 847+00.07, 64.9'± LT A = 8.0', B = 8.0'	
	"SA" 848+03.64, 66.3'± RT A =8.0', B = 8.0'	
	"SA" 848+88.37, 67.3'± LT A = 8.0', B = 8.0'	
	"SA" 850+80.13, 67.7'± RT A = 8.0', B = 8.0'	
	"SA" 851+32.47, 62.6'± RT A = 8.0', B = 8.0'	
	"SA" 851+40.40, 65.3'± LT A = 8.0', B = 8.0'	
	"SA" 853+01.06, 65.8' RT A = 8.0', B = 8.0'	
	"SA" 853+50.77, 63.9'± RT A = 8.0', B = 8.0'	
	"SA" 854+73.93, 69.0'± RT A = 8.0', B = 8.0'	
	"SA" 855+21.74, 65.0'± RT A = 8.0', B = 8.0'	
(29)	"SA" 853+60.00, 60.3'± LT TO "SA" 854+15.00, 60.3'± LT	CONSTRUCT CONCRETE BUS SHELTER PAD PER USDCCA DWG. NO. 234.2. SEE SHEET SD-14 FOR SHELTER CLASSIFICATION TABLE.
	"SA" 844+00.00, 60.2'± LT TO "SA" 844+10.00, 60.2'± LT	
(31)	"SA" 847+97.13, 68.8'± LT TO "SA" 848+18.36, 68.8'± LT	CONSTRUCT TYPE 2 CURB PER NDOT STD. R-5.1.1.
	"SA" 848+24.75, 66.59' RT TO "SA" 848+24.75, 70.0'± RT	
	"SA" 848+60.39, 66.63' RT TO "SA" 848+60.38, 70.0'± RT	
(35)	"SA" 847+45.55, 63.6'± RT	CONSTRUCT SPECIAL SIDEWALK RAMP PER DETAIL "O" (SEE SHEET SD-8).
(37)	"SA" 844+00.00, 69.50' LT TO "SA" 844+10.00, 69.50' LT	CONSTRUCT SPECIAL SIDEWALK RETAINING CURB PER DETAIL "L1" (SEE SHEET SD-7). TRANSITION BOTH ENDS TO MATCH CURB AND GUTTER PER
	"SA" 844+00.00, 69.50' RT TO "SA" 847+26.92, 69.50' RT	DETAIL "C1" (SEE SHEET SD-3).
(38)	"SA" 847+20, 60.8± LT	CONSTRUCT TREE WELL PER DETAIL ON SHEET SD-1.
	"SA" 848+10, 60.8± LT	
	"SA" 848+55, 60.8± LT	
	"SA" 850+48, 60.7± LT	
	"SA" 850+93, 60.7± LT	
	"SA" 854+67, 60.3± LT	
	"SA" 855+57, 60.3± LT	
	"SA" 844+12, 60.6± RT	
	"SA" 844+81, 60.6± RT	
	"SA" 845+02, 60.6± RT	
	"SA" 845+26, 60.6± RT	
	"SA" 845+48, 60.6± RT	
	"SA" 845+71, 60.6± RT	
	"SA" 845+93, 60.6± RT	
	"SA" 846+19, 60.6± RT	
	"SA" 846+40, 60.6± RT	
	"SA" 846+63, 60.6± RT	
	"SA" 848+84, 60.6± RT	
	"SA" 849+17, 60.6± RT	
	"SA" 849+56, 60.6± RT	
	"SA" 850+43, 60.6± RT	
	"SA" 851+60, 60.7± RT	
	"SA" 851+99, 60.7± RT	
	"SA" 852+44, 60.7± RT	
	"SA" 853+79, 60.5± RT	
	"SA" 854+24, 60.5± RT	
	"SA" 855+59, 60.7± RT	

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

NOTE:

1. FOR CONSTRUCTION ITEMS SEE SHEET C-42.

REV. NO.	DATE	DESCRIPTION	APPROVED
A	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

CONSTRUCTION NOTES

"SA" 844+00 to "SA" 856+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: JPL CHECKED BY: KK
APPROVED BY RJP

SCALE
HORIZ: NONE
VERT: NONE
FIELD BOOK: NONE

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-8632 • FAX (702) 736-0704

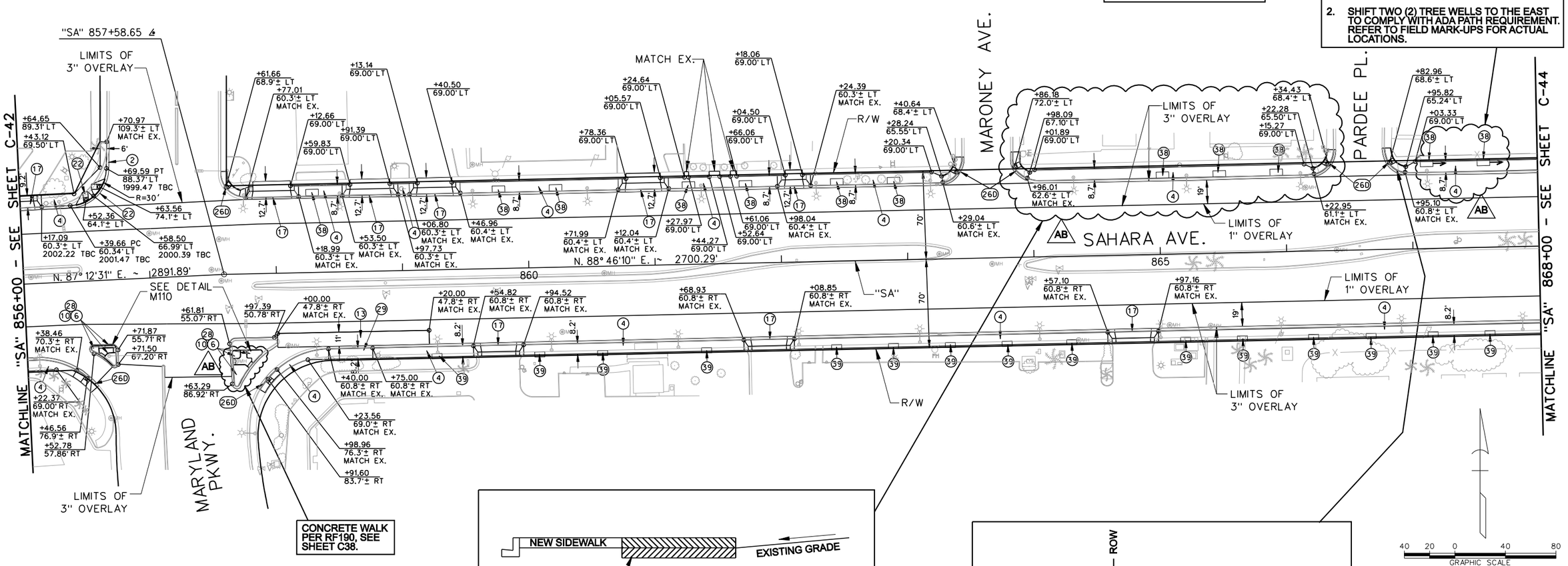
SHEET No. C-42A

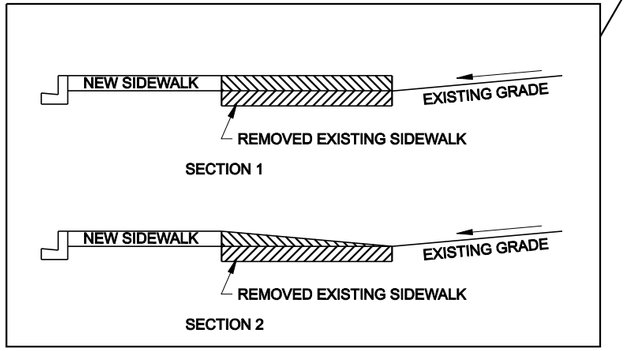
SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

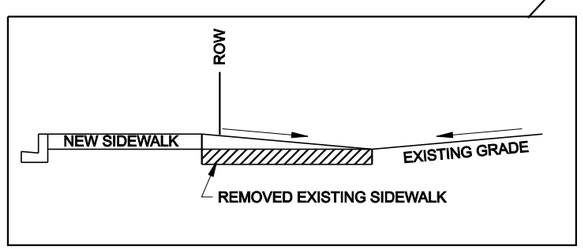
AS - BUILT - 05.31.2012

FIELD MODIFICATION NO 7A
THIS MEMO SUPERCEDES THE RESPONSE TO RFI NO. 055 DATED 06/09/11.

NOTE:
1. TREE WELLS SHALL BE INSTALLED AT THE BACK OF SIDEWALK PER ORIGINAL LOCATION (REFER TO SHEET C43 AND L1.15 DATED 2/11/11).
2. SHIFT TWO (2) TREE WELLS TO THE EAST TO COMPLY WITH ADA PATH REQUIREMENT. REFER TO FIELD MARK-UPS FOR ACTUAL LOCATIONS.







BY:
RTC/ggb - 06/14/2011

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

NOTE:
1. FOR CONSTRUCTION ITEMS SEE SHEET C-43A.
2. FOR MEDIAN ISLAND GEOMETRICS NOT SHOWN, SEE SHEET SD-12.

Call 811 or 1-800-227-2600
FAST Call before you UnderGround 1-702-432-5300
CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
CONSTRUCTION PLAN
"SA" 856+00 to "SA" 868+00
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: JPL CHECKED BY: KK
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. C-43

Sheet 124 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT
AS - BUILT - 05.31.2012

FIELD MODIFICATION NO 7B
THIS MEMO SUPERCEDES THE RESPONSE TO RFI NO. 055, DATED 06/09/11.

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

CONSTRUCTION ITEMS:

(2) "SA" 856+17.09, 60.3'± RT TO "SA" 856+70.97, 109.3'± RT — CONSTRUCT TYPE 5 CONCRETE CURB AND GUTTER PER NDOT STD. R-5.1.1.

(4) "SA" 856+17.09, 60.3'± LT TO "SA" 856+70.97, 109.3'± LT — CONSTRUCT CONCRETE SIDEWALK PER NDOT STD. R-5.2.

"SA" 858+18.99, 60.3'± LT TO "SA" 858+53.50, 60.3'± LT

"SA" 858+97.73, 60.3'± LT TO "SA" 859+06.80, 60.3'± LT

"SA" 859+46.96, 60.4'± LT TO "SA" 860+71.99, 60.4'± LT

"SA" 861+12.04, 60.4'± LT TO "SA" 861+98.04, 60.4'± LT

"SA" 862+24.39, 60.3'± LT TO "SA" 863+29.04, 60.6'± LT

"SA" 863+96.01, 62.6'± LT TO "SA" 866+22.95, 61.1'± LT

"SA" 866+95.10, 60.8'± LT TO "SA" 868+00.00, 60.3'± LT

"SA" 856+00.00, 60.7'± RT TO "SA" 856+38.46, 70.3'± RT

"SA" 857+98.96, 76.3'± RT TO "SA" 858+40.00, 60.8'± RT

"SA" 858+75.00, 60.8'± RT TO "SA" 859+54.82, 60.8'± RT

"SA" 859+94.52, 60.8'± RT TO "SA" 861+68.93, 60.8'± RT

"SA" 862+08.85, 60.8'± RT TO "SA" 864+57.10, 60.8'± RT

"SA" 864+97.16, 60.8'± RT TO "SA" 868+00.00, 60.8'± RT

(6) "SA" 856+51.78, 55.36' RT TO "SA" 856+56.70, 51.64' RT TO "SA" 856+51.78, 55.36' RT — CONSTRUCT TYPE B CONCRETE GLUE DOWN CURB PER NDOT STD. R-5.1.1.

"SA" 856+60.34, 61.36' RT TO "SA" 856+70.19, 57.68' RT TO "SA" 856+60.34, 61.36' RT

"SA" 856+62.74, 53.68' RT TO "SA" 856+68.22, 51.64' RT TO "SA" 856+62.74, 53.68' RT

"SA" 857+63.97, 66.79' RT TO "SA" 857+70.27, 60.34' RT TO "SA" 857+63.97, 66.79' RT

"SA" 857+64.93, 87.01' RT TO "SA" 857+77.01, 74.43' RT TO "SA" 857+64.93, 87.01' RT

"SA" 857+75.27, 65.12' RT TO "SA" 857+85.69, 60.34' RT TO "SA" 857+75.27, 65.12' RT

(10) "SA" 856+51.78, 55.36' RT TO "SA" 856+56.70, 51.64' RT — CONSTRUCT 4-INCH CONCRETE ISLAND PAVING PER NDOT STD. R-5.2.3.

"SA" 856+60.34, 61.36' RT TO "SA" 856+70.19, 57.68' RT

"SA" 856+61.78, 53.68' RT TO "SA" 856+68.22, 51.64' RT

"SA" 857+63.97, 66.79' RT TO "SA" 857+70.27, 60.34' RT

"SA" 857+64.93, 87.01' RT TO "SA" 857+77.01, 74.43' RT

"SA" 857+75.27, 65.12' RT TO "SA" 857+85.69, 60.34' RT

(13) "SA" 858+00.00, 47.8'± RT TO "SA" 859+20.00, 47.8'± RT — CONSTRUCT PCCP FOR BUS PLATFORM (SEE TYPICAL SECTIONS).

(17) "SA" 856+00.00, 60.3'± LT TO "SA" 856+17.09, 60.3'± LT — CONSTRUCT SINGLE FAMILY DRIVEWAY PER DETAIL "I" (SEE SHEET SD-5).

"SA" 857+77.01, 60.3'± LT TO "SA" 858+18.99, 60.3'± LT

"SA" 858+53.50, 60.3'± LT TO "SA" 858+97.73, 60.3'± LT

"SA" 859+06.80, 60.3'± LT TO "SA" 859+46.96, 60.4'± LT

"SA" 860+71.99, 60.4'± LT TO "SA" 861+12.04, 60.4'± LT

"SA" 861+98.04, 60.4'± LT TO "SA" 862+24.39, 60.3'± LT

"SA" 859+54.82, 60.8'± RT TO "SA" 859+94.52, 60.8'± RT

"SA" 861+68.93, 60.8'± RT TO "SA" 862+08.85, 60.8'± RT

"SA" 864+57.10, 60.8'± RT TO "SA" 864+97.16, 60.8'± RT

(22) "SA" 856+52.36, 64.1'± LT A=4.5', B=6.5' — CONSTRUCT TYPE A CURB RAMP PER NDOT STD. R-5.2.1.

"SA" 856+63.56, 74.1'± LT A=4.5', B=6.5'

(260) "SA" 857+61.66, 68.9'± LT A=8.0', B=8.0' — RECONSTRUCT TYPE D CURB RAMP PER NDOT STD. R-5.2.2.

"SA" 863+40.64, 68.4'± LT A=8.0', B=8.0'

"SA" 863+86.18, 72.0'± LT A=8.0', B=8.0'

"SA" 866+34.43, 68.4'± LT A=8.0', B=8.0'

"SA" 866+82.96, 68.6'± LT A=8.0', B=8.0'

"SA" 856+46.56, 76.9'± RT A=8.0', B=8.0'

"SA" 857+91.60, 83.7'± RT A=8.0', B=8.0'

(28) "SA" 856+52.78, 57.86' RT TO "SA" 856+71.50, 67.20' RT TO "SA" 856+71.87, 55.71' RT — CONSTRUCT NEW PAVEMENT STRUCTURAL SECTION 1 (SEE SHEET TY-6).

"SA" 857+61.81, 55.07' RT TO "SA" 857+63.29, 86.92' RT TO "SA" 857+97.39, 50.78' RT

(29) "SA" 858+40.00, 60.8'± RT TO "SA" 858+75.00, 60.8'± RT — CONSTRUCT CONCRETE BUS SHELTER PAD PER USDCCA DWG. NO. 234.2. SEE SHEET SD-14 FOR SHELTER CLASSIFICATION TABLE.

(38) "SA" 858+30, 60.3± LT
"SA" 859+77, 60.3± LT
"SA" 860+22, 60.3± LT
"SA" 861+28, 60.3± LT
"SA" 861+73, 60.3± LT
"SA" 862+45, 60.3± LT
"SA" 862+90, 60.3± LT
"SA" 865+03, 60.3± LT
"SA" 865+48, 60.3± LT
"SA" 865+93, 60.3± LT
~~"SA" 867+12, 64.5± LT~~
~~"SA" 867+57, 64.5± LT~~
— CONSTRUCT TREE WELL PER DETAIL ON SHEET SD-1.

AB

NOTE: RTC COMMENTS
RELOCATE TWO (2) TREE WELLS. (SEE FIELD MARKING FOR EXACT LOCATION. PROVIDE AS-BUILT DRAWINGS SHOWING THE EXACT LOCATIONS).

NOTE: RTC COMMENTS
RELOCATE TREE WELL AT APPROX. "SA" 867+90, WHICH WAS ORIGINALLY LOCATED AT 868+11 (REFER TO FIELD MARKING FOR EXACT LOCATION).

(39) "SA" 859+26, 69.0± RT
"SA" 860+07, 69.0± RT
"SA" 860+57, 69.0± RT
"SA" 861+39, 69.0± RT
"SA" 862+42, 69.0± RT
"SA" 862+87, 69.0± RT
"SA" 863+32, 69.0± RT
"SA" 863+77, 69.0± RT
"SA" 864+28, 69.0± RT
"SA" 865+19, 69.0± RT
"SA" 865+64, 69.0± RT
"SA" 866+20, 69.0± RT
"SA" 866+66, 69.0± RT
"SA" 867+15, 69.0± RT
"SA" 867+60, 69.0± RT
— CONSTRUCT TREE WELL WITH PLANTER BOX PER DETAIL ON SHEET SD-1.

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

NOTE:
1. FOR CONSTRUCTION PLAN SEE SHEET C-43.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

CONSTRUCTION NOTES

"SA" 856+00 to "SA" 868+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: JPL CHECKED BY: KK
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: NONE
VERT: NONE
FIELD BOOK: NONE

SHEET No. C-43A

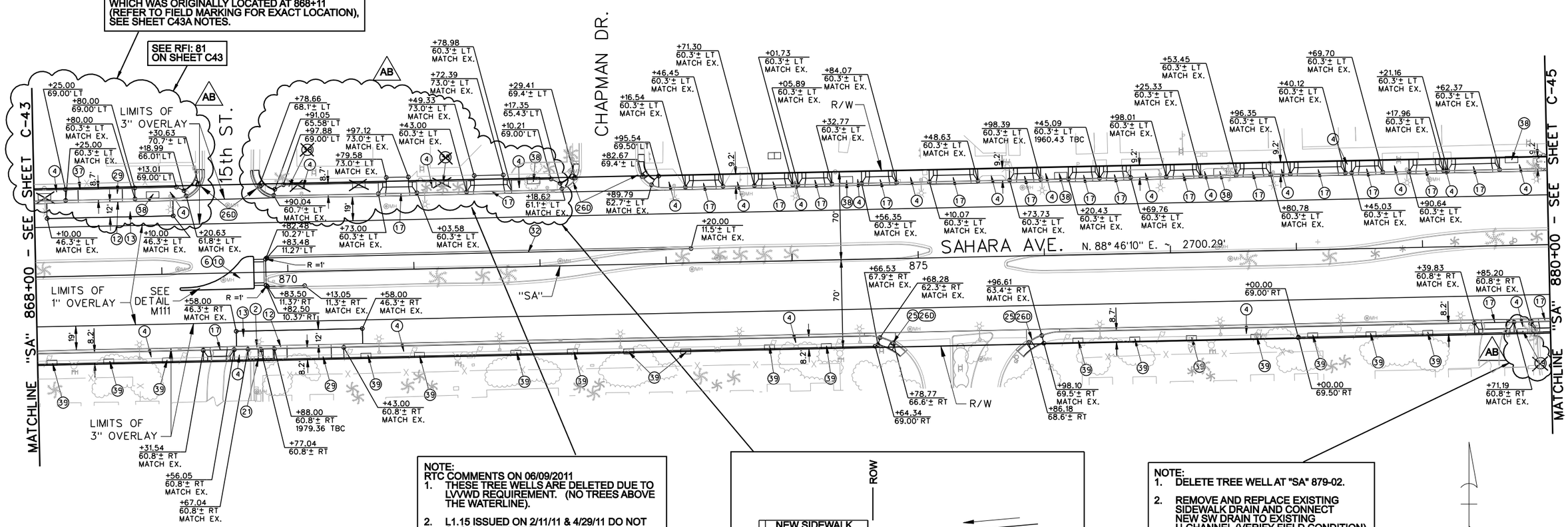
NOTE:
RTC COMMENT.
RELOCATE TREE WELL APPROX. "SA" 867+90, WHICH WAS ORIGINALLY LOCATED AT 868+11 (REFER TO FIELD MARKING FOR EXACT LOCATION), SEE SHEET C43A NOTES.

SEE RFI: 81 ON SHEET C43

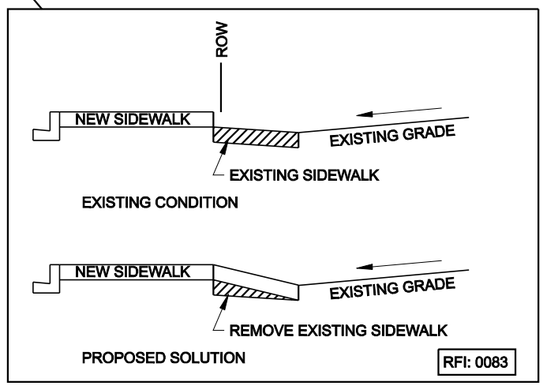
FIELD MODIFICATION NO 7C
THIS MEMO SUPERCEEDS THE RESPONSE TO RFI NO 055 DATED 06/09/2011.

NOTE:
REFER TO FIELD MARKING FOR EXACT LOCATION.

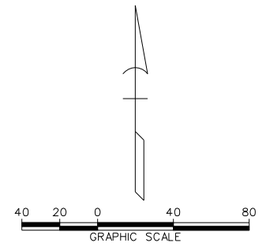
FIELD MODIFICATION NO 13A
TREE DELETION
07 / 27 / 2011 - RTC/ggb



NOTE:
RTC COMMENTS ON 06/09/2011
1. THESE TREE WELLS ARE DELETED DUE TO LVVWD REQUIREMENT. (NO TREES ABOVE THE WATERLINE).
2. L1.15 ISSUED ON 2/11/11 & 4/29/11 DO NOT SHOW ANY TREES.



NOTE:
1. DELETE TREE WELL AT "SA" 879-02.
2. REMOVE AND REPLACE EXISTING SIDEWALK DRAIN AND CONNECT NEW SW DRAIN TO EXISTING U-CHANNEL (VERIFY FIELD CONDITION) TO TIE-INS. - ggb7/27/11.



BY:
RTC/ggb - 06/14/2011

AS-BUILT
Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

NOTE:
1. FOR CONSTRUCTION ITEMS SEE SHEET C-44A.
2. FOR MEDIAN ISLAND GEOMETRICS NOT SHOWN, SEE SHEET SD-12.

Call 811 or 1-800-227-2600
FAST Call before you UnderGround 1-702-432-5300
CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
CONSTRUCTION PLAN
"SA" 868+00 to "SA" 880+00
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: JPL CHECKED BY: KK
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No.
C-44
Sheet 126 of 592

AS - BUILT - 05.31.2012
SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

CONSTRUCTION ITEMS:

(2)	"SA" 869+67.04, 60.8'± RT TO "SA" 869+88.00, 60.8'± RT	CONSTRUCT TYPE 5 CONCRETE CURB AND GUTTER PER NDOT STD. R-5.1.1.
(4)	"SA" 868+00.00, 60.3'± LT TO "SA" 868+25.00, 60.3'± LT	CONSTRUCT CONCRETE SIDEWALK PER NDOT STD. R-5.2.
	"SA" 868+80.00, 60.3'± LT TO "SA" 869+20.63, 61.8'± LT	
	"SA" 869+90.04, 60.7'± LT TO "SA" 870+73.00, 60.3'± LT	
	"SA" 871+03.58, 60.3'± LT TO "SA" 871+43.00, 60.3'± LT	
	"SA" 871+78.98, 60.3'± LT TO "SA" 872+18.62, 61.1'± LT	
	"SA" 872+89.79, 62.7'± LT TO "SA" 873+16.54, 60.3'± LT	
	"SA" 873+46.45, 60.3'± LT TO "SA" 873+71.30, 60.3'± LT	
	"SA" 874+01.73, 60.3'± LT TO "SA" 874+05.89, 60.3'± LT	
	"SA" 874+32.77, 60.3'± LT TO "SA" 874+56.35, 60.3'± LT	
	"SA" 874+84.07, 60.3'± LT TO "SA" 875+10.07, 60.3'± LT	
	"SA" 875+48.63, 60.3'± LT TO "SA" 875+73.73, 60.3'± LT	
	"SA" 875+98.39, 60.3'± LT TO "SA" 876+20.43, 60.3'± LT	
	"SA" 876+69.76, 60.3'± LT TO "SA" 876+98.01, 60.3'± LT	
	"SA" 877+25.33, 60.3'± LT TO "SA" 877+53.45, 60.3'± LT	
	"SA" 877+80.78, 60.3'± LT TO "SA" 877+96.35, 60.3'± LT	
	"SA" 878+40.12, 60.3'± LT TO "SA" 878+45.03, 60.3'± LT	
	"SA" 878+69.70, 60.3'± LT TO "SA" 878+90.64, 60.3'± LT	
	"SA" 879+17.96, 60.3'± LT TO "SA" 879+21.16, 60.3'± LT	
	"SA" 879+62.37, 60.3'± LT TO "SA" 880+00.00, 60.3'± LT	
	"SA" 868+00.00, 60.8'± RT TO "SA" 869+31.54, 60.8'± RT	
	"SA" 869+56.05, 60.8'± RT TO "SA" 869+88.00, 60.8'± RT	
	"SA" 870+43.00, 60.8'± RT TO "SA" 874+68.28, 62.3'± RT	
	"SA" 875+96.61, 63.4'± RT TO "SA" 879+39.83, 60.8'± RT	
	"SA" 879+71.19, 60.8'± RT TO "SA" 879+85.20, 60.8'± RT	
(6)	"SA" 869+72.00, 12.87' RT TO "SA" 869+15.26, 12.92' RT TO "SA" 869+71.98, 12.77' LT TO "SA" 869+72.00, 12.87' RT	CONSTRUCT TYPE B CONCRETE GLUE DOWN CURB PER NDOT STD. R-5.1.1 - SEE DETAIL M111.
(10)	"SA" 869+72.00, 12.87' RT TO "SA" 869+15.26, 12.92' RT	CONSTRUCT 4-INCH CONCRETE ISLAND PAVING PER NDOT STD. R-5.2.3 - SEE DETAIL M111.
(12)	"SA" 868+25.00, 60.3'± LT TO "SA" 868+80.00, 60.3'± LT	CONSTRUCT SPECIAL 10-INCH CONCRETE CURB AND GUTTER PER DETAIL "A" (SEE SHEET SD-2). TRANSITION BOTH ENDS TO MATCH EXISTING
	"SA" 869+88.00, 60.8'± RT TO "SA" 870+43.00, 60.8'± RT	PER DETAIL "C" (SEE SHEET SD-3).
(13)	"SA" 868+10.00, 46.3'± LT TO "SA" 869+10.00, 46.3'± LT	CONSTRUCT PCCP FOR BUS PLATFORM (SEE TYPICAL SECTIONS).
	"SA" 869+58.00, 46.3'± RT TO "SA" 870+58.00, 46.3'± RT	
(17)	"SA" 870+73.00, 60.3'± LT TO "SA" 871+03.58, 60.3'± LT	CONSTRUCT SINGLE FAMILY DRIVEWAY PER DETAIL "I" (SEE SHEET SD-5) AND CONSTRUCT ASSOCIATED CONCRETE TYPE 5 CURB AND GUTTER PER NDOT STD. R-5.1.1.
	"SA" 871+43.00, 60.3'± LT TO "SA" 871+78.98, 60.3'± LT	
	"SA" 873+16.54, 60.3'± LT TO "SA" 873+46.45, 60.3'± LT A=7.5', B=4.0'	
	"SA" 873+71.30, 60.3'± LT TO "SA" 874+01.73, 60.3'± LT A=7.5', B=4.0'	
	"SA" 874+05.89, 60.3'± LT TO "SA" 874+32.77, 60.3'± LT A=7.5', B=4.0'	
	"SA" 874+56.35, 60.3'± LT TO "SA" 874+84.07, 60.3'± LT A=7.5', B=4.0'	
	"SA" 875+10.07, 60.3'± LT TO "SA" 875+48.63, 60.3'± LT A=7.5', B=4.0'	
	"SA" 875+73.73, 60.3'± LT TO "SA" 875+98.39, 60.3'± LT A=7.5', B=4.0'	
	"SA" 876+20.43, 60.3'± LT TO "SA" 876+45.09, 60.3'± LT A=7.5', B=4.0'	
	"SA" 876+45.09, 60.3'± LT TO "SA" 876+69.76, 60.3'± LT A=7.5', B=4.0'	
	"SA" 876+98.01, 60.3'± LT TO "SA" 877+25.33, 60.3'± LT A=7.5', B=4.0'	
	"SA" 877+53.45, 60.3'± LT TO "SA" 877+80.78, 60.3'± LT A=7.5', B=4.0'	
	"SA" 877+96.35, 60.3'± LT TO "SA" 878+40.12, 60.3'± LT A=7.5', B=4.0'	
	"SA" 878+45.03, 60.3'± LT TO "SA" 878+69.70, 60.3'± LT A=7.5', B=4.0'	
	"SA" 878+90.64, 60.3'± LT TO "SA" 879+17.96, 60.3'± LT A=7.5', B=4.0'	
	"SA" 879+21.16, 60.3'± LT TO "SA" 879+62.37, 60.3'± LT A=7.5', B=4.0'	
	"SA" 869+31.54, 60.8'± RT TO "SA" 869+56.05, 60.8'± RT	
	"SA" 879+39.83, 60.8'± RT TO "SA" 879+71.19, 60.8'± RT	
	"SA" 879+85.20, 60.8'± RT TO "SA" 880+00.00, 60.8'± RT	
(21)	"SA" 869+77.04, 60.8'± RT A=8.0', B=8.0'	CONSTRUCT SIDEWALK RAMP CASE I PER USDCCA DWG. NO. 235.
(25)	"SA" 874+78.77, 66.6'± RT "SA" 875+86.18, 68.6'± RT	RECONSTRUCT CROSS GUTTER SPANDREL PER DETAIL "H" (SEE SHEET SD-4).
(260)	"SA" 869+30.63, 70.7'± LT A=8.0', B=8.0'	RECONSTRUCT TYPE D CURB RAMP PER NDOT STD. R-5.2.2.
	"SA" 869+78.66, 68.1'± LT A=8.0', B=8.0'	
	"SA" 872+29.41, 69.4'± LT A=8.0', B=8.0'	
	"SA" 872+82.67, 69.9'± LT A=8.0', B=8.0'	
	"SA" 874+78.77, 66.6'± RT A=8.0', B=8.0'	
	"SA" 875+86.18, 68.6'± RT A=8.0', B=8.0'	
(29)	"SA" 868+25.00, 60.3'± LT TO "SA" 868+80.00, 60.3'± LT	CONSTRUCT CONCRETE BUS SHELTER PAD PER USDCCA DWG. NO. 234.2. SEE SHEET SD-14 FOR SHELTER CLASSIFICATION TABLE.
	"SA" 869+88.00, 60.8'± RT TO "SA" 870+43.00, 60.8'± RT	
(32)	"SA" 870+13.05, 11.3'± RT TO "SA" 869+83.50, 11.37' RT "SA" 873+20.00, 11.5'± LT	CONSTRUCT TYPE 4 CONCRETE CURB AND GUTTER PER NDOT STD. R-5.1.1.
(34)	"SA" 869+77.00, 10.4'± LT "SA" 869+77.00, 10.4'± RT	INSTALL DETECTABLE WARNING.
(38)	"SA" 870+02, 64.8± LT "SA" 871+24, 64.8± LT "SA" 871+96, 64.8± LT "SA" 874+44, 60.3± LT "SA" 876+14, 60.3± LT "SA" 877+41, 60.3± LT "SA" 879+72, 64.8± LT	CONSTRUCT TREE WELL PER DETAIL ON SHEET SD-1.
(39)	"SA" 868+11, 69.0± RT "SA" 868+56, 69.0± RT "SA" 869+03, 69.0± RT	CONSTRUCT TREE WELL WITH PLANTER BOX PER DETAIL ON SHEET SD-1.
	"SA" 870+60, 69.0± RT "SA" 871+03, 69.0± RT "SA" 871+79, 69.0± RT "SA" 872+24, 69.0± RT "SA" 872+69, 69.0± RT "SA" 873+14, 69.0± RT "SA" 873+81, 69.0± RT "SA" 874+26, 69.0± RT "SA" 876+25, 69.5± RT "SA" 876+70, 69.5± RT "SA" 877+15, 69.5± RT "SA" 877+66, 69.5± RT "SA" 878+11, 69.0± RT "SA" 878+58, 69.0± RT "SA" 879+02, 69.0± RT "SA" 879+78, 69.0± RT	

AS-BUILT

Based on Contractor Supplied
Information Which Has Not Been Verified
By The Louis Berger Group, Inc.

NOTE:

1. FOR CONSTRUCTION PLAN SEE SHEET C-44.

REV. NO.	DATE	DESCRIPTION	APPROVED
A	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

CONSTRUCTION PLAN ITEMS

"SA" 868+00 to "SA" 880+00

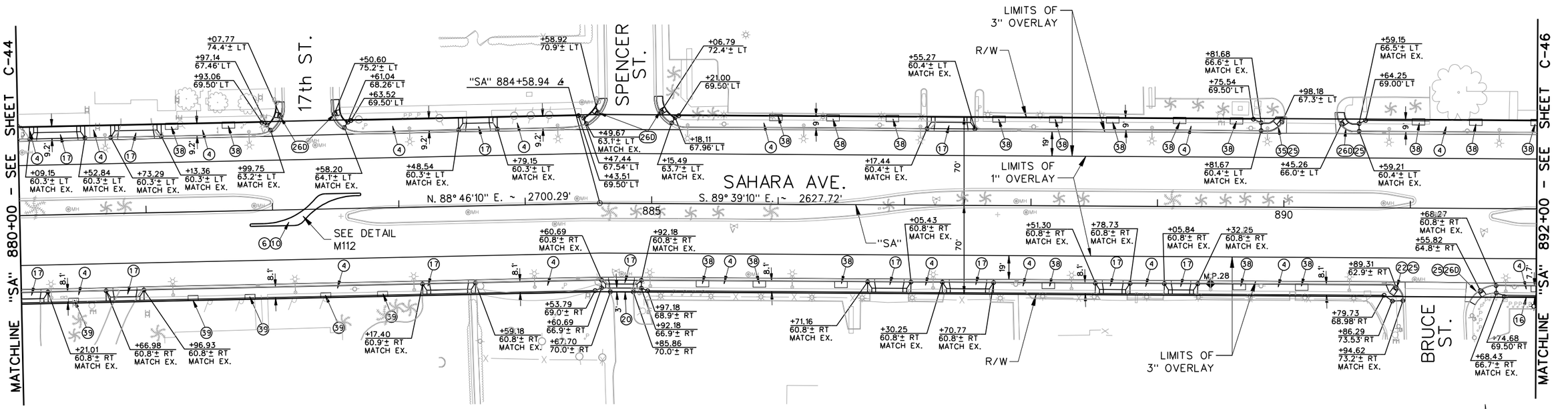
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: JPL CHECKED BY: KK
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: NONE
VERT: NONE
FIELD BOOK: NONE

SHEET No.
C-44A



CONSTRUCTION ITEMS:

(4) "SA" 880+00.00. 60.3'± LT TO "SA" 880+09.15. 60.3'± LT — CONSTRUCT CONCRETE SIDEWALK PER NDOT STD. R-5.2.
"SA" 880+52.84. 60.3'± LT TO "SA" 880+73.29. 60.3'± LT
"SA" 881+13.36. 60.3'± LT TO "SA" 881+99.75. 63.2'± LT
"SA" 882+58.20. 64.1'± LT TO "SA" 883+48.54. 60.3'± LT
"SA" 883+79.15. 60.3'± LT TO "SA" 884+49.67. 63.1'± LT
"SA" 885+15.49. 63.7'± LT TO "SA" 887+17.44. 60.4'± LT
"SA" 887+55.27. 60.4'± LT TO "SA" 889+81.67. 60.4'± LT
"SA" 890+59.21. 60.4'± LT TO "SA" 892+00.00. 60.4'± LT

(4) "SA" 887+05.43. 60.8'± RT TO "SA" 887+30.25. 60.8'± RT — CONSTRUCT CONCRETE SIDEWALK PER NDOT STD. R-5.2.
"SA" 887+70.77. 60.8'± RT TO "SA" 888+51.30. 60.8'± RT
"SA" 888+78.73. 60.8'± RT TO "SA" 889+05.84. 60.8'± RT
"SA" 889+32.25. 60.8'± RT TO "SA" 890+94.62. 73.2'± RT
"SA" 891+68.27. 60.8'± RT TO "SA" 892+00.00. 60.8'± RT

(6) "SA" 881+83.00. 12.50' RT TO "SA" 882+69.00. 12.00' LT TO "SA" 881+83.00. 12.50' RT — CONSTRUCT TYPE B GLUE DOWN CURB PER NDOT STD. R-5.1.1.

(10) "SA" 881+83.00. 12.50' RT TO "SA" 882+69.00. 12.00' LT — CONSTRUCT 4-INCH P.C.C. ISLAND PAVING PER NDOT STD. R-5.2.3.

(16) "SA" 891+74.68. 69.50' RT TO "SA" 892+00.00. 69.50' RT — CONSTRUCT RETAINING WALL (H=1') PER DETAIL "L" (SEE SHEET SD-7)

(17) "SA" 880+09.15. 60.3'± LT TO "SA" 880+52.84. 60.3'± LT
"SA" 880+73.29. 60.3'± LT TO "SA" 881+13.36. 60.3'± LT
"SA" 883+48.54. 60.3'± LT TO "SA" 883+79.15. 60.3'± LT
"SA" 887+17.44. 60.4'± LT TO "SA" 887+55.27. 60.4'± LT
"SA" 880+00.00. 60.8'± RT TO "SA" 880+21.01. 60.8'± RT
"SA" 880+66.98. 60.8'± RT TO "SA" 880+96.93. 60.8'± RT
"SA" 883+17.40. 60.9'± RT TO "SA" 883+59.18. 60.8'± RT
"SA" 884+60.69. 60.8'± RT TO "SA" 884+92.18. 60.8'± RT
— CONSTRUCT SINGLE FAMILY DRIVEWAY PER DETAIL "I" (SEE SHEET SD-5) AND CONSTRUCT ASSOCIATED CONCRETE TYPE 5 CURB AND GUTTER PER NDOT STD. R-5.1.1.

(17) "SA" 886+71.16. 60.8'± RT TO "SA" 887+05.43. 60.8'± RT
"SA" 887+30.25. 60.8'± RT TO "SA" 887+70.77. 60.8'± RT
"SA" 888+51.30. 60.8'± RT TO "SA" 888+78.73. 60.8'± RT
"SA" 889+05.84. 60.8'± RT TO "SA" 889+32.25. 60.8'± RT
— CONSTRUCT SINGLE FAMILY DRIVEWAY PER DETAIL "I" (SEE SHEET SD-5) AND CONSTRUCT ASSOCIATED CONCRETE TYPE 5 CURB AND GUTTER PER NDOT STD. R-5.1.1.

(20) "SA" 884+67.70. 70.0'± RT TO "SA" 884+85.86. 70.0'± RT — CONSTRUCT PAVEMENT STRUCTURAL SECTION 2 (SEE SHEET TY-6).

(22) "SA" 890+89.31. 62.9'± RT A=6.5', B=6.5' — CONSTRUCT TYPE A CURB RAMP PER NDOT STD R-5.2.1.

(25) "SA" 889+98.18. 67.3'± LT
"SA" 890+45.26. 66.0'± LT
"SA" 890+89.31. 62.9'± RT
"SA" 891+55.82. 64.8'± RT
— RECONSTRUCT CONCRETE CROSS GUTTER SPANDREL PER DETAIL "H" (SEE SHEET SD-4).

(26D) "SA" 882+07.77. 74.4'± LT A=8.0', B=8.0'
"SA" 882+50.60. 75.2'± LT A=8.0', B=8.0'
"SA" 884+58.92. 70.9'± LT A=8.0', B=8.0'
"SA" 885+06.79. 72.4'± LT A=8.0', B=8.0'
"SA" 890+45.26. 66.0'± LT A=8.0', B=4.5'
"SA" 891+55.82. 64.8'± RT A=8.0', B=8.0'
— RECONSTRUCT TYPE D CURB RAMP PER NDOT STD. R-5.2.2.

(35) "SA" 889+98.18. 67.34' LT A=8.0' — CONSTRUCT SPECIAL SIDEWALK RAMP PER DETAIL "P1" (SEE SHEET SD-8).

(38) "SA" 881+22. 65.3± LT
"SA" 881+67. 65.3± LT
"SA" 885+98. 65.5± LT
"SA" 886+43. 65.5± LT
"SA" 886+90. 65.5± LT
"SA" 887+74. 65.5± LT
"SA" 888+19. 65.5± LT
"SA" 888+64. 65.5± LT
"SA" 889+17. 65.5± LT
"SA" 889+62. 65.5± LT
"SA" 891+06. 64.5± LT
"SA" 891+52. 64.5± LT
"SA" 892+00. 64.5± LT
"SA" 885+41. 60.8± RT
"SA" 885+86. 60.8± RT
"SA" 886+50. 60.8± RT
"SA" 888+14. 60.8± RT
"SA" 889+65. 60.8± RT
"SA" 890+15. 60.8± RT
— CONSTRUCT TREE WELL PER DETAIL ON SHEET SD-1.

(39) "SA" 880+41. 69.0± RT
"SA" 881+36. 69.0± RT
"SA" 881+81. 69.0± RT
"SA" 882+41. 69.0± RT
"SA" 882+86. 69.0± RT
— CONSTRUCT TREE WELL WITH PLANTER BOX PER DETAIL ON SHEET SD-1.

40 20 0 40 80
GRAPHIC SCALE

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

NOTE:
1. FOR MEDIAN ISLAND GEOMETRICS NOT SHOWN, SEE SHEET SD-12.

Call 811 before you DIG 1-800-227-2600
FAST Call before you UnderGround 1-702-432-5300 FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION
CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
A	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
CONSTRUCTION PLAN
"SA" 880+00 to "SA" 892+00
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

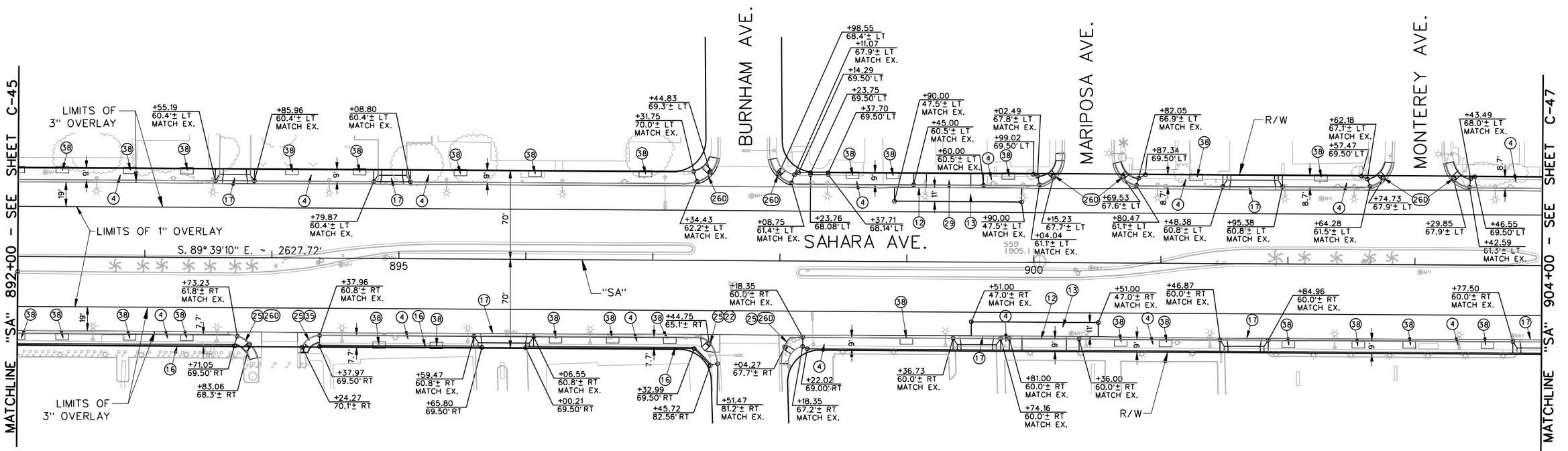
PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: JPL CHECKED BY: KK
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. C-45

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT
AS - BUILT - 05.31.2012



AS - BUILT - 05.31.2012

CONSTRUCTION ITEMS:

④ "SA" 892+00.00, 60.4'± LT TO "SA" 893+55.19, 60.4'± LT
"SA" 893+85.96, 60.4'± LT TO "SA" 894+79.87, 60.4'± LT
"SA" 895+08.80, 60.4'± LT TO "SA" 897+34.43, 62.2'± LT
"SA" 898+08.75, 61.4'± LT TO "SA" 899+05.00, 60.5'± LT
"SA" 899+60.00, 60.5'± LT TO "SA" 900+04.04, 61.1'± LT
"SA" 900+80.47, 61.1'± LT TO "SA" 901+48.38, 60.8'± LT
"SA" 901+95.38, 60.8'± LT TO "SA" 902+64.28, 61.5'± LT
"SA" 903+42.59, 61.3'± LT TO "SA" 904+00.00, 60.8'± LT
"SA" 892+00.00, 60.8'± RT TO "SA" 893+73.23, 61.8'± RT
"SA" 894+37.96, 60.8'± RT TO "SA" 895+59.47, 60.8'± RT
"SA" 896+06.55, 60.8'± RT TO "SA" 897+51.47, 81.2'± RT
"SA" 898+18.35, 60.0'± RT TO "SA" 899+36.73, 60.0'± RT
"SA" 899+74.16, 60.0'± RT TO "SA" 899+81.00, 60.0'± RT
— CONSTRUCT CONCRETE SIDEWALK PER NDOT STD. R-5.2.

④ "SA" 900+36.00, 60.0'± RT TO "SA" 901+46.87, 60.0'± RT
"SA" 901+84.96, 60.0'± RT TO "SA" 903+77.50, 60.0'± RT
— CONSTRUCT CONCRETE SIDEWALK PER NDOT STD. R-5.2.

⑫ "SA" 899+05.00, 60.5'± LT TO "SA" 899+60.00, 60.5'± LT
"SA" 899+81.00, 60.0'± RT TO "SA" 900+56.00, 60.0'± RT
— CONSTRUCT SPECIAL 10-INCH CONCRETE CURB AND GUTTER PER DETAIL "A" (SEE SHEET SD-2). TRANSITION BOTH ENDS TO MATCH EXISTING PER DETAIL "C" (SEE SHEET SD-3).

⑬ "SA" 898+90.00, 47.5'± LT TO "SA" 899+90.00, 47.5'± LT
"SA" 898+51.00, 47.0'± RT TO "SA" 900+51.00, 47.0'± RT
— CONSTRUCT PCCP FOR BUS PLATFORM (SEE TYPICAL SECTIONS).

⑯ "SA" 892+00.00, 69.50' RT TO "SA" 893+71.05, 69.50' RT
"SA" 894+37.97, 69.50' RT TO "SA" 895+65.80, 69.50' RT
"SA" 896+00.21, 69.50' RT TO "SA" 897+45.72, 82.56' RT
— CONSTRUCT RETAINING WALL (H=1') PER DETAIL "L" (SEE SHEET SD-7).

⑰ "SA" 893+55.19, 60.4'± LT TO "SA" 893+85.96, 60.4'± LT
"SA" 894+79.87, 60.4'± LT TO "SA" 895+08.80, 60.4'± LT
"SA" 901+48.38, 60.8'± LT TO "SA" 901+95.38, 60.8'± LT
"SA" 895+59.47, 60.8'± RT TO "SA" 896+06.55, 60.8'± RT
"SA" 899+36.73, 60.0'± RT TO "SA" 899+74.16, 60.0'± RT
"SA" 901+46.87, 60.0'± RT TO "SA" 901+84.96, 60.0'± RT
"SA" 903+77.50, 60.0'± RT TO "SA" 904+00.00, 60.0'± RT
— CONSTRUCT SINGLE FAMILY DRIVEWAY PER DETAIL "I" (SEE SHEET SD-5) AND CONSTRUCT ASSOCIATED CONCRETE TYPE 5 CURB AND GUTTER PER NDOT STD. R-5.1.1.

㉒ "SA" 897+44.75, 65.1'± RT A=6.5', B=6.5'
— CONSTRUCT TYPE A CURB RAMP PER NDOT STD. R-5.2.1.

㉕ "SA" 893+83.06, 68.3'± LT
"SA" 894+24.27, 70.1'± LT
"SA" 897+44.25, 65.1'± RT
"SA" 898+04.27, 67.7'± RT
— RECONSTRUCT CONCRETE CROSS GUTTER SPANDREL PER DETAIL "H" (SEE SHEET SD-4).

㉖ "SA" 897+44.83, 69.3'± LT A=8.0', B=8.0'
"SA" 897+98.55, 68.4'± LT A=8.0', B=8.0'
"SA" 900+15.23, 67.7'± LT A=8.0', B=8.0'
"SA" 900+69.53, 67.6'± LT A=8.0', B=8.0'
"SA" 902+74.73, 67.9'± LT A=8.0', B=8.0'
"SA" 903+29.85, 67.9'± LT A=8.0', B=8.0'
"SA" 893+83.06, 68.3'± RT A=8.0', B=8.0'
"SA" 898+04.27, 67.7'± RT A=8.0', B=8.0'
— RECONSTRUCT TYPE D CURB RAMP PER NDOT STD. R-5.2.2.

㉙ "SA" 899+05.00, 60.5'± LT TO "SA" 899+60.00, 60.5'± LT
"SA" 898+46.00, 60.0'± RT TO "SA" 899+01.00, 60.0'± RT
— CONSTRUCT CONCRETE BUS SHELTER PAD PER USDCCA DWG. NO. 234.2. SEE SHEET SD-14 FOR SHELTER CLASSIFICATION TABLE.

㉟ "SA" 894+24.27, 70.1' RT A=8.0'
— CONSTRUCT SPECIAL SIDEWALK RAMP PER DETAIL "P1" (SEE SHEET SD-8).

㊲ "SA" 896+30.00, 69.70' LT TO "SA" 896+85.00, 69.70' LT
— CONSTRUCT SPECIAL SIDEWALK RETAINING CURB PER DETAIL "L1" (SEE SHEET SD-7).

㊳ "SA" 892+35, 64.5± LT
"SA" 892+88, 64.5± LT
"SA" 893+33, 64.5± LT
"SA" 894+16, 64.5± LT
"SA" 894+69, 64.5± LT
"SA" 895+48, 64.5± LT
"SA" 896+06, 64.5± LT
"SA" 896+94, 64.5± LT
"SA" 898+57, 64.5± LT
"SA" 898+88, 64.5± LT
"SA" 899+79, 64.5± LT
"SA" 901+27, 65.0± LT
"SA" 902+26, 65.0± LT
"SA" 892+01, 60.8± RT
"SA" 892+35, 60.8± RT
"SA" 892+88, 60.8± RT
"SA" 893+33, 60.8± RT
"SA" 894+85, 64.0± RT
"SA" 895+30, 64.0± RT
"SA" 896+24, 60.8± RT
"SA" 896+69, 60.8± RT
"SA" 897+14, 60.8± RT
"SA" 899+00, 60.0± RT
"SA" 900+69, 60.0± RT
"SA" 901+04, 60.0± RT
"SA" 902+01, 60.0± RT
"SA" 902+56, 60.0± RT
"SA" 902+96, 60.0± RT
"SA" 903+57, 60.0± RT
— CONSTRUCT TREE WELL PER DETAIL ON SHEET SD-1.

40 20 0 40 80
GRAPHIC SCALE

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call 811 OR 1-800-227-2600

FAST Call before you UnderGround 1-702-432-5300 FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

CONSTRUCTION PLAN

"SA" 892+00 to "SA" 904+00

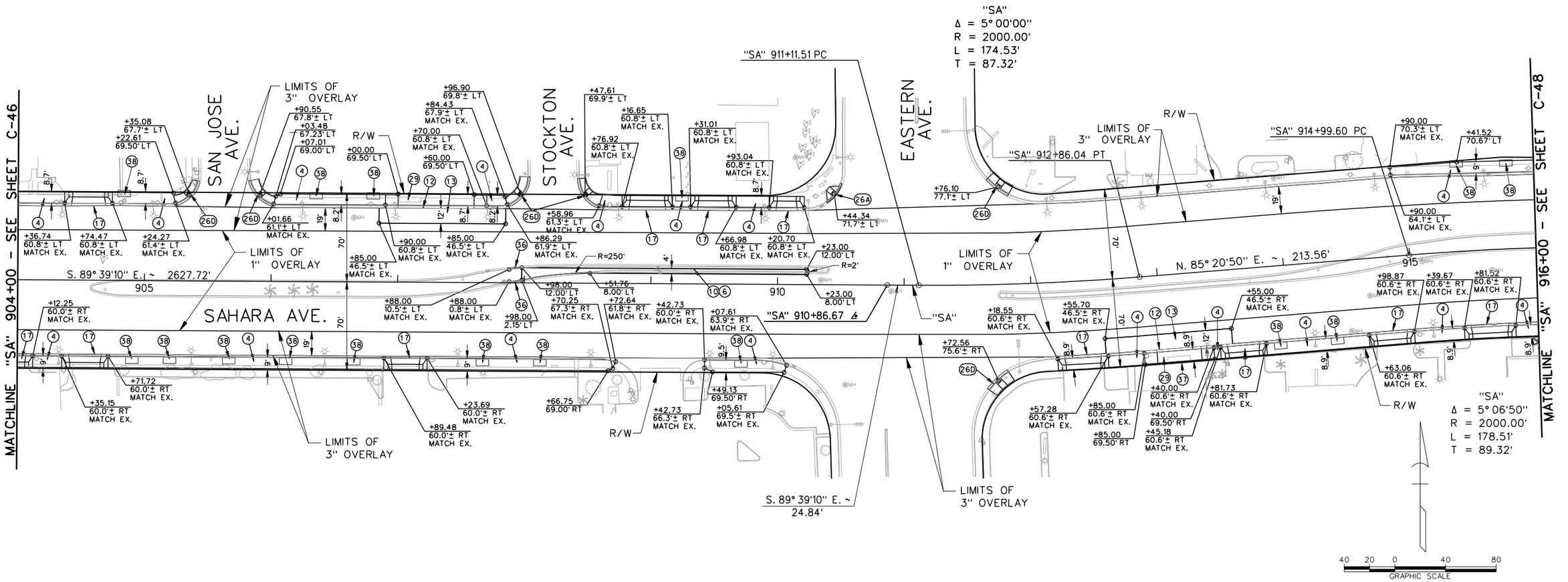
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: JPL CHECKED BY: KK
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. C-46



AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

NOTE:

1. FOR CONSTRUCTION ITEMS SEE SHEET C-47A.

Call 811 or 1-800-227-2600

FAST Call before you UnderGround 1-702-432-5300 FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
A	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

CONSTRUCTION PLAN

"SA" 904+00 to "SA" 916+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: JPL CHECKED BY: KK
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ : AS SHOWN
VERT : NONE
FIELD BOOK : NONE

SHEET No. C-47

Sheet 130 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

CONSTRUCTION ITEMS:

(4)	"SA" 904+00.00, 60.8'± LT TO "SA" 904+36.74, 60.8'± LT	CONSTRUCT CONCRETE SIDEWALK PER NDOT STD. R-5.2.
	"SA" 904+74.47, 60.8'± LT TO "SA" 905+24.27, 61.4'± LT	
	"SA" 906+01.66, 61.1'± LT TO "SA" 906+90.00, 60.8'± LT	
	"SA" 907+70.00, 60.8'± LT TO "SA" 907+86.29, 61.9'± LT	
	"SA" 908+58.96, 61.3'± LT TO "SA" 908+76.92, 60.8'± LT	
	"SA" 909+16.65, 60.8'± LT TO "SA" 909+31.01, 60.8'± LT	
	"SA" 909+66.98, 60.8'± LT TO "SA" 909+93.04, 60.8'± LT	
	"SA" 914+90.00, 64.1'± LT TO "SA" 916+00.00, 60.4'± LT	
	"SA" 904+12.25, 60.0'± RT TO "SA" 904+35.15, 60.0'± RT	
	"SA" 904+71.72, 60.0'± RT TO "SA" 906+89.48, 60.0'± RT	
	"SA" 907+23.69, 60.0'± RT TO "SA" 908+72.64, 61.8'± RT	
	"SA" 909+42.73, 60.0'± RT TO "SA" 910+07.61, 63.9'± RT	
	"SA" 912+57.28, 60.6'± RT TO "SA" 912+85.00, 60.6'± RT	
	"SA" 913+40.00, 60.6'± RT TO "SA" 913+45.18, 60.6'± RT	
	"SA" 913+81.73, 60.6'± RT TO "SA" 914+63.06, 60.6'± RT	
	"SA" 914+98.87, 60.6'± RT TO "SA" 915+39.67, 60.6'± RT	
	"SA" 915+81.52, 60.6'± RT TO "SA" 916+00.00, 60.6'± RT	
(6)	"SA" 907+98.00, 02.15' LT TO "SA" 910+23.00, 12.00' LT TO "SA" 907+98.00, 12.00' LT	CONSTRUCT TYPE B CONCRETE GLUE DOWN CURB PER NDOT STD. R-5.1.1.
(10)	"SA" 907+98.00, 02.14' LT TO "SA" 910+23.00, 12.00' LT TO	CONSTRUCT 4-INCH CONCRETE ISLAND PAVING PER NDOT STD. R-5.2.3.
(12)	"SA" 906+90.00, 60.8'± LT TO "SA" 907+70.00, 60.8'± LT	CONSTRUCT SPECIAL 10-INCH CONCRETE CURB AND GUTTER PER DETAIL "A" (SEE SHEET SD-2). TRANISTION BOTH ENDS TP MATCH EXISTING PER DETAIL "C" (SEE SHEET SD-3).
	"SA" 912+85.00, 60.6'± RT TO "SA" 913+40.00, 60.6'± RT	
(13)	"SA" 906+85.00, 46.5'± LT TO "SA" 907+85.00, 46.5'± LT	CONSTRUCT PCCP FOR BUS PLATFORM (SEE TYPICAL SECTIONS).
	"SA" 912+55.70, 46.5'± RT TO "SA" 913+55.00, 46.5'± RT	
(17)	"SA" 904+36.74, 60.8'± LT TO "SA" 904+74.47, 60.8'± LT	CONSTRUCT SINGLE FAMILY DRIVEWAY PER DETAIL "I" (SEE SHEET SD-5) AND CONSTRUCT ASSOCIATED TYPE 5 CONCRETE CURB AND GUTTER PER NDOT STD. R-5.1.1.
	"SA" 908+76.92, 60.8'± LT TO "SA" 909+16.65, 60.8'± LT	
	"SA" 909+31.01, 60.8'± LT TO "SA" 909+66.98, 60.8'± LT	
	"SA" 909+93.04, 60.8'± LT TO "SA" 910+20.70, 60.8'± LT	
	"SA" 904+00.00, 60.0'± RT TO "SA" 904+12.25, 60.0'± RT	
	"SA" 904+35.15, 60.0'± RT TO "SA" 904+71.72, 60.0'± RT	
	"SA" 906+89.48, 60.0'± RT TO "SA" 907+23.69, 60.0'± RT	
	"SA" 912+18.55, 60.6'± RT TO "SA" 912+57.28, 60.6'± RT	
	"SA" 913+45.18, 60.6'± RT TO "SA" 913+81.73, 60.6'± RT	
	"SA" 914+63.06, 60.6'± RT TO "SA" 914+98.87, 60.6'± RT	
	"SA" 915+39.67, 60.6'± RT TO "SA" 915+81.52, 60.6'± RT	
(26A)	"SA" 910+44.34, 71.7'± LT A=5.5', B=5.5'	RECONSTRUCT TYPE A CURB RAMP PER NDOT STD. R-5.2.1.
(26D)	"SA" 905+35.08, 67.7'± LT A=8.0', B=8.0'	RECONSTRUCT TYPE D CURB RAMP PER NDOT STD. R-5.2.2.
	"SA" 905+90.55, 67.8'± LT A=8.0', B=8.0'	
	"SA" 907+96.90, 69.8'± LT A=8.0', B=8.0'	
	"SA" 908+47.61, 69.9'± LT A=8.0', B=8.0'	
	"SA" 911+72.56, 75.6'± RT A=6.5', B=6.5'	
	"SA" 911+76.10, 77.1'± LT A=6.5', B=6.5'	
(29)	"SA" 906+90.00, 60.8'± LT TO "SA" 907+70.00, 60.8'± LT	CONSTRUCT CONCRETE BUS SHELTER PAD PER USDCCA DWG. NO. 234.2. SEE SHEET SD-14 FOR SHELTER CLASSIFICATION TABLE.
	"SA" 912+85.00, 60.6'± RT TO "SA" 913+40.00, 60.6'± RT	
(36)	"SA" 907+88.00, 10.5'± LT TO "SA" 907+98.00, 12.00' LT	CONSTRUCT CURB AND GUTTER (TYPE 4) TO GLUE DOWN CURB (TYPE B) TRANSITION PER DETAIL "F" (SEE SHEET SD-3).
	"SA" 907+88.00, 00.8'± LT TO "SA" 907+98.00, 02.15' LT	
(37)	"SA" 913+85.00, 69.50' RT TO "SA" 914+40.00, 69.50' RT	CONSTRUCT SPECIAL SIDEWALK RETAINING CURB PER DETAIL "L1" (SEE SHEET SD-7).
(38)	"SA" 904+84, 65.0'± LT	CONSTRUCT TREE WELL PER DETAIL ON SHEET SD-1.
	"SA" 906+35, 64.5'± LT	
	"SA" 906+80, 64.5'± LT	
	"SA" 906+24, 65.0'± LT	
	"SA" 915+41, 64.4'± LT	
	"SA" 915+79, 64.4'± LT	
	"SA" 904+90, 60.0'± RT	
	"SA" 905+20, 60.0'± RT	
	"SA" 905+67, 60.0'± RT	
	"SA" 906+12, 60.0'± RT	
	"SA" 906+66, 60.0'± RT	
	"SA" 907+67, 60.0'± RT	
	"SA" 908+13, 60.0'± RT	
	"SA" 909+71, 60.0'± RT	
	"SA" 913+93, 60.6'± RT	
	"SA" 914+38, 60.6'± RT	

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

NOTE:

1. FOR CONSTRUCTION PLAN SEE SHEET C-47.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

CONSTRUCTION NOTES

"SA" 904+00 to "SA" 916+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

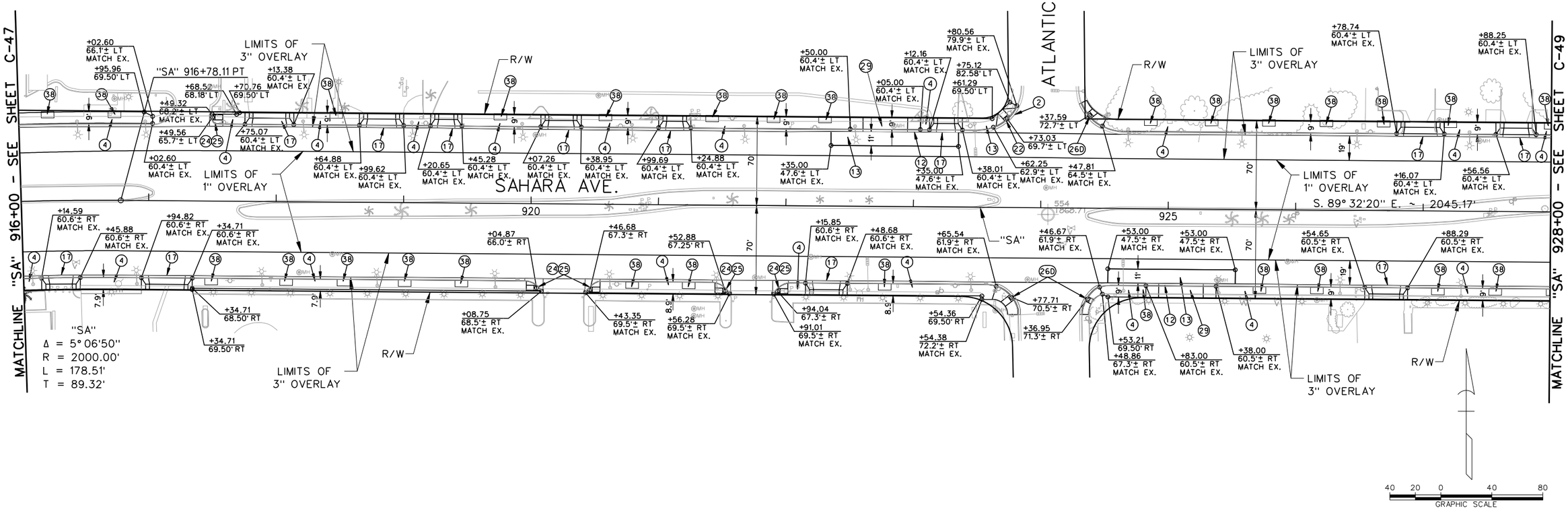
PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: JPL CHECKED BY: KK
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: NONE
VERT: NONE
FIELD BOOK: NONE

SHEET No. C-47A

AS - BUILT - 05.31.2012



AS-BUILT - 05.31.2012

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

NOTE:

1. FOR CONSTRUCTION ITEMS SEE SHEET C-48A.

Call 811 or 1-800-227-2600

FAST Call before you UnderGround 1-702-432-5300 PRIMARY AND INTERNAL SYSTEMS OF TRANSPORTATION

CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

CONSTRUCTION PLAN

"SA" 916+00 to "Pe" 928+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: JPL CHECKED BY: KK
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. C-48

CONSTRUCTION ITEMS:

(2)	"SA" 923+62.25, 62.9'± LT TO "SA" 923+80.56, 79.9'± LT	CONSTRUCT TYPE 5 CONCRETE CURB AND GUTTER PER NDOT STD. R-5.1.1.
(4)	"SA" 916+00.00, 60.4'± LT TO "SA" 917+02.60, 60.4'± LT	CONSTRUCT CONCRETE SIDEWALK PER NDOT STD. R-5.2.
	"SA" 917+49.32, 68.2'± LT TO "SA" 917+75.07, 60.4'± LT	
	"SA" 918+13.38, 60.4'± LT TO "SA" 918+64.88, 60.4'± LT	
	"SA" 918+99.62, 60.4'± LT TO "SA" 919+20.65, 60.4'± LT	
	"SA" 919+45.28, 60.4'± LT TO "SA" 920+07.26, 60.4'± LT	
	"SA" 920+38.95, 60.4'± LT TO "SA" 920+99.69, 60.4'± LT	
	"SA" 921+24.88, 60.4'± LT TO "SA" 922+50.00, 60.4'± LT	
	"SA" 923+05.00, 60.4'± LT TO "SA" 923+12.16, 60.4'± LT	
	"SA" 923+38.01, 60.4'± LT TO "SA" 923+80.56, 79.9'± LT	
	"SA" 924+47.81, 64.4'± LT TO "SA" 926+78.74, 60.4'± LT	
	"SA" 927+16.07, 60.4'± LT TO "SA" 927+56.56, 60.4'± LT	
	"SA" 927+88.25, 60.4'± LT TO "SA" 928+00.00, 60.4'± LT	
	"SA" 916+00.00, 60.6'± RT TO "SA" 916+14.59, 60.6'± RT	
	"SA" 916+45.88, 60.4'± RT TO "SA" 916+94.82, 60.4'± RT	
	"SA" 917+34.71, 60.4'± RT TO "SA" 920+08.75, 68.5'± RT	
	"SA" 920+43.35, 69.5'± RT TO "SA" 921+56.28, 69.5'± RT	
	"SA" 921+91.01, 69.5'± RT TO "SA" 922+15.85, 60.6'± RT	
	"SA" 922+48.68, 60.6'± RT TO "SA" 923+65.54, 61.9'± RT	
	"SA" 924+46.67, 61.9'± RT TO "SA" 924+83.00, 60.5'± RT	
	"SA" 925+38.00, 60.5'± RT TO "SA" 926+54.65, 60.5'± RT	
	"SA" 926+88.29, 60.5'± RT TO "SA" 928+00.00, 60.5'± RT	

(12)	"SA" 922+50.00, 60.4'± LT TO "SA" 923+05.00, 60.4'± LT	CONSTRUCT SPECIAL 10-INCH CONCRETE CURB AND GUTTER PER DETAIL "A" (SEE SHEET SD-2) TRANSITION BOTH ENDS TO MATCH EXISTING PER DETAIL "C" (SEE SHEET SD-3).
	"SA" 924+83.00, 60.5'± RT TO "SA" 925+38.00, 60.5'± RT	
(13)	"SA" 922+35.00, 47.6'± LT TO "SA" 923+35.00, 47.6'± LT	CONSTRUCT PCCP FOR BUS PLATFORM (SEE TYPICAL SECTIONS).
	"SA" 924+53.00, 47.5'± RT TO "SA" 925+53.00, 47.5'± RT	
(17)	"SA" 917+75.07, 60.4'± LT TO "SA" 918+13.38, 60.4'± LT	CONSTRUCT SINGLE FAMILY DRIVEWAY PER DETAIL "I" (SEE SHEET SD-5) AND CONSTRUCT ASSOCIATED TYPE 5 CONCRETE CURB AND GUTTER PER NDOT STD. R-5.1.1.
	"SA" 918+64.88, 60.4'± LT TO "SA" 918+99.62, 60.4'± LT	
	"SA" 919+20.65, 60.4'± LT TO "SA" 919+45.28, 60.4'± LT	
	"SA" 920+07.26, 60.4'± LT TO "SA" 920+38.95, 60.4'± LT	
	"SA" 920+99.69, 60.4'± LT TO "SA" 921+24.88, 60.4'± LT	
	"SA" 923+12.16, 60.4'± LT TO "SA" 923+38.01, 60.4'± LT	
	"SA" 926+78.74, 60.4'± LT TO "SA" 927+16.07, 60.4'± LT	
	"SA" 927+56.56, 60.4'± LT TO "SA" 927+88.25, 60.4'± LT	
	"SA" 916+14.59, 60.6'± RT TO "SA" 916+45.88, 60.6'± RT	
	"SA" 916+94.82, 60.6'± RT TO "SA" 917+34.71, 60.6'± RT	
	"SA" 922+15.85, 60.6'± RT TO "SA" 922+48.68, 60.6'± RT	
	"SA" 926+54.65, 60.5'± RT TO "SA" 926+88.29, 60.5'± RT	

(22)	"SA" 923+73.03, 69.7'± LT A=8.0', B=8.0'	CONSTRUCT TYPE A CURB RAMP PER NDOT STD. R-5.2.1.
(24)	"SA" 917+49.56, 65.7'± LT A=8.0'	CONSTRUCT TYPE E CURB RAMP PER NDOT STD. R-5.2.1.
	"SA" 920+04.87, 66.0'± RT A=8.0'	
	"SA" 920+46.68, 67.3'± RT A=8.0'	
	"SA" 921+52.88, 67.3'± RT A=8.0'	
	"SA" 921+94.04, 67.3'± RT A=8.0'	
(25)	"SA" 917+49.56, 65.7'± LT "SA" 920+04.87, 66.0'± RT "SA" 920+46.68, 67.3'± RT "SA" 921+52.88, 67.3'± RT "SA" 921+94.04, 67.3'± RT	CONSTRUCT TYPE E CURB RAMP PER NDOT STD. R-5.3.3.
(260)	"SA" 924+37.59, 72.65' LT A=8.0', B=8.0'	RECONSTRUCT TYPE D CURB RAMP PER NDOT STD. R-5.2.2.
	"SA" 923+77.71, 70.46' RT A=8.0', B=8.0'	
	"SA" 924+36.95, 71.33' RT A=8.0', B=8.0'	
(29)	"SA" 922+50.00, 60.4'± LT TO "SA" 923+05.00, 60.4'± LT	CONSTRUCT CONCRETE BUS SHELTER PAD PER USDCCA DWG. NO. 234.2. SEE SHEET SD-14 FOR SHELTER CLASSIFICATION TABLE.
	"SA" 924+83.00, 60.5'± RT TO "SA" 925+38.00, 60.5'± RT	
(38)	"SA" 916+22, 64.4± LT "SA" 916+73, 64.4± LT "SA" 918+47, 64.5± LT "SA" 919+76, 64.5± LT "SA" 920+58, 64.5± LT "SA" 921+42, 64.5± LT "SA" 921+90, 64.5± LT "SA" 922+30, 64.5± LT "SA" 924+86, 64.5± LT "SA" 925+34, 64.5± LT "SA" 925+79, 64.5± LT "SA" 926+24, 64.5± LT "SA" 926+69, 64.5± LT "SA" 927+21, 64.5± LT "SA" 928+00, 64.5± LT "SA" 917+50, 60.6± RT "SA" 918+08, 60.6± RT "SA" 918+53, 60.6± RT "SA" 919+01, 60.6± RT "SA" 919+46, 60.6± RT "SA" 920+80, 60.6± RT "SA" 921+24, 60.6± RT "SA" 922+78, 60.6± RT "SA" 924+82, 60.5± RT "SA" 925+72, 60.5± RT "SA" 926+17, 60.5± RT "SA" 927+12, 60.5± RT "SA" 927+57, 60.5± RT	CONSTRUCT TREE WELL PER DETAIL ON SHEET SD-1.

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

NOTE:

1. FOR CONSTRUCTION PLAN SEE SHEET C-48.

REV. NO.	DATE	DESCRIPTION	APPROVED
1	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

CONSTRUCTION NOTES

"SA" 916+00 to "Pe" 928+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

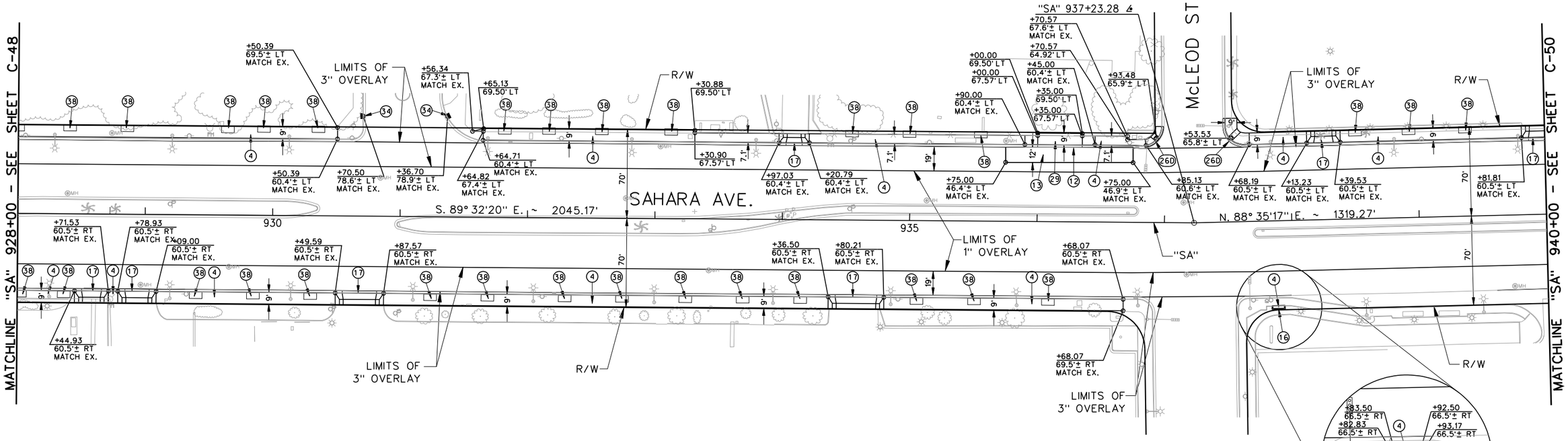
PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: JPL CHECKED BY: KK
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: NONE
VERT: NONE
FIELD BOOK: NONE

SHEET No. C-48A

AS - BUILT - 05.31.2012



CONSTRUCTION ITEMS:

(4)	"SA" 928+00.00, 60.4'± LT TO "SA" 930+50.39, 60.4'± LT	CONSTRUCT CONCRETE SIDEWALK PER NDOT STD. R-5.2.
	"SA" 931+56.34, 67.3'± LT TO "SA" 933+97.03, 60.4'± LT	
	"SA" 934+20.79, 60.4'± LT TO "SA" 935+90.00, 60.4'± LT	
	"SA" 936+45.00, 60.4'± LT TO "SA" 936+85.13, 60.6'± LT	
	"SA" 937+68.19, 60.5'± LT TO "SA" 938+13.23, 60.5'± LT	
	"SA" 938+39.53, 60.5'± LT TO "SA" 939+81.81, 60.5'± LT	
	"SA" 928+00.00, 60.5'± RT TO "SA" 928+44.93, 60.5'± RT	
	"SA" 928+71.53, 60.5'± RT TO "SA" 928+78.93, 60.5'± RT	
	"SA" 929+09.00, 60.5'± RT TO "SA" 930+49.59, 60.5'± RT	
	"SA" 930+87.57, 60.5'± RT TO "SA" 934+36.50, 60.5'± RT	
	"SA" 934+80.21, 60.5'± RT TO "SA" 936+68.07, 60.5'± RT	
	"SA" 937+83.50, 66.5'± RT TO "SA" 937+92.50, 66.5'± RT	
(12)	"SA" 935+90.00, 60.4'± LT TO "SA" 936+45.00, 60.4'± LT	CONSTRUCT SPECIAL 10-INCH CONCRETE CURB AND GUTTER PER DETAIL "A" (SEE SHEET SD-2) TRANSITION BOTH ENDS TO MATCH EXISTING PER DETIAL "C" (SEE SHEET SD-3).
(13)	"SA" 935+75.00, 46.4'± LT TO "SA" 936+75.00, 46.9'± LT	CONSTRUCT PCCP FOR BUS PLATFORM (SEE TYPICAL SECTIONS).
(16)	"SA" 937+82.83, 66.5'± RT TO "SA" 937+82.83, 69.50' RT TO "SA" 937+93.17, 69.50' RT TO "SA" 937+93.17, 66.5'± RT	CONSTRUCT RETAINING WALL PER DETAIL "L" (SEE SHEET SD-7).
(17)	"SA" 933+97.03, 60.4'± LT TO "SA" 934+20.79, 60.4'± LT	CONSTRUCT SINGLE FAMILY DRIVEWAY PER DETAIL "I" (SEE SHEET SD-5) AND CONSTRUCT ASSOCIATED TYPE 5 CONCRETE CURB AND GUTTER PER NDOT STD. R-5.1.1.
	"SA" 938+13.23, 60.5'± LT TO "SA" 938+39.53, 60.5'± LT	
	"SA" 939+81.81, 60.5'± LT TO "SA" 940+00.00, 60.5'± LT	
	"SA" 928+44.93, 60.5'± RT TO "SA" 928+71.53, 60.5'± RT	
	"SA" 928+78.93, 60.5'± RT TO "SA" 929+09.00, 60.5'± RT	
	"SA" 930+49.59, 60.5'± RT TO "SA" 930+87.57, 60.5'± RT	
	"SA" 934+36.50, 60.5'± RT TO "SA" 934+80.21, 60.5'± RT	
(260)	"SA" 936+93.48, 65.9'± LT A=7.0', B=7.0'	RECONSTRUCT TYPE D CURB RAMP PER NDOT STD. R-5.2.2.
	"SA" 937+53.53, 65.8'± LT A=7.0', B=7.0'	
(29)	"SA" 935+90.00, 60.4'± LT TO "SA" 936+45.00, 60.4'± LT	CONSTRUCT CONCRETE BUS PAD SHELTER PER USDCCA DWG. NO. 234.2 (REMOVE AND RESET WROUGHT IRON FENCE - NP!). SEE SHEET SD-14 FOR SHELTER CLASSIFICATION TABLE.
(34)	"SA" 930+70.50, 78.6'± LT "SA" 931+36.70, 78.9'± LT	INSTALL DETECTABLE WARNING.
(38)	"SA" 928+40, 64.5± LT "SA" 928+65, 64.5± LT "SA" 929+64, 64.5± LT "SA" 929+93, 64.5± LT "SA" 930+35, 64.5± LT "SA" 931+82, 64.5± LT "SA" 932+16, 64.5± LT "SA" 932+58, 64.5± LT "SA" 933+12, 64.5± LT "SA" 934+54, 64.5± LT "SA" 934+99, 64.5± LT "SA" 935+55, 64.5± LT "SA" 938+51, 64.5± LT "SA" 938+93, 64.5± LT "SA" 939+38, 64.5± LT "SA" 928+02, 60.5± RT "SA" 928+37, 60.5± RT "SA" 929+40, 60.5± RT "SA" 929+85, 60.5± RT "SA" 930+30, 60.5± RT "SA" 931+24, 60.5± RT "SA" 931+69, 60.5± RT "SA" 932+30, 60.5± RT "SA" 932+75, 60.5± RT "SA" 933+24, 60.5± RT "SA" 933+69, 60.5± RT "SA" 931+15, 60.5± RT "SA" 935+06, 60.5± RT "SA" 935+51, 60.5± RT "SA" 936+09, 60.5± RT	CONSTRUCT TREE WELL PER DETAIL ON SHEET SD-1.

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY.
Call 811 OR 1-800-227-2600
FAST
Call before you UnderGround 1-702-432-5300
FEDERAL AND NATIONAL SYSTEM OF TRANSPORTATION
AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY.
CALL BEFORE YOU DO OVERHEAD
1-702-227-2929

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
A	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

CONSTRUCTION PLAN

"SA" 928+00 to "SA" 940+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: JPL CHECKED BY: KK
APPROVED BY RJP

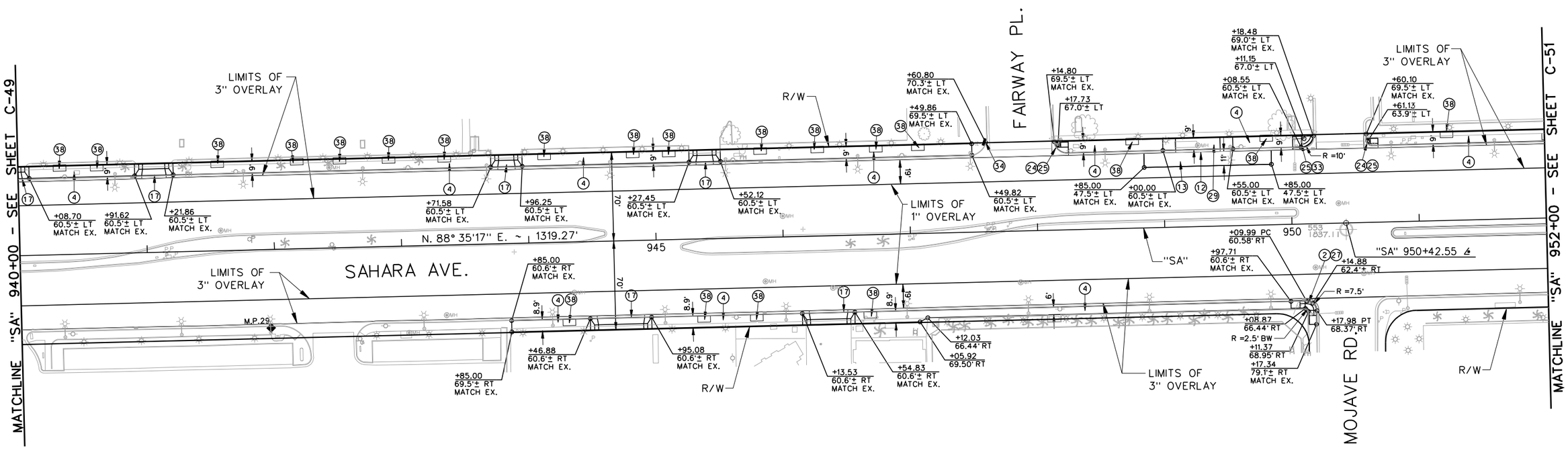
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. C-49

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012



CONSTRUCTION ITEMS:

(2) "SA" 949+97.71, 60.6'± RT TO "SA" 950+17.34, 79.1'± RT — CONSTRUCT TYPE 5 CONCRETE CURB AND GUTTER PER NDOT STD. R-5.1.1.

(4) "SA" 940+08.70, 60.5'± LT TO "SA" 940+91.62, 60.5'± LT; "SA" 941+21.86, 60.5'± LT TO "SA" 943+71.58, 60.5'± LT; "SA" 943+96.25, 60.5'± LT TO "SA" 945+27.45, 60.5'± LT; "SA" 945+52.12, 60.5'± LT TO "SA" 947+49.82, 60.5'± LT; "SA" 948+14.80, 69.5'± LT TO "SA" 949+00.00, 60.5'± LT; "SA" 949+55.00, 60.5'± LT TO "SA" 950+18.48, 69.0'± LT; "SA" 950+60.10, 69.5'± LT TO "SA" 952+00.00, 60.6'± LT; "SA" 943+85.00, 60.6'± RT TO "SA" 944+46.88, 60.6'± RT; "SA" 944+95.08, 60.6'± RT TO "SA" 946+13.53, 60.6'± RT; "SA" 946+54.83, 60.6'± RT TO "SA" 950+17.34, 79.1'± RT — CONSTRUCT CONCRETE SIDEWALK PER NDOT STD. R-5.2.

(12) "SA" 949+00.00, 60.5'± LT TO "SA" 949+55.00, 60.5'± LT — CONSTRUCT SPECIAL 10-INCH CONCRETE CURB AND GUTTER PER DETAIL "A" (SEE SHEET SD-2) TRANSITION BOTH ENDS TO MATCH EXISTING PER DETIAL "C" (SEE SHEES SD-3).

(13) "SA" 948+85.00, 47.5'± LT TO "SA" 949+85.00, 47.5'± LT — CONSTRUCT PCCP FOR BUS PLATFORM (SEE TYPICAL SECTIONS).

(17) "SA" 940+00.00, 60.5'± LT TO "SA" 940+08.70, 60.5'± LT; "SA" 940+91.62, 60.5'± LT TO "SA" 941+21.86, 60.5'± LT; "SA" 943+71.58, 60.5'± LT TO "SA" 943+96.25, 60.5'± LT; "SA" 945+27.45, 60.5'± LT TO "SA" 945+52.12, 60.5'± LT; "SA" 944+46.88, 60.6'± RT TO "SA" 944+95.08, 60.6'± RT; "SA" 946+13.53, 60.6'± RT TO "SA" 946+54.83, 60.6'± RT — CONSTRUCT SINGLE FAMILY DRIVEWAY PER DETAIL "I" (SEE SHEET SD-5) AND CONSTRUCT ASSOCIATED TYPE 5 CONCRETE CURB AND GUTTER PER NDOT STD. R-5.1.1.

(24) "SA" 948+17.73, 67.0'± LT A=8.0'; "SA" 950+61.13, 63.9'± LT A=8.0' — CONSTRUCT TYPE E CURB RAMP PER NDOT STD. R-5.3.3.

(25) "SA" 948+17.73, 67.0'± LT; "SA" 950+11.15, 67.0'± LT; "SA" 950+61.13, 63.9'± LT — RECONSTRUCT CONCRETE CROSS GUTTER SPANDRAL PER DETAIL "H" (SEE SHEET SD-4).

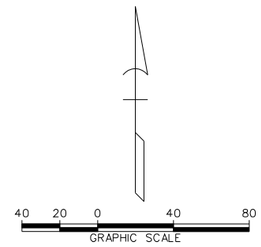
(27) "SA" 950+14.88, 62.4'± RT A=8.0', B=8.0' — CONSTRUCT TYPE C CURB RAMP PER NDOT STD. R-5.2.2.

(29) "SA" 949+00.00, 60.5'± LT TO "SA" 949+55.00, 60.5'± LT — CONSTRUCT CONCRETE BUS PAD SHELTER PER USDCA DWG. NO. 234.2. SEE SHEET SD-14 FOR SHELTER CLASSIFICATION TABLE.

(33) "SA" 950+11.15, 67.0'± LT — CONSTRUCT MODIFIED CURB RAMP PER DETAIL "N" (SEE SHEET SD-8).

(34) "SA" 947+60.80, 70.3'± LT — INSTALL DETECTABLE WARNING.

(38) "SA" 940+33, 64.5± LT; "SA" 940+62, 64.5± LT; "SA" 941+57, 64.5± LT; "SA" 942+19, 64.5± LT; "SA" 942+53, 64.5± LT; "SA" 942+91, 64.5± LT; "SA" 943+35, 64.5± LT; "SA" 944+14, 64.5± LT; "SA" 944+83, 64.5± LT; "SA" 945+12, 64.5± LT; "SA" 945+83, 64.5± LT; "SA" 946+28, 64.5± LT; "SA" 946+74, 64.5± LT; "SA" 947+08, 64.5± LT; "SA" 948+76, 64.5± LT; "SA" 949+81, 64.5± LT; "SA" 951+23, 64.6± LT; "SA" 944+30, 60.6± RT; "SA" 945+36, 60.6± RT; "SA" 945+78, 60.6± RT; "SA" 946+67, 60.6± RT — CONSTRUCT TREE WELL PER DETAIL ON SHEET SD-1.



AVOID CUTTING UNDERGROUND UTILITY LINES, ITS CONTROL
Call 811
1-800-227-2600

FAST
Call before you UnderGround
1-702-432-5300
FREEWAY AND ARTERIAL SYSTEMS OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES, ITS CONTROL
CALL BEFORE YOU DO OVERHEAD
1-702-227-2929

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

CONSTRUCTION PLAN

"SA" 940+00 to "SA" 952+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: JPL CHECKED BY: KK
APPROVED BY RJP

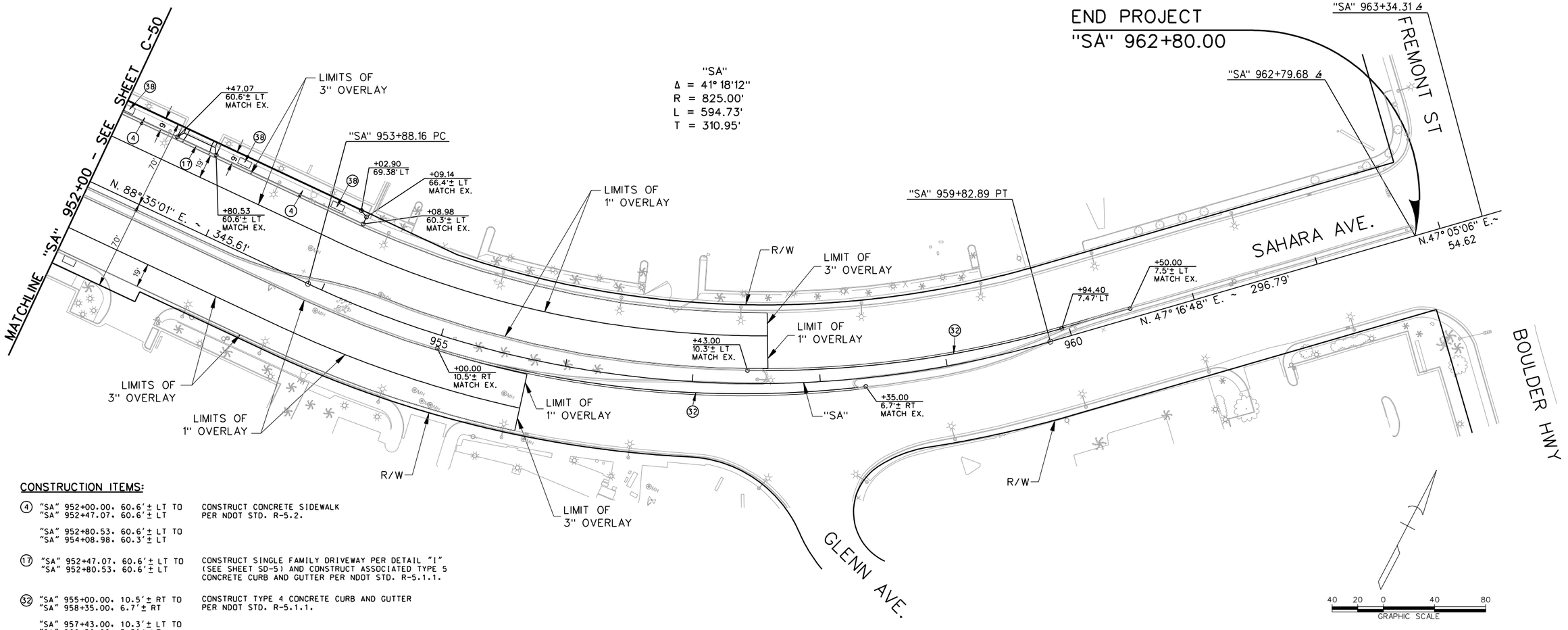
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. C-50

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012



CONSTRUCTION ITEMS:

④	"SA" 952+00.00, 60.6'± LT TO "SA" 952+47.07, 60.6'± LT	CONSTRUCT CONCRETE SIDEWALK PER NDOT STD. R-5.2.
	"SA" 952+80.53, 60.6'± LT TO "SA" 954+08.98, 60.3'± LT	
⑰	"SA" 952+47.07, 60.6'± LT TO "SA" 952+80.53, 60.6'± LT	CONSTRUCT SINGLE FAMILY DRIVEWAY PER DETAIL "I" (SEE SHEET SD-5) AND CONSTRUCT ASSOCIATED TYPE 5 CONCRETE CURB AND GUTTER PER NDOT STD. R-5.1.1.
㉜	"SA" 955+00.00, 10.5'± RT TO "SA" 958+35.00, 6.7'± RT	CONSTRUCT TYPE 4 CONCRETE CURB AND GUTTER PER NDOT STD. R-5.1.1.
	"SA" 957+43.00, 10.3'± LT TO "SA" 960+50.00, 7.5'± LT	
㊳	"SA" 952+03, 60.6± LT "SA" 953+03, 60.6± LT "SA" 953+84, 60.6± LT	CONSTRUCT TREE WELL PER DETAIL ON SHEET SD-1.

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY.
Call 811 or 1-800-227-2600
FAST
Call before you UnderGround
1-702-432-5300
FEDERAL AID INTERSTATE SYSTEM OF TRANSPORTATION
AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY.
CALL BEFORE YOU DO OVERHEAD
1-702-227-2929

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

CONSTRUCTION PLAN

"SA" 952+00 to "SA" 963+50

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: JPL CHECKED BY: KK
APPROVED BY RJP

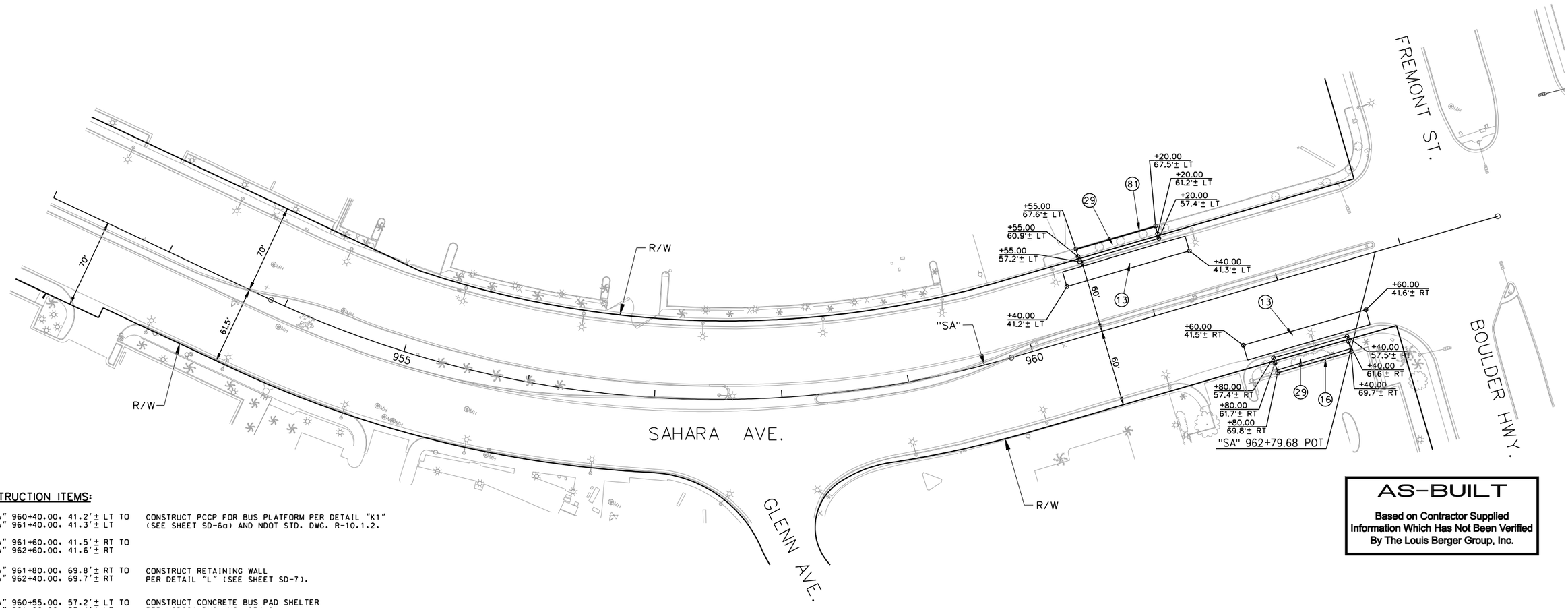
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. C-51

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012



CONSTRUCTION ITEMS:

(13)	"SA" 960+40.00. 41.2'± LT TO "SA" 961+40.00. 41.3'± LT	CONSTRUCT PCCP FOR BUS PLATFORM PER DETAIL "K1" (SEE SHEET SD-6a) AND NDOT STD. DWG. R-10.1.2.
	"SA" 961+60.00. 41.5'± RT TO "SA" 962+60.00. 41.6'± RT	
(16)	"SA" 961+80.00. 69.8'± RT TO "SA" 962+40.00. 69.7'± RT	CONSTRUCT RETAINING WALL PER DETAIL "L" (SEE SHEET SD-7).
(29)	"SA" 960+55.00. 57.2'± LT TO "SA" 961+20.00. 57.4'± LT	CONSTRUCT CONCRETE BUS PAD SHELTER PER USDCCA DWG. NO. 234.2.
	"SA" 961+80.00. 57.4'± RT TO "SA" 962+40.00. 57.5'± RT	
(81)	"SA" 960+55.00. 67.6'± LT TO "SA" 961+20.00. 67.5'± LT	CONSTRUCT 10-INCH CONCRETE CURB AT BACK OF BUS SHELTER PAD.

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

Call before you Dig — Call 811 or 1-800-227-2600
FAST — Call before you UnderGround 1-702-432-5300
CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
1	9/30/13	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

CONSTRUCTION PLAN

"SA" 952+00 to "SA" 962+79.68

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

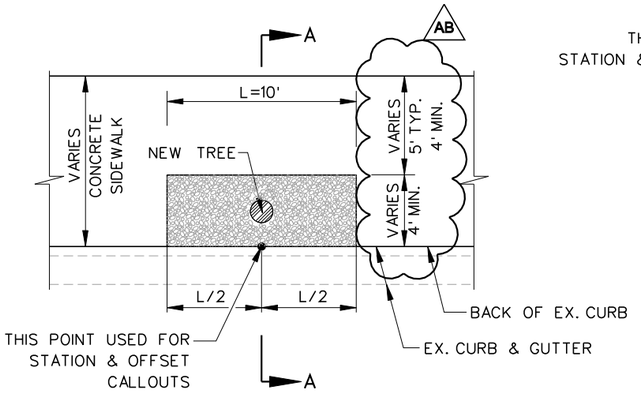
PROJECT No: CB 1083 DRAWN BY: JPS
DESIGNED BY: JSD CHECKED BY: KK
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

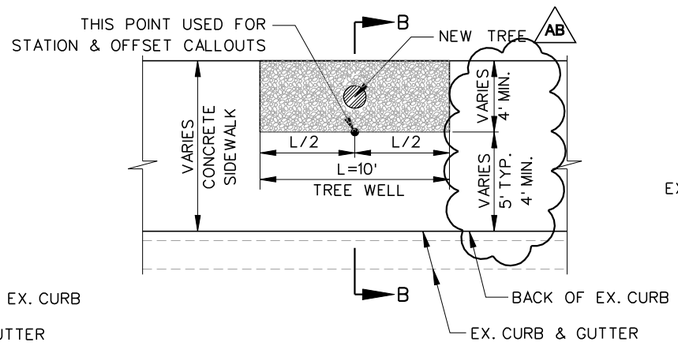
SCALE
HORIZ : AS SHOWN
VERT : NONE
FIELD BOOK : NONE

SHEET No. C-51a

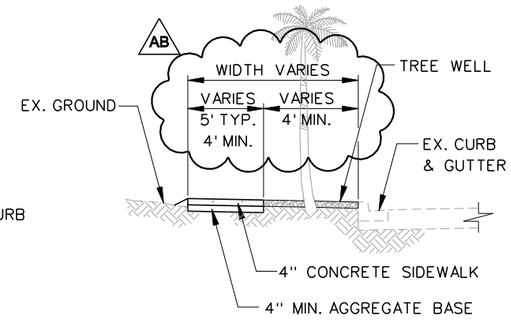
AS-BUILT - 09.30.2013



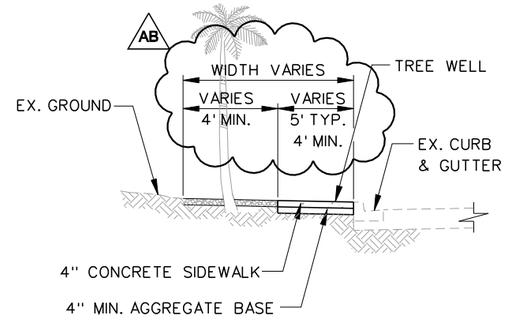
PLAN – TREE WELL AT BACK OF CURB



PLAN – TREE WELL AT BACK OF WALK

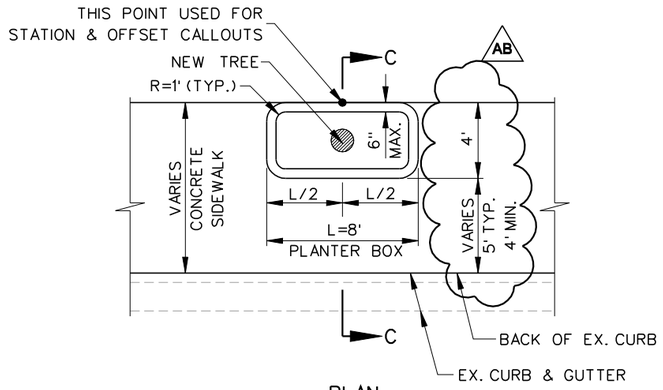


SECTION A–A

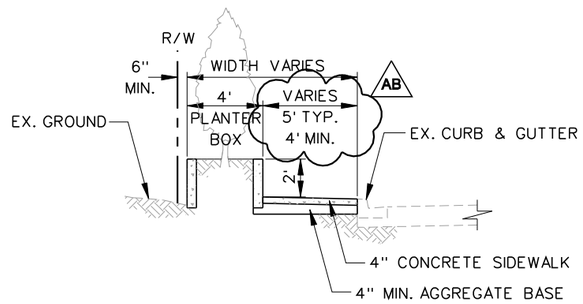


SECTION B–B

TREE WELL



PLAN



SECTION C–C

TREE WELL WITH PLANTER BOX

TREE WELL NOTES:

1. WHERE WIDTH VARIES, SEE CONSTRUCTION PLANS.
2. FOR DETAILS NOT SHOWN, SEE NDOT STD. R-5.2.
3. SEE CONSTRUCTION PLANS FOR LOCATIONS.
4. FOR LANDSCAPING INFORMATION, SEE PLANTING PLANS.
5. WHERE PROPOSED SIDEWALK WIDTH IS 9' OR GREATER, W=5'.
   WHERE PROPOSED SIDEWALK WIDTH IS LESS THAN 9', W=4.5'.

AB

SIDEWALK WIDTH	TREE WELL WIDTH	ADA PATH WIDTH
8.0' TO 9.0'	4.0'	4.0' TO 5.0'
9.0' TO 10.0'	4.0' TO 5.0'	5.0'
10.0' AND GREATER	5.0'	GREATER THAN 5.0'

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
SPECIAL DETAILS

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: KK CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: 1" = 10'
VERT: NONE
FIELD BOOK: NONE

SHEET No. SD-1

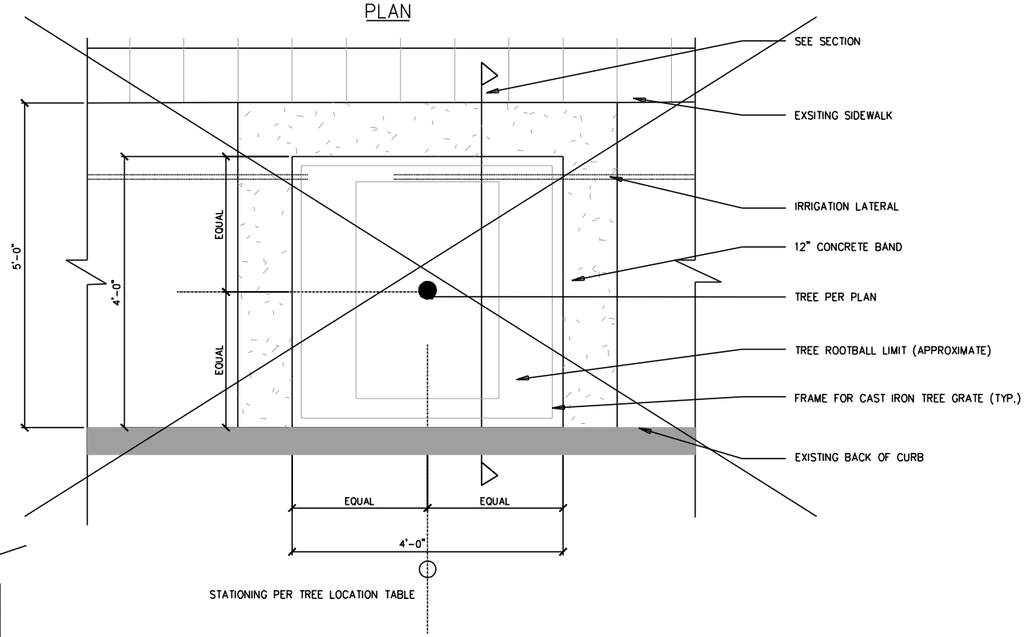
SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

AB

NOTE:
CONTRACTOR SHALL INSTALL 4-INCH CONCRETE SIDEWALK TO REDUCE TREE WELL LENGHTS FROM 10.0' TO 5.0' PER THE TREE WELL LOCATION TABLES.

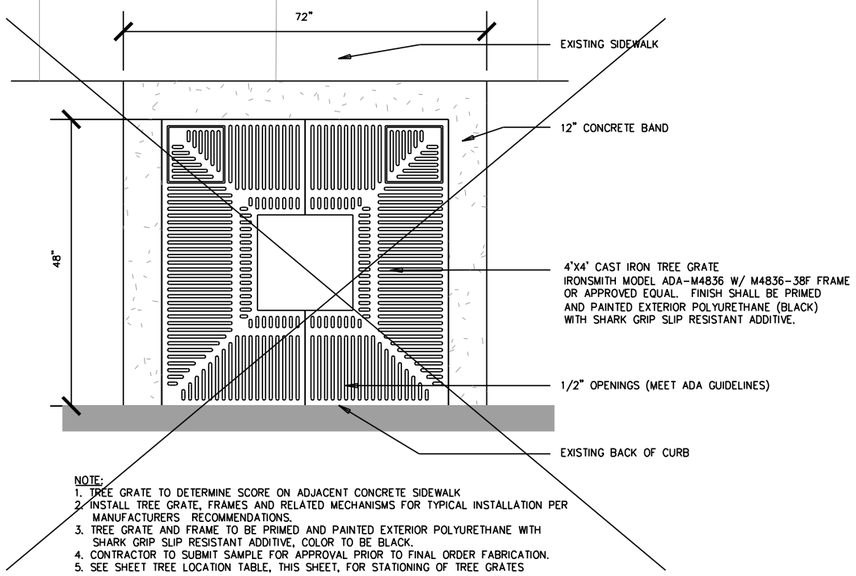
PLAN



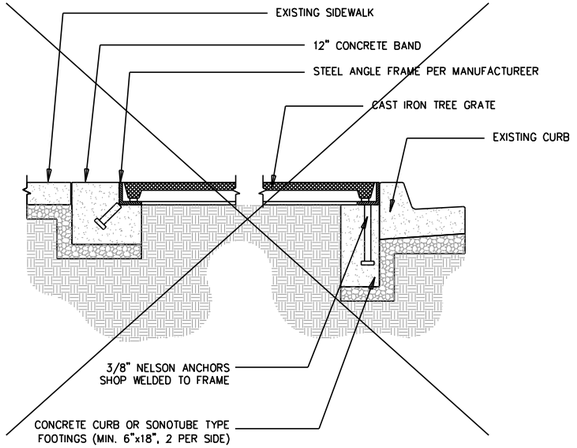
STATIONING PER TREE LOCATION TABLE

AB

NOTE: THIS DETAIL IS FOR DESIGN INTENT ONLY. CONTRACTOR TO PROVIDE SHOP DRAWINGS, STRUCTURAL AND CUT SHEETS TO OWNER FOR APPROVAL PRIOR TO CONSTRUCTION.



NOTE:
1. TREE GRATE TO DETERMINE SCORE ON ADJACENT CONCRETE SIDEWALK
2. INSTALL TREE GRATE, FRAMES AND RELATED MECHANISMS FOR TYPICAL INSTALLATION PER MANUFACTURERS RECOMMENDATIONS.
3. TREE GRATE AND FRAME TO BE PRIMED AND PAINTED EXTERIOR POLYURETHANE WITH SHARK GRIP SLIP RESISTANT ADDITIVE, COLOR TO BE BLACK.
4. CONTRACTOR TO SUBMIT SAMPLE FOR APPROVAL PRIOR TO FINAL ORDER FABRICATION.
5. SEE SHEET TREE LOCATION TABLE, THIS SHEET, FOR STATIONING OF TREE GRATES



SECTION

NOTE: THIS DETAIL IS FOR DESIGN INTENT ONLY. CONTRACTOR TO PROVIDE SHOP DRAWINGS, STRUCTURAL AND CUT SHEETS TO OWNER FOR APPROVAL PRIOR TO CONSTRUCTION.

AB

TREE WELL LOCATIONS:

"Pe" 139+46. 60.4'± LT	"Pe" 200+23. 60.7'± LT	"SA" 847+20. 60.8'± LT	"SA" 904+84. 65.0'± LT
"Pe" 139+91. 60.4'± LT	"Pe" 200+68. 60.7'± LT	"SA" 848+10. 60.8'± LT	"SA" 906+35. 64.5'± LT
"Pe" 140+37. 60.4'± LT	"Pe" 201+13. 60.7'± LT	"SA" 848+55. 60.8'± LT	"SA" 906+80. 64.5'± LT
"Pe" 140+82. 60.4'± LT	"Pe" 201+63. 60.7'± LT	"SA" 850+48. 60.7'± LT	"SA" 906+24. 65.0'± LT
"Pe" 136+95. 60.8'± RT	"Pe" 200+76. 60.4'± RT	"SA" 850+93. 60.7'± LT	"SA" 915+41. 64.4'± LT
"Pe" 138+09. 60.8'± RT	"Pe" 201+13. 60.4'± RT	"SA" 854+67. 60.3'± LT	"SA" 915+79. 64.4'± LT
"Pe" 138+72. 60.8'± RT	"Pe" 203+49. 60.5'± RT	"SA" 855+57. 60.3'± LT	"SA" 904+90. 60.0'± RT
"Pe" 139+15. 60.8'± RT	"Pe" 204+18. 60.5'± RT	"SA" 844+12. 60.6'± RT	"SA" 905+20. 60.0'± RT
"Pe" 139+51. 60.8'± RT	"Pe" 205+16. 60.5'± RT	"SA" 844+81. 60.6'± RT	"SA" 905+67. 60.0'± RT
"Pe" 139+92. 60.8'± RT	"Pe" 205+87. 60.5'± RT	"SA" 845+02. 60.6'± RT	"SA" 906+12. 60.0'± RT
"Pe" 140+38. 60.8'± RT	"Pe" 506+30. 60.5'± RT	"SA" 845+26. 60.6'± RT	"SA" 906+66. 60.0'± RT
"Pe" 140+83. 60.8'± RT	"Pe" 208+23. 60.5'± RT	"SA" 845+48. 60.6'± RT	"SA" 907+67. 60.0'± RT
"Pe" 142+47. 60.2'* LT	"Pe" 208+69. 60.5'± RT	"SA" 845+71. 60.6'± RT	"SA" 908+13. 60.0'± RT
"Pe" 142+98. 60.2'* LT	"Pe" 209+65. 60.5'± RT	"SA" 845+93. 60.6'± RT	"SA" 909+71. 60.0'± RT
"Pe" 143+51. 60.2'* LT	"Pe" 211+25. 60.5'± RT	"SA" 846+19. 60.6'± RT	"SA" 913+93. 60.6'± RT
"Pe" 144+27. 60.2'* LT	"Pe" 211+67. 60.5'± RT	"SA" 846+40. 60.6'± RT	"SA" 914+38. 60.6'± RT
"Pe" 144+62. 60.2'* LT	"Pe" 222+42. 60.4'± LT	"SA" 846+63. 60.6'± RT	"SA" 916+22. 64.4'± LT
"Pe" 144+99. 60.2'* LT	"Pe" 222+81. 60.4'± LT	"SA" 848+84. 60.6'± RT	"SA" 916+73. 64.4'± LT
"Pe" 145+43. 60.2'* LT	"Pe" 223+19. 60.4'± RT	"SA" 849+17. 60.6'± RT	"SA" 918+47. 64.5'± LT
"Pe" 148+44. 60.2'* LT	"Pe" 223+65. 60.4'± RT	"SA" 849+56. 60.6'± RT	"SA" 919+76. 64.5'± LT
"Pe" 148+90. 60.2'* LT	"Pe" 224+85. 60.4'± RT	"SA" 850+43. 60.6'± RT	"SA" 920+58. 64.5'± LT
"Pe" 149+38. 60.2'* LT	"SA" 807+60. 60.4'± LT	"SA" 851+60. 60.7'± RT	"SA" 921+42. 64.5'± LT
"Pe" 150+89. 60.8'* LT	"SA" 805+71. 60.6'± RT	"SA" 851+99. 60.7'± RT	"SA" 921+90. 64.5'± LT
"Pe" 151+33. 60.8'* LT	"SA" 806+70. 60.6'± RT	"SA" 852+44. 60.7'± RT	"SA" 922+30. 64.5'± LT
"Pe" 152+37. 60.8'* LT	"SA" 807+27. 60.6'± RT	"SA" 853+79. 60.5'± RT	"SA" 924+86. 64.5'± LT
"Pe" 152+82. 60.8'* LT	"SA" 807+80. 60.6'± RT	"SA" 854+24. 60.5'± RT	"SA" 925+34. 64.5'± LT
"Pe" 142+48. 60.6'* RT	"SA" 809+04. 64.5'± LT	"SA" 855+59. 60.7'± RT	"SA" 925+79. 64.5'± LT
"Pe" 142+99. 60.6'* RT	"SA" 809+53. 60.5'± LT	"SA" 858+30. 60.3'± LT	"SA" 926+24. 64.5'± LT
"Pe" 143+52. 60.6'* RT	"SA" 810+54. 60.5'± LT	"SA" 859+77. 60.3'± LT	"SA" 926+69. 64.5'± LT
"Pe" 144+27. 60.6'* RT	"SA" 811+59. 64.5'± LT	"SA" 860+22. 60.3'± LT	"SA" 927+21. 64.5'± LT
"Pe" 144+62. 60.6'* RT	"SA" 812+74. 60.5'± LT	"SA" 861+28. 60.3'± LT	"SA" 928+00. 64.5'± LT
"Pe" 145+00. 60.6'* RT	"SA" 818+74. 64.5'± LT	"SA" 861+73. 60.3'± LT	"SA" 917+50. 60.6'± RT
"Pe" 145+44. 60.6'* RT	"SA" 819+90. 60.8'± LT	"SA" 862+45. 60.3'± LT	"SA" 918+08. 60.6'± RT
"Pe" 147+35. 60.6'* RT	"SA" 808+33. 60.6'± RT	"SA" 862+90. 60.3'± LT	"SA" 918+53. 60.6'± RT
"Pe" 149+00. 60.6'* RT	"SA" 808+78. 60.6'± RT	"SA" 865+03. 60.3'± LT	"SA" 919+01. 60.6'± RT
"Pe" 149+49. 60.6'* RT	"SA" 809+49. 60.6'± RT	"SA" 865+48. 60.3'± LT	"SA" 919+46. 60.6'± RT
"Pe" 149+97. 60.6'* RT	"SA" 809+86. 60.6'± RT	"SA" 865+93. 60.3'± LT	"SA" 920+80. 60.6'± RT
"Pe" 151+02. 60.6'* RT	"SA" 810+47. 60.6'± RT	"SA" 870+02. 64.8'± LT	"SA" 921+24. 60.6'± RT
"Pe" 151+87. 60.6'* RT	"SA" 811+92. 60.6'± RT	"SA" 871+24. 64.8'± LT	"SA" 922+78. 60.6'± RT
"Pe" 152+37. 60.6'* RT	"SA" 812+43. 60.6'± RT	"SA" 871+96. 64.8'± LT	"SA" 924+82. 60.5'± RT
"Pe" 152+82. 60.6'* RT	"SA" 812+80. 65.0'± RT	"SA" 874+44. 60.3'± LT	"SA" 925+72. 60.5'± RT
"Pe" 154+73. 60.5'± LT	"SA" 814+84. 60.5'± RT	"SA" 876+14. 60.3'± LT	"SA" 926+17. 60.5'± RT
"Pe" 155+23. 60.5'± LT	"SA" 815+29. 60.5'± RT	"SA" 877+41. 60.3'± LT	"SA" 927+12. 60.5'± RT
"Pe" 156+75. 60.4'± LT	"SA" 816+24. 60.5'± RT	"SA" 879+72. 64.8'± LT	"SA" 927+57. 60.5'± RT
"Pe" 157+80. 60.4'± LT	"SA" 816+71. 60.5'± RT	"SA" 881+22. 65.3'± LT	"SA" 928+40. 64.5'± LT
"Pe" 153+27. 60.6'± RT	"SA" 817+03. 60.5'± RT	"SA" 881+67. 65.3'± LT	"SA" 928+65. 64.5'± LT
"Pe" 154+36. 60.6'± RT	"SA" 820+21. 60.6'± LT	"SA" 885+98. 65.5'± LT	"SA" 929+64. 64.5'± LT
"Pe" 154+88. 60.6'± RT	"SA" 820+70. 60.6'± LT	"SA" 886+43. 65.5'± LT	"SA" 929+93. 64.5'± LT
"Pe" 155+39. 60.6'± RT	"SA" 821+64. 60.6'± LT	"SA" 886+90. 65.5'± LT	"SA" 930+35. 64.5'± LT
"Pe" 156+34. 60.6'± RT	"SA" 822+08. 60.6'± LT	"SA" 887+74. 65.5'± LT	"SA" 931+82. 64.5'± LT
"Pe" 158+42. 60.7'± RT	"SA" 822+50. 60.6'± LT	"SA" 888+19. 65.5'± LT	"SA" 932+16. 64.5'± LT
"Pe" 158+88. 60.7'± RT	"SA" 822+83. 60.6'± LT	"SA" 888+64. 65.5'± LT	"SA" 932+58. 64.5'± LT
"Pe" 159+32. 69.5'± RT	"SA" 823+16. 60.6'± LT	"SA" 889+17. 65.5'± LT	"SA" 933+12. 64.5'± LT
"Pe" 161+20. 60.5'± RT	"SA" 825+57. 60.6'± LT	"SA" 889+62. 65.5'± LT	"SA" 934+54. 64.5'± LT
"Pe" 162+27. 60.5'± RT	"SA" 827+60. 60.8'± LT	"SA" 891+06. 64.5'± LT	"SA" 934+99. 64.5'± LT
"Pe" 163+55. 60.5'± RT	"SA" 828+18. 60.8'± LT	"SA" 891+52. 64.5'± LT	"SA" 935+55. 64.5'± LT
"Pe" 164+87. 60.5'± RT	"SA" 831+16. 60.6'± LT	"SA" 892+00. 64.5'± LT	"SA" 938+51. 64.5'± LT
"Pe" 174+93. 60.4'± LT	"SA" 831+62. 60.6'± LT	"SA" 885+41. 60.8'± RT	"SA" 938+93. 64.5'± LT
"Pe" 175+33. 60.4'± LT	"SA" 820+21. 60.7'± RT	"SA" 885+86. 60.8'± RT	"SA" 939+38. 64.5'± LT
"Pe" 165+32. 60.5'± RT	"SA" 820+68. 60.7'± RT	"SA" 886+50. 60.8'± RT	"SA" 928+02. 60.5'± RT
"Pe" 166+21. 60.5'± RT	"SA" 820+97. 60.7'± RT	"SA" 888+14. 60.8'± RT	"SA" 928+37. 60.5'± RT
"Pe" 167+11. 60.5'± RT	"SA" 821+29. 60.7'± RT	"SA" 888+45. 60.8'± RT	"SA" 929+40. 60.5'± RT
"Pe" 167+46. 60.5'± RT	"SA" 821+76. 60.7'± RT	"SA" 889+65. 60.8'± RT	"SA" 929+85. 60.5'± RT
"Pe" 168+25. 60.5'± RT	"SA" 822+45. 60.7'± RT	"SA" 890+20. 60.8'± RT	"SA" 930+30. 60.5'± RT
"Pe" 168+88. 60.5'± RT	"SA" 822+68. 65.1'± RT	"SA" 892+35. 64.5'± LT	"SA" 931+24. 60.5'± RT
"Pe" 169+45. 60.5'± RT	"SA" 823+89. 60.6'± RT	"SA" 892+88. 64.5'± LT	"SA" 931+69. 60.5'± RT
"Pe" 171+30. 60.5'± RT	"SA" 825+07. 60.4'± RT	"SA" 893+33. 64.5'± LT	"SA" 932+30. 60.5'± RT
"Pe" 171+97. 60.5'± RT	"SA" 825+80. 64.4'± RT	"SA" 894+16. 64.5'± LT	"SA" 932+75. 60.5'± RT
"Pe" 172+53. 60.5'± RT	"SA" 827+32. 60.6'± RT	"SA" 894+69. 64.5'± LT	"SA" 933+24. 60.5'± RT
"Pe" 172+99. 60.5'± RT	"SA" 827+70. 64.8'± RT	"SA" 895+48. 64.5'± LT	"SA" 933+69. 60.5'± RT
"Pe" 173+42. 60.5'± RT	"SA" 828+07. 64.8'± RT	"SA" 896+06. 64.5'± LT	"SA" 931+15. 60.5'± RT
"Pe" 174+93. 60.5'± RT	"SA" 829+31. 60.6'± RT	"SA" 896+94. 64.5'± LT	"SA" 935+06. 60.5'± RT
"Pe" 175+33. 60.5'± RT	"SA" 830+31. 60.6'± RT	"SA" 898+57. 64.5'± LT	"SA" 935+51. 60.5'± RT
"Pe" 189+64. 65.7'± LT	"SA" 839+35. 60.5'± LT	"SA" 898+88. 64.5'± LT	"SA" 936+09. 60.5'± RT
"Pe" 190+65. 65.7'± LT	"SA" 839+57. 60.5'± LT	"SA" 899+79. 64.5'± LT	"SA" 940+33. 64.5'± LT
"Pe" 191+11. 65.7'± LT	"SA" 840+66. 60.5'± LT	"SA" 901+17. 65.0'± LT	"SA" 940+62. 64.5'± LT
"Pe" 191+56. 65.7'± LT	"SA" 842+77. 60.2'± LT	"SA" 902+26. 65.0'± LT	"SA" 941+57. 64.5'± LT
"Pe" 192+40. 65.7'± LT	"SA" 842+96. 60.2'± LT	"SA" 892+01. 60.8'± RT	"SA" 942+19. 64.5'± LT
"Pe" 192+81. 65.7'± LT	"SA" 843+16. 60.2'± LT	"SA" 892+35. 60.8'± RT	"SA" 942+53. 64.5'± LT
"Pe" 193+47. 65.7'± LT	"SA" 841+82. 60.5'± LT	"SA" 892+88. 60.8'± RT	"SA" 942+91. 64.5'± LT
"Pe" 193+92. 65.7'± LT	"SA" 843+35. 60.2'± LT	"SA" 893+33. 60.8'± RT	"SA" 943+35. 64.5'± LT
"Pe" 195+17. 65.6'± LT	"SA" 832+01. 60.6'± RT	"SA" 894+85. 64.0'± LT	"SA" 944+14. 64.5'± LT
"Pe" 195+61. 65.6'± LT	"SA" 832+45. 60.6'± RT	"SA" 895+30. 64.0'± LT	"SA" 944+83. 64.5'± LT
"Pe" 196+06. 65.6'± LT	"SA" 833+00. 60.6'± RT	"SA" 896+24. 60.8'± RT	"SA" 945+12. 64.5'± LT
"Pe" 194+98. 66.0'± LT	"SA" 833+46. 64.9'± RT	"SA" 896+69. 60.8'± RT	"SA" 945+83. 64.5'± LT
"Pe" 198+42. 66.0'± LT	"SA" 833+92. 64.9'± RT	"SA" 897+14. 60.8'± RT	"SA" 946+28. 64.5'± LT
"Pe" 198+86. 66.0'± LT	"SA" 834+99. 60.6'± RT	"SA" 899+00. 60.0'± RT	"SA" 946+74. 64.5'± LT
"Pe" 199+29. 66.0'± LT	"SA" 835+22. 60.6'± RT	"SA" 900+69. 60.0'± RT	"SA" 947+08. 64.5'± LT
"Pe" 199+76. 61.0'± LT	"SA" 835+44. 60.6'± RT	"SA" 901+04. 60.0'± RT	"SA" 948+76. 64.5'± LT
"Pe" 190+88. 60.6'± RT	"SA" 835+67. 60.6'± RT	"SA" 902+01. 60.0'± RT	"SA" 949+81. 64.5'± LT
"Pe" 191+34. 60.6'± RT	"SA" 835+94. 60.6'± RT	"SA" 902+56. 60.0'± RT	"SA" 951+23. 64.6'± LT
"Pe" 192+14. 60.6'± RT	"SA" 836+22. 60.6'± RT	"SA" 902+96. 60.0'± RT	"SA" 944+30. 60.6'± RT
"Pe" 193+02. 60.5'± RT	"SA" 836+87. 60.6'± RT	"SA" 903+57. 60.0'± RT	"SA" 945+36. 60.6'± RT
"Pe" 193+48. 60.5'± RT	"SA" 837+10. 60.6'± RT		"SA" 945+78. 60.6'± RT
"Pe" 193+93. 60.5'± RT	"SA" 837+33. 60.6'± RT		"SA" 946+67. 60.6'± RT
"Pe" 194+29. 60.5'± RT	"SA" 837+87. 60.6'± RT		"SA" 952+03. 60.6'± LT
"Pe" 195+17. 60.5'± RT	"SA" 838+09. 60.6'± RT		"SA" 953+03. 60.6'± LT
"Pe" 195+62. 60.5'± RT	"SA" 839+87. 60.6'± RT		"SA" 953+84. 60.6'± LT
"Pe" 196+07. 60.5'± RT	"SA" 839+41. 60.6'± RT		
"Pe" 196+60. 60.5'± RT	"SA" 839+63. 60.6'± RT		
"Pe" 197+99. 60.5'± RT	"SA" 842+84. 60.6'± RT		
"Pe" 199+77. 60.4'± RT			

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

SAHARA AVENUE , BUS/BIKE LANE ALTERNATIVE

AS-BUILT - 09.30.2013

REV. NO.	DATE	DESCRIPTION	APPROVED
1	9/30/13	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

SPECIAL DETAILS

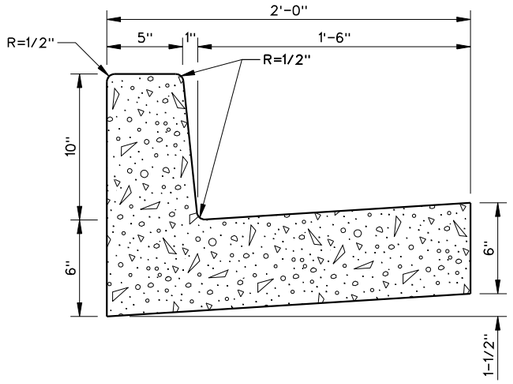
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: ELC
DESIGNED BY: ALB CHECKED BY: KK
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-8632 • FAX (702) 736-0704

SCALE
HORIZ : NONE
VERT : NONE
FIELD BOOK :
NONE

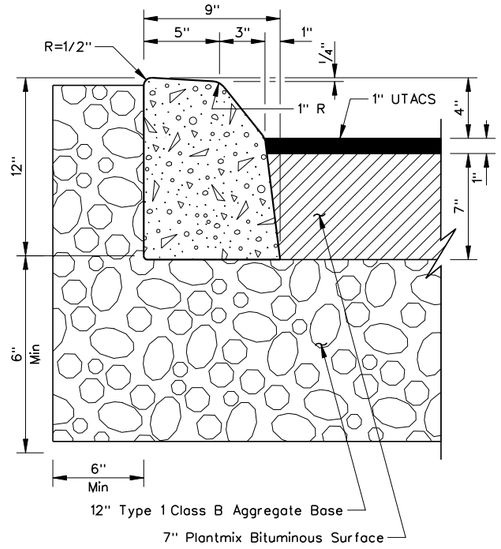
SHEET No.
SD-1a



CURB AND GUTTER (10" SPECIAL)

DETAIL "A"

N.T.S.



ISLAND CURB (TYPE A)

(FOR DETAILS NOT SHOWN SEE USDCCA DWG. NO 219)

DETAIL "B"

N.T.S.

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
A	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

SPECIAL DETAILS

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: SSM
DESIGNED BY: KK CHECKED BY: RJP
APPROVED BY RJP

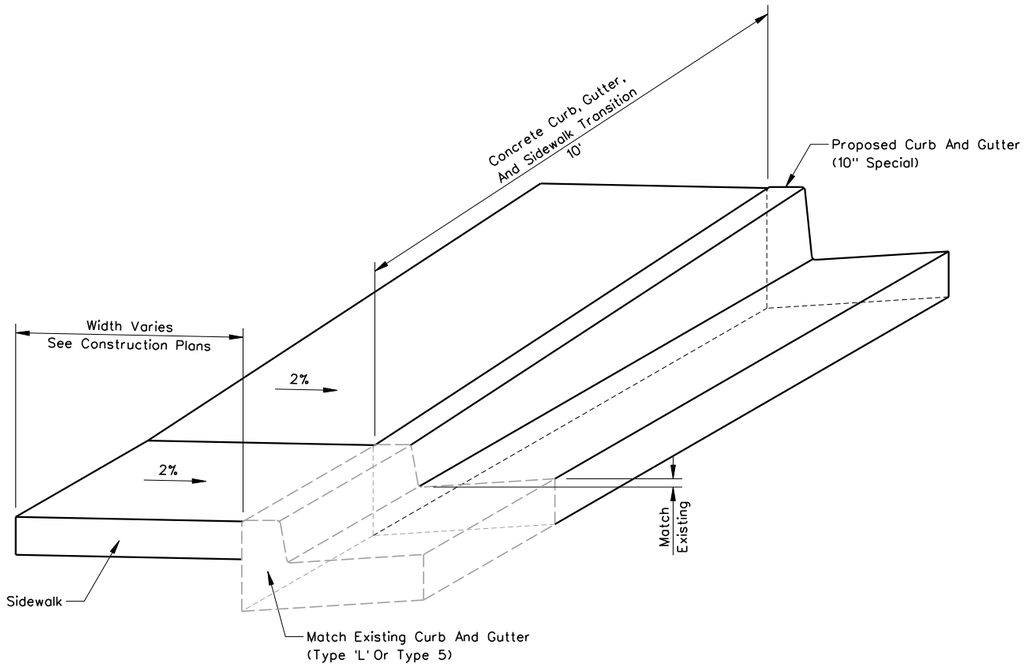
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: NONE
VERT: NONE
FIELD BOOK: NONE

SHEET No. SD-2

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

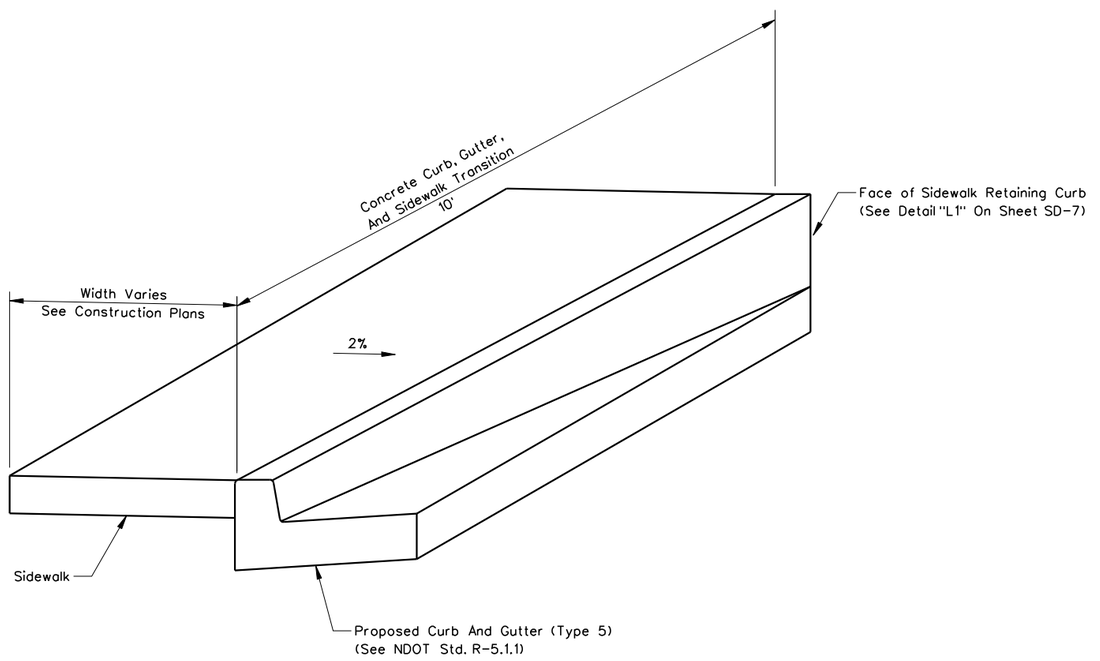
AS - BUILT - 05.31.2012



CURB, GUTTER, AND SIDEWALK TRANSITION

DETAIL "C"

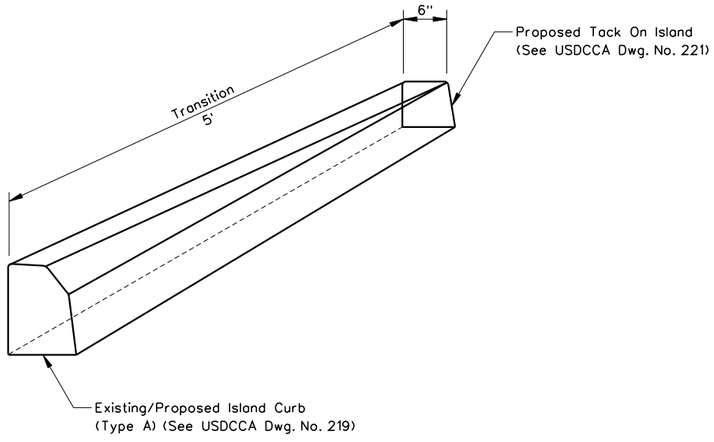
N.T.S.



CURB AND GUTTER (TYPE 5) TO SIDEWALK
RETAINING CURB TRANSITION

DETAIL "E"

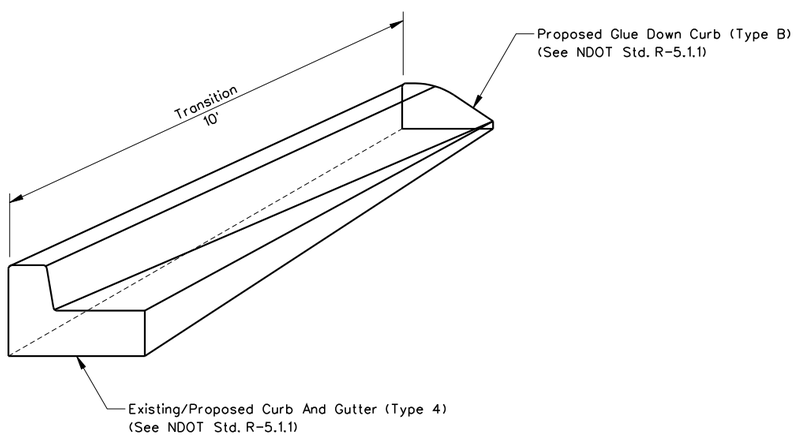
N.T.S.



ISLAND CURB (TYPE A) TO TACK ON ISLAND TRANSITION

DETAIL "D"

N.T.S.



CURB AND GUTTER (TYPE 4) TO GLUE DOWN CURB (TYPE B) TRANSITION

DETAIL "F"

N.T.S.

AS-BUILT

Based on Contractor Supplied
Information Which Has Not Been Verified
By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

SPECIAL DETAILS

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: SSM
DESIGNED BY: KK CHECKED BY: RJP
APPROVED BY RJP

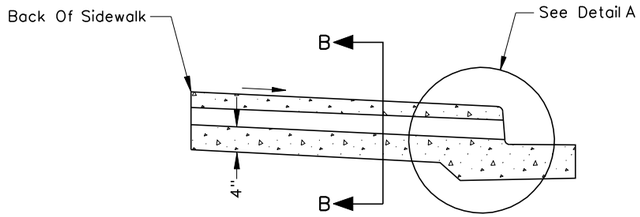
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

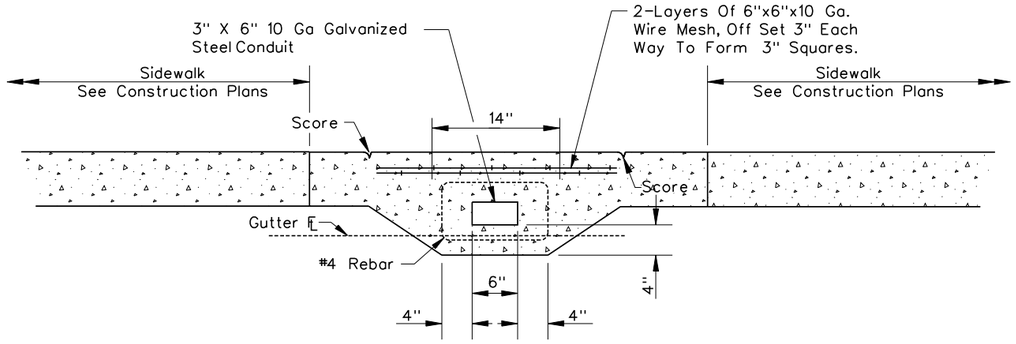
SCALE
HORIZ : NONE
VERT : NONE
FIELD BOOK : NONE

SHEET No. SD-3

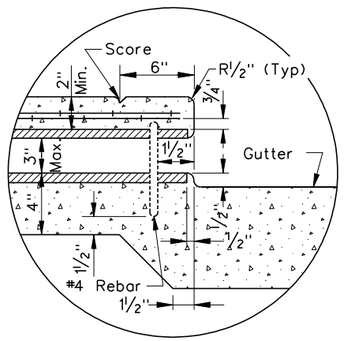
SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012





SECTION B-B
TRANSVERSE TO DRAIN

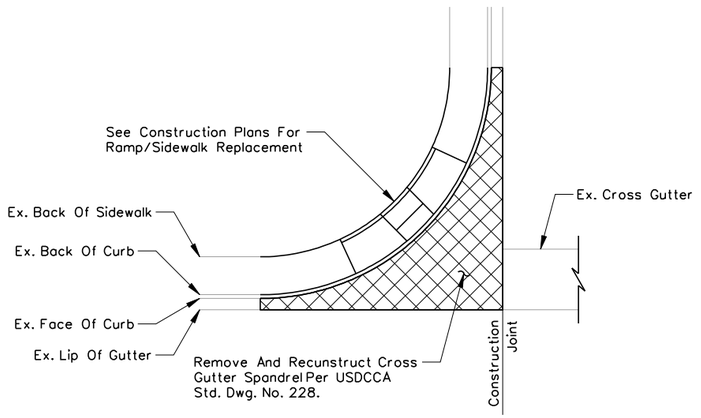


DETAIL A

SIDEWALK DRAIN

DETAIL "G"

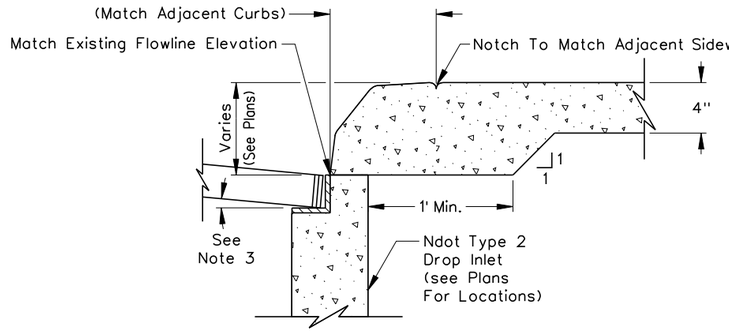
N.T.S.



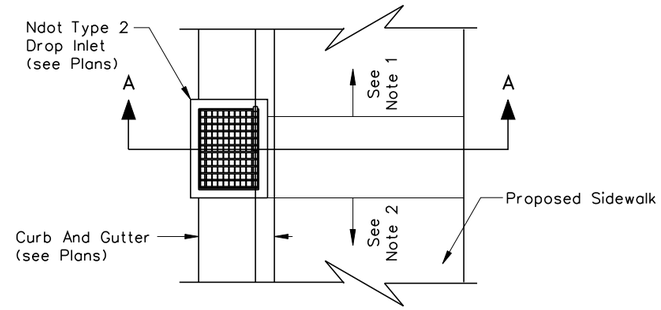
RECONSTRUCT CROSS GUTTER SPANDREL

DETAIL "H"

N.T.S.



Section A-A



NOTES:

1. REFER TO SIDEWALK RAMP OR DRIVEWAY DETAIL. SEE CONSTRUCTION PLANS.
2. REFER TO SIDEWALK DETAIL. SEE CONSTRUCTION PLANS.
3. SLOPE GRATE TO MATCH EXISTING GRATE SLOPE.

INLET CURB DETAIL

N.T.S.

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
SPECIAL DETAILS

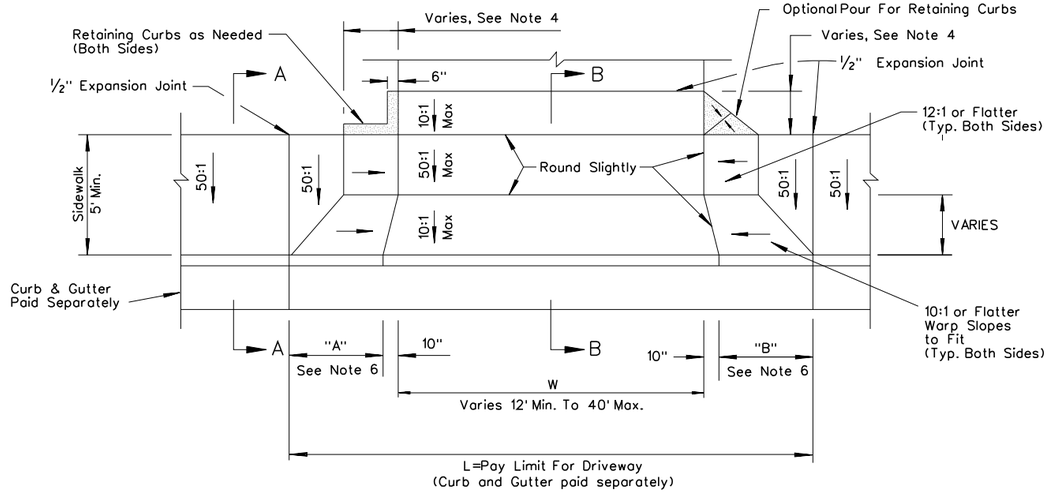
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: JPS
DESIGNED BY: JSD CHECKED BY: RJP
APPROVED BY

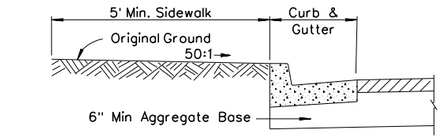
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-8632 • FAX (702) 736-0704

SCALE
HORIZ: NONE
VERT: NONE
FIELD BOOK: NONE

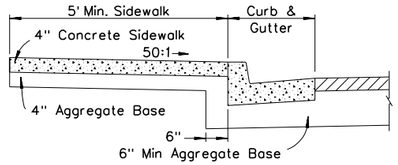
SHEET No.
SD-4
Sheet 140 of 592



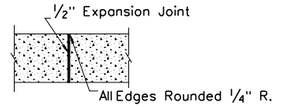
SECTION A-A
(ORIGINAL GROUND)

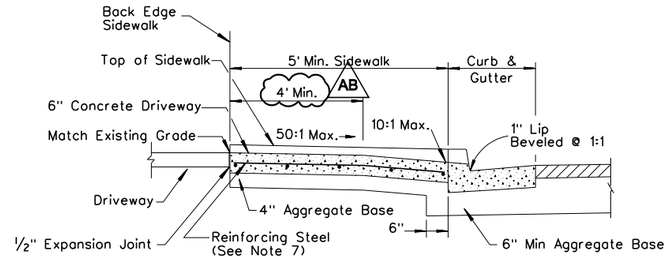


SECTION A-A
(CONCRETE)

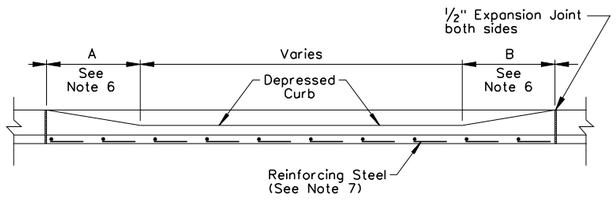


TYPICAL EXPANSION JOINT DETAIL
(ELEVATION)

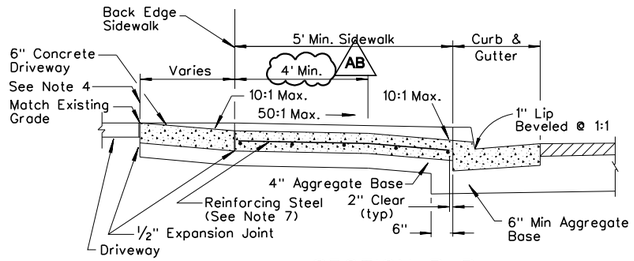




SECTION B-B
Type B (Used With Constrained R/W)
(CONCRETE)



ELEVATION



SECTION B-B
Type A (Preferred)
(CONCRETE)

NOTES:

1. ALL RAMPS SHALL BE 12:1 OR FLATTER.
2. CONCRETE DRIVEWAY CAN BE POURED MONOLITHICALLY WITH CURB AND GUTTER. WHEN CONSTRUCTING DRIVEWAY WHERE CURB AND GUTTER EXISTS, COMPLETELY REMOVE INTERFERING PORTIONS OF EXISTING CURB AND GUTTER.
3. ALL SLOPE RATES ARE RELATIVE TO LEVEL.
4. LENGTH VARIES ACCORDING TO CURB AND GUTTER PROFILE. RETAINING CURBS AND ACQUISITION OF CONSTRUCTION EASEMENTS MAY BE NECESSARY.
5. CONCRETE SHALL BE CLASS A OR AA.
6. "A" = 6.5' (HIGH SIDE) AND "B" = 4.5' (LOW SIDE) UNLESS OTHERWISE NOTED ON THE CONSTRUCTION PLANS.
7. NO. 4 BARS AT 16" O.C. BOTH WAYS EXTENDING INTO GUTTER. NO. 4 BARS SHALL BE PLACED 3" ABOVE BOTTOM OF CONCRETE SUPPORTED BY NON-FERROUS CHAIRS APPROVED BY THE ENGINEER.
8. (AB) WHERE "PERMISSION TO CONSTRUCT" HAS BEEN EXECUTED, GRADE UP TO AND BEYOND ROW AS NECESSARY TO MAINTAIN 4' MIN. ACCESSIBLE ROUTE (SECTION B-B TYPE A).

SINGLE FAMILY DRIVEWAYS WITH CURB (MODIFIED)

DETAIL "I"

N.T.S.

AS-BUILT
Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
SPECIAL DETAILS

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

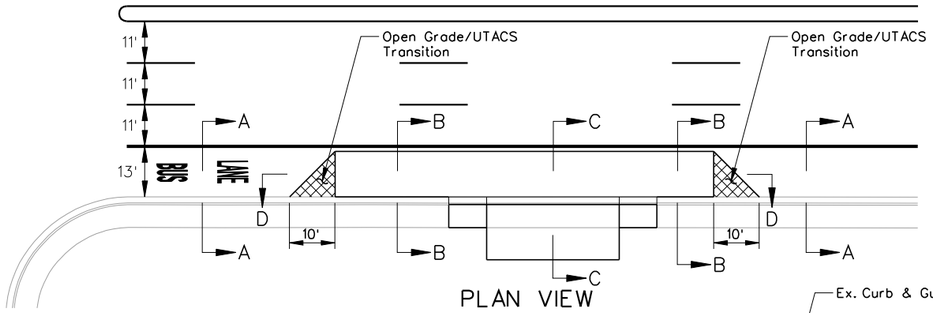
PROJECT No: CB 1083 DRAWN BY: ELC
DESIGNED BY: KK CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

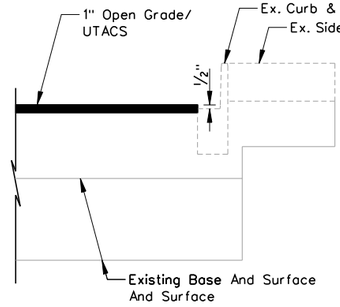
SCALE
HORIZ: NONE
VERT: NONE
FIELD BOOK: NONE

SHEET No.
SD-5
Sheet 141 of 592

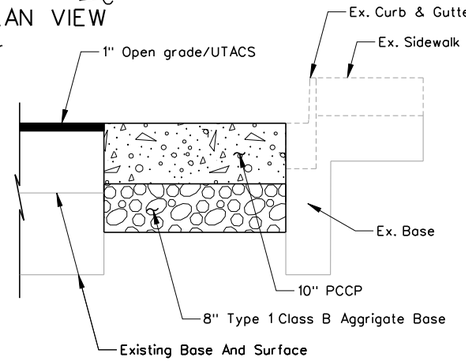
SAHARA AVENUE, BUS RAPID TRANSIT PROJECT
AS - BUILT - 05.31.2012



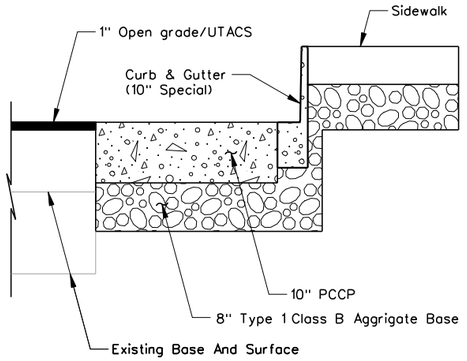
PLAN VIEW



SECTION A-A

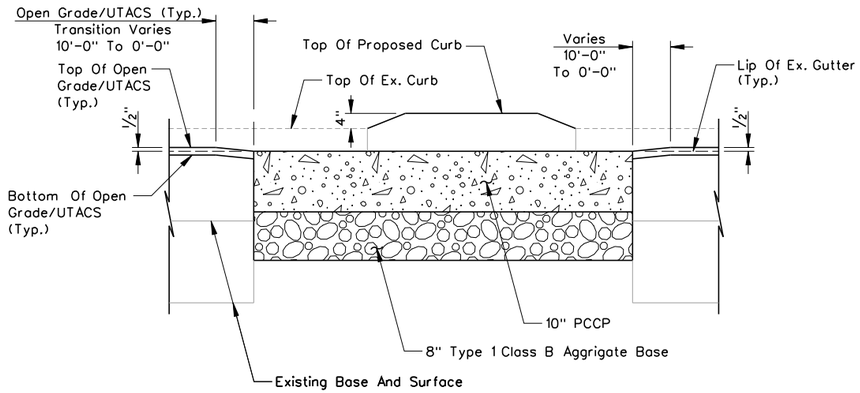


SECTION B-B



SECTION C-C

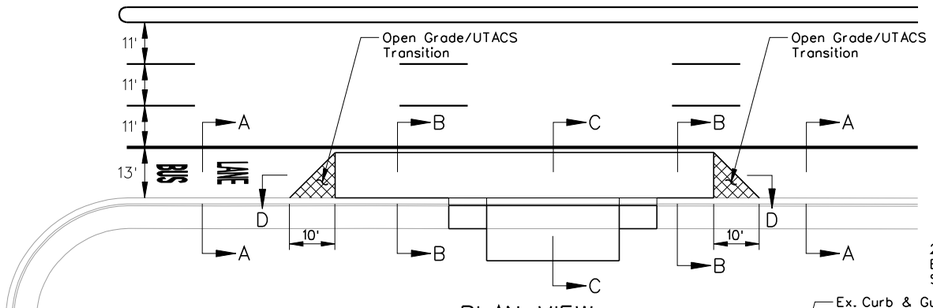
OPEN GRADE/UTACS TRANSITION AROUND BUS PADS



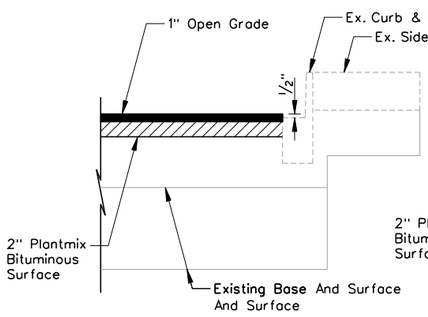
SECTION D-D

DETAIL "J"

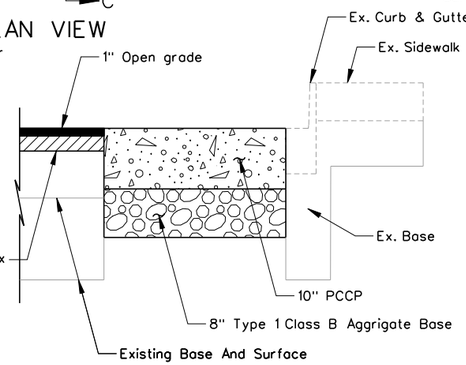
N.T.S.



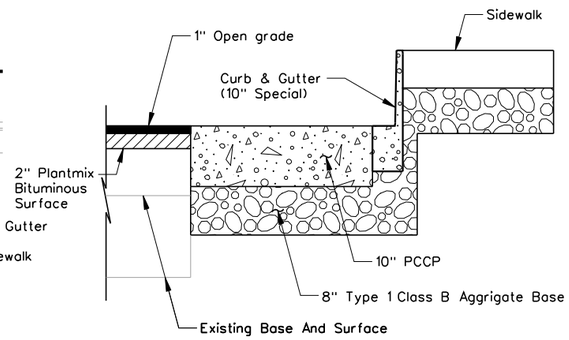
PLAN VIEW



SECTION A-A

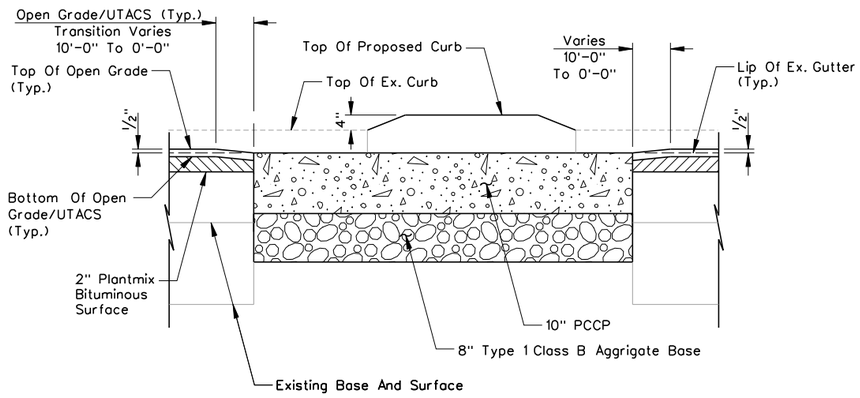


SECTION B-B



SECTION C-C

OPEN GRADE TRANSITION AROUND BUS PADS



SECTION D-D

DETAIL "K"

N.T.S.

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
A	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

SPECIAL DETAILS

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: ELC
DESIGNED BY: KK CHECKED BY: RJP
APPROVED BY RJP

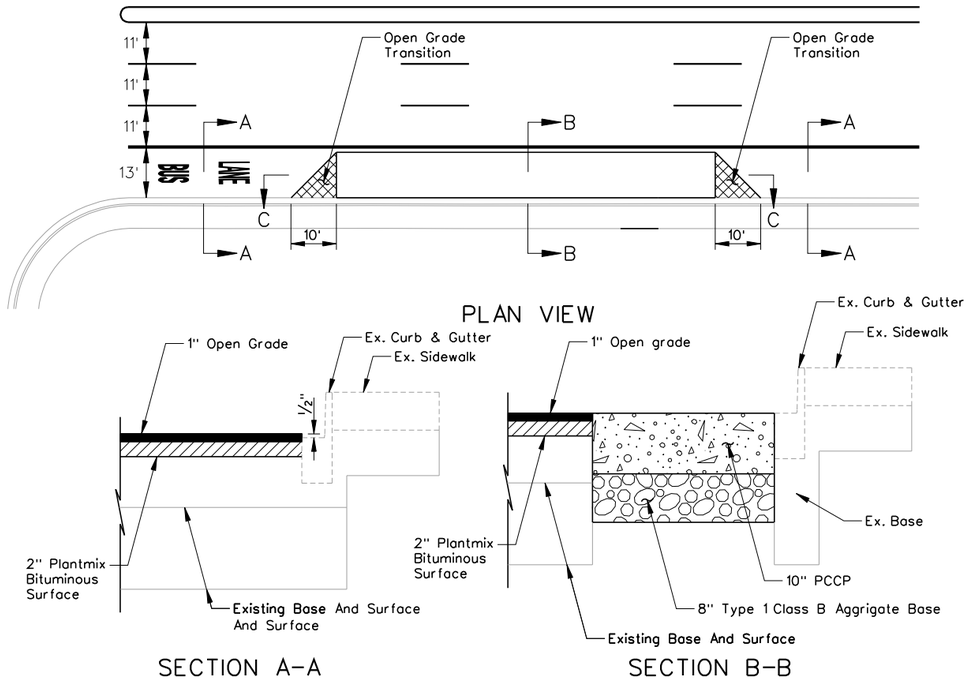
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

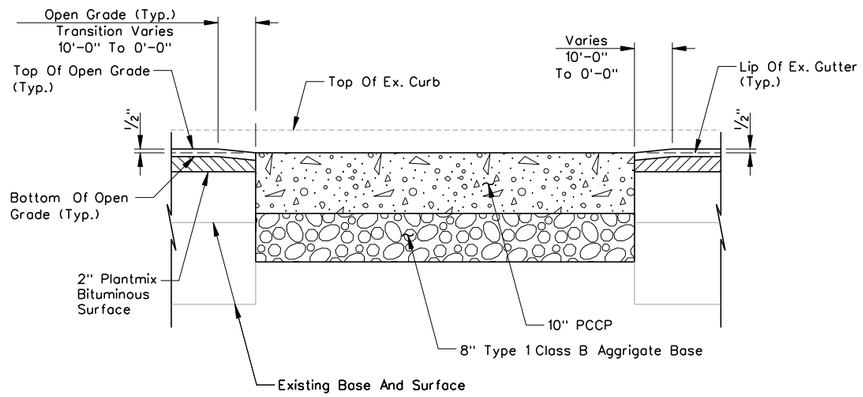
SCALE
HORIZ : NONE
VERT : NONE
FIELD BOOK : NONE

SHEET No. SD-6

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012





SECTION C-C

DETAIL "K1"

N.T.S.

OPEN GRADE TRANSITION
AROUND BUS PADS

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
1	9/30/13	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
SPECIAL DETAILS

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: ELC
DESIGNED BY: KK CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ : NONE
VERT : NONE
FIELD BOOK : NONE

SHEET No. SD-6a

SAHARA AVENUE , BUS/BIKE LANE ALTERNATIVE

AS-BUILT - 09.30.2013

GENERAL NOTES:

1. ALL WORK SHALL CONFORM TO THE IBC 2006 EDITION AS AMENDED AND THE "AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES, 17TH EDITION" 2002.
2. CONCRETE BLOCK MASONRY SHALL COMPLY WITH THE FOLLOWING:
   A. CONCRETE MASONRY SHALL CONFORM TO ASTM C 90, F'M = 1500 PSI
   B. MORTAR: TYPE M – 2500 PSI OR TYPE S – 1800 PSI
   C. GROUT CONFORMS TO ASTM C 475, MINIMUM 200 PSI
3. THE ULTIMATE COMPRESSIVE STRENGTH REQUIRED FOR FOUNDATION CONCRETE SHALL BE OF 4500 PSI. TYPE V CEMENT SHALL BE USED. (EXPOSED TO SULFATE CONTAINING SOILS), MAX W/C RATIO 0.45.
4. ALL REINFORCING STEEL SHALL BE GRADE 60, ASTM A615, MIN. LAP SPLICE = 24".
5. NO WATER COURSE OR NATURAL DRAINAGE SHALL BE OBSTRUCTED. FOR RETAINING WALL, PROVIDE 1CF/FT OF CLEAN COURSE GRAVEL WITH 2" DIAMETER WEEP HOLES THROUGH THE WALL AND LINED WITH PVC PIPE AT 8'-0" O.C. ALONG WALL AND PLACED 3" ABOVE THE LOWEST ADJACENT FINISHED GRADE.
6. CONTROL JOINT SPACING AT 24 FEET (MAX).
7. GROUT ALL CELLS.
8. 3" COVER FOR ALL REBAR CAST AGAINST SOIL (TYPICAL).
9. WATERPROOF THE INSIDE FACE OF ALL RETAINING WALLS PER 1807.3 OF 2006 IBC.

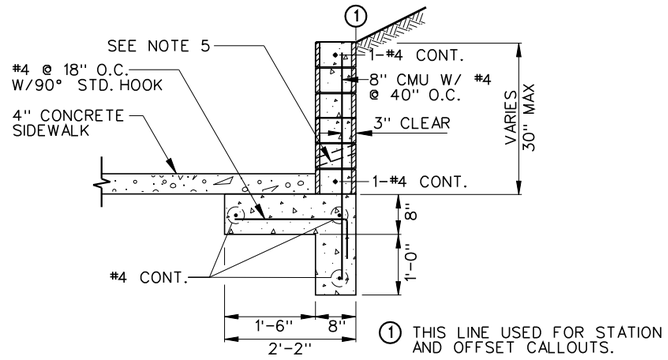
DESIGN CRITERIA

SEISMIC LOAD

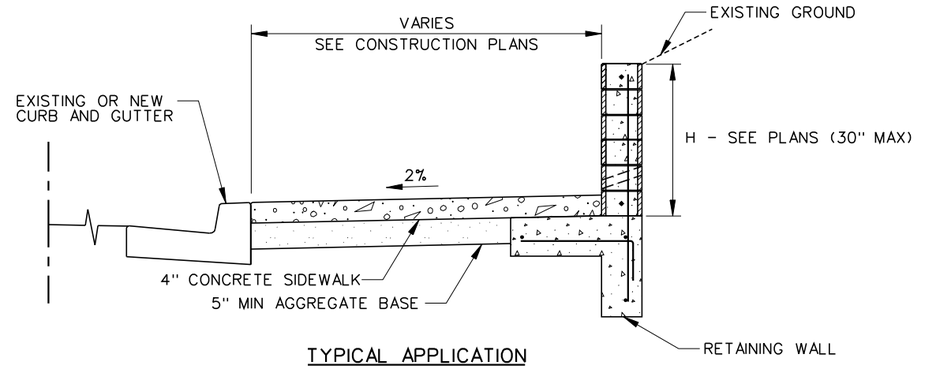
DESIGN SPECTRAL RESPONSE Sds = 0.65g
SEISMIC COEFFICIENTS R = 3.0
Fp = 0.217g
ULTIMATE SEISMIC LOAD DUE TO LATERAL EARTH PRESSURE = 12.7H psf/ft.
SERVICE SEISMIC LOAD DUE TO LATERAL EARTH PRESSURE = 8.9H psf/ft.
THE POINT OF APPLICATION IS TAKEN AT 0.6H ABOVE THE BASE OF THE WALL, WHERE H IS THE HEIGHT OF THE BACKFILL.

SOIL PARAMETERS

SITE CLASS = D
ALLOWABLE SOIL BEARING PRESSURE = 1500 psf
LATERAL EQUIVALENT FLUID PRESSURE OF 45 psf/ft
PASSIVE PRESSURE = 100 psf/ft
LATERAL SLIDING RESISTANCE =
130 psf x FOUNDATION CONTACT AREA (FOR IBC 2006 DESIGN)
COEFFICIENT OF FRICTION μ = 0.25 (FOR AASHTO DESIGN)



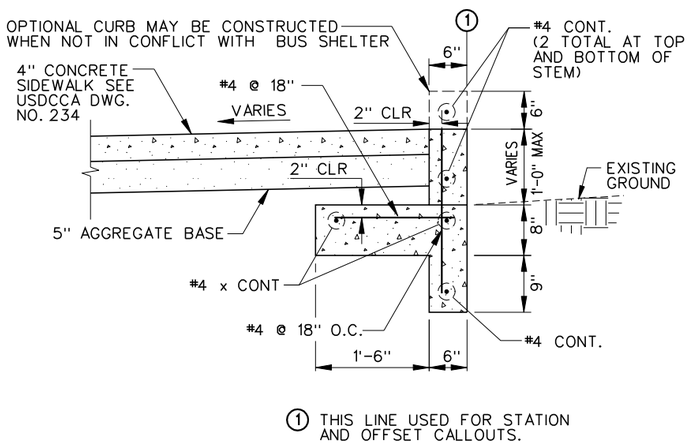
SPECIAL SIDEWALK RETAINING WALL



TYPICAL APPLICATION

DETAIL "L"

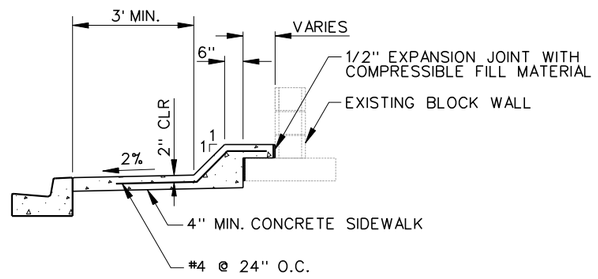
N.T.S.



SIDEWALK RETAINING CURB

DETAIL "L1"

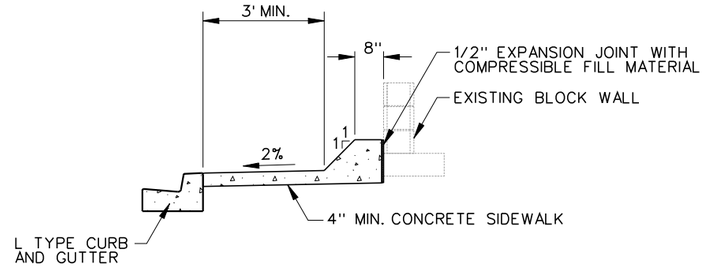
N.T.S.



SIDEWALK DETAIL

DETAIL "L2"

N.T.S.



SIDEWALK DETAIL

DETAIL "L3"

N.T.S.

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

SPECIAL DETAILS

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: ALB
DESIGNED BY: JPL CHECKED BY: KK
APPROVED BY RJP

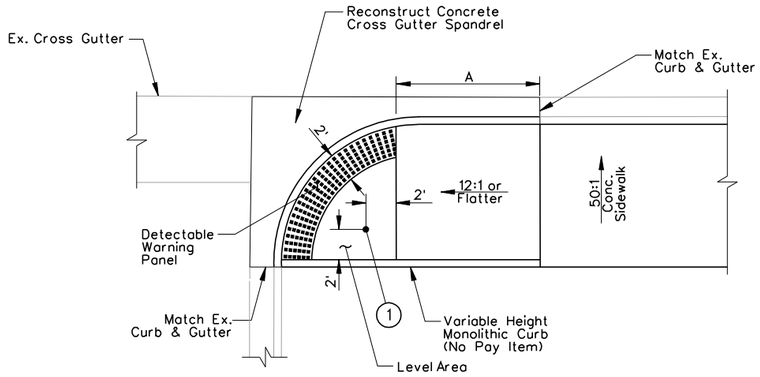
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: NONE
VERT: NONE
FIELD BOOK: NONE

SHEET No. SD-7

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012



(1) This Point Is Used For Station & Offset Callouts

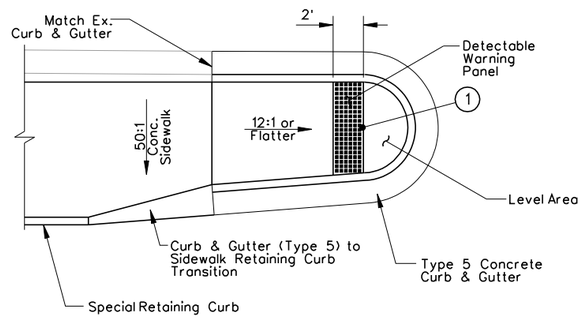
NOTE:

1. FOR DETAILS NOT SHOWN, NDOT STD. R-5.3.3
2. FOR STATIONS AND OFFSETS NOT SHOWN, SEE CONSTRUCTION PLAN.

MODIFIED CURB RAMP

DETAIL "N"

N.T.S.



(1) This Point Is Used For Station & Offset Callouts

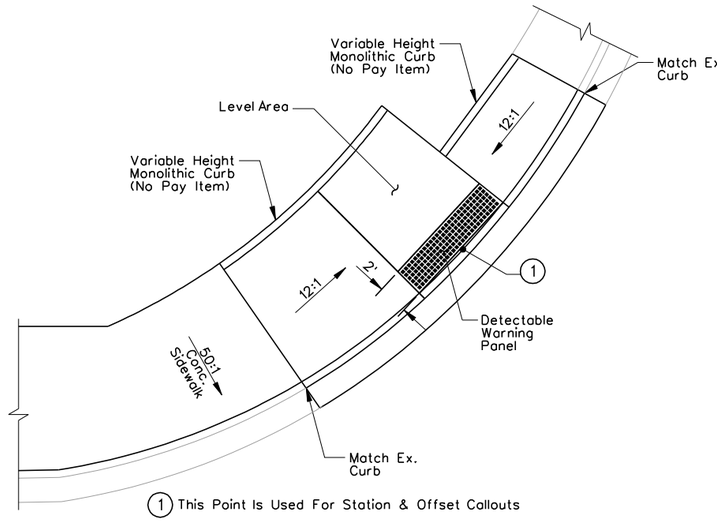
NOTE:

1. FOR DETAILS NOT SHOWN, NDOT STD. R-5.3.3
2. FOR STATIONS AND OFFSETS NOT SHOWN, SEE CONSTRUCTION PLAN.

SPECIAL SIDEWALK RAMP

DETAIL "O"

N.T.S.



(1) This Point Is Used For Station & Offset Callouts

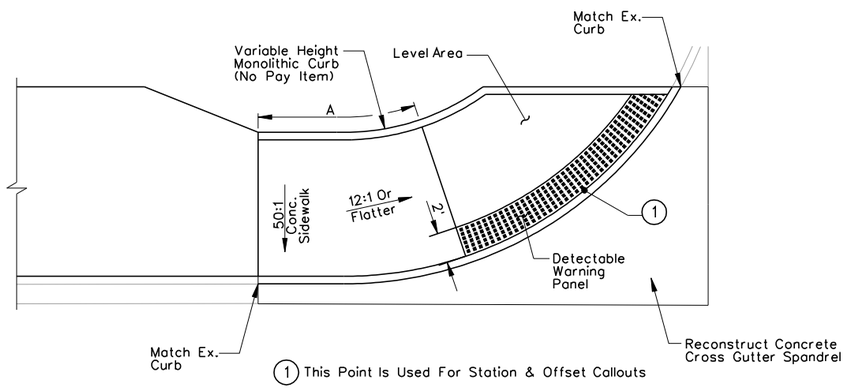
NOTE:

1. FOR DETAILS NOT SHOWN, NDOT STD. R-5.3.3
2. FOR STATIONS AND OFFSETS NOT SHOWN, SEE CONSTRUCTION PLAN.

SPECIAL SIDEWALK RAMP

DETAIL "P"

N.T.S.



(1) This Point Is Used For Station & Offset Callouts

NOTE:

1. FOR DETAILS NOT SHOWN, NDOT STD. R-5.3.3
2. FOR STATIONS AND OFFSETS NOT SHOWN, SEE CONSTRUCTION PLAN.

SPECIAL SIDEWALK RAMP

DETAIL "P1"

N.T.S.

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

SPECIAL DETAILS

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: JPS
DESIGNED BY: JSD CHECKED BY: RJP
APPROVED BY RJP

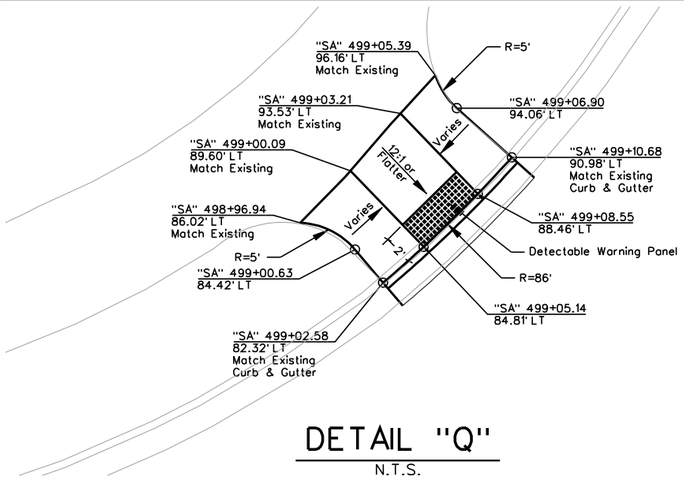
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: NONE
VERT: NONE
FIELD BOOK: NONE

SHEET No. SD-8

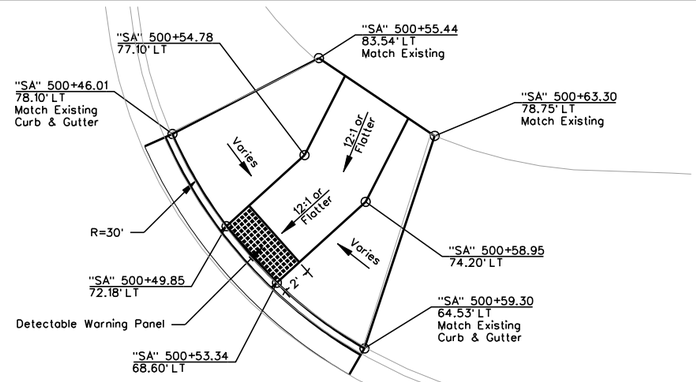
SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012



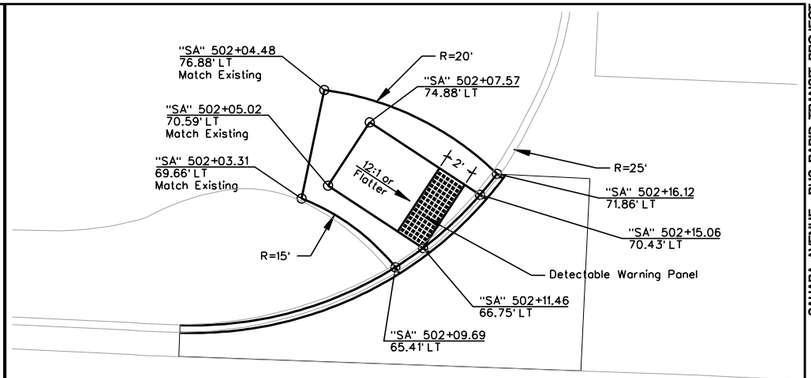
DETAIL "Q"

N.T.S.



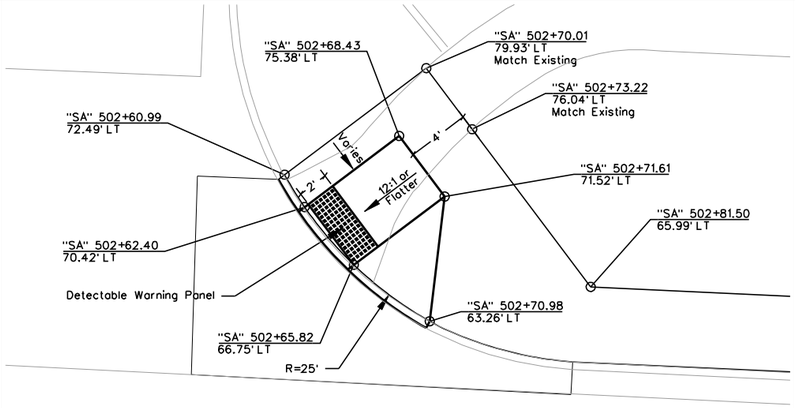
DETAIL "R"

N.T.S.



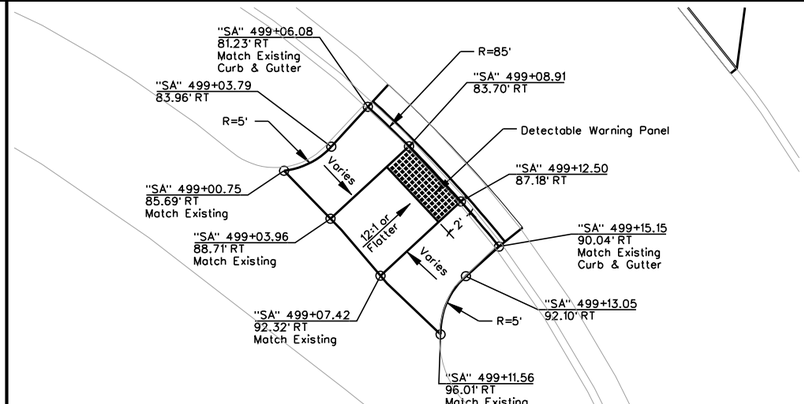
DETAIL "S"

N.T.S.



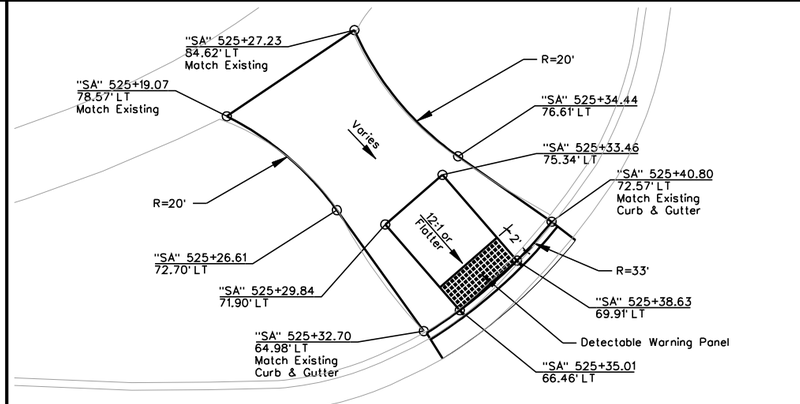
DETAIL "T"

N.T.S.



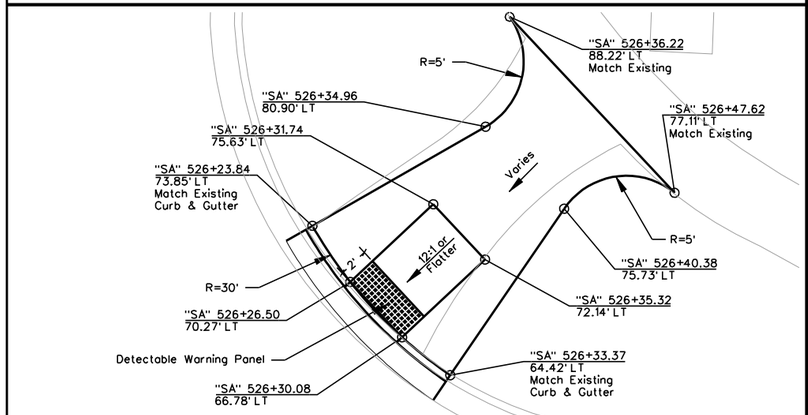
DETAIL "U"

N.T.S.



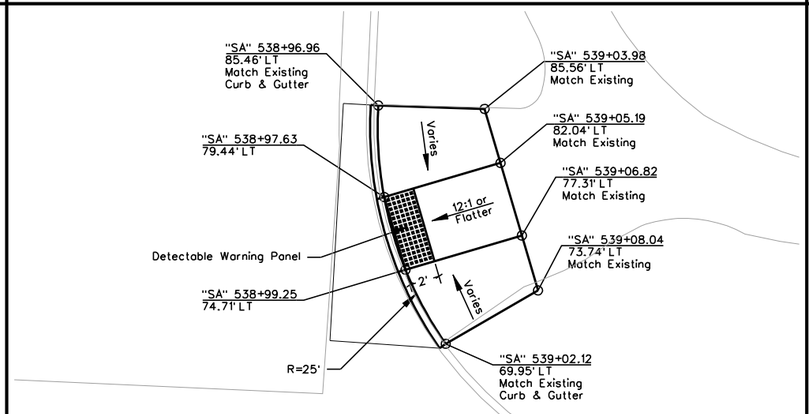
DETAIL "V"

N.T.S.



DETAIL "W"

N.T.S.



DETAIL "X"

N.T.S.

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

SPECIAL DETAILS

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No:	CB 1083	DRAWN BY:	JPS
DESIGNED BY:	JSD	CHECKED BY:	RJP
APPROVED BY	RJP		

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

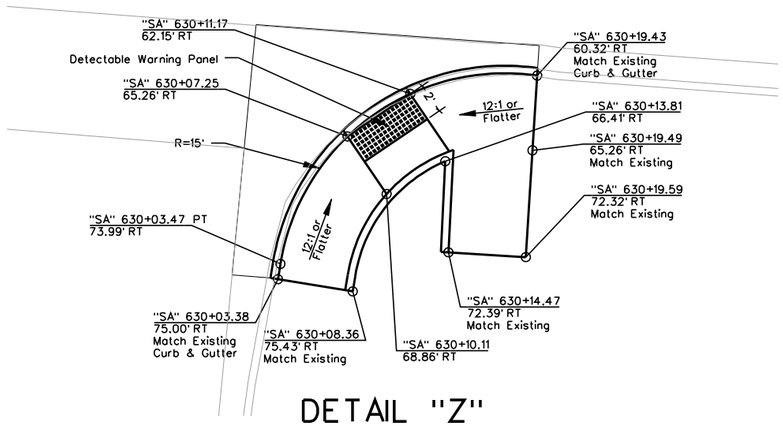
SCALE	
HORIZ :	NONE
VERT :	NONE
FIELD BOOK :	NONE

SHEET No. SD-9

Sheet 145 of 592

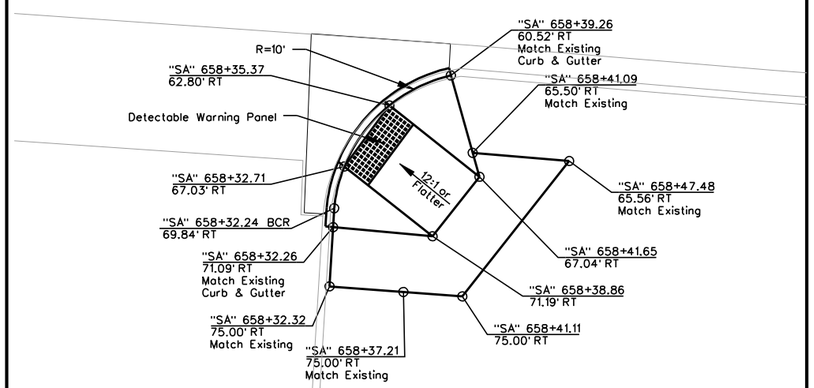
SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012



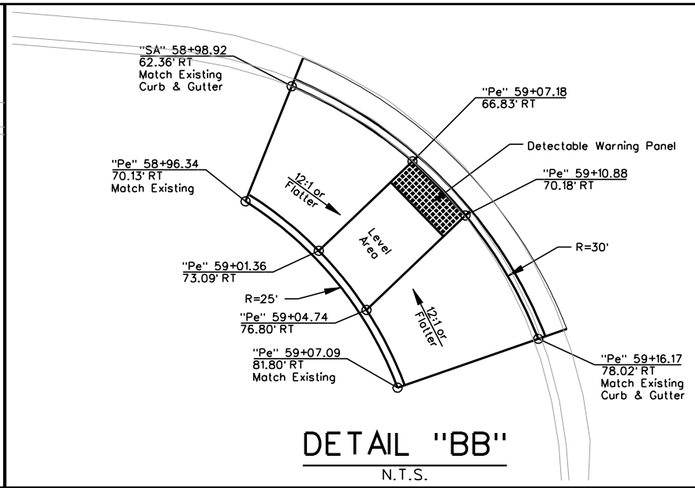
DETAIL "Z"

N.T.S.



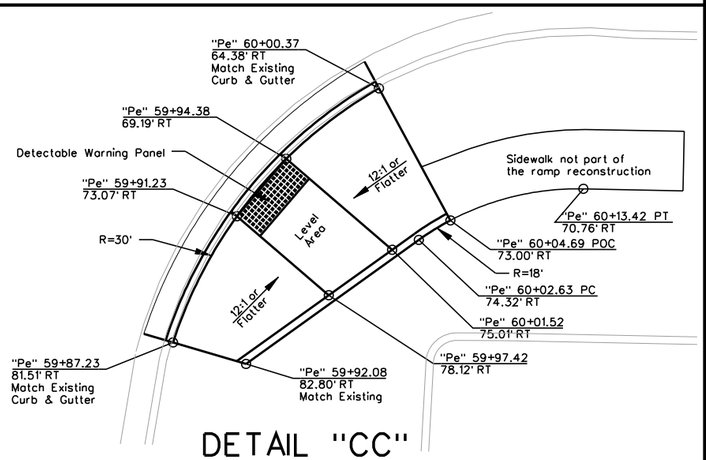
DETAIL "AA"

N.T.S.



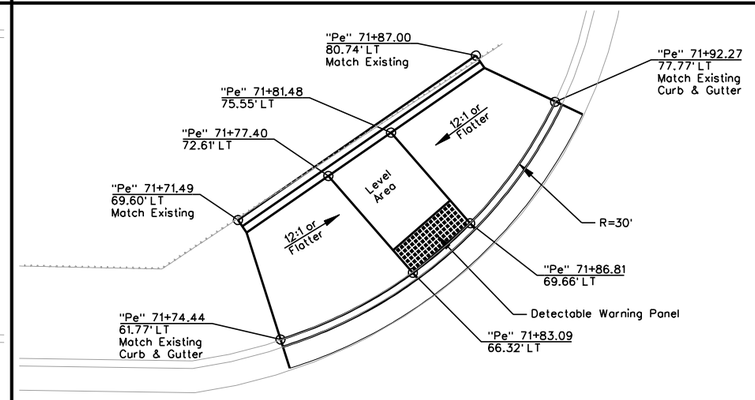
DETAIL "BB"

N.T.S.



DETAIL "CC"

N.T.S.



DETAIL "DD"

N.T.S.

AS-BUILT

Based on Contractor Supplied
Information Which Has Not Been Verified
By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
A	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

SPECIAL DETAILS

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: JPS
DESIGNED BY: JSD CHECKED BY: RJP
APPROVED BY RJP

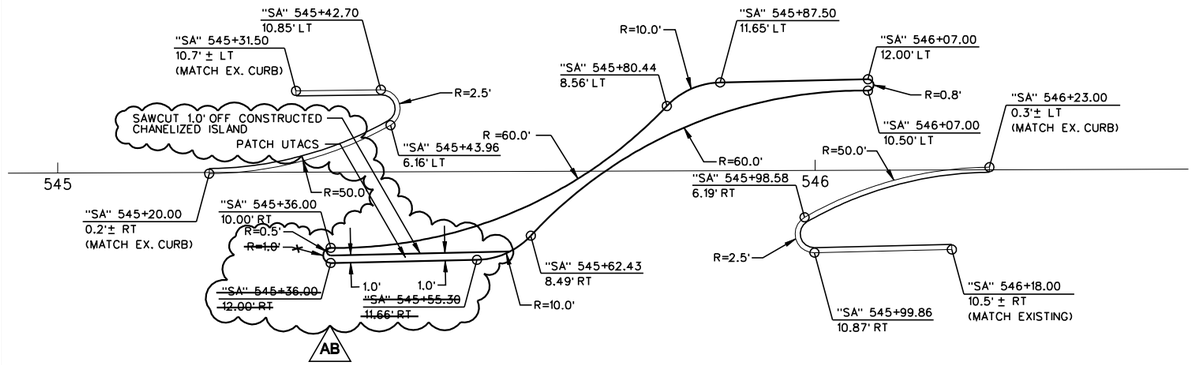
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ : NONE
VERT : NONE
FIELD BOOK :
NONE

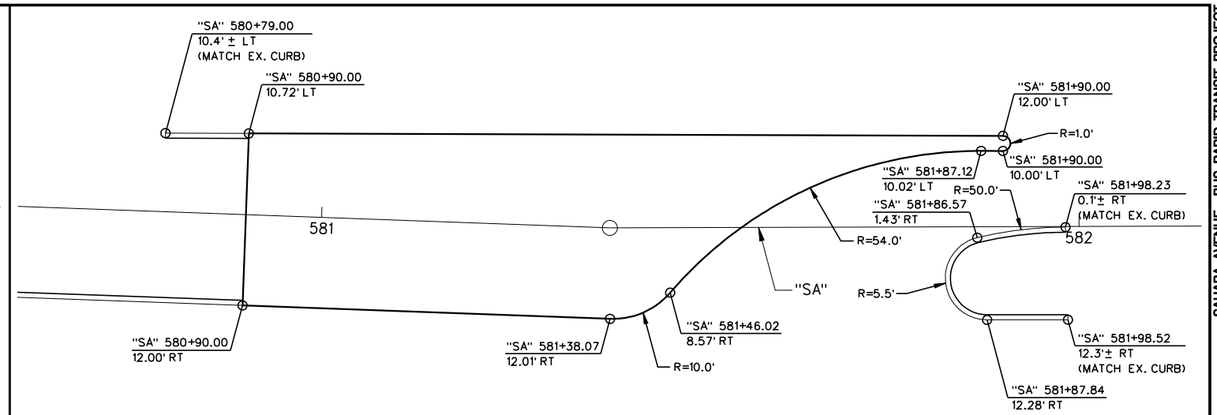
SHEET No.
SD-10
Sheet 146 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

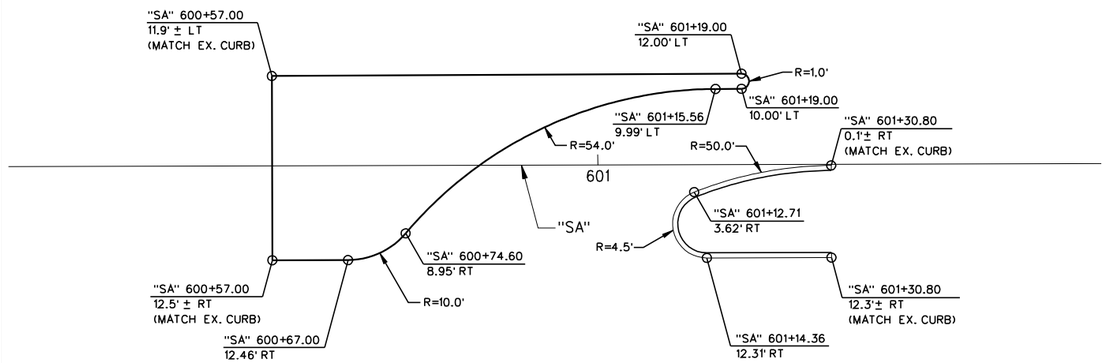
AS - BUILT - 05.31.2012



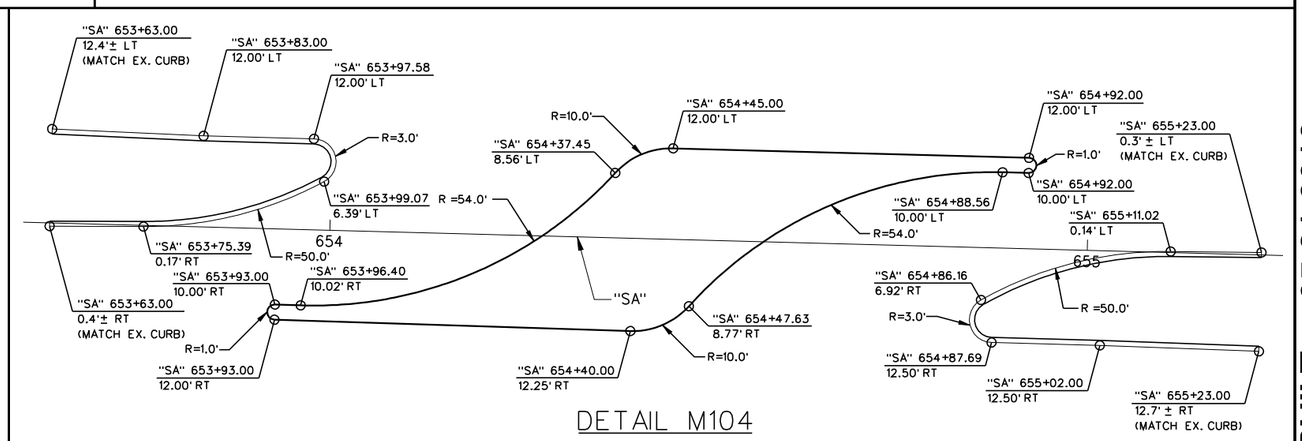
DETAIL M101



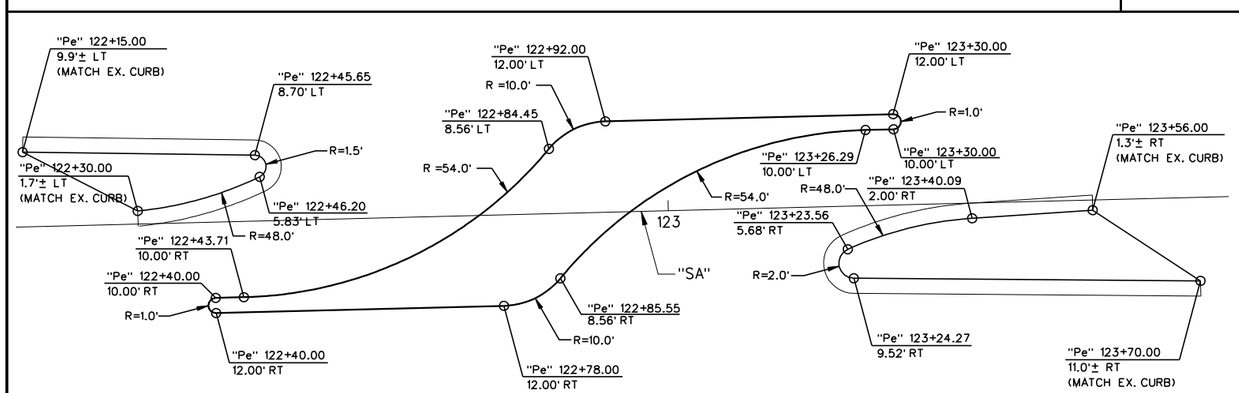
DETAIL M102



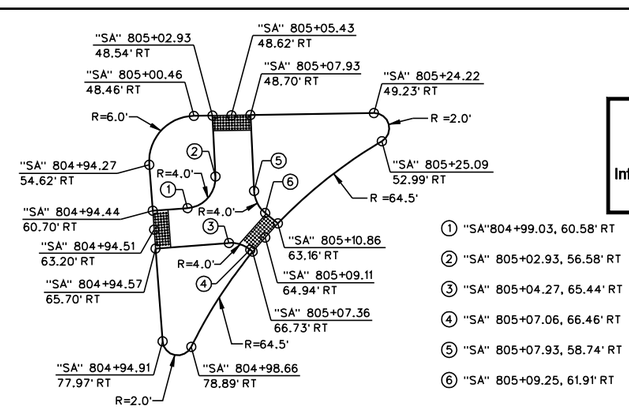
DETAIL M103



DETAIL M104



DETAIL M105



AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

1. "SA"804+99.03, 60.58' RT
2. "SA" 805+02.93, 56.58' RT
3. "SA" 805+04.27, 65.44' RT
4. "SA" 805+07.06, 66.46' RT
5. "SA" 805+07.93, 58.74' RT
6. "SA" 805+09.25, 61.91' RT

DETAIL M106

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

SPECIAL DETAILS
GEOMETRICS

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: KK CHECKED BY: RJP
APPROVED BY RJP

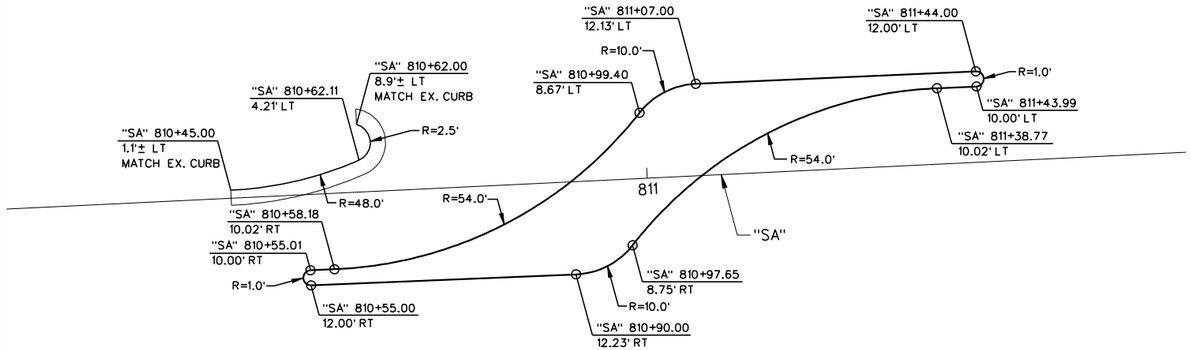
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-8632 • FAX (702) 736-0704

SCALE
HORIZ: 1" = 10'
VERT: NONE
FIELD BOOK: NONE

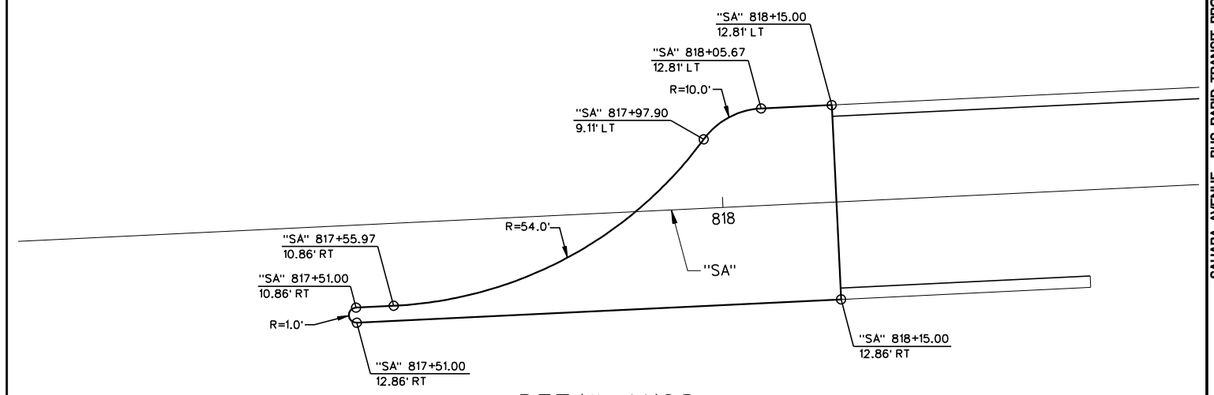
SHEET No. SD-11

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

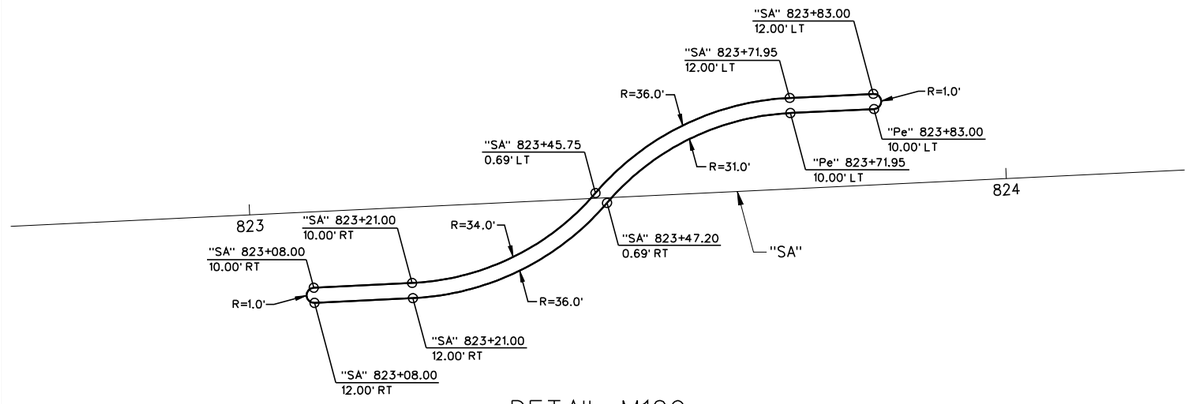
AS - BUILT - 05.31.2012



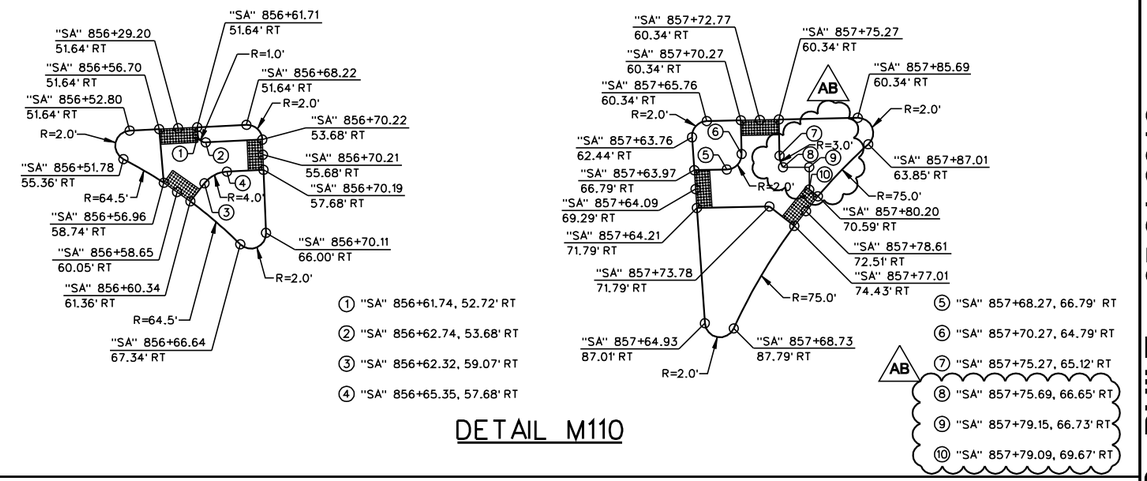
DETAIL M107



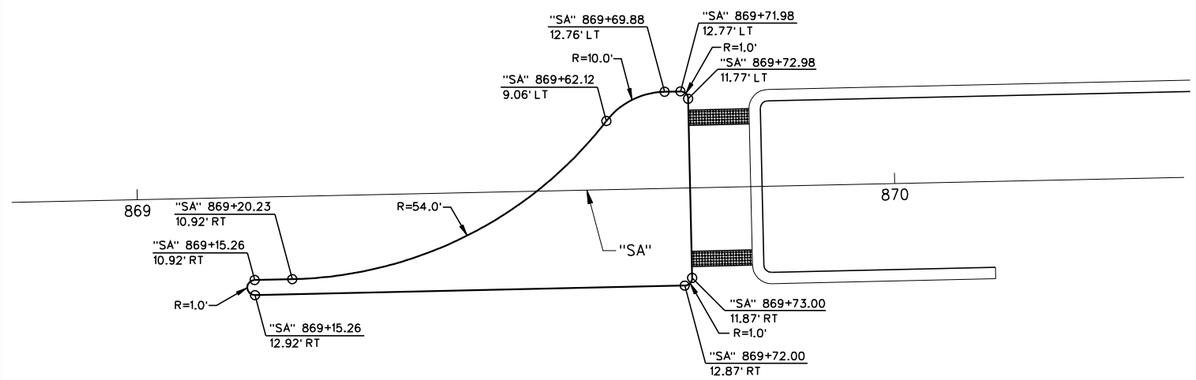
DETAIL M108



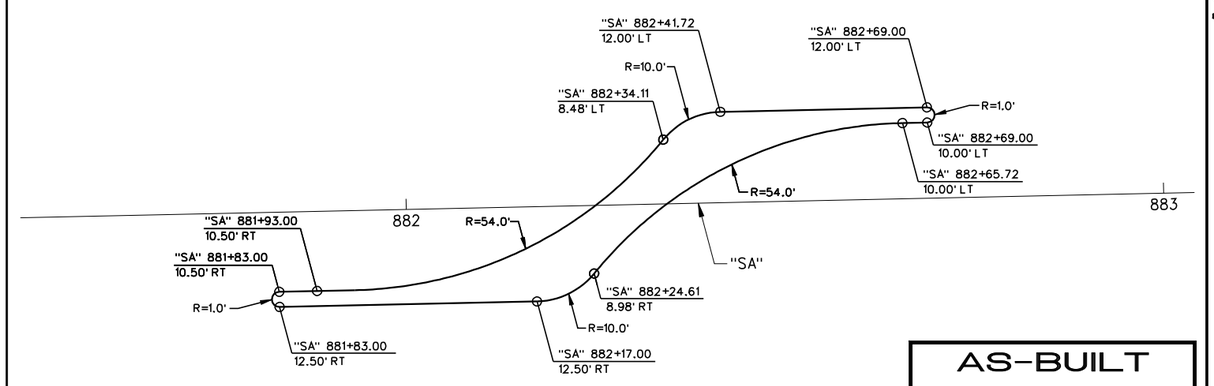
DETAIL M109



DETAIL M110



DETAIL M111



DETAIL M112

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

SPECIAL DETAILS
GEOMETRICS

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No:	CB 1083	DRAWN BY:	GFV
DESIGNED BY:	KK	CHECKED BY:	RJP
APPROVED BY	RJP		

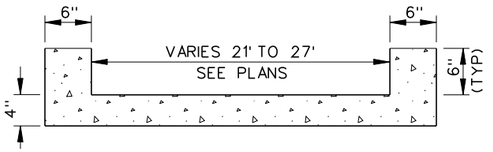
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE	
HORIZ :	1" = 10'
VERT :	NONE
FIELD BOOK :	NONE

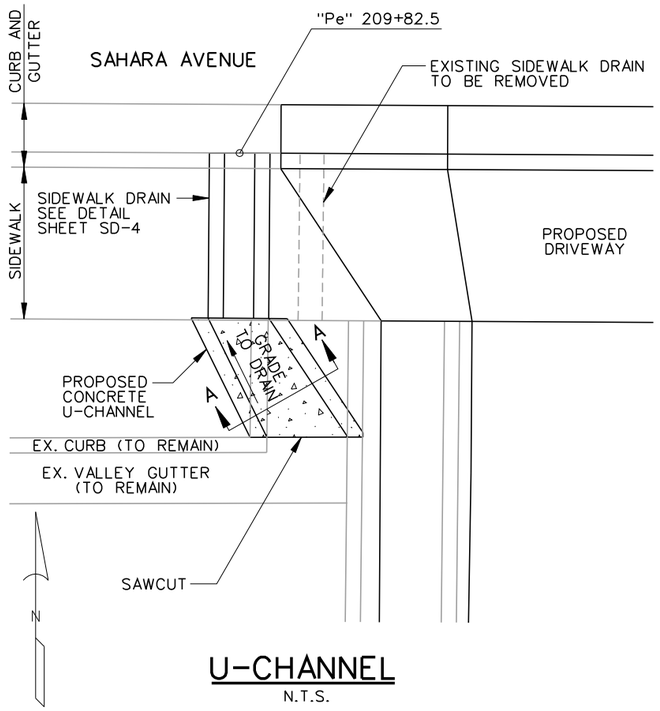
SHEET No. SD-12

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

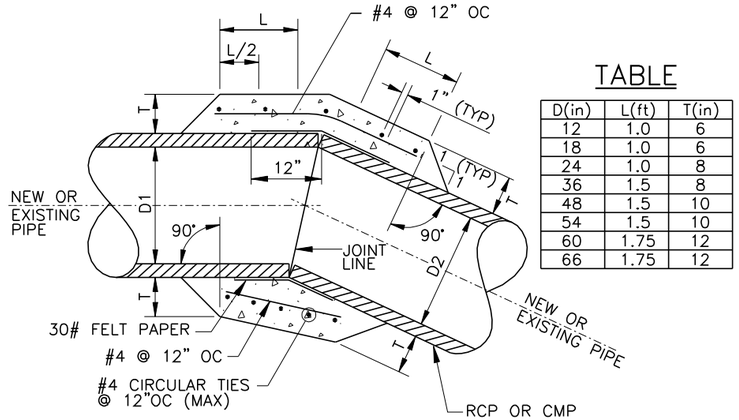
AS - BUILT - 05.31.2012



SECTION A-A



U-CHANNEL
N.T.S.



TABLE

D(in)	L(ft)	T(in)
12	1.0	6
18	1.0	6
24	1.0	8
36	1.5	8
48	1.5	10
54	1.5	10
60	1.75	12
66	1.75	12

NOTES:
1. WHERE PIPES OF DIFFERENT DIAMETERS ARE JOINED WITH A CONCRETE COLLAR, L AND T SHOULD BE THOSE OF THE LARGER PIPE. D = D1, OR D2, WHICHEVER IS GREATER.
2. OMIT REINFORCING ON PIPE 24" OR LESS IN DIAMETER.
3. WHERE REINFORCING IS REQUIRED, THE DIAMETER OF THE CIRCULAR TIES SHALL BE = (OUTSIDE DIAMETER OF PIPE + T).
4. BACKFILL MATERIAL ALL AROUND COLLAR FOR A DISTANCE OF 12" MIN TO 90% OF MAX DRY DENSITY.
5. TROWEL INVERT TO A SMOOTH FINISH BETWEEN PIPES.
6. PIPES SHALL BE TRIMMED TO MATCH AS MUCH AS PRACTICABLE TO CREATE A TIGHT FIT PREVENTING CONCRETE FROM SEEPING INTO JOINT.

CONCRETE COLLAR
N.T.S.

NOTE:
1. SEE SHEET U-32 CONCERNING SNWA MONUMENT.

SNWA CONSTRUCTION NOTES:

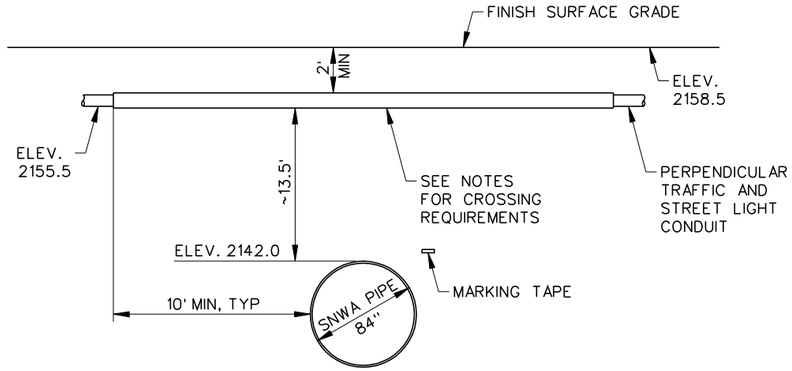
CONTRACTOR SHALL FIELD LOCATE AND PROTECT ALL SNWA/SNWS APPURTENANCES INCLUDING, BUT NOT LIMITED TO AVAR, ACCESS MANWAYS AND CATHODIC PROTECTION SYSTEMS. ALL ABOVE GROUND STRUCTURES AND AT GRADE STRUCTURES MUST BE ADJUSTED TO NEW GRADE AT CONTRACTOR'S EXPENSE. CATHODIC PROTECTION TEST STATIONS, RECTIFIERS, AND AVAR'S MUST BE RELOCATED TO THE SIDEWALK PER SNWA STANDARDS AND AT THE CONTRACTOR'S EXPENSE. CONTRACTOR TO NOTIFY SOUTHERN NEVADA WATER AUTHORITY, DEVELOPMENT PLAN REVIEW, AT (702) 862-3444 AT LEAST 48 HOURS PRIOR TO CONSTRUCTION ACTIVITY.

THIS DATA MAY BE BASED ON THE NATIONAL GEODETIC VERTICAL DATUM OF 1929. IT IS THE ENGINEER'S RESPONSIBILITY TO ENSURE THAT THIS DATA IS CONVERTED TO THE APPROPRIATE DATUM BEFORE USING SAID DATA.

APPROVED BY:

SOUTHERN NEVADA WATER AUTHORITY DATE

SNWA APPROVAL IS VALID FOR ONE (1) YEAR FROM THE SIGNATURE DATE. IF CONSTRUCTION WITHIN THE EASEMENT OR RESTRICTED PIPE SAFETY ZONE IS NOT COMPLETE, PLANS MUST BE RESUBMITTED TO SNWA FOR APPROVAL.



TYPICAL CROSS SECTION

NORTH CROSSING
TRAFFIC AND STREET LIGHT CONDUIT
N.T.S.

TYPICAL CROSS SECTION

SOUTH CROSSING
TRAFFIC AND STREET LIGHT CONDUIT
N.T.S.

NOTES:
1. ALL POWER LINES (INCLUDING STREET LIGHT AND TRAFFIC SIGNAL CONDUIT(s)) SHALL BE ENCASED IN A MINIMUM OF SIX (6) INCHES OF RED CONCRETE (3000 PSI MINIMUM) EXTENDING A MINIMUM OF TEN (10) FEET ON EACH SIDE OF THE CROSSING FROM THE OUTSIDE DIAMETER (IN BOTH DIRECTIONS) OF THE WATER TRANSMISSION MAIN. FIBER OPTIC CONDUITS ARE NOT REQUIRED TO BE ENCASED.
2. ALL POWER LINES (INCLUDING STREET LIGHT, FIBER OPTIC, AND TRAFFIC SIGNAL CONDUIT(s)) SHALL MAINTAIN MINIMUM VERTICAL CLEARANCES OF THREE (3) FEET ABOVE AND TWO (2) FEET BELOW SNWA PIPELINE.

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

REV. NO.	DATE	DESCRIPTION	APPROVED
A	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
SPECIAL DETAILS

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: SSM
DESIGNED BY: FKR CHECKED BY: KK
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: NONE
VERT: NONE
FIELD BOOK: NONE

SHEET No.
SD-13
Sheet 149 of 592

TABLE 1: PROPOSED AMENITIES AT EASTBOUND TRANSIT STOPS

STATION (UPSTREAM EDGE OF SHELTER PAD)	TICKET VENDING MACHINE (TVM)	NUMBER OF SHELTERS	SHELTER CLASSIFICATION	PYLON/BLADE SIGN
"SA" 501+70	1	1	BS-2	Pylon
"SA" 524+15	1	1	BS-2	Pylon
"SA" 539+35		1	BS-2	Pylon
"SA" 554+22	1	1	BS-2	Pylon
"SA" 579+98		1	BS-2	Pylon
"SA" 595+35		1	BS-2	Pylon
"SA" 610+20	1	1	BS-2	Pylon
"SA" 622+00		1	BS-2	Pylon
"SA" 635+85		1	BS-2	Pylon
"SA" 648+85		1	BS-2	Pylon
"SA" 663+40		1	BS-2	Pylon
"SA" 675+90				Blade
"SA" 689+00		1	BS-2	Pylon
"Pe" 35+35		1	BS-2	Pylon
"Pe" 47+70		1	BS-2	Pylon
"Pe" 60+60	1	1	BS-2	Pylon
"Pe" 73+80				Blade
"Pe" 87+55		1	BS-2	Pylon
"Pe" 111+40		1	BS-2	Pylon
"Pe" 124+05		1	BS-2	Pylon
"Pe" 137+30	1	2	BS-2	Pylon
"Pe" 157+55	1	1	BS-2	Pylon
"Pe" 177+75		1	BS-2	Pylon
"Pe" 189+28	1	2	BS-2	Pylon
"Pe" 211+85	1	1	BS-2	Pylon
"Pe" 224+10	1	1	BS-2	Pylon
"Pe" 234+30		2	BS-2	Pylon
"X1" 249+00		2	BS-2	Pylon
"SA" 806+20	1	1	BS-2	Pylon
"SA" 815+60	1	1	BS-2	Pylon
"SA" 829+63	1	1	BS-2	Pylon
"SA" 842+20		1	BS-2	Pylon
"SA" 858+40		1	BS-2	Pylon
"SA" 869+98		1	BS-2	Pylon
"SA" 899+91		1	BS-2	Pylon
"SA" 912+95		1	BS-2	Pylon
"SA" 924+93		1	BS-3	Pylon
"SA" 939+00		2	BS-2	Pylon
"SA" 951+75				Blade
"SA" 961+80		2	BS-3	Pylon

TABLE 2: PROPOSED AMENITIES AT WESTBOUND TRANSIT STOPS

STATION (UPSTREAM EDGE OF SHELTER PAD)	TICKET VENDING MACHINE (TVM)	NUMBER OF SHELTERS	SHELTER CLASSIFICATION	PYLON/BLADE SIGN
"SA" 962+55	1	2	BS-3	Pylon
"SA" 949+45		1	BS-2	Pylon
"SA" 936+35	1	1	BS-1	Pylon
"SA" 922+95		1	BS-1	Pylon
"SA" 907+60		2	BS-1	Pylon
"SA" 899+50	1	1	BS-1	Pylon
"SA" 868+70	1	1	BS-1	Pylon
"SA" 854+05		1	BS-3	Pylon
"SA" 844+00		1	BS-1	Pylon
"SA" 830+35	1	1	BS-1	Pylon
"SA" 819+45	1	1	BS-1	Pylon
"SA" 802+50		1	BS-1	Pylon
"X1" 244+40	1	2	BS-3	Pylon
"X1" 231+60		1	BS-3	Pylon
"Pe" 235+20		1	BS-3	Pylon
"Pe" 227+40	1	1	BS-1	Pylon
"Pe" 206+75	1	1	BS-1	Pylon
"Pe" 187+95	1	1	BS-1	Pylon
"Pe" 175+00				Blade
"Pe" 158+35	1	1	BS-1	Pylon
"Pe" 146+00		1	BS-1	Pylon
"Pe" 134+00		1	BS-1	Pylon
"Pe" 118+10		1	BS-1	Pylon
"Pe" 82+30		1	BS-1	Pylon
"Pe" 61+85		1	BS-1	Pylon
"Pe" 45+10		1	BS-1	Pylon
"SA" 712+70		1	BS-1	Pylon
"SA" 684+50				Blade
"SA" 677+65				Blade
"SA" 659+05				Blade
"SA" 647+75				Blade
"SA" 633+00				Blade
"SA" 621+50				Blade
"SA" 606+14		1	BS-1	Pylon
"SA" 595+40				Blade
"SA" 580+40				Blade
"SA" 550+70				Blade
"SA" 537+10				Blade
"SA" 524+60				Blade
"SA" 503+50				Blade

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

NOTE:

1. SEE SHEET S-1, S-2 & S-3 FOR SHELTER CLASSIFICATION DETAILS.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

SPECIAL DETAILS

PROPOSED AMENITIES AT TRANSIT STOPS

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: SSM
DESIGNED BY: FKR CHECKED BY: KK
APPROVED BY RJP

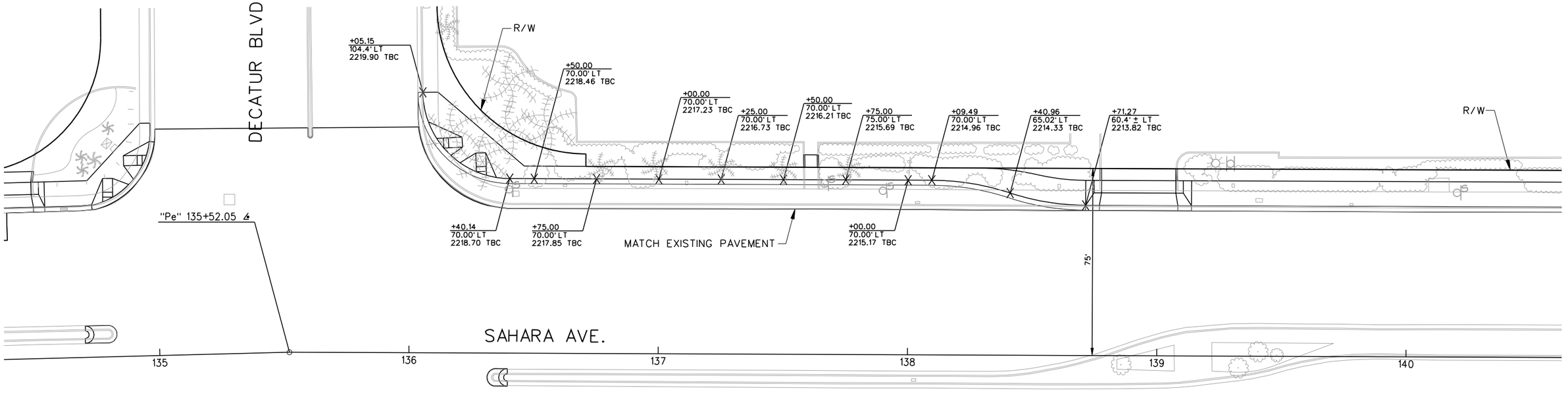
SCALE
HORIZ: NONE
VERT: NONE
FIELD BOOK: NONE

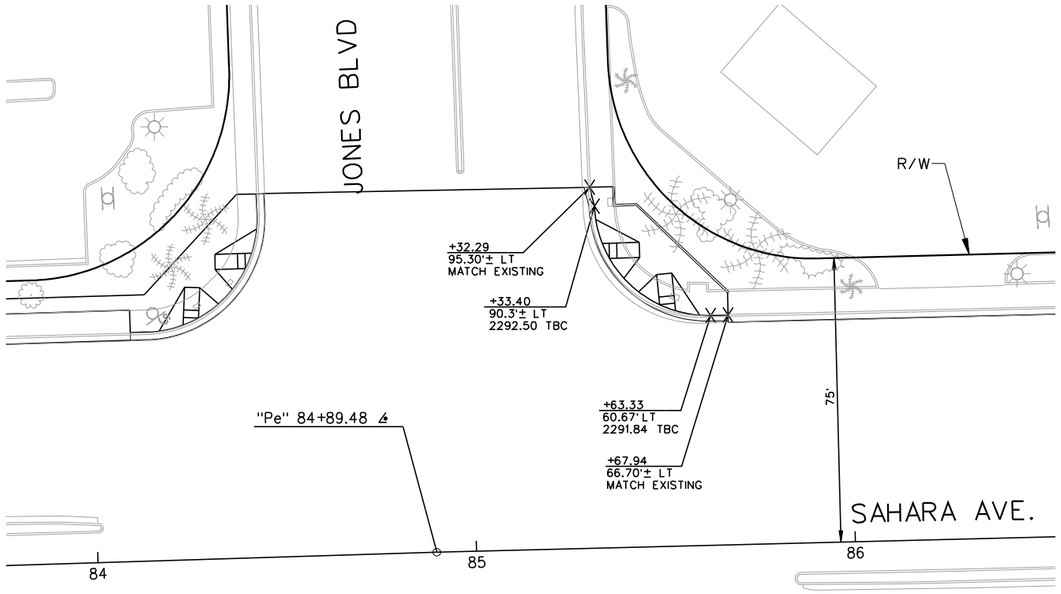
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-8632 • FAX (702) 736-0704

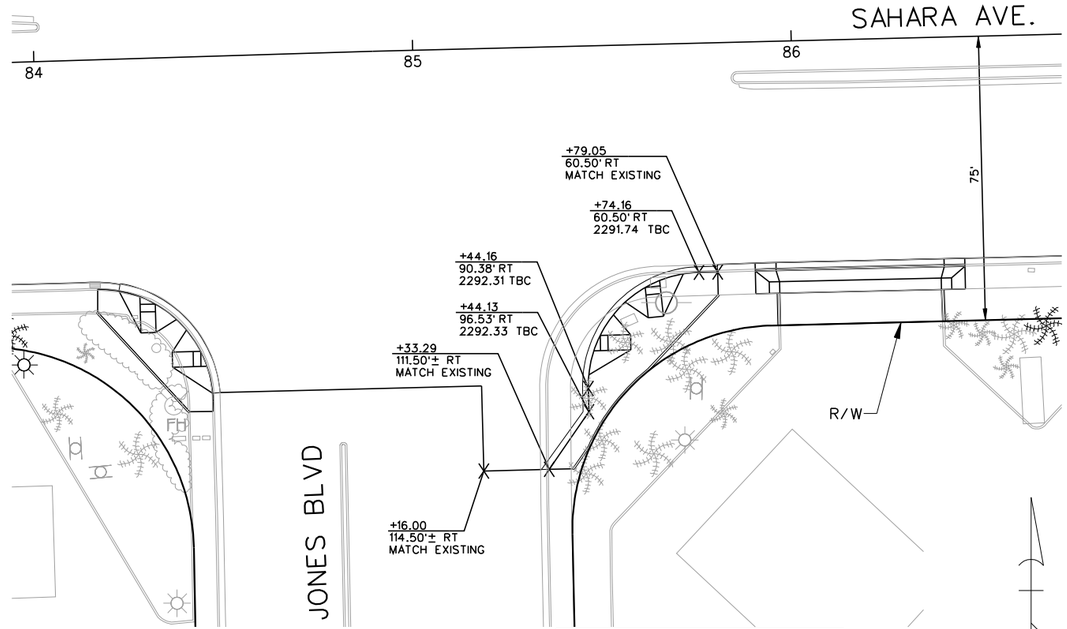
SHEET No. SD-14

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012







AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY.
Call 811 OR 1-800-227-2600
FAST
Call before you UnderGround 1-702-432-5300
FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION
AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY.
CALL BEFORE YOU DO OVERHEAD
1-702-227-2929

NOTE:
TBC - DENOTES TOP OF BACK OF CURB

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

20 10 0 20 40
GRAPHIC SCALE

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

SPECIAL DETAILS
GEOMETRICS

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: JPL CHECKED BY: KK
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ : AS SHOWN
VERT : NONE
FIELD BOOK : NONE

SHEET No.
SD-15
Sheet 150a of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

CITY OF LAS VEGAS
FIRE AND RESCUE GENERAL NOTES:

1. ALL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH THE CITY OF LAS VEGAS FIRE DEPARTMENT'S ORDINANCE # 5667, "HYDRANT SPECIFICATIONS", AND "HYDRANT INSTALLATION SPECIFICATION".

2. AUTHORIZED FIRE HYDRANTS FOR THIS PROJECT ARE:
   A. KENNEDY - GUARDIAN MODELS K81A AND K81D
   B. MUELLER - SUPER CENTURION 250 MODEL A-423
   C. CLOW - MEDALLION MODEL F-2546LVD
   D. TROY VALVE - PATRIOT MODEL PT8100N NEVADA HYDRANT
   E. U.S. PIPE - METROFLOW/M-03

3. ON ANY RESIDENTIAL OR COMMERCIAL INSTALLATIONS FIRE HYDRANTS SHALL BE INSTALLED AND FIRE APPARATUS ACCESS ROADS SHALL BE MAINTAINED BEFORE COMMENCEMENT OF ANY COMBUSTIBLE CONSTRUCTION. ALL FIRE HYDRANTS SHALL BE IN GOOD WORKING ORDER AND SHALL BE CAPABLE OF DELIVERING THE REQUIRED FIRE FLOW.

4. TO IDENTIFY THE FIRE HYDRANT LOCATIONS, CONTRACTOR SHALL PLACE A BLUE REFLECTIVE MARKER AT THE CENTER LINE OF STREET ADJACENT TO THE FIRE HYDRANTS AS REQUIRED BY ORDINANCE # 5667.

5. ALL UNDERGROUND INSPECTIONS, PRESSURE AND FLUSH VERIFICATIONS OF ALL FIRE HYDRANTS AND FIRE LINES, SHALL BE CONDUCTED BEFORE COVERTING THE LINES. CALL THE CITY OF LAS VEGAS INSPECTION HOT-LINE AT 229-2071 TO REQUEST AN INSPECTION BY THE CITY OF LAS VEGAS FIRE DEPARTMENT.

6. PAINTING OF THE CURBS AND FIRE HYDRANTS AND ALL OTHER WORK NECESSARY AS REQUIRED BY ORDINANCE # 5667, FOR THE PROTECTION OF FIRE HYDRANTS FROM PHYSICAL DAMAGE, SHALL BE COMPLETED APPROVAL BY THE CITY OF LAS VEGAS FIRE DEPARTMENT.

7. A PERMIT IS REQUIRED FROM THE CITY OF LAS VEGAS FIRE DEPARTMENT FOR THE ON-SITE WATER LINES AND FIRE HYDRANTS. THE PERMIT AND CONTRACTOR'S MATERIAL AND TEST CERTIFICATE FOR UNDERGROUND PIPING FORM SHALL BE OBTAINED FROM THE FIRE PROTECTION ENGINEER BEFORE COMMENCEMENT OF WORK.

8. PRIVATE FIRE HYDRANTS SHALL BE PAINTED RED.

9. PRIOR TO THE FINAL OCCUPANCY, A FLOW TEST MUST BE WITNESSED BY THE CITY OF LAS VEGAS FIRE DEPARTMENT TO VERIFY AVAILABILITY OF THE REQUIRED FIRE FLOW.

10. ALL ON-SITE UNDERGROUND WATER MAINS AND MATERIALS SHALL BE U.L. LISTED, A.W.W.A. APPROVED, AND SHALL BE RATED FOR THE APPROPRIATE WORKING PRESSURE.

11. FIRE HYDRANTS SPACING SHALL BE:
    RESIDENTIAL - 500 FEET UNSPRINKLERED: 600 FEET SPRINKLERED.
    COMMERCIAL - 300 FEET UNSPRINKLERED: 400 FEET SPRINKLERED.

12. WHERE NEW WATER MAINS ARE EXTENDED ALONG STREETS OR NEW STREETS ARE INSTALLED WHERE FIRE HYDRANTS ARE NOT NEEDED FOR PROTECTION OF THE STRUCTURES, FIRE HYDRANTS SHALL BE INSTALLED AT MAXIMUM 1,000 FOOT SPACING, TO PROVIDE FOR TRANSPORTATION HAZARDS. WHERE STREETS ARE PROVIDED WITH MEDIAN DIVIDERS OR HAVE FOUR OR MORE TRAFFIC LANES AND HAVE A TRAFFIC COUNT OF MORE THAN 30,000 PER DAY, HYDRANTS ARE REQUIRED ON EACH SIDE OF THE STREET SPACED AT 500 FEET ON AN ALTERNATING BASIS.

13. NO FIRE HYDRANTS SHALL BE LOCATED WITHIN THE REQUIRED RADIUS OF A CUL-DE-SAC OR WITHIN 20 FEET OF THE PERIMETER OF THE RADIUS OF THE CUL-DE-SAC.

14. NO FIRE HYDRANTS SHALL BE LOCATED WITHIN 6 FEET OF ANY CURB RETURN, DRIVEWAY, POWER POLE, STREETLIGHT OR ANY OTHER OBSTRUCTION.

15. THE MAXIMUM DISTANCE FROM A FIRE HYDRANT TO A ONE-TWO FAMILY DWELLING SHALL NOT EXCEED 300 FEET, AS MEASURED BY AN APPROVED ROUTE.

16. THE MAXIMUM DISTANCE FROM A FIRE HYDRANT TO A FIRE DEPARTMENT CONNECTION (FDC) SHALL NOT EXCEED 100 FEET, AS MEASURED BY AN APPROVED ROUTE.

17. THE MAXIMUM DISTANCE FROM A FIRE HYDRANT TO THE END OF A DEAD-END STREET SHALL NOT EXCEED 200 FEET.

18. TWO SOURCES OF SUPPLY ARE REQUIRED WHENEVER THERE ARE 4 OR MORE FIRE HYDRANTS/SPRINKLER LEAD-INS ARE INSTALLED ON A SINGLE SYSTEM. SECTIONAL CONTROL VALVES SHALL BE INSTALLED SO THAT NO MORE THAN 2 FIRE HYDRANTS CAN BE OUT OF SERVICE DUE TO A BREAK IN A WATER MAIN.

19. ALL FIRE APPARATUS ACCESS ROADS SHALL BE PAVED TO PROVIDE ALL-WEATHER DRIVING CAPABILITIES, AND SHALL BE DESIGNED AND MAINTAINED TO SUPPORT THE IMPOSED LOADS OF THE FIRE APPARATUS.

20. THE GRADIENT FOR THE FIRE APPARATUS ACCESS ROADS SHALL NOT EXCEED 12%. ANGLES OF APPROACH AND ANGLES OF DEPARTURE SHALL NOT EXCEED 6% FOR 25 FEET PRIOR TO OR AFTER THE GRADE CHANGE. ADJACENT TO THE STRUCTURES GRADIENT SHALL NOT EXCEED 6%.

21. THE TURNING RADIUS OF THE FIRE APPARATUS ACCESS ROADS SHALL BE NO LESS THAN 52 FEET OUTSIDE AND 28 FEET INSIDE TURNING RADIUS.

22. VERTICAL CLEARANCE OF ALL FIRE APPARATUS ACCESS ROADS SHALL BE NOT LESS THAN 13 FEET 6 INCHES.

CITY OF LAS VEGAS
FIRE AND RESCUE GENERAL NOTES: CONTINUED

23. FIRE DEPARTMENT ACCESS ROADS IN ALL RESIDENTIAL DEVELOPMENTS (EXCEPT FOR THE APARTMENT BUILDINGS) SHALL HAVE A MINIMUM UNOBSTRUCTED WIDTH OF NOT LESS THAN 36 FEET FLOW LINE TO THE FLOW LINE (THIS WIDTH MAY BE REDUCED TO 24 FEET, IF ALL BUILDINGS FRONTING THE STREET ARE SPRINKLERED) FOR MAIN RESIDENTIAL STREETS, WITH PARKING PERMITTED ON BOTH SIDES OF THE STREET. PRIVATE DRIVE AISLES, DRIVEWAYS, ETC. SHALL BE ALLOWED TO BE REDUCED TO A MINIMUM WIDTH OF 24 FEET WIDE FLOW LINE TO THE FLOW LINE WHEN SERVING NO MORE THAN 6 RESIDENCES, AND WHEN ON STREET PARKING IS DISALLOWED.

24. ALL FIRE APPARATUS ACCESS ROADS IN COMMERCIAL DEVELOPMENTS AND APARTMENT COMPLEXES SHALL HAVE A MINIMUM UNOBSTRUCTED WIDTH OF NOT LESS THAN 24 FEET (FLOW LINE TO THE FLOW LINE), PROVIDED NO PARKING IS ALLOWED ON EITHER SIDE; 32 FEET (FLOW LINE TO THE FLOW LINE), IF PARALLEL PARKING IS ALLOWED ON ONE SIDE ONLY; AND 40 FEET (FLOW LINE TO THE FLOW LINE), IF PARALLEL PARKING IS ALLOWED ON BOTH SIDES. THESE WIDTHS MAY BE REDUCED BY 4 FEET IF ALL BUILDINGS ARE SPRINKLERED.

25. A FIRE DEPARTMENT ACCESS ROAD SHALL EXTEND TO WITHIN 50 FEET OF A SINGLE EXTERIOR DOOR PROVIDING ACCESS TO THE INTERIOR OF THE BUILDING.

26. A FIRE APPARATUS ACCESS ROAD SHALL BE REQUIRED WHEN ANY PORTION OF AN EXTERIOR WALL OF THE FIRST STORY IS LOCATED MORE THAN 150 FEET FROM A FIRE DEPARTMENT VEHICLE ACCESS. THIS DISTANCE COULD BE INCREASE TO 250 FEET IF THE BUILDING IS SPRINKLERED.

27. APPROVED SECONDARY FIRE APPARATUS ACCESS SHALL BE PROVIDED FOR 100 OR MORE DWELLING UNITS, ROAD(S) WITH DEAD-ENDS OR WITH A SINGLE POINT OF ACCESS IN EXCESS OF 600 FEET, AND FOR ALL COMMERCIAL, INDUSTRIAL, AND MULTI-FAMILY RESIDENTIAL DEVELOPMENTS.

28. ALL DEAD-END FIRE APPARATUS ACCESS ROADS AND OR FIRE LANES, PUBLIC OR PRIVATE, IN EXCESS OF 150 FEET IN LENGTH SHALL BE PROVIDED WITH AN APPROVED TURN AROUND AREA HAVING A MINIMUM DIAMETER OF 81 FEET.

29. ALL FIRE APPARATUS ACCESS ROADS SHALL BE MARKED BY PLACING APPROVED SIGNS AT THE START OF THE DESIGNATED FIRE LANE, ONE SIGN AT THE END OF THE FIRE LANE AND WITH SIGNS AT INTERVALS 100 FEET ALONG ALL DESIGNATED FIRE LANES. SIGNS TO BE PLACED ON BOTH SIDES OF AN ACCESS ROADWAY IF NEEDED TO PREVENT PARKING ON EITHER SIDE. SIGNS TO BE INSTALLED NO HIGHER THAN 10 FEET OR LESS THAN 6 FEET FROM ROADWAY LEVEL. THE CURB ALONG OR ON THE PAVEMENT OR CEMENT IF A CURB IS NOT PROVIDED SHALL BE PAINTED WITH A RED WEATHER RESISTANT PAINT IN ADDITION TO THE SIGNS.

30. ELECTRICALLY CONTROLLED ACCESS GATES SHALL BE PROVIDED WITH AN APPROVED EMERGENCY VEHICLE DETECTOR/RECEIVER SYSTEM. SAID SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH THE CITY OF LAS VEGAS GUIDELINES FOR AUTOMATIC EMERGENCY VEHICLE ACCESS GATES.

LAS VEGAS VALLEY WATER DISTRICT
STANDARD NOTES:

LVVWD PROJECT NO 116433

1. NO WORK SHALL BEGIN UNTIL THE WATER PLANS HAVE BEEN APPROVED FOR CONSTRUCTION BY THE LAS VEGAS VALLEY WATER DISTRICT (LVVWD). FOLLOWING WATER PLAN APPROVAL, NOTICE SHALL BE GIVEN TO THE LVVWD COMMUNICATION SUPPORT CENTER (258-7171) TWO (2) WORKING DAYS PRIOR TO THE START OF CONSTRUCTION. FOR FUTURE INSPECTIONS, NOTICE MUST BE GIVEN BY 2:00 PM THE BUSINESS DAY PRIOR TO THE REQUESTED LVVWD INSPECTION. WHEN REQUESTING INSPECTIONS, PLEASE REFER TO THE PROJECT NO IDENTIFIED ABOVE.

2. ALL WORK SHALL CONFORM TO LVVWD STANDARD PLATES, DRAWINGS, AND SPECIFICATIONS, AND TO THE 2010 EDITION OF THE UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR POTABLE WATER SYSTEMS (UDACS).

3. ALL WORK: EXCEPT AS MODIFIED BY THESE PLANS OR BY NOTE 2 ABOVE, SHALL BE DONE IN ACCORDANCE WITH THE MOST RECENT DRAFT OR EDITION OF THE UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFFSITE IMPROVEMENTS, CLARK COUNTY AREA.

4. A SINGLE PIPE MATERIAL SHALL BE USED THROUGHOUT THE PROJECT UNLESS OTHERWISE APPROVED BY THE LVVWD.

5. ALL SERVICE LATERALS TWO (2) INCHES IN DIAMETER AND SMALLER SHALL BE TYPE K COPPER TUBING WITH LVVWD APPROVED SERVICE SADDLES.

6. ALL WATER METER BOXES SHALL BE LOCATED OUTSIDE OF DRIVEWAY AREAS.

7. ALL VALVES SHALL BE LOCATED OUTSIDE OF DRIVEWAYS, VALLEY AND CURB GUTTERS.

8. ALL WATER AND STORM DRAIN OR SANITARY SEWER CROSSINGS SHALL CONFORM TO SECTION 2.22 OF THE 2010 EDITION UDACS.

9. ALL WATER FACILITIES SHALL BE FILLED, DISINFECTED, PRESSURE TESTED, FLUSHED, FILLED AND AN ACCEPTABLE WATER SAMPLE OBTAINED, PRIOR TO CONNECTION TO THE LAS VEGAS VALLEY WATER DISTRICTS DISTRIBUTION SYSTEM.

10. THE CONTRACTOR MUST OBTAIN ALL METERS TWO (2) INCHES AND SMALLER FROM LVVWD CENTRAL STORES; TELEPHONE 258-3152 OR 258-3802, TWO (2) WORKING DAYS PRIOR TO METER PICKUP.

LAS VEGAS VALLEY WATER DISTRICT
STANDARD NOTES: CONTINUED

11. ANY INTERRUPTION OF SERVICE MUST BE PERFORMED IN ACCORDANCE WITH UDACS SECTION 3.14.01 AND APPROVED BY THE LVVWD INSPECTION DIVISION PRIOR TO SHUTDOWN. PROPER WRITTEN NOTIFICATION MUST BE GIVEN TO ALL AFFECTED CUSTOMERS.

12. ALL WATER FACILITY CONSTRUCTION MATERIALS USED MUST BE AS LISTED ON THE LAS VEGAS VALLEY WATER DISTRICTS PRE-APPROVED MATERIALS AND MANUFACTURERS LISTING FOR NEW FACILITIES, LATEST REVISION, OR SPECIFICALLY APPROVED ON THESE PLANS.

13. TELEPHONE "CALL BEFORE YOU DIG" AT 811 OR 1-800-227-2600.

LAS VEGAS VALLEY WATER DISTRICT
SPECIAL NOTES:

1. THE LOCATION OF WATER SERVICE IS NOT SHOWN ON THE DRAWINGS. HOWEVER, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO RELOCATE ALL WATER SERVICES INTERFERING WITH CONSTRUCTION ACCORDING TO THE LAS VEGAS VALLEY WATER DISTRICT'S STANDARDS. ANY WATER METER TO BE OUT OF SERVICE MUST BE PROVIDED WITH TEMPORARY SERVICE.

2. "FIRE HYDRANT RELOCATION AND LATERAL ABANDONMENT" (EXISTING LATERAL TO BE ABANDONED) WHERE SHOWN ON THE DRAWING(S), THE CONTRACTOR SHALL ABANDON THE EXISTING FIRE HYDRANT(S) BY REMOVING BOTH THE UPPER AND LOWER BARRELS OF THE FIRE HYDRANT SO THAT NO PORTION OF THE REMAINING FIRE HYDRANT ASSEMBLY IS CLOSER THAN TWO (2) FEET TO THE EXISTING GRADE. FIRE HYDRANTS SHALL BE TESTED PRIOR TO AND AFTER RELOCATION UNDER THE DIRECTION OF THE DISTRICT TO ENSURE QUALITY OF THE FIRE HYDRANT(S). THE EXISTING HYDRANT SHALL BE INSTALLED AT THE NEW LOCATION AS INDICATED ON THE DRAWING, IN ACCORDANCE WITH UDACS PLATE 40. THE EXISTING VALVE SHALL BE ABANDONED IN A CLOSED POSITION, UNLESS SHOWN OTHERWISE, BY REMOVING A MINIMUM OF THE TOP TWENTY-FOUR (24) INCHES OF THE VALVE BOX, AND THEN FILLING THE BOTTOM OF THE BOX WITH A MINIMUM OF EIGHT (8) INCHES OF SAND OR TYPE 2 AGGREGATE BASE, THE REMAINING PORTION OF THE VALVE BOX SHALL BE FILLED WITH CONCRETE HAVING A COMPRESSIVE STRENGTH OF AT LEAST TWO-THOUSAND (2000) PSI. THE LATERAL SHALL BE CUT WITHIN THREE (3) FEET OF THE ABANDONED VALVE, OR AS SHOWN ON PLANS, AND CAPPED. WHERE A JOINT OR COUPLING IN THE EXISTING PIPE IS UNCOVERED AT THE CUT AND CAP LOCATION, THE INSTALLATION OF A PLUG MAY BE PERMITTED, WITH DISTRICT APPROVAL. A CONCRETE THRUST BLOCK SHALL BE INSTALLED AT ALL CUT AND CAP LOCATIONS IN ACCORDANCE WITH THE PROVISIONS OF UDACS PLATE 31.

3. ABANDONMENT OF EXISTING SERVICE(S) - 2" AND SMALLER. THE CONTRACTOR SHALL NOTIFY THE INSPECTION DIVISION AT THE LVVWD (702-258-3227) 48 HOURS PRIOR TO THE REQUESTED REMOVAL TIME TO ALLOW THE DISTRICT TO TAKE THE FINAL METER READING. AFTER THE FINAL READING THE CONTRACTOR MAY THEN BEGIN REMOVAL PROCEDURES FOR THE AFFECTED SERVICE AS FOLLOWS: EXISTING SERVICE LATERALS THAT ARE TO BE ABANDONED FROM THE EXISTING WATER MAINS SHALL HAVE THE CORPORATION STOPS TURNED OFF AT THE MAIN, A MINIMUM OF TWELVE (12) INCHES OF THE LATERAL CUT OUT NEAR THE CORPORATION STOP AND BRASS CAP INSTALLED ON THE CORPORATION STOP. IF THE CORPORATION STOP IS DAMAGED BEYOND REPAIR OR PULLED FROM THE EXISTING WATER MAIN, THE MAIN SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE IN A MANNER APPROVED BY THE DISTRICT. IF THE CORPORATION STOP IS NOT WATER TIGHT, THE CONTRACTOR SHALL NOTIFY LVVWD COMMUNICATION SUPPORT CENTER AT (702-258-7171) FOR FURTHER DIRECTION. THE EXISTING METER(S) SHALL BE REMOVED AND DELIVERED TO THE DISTRICT. THE CONTRACTOR SHALL REMOVE THE EXISTING SERVICE METER BOX AND APPURTENANCES, FILL AND GRADE ANY AND ALL RESULTING VOIDS, AND REPLACE OR RESTORE TO ORIGINAL CONDITION OR BETTER, ALL LANDSCAPING, IRRIGATION SYSTEMS, CONCRETE, SIDEWALKS, ASPHALT, OR ANY OTHER ITEMS DAMAGED OR REMOVED DURING THE REMOVAL OF THE EXISTING SERVICE METER BOX.

4. RECONNECT SERVICE LATERALS 2" AND SMALLER. ALL SERVICE LATERALS TWO (2) INCHES AND SMALLER THAT ARE CUT OR DAMAGED MAY BE RECONNECTED, PROVIDED THE FOLLOWING CRITERIA ARE MET:

   1) IF THE LATERAL IS COPPER, THE LATERAL MAY BE CUT AND SPLICED NOT MORE THAN ONCE IN A MANNER APPROVED BY THE DISTRICT.

   2) IF THE LATERAL IS NOT COPPER, THE LATERAL MUST BE ABANDONED FROM THE EXISTING WATER MAIN, HAVE THE CORPORATION STOP TURNED OFF AT THE MAIN, AND A MINIMUM OF TWELVE (12) INCHES OF THE LATERAL CUT OUT NEAR THE CORPORATION STOP AND A BRASS CAP INSTALLED ON THE CORPORATION STOP. IF THE CORPORATION STOP IS DAMAGED BEYOND REPAIR OR PULLED FROM THE EXISTING WATER MAIN, THE MAIN SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE, IN A MANNER APPROVED BY THE LVVWD. IF THE CORPORATION STOP IS NOT WATER TIGHT, THE CONTRACTOR SHALL NOTIFY LVVWD COMMUNICATION SUPPORT CENTER (702-258-7171) FOR FURTHER DIRECTION. THE CONTRACTOR SHALL INSTALL A NEW SERVICE OF LIKE SIZE ADJACENT TO THE DAMAGED SERVICE IN ACCORDANCE WITH UDACS PLATE NO 2 OR 4.

LAS VEGAS VALLEY WATER DISTRICT
SPECIAL NOTES: CONTINUED

10. APPROVED REDUCED PRESSURE PRINCIPAL ASSEMBLY SHALL BE INSTALLED PER UDACS PLATE NO 8, NO WATER SHALL BE TAKEN FROM A SERVICE REQUIRING BACKFLOW PREVENTION UNTIL THE REDUCED PRESSURE PRINCIPAL ASSEMBLY HAS BEEN SUCESSFULLY TESTED BY THE LVVWD. ANY BLOCK WALL OR OTHER FENCE MATERIAL SHALL BE DESIGNED AND CONSTRUCTED AROUND THE OUTSIDE OF THE EASEMENT(S) TO ALLOW THE DISTRICT DIRECT ACCESS FROM THE ADJACENT RIGHT-OF-WAY. EASEMENTS SHALL BE CLEARLY MARKED OR STAKED PRIOR TO THE START OF CONSTRUCTION.

11. THE DISTRICT CANNOT GUARANTEE A WATERTIGHT SHUTDOWN WHERE CONNECTIONS OR REPAIRS TO EXISTING FACILITIES ARE REQUIRED. THE CONTRACTOR SHALL ENSURE ALL LABOR AND EQUIPMENT IS AVAILABLE TO REMOVE FUGITIVE WATER THAT MAY IMPEDE CONSTRUCTION AT ALL TIMES. COORDINATION WITH INSPECTION DIVISION MUST TAKE PLACE PRIOR TO ANY TRIAL SHUTDOWN. CONTRACTOR TO INSTALL TEMPORARY SERVICE TO ENSURE PROPER SHUTDOWN IN THE EVENT NO OTHER APPURTENANCES ARE AVAILABLE.

16. CONTRACTOR MUST SUBMIT SHOP DRAWINGS TO LVVWD BEFORE CONSTRUCTION TO SHOW HOW WATERLINE SPANNING A TRENCH WILL BE SUPPORTED DURING EXCAVATION AND BACKFILL. DRAWINGS WILL INCLUDE ALL LOCATIONS WHERE WATERLINES SPAN TRENCH GREATER THAN FOUR (4) FEET WIDE.

17. INSTALLATION OF METER AND VAULT. THE METER(S) AND VAULT(S) WITH NON-TRAFFIC BEARING COVER(S) SHALL BE INSTALLED IN ACCORDANCE WITH THE DETAIL ON SHEET U-52 AND WITH UDACS STANDARD VAULT DRAWING C-475, LATEST REVISION. ANY BLOCK WALL OR OTHER FENCE MATERIAL SHALL BE DESIGNED AND CONSTRUCTED AROUND THE OUTSIDE OF THE EASEMENT(S) TO ALLOW THE DISTRICT ACCESS TO THE VAULT(S) FROM THE ADJACENT RIGHT-OF-WAY. EASEMENT SHALL BE CLEARLY MARKED OR STAKED PRIOR TO THE START OF CONSTRUCTION.

18. CONTRACTOR SHALL PROTECT EXISTING BACKFLOW PREVENTER AND PAD IN PLACE AT EXISTING ELEVATION. SIDEWALK TO BE ADJUSTED TO MATCH PAD OR ROUTED AROUND BACKFLOW PREVENTER.

19. CONTRACTOR TO CAREFULLY EXCAVATE IN AREA(S) OVER AND AROUND ACP WATER LINE.

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

APPROVED FOR CONSTRUCTION:

Signature On File
LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER

PROJECT NO 116433 DATE 5/8/2011

APPROVAL OF THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR, OR AN APPROVAL OF, ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS.

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

REV. NO.	DATE	DESCRIPTION	APPROVED
A	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
UTILITY NOTES

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: SSM
DESIGNED BY: DM CHECKED BY: TC
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: NONE
VERT: NONE
FIELD BOOK: NONE

SHEET No.
UN1

CLARK COUNTY WATER RECLAMATION DISTRICT GENERAL NOTES:

1. ALL CONSTRUCTION AND MATERIALS SHALL CONFORM TO THE LATEST EDITION OF THE DESIGN AND CONSTRUCTION STANDARDS FOR WASTEWATER COLLECTION SYSTEMS LATEST EDITION: UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR POTABLE WATER SYSTEMS, LATEST EDITION: THE UNIFORM STANDARDS FOR PUBLIC WORKS CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY, NEVADA, AS AMENDED: AND THE UNIFORM PLUMBING CODE. CONTRACTOR SHALL ADVISE THE CONTROLLING AGENCY OF ANY CONFLICTS DISCOVERED BETWEEN THESE SPECIFICATIONS PRIOR TO PROCEEDING WITH THE WORK GOVERNED BY THE CONFLICTING REQUIREMENTS. THE ENGINEER AND/OR CONTRACTOR SHALL PROPOSE A RESOLUTION TO THE CONFLICT FOR REVIEW BY THE AGENCY PRIOR TO PERFORMING THE WORK AFFECTED BY THE CONFLICT. THE RESOLUTION SHALL GENERALLY BE IN THE MANNER THAT YIELDS THE HIGHER QUALITY AND/OR PERFORMANCE OF THE WORK. THE CONTROLLING AGENCY SHALL ISSUE WRITTEN APPROVAL FOR THE RESOLUTION OF THE CONFLICT WHICH SHALL BECOME A PART OF THE CONSTRUCTION DOCUMENTS FOR THE WORK.
2. THESE STANDARDS APPLY TO ALL CONSTRUCTION.
3. SEWER MAINS SHALL BE LAID INDIVIDUALLY IN TRENCHES THAT ARE INDEPENDENT FROM THE TRENCHES FOR OTHER UTILITIES.
4. ALL LATERALS SHALL BE LAID AT SLOPES NOT LESS THAN THE MINIMUM SLOPES SHOWN IN THESE SPECIFICATIONS.
5. IT SHALL BE THE CONTRACTORS SOLE RESPONSIBILITY TO PERFORM CONSTRUCTION IN FULL CONFORMANCE WITH THE APPROVED CONSTRUCTION DOCUMENTS. SHOULD THE DEVELOPER, ENGINEER OR CONTRACTOR WISH TO MAKE CHANGES TO THE APPROVED CONSTRUCTION DOCUMENTS, SUCH CHANGES SHALL BE APPROVED BY THE AGENCY PRIOR TO CONSTRUCTION OF THE AFFECTED IMPROVEMENTS. CHANGES CONSTRUCTED WITHOUT AGENCY APPROVAL SHALL BE REMOVED BY THE CONTRACTOR AT ITS OWN EXPENSE AND THE WORK CONSTRUCTED AS DEPICTED IN THE APPROVED CONSTRUCTION DOCUMENTS.
6. SOIL TESTING SHALL BE PERFORMED IN ACCORDANCE WITH SECTION 3.15 OF THE DESIGN AND CONSTRUCTION STANDARDS FOR WASTEWATER COLLECTION SYSTEMS, LATEST EDITION.
7. ALL AIR TESTING, VISUAL INSPECTIONS, SYSTEM CLEANING, DEFLECTION TESTING, TELEVISING, PRESSURE TESTING AND LEAKAGE TESTING SHALL BE IN ACCORDANCE WITH SECTION 3.19 OF THE DESIGN AND CONSTRUCTION STANDARDS FOR WASTEWATER COLLECTION SYSTEMS, LATEST EDITION.
8. CUT SHEETS CONFORMING TO SECTION 3.6 OF THE DESIGN AND CONSTRUCTION STANDARDS FOR WASTEWATER COLLECTION SYSTEMS, LATEST EDITION SHALL BE SUBMITTED BY THE CONTRACTOR TO THE CONTROLLING AGENCY FOR REVIEW BEFORE BEGINNING CONSTRUCTION. CONTRACTOR SHALL NOT BEGIN CONSTRUCTION UNTIL AUTHORIZED BY THE AGENCY.
9. CONTRACTORS INSTALLING SEWER MAINS THAT WILL BE UNDER THE JURISDICTION OF THE AGENCY SHALL POSSESS A CLASS "A" LICENSE PER THE NEVADA STATE CONTRACTORS BOARD.
10. WHEN CONNECTING TO AN EXISTING STUB, CONTRACTOR SHALL CLEAN AND TEST BOTH THE NEW AND EXISTING PORTIONS OF THE LINE TO THE NEXT MANHOLE UPSTREAM/DOWNSTREAM.
11. ALL SANITARY SEWER MANHOLES SHALL BE LOCATED AND CONSTRUCTED SUCH THAT THEY ARE ACCESSIBLE TO CONVENTIONAL SEWER MAINTENANCE VEHICLES AT ALL TIMES AND UNDER ALL WEATHER CONDITIONS. THOSE MANHOLES INSTALLED ALONG ACCESS ROADS HAVING SINGLE POINTS OF ENTRY AND EGRESS (I.E. "DEAD-END ROADS") SHALL HAVE AT LEAST ONE LOCATION ALONG THE ACCESS ROAD HAVING SUFFICIENT WIDTH TO ALLOW TURN-AROUNDS OF VEHICLES HAVING INSIDE TURNING RADII OF 50-FEET.
12. ALL SEWER MAINS UNDER CONSTRUCTION SHALL HAVE A DEBRIS TRAP PER STANDARD DRAWING SD-30 AT THE POINT OF CONNECTION TO THE EXISTING SEWER SYSTEM UNTIL ALL CONSTRUCTION ACTIVITIES, INCLUDING FINAL TESTING, ARE COMPLETED AND THE SEWER IS READY FOR FINAL ACCEPTANCE BY THE AGENCY.
13. ALL MANHOLES UNDER CONSTRUCTION SHALL HAVE PLUGS PLACED IN THEIR OUTLET PIPES DURING ALL CONSTRUCTION ACTIVITIES TO PREVENT THE MIGRATION OF SEWER CONSTRUCTION DEBRIS DOWNSTREAM. THESE PLUGS MAY BE REMOVED FOR SHORT PERIODS AS NECESSARY TO ACCOMPLISH FINAL SEWER CLEANING AND TESTING TASKS PRIOR TO FINAL ACCEPTANCE OF THE IMPROVEMENTS.
14. PRIOR TO ANY SEWER MAIN BEING PLACED IN SERVICE AND AS A CONDITION OF FINAL ACCEPTANCE, ALL NEW SEWER MAINS SHALL BE TELEVISED IN ACCORDANCE WITH SECTION 3.19.1.E OF THE DESIGN STANDARDS.
15. IF ANY EXISTING MANHOLE HAVING A LINING SYSTEM IS BEING MODIFIED AS PART OF THE CONSTRUCTION OF THE NEW SANITARY SEWER, THAT LINING SYSTEM SHALL BE RESTORED TO ITS ORIGINAL CONDITION PRIOR TO THE MODIFICATIONS USING LINING MATERIALS AND SYSTEMS THAT ARE FULLY COMPATIBLE WITH THE ORIGINAL LINING.
16. FIELD-INSTALLED SEWER LINING SYSTEMS MAY NOT BE INSTALLED UNTIL AFTER ALL MANHOLE CONSTRUCTION TASKS ARE COMPLETED, INCLUDING BACKFILLING AND INITIAL GRADE ADJUSTMENTS, BUT PRIOR TO FINAL GRADE ADJUSTMENT.
17. NEW SEWERS HAVING GRADES OF 0.5 PERCENT OR LESS SHALL BE STAKED FOR CONSTRUCTION AT A MAXIMUM OF 25-FEET ON CENTER.
18. SEWER LATERALS SHALL BE CONNECTED TO SEWER MAINS ONLY. LATERALS MAY NOT BE CONNECTED TO SANITARY SEWER MANHOLES UNLESS APPROVED BY THE AGENCY.
19. SEWER PIPE MATERIAL, PIPE SPECIFICATION, WALL THICKNESS, INTERNAL DIAMETER AND PIPE SLOPE SHALL BE UNIFORM BETWEEN MANHOLES. CHANGES IN PIPE MATERIALS, SPECIFICATIONS, WALL THICKNESSES, INTERNAL DIAMETERS AND/OR PIPE SLOPES SHALL BE MADE AT MANHOLES ONLY.
20. LOCATOR RIBBON AND MARKER BALLS SHALL BE PLACED ABOVE ALL NEW SANITARY SEWERS, LATERALS AND FORCE MAINS IN ACCORDANCE WITH SECTION 3.14 OF THE DESIGN STANDARDS.

CLARK COUNTY WATER RECLAMATION DISTRICT SPECIAL NOTES

1. BEFORE EXISTING SEWER LINES MAY BE REMOVED OR ABANDONED, ALL SERVICE LATERALS TIED TO THESE LINES SHALL BE RELOCATED TO NEW INSTALLED SEWERS. CONTINUOUS SERVICE SHALL BE MAINTAINED TO ALL CCWRD CUSTOMERS.
2. AS TEMPORARY LINES ARE TAKEN OUT OF SERVICE, ALL MANHOLE BASES SHALL BE REPLACED WITH NEW BASE HAVING FLOW CHANNELS PER THE CURRENT DCSWCS.
3. ALL REMOVED AND/OR ABANDONED SEWER AND MANHOLE WORK ITEMS SHALL BE PERFORMED IN ACCORDANCE WITH SECTION 3.19 OF THE DCSWCS.
4. ALL REMOVED MANHOLES ON THIS PROJECT SHALL BE ABANDONED BY REMOVING ALL COMPONENTS AND RETURNING SALVAGEABLE PARTS TO THE CCWRD OFFICES AT THE CONTRACTOR'S EXPENSE, AND CRACKING THE MANHOLE BASES TO PERMIT DRAINAGE. COMPONENTS NOT DEEMED SALVAGEABLE BY A CCWRD INSPECTOR SHALL BE HAULED OFFSITE AND DISPOSED OF BY THE CONTRACTOR.
5. EXTEND ALL EXISTING SEWER LATERALS NOT OTHERWISE RELOCATED TO NEW R.O.W. LINE, CAP AND PLUG. (NO DIRECT PAYMENT) CONTRACTOR'S SURVEYOR TO SUPPLY HORIZONTAL COORDINATES, DRAWING SHEET NUMBER AND INVERT ELEVATIONS, TO THE NEAREST TENTH OF A FOOT, AT EACH LATERAL. A COMPLETE TABLE TO BE SUBMITTED TO CCWRD ENGINEERING PRIOR TO PROJECT FINALIZATION.

CLARK COUNTY FIRE DEPARTMENT GENERAL NOTES

A. ALL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH THE 2005 CLARK COUNTY FIRE CODE, AND THE 2002 EDITION OF NATIONAL FIRE PROTECTION ASSOCIATION PAMPHLET #24.

B. FIRE HYDRANTS AND WATER SUPPLIES FOR FIRE PROTECTION SHALL BE MADE SERVICEABLE PRIOR TO AND DURING THE TIME OF CONSTRUCTION IN ACCORDANCE WITH SECTION 901.3 OF THE 2005 CLARK COUNTY FIRE CODE.

C. IF DURING CONSTRUCTION IT BECOMES NECESSARY TO CLOSE ANY CONTROL VALVE OR PLACE A HYDRANT OUT OF SERVICE, THE CLARK COUNTY FIRE DEPARTMENT MUST BE CONTACTED.

D. PAINTING OF CURBS AND/OR STRIPING OF ASPHALT AREAS AND PROTECTION OF HYDRANTS FROM PHYSICAL INJURY SHALL BE PER THE FIRE HYDRANT INSTALLATION SPECIFICATIONS OF THE FIRE PREVENTION BUREAU.

E. NO FIRE HYDRANT SHALL BE LOCATED WITHIN 25 FEET OF ANY STRUCTURE, OR 5 FEET OF A DRIVEWAY, POWER POLE, LIGHT STANDARD, OR ANY OTHER OBSTRUCTION. FOR WALL, FENCE AND PLANTER LOCATIONS, A PERIMETER AROUND THE HYDRANT MEASURING A MINIMUM OF 3 FEET FROM ITS EXTERIOR SHALL BE MAINTAINED CLEAR OF ALL OBSTRUCTION AT ALL TIMES.

F. AT ALL TIMES DURING CONSTRUCTION, SUITABLE EMERGENCY VEHICLE ACCESS ROAD(S) MUST BE MAINTAINED. ROADWAYS MUST BE SMOOTH, COMPACTED AND CAPABLE OF SUPPORTING THE IMPOSED LOADS OF ALL EMERGENCY VEHICLES.

G. PRIOR TO ACCEPTANCE OF ANY FIRE SERVICE MAIN, A SATISFACTORY HYDROSTATIC TEST WITH PIPING JOINTS UNCOVERED MUST BE CONDUCTED. APPROVED PLANS, AN INSTALLATION PERMIT AND A CONTRACTOR'S MATERIALS AND TEST CERTIFICATE MUST BE PROVIDED AT TIME OF INSPECTION. CALL CCFD INSPECTION HOTLINE AT 226-8991 TO SCHEDULE INSPECTIONS.

H. FIRE HYDRANTS SHALL BE LOCATED 4' TO 7' FROM BACK OF CURB.

I. BLUE REFLECTIVE MARKERS MUST BE INSTALLED BEFORE FINAL HYDRANT ACCEPTANCE CAN BE ATTAINED (2005 CLARK COUNTY FIRE CODE, SEC. 901.4.3).

J. APPROVED (PUBLIC) FIRE HYDRANTS FOR THIS PROJECT ARE:
   1. KENNEDY - GUARDIAN MODELS K81A AND K81D
   2. MUELLER - SUPER CENTURION 250 MODEL A-423
   3. CLOW - MEDALLION MODEL F-2546LVD
   4. TROY VALVE - PATRIOT MODEL PT8100N NEVADA HYDRANT

CITY OF LAS VEGAS SEWER NOTES:

1. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE DESIGN AND CONSTRUCTION STANDARDS FOR WASTEWATER COLLECTION SYSTEMS AND THE UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS' CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA, NEVADA, AS AMENDED. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO BE AWARE OF THE CONTENTS OF THE ABOVE SPECIFICATIONS.
2. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PERFORM CONSTRUCTION AS PER PLANS. ANY ADDITIONS, DELETIONS, OR CHANGES SHALL FIRST MEET WITH THE APPROVAL OF THE CITY ENGINEER.
3. CHISEL "S" OR "G" IN CURBS WHERE SEWER OR GAS LATERALS PASS UNDER THE CURB.
4. POLYVINYL (PVC) SEWER PIPE SHALL MEET ASTM D-3034 SDR 35 SPECIFICATIONS, INSTALLED WITH SAND BEDDING AND BACKFILL OF TYPE II AGGREGATE BASE.
5. ALL MANHOLES IN PAVED STREETS EIGHTY (80') FOOT R/W AND LARGER SHALL HAVE CONCRETE COLLARS. STREETS LESS THAN EIGHTY (80') FOOT R/W WILL REQUIRED RETROFIT IF PAVING DOES NOT CONFORM TO CITY STANDARDS AT THE MANHOLE.
6. TEE SADDLES SHALL BE USED TO CONNECT SEWER LATERALS TO EXISTING MAIN LINES UP TO TWELVE INCH (12") DIAMETER. CONNECTIONS TO FIFTEEN INCH (15") OR LARGER MAINS SHALL REQUIRE SPECIAL PROCEDURES. IN LINE "Y" 'S SHALL BE USED ON LINES TWELVE INCHES (12") OR ABOVE.
7. WATER MAINS SHALL BE PROTECTED IN ACCORDANCE WITH LVVWD STANDARDS WHENEVER A SEWER MAIN CROSSES OVER A WATER MAIN OR THE SEWER IS LESS THAN EIGHTEEN INCH (18") UNDER A WATER MAIN.
8. ALL CONTRACTORS INSTALLING SEWER MAINS THAT WILL BE UNDER THE JURISDICTION OF THE CITY OF LAS VEGAS MUST BE STATE OF NEVADA CLASS "A" CONTRACTORS.
9. THE CITY OF LAS VEGAS WILL NOT ACCEPT ANY SEWER MAINS WHICH HAVE A VERTICAL DEFLECTION OF MORE THAN ONE TENTH (0.1) OF A FOOT FROM THE APPROVED CONSTRUCTION PLANS AT ANY LOCATION. SEWER MAINS FOUND TO EXCEED THIS TOLERANCE WILL HAVE TO BE REPAIRED OR REMOVED OR REPLACED TO THE SATISFACTION OF THE CITY ENGINEER PRIOR TO ACCEPTANCE BY THE CITY OF LAS VEGAS.
10. INSTALLATION OF CURVED SEWERS REQUIRES THE USE OF C-900 PVC PIPE WHICH ALLOWS FOR PIPE DEFLECTION AT THE JOINTS.

CLARK COUNTY PUBLIC WORKS GENERAL NOTES:

1. ALL WORK DONE WITHIN THE PUBLIC RIGHT-OF-WAY & OUTSIDE OF THE PROJECT BOUNDARIES REQUIRES A SEPARATE ENCROACHMENT PERMIT ISSUED BY THE CLARK COUNTY DEPARTMENT OF DEVELOPMENT SERVICES. TRENCH AND PAVEMENT REPLACEMENT CONDITIONS SHALL BE AS PER THE PERMIT.
2. EXACT LOCATIONS OF ALL SAWCUT LINES SHALL BE DETERMINED IN THE FIELD BY A CLARK COUNTY INSPECTOR.
3. ALL OFF-SITE IMPROVEMENT CONSTRUCTION SHALL CONFORM TO THE UNIFORM STANDARD SPECIFICATIONS AND IMPROVEMENT DRAWINGS, LATEST REVISION.

NOTE: "A"

NV ENERGY, EMBARQ TELEPHONE, AND SOUTHWEST GAS SHOWN FOR INFORMATION ONLY. REFERENCE NV ENERGY, EMBARQ TELEPHONE, AND SOUTHWEST GAS DRAWINGS FOR CONSTRUCTION DETAILS. CONTRACTOR TO COORDINATE WITH UTILITIES FOR REMOVAL AND INSTALLATION OF FACILITIES.

NOTE: "B"

ALL EXISTING UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO DETERMINE THE EXACT VERTICAL AND HORIZONTAL LOCATION OF ALL EXISTING UNDERGROUND UTILITIES PRIOR TO COMMENCING CONSTRUCTION.
NO REPRESENTATION IS MADE THAT ALL UTILITIES ARE SHOWN HEREON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN IN THEIR PROPER LOCATION.
THE DEPTH BELOW GRADE OF THE VARIOUS UTILITIES DEPICTED ON THE PLANS VARIES THROUGHOUT THE PROJECT AREA. THE CONTRACTOR SHALL EXERCISE EXTREME CARE WHERE EXCAVATING AND GRADING THE SUBBASE IN THE VICINITY OF UTILITIES TO AVOID DAMAGE TO THE LATTER.

DEVIATIONS FROM STANDARDS

THERE ARE NO DEVIATIONS FROM THE LVVWD STANDARDS, UNLESS STATED IN THE SPECIFICATIONS.

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

SUMMARY OF CLV QUANTITIES

ITEM No.	DESCRIPTION	UNIT	APPROX QUANTITY
630.01	ADJUST SS MANHOLE FRAME AND COVER	EA	176
630.02			
630.03			

CONSTRUCTION NOTE:

ALL CCWRD SANITARY SEWER MANHOLE COVERS SHALL BE ADJUSTED TO FINISH GRADE PER SECTION 630 OF THE SPECIAL PROVISIONS AND DRAWING SD-5 OF THE DESIGN AND CONSTRUCTION STANDARDS FOR WASTEWATER COLLECTION SYSTEMS.

SUMMARY OF CCWRD QUANTITIES

ITEM No.	DESCRIPTION	UNIT	APPROX QUANTITY
630.01	ADJUST SS MANHOLE FRAME AND COVER	EA	83
630.02			
630.03			

Signature On File 2/9/2011
CLARK COUNTY WATER RECLAMATION DISTRICT — DATE

CCWRD PROJECT NUMBER IS 6429.10

"SIGNATURE ON THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR OR AN APPROVAL OF ANY VIOLATION OF CLARK COUNTY WATER RECLAMATION DISTRICT RULES, REGULATIONS, OR DESIGN AND CONSTRUCTION STANDARDS. THE APPROVAL OF THESE DRAWINGS DOES NOT GUARANTEE CAPACITY IN THE DISTRICT'S COLLECTION OR TREATMENT SYSTEM"

CLARK COUNTY FIRE DEPARTMENT APPROVAL

Signature On File 5/3/2011
BY — DATE

APPROVAL OF THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR, OR AN APPROVAL OF, ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS.

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
UTILITY NOTES

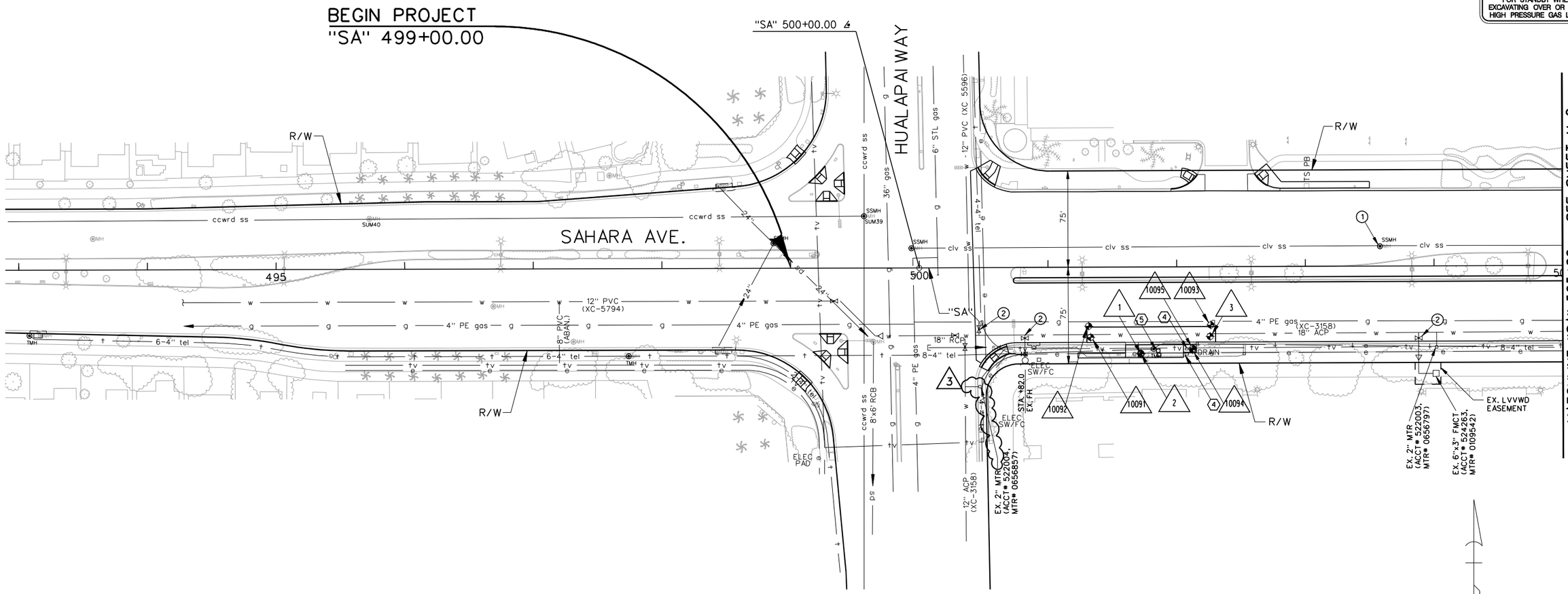
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: SSM
DESIGNED BY: DM CHECKED BY: TC
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: NONE
VERT: NONE
FIELD BOOK: NONE

SHEET No. UN2



CAUTION:
HIGH PRESSURE GAS LINE. CONTRACTOR TO CALL SOUTHWEST GAS AT 365-2296 FOR STANDBY WHEN EXCAVATING OVER OR NEAR HIGH PRESSURE GAS LINES.

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

DRY UTILITY ITEMS:

④	"SA" 502+07.5, 63.8'	RT	EXISTING CATV FACILITIES TO BE ADJUSTED BY COX COMMUNICATIONS.
	"SA" 502+07.6, 67.6'	RT	
⑤	"SA" 501+81.8, 63.8'	RT	EXISTING TELEPHONE FACILITIES TO BE ADJUSTED BY CENTURYLINK.

UTILITY CONSTRUCTION ITEMS:

①	"SA" 503+58, 15'	LT	ADJUST MANHOLE COVER TO FINISH GRADE PER SECTION 630 OF THE SPECIAL PROVISIONS AND THE DESIGN AND CONSTRUCTION STANDARDS FOR WASTEWATER COLLECTION SYSTEMS DRAWING SD-5.
②	"SA" 500+46, 48'	RT	ADJUST WATER VALVE BOX TO FINISH GRADE PER UDACS PLATE 39. VALVE SHALL BE ACCESSIBLE AT ALL TIMES.
	"SA" 500+81, 55'	RT	
	"SA" 503+87, 56'	RT	

POTHOLE LEGEND

XX POTHOLE NUMBER

POTHOLE LOCATION

POTHOLE NO.	UTILITY	TOP DEPTH	TOP ELEVATION	STATION	OFFSET
1	TV	4.31	2900.32	501+71.78	67.08 RT
2	PWR	3.39	2901.24	501+72.05	67.55 RT
3	WTR	4.56	2899.03	502+25.77	54.11 RT
10091	WTR	4.66	2901.91	501+32.94	54.50 RT
10092	4" PE GAS	3.74	2903.16	501+31.39	45.76 RT
10093	4" PE GAS	3.72	2900.87	502+26.32	45.24 RT
10094	PWR	5.11	2899.97	502+12.13	64.51 RT
10095	PWR	4.59	2900.59	502+12.18	63.36 RT

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call 811 OR 1-800-227-2600

FAST Call before you UnderGround 1-702-432-5300 PREVENT AND INTERRUPT SYSTEMS OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

APPROVED FOR CONSTRUCTION:

Signature On File
LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER

PROJECT No. 116433 DATE 5/3/2011

APPROVAL OF THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR, OR AN APPROVAL OF, ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS.

ACCEPTED BY:

Signature On File 2/9/2011
CLARK COUNTY WATER RECLAMATION DISTRICT DATE

CCWRD PROJECT CONTROL NUMBER IS 6429.10

SIGNATURE ON THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR OR AN APPROVAL OF ANY VIOLATION OF CLARK COUNTY RECLAMATION DISTRICT RULES, REGULATIONS, OR DESIGN AND CONSTRUCTION STANDARDS. THE APPROVAL OF THESE DRAWINGS DOES NOT GUARANTEE CAPACITY IN THE DISTRICT'S COLLECTION OR TREATMENT SYSTEM.

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

UTILITY PLAN

"SA" 493+00 to "SA" 505+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: DM CHECKED BY: TC
APPROVED BY RJP

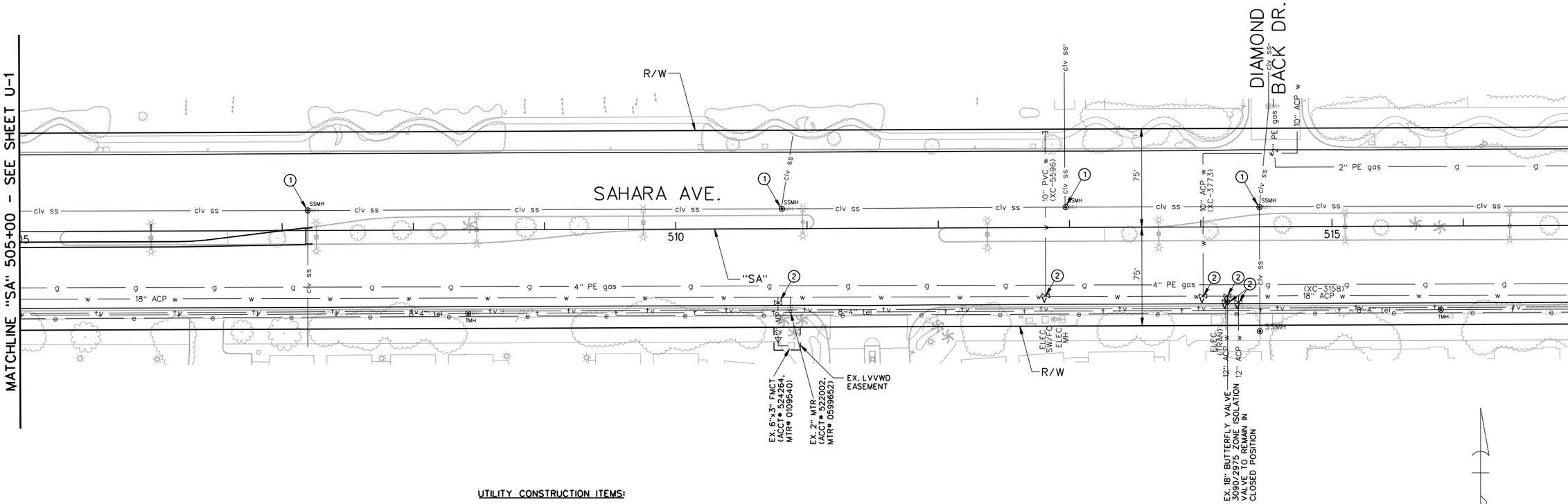
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. U-1

AS - BUILT - 05.31.2012

CAUTION:
HIGH PRESSURE GAS LINE.
CONTRACTOR TO CALL
SOUTHWEST GAS AT 365-2296
FOR STANDBY WHEN
EXCAVATING OVER OR NEAR
HIGH PRESSURE GAS LINES.



UTILITY CONSTRUCTION ITEMS:

① "SA" 507+20. 15' LT
"SA" 510+81. 15' LT
"SA" 512+97. 15' LT
"SA" 514+45. 15' LT
ADJUST MANHOLE COVER TO FINISH GRADE PER SECTION 630 OF THE SPECIAL PROVISIONS AND THE DESIGN AND CONSTRUCTION STANDARDS FOR WASTEWATER COLLECTION SYSTEMS DRAWING SD-5.

② "SA" 510+78. 56' RT
"SA" 512+81. 52' RT
"SA" 514+02. 53' RT
"SA" 514+19. 57' RT
"SA" 514+20. 53' RT
"SA" 514+28. 57' RT
ADJUST WATER VALVE BOX TO FINISH GRADE PER UDACS PLATE 39. VALVE SHALL BE ACCESSIBLE AT ALL TIMES.

AS-BUILT
Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY.
Call 811 or 1-800-227-2600
FAST
Call before you UnderGround
1-702-432-5300
PREVENT AND DETERMINE SYSTEM OF TRANSPORTATION
AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY.
CALL BEFORE YOU DO OVERHEAD
1-702-227-2929

APPROVED FOR CONSTRUCTION:

Signature On File
LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER

PROJECT No. 116433 DATE 5/3/2011

APPROVAL OF THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR, OR AN APPROVAL OF, ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS.

REV. NO.	DATE	DESCRIPTION	APPROVED
A	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

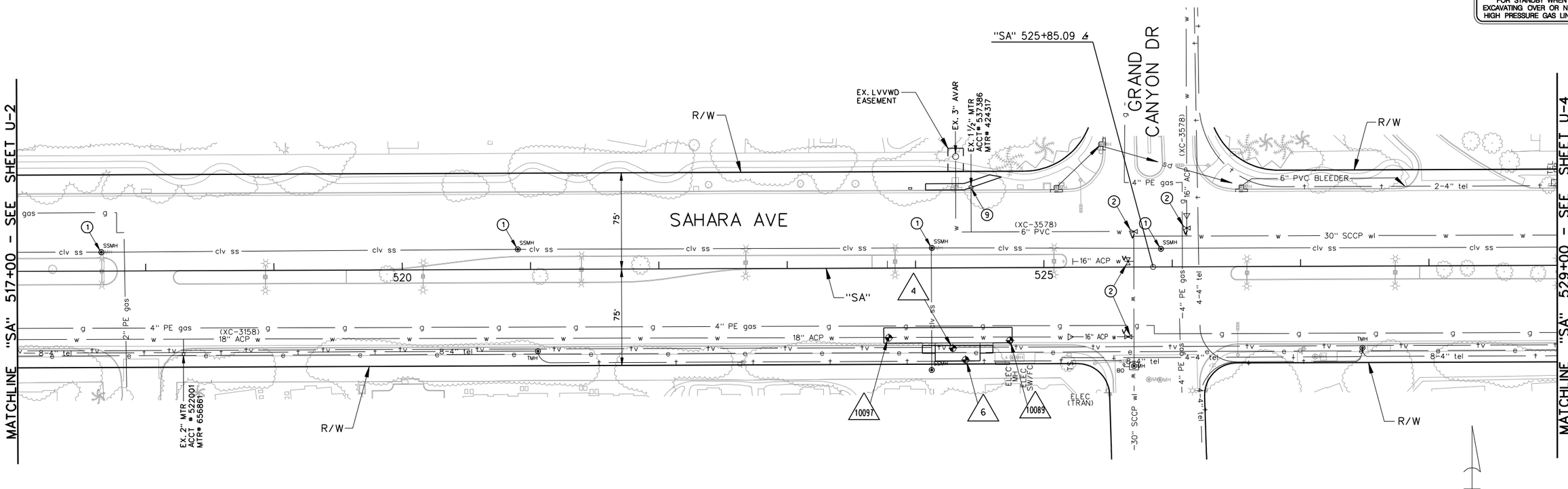
SAHARA AVENUE BUS RAPID TRANSIT PROJECT
UTILITY PLAN
"SA" 505+00 to "SA" 517+00
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: DM CHECKED BY: TC
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. U-2



CAUTION:
HIGH PRESSURE GAS LINE. CONTRACTOR TO CALL SOUTHWEST GAS AT 365-2296 FOR STANDBY WHEN EXCAVATING OVER OR NEAR HIGH PRESSURE GAS LINES.

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

UTILITY CONSTRUCTION ITEMS:

①	"SA" 517+66. 15' LT "SA" 520+90. 15' LT "SA" 524+13. 15' LT "SA" 525+91. 15' LT	ADJUST MANHOLE COVER TO FINISH GRADE PER SECTION 630 OF THE SPECIAL PROVISIONS AND THE DESIGN AND CONSTRUCTION STANDARDS FOR WASTEWATER COLLECTION SYSTEMS DRAWING SD-5.
②	"SA" 525+65. 54' RT "SA" 525+66. 5' LT "SA" 525+70. 28' LT "SA" 526+11. 30' LT	ADJUST WATER VALVE BOX TO FINISH GRADE PER UDACS PLATE 39. VALVE SHALL BE ACCESSIBLE AT ALL TIMES.
⑨	"SA" 524+42.0. 62.6' LT	ADJUST WATER METER TO FINISH GRADE PER UDACS PLATE #4 AND SECTION 2.18. PROTECT EXISTING BACKFLOW PREVENTER AND PAD IN PLACE AT EXISTING ELEVATION. SIDEWALK TO BE ADJUSTED TO MATCH PAD OR ROUTED AROUND BACKFLOW PREVENTER.

AS-BUILT
Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

POTHOLE LEGEND
XX POTHOLE NUMBER
POTHOLE LOCATION

POTHOLE NO.	UTILITY	TOP DEPTH	TOP ELEVATION	STATION	OFFSET
4	TV	3.31	2855.30	524+28.80	62.65 RT
6	TEL	1.75	2857.16	524+38.63	71.67 RT
10089	PWR	3.16	2855.33	524+73.31	56.77 RT
10097	WTR	5.56	2855.01	523+78.92	54.39 RT

Call 811 or 1-800-227-2600
FAST Call before you UnderGround 1-702-432-5300
CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

APPROVED FOR CONSTRUCTION:

Signature On File
LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER

PROJECT No. 116433 DATE 5/3/2011

APPROVAL OF THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR, OR AN APPROVAL OF, ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
UTILITY PLAN
"SA" 517+00 to "SA" 529+00
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

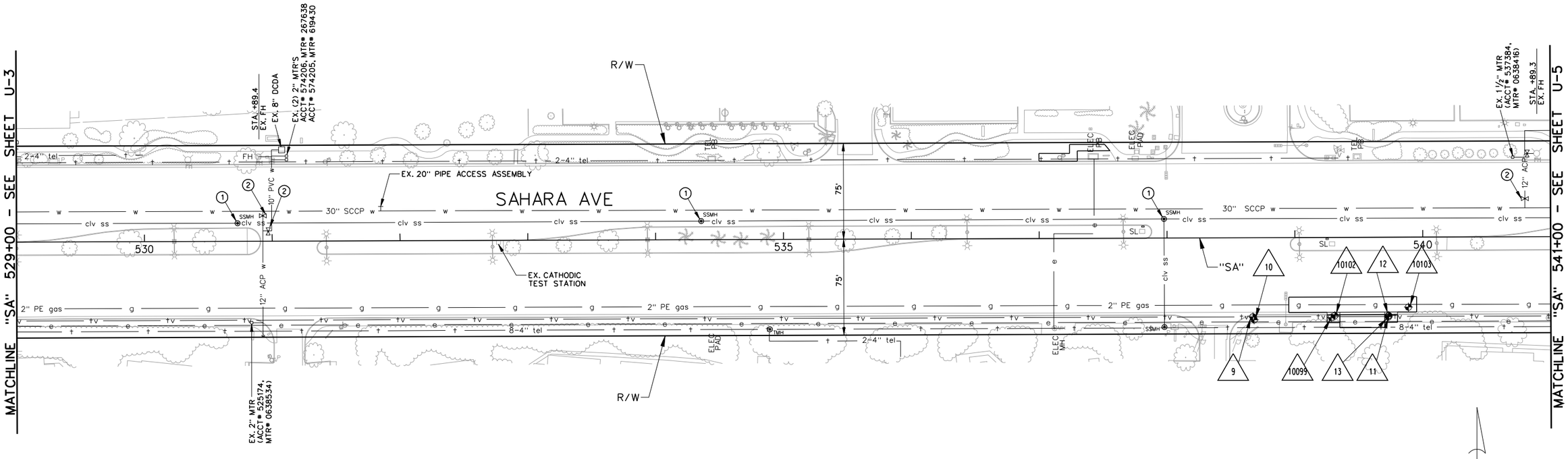
PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: DM CHECKED BY: TC
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. U-3

CAUTION:
HIGH PRESSURE GAS LINE.
CONTRACTOR TO CALL SOUTHWEST GAS AT 365-2296 FOR STANDBY WHEN EXCAVATING OVER OR NEAR HIGH PRESSURE GAS LINES.



GRAPHIC SCALE
40 20 0 40 80

UTILITY CONSTRUCTION ITEMS:

① "SA" 530+73, 14' LT
"SA" 534+35, 14' LT
"SA" 537+98, 15' LT
ADJUST MANHOLE COVER TO FINISH GRADE PER SECTION 630 OF THE SPECIAL PROVISIONS AND THE DESIGN AND CONSTRUCTION STANDARDS FOR WASTEWATER COLLECTION SYSTEMS DRAWING SD-5.

② "SA" 530+93, 20' LT
"SA" 530+97, 8' LT
"SA" 540+80, 30' LT
ADJUST WATER VALVE BOX TO FINISH GRADE PER UDACS PLATE 39. VALVE SHALL BE ACCESSIBLE AT ALL TIMES.

AS-BUILT
Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

POTHOLE LEGEND
XX POTHOLE NUMBER
POTHOLE LOCATION

POTHOLE NO.	UTILITY	TOP DEPTH	TOP ELEVATION	STATION	OFFSET
9	TS	2.97	2820.97	538+66.91	61.79 RT
10	PWR	3.16	2817.76	538+67.94	64.16 RT
11	TEL	2.45	2818.93	539+73.23	61.32 RT
12	TV	2.99	2818.54	539+73.19	61.39 RT
13	PWR	4.93	2816.53	539+73.01	62.25 RT
10099	PWR	4.56	2818.63	539+28.36	62.59 RT
10102	TEL	2.34	2820.95	539+31.00	61.17 RT
10103	2" PE GAS	4.35	2817.26	539+88.61	54.70 RT

Call 811 or 1-800-227-2600
FAST Call before you UnderGround 1-702-432-5300
CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

APPROVED FOR CONSTRUCTION:

Signature On File
LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER

PROJECT No. 116433 DATE 5/3/2011

APPROVAL OF THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR, OR AN APPROVAL OF, ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
UTILITY PLAN
"SA" 529+00 to "SA" 541+00
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: DM CHECKED BY: TC
APPROVED BY RJP

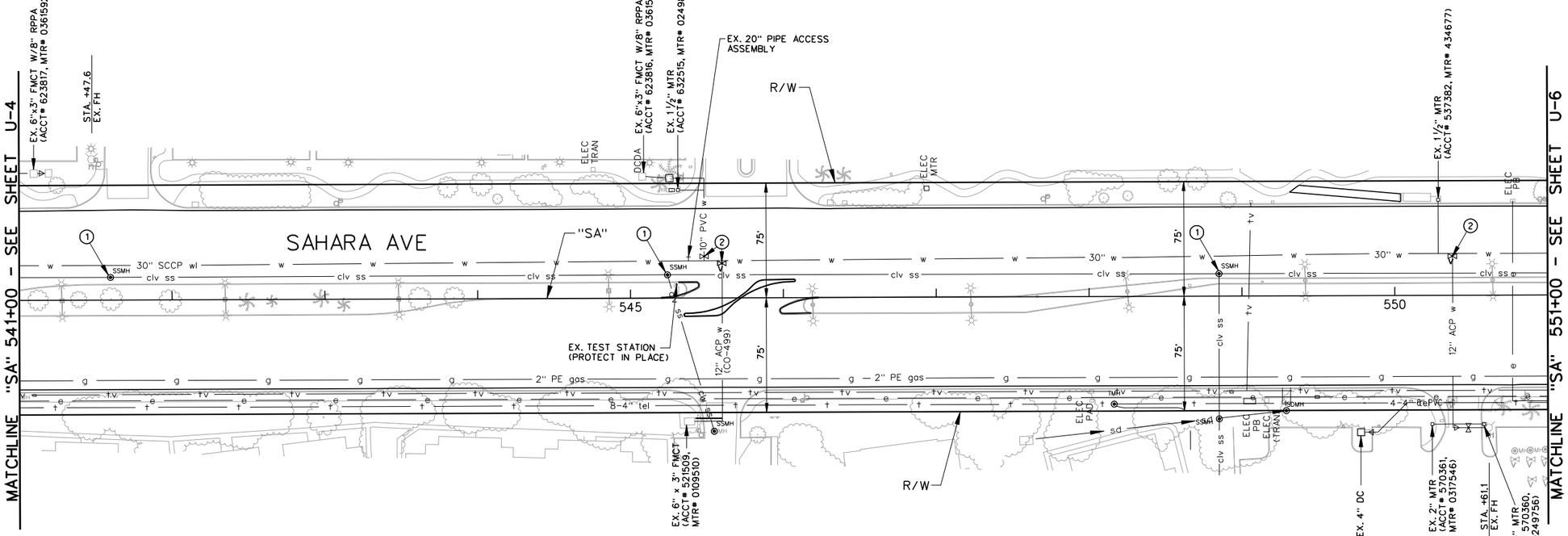
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. U-4

AS - BUILT - 05.31.2012

CAUTION:
HIGH PRESSURE GAS LINE.
CONTRACTOR TO CALL SOUTHWEST GAS AT 365-2296 FOR STANDBY WHEN EXCAVATING OVER OR NEAR HIGH PRESSURE GAS LINES.



UTILITY CONSTRUCTION ITEMS:

①	"SA" 541+60. 15' LT "SA" 545+24. 15' LT "SA" 548+85. 15' LT	ADJUST MANHOLE COVER TO FINISH GRADE PER SECTION 630 OF THE SPECIAL PROVISIONS AND THE DESIGN AND CONSTRUCTION STANDARDS FOR WASTEWATER COLLECTION SYSTEMS DRAWING SD-5.
②	"SA" 545+48. 27' LT "SA" 545+60. 22' LT "SA" 550+38. 26' LT	ADJUST WATER VALVE BOX TO FINISH GRADE PER UDACS PLATE 39. VALVE SHALL BE ACCESSIBLE AT ALL TIMES.

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY
Call 811 OR 1-800-227-2600

FAST
Call before you UnderGround
1-702-432-5300
FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY
CALL BEFORE YOU DO OVERHEAD
1-702-227-2929

APPROVED FOR CONSTRUCTION:

Signature On File
LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER

PROJECT No. 116433 DATE 5/3/2011

APPROVAL OF THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR, OR AN APPROVAL OF, ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS.

AS-BUILT
Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

40 20 0 40 80
GRAPHIC SCALE

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
UTILITY PLAN
"SA" 541+00 to "SA" 551+00
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: DM CHECKED BY: TC
APPROVED BY RJP

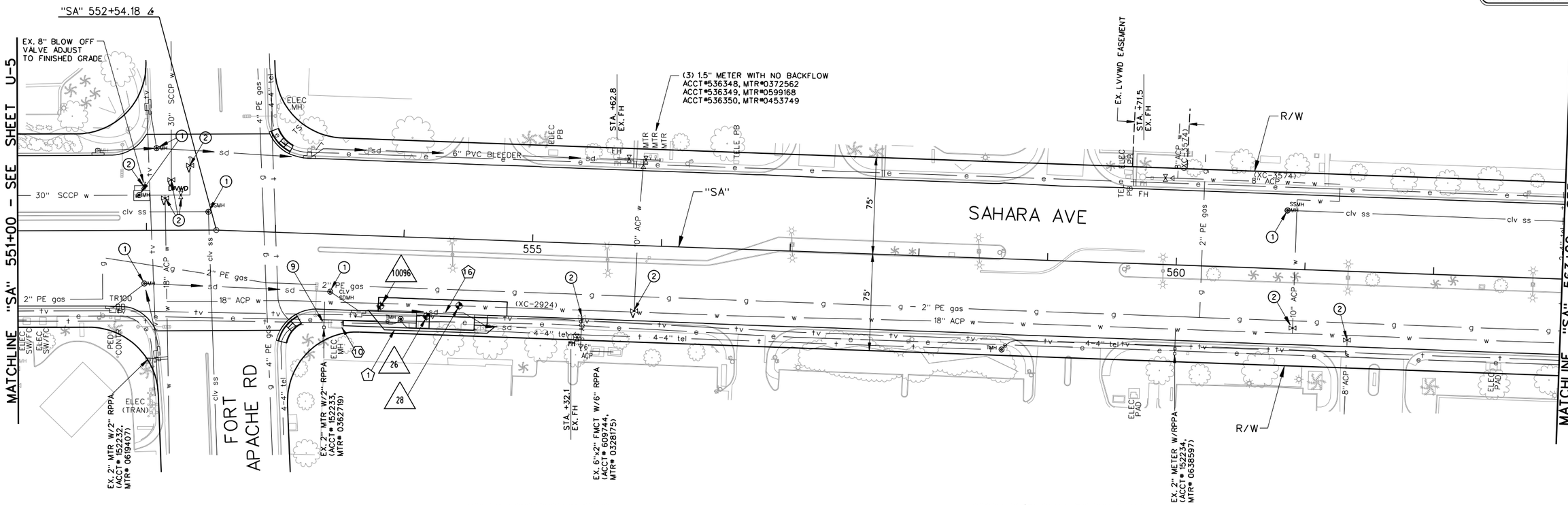
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. U-5

AS - BUILT - 05.31.2012

CAUTION:
HIGH PRESSURE GAS LINE.
CONTRACTOR TO CALL SOUTHWEST GAS AT 365-2298 FOR STANDBY WHEN EXCAVATING OVER OR NEAR HIGH PRESSURE GAS LINES.



DRY UTILITY ITEMS:

10	"SA" 553+50.2, 69.7' RT	EXISTING ELECTRIC FACILITIES TO BE PROTECTED IN PLACE.

UTILITY CONSTRUCTION ITEMS:

1	"SA" 552+48, 14' LT "SA" 560+85, 45' LT "SA" 551+96, 28 LT "SA" 551+98, 42' RT "SA" 552+08, 64' LT "SA" 553+44, 45' RT	ADJUST MANHOLE COVER TO FINISH GRADE PER SECTION 630 OF THE SPECIAL PROVISIONS AND THE DESIGN AND CONSTRUCTION STANDARDS FOR WASTEWATER COLLECTION SYSTEMS DRAWING SD-5. ADJUST WATER VAULT MANHOLE COVER TO FINISHED GRADE.
2	"SA" 552+15, 25' LT "SA" 552+19, 39' LT "SA" 552+27, 27' LT "SA" 552+34, 50' LT "SA" 555+40, 57' RT "SA" 555+81, 51' RT "SA" 560+92, 46' RT "SA" 561+35, 54' RT "SA" 551+99, 36' LT	ADJUST WATER VALVE BOX TO FINISH GRADE PER UDACS PLATE 39. VALVE SHALL BE ACCESSIBLE AT ALL TIMES. ADJUST BLOW OFF VAULT MANHOLE COVER TO FINISHED GRADE.
9	"SA" 553+39.7, 62.7' RT	ADJUST WATER METER TO FINISH GRADE PER UDACS SECTION 2.17.01 AND 2.18.04. PROTECT EXISTING BACKFLOW PREVENTER AND PAD IN PLACE AT EXISTING ELEVATION. SIDEWALK TO BE ADJUSTED TO MATCH PAD OR ROUTED AROUND BACKFLOW PREVENTER.

STORM DRAIN CONSTRUCTION ITEMS:

1	"SA" 553+74.3, 57.7' RT TO "SA" 554+72.9, 67.2' RT	CONSTRUCT 108 LF OF 8" PVC DRAIN PIPE (SDR 35). CONNECT TO EXISTING 8" PVC DRAIN (SEE SHEET H-1).
16	"SA" 553+74.3, 57.7' RT TO "SA" 554+72.9, 67.2' RT	REMOVE 102 LF OF EX. 8" PVC DRAIN PIPE.

40 20 0 40 80
GRAPHIC SCALE

AS-BUILT
Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

POTHOLE LEGEND

XX POTHOLE NUMBER
POTHOLE LOCATION

POTHOLE NO.	UTILITY	TOP DEPTH	TOP ELEVATION	STATION	OFFSET
26	TV	3.28	2781.82	554+19.84	60.95 RT
28	WTR	5.17	2778.99	554+44.69	51.77 RT
10096	WTR	4.99	2781.74	553+83.70	54.23 RT

Call 811 or 1-800-227-2600 — FAST Call before you UnderGround 1-702-432-5300 — CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

APPROVED FOR CONSTRUCTION:

Signature On File
LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER

PROJECT No. 116433 DATE 5/3/2011

APPROVAL OF THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR, OR AN APPROVAL OF, ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
UTILITY PLAN
"SA" 551+00 to "SA" 563+00
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: DM CHECKED BY: TC
APPROVED BY RJP

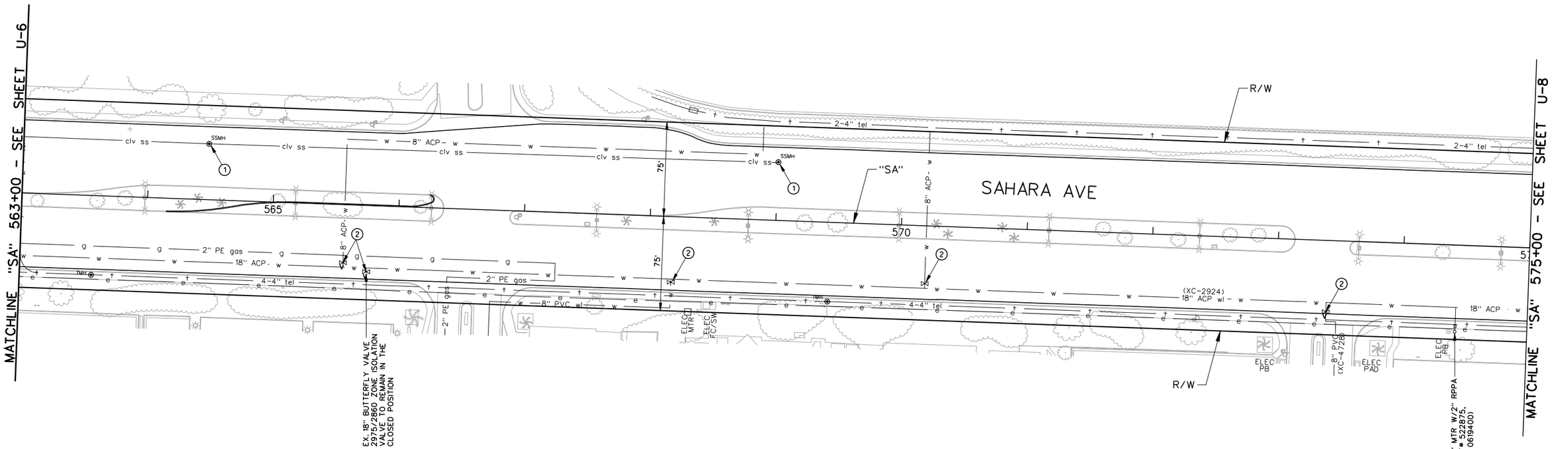
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. U-6

AS - BUILT - 05.31.2012

CAUTION:
HIGH PRESSURE GAS LINE.
CONTRACTOR TO CALL
SOUTHWEST GAS AT 365-2296
FOR STANDBY WHEN
EXCAVATING OVER OR NEAR
HIGH PRESSURE GAS LINES.



UTILITY CONSTRUCTION ITEMS:

① "SA" 564+48. 45' LT
"SA" 569+00. 45' LT
ADJUST MANHOLE COVER TO FINISH GRADE PER SECTION 630 OF THE SPECIAL PROVISIONS AND THE DESIGN AND CONSTRUCTION STANDARDS FOR WASTEWATER COLLECTION SYSTEMS DRAWING SD-5.

② "SA" 565+57. 46' RT
"SA" 565+76. 53' RT
"SA" 568+18. 52' RT
"SA" 570+20. 46' RT
"SA" 573+40. 57' RT
ADJUST WATER VALVE BOX TO FINISH GRADE PER UDACS PLATE 39. VALVE SHALL BE ACCESSIBLE AT ALL TIMES.

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY.
Call 811 or 1-800-227-2600

FAST
Call before you UnderGround
1-702-432-5300
FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY.
CALL BEFORE YOU DO OVERHEAD
1-702-227-2929

APPROVED FOR CONSTRUCTION:

Signature On File
LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER

PROJECT No. 116433 DATE 5/3/2011

APPROVAL OF THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR, OR AN APPROVAL OF, ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS.

AS-BUILT
Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

40 20 0 40 80
GRAPHIC SCALE

REV. NO.	DATE	DESCRIPTION	APPROVED
A	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
UTILITY PLAN
"SA" 563+00 to "SA" 575+00
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

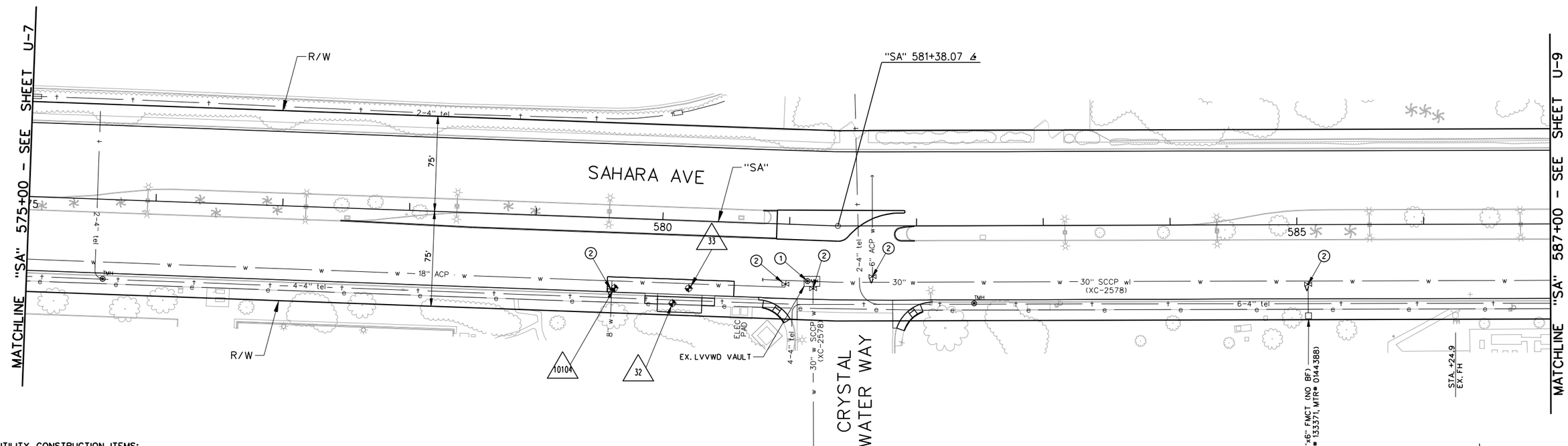
PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: DM CHECKED BY: TC
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ : AS SHOWN
VERT : NONE
FIELD BOOK : NONE

SHEET No. U-7

CAUTION:
HIGH PRESSURE GAS LINE.
CONTRACTOR TO CALL
SOUTHWEST GAS AT 365-2296
FOR STANDBY WHEN
EXCAVATING OVER OR NEAR
HIGH PRESSURE GAS LINES.



UTILITY CONSTRUCTION ITEMS:

① "SA" 581+18. 43' RT — ADJUST MANHOLE COVER TO FINISH GRADE PER SECTION 630 OF THE SPECIAL PROVISIONS AND THE DESIGN AND CONSTRUCTION STANDARDS FOR WASTEWATER COLLECTION SYSTEMS DRAWING SD-5.

② "SA" 579+61. 57' RT
"SA" 580+98. 47' RT
"SA" 581+20. 50' RT
"SA" 581+65. 40' RT
"SA" 585+09. 47' RT
— ADJUST WATER VALVE BOX TO FINISH GRADE PER UDACS PLATE 39. VALVE SHALL BE ACCESSIBLE AT ALL TIMES.

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

POTHOLE LEGEND

XX POTHOLE NUMBER

POTHOLE LOCATION

POTHOLE NO.	UTILITY	TOP DEPTH	TOP ELEVATION	STATION	OFFSET
32	TEL	2.70	2723.72	580+09.89	65.67 RT
33	UNKNOWN	3.44	2722.67	580+22.27	53.49 RT
10104	WTR	4.36	2723.64	579+63.77	55.30 RT

Call 811 or 1-800-227-2600 — FAST Call before you UnderGround 1-702-432-5300 — CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

APPROVED FOR CONSTRUCTION:

Signature On File
LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER

PROJECT No. 116433 DATE 5/3/2011

APPROVAL OF THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR, OR AN APPROVAL OF, ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS.

REV. NO.	DATE	DESCRIPTION	APPROVED
A	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
UTILITY PLAN
"SA" 575+00 to "SA" 587+00
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: DM CHECKED BY: TC
APPROVED BY RJP

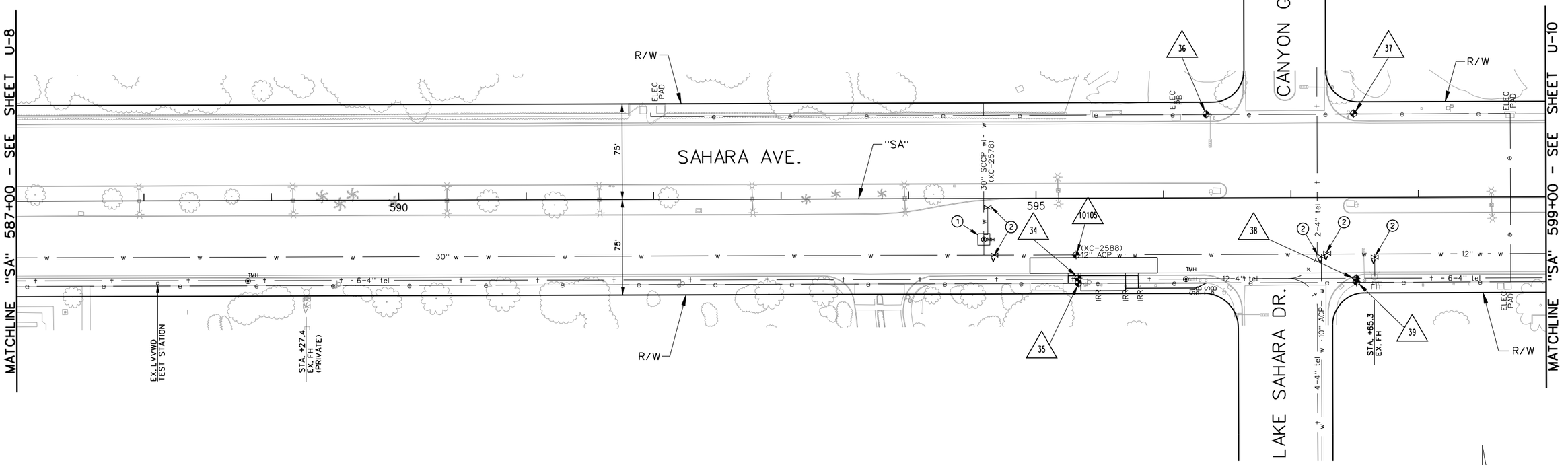
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

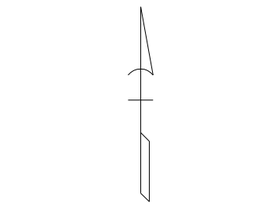
SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. U-8

AS - BUILT - 05.31.2012

CAUTION:
HIGH PRESSURE GAS LINE.
CONTRACTOR TO CALL SOUTHWEST GAS AT 365-2296 FOR STANDBY WHEN EXCAVATING OVER OR NEAR HIGH PRESSURE GAS LINES.





AS - BUILT - 05.31.2012

UTILITY CONSTRUCTION ITEMS:

①	"SA" 594+59. 32' RT	ADJUST MANHOLE COVER TO FINISH GRADE PER SECTION 630 OF THE SPECIAL PROVISIONS AND THE DESIGN AND CONSTRUCTION STANDARDS FOR WASTEWATER COLLECTION SYSTEMS DRAWING SD-5.
②	"SA" 594+62. 07' RT "SA" 594+67. 45' RT "SA" 597+24. 47' RT "SA" 597+28. 44' RT "SA" 597+65. 47' RT	ADJUST WATER VALVE BOX TO FINISH GRADE PER UDACS PLATE 39. VALVE SHALL BE ACCESSIBLE AT ALL TIMES. (ADJUST 8" BLOW OFF VALVE TO FINISHED GRADE PER UDACS PLATES 37 AND 39).

POTHOLE LEGEND

XX POTHOLE NUMBER

POTHOLE LOCATION

POTHOLE NO.	UTILITY	TOP DEPTH	TOP ELEVATION	STATION	OFFSET
34	TEL	2.34	2688.59	595+32.82	62.70 RT
35	PWR	3.78	2687.12	595+33.08	66.72 RT
36	EMPTY	0.00	NONE	596+33.50	65.40 LT
37	PWR	1.83	2684.16	597+49.32	65.75 LT
38	TEL	2.50	2683.33	597+51.04	63.68 RT
39	TEL	4.07	2681.65	597+51.31	66.39 RT
10105	WTR	4.00	2687.09	595+31.35	44.62 RT

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

APPROVED FOR CONSTRUCTION:

Signature On File
LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER

PROJECT No. 116433 DATE 5/3/2011

APPROVAL OF THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR, OR AN APPROVAL OF, ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS.

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call 811 OR 1-800-227-2600

FAST Call before you UnderGround 1-702-432-5300 PRIMARY AND ARTERIAL SYSTEMS OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

UTILITY PLAN

"SA" 587+00 to "SA" 599+00

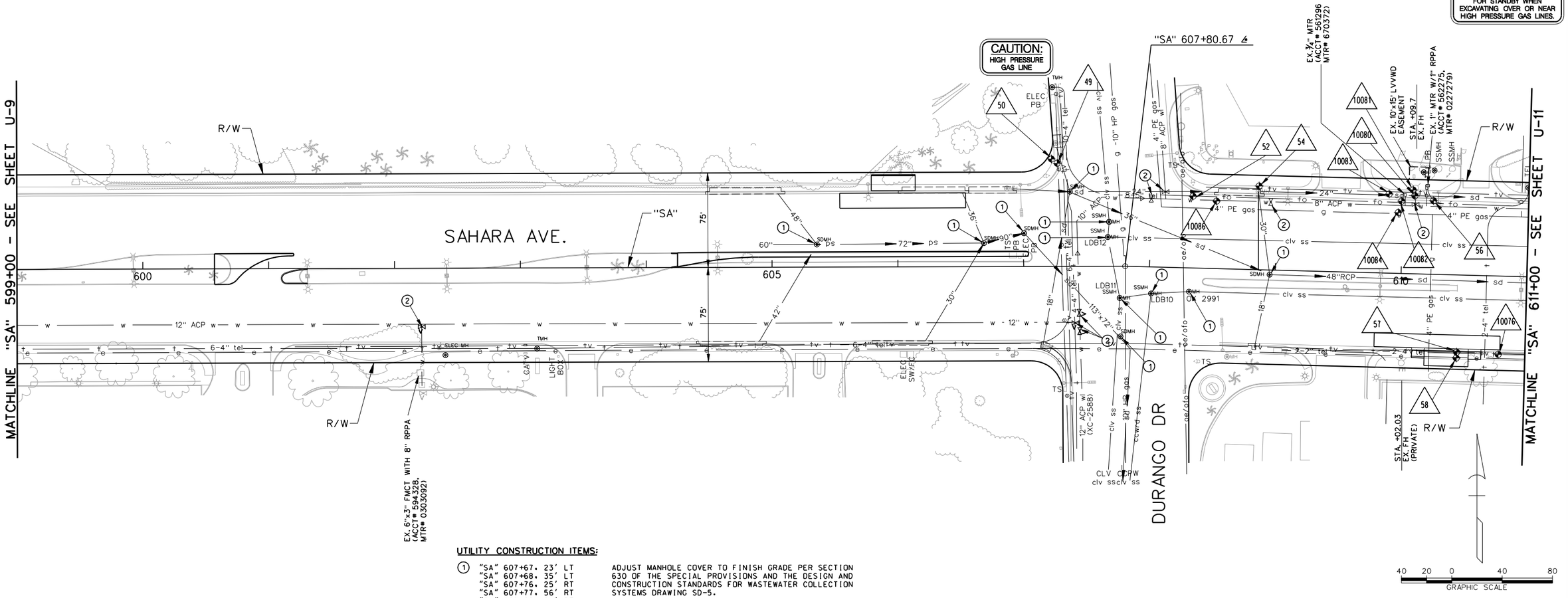
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: DM CHECKED BY: TC
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. U-9



SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

UTILITY CONSTRUCTION ITEMS:

① ADJUST MANHOLE COVER TO FINISH GRADE PER SECTION 630 OF THE SPECIAL PROVISIONS AND THE DESIGN AND CONSTRUCTION STANDARDS FOR WASTEWATER COLLECTION SYSTEMS DRAWING SD-5.

"SA" 607+67. 23' LT
"SA" 607+68. 35' LT
"SA" 607+76. 25' RT
"SA" 607+77. 56' RT
"SA" 608+02. 21' RT
"SA" 608+32. 19' RT
"SA" 605+36. 18' LT
"SA" 606+69. 19' LT
"SA" 607+00. 27' LT
"SA" 607+37. 59' LT
"SA" 607+77. 56' RT
"SA" 608+95. 4' RT

② ADJUST WATER VALVE BOX TO FINISH GRADE PER UDACS PLATE 39. VALVE SHALL BE ACCESSIBLE AT ALL TIMES.

"SA" 602+22. 47' RT
"SA" 607+41. 45' RT
"SA" 607+44. 37' RT
"SA" 607+44. 52' RT
"SA" 608+00. 54' LT
"SA" 608+11. 60' LT

"SA" 608+95. 54' LT
"SA" 610+10. 55' LT

POTHOLE LEGEND

XX POTHOLE NUMBER

POTHOLE LOCATION

POTHOLE NO.	UTILITY	TOP DEPTH	TOP ELEVATION	STATION	OFFSET
49	TV	1.19	2661.34	607+26.84	81.92 LT
50	PWR	3.07	2659.67	607+22.30	85.34 LT
52	FO	2.04	2657.90	608+33.13	57.01 LT
54	SL	0.62	2656.66	608+85.46	66.52 LT
56	4" GAS	3.67	2652.27	610+24.24	58.55 LT
57	TV	3.20	2652.94	610+45.77	61.34 RT
58	PWR	4.46	2651.72	610+45.64	66.00 RT
10076	PWR	2.30	2653.97	610+78.85	62.25 RT
10080	WTR	3.61	2653.89	610+09.37	62.05 LT
10081	WTR	1.06	2656.56	610+07.82	66.69 LT
10082	WTR	3.62	2653.47	609+98.95	57.47 LT
10083	TIME WARNER	1.48	2655.94	609+88.90	62.93 LT
10084	GAS	3.19	2654.51	609+96.47	48.39 LT
10086	WTR	5.00	2656.22	608+51.90	53.63 LT

ACAD CUTTING UNDERGROUND UTILITY LINES, IT'S COSTLY.
Call 811 OR 1-800-227-2600
FAST
Call before you UnderGround
1-702-432-5300
FEDERAL AND NATIONAL SYSTEM OF TRANSPORTATION
ACAD HITTING OVERHEAD POWER LINES, IT'S COSTLY.
CALL BEFORE YOU DO OVERHEAD
1-702-227-2929

APPROVED FOR CONSTRUCTION:

Signature On File
LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER

PROJECT No. 116433 DATE 5/3/2011

APPROVAL OF THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR, OR AN APPROVAL OF, ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS.

ACCEPTED BY:

Signature On File 2/9/2011
CLARK COUNTY WATER RECLAMATION DISTRICT DATE

CCWRD PROJECT CONTROL NUMBER IS 6429.10

SIGNATURE ON THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR OR AN APPROVAL OF ANY VIOLATION OF CLARK COUNTY RECLAMATION DISTRICT RULES, REGULATIONS, OR DESIGN AND CONSTRUCTION STANDARDS. THE APPROVAL OF THESE DRAWINGS DOES NOT GUARANTEE CAPACITY IN THE DISTRICT'S COLLECTION OR TREATMENT SYSTEM.

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
A	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

UTILITY PLAN

"SA" 599+00 to "SA" 611+00

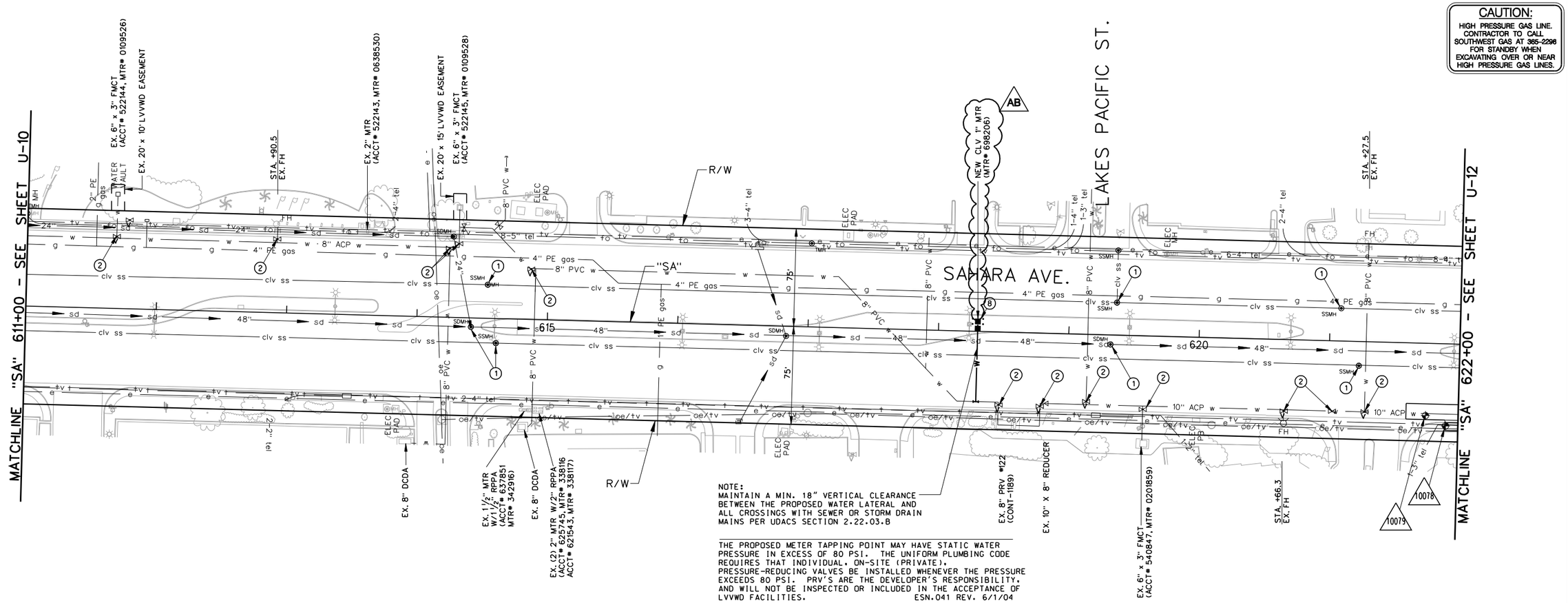
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: DM CHECKED BY: TC
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. U-10



NOTE:
MAINTAIN A MIN. 18" VERTICAL CLEARANCE BETWEEN THE PROPOSED WATER LATERAL AND ALL CROSSINGS WITH SEWER OR STORM DRAIN MAINS PER UDACS SECTION 2.22.03.B

THE PROPOSED METER TAPPING POINT MAY HAVE STATIC WATER PRESSURE IN EXCESS OF 80 PSI. THE UNIFORM PLUMBING CODE REQUIRES THAT INDIVIDUAL, ON-SITE (PRIVATE), PRESSURE-REDUCING VALVES BE INSTALLED WHENEVER THE PRESSURE EXCEEDS 80 PSI. PRV'S ARE THE DEVELOPER'S RESPONSIBILITY, AND WILL NOT BE INSPECTED OR INCLUDED IN THE ACCEPTANCE OF LVVWD FACILITIES. ESN.041 REV. 6/1/04

CAUTION:
HIGH PRESSURE GAS LINE.
CONTRACTOR TO CALL SOUTHWEST GAS AT 365-2296 FOR STANDBY WHEN EXCAVATING OVER OR NEAR HIGH PRESSURE GAS LINES.

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

UTILITY CONSTRUCTION ITEMS:

(1) "SA" 614+54. 26' LT
"SA" 614+61. 19' RT
"SA" 619+36. 25' LT
"SA" 621+09. 25' LT
"SA" 621+23. 19' RT
"SA" 614+41. 7' RT
"SA" 619+32. 7' RT
ADJUST MANHOLE COVER TO FINISH GRADE PER SECTION 630 OF THE SPECIAL PROVISIONS AND THE DESIGN AND CONSTRUCTION STANDARDS FOR WASTEWATER COLLECTION SYSTEMS DRAWING SD-5.

(2) "SA" 611+68. 55' LT
"SA" 612+91. 57' LT
"SA" 614+24. 53' LT
"SA" 614+31. 57' LT
"SA" 614+87. 39' LT
"SA" 618+48. 56' RT
"SA" 618+79. 56' RT
"SA" 619+15. 52' RT
"SA" 619+58. 56' RT
"SA" 620+66. 55' RT
"SA" 621+03. 54' RT
"SA" 621+28. 54' RT
ADJUST WATER VALVE BOX TO FINISH GRADE PER UDACS PLATE 39. VALVE SHALL BE ACCESSIBLE AT ALL TIMES.

(8) "SA" 618+30. 2' LT
INSTALL 1" WATER METER AND 1" RPPA FOR IRRIGATION WITH BOLLARDS PER UDACS PLATES 4, 8 AND 75 (SEE LANDSCAPE PLANS AND LVVWD NOTES ON UN-1).

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY.
Call 811
1-800-227-2600
FAST
Call before you UnderGround
1-702-432-5300
FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION
AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY.
CALL BEFORE YOU DO OVERHEAD
1-702-227-2929

APPROVED FOR CONSTRUCTION:

Signature On File
LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER

PROJECT No. 116433 DATE 7/14/2011

APPROVAL OF THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR, OR AN APPROVAL OF, ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS.

AS-BUILT
Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

POTHOLE LEGEND
XX POTHOLE NUMBER
POTHOLE LOCATION

POTHOLE NO.	UTILITY	TOP DEPTH	TOP ELEVATION	STATION	OFFSET
10078	TV	3.91	2625.01	621+90.53	62.94 RT
10079	WTR	3.58	2625.62	621+75.00	55.42 RT

40 20 0 40 80
GRAPHIC SCALE

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
UTILITY PLAN
"SA" 611+00 to "SA" 622+00
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

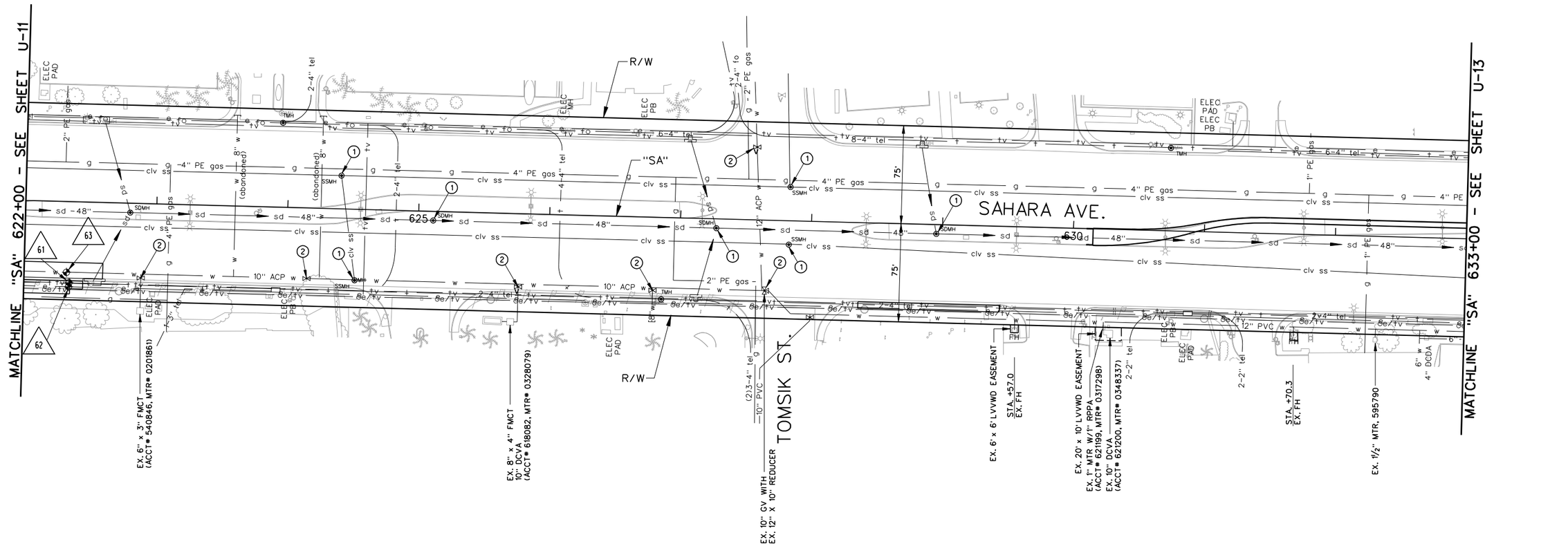
PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: DM CHECKED BY: TC
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. U-11

CAUTION:
HIGH PRESSURE GAS LINE.
CONTRACTOR TO CALL SOUTHWEST GAS AT 365-2296 FOR STANDBY WHEN EXCAVATING OVER OR NEAR HIGH PRESSURE GAS LINES.



UTILITY CONSTRUCTION ITEMS:

① "SA" 624+40. 26' LT — ADJUST MANHOLE COVER TO FINISH GRADE PER SECTION 630 OF THE SPECIAL PROVISIONS AND THE DESIGN AND CONSTRUCTION STANDARDS FOR WASTEWATER COLLECTION SYSTEMS DRAWING SD-5.
"SA" 624+52. 55' RT
"SA" 627+83. 26' LT
"SA" 627+83. 18' RT
"SA" 625+11. 7' RT
"SA" 627+27. 7' RT

② "SA" 622+89. 57' RT — ADJUST WATER VALVE BOX TO FINISH GRADE PER UDACS PLATE 39. VALVE SHALL BE ACCESSIBLE AT ALL TIMES.
"SA" 624+16. 54' RT
"SA" 625+77. 56' RT
"SA" 626+80. 56' RT
"SA" 627+57. 56' LT
"SA" 627+63. 55' RT

Call 811 OR 1-800-227-2600
FAST Call before you UnderGround 1-702-432-5300
Call BEFORE YOU DO OVERHEAD 1-702-227-2929

APPROVED FOR CONSTRUCTION:

Signature On File
LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER

PROJECT No. 116433 DATE 5/3/2011

APPROVAL OF THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR, OR AN APPROVAL OF, ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS.

AS-BUILT
Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

POTHOLE LEGEND

XX POTHOLE NUMBER
POTHOLE LOCATION

POTHOLE NO.	UTILITY	TOP DEPTH	TOP ELEVATION	STATION	OFFSET
61	TV	3.71	2623.57	622+34.43	61.86 RT
62	PWR	3.33	2623.95	622+34.25	64.99 RT
63	WTR	3.16	2623.75	622+32.34	54.05 RT

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
UTILITY PLAN
"SA" 622+00 to "SA" 633+00
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: DM CHECKED BY: TC
APPROVED BY RJP

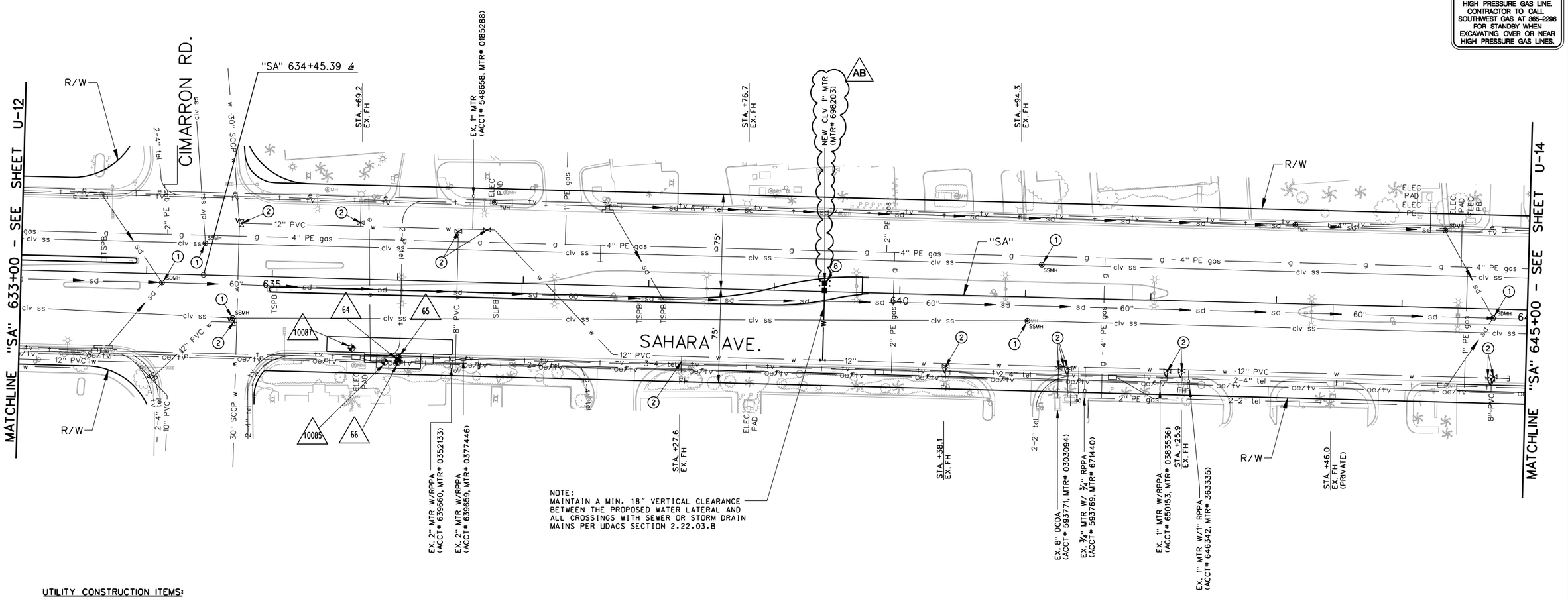
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. U-12

AS - BUILT - 05.31.2012

CAUTION:
HIGH PRESSURE GAS LINE. CONTRACTOR TO CALL SOUTHWEST GAS AT 385-2296 FOR STANDBY WHEN EXCAVATING OVER OR NEAR HIGH PRESSURE GAS LINES.



UTILITY CONSTRUCTION ITEMS:

① "SA" 634+46. 25' LT, "SA" 634+69. 34' RT, "SA" 641+02. 19' RT, "SA" 641+13. 26' LT, "SA" 634+13. 7' RT, "SA" 644+73. 7' RT — ADJUST MANHOLE COVER TO FINISH GRADE PER SECTION 630 OF THE SPECIAL PROVISIONS AND THE DESIGN AND CONSTRUCTION STANDARDS FOR WASTEWATER COLLECTION SYSTEMS DRAWING SD-5.

② "SA" 634+70. 37' RT, "SA" 634+75. 42' LT, "SA" 635+69. 45' LT, "SA" 636+47. 40' LT, "SA" 636+70. 42' LT, "SA" 638+28. 59' RT, "SA" 640+38. 57' RT, "SA" 641+28. 57' RT, "SA" 641+36. 56' RT, "SA" 642+15. 56' RT, "SA" 642+26. 56' RT, "SA" 644+73. 56' RT, "SA" 644+74. 54' RT — ADJUST WATER VALVE BOX TO FINISH GRADE PER UDACS PLATE 39. VALVE SHALL BE ACCESSIBLE AT ALL TIMES.

⑧ "SA" 639+40. 1' LT — INSTALL 1" WATER METER AND 1" RPPA FOR IRRIGATION WITH BOLLARDS PER UDACS PLATES 4. 8 AND 75 (SEE LANDSCAPE PLANS AND LVVWD NOTES ON UN-1).

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call 811 or 1-800-227-2600

FAST Call before you UnderGround 1-702-432-5300 FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

APPROVED FOR CONSTRUCTION:

Signature On File
LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER

PROJECT No. 116433 DATE 7/14/2011

APPROVAL OF THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR, OR AN APPROVAL OF, ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS.

AS-BUILT
Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

POTHOLE LEGEND
XX POTHOLE NUMBER
POTHOLE LOCATION

40 20 0 40 80
GRAPHIC SCALE

POTHOLE NO.	UTILITY	TOP DEPTH	TOP ELEVATION	STATION	OFFSET
64	TV	2.92	2586.41	636+01.98	64.42 RT
65	PWR	5.09	2584.15	636+02.06	61.74 RT
66	TEL	3.01	2586.15	636+02.00	65.57 RT
10085	PWR	2.45	2587.66	635+91.37	65.65 RT
10087	TEL	4.20	2586.59	635+64.83	55.04 RT

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
UTILITY PLAN
"SA" 633+00 to "SA" 645+00
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: DM CHECKED BY: TC
APPROVED BY RJP

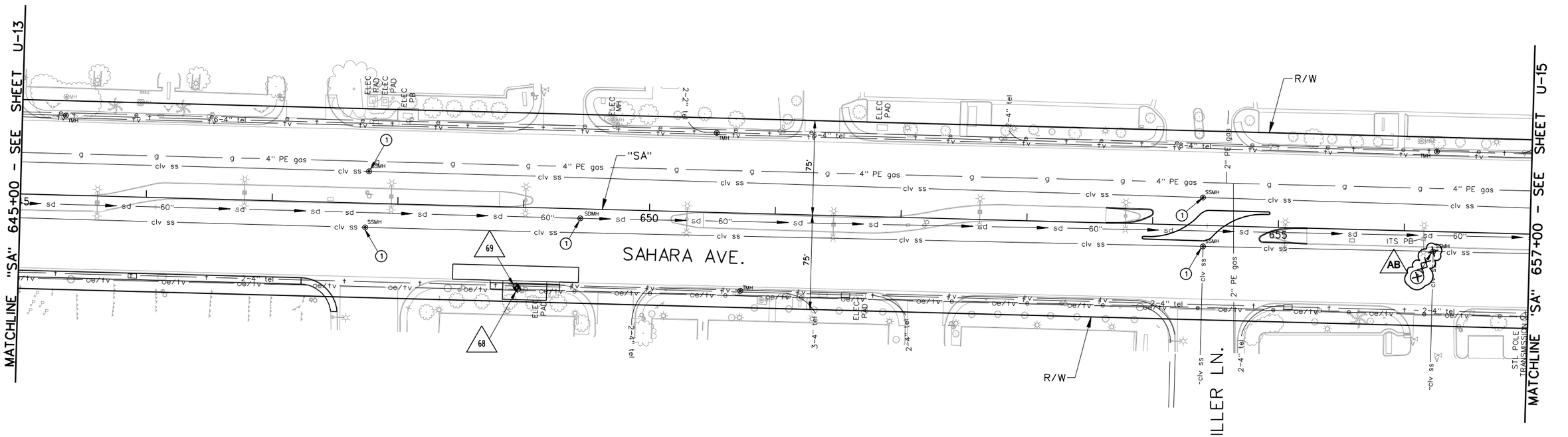
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. U-13

AS - BUILT - 05.31.2012

CAUTION:
HIGH PRESSURE GAS LINE.
CONTRACTOR TO CALL
SOUTHWEST GAS AT 365-2296
FOR STANDBY WHEN
EXCAVATING OVER OR NEAR
HIGH PRESSURE GAS LINES.



SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

UTILITY CONSTRUCTION ITEMS:

① "SA" 647+75. 19' RT
"SA" 647+76. 25' LT
"SA" 654+40. 17' RT
"SA" 654+40. 22' LT
"SA" 649+45. 7' RT
AB

ADJUST MANHOLE COVER TO FINISH GRADE PER SECTION 630 OF THE SPECIAL PROVISIONS AND THE DESIGN AND CONSTRUCTION STANDARDS FOR WASTEWATER COLLECTION SYSTEMS DRAWING SD-5.

40 20 0 40 80
GRAPHIC SCALE

Call 811 or 1-800-227-2600
FAST Call before you UnderGround 1-702-432-5300
CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

APPROVED FOR CONSTRUCTION:

Signature On File
LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER

PROJECT No. 116433 DATE 5/3/2011

APPROVAL OF THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR, OR AN APPROVAL OF, ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS.

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

POTHOLE LEGEND

XX POTHOLE NUMBER

POTHOLE LOCATION

POTHOLE NO.	UTILITY	TOP DEPTH	TOP ELEVATION	STATION	OFFSET
68	TEL	4.75	2548.46	648+96.82	64.85 RT
69	TEL	1.49	2551.63	648+95.79	63.12 RT

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

UTILITY PLAN

"SA" 645+00 to "SA" 657+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

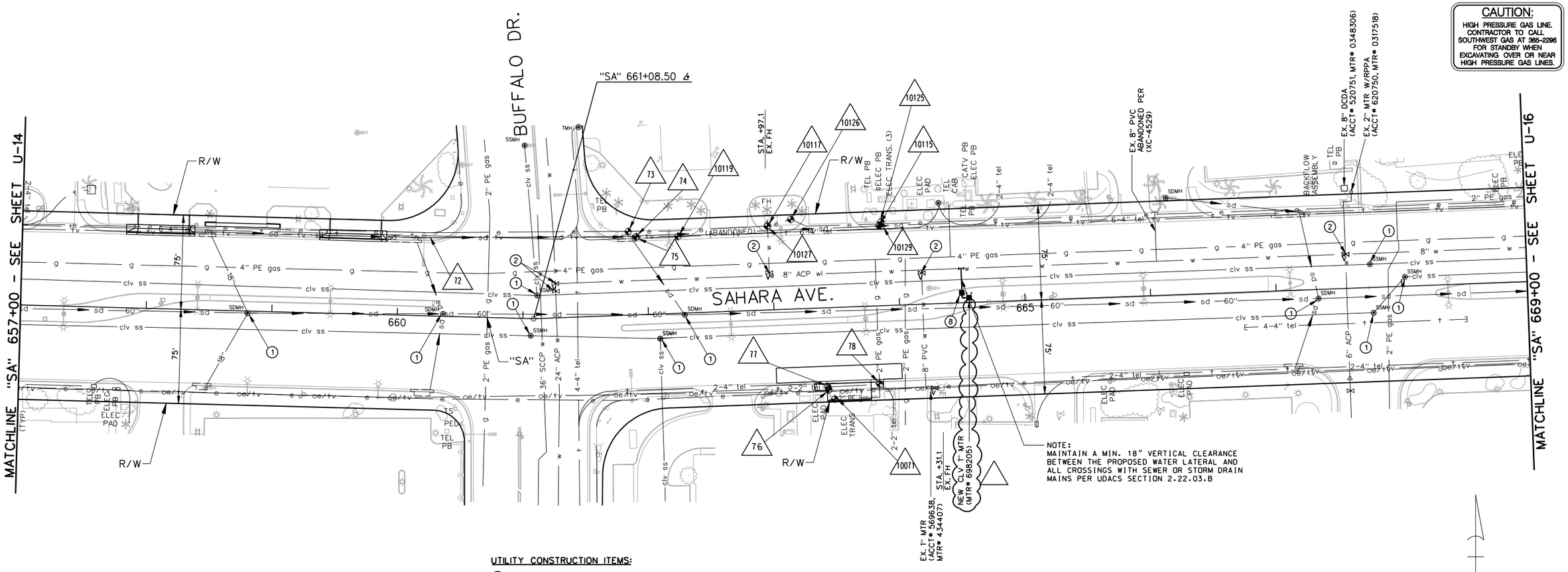
PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: DM CHECKED BY: TC
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-8632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. U-14

CB1083_SaharaBRT-Align001.dgn - CB1083_SaharaBRT-Plan001.dgn - CB1083_SaharaBRT-ExSig001.dgn - CB1083_SaharaBRT-MapO01.dgn -
CB1083_SaharaBRT-Utility Accepted Lt Rt.dgn - CB1083_SaharaBRT-Call Dig.dgn - CB1083_SaharaBRT-ExDrain001.dgn - CB1083_SaharaBRT-ExUtil001.dgn
P:\RTCSNV\CB1083 Sahara Ave BRT Project\As-Built Plans\sheets\CB1083_SaharaBRT-U014.dgn - 9/24/2012 - 14:37:40 ELC



CAUTION:
HIGH PRESSURE GAS LINE. CONTRACTOR TO CALL SOUTHWEST GAS AT 365-2296 FOR STANDBY WHEN EXCAVATING OVER OR NEAR HIGH PRESSURE GAS LINES.

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

UTILITY CONSTRUCTION ITEMS:

①	"SA" 661+06. 13' RT "SA" 661+12. 19' LT "SA" 662+09. 19' RT "SA" 667+75. 18' LT "SA" 667+77. 21' RT "SA" 668+03. 8' LT "SA" 658+81. 2' RT "SA" 660+36. 2' LT "SA" 662+29. 2' RT "SA" 667+34. 7' RT	ADJUST MANHOLE COVER TO FINISH GRADE PER SECTION 630 OF THE SPECIAL PROVISIONS AND THE DESIGN AND CONSTRUCTION STANDARDS FOR WASTEWATER COLLECTION SYSTEMS DRAWING SD-5.
②	"SA" 661+27. 23' LT "SA" 661+27. 28' LT "SA" 662+97. 30' LT "SA" 664+18. 25' LT "SA" 667+56. 27' LT	ADJUST WATER VALVE BOX TO FINISH GRADE PER UDACS PLATE 39. VALVE SHALL BE ACCESSIBLE AT ALL TIMES.
⑧	"SA" 664+50. 6' LT	INSTALL 1" WATER METER AND 1" RPPA FOR IRRIGATION WITH BOLLARDS PER UDACS PLATES 4, 8 AND 75 (SEE LANDSCAPE PLANS AND LVVWD NOTES ON UN-1).

POTHOLE LEGEND

△ XX POTHOLE NUMBER

POTHOLE LOCATION

POTHOLE NO.	UTILITY	TOP DEPTH	TOP ELEVATION	STATION	OFFSET
72	PWR	2.55	2521.67	660+24.06	64.85 LT
73	PWR	4.16	2515.66	661+86.26	66.59 LT
74	TEL	2.88	2516.91	661+92.48	61.93 LT
75	TV	1.71	2517.94	661+92.52	61.90 LT
76	PWR	2.52	2513.20	663+41.26	65.45 RT
77	TEL	2.79	2513.22	663+40.74	63.18 RT
78	2" PE GAS	2.88	2512.36	663+81.69	61.92 RT
10071	1" PE GAS	3.09	2513.72	663+45.72	72.77 RT
10115	SL	2.08	2510.37	663+85.93	63.83 LT
10117	WTR	4.49	2511.96	662+97.04	66.69 LT
10119	SD	1.87	2516.04	662+25.76	61.07 LT
10125	TEL	5.00	2509.49	663+87.58	66.66 LT
10126	PWR	4.14	2512.60	663+15.98	71.33 LT
10127	PWR	3.89	2512.58	662+97.16	66.67 LT
10129	SD	2.17	2512.42	663+87.80	63.43 LT

AS-BUILT
Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

APPROVED FOR CONSTRUCTION:

Signature On File
LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER

PROJECT No. 116433 DATE 7/14/2011

APPROVAL OF THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR, OR AN APPROVAL OF, ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS.

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S CONTROL. Call 811 OR 1-800-227-2600
FAST Call before you UnderGround 1-702-432-5300 FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION
AVOID HITTING OVERHEAD POWER LINES. IT'S CONTROL. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
UTILITY PLAN
"SA" 657+00 to "SA" 669+00
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: DM CHECKED BY: TC
APPROVED BY RJP

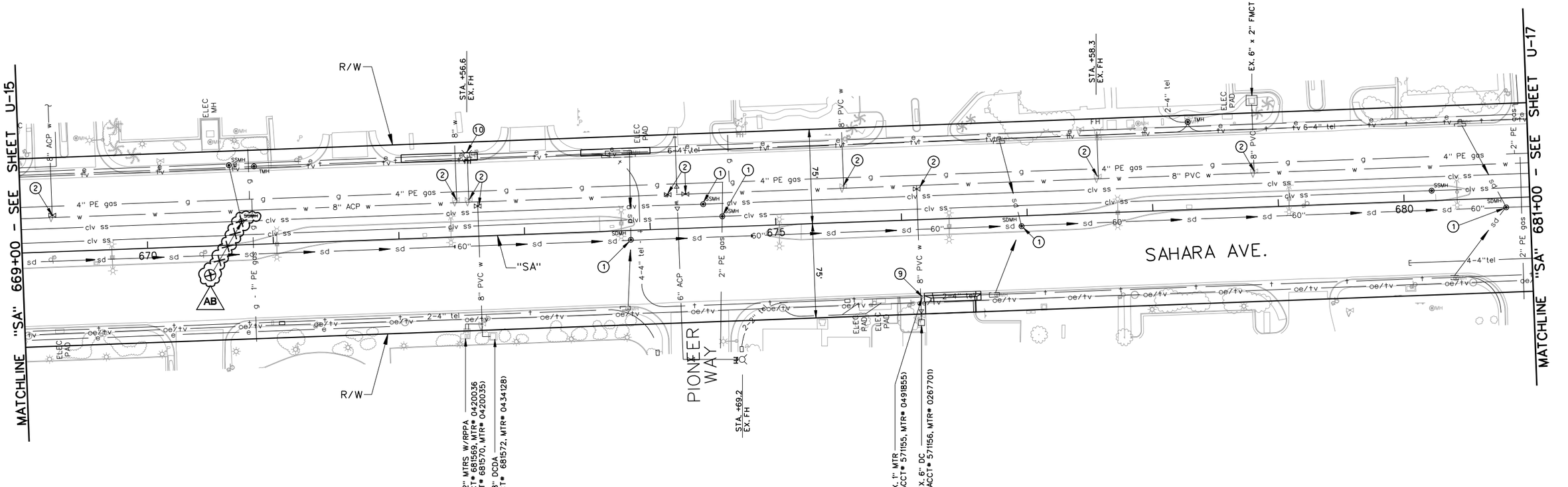
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-8632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. U-15

AS - BUILT - 05.31.2012

CAUTION:
HIGH PRESSURE GAS LINE.
CONTRACTOR TO CALL
SOUTHWEST GAS AT 365-2296
FOR STANDBY WHEN
EXCAVATING OVER OR NEAR
HIGH PRESSURE GAS LINES.



UTILITY CONSTRUCTION ITEMS:

① (AB)
"SA" 670+75. 13' LT
"SA" 674+43. 19' LT
"SA" 674+58. 9' LT
"SA" 673+84. 8' RT
"SA" 676+95. 8' RT
"SA" 680+80. 8' RT
ADJUST MANHOLE COVER TO FINISH GRADE PER SECTION 630 OF THE SPECIAL PROVISIONS AND THE DESIGN AND CONSTRUCTION STANDARDS FOR WASTEWATER COLLECTION SYSTEMS DRAWING SD-5.

② "SA" 669+25. 29' LT
"SA" 672+47. 30' LT
"SA" 672+57. 30' LT
"SA" 672+63. 23' LT
"SA" 674+15. 27' LT
"SA" 674+30. 28' LT
"SA" 675+55. 29' LT
"SA" 676+11. 25' LT
"SA" 677+57. 30' LT
"SA" 678+82. 29' LT
ADJUST WATER VALVE BOX TO FINISH GRADE PER UDACS PLATE 39. VALVE SHALL BE ACCESSIBLE AT ALL TIMES.

⑨ "SA" 676+15. 62' RT
ADJUST WATER METER TO FINISH GRADE PER UDACS PLATE #4 AND SECTION 2.18. PROTECT EXISTING BACKFLOW PREVENTER AND PAD IN PLACE AT EXISTING ELEVATION. SIDEWALK TO BE ADJUSTED TO MATCH PAD OR ROUTED AROUND BACKFLOW PREVENTER.

⑩ "SA" 672+56.6, 64.5' LT
ADJUST EXISTING FIRE HYDRANT TO FINISH GRADE PER UDACS PLATE #40. 41 AND UDACS SECTION 2.21.06.

Call 811 OR 1-800-227-2600 — AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY.
FAST — Call before you UnderGround 1-702-432-5300 — FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION
CALL BEFORE YOU DIG OVERHEAD 1-702-227-2929 — AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY.

APPROVED FOR CONSTRUCTION:

Signature On File
LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER

PROJECT No. 116433 DATE 5/3/2011

APPROVAL OF THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR, OR AN APPROVAL OF, ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS.

AS-BUILT
Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

40 20 0 40 80
GRAPHIC SCALE

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

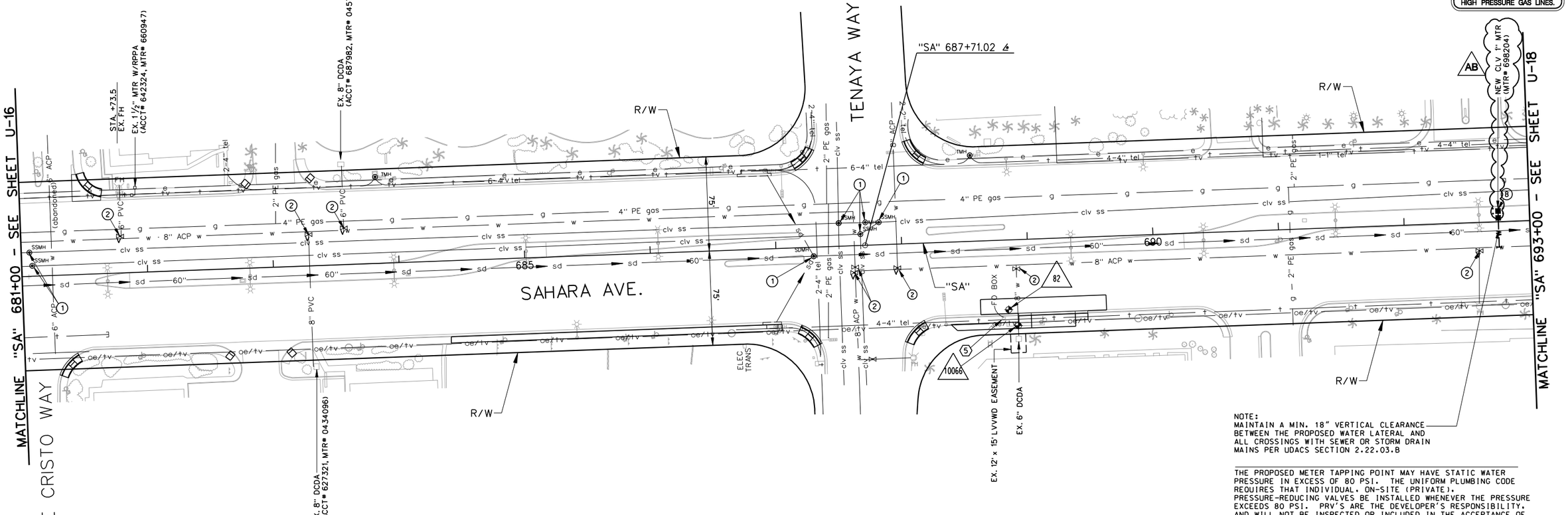
SAHARA AVENUE BUS RAPID TRANSIT PROJECT
UTILITY PLAN
"SA" 669+00 to "SA" 681+00
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: DM CHECKED BY: TC
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. U-16



CAUTION:
HIGH PRESSURE GAS LINE. CONTRACTOR TO CALL SOUTHWEST GAS AT 365-2296 FOR STANDBY WHEN EXCAVATING OVER OR NEAR HIGH PRESSURE GAS LINES.

NOTE:
MAINTAIN A MIN. 18" VERTICAL CLEARANCE BETWEEN THE PROPOSED WATER LATERAL AND ALL CROSSINGS WITH SEWER OR STORM DRAIN MAINS PER UDACS SECTION 2.22.03.B

THE PROPOSED METER TAPPING POINT MAY HAVE STATIC WATER PRESSURE IN EXCESS OF 80 PSI. THE UNIFORM PLUMBING CODE REQUIRES THAT INDIVIDUAL, ON-SITE (PRIVATE), PRESSURE-REDUCING VALVES BE INSTALLED WHENEVER THE PRESSURE EXCEEDS 80 PSI. PRV'S ARE THE DEVELOPER'S RESPONSIBILITY, AND WILL NOT BE INSPECTED OR INCLUDED IN THE ACCEPTANCE OF LVVWD FACILITIES. ESN.041 REV. 6/1/04

DRY UTILITY ITEMS:

⑤	"SA" 688+79.2, 62.2' RT	EXISTING TELEPHONE FACILITIES TO BE ADJUSTED BY CENTURYLINK.

UTILITY CONSTRUCTION ITEMS:

①	"SA" 681+06, 19' LT "SA" 681+09, 8' LT "SA" 687+51, 18' LT "SA" 687+68, 9' LT "SA" 687+72, 18' LT "SA" 687+83, 18' LT "SA" 687+30, 7' RT	ADJUST MANHOLE COVER TO FINISH GRADE PER SECTION 630 OF THE SPECIAL PROVISIONS AND THE DESIGN AND CONSTRUCTION STANDARDS FOR WASTEWATER COLLECTION SYSTEMS DRAWING SD-5.
②	"SA" 681+79, 29' LT "SA" 683+29, 25' LT "SA" 683+57, 29' LT "SA" 687+62, 21' RT "SA" 687+62, 17' RT "SA" 687+96, 19' RT "SA" 688+90, 23' RT "SA" 692+59, 23' RT	ADJUST WATER VALVE BOX TO FINISH GRADE PER UDACS PLATE 39. VALVE SHALL BE ACCESSIBLE AT ALL TIMES.
⑧	"SA" 692+75, 3' LT	INSTALL 1" WATER METER AND 1" RPPA FOR IRRIGATION WITH BOLLARDS PER UDACS PLATES 4, 8 AND 75 (SEE LANDSCAPE PLANS AND LVVWD NOTES ON UN-1).

AS-BUILT
Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

40 20 0 40 80
GRAPHIC SCALE

POTHOLE LEGEND
XX POTHOLE NUMBER
POTHOLE LOCATION

POTHOLE NO.	UTILITY	TOP DEPTH	TOP ELEVATION	STATION	OFFSET
82	WTR	3.83	2446.14	688+83.28	55.47 RT
10066	WTR	4.18	2446.50	688+90.43	68.41 RT

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S CONTROL
Call 811 or 1-800-227-2600
FAST Call before you UnderGround 1-702-432-5300 FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION
AVOID HITTING OVERHEAD POWER LINES. IT'S CONTROL
CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

APPROVED FOR CONSTRUCTION:

Signature On File
LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER

PROJECT No. 116433 DATE 7/14/2011

APPROVAL OF THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR, OR AN APPROVAL OF, ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
UTILITY PLAN
"SA" 681+00 to "SA" 693+00
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: DM CHECKED BY: TC
APPROVED BY RJP

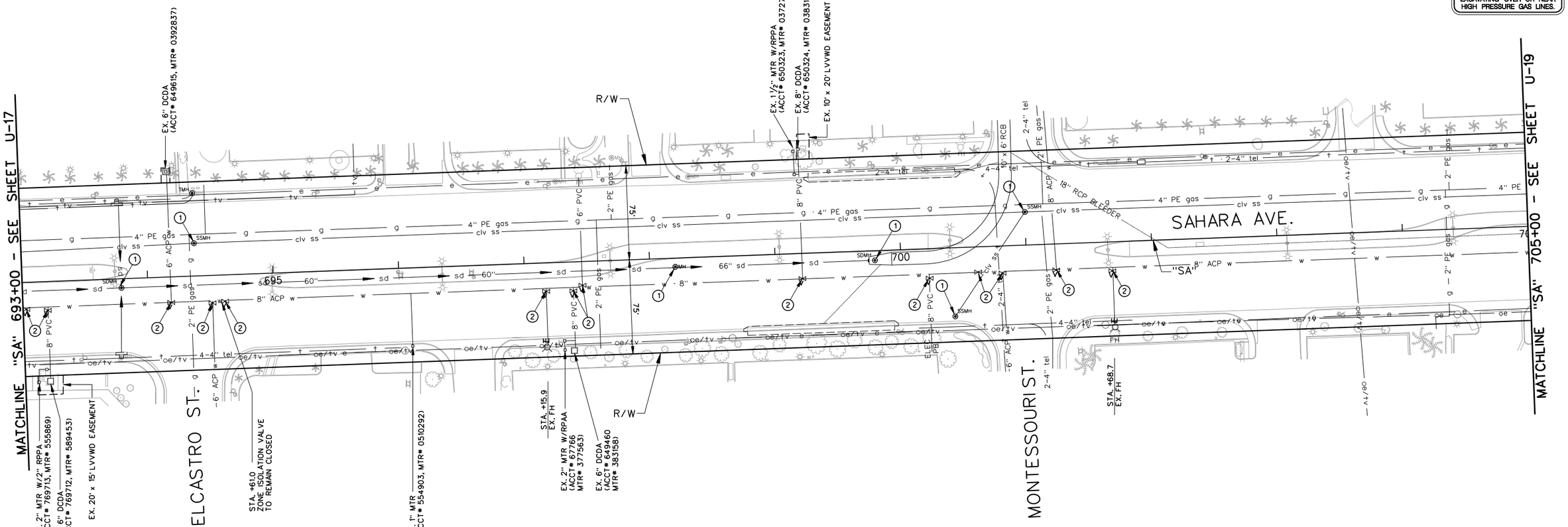
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. U-17

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012



CAUTION:
HIGH PRESSURE GAS LINE. CONTRACTOR TO CALL SOUTHWEST GAS AT 365-2296 FOR STANDBY WHEN EXCAVATING OVER OR NEAR HIGH PRESSURE GAS LINES.

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

UTILITY CONSTRUCTION ITEMS:

① "SA" 694+38. 26' LT
"SA" 700+42. 55' RT
"SA" 701+00. 26' LT
"SA" 693+79. 7' RT
"SA" 699+79. 8' RT
ADJUST MANHOLE COVER TO FINISH GRADE PER SECTION 630 OF THE SPECIAL PROVISIONS AND THE DESIGN AND CONSTRUCTION STANDARDS FOR WASTEWATER COLLECTION SYSTEMS DRAWING SD-5.

② "SA" 693+03. 22' RT
"SA" 693+20. 23' RT
"SA" 694+18. 20' RT
"SA" 694+51. 22' RT
"SA" 694+61. 21' RT
"SA" 697+17. 23' RT
"SA" 697+38. 23' RT
"SA" 697+46. 19' RT
"SA" 699+21. 20' RT
"SA" 700+22. 24' RT
"SA" 700+61. 20' RT
"SA" 700+81. 22' RT
"SA" 701+24. 21' RT
"SA" 701+68. 23' RT
ADJUST WATER VALVE BOX TO FINISH GRADE PER UDACS PLATE 39. VALVE SHALL BE ACCESSIBLE AT ALL TIMES.

Call 811 or 1-800-227-2600 — FAST Call before you UnderGround 1-702-432-5300 — Call before you dig overhead 1-702-227-2929

APPROVED FOR CONSTRUCTION:

Signature On File
LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER

PROJECT No. 116433 DATE 5/3/2011

APPROVAL OF THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR, OR AN APPROVAL OF, ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS.

AS-BUILT
Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

40 20 0 40 80
GRAPHIC SCALE

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

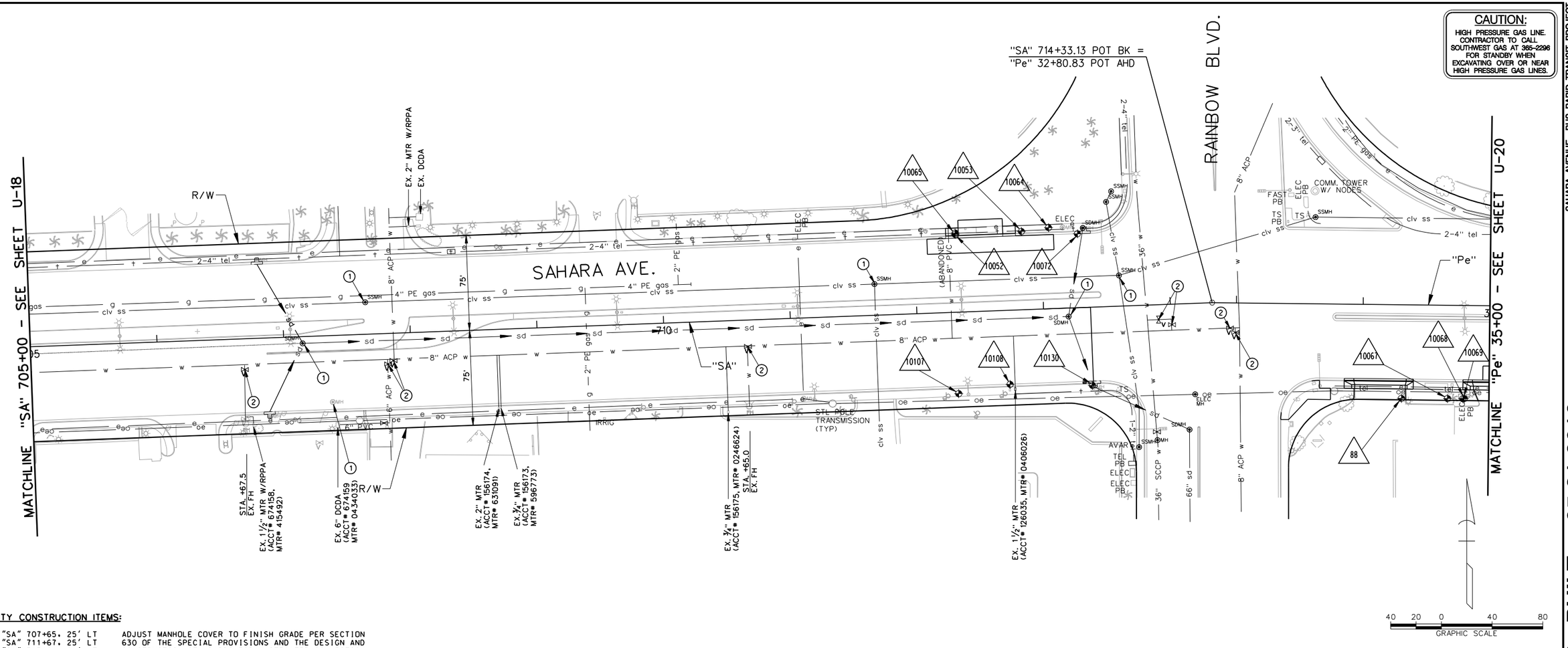
SAHARA AVENUE BUS RAPID TRANSIT PROJECT
UTILITY PLAN
"SA" 693+00 to "SA" 705+00
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: DM CHECKED BY: TC
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. U-18



CAUTION:
HIGH PRESSURE GAS LINE. CONTRACTOR TO CALL SOUTHWEST GAS AT 365-2296 FOR STANDBY WHEN EXCAVATING OVER OR NEAR HIGH PRESSURE GAS LINES.

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

UTILITY CONSTRUCTION ITEMS:

① "SA" 707+65. 25' LT
"SA" 711+67. 25' LT
"SA" 713+61. 24' LT
"SA" 707+14. 5' RT
"SA" 713+19. 7' RT
ADJUST MANHOLE COVER TO FINISH GRADE PER SECTION 630 OF THE SPECIAL PROVISIONS AND THE DESIGN AND CONSTRUCTION STANDARDS FOR WASTEWATER COLLECTION SYSTEMS DRAWING SD-5.

② "SA" 706+69. 24' RT
"SA" 707+82. 24' RT
"SA" 707+86. 22' RT
"SA" 710+66. 21' RT
"SA" 713+90. 12' RT
"SA" 714+00. 16' RT
"Pe" 32+95. 20' RT
"Pe" 32+99. 23' RT
ADJUST WATER VALVE BOX TO FINISH GRADE PER UDACS PLATE 39. VALVE SHALL BE ACCESSIBLE AT ALL TIMES.

POTHOLE LEGEND

XX POTHOLE NUMBER

POTHOLE LOCATION

POTHOLE NO.	UTILITY	TOP DEPTH	TOP ELEVATION	STATION	OFFSET
88	PWR	2.63	2386.79	34+31.00	73.87
10064	PWR	2.25	2387.28	713+06.31	63.95 LT
10065	PWR	2.00	2393.87	712+32.56	62.47 LT
10067	TEL	1.72	2386.78	34+67.30	73.59 RT
10068	TEL	3.08	2382.08	34+79.39	73.63 RT
10069	PWR	2.87	2385.24	34+80.56	73.51 RT
10072	TS	1.22	2389.97	713+28.90	58.28 LT
10130	SD	2.04	2388.95	713+36.26	61.79 RT
10107	SL	1.87	2392.10	712+30.63	64.35 RT
10052	TS	1.59	2392.29	712+32.44	61.37 LT
10108	WTR	2.67	2389.04	712+71.38	58.59 RT
10053	SL	2.31	2389.84	712+84.80	61.77 LT

Call 811 or 1-800-227-2600
FAST Call before you UnderGround 1-702-432-5300
Call before you overhead 1-702-227-2929

APPROVED FOR CONSTRUCTION:

Signature On File
LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER

PROJECT No. 116433 DATE 5/3/2011

APPROVAL OF THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR, OR AN APPROVAL OF, ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS.

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
A	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

UTILITY PLAN

"SA" 705+00 to "Pe" 35+00

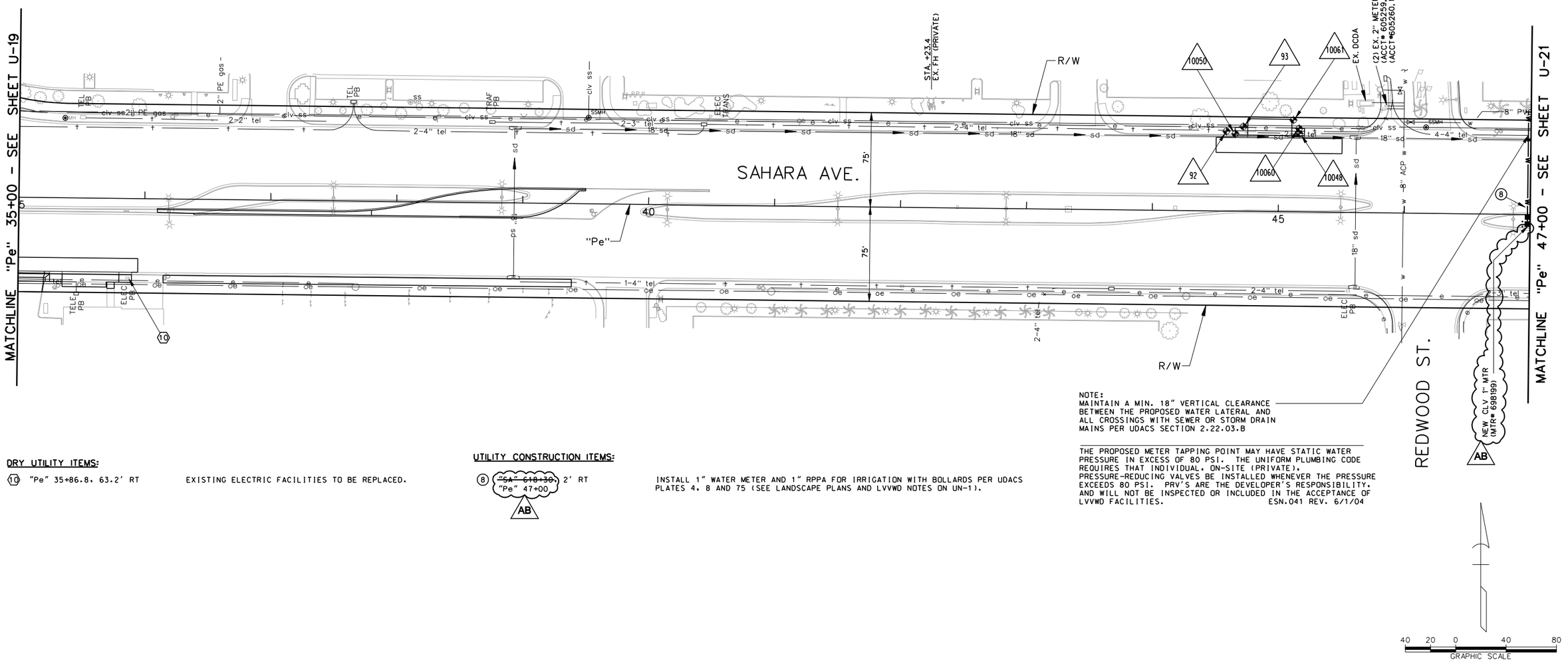
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: DM CHECKED BY: TC
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-8632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No.
U-19



CAUTION:
HIGH PRESSURE GAS LINE.
CONTRACTOR TO CALL
SOUTHWEST GAS AT 365-2296
FOR STANDBY WHEN
EXCAVATING OVER OR NEAR
HIGH PRESSURE GAS LINES.

NOTE:
MAINTAIN A MIN. 18" VERTICAL CLEARANCE BETWEEN THE PROPOSED WATER LATERAL AND ALL CROSSINGS WITH SEWER OR STORM DRAIN MAINS PER UDACS SECTION 2.22.03.B

THE PROPOSED METER TAPPING POINT MAY HAVE STATIC WATER PRESSURE IN EXCESS OF 80 PSI. THE UNIFORM PLUMBING CODE REQUIRES THAT INDIVIDUAL, ON-SITE (PRIVATE), PRESSURE-REDUCING VALVES BE INSTALLED WHENEVER THE PRESSURE EXCEEDS 80 PSI. PRV'S ARE THE DEVELOPER'S RESPONSIBILITY, AND WILL NOT BE INSPECTED OR INCLUDED IN THE ACCEPTANCE OF LVVWD FACILITIES. ESN.041 REV. 6/1/04

40 20 0 40 80
GRAPHIC SCALE

DRY UTILITY ITEMS:

(10) "Pe" 35+86.8, 63.2' RT — EXISTING ELECTRIC FACILITIES TO BE REPLACED.

UTILITY CONSTRUCTION ITEMS:

(8) ~~"SA" 618+30.~~ "Pe" 47+00 AB — 2' RT — INSTALL 1" WATER METER AND 1" RPPA FOR IRRIGATION WITH BOLLARDS PER UDACS PLATES 4, 8 AND 75 (SEE LANDSCAPE PLANS AND LVVWD NOTES ON UN-1).

POTHOLE LEGEND

XX POTHOLE NUMBER

POTHOLE LOCATION

POTHOLE NO.	UTILITY	TOP DEPTH	TOP ELEVATION	STATION	OFFSET
92	TEL	3.07	2362.99	44+58.11	63.45 LT
93	PWR	3.59	2362.13	44+71.58	67.28 LT
10048	TS	2.13	2360.92	45+16.11	62.20 LT
10050	TS	1.92	2364.31	44+65.15	61.55 LT
10060	FO	3.38	2361.88	45+15.80	66.15 LT
10061	PWR	4.96	2361.16	45+11.19	72.93 LT

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call 811 1-800-227-2600 — FAST Call before you UnderGround 1-702-432-5300 PRIORITY AND ARTERIAL SYSTEMS OF TRANSPORTATION — AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

APPROVED FOR CONSTRUCTION:

Signature On File
LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER

PROJECT No. 116433 DATE 7/14/2011

APPROVAL OF THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR, OR AN APPROVAL OF, ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

UTILITY PLAN

"Pe" 35+00 to "Pe" 47+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: DM CHECKED BY: TC
APPROVED BY RJP

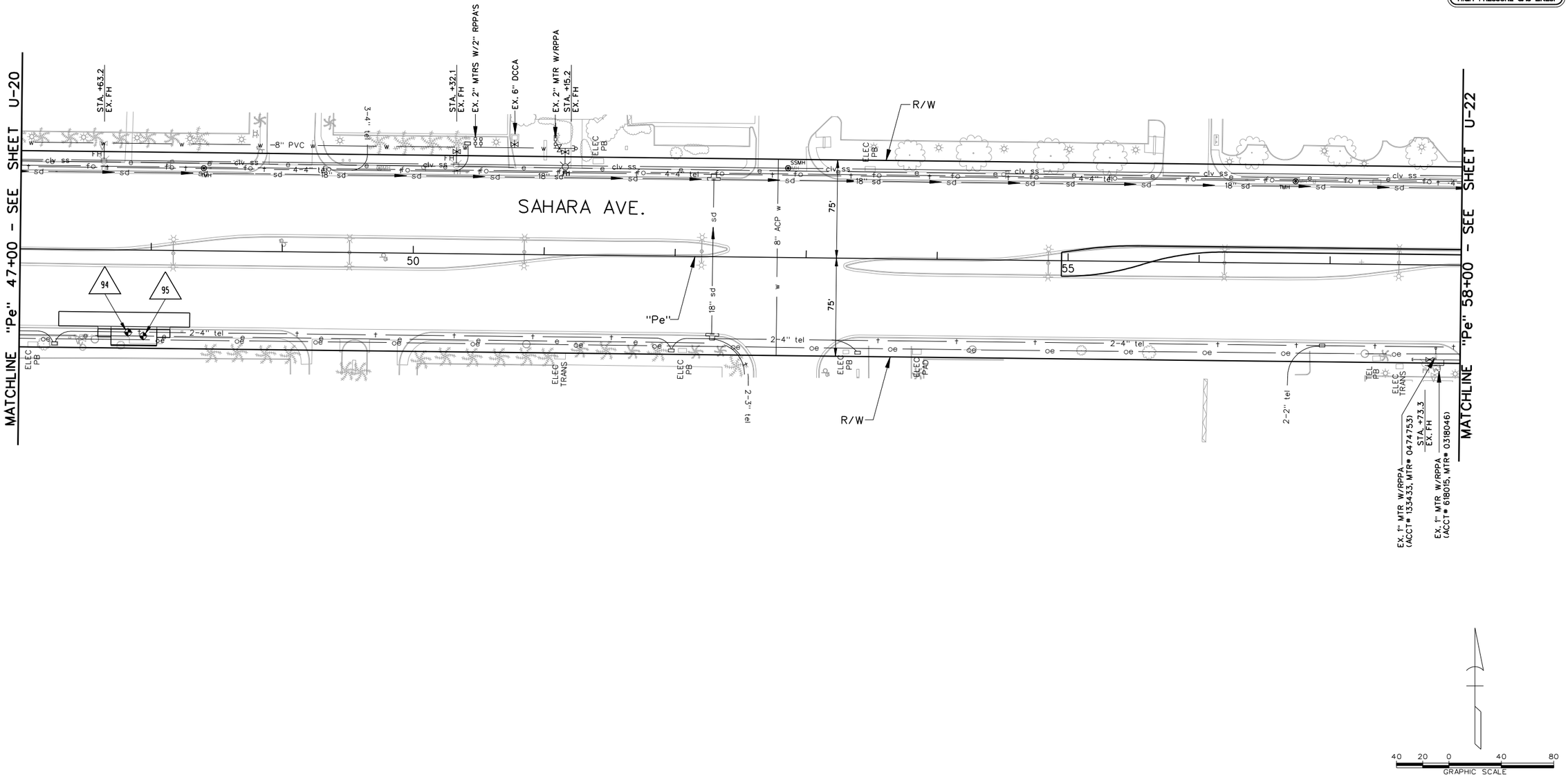
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. U-20

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012



CAUTION:
HIGH PRESSURE GAS LINE. CONTRACTOR TO CALL SOUTHWEST GAS AT 365-2296 FOR STANDBY WHEN EXCAVATING OVER OR NEAR HIGH PRESSURE GAS LINES.

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

Call 811 or 1-800-227-2600

FAST Call before you UnderGround 1-702-432-5300 PRIMARY AND ARTERIAL SYSTEMS OF TRANSPORTATION

CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

APPROVED FOR CONSTRUCTION:

Signature On File
LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER

PROJECT No. 116433 DATE 5/3/2011

APPROVAL OF THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR, OR AN APPROVAL OF, ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS.

AS-BUILT
Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

POTHOLE LEGEND

XX POTHOLE NUMBER

POTHOLE LOCATION

POTHOLE NO.	UTILITY	TOP DEPTH	TOP ELEVATION	STATION	OFFSET
94	TEL	3.41	2355.43	47+83.06	62.95 RT
95	PWR	3.28	2355.27	47+94.60	65.50 RT

REV. NO.	DATE	DESCRIPTION	APPROVED
A	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

UTILITY PLAN

"Pe" 47+00 to "Pe" 58+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

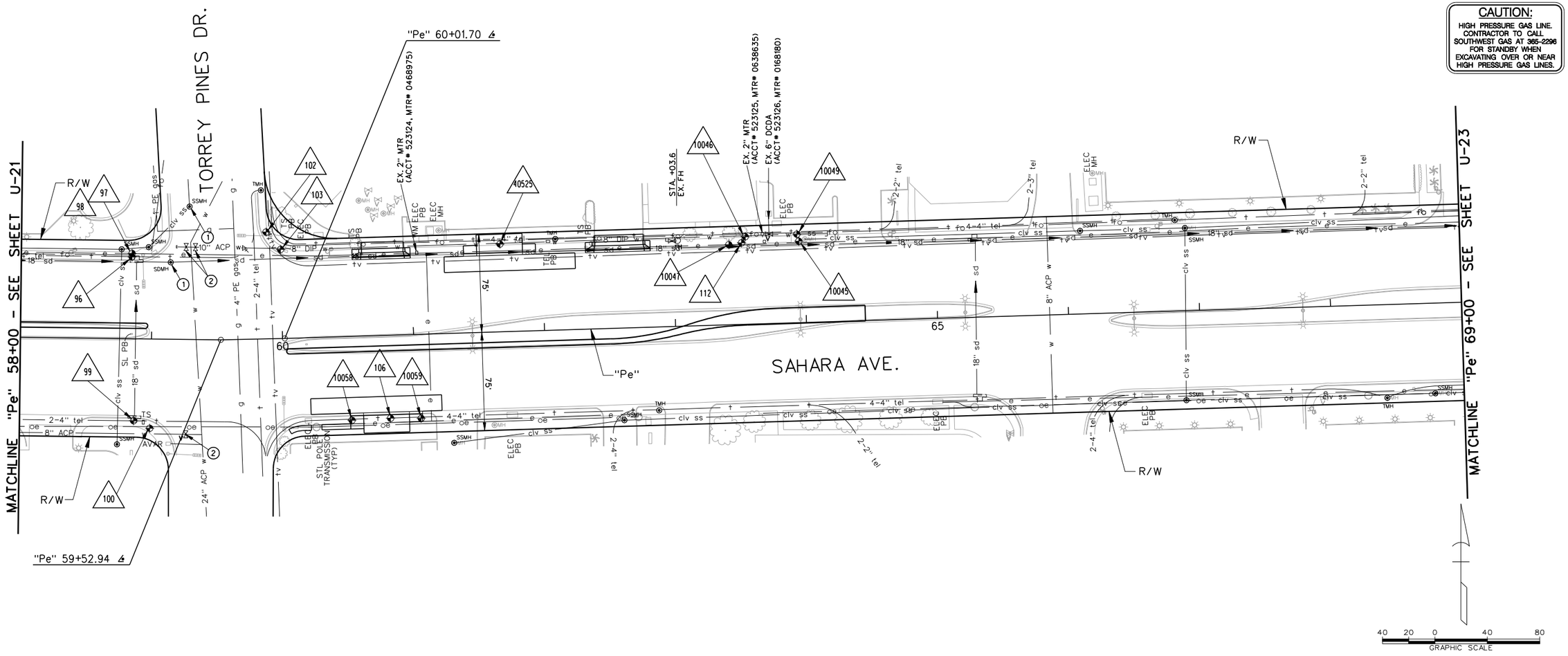
PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: DM CHECKED BY: TC
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. U-21

CAUTION:
HIGH PRESSURE GAS LINE. CONTRACTOR TO CALL SOUTHWEST GAS AT 385-2296 FOR STANDBY WHEN EXCAVATING OVER OR NEAR HIGH PRESSURE GAS LINES.



UTILITY CONSTRUCTION ITEMS:

① "Pe" 59+14. 59' LT

ADJUST MANHOLE COVER TO FINISH GRADE PER SECTION 630 OF THE SPECIAL PROVISIONS AND THE DESIGN AND CONSTRUCTION STANDARDS FOR WASTEWATER COLLECTION SYSTEMS DRAWING SD-5.

② "Pe" 59+27. 73' RT
"Pe" 59+29. 71' LT
"Pe" 59+33. 69' LT

ADJUST WATER VALVE BOX TO FINISH GRADE PER UDACS PLATE 39. VALVE SHALL BE ACCESSIBLE AT ALL TIMES.

POTHOLE LEGEND

XX POTHOLE NUMBER

POTHOLE LOCATION

POTHOLE NO.	UTILITY	TOP DEPTH	TOP ELEVATION	STATION	OFFSET
97	PWR	1.99	2334.70	58+84.43	65.11 LT
98	FO	2.68	2334.01	58+84.43	65.11 LT
99	TEL	2.19	2334.21	58+87.01	62.51 RT
100	WTR	3.84	2332.49	58+99.41	68.14 RT
102	WTR	2.0	2332.86	59+89.2	81.59 RT
103	PWR	1.93	2332.53	59+99.93	67.93 LT
106	TEL	3.64	2329.68	60+80.54	63.37 RT
112	PWR	3.46	2325.91	63+52.28	62.3 LT
10045	TS	0.87	2326.44	63+95.98	62.11 LT
10046	FO	1.55	2326.81	63+55.27	66.75 LT
10047	TS	1.94	2326.32	63+42.57	61.03 LT
10049	FO	3.31	2324.31	63+94.69	67.45 LT
10058	PWR	2.97	2330.81	60+51.57	64.02 RT
10059	PWR	4.68	2328.27	61+03.87	64.19 RT
40525	WTR	NOT FOUND	N/A	61+68	66.9 LT

Call 811 or 1-800-227-2600
FAST Call before you UnderGround 1-702-432-5300
CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

APPROVED FOR CONSTRUCTION:

Signature On File
LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER

PROJECT No. 116433 DATE 5/3/2011

APPROVAL OF THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR, OR AN APPROVAL OF, ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS.

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
A	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
UTILITY PLAN
"Pe" 58+00 to "Pe" 69+00
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: DM CHECKED BY: TC
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

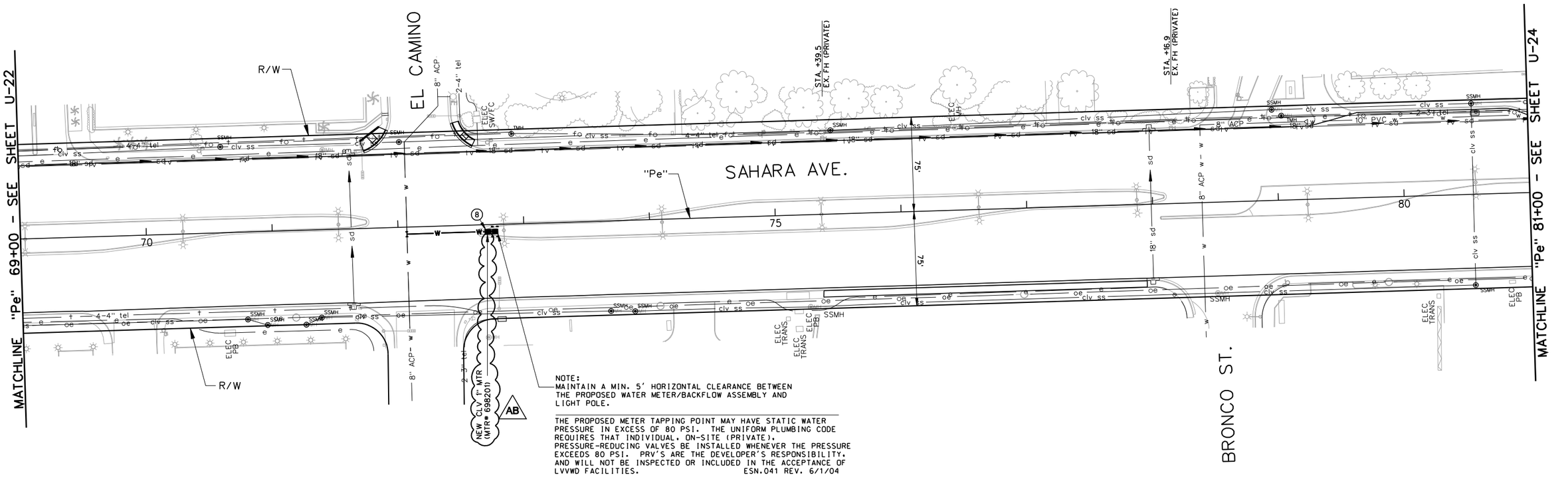
SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. U-22

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

CB1083_SaharaBRT-Align001.dgn - CB1083_SaharaBRT-Plan001.dgn - CB1083_SaharaBRT-ExSig001.dgn - CB1083_SaharaBRT-ExROW001.dgn - CB1083_SaharaBRT-Map001.dgn -
CB1083_SaharaBRT-CallDig.dgn - CB1083_SaharaBRT-Utility Accepted Lt Rt.dgn - CB1083_SaharaBRT-ExDrain001.dgn - CB1083_SaharaBRT-C022.dgn
P:\RTCSNV\CB1083 Sahara Ave BRT Project\As-Built Plans\sheets\CB1083_SaharaBRT-U022.dgn - 6/6/2012 - 16:41:26 ELC



NOTE:
MAINTAIN A MIN. 5' HORIZONTAL CLEARANCE BETWEEN THE PROPOSED WATER METER/BACKFLOW ASSEMBLY AND LIGHT POLE.

THE PROPOSED METER TAPPING POINT MAY HAVE STATIC WATER PRESSURE IN EXCESS OF 80 PSI. THE UNIFORM PLUMBING CODE REQUIRES THAT INDIVIDUAL, ON-SITE (PRIVATE), PRESSURE-REDUCING VALVES BE INSTALLED WHENEVER THE PRESSURE EXCEEDS 80 PSI. PRV'S ARE THE DEVELOPER'S RESPONSIBILITY, AND WILL NOT BE INSPECTED OR INCLUDED IN THE ACCEPTANCE OF LVVWD FACILITIES. ESN.041 REV. 6/1/04

UTILITY CONSTRUCTION ITEMS:

(8) "Pe" 72+71. ~~5.5' LT~~ 5.5' RT (AB)

INSTALL 1" WATER METER AND 1" RPPA FOR IRRIGATION WITH BOLLARDS PER UDACS PLATES 4, 8 AND 75 (SEE LANDSCAPE PLANS AND LVVWD NOTES ON UN-1).

THE PROPOSED METER TAPPING POINT

MAY HAVE STATIC WATER PRESSURE IN EXCESS OF 80 PSI. THE UNIFORM PLUMBING CODE REQUIRES THAT INDIVIDUAL, ON-SITE (PRIVATE), PRESSURE-REDUCING VALVES BE INSTALLED WHENEVER THE PRESSURE EXCEEDS 80PSI. PRV'S ARE THE DEVELOPER'S RESPONSIBILITY, AND WILL NOTE BE INSPECTED OR INCLUDED IN THE ACCEPTANCE OF LVVWD FACILITIES. ESN.041 REV. 6/1/04

CAUTION:
HIGH PRESSURE GAS LINE. CONTRACTOR TO CALL SOUTHWEST GAS AT 365-2296 FOR STANDBY WHEN EXCAVATING OVER OR NEAR HIGH PRESSURE GAS LINES.

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S CONTROL
Call 811 or 1-800-227-2600

FAST
Call before you UnderGround 1-702-432-5300
FREEWAY AND ARTERIAL SYSTEMS OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. IT'S CONTROL
CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

APPROVED FOR CONSTRUCTION:

Signature On File
LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER

PROJECT No. 116433 DATE 7/14/2011

APPROVAL OF THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR, OR AN APPROVAL OF, ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS.

AS-BUILT
Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

40 20 0 40 80
GRAPHIC SCALE

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
UTILITY PLAN
"Pe" 69+00 to "Pe" 81+00
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: DM CHECKED BY: TC
APPROVED BY RJP

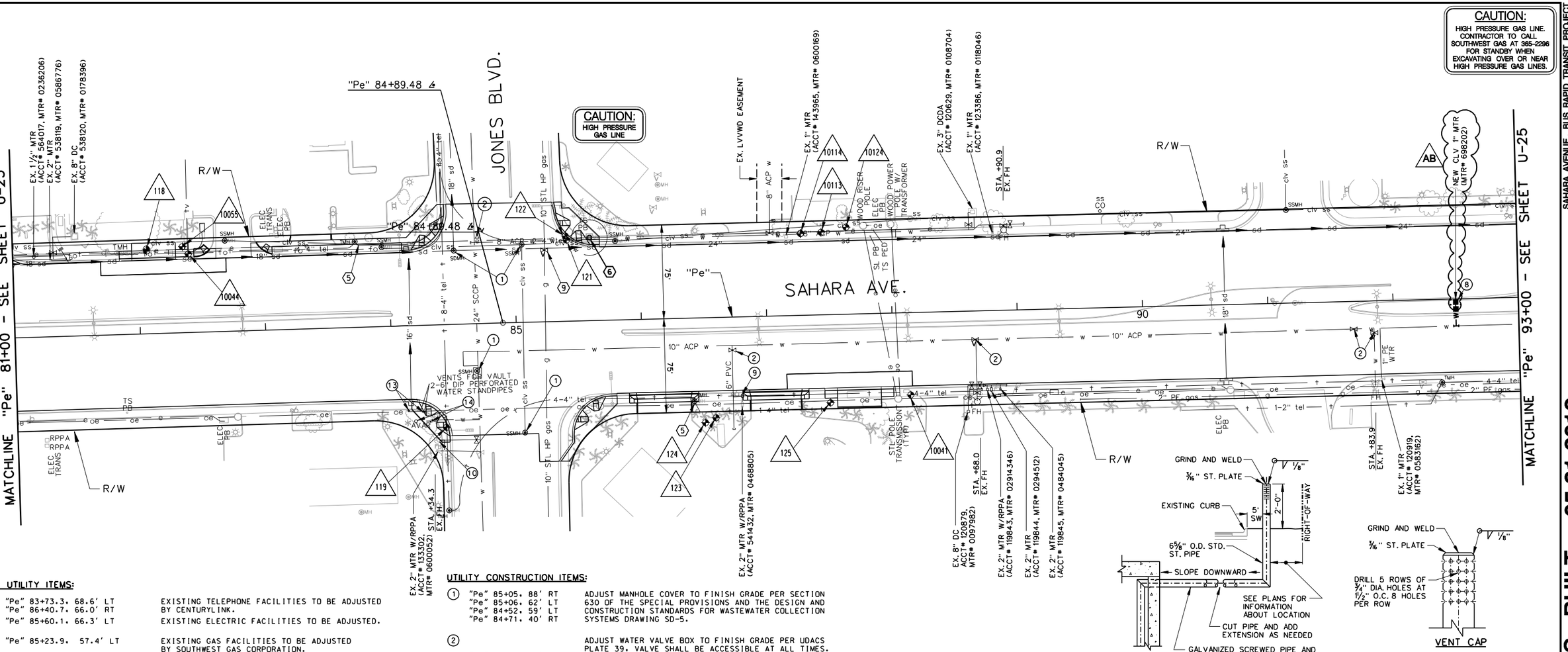
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-8632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. U-23

AS - BUILT - 05.31.2012

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT



VENT PIPE
NOT TO SCALE

DRY UTILITY ITEMS:

⑤ "Pe" 83+73.3. 68.6' LT — EXISTING TELEPHONE FACILITIES TO BE ADJUSTED
"Pe" 86+40.7. 66.0' RT — BY CENTURYLINK.

⑥ "Pe" 85+60.1. 66.3' LT — EXISTING ELECTRIC FACILITIES TO BE ADJUSTED.

⑨ "Pe" 85+23.9. 57.4' LT — EXISTING GAS FACILITIES TO BE ADJUSTED BY SOUTHWEST GAS CORPORATION.

UTILITY CONSTRUCTION ITEMS:

① "Pe" 85+05. 88' RT
"Pe" 85+06. 62' LT
"Pe" 84+52. 59' LT
"Pe" 84+71. 40' RT
ADJUST MANHOLE COVER TO FINISH GRADE PER SECTION 630 OF THE SPECIAL PROVISIONS AND THE DESIGN AND CONSTRUCTION STANDARDS FOR WASTEWATER COLLECTION SYSTEMS DRAWING SD-5.

②
"Pe" 84+71. 71' LT
"Pe" 86+70. 27' RT
"Pe" 88+66. 22' RT
"Pe" 91+68. 22' RT
"Pe" 91+84. 25' RT
ADJUST WATER VALVE BOX TO FINISH GRADE PER UDACS PLATE 39. VALVE SHALL BE ACCESSIBLE AT ALL TIMES.

⑨ "Pe" 86+79. 63' RT — ADJUST WATER METER TO FINISH GRADE PER UDACS PLATE #4 AND SECTION 2.18. PROTECT EXISTING BACKFLOW PREVENTER AND PAD IN PLACE AT EXISTING ELEVATION. SIDEWALK TO BE ADJUSTED TO MATCH PAD OR ROUTED AROUND BACKFLOW PREVENTER.

⑩ "Pe" 84+34. 92' RT — ADJUST EXISTING FIRE HYDRANT TO FINISH GRADE PER UDACS PLATE #40. 41 AND UDACS SECTION 2.21.06.

⑬ "Pe" 84+25. 68' RT TO "Pe" 84+15. 68' RT — RELOCATE VENT STANDPIPES PER DETAIL. CUT EXISTING PIPE AND INSTALL PIPE EXTENSION. EXISTING VENT CAP TO BE REINSTALLED.

⑭ "Pe" 84+30. 77' RT TO "Pe" 84+20. 77' RT — RELOCATE AVAR PER UDACS PLATE NO. 38. CUT EXISTING PIPE AND INSTALL EXTENSION.

⑧ "Pe" 92+50. 8' RT — INSTALL 1" WATER METER AND 1" RPPA FOR IRRIGATION WITH BOLLARDS PER UDACS PLATES 4. 8 AND 75 (SEE LANDSCAPE PLANS AND LVVWD NOTES ON UN-1).

40 20 0 40 80
GRAPHIC SCALE

POTHOLE LEGEND

XX POTHOLE NUMBER

POTHOLE LOCATION

POTHOLE NO.	UTILITY	TOP DEPTH	TOP ELEVATION	STATION	OFFSET
118	FO	4.67	2291.16	82+06.82	67.56 LT
119	TEL	4.71	2288.78	84+41.91	82.19 RT
121	PWR	3.22	2288.33	85+41.00	65.02 LT
122	PWR	0.92	2290.56	85+40.98	68.08 LT
123	PWR	4.38	2287.48	86+57.69	79.92 RT
124	WTR	4.5	2286.51	86+49.16	83.68 RT
125	TEL	1.07	2289.86	87+49.25	70.19 RT
10041	FO	3.45	2286.27	88+13.46	65.62 RT
10044	PWR	3.17	2292.41	82+40.12	62.71 LT
10055	FO	4.28	2291.34	82+35.58	68.62 LT
10113	WTR	3.72	2286.61	87+45.02	65.84 LT
10114	SL	1.43	2288.97	87+28.63	65.30 LT
10124	PWR	4.23	2286.11	87+65.01	69.41 LT

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

APPROVED FOR CONSTRUCTION:

Signature On File
LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER

PROJECT No. 116433 DATE 7/14/2011

APPROVAL OF THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR, OR AN APPROVAL OF, ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS.

CLARK COUNTY FIRE DEPARTMENT APPROVED:

Signature On File 5/3/2011
BY DATE

APPROVAL OF THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR OR AN APPROVAL OF ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS.

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S CONTROL Call 811 OR 1-800-227-2600
FAST Call before you UnderGround 1-702-432-5300 PRIMARY AND ARTERIAL SYSTEMS OF TRANSPORTATION
AVOID HITTING OVERHEAD POWER LINES. IT'S CONTROL CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

UTILITY PLAN

"Pe" 81+00 to "Pe" 93+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: DM CHECKED BY: TC
APPROVED BY RJP

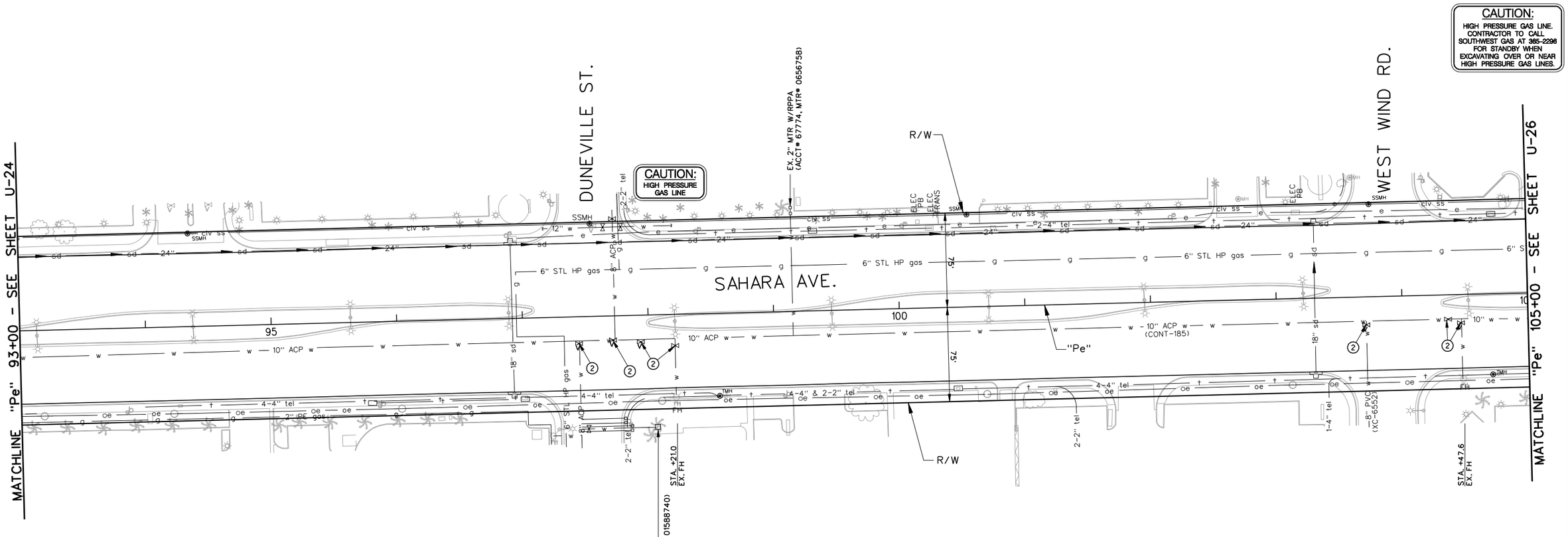
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. U-24

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012



UTILITY CONSTRUCTION ITEMS:

(2)	"Pe" 97+45. 22' RT "Pe" 97+72. 19' RT "Pe" 97+94. 21' RT "Pe" 98+21. 25' RT "Pe" 103+71. 22' RT "Pe" 104+37. 19' RT "Pe" 104+47. 23' RT	ADJUST WATER VALVE BOX TO FINISH GRADE PER UDACS PLATE 39. VALVE SHALL BE ACCESSIBLE AT ALL TIMES.

40 20 0 40 80
GRAPHIC SCALE

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

Call 811 or 1-800-227-2600 — FAST Call before you UnderGround 1-702-432-5300 — Call before you do overhead 1-702-227-2929

APPROVED FOR CONSTRUCTION:

Signature On File
LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER

PROJECT No. 116433 DATE 5/3/2011

APPROVAL OF THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR, OR AN APPROVAL OF, ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

UTILITY PLAN

"Pe" 93+00 to "Pe" 105+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: DM CHECKED BY: TC
APPROVED BY RJP

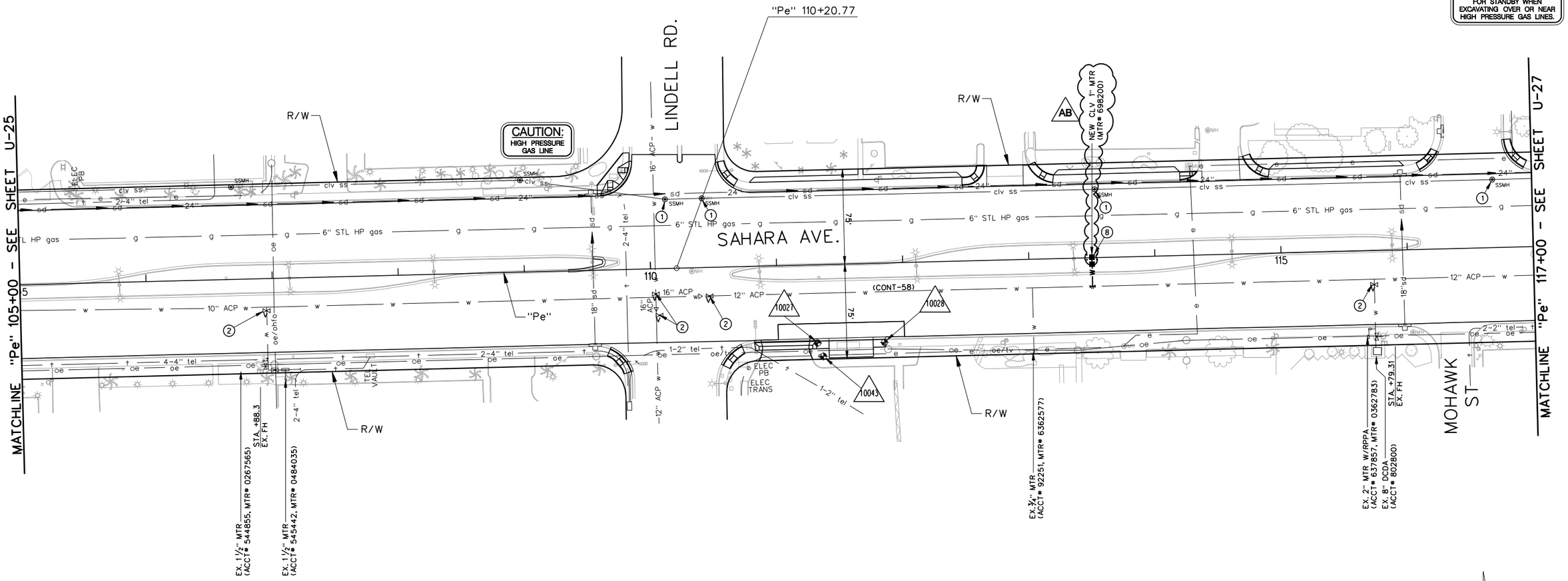
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. U-25

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012



AS - BUILT - 05.31.2012

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

UTILITY CONSTRUCTION ITEMS:

①	"Pe" 110+42. 55' LT "Pe" 110+11. 55' LT "Pe" 113+54. 54' LT "Pe" 116+69. 54' LT	ADJUST MANHOLE COVER TO FINISH GRADE PER SECTION 630 OF THE SPECIAL PROVISIONS AND THE DESIGN AND CONSTRUCTION STANDARDS FOR WASTEWATER COLLECTION SYSTEMS DRAWING SD-5.
②	"Pe" 106+95. 25' RT "Pe" 110+04. 20' RT "Pe" 110+06. 37' RT "Pe" 110+47. 23' RT "Pe" 115+71. 27' RT	ADJUST WATER VALVE BOX TO FINISH GRADE PER UDACS PLATE 39. VALVE SHALL BE ACCESSIBLE AT ALL TIMES.
⑧	"Pe" 113+50. 5' RT	INSTALL 1" WATER METER AND 1" RPPA FOR IRRIGATION WITH BOLLARDS PER UDACS PLATES 4. 8 AND 75 (SEE LANDSCAPE PLANS AND LVVWD NOTES ON UN-1).

ACID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call 811 OR 1-800-227-2600

FAST Call before you UnderGround 1-702-432-5300 FREEWAY AND ARTERIAL SYSTEMS OF TRANSPORTATION

ACID MELTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

APPROVED FOR CONSTRUCTION:

Signature On File
LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER

PROJECT No. 116433 DATE 7/14/2011

APPROVAL OF THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR, OR AN APPROVAL OF, ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS.

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

POTHOLE LEGEND

△ XX POTHOLE NUMBER

POTHOLE LOCATION

POTHOLE NO.	UTILITY	TOP DEPTH	TOP ELEVATION	STATION	OFFSET
10027	TS	1.88	2251.54	111+31.08	62.09 RT
10028	TS	2.08	2250.67	111+84.02	62.90 RT
10043	PWR	3.43	2250.82	111+35.44	72.72 RT

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

UTILITY PLAN

"Pe" 105+00 to "Pe" 117+00

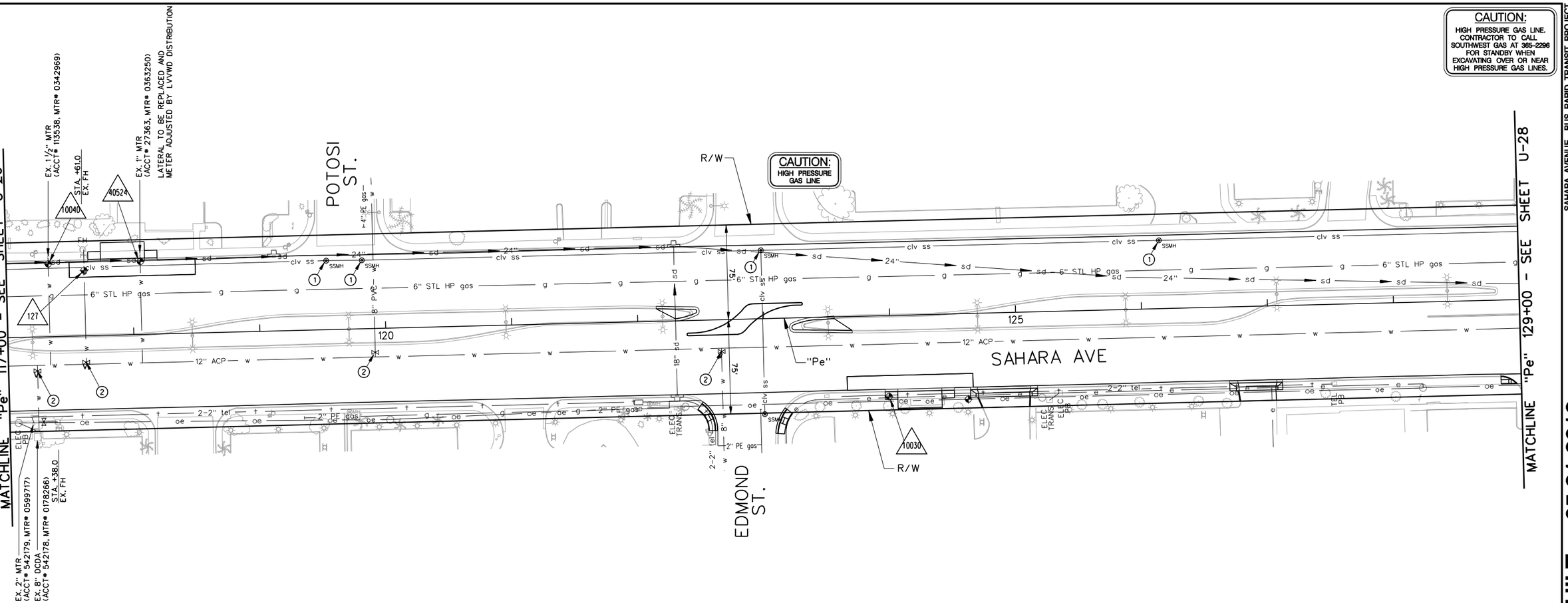
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: DM CHECKED BY: TC
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. U-26



SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

UTILITY CONSTRUCTION ITEMS:

① "Pe" 119+54. 55' LT — ADJUST MANHOLE COVER TO FINISH GRADE PER SECTION 630 OF THE SPECIAL PROVISIONS AND THE DESIGN AND CONSTRUCTION STANDARDS FOR WASTEWATER COLLECTION SYSTEMS DRAWING SD-5.
"Pe" 119+83. 55' LT
"Pe" 122+99. 55' LT
"Pe" 126+15. 54' LT

② "Pe" 117+23. 27' RT — ADJUST WATER VALVE BOX TO FINISH GRADE PER UDACS PLATE 39. VALVE SHALL BE ACCESSIBLE AT ALL TIMES.
"Pe" 117+62. 21' RT
"Pe" 119+91. 19' RT
"Pe" 122+66. 25' RT

Call 811 1-800-227-2600 — FAST Call before you UnderGround 1-702-432-5300 — CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

APPROVED FOR CONSTRUCTION:

Signature On File
LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER

PROJECT No. 116433 DATE 5/3/2011

APPROVAL OF THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR, OR AN APPROVAL OF, ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS.

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

POTHOLE LEGEND

XX POTHOLE NUMBER

POTHOLE LOCATION

POTHOLE NO.	UTILITY	TOP DEPTH	TOP ELEVATION	STATION	OFFSET
127	WATER	2.89	2240.94	117+61.73	51.81 LT
10030	PWR	3.07	2232.76	123+98.04	64.28 RT
10040	WATER	3.51	2240.94	117+33.43	57.57 LT
40524	WATER	3.67	N/A	118+06.63	57.75 LT

40 20 0 40 80
GRAPHIC SCALE

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

UTILITY PLAN

"Pe" 117+00 to "Pe" 129+00

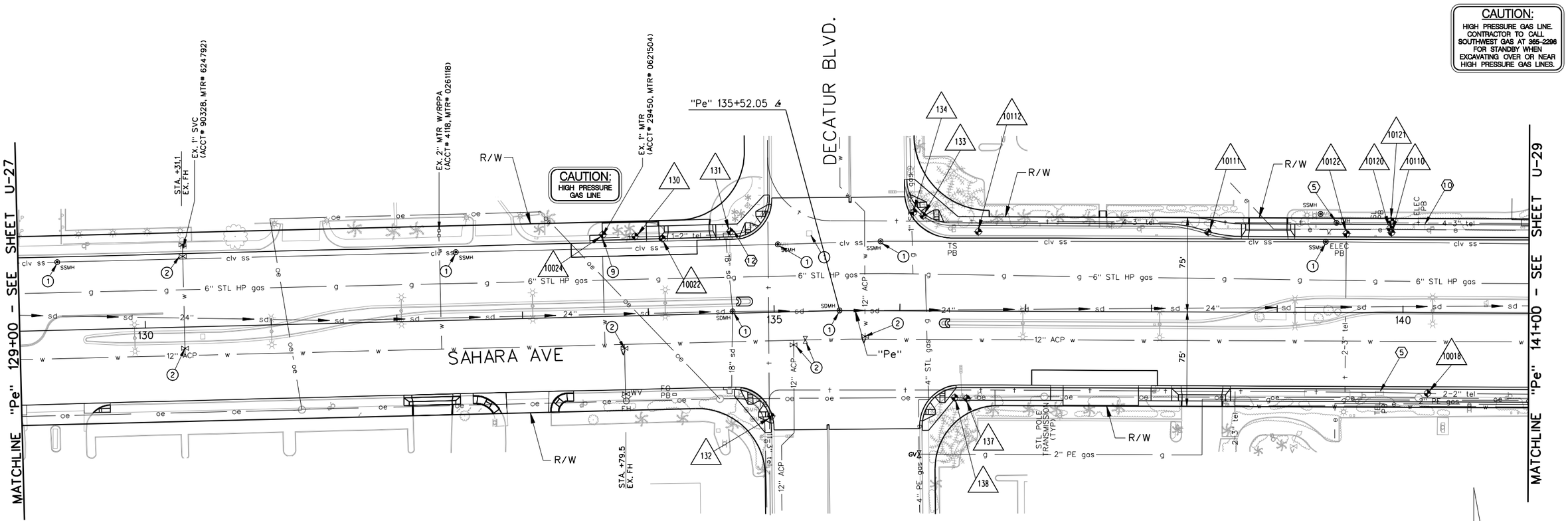
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

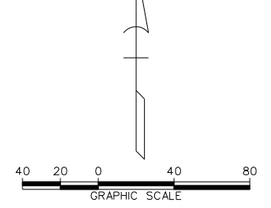
PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: DM CHECKED BY: TC
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. U-27





AS - BUILT - 05.31.2012

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

DRY UTILITY ITEMS:

(5)	"Pe" 139+46.8, 71.3' LT "Pe" 139+81.2, 63.9' RT	EXISTING TELEPHONE FACILITIES TO BE ADJUSTED BY CENTURYLINK.
(10)	"Pe" 140+12.8, 69.1' LT	EXISTING ELECTRIC FACILITIES TO BE PROTECTED IN PLACE.
(12)	"Pe" 134+64.7, 66.0' LT	EXISTING GAS FACILITIES TO BE REMOVED.

UTILITY CONSTRUCTION ITEMS:

(1)	"Pe" 129+31, 54' LT "Pe" 132+48, 54' LT "Pe" 135+04, 54' LT "Pe" 135+85, 55' LT "Pe" 139+38, 56' LT "Pe" 134+67, 2' LT "Pe" 135+52, 0' RT	ADJUST MANHOLE COVER TO FINISH GRADE PER SECTION 630 OF THE SPECIAL PROVISIONS AND THE DESIGN AND CONSTRUCTION STANDARDS FOR WASTEWATER COLLECTION SYSTEMS DRAWING SD-5.
(2)	"Pe" 130+31, 17' RT "Pe" 133+80, 26' RT "Pe" 135+15, 26' RT "Pe" 135+24, 23' RT "Pe" 135+72, 20' RT "Pe" 130+31, 57' LT	ADJUST WATER VALVE BOX TO FINISH GRADE PER UDACS PLATE 39. VALVE SHALL BE ACCESSIBLE AT ALL TIMES.
(9)	"Pe" 133+64.9, 62.6' LT	ADJUST WATER METER TO FINISH GRADE PER UDACS PLATE #4 AND SECTION 2.18. PROTECT EXISTING BACKFLOW PREVENTER AND PAD IN PLACE AT EXISTING ELEVATION. SIDEWALK TO BE ADJUSTED TO MATCH PAD OR ROUTED AROUND BACKFLOW PREVENTER.

POTHOLE LEGEND

XX POTHOLE NUMBER

POTHOLE LOCATION

POTHOLE NO.	UTILITY	TOP DEPTH	TOP ELEVATION	STATION	OFFSET
130	FO	1.38	2222.07	133+90.91	63.16 LT
131	FO	1.31	2220.84	134+66.74	65.01 LT
132	FO	3.24	2219.05	134+95.64	82.47 RT
133	FO	2.86	2216.72	136+18.10	75.61 LT
134	GAS	3.08	2216.51	136+10.60	78.44 LT
137	FO	2.5	2215.57	136+53.48	69.48 RT
138	IRR	0.84	2215.76	137+43.92	68.86 RT
10018	FO	2.04	2207.92	140+19.68	63.87 RT
10022	SL	0.92	2222.16	134+12.50	60.89 LT
10024	WTR	1.64	2222.26	133+65.41	65.05 LT
10110	TS	1.84	2209.30	139+90.60	63.74 LT
10111	TS	1.70	2213.12	138+44.75	63.43 LT
10112	TS	1.47	2217.28	136+62.11	63.10 LT
10120	PWR	2.94	2208.13	139+89.45	67.04 LT
10121	TEL	4.10	2206.93	139+90.08	72.99 LT
10122	TEL	2.60	2209.64	139+54.87	62.76 LT

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S CORTEC
Call 811
1-800-227-2600
FAST
Call before you UnderGround
1-702-432-5300
FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION
AVOID HITTING OVERHEAD POWER LINES. IT'S CORTEC
CALL BEFORE YOU DO OVERHEAD
1-702-227-2929

APPROVED FOR CONSTRUCTION:

Signatures On File
LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER

PROJECT No. 116433 DATE 5/3/2011

APPROVAL OF THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR, OR AN APPROVAL OF, ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

UTILITY PLAN

"Pe" 129+00 to "Pe" 141+00

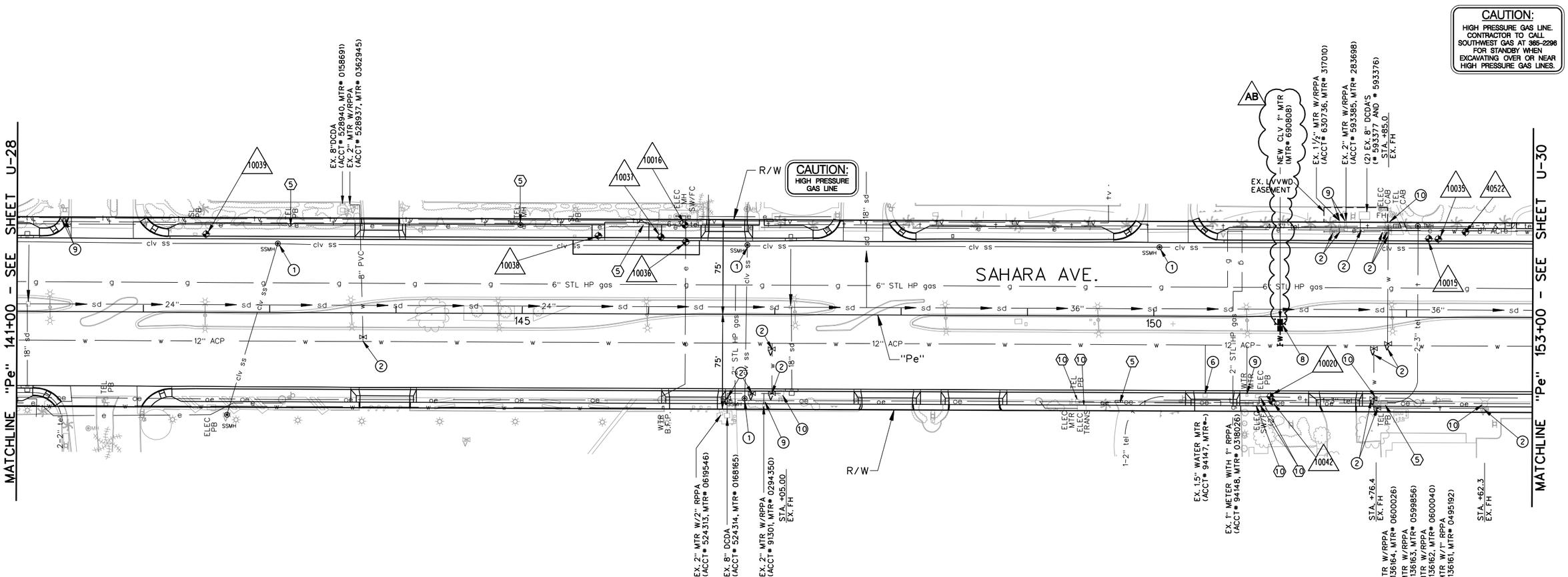
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: DM CHECKED BY: TC
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. U-28



SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

DRY UTILITY ITEMS:

(5) "Pe" 143+16.1, 67.9' LT
"Pe" 144+98.3, 70.0' LT
"Pe" 145+93.3, 74.5' LT
"Pe" 149+72.5, 67.5' RT
"Pe" 151+82.7, 68.0' RT
EXISTING TELEPHONE FACILITIES TO BE ADJUSTED BY CENTURYLINK.

(10) "Pe" 149+39.6, 68.0' RT
"Pe" 149+42.9, 73.0' RT
"Pe" 150+80.4, 69.1' RT
"Pe" 150+82.7, 63.1' RT
"Pe" 150+84.2, 69.1' RT
EXISTING ELECTRIC FACILITIES TO BE PROTECTED IN PLACE.

(12) "Pe" 148+92.6, 65.8' LT
"Pe" 150+68.5, 67.3' LT
EXISTING GAS FACILITIES TO BE REMOVED.

UTILITY CONSTRUCTION ITEMS:

(1) "Pe" 143+06, 55' LT
"Pe" 146+76, 67' RT
"Pe" 146+78, 55' LT
"Pe" 150+04, 54' LT
ADJUST MANHOLE COVER TO FINISH GRADE PER SECTION 630 OF THE SPECIAL PROVISIONS AND THE DESIGN AND CONSTRUCTION STANDARDS FOR WASTEWATER COLLECTION SYSTEMS DRAWING SD-5.

(2)
"Pe" 143+74, 22' RT
"Pe" 146+62, 66' RT
"Pe" 146+82, 63' RT
"Pe" 146+98, 27' RT
"Pe" 146+98, 63' RT
"Pe" 151+74, 25' RT
"Pe" 151+86, 21' RT
"Pe" 151+42, 67' LT
"Pe" 151+47, 69' LT
"Pe" 151+63, 69' LT
"Pe" 151+74, 65' RT
"Pe" 151+77, 72' RT
"Pe" 151+82, 67' LT
"Pe" 151+83, 68' LT
"Pe" 151+85, 70' LT
"Pe" 152+62, 72' RT
ADJUST WATER VALVE BOX TO FINISH GRADE PER UDACS PLATE 39. VALVE SHALL BE ACCESSIBLE AT ALL TIMES.

(6) "Pe" 150+40.8, 62.6' RT
ADJUST WATER VAULT TO FINISH GRADE PER UDACS SHEET C-475 AND LVVWD NOTE 17 ON SHEET UN-1.

(8) "Pe" 151+00.0, 4.0' RT
INSTALL 1" WATER METER AND 1" RPPA FOR IRRIGATION WITH BOLLARDS PER UDACS PLATES 4, 8 AND 75 (SEE LANDSCAPE PLANS AND LVVWD NOTES ON UN-1).

(9) "Pe" 141+35.7, 72.7' LT *
"Pe" 141+37.2, 74.2' LT *
"Pe" 141+38.3, 72.3' LT *
"Pe" 146+91.7, 67.6' RT
"Pe" 150+74.0, 62.3' RT
"Pe" 151+46.7, 71.5' LT
"Pe" 151+51.7, 70.0' LT
ADJUST WATER METER TO FINISH GRADE PER UDACS PLATE #4 AND SECTION 2.18. PROTECT EXISTING BACKFLOW PREVENTER AND PAD IN PLACE AT EXISTING ELEVATION. SIDEWALK TO BE ADJUSTED TO MATCH PAD OR ROUTED AROUND BACKFLOW PREVENTER. (* THESE ARE NOT LVVWD SERVICES. CONTRACTOR TO ADJUST TO FINISH GRADE FOR CONSISTENCY).

(10) "Pe" 147+05.0, 62.3' RT
"Pe" 151+85.0, 73.8' LT
"Pe" 151+76.4, 65.6' RT
"Pe" 152+62.3, 68.2' RT
ADJUST EXISTING FIRE HYDRANT TO FINISHED GRADE PER UDACS PLATE #40, 41 AND SECTION 2.21.06.

40 20 0 40 80
GRAPHIC SCALE

POTHOLE LEGEND

XX POTHOLE NUMBER

POTHOLE LOCATION

POTHOLE NO.	UTILITY	TOP DEPTH	TOP ELEVATION	STATION	OFFSET
10015	FO	2.89	2188.62	152+17.48	62.13 LT
10016	FO	1.57	2196.66	146+28.53	70.60 LT
10020	PWR	2.60	2190.42	150+92.51	63.20 RT
10035	TS	2.34	2189.06	152+24.94	61.89 LT
10036	PWR	4.52	2192.90	146+29.23	57.30 LT
10037	TS	2.52	2195.68	146+09.58	61.00 LT
10038	TS	2.36	2196.19	145+59.99	61.81 LT
10039	TS	1.50	2203.09	142+49.38	61.85 LT
10042	TV	2.24	2190.49	150+93.97	67.14 LT
40522	WTR	2.58	N/A	152+46.43	67.50 LT

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY.
Call 811 or 1-800-227-2600
FAST
Call before you UnderGround
1-702-432-5300
REGIONAL AND NATIONAL SYSTEM OF TRANSPORTATION
AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY.
CALL BEFORE YOU DO OVERHEAD
1-702-227-2929

APPROVED FOR CONSTRUCTION:

Signature On File
LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER

PROJECT No. 116433 DATE 5/3/2011

APPROVAL OF THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR, OR AN APPROVAL OF, ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS.

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

CLARK COUNTY FIRE DEPARTMENT APPROVED:

Signature On File 5/3/2011
BY DATE

APPROVAL OF THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR OR AN APPROVAL OF ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

UTILITY PLAN

"Pe" 141+00 to "Pe" 153+00

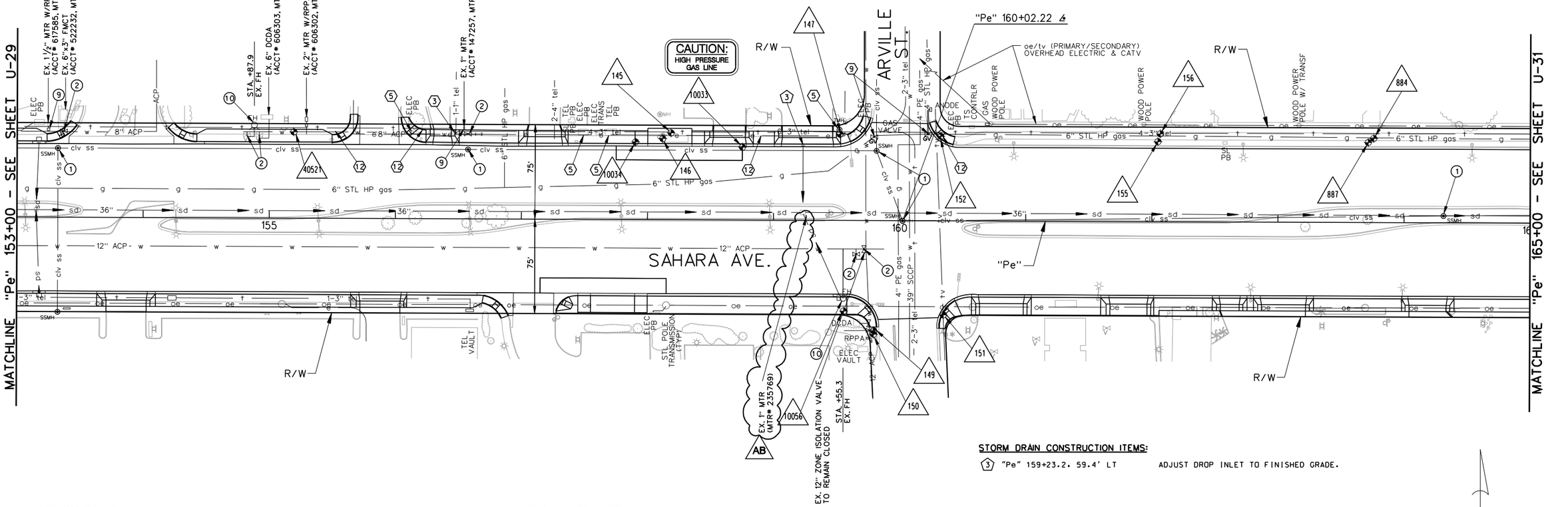
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: DM CHECKED BY: TC
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. U-29



CAUTION:
HIGH PRESSURE GAS LINE. CONTRACTOR TO CALL SOUTHWEST GAS AT 385-2296 FOR STANDBY WHEN EXCAVATING OVER OR NEAR HIGH PRESSURE GAS LINES.

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

STORM DRAIN CONSTRUCTION ITEMS:

(3) "Pe" 159+23.2, 59.4' LT — ADJUST DROP INLET TO FINISHED GRADE.

DRY UTILITY ITEMS:

(3) "Pe" 156+47.6, 67.6' LT — EXISTING TELEPHONE FACILITIES TO BE RELOCATED BY CENTURYLINK.

(5) "Pe" 157+48.6, 69.1' LT; "Pe" 157+70.6, 69.1' LT; "Pe" 159+51.8, 71.9' LT; "Pe" 156+12.9, 68.7' LT — EXISTING TELEPHONE FACILITIES TO BE ADJUSTED BY CENTURYLINK.

(9) "Pe" 159+79.7, 66.4' LT; "Pe" 160+22.5, 68.7' LT (EV) — EXISTING GAS FACILITIES TO BE ADJUSTED BY SOUTHWEST GAS CORPORATION. (EV) ESSENTIAL VALVE MUST BE ACCESSIBLE THROUGHOUT CONSTRUCTION.

(12) "Pe" 155+54.5, 69.0' LT; "Pe" 156+23.0, 70.7' LT; "Pe" 158+86.8, 66.7' LT; "Pe" 160+42.4, 67.5' LT — EXISTING GAS FACILITIES TO BE REMOVED.

UTILITY CONSTRUCTION ITEMS:

(1) "Pe" 153+32, 55' LT; "Pe" 156+57, 55' LT; "Pe" 159+82, 55' LT; "Pe" 160+03, 00'; "Pe" 164+31, 6' LT — ADJUST MANHOLE COVER TO FINISH GRADE PER SECTION 630 OF THE SPECIAL PROVISIONS AND THE DESIGN AND CONSTRUCTION STANDARDS FOR WASTEWATER COLLECTION SYSTEMS DRAWING SD-5.

(2) "Pe" 153+37, 68' LT; "Pe" 154+82, 66' LT; "Pe" 154+92, 66' LT; "Pe" 156+57, 67' LT; "Pe" 159+69, 27' RT; "Pe" 159+73, 23' RT — ADJUST WATER VALVE BOX TO FINISH GRADE PER UDACS PLATE 39. VALVE SHALL BE ACCESSIBLE AT ALL TIMES.

(9) "Pe" 153+24.7, 69.6' LT; "Pe" 156+47.4, 67.7' LT — ADJUST WATER METER TO FINISH GRADE PER UDACS PLATE #4 AND SECTION 2.18. PROTECT EXISTING BACKFLOW PREVENTER AND PAD IN PLACE AT EXISTING ELEVATION. SIDEWALK TO BE ADJUSTED TO MATCH PAD OR ROUTED AROUND BACKFLOW PREVENTER.

(10) "Pe" 154+87.9, 73.8' LT; "Pe" 159+55.3, 62.0' RT — ADJUST EXISTING FIRE HYDRANT TO FINISHED GRADE PER UDACS PLATE #40, 41, AND SECTION 2.21.06.

POTHOLE LEGEND

XX POTHOLE NUMBER

POTHOLE LOCATION

40 20 0 40 80
GRAPHIC SCALE

POTHOLE NO.	UTILITY	TOP DEPTH	TOP ELEVATION	STATION	OFFSET
145	PWR	3.40	2180.87	158+18.50	68.84 LT
146	TEL	3.09	2181.02	158+11.84	64.34 LT
147	PWR	2.99	2179.69	159+52.50	68.30 LT
149	WATER	3.5	2178.75	159+79.59	87.43 RT
150	WATER	0.92	2181.46	159+79.60	90.30 RT
151	SL	1.23	2180.52	160+34.85	74.70 RT
152	6" STL GAS	2.91	2178.52	160+32.34	67.01 LT
155	FO	2.45	2178.05	162+04.58	63.49 LT
156	6" STL GAS	3.21	2177.71	162+06.38	69.63 LT
884	6" STL GAS	2.90	2176.64	163+75.70	66.68 LT
887	SL	2.55	2177.07	163+71.36	63.49 LT
10033	TS	1.29	2181.69	158+75.07	57.75 LT
10034	TS	2.26	2182.02	157+90.34	61.60 LT
10056	WTR	2.92	2179.52	159+55.84	71.95 RT
40521	WTR	3.25	N/A	155+19.27	68.45 LT

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call 811 or 1-800-227-2600

FAST Call before you UnderGround 1-702-432-5300 PRIMARY AND ARTERIAL SYSTEM OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

APPROVED FOR CONSTRUCTION:

Signature On File
LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER

PROJECT No. 116433 DATE 5/3/2011

APPROVAL OF THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR, OR AN APPROVAL OF, ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS.

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

CLARK COUNTY FIRE DEPARTMENT APPROVED:

Signature On File 5/3/2011
BY DATE

APPROVAL OF THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR OR AN APPROVAL OF ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

UTILITY PLAN

"Pe" 153+00 to "Pe" 165+00

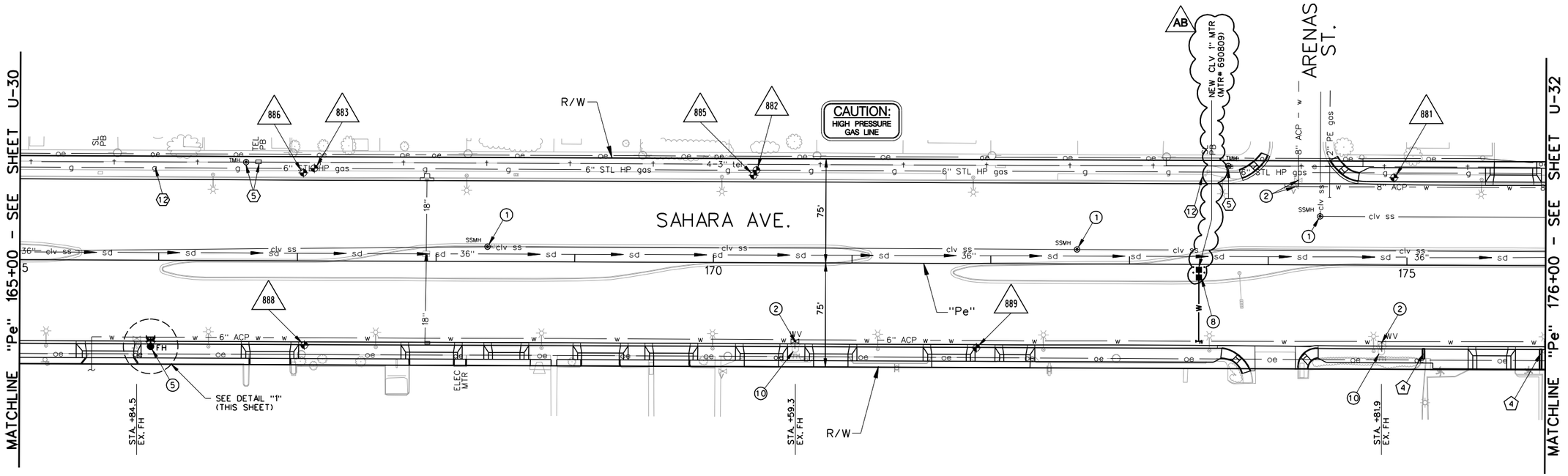
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: DM CHECKED BY: TC
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

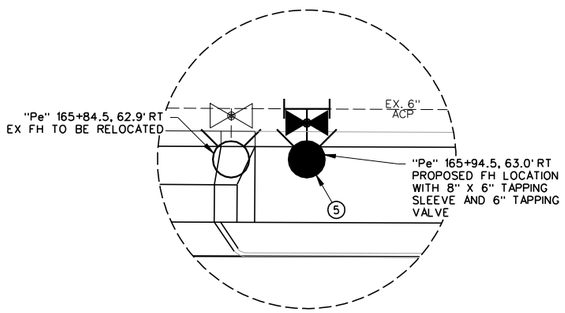
SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. U-30



DRY UTILITY ITEMS:

(5)	"Pe" 166+62.9. 71.3' LT "Pe" 166+72.4. 71.3' LT "Pe" 173+71.0. 70.8' LT	EXISTING TELEPHONE FACILITIES TO BE ADJUSTED BY CENTURYLINK.
(12)	"Pe" 165+74.5. 65.5' LT "Pe" 173+54.0. 63.7' LT	EXISTING GAS FACILITIES TO BE REMOVED.



DETAIL "1"
NTS

UTILITY CONSTRUCTION ITEMS:

(1)	"Pe" 168+37. 10' LT "Pe" 172+62. 10' LT "Pe" 174+37. 35' LT	ADJUST MANHOLE COVER TO FINISH GRADE PER SECTION 630 OF THE SPECIAL PROVISIONS AND THE DESIGN AND CONSTRUCTION STANDARDS FOR WASTEWATER COLLECTION SYSTEMS DRAWING SD-5.
(2)	"Pe" 170+59. 57' RT "Pe" 174+19. 57' LT "Pe" 174+21. 61' LT "Pe" 174+82. 56' RT	ADJUST WATER VALVE BOX TO FINISH GRADE PER UDACS PLATE 39. VALVE SHALL BE ACCESSIBLE AT ALL TIMES.
(5)	"Pe" 165+84.5. 62.9' RT TO "Pe" 165+94.5. 63.0' RT	FIRE HYDRANT RELOCATION AND LATERAL ABANDONMENT PER UDACS SECTION 2.21 AND LVVWD NOTES ON UN-1. PROVIDE 8"x 6" TAPPING SLEEVE WITH 6" TAPPING VALVE PER UDACS PLATE #34 AND SECTION 2.24. INSTALL FIRE HYDRANT ASSEMBLY PER UDACS PLATE #40. 41 AND SECTION 2.21.
(8)	"Pe" 173+50.0. 8.0' RT	INSTALL 1" WATER METER AND 1" RPPA FOR IRRIGATION WITH BOLLARDS PER UDACS PLATES 4. 8. AND 75 (SEE LANDSCAPE PLANS AND LVVWD NOTES ON UN-1).
(10)	"Pe" 170+59.3. 62.2' RT "Pe" 174+81.9. 62.3' RT	ADJUST EXISTING FIRE HYDRANT TO FINISH GRADE PER UDACS PLATE #40. 41 AND UDACS SECTION 2.21.06.

STORM DRAIN CONSTRUCTION ITEMS:

(4)	"Pe" 175+12.2. 59.9' RT "Pe" 175+96.7. 60.0' RT	REMOVE EXISTING SIDEWALK DRAIN. CONSTRUCT SIDEWALK DRAIN (SEE DETAIL "G" SHEET SD-4).

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

40 20 0 40 80
GRAPHIC SCALE

POTHOLE LEGEND

XX POTHOLE NUMBER

POTHOLE LOCATION

POTHOLE NO.	UTILITY	TOP DEPTH	TOP ELEVATION	STATION	OFFSET
881	SL	2.29	2164.89	174+90.41	63.13 LT
882	6" STL GAS	2.85	2168.54	170+30.76	66.66 LT
883	6" STL GAS	2.48	2172.55	167+12.01	66.68 LT
885	SL	1.85	2169.22	170+28.73	62.99 LT
886	SL	2.25	2170.28	167+04.14	63.49 LT
888	SL	1.27	2173.72	167+05.28	60.85 RT
889	SL	1.04	2168.64	171+89.80	60.77 RT

Call 811 or 1-800-227-2600
FAST Call before you UnderGround 1-702-432-5300 PRIMARY AND ARTERIAL SYSTEM OF TRANSPORTATION
CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

APPROVED FOR CONSTRUCTION:

Signature On File
LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER

PROJECT No. 116433 DATE 5/3/2011

APPROVAL OF THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR, OR AN APPROVAL OF, ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS.

CLARK COUNTY FIRE DEPARTMENT APPROVED:

Signature On File 5/3/2011
BY DATE

APPROVAL OF THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR OR AN APPROVAL OF ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

UTILITY PLAN

"Pe" 165+00 to "Pe" 176+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: DM CHECKED BY: TC
APPROVED BY RJP

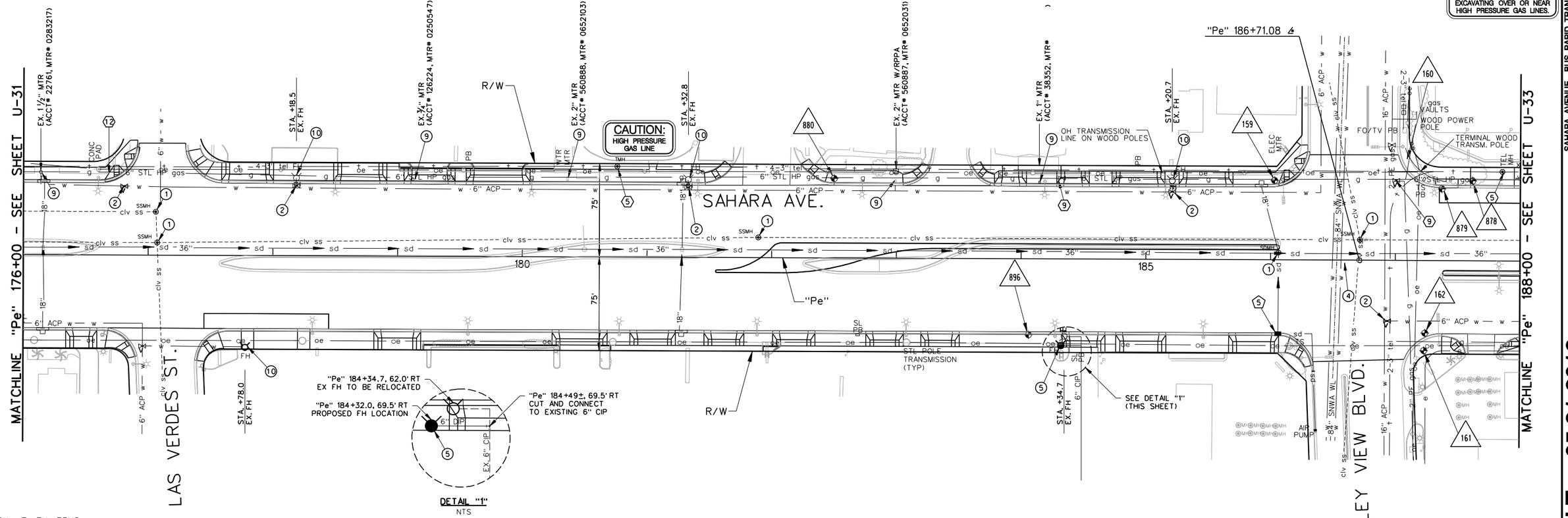
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No.
U-31
Sheet 183 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012



DRY UTILITY ITEMS:

(5)	"Pe" 180+75.8, 72.6' LT "Pe" 187+85.1, 71.0' LT	EXISTING TELEPHONE FACILITIES TO BE ADJUSTED BY CENTURYLINK.
(9)	"Pe" 184+37.4, 64.2' LT "Pe" 187+00.4, 64.1' LT (EV)	EXISTING GAS FACILITIES TO BE ADJUSTED BY SOUTHWEST GAS CORPORATION. (EV) ESSENTIAL VALVE MUST BE ACCESSIBLE THROUGHOUT CONSTRUCTION.
(12)	"Pe" 176+69.8, 72.3' LT	EXISTING GAS FACILITIES TO BE REMOVED.

UTILITY CONSTRUCTION ITEMS:

(1)	"Pe" 177+06, 35' LT "Pe" 177+08, 10' LT "Pe" 181+89, 16' LT "Pe" 186+72, 16' LT "Pe" 186+06, 6' LT	ADJUST MANHOLE COVER TO FINISH GRADE PER SECTION 630 OF THE SPECIAL PROVISIONS AND THE DESIGN AND CONSTRUCTION STANDARDS FOR WASTEWATER COLLECTION SYSTEMS DRAWING SD-5.
(2)	"Pe" 176+81, 55' LT "Pe" 178+18, 56' LT "Pe" 181+33, 56' LT "Pe" 185+21, 54' LT "Pe" 186+93, 50' RT	ADJUST WATER VALVE BOX TO FINISH GRADE PER UDACS PLATE 39. VALVE SHALL BE ACCESSIBLE AT ALL TIMES.
(4)	"Pe" 186+53.5, 0.3' RT	ADJUST SNWA MONUMENT TO FINISH GRADE PER DETAIL AA. INSTALL MONUMENT IN TRAFFIC RATED BOX AND STENCIL 'SNWA' ON COVER AS NOTED. (SEE SHEET U-52 FOR DETAIL).
(5)	"Pe" 184+34.7, 62.0' RT TO "Pe" 184+32.0, 69.5' RT	RELOCATE EXISTING FIRE HYDRANT PER UDACS SECTION 2.21.06. AND UDACS PLATE NO. 40. (SEE LVVWD NOTES ON UN-1).
(9)	"Pe" 176+13.7, 61.6' LT "Pe" 179+12.3, 61.7' LT "Pe" 180+36.0, 62.3' LT "Pe" 182+99.0, 62.2' LT "Pe" 184+14.5, 61.5' LT	ADJUST WATER METER TO FINISH GRADE PER UDACS PLATE #4 AND SECTION 2.18. PROTECT EXISTING BACKFLOW PREVENTER AND PAD IN PLACE AT EXISTING ELEVATION. SIDEWALK TO BE ADJUSTED TO MATCH PAD OR ROUTED AROUND BACKFLOW PREVENTER.
(10)	"Pe" 177+78.0, 73.7' RT "Pe" 178+18.5, 62.6' LT "Pe" 181+32.8, 62.4' LT "Pe" 185+20.7, 63.0' LT	ADJUST EXISTING FIRE HYDRANT TO FINISH GRADE PER UDACS PLATE #40. 41 AND UDACS SECTION 2.21.06.

STORM DRAIN CONSTRUCTION ITEMS:

(5)	"Pe" 186+06.0, 59.4' RT	CONSTRUCT NDOT TYPE 2 DROP INLET. SIZE FOR 36" RCP. CONNECT TO EXISTING STORM DRAIN PIPE. REMOVE EXISTING DROP INLET. CONSTRUCT INLET CURB (SEE DETAIL SHEET SD-4).

SNWA CONSTRUCTION NOTES:

CONTRACTOR SHALL FIELD LOCATE AND PROTECT ALL SNWA/SNWS APPURTENANCES INCLUDING, BUT NOT LIMITED TO AVAR, ACCESS MANWAYS AND CATHODIC PROTECTION SYSTEMS. ALL ABOVE GROUND STRUCTURES AND AT GRADE STRUCTURES MUST BE ADJUSTED TO NEW GRADE AT CONTRACTORS EXPENSE. CATHODIC PROTECTION TEST STATIONS, RECTIFIERS, AND AVAR'S MUST BE RELOCATED TO THE SIDEWALK PER SNWA STANDARDS AND AT THE CONTRACTORS EXPENSE. CONTRACTOR TO NOTIFY SOUTHERN NEVADA WATER AUTHORITY, DEVELOPMENT PLAN REVIEW, AT (702) 862-3444 AT LEAST 48 HOURS PRIOR TO CONSTRUCTION ACTIVITY.

THIS DATA MAY BE BASED ON THE NATIONAL GEODETIC VERTICAL DATUM OF 1929 . IT IS THE ENGINEER'S RESPONSIBILITY TO ENSURE THAT THIS DATA IS CONVERTED TO THE APPROPRIATE DATUM BEFORE USING SAID DATA.

POTHOLE LEGEND

XX POTHOLE NUMBER

POTHOLE LOCATION

POTHOLE NO.	UTILITY	TOP DEPTH	TOP ELEVATION	STATION	OFFSET
159	6" STL GAS	5.20	2154.23	186+03.04	63.62 LT
160	FO	0.64	2157.36	187+09.04	78.62 LT
161	PWR	4.65	2152.41	187+23.11	72.31 RT
162	2" PE GAS	4.46	2151.81	187+23.95	58.25 RT
878	6" STL GAS	3.83	2152.97	187+61.71	64.06 LT
879	TS	1.25	2159.25	187+37.06	57.50 LT
880	6" STL GAS	4.24	2156.54	182+49.89	63.78 LT
896	SL	1.30	2157.87	184+06.10	60.93 RT

40 20 0 40 80
GRAPHIC SCALE

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S CODE! Call 811 or 1-800-227-2600

FAST Call before you UnderGround 1-702-432-5300 FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. IT'S CODE! CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

APPROVED FOR CONSTRUCTION:

Signature On File
LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER

PROJECT No. 116433 DATE 5/3/2011

APPROVAL OF THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR, OR AN APPROVAL OF, ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS.

APPROVED BY:

Signature On File 3/3/2011
SOUTHERN NEVADA WATER AUTHORITY DATE

SNWA APPROVAL IS VALID FOR ONE (1) YEAR FROM THE SIGNATURE DATE. IF CONSTRUCTION WITHIN THE EASEMENT OR RESTRICTED PIPE SAFETY ZONE IS NOT COMPLETE, PLANS MUST BE RESUBMITTED TO SNWA FOR APPROVAL.

CLARK COUNTY FIRE DEPARTMENT APPROVED:

Signature On File 5/3/2011
BY DATE

APPROVAL OF THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR OR AN APPROVAL OF ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS.

REV. NO.	DATE	DESCRIPTION	APPROVED
	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

UTILITY PLAN

"Pe" 176+00 to "Pe" 188+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: DM CHECKED BY: TC
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-8632 • FAX (702) 736-0704

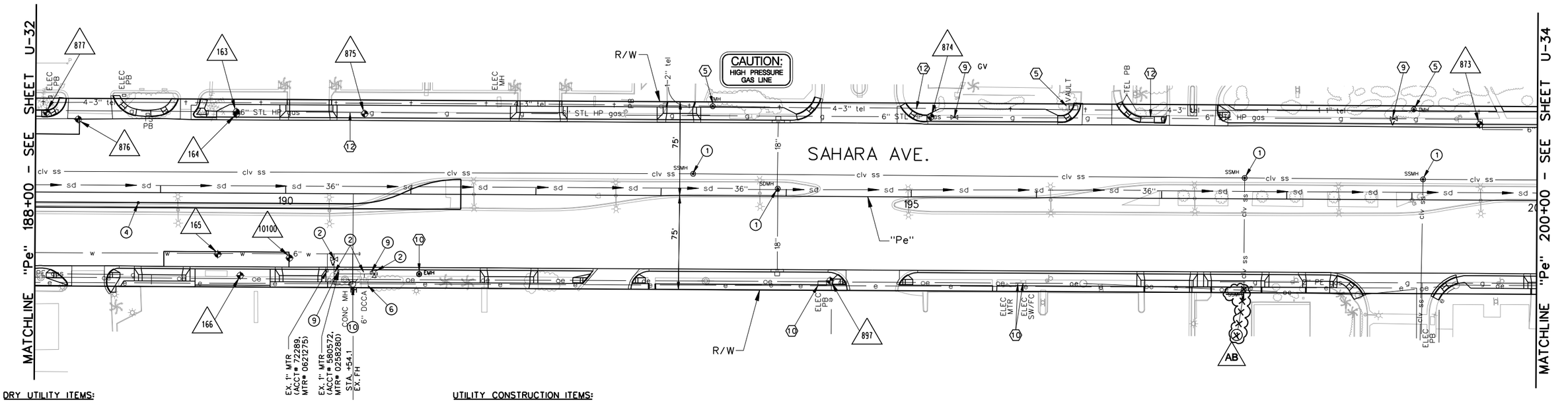
SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. U-32

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

CAUTION:
HIGH PRESSURE GAS LINE.
CONTRACTOR TO CALL SOUTHWEST GAS AT 365-2296 FOR STANDBY WHEN EXCAVATING OVER OR NEAR HIGH PRESSURE GAS LINES.



DRY UTILITY ITEMS:

(5)	"Pe" 193+40.9. 71.5' LT "Pe" 196+29.0. 71.7' LT "Pe" 199+01.0. 72.0' LT	EXISTING TELEPHONE FACILITIES TO BE ADJUSTED BY CENTURYLINK.
(9)	"Pe" 195+34.2. 63.9' LT (EV) "Pe" 198+85.5. 64.5' LT (EV)	EXISTING GAS FACILITIES TO BE ADJUSTED BY SOUTHWEST GAS CORPORATION. (EV) ESSENTIAL VALVE MUST BE ACCESSIBLE THROUGHOUT CONSTRUCTION.
(10)	"Pe" 191+07.0. 63.9' RT "Pe" 194+29.4. 69.3' RT "Pe" 195+85.6. 68.7' RT "Pe" 195+89.6. 67.8' RT	EXISTING ELECTRIC FACILITIES TO BE PROTECTED IN PLACE.
(12)	"Pe" 190+37.3. 66.3' LT "Pe" 195+08.6. 66.5' LT "Pe" 196+86.6. 65.8' LT	EXISTING GAS FACILITIES TO BE REMOVED.

UTILITY CONSTRUCTION ITEMS:

(1)	"Pe" 193+26. 18' LT "Pe" 197+56. 17' LT "Pe" 199+09. 16' LT "Pe" 193+92. 6' LT	ADJUST MANHOLE COVER TO FINISH GRADE PER SECTION 630 OF THE SPECIAL PROVISIONS AND THE DESIGN AND CONSTRUCTION STANDARDS FOR WASTEWATER COLLECTION SYSTEMS DRAWING SD-5.
(2)	"Pe" 190+39. 52' RT "Pe" 190+39. 63' RT "Pe" 190+64. 64' RT "Pe" 190+71. 62' RT	ADJUST WATER VALVE BOX TO FINISH GRADE PER UDACS PLATE 39. VALVE SHALL BE ACCESSIBLE AT ALL TIMES.
(6)	"Pe" 190+63.7. 68.5' RT	ADJUST WATER VAULT TO FINISH GRADE PER UDACS SHEET C-475. SEE NOTE 17 ON UN-1.
(9)	"Pe" 190+33.7. 61.6' RT "Pe" 190+42.4. 62.1' RT "Pe" 190+68.8. 63.2' RT	ADJUST WATER METER TO FINISH GRADE PER UDACS PLATE #4 AND SECTION 2.18. PROTECT EXISTING BACKFLOW PREVENTER AND PAD IN PLACE AT EXISTING ELEVATION. SIDEWALK TO BE ADJUSTED TO MATCH PAD OR ROUTED AROUND BACKFLOW PREVENTER.
(10)	"Pe" 190+54.1. 71.9' RT	ADJUST EXISTING FIRE HYDRANT TO FINISH GRADE PER UDACS PLATE #40. 41 AND UDACS SECTION 2.21.06.
(4)	"Pe" 188+81. 6' RT	ADJUST MONITERING WELL TO FINISH GRADE.

POTHOLE LEGEND

XX POTHOLE NUMBER

POTHOLE LOCATION

40 20 0 40 80
GRAPHIC SCALE

POTHOLE NO.	UTILITY	TOP DEPTH	TOP ELEVATION	STATION	OFFSET
163	GAS	3.92	2150.89	189+60.28	64.83 LT
164	FO	2.80	2151.77	189+60.39	63.18 LT
165	WATER	3.37	2150.97	189+46.06	48.93 RT
166	PWR	2.97	2151.37	189+64.05	65.79 RT
873	6" STL GAS	3.51	2135.63	199+53.85	60.41 LT
874	6" STL GAS	2.58	2152.51	195+15.27	63.96' LT
875	6" STL GAS	3.78	2149.75	190+62.82	63.94 LT
876	TS	1.41	2154.51	188+34.02	58.22 LT
877	6" STL GAS	3.89	2152.73	188+08.54	63.72 LT
897	PWR	2.70	2144.91	194+35.45	67.23 RT
10100	WATER	3.33	2150.01	190+03.40	51.56 RT

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call 811 OR 1-800-227-2600

FAST Call before you UnderGround 1-702-432-5300 TRUCKEE MEADOWS REGIONAL SYSTEM OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

APPROVED FOR CONSTRUCTION:

Signature On File
LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER

PROJECT No. 116433 DATE 5/3/2011

APPROVAL OF THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR, OR AN APPROVAL OF, ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS.

AS-BUILT
Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

CLARK COUNTY FIRE DEPARTMENT APPROVED:

Signature On File BY 5/3/2011 DATE

APPROVAL OF THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR OR AN APPROVAL OF ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
UTILITY PLAN
"Pe" 188+00 to "Pe" 200+00
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: DM CHECKED BY: TC
APPROVED BY RJP

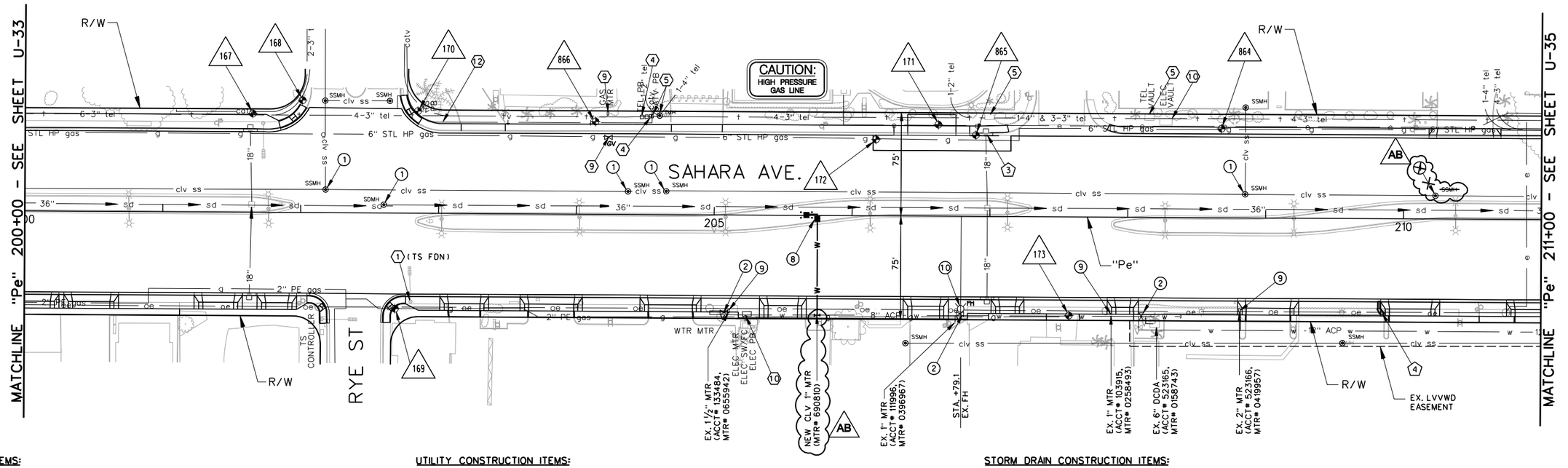
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. U-33

AS - BUILT - 05.31.2012

CAUTION:
HIGH PRESSURE GAS LINE.
CONTRACTOR TO CALL SOUTHWEST GAS AT 365-2296 FOR STANDBY WHEN EXCAVATING OVER OR NEAR HIGH PRESSURE GAS LINES.



DRY UTILITY ITEMS:

(1)	"Pe" 202+86.1, 65.3' RT	EXISTING GAS FACILITIES TO BE RELOCATED BY SOUTHWEST GAS CORPORATION.
(4)	"Pe" 204+40.0, 70.0' LT "Pe" 204+54.2, 71.0' LT	EXISTING CATV FACILITIES TO BE ADJUSTED BY COX COMMUNICATIONS.
(5)	"Pe" 204+47.2, 70.8' LT "Pe" 204+54.8, 70.8' LT "Pe" 204+60.0, 71.8' LT "Pe" 206+99.7, 70.3' LT "Pe" 208+15.0, 72.5' LT	EXISTING TELEPHONE FACILITIES TO BE ADJUSTED BY CENTURYLINK.
(9)	"Pe" 204+22.5, 73.0' LT "Pe" 204+22.7, 55.9' LT (EV)	EXISTING GAS FACILITIES TO BE ADJUSTED BY SOUTHWEST GAS CORPORATION. (EV) ESSENTIAL VALVE MUST BE ACCESSIBLE THROUGHOUT CONSTRUCTION.
(10)	"Pe" 205+24.0, 71.8' RT "Pe" 208+29.4, 69.0' LT	EXISTING ELECTRIC FACILITIES TO BE PROTECTED IN PLACE.
(12)	"Pe" 202+68.8, 69.4' RT "Pe" 203+00.9, 66.1' LT	EXISTING GAS FACILITIES TO BE REMOVED.

UTILITY CONSTRUCTION ITEMS:

(1) AB	"Pe" 202+18, 17' LT "Pe" 204+38, 17' LT "Pe" 204+65, 17' LT "Pe" 208+85, 17' LT ~~"Pe" 210+23, 17' LT~~ "Pe" 202+60, 6' LT	ADJUST MANHOLE COVER TO FINISH GRADE PER SECTION 630 OF THE SPECIAL PROVISIONS AND THE DESIGN AND CONSTRUCTION STANDARDS FOR WASTEWATER COLLECTION SYSTEMS DRAWING SD-5.
(2)	"Pe" 205+08, 71' RT "Pe" 206+79, 71' RT "Pe" 208+13, 74' RT	ADJUST WATER VALVE BOX TO FINISH GRADE PER UDACS PLATE 39. VALVE SHALL BE ACCESSIBLE AT ALL TIMES.
(8)	"Pe" 205+75.0, 1.0' RT	INSTALL 1" METER AND 1" RPPA FOR IRRIGATION WITH BOLLARDS PER UDACS PLATES 4, 8, & 75. (SEE LANDSCAPE PLANS AND LVVWD NOTES ON UN-1).
(9)	"Pe" 205+10.7, 69.8' RT "Pe" 207+88.2, 71.6' RT "Pe" 208+81.1, 69.3' RT	ADJUST WATER METER TO FINISH GRADE PER UDACS PLATE #4 AND SECTION 2.18. PROTECT EXISTING BACKFLOW PREVENTER AND PAD IN PLACE AT EXISTING ELEVATION. SIDEWALK TO BE ADJUSTED TO MATCH PAD OR ROUTED AROUND BACKFLOW PREVENTER.
(10)	"Pe" 206+79.1, 67.3' RT	ADJUST EXISTING FIRE HYDRANT TO FINISH GRADE PER UDACS PLATE #40, 41 AND UDACS SECTION 2.21.06.

STORM DRAIN CONSTRUCTION ITEMS:

(3)	"Pe" 206+96.5, 59.5' LT	ADJUST DROP INLET TO FINISHED GRADE.
(4)	"Pe" 209+82.5, 59.8' RT	CONSTRUCT SIDEWALK DRAIN (SEE DETAIL "G" SHEET SD-4). INSTALL 5 LF OF U-CHANNEL (SEE DETAIL SHEET SD-13). REMOVE EXISTING SIDEWALK DRAIN.

40 20 0 40 80
GRAPHIC SCALE

POTHOLE LEGEND

XX POTHOLE NUMBER

POTHOLE LOCATION

POTHOLE NO.	UTILITY	TOP DEPTH	TOP ELEVATION	STATION	OFFSET
167	FO	2.77	2133.33	201+64.97	71.69 LT
168	FO	2.22	2132.02	202+00.99	81.53 LT
169	2" PE GAS	4.86	2128.12	202+68.78	69.37 RT
170	FO	1.00	2131.68	202+84.75	74.06 LT
171	FO	1.73	2116.31	206+62.27	66.40 LT
172	6" STL GAS	3.93	2116.15	206+17.02	55.43 LT
173	2" PE GAS	3.56	2111.35	207+57.59	71.58 RT
864	6" STL GAS	3.33	2106.58	208+67.67	64.58 LT
865	6" STL GAS	3.41	2113.2	206+89.5	58.93 LT
866	FO	1.45	2127.70	204+13.57	67.23 LT

Call 811 OR 1-800-227-2600
FAST Call before you UnderGround 1-702-432-5300
CALL BEFORE YOU DIG OVERHEAD 1-702-227-2929

APPROVED FOR CONSTRUCTION:

Signature On File
LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER

PROJECT No. 116433 DATE 5/3/2011

APPROVAL OF THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR, OR AN APPROVAL OF, ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS.

AS-BUILT
Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

CLARK COUNTY FIRE DEPARTMENT APPROVED:

Signature On File 5/3/2011
BY DATE

APPROVAL OF THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR OR AN APPROVAL OF ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

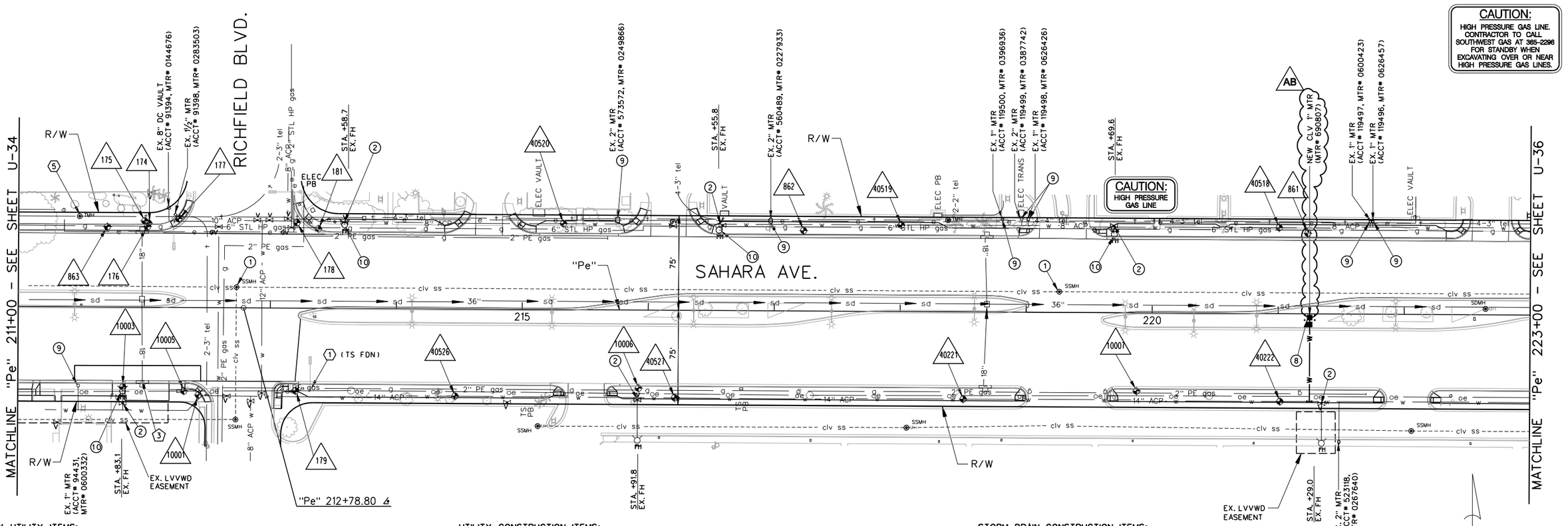
SAHARA AVENUE BUS RAPID TRANSIT PROJECT
UTILITY PLAN
"Pe" 200+00 to "Pe" 211+00
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: DM CHECKED BY: TC
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-8632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. U-34
Sheet 186 of 592



SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

DRY UTILITY ITEMS:

①	"Pe" 213+38.1, 63.8' RT	EXISTING GAS FACILITY TO BE RELOCATED BY SOUTHWEST GAS CORPORATION.
⑤	"Pe" 211+48.6, 71.9' LT	EXISTING TELEPHONE FACILITIES TO BE ADJUSTED BY CENTURYLINK.

UTILITY CONSTRUCTION ITEMS:

①	"Pe" 212+73, 17' LT "Pe" 219+27, 17' LT	ADJUST MANHOLE COVER TO FINISH GRADE PER SECTION 630 OF THE SPECIAL PROVISIONS AND THE DESIGN AND CONSTRUCTION STANDARDS FOR WASTEWATER COLLECTION SYSTEMS DRAWING SD-5.
②	"Pe" 213+51, 69' LT "Pe" 213+58, 69' LT "Pe" 215+92, 71' RT "Pe" 216+58, 68' LT "Pe" 219+69, 69' LT "Pe" 221+35, 71' RT	ADJUST WATER VALVE BOX TO FINISH GRADE PER UDACS PLATE 39. VALVE SHALL BE ACCESSIBLE AT ALL TIMES.
⑧	"Pe" 221+25.0, 3.0' RT	INSTALL 1" METER AND 1" RPPA FOR IRRIGATION WITH BOLLARDS PER UDACS PLATES 4.8, AND 75. (SEE LANDSCAPE PLANS AND LVVWD NOTE ON SHEET UN-1).
⑨	"Pe" 211+47.7, 62.6' RT "Pe" 215+75.4, 71.7' LT "Pe" 216+96.5, 71.4' LT "Pe" 218+80.0, 72.0' LT "Pe" 218+96.0, 71.0' LT "Pe" 219+01.2, 73.6' LT "Pe" 221+72.5, 73.2' LT "Pe" 221+74.6, 73.2' LT	ADJUST WATER METER TO FINISH GRADE PER UDACS PLATE #4 AND SECTION 2.18. PROTECT EXISTING BACKFLOW PREVENTER AND PAD IN PLACE AT EXISTING ELEVATION. SIDEWALK TO BE ADJUSTED TO MATCH PAD OR ROUTED AROUND BACKFLOW PREVENTER.
⑩	"Pe" 211+83.1, 66.7' RT "Pe" 216+55.8, 63.1' LT "Pe" 219+69.6, 62.0' LT "Pe" 213+58.7, 67.1' LT	ADJUST EXISTING FIRE HYDRANT TO FINISH GRADE PER UDACS PLATE #40. 41 AND UDACS SECTION 2.21.06.

STORM DRAIN CONSTRUCTION ITEMS:

③	"Pe" 211+99.0, 59.5' RT	ADJUST DROP INLET TO FINISHED GRADE.

POTHOLE LEGEND

XX POTHOLE NUMBER

POTHOLE LOCATION

POTHOLE NO.	UTILITY	TOP DEPTH	TOP ELEVATION	STATION	OFFSET
174	FO	2.67	2099.34	212+03.08	66.67 LT
175	PWR	4.03	2098.37	212+00.40	68.45 LT
176	6" STL GAS	2.20	2100.05	212+02.27	63.98 LT
178	PWR	2.88	2098.55	213+20.80	67.72 LT
179	TS	2.70	2098.55	213+20.32	65.63 RT
181	6" STL GAS	2.10	2099.16	213+37.84	62.89 LT
861	6' STL GAS	2.64	2091.35	221+23.17	63.82 LT
862	6" STL GAS	2.92	2094.77	217+23.0	63.7 LT
863	6' STL GAS	2.26	2100.12	211+70.4	63.7 LT
10001	PWR	1.42	2100.65	212+43.30	69.37 RT
10003	WATER	4.82	2097.69	211+83.26	63.35 RT
10005	PWR	2.74	2099.26	212+31.78	66.28 RT
10006	2" PE GAS	1.74	2096.42	215+92.59	62.02 RT
10007	TS	2.07	2092.94	219+87.88	62.11 RT
40518	WATER	4.67	N/A	221+00.5	68.16 LT
40519	WATER	3.67	N/A	218+00.6	68.48 LT
40520	WATER	4.42	N/A	215+32.34	68.15 LT
40221	WATER	4.17	N/A	218+50.3	69.20 RT
40222	WATER	4.25	N/A	221+01.7	69.70 RT
40526	WATER	3.58	N/A	214+46.96	69.05 RT
40527	WATER	3.25	N/A	216+21.27	69.45 RT

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call 811 or 1-800-227-2600
FAST Call before you UnderGround 1-702-432-5300 FREEWAY AND ARTERIAL SYSTEMS OF TRANSPORTATION
AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

APPROVED FOR CONSTRUCTION:

Signature On File
LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER

PROJECT No. 116433 DATE 5/3/2011

APPROVAL OF THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR, OR AN APPROVAL OF, ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS.

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

CLARK COUNTY FIRE DEPARTMENT APPROVED:

Signature On File 5/3/2011
BY DATE

APPROVAL OF THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR OR AN APPROVAL OF ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

UTILITY PLAN

"Pe" 211+00 to "Pe" 223+00

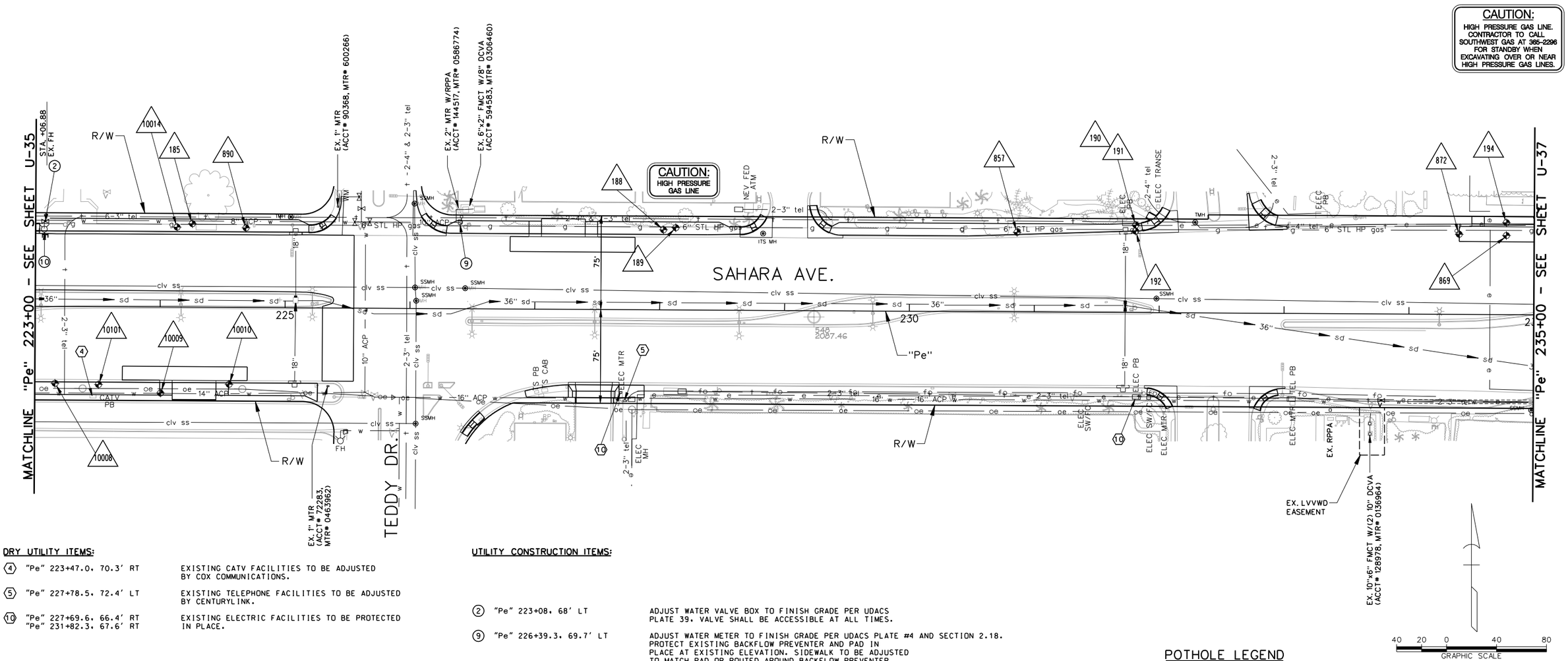
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: DM CHECKED BY: TC
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-8632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. U-35



DRY UTILITY ITEMS:

④	"Pe" 223+47.0, 70.3' RT	EXISTING CATV FACILITIES TO BE ADJUSTED BY COX COMMUNICATIONS.
⑤	"Pe" 227+78.5, 72.4' LT	EXISTING TELEPHONE FACILITIES TO BE ADJUSTED BY CENTURYLINK.
⑩	"Pe" 227+69.6, 66.4' RT "Pe" 231+82.3, 67.6' RT	EXISTING ELECTRIC FACILITIES TO BE PROTECTED IN PLACE.

UTILITY CONSTRUCTION ITEMS:

②	"Pe" 223+08, 68' LT	ADJUST WATER VALVE BOX TO FINISH GRADE PER UDACS PLATE 39. VALVE SHALL BE ACCESSIBLE AT ALL TIMES.
⑨	"Pe" 226+39.3, 69.7' LT	ADJUST WATER METER TO FINISH GRADE PER UDACS PLATE #4 AND SECTION 2.18. PROTECT EXISTING BACKFLOW PREVENTER AND PAD IN PLACE AT EXISTING ELEVATION. SIDEWALK TO BE ADJUSTED TO MATCH PAD OR ROUTED AROUND BACKFLOW PREVENTER.
⑩	"Pe" 223+06.6, 62.0' LT	ADJUST EXISTING FIRE HYDRANT TO FINISH GRADE PER UDACS PLATE #40, 41 AND UDACS SECTION 2.21.06.

POTHOLE LEGEND

XX POTHOLE NUMBER

POTHOLE LOCATION

POTHOLE NO.	UTILITY	TOP DEPTH	TOP ELEVATION	STATION	OFFSET
185	WATER	1.62	2191.95	224+25.46	66.88 LT
188	6" STL GAS	1.67	2083.3	228+02.7	64.08 LT
189	FO	4.09	2084.14	228+12.55	65.83 LT
190	TEL	3.75	2079.37	231+80.9	70.08 LT
191	PWR	3.16	2079.96	231+80.9	70.02 LT
192	6" STL GAS	2.67	2080.09	231+80.79	65.21 LT
194	FO	4.50	2074.83	234+77.7	73.62 LT
857	6" STL GAS	3.93	2080.6	230+85.9	63.72 LT
869	E VAULT	3.47	2075.80	234+77.70	63.34 LT
872	6" STL GAS	2.92	2077.35	234+39.9	64.09 LT
890	6" STL GAS	2.33	2088.46	224+68.4	63.75 LT
10008	TS	1.73	2090.42	223+16.16	61.52 RT
10009	WATER	4.21	2087.34	224+00.66	68.82 RT
10010	TS	1.73	2089.03	224+55.49	61.55 RT
10101	FO	2.83	2088.82	223+50.97	62.32 RT
10014	GAS	1.87	2089.2	224+13.24	64.02 LT

Call 811 or 1-800-227-2600 — FAST Call before you UnderGround 1-702-432-5300 — Call Before You Dig Overhead 1-702-227-2929

APPROVED FOR CONSTRUCTION:

Signature On File
LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER

PROJECT No. 116433 DATE 5/3/2011

APPROVAL OF THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR, OR AN APPROVAL OF, ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS.

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

CLARK COUNTY FIRE DEPARTMENT APPROVED:

Signature On File BY 5/3/2011 DATE

APPROVAL OF THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR OR AN APPROVAL OF ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS.

REV. NO.	DATE	DESCRIPTION	APPROVED
A	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

UTILITY PLAN

"Pe" 223+00 to "Pe" 235+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: DM CHECKED BY: TC
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. U-36

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY.
Call 811 or 1-800-227-2600

FAST
Call before you UnderGround
1-702-432-5300
FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY.
CALL BEFORE YOU DO OVERHEAD
1-702-227-2929

CAUTION:
HIGH PRESSURE GAS LINE. CONTRACTOR TO CALL SOUTHWEST GAS AT 365-2296 FOR STANDBY WHEN EXCAVATING OVER OR NEAR HIGH PRESSURE GAS LINES.

DRY UTILITY ITEMS:

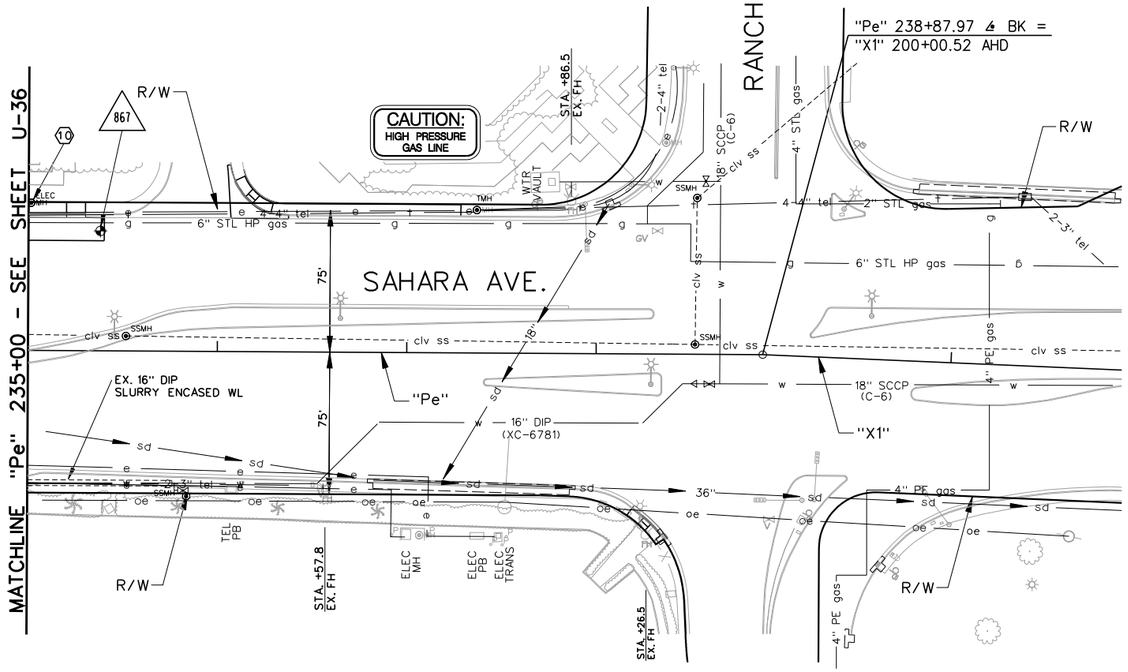
(10) "Pe" 235+01. 78.4' LT — EXISTING ELECTRIC FACILITIES TO BE PROTECTED IN PLACE.

POTHOLE LEGEND

XX POTHOLE NUMBER

POTHOLE LOCATION

POTHOLE NO.	UTILITY	TOP DEPTH	TOP ELEVATION	STATION	OFFSET
842	TS	0.88	2040.18	244+62.5	41.96 LT
845	6" STL GAS	1.5	2039.7	244+42.4	44.85 LT
847	6" STL GAS	3.44	2047.06	231+98.3	32.5 LT
848	TS	1.12	2048.92	231+95.2	42.2 LT
849	SL	2.10	2048.55	231+61.8	47.1 LT
850	SL	1.86	2049.06	231+17.0	47.5 LT
851	6" STL GAS	3.87	2047.37	231+01.2	32.5 LT
852	TS	1.19	2049.51	230+97.8	41.8 LT
867	6" STL GAS	3.02	2075.83	235+37.98	63.34 LT



AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

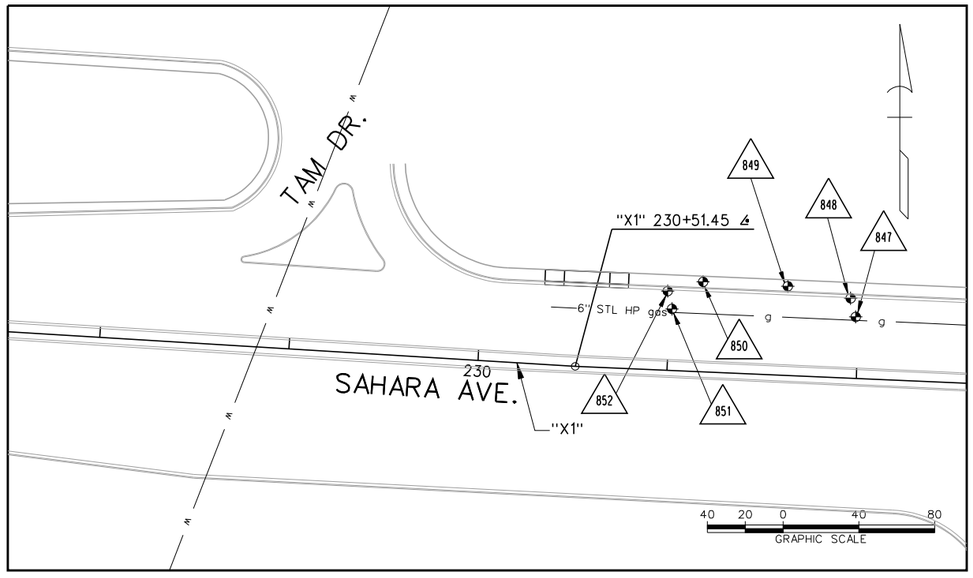
40 20 0 40 80
GRAPHIC SCALE

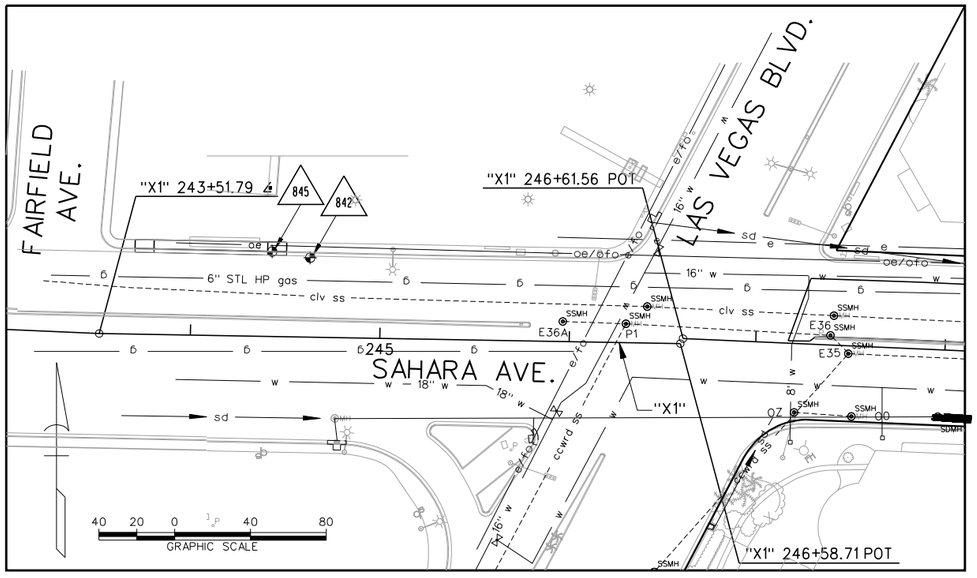
APPROVED FOR CONSTRUCTION:

Signature On File
LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER

PROJECT No. 116433 DATE 5/3/2011

APPROVAL OF THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR, OR AN APPROVAL OF, ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS.





REV. NO.	DATE	DESCRIPTION	APPROVED
	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
UTILITY PLAN
"Pe" 235+00 to "Pe" 238+87.96
"X1" 227+50 to "X1" 232+50 and "X1" 243+00 to "X1 248+00
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

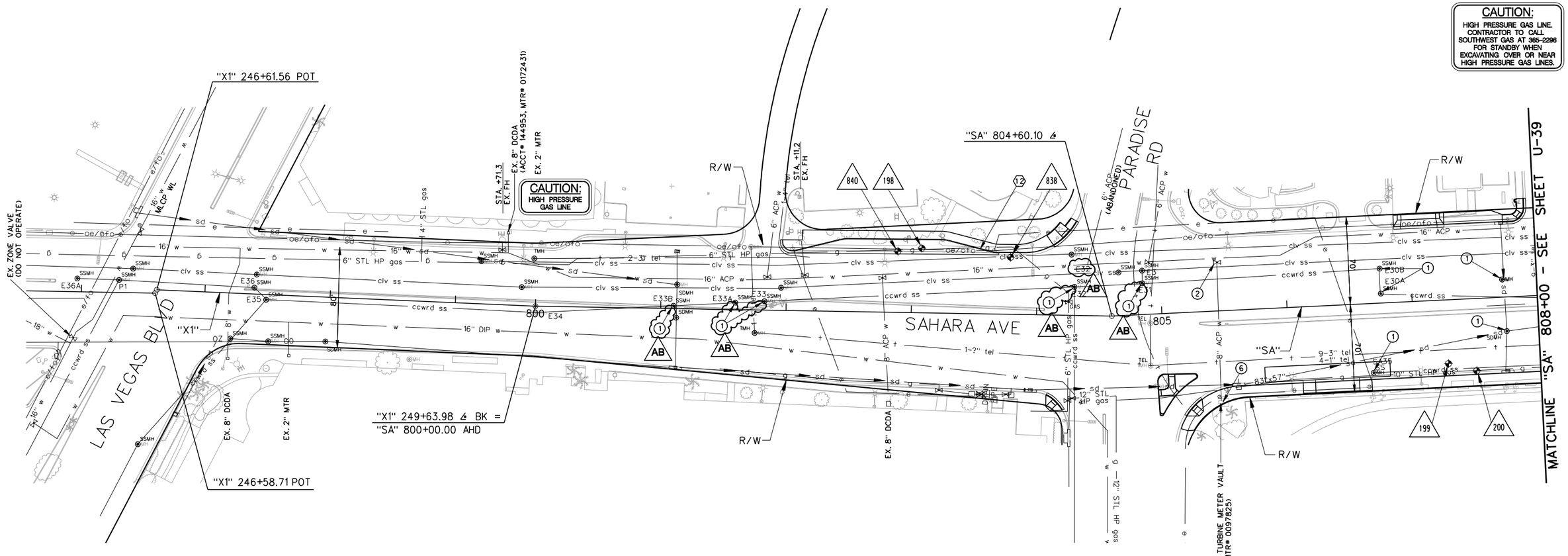
PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: DM CHECKED BY: TC
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. U-37
Sheet 189 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT
AS - BUILT - 05.31.2012



SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

DRY UTILITY ITEMS:

⑫ "SA" 803+50.0. 52.0' LT — EXISTING GAS FACILITIES TO BE REMOVED.

UTILITY CONSTRUCTION ITEMS:

① AB
"SA" 801+10. 2' LT
"SA" 801+59. 6' LT
"SA" 801+83. 7' LT
"SA" 804+30. 22' LT
"SA" 804+86. 24' LT
"SA" 806+67. 55' RT
"SA" 806+75. 27' LT
"SA" 806+75. 7' LT
"SA" 807+73. 14' LT
"SA" 807+74. 27' RT
— ADJUST MANHOLE COVER TO FINISH GRADE PER SECTION 630 OF THE SPECIAL PROVISIONS AND THE DESIGN AND CONSTRUCTION STANDARDS FOR WASTEWATER COLLECTION SYSTEMS DRAWING SD-5.

② "SA" 805+46. 39' LT — ADJUST WATER VALVE BOX TO FINISH GRADE PER UDACS PLATE 39. VALVE SHALL BE ACCESSIBLE AT ALL TIMES.

⑥ "SA" 805+45. 75' RT — ADJUST WATER VAULT TO FINISH GRADE PER UDACS SHEET C-475 AND LVVWD NOTE 17 ON SHEET UN-1.

POTHOLE LEGEND

XX POTHOLE NUMBER

POTHOLE LOCATION

40 20 0 40 80
GRAPHIC SCALE

POTHOLE NO.	UTILITY	TOP DEPTH	TOP ELEVATION	STATION	OFFSET
198	SL	0.86	2036.69	803+07.52	51.48 LT
199	TEL	1.20	2032.10	807+26.62	50.83 RT
200	10" STL GAS	4.77	2028.12	807+48.88	57.66 RT
838	PWR	2.59	2033.12	803+78.50	45.48 LT
840	6" STL GAS	3.83	2033.06	802+95.37	49.12 LT
840	2" UNKNOWN	0.79	2036.10	802+96.43	49.23 LT
840	TS	0.81	2036.08	802+96.43	48.78 LT

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

Call 811 or 1-800-227-2600 — AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S CONTROL.

FAST Call before you UnderGround 1-702-432-5300 FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. IT'S CONTROL. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

APPROVED FOR CONSTRUCTION:

Signature On File
LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER

PROJECT No. 116433 DATE 5/3/2011

APPROVAL OF THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR, OR AN APPROVAL OF, ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS.

ACCEPTED BY:

Signature On File 2/9/2011
CLARK COUNTY WATER RECLAMATION DISTRICT DATE

CCWRD PROJECT CONTROL NUMBER IS 6429.10

SIGNATURE ON THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR OR AN APPROVAL OF ANY VIOLATION OF CLARK COUNTY RECLAMATION DISTRICT RULES, REGULATIONS, OR DESIGN AND CONSTRUCTION STANDARDS. THE APPROVAL OF THESE DRAWINGS DOES NOT GUARANTEE CAPACITY IN THE DISTRICT'S COLLECTION OR TREATMENT SYSTEM.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

UTILITY PLAN

"SA" 800+00 to "SA" 808+00

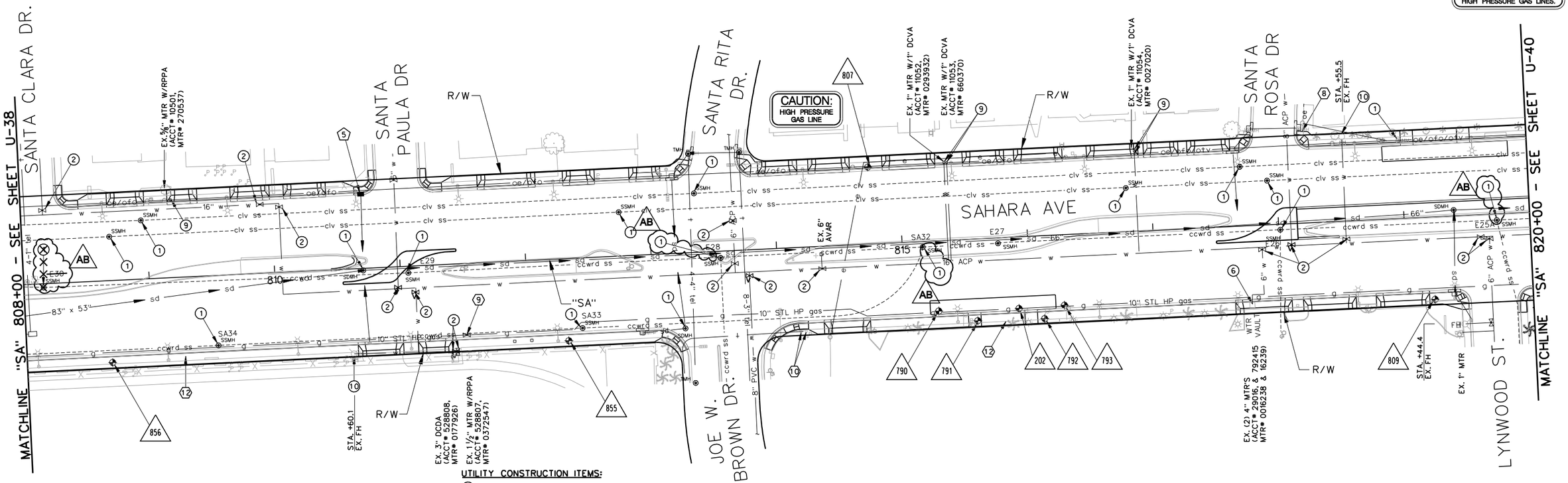
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: DM CHECKED BY: TC
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. U-38



AS - BUILT - 05.31.2012

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

UTILITY CONSTRUCTION ITEMS:

(1) "SA" 808+70. 35' LT — ADJUST MANHOLE COVER TO FINISH GRADE PER SECTION 630 OF THE SPECIAL PROVISIONS AND THE DESIGN AND CONSTRUCTION STANDARDS FOR WASTEWATER COLLECTION SYSTEMS DRAWING SD-5.
"SA" 808+95. 46' LT
"SA" 812+76. 35' LT
"SA" 813+37. 47' LT
AB "SA" 813+16. 4' RT
"SA" 816+80. 35' LT
"SA" 817+71. 47' LT
"SA" 817+93. 35' LT
AB "SA" 813+55. 5' RT
"SA" 808+16. 3' RT
"SA" 809+53. 55' RT
"SA" 811+06. 5' RT
"SA" 812+43. 56' RT
"SA" 818+01. 5' RT
"SA" 810+71. 2' RT
"SA" 813+24. 60' RT
AB "SA" 819+40. 5' LT
"SA" 819+74. 5' RT

(2) "SA" 808+18. 55' LT — ADJUST WATER VALVE BOX TO FINISH GRADE PER UDACS PLATE 39. VALVE SHALL BE ACCESSIBLE AT ALL TIMES.
"SA" 809+73. 55' LT
"SA" 809+90. 52' LT
"SA" 810+06. 52' LT
"SA" 810+98. 17' RT
"SA" 811+11. 21' RT

"SA" 813+66. 10' RT
"SA" 813+78. 21' RT
"SA" 814+36. 18' RT
"SA" 817+86. 19' RT
"SA" 818+10. 17' RT
"SA" 818+53. 14' RT
"SA" 819+60. 18' RT
"SA" 819+67. 20' RT
"SA" 811+41. 69' RT
"SA" 811+43. 70' RT

DRY UTILITY ITEMS:

(8) "SA" 818+22.6. 73.3' LT — FIBER OPTIC MANHOLE TO BE ADJUSTED BY TW TELECOM. INC.

(9) "SA" 811+50.4. 57.0' RT — EXISTING GAS FACILITIES TO BE ADJUSTED BY SOUTHWEST GAS CORPORATION.

(10) "SA" 814+16.2. 66.1' RT — EXISTING ELECTRIC FACILITIES TO BE PROTECTED IN PLACE.
"SA" 814+20.3. 66.1' RT
"SA" 816+39.0. 63.3' LT

(12) "SA" 809+19.4. 63.0' RT — EXISTING GAS FACILITIES TO BE REMOVED.
"SA" 815+79.5. 66.9' RT

(6) "SA" 817+76.2. 60.9' RT — ADJUST WATER VAULT TO FINISH GRADE PER UDACS SHEET C-475 AND LVVWD NOTE 17 ON SHEET UN-1.

(9) "SA" 809+20.0. 62.0' LT — ADJUST WATER METER TO FINISH GRADE PER UDACS PLATE #4 AND SECTION 2.18.
"SA" 815+36.6. 62.0' LT *
"SA" 815+38.7. 61.7' LT
"SA" 816+87.9. 62.8' LT
"SA" 816+88.4. 64.3' LT
"SA" 816+88.1. 61.7' LT
(* USE REINFORCED METER BOX DETAIL ON SHEET U-52 WHEN ADJUSTING TO FINISHED GRADE.)
PROTECT EXISTING BACKFLOW PREVENTER AND PAD IN PLACE AT EXISTING ELEVATION. SIDEWALK TO BE ADJUSTED TO MATCH PAD OR ROUTED AROUND BACKFLOW PREVENTER.

(10) "SA" 810+60.1. 67.8' RT — ADJUST EXISTING FIRE HYDRANT TO FINISH GRADE
"SA" 818+55.5. 67.0' LT — PER UDACS PLATE #40. 41. AND UDACS SECTION 2.21.06.

STORM DRAIN CONSTRUCTION ITEMS:

(5) "Pe" 810+71.5. 59.2' LT — CONSTRUCT NDOT TYPE 2 DROP INLET. SIZE FOR 36" RCP. CONNECT TO EXISTING STORM DRAIN PIPE. REMOVE EXISTING DROP INLET. CONSTRUCT INLET CURB (SEE DETAIL SHEET SD-4).

POTHOLE LEGEND

XX POTHOLE NUMBER

POTHOLE LOCATION

POTHOLE NO.	UTILITY	TOP DEPTH	TOP ELEVATION	STATION	OFFSET
202	10" STL GAS	3.50	2025.31	815+90.50	56.90 RT
790	10" STL GAS	3.67	2021.73	815+26.59	55.88 RT
791	SL	1.54	2027.93	815+57.23	65.09 RT
792	SL	1.84	2027.27	816+10.50	65.97 RT
793	10" STL GAS	3.79	2024.87	816+26.76	56.10 RT
807	EMPTY	0.00	NONE	814+75.58	61.22 LT
809	SL	1.45	2025.73	819+21.73	65.60 RT
855	SL	1.39	2029.17	812+31.32	65.34 RT
856	SL	1.68	2031.09	808+67.77	65.16 RT

40 20 0 40 80
GRAPHIC SCALE

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

Call 811 or 1-800-227-2600 — FAST Call before you UnderGround 1-702-432-5300 — CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

APPROVED FOR CONSTRUCTION:
Signature On File
LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER
PROJECT No. 116433 DATE 5/3/2011
APPROVAL OF THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR, OR AN APPROVAL OF, ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS.

ACCEPTED BY:
Signature On File 2/9/2011
CLARK COUNTY WATER RECLAMATION DISTRICT DATE
CCWRD PROJECT CONTROL NUMBER IS 6429.10
SIGNATURE ON THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR OR AN APPROVAL OF ANY VIOLATION OF CLARK COUNTY RECLAMATION DISTRICT RULES, REGULATIONS, OR DESIGN AND CONSTRUCTION STANDARDS. THE APPROVAL OF THESE DRAWINGS DOES NOT GUARANTEE CAPACITY IN THE DISTRICT'S COLLECTION OR TREATMENT SYSTEM.

CLARK COUNTY FIRE DEPARTMENT APPROVED:
Signature On File 5/3/2011
BY DATE
APPROVAL OF THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR OR AN APPROVAL OF ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

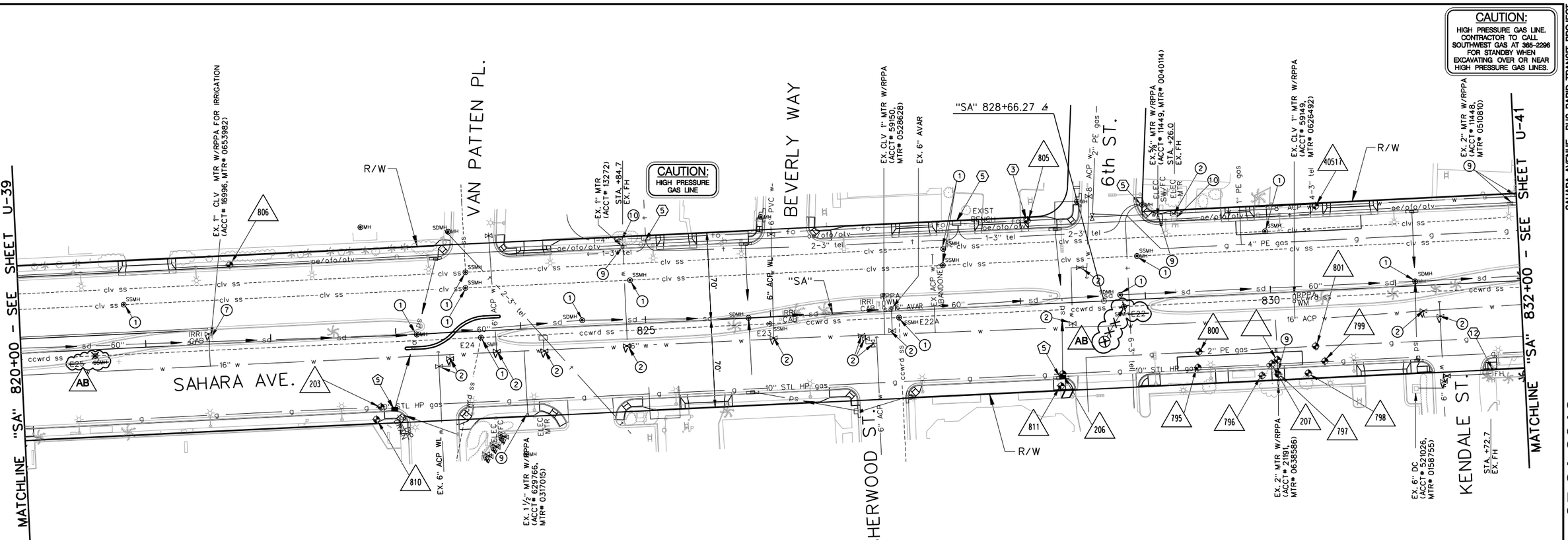
SAHARA AVENUE BUS RAPID TRANSIT PROJECT
UTILITY PLAN
"SA" 808+00 to "SA" 820+00
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: DM CHECKED BY: TC
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. U-39



DRY UTILITY ITEMS:

③	"SA" 828+08.6, 67.2' LT	EXISTING TELEPHONE FACILITIES TO BE RELOCATED BY CENTURYLINK.
⑤	"SA" 825+03.0, 66.3' LT "SA" 827+52.0, 65.9' LT "SA" 829+01.2, 75.6' LT	EXISTING TELEPHONE FACILITIES TO BE ADJUSTED BY CENTURYLINK.
⑫	"SA" 831+74.7, 68.0' RT	EXISTING GAS FACILITIES TO BE REMOVED.

UTILITY CONSTRUCTION ITEMS:

①	"SA" 820+84, 35' LT "SA" 823+57, 35' LT "SA" 823+58, 47' LT "SA" 824+89, 35' LT "SA" 827+39, 35' LT "SA" 827+41, 47' LT "SA" 828+95, 35' LT "SA" 829+98, 50' LT	ADJUST MANHOLE COVER TO FINISH GRADE PER SECTION 630 OF THE SPECIAL PROVISIONS AND THE DESIGN AND CONSTRUCTION STANDARDS FOR WASTEWATER COLLECTION SYSTEMS DRAWING SD-5.
	"SA" 823+68, 5' RT "SA" 827+02, 5' RT ~~"SA" 828+83, 5' RT~~ "SA" 823+17, 1' RT "SA" 824+49, 5' LT "SA" 828+80, 4' LT "SA" 831+16, 4' LT	AB
②	"SA" 823+33, 27' RT "SA" 823+42, 21' RT "SA" 823+80, 17' RT "SA" 824+18, 18' RT "SA" 824+46, 55' LT "SA" 824+84, 18' RT "SA" 826+02, 17' RT "SA" 826+72, 18' RT "SA" 826+75, 21' RT "SA" 826+80, 25' RT "SA" 826+97, 16' RT "SA" 828+41, 17' RT "SA" 828+49, 28' LT "SA" 829+26, 67' LT "SA" 831+21, 20' RT "SA" 831+35, 25' RT	ADJUST WATER VALVE BOX TO FINISH GRADE PER UDACS PLATE 39. VALVE SHALL BE ACCESSIBLE AT ALL TIMES.
⑦	"SA" 821+52.5, 6.0' LT	CONNECT IRRIGATION LINE TO EXISTING METER (SEE LANDSCAPE PLANS).
⑨	"SA" 824+02.1, 68.7' RT "SA" 829+13.1, 64.4' LT "SA" 831+96.2, 61.8' LT "SA" 824+84.6, 61.8' LT "SA" 830+02.8, 62.2' RT	ADJUST WATER METER TO FINISH GRADE PER UDACS PLATE #4 AND SECTION 2.18. PROTECT EXISTING BACKFLOW PREVENTER AND PAD IN PLACE AT EXISTING ELEVATION. SIDEWALK TO BE ADJUSTED TO MATCH PAD OR ROUTED AROUND BACKFLOW PREVENTER.
⑩	"SA" 824+84.7, 66.8' LT "SA" 829+26.0, 62.7' LT	ADJUST EXISTING FIRE HYDRANT TO FINISH GRADE PER UDACS PLATE #40, 41 AND UDACS SECTION 2.21.06.

STORM DRAIN CONSTRUCTION ITEMS:

⑤	"SA" 822+96.50, 59.1' RT "SA" 828+31.0, 59.1' RT	CONSTRUCT NDOT TYPE 2 DROP INLET. SIZE FOR 36" RCP. CONNECT TO EXISTING STORM DRAIN PIPE. REMOVE EXISTING DROP INLET. CONSTRUCT INLET CURB (SEE DETAIL SHEET SD-4).

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

POTHOLE LEGEND

XX POTHOLE NUMBER

POTHOLE LOCATION

40 20 0 40 80
GRAPHIC SCALE

POTHOLE NO.	UTILITY	TOP DEPTH	TOP ELEVATION	STATION	OFFSET
203	10" STL GAS	4.50	2020.83	822+85.47	56.67 RT
206	10" STL GAS	5.08	2017.27	828+31.17	56.48 RT
207	10" STL GAS	2.90	2018.41	829+98.40	56.50 RT
795	10" STL GAS	5.02	2016.62	829+39.26	56.75 RT
796	SD	1.24	2020.67	829+90.11	65.64 RT
797	SL	0.99	2020.57	830+02.98	65.14 RT
798	SL	1.49	2019.93	830+27.14	65.48 RT
799	10" STL GAS	3.68	2017.37	830+40.86	56.57 RT
800	2" PE GAS	2.36	2019.63	829+40.63	44.07 RT
801	2" PE GAS	2.91	2018.60	830+34.03	44.15 RT
805	FO	2.17	2019.96	828+08.60	67.24 LT
806	EMPTY	0.00	NONE	821+70.10	62.45 LT
810	SL	2.00	2023.65	822+81.28	66.48 RT
811	SL	1.61	2021.15	828+29.26	66.00 RT
40517	WTR	3.67	N/A	830+39.36	67.60 LT
XX	WTR	3.29	N/A	830+03.00	53.60 RT

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY.
Call 811
1-800-227-2600
FAST
Call before you UnderGround
1-702-432-5300
PRIMARY AND INTERNAL SYSTEMS OF TRANSPORTATION
AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY.
CALL BEFORE YOU DO OVERHEAD
1-702-227-2929

APPROVED FOR CONSTRUCTION:

Signature On File
LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER

PROJECT No. 116433 DATE 5/3/2011

APPROVAL OF THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR, OR AN APPROVAL OF, ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS.

ACCEPTED BY:

Signature On File 2/9/2011
CLARK COUNTY WATER RECLAMATION DISTRICT DATE

CCWRD PROJECT CONTROL NUMBER IS 6429.10

SIGNATURE ON THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR OR AN APPROVAL OF ANY VIOLATION OF CLARK COUNTY RECLAMATION DISTRICT RULES, REGULATIONS, OR DESIGN AND CONSTRUCTION STANDARDS. THE APPROVAL OF THESE DRAWINGS DOES NOT GUARANTEE CAPACITY IN THE DISTRICT'S COLLECTION OR TREATMENT SYSTEM.

CLARK COUNTY FIRE DEPARTMENT APPROVED:

Signature On File 5/3/2011
BY DATE

APPROVAL OF THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR OR AN APPROVAL OF ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

UTILITY PLAN

"SA" 820+00 to "SA" 832+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: DM CHECKED BY: TC
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

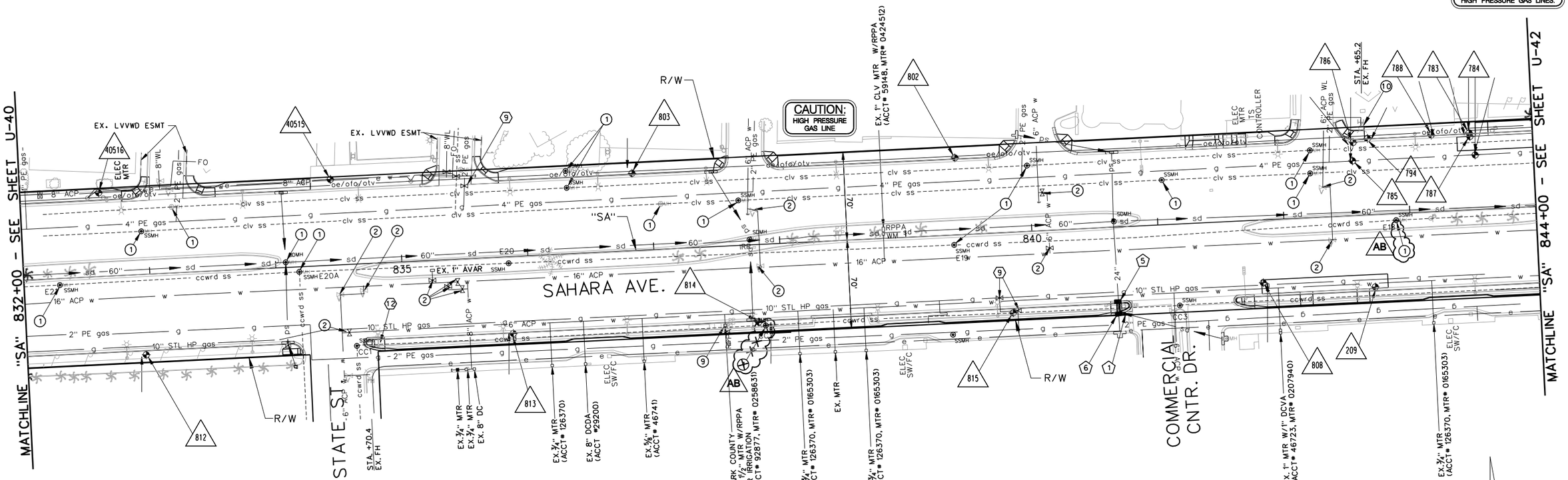
SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. U-40

Sheet 192 of 592

AS-BUILT - 05.31.2012

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT



SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

DRY UTILITY ITEMS:

(9) EXISTING GAS FACILITIES TO BE ADJUSTED BY SOUTHWEST GAS CORPORATION. (EV) ESSENTIAL VALVE MUST BE ACCESSIBLE THROUGHOUT CONSTRUCTION.
"SA" 835+52.6, 58.0' LT
"SA" 839+71.9, 51.5' RT (EV)
"SA" 839+85.7, 62.8' RT

(12) "SA" 834+77.8, 61.4' RT — EXISTING GAS FACILITIES TO BE REMOVED.

STORM DRAIN CONSTRUCTION ITEMS:

(1) "SA" 840+67.6, 68.6' RT; "SA" 840+70.6, 68.9' RT — INSTALL 3 LF OF 15" RCP WITH CONCRETE COLLAR. CONNECT TO EXISTING STORM DRAIN PIPE (SEE SHEET H-1).

(5) "SA" 840+65.6, 59.2' RT — CONSTRUCT NDOT TYPE 2 DROP INLET. SIZE FOR 36" RCP. CONNECT TO EXSITING 24" RCP (SEE SHEET H-1). REMOVE EXISTING DROP INLET. CONSTRUCT INLET CURB (SEE DETAIL SHEET SD-4).

(6) "SA" 840+65.6, 68.6' RT — CONSTRUCT NDOT TYPE 2 DROP INLET. SIZE FOR 42" RCP. INSTALL 8 LF OF 30" x 19 HERCP (SEE SHEET H-1).

UTILITY CONSTRUCTION ITEMS:

(1) "SA" 832+95, 34' LT; "SA" 833+20, 52' LT; "SA" 836+33, 66' LT; "SA" 836+34, 52' LT; "SA" 837+07, 36' LT; "SA" 837+69, 36' LT; "SA" 839+99, 52' LT; "SA" 841+05, 36' LT; "SA" 842+22, 35' LT; "SA" 842+23, 54' LT; "SA" 832+28, 5' RT; "SA" 834+19, 4' RT; "SA" 836+86, 66' RT; "SA" 839+38, 8' RT; "SA" 834+08, 4' LT; "SA" 842+89, 5' RT — ADJUST MANHOLE COVER TO FINISH GRADE PER SECTION 630 OF THE SPECIAL PROVISIONS AND THE DESIGN AND CONSTRUCTION STANDARDS FOR WASTEWATER COLLECTION SYSTEMS DRAWING SD-5.

(2) "SA" 834+50, 23' RT; "SA" 834+56, 54' RT; "SA" 834+69, 21' RT; "SA" 835+24, 17' RT; "SA" 835+36, 21' RT; "SA" 835+39, 18' RT; "SA" 835+44, 24' RT; "SA" 837+80, 28' RT; "SA" 837+84, 18' RT; "SA" 840+10, 30' LT; "SA" 840+14, 14' RT; "SA" 842+32, 24' LT; "SA" 842+38, 18' RT — ADJUST WATER VALVE BOX TO FINISH GRADE PER UDACS PLATE 39. VALVE SHALL BE ACCESSIBLE AT ALL TIMES.

(9) "SA" 837+52.7, 62.9' RT — ADJUST WATER METER TO FINISH GRADE PER UDACS PLATE# 4 AND UDACS SECTION 2.18. PROTECT EXISTING BACKFLOW PREVENTER AND PAD IN PLACE AT EXISTING ELEVATION. SIDEWALK TO BE ADJUSTED TO MATCH PAD OR ROUTED AROUND BACKFLOW PREVENTER.

(10) "SA" 842+65.2, 69.1' LT — ADJUST EXISTING FIRE HYDRANT TO FINISH GRADE PER UDACS PLATE# 40, 41 AND UDACS SECTION 2.21.06.

POTHOLE LEGEND

XX POTHOLE NUMBER
POTHOLE LOCATION

POTHOLE NO.	UTILITY	TOP DEPTH	TOP ELEVATION	STATION	OFFSET
208	WTR	4.25	2009.59	842+69.75	53.2 RT
209	10" STL GAS	4.5	2009.11	842+69.77	57.41 RT
783	SL	1.36	2011.53	843+49.92	60.99 LT
784	4" PE GAS	2.95	2010.11	843+53.91	43.28 LT
785	4" PE GAS	3.23	2009.93	842+56.59	43.38 LT
786	TS	1.18	2011.41	842+57.67	57.87 LT
787	TS	1.41	2011.18	843+50.40	58.11 LT
788	SL	1.57	2011.33	843+19.88	60.75 LT
794	SL	1.65	2011.30	842+69.22	60.63 LT
802	SL	1.81	2011.64	839+41.83	61.12 LT
803	SL	1.50	2014.95	836+85.59	61.29 LT
808	10" STL GAS	4.72	2009.51	841+81.21	49.72 RT
812	SL	1.27	2018.39	832+94.05	63.70 RT
813	SL	1.24	2016.04	835+85.45	61.04 RT
814	SL	1.24	2014.43	837+80.22	61.40 RT
815	2" STLGAS	4.67	2005.59	839+82.07	63.57 RT
40515	WTR	3.33	N/A	832+62.65	68.1 LT
40516	WTR	3.25	N/A	842+69.75	66.45 LT

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call 811 OR 1-800-227-2600
FAST Call before you UnderGround 1-702-432-5300 PRIMARY AND ARTERIAL SYSTEMS OF TRANSPORTATION
AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

APPROVED FOR CONSTRUCTION:

Signature On File
LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER
PROJECT No. 116433 DATE 5/3/2011

APPROVAL OF THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR, OR AN APPROVAL OF, ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS.

ACCEPTED BY:

Signature On File 2/9/2011
CLARK COUNTY WATER RECLAMATION DISTRICT DATE
CCWRD PROJECT CONTROL NUMBER IS 6429.10

SIGNATURE ON THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR OR AN APPROVAL OF ANY VIOLATION OF CLARK COUNTY RECLAMATION DISTRICT RULES, REGULATIONS, OR DESIGN AND CONSTRUCTION STANDARDS. THE APPROVAL OF THESE DRAWINGS DOES NOT GUARANTEE CAPACITY IN THE DISTRICT'S COLLECTION OR TREATMENT SYSTEM.

CLARK COUNTY FIRE DEPARTMENT APPROVED:

Signature On File 5/3/2011
BY DATE

APPROVAL OF THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR OR AN APPROVAL OF ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

UTILITY PLAN

"SA" 832+00 to "SA" 844+00

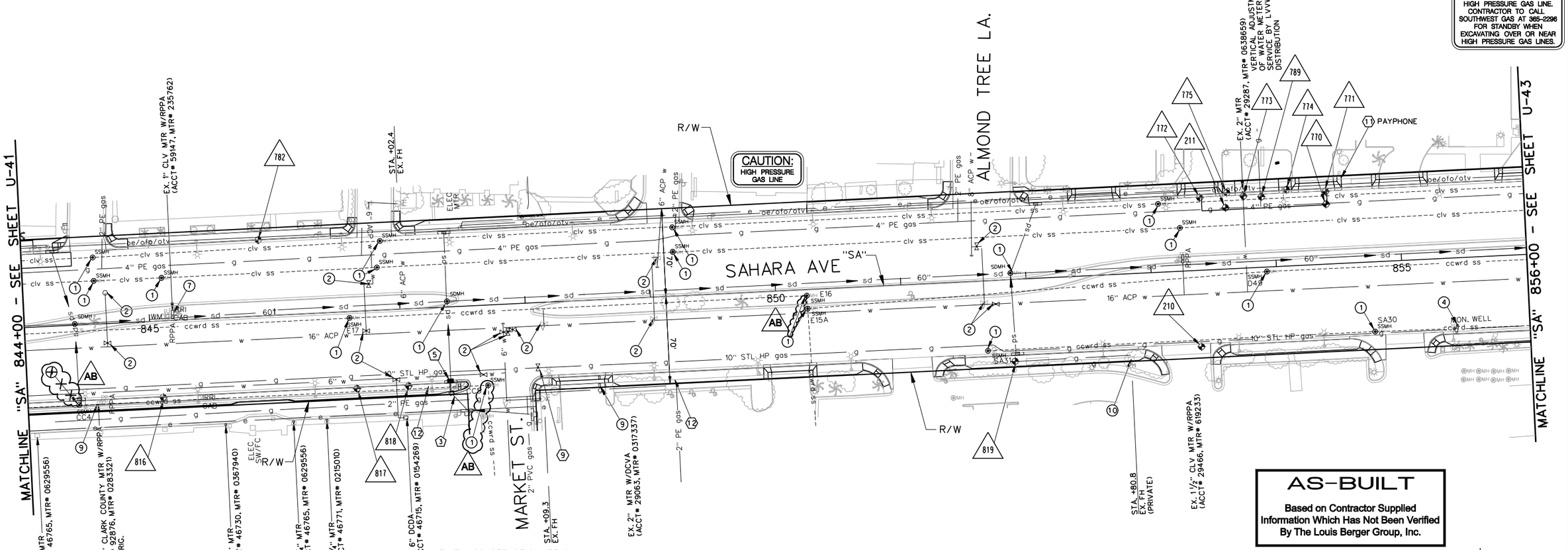
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: DM CHECKED BY: TC
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-8632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. U-41



DRY UTILITY ITEMS:

(9) "SA" 848+07.7. 52.0' RT — EXISTING GAS FACILITIES TO BE ADJUSTED BY SOUTHWEST GAS CORPORATION.

(11) "SA" 854+51.9. 68.7' LT — EXISTING TELEPHONE FACILITIES TO BE RELOCATED BY PROPERTY OWNER.

(12) "SA" 847+22.0. 61.4' RT; "SA" 849+16.8. 68.9' RT — EXISTING GAS FACILITIES TO BE REMOVED.

STORM DRAIN CONSTRUCTION ITEMS:

(3) "SA" 847+40.1. 70.9' RT — ADJUST DROP INLET TO FINISH GRADE.

(5) "SA" 840+67.6. 68.6' RT; "SA" 840+70.6. 68.9' RT — CONSTRUCT NDOT TYPE 2 DROP INLET. SIZE FOR 36" RCP. CONNECT TO EXISTING STORM DRAIN PIPE. REMOVE EXISTING DROP INLET. CONSTRUCT INLET CURB (SEE DETAIL SHEET SD-4).

UTILITY CONSTRUCTION ITEMS:

(1) "SA" 844+57. 34' LT; "SA" 844+57. 53' LT; "SA" 845+11. 34' LT; "SA" 846+83. 34' LT; "SA" 846+87. 55' LT; "SA" 849+20. 35' LT; "SA" 849+20. 55' LT; "SA" 853+08. 54' LT; "SA" 853+25. 34' LT; "SA" 844+41. 64' RT; "SA" 846+60. 5' RT; "SA" 850+25. 16' RT; "SA" 851+67. 56' RT; "SA" 853+92. 3' RT; "SA" 854+76. 56' RT; "SA" 847+37. 4' LT; "SA" 847+67. 64' RT; "SA" 850+25. 5' RT; "SA" 851+87. 5' LT — ADJUST MANHOLE COVER TO FINISH GRADE PER SECTION 630 OF THE SPECIAL PROVISIONS AND THE DESIGN AND CONSTRUCTION STANDARDS FOR WASTEWATER COLLECTION SYSTEMS DRAWING SD-5.

(7) "SA" 845+12.7. 3.6' LT — CONNECT IRRIGATION LINE TO EXISTING METER (SEE LANDSCAPE PLANS).

(9) "SA" 844+56.3. 63.1' RT; "SA" 848+56.4. 62.0' RT * — ADJUST WATER METER TO FINISH GRADE PER UDACS PLATE #4 AND SECTION 2.18. PROTECT EXISTING BACKFLOW PREVENTER AND PAD IN PLACE AT EXISTING ELEVATION. SIDEWALK TO BE ADJUSTED TO MATCH PAD OR ROUTED AROUND BACKFLOW PREVENTER.
(* USE REINFORCED METER BOX DETAIL ON SHEET U-52 WHEN ADJUSTING TO FINISH GRADE)

(10) "SA" 852+80.8. 68.2' RT — ADJUST EXISTING PRIVATE FIRE HYDRANT TO FINISH GRADE PER UDACS FOR CONSISTENCY.

(2) "SA" 844+66. 16' RT; "SA" 844+66. 25' LT; "SA" 846+72. 16' RT; "SA" 846+76. 21' LT; "SA" 846+94. 56' RT; "SA" 847+64. 55' RT; "SA" 847+82. 22' RT; "SA" 847+83. 22' RT; "SA" 847+89. 21' RT; "SA" 848+14. 17' RT; "SA" 849+02. 17' RT; "SA" 849+07. 31' LT; "SA" 851+62. 28' LT; "SA" 851+66. 18' RT; "SA" 851+75. 19' RT — ADJUST WATER VALVE BOX TO FINISH GRADE PER UDACS PLATE 39. VALVE SHALL BE ACCESSIBLE AT ALL TIMES.

(4) "SA" 855+41.7. 53.9' RT — ADJUST MONITORING WELL TO FINISH GRADE.

POTHOLE LEGEND

XX POTHOLE NUMBER

POTHOLE LOCATION

40 20 0 40 80
GRAPHIC SCALE

POTHOLE NO.	UTILITY	TOP DEPTH	TOP ELEVATION	STATION	OFFSET
211	4" PE GAS	2.39	2004.54	853+61.78	48.85 LT
770	4" PE GAS	3.11	2002.52	854+42.08	47.75 LT
771	SL	1.07	2004.11	854+42.07	57.90 LT
772	SL	1.47	2005.38	853+41.64	57.88 LT
773	WATER	2.67	2003.57	853+76.56	57.41 LT
774	SL	1.79	2004.21	854+11.04	60.88 LT
775	SL	1.96	2004.86	853+63.37	60.67 LT
782	SL	1.68	2010.96	845+89.75	60.66 LT
789	½" PE GAS	3.06	2003.13	853+90.78	56.15 LT
816	SL	1.61	2011.19	845+08.05	60.99 RT
817	SL	1.65	2010.58	846+62.74	61.52 RT
818	SL	1.73	2010.12	847+03.99	61.45 RT
819	SL	1.64	2006.98	851+88.25	65.39 RT

Call 811 OR 1-800-227-2600 — ABOVE/BELOW GROUND UTILITY LINES ITS CONTROL

FAST Call before you UnderGround 1-702-432-5300 FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

CALL BEFORE YOU DO OVERHEAD 1-702-227-2929 — AVOID HITTING OVERHEAD POWER LINES ITS CONTROL

APPROVED FOR CONSTRUCTION:

Signature On File
LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER

PROJECT No. 116433 DATE 5/3/2011

APPROVAL OF THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR, OR AN APPROVAL OF, ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS.

ACCEPTED BY:

Signature On File 2/9/2011
CLARK COUNTY WATER RECLAMATION DISTRICT DATE

CCWRD PROJECT CONTROL NUMBER IS 6429.10

SIGNATURE ON THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR OR AN APPROVAL OF ANY VIOLATION OF CLARK COUNTY RECLAMATION DISTRICT RULES, REGULATIONS, OR DESIGN AND CONSTRUCTION STANDARDS. THE APPROVAL OF THESE DRAWINGS DOES NOT GUARANTEE CAPACITY IN THE DISTRICT'S COLLECTION OR TREATMENT SYSTEM.

CLARK COUNTY FIRE DEPARTMENT APPROVED:

Signature On File 5/3/2011
BY DATE

APPROVAL OF THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR OR AN APPROVAL OF ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION RTC OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

UTILITY PLAN

"SA" 844+00 to "SA" 856+00

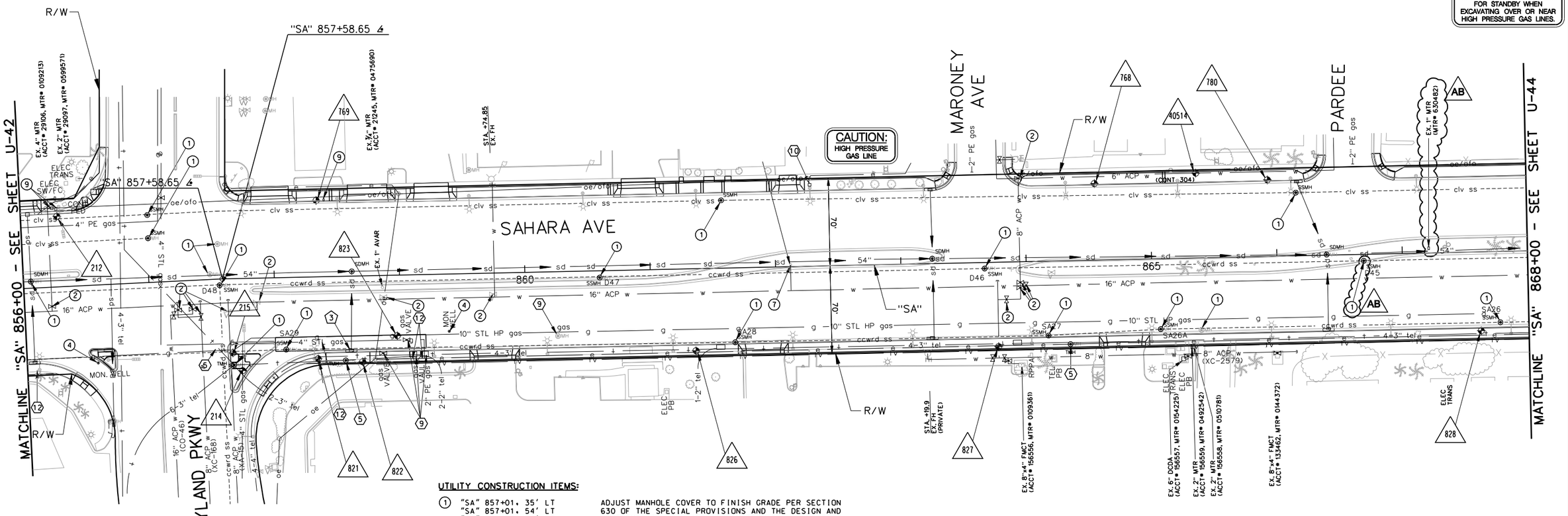
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: DM CHECKED BY: TC
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. U-42



UTILITY CONSTRUCTION ITEMS:

(1) "SA" 857+01. 35' LT
"SA" 857+01. 54' LT
"SA" 861+58. 54' LT
"SA" 866+16. 50' LT
"SA" 857+56. 5' RT
"SA" 858+08. 58' RT
"SA" 860+59. 5' RT
"SA" 861+67. 59' RT
"SA" 863+67. 5' RT
"SA" 864+17. 59' RT
"SA" 865+06. 56' RT
~~"SA" 865+59. 3' RT~~
"SA" 867+77. 57' RT
"SA" 856+06. 5' LT
"SA" 858+62. 4' LT

ADJUST MANHOLE COVER TO FINISH GRADE PER SECTION 630 OF THE SPECIAL PROVISIONS AND THE DESIGN AND CONSTRUCTION STANDARDS FOR WASTEWATER COLLECTION SYSTEMS DRAWING SD-5.

(2) "SA" 856+22. 15' RT
"SA" 857+16. 19' RT
"SA" 857+22. 23' RT
"SA" 857+34. 23' RT
"SA" 857+40. 29' RT
"SA" 857+62. 26' RT
"SA" 857+86. 19' RT
"SA" 858+87. 17' RT
"SA" 859+74. 17' RT
"SA" 863+84. 29' RT
"SA" 863+95. 17' RT
"SA" 863+98. 17' RT
"SA" 863+96. 67' LT

ADJUST WATER VALVE BOX TO FINISH GRADE PER UDACS PLATE 39. VALVE SHALL BE ACCESSIBLE AT ALL TIMES.

(4) "SA" 856+56.5. 62.3' RT
"SA" 859+38.6. 46.0' RT

ADJUST MONITORING WELL TO FINISH GRADE.

(7) "SA" 862+12.2. 1.4' LT

CONNECT IRRIGATION LINE TO EXISTING METER (SEE LANDSCAPE PLANS. RETROFIT WITH 1" RPPA PER UDACS PLATE #40 AND ADD VEHICLE BOLLARDS PER UDACS PLATE #75).

(9) "SA" 856+25.6. 63.0' LT
"SA" 856+28.8. 62.0' LT
"SA" 858+40.8. 61.2' LT

ADJUST WATER METER TO FINISH GRADE PER UDACS PLATE #4 AND SECTION 2.18.
PROTECT EXISTING BACKFLOW PREVENTER AND PAD IN PLACE AT EXISTING ELEVATION. SIDEWALK TO BE ADJUSTED TO MATCH PAD OR ROUTED AROUND BACKFLOW PREVENTER.

DRY UTILITY ITEMS:

(5) "SA" 857+50.0. 50.0' RT
"SA" 858+55.7. 67.0' RT
"SA" 864+34.0. 66.3' RT

EXISTING TELEPHONE FACILITIES TO BE ADJUSTED BY CENTURYLINK.

(9) "SA" 858+85.6. 62.2' RT (EV)
"SA" 859+04.6. 51.8' RT (EV)
"SA" 859+09.5. 63.2' RT
"SA" 859+18.8. 63.2' RT
"SA" 860+25.4. 51.4' RT (EV)

EXISTING GAS FACILITIES TO BE ADJUSTED BY SOUTHWEST GAS CORPORATION. (EV) ESSENTIAL VALVE MUST BE ACCESSIBLE THROUGHOUT CONSTRUCTION.

(10) "SA" 862+28.6. 64.8' LT

EXISTING ELECTRIC FACILITIES TO BE PROTECTED IN PLACE.

(12) "SA" 856+16.0. 69.6' RT
"SA" 858+33.0. 68.7' RT
"SA" 859+09.0. 67.0' RT
"SA" 859+18.2. 66.9' RT

EXISTING GAS FACILITIES TO BE REMOVED.

STORM DRAIN CONSTRUCTION ITEMS:

(3) "SA" 858+60.6. 59.5' RT

ADJUST DROP INLET TO FINISH GRADE.

POTHOLE LEGEND

XX POTHOLE NUMBER

POTHOLE LOCATION

40 20 0 40 80
GRAPHIC SCALE

POTHOLE NO.	UTILITY	TOP DEPTH	TOP ELEVATION	STATION	OFFSET
212	WATER	1.00	2001.02	856+29.11	56.33 LT
214	FO	3.84	1996.09	857+73.29	73.59 RT
215	4" STL GAS	6.38	1993.85	857+65.79	59.23 RT
768	SL	1.54	1992.16	864+55.70	61.11 LT
769	SL	1.76	1996.68	858+34.74	60.96 LT
780	SL	1.27	1989.01	865+93.77	61.09 LT
821	SL	2.01	1996.71	858+33.68	65.38 RT
822	PWR	2.98	1995.56	858+69.13	68.49 RT
823	10" STL GAS	5.40	1992.60	858+97.29	48.57 RT
826	SL	2.73	1994.59	861+35.18	65.45 RT
827	PWR	3.67	1991.93	863+76.50	67.18 RT
828	PWR	1.90	1983.42	867+61.80	62.95 RT
40514	WTR	3.67	N/A	865+36.70	67.7 LT

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

Call 811 or 1-800-227-2600
FAST Call before you UnderGround 1-702-432-5300
Call before you dig overhead 1-702-227-2929

APPROVED FOR CONSTRUCTION:

Signature On File
LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER

PROJECT No. 116433 DATE 5/3/2011

APPROVAL OF THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR, OR AN APPROVAL OF, ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS.

ACCEPTED BY:

Signature On File 2/9/2011
CLARK COUNTY WATER RECLAMATION DISTRICT DATE

CCWRD PROJECT CONTROL NUMBER IS 6429.10

SIGNATURE ON THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR OR AN APPROVAL OF ANY VIOLATION OF CLARK COUNTY RECLAMATION DISTRICT RULES, REGULATIONS, OR DESIGN AND CONSTRUCTION STANDARDS. THE APPROVAL OF THESE DRAWINGS DOES NOT GUARANTEE CAPACITY IN THE DISTRICT'S COLLECTION OR TREATMENT SYSTEM.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

UTILITY PLAN

"SA" 856+00 to "SA" 868+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: DM CHECKED BY: TC
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

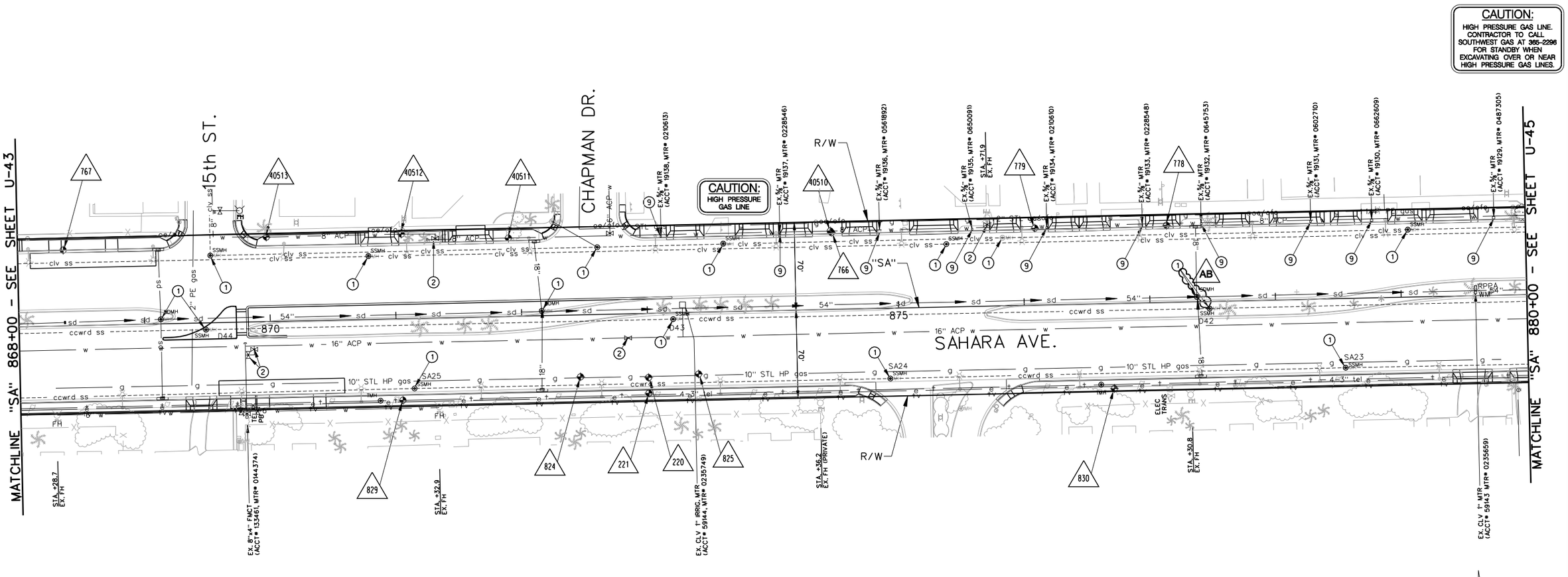
SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. U-43

Sheet 195 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012



SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

UTILITY CONSTRUCTION ITEMS:

(1) ADJUST MANHOLE COVER TO FINISH GRADE PER SECTION 630 OF THE SPECIAL PROVISIONS AND THE DESIGN AND CONSTRUCTION STANDARDS FOR WASTEWATER COLLECTION SYSTEMS DRAWING SD-5.

"SA" 869+54. 53' LT
"SA" 870+79. 51' LT
"SA" 872+61. 54' LT
"SA" 873+61. 54' LT
"SA" 875+39. 50' LT
"SA" 875+84. 54' LT
"SA" 879+06. 54' LT
"SA" 869+49. 5' RT
"SA" 871+14. 56' RT
"SA" 873+21. 5' RT
"SA" 874+92. 56' RT
"SA" 878+55. 55' RT
"SA" 869+13. 4' LT
"SA" 872+16. 4' LT
"SA" 877+37. 4' LT
AB "SA" 871+47. 6' RT

(2) ADJUST WATER VALVE BOX TO FINISH GRADE PER UDACS PLATE 39. VALVE SHALL BE ACCESSIBLE AT ALL TIMES.

"SA" 869+82. 26' RT
"SA" 869+87. 22' RT
"SA" 871+32. 62' LT
"SA" 872+84. 19' RT
"SA" 875+72. 62' LT

(9) ADJUST WATER METER TO FINISH GRADE PER UDACS PLATE #4 AND SECTION 2.18. PROTECT EXISTING BACKFLOW PREVENTER AND PAD IN PLACE AT EXISTING ELEVATION. SIDEWALK TO BE ADJUSTED TO MATCH PAD OR ROUTED AROUND BACKFLOW PREVENTER. (* USE REINFORCED METER BOX DETAIL ON SHEET U-52 WHEN ADJUSTING TO FINISHED GRADE)

"SA" 873+12.1. 61.3' LT
"SA" 874+08.5. 62.5' LT *
"SA" 874+86.1. 61.5' LT
"SA" 875+60.0. 63.2' LT
"SA" 876+19.2. 61.5' LT
"SA" 876+95.5. 63.2' LT
"SA" 877+42.2. 63.2' LT
"SA" 878+29.2. 63.2' LT *
"SA" 878+77.8. 63.1' LT
"SA" 879+75.1. 63.2' LT

POTHOLE LEGEND

XX POTHOLE NUMBER

POTHOLE LOCATION

40 20 0 40 80
GRAPHIC SCALE

POTHOLE NO.	UTILITY	TOP DEPTH	TOP ELEVATION	STATION	OFFSET
220	10" STL GAS	3.18	1968.84	872+99.95	51.00 RT
221	SL	2.20	1970.03	872+99.98	63.47 RT
766	SL	4.91	1962.66	874+47.86	61.33 LT
767	SL	1.91	1981.12	868+36.14	60.22 LT
778	WATER	3.04	1955.03	877+14.55	61.30 LT
779	SL	1.33	1960.56	876+09.79	61.27 LT
824	10" STL GAS	3.85	1969.90	872+45.84	49.26 RT
825	10" STL GAS	4.86	1966.15	873+39.84	49.02 RT
829	SL	3.19	1973.86	871+04.14	64.87 RT
830	PWR	2.90	1957.01	876+70.37	67.59 RT
40513	WATER	3.58	N/A	869+98.2	67.30 LT
40512	WATER	3.58	N/A	871+05.6	67.40 LT
40511	WATER	3.58	N/A	871+90.8	62.44 LT
40510	WATER	3.33	N/A	874+47	62.50 LT

Call 811 OR 1-800-227-2600 — AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY.

FAST — Call before you UnderGround 1-702-432-5300 — FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

CALL BEFORE YOU DO OVERHEAD 1-702-227-2929 — AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY.

APPROVED FOR CONSTRUCTION:

Signature On File
LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER

PROJECT No. 116433 DATE 5/3/2011

APPROVAL OF THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR, OR AN APPROVAL OF, ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS.

ACCEPTED BY:

Signature On File 2/9/2011
CLARK COUNTY WATER RECLAMATION DISTRICT DATE

CCWRD PROJECT CONTROL NUMBER IS 6429.10

SIGNATURE ON THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR OR AN APPROVAL OF ANY VIOLATION OF CLARK COUNTY RECLAMATION DISTRICT RULES, REGULATIONS, OR DESIGN AND CONSTRUCTION STANDARDS. THE APPROVAL OF THESE DRAWINGS DOES NOT GUARANTEE CAPACITY IN THE DISTRICT'S COLLECTION OR TREATMENT SYSTEM.

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

UTILITY PLAN

"SA" 868+00 to "SA" 880+00

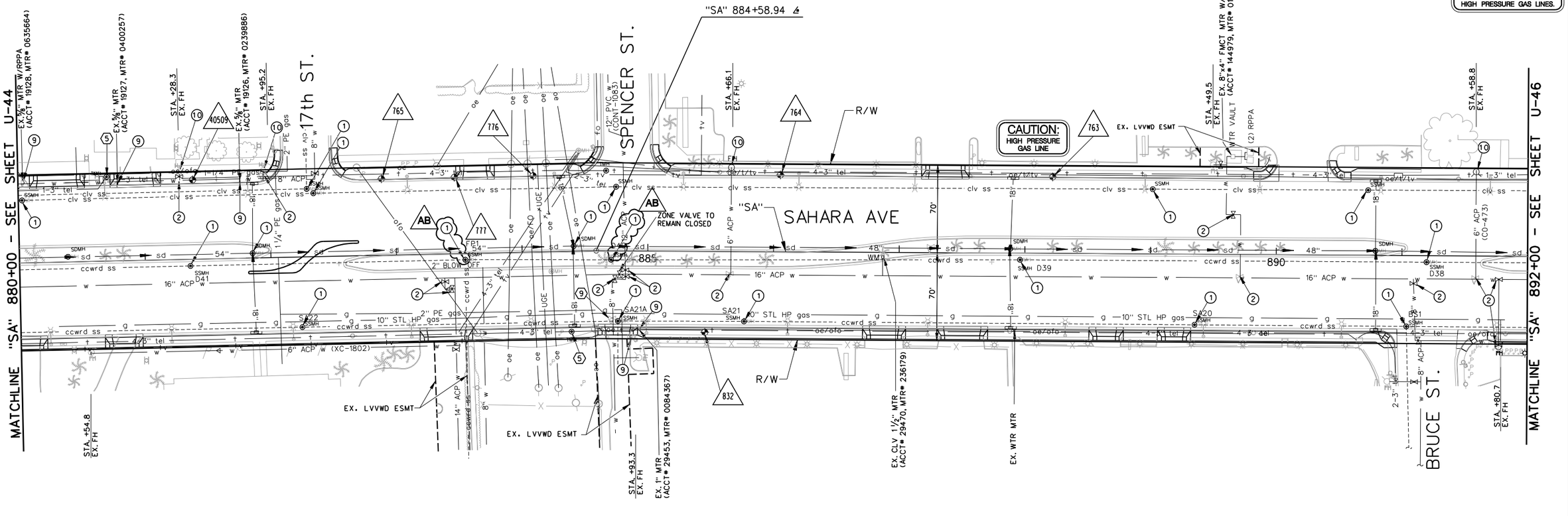
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: DM CHECKED BY: TC
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-8632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. U-44



SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

UTILITY CONSTRUCTION ITEMS:

① ADJUST MANHOLE COVER TO FINISH GRADE PER SECTION 630 OF THE SPECIAL PROVISIONS AND THE DESIGN AND CONSTRUCTION STANDARDS FOR WASTEWATER COLLECTION SYSTEMS DRAWING SD-5.

"SA" 880+03. 50' LT
"SA" 882+29. 54' LT
"SA" 882+35. 51' LT
"SA" 884+75. 51' LT
"SA" 889+02. 52' LT
"SA" 890+73. 52' LT
"SA" 881+36. 5' RT
"SA" 882+23. 56' RT
"SA" 883+55. 5' RT (AB)
"SA" 884+71. 7' RT (AB)
"SA" 884+77. 56' RT
"SA" 885+77. 56' RT
"SA" 887+96. 5' RT
"SA" 889+36. 56' RT
"SA" 891+04. 57' RT
"SA" 891+19. 5' RT
"SA" 881+85. 4' LT
"SA" 884+41. 4' LT

② ADJUST WATER VALVE BOX TO FINISH GRADE PER UDACS PLATE 39. VALVE SHALL BE ACCESSIBLE AT ALL TIMES.

"SA" 881+29. 66' LT
"SA" 881+96. 66' LT
"SA" 883+38. 22' RT
"SA" 883+43. 28' RT
"SA" 884+72. 22' RT
"SA" 884+78. 19' RT
"SA" 884+82. 15' RT
"SA" 884+82. 23' RT
"SA" 885+65. 18' RT
"SA" 889+66. 32' LT
"SA" 889+71. 18' RT
"SA" 891+07. 22' RT
"SA" 891+58. 18' RT
"SA" 891+77. 70' RT
"SA" 891+84. 18' RT

⑨ ADJUST WATER METER TO FINISH GRADE
PER UDACS PLATE #4 AND SECTION 2.18
PROTECT EXISTING BACKFLOW PREVENTER AND PAD IN PLACE AT EXISTING ELEVATION. SIDEWALK TO BE ADJUSTED TO MATCH PAD OR ROUTED AROUND BACKFLOW PREVENTER. (* USE REINFORCED METER BOX DETAILL ON SHEET U-52 WHEN ADJUSTING TO FINISH GRADE)

"SA" 881+77.2. 60.9' LT
"SA" 880+82.0. 62.5' LT *
"SA" 880+03.7. 62.0' LT
"SA' 884+87.1. 69.0' RT
"SA" 884+93.6. 62.0' RT

⑩ ADJUST EXISTING FIRE HYDRANT TO FINISH GRADE PER UDACS PLATE #40. 41. AND SECTION 2.21.06

"SA" 881+28.3. 70.1' LT
"SA" 881+95.1. 69.0' LT
"SA" 885+66.1. 66.5' LT
"SA" 891+58.8. 67.3' LT

DRY UTILITY ITEMS:

⑤ "SA" 880+70.5. 66.7' LT
"SA" 883+47.6. 64.0' RT
EXISTING TELEPHONE FACILITIES TO BE ADJUSTED BY CENTURYLINK.

⑨ "SA" 884+38.1. 66.7' RT
"SA" 884+71. 51' RT
EXISTING GAS FACILITIES TO BE ADJUSTED BY SOUTHWEST GAS CORPORATION.

AS-BUILT
Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

POTHOLE LEGEND

XX POTHOLE NUMBER
POTHOLE LOCATION

40 20 0 40 80
GRAPHIC SCALE

POTHOLE NO.	UTILITY	TOP DEPTH	TOP ELEVATION	STATION	OFFSET
763	SL	3.11	1929.09	888+21.79	60.92 LT
764	SL	4.15	1932.81	886+05.10	61.18 LT
765	SL	1.83	1940.83	882+89.26	60.91 LT
776	SL	1.93	1938.99	884+10.04	60.68 LT
777	SL	2.36	1939.38	883+47.29	60.84 LT
832	SL	2.20	1936.06	885+45.67	64.42 RT
40509	WTR	2.33	N/A	881+39.00	63.26 LT

Call 811 or 1-800-227-2600 — AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY.
FAST — Call before you UnderGround 1-702-432-5300 — FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION
CALL BEFORE YOU DO OVERHEAD 1-702-227-2929 — AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY.

APPROVED FOR CONSTRUCTION:

Signature On File
LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER

PROJECT No. 116433 DATE 5/3/2011

APPROVAL OF THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR, OR AN APPROVAL OF, ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS.

ACCEPTED BY:

Signature On File 2/9/2011
CLARK COUNTY WATER RECLAMATION DISTRICT DATE

CCWRD PROJECT CONTROL NUMBER IS 6429.10

SIGNATURE ON THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR OR AN APPROVAL OF ANY VIOLATION OF CLARK COUNTY RECLAMATION DISTRICT RULES, REGULATIONS, OR DESIGN AND CONSTRUCTION STANDARDS. THE APPROVAL OF THESE DRAWINGS DOES NOT GUARANTEE CAPACITY IN THE DISTRICT'S COLLECTION OR TREATMENT SYSTEM.

CLARK COUNTY FIRE DEPARTMENT APPROVED:

Signature On File 5/3/2011
BY DATE

APPROVAL OF THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR OR AN APPROVAL OF ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

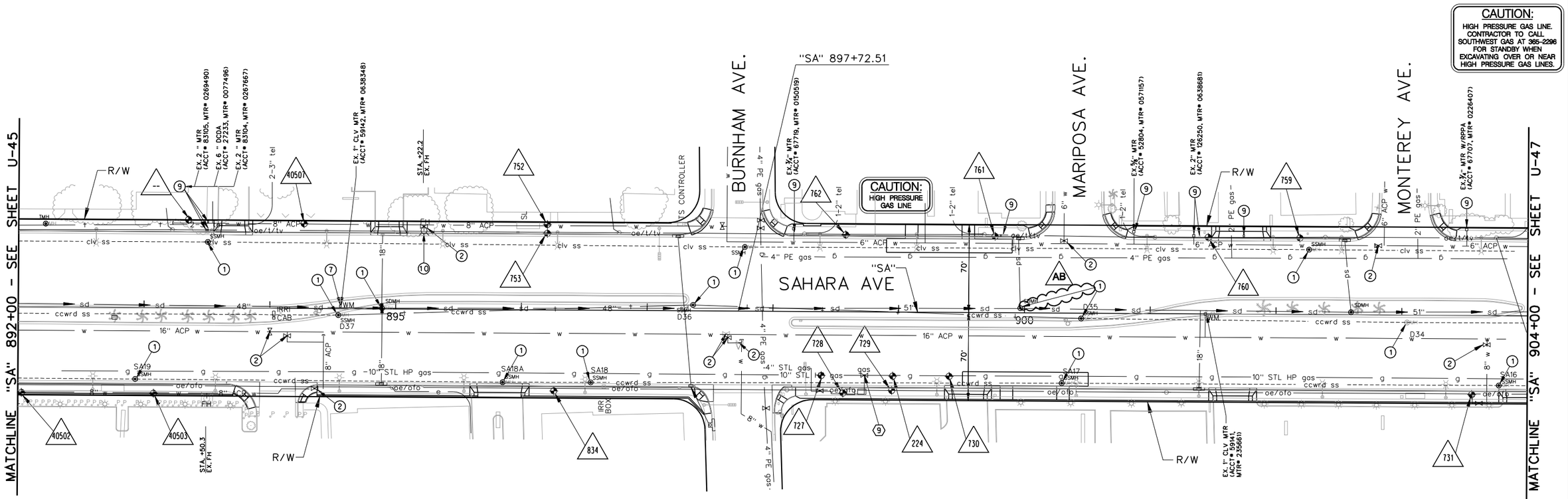
SAHARA AVENUE BUS RAPID TRANSIT PROJECT
UTILITY PLAN
"SA" 880+00 to "SA" 892+00
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: DM CHECKED BY: TC
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-8632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. U-45



DRY UTILITY ITEMS:

⑨	"SA" 898+74.0. 50.0' RT (EV)	EXISTING GAS FACILITIES TO BE ADJUSTED BY SOUTHWEST GAS CORPORATION. (EV) ESSENTIAL VALVE MUST BE ACCESSIBLE THROUGHOUT CONSTRUCTION.

UTILITY CONSTRUCTION ITEMS:

①	"SA" 893+51. 52' LT "SA" 897+77. 51' LT "SA" 902+26. 52' LT "SA" 892+93. 57' RT "SA" 894+54. 5' RT "SA" 895+85. 57' RT "SA" 896+55. 57' RT "SA" 897+37. 5' RT "SA" 900+30. 56' RT "SA" 900+45. 4' RT "SA" 903+04. 5' RT "SA" 903+77. 56' RT "SA" 894+89. 1' LT "SA" 899+97. 4' LT	ADJUST MANHOLE COVER TO FINISH GRADE PER SECTION 630 OF THE SPECIAL PROVISIONS AND THE DESIGN AND CONSTRUCTION STANDARDS FOR WASTEWATER COLLECTION SYSTEMS DRAWING SD-5.
②	"SA" 894+07. 20' RT "SA" 894+14. 22' RT "SA" 894+36. 62' RT "SA" 895+22. 65' LT "SA" 897+63. 18' RT "SA" 897+64. 21' RT "SA" 897+74. 25' RT "SA" 900+16. 57' LT "SA" 902+81. 55' LT "SA" 903+68. 23' RT	ADJUST WATER VALVE BOX TO FINISH GRADE PER UDACS PLATE 39. VALVE SHALL BE ACCESSIBLE AT ALL TIMES.
⑦	"SA" 894+56.2. 2.1' LT	CONNECT IRRIGATION LINE TO EXISTING METER (SEE LANDSCAPE PLANS). - RETROFIT EX. METER W/ 1" RPPA PER UDACS PLATE #8. ADD VEHICLE BOLLARDS PER UDACS PLATE #75).
⑨	"SA" 893+48.9. 62.2' LT "SA" 893+50.5. 68.4' LT "SA" 893+50.5. 62.2' LT "SA" 898+16.6. 61.9' LT "SA" 899+81.0. 61.2' LT "SA" 900+86.7. 61.7' LT "SA" 901+34.1. 62.0' LT "SA" 901+39.0. 61.2' LT "SA" 901+74.0. 62.3' LT* "SA" 903+51.3. 61.8' LT	ADJUST WATER METER TO FINISH GRADE PER UDACS PLATE #4 AND SECTION 2.18. (* USE REINFORCED METER BOX DETAIL ON SHEET U-52 WHEN ADJUSTING TO FINISH GRADE). PROTECT EXISTING BACKFLOW PREVENTER AND PAD IN PLACE AT EXISTING ELEVATION. SIDEWALK TO BE ADJUSTED TO MATCH PAD OR ROUTED AROUND BACKFLOW PREVENTER.
⑩	"SA" 895+22.2. 62.5' LT	ADJUST EXISTING FIRE HYDRANT TO FINISH GRADE PER UDACS PLATE #4 AND SECTION 2.21.06.

40 20 0 40 80
GRAPHIC SCALE

POTHOLE LEGEND

XX POTHOLE NUMBER

POTHOLE LOCATION

POTHOLE NO.	UTILITY	TOP DEPTH	TOP ELEVATION	STATION	OFFSET
224	10" STL GAS	5.43	1901.35	898+95.50	50.90 RT
727	10" STL GAS	4.74	1903.39	898+38.66	50.75 RT
728	4" STL GAS	4.43	1903.39	898+56.02	64.57 RT
729	2" STL GAS	3.18	1903.77	898+94.78	62.32 RT
730	10" STL GAS	5.23	1900.49	899+40.39	50.80 RT
731	SL	1.39	1896.73	903+55.93	62.78 RT
752	WATER	2.73	1910.95	896+20.27	67.89 LT
753	SL	1.46	1912.12	896+20.32	60.90 LT
759	SL	1.62	1898.45	902+18.65	60.79 LT
760	SL	1.15	1899.80	901+45.75	60.94 LT
761	SL	1.87	1902.81	899+76.26	60.68 LT
762	SL	1.71	1906.02	898+57.58	61.18 LT
834	SL	2.21	1911.32	896+26.15	64.26 RT
40502	WATER	3.00	N/A	892+02.9	68.03 RT
40503	WATER	3.00	N/A	893+07.9	68.05 RT
--	WATER	1.75	N/A	893+35.0	67.45 LT
40507	WATER	2.83	N/A	894+26.0	67.40 LT

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

ALWAYS CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call 811 OR 1-800-227-2600

FAST Call before you UnderGround 1-702-432-5300 FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

ALWAYS HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

APPROVED FOR CONSTRUCTION:

Signature On File
LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER

PROJECT No. 116433 DATE 5/3/2011

APPROVAL OF THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR, OR AN APPROVAL OF, ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS.

ACCEPTED BY:

Signature On File 2/9/2011
CLARK COUNTY WATER RECLAMATION DISTRICT DATE

CCWRD PROJECT CONTROL NUMBER IS 6429.10

SIGNATURE ON THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR OR AN APPROVAL OF ANY VIOLATION OF CLARK COUNTY RECLAMATION DISTRICT RULES, REGULATIONS, OR DESIGN AND CONSTRUCTION STANDARDS. THE APPROVAL OF THESE DRAWINGS DOES NOT GUARANTEE CAPACITY IN THE DISTRICT'S COLLECTION OR TREATMENT SYSTEM.

CLARK COUNTY FIRE DEPARTMENT APPROVED:

Signature On File 5/3/2011
BY DATE

APPROVAL OF THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR OR AN APPROVAL OF ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS.

REV. NO.	DATE	DESCRIPTION	APPROVED
A	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

UTILITY PLAN

"SA" 892+00 to "SA" 904+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: DM CHECKED BY: TC
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

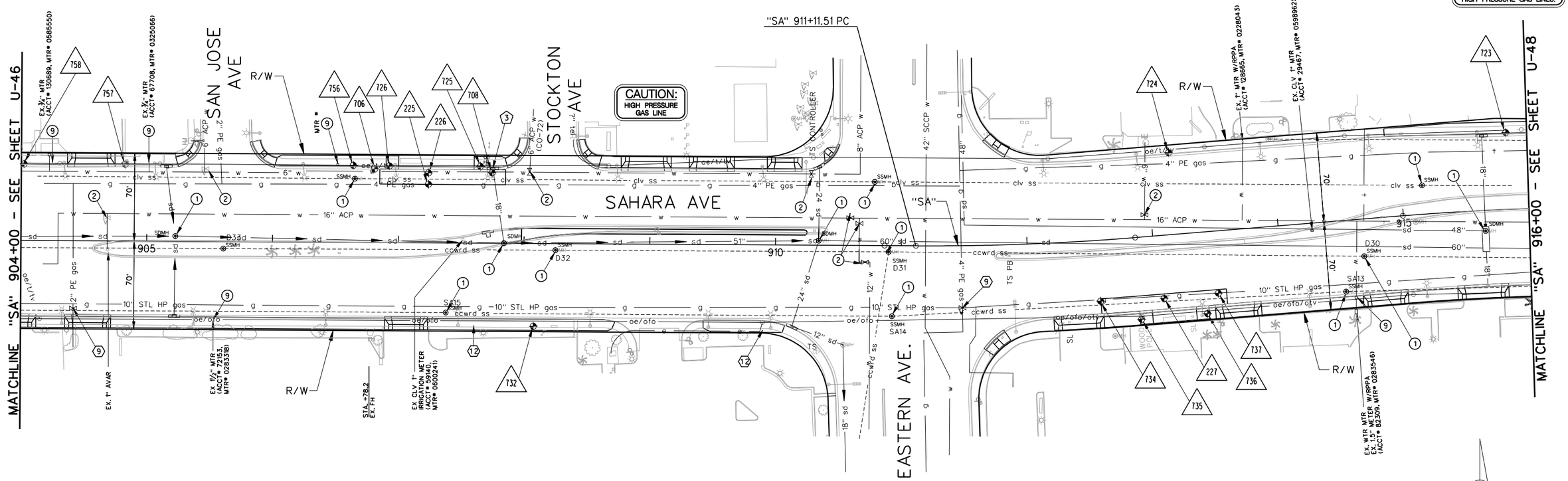
SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. U-46

Sheet 198 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012



DRY UTILITY ITEMS:

(9) "SA" 904+41.5. 53.7' RT — EXISTING GAS FACILITIES TO BE ADJUSTED BY SOUTHWEST GAS CORPORATION.
"SA" 911+48.0. 48.5'RT

(12) "SA" 907+75.8. 67.2' RT — EXISTING GAS FACILITIES TO BE REMOVED.
"SA" 909+94.3. 67.4' RT

UTILITY CONSTRUCTION ITEMS:

(1) "SA" 906+65. 51' LT
"SA" 910+79. 50' LT
"SA" 915+17. 23' LT
"SA" 907+38. 55' RT
"SA" 908+25. 5' RT
"SA" 910+89. 5' RT
"SA" 910+93. 57' RT
"SA" 914+50. 57' RT
"SA" 914+66. 29' RT
"SA" 905+23. 4' LT
"SA" 907+84. 0' LT
"SA" 910+34. 4' LT
"SA" 915+65. 16' RT
— ADJUST MANHOLE COVER TO FINISH GRADE PER SECTION 630 OF THE SPECIAL PROVISIONS AND THE DESIGN AND CONSTRUCTION STANDARDS FOR WASTEWATER COLLECTION SYSTEMS DRAWING SD-5.

(2) "SA" 904+68. 19' LT
"SA" 905+46. 58' LT
"SA" 908+04. 57' LT
"SA" 910+28. 57' LT
"SA" 910+59. 22' LT
"SA" 910+67. 18' LT
"SA" 910+71. 13' RT
"SA" 912+95. 18' LT
— ADJUST WATER VALVE BOX TO FINISH GRADE PER UDACS PLATE 39. VALVE SHALL BE ACCESSIBLE AT ALL TIMES.

(7)

(9) "SA" 904+24.7. 61.5' LT
"SA" 905+01.3. 61.9' LT
"SA" 905+52.9. 61.8' RT
"SA" 906+51.4. 61.6' LT
"SA" 914+57.8. 61.8' RT
— ADJUST WATER METER TO FINISH GRADE PER UDACS PLATE #4 AND SECTION 2.18. PROTECT EXISTING BACKFLOW PREVENTER AND PAD IN PLACE AT EXISTING ELEVATION. SIDEWALK TO BE ADJUSTED TO MATCH PAD OR ROUTED AROUND BACKFLOW PREVENTER.

STORM DRAIN CONSTRUCTION ITEMS:

(3) "SA" 907+75.0. 59.5' LT — ADJUST DROP INLET TO FINISH GRADE.

POTHOLE LEGEND

XX POTHOLE NUMBER

POTHOLE LOCATION

40 20 0 40 80
GRAPHIC SCALE

POTHOLE NO.	UTILITY	TOP DEPTH	TOP ELEVATION	STATION	OFFSET
225	4" PE GAS	3.93	1889.47	907+23.74	46.66 LT
226	SL	0.80	1892.28	907+23.74	55.65 LT
227	10" STL GAS	4.45	1881.38	913+05.14	49.98 RT
706	WATER	3.95	1889.33	906+80.94	58.52 LT
708	SD	1.42	1891.06	907+74.25	56.05 LT
723	TREE SL	2.73	1878.85	915+83.88	61.13 LT
724	TREE SL	1.40	1884.07	913+17.93	65.10 LT
725	SL	1.70	1891.11	907+65.02	61.15 LT
726	SL	1.34	1892.28	906+92.69	60.98 LT
732	SL	1.80	1890.65	908+07.73	65.76 RT
734	10" STL GAS	4.55	1881.95	912+55.32	48.41 RT
735	POWER	1.97	1884.15	912+85.93	65.11 RT
736	SL	1.79	1882.69	913+38.50	64.87 RT
737	10" STL GAS	4.41	1880.85	913+48.47	49.44 RT
756	SL	1.69	1892.38	906+63.91	61.30 LT
757	SL	1.58	1894.91	904+82.64	61.05 LT
758	SL	1.48	1896.14	904+02.19	60.88 LT

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call 811 OR 1-800-227-2600

FAST — Call before you UnderGround 1-702-432-5300 — FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

APPROVED FOR CONSTRUCTION:

Signature On File
LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER

PROJECT No. 116433 DATE 5/3/2011

APPROVAL OF THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR, OR AN APPROVAL OF, ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS.

ACCEPTED BY:

Signature On File 2/9/2011
CLARK COUNTY WATER RECLAMATION DISTRICT DATE

CCWRD PROJECT CONTROL NUMBER IS 6429.10

SIGNATURE ON THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR OR AN APPROVAL OF ANY VIOLATION OF CLARK COUNTY RECLAMATION DISTRICT RULES, REGULATIONS, OR DESIGN AND CONSTRUCTION STANDARDS. THE APPROVAL OF THESE DRAWINGS DOES NOT GUARANTEE CAPACITY IN THE DISTRICT'S COLLECTION OR TREATMENT SYSTEM.

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

UTILITY PLAN

"SA" 904+00 to "SA" 916+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: DM CHECKED BY: TC
APPROVED BY RJP

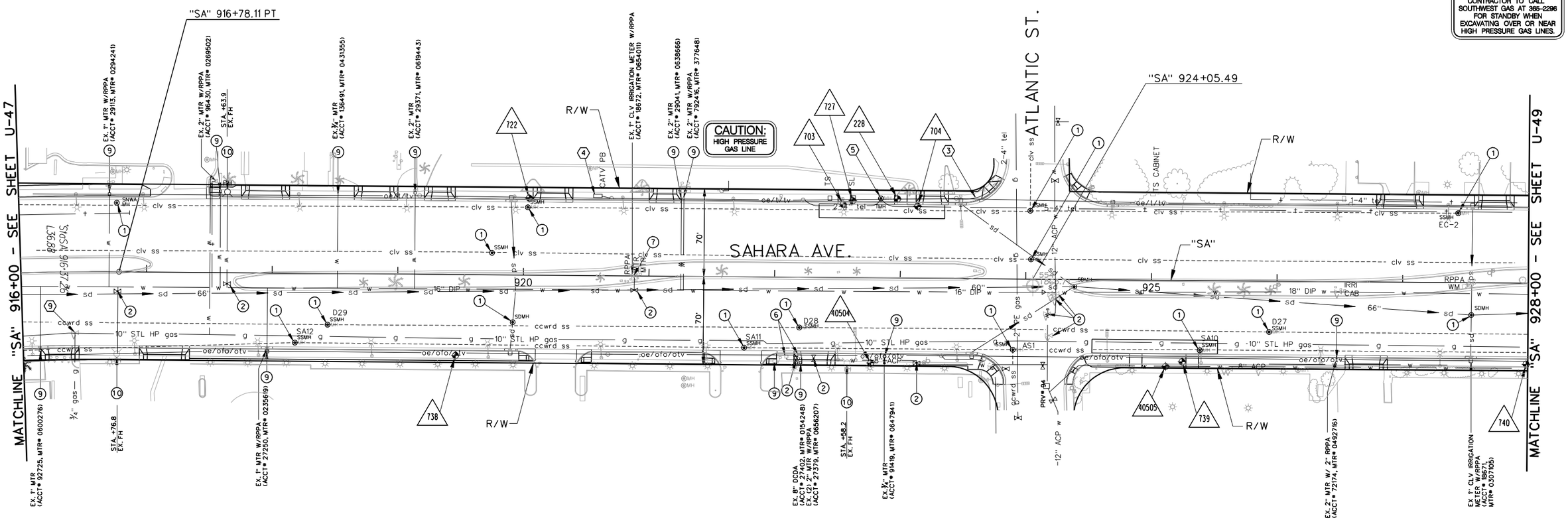
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-8632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. U-47

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012



DRY UTILITY ITEMS:

④	"SA" 920+58.7. 63.2' LT	EXISTING CATV FACILITIES TO BE ADJUSTED BY COX COMMUNICATIONS.
③	"SA" 923+60.0. 65.0' ' LT	EXISTING TELEPHONE FACILITIES TO BE RELOCATED BY CENTURYLINK.
⑤	"SA" 922+83.8. 63.5' LT	EXISTING TELEPHONE FACILITIES TO BE ADJUSTED BY CENTURYLINK.
⑨	"SA" 916+40.0. 47.0' RT	EXISTING GAS FACILITIES TO BE ADJUSTED BY SOUTHWEST GAS.

UTILITY CONSTRUCTION ITEMS:

①	"SA" 919+75. 17' LT "SA" 920+03. 54' LT "SA" 924+03. 54' LT "SA" 924+04. 16' LT "SA" 927+44. 55' LT "SA" 916+76. 55' LT "SA" 918+19. 55' RT "SA" 918+44. 41' RT "SA" 921+76. 56' RT "SA" 922+20. 40' RT "SA" 923+90. 56' RT "SA" 925+39. 55' RT "SA" 925+94. 41' RT "SA" 919+91. 35' RT "SA" 923+57. 35' RT "SA" 927+55. 34' RT	ADJUST MANHOLE COVER TO FINISH GRADE PER SECTION 630 OF THE SPECIAL PROVISIONS AND THE DESIGN AND CONSTRUCTION STANDARDS FOR WASTEWATER COLLECTION SYSTEMS DRAWING SD-5.
②	"SA" 916+77. 15' RT "SA" 917+64. 9' RT "SA" 920+88. 11' RT "SA" 922+17. 66' RT "SA" 922+31. 64' RT "SA" 923+16. 64' RT "SA" 924+17. 27' RT "SA" 924+19. 45' RT "SA" 924+21. 12' RT "SA" 924+24. 12' RT "SA" 924+24. 16' RT	ADJUST WATER VALVE BOX TO FINISH GRADE PER UDACS PLATE 39. VALVE SHALL BE ACCESSIBLE AT ALL TIMES.
⑥	"SA" 922+09.9. 63.0' RT "SA" 922+20.4. 62.4' RT	ADJUST WATER VAULT TO FINISH GRADE PER UDACS SHEET C-475 AND LVVWD NOTE 17 ON SHEET UN-1.
⑦	"SA" 920+88.8. 3.5' RT	CONNECT IRRIGATION LINE TO EXISTING METER (SEE LANDSCAPE PLANS).
⑨	"SA" 916+13.9. 61.9' RT "SA" 916+70.1. 61.5' LT "SA" 917+58.5. 64.7' LT "SA" 917+96.5. 61.4' RT "SA" " "SA" 918+52.0. 62.6' LT "SA" 919+13.3. 64.5' LT "SA" 921+27.2. 61.7' LT "SA" 921+25.1. 61.7' LT "SA" 922+88.2. 62.2' RT "SA" 926+48.2. 62.0' RT	ADJUST WATER METER TO FINISH GRADE PER UDACS PLATE #4 AND SECTION 2.18. PROTECT EXISTING BACKFLOW PREVENTER AND PAD IN PLACE AT EXISTING ELEVATION. SIDEWALK TO BE ADJUSTED TO MATCH PAD OR ROUTED AROUND BACKFLOW PREVENTER.
⑩	"SA" 916+76.7. 65.3' RT "SA" 917+64.0. 64.5' LT "SA" 922+58.0. 68.1' RT	ADJUST EXISTING FIRE HYDRANT TO FINISH GRADE PER UDACS PLATE #40. 41 AND SECTION 2.21.06.

POTHOLE LEGEND

XX POTHOLE NUMBER

POTHOLE LOCATION

POTHOLE NO.	UTILITY	TOP DEPTH	TOP ELEVATION	STATION	OFFSET
228	SL	3.36	1866.51	922+97.34	63.04 LT
703	FO	2.55	1867.45	922+54.17	58.26 LT
704	FFO	1.22	1867.92	923+13.46	57.34 LT
722	TREE SL	1.99	1872.56	920+04.23	61.25 LT
738	SL	1.73	1873.82	919+46.15	64.48 RT
739	SL	2.37	1864.37	925+24.89	64.87 RT
740	SL	0.46	1862.92	927+98.74	64.70 RT
40504	WATER	NOT FOUND	N/A	922+77	67.8 RT
40505	WATER	2.5	N/A	925+11.8	68.58 RT

40 20 0 40 80
GRAPHIC SCALE

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call 811 or 1-800-227-2600

FAST Call before you UnderGround 1-702-432-5300 FREEWAY AND ARTERIAL SYSTEMS OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

APPROVED FOR CONSTRUCTION:

Signature On File
LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER

PROJECT No. 116433 DATE 5/3/2011

APPROVAL OF THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR, OR AN APPROVAL OF, ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS.

ACCEPTED BY:

Signature On File 2/9/2011
CLARK COUNTY WATER RECLAMATION DISTRICT DATE

CCWRD PROJECT CONTROL NUMBER IS 6429.10

SIGNATURE ON THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR OR AN APPROVAL OF ANY VIOLATION OF CLARK COUNTY RECLAMATION DISTRICT RULES, REGULATIONS, OR DESIGN AND CONSTRUCTION STANDARDS. THE APPROVAL OF THESE DRAWINGS DOES NOT GUARANTEE CAPACITY IN THE DISTRICT'S COLLECTION OR TREATMENT SYSTEM.

CLARK COUNTY FIRE DEPARTMENT APPROVED:

Signature On File 5/3/2011
BY DATE

APPROVAL OF THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR OR AN APPROVAL OF ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

UTILITY PLAN

"SA" 916+00 to "SA" 928+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: DM CHECKED BY: TC
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-8632 • FAX (702) 736-0704

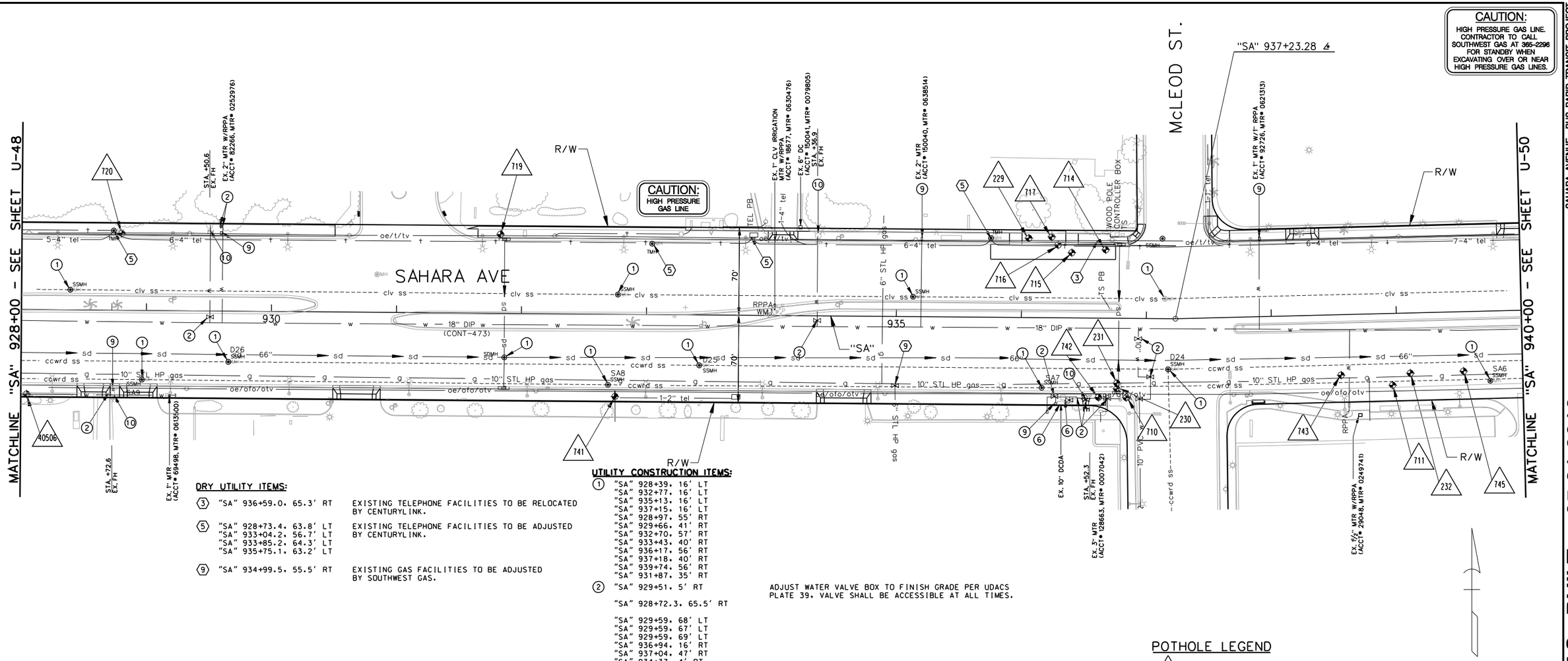
SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. U-48

Sheet 200 of 592

AS - BUILT - 05.31.2012

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT



DRY UTILITY ITEMS:

③	"SA" 936+59.0. 65.3' RT	EXISTING TELEPHONE FACILITIES TO BE RELOCATED BY CENTURYLINK.
⑤	"SA" 928+73.4. 63.8' LT "SA" 933+04.2. 56.7' LT "SA" 933+85.2. 64.3' LT "SA" 935+75.1. 63.2' LT	EXISTING TELEPHONE FACILITIES TO BE ADJUSTED BY CENTURYLINK.
⑨	"SA" 934+99.5. 55.5' RT	EXISTING GAS FACILITIES TO BE ADJUSTED BY SOUTHWEST GAS.

UTILITY CONSTRUCTION ITEMS:

①	"SA" 928+39. 16' LT "SA" 932+77. 16' LT "SA" 935+13. 16' LT "SA" 937+15. 16' LT "SA" 928+97. 55' RT "SA" 929+66. 41' RT "SA" 932+70. 57' RT "SA" 933+43. 40' RT "SA" 936+17. 56' RT "SA" 937+18. 40' RT "SA" 939+74. 56' RT "SA" 931+87. 35' RT	
②	"SA" 929+51. 5' RT "SA" 928+72.3. 65.5' RT	ADJUST WATER VALVE BOX TO FINISH GRADE PER UDACS PLATE 39. VALVE SHALL BE ACCESSIBLE AT ALL TIMES.
	"SA" 929+59. 68' LT "SA" 929+59. 67' LT "SA" 929+59. 69' LT "SA" 936+94. 16' RT "SA" 937+04. 47' RT "SA" 934+37. 4' RT "SA" 936+27. 63' RT "SA" 936+45. 63' RT "SA" 936+52. 65' RT	
⑥	"SA" 936+32.5. 68.0' RT "SA" 936+33.7. 63.6' RT	ADJUST WATER VAULT TO FINISH GRADE PER UDACS SHEET C-475 AND LVVWD NOTE 17 ON SHEET UN-1.
⑨	"SA" 928+74.0. 63.3' RT "SA" 929+59. 62' LT	ADJUST WATER METER TO FINISH GRADE PER UDACS PLATE #4 AND SECTION 2.18. PROTECT EXISTING BACKFLOW PREVENTER AND PAD IN PLACE AT EXISTING ELEVATION. SIDEWALK TO BE ADJUSTED TO MATCH PAD OR ROUTED AROUND BACKFLOW PREVENTER.
	"SA" 935+20.0. 62.4' LT "SA" 936+27.8. 68.8' RT "SA" 937+91.9. 62.5' LT	
⑩	"SA" 934+36.9. 64.2' LT "SA" 936+52.3. 68.0' RT "SA" 929+50.6. 68.0' LT "SA" 928+72.6. 66.6' RT	ADJUST EXISTING FIRE HYDRANT TO FINISH GRADE PER UDACS PLATE #40. 41 AND SECTION 2.21.06.

POTHOLE LEGEND

XX POTHOLE NUMBER

POTHOLE LOCATION

POTHOLE NO.	UTILITY	TOP DEPTH	TOP ELEVATION	STATION	OFFSET
229	FO	3.94	1850.06	936+05.50	63.49 LT
230	SD	0.92	1852.38	936+76.78	56.37 RT
231	10" STL GAS	3.50	1850.02	936+76.83	51.89 RT
232	10" STL GAS	12.62	1846.10	939+10.11	48.14 RT
710	WATER	3.14	1850.44	936+84.40	63.42 RT
711	¾" STL GAS	3.38	1848.88	938+95.74	57.37 RT
714	TS	1.44	1852.06	936+67.07	54.73 LT
715	FO	4.02	1849.56	936+39.97	52.14 LT
716	TS	0.23	1852.25	936+29.01	58.24 LT
717	SLAB	1.16	1852.67	936+23.81	64.65 LT
719	TREE SL	2.20	1856.27	931+82.77	63.18 LT
720	TREE SL	2.98	1859.04	928+79.78	61.47 LT
741	SL	1.90	1855.47	932+75.37	65.72 RT
742	WATER	2.90	1850.84	936+62.22	63.38 RT
743	10" STL GAS	3.17	1849.62	938+54.69	48.35 RT
745	10" STL GAS	2.95	1849.32	939+52.74	47.55 RT
40506	WATER	3.08	N/A	928+04.6	67.60 RT

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S CRIMINAL. Call 811 or 1-800-227-2600

FAST Call before you UnderGround 1-702-432-5300 FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. IT'S CRIMINAL. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

APPROVED FOR CONSTRUCTION:

Signature On File
LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER

PROJECT No. 116433 DATE 5/3/2011

APPROVAL OF THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR, OR AN APPROVAL OF, ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS.

ACCEPTED BY:

Signature On File 2/9/2011
CLARK COUNTY WATER RECLAMATION DISTRICT DATE

CCWRD PROJECT CONTROL NUMBER IS 6429.10

SIGNATURE ON THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR OR AN APPROVAL OF ANY VIOLATION OF CLARK COUNTY RECLAMATION DISTRICT RULES, REGULATIONS, OR DESIGN AND CONSTRUCTION STANDARDS. THE APPROVAL OF THESE DRAWINGS DOES NOT GUARANTEE CAPACITY IN THE DISTRICT'S COLLECTION OR TREATMENT SYSTEM.

CLARK COUNTY FIRE DEPARTMENT APPROVED:

Signature On File 5/3/2011
BY DATE

APPROVAL OF THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR OR AN APPROVAL OF ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

UTILITY PLAN

"SA" 928+00 to "SA" 940+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: DM CHECKED BY: TC
APPROVED BY RJP

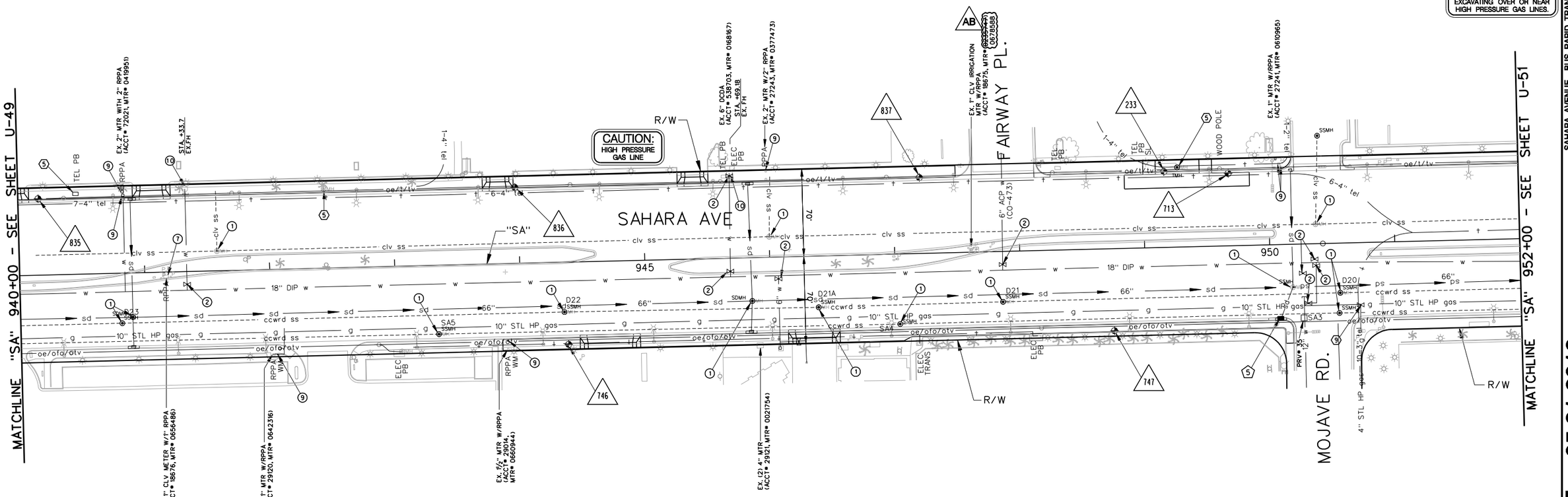
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-8832 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. U-49

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012



DRY UTILITY ITEMS:

(5) "SA" 940+35.3. 65.0′ LT
"SA" 942+44.7. 63.1′ LT
"SA" 949+27.5. 63.7′ LT
EXISTING TELEPHONE FACILITIES TO BE ADJUSTED BY CENTURYLINK.

(9) "SA" 950+71.5. 49.7′ RT (EV)
EXISTING GAS FACILITIES TO BE ADJUSTED BY SOUTHWEST GAS CORPORATION.
(EV) ESSENTIAL VALVE MUST BE ACCESSABLE THROUGHOUT CONSTRUCTION.

STORM DRAIN CONSTRUCTION ITEMS:

(5) "SA" 950+08.1. 59.1′ RT
CONSTRUCT NDOT TYPE 2 DROP INLET. SIZE FOR 36" RCP.
CONNECT TO EXISTING STORM DRAIN PIPE.
REMOVE EXISTING DROP INLET.
CONSTRUCT INLET CURB (SEE DETAIL SHEET SD-4).

UTILITY CONSTRUCTION ITEMS:

(1) "SA" 941+58. 16′ LT
"SA" 946+00. 16′ LT
"SA" 950+37. 15′ LT
"SA" 940+81. 40′ RT
"SA" 943+34. 55′ RT
"SA" 944+35. 40′ RT
"SA" 946+38. 41′ RT
"SA" 947+04. 56′ RT
"SA" 947+86. 40′ RT
"SA" 950+54. 56′ RT
"SA" 950+55. 40′ RT
"SA" 940+90. 35′ RT
"SA" 945+85. 35′ RT
"SA" 950+18. 34′ RT
ADJUST MANHOLE COVER TO FINISH GRADE PER SECTION 630 OF THE SPECIAL PROVISIONS AND THE DESIGN AND CONSTRUCTION STANDARDS FOR WASTEWATER COLLECTION SYSTEMS DRAWING SD-5.

(2) "SA" 941+34. 10′ RT
"SA" 945+68. 11′ RT
"SA" 945+69. 66′ LT
"SA" 946+03. 18′ RT
"SA" 947+86. 11′ RT
"SA" 950+26. 23′ RT
"SA" 950+27. 47′ RT
"SA" 950+36. 12′ RT
"SA" 950+37. 17′ RT
ADJUST WATER VALVE BOX TO FINISH GRADE PER UDACS PLATE 39. VALVE SHALL BE ACCESSIBLE AT ALL TIMES.

(7) "SA" 941+16.8. 3.8′ RT
CONNECT IRRIGATION LINE TO EXISTING METER (SEE LANDSCAPE PLANS).

(9) "SA" 940+84.2. 64.2′ LT
"SA" 942+06.5. 63.0′ RT
"SA" 943+89.3. 61.8′ RT
"SA" 945+98.5. 62.1′ LT
"SA" 950+08.8. 64.7′ LT
ADJUST WATER METER TO FINISH GRADE PER UDACS PLATE #4 AND SECTION 2.18.
PROTECT EXISTING BACKFLOW PREVENTER AND PAD IN PLACE AT EXISTING ELEVATION. SIDEWALK TO BE ADJUSTED TO MATCH PAD OR ROUTED AROUND BACKFLOW PREVENTER.

(10) "SA" 941+33.7. 66.1′ LT
"SA" 945+69.3. 68.5′ LT
ADJUST EXISTING FIRE HYDRANT TO FINISH GRADE PER UDACS PLATE #40. 41 AND SECTION 2.21.06.

POTHOLE LEGEND

XX POTHOLE NUMBER

POTHOLE LOCATION

40 20 0 40 80
GRAPHIC SCALE

POTHOLE NO.	UTILITY	TOP DEPTH	TOP ELEVATION	STATION	OFFSET
233	CTL	1.80	1836.63	949+16.83	60.65 LT
713	TS	1.19	1836.20	949+68.14	57.95 LT
746	SL	1.65	1844.60	944+37.59	65.80 RT
747	SL	1.63	1837.75	948+74.28	65.62 RT
835	FO	1.36	1850.30	940+16.16	61.12 LT
836	FO	1.44	1845.31	943+97.50	60.85 LT
837	FO	1.71	1839.92	947+21.21	60.72 LT

Call 811 OR 1-800-227-2600
FAST Call before you UnderGround 1-702-432-5300
CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

APPROVED FOR CONSTRUCTION:

Signature On File
LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER

PROJECT No. 116433 DATE 5/3/2011

APPROVAL OF THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR, OR AN APPROVAL OF, ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS.

ACCEPTED BY:

Signature On File 2/9/2011
CLARK COUNTY WATER RECLAMATION DISTRICT DATE

CCWRD PROJECT CONTROL NUMBER IS 6429.10

SIGNATURE ON THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR OR AN APPROVAL OF ANY VIOLATION OF CLARK COUNTY RECLAMATION DISTRICT RULES, REGULATIONS, OR DESIGN AND CONSTRUCTION STANDARDS. THE APPROVAL OF THESE DRAWINGS DOES NOT GUARANTEE CAPACITY IN THE DISTRICT'S COLLECTION OR TREATMENT SYSTEM.

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

UTILITY PLAN

"SA" 940+00 to "SA" 952+00

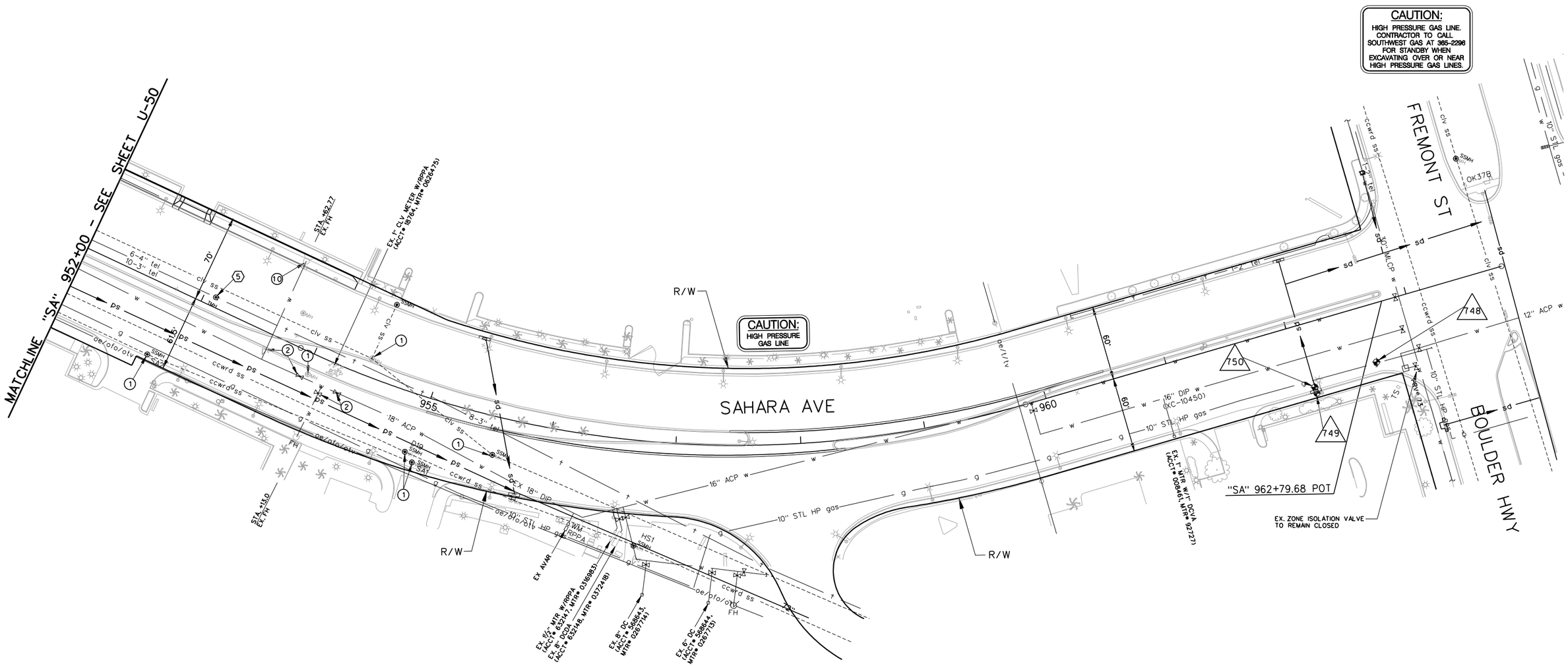
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: DM CHECKED BY: TC
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. U-50



DRY UTILITY ITEMS:

⑤	"SA" 953+09.5, 7.9' LT	EXISTING TELEPHONE FACILITIES TO BE ADJUSTED BY CENTURYLINK.

UTILITY CONSTRUCTION ITEMS:

①	"SA" 954+44, 15' LT "SA" 955+58, 31' RT "SA" 952+79, 57' RT "SA" 954+93, 47' RT "SA" 955+00, 54' RT	ADJUST MANHOLE COVER TO FINISH GRADE PER SECTION 630 OF THE SPECIAL PROVISIONS AND THE DESIGN AND CONSTRUCTION STANDARDS FOR WASTEWATER COLLECTION SYSTEMS DRAWING SD-5.
②	"SA" 953+64, 13' RT "SA" 954+10, 23' RT "SA" 954+15, 28' RT "SA" 954+22, 24' RT	ADJUST WATER VALVE BOX TO FINISH GRADE PER UDACS PLATE 39. VALVE SHALL BE ACCESSIBLE AT ALL TIMES.
⑩	"SA" 953+62.8, 65.3' LT	ADJUST EXISTING FIRE HYDRANT TO FINISH GRADE PER UDACS PLATE #40, 41, AND SECTION 2.21.06.

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

POTHOLE LEGEND

XX POTHOLE NUMBER

POTHOLE LOCATION

40 20 0 40 80
GRAPHIC SCALE

POTHOLE NO.	UTILITY	TOP DEPTH	TOP ELEVATION	STATION	OFFSET
234	10" STL GAS	4.17	1820.11	962+02.17	50.70 RT
748	10" STL GAS	3.96	1820.41	962+62.73	45.79 RT
749	SL	1.08	1823.31	962+09.41	56.53 RT
750	SD	1.12	1823.13	962+09.16	51.34 RT

Call 811 or 1-800-227-2600 — AVOID CUTTING UNDERGROUND UTILITY LINES, IT'S COSTLY.

FAST — Call before you UnderGround 1-702-432-5300 — FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

CALL BEFORE YOU DO OVERHEAD 1-702-227-2929 — AVOID HITTING OVERHEAD POWER LINES, IT'S COSTLY.

APPROVED FOR CONSTRUCTION:

Signature On File
LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER

PROJECT No. 116433 DATE 5/3/2011

APPROVAL OF THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR, OR AN APPROVAL OF, ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS.

ACCEPTED BY:

Signature On File 2/9/2011
CLARK COUNTY WATER RECLAMATION DISTRICT DATE

CCWRD PROJECT CONTROL NUMBER IS 6429.10

SIGNATURE ON THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR OR AN APPROVAL OF ANY VIOLATION OF CLARK COUNTY RECLAMATION DISTRICT RULES, REGULATIONS, OR DESIGN AND CONSTRUCTION STANDARDS. THE APPROVAL OF THESE DRAWINGS DOES NOT GUARANTEE CAPACITY IN THE DISTRICT'S COLLECTION OR TREATMENT SYSTEM.

REV. NO.	DATE	DESCRIPTION	APPROVED
A	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

UTILITY PLAN

"SA" 952+00 to "SA" 962+79.68

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: DM CHECKED BY: TC
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

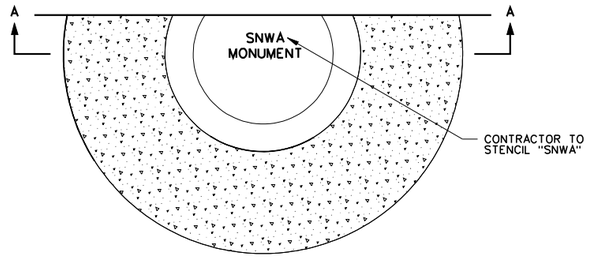
SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. U-51

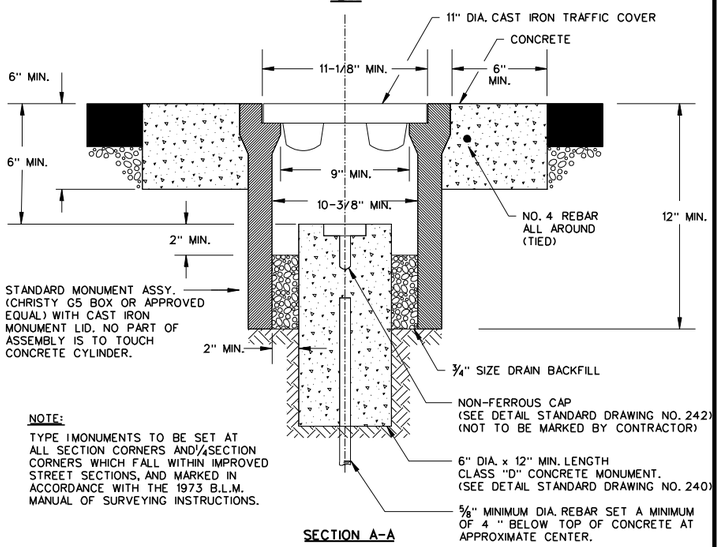
Sheet 203 of 592

AS - BUILT - 05.31.2012

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT



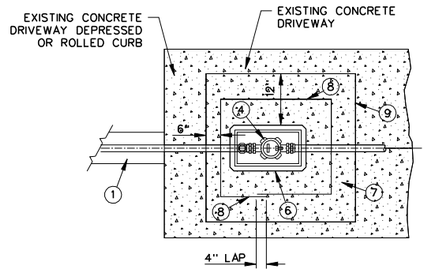
PLAN



NOTE:

TYPE I MONUMENTS TO BE SET AT ALL SECTION CORNERS AND 1/4 SECTION CORNERS WHICH FALL WITHIN IMPROVED STREET SECTIONS, AND MARKED IN ACCORDANCE WITH THE 1973 B.L.M. MANUAL OF SURVEYING INSTRUCTIONS.

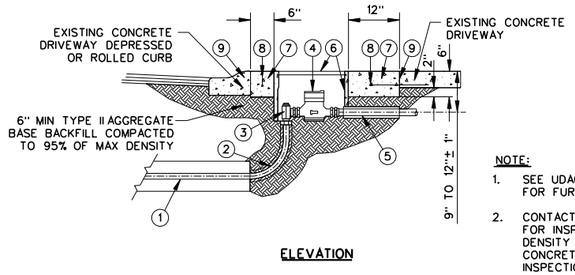
SECTION A-A



PLAN VIEW

LEGEND:

1. EXISTING SERVICE LATERAL ENCASED IN SAND BACKFILL
2. SERVICE LATERAL (1" DIAMETER MIN), COVERED WITH PREFORMED POLYFOAM PIPE INSULATION
3. BALL ANGLE METER STOP WITH LOCK WING AND WITHOUT LEVER HANDLE
4. APPROVED DISPLACEMENT TYPE WATER METER, AGENCY SUPPLIED, CONTRACTOR INSTALLED
5. TAIL PIECE COUPLING, COVERED WITH PREFORMED POLYFOAM PIPE INSULATION
6. ARMORCAST 1" METER BOX ASSEMBLY (A6000485)
7. FORMED CONCRETE COLLAR (6" THICK)
8. #4 REBAR IN CONCRETE COLLAR (INSTALL 2" FROM BOTTOM AND CENTERED WITHIN EACH SIDE OF CONCRETE COLLAR)
9. 1/2" EXPANSION JOINT MATERIAL (AROUND ENTIRE COLLAR)



ELEVATION

NOTE:

1. SEE UDACS PLATES 1 THROUGH 4 FOR FURTHER INSTALLATION REQUIREMENTS.
2. CONTACT LVVWD INSPECTION DIVISION 258-7171, FOR INSPECTION OF THE SERVICE, BACKFILL AND DENSITY TESTING PRIOR TO CONSTRUCTING THE CONCRETE COLLAR, AND FOR THE FINAL INSPECTION.

RETROFIT FOR WATER SERVICE INSTALLATION LOCATED WITHIN EXISTING DRIVEWAY AREAS

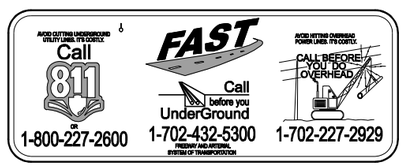
NOT TO SCALE

APPROVED FOR CONSTRUCTION:

Signature On File
LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER

PROJECT No. 116433 DATE 5/3/2011

APPROVAL OF THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR, OR AN APPROVAL OF, ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS.



APPROVED BY:

Signature On File 3/3/2011
SOUTHERN NEVADA WATER AUTHORITY DATE

SNWA APPROVAL IS VALID FOR ONE (1) YEAR FROM THE SIGNATURE DATE. IF CONSTRUCTION WITHIN THE EASEMENT OR RESTRICTED PIPE SAFETY ZONE IS NOT COMPLETE, PLANS MUST BE RESUBMITTED TO SNWA FOR APPROVAL.

SNWA CONSTRUCTION NOTES:

CONTRACTOR SHALL FIELD LOCATE AND PROTECT ALL SNWA/SNWS APPURTENANCES INCLUDING, BUT NOT LIMITED TO AVAR, ACCESS MANWAYS AND CATHODIC PROTECTION SYSTEMS. ALL ABOVE GROUND STRUCTURES AND AT GRADE STRUCTURES MUST BE ADJUSTED TO NEW GRADE AT CONTRACTORS EXPENSE. CATHODIC PROTECTION TEST STATIONS, RECTIFIERS, AND AVAR'S MUST BE RELOCATED TO THE SIDEWALK PER SNWA STANDARDS AND AT THE CONTRACTORS EXPENSE. CONTRACTOR TO NOTIFY SOUTHERN NEVADA WATER AUTHORITY, DEVELOPMENT PLAN REVIEW, AT (702) 862-3444 AT LEAST 48 HOURS PRIOR TO CONSTRUCTION ACTIVITY.

THIS DATA MAY BE BASED ON THE NATIONAL GEODETIC VERTICAL DATUM OF 1929 . IT IS THE ENGINEER'S RESPONSIBILITY TO ENSURE THAT THIS DATA IS CONVERTED TO THE APPROPRIATE DATUM BEFORE USING SAID DATA.

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
UTILITY PLAN

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: KK CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-8632 • FAX (702) 736-0704

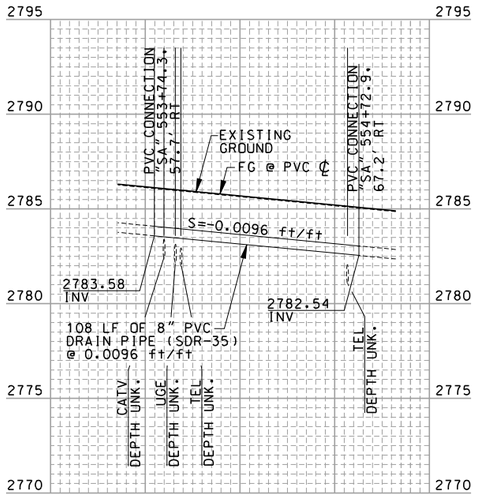
SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. U-52

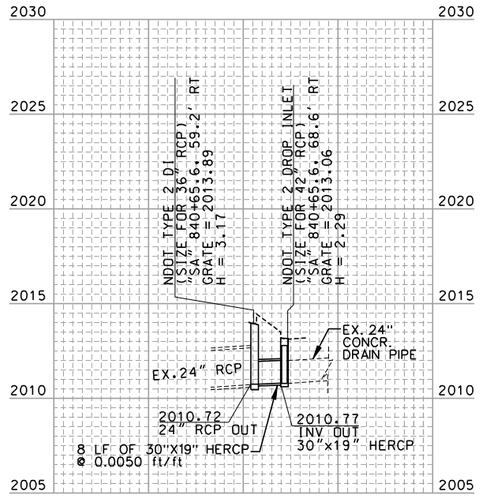
Sheet 204 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

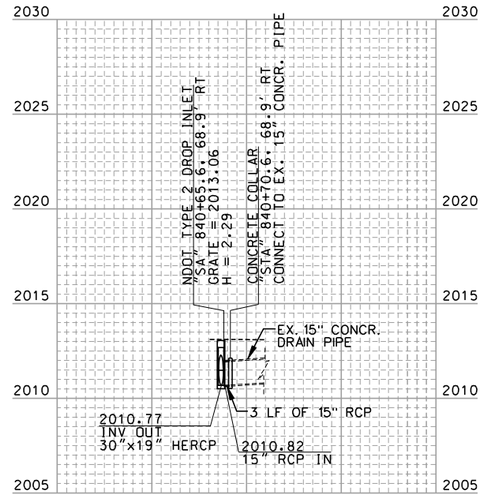
AS - BUILT - 05.31.2012



"SA"553+74.3 TO "SA" 554+72.9



"SA" 840+65.6, 68.9' RT



"SA" 840+65.6, 68.9' RT

REFERENCE TABLE	
NDOT TYPE 2 DROP INLET	R-4.2.1
CONCRETE COLLAR	SHEET SD-13

NOTES:

1. CONTRACTOR TO VERIFY EXISTING UNDERGROUND UTILITY LOCATIONS PRIOR TO CONSTRUCTION.
2. ALL BEDDING SHALL BE CLASS B PER NDOT STANDARD R-1.1.6.
3. ALL HERCP & RCP SHALL BE CLASS III UNLESS OTHERWISE SPECIFIED.

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

HYDRAULIC PROFILES

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: SSM
DESIGNED BY: FR CHECKED BY: RJP
APPROVED BY RJP

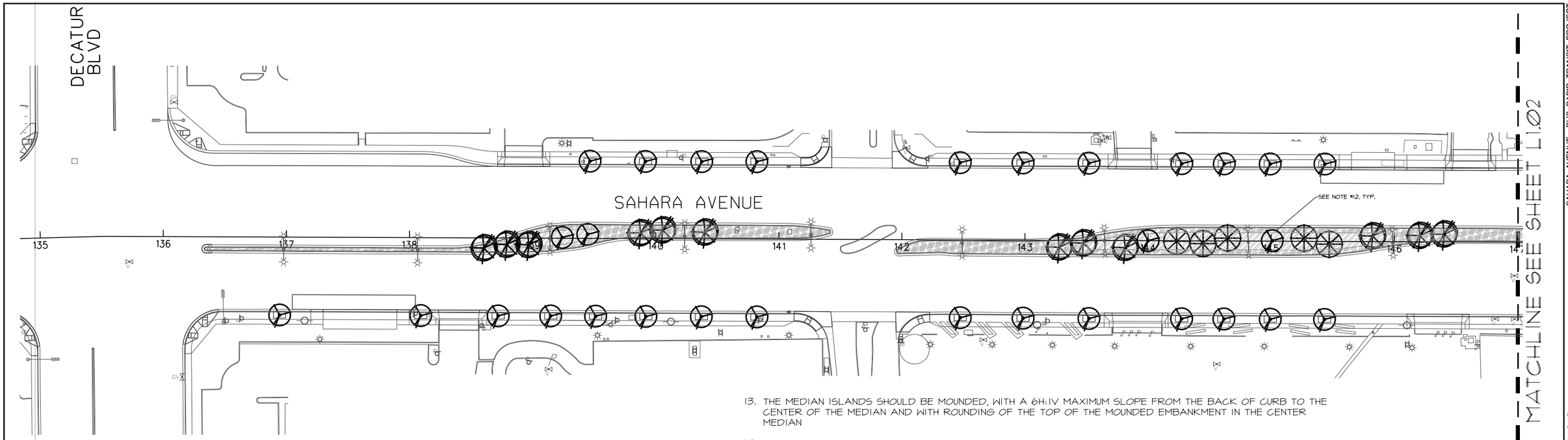
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. H-1

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012



GENERAL NOTES:

1. CONTRACTOR IS RESPONSIBLE TO VERIFY ALL PLANT QUANTITIES. THE PLANT SCHEDULE IS INTENDED AS A REFERENCE ONLY.
2. LANDSCAPE ARCHITECT IS TO APPROVE ALL PLANT MATERIAL PRIOR TO INSTALLATION WITH PRIOR NOTICE OF 48 HOURS.
3. PLANT MATERIAL IS TO HAVE IDENTIFICATION TAGS ON 10% OF THE TOTAL QUANTITY OF EACH SPECIES, SHOWING GENUS, SPECIES, VARIETY, ETC.
4. CONTRACTOR TO PROVIDE MATCHING SIZES AND FORMS OF LIKE SHRUB SPECIES AS SHOWN ON DRAWINGS.
5. CONTRACTOR TO PROVIDE POSITIVE DRAINAGE AWAY FROM ALL STRUCTURES, WALLS, AND ON ALL SIDEWALKS ACCORDING TO ALL CODES, REGULATIONS, AND REQUIREMENTS.
6. DECOMPOSED GRANITE, 1/4" MINUS, COLOR: "APACHE BROWN", 2" DEPTH TYPICAL AND 2"-4" 'APACHE GOLD', 4" DEPTH TYPICAL. ALL TREE WELLS TO HAVE 3/8" MINUS 'APACHE BROWN.' DECOMPOSED GRANITE SHALL CONTAIN 60% AGGREGATE AND 40% FINES. CONTRACTOR TO RECEIVE VERIFICATION FROM ROCK SUPPLIER AND PRESENT VERIFICATION TO THE OWNER PRIOR TO ANY CONSTRUCTION.

   WHOLESALE DEALER:
   KALAMAZOO MATERIALS, INC.
   3909 VEGAS DRIVE
   LAS VEGAS, NV 89108
   TELEPHONE: (702) 296-9131
   CONTACT: TRACEY LOCKWOOD

   OR

   VISTA LANDSCAPE COMPANY
   20 N. GIBSON ROAD
   HENDERSON, NV 89014
   (702) 565-6611

7. CONTRACTOR TO INSTALL ROOT GUARD AT THE PERIMETER/EDGE OF PAVEMENT OF ALL PLANTING AREAS NOTED ON THE PLANTING PLAN. CONTRACTOR TO INSTALL ROOT GUARD PER MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.

   MODEL: UB 24-2
   MANUFACTURER: DEEP ROOT PARTNERS, L.P.
   345 LORTON AVENUE
   BURLINGAME, CA 94010
   TELEPHONE: (800) 458-7668

   OR

   MODEL: EP2450
   MANUFACTURER: NDS
   21820 BURBANK BLVD., SUITE 200
   WOODLAND HILLS, CA 91367
   TELEPHONE: (800) 726-1994

8. CONTRACTOR TO COORDINATE AESTHETIC GRADING WITH ENGINEERING GRADING TO PROVIDE SITE DRAINAGE AS DESIGNED BY THE ENGINEER.
9. 4' X 8' PLANTER BOXES LOCATED ON SOUTHSIDE OF SAHARA FROM STA 858+00 TO STA 883+00. (SEE CIVIL PLANS FOR DETAILS)
10. 5' X 10' TREE WELLS LOCATED FROM DECATUR BLVD. STA 136+00 TO RANCHO DRIVE STA 238+00 AND FROM PARADISE ROAD STA 805+00 TO MOJAVE ROAD STA 950+00 EXCEPT AS NOTED ABOVE IN NOTE 10. (SEE CIVIL PLANS FOR DETAILS)
11. STANDARD TREE WELLS TO BE CENTERED 2.5 FT FROM THE BACK OF EXISTING CURB THROUGHOUT SITE EXCEPT AS NOTED ON PLANS.
12. MEDIAN ISLANDS WILL USE 1/4" MINUS DECOMPOSED GRANITE WITHIN 4 FEET OF THE CURB BUT MAY USE 2-4" ROCK IN WIDE MEDIANS, PLACED AT LEAST 4 FEET BACK OF THE MEDIAN ISLAND CURB
13. THE MEDIAN ISLANDS SHOULD BE MOUNDED, WITH A 6H:1V MAXIMUM SLOPE FROM THE BACK OF CURB TO THE CENTER OF THE MEDIAN AND WITH ROUNDING OF THE TOP OF THE MOUNDED EMBANKMENT IN THE CENTER MEDIAN
14. SIDEWALK FINISH SHALL BE PLAIN (NOT STAMPED OR COLORED)
15. 4FT X 8FT PLANTER BOXES SHALL HAVE DECORATIVE FINISH. THE PLANTER BOXES SHALL HAVE A REDDISH COLOR, BY STAINING OR INTEGRAL PIGMENT. PLANTER BOXES SHALL BE PLACED SUCH THAT THE TOP OF THE BOX EXTENDS NO HIGHER THAN 24 INCHES ABOVE THE CURB. COLOR TO BE APPROVED BY OWNER PRIOR TO PERMANENT APPLICATION.
16. AT THE TIME OF PLANTING, SIDEWALK TREES SHALL HAVE A MINIMUM HEIGHT OF 8.0 FT MEASURED FROM THE TOP OF THE NEAREST CURB TO THE BOTTOM OF THE CANOPY
17. TREES TO BE REMOVED WILL BE DISPOSED OF BY CONTRACTOR AND WILL NOT BE SALVAGED

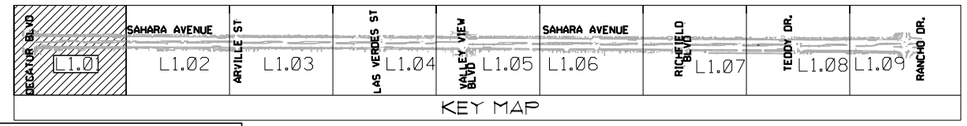
PLANT SCHEDULE

SYMBOL	BOTANICAL NAME	COMMON NAME	QTY.	SIZE	REMARKS
	TREES				
	ACACIA STENOPHYLLA	SHOESTRING ACACIA	493	24" BOX	
	PARKINSONIA (CERCIDIUM) X 'DESERT MUSEUM'	DESERT MUSEUM PALO VERDE	52	36" BOX	
	VITEX AGNUS - CASTUS	CHASTE TREE	289	36" BOX	

SYMBOL

¼" MINUS 'APACHE BROWN' DECOMPOSED GRANITE

2"-4" 'APACHE GOLD' DECOMPOSED GRANITE



RECORD DRAWINGS
DATE: 09/12/12

These record drawings have been reviewed based upon information furnished by others. While this information is believed to be reliable, JW Zunino Landscape Architecture cannot assure their accuracy of these record drawings or any errors or omissions that may have been incorporated as a result. Those relying on these record drawings are advised to obtain independent verification of their accuracy before applying it for any purpose

0 40' 80' 120'
SCALE: 1" = 40'-0"

NORTH

Call before you OVERHEAD
1-702-402-2929
NEVADA POWER ENVIRONMENT AND SAFETY SERVICES DEPARTMENT

Call before you Dig. 811
UNDERGROUND SERVICE ALERT (USA)

REV. NO.	DATE	DESCRIPTION	APPROVED

XREF :
FILE :

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
LANDSCAPE PLANTING PLAN

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: SEC
DESIGNED BY: SEC CHECKED BY: WTS
APPROVED BY WTS

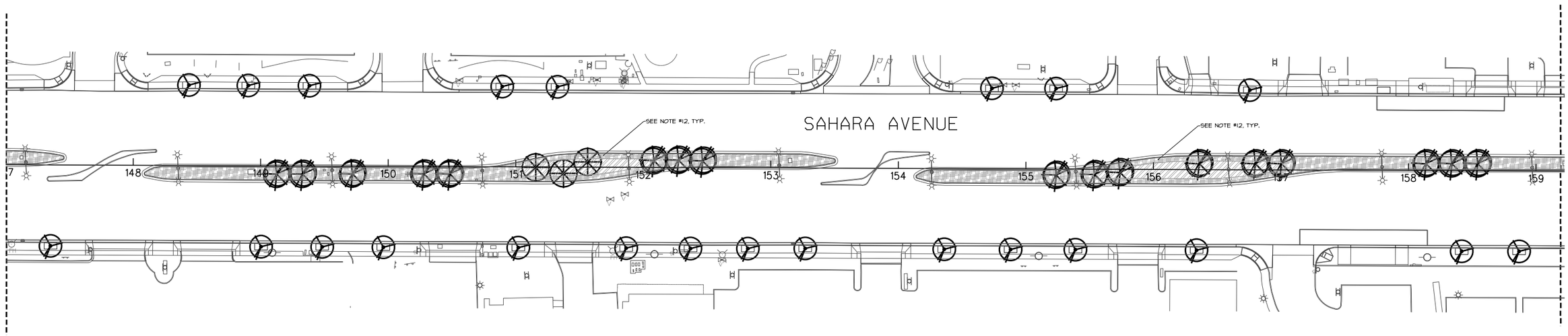
J W ZUNINO LANDSCAPE ARCHITECTURE
LAS VEGAS, NV 3131 SLOANES BLVD. | LAS VEGAS, NV 89146 T 702.253.5080 | F 702.253.1616
CARLSBAD, CA 2241 FARADAY AVE. | CARLSBAD, CA 92009

SCALE
HORIZ : 1"=40'-0"
VERT : NA
FIELD BOOK :
NONE

SHEET No.
L1.01
Sheet 206 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS-BUILT - 05.31.2012



SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

05.31.2012

AS-BUILT -

GENERAL NOTES:

1. CONTRACTOR IS RESPONSIBLE TO VERIFY ALL PLANT QUANTITIES. THE PLANT SCHEDULE IS INTENDED AS A REFERENCE ONLY.
2. LANDSCAPE ARCHITECT IS TO APPROVE ALL PLANT MATERIAL PRIOR TO INSTALLATION WITH PRIOR NOTICE OF 48 HOURS.
3. PLANT MATERIAL IS TO HAVE IDENTIFICATION TAGS ON 10% OF THE TOTAL QUANTITY OF EACH SPECIES, SHOWING GENUS, SPECIES, VARIETY, ETC.
4. CONTRACTOR TO PROVIDE MATCHING SIZES AND FORMS OF LIKE SHRUB SPECIES AS SHOWN ON DRAWINGS.
5. CONTRACTOR TO PROVIDE POSITIVE DRAINAGE AWAY FROM ALL STRUCTURES, WALLS, AND ON ALL SIDEWALKS ACCORDING TO ALL CODES, REGULATIONS, AND REQUIREMENTS.
6. DECOMPOSED GRANITE, 1/4" MINUS, COLOR: "APACHE BROWN", 2" DEPTH TYPICAL AND 2"-4" 'APACHE GOLD', 4" DEPTH TYPICAL. ALL TREE WELLS TO HAVE 3/8" MINUS 'APACHE BROWN.' DECOMPOSED GRANITE SHALL CONTAIN 60% AGGREGATE AND 40% FINES. CONTRACTOR TO RECEIVE VERIFICATION FROM ROCK SUPPLIER AND PRESENT VERIFICATION TO THE OWNER PRIOR TO ANY CONSTRUCTION.

   WHOLESALE DEALER: KALAMAZOO MATERIALS, INC. 3909 VEGAS DRIVE LAS VEGAS, NV 89108 TELEPHONE: (702) 296-9131 CONTACT: TRACEY LOCKWOOD

   OR

   VISTA LANDSCAPE COMPANY 20 N. GIBSON ROAD HENDERSON, NV 89014 (702) 565-6611

7. CONTRACTOR TO INSTALL ROOT GUARD AT THE PERIMETER/EDGE OF PAVEMENT OF ALL PLANTING AREAS NOTED ON THE PLANTING PLAN. CONTRACTOR TO INSTALL ROOT GUARD PER MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.

   MODEL: UB 24-2 MANUFACTURER: DEEP ROOT PARTNERS, L.P. 345 LORTON AVENUE BURLINGAME, CA 94010 TELEPHONE: (800) 458-7668

   OR

   MODEL: EP2450 MANUFACTURER: NDS 21820 BURBANK BLVD., SUITE 200 WOODLAND HILLS, CA 91367 TELEPHONE: (800) 726-1994

8. CONTRACTOR TO COORDINATE AESTHETIC GRADING WITH ENGINEERING GRADING TO PROVIDE SITE DRAINAGE AS DESIGNED BY THE ENGINEER.
9. 4' X 8' PLANTER BOXES LOCATED ON SOUTHSIDE OF SAHARA FROM STA 858+00 TO STA 883+00. (SEE CIVIL PLANS FOR DETAILS)
10. 5' X 10' TREE WELLS LOCATED FROM DECATUR BLVD. STA 136+00 TO RANCHO DRIVE STA 238+00 AND FROM PARADISE ROAD STA 805+00 TO MOJAVE ROAD STA 950+00 EXCEPT AS NOTED ABOVE IN NOTE 10. (SEE CIVIL PLANS FOR DETAILS)
11. STANDARD TREE WELLS TO BE CENTERED 2.5 FT FROM THE BACK OF EXISTING CURB THROUGHOUT SITE EXCEPT AS NOTED ON PLANS.
12. MEDIAN ISLANDS WILL USE 1/4" MINUS DECOMPOSED GRANITE WITHIN 4 FEET OF THE CURB BUT MAY USE 2-4" ROCK IN WIDE MEDIANS, PLACED AT LEAST 4 FEET BACK OF THE MEDIAN ISLAND CURB
13. THE MEDIAN ISLANDS SHOULD BE MOUNDED, WITH A 6H:1V MAXIMUM SLOPE FROM THE BACK OF CURB TO THE CENTER OF THE MEDIAN AND WITH ROUNDING OF THE TOP OF THE MOUNDED EMBANKMENT IN THE CENTER MEDIAN
14. SIDEWALK FINISH SHALL BE PLAIN (NOT STAMPED OR COLORED)
15. 4FT X 8FT PLANTER BOXES SHALL HAVE DECORATIVE FINISH. THE PLANTER BOXES SHALL HAVE A REDDISH COLOR, BY STAINING OR INTEGRAL PIGMENT. PLANTER BOXES SHALL BE PLACED SUCH THAT THE TOP OF THE BOX EXTENDS NO HIGHER THAN 24 INCHES ABOVE THE CURB. COLOR TO BE APPROVED BY OWNER PRIOR TO PERMANENT APPLICATION.
16. AT THE TIME OF PLANTING, SIDEWALK TREES SHALL HAVE A MINIMUM HEIGHT OF 8.0 FT MEASURED FROM THE TOP OF THE NEAREST CURB TO THE BOTTOM OF THE CANOPY
17. TREES TO BE REMOVED WILL BE DISPOSED OF BY CONTRACTOR AND WILL NOT BE SALVAGED

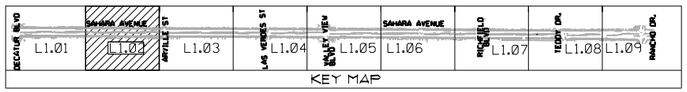
PLANT SCHEDULE

SYMBOL	BOTANICAL NAME	COMMON NAME	QTY.	SIZE	REMARKS
	TREES				
	ACACIA STENOPHYLLA	SHOESTRING ACACIA	493	24" BOX	
	PARKINSONIA (CERCIDIUM) X 'DESERT MUSEUM'	DESERT MUSEUM PALO VERDE	52	36" BOX	
	VITEX AGNUS - CASTUS	CHASTE TREE	289	36" BOX	

SYMBOL

1/4" MINUS 'APACHE BROWN' DECOMPOSED GRANITE

2"-4" 'APACHE GOLD' DECOMPOSED GRANITE



RECORD DRAWINGS
DATE: 09/12/12

These record drawings have been reviewed based upon information furnished by others. While this information is believed to be reliable, JW Zunino Landscape Architecture cannot assure their accuracy of these record drawings or any errors or omissions that may have been incorporated as a result. Those relying on these record drawings are advised to obtain independent verification of their accuracy before applying it for any purpose

REV. NO.	DATE	DESCRIPTION	APPROVED

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
LANDSCAPE PLANTING PLAN

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No:	CB 1083	DRAWN BY:	SEC
DESIGNED BY:	SEC	CHECKED BY:	WTS
APPROVED BY	WTS		

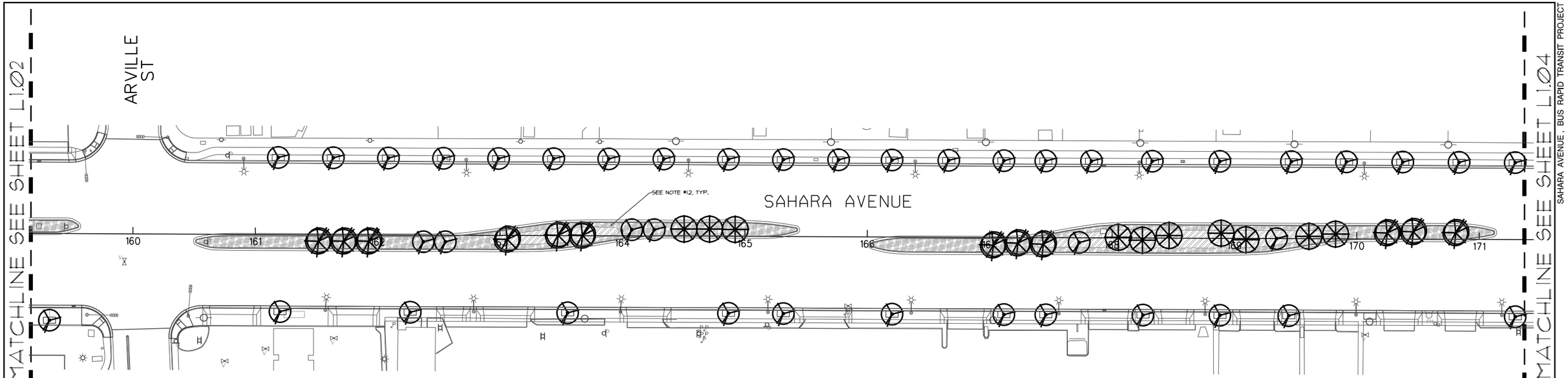
JW ZUNINO LANDSCAPE ARCHITECTURE
LAS VEGAS, NV 3191 SLOAN BLVD. | LAS VEGAS, NV 89146 P 702.253.9300 | F 702.253.1010
CARLSBAD, CA 2240 FARADAY AVE. | CARLSBAD, CA 92008

SCALE
HORIZ: 1"=40'-0"
VERT: NA
FIELD BOOK: NONE

SHEET No. L1.02

Sheet 207 of 592

XREF :
FILE :



GENERAL NOTES:

1. CONTRACTOR IS RESPONSIBLE TO VERIFY ALL PLANT QUANTITIES. THE PLANT SCHEDULE IS INTENDED AS A REFERENCE ONLY.
2. LANDSCAPE ARCHITECT IS TO APPROVE ALL PLANT MATERIAL PRIOR TO INSTALLATION WITH PRIOR NOTICE OF 48 HOURS.
3. PLANT MATERIAL IS TO HAVE IDENTIFICATION TAGS ON 10% OF THE TOTAL QUANTITY OF EACH SPECIES, SHOWING GENUS, SPECIES, VARIETY, ETC.
4. CONTRACTOR TO PROVIDE MATCHING SIZES AND FORMS OF LIKE SHRUB SPECIES AS SHOWN ON DRAWINGS.
5. CONTRACTOR TO PROVIDE POSITIVE DRAINAGE AWAY FROM ALL STRUCTURES, WALLS, AND ON ALL SIDEWALKS ACCORDING TO ALL CODES, REGULATIONS, AND REQUIREMENTS.
6. DECOMPOSED GRANITE, 1/4" MINUS, COLOR: "APACHE BROWN", 2" DEPTH TYPICAL AND 2"-4" 'APACHE GOLD', 4" DEPTH TYPICAL. ALL TREE WELLS TO HAVE 3/8" MINUS 'APACHE BROWN.' DECOMPOSED GRANITE SHALL CONTAIN 60% AGGREGATE AND 40% FINES. CONTRACTOR TO RECEIVE VERIFICATION FROM ROCK SUPPLIER AND PRESENT VERIFICATION TO THE OWNER PRIOR TO ANY CONSTRUCTION.

   WHOLESALE DEALER:
   KALAMAZOO MATERIALS, INC.
   3909 VEGAS DRIVE
   LAS VEGAS, NV 89108
   TELEPHONE: (702) 296-9131
   CONTACT: TRACEY LOCKWOOD

   OR

   VISTA LANDSCAPE COMPANY
   20 N. GIBSON ROAD
   HENDERSON, NV 89014
   (702) 565-6611

7. CONTRACTOR TO INSTALL ROOT GUARD AT THE PERIMETER/EDGE OF PAVEMENT OF ALL PLANTING AREAS NOTED ON THE PLANTING PLAN. CONTRACTOR TO INSTALL ROOT GUARD PER MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.

   MODEL: UB 24-2
   MANUFACTURER: DEEP ROOT PARTNERS, L.P.
   345 LORTON AVENUE
   BURLINGAME, CA 94010
   TELEPHONE: (800) 458-7668

   OR

   MODEL: EP2450
   MANUFACTURER: NDS
   21820 BURBANK BLVD., SUITE 200
   WOODLAND HILLS, CA 91367
   TELEPHONE: (800) 726-1994

8. CONTRACTOR TO COORDINATE AESTHETIC GRADING WITH ENGINEERING GRADING TO PROVIDE SITE DRAINAGE AS DESIGNED BY THE ENGINEER.
9. 4' X 8' PLANTER BOXES LOCATED ON SOUTHSIDE OF SAHARA FROM STA 858+00 TO STA 883+00. (SEE CIVIL PLANS FOR DETAILS)
10. 5' X 10' TREE WELLS LOCATED FROM DECATUR BLVD. STA 136+00 TO RANCHO DRIVE STA 238+00 AND FROM PARADISE ROAD STA 805+00 TO MOJAVE ROAD STA 950+00 EXCEPT AS NOTED ABOVE IN NOTE 10. (SEE CIVIL PLANS FOR DETAILS)
11. STANDARD TREE WELLS TO BE CENTERED 2.5 FT FROM THE BACK OF EXISTING CURB THROUGHOUT SITE EXCEPT AS NOTED ON PLANS.
12. MEDIAN ISLANDS WILL USE 1/4" MINUS DECOMPOSED GRANITE WITHIN 4 FEET OF THE CURB BUT MAY USE 2-4" ROCK IN WIDE MEDIANS, PLACED AT LEAST 4 FEET BACK OF THE MEDIAN ISLAND CURB
13. THE MEDIAN ISLANDS SHOULD BE MOUNDED, WITH A 6H:1V MAXIMUM SLOPE FROM THE BACK OF CURB TO THE CENTER OF THE MEDIAN AND WITH ROUNDING OF THE TOP OF THE MOUNDED EMBANKMENT IN THE CENTER MEDIAN
14. SIDEWALK FINISH SHALL BE PLAIN (NOT STAMPED OR COLORED)
15. 4FT X 8FT PLANTER BOXES SHALL HAVE DECORATIVE FINISH. THE PLANTER BOXES SHALL HAVE A REDDISH COLOR, BY STAINING OR INTEGRAL PIGMENT. PLANTER BOXES SHALL BE PLACED SUCH THAT THE TOP OF THE BOX EXTENDS NO HIGHER THAN 24 INCHES ABOVE THE CURB. COLOR TO BE APPROVED BY OWNER PRIOR TO PERMANENT APPLICATION.
16. AT THE TIME OF PLANTING, SIDEWALK TREES SHALL HAVE A MINIMUM HEIGHT OF 8.0 FT MEASURED FROM THE TOP OF THE NEAREST CURB TO THE BOTTOM OF THE CANOPY
17. TREES TO BE REMOVED WILL BE DISPOSED OF BY CONTRACTOR AND WILL NOT BE SALVAGED

PLANT SCHEDULE

SYMBOL	BOTANICAL NAME	COMMON NAME	QTY.	SIZE	REMARKS
	TREES				
	ACACIA STENOPHYLLA	SHOESTRING ACACIA	493	24" BOX	
	PARKINSONIA (CERCIDIUM) X 'DESERT MUSEUM'	DESERT MUSEUM PALO VERDE	52	36" BOX	
	VITEX AGNUS - CASTUS	CHASTE TREE	289	36" BOX	

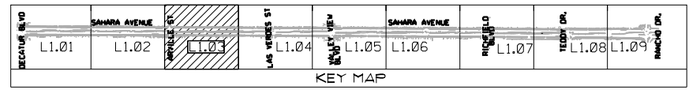
SYMBOL

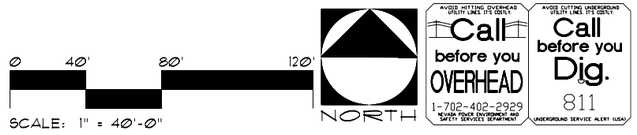
¼" MINUS 'APACHE BROWN' DECOMPOSED GRANITE

2"-4" 'APACHE GOLD' DECOMPOSED GRANITE

RECORD DRAWINGS
DATE: 09/12/12

These record drawings have been reviewed based upon information furnished by others. While this information is believed to be reliable, JW Zunino Landscape Architecture cannot assure their accuracy of these record drawings or any errors or omissions that may have been incorporated as a result. Those relying on these record drawings are advised to obtain independent verification of their accuracy before applying it for any purpose





REV. NO.	DATE	DESCRIPTION	APPROVED

XREF :
FILE :

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
LANDSCAPE PLANTING PLAN

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: SEC
DESIGNED BY: SEC CHECKED BY: WTS
APPROVED BY WTS

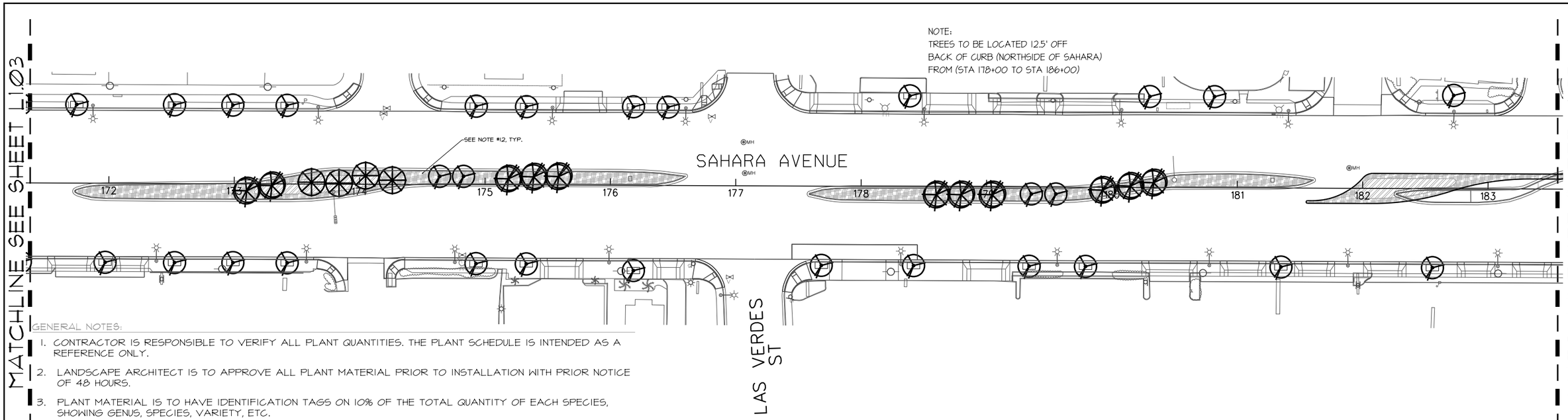
JW ZUNINO LANDSCAPE ARCHITECTURE
LAS VEGAS, NV
3191 SLOWES BLVD. | LAS VEGAS, NV 89146
P 702.253.9300 | F 702.253.1010
CARLSBAD, CA
2240 FARADAY AVE. | CARLSBAD, CA 92008

SCALE
HORIZ : 1"=40'-0"
VERT : NA
FIELD BOOK :
NONE

SHEET No.
L1.03
Sheet 208 of 592

AS-BUILT - 05.31.2012

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT



GENERAL NOTES:

1. CONTRACTOR IS RESPONSIBLE TO VERIFY ALL PLANT QUANTITIES. THE PLANT SCHEDULE IS INTENDED AS A REFERENCE ONLY.
2. LANDSCAPE ARCHITECT IS TO APPROVE ALL PLANT MATERIAL PRIOR TO INSTALLATION WITH PRIOR NOTICE OF 48 HOURS.
3. PLANT MATERIAL IS TO HAVE IDENTIFICATION TAGS ON 10% OF THE TOTAL QUANTITY OF EACH SPECIES, SHOWING GENUS, SPECIES, VARIETY, ETC.
4. CONTRACTOR TO PROVIDE MATCHING SIZES AND FORMS OF LIKE SHRUB SPECIES AS SHOWN ON DRAWINGS.
5. CONTRACTOR TO PROVIDE POSITIVE DRAINAGE AWAY FROM ALL STRUCTURES, WALLS, AND ON ALL SIDEWALKS ACCORDING TO ALL CODES, REGULATIONS, AND REQUIREMENTS.
6. DECOMPOSED GRANITE, 1/4" MINUS, COLOR: "APACHE BROWN", 2" DEPTH TYPICAL AND 2"-4" 'APACHE GOLD', 4" DEPTH TYPICAL. ALL TREE WELLS TO HAVE 3/8" MINUS 'APACHE BROWN.' DECOMPOSED GRANITE SHALL CONTAIN 60% AGGREGATE AND 40% FINES. CONTRACTOR TO RECEIVE VERIFICATION FROM ROCK SUPPLIER AND PRESENT VERIFICATION TO THE OWNER PRIOR TO ANY CONSTRUCTION.

WHOLESALE DEALER: KALAMAZOO MATERIALS, INC. 3909 VEGAS DRIVE LAS VEGAS, NV 89108 TELEPHONE: (702) 296-9131 CONTACT: TRACEY LOCKWOOD	OR	VISTA LANDSCAPE COMPANY 20 N. GIBSON ROAD HENDERSON, NV 89014 (702) 565-6611

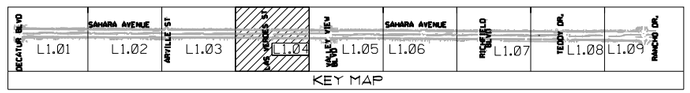
7. CONTRACTOR TO INSTALL ROOT GUARD AT THE PERIMETER/EDGE OF PAVEMENT OF ALL PLANTING AREAS NOTED ON THE PLANTING PLAN. CONTRACTOR TO INSTALL ROOT GUARD PER MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.

MODEL: UB 24-2 MANUFACTURER: DEEP ROOT PARTNERS, L.P. 345 LORTON AVENUE BURLINGAME, CA 94010 TELEPHONE: (800) 458-7668	OR	MODEL: EP2450 MANUFACTURER: NDS 21820 BURBANK BLVD., SUITE 200 WOODLAND HILLS, CA 91367 TELEPHONE: (800) 726-1994

8. CONTRACTOR TO COORDINATE AESTHETIC GRADING WITH ENGINEERING GRADING TO PROVIDE SITE DRAINAGE AS DESIGNED BY THE ENGINEER.
9. 4' X 8' PLANTER BOXES LOCATED ON SOUTHSIDE OF SAHARA FROM STA 858+00 TO STA 883+00. (SEE CIVIL PLANS FOR DETAILS)
10. 5' X 10' TREE WELLS LOCATED FROM DECATUR BLVD. STA 136+00 TO RANCHO DRIVE STA 238+00 AND FROM PARADISE ROAD STA 805+00 TO MOJAVE ROAD STA 950+00 EXCEPT AS NOTED ABOVE IN NOTE 10. (SEE CIVIL PLANS FOR DETAILS)
11. STANDARD TREE WELLS TO BE CENTERED 2.5 FT FROM THE BACK OF EXISTING CURB THROUGHOUT SITE EXCEPT AS NOTED ON PLANS.
12. MEDIAN ISLANDS WILL USE 1/4" MINUS DECOMPOSED GRANITE WITHIN 4 FEET OF THE CURB BUT MAY USE 2-4" ROCK IN WIDE MEDIANS, PLACED AT LEAST 4 FEET BACK OF THE MEDIAN ISLAND CURB
13. THE MEDIAN ISLANDS SHOULD BE MOUNDED, WITH A 6H:1V MAXIMUM SLOPE FROM THE BACK OF CURB TO THE CENTER OF THE MEDIAN AND WITH ROUNDING OF THE TOP OF THE MOUNDED EMBANKMENT IN THE CENTER MEDIAN
14. SIDEWALK FINISH SHALL BE PLAIN (NOT STAMPED OR COLORED)
15. 4FT X 8FT PLANTER BOXES SHALL HAVE DECORATIVE FINISH. THE PLANTER BOXES SHALL HAVE A REDDISH COLOR, BY STAINING OR INTEGRAL PIGMENT. PLANTER BOXES SHALL BE PLACED SUCH THAT THE TOP OF THE BOX EXTENDS NO HIGHER THAN 24 INCHES ABOVE THE CURB. COLOR TO BE APPROVED BY OWNER PRIOR TO PERMANENT APPLICATION.
16. AT THE TIME OF PLANTING, SIDEWALK TREES SHALL HAVE A MINIMUM HEIGHT OF 8.0 FT MEASURED FROM THE TOP OF THE NEAREST CURB TO THE BOTTOM OF THE CANOPY
17. TREES TO BE REMOVED WILL BE DISPOSED OF BY CONTRACTOR AND WILL NOT BE SALVAGED

PLANT SCHEDULE

SYMBOL	BOTANICAL NAME	COMMON NAME	QTY.	SIZE	REMARKS
	TREES				
	ACACIA STENOPHYLLA	SHOESTRING ACACIA	493	24" BOX	
	PARKINSONIA (CERCIDIUM) X 'DESERT MUSEUM'	DESERT MUSEUM PALO VERDE	52	36" BOX	
	VITEX AGNUS - CASTUS	CHASTE TREE	289	36" BOX	
	SYMBOL				
	1/4" MINUS 'APACHE BROWN' DECOMPOSED GRANITE				
	2"-4" 'APACHE GOLD' DECOMPOSED GRANITE				



RECORD DRAWINGS
DATE: 09/12/12

These record drawings have been reviewed based upon information furnished by others. While this information is believed to be reliable, JW Zunino Landscape Architecture cannot assure their accuracy of these record drawings or any errors or omissions that may have been incorporated as a result. Those relying on these record drawings are advised to obtain independent verification of their accuracy before applying it for any purpose

REV. NO.	DATE	DESCRIPTION	APPROVED

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
LANDSCAPE PLANTING PLAN

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No:	CB 1083	DRAWN BY:	SEC
DESIGNED BY:	SEC	CHECKED BY:	WTS
APPROVED BY	WTS		

JW ZUNINO LANDSCAPE ARCHITECTURE
LAS VEGAS, NV — 3191 SLOANES BLVD. | LAS VEGAS, NV 89146 | T 702.253.9300 | F 702.253.1010
CARLSBAD, CA — 2248 FARADAY AVE. | CARLSBAD, CA 92008

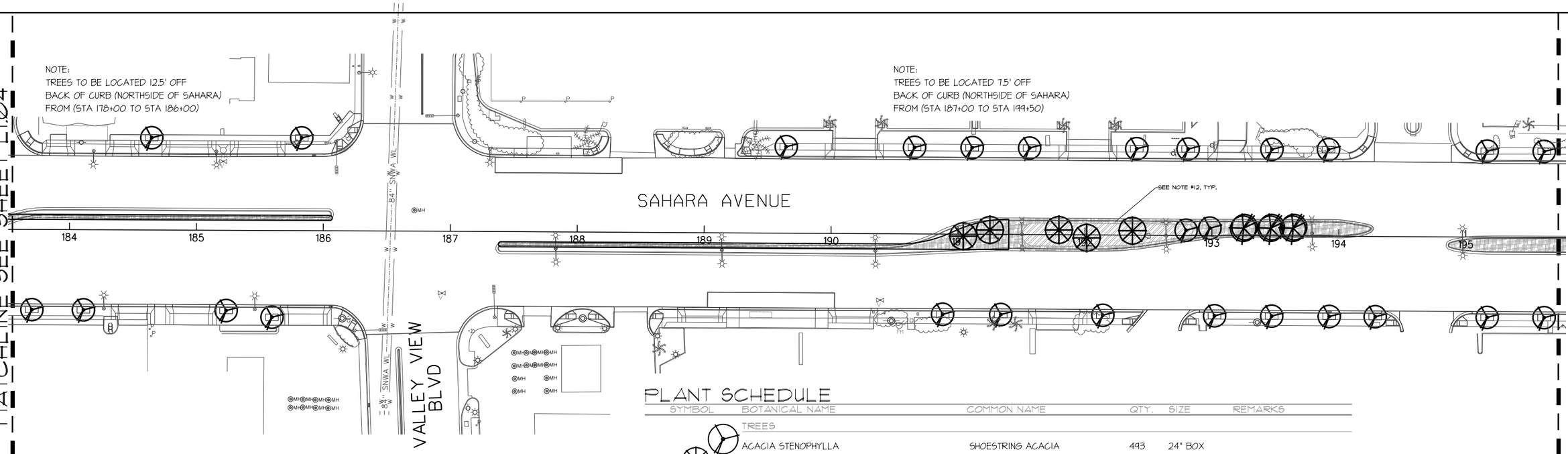
SCALE	SHEET No.
HORIZ : 1"=40'-0"	L1.04
VERT : NA	
FIELD BOOK : NONE	Sheet 209 of 592

XREF :
FILE :

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS-BUILT - 05.31.2012

MATCHLINE SEE SHEET L1.04



MATCHLINE SEE SHEET L1.06

PLANT SCHEDULE

SYMBOL	BOTANICAL NAME	COMMON NAME	QTY.	SIZE	REMARKS
	TREES				
	ACACIA STENOPHYLLA	SHOESTRING ACACIA	493	24" BOX	
	PARKINSONIA (CERCIDIUM) X 'DESERT MUSEUM'	DESERT MUSEUM PALO VERDE	52	36" BOX	
	VITEX AGNUS - CASTUS	CHASTE TREE	289	36" BOX	

SYMBOL	
	¼" MINUS 'APACHE BROWN' DECOMPOSED GRANITE
	2"-4" 'APACHE GOLD' DECOMPOSED GRANITE

GENERAL NOTES:

1. CONTRACTOR IS RESPONSIBLE TO VERIFY ALL PLANT QUANTITIES. THE PLANT SCHEDULE IS INTENDED AS A REFERENCE ONLY.
2. LANDSCAPE ARCHITECT IS TO APPROVE ALL PLANT MATERIAL PRIOR TO INSTALLATION WITH PRIOR NOTICE OF 48 HOURS.
3. PLANT MATERIAL IS TO HAVE IDENTIFICATION TAGS ON 10% OF THE TOTAL QUANTITY OF EACH SPECIES, SHOWING GENUS, SPECIES, VARIETY, ETC.
4. CONTRACTOR TO PROVIDE MATCHING SIZES AND FORMS OF LIKE SHRUB SPECIES AS SHOWN ON DRAWINGS.
5. CONTRACTOR TO PROVIDE POSITIVE DRAINAGE AWAY FROM ALL STRUCTURES, WALLS, AND ON ALL SIDEWALKS ACCORDING TO ALL CODES, REGULATIONS, AND REQUIREMENTS.
6. DECOMPOSED GRANITE, 1/4" MINUS, COLOR: "APACHE BROWN", 2" DEPTH TYPICAL AND 2"-4" 'APACHE GOLD', 4" DEPTH TYPICAL. ALL TREE WELLS TO HAVE 3/8" MINUS 'APACHE BROWN.' DECOMPOSED GRANITE SHALL CONTAIN 60% AGGREGATE AND 40% FINES. CONTRACTOR TO RECEIVE VERIFICATION FROM ROCK SUPPLIER AND PRESENT VERIFICATION TO THE OWNER PRIOR TO ANY CONSTRUCTION.

   WHOLESALE DEALER: KALAMAZOO MATERIALS, INC. 3909 VEGAS DRIVE LAS VEGAS, NV 89108 TELEPHONE: (702) 296-9131 CONTACT: TRACEY LOCKWOOD

   OR

   VISTA LANDSCAPE COMPANY 20 N. GIBSON ROAD HENDERSON, NV 89014 (702) 565-6611

7. CONTRACTOR TO INSTALL ROOT GUARD AT THE PERIMETER/EDGE OF PAVEMENT OF ALL PLANTING AREAS NOTED ON THE PLANTING PLAN. CONTRACTOR TO INSTALL ROOT GUARD PER MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.

   MODEL: UB 24-2 MANUFACTURER: DEEP ROOT PARTNERS, L.P. 345 LORTON AVENUE BURLINGAME, CA 94010 TELEPHONE: (800) 458-7668

   OR

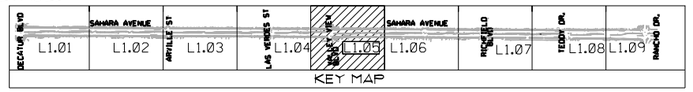
   MODEL: EP2450 MANUFACTURER: NDS 21820 BURBANK BLVD., SUITE 200 WOODLAND HILLS, CA 91367 TELEPHONE: (800) 726-1994

8. CONTRACTOR TO COORDINATE AESTHETIC GRADING WITH ENGINEERING GRADING TO PROVIDE SITE DRAINAGE AS DESIGNED BY THE ENGINEER.
9. 4' X 8' PLANTER BOXES LOCATED ON SOUTHSIDE OF SAHARA FROM STA 858+00 TO STA 883+00. (SEE CIVIL PLANS FOR DETAILS)
10. 5' X 10' TREE WELLS LOCATED FROM DECATUR BLVD. STA 136+00 TO RANCHO DRIVE STA 238+00 AND FROM PARADISE ROAD STA 805+00 TO MOJAVE ROAD STA 950+00 EXCEPT AS NOTED ABOVE IN NOTE 10. (SEE CIVIL PLANS FOR DETAILS)
11. STANDARD TREE WELLS TO BE CENTERED 2.5 FT FROM THE BACK OF EXISTING CURB THROUGHOUT SITE EXCEPT AS NOTED ON PLANS.
12. MEDIAN ISLANDS WILL USE 1/4" MINUS DECOMPOSED GRANITE WITHIN 4 FEET OF THE CURB BUT MAY USE 2-4" ROCK IN WIDE MEDIANS, PLACED AT LEAST 4 FEET BACK OF THE MEDIAN ISLAND CURB
13. THE MEDIAN ISLANDS SHOULD BE MOUNDED, WITH A 6H:1V MAXIMUM SLOPE FROM THE BACK OF CURB TO THE CENTER OF THE MEDIAN AND WITH ROUNDING OF THE TOP OF THE MOUNDED EMBANKMENT IN THE CENTER MEDIAN
14. SIDEWALK FINISH SHALL BE PLAIN (NOT STAMPED OR COLORED)
15. 4FT X 8FT PLANTER BOXES SHALL HAVE DECORATIVE FINISH. THE PLANTER BOXES SHALL HAVE A REDDISH COLOR, BY STAINING OR INTEGRAL PIGMENT. PLANTER BOXES SHALL BE PLACED SUCH THAT THE TOP OF THE BOX EXTENDS NO HIGHER THAN 24 INCHES ABOVE THE CURB. COLOR TO BE APPROVED BY OWNER PRIOR TO PERMANENT APPLICATION.
16. AT THE TIME OF PLANTING, SIDEWALK TREES SHALL HAVE A MINIMUM HEIGHT OF 8.0 FT MEASURED FROM THE TOP OF THE NEAREST CURB TO THE BOTTOM OF THE CANOPY
17. TREES TO BE REMOVED WILL BE DISPOSED OF BY CONTRACTOR AND WILL NOT BE SALVAGED

APPROVED BY:

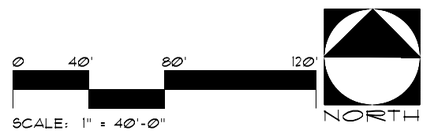
Signature On File 3/3/2011
SOUTHERN NEVADA WATER AUTHORITY DATE

SNWA APPROVAL IS VALID FOR ONE (1) YEAR FROM THE SIGNATURE DATE. IF CONSTRUCTION WITHIN THE EASEMENT OR RESTRICTED PIPE SAFETY ZONE IS NOT COMPLETE, PLANS MUST BE RESUBMITTED TO SNWA FOR APPROVAL.



RECORD DRAWINGS
DATE: 09/12/12

These record drawings have been reviewed based upon information furnished by others. While this information is believed to be reliable, JW Zunino Landscape Architecture cannot assure their accuracy of these record drawings or any errors or omissions that may have been incorporated as a result. Those relying on these record drawings are advised to obtain independent verification of their accuracy before applying it for any purpose



AVOID HITTING OVERHEAD UTILITY LINES IT'S EASY!
Call before you OVERHEAD
1-702-402-2929
NEVADA POWER ENVIRONMENT AND SAFETY SERVICES DEPARTMENT
AVOID CUTTING UNDERGROUND UTILITY LINES IT'S EASY!
Call before you Dig.
811
UNDERGROUND SERVICE ALERT (USA)

REV. NO.	DATE	DESCRIPTION	APPROVED
5	4/29/11	RESPONSE TO AGENCY COMMENTS	WTS
4	3/11/11	ADDITIONAL SHEET ADDED	WTS
3	2/11/11	RESPONSE TO AGENCY COMMENTS	RJP
2	2/11/11	CONFORMED PLAN SET	WTS

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
LANDSCAPE PLANTING PLAN

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

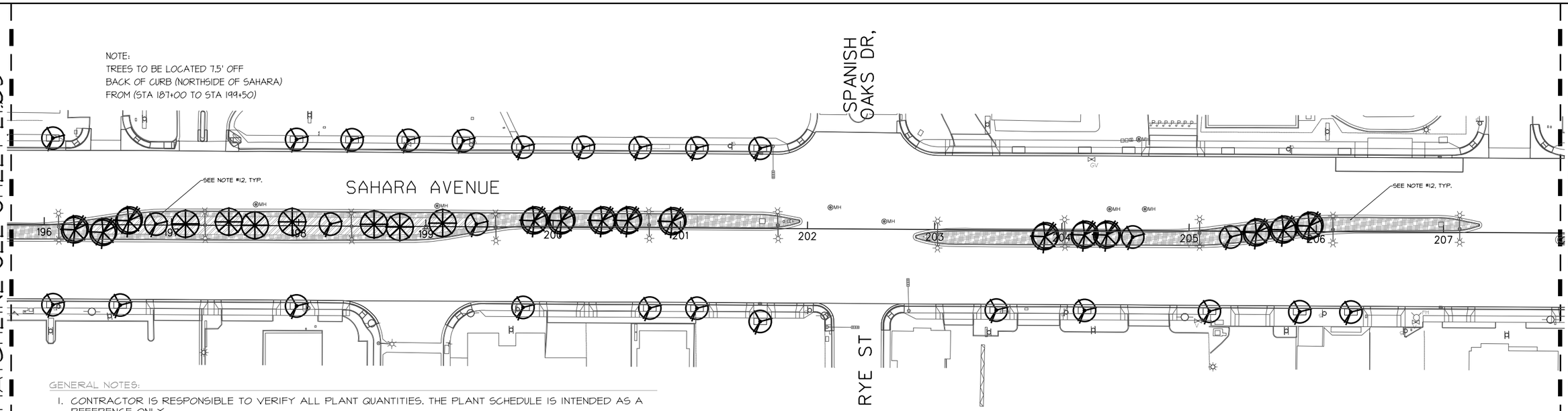
PROJECT No: CB 1083 DRAWN BY: SEC
DESIGNED BY: SEC CHECKED BY: WTS
APPROVED BY WTS

L A S V E G A S N V
3191 SUNRISE BLVD. | LAS VEGAS, NV 89146
P 702.293.5300 | F 702.293.5310
C A R L S B A D C A
2246 FARADAY AVE. | CARLSBAD, CA 92008
J W Z U N I N O
LANDSCAPE ARCHITECTURE

SCALE
HORIZ : 1"=40'-0"
VERT : NA
FIELD BOOK : NONE

SHEET No. L1.05
Sheet 210 of 592

XREF :
FILE :



GENERAL NOTES:

1. CONTRACTOR IS RESPONSIBLE TO VERIFY ALL PLANT QUANTITIES. THE PLANT SCHEDULE IS INTENDED AS A REFERENCE ONLY.
2. LANDSCAPE ARCHITECT IS TO APPROVE ALL PLANT MATERIAL PRIOR TO INSTALLATION WITH PRIOR NOTICE OF 48 HOURS.
3. PLANT MATERIAL IS TO HAVE IDENTIFICATION TAGS ON 10% OF THE TOTAL QUANTITY OF EACH SPECIES, SHOWING GENUS, SPECIES, VARIETY, ETC.
4. CONTRACTOR TO PROVIDE MATCHING SIZES AND FORMS OF LIKE SHRUB SPECIES AS SHOWN ON DRAWINGS.
5. CONTRACTOR TO PROVIDE POSITIVE DRAINAGE AWAY FROM ALL STRUCTURES, WALLS, AND ON ALL SIDEWALKS ACCORDING TO ALL CODES, REGULATIONS, AND REQUIREMENTS.
6. DECOMPOSED GRANITE, 1/4" MINUS, COLOR: "APACHE BROWN", 2" DEPTH TYPICAL AND 2"-4" 'APACHE GOLD', 4" DEPTH TYPICAL. ALL TREE WELLS TO HAVE 3/8" MINUS 'APACHE BROWN.' DECOMPOSED GRANITE SHALL CONTAIN 60% AGGREGATE AND 40% FINES. CONTRACTOR TO RECEIVE VERIFICATION FROM ROCK SUPPLIER AND PRESENT VERIFICATION TO THE OWNER PRIOR TO ANY CONSTRUCTION.

   WHOLESALE DEALER: KALAMAZOO MATERIALS, INC. 3909 VEGAS DRIVE LAS VEGAS, NV 89108 TELEPHONE: (702) 296-9131 CONTACT: TRACEY LOCKWOOD

   OR

   VISTA LANDSCAPE COMPANY 20 N. GIBSON ROAD HENDERSON, NV 89014 (702) 565-6611

7. CONTRACTOR TO INSTALL ROOT GUARD AT THE PERIMETER/EDGE OF PAVEMENT OF ALL PLANTING AREAS NOTED ON THE PLANTING PLAN. CONTRACTOR TO INSTALL ROOT GUARD PER MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.

   MODEL: UB 24-2 MANUFACTURER: DEEP ROOT PARTNERS, L.P. 345 LORTON AVENUE BURLINGAME, CA 94010 TELEPHONE: (800) 458-7668

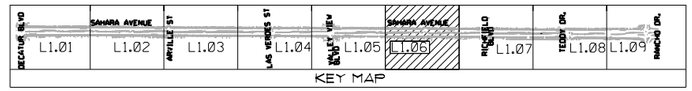
   OR

   MODEL: EP2450 MANUFACTURER: NDS 21820 BURBANK BLVD., SUITE 200 WOODLAND HILLS, CA 91367 TELEPHONE: (800) 726-1994

8. CONTRACTOR TO COORDINATE AESTHETIC GRADING WITH ENGINEERING GRADING TO PROVIDE SITE DRAINAGE AS DESIGNED BY THE ENGINEER.
9. 4' X 8' PLANTER BOXES LOCATED ON SOUTHSIDE OF SAHARA FROM STA 858+00 TO STA 883+00. (SEE CIVIL PLANS FOR DETAILS)
10. 5' X 10' TREE WELLS LOCATED FROM DECATUR BLVD. STA 136+00 TO RANCHO DRIVE STA 238+00 AND FROM PARADISE ROAD STA 805+00 TO MOJAVE ROAD STA 950+00 EXCEPT AS NOTED ABOVE IN NOTE 10. (SEE CIVIL PLANS FOR DETAILS)
11. STANDARD TREE WELLS TO BE CENTERED 2.5 FT FROM THE BACK OF EXISTING CURB THROUGHOUT SITE EXCEPT AS NOTED ON PLANS.
12. MEDIAN ISLANDS WILL USE 1/4" MINUS DECOMPOSED GRANITE WITHIN 4 FEET OF THE CURB BUT MAY USE 2-4" ROCK IN WIDE MEDIANS, PLACED AT LEAST 4 FEET BACK OF THE MEDIAN ISLAND CURB
13. THE MEDIAN ISLANDS SHOULD BE MOUNDED, WITH A 6H:1V MAXIMUM SLOPE FROM THE BACK OF CURB TO THE CENTER OF THE MEDIAN AND WITH ROUNDING OF THE TOP OF THE MOUNDED EMBANKMENT IN THE CENTER MEDIAN
14. SIDEWALK FINISH SHALL BE PLAIN (NOT STAMPED OR COLORED)
15. 4FT X 8FT PLANTER BOXES SHALL HAVE DECORATIVE FINISH. THE PLANTER BOXES SHALL HAVE A REDDISH COLOR, BY STAINING OR INTEGRAL PIGMENT. PLANTER BOXES SHALL BE PLACED SUCH THAT THE TOP OF THE BOX EXTENDS NO HIGHER THAN 24 INCHES ABOVE THE CURB. COLOR TO BE APPROVED BY OWNER PRIOR TO PERMANENT APPLICATION.
16. AT THE TIME OF PLANTING, SIDEWALK TREES SHALL HAVE A MINIMUM HEIGHT OF 8.0 FT MEASURED FROM THE TOP OF THE NEAREST CURB TO THE BOTTOM OF THE CANOPY
17. TREES TO BE REMOVED WILL BE DISPOSED OF BY CONTRACTOR AND WILL NOT BE SALVAGED

PLANT SCHEDULE

SYMBOL	BOTANICAL NAME	COMMON NAME	QTY.	SIZE	REMARKS
	TREES				
	ACACIA STENOPHYLLA	SHOESTRING ACACIA	493	24" BOX	
	PARKINSONIA (CERCIDIUM) X 'DESERT MUSEUM'	DESERT MUSEUM PALO VERDE	52	36" BOX	
	VITEX AGNUS - CASTUS	CHASTE TREE	289	36" BOX	
	SYMBOL				
	1/4" MINUS 'APACHE BROWN' DECOMPOSED GRANITE				
	2"-4" 'APACHE GOLD' DECOMPOSED GRANITE				



RECORD DRAWINGS
DATE: 09/12/12

These record drawings have been reviewed based upon information furnished by others. While this information is believed to be reliable, JW Zunino Landscape Architecture cannot assure their accuracy of these record drawings or any errors or omissions that may have been incorporated as a result. Those relying on these record drawings are advised to obtain independent verification of their accuracy before applying it for any purpose

Call before you OVERHEAD
1-702-402-2929
NEVADA POWER (ENVIRONMENT AND SAFETY SERVICES DEPARTMENT)
Call before you Dig.
811
UNDERGROUND SERVICE ALERT (USA)

REV. NO.	DATE	DESCRIPTION	APPROVED

XREF :
FILE :

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
LANDSCAPE PLANTING PLAN

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

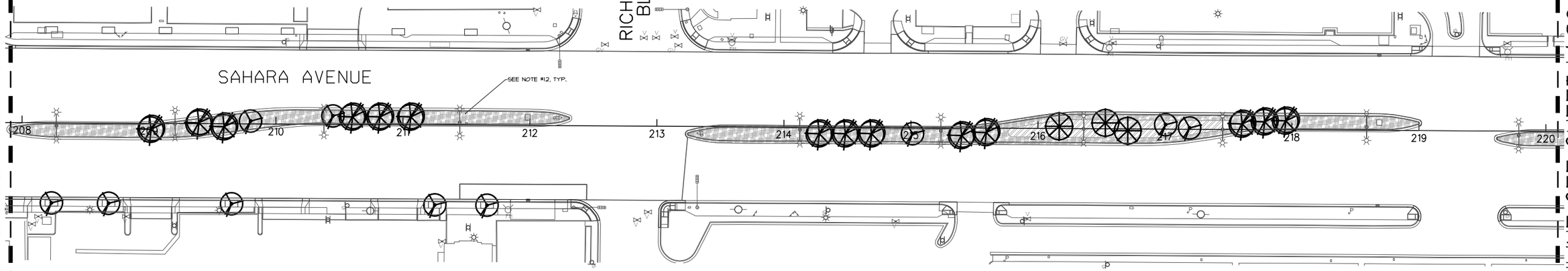
PROJECT No: CB 1083 DRAWN BY: SEC
DESIGNED BY: SEC CHECKED BY: WTS
APPROVED BY WTS

LAS VEGAS, NV
3191 BURNHAM BLVD | LAS VEGAS, NV 89146
P 702.253.9300 | F 702.253.1010
CARLSBAD, CA
2240 FARADAY AVE. | CARLSBAD, CA 92008
JW ZUNINO LANDSCAPE ARCHITECTURE

SCALE
HORIZ : 1"=40'-0"
VERT : NA
FIELD BOOK :
NONE

SHEET No.
L1.06

MATCHLINE SEE SHEET L1.06



MATCHLINE SEE SHEET L1.08

NOTE:
TREES TO BE LOCATED 12.5' OFF
BACK OF CURB (NORTHSIDE OF SAHARA)
FROM (STA 208+00 TO STA 231+00)

GENERAL NOTES:

1. CONTRACTOR IS RESPONSIBLE TO VERIFY ALL PLANT QUANTITIES. THE PLANT SCHEDULE IS INTENDED AS A REFERENCE ONLY.
2. LANDSCAPE ARCHITECT IS TO APPROVE ALL PLANT MATERIAL PRIOR TO INSTALLATION WITH PRIOR NOTICE OF 48 HOURS.
3. PLANT MATERIAL IS TO HAVE IDENTIFICATION TAGS ON 10% OF THE TOTAL QUANTITY OF EACH SPECIES, SHOWING GENUS, SPECIES, VARIETY, ETC.
4. CONTRACTOR TO PROVIDE MATCHING SIZES AND FORMS OF LIKE SHRUB SPECIES AS SHOWN ON DRAWINGS.
5. CONTRACTOR TO PROVIDE POSITIVE DRAINAGE AWAY FROM ALL STRUCTURES, WALLS, AND ON ALL SIDEWALKS ACCORDING TO ALL CODES, REGULATIONS, AND REQUIREMENTS.
6. DECOMPOSED GRANITE, 1/4" MINUS, COLOR: "APACHE BROWN", 2" DEPTH TYPICAL AND 2"-4" 'APACHE GOLD', 4" DEPTH TYPICAL. ALL TREE WELLS TO HAVE 3/8" MINUS 'APACHE BROWN.' DECOMPOSED GRANITE SHALL CONTAIN 60% AGGREGATE AND 40% FINES. CONTRACTOR TO RECEIVE VERIFICATION FROM ROCK SUPPLIER AND PRESENT VERIFICATION TO THE OWNER PRIOR TO ANY CONSTRUCTION.

   WHOLESALE DEALER:
   KALAMAZOO MATERIALS, INC.
   3909 VEGAS DRIVE
   LAS VEGAS, NV 89108
   TELEPHONE: (702) 296-9131
   CONTACT: TRACEY LOCKWOOD

   OR

   VISTA LANDSCAPE COMPANY
   20 N. GIBSON ROAD
   HENDERSON, NV 89014
   (702) 565-6611

7. CONTRACTOR TO INSTALL ROOT GUARD AT THE PERIMETER/EDGE OF PAVEMENT OF ALL PLANTING AREAS NOTED ON THE PLANTING PLAN. CONTRACTOR TO INSTALL ROOT GUARD PER MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.

   MODEL: UB 24-2
   MANUFACTURER: DEEP ROOT PARTNERS, L.P.
   345 LORTON AVENUE
   BURLINGAME, CA 94010
   TELEPHONE: (800) 458-7668

   OR

   MODEL: EP2450
   MANUFACTURER: NDS
   21820 BURBANK BLVD., SUITE 200
   WOODLAND HILLS, CA 91367
   TELEPHONE: (800) 726-1994

8. CONTRACTOR TO COORDINATE AESTHETIC GRADING WITH ENGINEERING GRADING TO PROVIDE SITE DRAINAGE AS DESIGNED BY THE ENGINEER.
9. 4' X 8' PLANTER BOXES LOCATED ON SOUTHSIDE OF SAHARA FROM STA 858+00 TO STA 883+00. (SEE CIVIL PLANS FOR DETAILS)
10. 5' X 10' TREE WELLS LOCATED FROM DECATUR BLVD. STA 136+00 TO RANCHO DRIVE STA 238+00 AND FROM PARADISE ROAD STA 805+00 TO MOJAVE ROAD STA 950+00 EXCEPT AS NOTED ABOVE IN NOTE 10. (SEE CIVIL PLANS FOR DETAILS)
11. STANDARD TREE WELLS TO BE CENTERED 2.5 FT FROM THE BACK OF EXISTING CURB THROUGHOUT SITE EXCEPT AS NOTED ON PLANS.
12. MEDIAN ISLANDS WILL USE 1/4" MINUS DECOMPOSED GRANITE WITHIN 4 FEET OF THE CURB BUT MAY USE 2-4" ROCK IN WIDE MEDIANS, PLACED AT LEAST 4 FEET BACK OF THE MEDIAN ISLAND CURB
13. THE MEDIAN ISLANDS SHOULD BE MOUNDED, WITH A 6H:1V MAXIMUM SLOPE FROM THE BACK OF CURB TO THE CENTER OF THE MEDIAN AND WITH ROUNDING OF THE TOP OF THE MOUNDED EMBANKMENT IN THE CENTER MEDIAN
14. SIDEWALK FINISH SHALL BE PLAIN (NOT STAMPED OR COLORED)
15. 4FT X 8FT PLANTER BOXES SHALL HAVE DECORATIVE FINISH. THE PLANTER BOXES SHALL HAVE A REDDISH COLOR, BY STAINING OR INTEGRAL PIGMENT. PLANTER BOXES SHALL BE PLACED SUCH THAT THE TOP OF THE BOX EXTENDS NO HIGHER THAN 24 INCHES ABOVE THE CURB. COLOR TO BE APPROVED BY OWNER PRIOR TO PERMANENT APPLICATION.
16. AT THE TIME OF PLANTING, SIDEWALK TREES SHALL HAVE A MINIMUM HEIGHT OF 8.0 FT MEASURED FROM THE TOP OF THE NEAREST CURB TO THE BOTTOM OF THE CANOPY
17. TREES TO BE REMOVED WILL BE DISPOSED OF BY CONTRACTOR AND WILL NOT BE SALVAGED

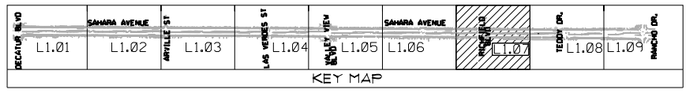
PLANT SCHEDULE

SYMBOL	BOTANICAL NAME	COMMON NAME	QTY.	SIZE	REMARKS
	TREES				
	ACACIA STENOPHYLLA	SHOESTRING ACACIA	493	24" BOX	
	PARKINSONIA (CERCIDIUM) X 'DESERT MUSEUM'	DESERT MUSEUM PALO VERDE	52	36" BOX	
	VITEX AGNUS - CASTUS	CHASTE TREE	289	36" BOX	

SYMBOL

¼" MINUS 'APACHE BROWN' DECOMPOSED GRANITE

2"-4" 'APACHE GOLD' DECOMPOSED GRANITE



RECORD DRAWINGS
DATE: 09/12/12

These record drawings have been reviewed based upon information furnished by others. While this information is believed to be reliable, JW Zunino Landscape Architecture cannot assure their accuracy of these record drawings or any errors or omissions that may have been incorporated as a result. Those relying on these record drawings are advised to obtain independent verification of their accuracy before applying it for any purpose

AVOID HITTING OVERHEAD UTILITY LINES (15 FEET)
Call before you OVERHEAD
1-702-402-2929
NEVADA POWER ENVIRONMENT AND SAFETY SERVICES DEPARTMENT

AVOID CUTTING UNDERGROUND UTILITY LINES (15 FEET)
Call before you Dig.
811
UNDERGROUND SERVICE ALERT (USA)

REV. NO.	DATE	DESCRIPTION	APPROVED

XREF :
FILE :

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
LANDSCAPE PLANTING PLAN

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: SEC
DESIGNED BY: SEC CHECKED BY: WTS
APPROVED BY WTS

JW ZUNINO LANDSCAPE ARCHITECTURE
LAS VEGAS, NV
3191 SUNRISE BLVD. | LAS VEGAS, NV 89149
T 702.253.2500 | F 702.253.1616
CARLSBAD, CA
2246 FARADAY AVE. | CARLSBAD, CA 92008

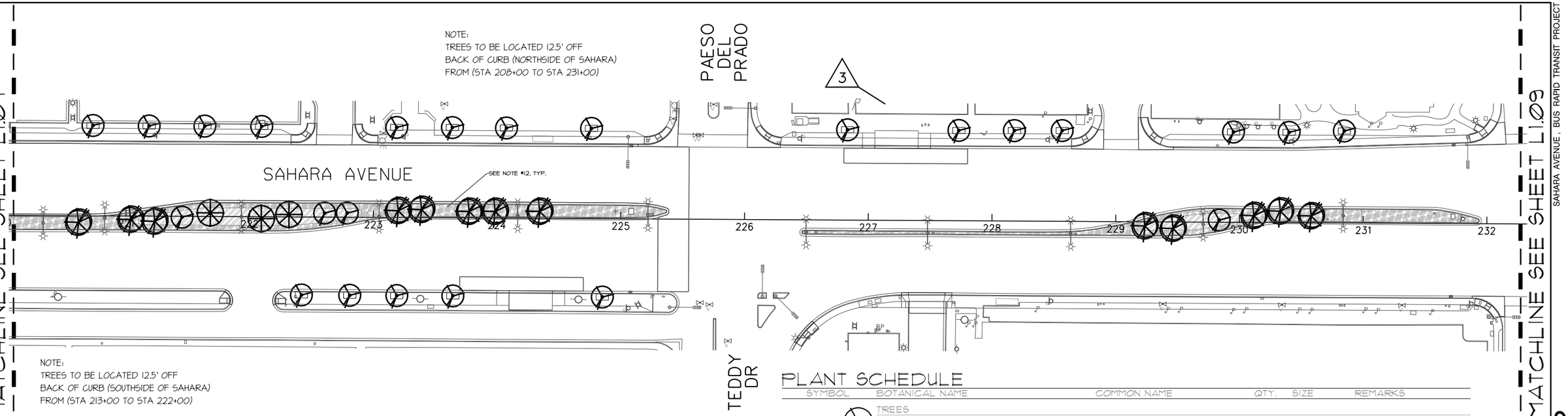
SCALE
HORIZ : 1"=40'-0"
VERT : NA
FIELD BOOK :
NONE

SHEET No.
L1.07
Sheet 212 of 592

MATCHLINE SEE SHEET L1.Ø7

MATCHLINE SEE SHEET L1.Ø9

NOTE:
TREES TO BE LOCATED 12.5' OFF
BACK OF CURB (NORTHSIDE OF SAHARA)
FROM (STA 208+00 TO STA 231+00)



NOTE:
TREES TO BE LOCATED 12.5' OFF
BACK OF CURB (SOUTHSIDE OF SAHARA)
FROM (STA 213+00 TO STA 222+00)

PLANT SCHEDULE

SYMBOL	BOTANICAL NAME	COMMON NAME	QTY.	SIZE	REMARKS
	TREES				
	ACACIA STENOPHYLLA	SHOESTRING ACACIA	493	24" BOX	
	PARKINSONIA (CERCIDIUM) X 'DESERT MUSEUM'	DESERT MUSEUM PALO VERDE	52	36" BOX	
	VITEX AGNUS - CASTUS	CHASTE TREE	289	36" BOX	

SYMBOL

¼" MINUS 'APACHE BROWN' DECOMPOSED GRANITE

2"-4" 'APACHE GOLD' DECOMPOSED GRANITE

GENERAL NOTES:

1. CONTRACTOR IS RESPONSIBLE TO VERIFY ALL PLANT QUANTITIES. THE PLANT SCHEDULE IS INTENDED AS A REFERENCE ONLY.
2. LANDSCAPE ARCHITECT IS TO APPROVE ALL PLANT MATERIAL PRIOR TO INSTALLATION WITH PRIOR NOTICE OF 48 HOURS.
3. PLANT MATERIAL IS TO HAVE IDENTIFICATION TAGS ON 10% OF THE TOTAL QUANTITY OF EACH SPECIES, SHOWING GENUS, SPECIES, VARIETY, ETC.
4. CONTRACTOR TO PROVIDE MATCHING SIZES AND FORMS OF LIKE SHRUB SPECIES AS SHOWN ON DRAWINGS.
5. CONTRACTOR TO PROVIDE POSITIVE DRAINAGE AWAY FROM ALL STRUCTURES, WALLS, AND ON ALL SIDEWALKS ACCORDING TO ALL CODES, REGULATIONS, AND REQUIREMENTS.
6. DECOMPOSED GRANITE, 1/4" MINUS, COLOR: "APACHE BROWN", 2" DEPTH TYPICAL AND 2"-4" 'APACHE GOLD', 4" DEPTH TYPICAL. ALL TREE WELLS TO HAVE 3/8" MINUS 'APACHE BROWN.' DECOMPOSED GRANITE SHALL CONTAIN 60% AGGREGATE AND 40% FINES. CONTRACTOR TO RECEIVE VERIFICATION FROM ROCK SUPPLIER AND PRESENT VERIFICATION TO THE OWNER PRIOR TO ANY CONSTRUCTION.

   WHOLESALE DEALER:
   KALAMAZOO MATERIALS, INC.
   3909 VEGAS DRIVE
   LAS VEGAS, NV 89108
   TELEPHONE: (702) 246-9131
   CONTACT: TRACEY LOCKWOOD

   OR

   VISTA LANDSCAPE COMPANY
   20 N. GIBSON ROAD
   HENDERSON, NV 89014
   (702) 565-6611

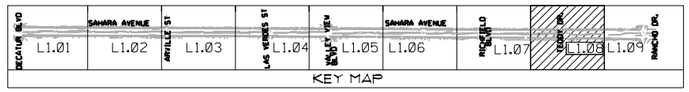
7. CONTRACTOR TO INSTALL ROOT GUARD AT THE PERIMETER/EDGE OF PAVEMENT OF ALL PLANTING AREAS NOTED ON THE PLANTING PLAN. CONTRACTOR TO INSTALL ROOT GUARD PER MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.

   MODEL: UB 24-2
   MANUFACTURER: DEEP ROOT PARTNERS, L.P.
   345 LORTON AVENUE
   BURLINGAME, CA 94010
   TELEPHONE: (800) 458-7668

   OR

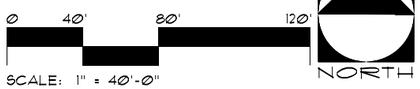
   MODEL: EP2450
   MANUFACTURER: NDS
   21820 BURBANK BLVD., SUITE 200
   WOODLAND HILLS, CA 91367
   TELEPHONE: (800) 726-1994

8. CONTRACTOR TO COORDINATE AESTHETIC GRADING WITH ENGINEERING GRADING TO PROVIDE SITE DRAINAGE AS DESIGNED BY THE ENGINEER.
9. 4' X 8' PLANTER BOXES LOCATED ON SOUTHSIDE OF SAHARA FROM STA 858+00 TO STA 883+00. (SEE CIVIL PLANS FOR DETAILS)
10. 5' X 10' TREE WELLS LOCATED FROM DECATUR BLVD. STA 136+00 TO RANCHO DRIVE STA 238+00 AND FROM PARADISE ROAD STA 805+00 TO MOJAVE ROAD STA 950+00 EXCEPT AS NOTED ABOVE IN NOTE 10. (SEE CIVIL PLANS FOR DETAILS)
11. STANDARD TREE WELLS TO BE CENTERED 2.5 FT FROM THE BACK OF EXISTING CURB THROUGHOUT SITE EXCEPT AS NOTED ON PLANS.
12. MEDIAN ISLANDS WILL USE 1/4" MINUS DECOMPOSED GRANITE WITHIN 4 FEET OF THE CURB BUT MAY USE 2-4" ROCK IN WIDE MEDIANS, PLACED AT LEAST 4 FEET BACK OF THE MEDIAN ISLAND CURB
13. THE MEDIAN ISLANDS SHOULD BE MOUNDED, WITH A 6H:1V MAXIMUM SLOPE FROM THE BACK OF CURB TO THE CENTER OF THE MEDIAN AND WITH ROUNDING OF THE TOP OF THE MOUNDED EMBANKMENT IN THE CENTER MEDIAN
14. SIDEWALK FINISH SHALL BE PLAIN (NOT STAMPED OR COLORED)
15. 4FT X 8FT PLANTER BOXES SHALL HAVE DECORATIVE FINISH. THE PLANTER BOXES SHALL HAVE A REDDISH COLOR, BY STAINING OR INTEGRAL PIGMENT. PLANTER BOXES SHALL BE PLACED SUCH THAT THE TOP OF THE BOX EXTENDS NO HIGHER THAN 24 INCHES ABOVE THE CURB. COLOR TO BE APPROVED BY OWNER PRIOR TO PERMANENT APPLICATION.
16. AT THE TIME OF PLANTING, SIDEWALK TREES SHALL HAVE A MINIMUM HEIGHT OF 8.0 FT MEASURED FROM THE TOP OF THE NEAREST CURB TO THE BOTTOM OF THE CANOPY
17. TREES TO BE REMOVED WILL BE DISPOSED OF BY CONTRACTOR AND WILL NOT BE SALVAGED



RECORD DRAWINGS
DATE: 09/12/12

These record drawings have been reviewed based upon information furnished by others. While this information is believed to be reliable, JW Zunino Landscape Architecture cannot assure their accuracy of these record drawings or any errors or omissions that may have been incorporated as a result. Those relying on these record drawings are advised to obtain independent verification of their accuracy before applying it for any purpose



REV. NO.	DATE	DESCRIPTION	APPROVED

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
LANDSCAPE PLANTING PLAN

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

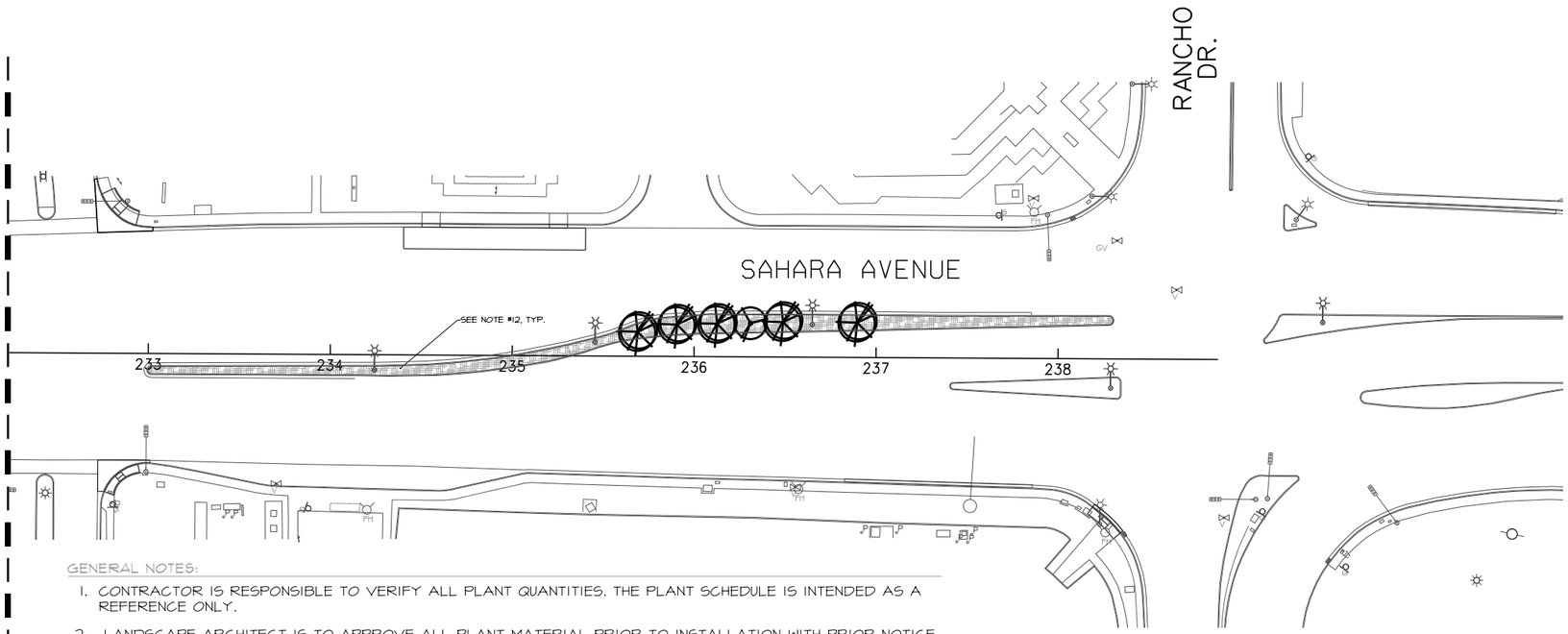
PROJECT No:	CB 1083	DRAWN BY:	SEC
DESIGNED BY:	SEC	CHECKED BY:	WTS
APPROVED BY	WTS		

JW ZUNINO LANDSCAPE ARCHITECTURE
LAS VEGAS, NV
3131 BLONDES BLVD | LAS VEGAS, NV 89146
P 702.353.3300 | F 702.353.3301
CARLSBAD, CA
2240 FARADAY AVE. | CARLSBAD, CA 92008

SCALE	SHEET No.
HORIZ : 1"=40'-0"	L1.08
VERT : NA	
FIELD BOOK : NONE	Sheet 213 of 592

XREF :
FILE :

MATCHLINE SEE SHEET L1.08



GENERAL NOTES:

1. CONTRACTOR IS RESPONSIBLE TO VERIFY ALL PLANT QUANTITIES. THE PLANT SCHEDULE IS INTENDED AS A REFERENCE ONLY.
2. LANDSCAPE ARCHITECT IS TO APPROVE ALL PLANT MATERIAL PRIOR TO INSTALLATION WITH PRIOR NOTICE OF 48 HOURS.
3. PLANT MATERIAL IS TO HAVE IDENTIFICATION TAGS ON 10% OF THE TOTAL QUANTITY OF EACH SPECIES, SHOWING GENUS, SPECIES, VARIETY, ETC.
4. CONTRACTOR TO PROVIDE MATCHING SIZES AND FORMS OF LIKE SHRUB SPECIES AS SHOWN ON DRAWINGS.
5. CONTRACTOR TO PROVIDE POSITIVE DRAINAGE AWAY FROM ALL STRUCTURES, WALLS, AND ON ALL SIDEWALKS ACCORDING TO ALL CODES, REGULATIONS, AND REQUIREMENTS.
6. DECOMPOSED GRANITE, 1/4" MINUS, COLOR: "APACHE BROWN", 2" DEPTH TYPICAL AND 2"-4" 'APACHE GOLD', 4" DEPTH TYPICAL. ALL TREE WELLS TO HAVE 3/8" MINUS 'APACHE BROWN.' DECOMPOSED GRANITE SHALL CONTAIN 60% AGGREGATE AND 40% FINES. CONTRACTOR TO RECEIVE VERIFICATION FROM ROCK SUPPLIER AND PRESENT VERIFICATION TO THE OWNER PRIOR TO ANY CONSTRUCTION.

   WHOLESALE DEALER:
   KALAMAZOO MATERIALS, INC.
   3909 VEGAS DRIVE
   LAS VEGAS, NV 89108
   TELEPHONE: (702) 296-9131
   CONTACT: TRACEY LOCKWOOD

   OR

   VISTA LANDSCAPE COMPANY
   20 N. GIBSON ROAD
   HENDERSON, NV 89014
   (702) 565-6611

7. CONTRACTOR TO INSTALL ROOT GUARD AT THE PERIMETER/EDGE OF PAVEMENT OF ALL PLANTING AREAS NOTED ON THE PLANTING PLAN. CONTRACTOR TO INSTALL ROOT GUARD PER MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.

   MODEL: UB 24-2
   MANUFACTURER: DEEP ROOT PARTNERS, L.P.
   345 LORTON AVENUE
   BURLINGAME, CA 94010
   TELEPHONE: (800) 458-7668

   OR

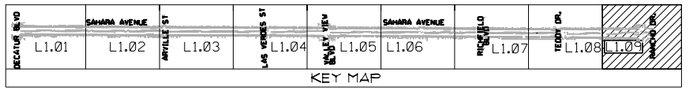
   MODEL: EP2450
   MANUFACTURER: NDS
   21820 BURBANK BLVD., SUITE 200
   WOODLAND HILLS, CA 91367
   TELEPHONE: (800) 726-1994

8. CONTRACTOR TO COORDINATE AESTHETIC GRADING WITH ENGINEERING GRADING TO PROVIDE SITE DRAINAGE AS DESIGNED BY THE ENGINEER.
9. 4' X 8' PLANTER BOXES LOCATED ON SOUTHSIDE OF SAHARA FROM STA 858+00 TO STA 883+00. (SEE CIVIL PLANS FOR DETAILS)
10. 5' X 10' TREE WELLS LOCATED FROM DECATUR BLVD. STA 136+00 TO RANCHO DRIVE STA 238+00 AND FROM PARADISE ROAD STA 805+00 TO MOJAVE ROAD STA 950+00 EXCEPT AS NOTED ABOVE IN NOTE 10. (SEE CIVIL PLANS FOR DETAILS)
11. STANDARD TREE WELLS TO BE CENTERED 2.5 FT FROM THE BACK OF EXISTING CURB THROUGHOUT SITE EXCEPT AS NOTED ON PLANS.
12. MEDIAN ISLANDS WILL USE 1/4" MINUS DECOMPOSED GRANITE WITHIN 4 FEET OF THE CURB BUT MAY USE 2-4" ROCK IN WIDE MEDIANS, PLACED AT LEAST 4 FEET BACK OF THE MEDIAN ISLAND CURB
13. THE MEDIAN ISLANDS SHOULD BE MOUNDED, WITH A 6H:1V MAXIMUM SLOPE FROM THE BACK OF CURB TO THE CENTER OF THE MEDIAN AND WITH ROUNDING OF THE TOP OF THE MOUNDED EMBANKMENT IN THE CENTER MEDIAN
14. SIDEWALK FINISH SHALL BE PLAIN (NOT STAMPED OR COLORED)
15. 4FT X 8FT PLANTER BOXES SHALL HAVE DECORATIVE FINISH. THE PLANTER BOXES SHALL HAVE A REDDISH COLOR, BY STAINING OR INTEGRAL PIGMENT. PLANTER BOXES SHALL BE PLACED SUCH THAT THE TOP OF THE BOX EXTENDS NO HIGHER THAN 24 INCHES ABOVE THE CURB. COLOR TO BE APPROVED BY OWNER PRIOR TO PERMANENT APPLICATION.
16. AT THE TIME OF PLANTING, SIDEWALK TREES SHALL HAVE A MINIMUM HEIGHT OF 8.0 FT MEASURED FROM THE TOP OF THE NEAREST CURB TO THE BOTTOM OF THE CANOPY
17. TREES TO BE REMOVED WILL BE DISPOSED OF BY CONTRACTOR AND WILL NOT BE SALVAGED

PLANT SCHEDULE

SYMBOL	BOTANICAL NAME	COMMON NAME	QTY.	SIZE	REMARKS
	TREES				
	ACACIA STENOPHYLLA	SHOESTRING ACACIA	493	24" BOX	
	PARKINSONIA (CERCIDIUM) X 'DESERT MUSEUM'	DESERT MUSEUM PALO VERDE	52	36" BOX	
	VITEX AGNUS - CASTUS	CHASTE TREE	289	36" BOX	

SYMBOL	
	1/4" MINUS 'APACHE BROWN' DECOMPOSED GRANITE
	2"-4" 'APACHE GOLD' DECOMPOSED GRANITE



RECORD DRAWINGS
DATE: 09/12/12

These record drawings have been reviewed based upon information furnished by others. While this information is believed to be reliable, JW Zunino Landscape Architecture cannot assure their accuracy of these record drawings or any errors or omissions that may have been incorporated as a result. Those relying on these record drawings are advised to obtain independent verification of their accuracy before applying it for any purpose

0 40' 80' 120'
SCALE: 1" = 40'-0"

NORTH

Call before you OVERHEAD 1-702-402-2929 NEVADA POWER ENVIRONMENT AND SAFETY SERVICES DEPARTMENT

Call before you Dig. 811 UNDERGROUND SERVICE ALERT (USA)

REV. NO.	DATE	DESCRIPTION	APPROVED

XREF :
FILE :

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
LANDSCAPE PLANTING PLAN

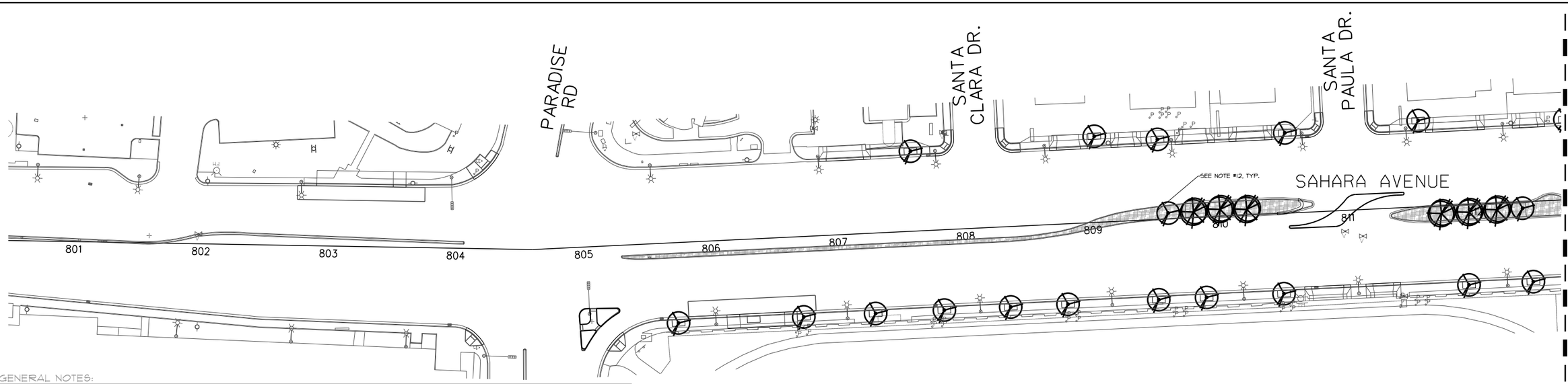
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No:	CB 1083	DRAWN BY:	SEC
DESIGNED BY:	SEC	CHECKED BY:	WTS
APPROVED BY	WTS		

JW ZUNINO LANDSCAPE ARCHITECTURE
LAS VEGAS, NV
3191 BLONDE BLVD. I LAS VEGAS, NV 89146
T 702.253.3300 I F 702.253.1010
CARLSBAD, CA
2240 FARADAY AVE. I CARLSBAD, CA 92008

SCALE
HORIZ : 1"=40'-0"
VERT : NA
FIELD BOOK :
NONE

SHEET No.
L1.09



MATCHLINE SEE SHEET L.1.11

GENERAL NOTES:

1. CONTRACTOR IS RESPONSIBLE TO VERIFY ALL PLANT QUANTITIES. THE PLANT SCHEDULE IS INTENDED AS A REFERENCE ONLY.
2. LANDSCAPE ARCHITECT IS TO APPROVE ALL PLANT MATERIAL PRIOR TO INSTALLATION WITH PRIOR NOTICE OF 48 HOURS.
3. PLANT MATERIAL IS TO HAVE IDENTIFICATION TAGS ON 10% OF THE TOTAL QUANTITY OF EACH SPECIES, SHOWING GENUS, SPECIES, VARIETY, ETC.
4. CONTRACTOR TO PROVIDE MATCHING SIZES AND FORMS OF LIKE SHRUB SPECIES AS SHOWN ON DRAWINGS.
5. CONTRACTOR TO PROVIDE POSITIVE DRAINAGE AWAY FROM ALL STRUCTURES, WALLS, AND ON ALL SIDEWALKS ACCORDING TO ALL CODES, REGULATIONS, AND REQUIREMENTS.
6. DECOMPOSED GRANITE, 1/4" MINUS, COLOR: "APACHE BROWN", 2" DEPTH TYPICAL AND 2"-4" 'APACHE GOLD', 4" DEPTH TYPICAL. ALL TREE WELLS TO HAVE 3/8" MINUS 'APACHE BROWN.' DECOMPOSED GRANITE SHALL CONTAIN 60% AGGREGATE AND 40% FINES. CONTRACTOR TO RECEIVE VERIFICATION FROM ROCK SUPPLIER AND PRESENT VERIFICATION TO THE OWNER PRIOR TO ANY CONSTRUCTION.

   WHOLESALE DEALER: KALAMAZOO MATERIALS, INC. 3909 VEGAS DRIVE LAS VEGAS, NV 89108 TELEPHONE: (702) 296-9131 CONTACT: TRACEY LOCKWOOD

   OR

   VISTA LANDSCAPE COMPANY 20 N. GIBSON ROAD HENDERSON, NV 89014 (702) 565-6611

7. CONTRACTOR TO INSTALL ROOT GUARD AT THE PERIMETER/EDGE OF PAVEMENT OF ALL PLANTING AREAS NOTED ON THE PLANTING PLAN. CONTRACTOR TO INSTALL ROOT GUARD PER MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.

   MODEL: UB 24-2 MANUFACTURER: DEEP ROOT PARTNERS, L.P. 345 LORTON AVENUE BURLINGAME, CA 94010 TELEPHONE: (800) 458-7668

   OR

   MODEL: EP2450 MANUFACTURER: NDS 21820 BURBANK BLVD., SUITE 200 WOODLAND HILLS, CA 91367 TELEPHONE: (800) 726-1994

8. CONTRACTOR TO COORDINATE AESTHETIC GRADING WITH ENGINEERING GRADING TO PROVIDE SITE DRAINAGE AS DESIGNED BY THE ENGINEER.
9. 4' X 8' PLANTER BOXES LOCATED ON SOUTHSIDE OF SAHARA FROM STA 858+00 TO STA 883+00. (SEE CIVIL PLANS FOR DETAILS)
10. 5' X 10' TREE WELLS LOCATED FROM DECATUR BLVD. STA 136+00 TO RANCHO DRIVE STA 238+00 AND FROM PARADISE ROAD STA 805+00 TO MOJAVE ROAD STA 950+00 EXCEPT AS NOTED ABOVE IN NOTE 10. (SEE CIVIL PLANS FOR DETAILS)
11. STANDARD TREE WELLS TO BE CENTERED 2.5 FT FROM THE BACK OF EXISTING CURB THROUGHOUT SITE EXCEPT AS NOTED ON PLANS.
12. MEDIAN ISLANDS WILL USE 1/4" MINUS DECOMPOSED GRANITE WITHIN 4 FEET OF THE CURB BUT MAY USE 2-4" ROCK IN WIDE MEDIANS, PLACED AT LEAST 4 FEET BACK OF THE MEDIAN ISLAND CURB
13. THE MEDIAN ISLANDS SHOULD BE MOUNDED, WITH A 6H:1V MAXIMUM SLOPE FROM THE BACK OF CURB TO THE CENTER OF THE MEDIAN AND WITH ROUNDING OF THE TOP OF THE MOUNDED EMBANKMENT IN THE CENTER MEDIAN
14. SIDEWALK FINISH SHALL BE PLAIN (NOT STAMPED OR COLORED)
15. 4FT X 8FT PLANTER BOXES SHALL HAVE DECORATIVE FINISH. THE PLANTER BOXES SHALL HAVE A REDDISH COLOR, BY STAINING OR INTEGRAL PIGMENT. PLANTER BOXES SHALL BE PLACED SUCH THAT THE TOP OF THE BOX EXTENDS NO HIGHER THAN 24 INCHES ABOVE THE CURB. COLOR TO BE APPROVED BY OWNER PRIOR TO PERMANENT APPLICATION.
16. AT THE TIME OF PLANTING, SIDEWALK TREES SHALL HAVE A MINIMUM HEIGHT OF 8.0 FT MEASURED FROM THE TOP OF THE NEAREST CURB TO THE BOTTOM OF THE CANOPY
17. TREES TO BE REMOVED WILL BE DISPOSED OF BY CONTRACTOR AND WILL NOT BE SALVAGED

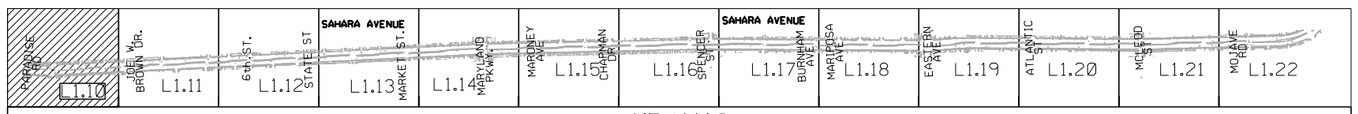
PLANT SCHEDULE

SYMBOL	BOTANICAL NAME	COMMON NAME	QTY.	SIZE	REMARKS
	TREES				
	ACACIA STENOPHYLLA	SHOESTRING ACACIA	443	24" BOX	
	PARKINSONIA (CERCIDIUM) X 'DESERT MUSEUM'	DESERT MUSEUM PALO VERDE	52	36" BOX	
	VITEX AGNUS - CASTUS	CHASTE TREE	289	36" BOX	

SYMBOL

¼" MINUS 'APACHE BROWN' DECOMPOSED GRANITE

2"-4" 'APACHE GOLD' DECOMPOSED GRANITE



KEY MAP

RECORD DRAWINGS
DATE: 09/12/12

These record drawings have been reviewed based upon information furnished by others. While this information is believed to be reliable, JW Zunino Landscape Architecture cannot assure their accuracy of these record drawings or any errors or omissions that may have been incorporated as a result. Those relying on these record drawings are advised to obtain independent verification of their accuracy before applying it for any purpose

0 40' 80' 120'

SCALE: 1" = 40'-0"

NORTH

AVOID HITTING OVERHEAD UTILITY LINES. IT'S COSTLY. Call before you OVERHEAD 1-702-402-2929 NV ENERGY, TOLICO, SNV WORKING, AND SAFETY SERVICES DEPARTMENT

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call before you Dig. 811 UNDERGROUND SERVICE ALERT (USA)

REV. NO.	DATE	DESCRIPTION	APPROVED

XREF :
FILE :

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

LANDSCAPE PLANTING PLAN

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No:	CB 1083	DRAWN BY:	SEC
DESIGNED BY:	SEC	CHECKED BY:	WTS
APPROVED BY	WTS		

JW ZUNINO LANDSCAPE ARCHITECTURE
LAS VEGAS, NV 3191 BLOMFIELD BLVD. | LAS VEGAS, NV 89146 | P 702.253.9300 | F 702.253.1010
CARLSBAD, CA 2240 FARADAY AVE. | CARLSBAD, CA 92008

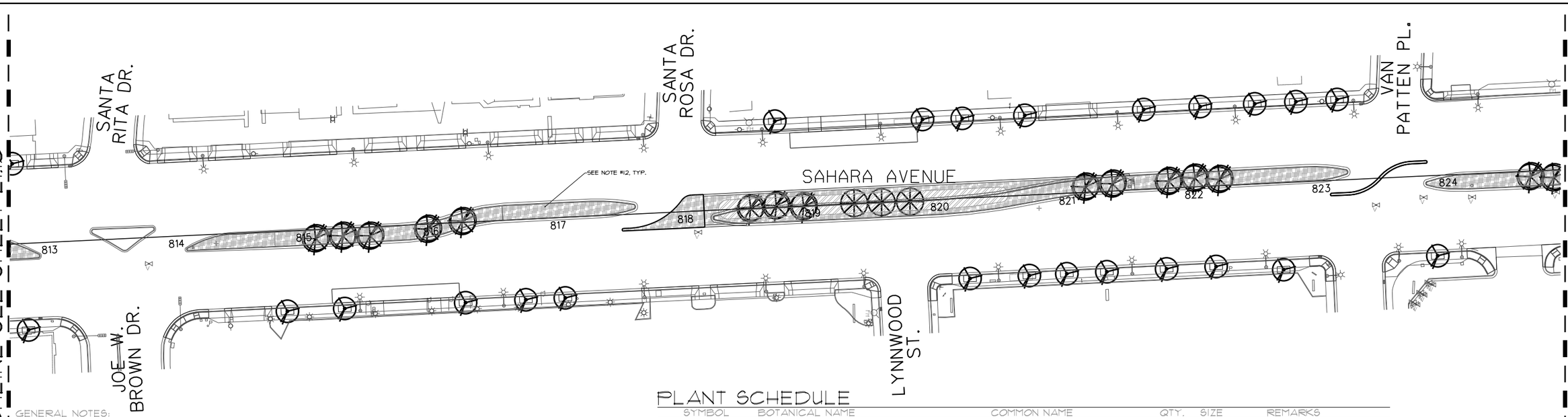
SCALE
HORIZ : 1"=40'-0"
VERT : NA
FIELD BOOK : NONE

SHEET No. L1.10

Sheet 215 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS-BUILT - 05.31.2012



SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS-BUILT - 05.31.2012

PLANT SCHEDULE

SYMBOL	BOTANICAL NAME	COMMON NAME	QTY.	SIZE	REMARKS
	TREES				
	ACACIA STENOPHYLLA	SHOESTRING ACACIA	493	24" BOX	
	PARKINSONIA (CERCIDIUM) X 'DESERT MUSEUM'	DESERT MUSEUM PALO VERDE	52	36" BOX	
	VITEX AGNUS - CASTUS	CHASTE TREE	289	36" BOX	
	SYMBOL				
		¼" MINUS 'APACHE BROWN' DECOMPOSED GRANITE			
		2"-4" 'APACHE GOLD' DECOMPOSED GRANITE			

GENERAL NOTES:

1. CONTRACTOR IS RESPONSIBLE TO VERIFY ALL PLANT QUANTITIES. THE PLANT SCHEDULE IS INTENDED AS A REFERENCE ONLY.
2. LANDSCAPE ARCHITECT IS TO APPROVE ALL PLANT MATERIAL PRIOR TO INSTALLATION WITH PRIOR NOTICE OF 48 HOURS.
3. PLANT MATERIAL IS TO HAVE IDENTIFICATION TAGS ON 10% OF THE TOTAL QUANTITY OF EACH SPECIES, SHOWING GENUS, SPECIES, VARIETY, ETC.
4. CONTRACTOR TO PROVIDE MATCHING SIZES AND FORMS OF LIKE SHRUB SPECIES AS SHOWN ON DRAWINGS.
5. CONTRACTOR TO PROVIDE POSITIVE DRAINAGE AWAY FROM ALL STRUCTURES, WALLS, AND ON ALL SIDEWALKS ACCORDING TO ALL CODES, REGULATIONS, AND REQUIREMENTS.
6. DECOMPOSED GRANITE, 1/4" MINUS, COLOR: "APACHE BROWN", 2" DEPTH TYPICAL AND 2"-4" 'APACHE GOLD', 4" DEPTH TYPICAL. ALL TREE WELLS TO HAVE 3/8" MINUS 'APACHE BROWN.' DECOMPOSED GRANITE SHALL CONTAIN 60% AGGREGATE AND 40% FINES. CONTRACTOR TO RECEIVE VERIFICATION FROM ROCK SUPPLIER AND PRESENT VERIFICATION TO THE OWNER PRIOR TO ANY CONSTRUCTION.

   WHOLESALE DEALER:
   KALAMAZOO MATERIALS, INC.
   3909 VEGAS DRIVE
   LAS VEGAS, NV 89108
   TELEPHONE: (702) 296-9131
   CONTACT: TRACEY LOCKWOOD

   OR

   VISTA LANDSCAPE COMPANY
   20 N. GIBSON ROAD
   HENDERSON, NV 89014
   (702) 565-6611

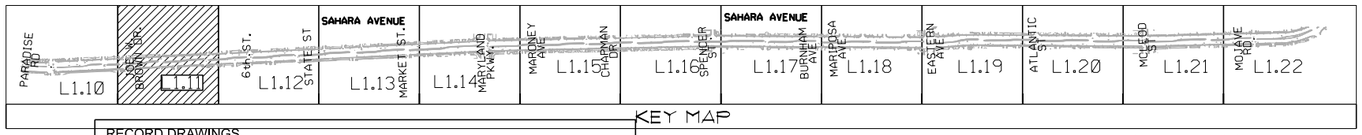
7. CONTRACTOR TO INSTALL ROOT GUARD AT THE PERIMETER/EDGE OF PAVEMENT OF ALL PLANTING AREAS NOTED ON THE PLANTING PLAN. CONTRACTOR TO INSTALL ROOT GUARD PER MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.

   MODEL: UB 24-2
   MANUFACTURER: DEEP ROOT PARTNERS, L.P.
   345 LORTON AVENUE
   BURLINGAME, CA 94010
   TELEPHONE: (800) 458-7668

   OR

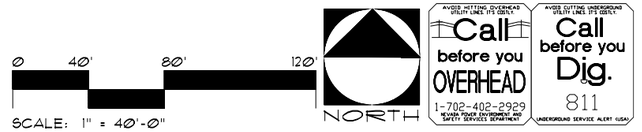
   MODEL: EP2450
   MANUFACTURER: NDS
   21820 BURBANK BLVD., SUITE 200
   WOODLAND HILLS, CA 91367
   TELEPHONE: (800) 726-1994

8. CONTRACTOR TO COORDINATE AESTHETIC GRADING WITH ENGINEERING GRADING TO PROVIDE SITE DRAINAGE AS DESIGNED BY THE ENGINEER.
9. 4' X 8' PLANTER BOXES LOCATED ON SOUTHSIDE OF SAHARA FROM STA 858+00 TO STA 883+00. (SEE CIVIL PLANS FOR DETAILS)
10. 5' X 10' TREE WELLS LOCATED FROM DECATUR BLVD. STA 136+00 TO RANCHO DRIVE STA 238+00 AND FROM PARADISE ROAD STA 805+00 TO MOJAVE ROAD STA 950+00 EXCEPT AS NOTED ABOVE IN NOTE 10. (SEE CIVIL PLANS FOR DETAILS)
11. STANDARD TREE WELLS TO BE CENTERED 2.5 FT FROM THE BACK OF EXISTING CURB THROUGHOUT SITE EXCEPT AS NOTED ON PLANS.
12. MEDIAN ISLANDS WILL USE 1/4" MINUS DECOMPOSED GRANITE WITHIN 4 FEET OF THE CURB BUT MAY USE 2-4" ROCK IN WIDE MEDIANS, PLACED AT LEAST 4 FEET BACK OF THE MEDIAN ISLAND CURB
13. THE MEDIAN ISLANDS SHOULD BE MOUNDED, WITH A 6H:1V MAXIMUM SLOPE FROM THE BACK OF CURB TO THE CENTER OF THE MEDIAN AND WITH ROUNDING OF THE TOP OF THE MOUNDED EMBANKMENT IN THE CENTER MEDIAN
14. SIDEWALK FINISH SHALL BE PLAIN (NOT STAMPED OR COLORED)
15. 4FT X 8FT PLANTER BOXES SHALL HAVE DECORATIVE FINISH. THE PLANTER BOXES SHALL HAVE A REDDISH COLOR, BY STAINING OR INTEGRAL PIGMENT. PLANTER BOXES SHALL BE PLACED SUCH THAT THE TOP OF THE BOX EXTENDS NO HIGHER THAN 24 INCHES ABOVE THE CURB. COLOR TO BE APPROVED BY OWNER PRIOR TO PERMANENT APPLICATION.
16. AT THE TIME OF PLANTING, SIDEWALK TREES SHALL HAVE A MINIMUM HEIGHT OF 8.0 FT MEASURED FROM THE TOP OF THE NEAREST CURB TO THE BOTTOM OF THE CANOPY
17. TREES TO BE REMOVED WILL BE DISPOSED OF BY CONTRACTOR AND WILL NOT BE SALVAGED



RECORD DRAWINGS
DATE: 09/12/12

These record drawings have been reviewed based upon information furnished by others. While this information is believed to be reliable, JW Zunino Landscape Architecture cannot assure their accuracy of these record drawings or any errors or omissions that may have been incorporated as a result. Those relying on these record drawings are advised to obtain independent verification of their accuracy before applying it for any purpose



REV. NO.	DATE	DESCRIPTION	APPROVED

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

LANDSCAPE PLANTING PLAN

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No:	CB 1083	DRAWN BY:	SEC
DESIGNED BY:	SEC	CHECKED BY:	WTS
APPROVED BY	WTS		

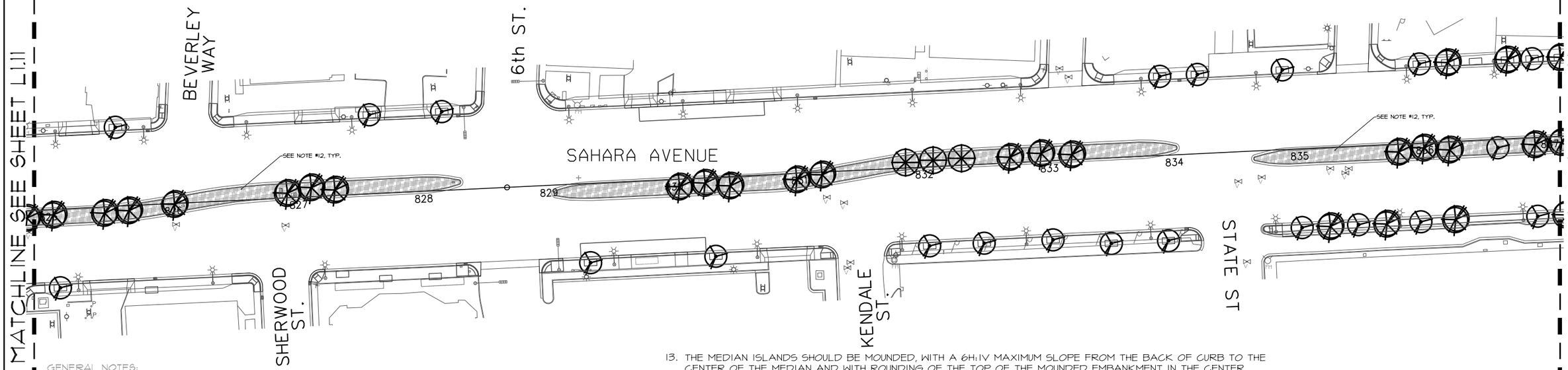
JW ZUNINO LANDSCAPE ARCHITECTURE
LAS VEGAS NV 5191 S JONES BLVD | LAS VEGAS, NV 89148 T 702.792.2330 | F 702.795.1016
CARLSBAD CA 2241 FARADAY AVE. | CARLSBAD, CA 92008

SCALE
HORIZ: 1"=40'-0"
VERT: NA
FIELD BOOK: NONE

SHEET No. L1.11

Sheet 216 of 592

XREF :
FILE :



GENERAL NOTES:

1. CONTRACTOR IS RESPONSIBLE TO VERIFY ALL PLANT QUANTITIES. THE PLANT SCHEDULE IS INTENDED AS A REFERENCE ONLY.
2. LANDSCAPE ARCHITECT IS TO APPROVE ALL PLANT MATERIAL PRIOR TO INSTALLATION WITH PRIOR NOTICE OF 48 HOURS.
3. PLANT MATERIAL IS TO HAVE IDENTIFICATION TAGS ON 10% OF THE TOTAL QUANTITY OF EACH SPECIES, SHOWING GENUS, SPECIES, VARIETY, ETC.
4. CONTRACTOR TO PROVIDE MATCHING SIZES AND FORMS OF LIKE SHRUB SPECIES AS SHOWN ON DRAWINGS.
5. CONTRACTOR TO PROVIDE POSITIVE DRAINAGE AWAY FROM ALL STRUCTURES, WALLS, AND ON ALL SIDEWALKS ACCORDING TO ALL CODES, REGULATIONS, AND REQUIREMENTS.
6. DECOMPOSED GRANITE, 1/4" MINUS, COLOR: "APACHE BROWN", 2" DEPTH TYPICAL AND 2"-4" 'APACHE GOLD', 4" DEPTH TYPICAL. ALL TREE WELLS TO HAVE 3/8" MINUS 'APACHE BROWN.' DECOMPOSED GRANITE SHALL CONTAIN 60% AGGREGATE AND 40% FINES. CONTRACTOR TO RECEIVE VERIFICATION FROM ROCK SUPPLIER AND PRESENT VERIFICATION TO THE OWNER PRIOR TO ANY CONSTRUCTION.

   WHOLESALE DEALER: KALAMAZOO MATERIALS, INC. 3909 VEGAS DRIVE LAS VEGAS, NV 89108 TELEPHONE: (702) 296-9131 CONTACT: TRACEY LOCKWOOD

   OR

   VISTA LANDSCAPE COMPANY 20 N. GIBSON ROAD HENDERSON, NV 89014 (702) 565-6611

7. CONTRACTOR TO INSTALL ROOT GUARD AT THE PERIMETER/EDGE OF PAVEMENT OF ALL PLANTING AREAS NOTED ON THE PLANTING PLAN. CONTRACTOR TO INSTALL ROOT GUARD PER MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.

   MODEL: UB 24-2 MANUFACTURER: DEEP ROOT PARTNERS, L.P. 345 LORTON AVENUE BURLINGAME, CA 94010 TELEPHONE: (800) 458-7668

   OR

   MODEL: EP2450 MANUFACTURER: NDS 21820 BURBANK BLVD., SUITE 200 WOODLAND HILLS, CA 91367 TELEPHONE: (800) 726-1994

8. CONTRACTOR TO COORDINATE AESTHETIC GRADING WITH ENGINEERING GRADING TO PROVIDE SITE DRAINAGE AS DESIGNED BY THE ENGINEER.
9. 4' X 8' PLANTER BOXES LOCATED ON SOUTHSIDE OF SAHARA FROM STA 858+00 TO STA 883+00. (SEE CIVIL PLANS FOR DETAILS)
10. 5' X 10' TREE WELLS LOCATED FROM DECATUR BLVD. STA 136+00 TO RANCHO DRIVE STA 238+00 AND FROM PARADISE ROAD STA 805+00 TO MOJAVE ROAD STA 950+00 EXCEPT AS NOTED ABOVE IN NOTE 10. (SEE CIVIL PLANS FOR DETAILS)
11. STANDARD TREE WELLS TO BE CENTERED 2.5 FT FROM THE BACK OF EXISTING CURB THROUGHOUT SITE EXCEPT AS NOTED ON PLANS.
12. MEDIAN ISLANDS WILL USE 1/4" MINUS DECOMPOSED GRANITE WITHIN 4 FEET OF THE CURB BUT MAY USE 2-4" ROCK IN WIDE MEDIANS, PLACED AT LEAST 4 FEET BACK OF THE MEDIAN ISLAND CURB
13. THE MEDIAN ISLANDS SHOULD BE MOUNDED, WITH A 6H:1V MAXIMUM SLOPE FROM THE BACK OF CURB TO THE CENTER OF THE MEDIAN AND WITH ROUNDING OF THE TOP OF THE MOUNDED EMBANKMENT IN THE CENTER MEDIAN
14. SIDEWALK FINISH SHALL BE PLAIN (NOT STAMPED OR COLORED)
15. 4FT X 8FT PLANTER BOXES SHALL HAVE DECORATIVE FINISH. THE PLANTER BOXES SHALL HAVE A REDDISH COLOR, BY STAINING OR INTEGRAL PIGMENT. PLANTER BOXES SHALL BE PLACED SUCH THAT THE TOP OF THE BOX EXTENDS NO HIGHER THAN 24 INCHES ABOVE THE CURB. COLOR TO BE APPROVED BY OWNER PRIOR TO PERMANENT APPLICATION.
16. AT THE TIME OF PLANTING, SIDEWALK TREES SHALL HAVE A MINIMUM HEIGHT OF 8.0 FT MEASURED FROM THE TOP OF THE NEAREST CURB TO THE BOTTOM OF THE CANOPY
17. TREES TO BE REMOVED WILL BE DISPOSED OF BY CONTRACTOR AND WILL NOT BE SALVAGED

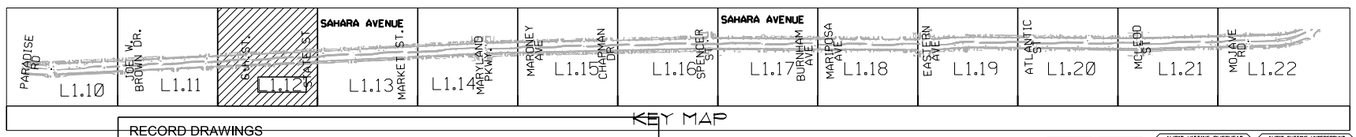
PLANT SCHEDULE

SYMBOL	BOTANICAL NAME	COMMON NAME	QTY.	SIZE	REMARKS
	TREES				
	ACACIA STENOPHYLLA	SHOESTRING ACACIA	493	24" BOX	
	PARKINSONIA (CERCIDIUM) X 'DESERT MUSEUM'	DESERT MUSEUM PALO VERDE	52	36" BOX	
	VITEX AGNUS - CASTUS	CHASTE TREE	289	36" BOX	

SYMBOL

1/4" MINUS 'APACHE BROWN' DECOMPOSED GRANITE

2"-4" 'APACHE GOLD' DECOMPOSED GRANITE



RECORD DRAWINGS
DATE: 09/12/12

These record drawings have been reviewed based upon information furnished by others. While this information is believed to be reliable, JW Zunino Landscape Architecture cannot assure their accuracy of these record drawings or any errors or omissions that may have been incorporated as a result. Those relying on these record drawings are advised to obtain independent verification of their accuracy before applying it for any purpose

0 40' 80' 120'
SCALE: 1" = 40'-0"

NORTH

Call before you OVERHEAD 1-702-402-2929 NEVADA POWER (SOUTHERN) AND SAFETY SERVICES DEPARTMENT

Call before you Dig. 811 UNDERGROUND SERVICE ALERT (USA)

AS-BUILT - 05.31.2012

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

REV. NO.	DATE	DESCRIPTION	APPROVED

XREF :
FILE :

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
LANDSCAPE PLANTING PLAN

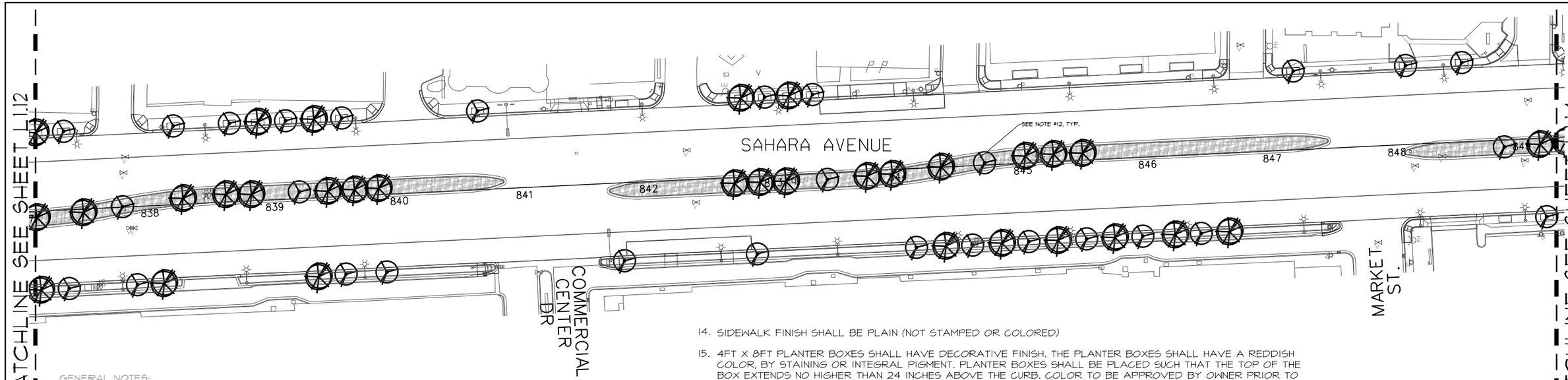
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: SEC
DESIGNED BY: SEC CHECKED BY: WTS
APPROVED BY WTS

LAS VEGAS, NV 3131 BLOMFIELD BLVD. LAS VEGAS, NV 89146 P 702.253.9300 F 702.253.1010
CARLSBAD, CA 2240 FARADAY AVE., STE CARLSBAD, CA 92008
JW ZUNINO LANDSCAPE ARCHITECTURE

SCALE
HORIZ : 1"=40'-0"
VERT : NA
FIELD BOOK : NONE

SHEET No. L1.12



GENERAL NOTES:

1. CONTRACTOR IS RESPONSIBLE TO VERIFY ALL PLANT QUANTITIES. THE PLANT SCHEDULE IS INTENDED AS A REFERENCE ONLY.
2. LANDSCAPE ARCHITECT IS TO APPROVE ALL PLANT MATERIAL PRIOR TO INSTALLATION WITH PRIOR NOTICE OF 48 HOURS.
3. PLANT MATERIAL IS TO HAVE IDENTIFICATION TAGS ON 10% OF THE TOTAL QUANTITY OF EACH SPECIES, SHOWING GENUS, SPECIES, VARIETY, ETC.
4. CONTRACTOR TO PROVIDE MATCHING SIZES AND FORMS OF LIKE SHRUB SPECIES AS SHOWN ON DRAWINGS.
5. CONTRACTOR TO PROVIDE POSITIVE DRAINAGE AWAY FROM ALL STRUCTURES, WALLS, AND ON ALL SIDEWALKS ACCORDING TO ALL CODES, REGULATIONS, AND REQUIREMENTS.
6. DECOMPOSED GRANITE, 1/4" MINUS, COLOR: "APACHE BROWN", 2" DEPTH TYPICAL AND 2"-4" 'APACHE GOLD', 4" DEPTH TYPICAL. ALL TREE WELLS TO HAVE 3/8" MINUS 'APACHE BROWN.' DECOMPOSED GRANITE SHALL CONTAIN 60% AGGREGATE AND 40% FINES. CONTRACTOR TO RECEIVE VERIFICATION FROM ROCK SUPPLIER AND PRESENT VERIFICATION TO THE OWNER PRIOR TO ANY CONSTRUCTION.

   WHOLESALE DEALER: KALAMAZOO MATERIALS, INC. 3909 VEGAS DRIVE LAS VEGAS, NV 89108 TELEPHONE: (702) 296-9131 CONTACT: TRACEY LOCKWOOD

   OR

   VISTA LANDSCAPE COMPANY 20 N. GIBSON ROAD HENDERSON, NV 89014 (702) 565-6611
7. CONTRACTOR TO INSTALL ROOT GUARD AT THE PERIMETER/EDGE OF PAVEMENT OF ALL PLANTING AREAS NOTED ON THE PLANTING PLAN. CONTRACTOR TO INSTALL ROOT GUARD PER MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.

   MODEL: UB 24-2 MANUFACTURER: DEEP ROOT PARTNERS, L.P. 345 LORTON AVENUE BURLINGAME, CA 94010 TELEPHONE: (800) 458-7668

   OR

   MODEL: EP2450 MANUFACTURER: NDS 21820 BURBANK BLVD., SUITE 200 WOODLAND HILLS, CA 91367 TELEPHONE: (800) 726-1994
8. CONTRACTOR TO COORDINATE AESTHETIC GRADING WITH ENGINEERING GRADING TO PROVIDE SITE DRAINAGE AS DESIGNED BY THE ENGINEER.
9. 4' X 8' PLANTER BOXES LOCATED ON SOUTHSIDE OF SAHARA FROM STA 858+00 TO STA 883+00. (SEE CIVIL PLANS FOR DETAILS)
10. 5' X 10' TREE WELLS LOCATED FROM DECATUR BLVD. STA 136+00 TO RANCHO DRIVE STA 238+00 AND FROM PARADISE ROAD STA 805+00 TO MOJAVE ROAD STA 950+00 EXCEPT AS NOTED ABOVE IN NOTE 10. (SEE CIVIL PLANS FOR DETAILS)
11. STANDARD TREE WELLS TO BE CENTERED 2.5 FT FROM THE BACK OF EXISTING CURB THROUGHOUT SITE EXCEPT AS NOTED ON PLANS.
12. MEDIAN ISLANDS WILL USE 1/4" MINUS DECOMPOSED GRANITE WITHIN 4 FEET OF THE CURB BUT MAY USE 2-4" ROCK IN WIDE MEDIANS, PLACED AT LEAST 4 FEET BACK OF THE MEDIAN ISLAND CURB
13. THE MEDIAN ISLANDS SHOULD BE MOUNDED, WITH A 6H:1V MAXIMUM SLOPE FROM THE BACK OF CURB TO THE CENTER OF THE MEDIAN AND WITH ROUNDING OF THE TOP OF THE MOUNDED EMBANKMENT IN THE CENTER MEDIAN
14. SIDEWALK FINISH SHALL BE PLAIN (NOT STAMPED OR COLORED)
15. 4FT X 8FT PLANTER BOXES SHALL HAVE DECORATIVE FINISH. THE PLANTER BOXES SHALL HAVE A REDDISH COLOR, BY STAINING OR INTEGRAL PIGMENT. PLANTER BOXES SHALL BE PLACED SUCH THAT THE TOP OF THE BOX EXTENDS NO HIGHER THAN 24 INCHES ABOVE THE CURB. COLOR TO BE APPROVED BY OWNER PRIOR TO PERMANENT APPLICATION.
16. AT THE TIME OF PLANTING, SIDEWALK TREES SHALL HAVE A MINIMUM HEIGHT OF 8.0 FT MEASURED FROM THE TOP OF THE NEAREST CURB TO THE BOTTOM OF THE CANOPY
17. TREES TO BE REMOVED WILL BE DISPOSED OF BY CONTRACTOR AND WILL NOT BE SALVAGED

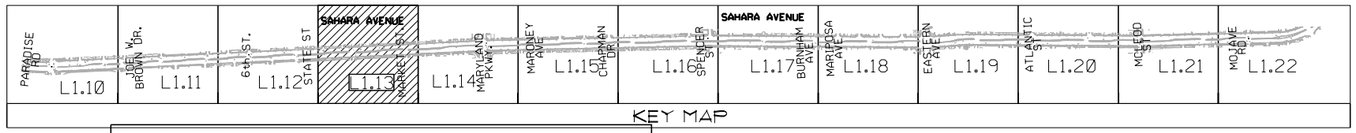
PLANT SCHEDULE

SYMBOL	BOTANICAL NAME	COMMON NAME	QTY.	SIZE	REMARKS
	TREES				
	ACACIA STENOPHYLLA	SHOESTRING ACACIA	493	24" BOX	
	PARKINSONIA (CERCIDIUM) X 'DESERT MUSEUM'	DESERT MUSEUM PALO VERDE	52	36" BOX	
	VITEX AGNUS - CASTUS	CHASTE TREE	289	36" BOX	

SYMBOL

¼" MINUS 'APACHE BROWN' DECOMPOSED GRANITE

2"-4" 'APACHE GOLD' DECOMPOSED GRANITE



RECORD DRAWINGS
DATE: 09/12/12

These record drawings have been reviewed based upon information furnished by others. While this information is believed to be reliable, JW Zunino Landscape Architecture cannot assure their accuracy of these record drawings or any errors or omissions that may have been incorporated as a result. Those relying on these record drawings are advised to obtain independent verification of their accuracy before applying it for any purpose

0 40' 80' 120'

SCALE: 1" = 40'-0"

NORTH

Call before you OVERHEAD 1-702-402-2929

Call before you Dig. 811

REV. NO.	DATE	DESCRIPTION	APPROVED

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
LANDSCAPE PLANTING PLAN

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: SEC
DESIGNED BY: SEC CHECKED BY: WTS
APPROVED BY WTS

JW ZUNINO LANDSCAPE ARCHITECTURE
LAS VEGAS, NV 3111 SLOANES BLVD. | LAS VEGAS, NV 89146 P 702.793.3300 | F 702.793.1016
CARLSBAD, CA 2248 FARADAY AVE. | CARLSBAD, CA 92008

SCALE
HORIZ: 1"=40'-0"
VERT: NA
FIELD BOOK: NONE

SHEET No. L1.13

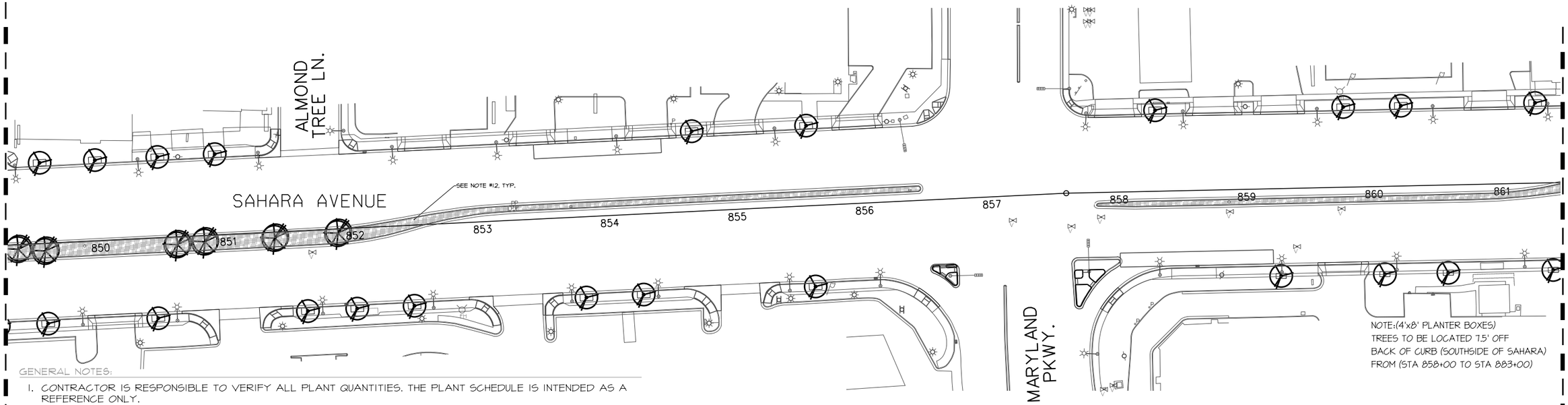
Sheet 218 of 592

XREF :
FILE :

AS-BUILT - 05.31.2012

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

MATCHLINE SEE SHEET L1.13



MATCHLINE SEE SHEET L1.15

GENERAL NOTES:

1. CONTRACTOR IS RESPONSIBLE TO VERIFY ALL PLANT QUANTITIES. THE PLANT SCHEDULE IS INTENDED AS A REFERENCE ONLY.
2. LANDSCAPE ARCHITECT IS TO APPROVE ALL PLANT MATERIAL PRIOR TO INSTALLATION WITH PRIOR NOTICE OF 48 HOURS.
3. PLANT MATERIAL IS TO HAVE IDENTIFICATION TAGS ON 10% OF THE TOTAL QUANTITY OF EACH SPECIES, SHOWING GENUS, SPECIES, VARIETY, ETC.
4. CONTRACTOR TO PROVIDE MATCHING SIZES AND FORMS OF LIKE SHRUB SPECIES AS SHOWN ON DRAWINGS.
5. CONTRACTOR TO PROVIDE POSITIVE DRAINAGE AWAY FROM ALL STRUCTURES, WALLS, AND ON ALL SIDEWALKS ACCORDING TO ALL CODES, REGULATIONS, AND REQUIREMENTS.
6. DECOMPOSED GRANITE, 1/4" MINUS, COLOR: "APACHE BROWN", 2" DEPTH TYPICAL AND 2"-4" 'APACHE GOLD', 4" DEPTH TYPICAL. ALL TREE WELLS TO HAVE 3/8" MINUS 'APACHE BROWN.' DECOMPOSED GRANITE SHALL CONTAIN 60% AGGREGATE AND 40% FINES. CONTRACTOR TO RECEIVE VERIFICATION FROM ROCK SUPPLIER AND PRESENT VERIFICATION TO THE OWNER PRIOR TO ANY CONSTRUCTION.

   WHOLESALE DEALER:
   KALAMAZOO MATERIALS, INC.
   3909 VEGAS DRIVE
   LAS VEGAS, NV 89108
   TELEPHONE: (702) 296-9131
   CONTACT: TRACEY LOCKWOOD

   OR

   VISTA LANDSCAPE COMPANY
   20 N. GIBSON ROAD
   HENDERSON, NV 89014
   (702) 565-6611

7. CONTRACTOR TO INSTALL ROOT GUARD AT THE PERIMETER/EDGE OF PAVEMENT OF ALL PLANTING AREAS NOTED ON THE PLANTING PLAN. CONTRACTOR TO INSTALL ROOT GUARD PER MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.

   MODEL: UB 24-2
   MANUFACTURER: DEEP ROOT PARTNERS, L.P.
   345 LORTON AVENUE
   BURLINGAME, CA 94010
   TELEPHONE: (800) 458-7668

   OR

   MODEL: EP2450
   MANUFACTURER: NDS
   21820 BURBANK BLVD., SUITE 200
   WOODLAND HILLS, CA 91367
   TELEPHONE: (800) 726-1994

8. CONTRACTOR TO COORDINATE AESTHETIC GRADING WITH ENGINEERING GRADING TO PROVIDE SITE DRAINAGE AS DESIGNED BY THE ENGINEER.
9. 4' X 8' PLANTER BOXES LOCATED ON SOUTHSIDE OF SAHARA FROM STA 858+00 TO STA 883+00. (SEE CIVIL PLANS FOR DETAILS)
10. 5' X 10' TREE WELLS LOCATED FROM DECATUR BLVD. STA 136+00 TO RANCHO DRIVE STA 238+00 AND FROM PARADISE ROAD STA 805+00 TO MOJAVE ROAD STA 950+00 EXCEPT AS NOTED ABOVE IN NOTE 10. (SEE CIVIL PLANS FOR DETAILS)
11. STANDARD TREE WELLS TO BE CENTERED 2.5 FT FROM THE BACK OF EXISTING CURB THROUGHOUT SITE EXCEPT AS NOTED ON PLANS.
12. MEDIAN ISLANDS WILL USE 1/4" MINUS DECOMPOSED GRANITE WITHIN 4 FEET OF THE CURB BUT MAY USE 2-4" ROCK IN WIDE MEDIANS, PLACED AT LEAST 4 FEET BACK OF THE MEDIAN ISLAND CURB
13. THE MEDIAN ISLANDS SHOULD BE MOUNDED, WITH A 6H:1V MAXIMUM SLOPE FROM THE BACK OF CURB TO THE CENTER OF THE MEDIAN AND WITH ROUNDING OF THE TOP OF THE MOUNDED EMBANKMENT IN THE CENTER MEDIAN
14. SIDEWALK FINISH SHALL BE PLAIN (NOT STAMPED OR COLORED)
15. 4FT X 8FT PLANTER BOXES SHALL HAVE DECORATIVE FINISH. THE PLANTER BOXES SHALL HAVE A REDDISH COLOR, BY STAINING OR INTEGRAL PIGMENT. PLANTER BOXES SHALL BE PLACED SUCH THAT THE TOP OF THE BOX EXTENDS NO HIGHER THAN 24 INCHES ABOVE THE CURB. COLOR TO BE APPROVED BY OWNER PRIOR TO PERMANENT APPLICATION.
16. AT THE TIME OF PLANTING, SIDEWALK TREES SHALL HAVE A MINIMUM HEIGHT OF 8.0 FT MEASURED FROM THE TOP OF THE NEAREST CURB TO THE BOTTOM OF THE CANOPY
17. TREES TO BE REMOVED WILL BE DISPOSED OF BY CONTRACTOR AND WILL NOT BE SALVAGED

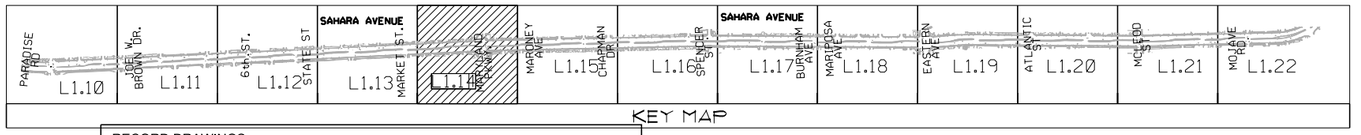
PLANT SCHEDULE

SYMBOL	BOTANICAL NAME	COMMON NAME	QTY.	SIZE	REMARKS
	TREES				
	ACACIA STENOPHYLLA	SHOESTRING ACACIA	493	24" BOX	
	PARKINSONIA (CERCIDIUM) X 'DESERT MUSEUM'	DESERT MUSEUM PALO VERDE	52	36" BOX	
	VITEX AGNUS - CASTUS	CHASTE TREE	289	36" BOX	

SYMBOL

¼" MINUS 'APACHE BROWN' DECOMPOSED GRANITE

2"-4" 'APACHE GOLD' DECOMPOSED GRANITE



RECORD DRAWINGS
DATE: 09/12/12

These record drawings have been reviewed based upon information furnished by others. While this information is believed to be reliable, JW Zunino Landscape Architecture cannot assure their accuracy of these record drawings or any errors or omissions that may have been incorporated as a result. Those relying on these record drawings are advised to obtain independent verification of their accuracy before applying it for any purpose

0 40' 80' 120'

SCALE: 1" = 40'-0"

NORTH

Call before you OVERHEAD 1-702-402-2929 NEVADA POWER ENVIRONMENT AND SAFETY SERVICES DEPARTMENT

Call before you Dig. 811 UNDERGROUND SERVICE ALERT (USA)

AS-BUILT - 05.31.2012

REV. NO.	DATE	DESCRIPTION	APPROVED

XREF :
FILE :

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
LANDSCAPE PLANTING PLAN

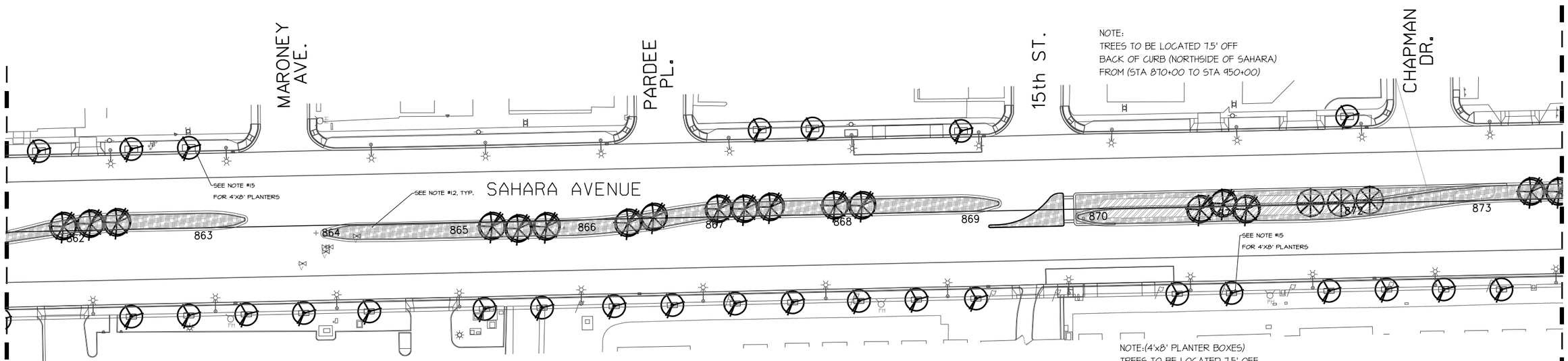
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: SEC
DESIGNED BY: SEC CHECKED BY: WTS
APPROVED BY WTS

LAS VEGAS NV
3191 S JONES BLVD | LAS VEGAS, NV 89146
T 702.793.3100 | F 702.793.1010
CARLSBAD CA
2246 FARADAY AVE. | CARLSBAD, CA 92008
JW ZUNINO LANDSCAPE ARCHITECTURE

SCALE
HORIZ : 1"=40'-0"
VERT : NA
FIELD BOOK : NONE

SHEET No. L1.14



GENERAL NOTES:

1. CONTRACTOR IS RESPONSIBLE TO VERIFY ALL PLANT QUANTITIES. THE PLANT SCHEDULE IS INTENDED AS A REFERENCE ONLY.
2. LANDSCAPE ARCHITECT IS TO APPROVE ALL PLANT MATERIAL PRIOR TO INSTALLATION WITH PRIOR NOTICE OF 48 HOURS.
3. PLANT MATERIAL IS TO HAVE IDENTIFICATION TAGS ON 10% OF THE TOTAL QUANTITY OF EACH SPECIES, SHOWING GENUS, SPECIES, VARIETY, ETC.
4. CONTRACTOR TO PROVIDE MATCHING SIZES AND FORMS OF LIKE SHRUB SPECIES AS SHOWN ON DRAWINGS.
5. CONTRACTOR TO PROVIDE POSITIVE DRAINAGE AWAY FROM ALL STRUCTURES, WALLS, AND ON ALL SIDEWALKS ACCORDING TO ALL CODES, REGULATIONS, AND REQUIREMENTS.
6. DECOMPOSED GRANITE, 1/4" MINUS, COLOR: "APACHE BROWN", 2" DEPTH TYPICAL AND 2"-4" 'APACHE GOLD', 4" DEPTH TYPICAL. ALL TREE WELLS TO HAVE 3/8" MINUS 'APACHE BROWN.' DECOMPOSED GRANITE SHALL CONTAIN 60% AGGREGATE AND 40% FINES. CONTRACTOR TO RECEIVE VERIFICATION FROM ROCK SUPPLIER AND PRESENT VERIFICATION TO THE OWNER PRIOR TO ANY CONSTRUCTION.

   WHOLESALE DEALER: KALAMAZOO MATERIALS, INC. 3909 VEGAS DRIVE LAS VEGAS, NV 89108 TELEPHONE: (702) 296-9131 CONTACT: TRACEY LOCKWOOD

   OR

   VISTA LANDSCAPE COMPANY 20 N. GIBSON ROAD HENDERSON, NV 89014 (702) 565-6611

7. CONTRACTOR TO INSTALL ROOT GUARD AT THE PERIMETER/EDGE OF PAVEMENT OF ALL PLANTING AREAS NOTED ON THE PLANTING PLAN. CONTRACTOR TO INSTALL ROOT GUARD PER MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.

   MODEL: UB 24-2 MANUFACTURER: DEEP ROOT PARTNERS, L.P. 345 LORTON AVENUE BURLINGAME, CA 94010 TELEPHONE: (800) 458-7668

   OR

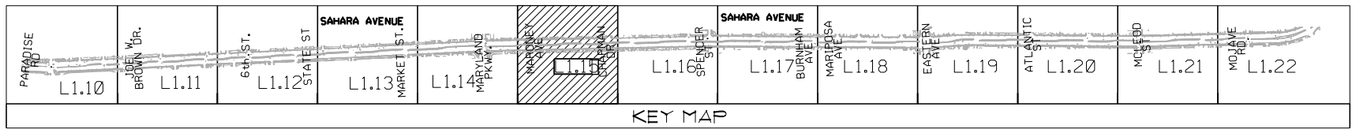
   MODEL: EP2450 MANUFACTURER: NDS 21820 BURBANK BLVD., SUITE 200 WOODLAND HILLS, CA 91367 TELEPHONE: (800) 726-1994

8. CONTRACTOR TO COORDINATE AESTHETIC GRADING WITH ENGINEERING GRADING TO PROVIDE SITE DRAINAGE AS DESIGNED BY THE ENGINEER.
9. 4' X 8' PLANTER BOXES LOCATED ON SOUTHSIDE OF SAHARA FROM STA 858+00 TO STA 883+00. (SEE CIVIL PLANS FOR DETAILS)
10. 5' X 10' TREE WELLS LOCATED FROM DECATUR BLVD. STA 136+00 TO RANCHO DRIVE STA 238+00 AND FROM PARADISE ROAD STA 805+00 TO MOJAVE ROAD STA 950+00 EXCEPT AS NOTED ABOVE IN NOTE 10. (SEE CIVIL PLANS FOR DETAILS)
11. STANDARD TREE WELLS TO BE CENTERED 2.5 FT FROM THE BACK OF EXISTING CURB THROUGHOUT SITE EXCEPT AS NOTED ON PLANS.
12. MEDIAN ISLANDS WILL USE 1/4" MINUS DECOMPOSED GRANITE WITHIN 4 FEET OF THE CURB BUT MAY USE 2-4" ROCK IN WIDE MEDIANS, PLACED AT LEAST 4 FEET BACK OF THE MEDIAN ISLAND CURB
13. THE MEDIAN ISLANDS SHOULD BE MOUNDED, WITH A 6H:1V MAXIMUM SLOPE FROM THE BACK OF CURB TO THE CENTER OF THE MEDIAN AND WITH ROUNDING OF THE TOP OF THE MOUNDED EMBANKMENT IN THE CENTER MEDIAN
14. SIDEWALK FINISH SHALL BE PLAIN (NOT STAMPED OR COLORED)
15. 4FT X 8FT PLANTER BOXES SHALL HAVE DECORATIVE FINISH. THE PLANTER BOXES SHALL HAVE A REDDISH COLOR, BY STAINING OR INTEGRAL PIGMENT. PLANTER BOXES SHALL BE PLACED SUCH THAT THE TOP OF THE BOX EXTENDS NO HIGHER THAN 24 INCHES ABOVE THE CURB. COLOR TO BE APPROVED BY OWNER PRIOR TO PERMANENT APPLICATION.
16. AT THE TIME OF PLANTING, SIDEWALK TREES SHALL HAVE A MINIMUM HEIGHT OF 8.0 FT MEASURED FROM THE TOP OF THE NEAREST CURB TO THE BOTTOM OF THE CANOPY
17. TREES TO BE REMOVED WILL BE DISPOSED OF BY CONTRACTOR AND WILL NOT BE SALVAGED

PLANT SCHEDULE

SYMBOL	BOTANICAL NAME	COMMON NAME	QTY.	SIZE	REMARKS
	TREES				
	ACACIA STENOPHYLLA	SHOESTRING ACACIA	493	24" BOX	
	PARKINSONIA (CERCIDIUM) X 'DESERT MUSEUM'	DESERT MUSEUM PALO VERDE	52	36" BOX	
	VITEX AGNUS - CASTUS	CHASTE TREE	289	36" BOX	

SYMBOL	
	1/4" MINUS 'APACHE BROWN' DECOMPOSED GRANITE
	2"-4" 'APACHE GOLD' DECOMPOSED GRANITE



RECORD DRAWINGS
DATE: 09/12/12

These record drawings have been reviewed based upon information furnished by others. While this information is believed to be reliable, JW Zunino Landscape Architecture cannot assure their accuracy of these record drawings or any errors or omissions that may have been incorporated as a result. Those relying on these record drawings are advised to obtain independent verification of their accuracy before applying it for any purpose

0 40' 80' 120'
SCALE: 1" = 40'-0"

NORTH

AVOID HITTING OVERHEAD UTILITY LINES. IT'S COSTLY. Call before you OVERHEAD 1-702-402-2929 NEVADA POWER (SOUTHERN) AND SAFETY SERVICES DEPARTMENT

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call before you Dig. 811 UNDERGROUND SERVICE ALERT (USA)

AS-BUILT - 05.31.2012

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

REV. NO.	DATE	DESCRIPTION	APPROVED

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

LANDSCAPE PLANTING PLAN

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: SEC
DESIGNED BY: SEC CHECKED BY: WTS
APPROVED BY WTS

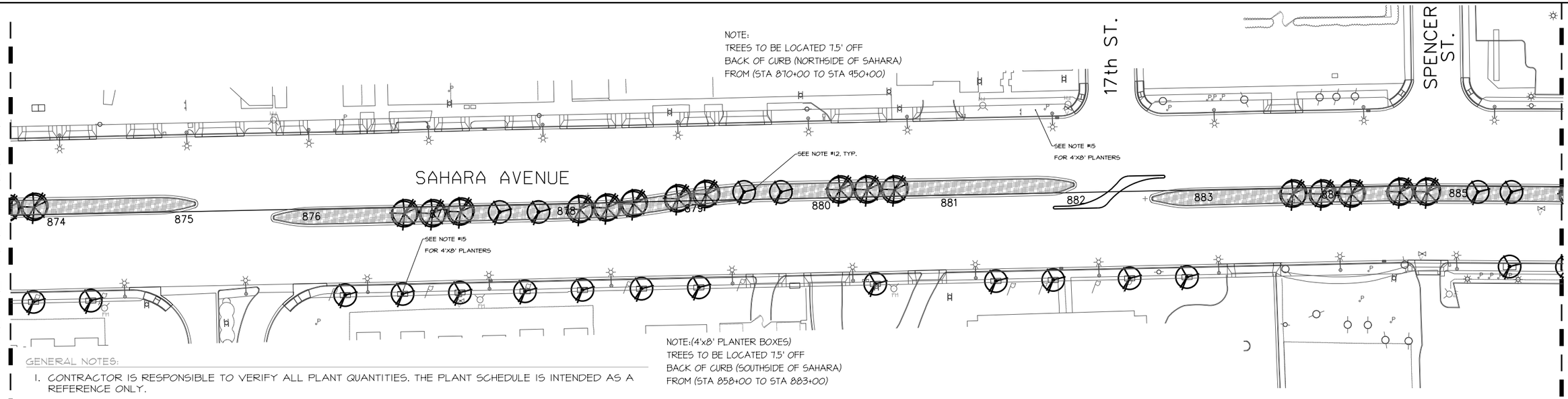
J W ZUNINO LANDSCAPE ARCHITECTURE
LAS VEGAS, NV 3111 S. JONES BLVD. | LAS VEGAS, NV 89146 P 702.253.3200 | F 702.253.1010
CARLSBAD, CA 2248 FARADAY AVE. | CARLSBAD, CA 92008

SCALE
HORIZ: 1"=40'-0"
VERT: NA
FIELD BOOK: NONE

SHEET No. L1.15

Sheet 220 of 592

XREF :
FILE :



SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS-BUILT - 05.31.2012

GENERAL NOTES:

1. CONTRACTOR IS RESPONSIBLE TO VERIFY ALL PLANT QUANTITIES. THE PLANT SCHEDULE IS INTENDED AS A REFERENCE ONLY.
2. LANDSCAPE ARCHITECT IS TO APPROVE ALL PLANT MATERIAL PRIOR TO INSTALLATION WITH PRIOR NOTICE OF 48 HOURS.
3. PLANT MATERIAL IS TO HAVE IDENTIFICATION TAGS ON 10% OF THE TOTAL QUANTITY OF EACH SPECIES, SHOWING GENUS, SPECIES, VARIETY, ETC.
4. CONTRACTOR TO PROVIDE MATCHING SIZES AND FORMS OF LIKE SHRUB SPECIES AS SHOWN ON DRAWINGS.
5. CONTRACTOR TO PROVIDE POSITIVE DRAINAGE AWAY FROM ALL STRUCTURES, WALLS, AND ON ALL SIDEWALKS ACCORDING TO ALL CODES, REGULATIONS, AND REQUIREMENTS.
6. DECOMPOSED GRANITE, 1/4" MINUS, COLOR: "APACHE BROWN", 2" DEPTH TYPICAL AND 2"-4" 'APACHE GOLD', 4" DEPTH TYPICAL. ALL TREE WELLS TO HAVE 3/8" MINUS 'APACHE BROWN.' DECOMPOSED GRANITE SHALL CONTAIN 60% AGGREGATE AND 40% FINES. CONTRACTOR TO RECEIVE VERIFICATION FROM ROCK SUPPLIER AND PRESENT VERIFICATION TO THE OWNER PRIOR TO ANY CONSTRUCTION.

   WHOLESALE DEALER:
   KALAMAZOO MATERIALS, INC.
   3909 VEGAS DRIVE
   LAS VEGAS, NV 89108
   TELEPHONE: (702) 296-9131
   CONTACT: TRACEY LOCKWOOD

   OR

   VISTA LANDSCAPE COMPANY
   20 N. GIBSON ROAD
   HENDERSON, NV 89014
   (702) 565-6611

7. CONTRACTOR TO INSTALL ROOT GUARD AT THE PERIMETER/EDGE OF PAVEMENT OF ALL PLANTING AREAS NOTED ON THE PLANTING PLAN. CONTRACTOR TO INSTALL ROOT GUARD PER MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.

   MODEL: UB 24-2
   MANUFACTURER: DEEP ROOT PARTNERS, L.P.
   345 LORTON AVENUE
   BURLINGAME, CA 94010
   TELEPHONE: (800) 458-7668

   OR

   MODEL: EP2450
   MANUFACTURER: NDS
   21820 BURBANK BLVD., SUITE 200
   WOODLAND HILLS, CA 91367
   TELEPHONE: (800) 726-1994

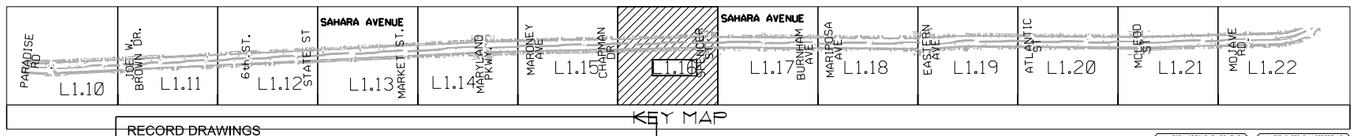
8. CONTRACTOR TO COORDINATE AESTHETIC GRADING WITH ENGINEERING GRADING TO PROVIDE SITE DRAINAGE AS DESIGNED BY THE ENGINEER.
9. 4' X 8' PLANTER BOXES LOCATED ON SOUTHSIDE OF SAHARA FROM STA 858+00 TO STA 883+00. (SEE CIVIL PLANS FOR DETAILS)
10. 5' X 10' TREE WELLS LOCATED FROM DECATUR BLVD. STA 136+00 TO RANCHO DRIVE STA 238+00 AND FROM PARADISE ROAD STA 805+00 TO MOJAVE ROAD STA 950+00 EXCEPT AS NOTED ABOVE IN NOTE 10. (SEE CIVIL PLANS FOR DETAILS)
11. STANDARD TREE WELLS TO BE CENTERED 2.5 FT FROM THE BACK OF EXISTING CURB THROUGHOUT SITE EXCEPT AS NOTED ON PLANS.
12. MEDIAN ISLANDS WILL USE 1/4" MINUS DECOMPOSED GRANITE WITHIN 4 FEET OF THE CURB BUT MAY USE 2-4" ROCK IN WIDE MEDIANS, PLACED AT LEAST 4 FEET BACK OF THE MEDIAN ISLAND CURB
13. THE MEDIAN ISLANDS SHOULD BE MOUNDED, WITH A 6H:1V MAXIMUM SLOPE FROM THE BACK OF CURB TO THE CENTER OF THE MEDIAN AND WITH ROUNDING OF THE TOP OF THE MOUNDED EMBANKMENT IN THE CENTER MEDIAN
14. SIDEWALK FINISH SHALL BE PLAIN (NOT STAMPED OR COLORED)
15. 4FT X 8FT PLANTER BOXES SHALL HAVE DECORATIVE FINISH. THE PLANTER BOXES SHALL HAVE A REDDISH COLOR, BY STAINING OR INTEGRAL PIGMENT. PLANTER BOXES SHALL BE PLACED SUCH THAT THE TOP OF THE BOX EXTENDS NO HIGHER THAN 24 INCHES ABOVE THE CURB. COLOR TO BE APPROVED BY OWNER PRIOR TO PERMANENT APPLICATION.
16. AT THE TIME OF PLANTING, SIDEWALK TREES SHALL HAVE A MINIMUM HEIGHT OF 8.0 FT MEASURED FROM THE TOP OF THE NEAREST CURB TO THE BOTTOM OF THE CANOPY
17. TREES TO BE REMOVED WILL BE DISPOSED OF BY CONTRACTOR AND WILL NOT BE SALVAGED

PLANT SCHEDULE

SYMBOL	BOTANICAL NAME	COMMON NAME	QTY.	SIZE	REMARKS
	TREES				
	ACACIA STENOPHYLLA	SHOESTRING ACACIA	493	24" BOX	
	PARKINSONIA (CERCIDIUM) X 'DESERT MUSEUM'	DESERT MUSEUM PALO VERDE	52	36" BOX	
	VITEX AGNUS - CASTUS	CHASTE TREE	289	36" BOX	

SYMBOL

- ¼" MINUS 'APACHE BROWN' DECOMPOSED GRANITE
- 2"-4" 'APACHE GOLD' DECOMPOSED GRANITE



RECORD DRAWINGS
DATE: 09/12/12

These record drawings have been reviewed based upon information furnished by others. While this information is believed to be reliable, JW Zunino Landscape Architecture cannot assure their accuracy of these record drawings or any errors or omissions that may have been incorporated as a result. Those relying on these record drawings are advised to obtain independent verification of their accuracy before applying it for any purpose

0 40' 80' 120'
SCALE: 1" = 40'-0"

NORTH

Call before you OVERHEAD 1-702-402-2929 (AVOID HITTING OVERHEAD UTILITY LINES IT'S COSTLY)
Call before you Dig. 811 (AVOID CUTTING UNDERGROUND UTILITY LINES IT'S COSTLY)

REV. NO.	DATE	DESCRIPTION	APPROVED

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

LANDSCAPE PLANTING PLAN

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: SEC
DESIGNED BY: SEC CHECKED BY: WTS
APPROVED BY WTS

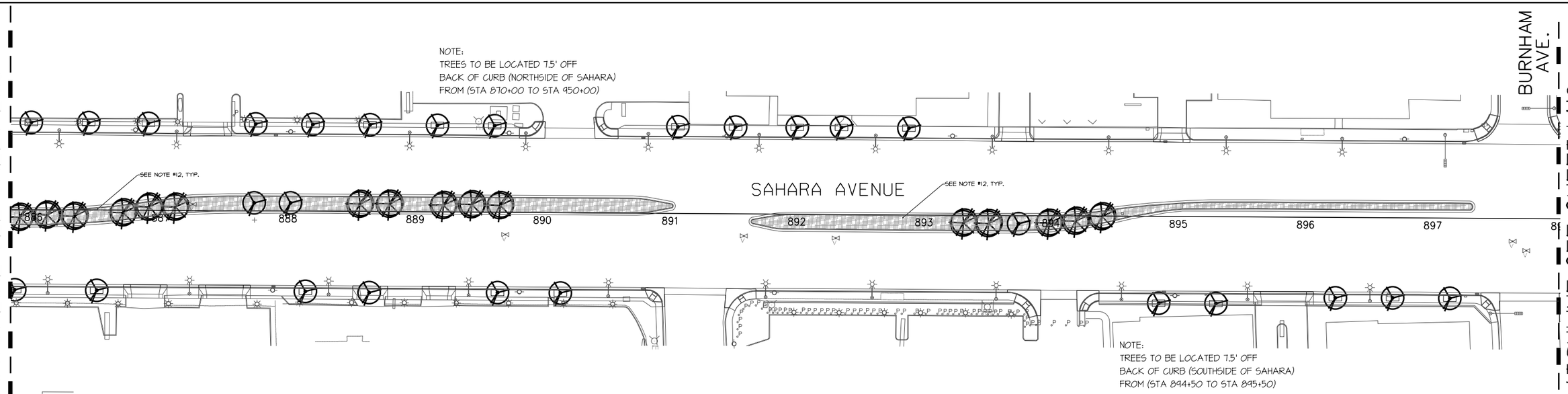
JW ZUNINO LANDSCAPE ARCHITECTURE
LAS VEGAS, NV 3111 S. JONES BLVD. | LAS VEGAS, NV 89146 | T 702.753.3330 | F 702.753.1010
CARLSBAD, CA 2248 FARADAY AVE. | CARLSBAD, CA 92008

SCALE
HORIZ: 1"=40'-0"
VERT: NA
FIELD BOOK: NONE

SHEET No. L1.16

Sheet 221 of 592

XREF :
FILE :



SAHARA AVENUE , BUS RAPID TRANSIT PROJECT

AS-BUILT - 05.31.2012

GENERAL NOTES:

1. CONTRACTOR IS RESPONSIBLE TO VERIFY ALL PLANT QUANTITIES. THE PLANT SCHEDULE IS INTENDED AS A REFERENCE ONLY.
2. LANDSCAPE ARCHITECT IS TO APPROVE ALL PLANT MATERIAL PRIOR TO INSTALLATION WITH PRIOR NOTICE OF 48 HOURS.
3. PLANT MATERIAL IS TO HAVE IDENTIFICATION TAGS ON 10% OF THE TOTAL QUANTITY OF EACH SPECIES, SHOWING GENUS, SPECIES, VARIETY, ETC.
4. CONTRACTOR TO PROVIDE MATCHING SIZES AND FORMS OF LIKE SHRUB SPECIES AS SHOWN ON DRAWINGS.
5. CONTRACTOR TO PROVIDE POSITIVE DRAINAGE AWAY FROM ALL STRUCTURES, WALLS, AND ON ALL SIDEWALKS ACCORDING TO ALL CODES, REGULATIONS, AND REQUIREMENTS.
6. DECOMPOSED GRANITE, 1/4" MINUS, COLOR: "APACHE BROWN", 2" DEPTH TYPICAL AND 2"-4" 'APACHE GOLD', 4" DEPTH TYPICAL. ALL TREE WELLS TO HAVE 3/8" MINUS 'APACHE BROWN.' DECOMPOSED GRANITE SHALL CONTAIN 60% AGGREGATE AND 40% FINES. CONTRACTOR TO RECEIVE VERIFICATION FROM ROCK SUPPLIER AND PRESENT VERIFICATION TO THE OWNER PRIOR TO ANY CONSTRUCTION.

   WHOLESALE DEALER: KALAMAZOO MATERIALS, INC. 3909 VEGAS DRIVE LAS VEGAS, NV 89108 TELEPHONE: (702) 296-9131 CONTACT: TRACEY LOCKWOOD

   OR

   VISTA LANDSCAPE COMPANY 20 N. GIBSON ROAD HENDERSON, NV 89014 (702) 565-6611

7. CONTRACTOR TO INSTALL ROOT GUARD AT THE PERIMETER/EDGE OF PAVEMENT OF ALL PLANTING AREAS NOTED ON THE PLANTING PLAN. CONTRACTOR TO INSTALL ROOT GUARD PER MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.

   MODEL: UB 24-2 MANUFACTURER: DEEP ROOT PARTNERS, L.P. 345 LORTON AVENUE BURLINGAME, CA 94010 TELEPHONE: (800) 458-7668

   OR

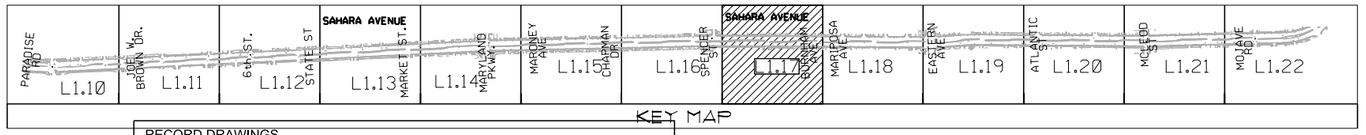
   MODEL: EP2450 MANUFACTURER: NDS 21820 BURBANK BLVD., SUITE 200 WOODLAND HILLS, CA 91367 TELEPHONE: (800) 726-1994

8. CONTRACTOR TO COORDINATE AESTHETIC GRADING WITH ENGINEERING GRADING TO PROVIDE SITE DRAINAGE AS DESIGNED BY THE ENGINEER.
9. 4' X 8' PLANTER BOXES LOCATED ON SOUTHSIDE OF SAHARA FROM STA 858+00 TO STA 883+00. (SEE CIVIL PLANS FOR DETAILS)
10. 5' X 10' TREE WELLS LOCATED FROM DECATUR BLVD. STA 136+00 TO RANCHO DRIVE STA 238+00 AND FROM PARADISE ROAD STA 805+00 TO MOJAVE ROAD STA 950+00 EXCEPT AS NOTED ABOVE IN NOTE 10. (SEE CIVIL PLANS FOR DETAILS)
11. STANDARD TREE WELLS TO BE CENTERED 2.5 FT FROM THE BACK OF EXISTING CURB THROUGHOUT SITE EXCEPT AS NOTED ON PLANS.
12. MEDIAN ISLANDS WILL USE 1/4" MINUS DECOMPOSED GRANITE WITHIN 4 FEET OF THE CURB BUT MAY USE 2-4" ROCK IN WIDE MEDIANS, PLACED AT LEAST 4 FEET BACK OF THE MEDIAN ISLAND CURB
13. THE MEDIAN ISLANDS SHOULD BE MOUNDED, WITH A 6H:1V MAXIMUM SLOPE FROM THE BACK OF CURB TO THE CENTER OF THE MEDIAN AND WITH ROUNDING OF THE TOP OF THE MOUNDED EMBANKMENT IN THE CENTER MEDIAN
14. SIDEWALK FINISH SHALL BE PLAIN (NOT STAMPED OR COLORED)
15. 4FT X 8FT PLANTER BOXES SHALL HAVE DECORATIVE FINISH. THE PLANTER BOXES SHALL HAVE A REDDISH COLOR, BY STAINING OR INTEGRAL PIGMENT. PLANTER BOXES SHALL BE PLACED SUCH THAT THE TOP OF THE BOX EXTENDS NO HIGHER THAN 24 INCHES ABOVE THE CURB. COLOR TO BE APPROVED BY OWNER PRIOR TO PERMANENT APPLICATION.
16. AT THE TIME OF PLANTING, SIDEWALK TREES SHALL HAVE A MINIMUM HEIGHT OF 8.0 FT MEASURED FROM THE TOP OF THE NEAREST CURB TO THE BOTTOM OF THE CANOPY
17. TREES TO BE REMOVED WILL BE DISPOSED OF BY CONTRACTOR AND WILL NOT BE SALVAGED

PLANT SCHEDULE

SYMBOL	BOTANICAL NAME	COMMON NAME	QTY.	SIZE	REMARKS
	TREES				
	ACACIA STENOPHYLLA	SHOESTRING ACACIA	493	24" BOX	
	PARKINSONIA (CERCIDIUM) X 'DESERT MUSEUM'	DESERT MUSEUM PALO VERDE	52	36" BOX	
	VITEX AGNUS - CASTUS	CHASTE TREE	289	36" BOX	

SYMBOL	
	1/4" MINUS 'APACHE BROWN' DECOMPOSED GRANITE
	2"-4" 'APACHE GOLD' DECOMPOSED GRANITE



RECORD DRAWINGS
DATE: 09/12/12

These record drawings have been reviewed based upon information furnished by others. While this information is believed to be reliable, JW Zunino Landscape Architecture cannot assure their accuracy of these record drawings or any errors or omissions that may have been incorporated as a result. Those relying on these record drawings are advised to obtain independent verification of their accuracy before applying it for any purpose

0 40' 80' 120'

SCALE: 1" = 40'-0"

NORTH

Call before you OVERHEAD 1-702-402-2929 (CALL YOUR LOCAL UTILITY OR SAFETY SERVICES DEPARTMENT)

Call before you Dig. 811 (UNDERGROUND SERVICE ALERT (USA))

REV. NO.	DATE	DESCRIPTION	APPROVED

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

LANDSCAPE PLANTING PLAN

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: SEC
DESIGNED BY: SEC CHECKED BY: WTS
APPROVED BY WTS

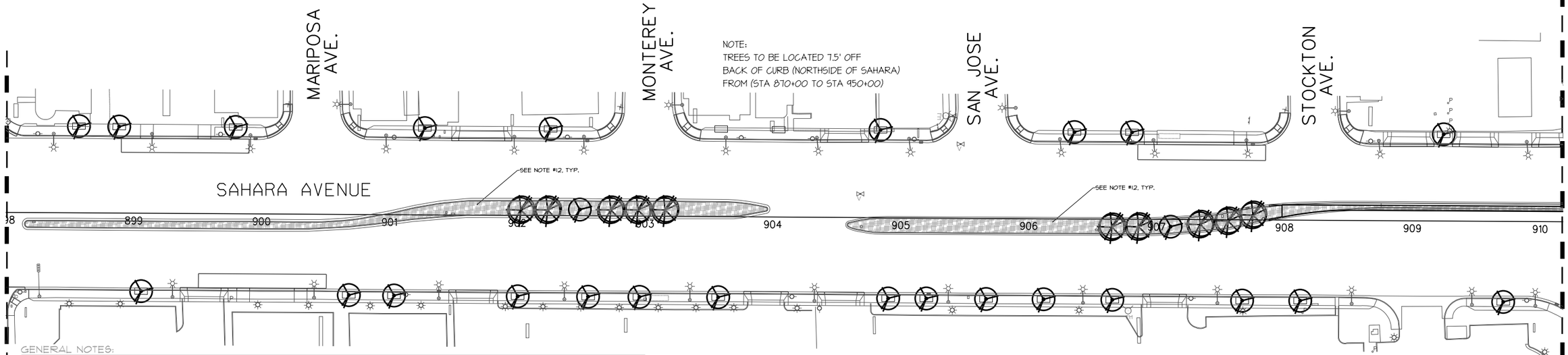
J W ZUNINO LANDSCAPE ARCHITECTURE
LAS VEGAS NV 3191 SUNRISE BLVD | LAS VEGAS, NV 89146 P 702.753.2100 | F 702.753.1101
CARLSBAD CA 2249 FARADAY AVE. | CARLSBAD, CA 92008
landmark | Water Resource Management

SCALE
HORIZ: 1"=40'-0"
VERT: NA
FIELD BOOK: NONE

SHEET No. L1.17

Sheet 222 of 592

XREF :
FILE :



GENERAL NOTES:

1. CONTRACTOR IS RESPONSIBLE TO VERIFY ALL PLANT QUANTITIES. THE PLANT SCHEDULE IS INTENDED AS A REFERENCE ONLY.
2. LANDSCAPE ARCHITECT IS TO APPROVE ALL PLANT MATERIAL PRIOR TO INSTALLATION WITH PRIOR NOTICE OF 48 HOURS.
3. PLANT MATERIAL IS TO HAVE IDENTIFICATION TAGS ON 10% OF THE TOTAL QUANTITY OF EACH SPECIES, SHOWING GENUS, SPECIES, VARIETY, ETC.
4. CONTRACTOR TO PROVIDE MATCHING SIZES AND FORMS OF LIKE SHRUB SPECIES AS SHOWN ON DRAWINGS.
5. CONTRACTOR TO PROVIDE POSITIVE DRAINAGE AWAY FROM ALL STRUCTURES, WALLS, AND ON ALL SIDEWALKS ACCORDING TO ALL CODES, REGULATIONS, AND REQUIREMENTS.
6. DECOMPOSED GRANITE, 1/4" MINUS, COLOR: "APACHE BROWN", 2" DEPTH TYPICAL AND 2"-4" 'APACHE GOLD', 4" DEPTH TYPICAL. ALL TREE WELLS TO HAVE 3/8" MINUS 'APACHE BROWN.' DECOMPOSED GRANITE SHALL CONTAIN 60% AGGREGATE AND 40% FINES. CONTRACTOR TO RECEIVE VERIFICATION FROM ROCK SUPPLIER AND PRESENT VERIFICATION TO THE OWNER PRIOR TO ANY CONSTRUCTION.

   WHOLESALE DEALER:
   KALAMAZOO MATERIALS, INC.
   3909 VEGAS DRIVE
   LAS VEGAS, NV 89108
   TELEPHONE: (702) 296-9131
   CONTACT: TRACEY LOCKWOOD

   OR

   VISTA LANDSCAPE COMPANY
   20 N. GIBSON ROAD
   HENDERSON, NV 89014
   (702) 565-6611

7. CONTRACTOR TO INSTALL ROOT GUARD AT THE PERIMETER/EDGE OF PAVEMENT OF ALL PLANTING AREAS NOTED ON THE PLANTING PLAN. CONTRACTOR TO INSTALL ROOT GUARD PER MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.

   MODEL: UB 24-2
   MANUFACTURER: DEEP ROOT PARTNERS, L.P.
   345 LORTON AVENUE
   BURLINGAME, CA 94010
   TELEPHONE: (800) 458-7668

   OR

   MODEL: EP2450
   MANUFACTURER: NDS
   21820 BURBANK BLVD., SUITE 200
   WOODLAND HILLS, CA 91367
   TELEPHONE: (800) 726-1994

8. CONTRACTOR TO COORDINATE AESTHETIC GRADING WITH ENGINEERING GRADING TO PROVIDE SITE DRAINAGE AS DESIGNED BY THE ENGINEER.
9. 4' X 8' PLANTER BOXES LOCATED ON SOUTHSIDE OF SAHARA FROM STA 858+00 TO STA 883+00. (SEE CIVIL PLANS FOR DETAILS)
10. 5' X 10' TREE WELLS LOCATED FROM DECATUR BLVD. STA 136+00 TO RANCHO DRIVE STA 238+00 AND FROM PARADISE ROAD STA 805+00 TO MOJAVE ROAD STA 950+00 EXCEPT AS NOTED ABOVE IN NOTE 10. (SEE CIVIL PLANS FOR DETAILS)
11. STANDARD TREE WELLS TO BE CENTERED 2.5 FT FROM THE BACK OF EXISTING CURB THROUGHOUT SITE EXCEPT AS NOTED ON PLANS.
12. MEDIAN ISLANDS WILL USE 1/4" MINUS DECOMPOSED GRANITE WITHIN 4 FEET OF THE CURB BUT MAY USE 2-4" ROCK IN WIDE MEDIANS, PLACED AT LEAST 4 FEET BACK OF THE MEDIAN ISLAND CURB
13. THE MEDIAN ISLANDS SHOULD BE MOUNDED, WITH A 6H:1V MAXIMUM SLOPE FROM THE BACK OF CURB TO THE CENTER OF THE MEDIAN AND WITH ROUNDING OF THE TOP OF THE MOUNDED EMBANKMENT IN THE CENTER MEDIAN
14. SIDEWALK FINISH SHALL BE PLAIN (NOT STAMPED OR COLORED)
15. 4FT X 8FT PLANTER BOXES SHALL HAVE DECORATIVE FINISH. THE PLANTER BOXES SHALL HAVE A REDDISH COLOR, BY STAINING OR INTEGRAL PIGMENT. PLANTER BOXES SHALL BE PLACED SUCH THAT THE TOP OF THE BOX EXTENDS NO HIGHER THAN 24 INCHES ABOVE THE CURB. COLOR TO BE APPROVED BY OWNER PRIOR TO PERMANENT APPLICATION.
16. AT THE TIME OF PLANTING, SIDEWALK TREES SHALL HAVE A MINIMUM HEIGHT OF 8.0 FT MEASURED FROM THE TOP OF THE NEAREST CURB TO THE BOTTOM OF THE CANOPY
17. TREES TO BE REMOVED WILL BE DISPOSED OF BY CONTRACTOR AND WILL NOT BE SALVAGED

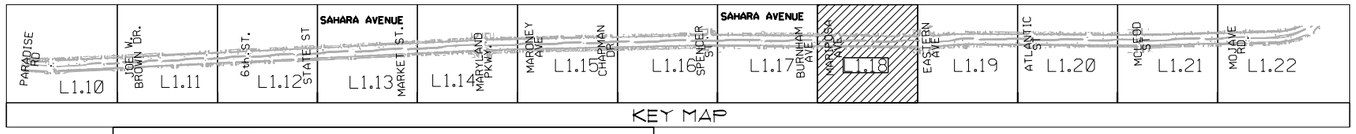
PLANT SCHEDULE

SYMBOL	BOTANICAL NAME	COMMON NAME	QTY.	SIZE	REMARKS
	TREES				
	ACACIA STENOPHYLLA	SHOESTRING ACACIA	493	24" BOX	
	PARKINSONIA (CERCIDIUM) X 'DESERT MUSEUM'	DESERT MUSEUM PALO VERDE	52	36" BOX	
	VITEX AGNUS - CASTUS	CHASTE TREE	289	36" BOX	

SYMBOL

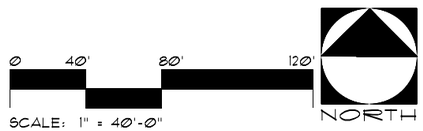
¼" MINUS 'APACHE BROWN' DECOMPOSED GRANITE

2"-4" 'APACHE GOLD' DECOMPOSED GRANITE



RECORD DRAWINGS
DATE: 09/12/12

These record drawings have been reviewed based upon information furnished by others. While this information is believed to be reliable, JW Zunino Landscape Architecture cannot assure their accuracy of these record drawings or any errors or omissions that may have been incorporated as a result. Those relying on these record drawings are advised to obtain independent verification of their accuracy before applying it for any purpose



AVOID HITTING OVERHEAD UTILITY LINES IT'S ONLY-
Call before you OVERHEAD
1-702-402-2929
NEVADA POWER ENGINEERING AND SAFETY SERVICES DEPARTMENT

AVOID CUTTING UNDERGROUND UTILITY LINES IT'S ONLY-
Call before you Dig.
811
UNDERGROUND SERVICE ALERT (USA)

AS-BUILT - 05.31.2012

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

REV. NO.	DATE	DESCRIPTION	APPROVED

XREF :
FILE :

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

LANDSCAPE PLANTING PLAN

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: SEC
DESIGNED BY: SEC CHECKED BY: WTS
APPROVED BY WTS

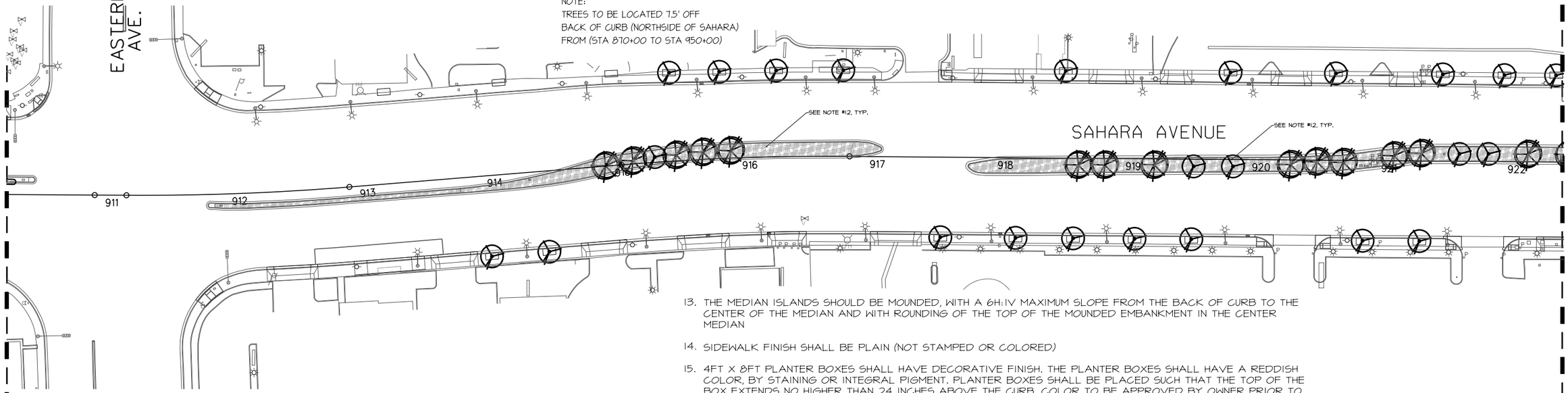
J W ZUNINO LANDSCAPE ARCHITECTURE
LAS VEGAS, NV 3131 BLONDES BLVD. | LAS VEGAS, NV 89146 T 702.253.5300 | F 702.253.1010
CARLSBAD, CA 2841 TAMARACK AVE. | CARLSBAD, CA 92008

SCALE
HORIZ : 1"=40'-0"
VERT : NA
FIELD BOOK :
NONE

SHEET No. L1.18

MATCHLINE SEE SHEET L1.18

MATCHLINE SEE SHEET L1.20



GENERAL NOTES:

1. CONTRACTOR IS RESPONSIBLE TO VERIFY ALL PLANT QUANTITIES. THE PLANT SCHEDULE IS INTENDED AS A REFERENCE ONLY.
2. LANDSCAPE ARCHITECT IS TO APPROVE ALL PLANT MATERIAL PRIOR TO INSTALLATION WITH PRIOR NOTICE OF 48 HOURS.
3. PLANT MATERIAL IS TO HAVE IDENTIFICATION TAGS ON 10% OF THE TOTAL QUANTITY OF EACH SPECIES, SHOWING GENUS, SPECIES, VARIETY, ETC.
4. CONTRACTOR TO PROVIDE MATCHING SIZES AND FORMS OF LIKE SHRUB SPECIES AS SHOWN ON DRAWINGS.
5. CONTRACTOR TO PROVIDE POSITIVE DRAINAGE AWAY FROM ALL STRUCTURES, WALLS, AND ON ALL SIDEWALKS ACCORDING TO ALL CODES, REGULATIONS, AND REQUIREMENTS.
6. DECOMPOSED GRANITE, 1/4" MINUS, COLOR: "APACHE BROWN", 2" DEPTH TYPICAL AND 2"-4" 'APACHE GOLD', 4" DEPTH TYPICAL. ALL TREE WELLS TO HAVE 3/8" MINUS 'APACHE BROWN.' DECOMPOSED GRANITE SHALL CONTAIN 60% AGGREGATE AND 40% FINES. CONTRACTOR TO RECEIVE VERIFICATION FROM ROCK SUPPLIER AND PRESENT VERIFICATION TO THE OWNER PRIOR TO ANY CONSTRUCTION.

   WHOLESALE DEALER:
   KALAMAZOO MATERIALS, INC.
   3909 VEGAS DRIVE
   LAS VEGAS, NV 89108
   TELEPHONE: (702) 296-9131
   CONTACT: TRACEY LOCKWOOD

   OR

   VISTA LANDSCAPE COMPANY
   20 N. GIBSON ROAD
   HENDERSON, NV 89014
   (702) 565-6611

7. CONTRACTOR TO INSTALL ROOT GUARD AT THE PERIMETER/EDGE OF PAVEMENT OF ALL PLANTING AREAS NOTED ON THE PLANTING PLAN. CONTRACTOR TO INSTALL ROOT GUARD PER MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.

   MODEL: UB 24-2
   MANUFACTURER: DEEP ROOT PARTNERS, L.P.
   345 LORTON AVENUE
   BURLINGAME, CA 94010
   TELEPHONE: (800) 458-7668

   OR

   MODEL: EP2450
   MANUFACTURER: NDS
   21820 BURBANK BLVD., SUITE 200
   WOODLAND HILLS, CA 91367
   TELEPHONE: (800) 726-1994

8. CONTRACTOR TO COORDINATE AESTHETIC GRADING WITH ENGINEERING GRADING TO PROVIDE SITE DRAINAGE AS DESIGNED BY THE ENGINEER.
9. 4' X 8' PLANTER BOXES LOCATED ON SOUTHSIDE OF SAHARA FROM STA 858+00 TO STA 883+00. (SEE CIVIL PLANS FOR DETAILS)
10. 5' X 10' TREE WELLS LOCATED FROM DECATUR BLVD. STA 136+00 TO RANCHO DRIVE STA 238+00 AND FROM PARADISE ROAD STA 805+00 TO MOJAVE ROAD STA 950+00 EXCEPT AS NOTED ABOVE IN NOTE 10. (SEE CIVIL PLANS FOR DETAILS)
11. STANDARD TREE WELLS TO BE CENTERED 2.5 FT FROM THE BACK OF EXISTING CURB THROUGHOUT SITE EXCEPT AS NOTED ON PLANS.
12. MEDIAN ISLANDS WILL USE 1/4" MINUS DECOMPOSED GRANITE WITHIN 4 FEET OF THE CURB BUT MAY USE 2-4" ROCK IN WIDE MEDIANS, PLACED AT LEAST 4 FEET BACK OF THE MEDIAN ISLAND CURB
13. THE MEDIAN ISLANDS SHOULD BE MOUNDED, WITH A 6H:1V MAXIMUM SLOPE FROM THE BACK OF CURB TO THE CENTER OF THE MEDIAN AND WITH ROUNDING OF THE TOP OF THE MOUNDED EMBANKMENT IN THE CENTER MEDIAN
14. SIDEWALK FINISH SHALL BE PLAIN (NOT STAMPED OR COLORED)
15. 4FT X 8FT PLANTER BOXES SHALL HAVE DECORATIVE FINISH. THE PLANTER BOXES SHALL HAVE A REDDISH COLOR, BY STAINING OR INTEGRAL PIGMENT. PLANTER BOXES SHALL BE PLACED SUCH THAT THE TOP OF THE BOX EXTENDS NO HIGHER THAN 24 INCHES ABOVE THE CURB. COLOR TO BE APPROVED BY OWNER PRIOR TO PERMANENT APPLICATION.
16. AT THE TIME OF PLANTING, SIDEWALK TREES SHALL HAVE A MINIMUM HEIGHT OF 8.0 FT MEASURED FROM THE TOP OF THE NEAREST CURB TO THE BOTTOM OF THE CANOPY
17. TREES TO BE REMOVED WILL BE DISPOSED OF BY CONTRACTOR AND WILL NOT BE SALVAGED

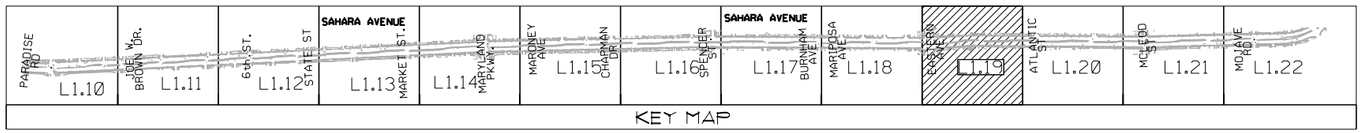
PLANT SCHEDULE

SYMBOL	BOTANICAL NAME	COMMON NAME	QTY.	SIZE	REMARKS
	TREES				
	ACACIA STENOPHYLLA	SHOESTRING ACACIA	493	24" BOX	
	PARKINSONIA (CERCIDIUM) X 'DESERT MUSEUM'	DESERT MUSEUM PALO VERDE	52	36" BOX	
	VITEX AGNUS - CASTUS	CHASTE TREE	289	36" BOX	

SYMBOL

¼" MINUS 'APACHE BROWN' DECOMPOSED GRANITE

2"-4" 'APACHE GOLD' DECOMPOSED GRANITE



RECORD DRAWINGS
DATE: 09/12/12

These record drawings have been reviewed based upon information furnished by others. While this information is believed to be reliable, JW Zunino Landscape Architecture cannot assure their accuracy of these record drawings or any errors or omissions that may have been incorporated as a result. Those relying on these record drawings are advised to obtain independent verification of their accuracy before applying it for any purpose

0 40' 80' 120'
SCALE: 1" = 40'-0"

NORTH

Call before you OVERHEAD
1-702-402-2929
NEVADA POWER ENVIRONMENT AND SAFETY SERVICES DEPARTMENT
AVOID HITTING OVERHEAD UTILITY LINES. IT'S COSTLY.

Call before you Dig. 811
UNDERGROUND SERVICE ALERT (USA)
AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY.

AS-BUILT - 05.31.2012

REV. NO.	DATE	DESCRIPTION	APPROVED

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

LANDSCAPE PLANTING PLAN

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: SEC
DESIGNED BY: SEC CHECKED BY: WTS
APPROVED BY WTS

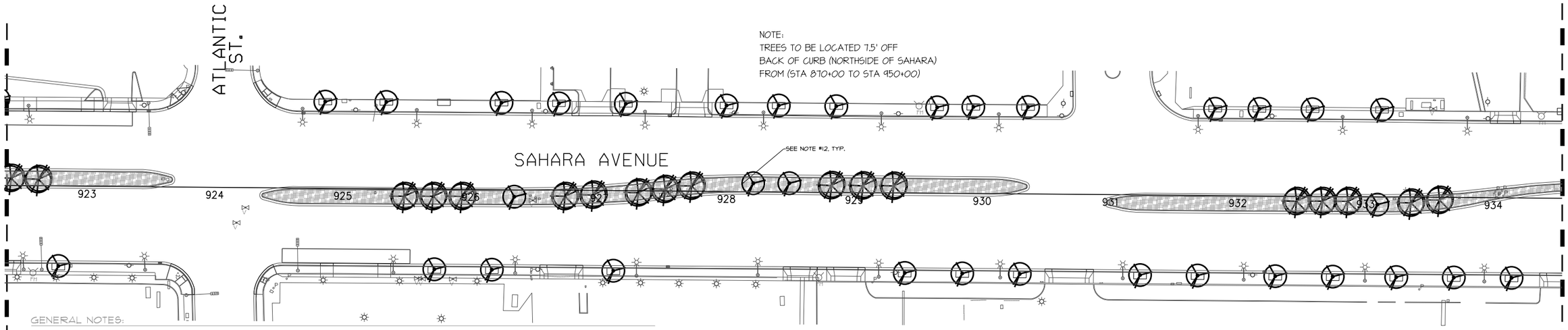
LAS VEGAS NV
3191 BLONDELL RD. | LAS VEGAS, NV 89146
P 702.253.3300 | F 702.253.1010
CARLSBAD CA
2248 FARADAY AVE. | CARLSBAD, CA 92008
JW ZUNINO LANDSCAPE ARCHITECTURE

SCALE
HORIZ: 1"=40'-0"
VERT: NA
FIELD BOOK: NONE

SHEET No. L1.19

Sheet 224 of 592

XREF :
FILE :



GENERAL NOTES:

1. CONTRACTOR IS RESPONSIBLE TO VERIFY ALL PLANT QUANTITIES. THE PLANT SCHEDULE IS INTENDED AS A REFERENCE ONLY.
2. LANDSCAPE ARCHITECT IS TO APPROVE ALL PLANT MATERIAL PRIOR TO INSTALLATION WITH PRIOR NOTICE OF 48 HOURS.
3. PLANT MATERIAL IS TO HAVE IDENTIFICATION TAGS ON 10% OF THE TOTAL QUANTITY OF EACH SPECIES, SHOWING GENUS, SPECIES, VARIETY, ETC.
4. CONTRACTOR TO PROVIDE MATCHING SIZES AND FORMS OF LIKE SHRUB SPECIES AS SHOWN ON DRAWINGS.
5. CONTRACTOR TO PROVIDE POSITIVE DRAINAGE AWAY FROM ALL STRUCTURES, WALLS, AND ON ALL SIDEWALKS ACCORDING TO ALL CODES, REGULATIONS, AND REQUIREMENTS.
6. DECOMPOSED GRANITE, 1/4" MINUS, COLOR: "APACHE BROWN", 2" DEPTH TYPICAL AND 2"-4" 'APACHE GOLD', 4" DEPTH TYPICAL. ALL TREE WELLS TO HAVE 3/8" MINUS 'APACHE BROWN.' DECOMPOSED GRANITE SHALL CONTAIN 60% AGGREGATE AND 40% FINES. CONTRACTOR TO RECEIVE VERIFICATION FROM ROCK SUPPLIER AND PRESENT VERIFICATION TO THE OWNER PRIOR TO ANY CONSTRUCTION.

   WHOLESALE DEALER:
   KALAMAZOO MATERIALS, INC.
   3909 VEGAS DRIVE
   LAS VEGAS, NV 89108
   TELEPHONE: (702) 296-9131
   CONTACT: TRACEY LOCKWOOD

   OR

   VISTA LANDSCAPE COMPANY
   20 N. GIBSON ROAD
   HENDERSON, NV 89014
   (702) 565-6611

7. CONTRACTOR TO INSTALL ROOT GUARD AT THE PERIMETER/EDGE OF PAVEMENT OF ALL PLANTING AREAS NOTED ON THE PLANTING PLAN. CONTRACTOR TO INSTALL ROOT GUARD PER MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.

   MODEL: UB 24-2
   MANUFACTURER: DEEP ROOT PARTNERS, L.P.
   345 LORTON AVENUE
   BURLINGAME, CA 94010
   TELEPHONE: (800) 458-7668

   OR

   MODEL: EP2450
   MANUFACTURER: NDS
   21820 BURBANK BLVD., SUITE 200
   WOODLAND HILLS, CA 91367
   TELEPHONE: (800) 726-1994

8. CONTRACTOR TO COORDINATE AESTHETIC GRADING WITH ENGINEERING GRADING TO PROVIDE SITE DRAINAGE AS DESIGNED BY THE ENGINEER.
9. 4' X 8' PLANTER BOXES LOCATED ON SOUTHSIDE OF SAHARA FROM STA 858+00 TO STA 883+00. (SEE CIVIL PLANS FOR DETAILS)
10. 5' X 10' TREE WELLS LOCATED FROM DECATUR BLVD. STA 136+00 TO RANCHO DRIVE STA 238+00 AND FROM PARADISE ROAD STA 805+00 TO MOJAVE ROAD STA 950+00 EXCEPT AS NOTED ABOVE IN NOTE 10. (SEE CIVIL PLANS FOR DETAILS)
11. STANDARD TREE WELLS TO BE CENTERED 2.5 FT FROM THE BACK OF EXISTING CURB THROUGHOUT SITE EXCEPT AS NOTED ON PLANS.
12. MEDIAN ISLANDS WILL USE 1/4" MINUS DECOMPOSED GRANITE WITHIN 4 FEET OF THE CURB BUT MAY USE 2-4" ROCK IN WIDE MEDIANS, PLACED AT LEAST 4 FEET BACK OF THE MEDIAN ISLAND CURB
13. THE MEDIAN ISLANDS SHOULD BE MOUNDED, WITH A 6H:1V MAXIMUM SLOPE FROM THE BACK OF CURB TO THE CENTER OF THE MEDIAN AND WITH ROUNDING OF THE TOP OF THE MOUNDED EMBANKMENT IN THE CENTER MEDIAN
14. SIDEWALK FINISH SHALL BE PLAIN (NOT STAMPED OR COLORED)
15. 4FT X 8FT PLANTER BOXES SHALL HAVE DECORATIVE FINISH. THE PLANTER BOXES SHALL HAVE A REDDISH COLOR, BY STAINING OR INTEGRAL PIGMENT. PLANTER BOXES SHALL BE PLACED SUCH THAT THE TOP OF THE BOX EXTENDS NO HIGHER THAN 24 INCHES ABOVE THE CURB. COLOR TO BE APPROVED BY OWNER PRIOR TO PERMANENT APPLICATION.
16. AT THE TIME OF PLANTING, SIDEWALK TREES SHALL HAVE A MINIMUM HEIGHT OF 8.0 FT MEASURED FROM THE TOP OF THE NEAREST CURB TO THE BOTTOM OF THE CANOPY
17. TREES TO BE REMOVED WILL BE DISPOSED OF BY CONTRACTOR AND WILL NOT BE SALVAGED

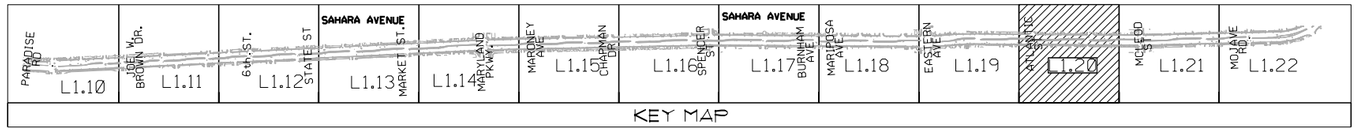
PLANT SCHEDULE

SYMBOL	BOTANICAL NAME	COMMON NAME	QTY.	SIZE	REMARKS
	TREES				
	ACACIA STENOPHYLLA	SHOESTRING ACACIA	493	24" BOX	
	PARKINSONIA (CERCIDIUM) X 'DESERT MUSEUM'	DESERT MUSEUM PALO VERDE	52	36" BOX	
	VITEX AGNUS - CASTUS	CHASTE TREE	289	36" BOX	

SYMBOL

¼" MINUS 'APACHE BROWN' DECOMPOSED GRANITE

2"-4" 'APACHE GOLD' DECOMPOSED GRANITE



RECORD DRAWINGS
DATE: 09/12/12

These record drawings have been reviewed based upon information furnished by others. While this information is believed to be reliable, JW Zunino Landscape Architecture cannot assure their accuracy of these record drawings or any errors or omissions that may have been incorporated as a result. Those relying on these record drawings are advised to obtain independent verification of their accuracy before applying it for any purpose

AVOID HITTING OVERHEAD UTILITY LINES. IT'S COSTLY.
Call before you OVERHEAD
1-702-402-2929
NEVADA POWER ENVIRONMENT AND SAFETY SERVICES DEPARTMENT

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY.
Call before you Dig.
811
UNDERGROUND SERVICE ALERT (USA)

XREF :
FILE :

REV. NO.	DATE	DESCRIPTION	APPROVED

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

LANDSCAPE PLANTING PLAN

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: SEC
DESIGNED BY: SEC CHECKED BY: WTS
APPROVED BY WTS

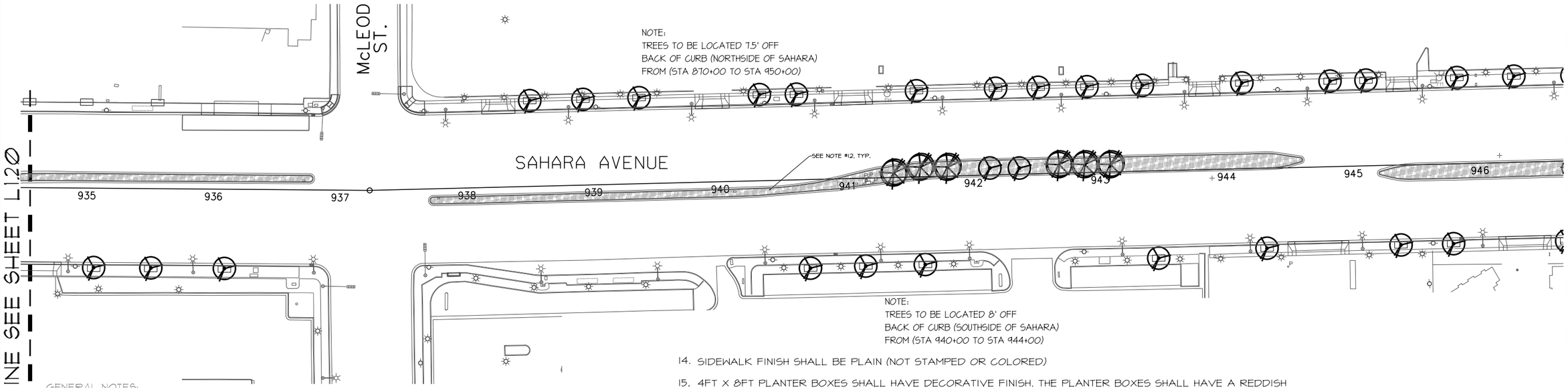
JW ZUNINO LANDSCAPE ARCHITECTURE
LAS VEGAS, NV
3191 BLONDE BLVD. | LAS VEGAS, NV 89146
P 702.253.3300 | F 702.253.1010
CARLSBAD, CA
2240 FARADAY AVE. | CARLSBAD, CA 92008

SCALE
HORIZ : 1"=40'-0"
VERT : NA
FIELD BOOK :
NONE

SHEET No.
L1.20

MATCHLINE SEE SHEET L1.20

MATCHLINE SEE SHEET L1.22



GENERAL NOTES:

1. CONTRACTOR IS RESPONSIBLE TO VERIFY ALL PLANT QUANTITIES. THE PLANT SCHEDULE IS INTENDED AS A REFERENCE ONLY.
2. LANDSCAPE ARCHITECT IS TO APPROVE ALL PLANT MATERIAL PRIOR TO INSTALLATION WITH PRIOR NOTICE OF 48 HOURS.
3. PLANT MATERIAL IS TO HAVE IDENTIFICATION TAGS ON 10% OF THE TOTAL QUANTITY OF EACH SPECIES, SHOWING GENUS, SPECIES, VARIETY, ETC.
4. CONTRACTOR TO PROVIDE MATCHING SIZES AND FORMS OF LIKE SHRUB SPECIES AS SHOWN ON DRAWINGS.
5. CONTRACTOR TO PROVIDE POSITIVE DRAINAGE AWAY FROM ALL STRUCTURES, WALLS, AND ON ALL SIDEWALKS ACCORDING TO ALL CODES, REGULATIONS, AND REQUIREMENTS.
6. DECOMPOSED GRANITE, 1/4" MINUS, COLOR: "APACHE BROWN", 2" DEPTH TYPICAL AND 2"-4" 'APACHE GOLD', 4" DEPTH TYPICAL. ALL TREE WELLS TO HAVE 3/8" MINUS 'APACHE BROWN.' DECOMPOSED GRANITE SHALL CONTAIN 60% AGGREGATE AND 40% FINES. CONTRACTOR TO RECEIVE VERIFICATION FROM ROCK SUPPLIER AND PRESENT VERIFICATION TO THE OWNER PRIOR TO ANY CONSTRUCTION.

   WHOLESALE DEALER:
   KALAMAZOO MATERIALS, INC.
   3909 VEGAS DRIVE
   LAS VEGAS, NV 89108
   TELEPHONE: (702) 296-9131
   CONTACT: TRACEY LOCKWOOD

   OR

   VISTA LANDSCAPE COMPANY
   20 N. GIBSON ROAD
   HENDERSON, NV 89014
   (702) 565-6611

7. CONTRACTOR TO INSTALL ROOT GUARD AT THE PERIMETER/EDGE OF PAVEMENT OF ALL PLANTING AREAS NOTED ON THE PLANTING PLAN. CONTRACTOR TO INSTALL ROOT GUARD PER MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.

   MODEL: UB 24-2
   MANUFACTURER: DEEP ROOT PARTNERS, L.P.
   345 LORTON AVENUE
   BURLINGAME, CA 94010
   TELEPHONE: (800) 458-7668

   OR

   MODEL: EP2450
   MANUFACTURER: NDS
   21820 BURBANK BLVD., SUITE 200
   WOODLAND HILLS, CA 91367
   TELEPHONE: (800) 726-1944

8. CONTRACTOR TO COORDINATE AESTHETIC GRADING WITH ENGINEERING GRADING TO PROVIDE SITE DRAINAGE AS DESIGNED BY THE ENGINEER.
9. 4' X 8' PLANTER BOXES LOCATED ON SOUTHSIDE OF SAHARA FROM STA 858+00 TO STA 883+00. (SEE CIVIL PLANS FOR DETAILS)
10. 5' X 10' TREE WELLS LOCATED FROM DECATUR BLVD. STA 136+00 TO RANCHO DRIVE STA 238+00 AND FROM PARADISE ROAD STA 805+00 TO MOJAVE ROAD STA 950+00 EXCEPT AS NOTED ABOVE IN NOTE 10. (SEE CIVIL PLANS FOR DETAILS)
11. STANDARD TREE WELLS TO BE CENTERED 2.5 FT FROM THE BACK OF EXISTING CURB THROUGHOUT SITE EXCEPT AS NOTED ON PLANS.
12. MEDIAN ISLANDS WILL USE 1/4" MINUS DECOMPOSED GRANITE WITHIN 4 FEET OF THE CURB BUT MAY USE 2-4" ROCK IN WIDE MEDIANS, PLACED AT LEAST 4 FEET BACK OF THE MEDIAN ISLAND CURB
13. THE MEDIAN ISLANDS SHOULD BE MOUNDED, WITH A 6H:1V MAXIMUM SLOPE FROM THE BACK OF CURB TO THE CENTER OF THE MEDIAN AND WITH ROUNDING OF THE TOP OF THE MOUNDED EMBANKMENT IN THE CENTER MEDIAN
14. SIDEWALK FINISH SHALL BE PLAIN (NOT STAMPED OR COLORED)
15. 4FT X 8FT PLANTER BOXES SHALL HAVE DECORATIVE FINISH. THE PLANTER BOXES SHALL HAVE A REDDISH COLOR, BY STAINING OR INTEGRAL PIGMENT. PLANTER BOXES SHALL BE PLACED SUCH THAT THE TOP OF THE BOX EXTENDS NO HIGHER THAN 24 INCHES ABOVE THE CURB. COLOR TO BE APPROVED BY OWNER PRIOR TO PERMANENT APPLICATION.
16. AT THE TIME OF PLANTING, SIDEWALK TREES SHALL HAVE A MINIMUM HEIGHT OF 8.0 FT MEASURED FROM THE TOP OF THE NEAREST CURB TO THE BOTTOM OF THE CANOPY
17. TREES TO BE REMOVED WILL BE DISPOSED OF BY CONTRACTOR AND WILL NOT BE SALVAGED

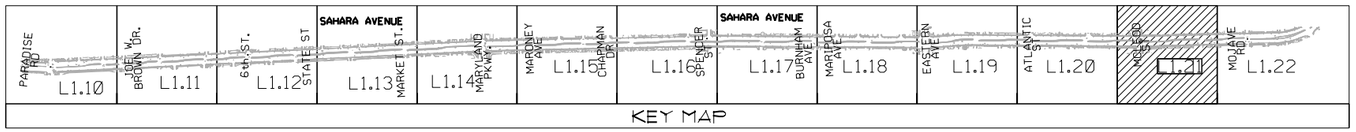
PLANT SCHEDULE

SYMBOL	BOTANICAL NAME	COMMON NAME	QTY.	SIZE	REMARKS
	TREES				
	ACACIA STENOPHYLLA	SHOESTRING ACACIA	493	24" BOX	
	PARKINSONIA (CERCIDIUM) X 'DESERT MUSEUM'	DESERT MUSEUM PALO VERDE	52	36" BOX	
	VITEX AGNUS - CASTUS	CHASTE TREE	289	36" BOX	

SYMBOL

¼" MINUS 'APACHE BROWN' DECOMPOSED GRANITE

2"-4" 'APACHE GOLD' DECOMPOSED GRANITE



RECORD DRAWINGS
DATE: 09/12/12

These record drawings have been reviewed based upon information furnished by others. While this information is believed to be reliable, JW Zunino Landscape Architecture cannot assure their accuracy of these record drawings or any errors or omissions that may have been incorporated as a result. Those relying on these record drawings are advised to obtain independent verification of their accuracy before applying it for any purpose

0 40' 80' 120'

SCALE: 1" = 40'-0"

NORTH

AVOID HITTING OVERHEAD UTILITY LINES. IT'S ODD.
Call before you OVERHEAD
1-702-402-2929
NEVADA POWER ENVIRONMENTAL AND SAFETY SERVICES DEPARTMENT

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S ODD.
Call before you Dig.
811
UNDERGROUND SERVICE ALERT (USA)

REV. NO.	DATE	DESCRIPTION	APPROVED

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

LANDSCAPE PLANTING PLAN

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No:	CB 1083	DRAWN BY:	SEC
DESIGNED BY:	SEC	CHECKED BY:	WTS
APPROVED BY	WTS		

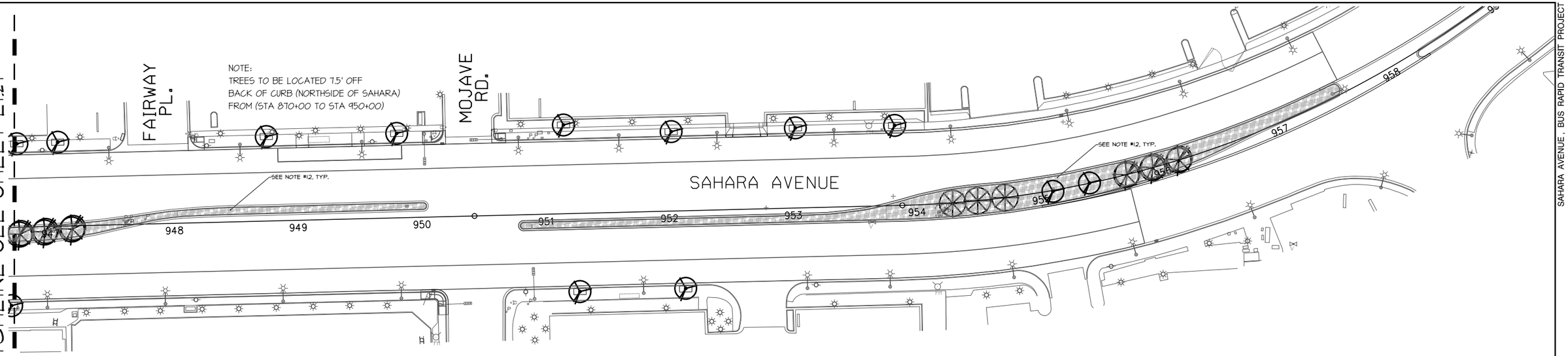
JW ZUNINO LANDSCAPE ARCHITECTURE
LAS VEGAS, NV 3111 S. JONES BLVD. | LAS VEGAS, NV 89146 | P 702.793.5300 | F 702.793.1010
CARLSBAD, CA 2248 FARADAY AVE. | CARLSBAD, CA 92008

SCALE
HORIZ: 1"=40'-0"
VERT: NA
FIELD BOOK:
NONE

SHEET No.
L1.21
Sheet 226 of 592

AS-BUILT - 05.31.2012

XREF :
FILE :



SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS-BUILT - 05.31.2012

GENERAL NOTES:

1. CONTRACTOR IS RESPONSIBLE TO VERIFY ALL PLANT QUANTITIES. THE PLANT SCHEDULE IS INTENDED AS A REFERENCE ONLY.
2. LANDSCAPE ARCHITECT IS TO APPROVE ALL PLANT MATERIAL PRIOR TO INSTALLATION WITH PRIOR NOTICE OF 48 HOURS.
3. PLANT MATERIAL IS TO HAVE IDENTIFICATION TAGS ON 10% OF THE TOTAL QUANTITY OF EACH SPECIES, SHOWING GENUS, SPECIES, VARIETY, ETC.
4. CONTRACTOR TO PROVIDE MATCHING SIZES AND FORMS OF LIKE SHRUB SPECIES AS SHOWN ON DRAWINGS.
5. CONTRACTOR TO PROVIDE POSITIVE DRAINAGE AWAY FROM ALL STRUCTURES, WALLS, AND ON ALL SIDEWALKS ACCORDING TO ALL CODES, REGULATIONS, AND REQUIREMENTS.
6. DECOMPOSED GRANITE, 1/4" MINUS, COLOR: "APACHE BROWN", 2" DEPTH TYPICAL AND 2"-4" 'APACHE GOLD', 4" DEPTH TYPICAL. ALL TREE WELLS TO HAVE 3/8" MINUS 'APACHE BROWN.' DECOMPOSED GRANITE SHALL CONTAIN 60% AGGREGATE AND 40% FINES. CONTRACTOR TO RECEIVE VERIFICATION FROM ROCK SUPPLIER AND PRESENT VERIFICATION TO THE OWNER PRIOR TO ANY CONSTRUCTION.

WHOLESALE DEALER: KALAMAZOO MATERIALS, INC. 3909 VEGAS DRIVE LAS VEGAS, NV 89108 TELEPHONE: (702) 296-9131 CONTACT: TRACEY LOCKWOOD	OR	VISTA LANDSCAPE COMPANY 20 N. GIBSON ROAD HENDERSON, NV 89014 (702) 565-6611

7. CONTRACTOR TO INSTALL ROOT GUARD AT THE PERIMETER/EDGE OF PAVEMENT OF ALL PLANTING AREAS NOTED ON THE PLANTING PLAN. CONTRACTOR TO INSTALL ROOT GUARD PER MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.

MODEL: UB 24-2 MANUFACTURER: DEEP ROOT PARTNERS, L.P. 345 LORTON AVENUE BURLINGAME, CA 94010 TELEPHONE: (800) 458-7668	OR	MODEL: EP2450 MANUFACTURER: NDS 21820 BURBANK BLVD., SUITE 200 WOODLAND HILLS, CA 91367 TELEPHONE: (800) 726-1994

8. CONTRACTOR TO COORDINATE AESTHETIC GRADING WITH ENGINEERING GRADING TO PROVIDE SITE DRAINAGE AS DESIGNED BY THE ENGINEER.
9. 4' X 8' PLANTER BOXES LOCATED ON SOUTHSIDE OF SAHARA FROM STA 858+00 TO STA 883+00. (SEE CIVIL PLANS FOR DETAILS)
10. 5' X 10' TREE WELLS LOCATED FROM DECATUR BLVD. STA 136+00 TO RANCHO DRIVE STA 238+00 AND FROM PARADISE ROAD STA 805+00 TO MOJAVE ROAD STA 950+00 EXCEPT AS NOTED ABOVE IN NOTE 10. (SEE CIVIL PLANS FOR DETAILS)
11. STANDARD TREE WELLS TO BE CENTERED 2.5 FT FROM THE BACK OF EXISTING CURB THROUGHOUT SITE EXCEPT AS NOTED ON PLANS.
12. MEDIAN ISLANDS WILL USE 1/4" MINUS DECOMPOSED GRANITE WITHIN 4 FEET OF THE CURB BUT MAY USE 2-4" ROCK IN WIDE MEDIANS, PLACED AT LEAST 4 FEET BACK OF THE MEDIAN ISLAND CURB
13. THE MEDIAN ISLANDS SHOULD BE MOUNDED, WITH A 6H:1V MAXIMUM SLOPE FROM THE BACK OF CURB TO THE CENTER OF THE MEDIAN AND WITH ROUNDING OF THE TOP OF THE MOUNDED EMBANKMENT IN THE CENTER MEDIAN
14. SIDEWALK FINISH SHALL BE PLAIN (NOT STAMPED OR COLORED)
15. 4FT X 8FT PLANTER BOXES SHALL HAVE DECORATIVE FINISH. THE PLANTER BOXES SHALL HAVE A REDDISH COLOR, BY STAINING OR INTEGRAL PIGMENT. PLANTER BOXES SHALL BE PLACED SUCH THAT THE TOP OF THE BOX EXTENDS NO HIGHER THAN 24 INCHES ABOVE THE CURB. COLOR TO BE APPROVED BY OWNER PRIOR TO PERMANENT APPLICATION.
16. AT THE TIME OF PLANTING, SIDEWALK TREES SHALL HAVE A MINIMUM HEIGHT OF 8.0 FT MEASURED FROM THE TOP OF THE NEAREST CURB TO THE BOTTOM OF THE CANOPY
17. TREES TO BE REMOVED WILL BE DISPOSED OF BY CONTRACTOR AND WILL NOT BE SALVAGED

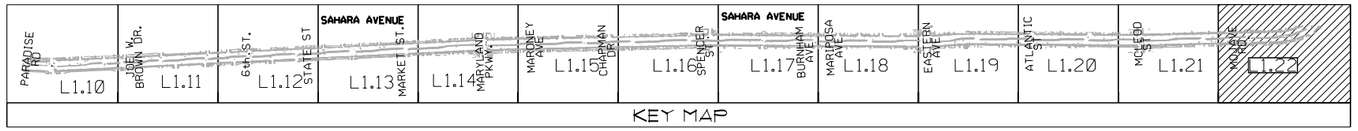
PLANT SCHEDULE

SYMBOL	BOTANICAL NAME	COMMON NAME	QTY.	SIZE	REMARKS
	TREES				
	ACACIA STENOPHYLLA	SHOESTRING ACACIA	493	24" BOX	
	PARKINSONIA (CERCIDIUM) X 'DESERT MUSEUM'	DESERT MUSEUM PALO VERDE	52	36" BOX	
	VITEX AGNUS - CASTUS	CHASTE TREE	289	36" BOX	

SYMBOL

¼" MINUS 'APACHE BROWN' DECOMPOSED GRANITE

2"-4" 'APACHE GOLD' DECOMPOSED GRANITE



RECORD DRAWINGS
DATE: 09/12/12

These record drawings have been reviewed based upon information furnished by others. While this information is believed to be reliable, JW Zunino Landscape Architecture cannot assure their accuracy of these record drawings or any errors or omissions that may have been incorporated as a result. Those relying on these record drawings are advised to obtain independent verification of their accuracy before applying it for any purpose

0 40' 80' 120'

SCALE: 1" = 40'-0"

NORTH

Call before you OVERHEAD 1-702-402-2929 TO HELP YOUR ENVIRONMENT AND SAFETY SERVICES DEPARTMENT

Call before you Dig. 811 UNDERGROUND SERVICE ALERT (USA)

REV. NO.	DATE	DESCRIPTION	APPROVED

XREF :
FILE :

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

LANDSCAPE PLANTING PLAN

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

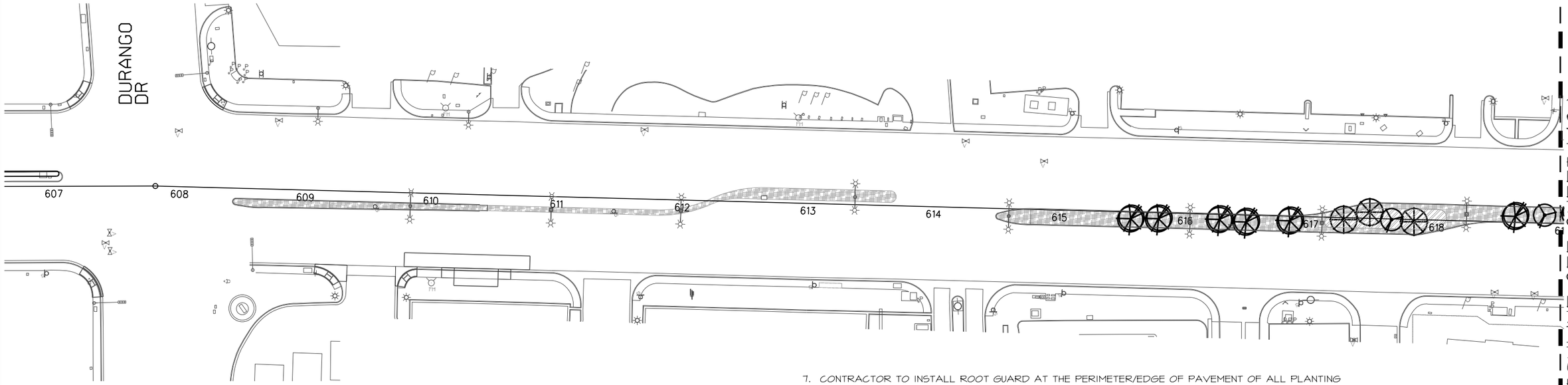
PROJECT No: CB 1083 DRAWN BY: SEC
DESIGNED BY: SEC CHECKED BY: WTS
APPROVED BY WTS

JW ZUNINO LANDSCAPE ARCHITECTURE
LAS VEGAS NV 3191 ST JONES BLVD. | LAS VEGAS, NV 89146 P 702.792.2300 | F 702.792.1010
CARLSBAD CA 2246 FARADAY AVE. | CARLSBAD, CA 92008

SCALE
HORIZ: 1"=40'-0"
VERT: NA
FIELD BOOK: NONE

SHEET No. L1.22

Sheet 227 of 592



SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS-BUILT - 05.31.2012

PLANT SCHEDULE FOR DURANGO TO DECATUR ONLY

SYMBOL	BOTANICAL NAME	COMMON NAME	QTY.	SIZE	REMARKS
	TREES				
	PARKINSONIA (CERCIDIUM) X 'DESERT MUSEUM'	DESERT MUSEUM PALO VERDE	88	36" BOX	
	VITEX AGNUS - CASTUS	CHASTE TREE	164	36" BOX	

SYMBOL

¼" MINUS 'APACHE BROWN' DECOMPOSED GRANITE

2"-4" 'APACHE GOLD' DECOMPOSED GRANITE

GENERAL NOTES:

1. CONTRACTOR IS RESPONSIBLE TO VERIFY ALL PLANT QUANTITIES. THE PLANT SCHEDULE IS INTENDED AS A REFERENCE ONLY.
2. LANDSCAPE ARCHITECT IS TO APPROVE ALL PLANT MATERIAL PRIOR TO INSTALLATION WITH PRIOR NOTICE OF 48 HOURS.
3. PLANT MATERIAL IS TO HAVE IDENTIFICATION TAGS ON 10% OF THE TOTAL QUANTITY OF EACH SPECIES, SHOWING GENUS, SPECIES, VARIETY, ETC.
4. CONTRACTOR TO PROVIDE MATCHING SIZES AND FORMS OF LIKE SHRUB SPECIES AS SHOWN ON DRAWINGS.
5. CONTRACTOR TO PROVIDE POSITIVE DRAINAGE AWAY FROM ALL STRUCTURES, WALLS, AND ON ALL SIDEWALKS ACCORDING TO ALL CODES, REGULATIONS, AND REQUIREMENTS.
6. DECOMPOSED GRANITE, 1/4" MINUS, COLOR: "APACHE BROWN", 2" DEPTH TYPICAL AND 2"-4" 'APACHE GOLD', 4" DEPTH TYPICAL. DECOMPOSED GRANITE SHALL CONTAIN 60% AGGREGATE AND 40% FINES. CONTRACTOR TO RECEIVE VERIFICATION FROM ROCK SUPPLIER AND PRESENT VERIFICATION TO THE OWNER PRIOR TO ANY CONSTRUCTION.

WHOLESALE DEALER:
KALAMAZOO MATERIALS, INC.
3909 VEGAS DRIVE
LAS VEGAS, NV 89108
TELEPHONE: (702) 296-9131
CONTACT: TRACEY LOCKWOOD

OR

VISTA LANDSCAPE COMPANY
20 N. GIBSON ROAD
HENDERSON, NV 89014
(702) 565-6611

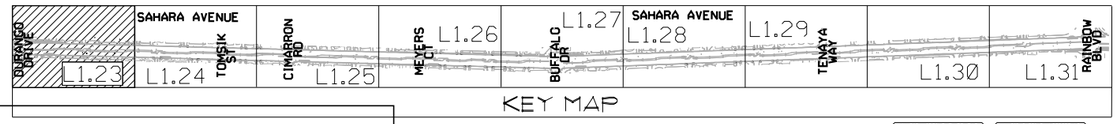
7. CONTRACTOR TO INSTALL ROOT GUARD AT THE PERIMETER/EDGE OF PAVEMENT OF ALL PLANTING AREAS. CONTRACTOR TO INSTALL ROOT GUARD PER MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.

MODEL: UB 24-2
MANUFACTURER: DEEP ROOT PARTNERS, L.P.
345 LORTON AVENUE
BURLINGAME, CA 94010
TELEPHONE: (800) 458-7668

OR

MODEL: EP2450
MANUFACTURER: NDS
21820 BURBANK BLVD., SUITE 200
WOODLAND HILLS, CA 91367
TELEPHONE: (800) 726-1994

8. CONTRACTOR TO COORDINATE AESTHETIC GRADING WITH ENGINEERING GRADING TO PROVIDE SITE DRAINAGE AS DESIGNED BY THE ENGINEER.
9. 4' X 8' PLANTER BOXES LOCATED ON SOUTHSIDE OF SAHARA FROM STA 858+00 TO STA 883+00. (SEE CIVIL PLANS FOR DETAILS)
10. 5' X 10' TREE WELLS LOCATED FROM DECATUR BLVD. STA 136+00 TO RANCHO DRIVE STA 238+00 AND FROM PARADISE ROAD STA 805+00 TO MOJAVE ROAD STA 950+00 EXCEPT AS NOTED ABOVE IN NOTE 10. (SEE CIVIL PLANS FOR DETAILS)
11. STANDARD TREE WELLS TO BE CENTERED 2.5 FT FROM THE BACK OF EXISTING CURB THROUGHOUT SITE EXCEPT AS NOTED ON PLANS.
12. MEDIAN ISLANDS WILL USE 1/4" MINUS DECOMPOSED GRANITE WITHIN 4 FEET OF THE CURB BUT MAY USE 2-4" ROCK IN WIDE MEDIANS, PLACED AT LEAST 4 FEET BACK OF THE MEDIAN ISLAND CURB
13. THE MEDIAN ISLANDS SHOULD BE MOUNDED, WITH A 6H:1V MAXIMUM SLOPE FROM THE BACK OF CURB TO THE CENTER OF THE MEDIAN AND WITH ROUNDING OF THE TOP OF THE MOUNDED EMBANKMENT IN THE CENTER MEDIAN
14. SIDEWALK FINISH SHALL BE PLAIN (NOT STAMPED OR COLORED)
15. 4FT X 8FT PLANTER BOXES SHALL HAVE DECORATIVE FINISH. THE PLANTER BOXES SHALL HAVE A REDDISH COLOR, BY STAINING OR INTEGRAL PIGMENT. PLANTER BOXES SHALL BE PLACED SUCH THAT THE TOP OF THE BOX EXTENDS NO HIGHER THAN 24 INCHES ABOVE THE CURB. COLOR TO BE APPROVED BY OWNER PRIOR TO PERMANENT APPLICATION.
16. AT THE TIME OF PLANTING, SIDEWALK TREES SHALL HAVE A MINIMUM HEIGHT OF 8.0 FT MEASURED FROM THE TOP OF THE NEAREST CURB TO THE BOTTOM OF THE CANOPY
17. TREES TO BE REMOVED WILL BE DISPOSED OF BY CONTRACTOR AND WILL NOT BE SALVAGED



RECORD DRAWINGS
DATE: 09/12/12

These record drawings have been reviewed based upon information furnished by others. While this information is believed to be reliable, JW Zunino Landscape Architecture cannot assure their accuracy of these record drawings or any errors or omissions that may have been incorporated as a result. Those relying on these record drawings are advised to obtain independent verification of their accuracy before applying it for any purpose

Call before you OVERHEAD 1-702-402-2929 NEVADA POWER ENVIRONMENT AND SAFETY SERVICES DEPARTMENT

Call before you Dig. 811 UNDERGROUND SERVICE ALERT (USA)

REV. NO.	DATE	DESCRIPTION	APPROVED

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
LANDSCAPE PLANTING PLAN

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No:	CB 1083	DRAWN BY:	SEC
DESIGNED BY:	SEC	CHECKED BY:	WTS
APPROVED BY	WTS		

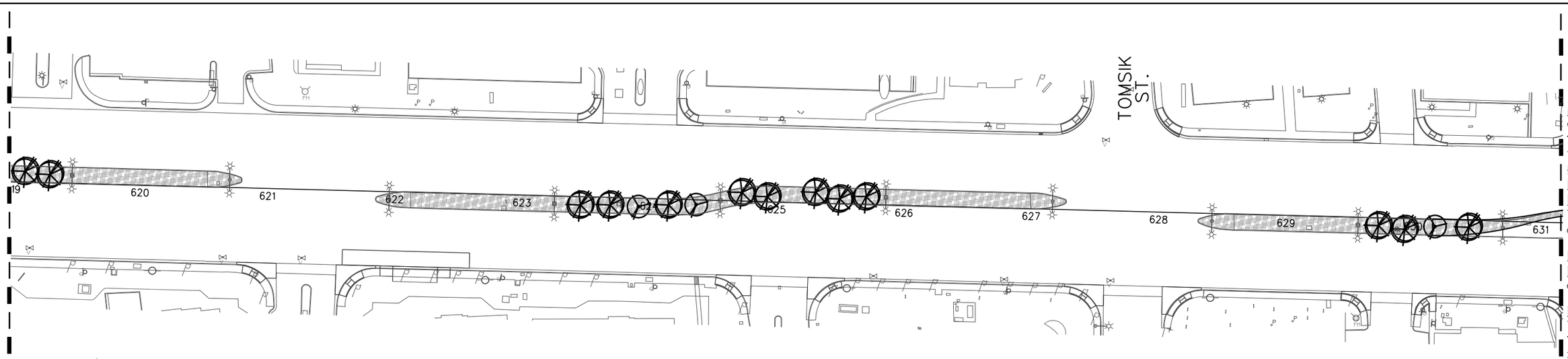
J W ZUNINO LANDSCAPE ARCHITECTURE
LAS VEGAS, NV 3131 SLOANES BLVD. | LAS VEGAS, NV 89146 P 702.933.5300 | F 702.933.5301
CARLSBAD, CA 2240 FARADAY AVE. | CARLSBAD, CA 92008

SCALE
HORIZ : 1"=40'-0"
VERT : NA
FIELD BOOK : NONE

SHEET No. L1.23

Sheet 227A of 592

XREF :
FILE :



PLANT SCHEDULE FOR DURANGO TO DECATUR ONLY

SYMBOL	BOTANICAL NAME	COMMON NAME	QTY.	SIZE	REMARKS
	TREES				
	PARKINSONIA (CERCIDIUM) X 'DESERT MUSEUM'	DESERT MUSEUM PALO VERDE	88	36" BOX	
	VITEX AGNUS - CASTUS	CHASTE TREE	164	36" BOX	

SYMBOL

¼" MINUS 'APACHE BROWN' DECOMPOSED GRANITE

2"-4" 'APACHE GOLD' DECOMPOSED GRANITE

GENERAL NOTES:

1. CONTRACTOR IS RESPONSIBLE TO VERIFY ALL PLANT QUANTITIES. THE PLANT SCHEDULE IS INTENDED AS A REFERENCE ONLY.
2. LANDSCAPE ARCHITECT IS TO APPROVE ALL PLANT MATERIAL PRIOR TO INSTALLATION WITH PRIOR NOTICE OF 48 HOURS.
3. PLANT MATERIAL IS TO HAVE IDENTIFICATION TAGS ON 10% OF THE TOTAL QUANTITY OF EACH SPECIES, SHOWING GENUS, SPECIES, VARIETY, ETC.
4. CONTRACTOR TO PROVIDE MATCHING SIZES AND FORMS OF LIKE SHRUB SPECIES AS SHOWN ON DRAWINGS.
5. CONTRACTOR TO PROVIDE POSITIVE DRAINAGE AWAY FROM ALL STRUCTURES, WALLS, AND ON ALL SIDEWALKS ACCORDING TO ALL CODES, REGULATIONS, AND REQUIREMENTS.
6. DECOMPOSED GRANITE, 1/4" MINUS, COLOR: "APACHE BROWN", 2" DEPTH TYPICAL AND 2"-4" 'APACHE GOLD', 4" DEPTH TYPICAL. DECOMPOSED GRANITE SHALL CONTAIN 60% AGGREGATE AND 40% FINES. CONTRACTOR TO RECEIVE VERIFICATION FROM ROCK SUPPLIER AND PRESENT VERIFICATION TO THE OWNER PRIOR TO ANY CONSTRUCTION.

WHOLESALE DEALER:
KALAMAZOO MATERIALS, INC.
3909 VEGAS DRIVE
LAS VEGAS, NV 89108
TELEPHONE: (702) 296-9131
CONTACT: TRACEY LOCKWOOD

OR

VISTA LANDSCAPE COMPANY
20 N. GIBSON ROAD
HENDERSON, NV 89014
(702) 565-6611

7. CONTRACTOR TO INSTALL ROOT GUARD AT THE PERIMETER/EDGE OF PAVEMENT OF ALL PLANTING AREAS. CONTRACTOR TO INSTALL ROOT GUARD PER MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.

MODEL: UB 24-2
MANUFACTURER: DEEP ROOT PARTNERS, L.P.
345 LORTON AVENUE
BURLINGAME, CA 94010
TELEPHONE: (800) 458-7668

OR

MODEL: EP2450
MANUFACTURER: NDS
21820 BURBANK BLVD., SUITE 200
WOODLAND HILLS, CA 91367
TELEPHONE: (800) 726-1994

8. CONTRACTOR TO COORDINATE AESTHETIC GRADING WITH ENGINEERING GRADING TO PROVIDE SITE DRAINAGE AS DESIGNED BY THE ENGINEER.
9. 4' X 8' PLANTER BOXES LOCATED ON SOUTHSIDE OF SAHARA FROM STA 858+00 TO STA 883+00. (SEE CIVIL PLANS FOR DETAILS)
10. 5' X 10' TREE WELLS LOCATED FROM DECATUR BLVD. STA 136+00 TO RANCHO DRIVE STA 238+00 AND FROM PARADISE ROAD STA 805+00 TO MOJAVE ROAD STA 950+00 EXCEPT AS NOTED ABOVE IN NOTE 10. (SEE CIVIL PLANS FOR DETAILS)
11. STANDARD TREE WELLS TO BE CENTERED 2.5 FT FROM THE BACK OF EXISTING CURB THROUGHOUT SITE EXCEPT AS NOTED ON PLANS.
12. MEDIAN ISLANDS WILL USE 1/4" MINUS DECOMPOSED GRANITE WITHIN 4 FEET OF THE CURB BUT MAY USE 2-4" ROCK IN WIDE MEDIANS, PLACED AT LEAST 4 FEET BACK OF THE MEDIAN ISLAND CURB
13. THE MEDIAN ISLANDS SHOULD BE MOUNDED, WITH A 6H:1V MAXIMUM SLOPE FROM THE BACK OF CURB TO THE CENTER OF THE MEDIAN AND WITH ROUNDING OF THE TOP OF THE MOUNDED EMBANKMENT IN THE CENTER MEDIAN
14. SIDEWALK FINISH SHALL BE PLAIN (NOT STAMPED OR COLORED)
15. 4FT X 8FT PLANTER BOXES SHALL HAVE DECORATIVE FINISH. THE PLANTER BOXES SHALL HAVE A REDDISH COLOR, BY STAINING OR INTEGRAL PIGMENT. PLANTER BOXES SHALL BE PLACED SUCH THAT THE TOP OF THE BOX EXTENDS NO HIGHER THAN 24 INCHES ABOVE THE CURB. COLOR TO BE APPROVED BY OWNER PRIOR TO PERMANENT APPLICATION.
16. AT THE TIME OF PLANTING, SIDEWALK TREES SHALL HAVE A MINIMUM HEIGHT OF 8.0 FT MEASURED FROM THE TOP OF THE NEAREST CURB TO THE BOTTOM OF THE CANOPY
17. TREES TO BE REMOVED WILL BE DISPOSED OF BY CONTRACTOR AND WILL NOT BE SALVAGED

RECORD DRAWINGS
DATE: 09/12/12

These record drawings have been reviewed based upon information furnished by others. While this information is believed to be reliable, JW Zunino Landscape Architecture cannot assure their accuracy of these record drawings or any errors or omissions that may have been incorporated as a result. Those relying on these record drawings are advised to obtain independent verification of their accuracy before applying it for any purpose

0 40' 80' 120'
SCALE: 1" = 40'-0"

NORTH

AVOID HITTING OVERHEAD UTILITY LINES. IT'S ILLEGAL! Call before you OVERHEAD 1-702-402-2929 NEVADA POWER, ENVIRONMENT AND SAFETY SERVICES DEPARTMENT

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S ILLEGAL! Call before you Dig. 811 UNDERGROUND SERVICE ALERT (USA)

AS-BUILT - 05.31.2012

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

REV. NO.	DATE	DESCRIPTION	APPROVED

XREF :
FILE :

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
LANDSCAPE PLANTING PLAN

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

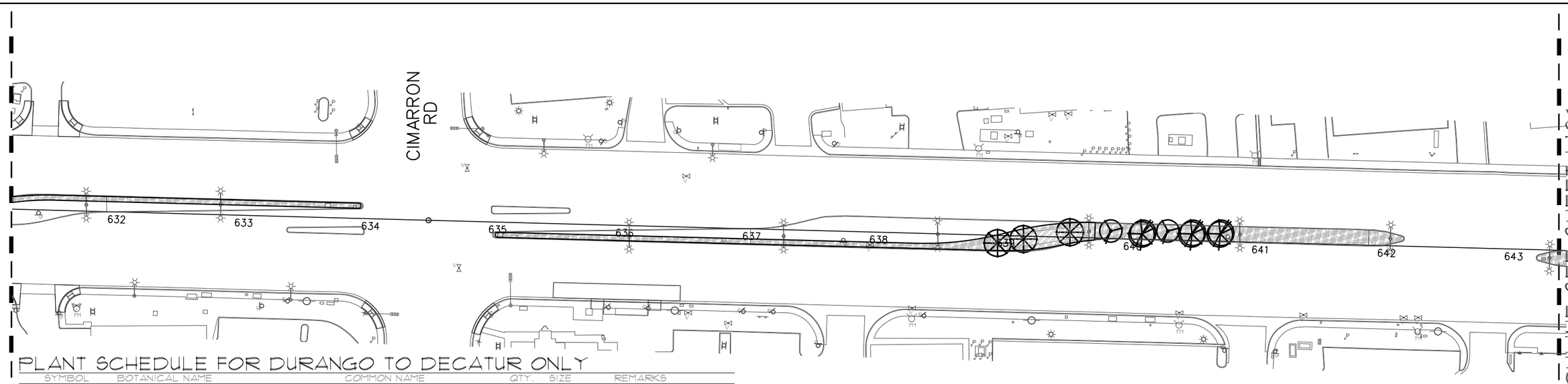
PROJECT No: CB 1083 DRAWN BY: SEC
DESIGNED BY: SEC CHECKED BY: WTS
APPROVED BY WTS

J W ZUNINO LANDSCAPE ARCHITECTURE
LAS VEGAS NV 3191 BLOOMS BLVD | LAS VEGAS, NV 89146 P 702.253.3300 | F 702.253.1010
CARLSBAD CA 2248 FARADAY AVE. | CARLSBAD, CA 92008

SCALE
HORIZ : 1"=40'-0"
VERT : NA
FIELD BOOK :
NONE

SHEET No.
L1.24
Sheet 227B of 592

MATCHLINE SEE SHEET L1.24



MATCHLINE SEE SHEET L1.26

PLANT SCHEDULE FOR DURANGO TO DECATUR ONLY

SYMBOL	BOTANICAL NAME	COMMON NAME	QTY.	SIZE	REMARKS
	TREES				
	PARKINSONIA (CERCIDIUM) X 'DESERT MUSEUM'	DESERT MUSEUM PALO VERDE	88	36" BOX	
	VITEX AGNUS - CASTUS	CHASTE TREE	164	36" BOX	

SYMBOL

¼" MINUS 'APACHE BROWN' DECOMPOSED GRANITE

2"-4" 'APACHE GOLD' DECOMPOSED GRANITE

GENERAL NOTES:

1. CONTRACTOR IS RESPONSIBLE TO VERIFY ALL PLANT QUANTITIES. THE PLANT SCHEDULE IS INTENDED AS A REFERENCE ONLY.
2. LANDSCAPE ARCHITECT IS TO APPROVE ALL PLANT MATERIAL PRIOR TO INSTALLATION WITH PRIOR NOTICE OF 48 HOURS.
3. PLANT MATERIAL IS TO HAVE IDENTIFICATION TAGS ON 10% OF THE TOTAL QUANTITY OF EACH SPECIES, SHOWING GENUS, SPECIES, VARIETY, ETC.
4. CONTRACTOR TO PROVIDE MATCHING SIZES AND FORMS OF LIKE SHRUB SPECIES AS SHOWN ON DRAWINGS.
5. CONTRACTOR TO PROVIDE POSITIVE DRAINAGE AWAY FROM ALL STRUCTURES, WALLS, AND ON ALL SIDEWALKS ACCORDING TO ALL CODES, REGULATIONS, AND REQUIREMENTS.
6. DECOMPOSED GRANITE, 1/4" MINUS, COLOR: "APACHE BROWN", 2" DEPTH TYPICAL AND 2"-4" 'APACHE GOLD', 4" DEPTH TYPICAL. DECOMPOSED GRANITE SHALL CONTAIN 60% AGGREGATE AND 40% FINES. CONTRACTOR TO RECEIVE VERIFICATION FROM ROCK SUPPLIER AND PRESENT VERIFICATION TO THE OWNER PRIOR TO ANY CONSTRUCTION.

WHOLESALE DEALER:
KALAMAZOO MATERIALS, INC.
3909 VEGAS DRIVE
LAS VEGAS, NV 89108
TELEPHONE: (702) 296-9131
CONTACT: TRACEY LOCKWOOD

OR

VISTA LANDSCAPE COMPANY
20 N. GIBSON ROAD
HENDERSON, NV 89014
(702) 565-6611

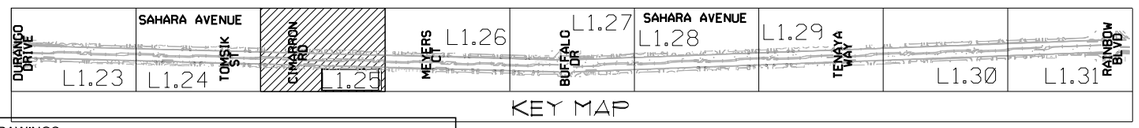
7. CONTRACTOR TO INSTALL ROOT GUARD AT THE PERIMETER/EDGE OF PAVEMENT OF ALL PLANTING AREAS. CONTRACTOR TO INSTALL ROOT GUARD PER MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.

MODEL: UB 24-2
MANUFACTURER: DEEP ROOT PARTNERS, L.P.
345 LORTON AVENUE
BURLINGAME, CA 94010
TELEPHONE: (800) 458-7668

OR

MODEL: EP2450
MANUFACTURER: NDS
21820 BURBANK BLVD., SUITE 200
WOODLAND HILLS, CA 91367
TELEPHONE: (800) 726-1994

8. CONTRACTOR TO COORDINATE AESTHETIC GRADING WITH ENGINEERING GRADING TO PROVIDE SITE DRAINAGE AS DESIGNED BY THE ENGINEER.
9. 4' X 8' PLANTER BOXES LOCATED ON SOUTHSIDE OF SAHARA FROM STA 858+00 TO STA 883+00. (SEE CIVIL PLANS FOR DETAILS)
10. 5' X 10' TREE WELLS LOCATED FROM DECATUR BLVD. STA 136+00 TO RANCHO DRIVE STA 238+00 AND FROM PARADISE ROAD STA 805+00 TO MOJAVE ROAD STA 950+00 EXCEPT AS NOTED ABOVE IN NOTE 10. (SEE CIVIL PLANS FOR DETAILS)
11. STANDARD TREE WELLS TO BE CENTERED 2.5 FT FROM THE BACK OF EXISTING CURB THROUGHOUT SITE EXCEPT AS NOTED ON PLANS.
12. MEDIAN ISLANDS WILL USE 1/4" MINUS DECOMPOSED GRANITE WITHIN 4 FEET OF THE CURB BUT MAY USE 2-4" ROCK IN WIDE MEDIANS, PLACED AT LEAST 4 FEET BACK OF THE MEDIAN ISLAND CURB
13. THE MEDIAN ISLANDS SHOULD BE MOUNDED, WITH A 6H:1V MAXIMUM SLOPE FROM THE BACK OF CURB TO THE CENTER OF THE MEDIAN AND WITH ROUNDING OF THE TOP OF THE MOUNDED EMBANKMENT IN THE CENTER MEDIAN
14. SIDEWALK FINISH SHALL BE PLAIN (NOT STAMPED OR COLORED)
15. 4FT X 8FT PLANTER BOXES SHALL HAVE DECORATIVE FINISH. THE PLANTER BOXES SHALL HAVE A REDDISH COLOR, BY STAINING OR INTEGRAL PIGMENT. PLANTER BOXES SHALL BE PLACED SUCH THAT THE TOP OF THE BOX EXTENDS NO HIGHER THAN 24 INCHES ABOVE THE CURB. COLOR TO BE APPROVED BY OWNER PRIOR TO PERMANENT APPLICATION.
16. AT THE TIME OF PLANTING, SIDEWALK TREES SHALL HAVE A MINIMUM HEIGHT OF 8.0 FT MEASURED FROM THE TOP OF THE NEAREST CURB TO THE BOTTOM OF THE CANOPY
17. TREES TO BE REMOVED WILL BE DISPOSED OF BY CONTRACTOR AND WILL NOT BE SALVAGED



RECORD DRAWINGS
DATE: 09/12/12

These record drawings have been reviewed based upon information furnished by others. While this information is believed to be reliable, JW Zunino Landscape Architecture cannot assure their accuracy of these record drawings or any errors or omissions that may have been incorporated as a result. Those relying on these record drawings are advised to obtain independent verification of their accuracy before applying it for any purpose

0 40' 80' 120'
SCALE: 1" = 40'-0"

NORTH

Call before you OVERHEAD 1-702-402-2929 NEVADA POWER ENVIRONMENT AND SAFETY SERVICES DEPARTMENT

Call before you Dig. 811 UNDERGROUND SERVICE ALERT (USA)

AS-BUILT - 05.31.2012

XREF :
FILE :

REV. NO.	DATE	DESCRIPTION	APPROVED

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
LANDSCAPE PLANTING PLAN

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

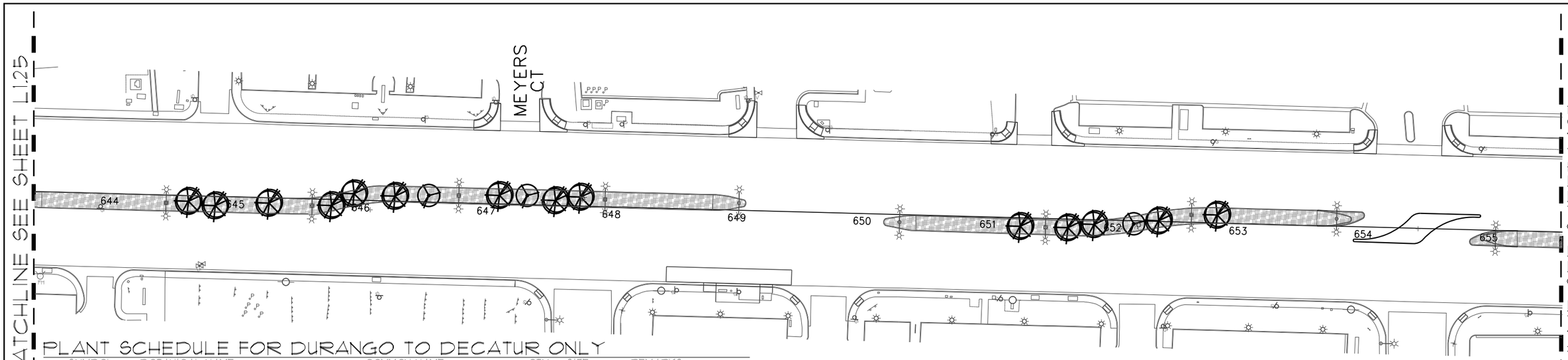
PROJECT No: CB 1083 DRAWN BY: SEC
DESIGNED BY: SEC CHECKED BY: WTS
APPROVED BY WTS

JW ZUNINO LANDSCAPE ARCHITECTURE
LAS VEGAS NV 3191 SUMMERLIN BLVD. | LAS VEGAS, NV 89146 P 702.795.5300 | F 702.795.1010
CARLSBAD CA 2246 FARADAY AVE. | CARLSBAD, CA 92008

SCALE
HORIZ : 1"=40'-0"
VERT : NA

FIELD BOOK :
NONE

SHEET No.
L1.25



PLANT SCHEDULE FOR DURANGO TO DECATUR ONLY

SYMBOL	BOTANICAL NAME	COMMON NAME	QTY.	SIZE	REMARKS
	TREES				
	PARKINSONIA (CERCIDIUM) X 'DESERT MUSEUM'	DESERT MUSEUM PALO VERDE	88	36" BOX	
	VITEX AGNUS - CASTUS	CHASTE TREE	164	36" BOX	

SYMBOL

¼" MINUS 'APACHE BROWN' DECOMPOSED GRANITE

2"-4" 'APACHE GOLD' DECOMPOSED GRANITE

GENERAL NOTES:

1. CONTRACTOR IS RESPONSIBLE TO VERIFY ALL PLANT QUANTITIES. THE PLANT SCHEDULE IS INTENDED AS A REFERENCE ONLY.
2. LANDSCAPE ARCHITECT IS TO APPROVE ALL PLANT MATERIAL PRIOR TO INSTALLATION WITH PRIOR NOTICE OF 48 HOURS.
3. PLANT MATERIAL IS TO HAVE IDENTIFICATION TAGS ON 10% OF THE TOTAL QUANTITY OF EACH SPECIES, SHOWING GENUS, SPECIES, VARIETY, ETC.
4. CONTRACTOR TO PROVIDE MATCHING SIZES AND FORMS OF LIKE SHRUB SPECIES AS SHOWN ON DRAWINGS.
5. CONTRACTOR TO PROVIDE POSITIVE DRAINAGE AWAY FROM ALL STRUCTURES, WALLS, AND ON ALL SIDEWALKS ACCORDING TO ALL CODES, REGULATIONS, AND REQUIREMENTS.
6. DECOMPOSED GRANITE, 1/4" MINUS, COLOR: "APACHE BROWN", 2" DEPTH TYPICAL AND 2"-4" 'APACHE GOLD', 4" DEPTH TYPICAL. DECOMPOSED GRANITE SHALL CONTAIN 60% AGGREGATE AND 40% FINES. CONTRACTOR TO RECEIVE VERIFICATION FROM ROCK SUPPLIER AND PRESENT VERIFICATION TO THE OWNER PRIOR TO ANY CONSTRUCTION.

   WHOLESALE DEALER:
   KALAMAZOO MATERIALS, INC.
   3909 VEGAS DRIVE
   LAS VEGAS, NV 89108
   TELEPHONE: (702) 296-9131
   CONTACT: TRACEY LOCKWOOD

   OR

   VISTA LANDSCAPE COMPANY
   20 N. GIBSON ROAD
   HENDERSON, NV 89014
   (702) 565-6611

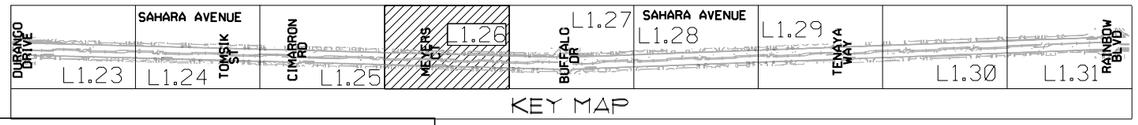
7. CONTRACTOR TO INSTALL ROOT GUARD AT THE PERIMETER/EDGE OF PAVEMENT OF ALL PLANTING AREAS. CONTRACTOR TO INSTALL ROOT GUARD PER MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.

   MODEL: UB 24-2
   MANUFACTURER: DEEP ROOT PARTNERS, L.P.
   345 LORTON AVENUE
   BURLINGAME, CA 94010
   TELEPHONE: (800) 458-7668

   OR

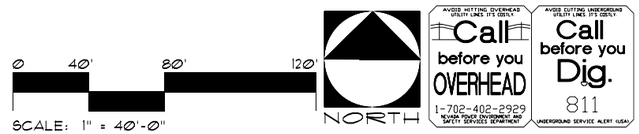
   MODEL: EP2450
   MANUFACTURER: NDS
   21820 BURBANK BLVD., SUITE 200
   WOODLAND HILLS, CA 91367
   TELEPHONE: (800) 726-1994

8. CONTRACTOR TO COORDINATE AESTHETIC GRADING WITH ENGINEERING GRADING TO PROVIDE SITE DRAINAGE AS DESIGNED BY THE ENGINEER.
9. 4' X 8' PLANTER BOXES LOCATED ON SOUTHSIDE OF SAHARA FROM STA 858+00 TO STA 883+00. (SEE CIVIL PLANS FOR DETAILS)
10. 5' X 10' TREE WELLS LOCATED FROM DECATUR BLVD. STA 136+00 TO RANCHO DRIVE STA 238+00 AND FROM PARADISE ROAD STA 805+00 TO MOJAVE ROAD STA 950+00 EXCEPT AS NOTED ABOVE IN NOTE 10. (SEE CIVIL PLANS FOR DETAILS)
11. STANDARD TREE WELLS TO BE CENTERED 2.5 FT FROM THE BACK OF EXISTING CURB THROUGHOUT SITE EXCEPT AS NOTED ON PLANS.
12. MEDIAN ISLANDS WILL USE 1/4" MINUS DECOMPOSED GRANITE WITHIN 4 FEET OF THE CURB BUT MAY USE 2-4" ROCK IN WIDE MEDIANS, PLACED AT LEAST 4 FEET BACK OF THE MEDIAN ISLAND CURB
13. THE MEDIAN ISLANDS SHOULD BE MOUNDED, WITH A 6H:1V MAXIMUM SLOPE FROM THE BACK OF CURB TO THE CENTER OF THE MEDIAN AND WITH ROUNDING OF THE TOP OF THE MOUNDED EMBANKMENT IN THE CENTER MEDIAN
14. SIDEWALK FINISH SHALL BE PLAIN (NOT STAMPED OR COLORED)
15. 4FT X 8FT PLANTER BOXES SHALL HAVE DECORATIVE FINISH. THE PLANTER BOXES SHALL HAVE A REDDISH COLOR, BY STAINING OR INTEGRAL PIGMENT. PLANTER BOXES SHALL BE PLACED SUCH THAT THE TOP OF THE BOX EXTENDS NO HIGHER THAN 24 INCHES ABOVE THE CURB. COLOR TO BE APPROVED BY OWNER PRIOR TO PERMANENT APPLICATION.
16. AT THE TIME OF PLANTING, SIDEWALK TREES SHALL HAVE A MINIMUM HEIGHT OF 8.0 FT MEASURED FROM THE TOP OF THE NEAREST CURB TO THE BOTTOM OF THE CANOPY
17. TREES TO BE REMOVED WILL BE DISPOSED OF BY CONTRACTOR AND WILL NOT BE SALVAGED



RECORD DRAWINGS
DATE: 09/12/12

These record drawings have been reviewed based upon information furnished by others. While this information is believed to be reliable, JW Zunino Landscape Architecture cannot assure their accuracy of these record drawings or any errors or omissions that may have been incorporated as a result. Those relying on these record drawings are advised to obtain independent verification of their accuracy before applying it for any purpose



REV. NO.	DATE	DESCRIPTION	APPROVED

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
LANDSCAPE PLANTING PLAN

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: SEC
DESIGNED BY: SEC CHECKED BY: WTS
APPROVED BY WTS

J W ZUNINO LANDSCAPE ARCHITECTURE
LAS VEGAS NV — 3111 S. JONES BLVD. | LAS VEGAS, NV 89146 | P 702.253.6388 | F 702.251.1019
CARLSBAD CA — 2240 FARADAY AVE. | CARLSBAD, CA 92008

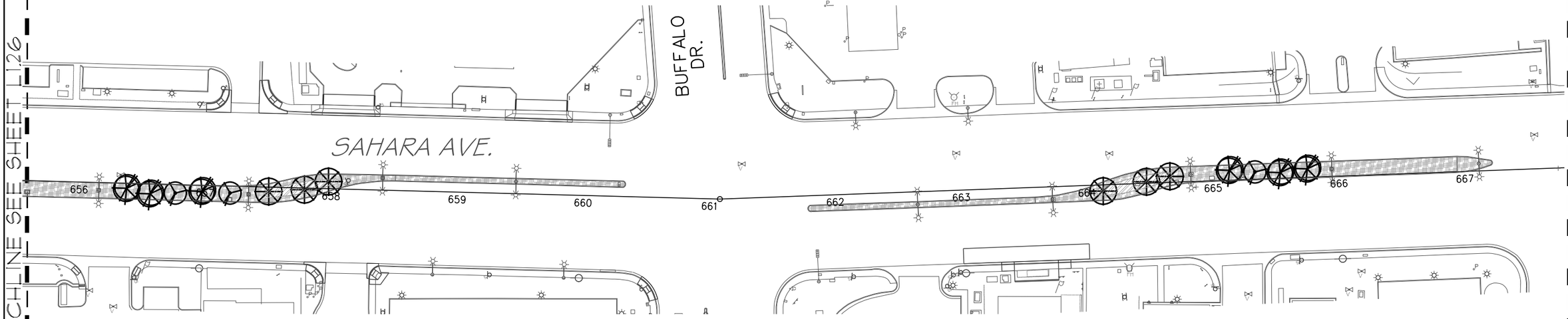
SCALE
HORIZ: 1"=40'-0"
VERT: NA
FIELD BOOK: NONE

SHEET No. L1.26
Sheet 226D of 592

XREF :
FILE :

AS-BUILT - 05.31.2012

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT



PLANT SCHEDULE FOR DURANGO TO DECATUR ONLY

SYMBOL	BOTANICAL NAME	COMMON NAME	QTY.	SIZE	REMARKS
TREES					
	PARKINSONIA (CERCIDIUM) X 'DESERT MUSEUM'	DESERT MUSEUM PALO VERDE	88	36" BOX	
	VITEX AGNUS - CASTUS	CHASTE TREE	164	36" BOX	

SYMBOL	
	¼" MINUS 'APACHE BROWN' DECOMPOSED GRANITE
	2"-4" 'APACHE GOLD' DECOMPOSED GRANITE

GENERAL NOTES:

1. CONTRACTOR IS RESPONSIBLE TO VERIFY ALL PLANT QUANTITIES. THE PLANT SCHEDULE IS INTENDED AS A REFERENCE ONLY.
2. LANDSCAPE ARCHITECT IS TO APPROVE ALL PLANT MATERIAL PRIOR TO INSTALLATION WITH PRIOR NOTICE OF 48 HOURS.
3. PLANT MATERIAL IS TO HAVE IDENTIFICATION TAGS ON 10% OF THE TOTAL QUANTITY OF EACH SPECIES, SHOWING GENUS, SPECIES, VARIETY, ETC.
4. CONTRACTOR TO PROVIDE MATCHING SIZES AND FORMS OF LIKE SHRUB SPECIES AS SHOWN ON DRAWINGS.
5. CONTRACTOR TO PROVIDE POSITIVE DRAINAGE AWAY FROM ALL STRUCTURES, WALLS, AND ON ALL SIDEWALKS ACCORDING TO ALL CODES, REGULATIONS, AND REQUIREMENTS.
6. DECOMPOSED GRANITE, 1/4" MINUS, COLOR: "APACHE BROWN", 2" DEPTH TYPICAL AND 2"-4" 'APACHE GOLD', 4" DEPTH TYPICAL. DECOMPOSED GRANITE SHALL CONTAIN 60% AGGREGATE AND 40% FINES. CONTRACTOR TO RECEIVE VERIFICATION FROM ROCK SUPPLIER AND PRESENT VERIFICATION TO THE OWNER PRIOR TO ANY CONSTRUCTION.

WHOLESALE DEALER:
KALAMAZOO MATERIALS, INC.
3909 VEGAS DRIVE
LAS VEGAS, NV 89108
TELEPHONE: (702) 296-9131
CONTACT: TRACEY LOCKWOOD

OR

VISTA LANDSCAPE COMPANY
20 N. GIBSON ROAD
HENDERSON, NV 89014
(702) 565-6611

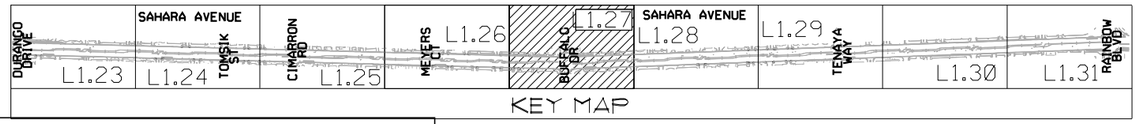
7. CONTRACTOR TO INSTALL ROOT GUARD AT THE PERIMETER/EDGE OF PAVEMENT OF ALL PLANTING AREAS. CONTRACTOR TO INSTALL ROOT GUARD PER MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.

MODEL: UB 24-2
MANUFACTURER: DEEP ROOT PARTNERS, L.P.
345 LORTON AVENUE
BURLINGAME, CA 94010
TELEPHONE: (800) 458-7668

OR

MODEL: EP2450
MANUFACTURER: NDS
21820 BURBANK BLVD., SUITE 200
WOODLAND HILLS, CA 91367
TELEPHONE: (800) 726-1994

8. CONTRACTOR TO COORDINATE AESTHETIC GRADING WITH ENGINEERING GRADING TO PROVIDE SITE DRAINAGE AS DESIGNED BY THE ENGINEER.
9. 4' X 8' PLANTER BOXES LOCATED ON SOUTHSIDE OF SAHARA FROM STA 858+00 TO STA 883+00. (SEE CIVIL PLANS FOR DETAILS)
10. 5' X 10' TREE WELLS LOCATED FROM DECATUR BLVD. STA 136+00 TO RANCHO DRIVE STA 238+00 AND FROM PARADISE ROAD STA 805+00 TO MOJAVE ROAD STA 950+00 EXCEPT AS NOTED ABOVE IN NOTE 10. (SEE CIVIL PLANS FOR DETAILS)
11. STANDARD TREE WELLS TO BE CENTERED 2.5 FT FROM THE BACK OF EXISTING CURB THROUGHOUT SITE EXCEPT AS NOTED ON PLANS.
12. MEDIAN ISLANDS WILL USE 1/4" MINUS DECOMPOSED GRANITE WITHIN 4 FEET OF THE CURB BUT MAY USE 2-4" ROCK IN WIDE MEDIANS, PLACED AT LEAST 4 FEET BACK OF THE MEDIAN ISLAND CURB
13. THE MEDIAN ISLANDS SHOULD BE MOUNDED, WITH A 6H:1V MAXIMUM SLOPE FROM THE BACK OF CURB TO THE CENTER OF THE MEDIAN AND WITH ROUNDING OF THE TOP OF THE MOUNDED EMBANKMENT IN THE CENTER MEDIAN
14. SIDEWALK FINISH SHALL BE PLAIN (NOT STAMPED OR COLORED)
15. 4FT X 8FT PLANTER BOXES SHALL HAVE DECORATIVE FINISH. THE PLANTER BOXES SHALL HAVE A REDDISH COLOR, BY STAINING OR INTEGRAL PIGMENT. PLANTER BOXES SHALL BE PLACED SUCH THAT THE TOP OF THE BOX EXTENDS NO HIGHER THAN 24 INCHES ABOVE THE CURB. COLOR TO BE APPROVED BY OWNER PRIOR TO PERMANENT APPLICATION.
16. AT THE TIME OF PLANTING, SIDEWALK TREES SHALL HAVE A MINIMUM HEIGHT OF 8.0 FT MEASURED FROM THE TOP OF THE NEAREST CURB TO THE BOTTOM OF THE CANOPY
17. TREES TO BE REMOVED WILL BE DISPOSED OF BY CONTRACTOR AND WILL NOT BE SALVAGED



RECORD DRAWINGS
DATE: 09/12/12

These record drawings have been reviewed based upon information furnished by others. While this information is believed to be reliable, JW Zunino Landscape Architecture cannot assure their accuracy of these record drawings or any errors or omissions that may have been incorporated as a result. Those relying on these record drawings are advised to obtain independent verification of their accuracy before applying it for any purpose

0 40' 80' 120'
SCALE: 1" = 40'-0"

NORTH

Call before you OVERHEAD 1-702-402-2929 NV ENERGY POWER LINE WORKING AND SAFETY SERVICES DEPARTMENT

Call before you Dig. 811 UNDERGROUND SERVICE ALERT (USA)

AS-BUILT - 05.31.2012

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

REV. NO.	DATE	DESCRIPTION	APPROVED

XREF :
FILE :

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
LANDSCAPE PLANTING PLAN

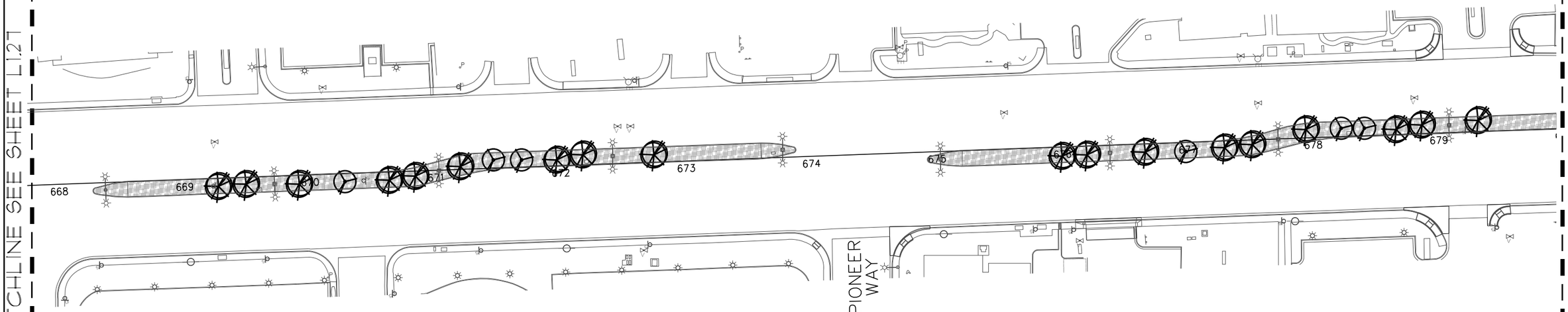
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: SEC
DESIGNED BY: SEC CHECKED BY: WTS
APPROVED BY WTS

JW ZUNINO LANDSCAPE ARCHITECTURE
LAS VEGAS, NV 3191 BLONDS BLVD. | LAS VEGAS, NV 89146 P 702.253.9300 | F 702.253.1010
CARLSBAD, CA 2240 FARADAY AVE. | CARLSBAD, CA 92008

SCALE
HORIZ : 1"=40'-0"
VERT : NA
FIELD BOOK :
NONE

SHEET No.
L1.27
Sheet 227E of 592



PLANT SCHEDULE FOR DURANGO TO DECATUR ONLY

SYMBOL	BOTANICAL NAME	COMMON NAME	QTY.	SIZE	REMARKS
	TREES				
	PARKINSONIA (CERCIDIUM) X 'DESERT MUSEUM'	DESERT MUSEUM PALO VERDE	88	36" BOX	
	VITEX AGNUS - CASTUS	CHASTE TREE	164	36" BOX	

SYMBOL

¼" MINUS 'APACHE BROWN' DECOMPOSED GRANITE

2"-4" 'APACHE GOLD' DECOMPOSED GRANITE

GENERAL NOTES:

1. CONTRACTOR IS RESPONSIBLE TO VERIFY ALL PLANT QUANTITIES. THE PLANT SCHEDULE IS INTENDED AS A REFERENCE ONLY.
2. LANDSCAPE ARCHITECT IS TO APPROVE ALL PLANT MATERIAL PRIOR TO INSTALLATION WITH PRIOR NOTICE OF 48 HOURS.
3. PLANT MATERIAL IS TO HAVE IDENTIFICATION TAGS ON 10% OF THE TOTAL QUANTITY OF EACH SPECIES, SHOWING GENUS, SPECIES, VARIETY, ETC.
4. CONTRACTOR TO PROVIDE MATCHING SIZES AND FORMS OF LIKE SHRUB SPECIES AS SHOWN ON DRAWINGS.
5. CONTRACTOR TO PROVIDE POSITIVE DRAINAGE AWAY FROM ALL STRUCTURES, WALLS, AND ON ALL SIDEWALKS ACCORDING TO ALL CODES, REGULATIONS, AND REQUIREMENTS.
6. DECOMPOSED GRANITE, 1/4" MINUS, COLOR: "APACHE BROWN", 2" DEPTH TYPICAL AND 2"-4" 'APACHE GOLD', 4" DEPTH TYPICAL. DECOMPOSED GRANITE SHALL CONTAIN 60% AGGREGATE AND 40% FINES. CONTRACTOR TO RECEIVE VERIFICATION FROM ROCK SUPPLIER AND PRESENT VERIFICATION TO THE OWNER PRIOR TO ANY CONSTRUCTION.

WHOLESALE DEALER:
KALAMAZOO MATERIALS, INC.
3909 VEGAS DRIVE
LAS VEGAS, NV 89108
TELEPHONE: (702) 296-9131
CONTACT: TRACEY LOCKWOOD

OR

VISTA LANDSCAPE COMPANY
20 N. GIBSON ROAD
HENDERSON, NV 89014
(702) 565-6611

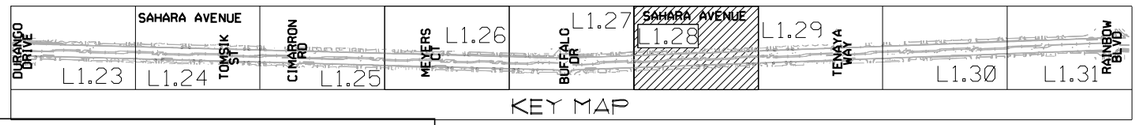
7. CONTRACTOR TO INSTALL ROOT GUARD AT THE PERIMETER/EDGE OF PAVEMENT OF ALL PLANTING AREAS. CONTRACTOR TO INSTALL ROOT GUARD PER MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.

MODEL: UB 24-2
MANUFACTURER: DEEP ROOT PARTNERS, L.P.
345 LORTON AVENUE
BURLINGAME, CA 94010
TELEPHONE: (800) 458-7668

OR

MODEL: EP2450
MANUFACTURER: NDS
21820 BURBANK BLVD., SUITE 200
WOODLAND HILLS, CA 91367
TELEPHONE: (800) 726-1994

8. CONTRACTOR TO COORDINATE AESTHETIC GRADING WITH ENGINEERING GRADING TO PROVIDE SITE DRAINAGE AS DESIGNED BY THE ENGINEER.
9. 4' X 8' PLANTER BOXES LOCATED ON SOUTHSIDE OF SAHARA FROM STA 858+00 TO STA 883+00. (SEE CIVIL PLANS FOR DETAILS)
10. 5' X 10' TREE WELLS LOCATED FROM DECATUR BLVD. STA 136+00 TO RANCHO DRIVE STA 238+00 AND FROM PARADISE ROAD STA 805+00 TO MOJAVE ROAD STA 950+00 EXCEPT AS NOTED ABOVE IN NOTE 10. (SEE CIVIL PLANS FOR DETAILS)
11. STANDARD TREE WELLS TO BE CENTERED 2.5 FT FROM THE BACK OF EXISTING CURB THROUGHOUT SITE EXCEPT AS NOTED ON PLANS.
12. MEDIAN ISLANDS WILL USE 1/4" MINUS DECOMPOSED GRANITE WITHIN 4 FEET OF THE CURB BUT MAY USE 2-4" ROCK IN WIDE MEDIANS, PLACED AT LEAST 4 FEET BACK OF THE MEDIAN ISLAND CURB
13. THE MEDIAN ISLANDS SHOULD BE MOUNDED, WITH A 6H:1V MAXIMUM SLOPE FROM THE BACK OF CURB TO THE CENTER OF THE MEDIAN AND WITH ROUNDING OF THE TOP OF THE MOUNDED EMBANKMENT IN THE CENTER MEDIAN
14. SIDEWALK FINISH SHALL BE PLAIN (NOT STAMPED OR COLORED)
15. 4FT X 8FT PLANTER BOXES SHALL HAVE DECORATIVE FINISH. THE PLANTER BOXES SHALL HAVE A REDDISH COLOR, BY STAINING OR INTEGRAL PIGMENT. PLANTER BOXES SHALL BE PLACED SUCH THAT THE TOP OF THE BOX EXTENDS NO HIGHER THAN 24 INCHES ABOVE THE CURB. COLOR TO BE APPROVED BY OWNER PRIOR TO PERMANENT APPLICATION.
16. AT THE TIME OF PLANTING, SIDEWALK TREES SHALL HAVE A MINIMUM HEIGHT OF 8.0 FT MEASURED FROM THE TOP OF THE NEAREST CURB TO THE BOTTOM OF THE CANOPY
17. TREES TO BE REMOVED WILL BE DISPOSED OF BY CONTRACTOR AND WILL NOT BE SALVAGED



RECORD DRAWINGS
DATE: 09/12/12

These record drawings have been reviewed based upon information furnished by others. While this information is believed to be reliable, JW Zunino Landscape Architecture cannot assure their accuracy of these record drawings or any errors or omissions that may have been incorporated as a result. Those relying on these record drawings are advised to obtain independent verification of their accuracy before applying it for any purpose

0 40' 80' 120'
SCALE: 1" = 40'-0"

NORTH

Call before you OVERHEAD 1-702-402-2929 NEVADA POWER ENVIRONMENT AND SAFETY SERVICES DEPARTMENT

Call before you Dig. 811 UNDERGROUND SERVICE ALERT (USA)

REV. NO.	DATE	DESCRIPTION	APPROVED

XREF :
FILE :

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
LANDSCAPE PLANTING PLAN

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No:	CB 1083	DRAWN BY:	SEC
DESIGNED BY:	SEC	CHECKED BY:	WTS
APPROVED BY	WTS		

LAS VEGAS NV
3111 S. JONES BLVD. | LAS VEGAS, NV 89146
P 702.253.3300 | F 702.253.1010
CARLSBAD CA
2248 FARADAY AVE. | CARLSBAD, CA 92008
JW ZUNINO LANDSCAPE ARCHITECTURE

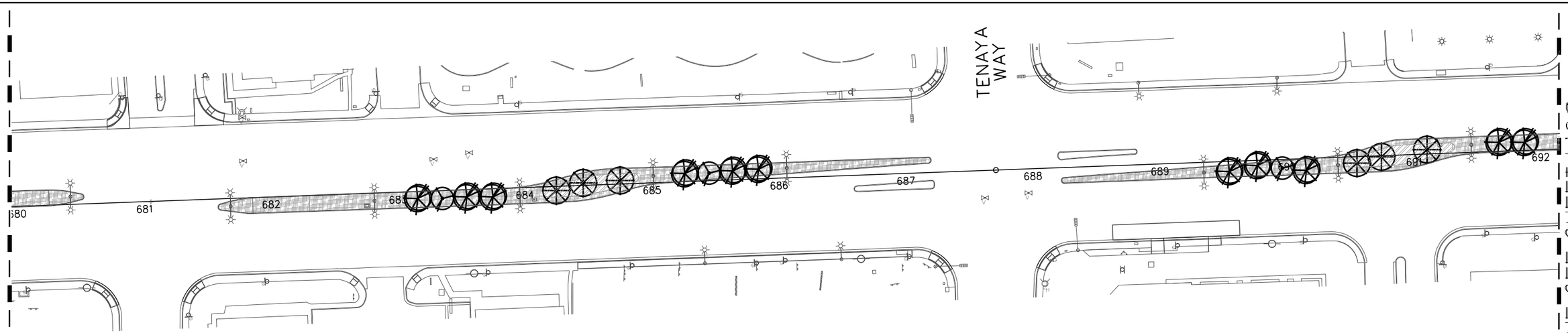
SCALE
HORIZ : 1"=40'-0"
VERT : NA
FIELD BOOK :
NONE

SHEET No.
L1.28
Sheet 227F of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS-BUILT - 05.31.2012

MATCHLINE SEE SHEET L1.28



MATCHLINE SEE SHEET L1.30

PLANT SCHEDULE FOR DURANGO TO DECATUR ONLY

SYMBOL	BOTANICAL NAME	COMMON NAME	QTY.	SIZE	REMARKS
	TREES				
	PARKINSONIA (CERCIDIUM) X 'DESERT MUSEUM'	DESERT MUSEUM PALO VERDE	88	36" BOX	
	VITEX AGNUS - CASTUS	CHASTE TREE	164	36" BOX	

SYMBOL

¼" MINUS 'APACHE BROWN' DECOMPOSED GRANITE

2"-4" 'APACHE GOLD' DECOMPOSED GRANITE

GENERAL NOTES:

1. CONTRACTOR IS RESPONSIBLE TO VERIFY ALL PLANT QUANTITIES. THE PLANT SCHEDULE IS INTENDED AS A REFERENCE ONLY.
2. LANDSCAPE ARCHITECT IS TO APPROVE ALL PLANT MATERIAL PRIOR TO INSTALLATION WITH PRIOR NOTICE OF 48 HOURS.
3. PLANT MATERIAL IS TO HAVE IDENTIFICATION TAGS ON 10% OF THE TOTAL QUANTITY OF EACH SPECIES, SHOWING GENUS, SPECIES, VARIETY, ETC.
4. CONTRACTOR TO PROVIDE MATCHING SIZES AND FORMS OF LIKE SHRUB SPECIES AS SHOWN ON DRAWINGS.
5. CONTRACTOR TO PROVIDE POSITIVE DRAINAGE AWAY FROM ALL STRUCTURES, WALLS, AND ON ALL SIDEWALKS ACCORDING TO ALL CODES, REGULATIONS, AND REQUIREMENTS.
6. DECOMPOSED GRANITE, 1/4" MINUS, COLOR: "APACHE BROWN", 2" DEPTH TYPICAL AND 2"-4" 'APACHE GOLD', 4" DEPTH TYPICAL. DECOMPOSED GRANITE SHALL CONTAIN 60% AGGREGATE AND 40% FINES. CONTRACTOR TO RECEIVE VERIFICATION FROM ROCK SUPPLIER AND PRESENT VERIFICATION TO THE OWNER PRIOR TO ANY CONSTRUCTION.

   WHOLESALE DEALER:
   KALAMAZOO MATERIALS, INC.
   3909 VEGAS DRIVE
   LAS VEGAS, NV 89108
   TELEPHONE: (702) 296-9131
   CONTACT: TRACEY LOCKWOOD

   OR

   VISTA LANDSCAPE COMPANY
   20 N. GIBSON ROAD
   HENDERSON, NV 89014
   (702) 565-6611

7. CONTRACTOR TO INSTALL ROOT GUARD AT THE PERIMETER/EDGE OF PAVEMENT OF ALL PLANTING AREAS. CONTRACTOR TO INSTALL ROOT GUARD PER MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.

   MODEL: UB 24-2
   MANUFACTURER: DEEP ROOT PARTNERS, L.P.
   345 LORTON AVENUE
   BURLINGAME, CA 94010
   TELEPHONE: (800) 458-7668

   OR

   MODEL: EP2450
   MANUFACTURER: NDS
   21820 BURBANK BLVD., SUITE 200
   WOODLAND HILLS, CA 91367
   TELEPHONE: (800) 726-1994

8. CONTRACTOR TO COORDINATE AESTHETIC GRADING WITH ENGINEERING GRADING TO PROVIDE SITE DRAINAGE AS DESIGNED BY THE ENGINEER.
9. 4' X 8' PLANTER BOXES LOCATED ON SOUTHSIDE OF SAHARA FROM STA 858+00 TO STA 883+00. (SEE CIVIL PLANS FOR DETAILS)
10. 5' X 10' TREE WELLS LOCATED FROM DECATUR BLVD. STA 136+00 TO RANCHO DRIVE STA 238+00 AND FROM PARADISE ROAD STA 805+00 TO MOJAVE ROAD STA 950+00 EXCEPT AS NOTED ABOVE IN NOTE 10. (SEE CIVIL PLANS FOR DETAILS)
11. STANDARD TREE WELLS TO BE CENTERED 2.5 FT FROM THE BACK OF EXISTING CURB THROUGHOUT SITE EXCEPT AS NOTED ON PLANS.
12. MEDIAN ISLANDS WILL USE 1/4" MINUS DECOMPOSED GRANITE WITHIN 4 FEET OF THE CURB BUT MAY USE 2-4" ROCK IN WIDE MEDIANS, PLACED AT LEAST 4 FEET BACK OF THE MEDIAN ISLAND CURB
13. THE MEDIAN ISLANDS SHOULD BE MOUNDED, WITH A 6H:1V MAXIMUM SLOPE FROM THE BACK OF CURB TO THE CENTER OF THE MEDIAN AND WITH ROUNDING OF THE TOP OF THE MOUNDED EMBANKMENT IN THE CENTER MEDIAN
14. SIDEWALK FINISH SHALL BE PLAIN (NOT STAMPED OR COLORED)
15. 4FT X 8FT PLANTER BOXES SHALL HAVE DECORATIVE FINISH. THE PLANTER BOXES SHALL HAVE A REDDISH COLOR, BY STAINING OR INTEGRAL PIGMENT. PLANTER BOXES SHALL BE PLACED SUCH THAT THE TOP OF THE BOX EXTENDS NO HIGHER THAN 24 INCHES ABOVE THE CURB. COLOR TO BE APPROVED BY OWNER PRIOR TO PERMANENT APPLICATION.
16. AT THE TIME OF PLANTING, SIDEWALK TREES SHALL HAVE A MINIMUM HEIGHT OF 8.0 FT MEASURED FROM THE TOP OF THE NEAREST CURB TO THE BOTTOM OF THE CANOPY
17. TREES TO BE REMOVED WILL BE DISPOSED OF BY CONTRACTOR AND WILL NOT BE SALVAGED

RECORD DRAWINGS
DATE: 09/12/12

These record drawings have been reviewed based upon information furnished by others. While this information is believed to be reliable, JW Zunino Landscape Architecture cannot assure their accuracy of these record drawings or any errors or omissions that may have been incorporated as a result. Those relying on these record drawings are advised to obtain independent verification of their accuracy before applying it for any purpose

0 40' 80' 120'
SCALE: 1" = 40'-0"

NORTH

Call before you OVERHEAD 1-702-402-2929 NEVADA POWER ENVIRONMENT AND SAFETY SERVICES DEPARTMENT

Call before you Dig. 811 UNDERGROUND SERVICE ALERT (USA)

AS-BUILT - 05.31.2012

REV. NO.	DATE	DESCRIPTION	APPROVED

XREF :
FILE :

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
LANDSCAPE PLANTING PLAN

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

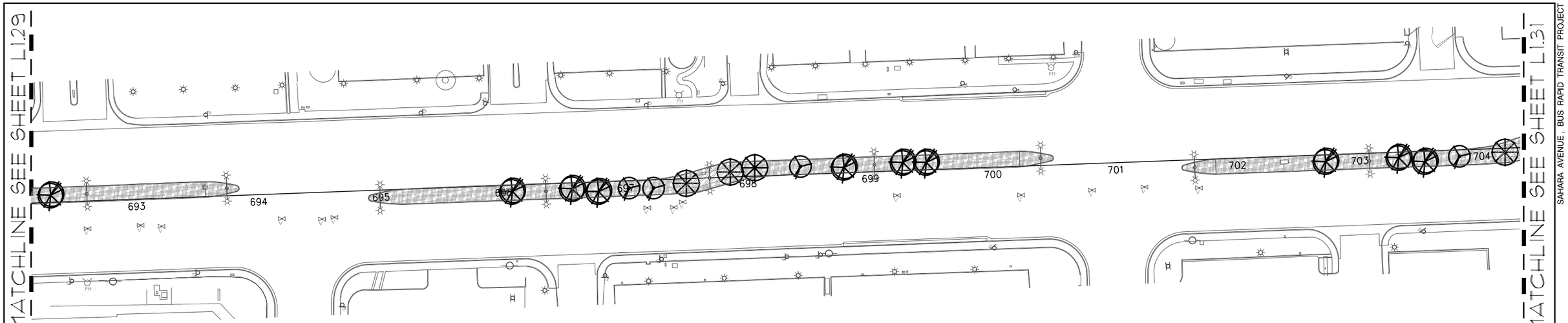
PROJECT No: CB 1083 DRAWN BY: SEC
DESIGNED BY: SEC CHECKED BY: WTS
APPROVED BY WTS

JW ZUNINO LANDSCAPE ARCHITECTURE
LAS VEGAS NV 3191 SUDMES BLVD. | LAS VEGAS, NV 89146 P 702.795.5300 | F 702.795.1015
CARLSBAD CA 2246 FARADAY AVE. | CARLSBAD, CA 92008

SCALE
HORIZ : 1"=40'-0"
VERT : NA

FIELD BOOK :
NONE

SHEET No.
L1.29



PLANT SCHEDULE FOR DURANGO TO DECATUR ONLY

SYMBOL	BOTANICAL NAME	COMMON NAME	QTY.	SIZE	REMARKS
	TREES				
	PARKINSONIA (CERCIDIUM) X 'DESERT MUSEUM'	DESERT MUSEUM PALO VERDE	88	36" BOX	
	VITEX AGNUS - CASTUS	CHASTE TREE	164	36" BOX	

SYMBOL

¼" MINUS 'APACHE BROWN' DECOMPOSED GRANITE

2"-4" 'APACHE GOLD' DECOMPOSED GRANITE

GENERAL NOTES:

1. CONTRACTOR IS RESPONSIBLE TO VERIFY ALL PLANT QUANTITIES. THE PLANT SCHEDULE IS INTENDED AS A REFERENCE ONLY.
2. LANDSCAPE ARCHITECT IS TO APPROVE ALL PLANT MATERIAL PRIOR TO INSTALLATION WITH PRIOR NOTICE OF 48 HOURS.
3. PLANT MATERIAL IS TO HAVE IDENTIFICATION TAGS ON 10% OF THE TOTAL QUANTITY OF EACH SPECIES, SHOWING GENUS, SPECIES, VARIETY, ETC.
4. CONTRACTOR TO PROVIDE MATCHING SIZES AND FORMS OF LIKE SHRUB SPECIES AS SHOWN ON DRAWINGS.
5. CONTRACTOR TO PROVIDE POSITIVE DRAINAGE AWAY FROM ALL STRUCTURES, WALLS, AND ON ALL SIDEWALKS ACCORDING TO ALL CODES, REGULATIONS, AND REQUIREMENTS.
6. DECOMPOSED GRANITE, 1/4" MINUS, COLOR: "APACHE BROWN", 2" DEPTH TYPICAL AND 2"-4" 'APACHE GOLD', 4" DEPTH TYPICAL. DECOMPOSED GRANITE SHALL CONTAIN 60% AGGREGATE AND 40% FINES. CONTRACTOR TO RECEIVE VERIFICATION FROM ROCK SUPPLIER AND PRESENT VERIFICATION TO THE OWNER PRIOR TO ANY CONSTRUCTION.

WHOLESALE DEALER:
KALAMAZOO MATERIALS, INC.
3909 VEGAS DRIVE
LAS VEGAS, NV 89108
TELEPHONE: (702) 296-9131
CONTACT: TRACEY LOCKWOOD

OR

VISTA LANDSCAPE COMPANY
20 N. GIBSON ROAD
HENDERSON, NV 89014
(702) 565-6611

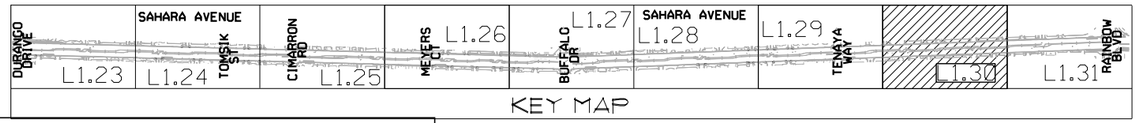
7. CONTRACTOR TO INSTALL ROOT GUARD AT THE PERIMETER/EDGE OF PAVEMENT OF ALL PLANTING AREAS. CONTRACTOR TO INSTALL ROOT GUARD PER MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.

MODEL: UB 24-2
MANUFACTURER: DEEP ROOT PARTNERS, L.P.
345 LORTON AVENUE
BURLINGAME, CA 94010
TELEPHONE: (800) 458-7668

OR

MODEL: EP2450
MANUFACTURER: NDS
21820 BURBANK BLVD., SUITE 200
WOODLAND HILLS, CA 91367
TELEPHONE: (800) 726-1994

8. CONTRACTOR TO COORDINATE AESTHETIC GRADING WITH ENGINEERING GRADING TO PROVIDE SITE DRAINAGE AS DESIGNED BY THE ENGINEER.
9. 4' X 8' PLANTER BOXES LOCATED ON SOUTHSIDE OF SAHARA FROM STA 858+00 TO STA 883+00. (SEE CIVIL PLANS FOR DETAILS)
10. 5' X 10' TREE WELLS LOCATED FROM DECATUR BLVD. STA 136+00 TO RANCHO DRIVE STA 238+00 AND FROM PARADISE ROAD STA 805+00 TO MOJAVE ROAD STA 950+00 EXCEPT AS NOTED ABOVE IN NOTE 10. (SEE CIVIL PLANS FOR DETAILS)
11. STANDARD TREE WELLS TO BE CENTERED 2.5 FT FROM THE BACK OF EXISTING CURB THROUGHOUT SITE EXCEPT AS NOTED ON PLANS.
12. MEDIAN ISLANDS WILL USE 1/4" MINUS DECOMPOSED GRANITE WITHIN 4 FEET OF THE CURB BUT MAY USE 2-4" ROCK IN WIDE MEDIANS, PLACED AT LEAST 4 FEET BACK OF THE MEDIAN ISLAND CURB
13. THE MEDIAN ISLANDS SHOULD BE MOUNDED, WITH A 6H:1V MAXIMUM SLOPE FROM THE BACK OF CURB TO THE CENTER OF THE MEDIAN AND WITH ROUNDING OF THE TOP OF THE MOUNDED EMBANKMENT IN THE CENTER MEDIAN
14. SIDEWALK FINISH SHALL BE PLAIN (NOT STAMPED OR COLORED)
15. 4FT X 8FT PLANTER BOXES SHALL HAVE DECORATIVE FINISH. THE PLANTER BOXES SHALL HAVE A REDDISH COLOR, BY STAINING OR INTEGRAL PIGMENT. PLANTER BOXES SHALL BE PLACED SUCH THAT THE TOP OF THE BOX EXTENDS NO HIGHER THAN 24 INCHES ABOVE THE CURB. COLOR TO BE APPROVED BY OWNER PRIOR TO PERMANENT APPLICATION.
16. AT THE TIME OF PLANTING, SIDEWALK TREES SHALL HAVE A MINIMUM HEIGHT OF 8.0 FT MEASURED FROM THE TOP OF THE NEAREST CURB TO THE BOTTOM OF THE CANOPY
17. TREES TO BE REMOVED WILL BE DISPOSED OF BY CONTRACTOR AND WILL NOT BE SALVAGED



RECORD DRAWINGS
DATE: 09/12/12

These record drawings have been reviewed based upon information furnished by others. While this information is believed to be reliable, JW Zunino Landscape Architecture cannot assure their accuracy of these record drawings or any errors or omissions that may have been incorporated as a result. Those relying on these record drawings are advised to obtain independent verification of their accuracy before applying it for any purpose

0 40' 80' 120'
SCALE: 1" = 40'-0"

NORTH

Call before you OVERHEAD
1-702-402-2929
NEVADA POWER (NV ENERGY) 24/7 SAFETY SERVICES DEPARTMENT

Call before you Dig. 811
UNDERGROUND SERVICE ALERT (USA)

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

AS-BUILT - 05.31.2012

REV. NO.	DATE	DESCRIPTION	APPROVED

XREF :
FILE :

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
LANDSCAPE PLANTING PLAN

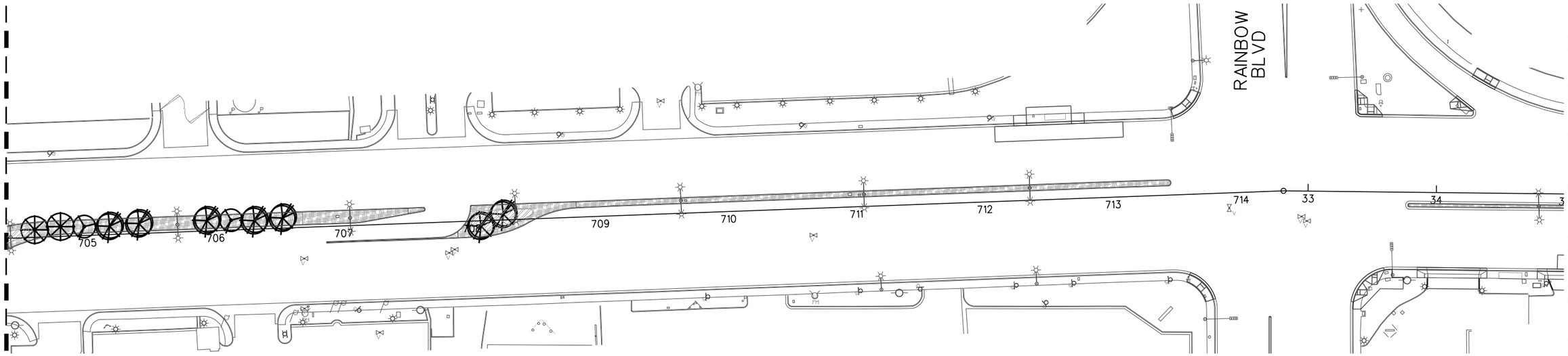
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: SEC
DESIGNED BY: SEC CHECKED BY: WTS
APPROVED BY WTS

JW ZUNINO LANDSCAPE ARCHITECTURE
LAS VEGAS, NV 3191 BLOMFIELD BLVD. | LAS VEGAS, NV 89146 | P 702.253.9300 | F 702.253.1010
CARLSBAD, CA 2240 FARADAY AVE. | CARLSBAD, CA 92008

SCALE
HORIZ : 1"=40'-0"
VERT : NA
FIELD BOOK :
NONE

SHEET No.
L1.30
Sheet 227H of 592



PLANT SCHEDULE FOR DURANGO TO DECATUR ONLY

SYMBOL	BOTANICAL NAME	COMMON NAME	QTY.	SIZE	REMARKS
	TREES				
	PARKINSONIA (CERCIDIUM) X 'DESERT MUSEUM'	DESERT MUSEUM PALO VERDE	88	36" BOX	
	VITEX AGNUS - CASTUS	CHASTE TREE	164	36" BOX	

SYMBOL

¼" MINUS 'APACHE BROWN' DECOMPOSED GRANITE

2"-4" 'APACHE GOLD' DECOMPOSED GRANITE

GENERAL NOTES:

1. CONTRACTOR IS RESPONSIBLE TO VERIFY ALL PLANT QUANTITIES. THE PLANT SCHEDULE IS INTENDED AS A REFERENCE ONLY.
2. LANDSCAPE ARCHITECT IS TO APPROVE ALL PLANT MATERIAL PRIOR TO INSTALLATION WITH PRIOR NOTICE OF 48 HOURS.
3. PLANT MATERIAL IS TO HAVE IDENTIFICATION TAGS ON 10% OF THE TOTAL QUANTITY OF EACH SPECIES, SHOWING GENUS, SPECIES, VARIETY, ETC.
4. CONTRACTOR TO PROVIDE MATCHING SIZES AND FORMS OF LIKE SHRUB SPECIES AS SHOWN ON DRAWINGS.
5. CONTRACTOR TO PROVIDE POSITIVE DRAINAGE AWAY FROM ALL STRUCTURES, WALLS, AND ON ALL SIDEWALKS ACCORDING TO ALL CODES, REGULATIONS, AND REQUIREMENTS.
6. DECOMPOSED GRANITE, 1/4" MINUS, COLOR: "APACHE BROWN", 2" DEPTH TYPICAL AND 2"-4" 'APACHE GOLD', 4" DEPTH TYPICAL. DECOMPOSED GRANITE SHALL CONTAIN 60% AGGREGATE AND 40% FINES. CONTRACTOR TO RECEIVE VERIFICATION FROM ROCK SUPPLIER AND PRESENT VERIFICATION TO THE OWNER PRIOR TO ANY CONSTRUCTION.

WHOLESALE DEALER:
KALAMAZOO MATERIALS, INC.
3909 VEGAS DRIVE
LAS VEGAS, NV 89108
TELEPHONE: (702) 296-9131
CONTACT: TRACEY LOCKWOOD

OR

VISTA LANDSCAPE COMPANY
20 N. GIBSON ROAD
HENDERSON, NV 89014
(702) 565-6611

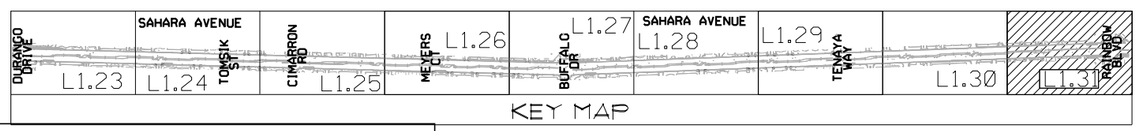
7. CONTRACTOR TO INSTALL ROOT GUARD AT THE PERIMETER/EDGE OF PAVEMENT OF ALL PLANTING AREAS. CONTRACTOR TO INSTALL ROOT GUARD PER MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.

MODEL: UB 24-2
MANUFACTURER: DEEP ROOT PARTNERS, L.P.
345 LORTON AVENUE
BURLINGAME, CA 94010
TELEPHONE: (800) 458-7668

OR

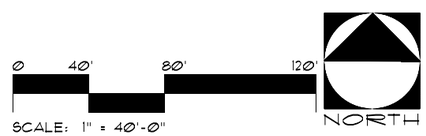
MODEL: EP2450
MANUFACTURER: NDS
21820 BURBANK BLVD., SUITE 200
WOODLAND HILLS, CA 91367
TELEPHONE: (800) 726-1994

8. CONTRACTOR TO COORDINATE AESTHETIC GRADING WITH ENGINEERING GRADING TO PROVIDE SITE DRAINAGE AS DESIGNED BY THE ENGINEER.
9. 4' X 8' PLANTER BOXES LOCATED ON SOUTHSIDE OF SAHARA FROM STA 858+00 TO STA 883+00. (SEE CIVIL PLANS FOR DETAILS)
10. 5' X 10' TREE WELLS LOCATED FROM DECATUR BLVD. STA 136+00 TO RANCHO DRIVE STA 238+00 AND FROM PARADISE ROAD STA 805+00 TO MOJAVE ROAD STA 950+00 EXCEPT AS NOTED ABOVE IN NOTE 10. (SEE CIVIL PLANS FOR DETAILS)
11. STANDARD TREE WELLS TO BE CENTERED 2.5 FT FROM THE BACK OF EXISTING CURB THROUGHOUT SITE EXCEPT AS NOTED ON PLANS.
12. MEDIAN ISLANDS WILL USE 1/4" MINUS DECOMPOSED GRANITE WITHIN 4 FEET OF THE CURB BUT MAY USE 2-4" ROCK IN WIDE MEDIANS, PLACED AT LEAST 4 FEET BACK OF THE MEDIAN ISLAND CURB
13. THE MEDIAN ISLANDS SHOULD BE MOUNDED, WITH A 6H:1V MAXIMUM SLOPE FROM THE BACK OF CURB TO THE CENTER OF THE MEDIAN AND WITH ROUNDING OF THE TOP OF THE MOUNDED EMBANKMENT IN THE CENTER MEDIAN
14. SIDEWALK FINISH SHALL BE PLAIN (NOT STAMPED OR COLORED)
15. 4FT X 8FT PLANTER BOXES SHALL HAVE DECORATIVE FINISH. THE PLANTER BOXES SHALL HAVE A REDDISH COLOR, BY STAINING OR INTEGRAL PIGMENT. PLANTER BOXES SHALL BE PLACED SUCH THAT THE TOP OF THE BOX EXTENDS NO HIGHER THAN 24 INCHES ABOVE THE CURB. COLOR TO BE APPROVED BY OWNER PRIOR TO PERMANENT APPLICATION.
16. AT THE TIME OF PLANTING, SIDEWALK TREES SHALL HAVE A MINIMUM HEIGHT OF 8.0 FT MEASURED FROM THE TOP OF THE NEAREST CURB TO THE BOTTOM OF THE CANOPY
17. TREES TO BE REMOVED WILL BE DISPOSED OF BY CONTRACTOR AND WILL NOT BE SALVAGED



RECORD DRAWINGS
DATE: 09/12/12

These record drawings have been reviewed based upon information furnished by others. While this information is believed to be reliable, JW Zunino Landscape Architecture cannot assure their accuracy of these record drawings or any errors or omissions that may have been incorporated as a result. Those relying on these record drawings are advised to obtain independent verification of their accuracy before applying it for any purpose



Call before you OVERHEAD 1-702-402-2929 NEVADA POWER ENVIRONMENT AND SAFETY SERVICES DEPARTMENT

Call before you Dig. 811 UNDERGROUND SERVICE ALERT (USA)

REV. NO.	DATE	DESCRIPTION	APPROVED

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
LANDSCAPE PLANTING PLAN

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: SEC
DESIGNED BY: SEC CHECKED BY: WTS
APPROVED BY WTS

JW ZUNINO LANDSCAPE ARCHITECTURE
LAS VEGAS, NV 3131 BLONDS BLVD. | LAS VEGAS, NV 89146 P 702.353.3300 | F 702.353.3301
CARLSBAD, CA 2240 FARADAY AVE. | CARLSBAD, CA 92008

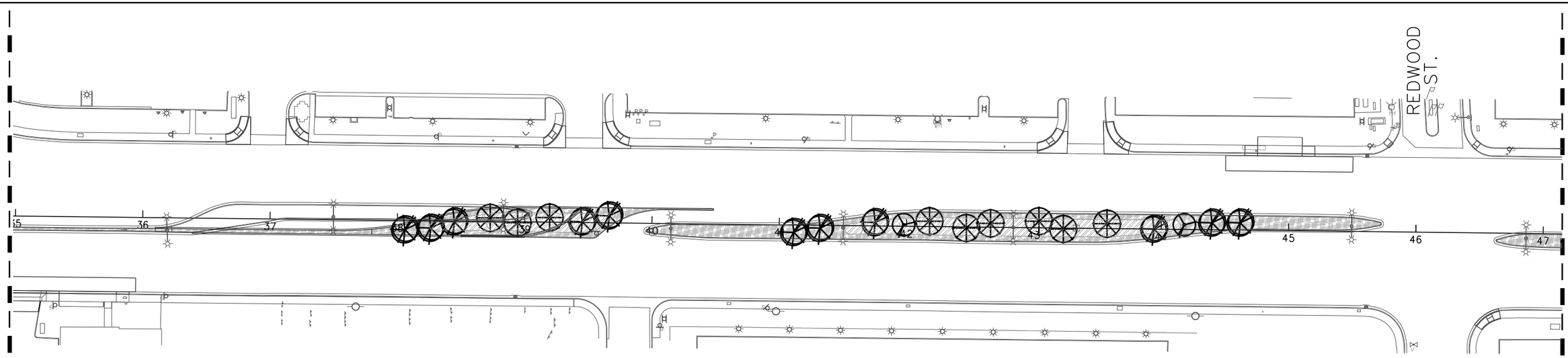
SCALE
HORIZ : 1"=40'-0"
VERT : NA
FIELD BOOK : NONE

SHEET No. L1.31

Sheet 2271 of 592

XREF :
FILE :

MATCHLINE SEE SHEET L1.31



MATCHLINE SEE SHEET L1.33

PLANT SCHEDULE FOR DURANGO TO DECATUR ONLY

SYMBOL	BOTANICAL NAME	COMMON NAME	QTY.	SIZE	REMARKS
	TREES				
	PARKINSONIA (CERCIDIUM) X 'DESERT MUSEUM'	DESERT MUSEUM PALO VERDE	88	36" BOX	
	VITEX AGNUS - CASTUS	CHASTE TREE	164	36" BOX	

SYMBOL

¼" MINUS 'APACHE BROWN' DECOMPOSED GRANITE

2"-4" 'APACHE GOLD' DECOMPOSED GRANITE

GENERAL NOTES:

1. CONTRACTOR IS RESPONSIBLE TO VERIFY ALL PLANT QUANTITIES. THE PLANT SCHEDULE IS INTENDED AS A REFERENCE ONLY.
2. LANDSCAPE ARCHITECT IS TO APPROVE ALL PLANT MATERIAL PRIOR TO INSTALLATION WITH PRIOR NOTICE OF 48 HOURS.
3. PLANT MATERIAL IS TO HAVE IDENTIFICATION TAGS ON 10% OF THE TOTAL QUANTITY OF EACH SPECIES, SHOWING GENUS, SPECIES, VARIETY, ETC.
4. CONTRACTOR TO PROVIDE MATCHING SIZES AND FORMS OF LIKE SHRUB SPECIES AS SHOWN ON DRAWINGS.
5. CONTRACTOR TO PROVIDE POSITIVE DRAINAGE AWAY FROM ALL STRUCTURES, WALLS, AND ON ALL SIDEWALKS ACCORDING TO ALL CODES, REGULATIONS, AND REQUIREMENTS.
6. DECOMPOSED GRANITE, 1/4" MINUS, COLOR: "APACHE BROWN", 2" DEPTH TYPICAL AND 2"-4" 'APACHE GOLD', 4" DEPTH TYPICAL. DECOMPOSED GRANITE SHALL CONTAIN 60% AGGREGATE AND 40% FINES. CONTRACTOR TO RECEIVE VERIFICATION FROM ROCK SUPPLIER AND PRESENT VERIFICATION TO THE OWNER PRIOR TO ANY CONSTRUCTION.

WHOLESALE DEALER:
KALAMAZOO MATERIALS, INC.
3909 VEGAS DRIVE
LAS VEGAS, NV 89108
TELEPHONE: (702) 296-9131
CONTACT: TRACEY LOCKWOOD

OR

VISTA LANDSCAPE COMPANY
20 N. GIBSON ROAD
HENDERSON, NV 89014
(702) 565-6611

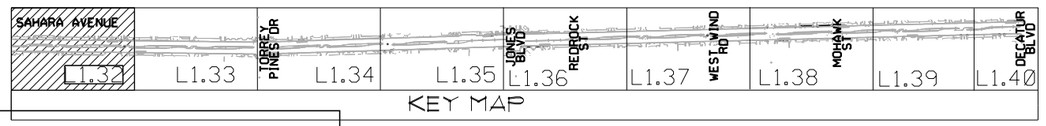
7. CONTRACTOR TO INSTALL ROOT GUARD AT THE PERIMETER/EDGE OF PAVEMENT OF ALL PLANTING AREAS. CONTRACTOR TO INSTALL ROOT GUARD PER MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.

MODEL: UB 24-2
MANUFACTURER: DEEP ROOT PARTNERS, L.P.
345 LORTON AVENUE
BURLINGAME, CA 94010
TELEPHONE: (800) 458-7668

OR

MODEL: EP2450
MANUFACTURER: NDS
21820 BURBANK BLVD., SUITE 200
WOODLAND HILLS, CA 91367
TELEPHONE: (800) 726-1994

8. CONTRACTOR TO COORDINATE AESTHETIC GRADING WITH ENGINEERING GRADING TO PROVIDE SITE DRAINAGE AS DESIGNED BY THE ENGINEER.
9. 4' X 8' PLANTER BOXES LOCATED ON SOUTHSIDE OF SAHARA FROM STA 858+00 TO STA 883+00. (SEE CIVIL PLANS FOR DETAILS)
10. 5' X 10' TREE WELLS LOCATED FROM DECATUR BLVD. STA 136+00 TO RANCHO DRIVE STA 238+00 AND FROM PARADISE ROAD STA 805+00 TO MOJAVE ROAD STA 950+00 EXCEPT AS NOTED ABOVE IN NOTE 10. (SEE CIVIL PLANS FOR DETAILS)
11. STANDARD TREE WELLS TO BE CENTERED 2.5 FT FROM THE BACK OF EXISTING CURB THROUGHOUT SITE EXCEPT AS NOTED ON PLANS.
12. MEDIAN ISLANDS WILL USE 1/4" MINUS DECOMPOSED GRANITE WITHIN 4 FEET OF THE CURB BUT MAY USE 2-4" ROCK IN WIDE MEDIANS, PLACED AT LEAST 4 FEET BACK OF THE MEDIAN ISLAND CURB
13. THE MEDIAN ISLANDS SHOULD BE MOUNDED, WITH A 6H:1V MAXIMUM SLOPE FROM THE BACK OF CURB TO THE CENTER OF THE MEDIAN AND WITH ROUNDING OF THE TOP OF THE MOUNDED EMBANKMENT IN THE CENTER MEDIAN
14. SIDEWALK FINISH SHALL BE PLAIN (NOT STAMPED OR COLORED)
15. 4FT X 8FT PLANTER BOXES SHALL HAVE DECORATIVE FINISH. THE PLANTER BOXES SHALL HAVE A REDDISH COLOR, BY STAINING OR INTEGRAL PIGMENT. PLANTER BOXES SHALL BE PLACED SUCH THAT THE TOP OF THE BOX EXTENDS NO HIGHER THAN 24 INCHES ABOVE THE CURB. COLOR TO BE APPROVED BY OWNER PRIOR TO PERMANENT APPLICATION.
16. AT THE TIME OF PLANTING, SIDEWALK TREES SHALL HAVE A MINIMUM HEIGHT OF 8.0 FT MEASURED FROM THE TOP OF THE NEAREST CURB TO THE BOTTOM OF THE CANOPY
17. TREES TO BE REMOVED WILL BE DISPOSED OF BY CONTRACTOR AND WILL NOT BE SALVAGED



RECORD DRAWINGS
DATE: 09/12/12

These record drawings have been reviewed based upon information furnished by others. While this information is believed to be reliable, JW Zunino Landscape Architecture cannot assure their accuracy of these record drawings or any errors or omissions that may have been incorporated as a result. Those relying on these record drawings are advised to obtain independent verification of their accuracy before applying it for any purpose

0 40' 80' 120'
SCALE: 1" = 40'-0"

NORTH

AVOID HITTING OVERHEAD UTILITY LINES. IT'S ILLEGAL!
Call before you OVERHEAD
1-702-402-2929
NEVADA POWER ENVIRONMENT AND SAFETY SERVICES DEPARTMENT

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S ILLEGAL!
Call before you Dig.
811
UNDERGROUND SERVICE ALERT (USA)

AS-BUILT - 05.31.2012

REV. NO.	DATE	DESCRIPTION	APPROVED

XREF :
FILE :

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
LANDSCAPE PLANTING PLAN

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

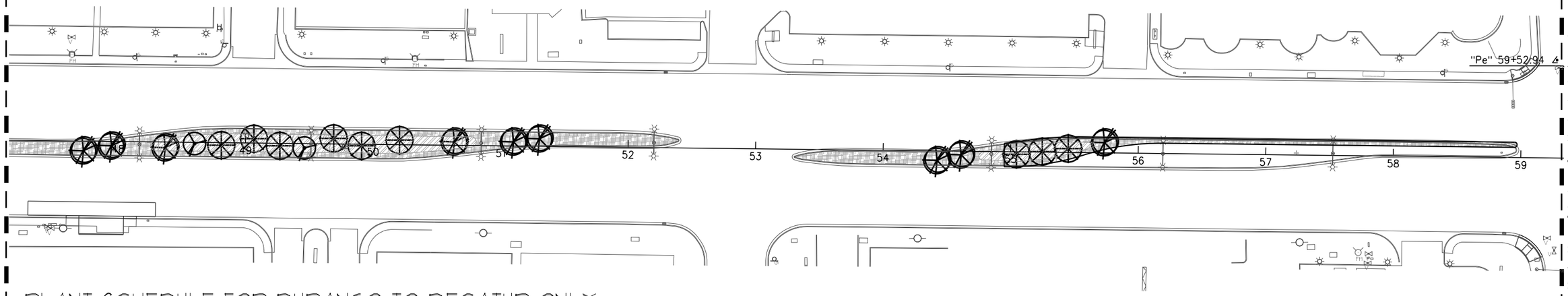
PROJECT No: CB 1083 DRAWN BY: SEC
DESIGNED BY: SEC CHECKED BY: WTS
APPROVED BY WTS

LAS VEGAS NV
3191 BLOMFIELD RD. | LAS VEGAS, NV 89146
P 702.253.3300 | F 702.253.1010
CARLSBAD CA
2248 FARADAY AVE. | CARLSBAD, CA 92008
JW ZUNINO LANDSCAPE ARCHITECTURE

SCALE
HORIZ : 1"=40'-0"
VERT : NA
FIELD BOOK :
NONE

SHEET No.
L1.32

MATCHLINE SEE SHEET L1.32



MATCHLINE SEE SHEET L1.34

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS-BUILT - 05.31.2012

PLANT SCHEDULE FOR DURANGO TO DECATUR ONLY

SYMBOL	BOTANICAL NAME	COMMON NAME	QTY.	SIZE	REMARKS
	TREES				
	PARKINSONIA (CERCIDIUM) X 'DESERT MUSEUM'	DESERT MUSEUM PALO VERDE	88	36" BOX	
	VITEX AGNUS - CASTUS	CHASTE TREE	164	36" BOX	

SYMBOL

¼" MINUS 'APACHE BROWN' DECOMPOSED GRANITE

2"-4" 'APACHE GOLD' DECOMPOSED GRANITE

GENERAL NOTES:

1. CONTRACTOR IS RESPONSIBLE TO VERIFY ALL PLANT QUANTITIES. THE PLANT SCHEDULE IS INTENDED AS A REFERENCE ONLY.
2. LANDSCAPE ARCHITECT IS TO APPROVE ALL PLANT MATERIAL PRIOR TO INSTALLATION WITH PRIOR NOTICE OF 48 HOURS.
3. PLANT MATERIAL IS TO HAVE IDENTIFICATION TAGS ON 10% OF THE TOTAL QUANTITY OF EACH SPECIES, SHOWING GENUS, SPECIES, VARIETY, ETC.
4. CONTRACTOR TO PROVIDE MATCHING SIZES AND FORMS OF LIKE SHRUB SPECIES AS SHOWN ON DRAWINGS.
5. CONTRACTOR TO PROVIDE POSITIVE DRAINAGE AWAY FROM ALL STRUCTURES, WALLS, AND ON ALL SIDEWALKS ACCORDING TO ALL CODES, REGULATIONS, AND REQUIREMENTS.
6. DECOMPOSED GRANITE, 1/4" MINUS, COLOR: "APACHE BROWN", 2" DEPTH TYPICAL AND 2"-4" 'APACHE GOLD', 4" DEPTH TYPICAL. DECOMPOSED GRANITE SHALL CONTAIN 60% AGGREGATE AND 40% FINES. CONTRACTOR TO RECEIVE VERIFICATION FROM ROCK SUPPLIER AND PRESENT VERIFICATION TO THE OWNER PRIOR TO ANY CONSTRUCTION.

WHOLESALE DEALER:
KALAMAZOO MATERIALS, INC.
3909 VEGAS DRIVE
LAS VEGAS, NV 89108
TELEPHONE: (702) 296-9131
CONTACT: TRACEY LOCKWOOD

OR

VISTA LANDSCAPE COMPANY
20 N. GIBSON ROAD
HENDERSON, NV 89014
(702) 565-6611

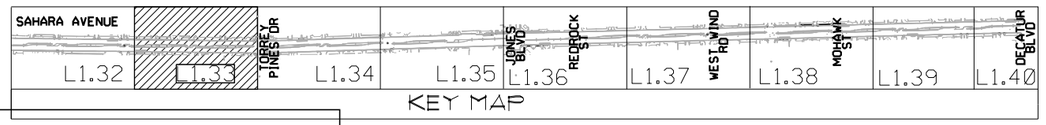
7. CONTRACTOR TO INSTALL ROOT GUARD AT THE PERIMETER/EDGE OF PAVEMENT OF ALL PLANTING AREAS. CONTRACTOR TO INSTALL ROOT GUARD PER MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.

MODEL: UB 24-2
MANUFACTURER: DEEP ROOT PARTNERS, L.P.
345 LORTON AVENUE
BURLINGAME, CA 94010
TELEPHONE: (800) 458-7668

OR

MODEL: EP2450
MANUFACTURER: NDS
21820 BURBANK BLVD., SUITE 200
WOODLAND HILLS, CA 91367
TELEPHONE: (800) 726-1994

8. CONTRACTOR TO COORDINATE AESTHETIC GRADING WITH ENGINEERING GRADING TO PROVIDE SITE DRAINAGE AS DESIGNED BY THE ENGINEER.
9. 4' X 8' PLANTER BOXES LOCATED ON SOUTHSIDE OF SAHARA FROM STA 858+00 TO STA 883+00. (SEE CIVIL PLANS FOR DETAILS)
10. 5' X 10' TREE WELLS LOCATED FROM DECATUR BLVD. STA 136+00 TO RANCHO DRIVE STA 238+00 AND FROM PARADISE ROAD STA 805+00 TO MOJAVE ROAD STA 950+00 EXCEPT AS NOTED ABOVE IN NOTE 10. (SEE CIVIL PLANS FOR DETAILS)
11. STANDARD TREE WELLS TO BE CENTERED 2.5 FT FROM THE BACK OF EXISTING CURB THROUGHOUT SITE EXCEPT AS NOTED ON PLANS.
12. MEDIAN ISLANDS WILL USE 1/4" MINUS DECOMPOSED GRANITE WITHIN 4 FEET OF THE CURB BUT MAY USE 2-4" ROCK IN WIDE MEDIANS, PLACED AT LEAST 4 FEET BACK OF THE MEDIAN ISLAND CURB
13. THE MEDIAN ISLANDS SHOULD BE MOUNDED, WITH A 6H:1V MAXIMUM SLOPE FROM THE BACK OF CURB TO THE CENTER OF THE MEDIAN AND WITH ROUNDING OF THE TOP OF THE MOUNDED EMBANKMENT IN THE CENTER MEDIAN
14. SIDEWALK FINISH SHALL BE PLAIN (NOT STAMPED OR COLORED)
15. 4FT X 8FT PLANTER BOXES SHALL HAVE DECORATIVE FINISH. THE PLANTER BOXES SHALL HAVE A REDDISH COLOR, BY STAINING OR INTEGRAL PIGMENT. PLANTER BOXES SHALL BE PLACED SUCH THAT THE TOP OF THE BOX EXTENDS NO HIGHER THAN 24 INCHES ABOVE THE CURB. COLOR TO BE APPROVED BY OWNER PRIOR TO PERMANENT APPLICATION.
16. AT THE TIME OF PLANTING, SIDEWALK TREES SHALL HAVE A MINIMUM HEIGHT OF 8.0 FT MEASURED FROM THE TOP OF THE NEAREST CURB TO THE BOTTOM OF THE CANOPY
17. TREES TO BE REMOVED WILL BE DISPOSED OF BY CONTRACTOR AND WILL NOT BE SALVAGED



RECORD DRAWINGS
DATE: 09/12/12

These record drawings have been reviewed based upon information furnished by others. While this information is believed to be reliable, JW Zunino Landscape Architecture cannot assure their accuracy of these record drawings or any errors or omissions that may have been incorporated as a result. Those relying on these record drawings are advised to obtain independent verification of their accuracy before applying it for any purpose

0 40' 80' 120'
SCALE: 1" = 40'-0"

NORTH

AVOID HITTING OVERHEAD UTILITY LINES. IT'S ILLEGAL!
Call before you OVERHEAD
1-702-402-2929
NEVADA POWER ENVIRONMENT AND SAFETY SERVICES DEPARTMENT

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S ILLEGAL!
Call before you Dig.
811
UNDERGROUND SERVICE ALERT (USA)

REV. NO.	DATE	DESCRIPTION	APPROVED

XREF :
FILE :

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
LANDSCAPE PLANTING PLAN

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: SEC
DESIGNED BY: SEC CHECKED BY: WTS
APPROVED BY WTS

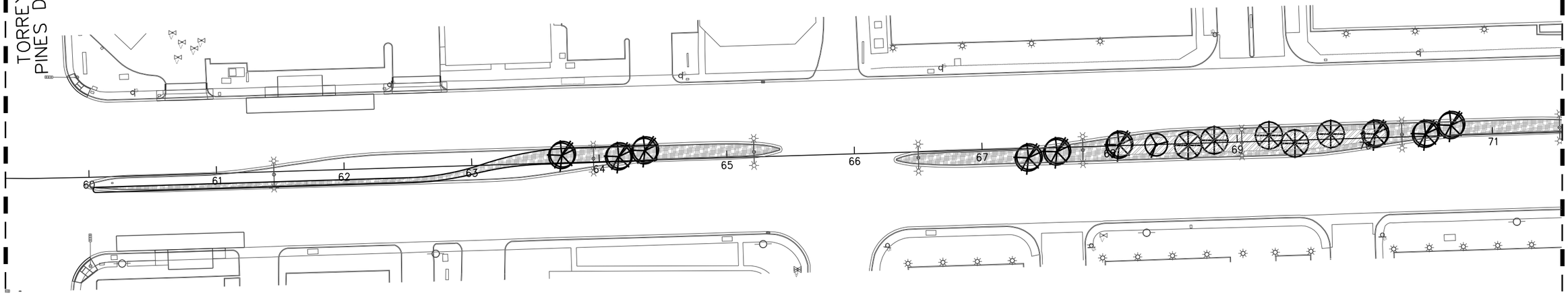
LAS VEGAS NV
3191 BLONDES BLVD | LAS VEGAS, NV 89146
P 702.253.3300 | F 702.253.1010
CARLSBAD CA
2248 FARADAY AVE. | CARLSBAD, CA 92008
JW ZUNINO LANDSCAPE ARCHITECTURE

SCALE
HORIZ : 1"=40'-0"
VERT : NA

FIELD BOOK :
NONE

SHEET No.
L1.33

Sheet 227K of 592



PLANT SCHEDULE FOR DURANGO TO DECATUR ONLY

SYMBOL	BOTANICAL NAME	COMMON NAME	QTY.	SIZE	REMARKS
	TREES				
	PARKINSONIA (CERCIDIUM) X 'DESERT MUSEUM'	DESERT MUSEUM PALO VERDE	88	36" BOX	
	VITEX AGNUS - CASTUS	CHASTE TREE	164	36" BOX	

SYMBOL

¼" MINUS 'APACHE BROWN' DECOMPOSED GRANITE

2"-4" 'APACHE GOLD' DECOMPOSED GRANITE

GENERAL NOTES:

1. CONTRACTOR IS RESPONSIBLE TO VERIFY ALL PLANT QUANTITIES. THE PLANT SCHEDULE IS INTENDED AS A REFERENCE ONLY.
2. LANDSCAPE ARCHITECT IS TO APPROVE ALL PLANT MATERIAL PRIOR TO INSTALLATION WITH PRIOR NOTICE OF 48 HOURS.
3. PLANT MATERIAL IS TO HAVE IDENTIFICATION TAGS ON 10% OF THE TOTAL QUANTITY OF EACH SPECIES, SHOWING GENUS, SPECIES, VARIETY, ETC.
4. CONTRACTOR TO PROVIDE MATCHING SIZES AND FORMS OF LIKE SHRUB SPECIES AS SHOWN ON DRAWINGS.
5. CONTRACTOR TO PROVIDE POSITIVE DRAINAGE AWAY FROM ALL STRUCTURES, WALLS, AND ON ALL SIDEWALKS ACCORDING TO ALL CODES, REGULATIONS, AND REQUIREMENTS.
6. DECOMPOSED GRANITE, 1/4" MINUS, COLOR: "APACHE BROWN", 2" DEPTH TYPICAL AND 2"-4" 'APACHE GOLD', 4" DEPTH TYPICAL. DECOMPOSED GRANITE SHALL CONTAIN 60% AGGREGATE AND 40% FINES. CONTRACTOR TO RECEIVE VERIFICATION FROM ROCK SUPPLIER AND PRESENT VERIFICATION TO THE OWNER PRIOR TO ANY CONSTRUCTION.

WHOLESALE DEALER:
KALAMAZOO MATERIALS, INC.
3909 VEGAS DRIVE
LAS VEGAS, NV 89108
TELEPHONE: (702) 296-9131
CONTACT: TRACEY LOCKWOOD

OR

VISTA LANDSCAPE COMPANY
20 N. GIBSON ROAD
HENDERSON, NV 89014
(702) 565-6611

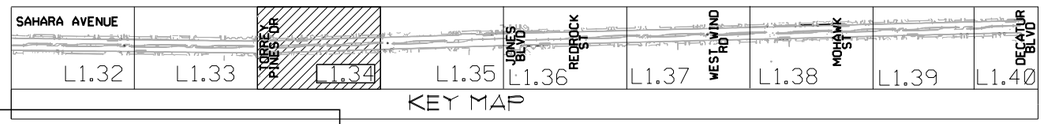
7. CONTRACTOR TO INSTALL ROOT GUARD AT THE PERIMETER/EDGE OF PAVEMENT OF ALL PLANTING AREAS. CONTRACTOR TO INSTALL ROOT GUARD PER MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.

MODEL: UB 24-2
MANUFACTURER: DEEP ROOT PARTNERS, L.P.
345 LORTON AVENUE
BURLINGAME, CA 94010
TELEPHONE: (800) 458-7668

OR

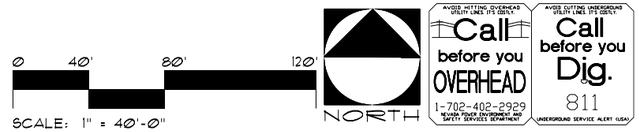
MODEL: EP2450
MANUFACTURER: NDS
21820 BURBANK BLVD., SUITE 200
WOODLAND HILLS, CA 91367
TELEPHONE: (800) 726-1994

8. CONTRACTOR TO COORDINATE AESTHETIC GRADING WITH ENGINEERING GRADING TO PROVIDE SITE DRAINAGE AS DESIGNED BY THE ENGINEER.
9. 4' X 8' PLANTER BOXES LOCATED ON SOUTHSIDE OF SAHARA FROM STA 858+00 TO STA 883+00. (SEE CIVIL PLANS FOR DETAILS)
10. 5' X 10' TREE WELLS LOCATED FROM DECATUR BLVD. STA 136+00 TO RANCHO DRIVE STA 238+00 AND FROM PARADISE ROAD STA 805+00 TO MOJAVE ROAD STA 950+00 EXCEPT AS NOTED ABOVE IN NOTE 10. (SEE CIVIL PLANS FOR DETAILS)
11. STANDARD TREE WELLS TO BE CENTERED 2.5 FT FROM THE BACK OF EXISTING CURB THROUGHOUT SITE EXCEPT AS NOTED ON PLANS.
12. MEDIAN ISLANDS WILL USE 1/4" MINUS DECOMPOSED GRANITE WITHIN 4 FEET OF THE CURB BUT MAY USE 2-4" ROCK IN WIDE MEDIANS, PLACED AT LEAST 4 FEET BACK OF THE MEDIAN ISLAND CURB
13. THE MEDIAN ISLANDS SHOULD BE MOUNDED, WITH A 6H:1V MAXIMUM SLOPE FROM THE BACK OF CURB TO THE CENTER OF THE MEDIAN AND WITH ROUNDING OF THE TOP OF THE MOUNDED EMBANKMENT IN THE CENTER MEDIAN
14. SIDEWALK FINISH SHALL BE PLAIN (NOT STAMPED OR COLORED)
15. 4FT X 8FT PLANTER BOXES SHALL HAVE DECORATIVE FINISH. THE PLANTER BOXES SHALL HAVE A REDDISH COLOR, BY STAINING OR INTEGRAL PIGMENT. PLANTER BOXES SHALL BE PLACED SUCH THAT THE TOP OF THE BOX EXTENDS NO HIGHER THAN 24 INCHES ABOVE THE CURB. COLOR TO BE APPROVED BY OWNER PRIOR TO PERMANENT APPLICATION.
16. AT THE TIME OF PLANTING, SIDEWALK TREES SHALL HAVE A MINIMUM HEIGHT OF 8.0 FT MEASURED FROM THE TOP OF THE NEAREST CURB TO THE BOTTOM OF THE CANOPY
17. TREES TO BE REMOVED WILL BE DISPOSED OF BY CONTRACTOR AND WILL NOT BE SALVAGED



RECORD DRAWINGS
DATE: 09/12/12

These record drawings have been reviewed based upon information furnished by others. While this information is believed to be reliable, JW Zunino Landscape Architecture cannot assure their accuracy of these record drawings or any errors or omissions that may have been incorporated as a result. Those relying on these record drawings are advised to obtain independent verification of their accuracy before applying it for any purpose



REV. NO.	DATE	DESCRIPTION	APPROVED

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
LANDSCAPE PLANTING PLAN

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No:	CB 1083	DRAWN BY:	SEC
DESIGNED BY:	SEC	CHECKED BY:	WTS
APPROVED BY	WTS		

LAS VEGAS NV
3191 SUNRISE BLVD, STE 110 | LAS VEGAS, NV 89145
P 702.793.3300 | F 702.793.1010
CARLSBAD CA
2246 FARADAY AVE, STE 200 | CARLSBAD, CA 92008
JW ZUNINO LANDSCAPE ARCHITECTURE

SCALE	
HORIZ :	1"=40'-0"
VERT :	NA
FIELD BOOK :	NONE

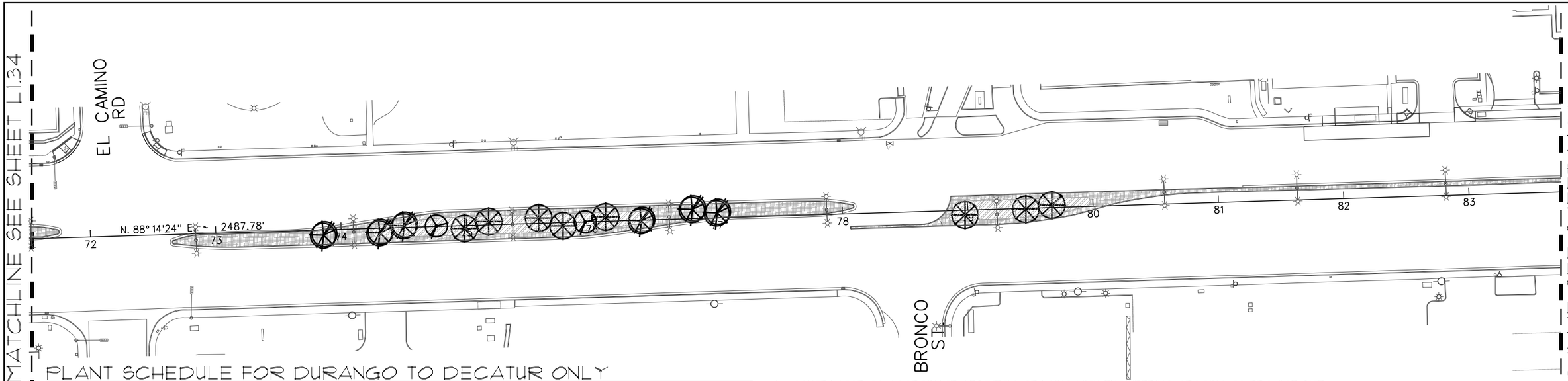
SHEET No. L1.34

Sheet 227L of 592

XREF :
FILE :

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS-BUILT - 05.31.2012



PLANT SCHEDULE FOR DURANGO TO DECATUR ONLY

SYMBOL	BOTANICAL NAME	COMMON NAME	QTY.	SIZE	REMARKS
	TREES				
	PARKINSONIA (CERCIDIUM) X 'DESERT MUSEUM'	DESERT MUSEUM PALO VERDE	88	36" BOX	
	VITEX AGNUS - CASTUS	CHASTE TREE	164	36" BOX	

SYMBOL	
	¼" MINUS 'APACHE BROWN' DECOMPOSED GRANITE
	2"-4" 'APACHE GOLD' DECOMPOSED GRANITE

GENERAL NOTES:

1. CONTRACTOR IS RESPONSIBLE TO VERIFY ALL PLANT QUANTITIES. THE PLANT SCHEDULE IS INTENDED AS A REFERENCE ONLY.
2. LANDSCAPE ARCHITECT IS TO APPROVE ALL PLANT MATERIAL PRIOR TO INSTALLATION WITH PRIOR NOTICE OF 48 HOURS.
3. PLANT MATERIAL IS TO HAVE IDENTIFICATION TAGS ON 10% OF THE TOTAL QUANTITY OF EACH SPECIES, SHOWING GENUS, SPECIES, VARIETY, ETC.
4. CONTRACTOR TO PROVIDE MATCHING SIZES AND FORMS OF LIKE SHRUB SPECIES AS SHOWN ON DRAWINGS.
5. CONTRACTOR TO PROVIDE POSITIVE DRAINAGE AWAY FROM ALL STRUCTURES, WALLS, AND ON ALL SIDEWALKS ACCORDING TO ALL CODES, REGULATIONS, AND REQUIREMENTS.
6. DECOMPOSED GRANITE, 1/4" MINUS, COLOR: "APACHE BROWN", 2" DEPTH TYPICAL AND 2"-4" 'APACHE GOLD', 4" DEPTH TYPICAL. DECOMPOSED GRANITE SHALL CONTAIN 60% AGGREGATE AND 40% FINES. CONTRACTOR TO RECEIVE VERIFICATION FROM ROCK SUPPLIER AND PRESENT VERIFICATION TO THE OWNER PRIOR TO ANY CONSTRUCTION.

WHOLESALE DEALER:
KALAMAZOO MATERIALS, INC.
3909 VEGAS DRIVE
LAS VEGAS, NV 89108
TELEPHONE: (702) 296-9131
CONTACT: TRACEY LOCKWOOD

OR

VISTA LANDSCAPE COMPANY
20 N. GIBSON ROAD
HENDERSON, NV 89014
(702) 565-6611

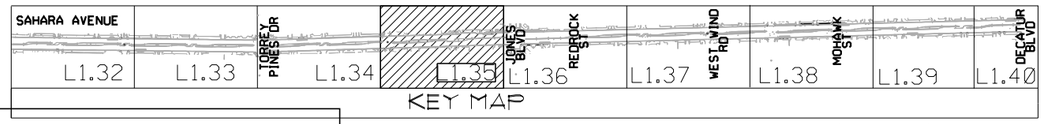
7. CONTRACTOR TO INSTALL ROOT GUARD AT THE PERIMETER/EDGE OF PAVEMENT OF ALL PLANTING AREAS. CONTRACTOR TO INSTALL ROOT GUARD PER MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.

MODEL: UB 24-2
MANUFACTURER: DEEP ROOT PARTNERS, L.P.
345 LORTON AVENUE
BURLINGAME, CA 94010
TELEPHONE: (800) 458-7668

OR

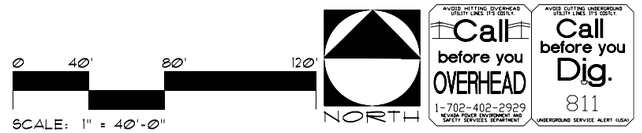
MODEL: EP2450
MANUFACTURER: NDS
21820 BURBANK BLVD., SUITE 200
WOODLAND HILLS, CA 91367
TELEPHONE: (800) 726-1994

8. CONTRACTOR TO COORDINATE AESTHETIC GRADING WITH ENGINEERING GRADING TO PROVIDE SITE DRAINAGE AS DESIGNED BY THE ENGINEER.
9. 4' X 8' PLANTER BOXES LOCATED ON SOUTHSIDE OF SAHARA FROM STA 858+00 TO STA 883+00. (SEE CIVIL PLANS FOR DETAILS)
10. 5' X 10' TREE WELLS LOCATED FROM DECATUR BLVD. STA 136+00 TO RANCHO DRIVE STA 238+00 AND FROM PARADISE ROAD STA 805+00 TO MOJAVE ROAD STA 950+00 EXCEPT AS NOTED ABOVE IN NOTE 10. (SEE CIVIL PLANS FOR DETAILS)
11. STANDARD TREE WELLS TO BE CENTERED 2.5 FT FROM THE BACK OF EXISTING CURB THROUGHOUT SITE EXCEPT AS NOTED ON PLANS.
12. MEDIAN ISLANDS WILL USE 1/4" MINUS DECOMPOSED GRANITE WITHIN 4 FEET OF THE CURB BUT MAY USE 2-4" ROCK IN WIDE MEDIANS, PLACED AT LEAST 4 FEET BACK OF THE MEDIAN ISLAND CURB
13. THE MEDIAN ISLANDS SHOULD BE MOUNDED, WITH A 6H:1V MAXIMUM SLOPE FROM THE BACK OF CURB TO THE CENTER OF THE MEDIAN AND WITH ROUNDING OF THE TOP OF THE MOUNDED EMBANKMENT IN THE CENTER MEDIAN
14. SIDEWALK FINISH SHALL BE PLAIN (NOT STAMPED OR COLORED)
15. 4FT X 8FT PLANTER BOXES SHALL HAVE DECORATIVE FINISH. THE PLANTER BOXES SHALL HAVE A REDDISH COLOR, BY STAINING OR INTEGRAL PIGMENT. PLANTER BOXES SHALL BE PLACED SUCH THAT THE TOP OF THE BOX EXTENDS NO HIGHER THAN 24 INCHES ABOVE THE CURB. COLOR TO BE APPROVED BY OWNER PRIOR TO PERMANENT APPLICATION.
16. AT THE TIME OF PLANTING, SIDEWALK TREES SHALL HAVE A MINIMUM HEIGHT OF 8.0 FT MEASURED FROM THE TOP OF THE NEAREST CURB TO THE BOTTOM OF THE CANOPY
17. TREES TO BE REMOVED WILL BE DISPOSED OF BY CONTRACTOR AND WILL NOT BE SALVAGED



RECORD DRAWINGS
DATE: 09/12/12

These record drawings have been reviewed based upon information furnished by others. While this information is believed to be reliable, JW Zunino Landscape Architecture cannot assure their accuracy of these record drawings or any errors or omissions that may have been incorporated as a result. Those relying on these record drawings are advised to obtain independent verification of their accuracy before applying it for any purpose



REV. NO.	DATE	DESCRIPTION	APPROVED

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
LANDSCAPE PLANTING PLAN

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: SEC
DESIGNED BY: SEC CHECKED BY: WTS
APPROVED BY WTS

J.W. ZUNINO LANDSCAPE ARCHITECTURE
LAS VEGAS NV 3191 SLOANES BLVD. | LAS VEGAS, NV 89146 P 702.593.5300 | F 702.293.1010
CARLSBAD CA 2246 FARADAY AVE. | CARLSBAD, CA 92008

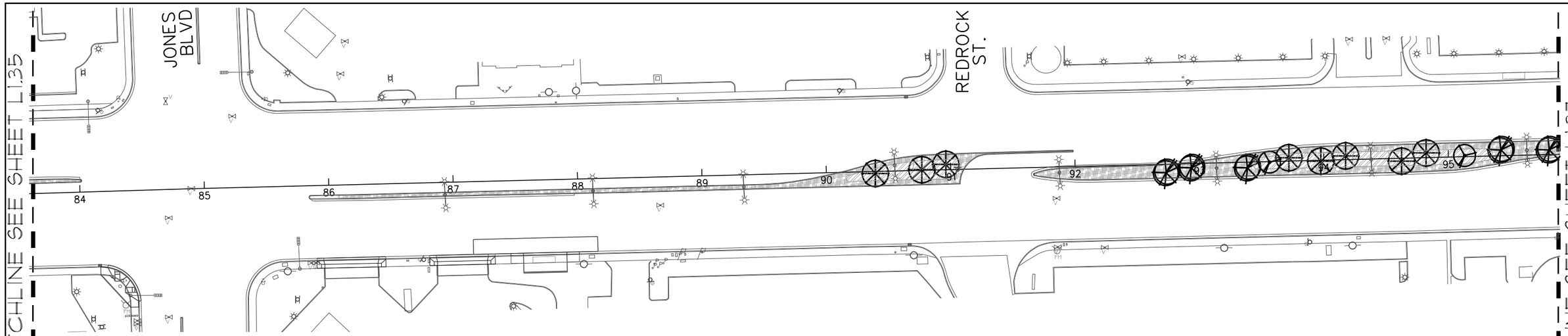
SCALE
HORIZ : 1"=40'-0"
VERT : NA
FIELD BOOK :
NONE

SHEET No.
L1.35
Sheet 227M of 592

AS-BUILT - 05.31.2012

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

XREF :
FILE :



PLANT SCHEDULE FOR DURANGO TO DECATUR ONLY

SYMBOL	BOTANICAL NAME	COMMON NAME	QTY.	SIZE	REMARKS
TREES					
	PARKINSONIA (CERCIDIUM) X 'DESERT MUSEUM'	DESERT MUSEUM PALO VERDE	88	36" BOX	
	VITEX AGNUS - CASTUS	CHASTE TREE	164	36" BOX	

SYMBOL	
	¼" MINUS 'APACHE BROWN' DECOMPOSED GRANITE
	2"-4" 'APACHE GOLD' DECOMPOSED GRANITE

GENERAL NOTES:

1. CONTRACTOR IS RESPONSIBLE TO VERIFY ALL PLANT QUANTITIES. THE PLANT SCHEDULE IS INTENDED AS A REFERENCE ONLY.
2. LANDSCAPE ARCHITECT IS TO APPROVE ALL PLANT MATERIAL PRIOR TO INSTALLATION WITH PRIOR NOTICE OF 48 HOURS.
3. PLANT MATERIAL IS TO HAVE IDENTIFICATION TAGS ON 10% OF THE TOTAL QUANTITY OF EACH SPECIES, SHOWING GENUS, SPECIES, VARIETY, ETC.
4. CONTRACTOR TO PROVIDE MATCHING SIZES AND FORMS OF LIKE SHRUB SPECIES AS SHOWN ON DRAWINGS.
5. CONTRACTOR TO PROVIDE POSITIVE DRAINAGE AWAY FROM ALL STRUCTURES, WALLS, AND ON ALL SIDEWALKS ACCORDING TO ALL CODES, REGULATIONS, AND REQUIREMENTS.
6. DECOMPOSED GRANITE, 1/4" MINUS, COLOR: "APACHE BROWN", 2" DEPTH TYPICAL AND 2"-4" 'APACHE GOLD', 4" DEPTH TYPICAL. DECOMPOSED GRANITE SHALL CONTAIN 60% AGGREGATE AND 40% FINES. CONTRACTOR TO RECEIVE VERIFICATION FROM ROCK SUPPLIER AND PRESENT VERIFICATION TO THE OWNER PRIOR TO ANY CONSTRUCTION.

WHOLESALE DEALER:
KALAMAZOO MATERIALS, INC.
3909 VEGAS DRIVE
LAS VEGAS, NV 89108
TELEPHONE: (702) 296-9131
CONTACT: TRACEY LOCKWOOD

OR

VISTA LANDSCAPE COMPANY
20 N. GIBSON ROAD
HENDERSON, NV 89014
(702) 565-6611

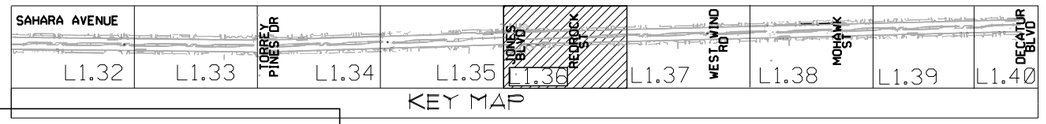
7. CONTRACTOR TO INSTALL ROOT GUARD AT THE PERIMETER/EDGE OF PAVEMENT OF ALL PLANTING AREAS. CONTRACTOR TO INSTALL ROOT GUARD PER MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.

MODEL: UB 24-2
MANUFACTURER: DEEP ROOT PARTNERS, L.P.
345 LORTON AVENUE
BURLINGAME, CA 94010
TELEPHONE: (800) 458-7668

OR

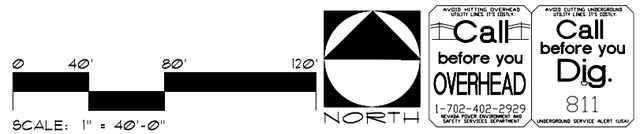
MODEL: EP2450
MANUFACTURER: NDS
21820 BURBANK BLVD., SUITE 200
WOODLAND HILLS, CA 91367
TELEPHONE: (800) 726-1994

8. CONTRACTOR TO COORDINATE AESTHETIC GRADING WITH ENGINEERING GRADING TO PROVIDE SITE DRAINAGE AS DESIGNED BY THE ENGINEER.
9. 4' X 8' PLANTER BOXES LOCATED ON SOUTHSIDE OF SAHARA FROM STA 858+00 TO STA 883+00. (SEE CIVIL PLANS FOR DETAILS)
10. 5' X 10' TREE WELLS LOCATED FROM DECATUR BLVD. STA 136+00 TO RANCHO DRIVE STA 238+00 AND FROM PARADISE ROAD STA 805+00 TO MOJAVE ROAD STA 950+00 EXCEPT AS NOTED ABOVE IN NOTE 10. (SEE CIVIL PLANS FOR DETAILS)
11. STANDARD TREE WELLS TO BE CENTERED 2.5 FT FROM THE BACK OF EXISTING CURB THROUGHOUT SITE EXCEPT AS NOTED ON PLANS.
12. MEDIAN ISLANDS WILL USE 1/4" MINUS DECOMPOSED GRANITE WITHIN 4 FEET OF THE CURB BUT MAY USE 2-4" ROCK IN WIDE MEDIANS, PLACED AT LEAST 4 FEET BACK OF THE MEDIAN ISLAND CURB
13. THE MEDIAN ISLANDS SHOULD BE MOUNDED, WITH A 6H:1V MAXIMUM SLOPE FROM THE BACK OF CURB TO THE CENTER OF THE MEDIAN AND WITH ROUNDING OF THE TOP OF THE MOUNDED EMBANKMENT IN THE CENTER MEDIAN
14. SIDEWALK FINISH SHALL BE PLAIN (NOT STAMPED OR COLORED)
15. 4FT X 8FT PLANTER BOXES SHALL HAVE DECORATIVE FINISH. THE PLANTER BOXES SHALL HAVE A REDDISH COLOR, BY STAINING OR INTEGRAL PIGMENT. PLANTER BOXES SHALL BE PLACED SUCH THAT THE TOP OF THE BOX EXTENDS NO HIGHER THAN 24 INCHES ABOVE THE CURB. COLOR TO BE APPROVED BY OWNER PRIOR TO PERMANENT APPLICATION.
16. AT THE TIME OF PLANTING, SIDEWALK TREES SHALL HAVE A MINIMUM HEIGHT OF 8.0 FT MEASURED FROM THE TOP OF THE NEAREST CURB TO THE BOTTOM OF THE CANOPY
17. TREES TO BE REMOVED WILL BE DISPOSED OF BY CONTRACTOR AND WILL NOT BE SALVAGED



RECORD DRAWINGS
DATE: 09/12/12

These record drawings have been reviewed based upon information furnished by others. While this information is believed to be reliable, JW Zunino Landscape Architecture cannot assure their accuracy of these record drawings or any errors or omissions that may have been incorporated as a result. Those relying on these record drawings are advised to obtain independent verification of their accuracy before applying it for any purpose



REV. NO.	DATE	DESCRIPTION	APPROVED

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
LANDSCAPE PLANTING PLAN

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: SEC
DESIGNED BY: SEC CHECKED BY: WTS
APPROVED BY WTS

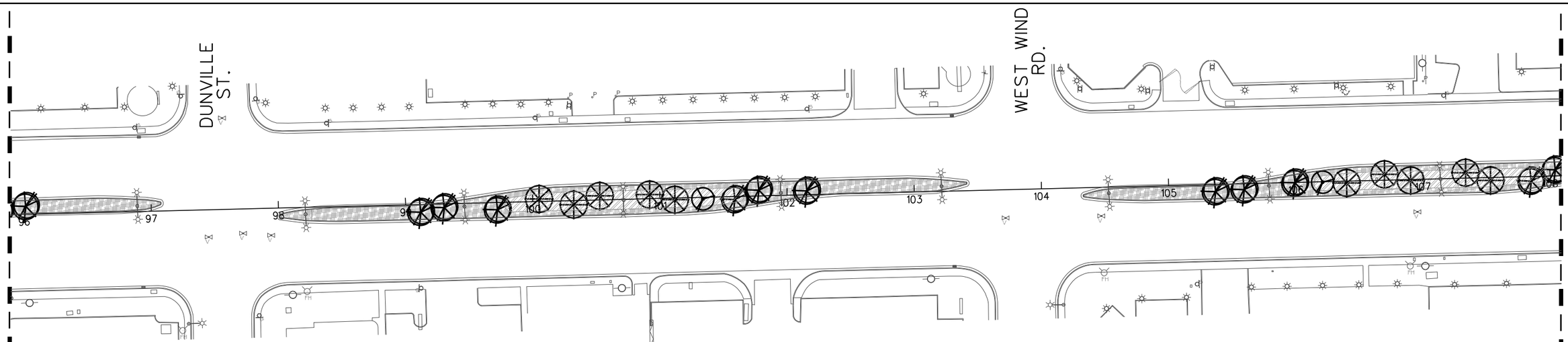
J W ZUNINO LANDSCAPE ARCHITECTURE
LAS VEGAS NV 3191 SUMMERLIN BLVD. | LAS VEGAS, NV 89146 | T 702.253.2300 | F 702.253.1010
CARLSBAD CA 2248 FARADAY AVE. | CARLSBAD, CA 92008

SCALE
HORIZ : 1"=40'-0"
VERT : NA
FIELD BOOK : NONE

SHEET No. L1.36
Sheet 227N of 592

AS-BUILT - 05.31.2012

XREF :
FILE :



PLANT SCHEDULE FOR DURANGO TO DECATUR ONLY

SYMBOL	BOTANICAL NAME	COMMON NAME	QTY.	SIZE	REMARKS
TREES					
	PARKINSONIA (CERCIDIUM) X 'DESERT MUSEUM'	DESERT MUSEUM PALO VERDE	88	36" BOX	
	VITEX AGNUS - CASTUS	CHASTE TREE	164	36" BOX	

SYMBOL

¼" MINUS 'APACHE BROWN' DECOMPOSED GRANITE

2"-4" 'APACHE GOLD' DECOMPOSED GRANITE

GENERAL NOTES:

1. CONTRACTOR IS RESPONSIBLE TO VERIFY ALL PLANT QUANTITIES. THE PLANT SCHEDULE IS INTENDED AS A REFERENCE ONLY.
2. LANDSCAPE ARCHITECT IS TO APPROVE ALL PLANT MATERIAL PRIOR TO INSTALLATION WITH PRIOR NOTICE OF 48 HOURS.
3. PLANT MATERIAL IS TO HAVE IDENTIFICATION TAGS ON 10% OF THE TOTAL QUANTITY OF EACH SPECIES, SHOWING GENUS, SPECIES, VARIETY, ETC.
4. CONTRACTOR TO PROVIDE MATCHING SIZES AND FORMS OF LIKE SHRUB SPECIES AS SHOWN ON DRAWINGS.
5. CONTRACTOR TO PROVIDE POSITIVE DRAINAGE AWAY FROM ALL STRUCTURES, WALLS, AND ON ALL SIDEWALKS ACCORDING TO ALL CODES, REGULATIONS, AND REQUIREMENTS.
6. DECOMPOSED GRANITE, 1/4" MINUS, COLOR: "APACHE BROWN", 2" DEPTH TYPICAL AND 2"-4" 'APACHE GOLD', 4" DEPTH TYPICAL. DECOMPOSED GRANITE SHALL CONTAIN 60% AGGREGATE AND 40% FINES. CONTRACTOR TO RECEIVE VERIFICATION FROM ROCK SUPPLIER AND PRESENT VERIFICATION TO THE OWNER PRIOR TO ANY CONSTRUCTION.

WHOLESALE DEALER:
KALAMAZOO MATERIALS, INC.
3909 VEGAS DRIVE
LAS VEGAS, NV 89108
TELEPHONE: (702) 296-9131
CONTACT: TRACEY LOCKWOOD

OR

VISTA LANDSCAPE COMPANY
20 N. GIBSON ROAD
HENDERSON, NV 89014
(702) 565-6611

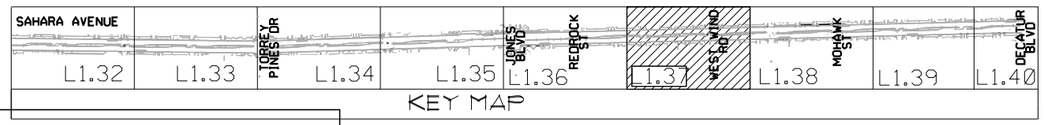
7. CONTRACTOR TO INSTALL ROOT GUARD AT THE PERIMETER/EDGE OF PAVEMENT OF ALL PLANTING AREAS. CONTRACTOR TO INSTALL ROOT GUARD PER MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.

MODEL: UB 24-2
MANUFACTURER: DEEP ROOT PARTNERS, L.P.
345 LORTON AVENUE
BURLINGAME, CA 94010
TELEPHONE: (800) 458-7668

OR

MODEL: EP2450
MANUFACTURER: NDS
21820 BURBANK BLVD., SUITE 200
WOODLAND HILLS, CA 91367
TELEPHONE: (800) 726-1994

8. CONTRACTOR TO COORDINATE AESTHETIC GRADING WITH ENGINEERING GRADING TO PROVIDE SITE DRAINAGE AS DESIGNED BY THE ENGINEER.
9. 4' X 8' PLANTER BOXES LOCATED ON SOUTHSIDE OF SAHARA FROM STA 858+00 TO STA 883+00. (SEE CIVIL PLANS FOR DETAILS)
10. 5' X 10' TREE WELLS LOCATED FROM DECATUR BLVD. STA 136+00 TO RANCHO DRIVE STA 238+00 AND FROM PARADISE ROAD STA 805+00 TO MOJAVE ROAD STA 950+00 EXCEPT AS NOTED ABOVE IN NOTE 10. (SEE CIVIL PLANS FOR DETAILS)
11. STANDARD TREE WELLS TO BE CENTERED 2.5 FT FROM THE BACK OF EXISTING CURB THROUGHOUT SITE EXCEPT AS NOTED ON PLANS.
12. MEDIAN ISLANDS WILL USE 1/4" MINUS DECOMPOSED GRANITE WITHIN 4 FEET OF THE CURB BUT MAY USE 2-4" ROCK IN WIDE MEDIANS, PLACED AT LEAST 4 FEET BACK OF THE MEDIAN ISLAND CURB
13. THE MEDIAN ISLANDS SHOULD BE MOUNDED, WITH A 6H:1V MAXIMUM SLOPE FROM THE BACK OF CURB TO THE CENTER OF THE MEDIAN AND WITH ROUNDING OF THE TOP OF THE MOUNDED EMBANKMENT IN THE CENTER MEDIAN
14. SIDEWALK FINISH SHALL BE PLAIN (NOT STAMPED OR COLORED)
15. 4FT X 8FT PLANTER BOXES SHALL HAVE DECORATIVE FINISH. THE PLANTER BOXES SHALL HAVE A REDDISH COLOR, BY STAINING OR INTEGRAL PIGMENT. PLANTER BOXES SHALL BE PLACED SUCH THAT THE TOP OF THE BOX EXTENDS NO HIGHER THAN 24 INCHES ABOVE THE CURB. COLOR TO BE APPROVED BY OWNER PRIOR TO PERMANENT APPLICATION.
16. AT THE TIME OF PLANTING, SIDEWALK TREES SHALL HAVE A MINIMUM HEIGHT OF 8.0 FT MEASURED FROM THE TOP OF THE NEAREST CURB TO THE BOTTOM OF THE CANOPY
17. TREES TO BE REMOVED WILL BE DISPOSED OF BY CONTRACTOR AND WILL NOT BE SALVAGED



RECORD DRAWINGS
DATE: 09/12/12

These record drawings have been reviewed based upon information furnished by others. While this information is believed to be reliable, JW Zunino Landscape Architecture cannot assure their accuracy of these record drawings or any errors or omissions that may have been incorporated as a result. Those relying on these record drawings are advised to obtain independent verification of their accuracy before applying it for any purpose

0 40' 80' 120'
SCALE: 1" = 40'-0"

NORTH

Call before you OVERHEAD 1-702-402-2929 NEVADA POWER ENVIRONMENT AND SAFETY SERVICES DEPARTMENT

Call before you Dig. 811 UNDERGROUND SERVICE ALERT (USA)

AS-BUILT - 05.31.2012

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

REV. NO.	DATE	DESCRIPTION	APPROVED

XREF :
FILE :

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
LANDSCAPE PLANTING PLAN

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

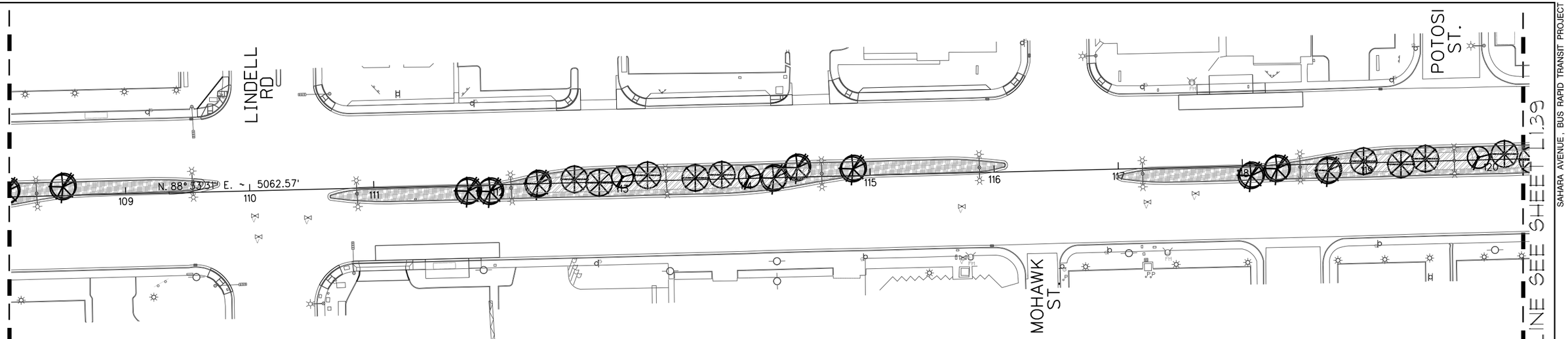
PROJECT No: CB 1083 DRAWN BY: SEC
DESIGNED BY: SEC CHECKED BY: WTS
APPROVED BY WTS

JW ZUNINO LANDSCAPE ARCHITECTURE
LAS VEGAS NV
3191 SUDNES BLVD. | LAS VEGAS, NV 89146
P 702.793.5300 | F 702.793.1010
CARLSBAD CA
2246 FARADAY AVE. | CARLSBAD, CA 92008

SCALE
HORIZ : 1"=40'-0"
VERT : NA

FIELD BOOK :
NONE

SHEET No.
L1.37



PLANT SCHEDULE FOR DURANGO TO DECATUR ONLY

SYMBOL	BOTANICAL NAME	COMMON NAME	QTY.	SIZE	REMARKS
	TREES				
	PARKINSONIA (CERCIDIUM) X 'DESERT MUSEUM'	DESERT MUSEUM PALO VERDE	88	36" BOX	
	VITEX AGNUS - CASTUS	CHASTE TREE	164	36" BOX	

SYMBOL	
	¼" MINUS 'APACHE BROWN' DECOMPOSED GRANITE
	2"-4" 'APACHE GOLD' DECOMPOSED GRANITE

GENERAL NOTES:

1. CONTRACTOR IS RESPONSIBLE TO VERIFY ALL PLANT QUANTITIES. THE PLANT SCHEDULE IS INTENDED AS A REFERENCE ONLY.
2. LANDSCAPE ARCHITECT IS TO APPROVE ALL PLANT MATERIAL PRIOR TO INSTALLATION WITH PRIOR NOTICE OF 48 HOURS.
3. PLANT MATERIAL IS TO HAVE IDENTIFICATION TAGS ON 10% OF THE TOTAL QUANTITY OF EACH SPECIES, SHOWING GENUS, SPECIES, VARIETY, ETC.
4. CONTRACTOR TO PROVIDE MATCHING SIZES AND FORMS OF LIKE SHRUB SPECIES AS SHOWN ON DRAWINGS.
5. CONTRACTOR TO PROVIDE POSITIVE DRAINAGE AWAY FROM ALL STRUCTURES, WALLS, AND ON ALL SIDEWALKS ACCORDING TO ALL CODES, REGULATIONS, AND REQUIREMENTS.
6. DECOMPOSED GRANITE, 1/4" MINUS, COLOR: "APACHE BROWN", 2" DEPTH TYPICAL AND 2"-4" 'APACHE GOLD', 4" DEPTH TYPICAL. DECOMPOSED GRANITE SHALL CONTAIN 60% AGGREGATE AND 40% FINES. CONTRACTOR TO RECEIVE VERIFICATION FROM ROCK SUPPLIER AND PRESENT VERIFICATION TO THE OWNER PRIOR TO ANY CONSTRUCTION.

   WHOLESALE DEALER:
   KALAMAZOO MATERIALS, INC.
   3909 VEGAS DRIVE
   LAS VEGAS, NV 89108
   TELEPHONE: (702) 296-9131
   CONTACT: TRACEY LOCKWOOD

   OR

   VISTA LANDSCAPE COMPANY
   20 N. GIBSON ROAD
   HENDERSON, NV 89014
   (702) 565-6611

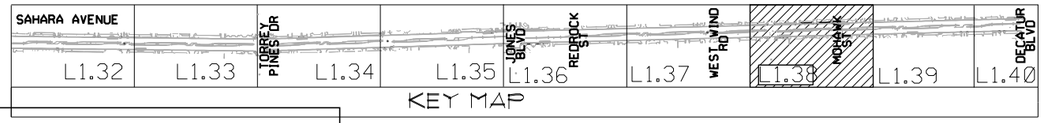
7. CONTRACTOR TO INSTALL ROOT GUARD AT THE PERIMETER/EDGE OF PAVEMENT OF ALL PLANTING AREAS. CONTRACTOR TO INSTALL ROOT GUARD PER MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.

   MODEL: UB 24-2
   MANUFACTURER: DEEP ROOT PARTNERS, L.P.
   345 LORTON AVENUE
   BURLINGAME, CA 94010
   TELEPHONE: (800) 458-7668

   OR

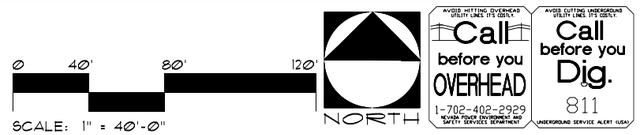
   MODEL: EP2450
   MANUFACTURER: NDS
   21820 BURBANK BLVD., SUITE 200
   WOODLAND HILLS, CA 91367
   TELEPHONE: (800) 726-1994

8. CONTRACTOR TO COORDINATE AESTHETIC GRADING WITH ENGINEERING GRADING TO PROVIDE SITE DRAINAGE AS DESIGNED BY THE ENGINEER.
9. 4' X 8' PLANTER BOXES LOCATED ON SOUTHSIDE OF SAHARA FROM STA 858+00 TO STA 883+00. (SEE CIVIL PLANS FOR DETAILS)
10. 5' X 10' TREE WELLS LOCATED FROM DECATUR BLVD. STA 136+00 TO RANCHO DRIVE STA 238+00 AND FROM PARADISE ROAD STA 805+00 TO MOJAVE ROAD STA 950+00 EXCEPT AS NOTED ABOVE IN NOTE 10. (SEE CIVIL PLANS FOR DETAILS)
11. STANDARD TREE WELLS TO BE CENTERED 2.5 FT FROM THE BACK OF EXISTING CURB THROUGHOUT SITE EXCEPT AS NOTED ON PLANS.
12. MEDIAN ISLANDS WILL USE 1/4" MINUS DECOMPOSED GRANITE WITHIN 4 FEET OF THE CURB BUT MAY USE 2-4" ROCK IN WIDE MEDIANS, PLACED AT LEAST 4 FEET BACK OF THE MEDIAN ISLAND CURB
13. THE MEDIAN ISLANDS SHOULD BE MOUNDED, WITH A 6H:1V MAXIMUM SLOPE FROM THE BACK OF CURB TO THE CENTER OF THE MEDIAN AND WITH ROUNDING OF THE TOP OF THE MOUNDED EMBANKMENT IN THE CENTER MEDIAN
14. SIDEWALK FINISH SHALL BE PLAIN (NOT STAMPED OR COLORED)
15. 4FT X 8FT PLANTER BOXES SHALL HAVE DECORATIVE FINISH. THE PLANTER BOXES SHALL HAVE A REDDISH COLOR, BY STAINING OR INTEGRAL PIGMENT. PLANTER BOXES SHALL BE PLACED SUCH THAT THE TOP OF THE BOX EXTENDS NO HIGHER THAN 24 INCHES ABOVE THE CURB. COLOR TO BE APPROVED BY OWNER PRIOR TO PERMANENT APPLICATION.
16. AT THE TIME OF PLANTING, SIDEWALK TREES SHALL HAVE A MINIMUM HEIGHT OF 8.0 FT MEASURED FROM THE TOP OF THE NEAREST CURB TO THE BOTTOM OF THE CANOPY
17. TREES TO BE REMOVED WILL BE DISPOSED OF BY CONTRACTOR AND WILL NOT BE SALVAGED



RECORD DRAWINGS
DATE: 09/12/12

These record drawings have been reviewed based upon information furnished by others. While this information is believed to be reliable, JW Zunino Landscape Architecture cannot assure their accuracy of these record drawings or any errors or omissions that may have been incorporated as a result. Those relying on these record drawings are advised to obtain independent verification of their accuracy before applying it for any purpose



REV. NO.	DATE	DESCRIPTION	APPROVED

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
LANDSCAPE PLANTING PLAN

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No:	CB 1083	DRAWN BY:	SEC
DESIGNED BY:	SEC	CHECKED BY:	WTS
APPROVED BY	WTS		

LAS VEGAS NV 3191 SUNRISE BLVD. | LAS VEGAS, NV 89146 P 702.793.3100 | F 702.293.1010
CARLSBAD CA 2246 FARADAY AVE. | CARLSBAD, CA 92008
JW ZUNINO LANDSCAPE ARCHITECTURE

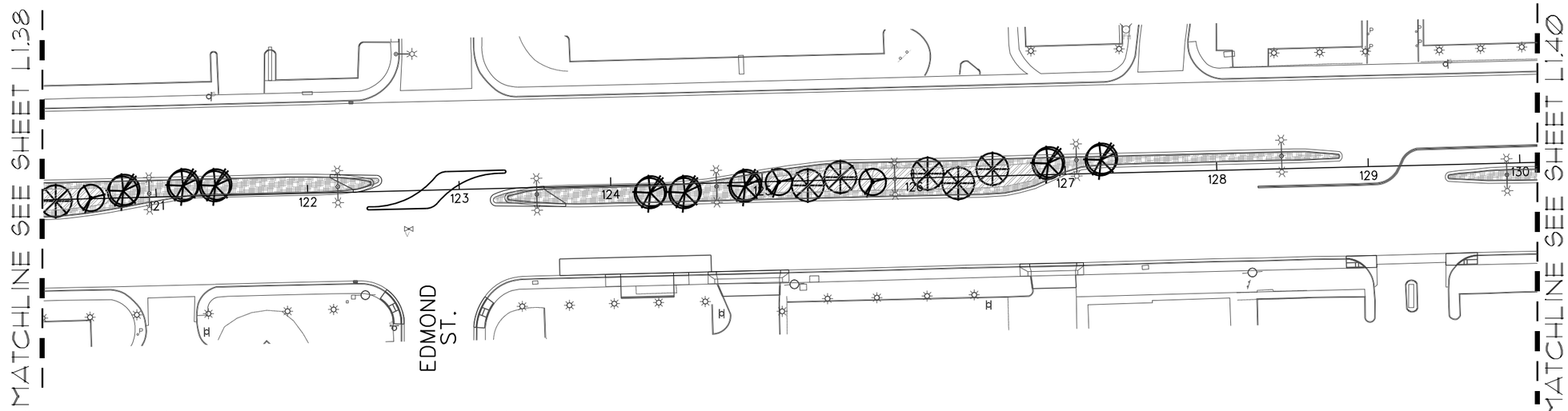
SCALE
HORIZ : 1"=40'-0"
VERT : NA
FIELD BOOK :
NONE

SHEET No.
L1.38
Sheet 227P of 592

AS-BUILT - 05.31.2012

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

XREF :
FILE :



PLANT SCHEDULE FOR DURANGO TO DECATUR ONLY

SYMBOL	BOTANICAL NAME	COMMON NAME	QTY.	SIZE	REMARKS
	TREES				
	PARKINSONIA (CERCIDIUM) X 'DESERT MUSEUM'	DESERT MUSEUM PALO VERDE	88	36" BOX	
	VITEX AGNUS - CASTUS	CHASTE TREE	164	36" BOX	

SYMBOL

¼" MINUS 'APACHE BROWN' DECOMPOSED GRANITE

2"-4" 'APACHE GOLD' DECOMPOSED GRANITE

GENERAL NOTES:

1. CONTRACTOR IS RESPONSIBLE TO VERIFY ALL PLANT QUANTITIES. THE PLANT SCHEDULE IS INTENDED AS A REFERENCE ONLY.
2. LANDSCAPE ARCHITECT IS TO APPROVE ALL PLANT MATERIAL PRIOR TO INSTALLATION WITH PRIOR NOTICE OF 48 HOURS.
3. PLANT MATERIAL IS TO HAVE IDENTIFICATION TAGS ON 10% OF THE TOTAL QUANTITY OF EACH SPECIES, SHOWING GENUS, SPECIES, VARIETY, ETC.
4. CONTRACTOR TO PROVIDE MATCHING SIZES AND FORMS OF LIKE SHRUB SPECIES AS SHOWN ON DRAWINGS.
5. CONTRACTOR TO PROVIDE POSITIVE DRAINAGE AWAY FROM ALL STRUCTURES, WALLS, AND ON ALL SIDEWALKS ACCORDING TO ALL CODES, REGULATIONS, AND REQUIREMENTS.
6. DECOMPOSED GRANITE, 1/4" MINUS, COLOR: "APACHE BROWN", 2" DEPTH TYPICAL AND 2"-4" 'APACHE GOLD', 4" DEPTH TYPICAL. DECOMPOSED GRANITE SHALL CONTAIN 60% AGGREGATE AND 40% FINES. CONTRACTOR TO RECEIVE VERIFICATION FROM ROCK SUPPLIER AND PRESENT VERIFICATION TO THE OWNER PRIOR TO ANY CONSTRUCTION.

WHOLESALE DEALER:
KALAMAZOO MATERIALS, INC.
3909 VEGAS DRIVE
LAS VEGAS, NV 89108
TELEPHONE: (702) 296-9131
CONTACT: TRACEY LOCKWOOD

OR

VISTA LANDSCAPE COMPANY
20 N. GIBSON ROAD
HENDERSON, NV 89014
(702) 565-6611

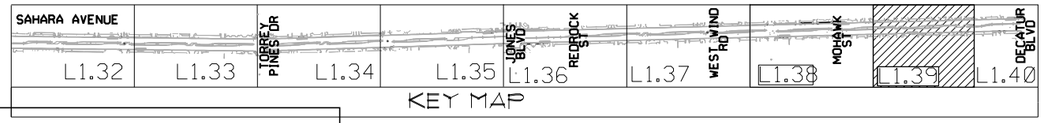
7. CONTRACTOR TO INSTALL ROOT GUARD AT THE PERIMETER/EDGE OF PAVEMENT OF ALL PLANTING AREAS. CONTRACTOR TO INSTALL ROOT GUARD PER MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.

MODEL: UB 24-2
MANUFACTURER: DEEP ROOT PARTNERS, L.P.
345 LORTON AVENUE
BURLINGAME, CA 94010
TELEPHONE: (800) 458-7668

OR

MODEL: EP2450
MANUFACTURER: NDS
21820 BURBANK BLVD., SUITE 200
WOODLAND HILLS, CA 91367
TELEPHONE: (800) 726-1994

8. CONTRACTOR TO COORDINATE AESTHETIC GRADING WITH ENGINEERING GRADING TO PROVIDE SITE DRAINAGE AS DESIGNED BY THE ENGINEER.
9. 4' X 8' PLANTER BOXES LOCATED ON SOUTHSIDE OF SAHARA FROM STA 858+00 TO STA 883+00. (SEE CIVIL PLANS FOR DETAILS)
10. 5' X 10' TREE WELLS LOCATED FROM DECATUR BLVD. STA 136+00 TO RANCHO DRIVE STA 238+00 AND FROM PARADISE ROAD STA 805+00 TO MOJAVE ROAD STA 950+00 EXCEPT AS NOTED ABOVE IN NOTE 10. (SEE CIVIL PLANS FOR DETAILS)
11. STANDARD TREE WELLS TO BE CENTERED 2.5 FT FROM THE BACK OF EXISTING CURB THROUGHOUT SITE EXCEPT AS NOTED ON PLANS.
12. MEDIAN ISLANDS WILL USE 1/4" MINUS DECOMPOSED GRANITE WITHIN 4 FEET OF THE CURB BUT MAY USE 2-4" ROCK IN WIDE MEDIANS, PLACED AT LEAST 4 FEET BACK OF THE MEDIAN ISLAND CURB
13. THE MEDIAN ISLANDS SHOULD BE MOUNDED, WITH A 6H:1V MAXIMUM SLOPE FROM THE BACK OF CURB TO THE CENTER OF THE MEDIAN AND WITH ROUNDING OF THE TOP OF THE MOUNDED EMBANKMENT IN THE CENTER MEDIAN
14. SIDEWALK FINISH SHALL BE PLAIN (NOT STAMPED OR COLORED)
15. 4FT X 8FT PLANTER BOXES SHALL HAVE DECORATIVE FINISH. THE PLANTER BOXES SHALL HAVE A REDDISH COLOR, BY STAINING OR INTEGRAL PIGMENT. PLANTER BOXES SHALL BE PLACED SUCH THAT THE TOP OF THE BOX EXTENDS NO HIGHER THAN 24 INCHES ABOVE THE CURB. COLOR TO BE APPROVED BY OWNER PRIOR TO PERMANENT APPLICATION.
16. AT THE TIME OF PLANTING, SIDEWALK TREES SHALL HAVE A MINIMUM HEIGHT OF 8.0 FT MEASURED FROM THE TOP OF THE NEAREST CURB TO THE BOTTOM OF THE CANOPY
17. TREES TO BE REMOVED WILL BE DISPOSED OF BY CONTRACTOR AND WILL NOT BE SALVAGED



RECORD DRAWINGS
DATE: 09/12/12

These record drawings have been reviewed based upon information furnished by others. While this information is believed to be reliable, JW Zunino Landscape Architecture cannot assure their accuracy of these record drawings or any errors or omissions that may have been incorporated as a result. Those relying on these record drawings are advised to obtain independent verification of their accuracy before applying it for any purpose

0 40' 80' 120'
SCALE: 1" = 40'-0"

NORTH

Call before you OVERHEAD 1-702-402-2929 CLARK COUNTY NEVADA SAFETY SERVICES DEPARTMENT
AVOID CUTTING UNDERGROUND UTILITY LINES IT'S ODELY
Call before you Dig. 811 UNDERGROUND SERVICE ALERT (USA)

REV. NO.	DATE	DESCRIPTION	APPROVED

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
LANDSCAPE PLANTING PLAN

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: SEC
DESIGNED BY: SEC CHECKED BY: WTS
APPROVED BY WTS

J W ZUNINO LANDSCAPE ARCHITECTURE
LAS VEGAS NV 3191 SUCHES BLVD. | LAS VEGAS, NV 89146 P 702.795.3300 | F 702.795.1010
CARLSBAD CA 2246 FARADAY AVE. | CARLSBAD, CA 92008

SCALE
HORIZ : 1"=40'-0"
VERT : NA
FIELD BOOK : NONE

SHEET No. L1.39
Sheet 227Q of 592

XREF :
FILE :

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS-BUILT - 05.31.2012

PLANT SCHEDULE FOR DURANGO TO DECATUR ONLY

SYMBOL	BOTANICAL NAME	COMMON NAME	QTY.	SIZE	REMARKS
	TREES				
	PARKINSONIA (CERCIDIUM) X 'DESERT MUSEUM'	DESERT MUSEUM PALO VERDE	88	36" BOX	
	VITEX AGNUS - CASTUS	CHASTE TREE	164	36" BOX	

SYMBOL	
	¼" MINUS 'APACHE BROWN' DECOMPOSED GRANITE
	2"-4" 'APACHE GOLD' DECOMPOSED GRANITE

GENERAL NOTES:

1. CONTRACTOR IS RESPONSIBLE TO VERIFY ALL PLANT QUANTITIES. THE PLANT SCHEDULE IS INTENDED AS A REFERENCE ONLY.
2. LANDSCAPE ARCHITECT IS TO APPROVE ALL PLANT MATERIAL PRIOR TO INSTALLATION WITH PRIOR NOTICE OF 48 HOURS.
3. PLANT MATERIAL IS TO HAVE IDENTIFICATION TAGS ON 10% OF THE TOTAL QUANTITY OF EACH SPECIES, SHOWING GENUS, SPECIES, VARIETY, ETC.
4. CONTRACTOR TO PROVIDE MATCHING SIZES AND FORMS OF LIKE SHRUB SPECIES AS SHOWN ON DRAWINGS.
5. CONTRACTOR TO PROVIDE POSITIVE DRAINAGE AWAY FROM ALL STRUCTURES, WALLS, AND ON ALL SIDEWALKS ACCORDING TO ALL CODES, REGULATIONS, AND REQUIREMENTS.
6. DECOMPOSED GRANITE, 1/4" MINUS, COLOR: "APACHE BROWN", 2" DEPTH TYPICAL AND 2"-4" 'APACHE GOLD', 4" DEPTH TYPICAL. DECOMPOSED GRANITE SHALL CONTAIN 60% AGGREGATE AND 40% FINES. CONTRACTOR TO RECEIVE VERIFICATION FROM ROCK SUPPLIER AND PRESENT VERIFICATION TO THE OWNER PRIOR TO ANY CONSTRUCTION.

   WHOLESALE DEALER:
   KALAMAZOO MATERIALS, INC.
   3909 VEGAS DRIVE
   LAS VEGAS, NV 89108
   TELEPHONE: (702) 296-9131
   CONTACT: TRACEY LOCKWOOD

   OR

   VISTA LANDSCAPE COMPANY
   20 N. GIBSON ROAD
   HENDERSON, NV 89014
   (702) 565-6611

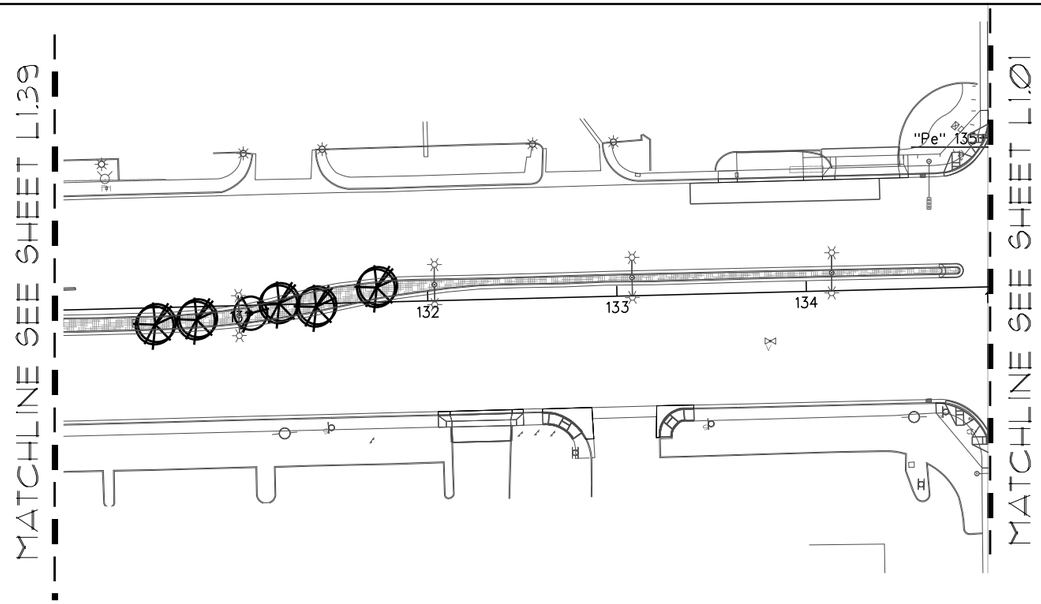
7. CONTRACTOR TO INSTALL ROOT GUARD AT THE PERIMETER/EDGE OF PAVEMENT OF ALL PLANTING AREAS. CONTRACTOR TO INSTALL ROOT GUARD PER MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.

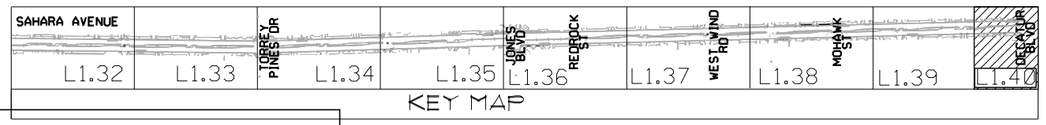
   MODEL: UB 24-2
   MANUFACTURER: DEEP ROOT PARTNERS, L.P.
   345 LORTON AVENUE
   BURLINGAME, CA 94010
   TELEPHONE: (800) 458-7668

   OR

   MODEL: EP2450
   MANUFACTURER: NDS
   21820 BURBANK BLVD., SUITE 200
   WOODLAND HILLS, CA 91367
   TELEPHONE: (800) 726-1994

8. CONTRACTOR TO COORDINATE AESTHETIC GRADING WITH ENGINEERING GRADING TO PROVIDE SITE DRAINAGE AS DESIGNED BY THE ENGINEER.
9. 4' X 8' PLANTER BOXES LOCATED ON SOUTHSIDE OF SAHARA FROM STA 858+00 TO STA 883+00. (SEE CIVIL PLANS FOR DETAILS)
10. 5' X 10' TREE WELLS LOCATED FROM DECATUR BLVD. STA 136+00 TO RANCHO DRIVE STA 238+00 AND FROM PARADISE ROAD STA 805+00 TO MOJAVE ROAD STA 950+00 EXCEPT AS NOTED ABOVE IN NOTE 10. (SEE CIVIL PLANS FOR DETAILS)
11. STANDARD TREE WELLS TO BE CENTERED 2.5 FT FROM THE BACK OF EXISTING CURB THROUGHOUT SITE EXCEPT AS NOTED ON PLANS.
12. MEDIAN ISLANDS WILL USE 1/4" MINUS DECOMPOSED GRANITE WITHIN 4 FEET OF THE CURB BUT MAY USE 2-4" ROCK IN WIDE MEDIANS, PLACED AT LEAST 4 FEET BACK OF THE MEDIAN ISLAND CURB
13. THE MEDIAN ISLANDS SHOULD BE MOUNDED, WITH A 6H:1V MAXIMUM SLOPE FROM THE BACK OF CURB TO THE CENTER OF THE MEDIAN AND WITH ROUNDING OF THE TOP OF THE MOUNDED EMBANKMENT IN THE CENTER MEDIAN
14. SIDEWALK FINISH SHALL BE PLAIN (NOT STAMPED OR COLORED)
15. 4FT X 8FT PLANTER BOXES SHALL HAVE DECORATIVE FINISH. THE PLANTER BOXES SHALL HAVE A REDDISH COLOR, BY STAINING OR INTEGRAL PIGMENT. PLANTER BOXES SHALL BE PLACED SUCH THAT THE TOP OF THE BOX EXTENDS NO HIGHER THAN 24 INCHES ABOVE THE CURB. COLOR TO BE APPROVED BY OWNER PRIOR TO PERMANENT APPLICATION.
16. AT THE TIME OF PLANTING, SIDEWALK TREES SHALL HAVE A MINIMUM HEIGHT OF 8.0 FT MEASURED FROM THE TOP OF THE NEAREST CURB TO THE BOTTOM OF THE CANOPY
17. TREES TO BE REMOVED WILL BE DISPOSED OF BY CONTRACTOR AND WILL NOT BE SALVAGED





RECORD DRAWINGS
DATE: 09/12/12

These record drawings have been reviewed based upon information furnished by others. While this information is believed to be reliable, JW Zunino Landscape Architecture cannot assure their accuracy of these record drawings or any errors or omissions that may have been incorporated as a result. Those relying on these record drawings are advised to obtain independent verification of their accuracy before applying it for any purpose

0 40' 80' 120'
SCALE: 1" = 40'-0"

NORTH

Call before you OVERHEAD 1-702-402-2929 NEVADA POWER ENVIRONMENT AND SAFETY SERVICES DEPARTMENT

Call before you Dig. 811 UNDERGROUND SERVICE ALERT (USA)

REV. NO.	DATE	DESCRIPTION	APPROVED

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
LANDSCAPE PLANTING PLAN

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No:	CB 1083	DRAWN BY:	SEC
DESIGNED BY:	SEC	CHECKED BY:	WTS
APPROVED BY	WTS		

JW ZUNINO LANDSCAPE ARCHITECTURE
LAS VEGAS NV 3191 SUNRISE BLVD. | LAS VEGAS, NV 89146 P 702.793.5300 | F 702.793.5310
CARLSBAD CA 2246 FARADAY AVE. | CARLSBAD, CA 92008

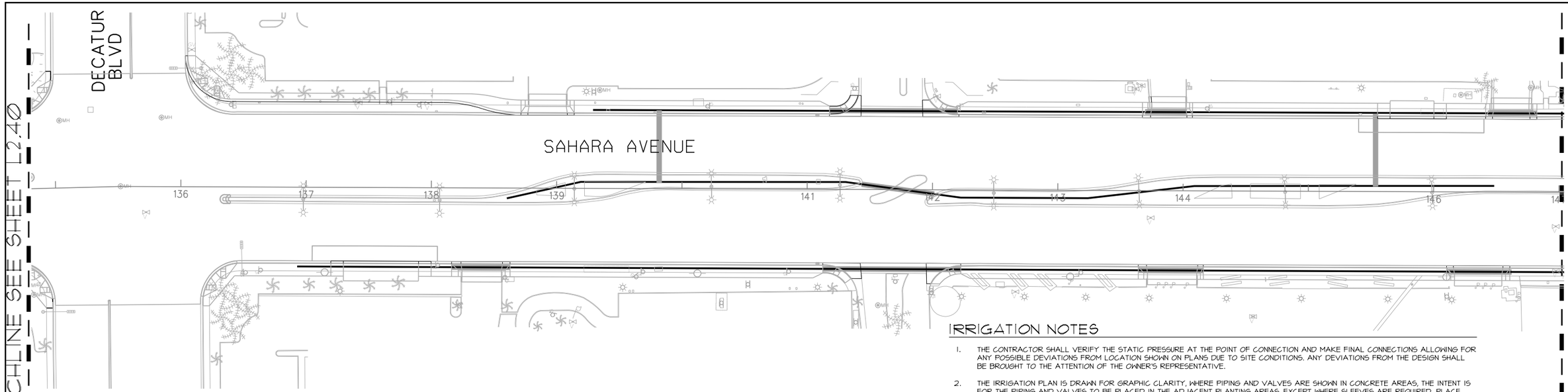
SCALE
HORIZ : 1"=40'-0"
VERT : NA
FIELD BOOK : NONE

SHEET No. L1.40
Sheet 227R of 592

AS-BUILT - 05.31.2012

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

XREF :
FILE :



IRRIGATION EQUIPMENT LEGEND

SYMBOL	DESCRIPTION	MANUFACTURER	MODEL	SIZE
PC	POINT OF CONNECTION	SEE CIVIL DRAWINGS		-----
B	BACKFLOW PREVENTER	FEBCO	825 YA	1"
WM	WATER METER	SEE CIVIL DRAWINGS		SEE CIVIL PLANS FOR SIZES AND LOCATION
EXWM	EXISTING WATER METER			CONFIRM LOCATION AND SIZE
	REMOTE CONTROL VALVE W/NYE FILTER & BALL VALVE	RAINBIRD AGRICULTURE PRODUCTS	PEB 4E-1-B-200	SIZE AS PER PLAN 1"
	PRESSURE REDUCING VALVE	SENNINGER	PMR-MF	1.5"
BV	BRONZE GATE VALVE	NIBCO	T-113	SIZE AS PER LINE
A B C D	IRRIGATION CONTROLLER	RAINBIRD	TBOS6CMUS	6 STATIONS
E F G H I J K L M N P Q R S	CONTROLLERS WILL NOT BE ON SITE, SHOWN FOR SEQUENCING ON PLANS.			
▪▪▪▪▪▪	PVC MAINLINE	2" & LARGER	CLASS 315	2"- SIZED FOR POTENTIAL EXPANSION
———	PVC LATERAL LINE	----	SCHEDULE 40	1.5"
NOT SHOWN	PVC FLEXIBLE TUBING SEE DETAIL 'L' ON L3.01	SALCO	PVC AR-050	1/2" I.D.
NOT SHOWN	EMITTER	BOWSMITH	SL220	SEE EMITTER SCHEDULE
▬▬▬	SLEEVE UNDER PAVED AREAS	-----	SCHEDULE 40	SEE NOTE #5

ID — IRRIGATION CONTROLLER
GPM — FLOW IN GPM
TYPE — PLANT MATERIAL
SIZE — VALVE SIZE

EMITTER SCHEDULE

PLANT SIZE	G.P.H.	QTY.	EMITTER	MANUFACTURER
36" BOX	16	8	SL220	BOWSMITH
24" BOX	16	8	SL220	BOWSMITH

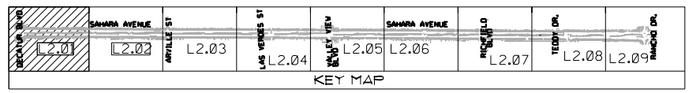
IRRIGATION NOTES

1. THE CONTRACTOR SHALL VERIFY THE STATIC PRESSURE AT THE POINT OF CONNECTION AND MAKE FINAL CONNECTIONS ALLOWING FOR ANY POSSIBLE DEVIATIONS FROM LOCATION SHOWN ON PLANS DUE TO SITE CONDITIONS. ANY DEVIATIONS FROM THE DESIGN SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE.
2. THE IRRIGATION PLAN IS DRAWN FOR GRAPHIC CLARITY, WHERE PIPING AND VALVES ARE SHOWN IN CONCRETE AREAS, THE INTENT IS FOR THE PIPING AND VALVES TO BE PLACED IN THE ADJACENT PLANTING AREAS, EXCEPT WHERE SLEEVES ARE REQUIRED. PLACE ALL VALVE BOXES IN SHRUB BEDS.
3. SEE CIVIL DRAWINGS FOR LOCATION OF POINT OF CONNECTION, METER SIZE, ETC.
4. BACKFLOW PREVENTER(S) TO BE IN COMPLIANCE WITH THE LAS VEGAS VALLEY WATER DISTRICT STANDARDS, CODES, AND REGULATIONS (LVVWD PLATE NO. 11).
5. INSTALL SLEEVING BASED ON THE SIZING GUIDE BELOW:

PIPE SIZE	REQUIRED SLEEVING
2 1/2" TO 3" PVC	1 - 6" SCH 40 PVC SLEEVE
1 1/4" TO 2" PVC	1 - 4" SCH 40 PVC SLEEVE
3/4" TO 1" PVC	1 - 2" SCH 40 PVC SLEEVE

WIRE QUANTITY	REQUIRED SLEEVING
1 - 25 CONTROL WIRES	1 - 2" SCH 40 PVC SLEEVE
26 - 50 CONTROL WIRES	2 - 2" SCH 40 PVC SLEEVE

6. CONTRACTOR TO PROVIDE ALL NECESSARY SLEEVING UNDER ROADS, CONCRETE SLABS, ETC.
7. VALVE BOXES TO BE PERMANENTLY BRANDED WITH CONTROLLER LETTER & STATION (EXAMPLES: STATION = A3, QUICK COUPLER = QC) LETTER AND STATION IDENTIFICATION SHALL BE 2 INCH HIGH MIN. VALVE BOXES TO HAVE LOCKING CAPABILITY. VALVE BOXES TO BE LOCATED IN PLANTING BEDS ONLY.
8. CONTRACTOR IS RESPONSIBLE TO VERIFY UTILITY LOCATION, OBTAIN, COORDINATE AND PAY FOR ANY PERMITS AND ALL INSPECTIONS AS REQUIRED.
9. CONTRACTOR RESPONSIBLE FOR POWER CONNECTION, PHONE LINE AND ACTIVATION OF IRRIGATION CONTROLLER(S) PRIOR TO SUBSTANTIAL COMPLETION.
10. CONTRACTOR TO PROVIDE POSITIVE DRAINAGE AWAY FROM ALL STRUCTURES, WALLS, AND ON ALL SIDEWALKS ACCORDING TO ALL CODES, REGULATIONS, AND REQUIREMENTS.
11. IF PIPING CROSSES PORTIONS OF ROADWAY NOT BEING IMPACTED BY CONSTRUCTION CONTRACTOR IS TO SAW CUT AND PATCH ASPHALT WHERE NECESSARY IN ORDER TO INSTALL PIPE AS SHOWN ON PLANS.
12. ALL WIRE SHALL BE SPLICED IN VALVE BOXES OR PULL BOXES ONLY.
13. VALVE BOXES SHALL BE CONCRETE WITH STEEL LID.
14. CONTRACTOR TO LOCATE AND INSTALL ONE ET GAUGE WITH STAINLESS STEEL HOUSING NEXT TO EACH IRRIGATION CONTROLLER AS SHOWN ON PLANS. CONTRACTOR TO MAKE FINAL CONNECTIONS TO CONTROLLER AS REQUIRED.
15. PRESSURE REDUCING VALVES ARE REQUIRED TO BE INSTALLED WHEN THE STATIC WATER PRESSURE IS IN EXCESS OF 80 PSI
16. RPPA'S IN MEDIAN REQUIRE BOLLARDS PER UDACS PLATES 4.8 AND 75. SEE LVVWD NORES FOR RPPA'S ON SHEET UN-1.



RECORD DRAWINGS
DATE: 09/12/12

These record drawings have been reviewed based upon information furnished by others. While this information is believed to be reliable, JW Zunino Landscape Architecture cannot assure their accuracy of these record drawings or any errors or omissions that may have been incorporated as a result. Those relying on these record drawings are advised to obtain independent verification of their accuracy before applying it for any purpose

0 40' 80' 120'
SCALE: 1" = 40'-0"

NORTH

AVOID HITTING OVERHEAD UTILITY LINES. IT'S EASY. Call before you OVERHEAD 1-702-402-2929 NEVADA POWER ENVIRONMENT AND SAFETY SERVICES DEPARTMENT

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S EASY. Call before you Dig. 811 UNDERGROUND SERVICE ALERT (USA)

AS-BUILT - 05.31.2012

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

XREF :
FILE :

REV. NO.	DATE	DESCRIPTION	APPROVED

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
LANDSCAPE IRRIGATION PLAN

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

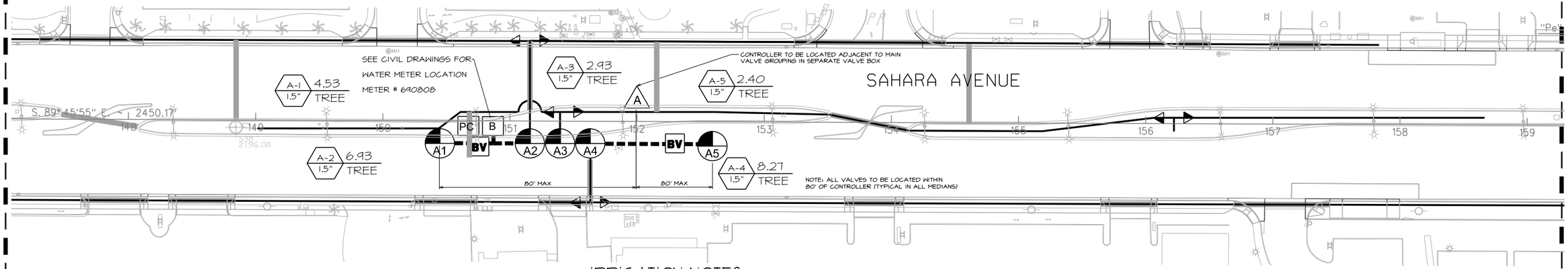
PROJECT No: CB 1083 DRAWN BY: SEC
DESIGNED BY: SEC CHECKED BY: WTS
APPROVED BY WTS

LAS VEGAS NV
3191 SLOANES BLVD | LAS VEGAS, NV 89146
P 702.873.3399 | F 702.873.1010
CARLSBAD CA
2246 FARADAY AVE. | CARLSBAD, CA 92008
JW ZUNINO LANDSCAPE ARCHITECTURE

SCALE
HORIZ : 1"=40'-0"
VERT : NA
FIELD BOOK :
NONE

SHEET No. L2.01

Sheet 228 of 592



IRRIGATION EQUIPMENT LEGEND

SYMBOL	DESCRIPTION	MANUFACTURER	MODEL	SIZE
PC	POINT OF CONNECTION	SEE CIVIL DRAWINGS		-----
B	BACKFLOW PREVENTER	FEBCO	825 YA	1"
WM	WATER METER	SEE CIVIL DRAWINGS		SEE CIVIL PLANS FOR SIZES AND LOCATION
EXWM	EXISTING WATER METER			CONFIRM LOCATION AND SIZE
	REMOTE CONTROL VALVE W/WYE FILTER & BALL VALVE	RAINBIRD AGRICULTURE PRODUCTS	PEB 4E-1-B-200	SIZE AS PER PLAN 1"
	PRESSURE REDUCING VALVE	SENNINGER	PMR-MF	1.5"
BV	BRONZE GATE VALVE	NIBCO	T-113	SIZE AS PER LINE
A B C D E F G H I J K L M N P Q R S	IRRIGATION CONTROLLER	RAINBIRD	TBOS6CMUS	6 STATIONS
	CONTROLLERS WILL NOT BE ON SITE, SHOWN FOR SEQUENCING ON PLANS.			
	PVC MAINLINE	2" & LARGER	CLASS 315	2"- SIZED FOR POTENTIAL EXPANSION
	PVC LATERAL LINE	----	SCHEDULE 40	1.5"
NOT SHOWN	PVC FLEXIBLE TUBING SEE DETAIL 'L' ON L3.01	SALCO	PVC AR-050	1/2" I.D.
NOT SHOWN	EMITTER	BOWSMITH	SL220	SEE EMITTER SCHEDULE
	SLEEVE UNDER PAVED AREAS	-----	SCHEDULE 40	SEE NOTE #5

ID — IRRIGATION CONTROLLER
GPM — FLOW IN GPM
SIZE — VALVE SIZE
TYPE — PLANT MATERIAL

EMITTER SCHEDULE

PLANT SIZE	G.P.H.	QTY.	EMITTER	MANUFACTURER
36" BOX	16	8	SL220	BOWSMITH
24" BOX	16	8	SL220	BOWSMITH

IRRIGATION NOTES

1. THE CONTRACTOR SHALL VERIFY THE STATIC PRESSURE AT THE POINT OF CONNECTION AND MAKE FINAL CONNECTIONS ALLOWING FOR ANY POSSIBLE DEVIATIONS FROM LOCATION SHOWN ON PLANS DUE TO SITE CONDITIONS. ANY DEVIATIONS FROM THE DESIGN SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE.
2. THE IRRIGATION PLAN IS DRAWN FOR GRAPHIC CLARITY, WHERE PIPING AND VALVES ARE SHOWN IN CONCRETE AREAS, THE INTENT IS FOR THE PIPING AND VALVES TO BE PLACED IN THE ADJACENT PLANTING AREAS, EXCEPT WHERE SLEEVES ARE REQUIRED. PLACE ALL VALVE BOXES IN SHRUB BEDS.
3. SEE CIVIL DRAWINGS FOR LOCATION OF POINT OF CONNECTION, METER SIZE, ETC.
4. BACKFLOW PREVENTER(S) TO BE IN COMPLIANCE WITH THE LAS VEGAS VALLEY WATER DISTRICT STANDARDS, CODES, AND REGULATIONS (LVVWD PLATE NO. 11).
5. INSTALL SLEEVING BASED ON THE SIZING GUIDE BELOW:

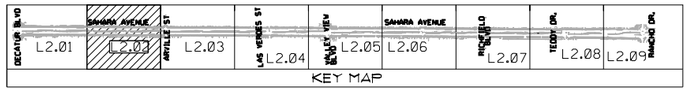
PIPE SIZE	REQUIRED SLEEVING
2 1/2" TO 3" PVC	1 - 6" SCH 40 PVC SLEEVE
1 1/4" TO 2" PVC	1 - 4" SCH 40 PVC SLEEVE
3/4" TO 1" PVC	1 - 2" SCH 40 PVC SLEEVE

WIRE QUANTITY	REQUIRED SLEEVING
1 - 25 CONTROL WIRES	1 - 2" SCH 40 PVC SLEEVE
26 - 50 CONTROL WIRES	2 - 2" SCH 40 PVC SLEEVE

6. CONTRACTOR TO PROVIDE ALL NECESSARY SLEEVING UNDER ROADS, CONCRETE SLABS, ETC.
7. VALVE BOXES TO BE PERMANENTLY BRANDED WITH CONTROLLER LETTER & STATION (EXAMPLES: STATION = A3, QUICK COUPLER = QC) LETTER AND STATION IDENTIFICATION SHALL BE 2 INCH HIGH MIN. VALVE BOXES TO HAVE LOCKING CAPABILITY. VALVE BOXES TO BE LOCATED IN PLANTING BEDS ONLY.
8. CONTRACTOR IS RESPONSIBLE TO VERIFY UTILITY LOCATION, OBTAIN, COORDINATE AND PAY FOR ANY PERMITS AND ALL INSPECTIONS AS REQUIRED.
9. CONTRACTOR RESPONSIBLE FOR POWER CONNECTION, PHONE LINE AND ACTIVATION OF IRRIGATION CONTROLLER(S) PRIOR TO SUBSTANTIAL COMPLETION.
10. CONTRACTOR TO PROVIDE POSITIVE DRAINAGE AWAY FROM ALL STRUCTURES, WALLS, AND ON ALL SIDEWALKS ACCORDING TO ALL CODES, REGULATIONS, AND REQUIREMENTS.
11. IF PIPING CROSSES PORTIONS OF ROADWAY NOT BEING IMPACTED BY CONSTRUCTION CONTRACTOR IS TO SAW CUT AND PATCH ASPHALT WHERE NECESSARY IN ORDER TO INSTALL PIPE AS SHOWN ON PLANS.
12. ALL WIRE SHALL BE SPLICED IN VALVE BOXES OR PULL BOXES ONLY.
13. VALVE BOXES SHALL BE CONCRETE WITH STEEL LID.
14. CONTRACTOR TO LOCATE AND INSTALL ONE ET GAUGE WITH STAINLESS STEEL HOUSING NEXT TO EACH IRRIGATION CONTROLLER AS SHOWN ON PLANS. CONTRACTOR TO MAKE FINAL CONNECTIONS TO CONTROLLER AS REQUIRED.
15. PRESSURE REDUCING VALVES ARE REQUIRED TO BE INSTALLED WHEN THE STATIC WATER PRESSURE IS IN EXCESS OF 80 PSI
16. RPPA'S IN MEDIAN REQUIRE BOLLARDS PER UDACS PLATES 4.8 AND 7.5. SEE LVVWD NORES FOR RPPA'S ON SHEET LN-1.

RECORD DRAWINGS
DATE: 09/12/12

These record drawings have been reviewed based upon information furnished by others. While this information is believed to be reliable, JW Zunino Landscape Architecture cannot assure their accuracy of these record drawings or any errors or omissions that may have been incorporated as a result. Those relying on these record drawings are advised to obtain independent verification of their accuracy before applying it for any purpose



REV. NO.	DATE	DESCRIPTION	APPROVED

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
LANDSCAPE IRRIGATION PLAN

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No:	CB 1083	DRAWN BY:	SEC
DESIGNED BY:	SEC	CHECKED BY:	WTS
APPROVED BY	WTS		

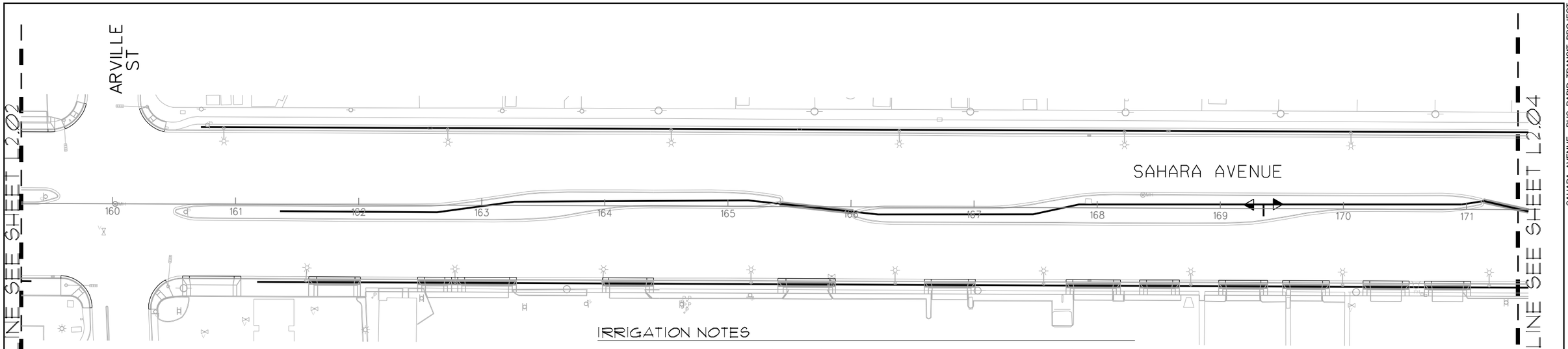
J W ZUNINO LANDSCAPE ARCHITECTURE
LAS VEGAS NV 3191 SLOANES BLVD. | LAS VEGAS, NV 89146 P 702.753.5300 | F 702.251.1010
CARLSBAD CA 2246 FARADAY AVE. | CARLSBAD, CA 92008

SCALE
HORIZ : 1"=40'-0"
VERT : NA
FIELD BOOK : NONE

SHEET No. L2.02

Sheet 229 of 592

XREF :
FILE :



IRRIGATION EQUIPMENT LEGEND

SYMBOL	DESCRIPTION	MANUFACTURER	MODEL	SIZE
PC	POINT OF CONNECTION	SEE CIVIL DRAWINGS		-----
B	BACKFLOW PREVENTER	FEBCO	825 YA	1"
WM	WATER METER	SEE CIVIL DRAWINGS		SEE CIVIL PLANS FOR SIZES AND LOCATION
EXWM	EXISTING WATER METER			CONFIRM LOCATION AND SIZE
	REMOTE CONTROL VALVE W/NYE FILTER & BALL VALVE	RAINBIRD AGRICULTURE PRODUCTS	PEB 4E-I-B-200	SIZE AS PER PLAN 1"
	PRESSURE REDUCING VALVE	SENNINGER	PMR-MF	1.5"
BV	BRONZE GATE VALVE	NIBCO	T-113	SIZE AS PER LINE
A B C D E F G H I J K L M N P Q R S	IRRIGATION CONTROLLER	RAINBIRD	TBOS6CMUS	6 STATIONS
	CONTROLLERS WILL NOT BE ON SITE, SHOWN FOR SEQUENCING ON PLANS.			
▪▪▪▪▪▪	PVC MAINLINE	2" & LARGER	CLASS 315	2"- SIZED FOR POTENTIAL EXPANSION
———	PVC LATERAL LINE	----	SCHEDULE 40	1.5"
NOT SHOWN	PVC FLEXIBLE TUBING SEE DETAIL 'L' ON L3.01	SALCO	PVC AR-050	1/2" I.D.
NOT SHOWN	EMITTER	BOWSMITH	SL220	SEE EMITTER SCHEDULE
▬▬▬	SLEEVE UNDER PAVED AREAS	-----	SCHEDULE 40	SEE NOTE #5

ID / SIZE — GPM / TYPE
- IRRIGATION CONTROLLER
- FLOW IN GPM
- PLANT MATERIAL
- VALVE SIZE

EMITTER SCHEDULE

PLANT SIZE	G.P.H.	QTY.	EMITTER	MANUFACTURER
36" BOX	16	8	SL220	BOWSMITH
24" BOX	16	8	SL220	BOWSMITH

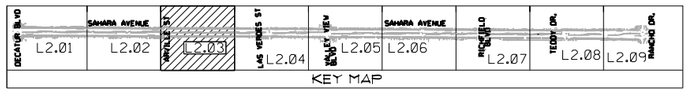
IRRIGATION NOTES

1. THE CONTRACTOR SHALL VERIFY THE STATIC PRESSURE AT THE POINT OF CONNECTION AND MAKE FINAL CONNECTIONS ALLOWING FOR ANY POSSIBLE DEVIATIONS FROM LOCATION SHOWN ON PLANS DUE TO SITE CONDITIONS. ANY DEVIATIONS FROM THE DESIGN SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE.
2. THE IRRIGATION PLAN IS DRAWN FOR GRAPHIC CLARITY, WHERE PIPING AND VALVES ARE SHOWN IN CONCRETE AREAS, THE INTENT IS FOR THE PIPING AND VALVES TO BE PLACED IN THE ADJACENT PLANTING AREAS, EXCEPT WHERE SLEEVES ARE REQUIRED. PLACE ALL VALVE BOXES IN SHRUB BEDS.
3. SEE CIVIL DRAWINGS FOR LOCATION OF POINT OF CONNECTION, METER SIZE, ETC.
4. BACKFLOW PREVENTER(S) TO BE IN COMPLIANCE WITH THE LAS VEGAS VALLEY WATER DISTRICT STANDARDS, CODES, AND REGULATIONS (LVVWD PLATE NO. 11).
5. INSTALL SLEEVING BASED ON THE SIZING GUIDE BELOW:

PIPE SIZE	REQUIRED SLEEVING
2 1/2" TO 3" PVC	1 - 6" SCH 40 PVC SLEEVE
1 1/4" TO 2" PVC	1 - 4" SCH 40 PVC SLEEVE
3/4" TO 1" PVC	1 - 2" SCH 40 PVC SLEEVE

WIRE QUANTITY	REQUIRED SLEEVING
1 - 25 CONTROL WIRES	1 - 2" SCH 40 PVC SLEEVE
26 - 50 CONTROL WIRES	2 - 2" SCH 40 PVC SLEEVE

6. CONTRACTOR TO PROVIDE ALL NECESSARY SLEEVING UNDER ROADS, CONCRETE SLABS, ETC.
7. VALVE BOXES TO BE PERMANENTLY BRANDED WITH CONTROLLER LETTER & STATION (EXAMPLES: STATION = A3, QUICK COUPLER = QC) LETTER AND STATION IDENTIFICATION SHALL BE 2 INCH HIGH MIN. VALVE BOXES TO HAVE LOCKING CAPABILITY. VALVE BOXES TO BE LOCATED IN PLANTING BEDS ONLY.
8. CONTRACTOR IS RESPONSIBLE TO VERIFY UTILITY LOCATION, OBTAIN, COORDINATE AND PAY FOR ANY PERMITS AND ALL INSPECTIONS AS REQUIRED.
9. CONTRACTOR RESPONSIBLE FOR POWER CONNECTION, PHONE LINE AND ACTIVATION OF IRRIGATION CONTROLLER(S) PRIOR TO SUBSTANTIAL COMPLETION.
10. CONTRACTOR TO PROVIDE POSITIVE DRAINAGE AWAY FROM ALL STRUCTURES, WALLS, AND ON ALL SIDEWALKS ACCORDING TO ALL CODES, REGULATIONS, AND REQUIREMENTS.
11. IF PIPING CROSSES PORTIONS OF ROADWAY NOT BEING IMPACTED BY CONSTRUCTION CONTRACTOR IS TO SAW CUT AND PATCH ASPHALT WHERE NECESSARY IN ORDER TO INSTALL PIPE AS SHOWN ON PLANS.
12. ALL WIRE SHALL BE SPLICED IN VALVE BOXES OR PULL BOXES ONLY.
13. VALVE BOXES SHALL BE CONCRETE WITH STEEL LID.
14. CONTRACTOR TO LOCATE AND INSTALL ONE ET GAUGE WITH STAINLESS STEEL HOUSING NEXT TO EACH IRRIGATION CONTROLLER AS SHOWN ON PLANS. CONTRACTOR TO MAKE FINAL CONNECTIONS TO CONTROLLER AS REQUIRED.
15. PRESSURE REDUCING VALVES ARE REQUIRED TO BE INSTALLED WHEN THE STATIC WATER PRESSURE IS IN EXCESS OF 80 PSI
16. RPPA'S IN MEDIAN REQUIRE BOLLARDS PER UDACS PLATES 4.8 AND 75. SEE LVVWD NORES FOR RPPA'S ON SHEET UN-1.



RECORD DRAWINGS
DATE: 09/12/12

These record drawings have been reviewed based upon information furnished by others. While this information is believed to be reliable, JW Zunino Landscape Architecture cannot assure their accuracy of these record drawings or any errors or omissions that may have been incorporated as a result. Those relying on these record drawings are advised to obtain independent verification of their accuracy before applying it for any purpose

0 40' 80' 120'
SCALE: 1" = 40'-0"

NORTH

AVOID HITTING OVERHEAD UTILITY LINES. IT'S ODD'LY. Call before you OVERHEAD 1-702-402-2929 NEVADA POWER (ENVIRONMENT AND SAFETY SERVICES DEPARTMENT)

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S ODD'LY. Call before you Dig. 811 UNDERGROUND SERVICE ALERT (USA)

REV. NO.	DATE	DESCRIPTION	APPROVED

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
LANDSCAPE IRRIGATION PLAN

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: SEC
DESIGNED BY: SEC CHECKED BY: WTS
APPROVED BY WTS

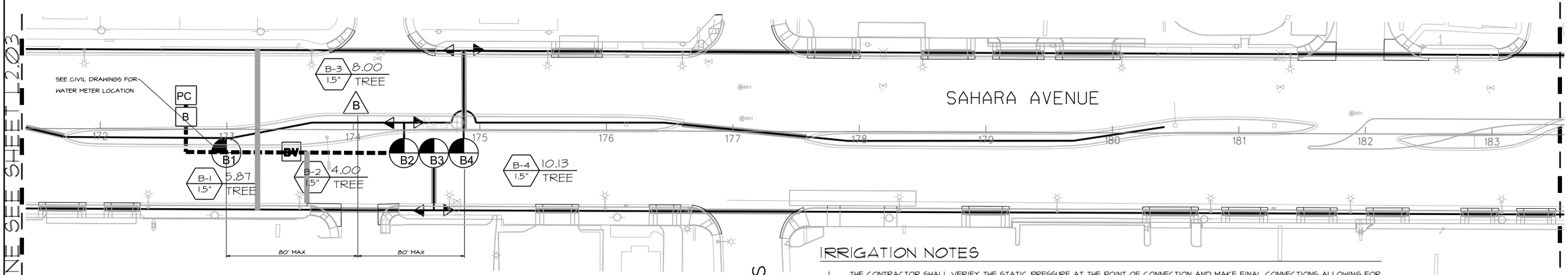
JW ZUNINO LANDSCAPE ARCHITECTURE
LAS VEGAS NV 3191 SLOWER BLVD I LAS VEGAS, NV 89146 P 702.253.9300 F 702.253.1010
CARLSBAD CA 2248 FARADAY AVE. I CARLSBAD, CA 92008

SCALE
HORIZ : 1"=40'-0"
VERT : NA
FIELD BOOK :
NONE

SHEET No. L2.03

Sheet 230 of 592

XREF :
FILE :



IRRIGATION EQUIPMENT LEGEND

SYMBOL	DESCRIPTION	MANUFACTURER	MODEL	SIZE
PC	POINT OF CONNECTION	SEE CIVIL DRAWINGS		-----
B	BACKFLOW PREVENTER	FEBCO	825 YA	1"
WM	WATER METER	SEE CIVIL DRAWINGS		SEE CIVIL PLANS FOR SIZES AND LOCATION
EXWM	EXISTING WATER METER			CONFIRM LOCATION AND SIZE
	REMOTE CONTROL VALVE	RAINBIRD	PEB	SIZE AS PER PLAN
F	W/WYE FILTER & BALL VALVE	AGRICULTURE PRODUCTS	4E-1-B-200	1"
	PRESSURE REDUCING VALVE	SENNINGER	PMR-MF	1.5"
BV	BRONZE GATE VALVE	NIBCO	T-113	SIZE AS PER LINE
A B C D	IRRIGATION CONTROLLER	RAINBIRD	TBOS6CMUS	6 STATIONS
E F G H I J K L M N P Q R S	CONTROLLERS WILL NOT BE ON SITE, SHOWN FOR SEQUENCING ON PLANS.			
———	PVC MAINLINE	2" & LARGER	CLASS 315	2"- SIZED FOR POTENTIAL EXPANSION
———	PVC LATERAL LINE	----	SCHEDULE 40	1.5"
NOT SHOWN	PVC FLEXIBLE TUBING SEE DETAIL 'L' ON L3.01	SALCO	PVC AR-050	1/2" I.D.
NOT SHOWN	EMITTER	BOWSMITH	SL220	SEE EMITTER SCHEDULE
▬▬	SLEEVE UNDER PAVED AREAS	-----	SCHEDULE 40	SEE NOTE #5

ID / SIZE — GPM — FLOW IN GPM; TYPE — PLANT MATERIAL; VALVE SIZE — IRRIGATION CONTROLLER

EMITTER SCHEDULE

PLANT SIZE	G.P.H.	QTY.	EMITTER	MANUFACTURER
36" BOX	16	8	SL220	BOWSMITH
24" BOX	16	8	SL220	BOWSMITH

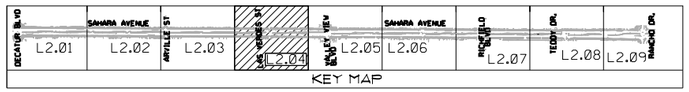
IRRIGATION NOTES

1. THE CONTRACTOR SHALL VERIFY THE STATIC PRESSURE AT THE POINT OF CONNECTION AND MAKE FINAL CONNECTIONS ALLOWING FOR ANY POSSIBLE DEVIATIONS FROM LOCATION SHOWN ON PLANS DUE TO SITE CONDITIONS. ANY DEVIATIONS FROM THE DESIGN SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE.
2. THE IRRIGATION PLAN IS DRAWN FOR GRAPHIC CLARITY, WHERE PIPING AND VALVES ARE SHOWN IN CONCRETE AREAS, THE INTENT IS FOR THE PIPING AND VALVES TO BE PLACED IN THE ADJACENT PLANTING AREAS, EXCEPT WHERE SLEEVES ARE REQUIRED. PLACE ALL VALVE BOXES IN SHRUB BEDS.
3. SEE CIVIL DRAWINGS FOR LOCATION OF POINT OF CONNECTION, METER SIZE, ETC.
4. BACKFLOW PREVENTER(S) TO BE IN COMPLIANCE WITH THE LAS VEGAS VALLEY WATER DISTRICT STANDARDS, CODES, AND REGULATIONS (LVVWD PLATE NO. 11).
5. INSTALL SLEEVING BASED ON THE SIZING GUIDE BELOW:

PIPE SIZE	REQUIRED SLEEVING
2 1/2" TO 3" PVC	1 - 6" SCH 40 PVC SLEEVE
1 1/4" TO 2" PVC	1 - 4" SCH 40 PVC SLEEVE
3/4" TO 1" PVC	1 - 2" SCH 40 PVC SLEEVE

WIRE QUANTITY	REQUIRED SLEEVING
1 - 25 CONTROL WIRES	1 - 2" SCH 40 PVC SLEEVE
26 - 50 CONTROL WIRES	2 - 2" SCH 40 PVC SLEEVE

6. CONTRACTOR TO PROVIDE ALL NECESSARY SLEEVING UNDER ROADS, CONCRETE SLABS, ETC.
7. VALVE BOXES TO BE PERMANENTLY BRANDED WITH CONTROLLER LETTER & STATION (EXAMPLES: STATION = A3, QUICK COUPLER = QC) LETTER AND STATION IDENTIFICATION SHALL BE 2 INCH HIGH MIN. VALVE BOXES TO HAVE LOCKING CAPABILITY. VALVE BOXES TO BE LOCATED IN PLANTING BEDS ONLY.
8. CONTRACTOR IS RESPONSIBLE TO VERIFY UTILITY LOCATION, OBTAIN, COORDINATE AND PAY FOR ANY PERMITS AND ALL INSPECTIONS AS REQUIRED.
9. CONTRACTOR RESPONSIBLE FOR POWER CONNECTION, PHONE LINE AND ACTIVATION OF IRRIGATION CONTROLLER(S) PRIOR TO SUBSTANTIAL COMPLETION.
10. CONTRACTOR TO PROVIDE POSITIVE DRAINAGE AWAY FROM ALL STRUCTURES, WALLS, AND ON ALL SIDEWALKS ACCORDING TO ALL CODES, REGULATIONS, AND REQUIREMENTS.
11. IF PIPING CROSSES PORTIONS OF ROADWAY NOT BEING IMPACTED BY CONSTRUCTION CONTRACTOR IS TO SAW CUT AND PATCH ASPHALT WHERE NECESSARY IN ORDER TO INSTALL PIPE AS SHOWN ON PLANS.
12. ALL WIRE SHALL BE SPLICED IN VALVE BOXES OR PULL BOXES ONLY.
13. VALVE BOXES SHALL BE CONCRETE WITH STEEL LID.
14. CONTRACTOR TO LOCATE AND INSTALL ONE ET GAUGE WITH STAINLESS STEEL HOUSING NEXT TO EACH IRRIGATION CONTROLLER AS SHOWN ON PLANS. CONTRACTOR TO MAKE FINAL CONNECTIONS TO CONTROLLER AS REQUIRED.
15. PRESSURE REDUCING VALVES ARE REQUIRED TO BE INSTALLED WHEN THE STATIC WATER PRESSURE IS IN EXCESS OF 80 PSI
16. RPPA'S IN MEDIAN REQUIRE BOLLARDS PER UDACS PLATES 4.8 AND 15. SEE LVVWD NORES FOR RPPA'S ON SHEET UN-1.



RECORD DRAWINGS
DATE: 09/12/12

These record drawings have been reviewed based upon information furnished by others. While this information is believed to be reliable, JW Zunino Landscape Architecture cannot assure their accuracy of these record drawings or any errors or omissions that may have been incorporated as a result. Those relying on these record drawings are advised to obtain independent verification of their accuracy before applying it for any purpose

REV. NO.	DATE	DESCRIPTION	APPROVED

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
LANDSCAPE IRRIGATION PLAN

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No:	CB 1083	DRAWN BY:	SEC
DESIGNED BY:	SEC	CHECKED BY:	WTS
APPROVED BY	WTS		

J W ZUNINO LANDSCAPE ARCHITECTURE
LAS VEGAS NV 3191 SUCCESS BLVD | LAS VEGAS, NV 89146 P 702.753.2100 | F 702.293.1010
CARLSBAD CA 2246 FARADAY AVE. | CARLSBAD, CA 92008

SCALE
HORIZ : 1"=40'-0"
VERT : NA
FIELD BOOK : NONE

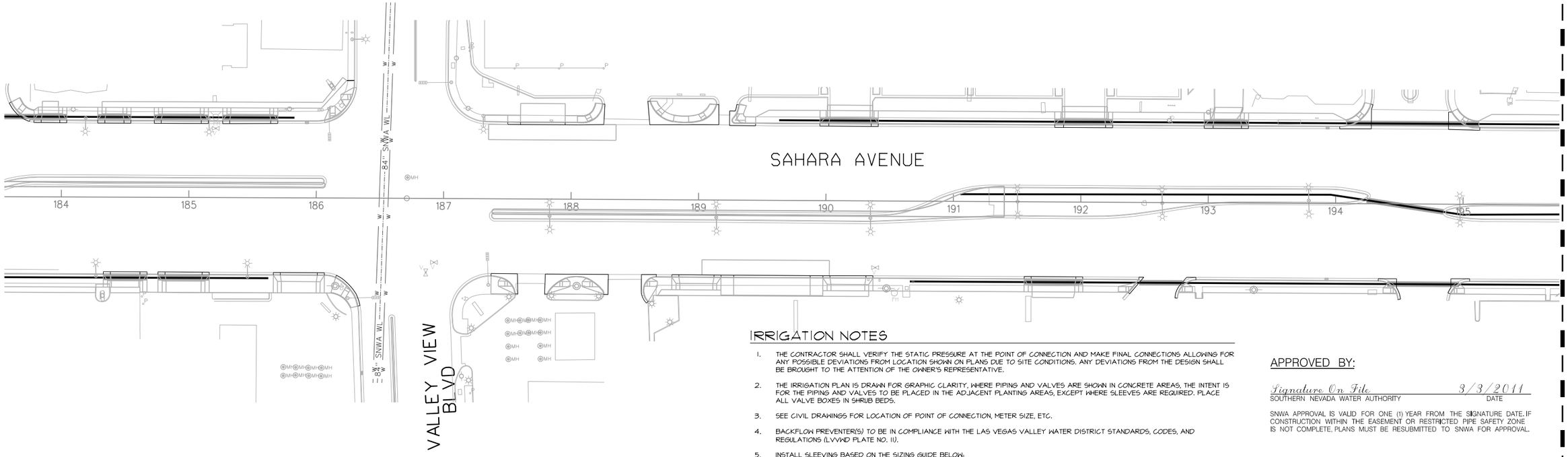
SHEET No. L2.04

Sheet 231 of 592

XREF :
FILE :

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS-BUILT - 05.31.2012



IRRIGATION EQUIPMENT LEGEND

SYMBOL	DESCRIPTION	MANUFACTURER	MODEL	SIZE
PC	POINT OF CONNECTION	SEE CIVIL DRAWINGS		-----
B	BACKFLOW PREVENTER	FEBCO	825 YA	1"
WM	WATER METER	SEE CIVIL DRAWINGS		SEE CIVIL PLANS FOR SIZES AND LOCATION
EXWM	EXISTING WATER METER			CONFIRM LOCATION AND SIZE
	REMOTE CONTROL VALVE W/WYE FILTER & BALL VALVE	RAINBIRD AGRICULTURE PRODUCTS	PEB 4E-1-B-200	SIZE AS PER PLAN 1"
	PRESSURE REDUCING VALVE	SENNINGER	PMR-MF	1.5"
BV	BRONZE GATE VALVE	NIBCO	T-113	SIZE AS PER LINE
A B C D E F G H I J K L M N P Q R S	IRRIGATION CONTROLLER	RAINBIRD	TBOS6CMUS	6 STATIONS
	CONTROLLERS WILL NOT BE ON SITE, SHOWN FOR SEQUENCING ON PLANS.			
	PVC MAINLINE	2" & LARGER	CLASS 315	2"- SIZED FOR POTENTIAL EXPANSION
	PVC LATERAL LINE	----	SCHEDULE 40	1.5"
NOT SHOWN	PVC FLEXIBLE TUBING SEE DETAIL 'L' ON L3.01	SALCO	PVC AR-050	1/2" I.D.
NOT SHOWN	EMITTER	BOWSMITH	SL220	SEE EMITTER SCHEDULE
	SLEEVE UNDER PAVED AREAS	-----	SCHEDULE 40	SEE NOTE #5

ID SIZE — IRRIGATION CONTROLLER
GPM — FLOW IN GPM
TYPE — PLANT MATERIAL
VALVE SIZE

EMITTER SCHEDULE

PLANT SIZE	G.P.H.	QTY.	EMITTER	MANUFACTURER
36" BOX	16	8	SL220	BOWSMITH
24" BOX	16	8	SL220	BOWSMITH

IRRIGATION NOTES

1. THE CONTRACTOR SHALL VERIFY THE STATIC PRESSURE AT THE POINT OF CONNECTION AND MAKE FINAL CONNECTIONS ALLOWING FOR ANY POSSIBLE DEVIATIONS FROM LOCATION SHOWN ON PLANS DUE TO SITE CONDITIONS. ANY DEVIATIONS FROM THE DESIGN SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE.
2. THE IRRIGATION PLAN IS DRAWN FOR GRAPHIC CLARITY, WHERE PIPING AND VALVES ARE SHOWN IN CONCRETE AREAS, THE INTENT IS FOR THE PIPING AND VALVES TO BE PLACED IN THE ADJACENT PLANTING AREAS, EXCEPT WHERE SLEEVES ARE REQUIRED. PLACE ALL VALVE BOXES IN SHRUB BEDS.
3. SEE CIVIL DRAWINGS FOR LOCATION OF POINT OF CONNECTION, METER SIZE, ETC.
4. BACKFLOW PREVENTER(S) TO BE IN COMPLIANCE WITH THE LAS VEGAS VALLEY WATER DISTRICT STANDARDS, CODES, AND REGULATIONS (LVVWD PLATE NO. 11).
5. INSTALL SLEEVING BASED ON THE SIZING GUIDE BELOW:

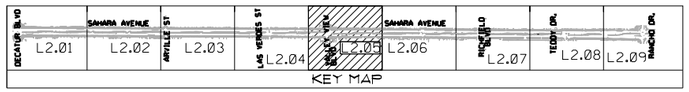
PIPE SIZE	REQUIRED SLEEVING
2 1/2" TO 3" PVC	1 - 6" SCH 40 PVC SLEEVE
1 1/4" TO 2" PVC	1 - 4" SCH 40 PVC SLEEVE
3/4" TO 1" PVC	1 - 2" SCH 40 PVC SLEEVE
WIRE QUANTITY	**REQUIRED SLEEVING**
1 - 25 CONTROL WIRES	1 - 2" SCH 40 PVC SLEEVE
26 - 50 CONTROL WIRES	2 - 2" SCH 40 PVC SLEEVE

6. CONTRACTOR TO PROVIDE ALL NECESSARY SLEEVING UNDER ROADS, CONCRETE SLABS, ETC.
7. VALVE BOXES TO BE PERMANENTLY BRANDED WITH CONTROLLER LETTER & STATION (EXAMPLES: STATION = A3, QUICK COUPLER = QC) LETTER AND STATION IDENTIFICATION SHALL BE 2 INCH HIGH MIN. VALVE BOXES TO HAVE LOCKING CAPABILITY. VALVE BOXES TO BE LOCATED IN PLANTING BEDS ONLY.
8. CONTRACTOR IS RESPONSIBLE TO VERIFY UTILITY LOCATION, OBTAIN, COORDINATE AND PAY FOR ANY PERMITS AND ALL INSPECTIONS AS REQUIRED.
9. CONTRACTOR RESPONSIBLE FOR POWER CONNECTION, PHONE LINE AND ACTIVATION OF IRRIGATION CONTROLLER(S) PRIOR TO SUBSTANTIAL COMPLETION.
10. CONTRACTOR TO PROVIDE POSITIVE DRAINAGE AWAY FROM ALL STRUCTURES, WALLS, AND ON ALL SIDEWALKS ACCORDING TO ALL CODES, REGULATIONS, AND REQUIREMENTS.
11. IF PIPING CROSSES PORTIONS OF ROADWAY NOT BEING IMPACTED BY CONSTRUCTION CONTRACTOR IS TO SAW CUT AND PATCH ASPHALT WHERE NECESSARY IN ORDER TO INSTALL PIPE AS SHOWN ON PLANS.
12. ALL WIRE SHALL BE SPLICED IN VALVE BOXES OR PULL BOXES ONLY.
13. VALVE BOXES SHALL BE CONCRETE WITH STEEL LID.
14. CONTRACTOR TO LOCATE AND INSTALL ONE ET GAUGE WITH STAINLESS STEEL HOUSING NEXT TO EACH IRRIGATION CONTROLLER AS SHOWN ON PLANS. CONTRACTOR TO MAKE FINAL CONNECTIONS TO CONTROLLER AS REQUIRED.
15. PRESSURE REDUCING VALVES ARE REQUIRED TO BE INSTALLED WHEN THE STATIC WATER PRESSURE IS IN EXCESS OF 80 PSI
16. RPPA'S IN MEDIAN REQUIRE BOLLARDS PER UDACS PLATES 4.8 AND 7.5. SEE LVVWD NORES FOR RPPA'S ON SHEET UN-1.

APPROVED BY:

Signature On File — 3/3/2011
SOUTHERN NEVADA WATER AUTHORITY — DATE

SNWA APPROVAL IS VALID FOR ONE (1) YEAR FROM THE SIGNATURE DATE. IF CONSTRUCTION WITHIN THE EASEMENT OR RESTRICTED PIPE SAFETY ZONE IS NOT COMPLETE, PLANS MUST BE RESUBMITTED TO SNWA FOR APPROVAL.



RECORD DRAWINGS
DATE: 09/12/12

These record drawings have been reviewed based upon information furnished by others. While this information is believed to be reliable, JW Zunino Landscape Architecture cannot assure their accuracy of these record drawings or any errors or omissions that may have been incorporated as a result. Those relying on these record drawings are advised to obtain independent verification of their accuracy before applying it for any purpose

REV. NO.	DATE	DESCRIPTION	APPROVED

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
LANDSCAPE IRRIGATION PLAN

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No:	CB 1083	DRAWN BY:	SEC
DESIGNED BY:	SEC	CHECKED BY:	WTS
APPROVED BY	WTS		

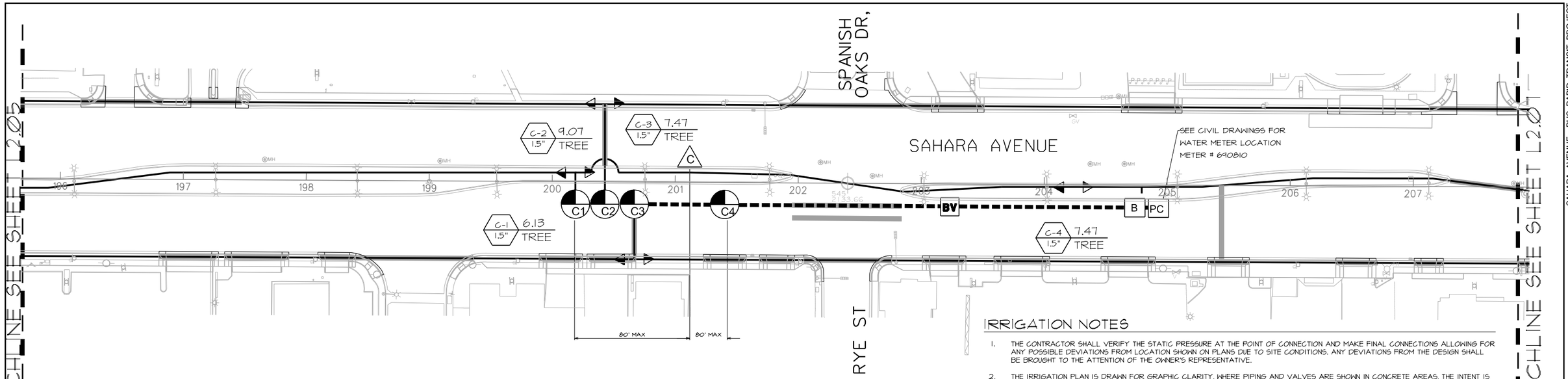
JW ZUNINO LANDSCAPE ARCHITECTURE
LAS VEGAS, NV — 3131 DUQUES BLVD. | LAS VEGAS, NV 89146 | T 702.353.3300 | F 702.353.3333
CARLSBAD, CA — 2240 FARADAY AVE. | CARLSBAD, CA 92008

SCALE
HORIZ: 1"=40'-0"
VERT: NA
FIELD BOOK: NONE

SHEET No. L2.05

Sheet 232 of 592

XREF :
FILE :



IRRIGATION EQUIPMENT LEGEND

SYMBOL	DESCRIPTION	MANUFACTURER	MODEL	SIZE
PC	POINT OF CONNECTION	SEE CIVIL DRAWINGS		-----
B	BACKFLOW PREVENTER	FEBCO	825 YA	1"
WM	WATER METER	SEE CIVIL DRAWINGS		SEE CIVIL PLANS FOR SIZES AND LOCATION
EXWM	EXISTING WATER METER			CONFIRM LOCATION AND SIZE
	REMOTE CONTROL VALVE W/WYE FILTER & BALL VALVE	RAINBIRD AGRICULTURE PRODUCTS	PEB 4E-1-B-200	SIZE AS PER PLAN 1"
	PRESSURE REDUCING VALVE	SENNINGER	PMR-MF	1.5"
BV	BRONZE GATE VALVE	NIBCO	T-113	SIZE AS PER LINE
A B C D	IRRIGATION CONTROLLER	RAINBIRD	TBOS6CMUS	6 STATIONS
E F G H I J K L M N P Q R S	CONTROLLERS WILL NOT BE ON SITE, SHOWN FOR SEQUENCING ON PLANS.			
▮▮▮▮▮▮	PVC MAINLINE	2" & LARGER	CLASS 315	2"- SIZED FOR POTENTIAL EXPANSION
———	PVC LATERAL LINE	----	SCHEDULE 40	1.5"
NOT SHOWN	PVC FLEXIBLE TUBING SEE DETAIL 'L' ON L3.01	SALCO	PVC AR-050	1/2" I.D.
NOT SHOWN	EMITTER	BOWSMITH	SL220	SEE EMITTER SCHEDULE
▬▬	SLEEVE UNDER PAVED AREAS	-----	SCHEDULE 40	SEE NOTE #5

ID SIZE — IRRIGATION CONTROLLER
GPM — FLOW IN GPM
TYPE — PLANT MATERIAL
VALVE SIZE

EMITTER SCHEDULE

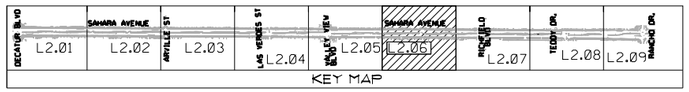
PLANT SIZE	G.P.H.	QTY.	EMITTER	MANUFACTURER
36" BOX	16	8	SL220	BOWSMITH
24" BOX	16	8	SL220	BOWSMITH

IRRIGATION NOTES

1. THE CONTRACTOR SHALL VERIFY THE STATIC PRESSURE AT THE POINT OF CONNECTION AND MAKE FINAL CONNECTIONS ALLOWING FOR ANY POSSIBLE DEVIATIONS FROM LOCATION SHOWN ON PLANS DUE TO SITE CONDITIONS. ANY DEVIATIONS FROM THE DESIGN SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE.
2. THE IRRIGATION PLAN IS DRAWN FOR GRAPHIC CLARITY, WHERE PIPING AND VALVES ARE SHOWN IN CONCRETE AREAS, THE INTENT IS FOR THE PIPING AND VALVES TO BE PLACED IN THE ADJACENT PLANTING AREAS, EXCEPT WHERE SLEEVES ARE REQUIRED. PLACE ALL VALVE BOXES IN SHRUB BEDS.
3. SEE CIVIL DRAWINGS FOR LOCATION OF POINT OF CONNECTION, METER SIZE, ETC.
4. BACKFLOW PREVENTER(S) TO BE IN COMPLIANCE WITH THE LAS VEGAS VALLEY WATER DISTRICT STANDARDS, CODES, AND REGULATIONS (LVVWD PLATE NO. 11).
5. INSTALL SLEEVING BASED ON THE SIZING GUIDE BELOW:

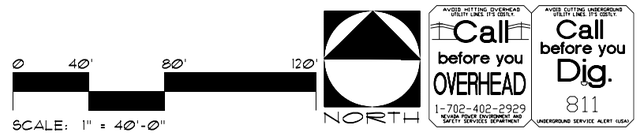
PIPE SIZE	REQUIRED SLEEVING
2 1/2" TO 3" PVC	1 - 6" SCH 40 PVC SLEEVE
1 1/4" TO 2" PVC	1 - 4" SCH 40 PVC SLEEVE
3/4" TO 1" PVC	1 - 2" SCH 40 PVC SLEEVE
WIRE QUANTITY	**REQUIRED SLEEVING**
1 - 25 CONTROL WIRES	1 - 2" SCH 40 PVC SLEEVE
26 - 50 CONTROL WIRES	2 - 2" SCH 40 PVC SLEEVE

6. CONTRACTOR TO PROVIDE ALL NECESSARY SLEEVING UNDER ROADS, CONCRETE SLABS, ETC.
7. VALVE BOXES TO BE PERMANENTLY BRANDED WITH CONTROLLER LETTER & STATION (EXAMPLES: STATION = A3, QUICK COUPLER = QC) LETTER AND STATION IDENTIFICATION SHALL BE 2 INCH HIGH MIN. VALVE BOXES TO HAVE LOCKING CAPABILITY. VALVE BOXES TO BE LOCATED IN PLANTING BEDS ONLY.
8. CONTRACTOR IS RESPONSIBLE TO VERIFY UTILITY LOCATION, OBTAIN, COORDINATE AND PAY FOR ANY PERMITS AND ALL INSPECTIONS AS REQUIRED.
9. CONTRACTOR RESPONSIBLE FOR POWER CONNECTION, PHONE LINE AND ACTIVATION OF IRRIGATION CONTROLLER(S) PRIOR TO SUBSTANTIAL COMPLETION.
10. CONTRACTOR TO PROVIDE POSITIVE DRAINAGE AWAY FROM ALL STRUCTURES, WALLS, AND ON ALL SIDEWALKS ACCORDING TO ALL CODES, REGULATIONS, AND REQUIREMENTS.
11. IF PIPING CROSSES PORTIONS OF ROADWAY NOT BEING IMPACTED BY CONSTRUCTION CONTRACTOR IS TO SAW CUT AND PATCH ASPHALT WHERE NECESSARY IN ORDER TO INSTALL PIPE AS SHOWN ON PLANS.
12. ALL WIRE SHALL BE SPLICED IN VALVE BOXES OR PULL BOXES ONLY.
13. VALVE BOXES SHALL BE CONCRETE WITH STEEL LID.
14. CONTRACTOR TO LOCATE AND INSTALL ONE ET GAUGE WITH STAINLESS STEEL HOUSING NEXT TO EACH IRRIGATION CONTROLLER AS SHOWN ON PLANS. CONTRACTOR TO MAKE FINAL CONNECTIONS TO CONTROLLER AS REQUIRED.
15. PRESSURE REDUCING VALVES ARE REQUIRED TO BE INSTALLED WHEN THE STATIC WATER PRESSURE IS IN EXCESS OF 80 PSI
16. RPPA'S IN MEDIAN REQUIRE BOLLARDS PER UDACS PLATES 4.8 AND 75. SEE LVVWD NORES FOR RPPA'S ON SHEET UN-1.



RECORD DRAWINGS
DATE: 09/12/12

These record drawings have been reviewed based upon information furnished by others. While this information is believed to be reliable, JW Zunino Landscape Architecture cannot assure their accuracy of these record drawings or any errors or omissions that may have been incorporated as a result. Those relying on these record drawings are advised to obtain independent verification of their accuracy before applying it for any purpose



REV. NO.	DATE	DESCRIPTION	APPROVED

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
LANDSCAPE IRRIGATION PLAN

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: SEC
DESIGNED BY: SEC CHECKED BY: WTS
APPROVED BY WTS

JW ZUNINO LANDSCAPE ARCHITECTURE
LAS VEGAS NV
3191 SLOANES BLVD | LAS VEGAS, NV 89146
P 702.792.9398 | F 702.792.1919
CARLSBAD CA
2246 FARADAY AVE. | CARLSBAD, CA 92008

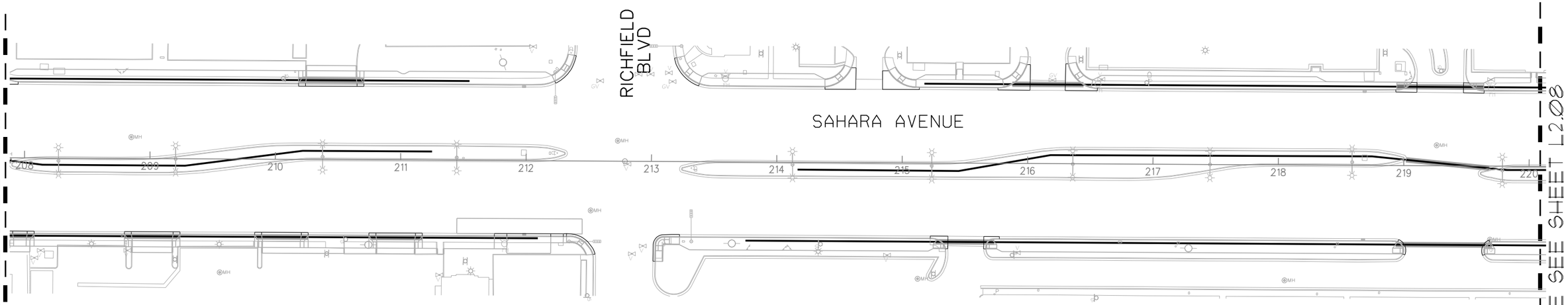
SCALE
HORIZ: 1"=40'-0"
VERT: NA
FIELD BOOK:
NONE

SHEET No.
L2.06
Sheet 233 of 592

XREF :
FILE :

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS-BUILT - 05.31.2012



IRRIGATION EQUIPMENT LEGEND

SYMBOL	DESCRIPTION	MANUFACTURER	MODEL	SIZE
PC	POINT OF CONNECTION	SEE CIVIL DRAWINGS		-----
B	BACKFLOW PREVENTER	FEBCO	825 YA	1"
WM	WATER METER	SEE CIVIL DRAWINGS		SEE CIVIL PLANS FOR SIZES AND LOCATION
EXWM	EXISTING WATER METER			CONFIRM LOCATION AND SIZE
F	REMOTE CONTROL VALVE W/WYE FILTER & BALL VALVE	RAINBIRD AGRICULTURE PRODUCTS	PEB 4E-1-B-200	SIZE AS PER PLAN 1"
	PRESSURE REDUCING VALVE	SENNINGER	PMR-MF	1.5"
BV	BRONZE GATE VALVE	NIBCO	T-113	SIZE AS PER LINE
A B C D	IRRIGATION CONTROLLER	RAINBIRD	TBOS6CMUS	6 STATIONS
E F G H I J K L M N P Q R S	CONTROLLERS WILL NOT BE ON SITE, SHOWN FOR SEQUENCING ON PLANS.			
▪▪▪▪▪▪	PVC MAINLINE	2" & LARGER	CLASS 315	2"- SIZED FOR POTENTIAL EXPANSION
———	PVC LATERAL LINE	----	SCHEDULE 40	1.5"
NOT SHOWN	PVC FLEXIBLE TUBING SEE DETAIL 'L' ON L3.01	SALCO	PVC AR-050	1/2" I.D.
NOT SHOWN	EMITTER	BOWSMITH	SL220	SEE EMITTER SCHEDULE
▬▬▬	SLEEVE UNDER PAVED AREAS	-----	SCHEDULE 40	SEE NOTE #5

ID — IRRIGATION CONTROLLER
GPM — FLOW IN GPM
SIZE — VALVE SIZE
TYPE — PLANT MATERIAL

EMITTER SCHEDULE

PLANT SIZE	G.P.H.	QTY.	EMITTER	MANUFACTURER
36" BOX	16	8	SL220	BOWSMITH
24" BOX	16	8	SL220	BOWSMITH

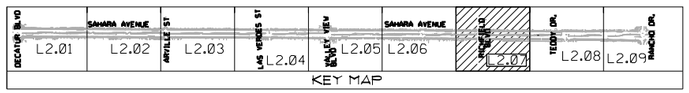
IRRIGATION NOTES

1. THE CONTRACTOR SHALL VERIFY THE STATIC PRESSURE AT THE POINT OF CONNECTION AND MAKE FINAL CONNECTIONS ALLOWING FOR ANY POSSIBLE DEVIATIONS FROM LOCATION SHOWN ON PLANS DUE TO SITE CONDITIONS. ANY DEVIATIONS FROM THE DESIGN SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE.
2. THE IRRIGATION PLAN IS DRAWN FOR GRAPHIC CLARITY, WHERE PIPING AND VALVES ARE SHOWN IN CONCRETE AREAS, THE INTENT IS FOR THE PIPING AND VALVES TO BE PLACED IN THE ADJACENT PLANTING AREAS, EXCEPT WHERE SLEEVES ARE REQUIRED. PLACE ALL VALVE BOXES IN SHRUB BEDS.
3. SEE CIVIL DRAWINGS FOR LOCATION OF POINT OF CONNECTION, METER SIZE, ETC.
4. BACKFLOW PREVENTER(S) TO BE IN COMPLIANCE WITH THE LAS VEGAS VALLEY WATER DISTRICT STANDARDS, CODES, AND REGULATIONS (LVVWD PLATE NO. 11).
5. INSTALL SLEEVING BASED ON THE SIZING GUIDE BELOW:

PIPE SIZE	REQUIRED SLEEVING
2 1/2" TO 3" PVC	1 - 6" SCH 40 PVC SLEEVE
1 1/4" TO 2" PVC	1 - 4" SCH 40 PVC SLEEVE
3/4" TO 1" PVC	1 - 2" SCH 40 PVC SLEEVE

WIRE QUANTITY	REQUIRED SLEEVING
1 - 25 CONTROL WIRES	1 - 2" SCH 40 PVC SLEEVE
26 - 50 CONTROL WIRES	2 - 2" SCH 40 PVC SLEEVE

6. CONTRACTOR TO PROVIDE ALL NECESSARY SLEEVING UNDER ROADS, CONCRETE SLABS, ETC.
7. VALVE BOXES TO BE PERMANENTLY BRANDED WITH CONTROLLER LETTER & STATION (EXAMPLES: STATION = A3, QUICK COUPLER = QC) LETTER AND STATION IDENTIFICATION SHALL BE 2 INCH HIGH MIN. VALVE BOXES TO HAVE LOCKING CAPABILITY. VALVE BOXES TO BE LOCATED IN PLANTING BEDS ONLY.
8. CONTRACTOR IS RESPONSIBLE TO VERIFY UTILITY LOCATION, OBTAIN, COORDINATE AND PAY FOR ANY PERMITS AND ALL INSPECTIONS AS REQUIRED.
9. CONTRACTOR RESPONSIBLE FOR POWER CONNECTION, PHONE LINE AND ACTIVATION OF IRRIGATION CONTROLLER(S) PRIOR TO SUBSTANTIAL COMPLETION.
10. CONTRACTOR TO PROVIDE POSITIVE DRAINAGE AWAY FROM ALL STRUCTURES, WALLS, AND ON ALL SIDEWALKS ACCORDING TO ALL CODES, REGULATIONS, AND REQUIREMENTS.
11. IF PIPING CROSSES PORTIONS OF ROADWAY NOT BEING IMPACTED BY CONSTRUCTION CONTRACTOR IS TO SAW CUT AND PATCH ASPHALT WHERE NECESSARY IN ORDER TO INSTALL PIPE AS SHOWN ON PLANS.
12. ALL WIRE SHALL BE SPLICED IN VALVE BOXES OR PULL BOXES ONLY.
13. VALVE BOXES SHALL BE CONCRETE WITH STEEL LID.
14. CONTRACTOR TO LOCATE AND INSTALL ONE ET GAUGE WITH STAINLESS STEEL HOUSING NEXT TO EACH IRRIGATION CONTROLLER AS SHOWN ON PLANS. CONTRACTOR TO MAKE FINAL CONNECTIONS TO CONTROLLER AS REQUIRED.
15. PRESSURE REDUCING VALVES ARE REQUIRED TO BE INSTALLED WHEN THE STATIC WATER PRESSURE IS IN EXCESS OF 80 PSI
16. RPPA'S IN MEDIAN REQUIRE BOLLARDS PER UDACS PLATES 4.8 AND 7.5. SEE LVVWD NORES FOR RPPA'S ON SHEET UN-1.



RECORD DRAWINGS
DATE: 09/12/12

These record drawings have been reviewed based upon information furnished by others. While this information is believed to be reliable, JW Zunino Landscape Architecture cannot assure their accuracy of these record drawings or any errors or omissions that may have been incorporated as a result. Those relying on these record drawings are advised to obtain independent verification of their accuracy before applying it for any purpose

REV. NO.	DATE	DESCRIPTION	APPROVED

XREF :
FILE :

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
LANDSCAPE IRRIGATION PLAN

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No:	CB 1083	DRAWN BY:	SEC
DESIGNED BY:	SEC	CHECKED BY:	WTS
APPROVED BY	WTS		

LAS VEGAS NV
3191 SLOANES BLVD | LAS VEGAS, NV 89146
T 702.253.2200 | F 702.253.1410
CARLSBAD CA
2249 FARADAY AVE. | CARLSBAD, CA 92008
JW ZUNINO
LANDSCAPE ARCHITECTURE

SCALE
HORIZ : 1"=40'-0"
VERT : NA

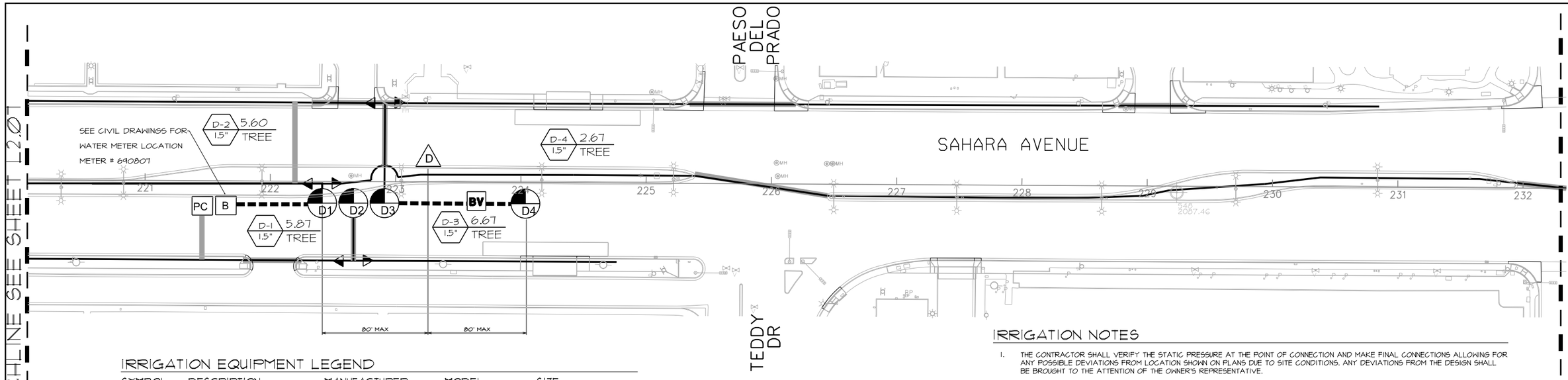
FIELD BOOK :
NONE

SHEET No.
L2.07

Sheet 234 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS-BUILT - 05.31.2012



IRRIGATION EQUIPMENT LEGEND

SYMBOL	DESCRIPTION	MANUFACTURER	MODEL	SIZE
PC	POINT OF CONNECTION	SEE CIVIL DRAWINGS		-----
B	BACKFLOW PREVENTER	FEBCO	825 YA	1"
WM	WATER METER	SEE CIVIL DRAWINGS		SEE CIVIL PLANS FOR SIZES AND LOCATION
EXWM	EXISTING WATER METER			CONFIRM LOCATION AND SIZE
F	REMOTE CONTROL VALVE W/NYE FILTER & BALL VALVE	RAINBIRD / AGRICULTURE PRODUCTS	PEB / 4E-1-B-200	SIZE AS PER PLAN / 1"
	PRESSURE REDUCING VALVE	SENNINGER	PMR-MF	1.5"
BV	BRONZE GATE VALVE	NIBCO	T-113	SIZE AS PER LINE
A B C D	IRRIGATION CONTROLLER	RAINBIRD	TBOS6CMUS	6 STATIONS
E F G H I J K L M N P Q R S	CONTROLLERS WILL NOT BE ON SITE, SHOWN FOR SEQUENCING ON PLANS.			
▪▪▪▪▪▪	PVC MAINLINE	2" & LARGER	CLASS 315	2"- SIZED FOR POTENTIAL EXPANSION
———	PVC LATERAL LINE	----	SCHEDULE 40	1.5"
NOT SHOWN	PVC FLEXIBLE TUBING SEE DETAIL 'L' ON L3.01	SALCO	PVC AR-050	1/2" I.D.
NOT SHOWN	EMITTER	BOWSMITH	SL220	SEE EMITTER SCHEDULE
▬▬▬	SLEEVE UNDER PAVED AREAS	-----	SCHEDULE 40	SEE NOTE #5

ID / SIZE — IRRIGATION CONTROLLER
GPM — FLOW IN GPM
TYPE — PLANT MATERIAL
SIZE — VALVE SIZE

EMITTER SCHEDULE

PLANT SIZE	G.P.H.	QTY.	EMITTER	MANUFACTURER
36" BOX	16	8	SL220	BOWSMITH
24" BOX	16	8	SL220	BOWSMITH

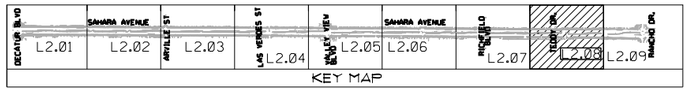
IRRIGATION NOTES

1. THE CONTRACTOR SHALL VERIFY THE STATIC PRESSURE AT THE POINT OF CONNECTION AND MAKE FINAL CONNECTIONS ALLOWING FOR ANY POSSIBLE DEVIATIONS FROM LOCATION SHOWN ON PLANS DUE TO SITE CONDITIONS. ANY DEVIATIONS FROM THE DESIGN SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE.
2. THE IRRIGATION PLAN IS DRAWN FOR GRAPHIC CLARITY, WHERE PIPING AND VALVES ARE SHOWN IN CONCRETE AREAS, THE INTENT IS FOR THE PIPING AND VALVES TO BE PLACED IN THE ADJACENT PLANTING AREAS, EXCEPT WHERE SLEEVES ARE REQUIRED. PLACE ALL VALVE BOXES IN SHRUB BEDS.
3. SEE CIVIL DRAWINGS FOR LOCATION OF POINT OF CONNECTION, METER SIZE, ETC.
4. BACKFLOW PREVENTER(S) TO BE IN COMPLIANCE WITH THE LAS VEGAS VALLEY WATER DISTRICT STANDARDS, CODES, AND REGULATIONS (LVVWD PLATE NO. 11).
5. INSTALL SLEEVING BASED ON THE SIZING GUIDE BELOW:

PIPE SIZE	REQUIRED SLEEVING
2 1/2" TO 3" PVC	1 - 6" SCH 40 PVC SLEEVE
1 1/4" TO 2" PVC	1 - 4" SCH 40 PVC SLEEVE
3/4" TO 1" PVC	1 - 2" SCH 40 PVC SLEEVE

WIRE QUANTITY	REQUIRED SLEEVING
1 - 25 CONTROL WIRES	1 - 2" SCH 40 PVC SLEEVE
26 - 50 CONTROL WIRES	2 - 2" SCH 40 PVC SLEEVE

6. CONTRACTOR TO PROVIDE ALL NECESSARY SLEEVING UNDER ROADS, CONCRETE SLABS, ETC.
7. VALVE BOXES TO BE PERMANENTLY BRANDED WITH CONTROLLER LETTER & STATION (EXAMPLES: STATION = A3, QUICK COUPLER = QC) LETTER AND STATION IDENTIFICATION SHALL BE 2 INCH HIGH MIN. VALVE BOXES TO HAVE LOCKING CAPABILITY. VALVE BOXES TO BE LOCATED IN PLANTING BEDS ONLY.
8. CONTRACTOR IS RESPONSIBLE TO VERIFY UTILITY LOCATION, OBTAIN, COORDINATE AND PAY FOR ANY PERMITS AND ALL INSPECTIONS AS REQUIRED.
9. CONTRACTOR RESPONSIBLE FOR POWER CONNECTION, PHONE LINE AND ACTIVATION OF IRRIGATION CONTROLLER(S) PRIOR TO SUBSTANTIAL COMPLETION.
10. CONTRACTOR TO PROVIDE POSITIVE DRAINAGE AWAY FROM ALL STRUCTURES, WALLS, AND ON ALL SIDEWALKS ACCORDING TO ALL CODES, REGULATIONS, AND REQUIREMENTS.
11. IF PIPING CROSSES PORTIONS OF ROADWAY NOT BEING IMPACTED BY CONSTRUCTION CONTRACTOR IS TO SAW CUT AND PATCH ASPHALT WHERE NECESSARY IN ORDER TO INSTALL PIPE AS SHOWN ON PLANS.
12. ALL WIRE SHALL BE SPLICED IN VALVE BOXES OR PULL BOXES ONLY.
13. VALVE BOXES SHALL BE CONCRETE WITH STEEL LID.
14. CONTRACTOR TO LOCATE AND INSTALL ONE ET GAUGE WITH STAINLESS STEEL HOUSING NEXT TO EACH IRRIGATION CONTROLLER AS SHOWN ON PLANS. CONTRACTOR TO MAKE FINAL CONNECTIONS TO CONTROLLER AS REQUIRED.
15. PRESSURE REDUCING VALVES ARE REQUIRED TO BE INSTALLED WHEN THE STATIC WATER PRESSURE IS IN EXCESS OF 80 PSI
16. RPPA'S IN MEDIAN REQUIRE BOLLARDS PER UDACS PLATES 4.8 AND 15. SEE LVVWD NORES FOR RPPA'S ON SHEET UN-1.



RECORD DRAWINGS
DATE: 09/12/12

These record drawings have been reviewed based upon information furnished by others. While this information is believed to be reliable, JW Zunino Landscape Architecture cannot assure their accuracy of these record drawings or any errors or omissions that may have been incorporated as a result. Those relying on these record drawings are advised to obtain independent verification of their accuracy before applying it for any purpose

REV. NO.	DATE	DESCRIPTION	APPROVED

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
LANDSCAPE IRRIGATION PLAN

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No:	CB 1083	DRAWN BY:	SEC
DESIGNED BY:	SEC	CHECKED BY:	WTS
APPROVED BY	WTS		

JW ZUNINO LANDSCAPE ARCHITECTURE
LAS VEGAS NV 3191 SLOANES BLVD | LAS VEGAS, NV 89146 P 702.753.3330 | F 702.753.1010
CARLSBAD CA 2246 FARADAY AVE. | CARLSBAD, CA 92008

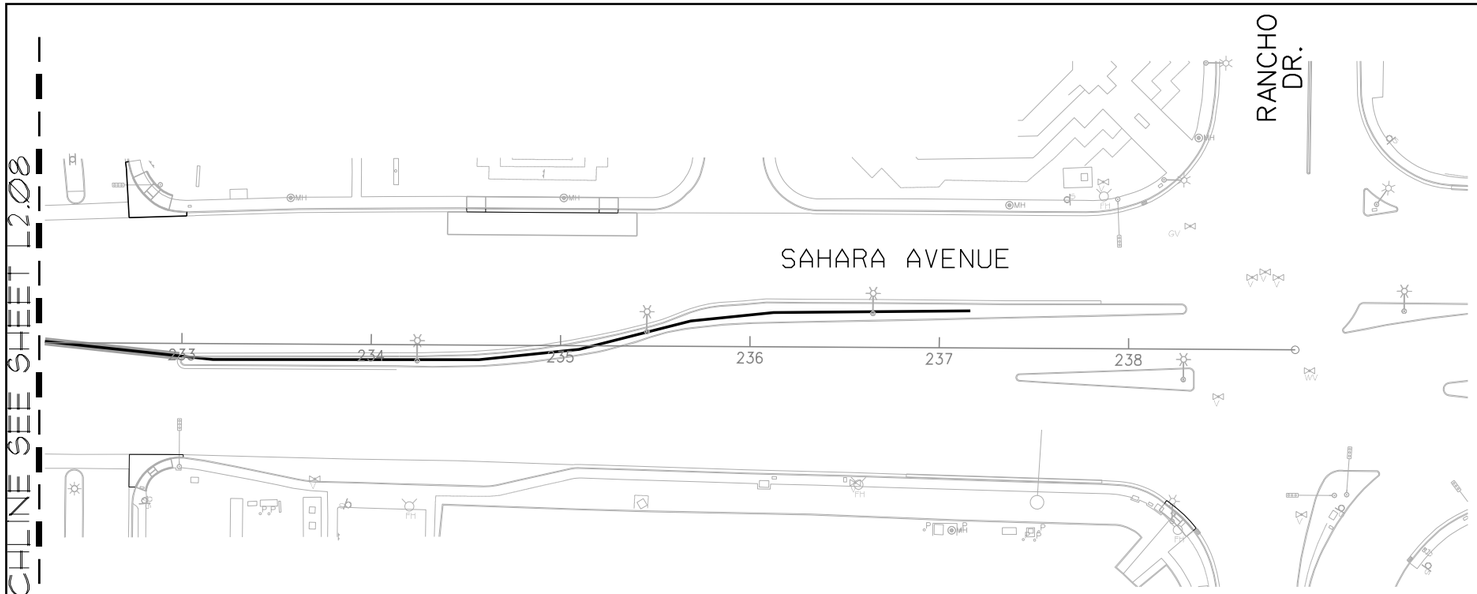
SCALE
HORIZ: 1"=40'-0"
VERT: NA
FIELD BOOK: NONE

SHEET No. L2.08
Sheet 235 of 592

AS-BUILT - 05.31.2012

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

XREF :
FILE :



IRRIGATION EQUIPMENT LEGEND

SYMBOL	DESCRIPTION	MANUFACTURER	MODEL	SIZE
PC	POINT OF CONNECTION	SEE CIVIL DRAWINGS		-----
B	BACKFLOW PREVENTER	FEBCO	825 YA	1"
WM	WATER METER	SEE CIVIL DRAWINGS		SEE CIVIL PLANS FOR SIZES AND LOCATION
EXWM	EXISTING WATER METER			CONFIRM LOCATION AND SIZE
	REMOTE CONTROL VALVE WAYE FILTER & BALL VALVE	RAINBIRD AGRICULTURE PRODUCTS	PEB 4E-1-B-200	SIZE AS PER PLAN 1"
	PRESSURE REDUCING VALVE	SENNINGER	PMR-MF	1.5"
BV	BRONZE GATE VALVE	NIBCO	T-113	SIZE AS PER LINE
A B C D E F G H I J K L M N P Q R S	IRRIGATION CONTROLLER CONTROLLERS WILL NOT BE ON SITE, SHOWN FOR SEQUENCING ON PLANS.	RAINBIRD	TBOS6CMUS	6 STATIONS
	PVC MAINLINE	2" & LARGER	CLASS 315	2"- SIZED FOR POTENTIAL EXPANSION
	PVC LATERAL LINE	----	SCHEDULE 40	1.5"
NOT SHOWN	PVC FLEXIBLE TUBING SEE DETAIL 'L' ON L3.01	SALCO	PVC AR-050	1/2" I.D.
NOT SHOWN	EMITTER	BOWSMITH	SL220	SEE EMITTER SCHEDULE
	SLEEVE UNDER PAVED AREAS	-----	SCHEDULE 40	SEE NOTE #5

ID / SIZE — GPM — FLOW IN GPM — IRRIGATION CONTROLLER
TYPE — PLANT MATERIAL
VALVE SIZE

EMITTER SCHEDULE

PLANT SIZE	G.P.H.	QTY.	EMITTER	MANUFACTURER
36" BOX	16	8	SL220	BOWSMITH
24" BOX	16	8	SL220	BOWSMITH

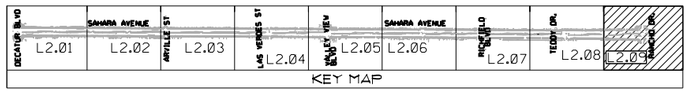
IRRIGATION NOTES

1. THE CONTRACTOR SHALL VERIFY THE STATIC PRESSURE AT THE POINT OF CONNECTION AND MAKE FINAL CONNECTIONS ALLOWING FOR ANY POSSIBLE DEVIATIONS FROM LOCATION SHOWN ON PLANS DUE TO SITE CONDITIONS. ANY DEVIATIONS FROM THE DESIGN SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE.
2. THE IRRIGATION PLAN IS DRAWN FOR GRAPHIC CLARITY, WHERE PIPING AND VALVES ARE SHOWN IN CONCRETE AREAS, THE INTENT IS FOR THE PIPING AND VALVES TO BE PLACED IN THE ADJACENT PLANTING AREAS, EXCEPT WHERE SLEEVES ARE REQUIRED. PLACE ALL VALVE BOXES IN SHRUB BEDS.
3. SEE CIVIL DRAWINGS FOR LOCATION OF POINT OF CONNECTION, METER SIZE, ETC.
4. BACKFLOW PREVENTER(S) TO BE IN COMPLIANCE WITH THE LAS VEGAS VALLEY WATER DISTRICT STANDARDS, CODES, AND REGULATIONS (LVVWD PLATE NO. 11).
5. INSTALL SLEEVING BASED ON THE SIZING GUIDE BELOW:

PIPE SIZE	REQUIRED SLEEVING
2 1/2" TO 3" PVC	1 - 6" SCH 40 PVC SLEEVE
1 1/4" TO 2" PVC	1 - 4" SCH 40 PVC SLEEVE
3/4" TO 1" PVC	1 - 2" SCH 40 PVC SLEEVE

WIRE QUANTITY	REQUIRED SLEEVING
1 - 25 CONTROL WIRES	1 - 2" SCH 40 PVC SLEEVE
26 - 50 CONTROL WIRES	2 - 2" SCH 40 PVC SLEEVE

6. CONTRACTOR TO PROVIDE ALL NECESSARY SLEEVING UNDER ROADS, CONCRETE SLABS, ETC.
7. VALVE BOXES TO BE PERMANENTLY BRANDED WITH CONTROLLER LETTER & STATION (EXAMPLES: STATION = A3, QUICK COUPLER = QC) LETTER AND STATION IDENTIFICATION SHALL BE 2 INCH HIGH MIN. VALVE BOXES TO HAVE LOCKING CAPABILITY. VALVE BOXES TO BE LOCATED IN PLANTING BEDS ONLY.
8. CONTRACTOR IS RESPONSIBLE TO VERIFY UTILITY LOCATION, OBTAIN, COORDINATE AND PAY FOR ANY PERMITS AND ALL INSPECTIONS AS REQUIRED.
9. CONTRACTOR RESPONSIBLE FOR POWER CONNECTION, PHONE LINE AND ACTIVATION OF IRRIGATION CONTROLLER(S) PRIOR TO SUBSTANTIAL COMPLETION.
10. CONTRACTOR TO PROVIDE POSITIVE DRAINAGE AWAY FROM ALL STRUCTURES, WALLS, AND ON ALL SIDEWALKS ACCORDING TO ALL CODES, REGULATIONS, AND REQUIREMENTS.
11. IF PIPING CROSSES PORTIONS OF ROADWAY NOT BEING IMPACTED BY CONSTRUCTION CONTRACTOR IS TO SAW CUT AND PATCH ASPHALT WHERE NECESSARY IN ORDER TO INSTALL PIPE AS SHOWN ON PLANS.
12. ALL WIRE SHALL BE SPLICED IN VALVE BOXES OR PULL BOXES ONLY.
13. VALVE BOXES SHALL BE CONCRETE WITH STEEL LID.
14. CONTRACTOR TO LOCATE AND INSTALL ONE ET GAUGE WITH STAINLESS STEEL HOUSING NEXT TO EACH IRRIGATION CONTROLLER AS SHOWN ON PLANS. CONTRACTOR TO MAKE FINAL CONNECTIONS TO CONTROLLER AS REQUIRED.
15. PRESSURE REDUCING VALVES ARE REQUIRED TO BE INSTALLED WHEN THE STATIC WATER PRESSURE IS IN EXCESS OF 80 PSI
16. RPPA'S IN MEDIAN REQUIRE BOLLARDS PER UDACS PLATES 4.8 AND 75. SEE LVVWD NORES FOR RPPA'S ON SHEET UN-1.



RECORD DRAWINGS
DATE: 09/12/12

These record drawings have been reviewed based upon information furnished by others. While this information is believed to be reliable, JW Zunino Landscape Architecture cannot assure their accuracy of these record drawings or any errors or omissions that may have been incorporated as a result. Those relying on these record drawings are advised to obtain independent verification of their accuracy before applying it for any purpose

Call before you OVERHEAD 1-702-402-2929 NEVADA POWER ENVIRONMENT AND SAFETY SERVICES DEPARTMENT

Call before you Dig. 811 UNDERGROUND SERVICE ALERT (USA)

REV. NO.	DATE	DESCRIPTION	APPROVED

XREF :
FILE :

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
LANDSCAPE IRRIGATION PLAN

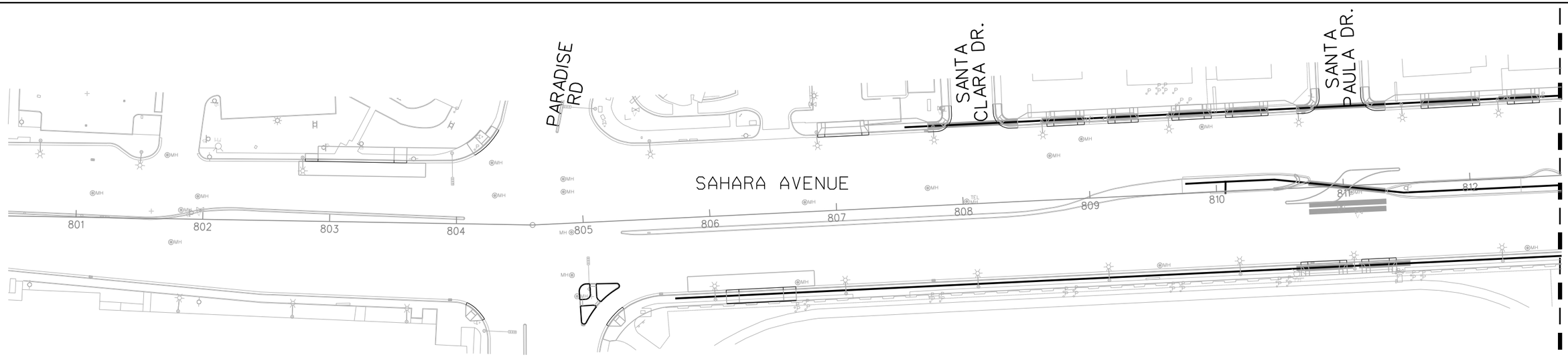
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No:	CB 1083	DRAWN BY:	SEC
DESIGNED BY:	SEC	CHECKED BY:	WTS
APPROVED BY	WTS		

JW ZUNINO LANDSCAPE ARCHITECTURE
LAS VEGAS, NV 3131 BLONDES BLVD. | LAS VEGAS, NV 89146 P 702.353.5300 | F 702.353.5301
CARLSBAD, CA 2240 FARADAY AVE. | CARLSBAD, CA 92008

SCALE
HORIZ : 1"=40'-0"
VERT : NA
FIELD BOOK : NONE

SHEET No. L2.09



IRRIGATION NOTES

1. THE CONTRACTOR SHALL VERIFY THE STATIC PRESSURE AT THE POINT OF CONNECTION AND MAKE FINAL CONNECTIONS ALLOWING FOR ANY POSSIBLE DEVIATIONS FROM LOCATION SHOWN ON PLANS DUE TO SITE CONDITIONS. ANY DEVIATIONS FROM THE DESIGN SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE.
2. THE IRRIGATION PLAN IS DRAWN FOR GRAPHIC CLARITY, WHERE PIPING AND VALVES ARE SHOWN IN CONCRETE AREAS, THE INTENT IS FOR THE PIPING AND VALVES TO BE PLACED IN THE ADJACENT PLANTING AREAS, EXCEPT WHERE SLEEVES ARE REQUIRED. PLACE ALL VALVE BOXES IN SHRUB BEDS.
3. SEE CIVIL DRAWINGS FOR LOCATION OF POINT OF CONNECTION, METER SIZE, ETC.
4. BACKFLOW PREVENTER(S) TO BE IN COMPLIANCE WITH THE LAS VEGAS VALLEY WATER DISTRICT STANDARDS, CODES, AND REGULATIONS (LVVWD PLATE NO. 11).
5. INSTALL SLEEVING BASED ON THE SIZING GUIDE BELOW:

PIPE SIZE	REQUIRED SLEEVING
2 1/2" TO 3" PVC	1 - 6" SCH 40 PVC SLEEVE
1 1/4" TO 2" PVC	1 - 4" SCH 40 PVC SLEEVE
3/4" TO 1" PVC	1 - 2" SCH 40 PVC SLEEVE

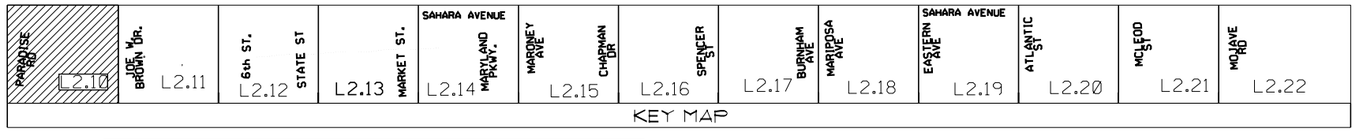
WIRE QUANTITY	REQUIRED SLEEVING
1 - 25 CONTROL WIRES	1 - 2" SCH 40 PVC SLEEVE
26 - 50 CONTROL WIRES	2 - 2" SCH 40 PVC SLEEVE

6. CONTRACTOR TO PROVIDE ALL NECESSARY SLEEVING UNDER ROADS, CONCRETE SLABS, ETC.
7. VALVE BOXES TO BE PERMANENTLY BRANDED WITH CONTROLLER LETTER & STATION (EXAMPLES: STATION = A3, QUICK COUPLER = QC) LETTER AND STATION IDENTIFICATION SHALL BE 2 INCH HIGH MIN. VALVE BOXES TO HAVE LOCKING CAPABILITY. VALVE BOXES TO BE LOCATED IN PLANTING BEDS ONLY.
8. CONTRACTOR IS RESPONSIBLE TO VERIFY UTILITY LOCATION, OBTAIN, COORDINATE AND PAY FOR ANY PERMITS AND ALL INSPECTIONS AS REQUIRED.
9. CONTRACTOR RESPONSIBLE FOR POWER CONNECTION, PHONE LINE AND ACTIVATION OF IRRIGATION CONTROLLER(S) PRIOR TO SUBSTANTIAL COMPLETION.
10. CONTRACTOR TO PROVIDE POSITIVE DRAINAGE AWAY FROM ALL STRUCTURES, WALLS, AND ON ALL SIDEWALKS ACCORDING TO ALL CODES, REGULATIONS, AND REQUIREMENTS.
11. IF PIPING CROSSES PORTIONS OF ROADWAY NOT BEING IMPACTED BY CONSTRUCTION CONTRACTOR IS TO SAW CUT AND PATCH ASPHALT WHERE NECESSARY IN ORDER TO INSTALL PIPE AS SHOWN ON PLANS.
12. ALL WIRE SHALL BE SPLICED IN VALVE BOXES OR PULL BOXES ONLY.
13. VALVE BOXES SHALL BE CONCRETE WITH STEEL LID.
14. CONTRACTOR TO LOCATE AND INSTALL ONE ET GAUGE WITH STAINLESS STEEL HOUSING NEXT TO EACH IRRIGATION CONTROLLER AS SHOWN ON PLANS. CONTRACTOR TO MAKE FINAL CONNECTIONS TO CONTROLLER AS REQUIRED.
15. PRESSURE REDUCING VALVES ARE REQUIRED TO BE INSTALLED WHEN THE STATIC WATER PRESSURE IS IN EXCESS OF 80 PSI
16. RPPA'S IN MEDIAN REQUIRE BOLLARDS PER UDACS PLATES 4.8 AND 7.5. SEE LVVWD NORES FOR RPPA'S ON SHEET IN-1.

IRRIGATION EQUIPMENT LEGEND

SYMBOL	DESCRIPTION	MANUFACTURER	MODEL	SIZE
PC	POINT OF CONNECTION	SEE CIVIL DRAWINGS		-----
B	BACKFLOW PREVENTER	FEBCO	825 YA	1"
WM	WATER METER	SEE CIVIL DRAWINGS		SEE CIVIL PLANS FOR SIZES AND LOCATION
EXWM	EXISTING WATER METER			CONFIRM LOCATION AND SIZE
	REMOTE CONTROL VALVE	RAINBIRD	PEB	SIZE AS PER PLAN
	WYE FILTER & BALL VALVE	AGRICULTURE PRODUCTS	4E-1-B-200	1"
	PRESSURE REDUCING VALVE	SENNINGER	PMR-MF	1.5"
BV	BRONZE GATE VALVE	NIBCO	T-113	SIZE AS PER LINE
A B C D	IRRIGATION CONTROLLER	RAINBIRD	TBOS6CMUS	6 STATIONS
E F G H I J K L M N P Q R S	CONTROLLERS WILL NOT BE ON SITE, SHOWN FOR SEQUENCING ON PLANS.			
▪▪▪▪▪▪	PVC MAINLINE	2" & LARGER	CLASS 315	2"- SIZED FOR POTENTIAL EXPANSION
———	PVC LATERAL LINE	----	SCHEDULE 40	1.5"
NOT SHOWN	PVC FLEXIBLE TUBING SEE DETAIL 'L' ON L3.01	SALCO	PVC AR-050	1/2" I.D.
NOT SHOWN	EMITTER	BOWSMITH	SL220	SEE EMITTER SCHEDULE
▬▬▬	SLEEVE UNDER PAVED AREAS	-----	SCHEDULE 40	SEE NOTE #5

ID / SIZE — GPM — TYPE
- IRRIGATION CONTROLLER
- FLOW IN GPM
- PLANT MATERIAL
- VALVE SIZE



RECORD DRAWINGS
DATE: 09/12/12

These record drawings have been reviewed based upon information furnished by others. While this information is believed to be reliable, JW Zunino Landscape Architecture cannot assure their accuracy of these record drawings or any errors or omissions that may have been incorporated as a result. Those relying on these record drawings are advised to obtain independent verification of their accuracy before applying it for any purpose

0 40' 80' 120'
SCALE: 1" = 40'-0"

NORTH

Call before you OVERHEAD 1-702-402-2929 NEVADA POWER ENVIRONMENT AND SAFETY SERVICES DEPARTMENT

Call before you Dig. 811 UNDERGROUND SERVICE ALERT (USA)

AS-BUILT - 05.31.2012

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

REV. NO.	DATE	DESCRIPTION	APPROVED

XREF :
FILE :

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
LANDSCAPE IRRIGATION PLAN

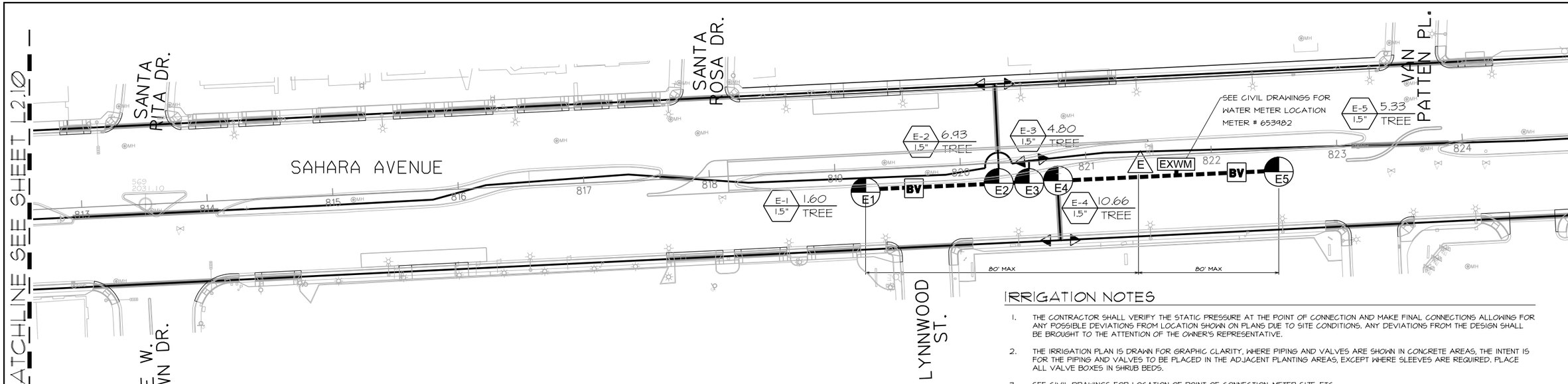
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: SEC
DESIGNED BY: SEC CHECKED BY: WTS
APPROVED BY WTS

JW ZUNINO LANDSCAPE ARCHITECTURE
LAS VEGAS, NV — 3191 BLONDE BLVD | LAS VEGAS, NV 89146 | T 702.793.9300 | F 702.793.1010
CARLSBAD, CA — 2240 FARADAY AVE. | CARLSBAD, CA 92008

SCALE
HORIZ : 1"=40'-0"
VERT : NA
FIELD BOOK :
NONE

SHEET No.
L2.10



IRRIGATION EQUIPMENT LEGEND

SYMBOL	DESCRIPTION	MANUFACTURER	MODEL	SIZE
PC	POINT OF CONNECTION	SEE CIVIL DRAWINGS		-----
B	BACKFLOW PREVENTER	FEBCO	825 YA	1"
WM	WATER METER	SEE CIVIL DRAWINGS		SEE CIVIL PLANS FOR SIZES AND LOCATION
EXWM	EXISTING WATER METER			CONFIRM LOCATION AND SIZE
F	REMOTE CONTROL VALVE W/WYE FILTER & BALL VALVE	RAINBIRD AGRICULTURE PRODUCTS	PEB 4E-1-B-200	SIZE AS PER PLAN 1"
	PRESSURE REDUCING VALVE	SENNINGER	PMR-MF	1.5"
BV	BRONZE GATE VALVE	NIBCO	T-113	SIZE AS PER LINE
A B C D	IRRIGATION CONTROLLER	RAINBIRD	TBOS6CMUS	6 STATIONS
E F G H I J K L M N P Q R S	CONTROLLERS WILL NOT BE ON SITE, SHOWN FOR SEQUENCING ON PLANS.			
	PVC MAINLINE	2" & LARGER	CLASS 315	2"- SIZED FOR POTENTIAL EXPANSION
	PVC LATERAL LINE	----	SCHEDULE 40	1.5"
NOT SHOWN	PVC FLEXIBLE TUBING SEE DETAIL 'L' ON L3.01	SALCO	PVC AR-050	1/2" I.D.
NOT SHOWN	EMITTER	BOWSMITH	SL220	SEE EMITTER SCHEDULE
	SLEEVE UNDER PAVED AREAS	-----	SCHEDULE 40	SEE NOTE #5

ID / SIZE — GPM — FLOW IN GPM — PLANT MATERIAL — VALVE SIZE

IRRIGATION CONTROLLER

EMITTER SCHEDULE

PLANT SIZE	G.P.H.	QTY.	EMITTER	MANUFACTURER
36" BOX	16	8	SL220	BOWSMITH
24" BOX	16	8	SL220	BOWSMITH

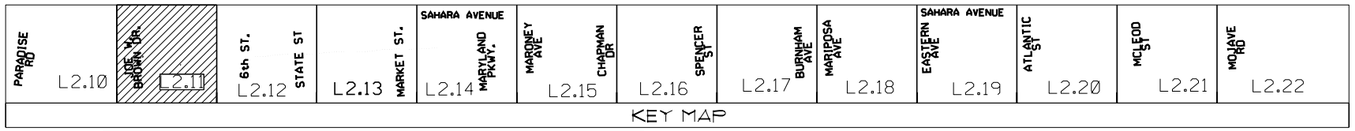
IRRIGATION NOTES

1. THE CONTRACTOR SHALL VERIFY THE STATIC PRESSURE AT THE POINT OF CONNECTION AND MAKE FINAL CONNECTIONS ALLOWING FOR ANY POSSIBLE DEVIATIONS FROM LOCATION SHOWN ON PLANS DUE TO SITE CONDITIONS. ANY DEVIATIONS FROM THE DESIGN SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE.
2. THE IRRIGATION PLAN IS DRAWN FOR GRAPHIC CLARITY, WHERE PIPING AND VALVES ARE SHOWN IN CONCRETE AREAS, THE INTENT IS FOR THE PIPING AND VALVES TO BE PLACED IN THE ADJACENT PLANTING AREAS, EXCEPT WHERE SLEEVES ARE REQUIRED. PLACE ALL VALVE BOXES IN SHRUB BEDS.
3. SEE CIVIL DRAWINGS FOR LOCATION OF POINT OF CONNECTION, METER SIZE, ETC.
4. BACKFLOW PREVENTER(S) TO BE IN COMPLIANCE WITH THE LAS VEGAS VALLEY WATER DISTRICT STANDARDS, CODES, AND REGULATIONS (LVVWD PLATE NO. 11).
5. INSTALL SLEEVING BASED ON THE SIZING GUIDE BELOW:

PIPE SIZE	REQUIRED SLEEVING
2 1/2" TO 3" PVC	1 - 6" SCH 40 PVC SLEEVE
1 1/4" TO 2" PVC	1 - 4" SCH 40 PVC SLEEVE
3/4" TO 1" PVC	1 - 2" SCH 40 PVC SLEEVE

WIRE QUANTITY	REQUIRED SLEEVING
1 - 25 CONTROL WIRES	1 - 2" SCH 40 PVC SLEEVE
26 - 50 CONTROL WIRES	2 - 2" SCH 40 PVC SLEEVE

6. CONTRACTOR TO PROVIDE ALL NECESSARY SLEEVING UNDER ROADS, CONCRETE SLABS, ETC.
7. VALVE BOXES TO BE PERMANENTLY BRANDED WITH CONTROLLER LETTER & STATION (EXAMPLES: STATION = A3, QUICK COUPLER = QC) LETTER AND STATION IDENTIFICATION SHALL BE 2 INCH HIGH MIN. VALVE BOXES TO HAVE LOCKING CAPABILITY. VALVE BOXES TO BE LOCATED IN PLANTING BEDS ONLY.
8. CONTRACTOR IS RESPONSIBLE TO VERIFY UTILITY LOCATION, OBTAIN, COORDINATE AND PAY FOR ANY PERMITS AND ALL INSPECTIONS AS REQUIRED.
9. CONTRACTOR RESPONSIBLE FOR POWER CONNECTION, PHONE LINE AND ACTIVATION OF IRRIGATION CONTROLLER(S) PRIOR TO SUBSTANTIAL COMPLETION.
10. CONTRACTOR TO PROVIDE POSITIVE DRAINAGE AWAY FROM ALL STRUCTURES, WALLS, AND ON ALL SIDEWALKS ACCORDING TO ALL CODES, REGULATIONS, AND REQUIREMENTS.
11. IF PIPING CROSSES PORTIONS OF ROADWAY NOT BEING IMPACTED BY CONSTRUCTION CONTRACTOR IS TO SAW CUT AND PATCH ASPHALT WHERE NECESSARY IN ORDER TO INSTALL PIPE AS SHOWN ON PLANS.
12. ALL WIRE SHALL BE SPLICED IN VALVE BOXES OR PULL BOXES ONLY.
13. VALVE BOXES SHALL BE CONCRETE WITH STEEL LID.
14. CONTRACTOR TO LOCATE AND INSTALL ONE ET GAUGE WITH STAINLESS STEEL HOUSING NEXT TO EACH IRRIGATION CONTROLLER AS SHOWN ON PLANS. CONTRACTOR TO MAKE FINAL CONNECTIONS TO CONTROLLER AS REQUIRED.
15. PRESSURE REDUCING VALVES ARE REQUIRED TO BE INSTALLED WHEN THE STATIC WATER PRESSURE IS IN EXCESS OF 80 PSI
16. RPPA'S IN MEDIAN REQUIRE BOLLARDS PER UDACS PLATES 4.8 AND 7.5. SEE LVVWD NORES FOR RPPA'S ON SHEET UN-1.



RECORD DRAWINGS
DATE: 09/12/12

These record drawings have been reviewed based upon information furnished by others. While this information is believed to be reliable, JW Zunino Landscape Architecture cannot assure their accuracy of these record drawings or any errors or omissions that may have been incorporated as a result. Those relying on these record drawings are advised to obtain independent verification of their accuracy before applying it for any purpose

0 40' 80' 120'
SCALE: 1" = 40'-0"

NORTH

Call before you OVERHEAD 1-702-402-2929 (AVOID HITTING OVERHEAD UTILITY LINES 10'ft CLEAR)

Call before you Dig. 811 (AVOID CUTTING UNDERGROUND UTILITY LINES 10'ft CLEAR)

REV. NO.	DATE	DESCRIPTION	APPROVED

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
LANDSCAPE IRRIGATION PLAN

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No:	CB 1083	DRAWN BY:	SEC
DESIGNED BY:	SEC	CHECKED BY:	WTS
APPROVED BY	WTS		

JW ZUNINO LANDSCAPE ARCHITECTURE
LAS VEGAS, NV 3111 SLOANES BLVD. | LAS VEGAS, NV 89146 | T 702.753.0330 | F 702.753.1016
CARLSBAD, CA 2248 FARADAY AVE. | CARLSBAD, CA 92008

SCALE
HORIZ: 1"=40'-0"
VERT: NA
FIELD BOOK: NONE

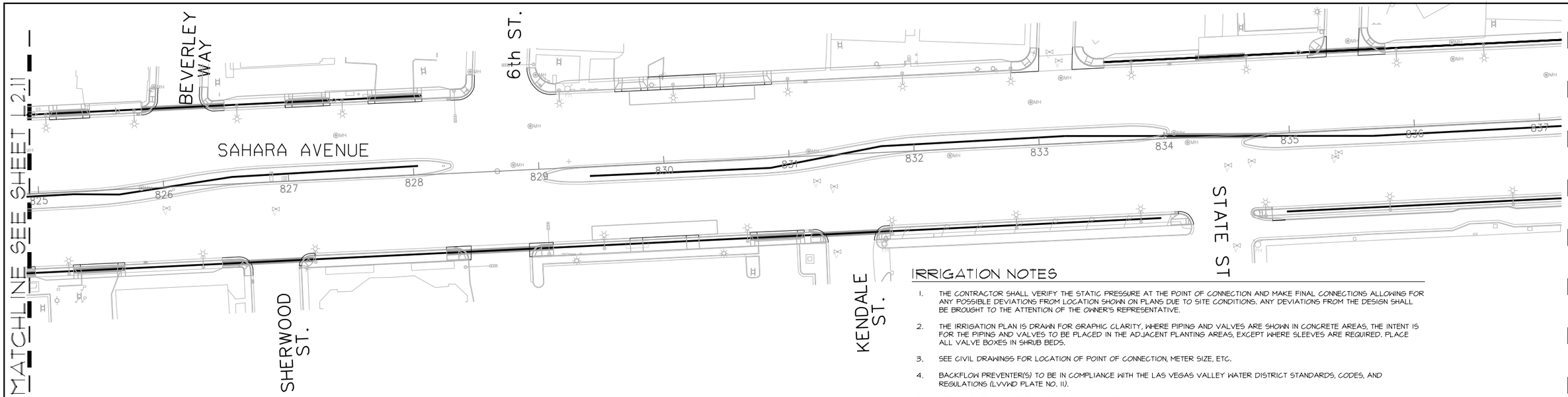
SHEET No. L2.11

Sheet 238 of 592

XREF :
FILE :

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS-BUILT - 05.31.2012



IRRIGATION EQUIPMENT LEGEND

SYMBOL	DESCRIPTION	MANUFACTURER	MODEL	SIZE
PC	POINT OF CONNECTION	SEE CIVIL DRAWINGS		-----
B	BACKFLOW PREVENTER	FEBCO	825 YA	1"
WM	WATER METER	SEE CIVIL DRAWINGS		SEE CIVIL PLANS FOR SIZES AND LOCATION
EXWM	EXISTING WATER METER			CONFIRM LOCATION AND SIZE
	REMOTE CONTROL VALVE WAYE FILTER & BALL VALVE	RAINBIRD AGRICULTURE PRODUCTS	PEB 4E-I-B-200	SIZE AS PER PLAN 1"
	PRESSURE REDUCING VALVE	SENNINGER	PMR-MF	1.5"
BV	BRONZE GATE VALVE	NIBCO	T-113	SIZE AS PER LINE
A B C D	IRRIGATION CONTROLLER	RAINBIRD	TBOS6CMUS	6 STATIONS
E F G H I J K L M N P Q R S	CONTROLLERS WILL NOT BE ON SITE, SHOWN FOR SEQUENCING ON PLANS.			
▪▪▪▪▪▪	PVC MAINLINE	2" & LARGER	CLASS 315	2"- SIZED FOR POTENTIAL EXPANSION
———	PVC LATERAL LINE	----	SCHEDULE 40	1.5"
NOT SHOWN	PVC FLEXIBLE TUBING SEE DETAIL 'L' ON L3.01	SALCO	PVC AR-050	1/2" I.D.
NOT SHOWN	EMITTER	BOWSMITH	SL220	SEE EMITTER SCHEDULE
▬▬▬	SLEEVE UNDER PAVED AREAS	-----	SCHEDULE 40	SEE NOTE #5

ID SIZE — IRRIGATION CONTROLLER
GPM — FLOW IN GPM
TYPE — PLANT MATERIAL
VALVE SIZE

EMITTER SCHEDULE

PLANT SIZE	G.P.H.	QTY.	EMITTER	MANUFACTURER
36" BOX	16	8	SL220	BOWSMITH
24" BOX	16	8	SL220	BOWSMITH

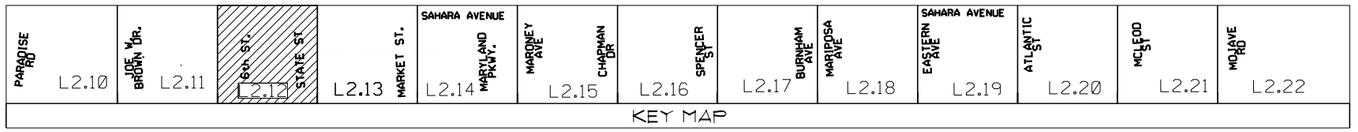
IRRIGATION NOTES

1. THE CONTRACTOR SHALL VERIFY THE STATIC PRESSURE AT THE POINT OF CONNECTION AND MAKE FINAL CONNECTIONS ALLOWING FOR ANY POSSIBLE DEVIATIONS FROM LOCATION SHOWN ON PLANS DUE TO SITE CONDITIONS. ANY DEVIATIONS FROM THE DESIGN SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE.
2. THE IRRIGATION PLAN IS DRAWN FOR GRAPHIC CLARITY, WHERE PIPING AND VALVES ARE SHOWN IN CONCRETE AREAS, THE INTENT IS FOR THE PIPING AND VALVES TO BE PLACED IN THE ADJACENT PLANTING AREAS, EXCEPT WHERE SLEEVES ARE REQUIRED. PLACE ALL VALVE BOXES IN SHRUB BEDS.
3. SEE CIVIL DRAWINGS FOR LOCATION OF POINT OF CONNECTION, METER SIZE, ETC.
4. BACKFLOW PREVENTER(S) TO BE IN COMPLIANCE WITH THE LAS VEGAS VALLEY WATER DISTRICT STANDARDS, CODES, AND REGULATIONS (LVVWD PLATE NO. 11).
5. INSTALL SLEEVING BASED ON THE SIZING GUIDE BELOW:

PIPE SIZE	REQUIRED SLEEVING
2 1/2" TO 3" PVC	1 - 6" SCH 40 PVC SLEEVE
1 1/4" TO 2" PVC	1 - 4" SCH 40 PVC SLEEVE
3/4" TO 1" PVC	1 - 2" SCH 40 PVC SLEEVE

WIRE QUANTITY	REQUIRED SLEEVING
1 - 25 CONTROL WIRES	1 - 2" SCH 40 PVC SLEEVE
26 - 50 CONTROL WIRES	2 - 2" SCH 40 PVC SLEEVE

6. CONTRACTOR TO PROVIDE ALL NECESSARY SLEEVING UNDER ROADS, CONCRETE SLABS, ETC.
7. VALVE BOXES TO BE PERMANENTLY BRANDED WITH CONTROLLER LETTER & STATION (EXAMPLES: STATION = A3, QUICK COUPLER = QC) LETTER AND STATION IDENTIFICATION SHALL BE 2 INCH HIGH MIN. VALVE BOXES TO HAVE LOCKING CAPABILITY. VALVE BOXES TO BE LOCATED IN PLANTING BEDS ONLY.
8. CONTRACTOR IS RESPONSIBLE TO VERIFY UTILITY LOCATION, OBTAIN, COORDINATE AND PAY FOR ANY PERMITS AND ALL INSPECTIONS AS REQUIRED.
9. CONTRACTOR RESPONSIBLE FOR POWER CONNECTION, PHONE LINE AND ACTIVATION OF IRRIGATION CONTROLLER(S) PRIOR TO SUBSTANTIAL COMPLETION.
10. CONTRACTOR TO PROVIDE POSITIVE DRAINAGE AWAY FROM ALL STRUCTURES, WALLS, AND ON ALL SIDEWALKS ACCORDING TO ALL CODES, REGULATIONS, AND REQUIREMENTS.
11. IF PIPING CROSSES PORTIONS OF ROADWAY NOT BEING IMPACTED BY CONSTRUCTION CONTRACTOR IS TO SAW CUT AND PATCH ASPHALT WHERE NECESSARY IN ORDER TO INSTALL PIPE AS SHOWN ON PLANS.
12. ALL WIRE SHALL BE SPLICED IN VALVE BOXES OR PULL BOXES ONLY.
13. VALVE BOXES SHALL BE CONCRETE WITH STEEL LID.
14. CONTRACTOR TO LOCATE AND INSTALL ONE ET GAUGE WITH STAINLESS STEEL HOUSING NEXT TO EACH IRRIGATION CONTROLLER AS SHOWN ON PLANS. CONTRACTOR TO MAKE FINAL CONNECTIONS TO CONTROLLER AS REQUIRED.
15. PRESSURE REDUCING VALVES ARE REQUIRED TO BE INSTALLED WHEN THE STATIC WATER PRESSURE IS IN EXCESS OF 80 PSI
16. RPPA'S IN MEDIAN REQUIRE BOLLARDS PER UDACS PLATES 4.8 AND 75. SEE LVVWD NORES FOR RPPA'S ON SHEET LN-1.



RECORD DRAWINGS
DATE: 09/12/12

These record drawings have been reviewed based upon information furnished by others. While this information is believed to be reliable, JW Zunino Landscape Architecture cannot assure their accuracy of these record drawings or any errors or omissions that may have been incorporated as a result. Those relying on these record drawings are advised to obtain independent verification of their accuracy before applying it for any purpose

0 40' 80' 120'
SCALE: 1" = 40'-0"

NORTH

Call before you OVERHEAD 1-702-402-2929 CLARK COUNTY NEVADA SAFETY SERVICES DEPARTMENT

Call before you Dig. 811 UNDERGROUND SERVICE ALERT (USA)

REV. NO.	DATE	DESCRIPTION	APPROVED

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
LANDSCAPE IRRIGATION PLAN

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No:	CB 1083	DRAWN BY:	SEC
DESIGNED BY:	SEC	CHECKED BY:	WTS
APPROVED BY	WTS		

J W ZUNINO LANDSCAPE ARCHITECTURE
LAS VEGAS NV 3191 SUCCESS BLVD. | LAS VEGAS, NV 89146 P 702.795.3300 | F 702.795.1010
CARLSBAD CA 2246 FARADAY AVE. | CARLSBAD, CA 92008

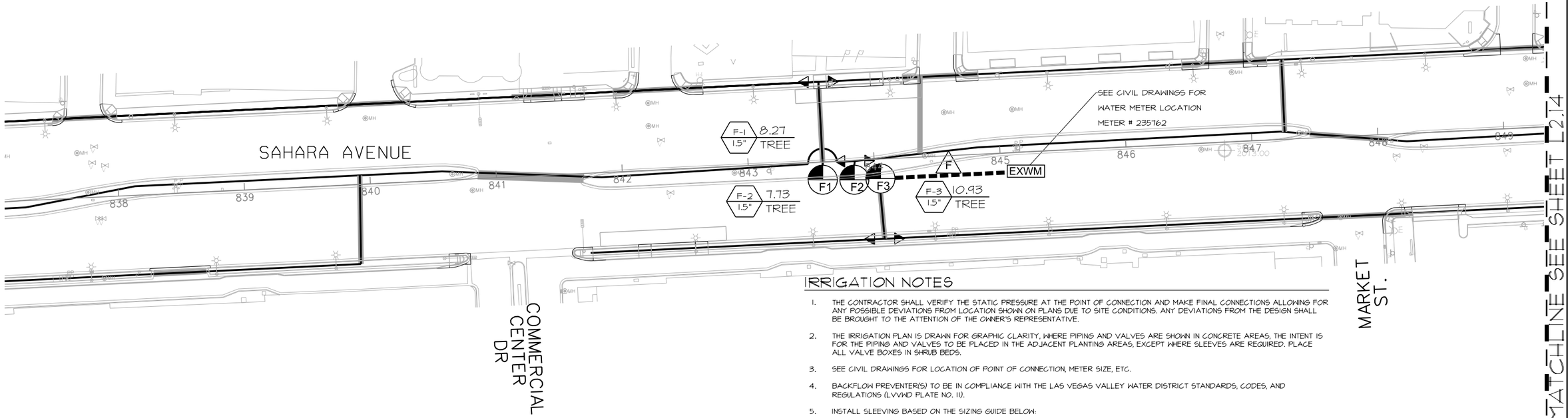
SCALE
HORIZ : 1"=40'-0"
VERT : NA
FIELD BOOK : NONE

SHEET No. L2.12
Sheet 239 of 592

XREF :
FILE :

AS-BUILT - 05.31.2012

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT



SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS-BUILT - 05.31.2012

IRRIGATION EQUIPMENT LEGEND

SYMBOL	DESCRIPTION	MANUFACTURER	MODEL	SIZE
PC	POINT OF CONNECTION	SEE CIVIL DRAWINGS		-----
B	BACKFLOW PREVENTER	FEBCO	825 YA	1"
WM	WATER METER	SEE CIVIL DRAWINGS		SEE CIVIL PLANS FOR SIZES AND LOCATION
EXWM	EXISTING WATER METER			CONFIRM LOCATION AND SIZE
	REMOTE CONTROL VALVE W/NYE FILTER & BALL VALVE	RAINBIRD AGRICULTURE PRODUCTS	PEB 4E-1-B-200	SIZE AS PER PLAN 1"
	PRESSURE REDUCING VALVE	SENNINGER	PMR-MF	1.5"
BV	BRONZE GATE VALVE	NIBCO	T-113	SIZE AS PER LINE
A B C D	IRRIGATION CONTROLLER	RAINBIRD	TBOS6CMUS	6 STATIONS
E F G H I J K L M N P Q R S	CONTROLLERS WILL NOT BE ON SITE, SHOWN FOR SEQUENCING ON PLANS.			
▪▪▪▪▪▪	PVC MAINLINE	2" & LARGER	CLASS 315	2"- SIZED FOR POTENTIAL EXPANSION
———	PVC LATERAL LINE	----	SCHEDULE 40	1.5"
NOT SHOWN	PVC FLEXIBLE TUBING SEE DETAIL 'L' ON L3.01	SALCO	PVC AR-050	1/2" I.D.
NOT SHOWN	EMITTER	BOWSMITH	SL220	SEE EMITTER SCHEDULE
▬▬▬	SLEEVE UNDER PAVED AREAS	-----	SCHEDULE 40	SEE NOTE #5

ID — IRRIGATION CONTROLLER
GPM — FLOW IN GPM
SIZE — PLANT MATERIAL
TYPE — VALVE SIZE

EMITTER SCHEDULE

PLANT SIZE	G.P.H.	QTY.	EMITTER	MANUFACTURER
36" BOX	16	8	SL220	BOWSMITH
24" BOX	16	8	SL220	BOWSMITH

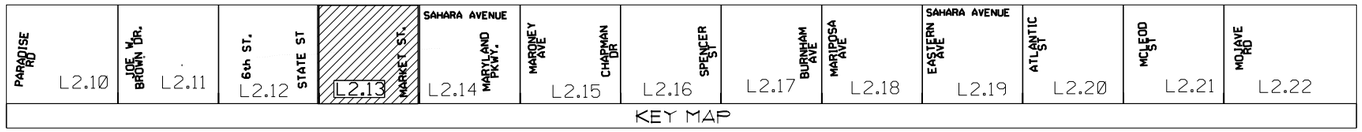
IRRIGATION NOTES

1. THE CONTRACTOR SHALL VERIFY THE STATIC PRESSURE AT THE POINT OF CONNECTION AND MAKE FINAL CONNECTIONS ALLOWING FOR ANY POSSIBLE DEVIATIONS FROM LOCATION SHOWN ON PLANS DUE TO SITE CONDITIONS. ANY DEVIATIONS FROM THE DESIGN SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE.
2. THE IRRIGATION PLAN IS DRAWN FOR GRAPHIC CLARITY, WHERE PIPING AND VALVES ARE SHOWN IN CONCRETE AREAS, THE INTENT IS FOR THE PIPING AND VALVES TO BE PLACED IN THE ADJACENT PLANTING AREAS, EXCEPT WHERE SLEEVES ARE REQUIRED. PLACE ALL VALVE BOXES IN SHRUB BEDS.
3. SEE CIVIL DRAWINGS FOR LOCATION OF POINT OF CONNECTION, METER SIZE, ETC.
4. BACKFLOW PREVENTER(S) TO BE IN COMPLIANCE WITH THE LAS VEGAS VALLEY WATER DISTRICT STANDARDS, CODES, AND REGULATIONS (LVVWD PLATE NO. 11).
5. INSTALL SLEEVING BASED ON THE SIZING GUIDE BELOW:

PIPE SIZE	REQUIRED SLEEVING
2 1/2" TO 3" PVC	1 - 6" SCH 40 PVC SLEEVE
1 1/4" TO 2" PVC	1 - 4" SCH 40 PVC SLEEVE
3/4" TO 1" PVC	1 - 2" SCH 40 PVC SLEEVE

WIRE QUANTITY	REQUIRED SLEEVING
1 - 25 CONTROL WIRES	1 - 2" SCH 40 PVC SLEEVE
26 - 50 CONTROL WIRES	2 - 2" SCH 40 PVC SLEEVE

6. CONTRACTOR TO PROVIDE ALL NECESSARY SLEEVING UNDER ROADS, CONCRETE SLABS, ETC.
7. VALVE BOXES TO BE PERMANENTLY BRANDED WITH CONTROLLER LETTER & STATION (EXAMPLES: STATION = A3, QUICK COUPLER = GC) LETTER AND STATION IDENTIFICATION SHALL BE 2 INCH HIGH MIN. VALVE BOXES TO HAVE LOCKING CAPABILITY. VALVE BOXES TO BE LOCATED IN PLANTING BEDS ONLY.
8. CONTRACTOR IS RESPONSIBLE TO VERIFY UTILITY LOCATION, OBTAIN, COORDINATE AND PAY FOR ANY PERMITS AND ALL INSPECTIONS AS REQUIRED.
9. CONTRACTOR RESPONSIBLE FOR POWER CONNECTION, PHONE LINE AND ACTIVATION OF IRRIGATION CONTROLLER(S) PRIOR TO SUBSTANTIAL COMPLETION.
10. CONTRACTOR TO PROVIDE POSITIVE DRAINAGE AWAY FROM ALL STRUCTURES, WALLS, AND ON ALL SIDEWALKS ACCORDING TO ALL CODES, REGULATIONS, AND REQUIREMENTS.
11. IF PIPING CROSSES PORTIONS OF ROADWAY NOT BEING IMPACTED BY CONSTRUCTION CONTRACTOR IS TO SAW CUT AND PATCH ASPHALT WHERE NECESSARY IN ORDER TO INSTALL PIPE AS SHOWN ON PLANS.
12. ALL WIRE SHALL BE SPLICED IN VALVE BOXES OR PULL BOXES ONLY.
13. VALVE BOXES SHALL BE CONCRETE WITH STEEL LID.
14. CONTRACTOR TO LOCATE AND INSTALL ONE ET GAUGE WITH STAINLESS STEEL HOUSING NEXT TO EACH IRRIGATION CONTROLLER AS SHOWN ON PLANS. CONTRACTOR TO MAKE FINAL CONNECTIONS TO CONTROLLER AS REQUIRED.
15. PRESSURE REDUCING VALVES ARE REQUIRED TO BE INSTALLED WHEN THE STATIC WATER PRESSURE IS IN EXCESS OF 80 PSI
16. RPPA'S IN MEDIAN REQUIRE BOLLARDS PER UDACS PLATES 4.8 AND 7.5. SEE LVVWD NORES FOR RPPA'S ON SHEET UN-1.



RECORD DRAWINGS
DATE: 09/12/12

These record drawings have been reviewed based upon information furnished by others. While this information is believed to be reliable, JW Zunino Landscape Architecture cannot assure their accuracy of these record drawings or any errors or omissions that may have been incorporated as a result. Those relying on these record drawings are advised to obtain independent verification of their accuracy before applying it for any purpose

0 40' 80' 120'
SCALE: 1" = 40'-0"

NORTH

Avoid hitting overhead utility lines. It's easy! Call before you OVERHEAD 1-702-402-2929 Nevada Power Environment and Safety Services Department

Avoid cutting underground utility lines. It's easy! Call before you Dig. 811 Underground Service Alert (USA)

REV. NO.	DATE	DESCRIPTION	APPROVED

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
LANDSCAPE IRRIGATION PLAN

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

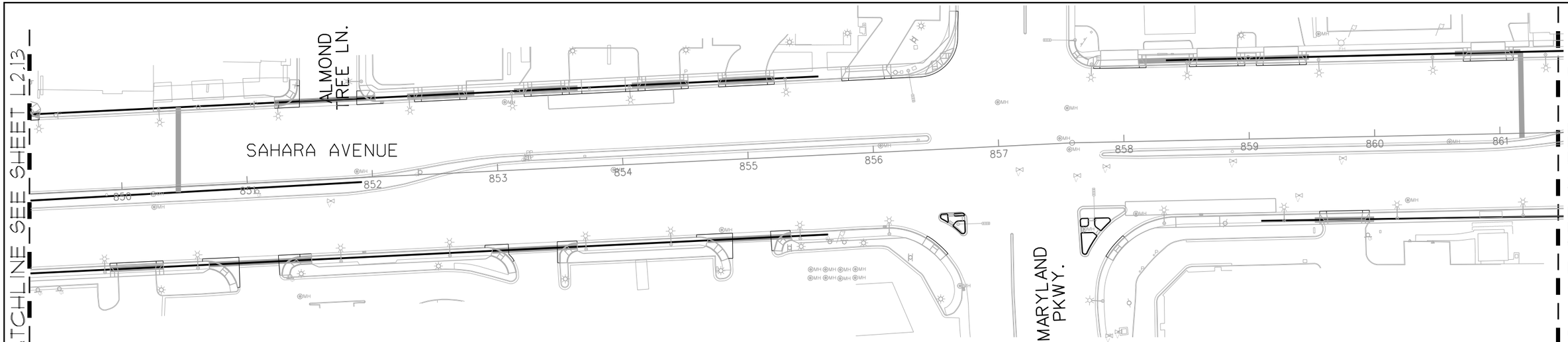
PROJECT No: CB 1083 DRAWN BY: SEC
DESIGNED BY: SEC CHECKED BY: WTS
APPROVED BY WTS

JW ZUNINO LANDSCAPE ARCHITECTURE
LAS VEGAS NV
3191 SUDNES BLVD. | LAS VEGAS, NV 89146
P 702.793.5300 | F 702.793.1010
CARLSBAD CA
2246 FARADAY AVE. | CARLSBAD, CA 92008

SCALE
HORIZ : 1"=40'-0"
VERT : NA
FIELD BOOK : NONE

SHEET No. L2.13
Sheet 240 of 592

XREF :
FILE :



IRRIGATION EQUIPMENT LEGEND

SYMBOL	DESCRIPTION	MANUFACTURER	MODEL	SIZE
PC	POINT OF CONNECTION	SEE CIVIL DRAWINGS		-----
B	BACKFLOW PREVENTER	FEBCO	825 YA	1"
WM	WATER METER	SEE CIVIL DRAWINGS		SEE CIVIL PLANS FOR SIZES AND LOCATION
EXWM	EXISTING WATER METER			CONFIRM LOCATION AND SIZE
F	REMOTE CONTROL VALVE WAYE FILTER & BALL VALVE	RAINBIRD AGRICULTURE PRODUCTS	PEB 4E-1-B-200	SIZE AS PER PLAN 1"
	PRESSURE REDUCING VALVE	SENNINGER	PMR-MF	1.5"
BV	BRONZE GATE VALVE	NIBCO	T-113	SIZE AS PER LINE
A B C D	IRRIGATION CONTROLLER	RAINBIRD	TBOS6CMUS	6 STATIONS
E F G H I J K L M N P Q R S	CONTROLLERS WILL NOT BE ON SITE, SHOWN FOR SEQUENCING ON PLANS.			
▪▪▪▪▪▪	PVC MAINLINE	2" & LARGER	CLASS 315	2"- SIZED FOR POTENTIAL EXPANSION
———	PVC LATERAL LINE	----	SCHEDULE 40	1.5"
NOT SHOWN	PVC FLEXIBLE TUBING SEE DETAIL 'L' ON L3.01	SALCO	PVC AR-050	1/2" I.D.
NOT SHOWN	EMITTER	BOWSMITH	SL220	SEE EMITTER SCHEDULE
▬▬▬	SLEEVE UNDER PAVED AREAS	-----	SCHEDULE 40	SEE NOTE #5

ID – IRRIGATION CONTROLLER
GPM – FLOW IN GPM
SIZE – TYPE – PLANT MATERIAL
VALVE SIZE

EMITTER SCHEDULE

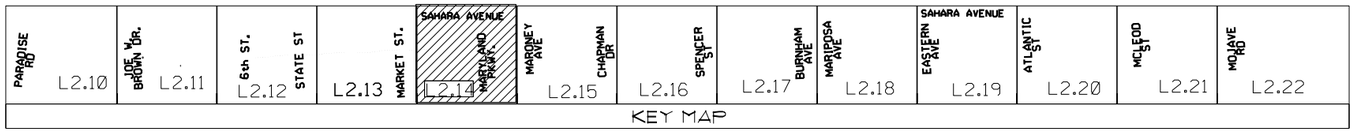
PLANT SIZE	G.P.H.	QTY.	EMITTER	MANUFACTURER
36" BOX	16	8	SL220	BOWSMITH
24" BOX	16	8	SL220	BOWSMITH

IRRIGATION NOTES

1. THE CONTRACTOR SHALL VERIFY THE STATIC PRESSURE AT THE POINT OF CONNECTION AND MAKE FINAL CONNECTIONS ALLOWING FOR ANY POSSIBLE DEVIATIONS FROM LOCATION SHOWN ON PLANS DUE TO SITE CONDITIONS. ANY DEVIATIONS FROM THE DESIGN SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE.
2. THE IRRIGATION PLAN IS DRAWN FOR GRAPHIC CLARITY, WHERE PIPING AND VALVES ARE SHOWN IN CONCRETE AREAS, THE INTENT IS FOR THE PIPING AND VALVES TO BE PLACED IN THE ADJACENT PLANTING AREAS, EXCEPT WHERE SLEEVES ARE REQUIRED. PLACE ALL VALVE BOXES IN SHRUB BEDS.
3. SEE CIVIL DRAWINGS FOR LOCATION OF POINT OF CONNECTION, METER SIZE, ETC.
4. BACKFLOW PREVENTER(S) TO BE IN COMPLIANCE WITH THE LAS VEGAS VALLEY WATER DISTRICT STANDARDS, CODES, AND REGULATIONS (LVVWD PLATE NO. 11).
5. INSTALL SLEEVING BASED ON THE SIZING GUIDE BELOW:

PIPE SIZE	REQUIRED SLEEVING
2 1/2" TO 3" PVC	1 - 6" SCH 40 PVC SLEEVE
1 1/4" TO 2" PVC	1 - 4" SCH 40 PVC SLEEVE
3/4" TO 1" PVC	1 - 2" SCH 40 PVC SLEEVE
WIRE QUANTITY	**REQUIRED SLEEVING**
1 - 25 CONTROL WIRES	1 - 2" SCH 40 PVC SLEEVE
26 - 50 CONTROL WIRES	2 - 2" SCH 40 PVC SLEEVE

6. CONTRACTOR TO PROVIDE ALL NECESSARY SLEEVING UNDER ROADS, CONCRETE SLABS, ETC.
7. VALVE BOXES TO BE PERMANENTLY BRANDED WITH CONTROLLER LETTER & STATION (EXAMPLES: STATION = A3, QUICK COUPLER = QC) LETTER AND STATION IDENTIFICATION SHALL BE 2 INCH HIGH MIN. VALVE BOXES TO HAVE LOCKING CAPABILITY. VALVE BOXES TO BE LOCATED IN PLANTING BEDS ONLY.
8. CONTRACTOR IS RESPONSIBLE TO VERIFY UTILITY LOCATION, OBTAIN, COORDINATE AND PAY FOR ANY PERMITS AND ALL INSPECTIONS AS REQUIRED.
9. CONTRACTOR RESPONSIBLE FOR POWER CONNECTION, PHONE LINE AND ACTIVATION OF IRRIGATION CONTROLLER(S) PRIOR TO SUBSTANTIAL COMPLETION.
10. CONTRACTOR TO PROVIDE POSITIVE DRAINAGE AWAY FROM ALL STRUCTURES, WALLS, AND ON ALL SIDEWALKS ACCORDING TO ALL CODES, REGULATIONS, AND REQUIREMENTS.
11. IF PIPING CROSSES PORTIONS OF ROADWAY NOT BEING IMPACTED BY CONSTRUCTION CONTRACTOR IS TO SAW CUT AND PATCH ASPHALT WHERE NECESSARY IN ORDER TO INSTALL PIPE AS SHOWN ON PLANS.
12. ALL WIRE SHALL BE SPLICED IN VALVE BOXES OR PULL BOXES ONLY.
13. VALVE BOXES SHALL BE CONCRETE WITH STEEL LID.
14. CONTRACTOR TO LOCATE AND INSTALL ONE ET GAUGE WITH STAINLESS STEEL HOUSING NEXT TO EACH IRRIGATION CONTROLLER AS SHOWN ON PLANS. CONTRACTOR TO MAKE FINAL CONNECTIONS TO CONTROLLER AS REQUIRED.
15. PRESSURE REDUCING VALVES ARE REQUIRED TO BE INSTALLED WHEN THE STATIC WATER PRESSURE IS IN EXCESS OF 80 PSI
16. RPPA'S IN MEDIAN REQUIRE BOLLARDS PER UDACS PLATES 4.8 AND 15. SEE LVVWD NORES FOR RPPA'S ON SHEET LN-1.



RECORD DRAWINGS
DATE: 09/12/12

These record drawings have been reviewed based upon information furnished by others. While this information is believed to be reliable, JW Zunino Landscape Architecture cannot assure their accuracy of these record drawings or any errors or omissions that may have been incorporated as a result. Those relying on these record drawings are advised to obtain independent verification of their accuracy before applying it for any purpose

0 40' 80' 120'
SCALE: 1" = 40'-0"

NORTH

Call before you OVERHEAD 1-702-402-2929 — AVOID HITTING OVERHEAD UTILITY LINES. IT'S EASY! — KEEP YOUR EVERYONE AND SAFETY SERVICES DEPARTMENT

Call before you Dig. 811 — AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S EASY! — UNDERGROUND SERVICE ALERT (USA)

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS-BUILT - 05.31.2012

REV. NO.	DATE	DESCRIPTION	APPROVED

XREF :
FILE :

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
LANDSCAPE IRRIGATION PLAN

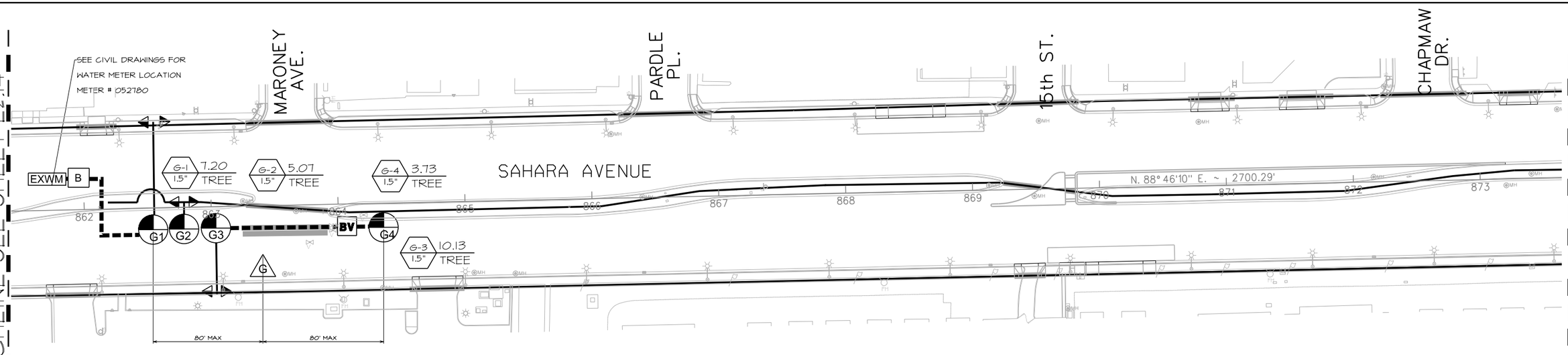
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No:	CB 1083	DRAWN BY:	SEC
DESIGNED BY:	SEC	CHECKED BY:	WTS
APPROVED BY	WTS		

J.W. ZUNINO LANDSCAPE ARCHITECTURE
LAS VEGAS NV — 3191 SUMMERLIN BLVD. I LAS VEGAS, NV 89146 — P 702.253.3300 | F 702.253.1010
CARLSBAD CA — 2246 FARADAY AVE. | CARLSBAD, CA 92008

SCALE
HORIZ : 1"=40'-0"
VERT : NA
FIELD BOOK :
NONE

SHEET No.
L2.14
Sheet 241 of 592



EMITTER SCHEDULE

PLANT SIZE	G.P.H.	QTY.	EMITTER	MANUFACTURER
36" BOX	16	8	SL220	BOWSMITH
24" BOX	16	8	SL220	BOWSMITH

IRRIGATION NOTES

1. THE CONTRACTOR SHALL VERIFY THE STATIC PRESSURE AT THE POINT OF CONNECTION AND MAKE FINAL CONNECTIONS ALLOWING FOR ANY POSSIBLE DEVIATIONS FROM LOCATION SHOWN ON PLANS DUE TO SITE CONDITIONS. ANY DEVIATIONS FROM THE DESIGN SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE.
2. THE IRRIGATION PLAN IS DRAWN FOR GRAPHIC CLARITY, WHERE PIPING AND VALVES ARE SHOWN IN CONCRETE AREAS, THE INTENT IS FOR THE PIPING AND VALVES TO BE PLACED IN THE ADJACENT PLANTING AREAS, EXCEPT WHERE SLEEVES ARE REQUIRED. PLACE ALL VALVE BOXES IN SHRUB BEDS.
3. SEE CIVIL DRAWINGS FOR LOCATION OF POINT OF CONNECTION, METER SIZE, ETC.
4. BACKFLOW PREVENTER(S) TO BE IN COMPLIANCE WITH THE LAS VEGAS VALLEY WATER DISTRICT STANDARDS, CODES, AND REGULATIONS (LVVWD PLATE NO. 11).
5. INSTALL SLEEVING BASED ON THE SIZING GUIDE BELOW:

PIPE SIZE	REQUIRED SLEEVING
2 1/2" TO 3" PVC	1 - 6" SCH 40 PVC SLEEVE
1 1/4" TO 2" PVC	1 - 4" SCH 40 PVC SLEEVE
3/4" TO 1" PVC	1 - 2" SCH 40 PVC SLEEVE

WIRE QUANTITY	REQUIRED SLEEVING
1 - 25 CONTROL WIRES	1 - 2" SCH 40 PVC SLEEVE
26 - 50 CONTROL WIRES	2 - 2" SCH 40 PVC SLEEVE

6. CONTRACTOR TO PROVIDE ALL NECESSARY SLEEVING UNDER ROADS, CONCRETE SLABS, ETC.
7. VALVE BOXES TO BE PERMANENTLY BRANDED WITH CONTROLLER LETTER & STATION (EXAMPLES: STATION = A3, QUICK COUPLER = QC) LETTER AND STATION IDENTIFICATION SHALL BE 2 INCH HIGH MIN. VALVE BOXES TO HAVE LOCKING CAPABILITY. VALVE BOXES TO BE LOCATED IN PLANTING BEDS ONLY.
8. CONTRACTOR IS RESPONSIBLE TO VERIFY UTILITY LOCATION, OBTAIN, COORDINATE AND PAY FOR ANY PERMITS AND ALL INSPECTIONS AS REQUIRED.
9. CONTRACTOR RESPONSIBLE FOR POWER CONNECTION, PHONE LINE AND ACTIVATION OF IRRIGATION CONTROLLER(S) PRIOR TO SUBSTANTIAL COMPLETION.
10. CONTRACTOR TO PROVIDE POSITIVE DRAINAGE AWAY FROM ALL STRUCTURES, WALLS, AND ON ALL SIDEWALKS ACCORDING TO ALL CODES, REGULATIONS, AND REQUIREMENTS.
11. IF PIPING CROSSES PORTIONS OF ROADWAY NOT BEING IMPACTED BY CONSTRUCTION CONTRACTOR IS TO SAW CUT AND PATCH ASPHALT WHERE NECESSARY IN ORDER TO INSTALL PIPE AS SHOWN ON PLANS.
12. ALL WIRE SHALL BE SPLICED IN VALVE BOXES OR PULL BOXES ONLY.
13. VALVE BOXES SHALL BE CONCRETE WITH STEEL LID.
14. CONTRACTOR TO LOCATE AND INSTALL ONE ET GAUGE WITH STAINLESS STEEL HOUSING NEXT TO EACH IRRIGATION CONTROLLER AS SHOWN ON PLANS. CONTRACTOR TO MAKE FINAL CONNECTIONS TO CONTROLLER AS REQUIRED.
15. PRESSURE REDUCING VALVES ARE REQUIRED TO BE INSTALLED WHEN THE STATIC WATER PRESSURE IS IN EXCESS OF 80 PSI
16. RPPA'S IN MEDIAN REQUIRE BOLLARDS PER UDACS PLATES 4.8 AND 15. SEE LVVWD NORES FOR RPPA'S ON SHEET UN-1.

IRRIGATION EQUIPMENT LEGEND

SYMBOL	DESCRIPTION	MANUFACTURER	MODEL	SIZE
PC	POINT OF CONNECTION	SEE CIVIL DRAWINGS		-----
B	BACKFLOW PREVENTER	FEBCO	825 YA	1"
WM	WATER METER	SEE CIVIL DRAWINGS		SEE CIVIL PLANS FOR SIZES AND LOCATION
EXWM	EXISTING WATER METER			CONFIRM LOCATION AND SIZE
	REMOTE CONTROL VALVE W/WYE FILTER & BALL VALVE	RAINBIRD AGRICULTURE PRODUCTS	PEB 4E-I-B-200	SIZE AS PER PLAN 1"
	PRESSURE REDUCING VALVE	SENNINGER	PMR-MF	1.5"
BV	BRONZE GATE VALVE	NIBCO	T-113	SIZE AS PER LINE
A B C D	IRRIGATION CONTROLLER	RAINBIRD	TBOS6CMUS	6 STATIONS
E F G H I J K L M N P Q R S	CONTROLLERS WILL NOT BE ON SITE, SHOWN FOR SEQUENCING ON PLANS.			
▪▪▪▪▪▪	PVC MAINLINE	2" & LARGER	CLASS 315	2"- SIZED FOR POTENTIAL EXPANSION
———	PVC LATERAL LINE	----	SCHEDULE 40	1.5"
NOT SHOWN	PVC FLEXIBLE TUBING SEE DETAIL 'L' ON L3.01	SALCO	PVC AR-050	1/2" I.D.
NOT SHOWN	EMITTER	BOWSMITH	SL220	SEE EMITTER SCHEDULE
▬▬▬	SLEEVE UNDER PAVED AREAS	-----	SCHEDULE 40	SEE NOTE #5

ID / SIZE — GPM — TYPE
- ID: IRRIGATION CONTROLLER
- GPM: FLOW IN GPM
- TYPE: PLANT MATERIAL
- SIZE: VALVE SIZE

PARADISE RD	JOE BROWN DR.	6th ST.	STATE ST	MARKET ST.	SAHARA AVENUE		SAHARA AVENUE								
L2.10	L2.11	L2.12	L2.13	L2.14	MARYLAND PKWY.	MAROONEY AVE.	CHAPMAN DR.	L2.16	SPENCER ST	L2.17	BURNHAM AVE	MARIPOSA AVE	L2.18	EASTERN AVE	L2.19	ATLANTIC ST	L2.20	MCLEOD ST	L2.21	MOJAVE RD	L2.22
KEY MAP																					

RECORD DRAWINGS
DATE: 09/12/12

These record drawings have been reviewed based upon information furnished by others. While this information is believed to be reliable, JW Zunino Landscape Architecture cannot assure their accuracy of these record drawings or any errors or omissions that may have been incorporated as a result. Those relying on these record drawings are advised to obtain independent verification of their accuracy before applying it for any purpose

0 40' 80' 120'
SCALE: 1" = 40'-0"

NORTH

Call before you OVERHEAD 1-702-402-2929 NEVADA POWER ENVIRONMENT AND SAFETY SERVICES DEPARTMENT

Call before you Dig. 811 UNDERGROUND SERVICE ALERT (USA)

AS-BUILT - 05.31.2012

REV. NO.	DATE	DESCRIPTION	APPROVED

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
LANDSCAPE IRRIGATION PLAN

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: SEC
DESIGNED BY: SEC CHECKED BY: WTS
APPROVED BY WTS

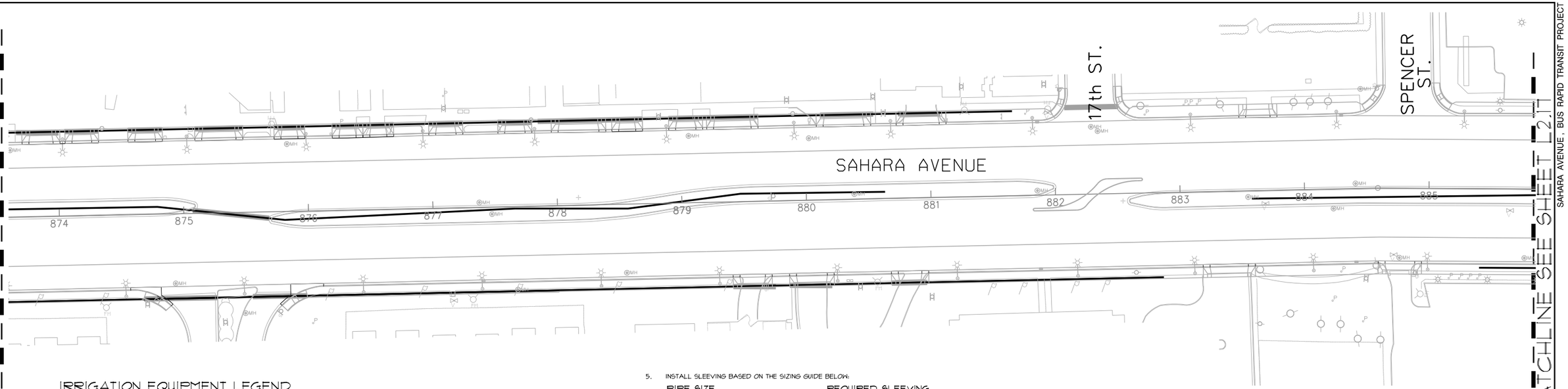
JW ZUNINO LANDSCAPE ARCHITECTURE
LAS VEGAS, NV 3131 BLONDES BLVD. I LAS VEGAS, NV 89146 P 702.793.9300 I F 702.793.1010
CARLSBAD, CA 2248 FARADAY AVE. I CARLSBAD, CA 92008

SCALE
HORIZ: 1"=40'-0"
VERT: NA
FIELD BOOK: NONE

SHEET No. L2.15

Sheet 242 of 592

XREF :
FILE :



SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS-BUILT - 05.31.2012

IRRIGATION EQUIPMENT LEGEND

SYMBOL	DESCRIPTION	MANUFACTURER	MODEL	SIZE
PC	POINT OF CONNECTION	SEE CIVIL DRAWINGS		-----
B	BACKFLOW PREVENTER	FEBCO	825 YA	1"
WM	WATER METER	SEE CIVIL DRAWINGS		SEE CIVIL PLANS FOR SIZES AND LOCATION
EXWM	EXISTING WATER METER			CONFIRM LOCATION AND SIZE
	REMOTE CONTROL VALVE WWYE FILTER & BALL VALVE	RAINBIRD AGRICULTURE PRODUCTS	PEB 4E-1-B-200	SIZE AS PER PLAN 1"
	PRESSURE REDUCING VALVE	SENNINGER	PMR-MF	1.5"
BV	BRONZE GATE VALVE	NIBCO	T-113	SIZE AS PER LINE
A B C D	IRRIGATION CONTROLLER	RAINBIRD	TBOS6CMUS	6 STATIONS
E F G H I J K L M N P Q R S	CONTROLLERS WILL NOT BE ON SITE, SHOWN FOR SEQUENCING ON PLANS.			
▪▪▪▪▪▪	PVC MAINLINE	2" & LARGER	CLASS 315	2"- SIZED FOR POTENTIAL EXPANSION
———	PVC LATERAL LINE	----	SCHEDULE 40	1.5"
NOT SHOWN	PVC FLEXIBLE TUBING SEE DETAIL 'L' ON L3.01	SALCO	PVC AR-050	1/2" I.D.
NOT SHOWN	EMITTER	BOWSMITH	SL220	SEE EMITTER SCHEDULE
▬▬▬	SLEEVE UNDER PAVED AREAS	-----	SCHEDULE 40	SEE NOTE #5

ID / SIZE — IRRIGATION CONTROLLER
GPM — FLOW IN GPM
TYPE — PLANT MATERIAL
VALVE SIZE

EMITTER SCHEDULE

PLANT SIZE	G.P.H.	QTY.	EMITTER	MANUFACTURER
36" BOX	16	8	SL220	BOWSMITH
24" BOX	16	8	SL220	BOWSMITH

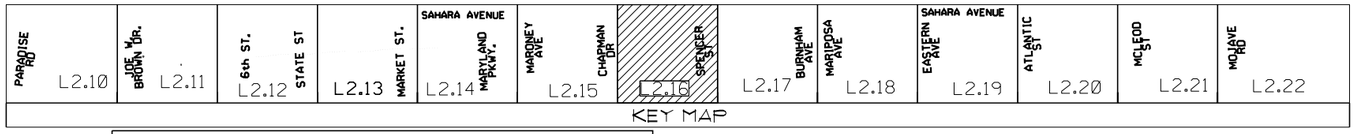
IRRIGATION NOTES

1. THE CONTRACTOR SHALL VERIFY THE STATIC PRESSURE AT THE POINT OF CONNECTION AND MAKE FINAL CONNECTIONS ALLOWING FOR ANY POSSIBLE DEVIATIONS FROM LOCATION SHOWN ON PLANS DUE TO SITE CONDITIONS. ANY DEVIATIONS FROM THE DESIGN SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE.
2. THE IRRIGATION PLAN IS DRAWN FOR GRAPHIC CLARITY, WHERE PIPING AND VALVES ARE SHOWN IN CONCRETE AREAS, THE INTENT IS FOR THE PIPING AND VALVES TO BE PLACED IN THE ADJACENT PLANTING AREAS, EXCEPT WHERE SLEEVES ARE REQUIRED. PLACE ALL VALVE BOXES IN SHRUB BEDS.
3. SEE CIVIL DRAWINGS FOR LOCATION OF POINT OF CONNECTION, METER SIZE, ETC.
4. BACKFLOW PREVENTER(S) TO BE IN COMPLIANCE WITH THE LAS VEGAS VALLEY WATER DISTRICT STANDARDS, CODES, AND REGULATIONS (LVVWD PLATE NO. 11).
5. INSTALL SLEEVING BASED ON THE SIZING GUIDE BELOW:

PIPE SIZE	REQUIRED SLEEVING
2 1/2" TO 3" PVC	1 - 6" SCH 40 PVC SLEEVE
1 1/4" TO 2" PVC	1 - 4" SCH 40 PVC SLEEVE
3/4" TO 1" PVC	1 - 2" SCH 40 PVC SLEEVE

WIRE QUANTITY	REQUIRED SLEEVING
1 - 25 CONTROL WIRES	1 - 2" SCH 40 PVC SLEEVE
26 - 50 CONTROL WIRES	2 - 2" SCH 40 PVC SLEEVE

6. CONTRACTOR TO PROVIDE ALL NECESSARY SLEEVING UNDER ROADS, CONCRETE SLABS, ETC.
7. VALVE BOXES TO BE PERMANENTLY BRANDED WITH CONTROLLER LETTER & STATION (EXAMPLES: STATION = A3, QUICK COUPLER = QC) LETTER AND STATION IDENTIFICATION SHALL BE 2 INCH HIGH MIN. VALVE BOXES TO HAVE LOCKING CAPABILITY. VALVE BOXES TO BE LOCATED IN PLANTING BEDS ONLY.
8. CONTRACTOR IS RESPONSIBLE TO VERIFY UTILITY LOCATION, OBTAIN, COORDINATE AND PAY FOR ANY PERMITS AND ALL INSPECTIONS AS REQUIRED.
9. CONTRACTOR RESPONSIBLE FOR POWER CONNECTION, PHONE LINE AND ACTIVATION OF IRRIGATION CONTROLLER(S) PRIOR TO SUBSTANTIAL COMPLETION.
10. CONTRACTOR TO PROVIDE POSITIVE DRAINAGE AWAY FROM ALL STRUCTURES, WALLS, AND ON ALL SIDEWALKS ACCORDING TO ALL CODES, REGULATIONS, AND REQUIREMENTS.
11. IF PIPING CROSSES PORTIONS OF ROADWAY NOT BEING IMPACTED BY CONSTRUCTION CONTRACTOR IS TO SAW CUT AND PATCH ASPHALT WHERE NECESSARY IN ORDER TO INSTALL PIPE AS SHOWN ON PLANS.
12. ALL WIRE SHALL BE SPLICED IN VALVE BOXES OR PULL BOXES ONLY.
13. VALVE BOXES SHALL BE CONCRETE WITH STEEL LID.
14. CONTRACTOR TO LOCATE AND INSTALL ONE ET GAUGE WITH STAINLESS STEEL HOUSING NEXT TO EACH IRRIGATION CONTROLLER AS SHOWN ON PLANS. CONTRACTOR TO MAKE FINAL CONNECTIONS TO CONTROLLER AS REQUIRED.
15. PRESSURE REDUCING VALVES ARE REQUIRED TO BE INSTALLED WHEN THE STATIC WATER PRESSURE IS IN EXCESS OF 80 PSI
16. RPPA'S IN MEDIAN REQUIRE BOLLARDS PER UDACS PLATES 4.8 AND 15. SEE LVVWD NORES FOR RPPA'S ON SHEET UN-1.



KEY MAP

RECORD DRAWINGS
DATE: 09/12/12

These record drawings have been reviewed based upon information furnished by others. While this information is believed to be reliable, JW Zunino Landscape Architecture cannot assure their accuracy of these record drawings or any errors or omissions that may have been incorporated as a result. Those relying on these record drawings are advised to obtain independent verification of their accuracy before applying it for any purpose

0 40' 80' 120'
SCALE: 1" = 40'-0"

NORTH

Call before you OVERHEAD 1-702-402-2929 NEVADA POWER ENVIRONMENT AND SAFETY SERVICES DEPARTMENT

Call before you Dig. 811 UNDERGROUND SERVICE ALERT (USA)

REV. NO.	DATE	DESCRIPTION	APPROVED

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
LANDSCAPE IRRIGATION PLAN

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No:	CB 1083	DRAWN BY:	SEC
DESIGNED BY:	SEC	CHECKED BY:	WTS
APPROVED BY	WTS		

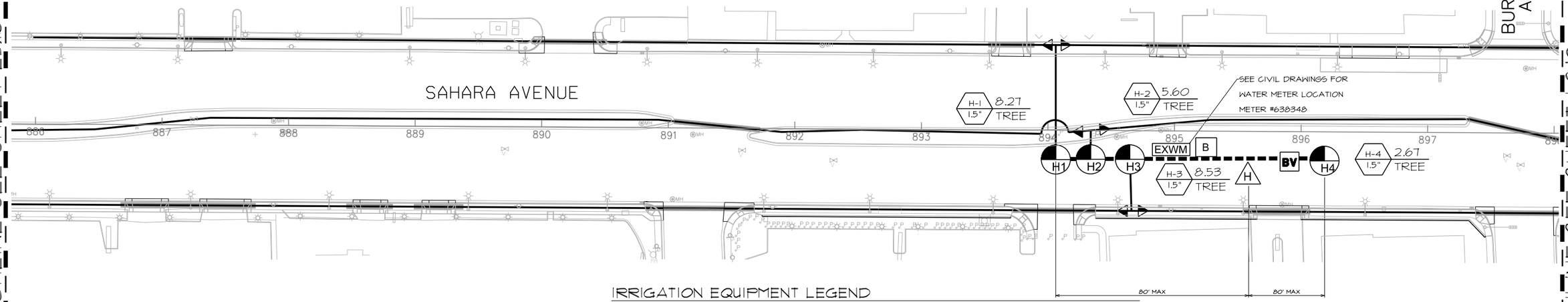
J W ZUNINO LANDSCAPE ARCHITECTURE
LAS VEGAS, NV — 3191 SUNRISE BLVD. | LAS VEGAS, NV 89145 | T 702.363.3300 | F 702.363.1555
CARLSBAD, CA — 2240 FARADAY AVE. | CARLSBAD, CA 92008

SCALE
HORIZ : 1"=40'-0"
VERT : NA
FIELD BOOK : NONE

SHEET No. L2.16

Sheet 243 of 592

XREF :
FILE :



IRRIGATION NOTES

1. THE CONTRACTOR SHALL VERIFY THE STATIC PRESSURE AT THE POINT OF CONNECTION AND MAKE FINAL CONNECTIONS ALLOWING FOR ANY POSSIBLE DEVIATIONS FROM LOCATION SHOWN ON PLANS DUE TO SITE CONDITIONS. ANY DEVIATIONS FROM THE DESIGN SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE.
2. THE IRRIGATION PLAN IS DRAWN FOR GRAPHIC CLARITY, WHERE PIPING AND VALVES ARE SHOWN IN CONCRETE AREAS, THE INTENT IS FOR THE PIPING AND VALVES TO BE PLACED IN THE ADJACENT PLANTING AREAS, EXCEPT WHERE SLEEVES ARE REQUIRED. PLACE ALL VALVE BOXES IN SHRUB BEDS.
3. SEE CIVIL DRAWINGS FOR LOCATION OF POINT OF CONNECTION, METER SIZE, ETC.
4. BACKFLOW PREVENTER(S) TO BE IN COMPLIANCE WITH THE LAS VEGAS VALLEY WATER DISTRICT STANDARDS, CODES, AND REGULATIONS (LVVWD PLATE NO. 11).
5. INSTALL SLEEVING BASED ON THE SIZING GUIDE BELOW:

PIPE SIZE	REQUIRED SLEEVING
2 1/2" TO 3" PVC	1 - 6" SCH 40 PVC SLEEVE
1 1/4" TO 2" PVC	1 - 4" SCH 40 PVC SLEEVE
3/4" TO 1" PVC	1 - 2" SCH 40 PVC SLEEVE

WIRE QUANTITY	REQUIRED SLEEVING
1 - 25 CONTROL WIRES	1 - 2" SCH 40 PVC SLEEVE
26 - 50 CONTROL WIRES	2 - 2" SCH 40 PVC SLEEVE

6. CONTRACTOR TO PROVIDE ALL NECESSARY SLEEVING UNDER ROADS, CONCRETE SLABS, ETC.
7. VALVE BOXES TO BE PERMANENTLY BRANDED WITH CONTROLLER LETTER & STATION (EXAMPLES: STATION = A3, QUICK COUPLER = QC) LETTER AND STATION IDENTIFICATION SHALL BE 2 INCH HIGH MIN. VALVE BOXES TO HAVE LOCKING CAPABILITY. VALVE BOXES TO BE LOCATED IN PLANTING BEDS ONLY.
8. CONTRACTOR IS RESPONSIBLE TO VERIFY UTILITY LOCATION, OBTAIN, COORDINATE AND PAY FOR ANY PERMITS AND ALL INSPECTIONS AS REQUIRED.
9. CONTRACTOR RESPONSIBLE FOR POWER CONNECTION, PHONE LINE AND ACTIVATION OF IRRIGATION CONTROLLER(S) PRIOR TO SUBSTANTIAL COMPLETION.
10. CONTRACTOR TO PROVIDE POSITIVE DRAINAGE AWAY FROM ALL STRUCTURES, WALLS, AND ON ALL SIDEWALKS ACCORDING TO ALL CODES, REGULATIONS, AND REQUIREMENTS.
11. IF PIPING CROSSES PORTIONS OF ROADWAY NOT BEING IMPACTED BY CONSTRUCTION CONTRACTOR IS TO SAW CUT AND PATCH ASPHALT WHERE NECESSARY IN ORDER TO INSTALL PIPE AS SHOWN ON PLANS.
12. ALL WIRE SHALL BE SPLICED IN VALVE BOXES OR PULL BOXES ONLY.
13. VALVE BOXES SHALL BE CONCRETE WITH STEEL LID.
14. CONTRACTOR TO LOCATE AND INSTALL ONE ET GAUGE WITH STAINLESS STEEL HOUSING NEXT TO EACH IRRIGATION CONTROLLER AS SHOWN ON PLANS. CONTRACTOR TO MAKE FINAL CONNECTIONS TO CONTROLLER AS REQUIRED.
15. PRESSURE REDUCING VALVES ARE REQUIRED TO BE INSTALLED WHEN THE STATIC WATER PRESSURE IS IN EXCESS OF 80 PSI
16. RPPA'S IN MEDIAN REQUIRE BOLLARDS PER UDACS PLATES 4.8 AND 15. SEE LVVWD NORES FOR RPPA'S ON SHEET UN-1.

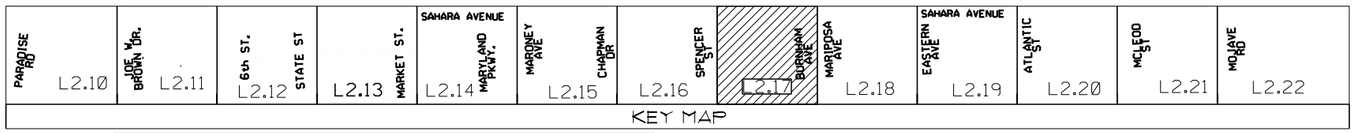
IRRIGATION EQUIPMENT LEGEND

SYMBOL	DESCRIPTION	MANUFACTURER	MODEL	SIZE
PC	POINT OF CONNECTION	SEE CIVIL DRAWINGS		-----
B	BACKFLOW PREVENTER	FEBCO	825 YA	1"
WM	WATER METER	SEE CIVIL DRAWINGS		SEE CIVIL PLANS FOR SIZES AND LOCATION
EXWM	EXISTING WATER METER			CONFIRM LOCATION AND SIZE
	REMOTE CONTROL VALVE	RAINBIRD	PEB	SIZE AS PER PLAN
F	WAYE FILTER & BALL VALVE	AGRICULTURE PRODUCTS	4E-1-B-200	1"
	PRESSURE REDUCING VALVE	SENNINGER	PMR-MF	1.5"
BV	BRONZE GATE VALVE	NIBCO	T-113	SIZE AS PER LINE
A B C D	IRRIGATION CONTROLLER	RAINBIRD	TBOS6CMUS	6 STATIONS
E F G H I J K L M N P Q R S	CONTROLLERS WILL NOT BE ON SITE, SHOWN FOR SEQUENCING ON PLANS.			
▪▪▪▪▪▪	PVC MAINLINE	2" & LARGER	CLASS 315	2"- SIZED FOR POTENTIAL EXPANSION
———	PVC LATERAL LINE	----	SCHEDULE 40	1.5"
NOT SHOWN	PVC FLEXIBLE TUBING SEE DETAIL 'L' ON L3.01	SALCO	PVC AR-050	1/2" I.D.
NOT SHOWN	EMITTER	BOWSMITH	SL220	SEE EMITTER SCHEDULE
▬▬▬	SLEEVE UNDER PAVED AREAS	-----	SCHEDULE 40	SEE NOTE #5

ID / SIZE — GPM — FLOW IN GPM; TYPE — PLANT MATERIAL; SIZE — VALVE SIZE; ID — IRRIGATION CONTROLLER

EMITTER SCHEDULE

PLANT SIZE	G.P.H.	QTY.	EMITTER	MANUFACTURER
36" BOX	16	8	SL220	BOWSMITH
24" BOX	16	8	SL220	BOWSMITH



RECORD DRAWINGS
DATE: 09/12/12

These record drawings have been reviewed based upon information furnished by others. While this information is believed to be reliable, JW Zunino Landscape Architecture cannot assure their accuracy of these record drawings or any errors or omissions that may have been incorporated as a result. Those relying on these record drawings are advised to obtain independent verification of their accuracy before applying it for any purpose

0 40' 80' 120'
SCALE: 1" = 40'-0"

NORTH

Call before you OVERHEAD 1-702-402-2929 NEVADA POWER ENVIRONMENT AND SAFETY SERVICES DEPARTMENT

Call before you Dig. 811 UNDERGROUND SERVICE ALERT (USA)

REV. NO.	DATE	DESCRIPTION	APPROVED

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
LANDSCAPE IRRIGATION PLAN

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: SEC
DESIGNED BY: SEC CHECKED BY: WTS
APPROVED BY WTS

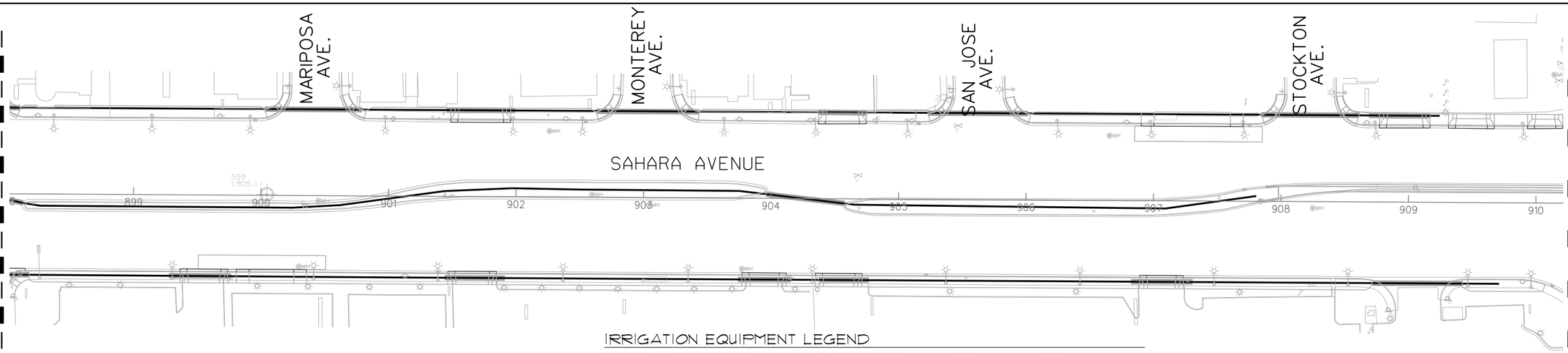
JW ZUNINO LANDSCAPE ARCHITECTURE
LAS VEGAS, NV 3191 SUNRISE BLVD. | LAS VEGAS, NV 89145 P 702.353.3300 | F 702.353.3333
CARLSBAD, CA 2240 FARADAY AVE. | CARLSBAD, CA 92008

SCALE
HORIZ : 1"=40'-0"
VERT : NA
FIELD BOOK : NONE

SHEET No. L2.17

Sheet 244 of 592

XREF :
FILE :



SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

IRRIGATION NOTES

1. THE CONTRACTOR SHALL VERIFY THE STATIC PRESSURE AT THE POINT OF CONNECTION AND MAKE FINAL CONNECTIONS ALLOWING FOR ANY POSSIBLE DEVIATIONS FROM LOCATION SHOWN ON PLANS DUE TO SITE CONDITIONS. ANY DEVIATIONS FROM THE DESIGN SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE.
2. THE IRRIGATION PLAN IS DRAWN FOR GRAPHIC CLARITY, WHERE PIPING AND VALVES ARE SHOWN IN CONCRETE AREAS, THE INTENT IS FOR THE PIPING AND VALVES TO BE PLACED IN THE ADJACENT PLANTING AREAS, EXCEPT WHERE SLEEVES ARE REQUIRED. PLACE ALL VALVE BOXES IN SHRUB BEDS.
3. SEE CIVIL DRAWINGS FOR LOCATION OF POINT OF CONNECTION, METER SIZE, ETC.
4. BACKFLOW PREVENTER(S) TO BE IN COMPLIANCE WITH THE LAS VEGAS VALLEY WATER DISTRICT STANDARDS, CODES, AND REGULATIONS (LVVWD PLATE NO. 11).
5. INSTALL SLEEVING BASED ON THE SIZING GUIDE BELOW:

PIPE SIZE	REQUIRED SLEEVING
2 1/2" TO 3" PVC	1 - 6" SCH 40 PVC SLEEVE
1 1/4" TO 2" PVC	1 - 4" SCH 40 PVC SLEEVE
3/4" TO 1" PVC	1 - 2" SCH 40 PVC SLEEVE

WIRE QUANTITY	REQUIRED SLEEVING
1 - 25 CONTROL WIRES	1 - 2" SCH 40 PVC SLEEVE
26 - 50 CONTROL WIRES	2 - 2" SCH 40 PVC SLEEVE

6. CONTRACTOR TO PROVIDE ALL NECESSARY SLEEVING UNDER ROADS, CONCRETE SLABS, ETC.
7. VALVE BOXES TO BE PERMANENTLY BRANDED WITH CONTROLLER LETTER & STATION (EXAMPLES: STATION = A3, QUICK COUPLER = QC) LETTER AND STATION IDENTIFICATION SHALL BE 2 INCH HIGH MIN. VALVE BOXES TO HAVE LOCKING CAPABILITY. VALVE BOXES TO BE LOCATED IN PLANTING BEDS ONLY.
8. CONTRACTOR IS RESPONSIBLE TO VERIFY UTILITY LOCATION, OBTAIN, COORDINATE AND PAY FOR ANY PERMITS AND ALL INSPECTIONS AS REQUIRED.
9. CONTRACTOR RESPONSIBLE FOR POWER CONNECTION, PHONE LINE AND ACTIVATION OF IRRIGATION CONTROLLER(S) PRIOR TO SUBSTANTIAL COMPLETION.
10. CONTRACTOR TO PROVIDE POSITIVE DRAINAGE AWAY FROM ALL STRUCTURES, WALLS, AND ON ALL SIDEWALKS ACCORDING TO ALL CODES, REGULATIONS, AND REQUIREMENTS.
11. IF PIPING CROSSES PORTIONS OF ROADWAY NOT BEING IMPACTED BY CONSTRUCTION CONTRACTOR IS TO SAW CUT AND PATCH ASPHALT WHERE NECESSARY IN ORDER TO INSTALL PIPE AS SHOWN ON PLANS.
12. ALL WIRE SHALL BE SPLICED IN VALVE BOXES OR PULL BOXES ONLY.
13. VALVE BOXES SHALL BE CONCRETE WITH STEEL LID.
14. CONTRACTOR TO LOCATE AND INSTALL ONE ET GAUGE WITH STAINLESS STEEL HOUSING NEXT TO EACH IRRIGATION CONTROLLER AS SHOWN ON PLANS. CONTRACTOR TO MAKE FINAL CONNECTIONS TO CONTROLLER AS REQUIRED.
15. PRESSURE REDUCING VALVES ARE REQUIRED TO BE INSTALLED WHEN THE STATIC WATER PRESSURE IS IN EXCESS OF 80 PSI
16. RPPA'S IN MEDIAN REQUIRE BOLLARDS PER UDACS PLATES 4.8 AND 15. SEE LVVWD NORES FOR RPPA'S ON SHEET UN-1.

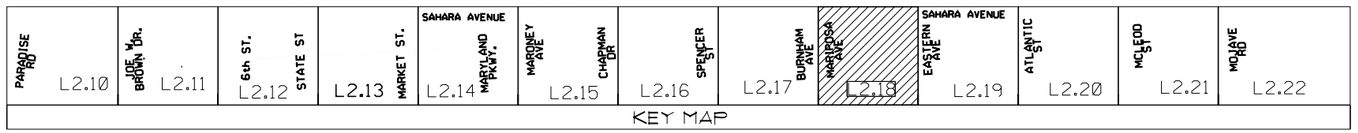
IRRIGATION EQUIPMENT LEGEND

SYMBOL	DESCRIPTION	MANUFACTURER	MODEL	SIZE
PC	POINT OF CONNECTION	SEE CIVIL DRAWINGS		-----
B	BACKFLOW PREVENTER	FEBCO	825 YA	1"
WM	WATER METER	SEE CIVIL DRAWINGS		SEE CIVIL PLANS FOR SIZES AND LOCATION
EXWM	EXISTING WATER METER			CONFIRM LOCATION AND SIZE
	REMOTE CONTROL VALVE	RAINBIRD	PEB	SIZE AS PER PLAN
	WYE FILTER & BALL VALVE	AGRICULTURE PRODUCTS	4E-1-B-200	1"
	PRESSURE REDUCING VALVE	SENNINGER	PMR-MF	1.5"
BV	BRONZE GATE VALVE	NIBCO	T-113	SIZE AS PER LINE
A B C D	IRRIGATION CONTROLLER	RAINBIRD	TBOS6CMUS	6 STATIONS
E F G H I J K L M N P Q R S	CONTROLLERS WILL NOT BE ON SITE, SHOWN FOR SEQUENCING ON PLANS.			
▪▪▪▪▪▪	PVC MAINLINE	2" & LARGER	CLASS 315	2"- SIZED FOR POTENTIAL EXPANSION
———	PVC LATERAL LINE	----	SCHEDULE 40	1.5"
NOT SHOWN	PVC FLEXIBLE TUBING SEE DETAIL 'L' ON L3.01	SALCO	PVC AR-050	1/2" I.D.
NOT SHOWN	EMITTER	BOWSMITH	SL220	SEE EMITTER SCHEDULE
▬▬▬	SLEEVE UNDER PAVED AREAS	-----	SCHEDULE 40	SEE NOTE #5

ID — IRRIGATION CONTROLLER
SIZE — GPM — FLOW IN GPM
TYPE — PLANT MATERIAL
VALVE SIZE

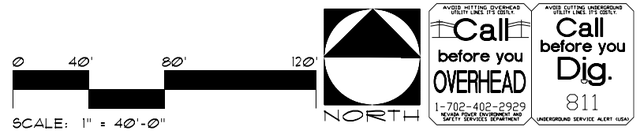
EMITTER SCHEDULE

PLANT SIZE	G.P.H.	QTY.	EMITTER	MANUFACTURER
36" BOX	16	8	SL220	BOWSMITH
24" BOX	16	8	SL220	BOWSMITH



RECORD DRAWINGS
DATE: 09/12/12

These record drawings have been reviewed based upon information furnished by others. While this information is believed to be reliable, JW Zunino Landscape Architecture cannot assure their accuracy of these record drawings or any errors or omissions that may have been incorporated as a result. Those relying on these record drawings are advised to obtain independent verification of their accuracy before applying it for any purpose



REV. NO.	DATE	DESCRIPTION	APPROVED

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
LANDSCAPE IRRIGATION PLAN

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No:	CB 1083	DRAWN BY:	SEC
DESIGNED BY:	SEC	CHECKED BY:	WTS
APPROVED BY	WTS		

J W ZUNINO LANDSCAPE ARCHITECTURE
LAS VEGAS NV 3191 SUCCESS BLVD. | LAS VEGAS, NV 89146 P 702.795.3300 | F 702.795.1010
CARLSBAD CA 2246 FARADAY AVE. | CARLSBAD, CA 92008

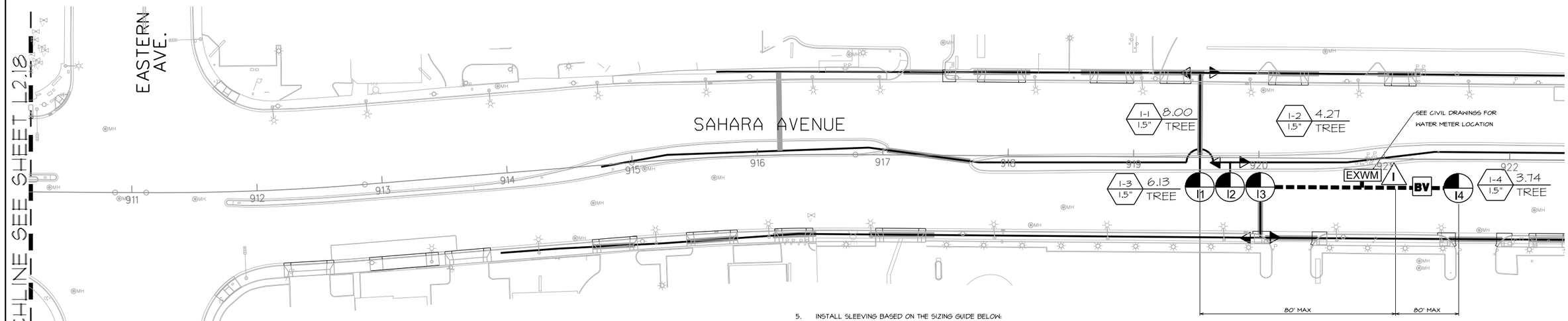
SCALE
HORIZ : 1"=40'-0"
VERT : NA
FIELD BOOK : NONE

SHEET No. L2.18

Sheet 245 of 592

AS-BUILT - 05.31.2012

XREF :
FILE :



IRRIGATION EQUIPMENT LEGEND

SYMBOL	DESCRIPTION	MANUFACTURER	MODEL	SIZE
PC	POINT OF CONNECTION	SEE CIVIL DRAWINGS		-----
B	BACKFLOW PREVENTER	FEBCO	825 YA	1"
WM	WATER METER	SEE CIVIL DRAWINGS		SEE CIVIL PLANS FOR SIZES AND LOCATION
EXWM	EXISTING WATER METER			CONFIRM LOCATION AND SIZE
	REMOTE CONTROL VALVE W/WYE FILTER & BALL VALVE	RAINBIRD AGRICULTURE PRODUCTS	PEB 4E-I-B-200	SIZE AS PER PLAN 1"
	PRESSURE REDUCING VALVE	SENNINGER	PMR-MF	1.5"
BV	BRONZE GATE VALVE	NIBCO	T-113	SIZE AS PER LINE
A B C D E F G H I J K L M N P Q R S	IRRIGATION CONTROLLER	RAINBIRD	TBOS6CMUS	6 STATIONS
	CONTROLLERS WILL NOT BE ON SITE, SHOWN FOR SEQUENCING ON PLANS.			
	PVC MAINLINE	2" & LARGER	CLASS 315	2"- SIZED FOR POTENTIAL EXPANSION
	PVC LATERAL LINE	----	SCHEDULE 40	1.5"
NOT SHOWN	PVC FLEXIBLE TUBING SEE DETAIL 'L' ON L3.01	SALCO	PVC AR-050	1/2" I.D.
NOT SHOWN	EMITTER	BOWSMITH	SL220	SEE EMITTER SCHEDULE
	SLEEVE UNDER PAVED AREAS	-----	SCHEDULE 40	SEE NOTE #5

ID / SIZE — GPM — TYPE
IRRIGATION CONTROLLER
FLOW IN GPM
PLANT MATERIAL
VALVE SIZE

EMITTER SCHEDULE

PLANT SIZE	G.P.H.	QTY.	EMITTER	MANUFACTURER
36" BOX	16	8	SL220	BOWSMITH
24" BOX	16	8	SL220	BOWSMITH

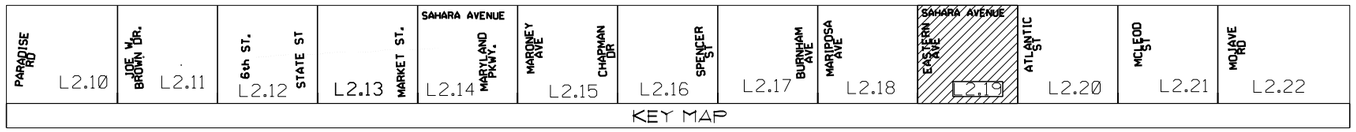
IRRIGATION NOTES

1. THE CONTRACTOR SHALL VERIFY THE STATIC PRESSURE AT THE POINT OF CONNECTION AND MAKE FINAL CONNECTIONS ALLOWING FOR ANY POSSIBLE DEVIATIONS FROM LOCATION SHOWN ON PLANS DUE TO SITE CONDITIONS. ANY DEVIATIONS FROM THE DESIGN SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE.
2. THE IRRIGATION PLAN IS DRAWN FOR GRAPHIC CLARITY, WHERE PIPING AND VALVES ARE SHOWN IN CONCRETE AREAS, THE INTENT IS FOR THE PIPING AND VALVES TO BE PLACED IN THE ADJACENT PLANTING AREAS, EXCEPT WHERE SLEEVES ARE REQUIRED. PLACE ALL VALVE BOXES IN SHRUB BEDS.
3. SEE CIVIL DRAWINGS FOR LOCATION OF POINT OF CONNECTION, METER SIZE, ETC.
4. BACKFLOW PREVENTER(S) TO BE IN COMPLIANCE WITH THE LAS VEGAS VALLEY WATER DISTRICT STANDARDS, CODES, AND REGULATIONS (LVVWD PLATE NO. 11).
5. INSTALL SLEEVING BASED ON THE SIZING GUIDE BELOW:

PIPE SIZE	REQUIRED SLEEVING
2 1/2" TO 3" PVC	1 - 6" SCH 40 PVC SLEEVE
1 1/4" TO 2" PVC	1 - 4" SCH 40 PVC SLEEVE
3/4" TO 1" PVC	1 - 2" SCH 40 PVC SLEEVE

WIRE QUANTITY	REQUIRED SLEEVING
1 - 25 CONTROL WIRES	1 - 2" SCH 40 PVC SLEEVE
26 - 50 CONTROL WIRES	2 - 2" SCH 40 PVC SLEEVE

6. CONTRACTOR TO PROVIDE ALL NECESSARY SLEEVING UNDER ROADS, CONCRETE SLABS, ETC.
7. VALVE BOXES TO BE PERMANENTLY BRANDED WITH CONTROLLER LETTER & STATION (EXAMPLES: STATION = A3, QUICK COUPLER = GC) LETTER AND STATION IDENTIFICATION SHALL BE 2 INCH HIGH MIN. VALVE BOXES TO HAVE LOCKING CAPABILITY. VALVE BOXES TO BE LOCATED IN PLANTING BEDS ONLY.
8. CONTRACTOR IS RESPONSIBLE TO VERIFY UTILITY LOCATION, OBTAIN, COORDINATE AND PAY FOR ANY PERMITS AND ALL INSPECTIONS AS REQUIRED.
9. CONTRACTOR RESPONSIBLE FOR POWER CONNECTION, PHONE LINE AND ACTIVATION OF IRRIGATION CONTROLLER(S) PRIOR TO SUBSTANTIAL COMPLETION.
10. CONTRACTOR TO PROVIDE POSITIVE DRAINAGE AWAY FROM ALL STRUCTURES, WALLS, AND ON ALL SIDEWALKS ACCORDING TO ALL CODES, REGULATIONS, AND REQUIREMENTS.
11. IF PIPING CROSSES PORTIONS OF ROADWAY NOT BEING IMPACTED BY CONSTRUCTION CONTRACTOR IS TO SAW CUT AND PATCH ASPHALT WHERE NECESSARY IN ORDER TO INSTALL PIPE AS SHOWN ON PLANS.
12. ALL WIRE SHALL BE SPLICED IN VALVE BOXES OR PULL BOXES ONLY.
13. VALVE BOXES SHALL BE CONCRETE WITH STEEL LID.
14. CONTRACTOR TO LOCATE AND INSTALL ONE ET GAUGE WITH STAINLESS STEEL HOUSING NEXT TO EACH IRRIGATION CONTROLLER AS SHOWN ON PLANS. CONTRACTOR TO MAKE FINAL CONNECTIONS TO CONTROLLER AS REQUIRED.
15. PRESSURE REDUCING VALVES ARE REQUIRED TO BE INSTALLED WHEN THE STATIC WATER PRESSURE IS IN EXCESS OF 80 PSI
16. RPPA'S IN MEDIAN REQUIRE BOLLARDS PER UDACS PLATES 4.8 AND 15. SEE LVVWD NORES FOR RPPA'S ON SHEET UN-1.



RECORD DRAWINGS
DATE: 09/12/12

These record drawings have been reviewed based upon information furnished by others. While this information is believed to be reliable, JW Zunino Landscape Architecture cannot assure their accuracy of these record drawings or any errors or omissions that may have been incorporated as a result. Those relying on these record drawings are advised to obtain independent verification of their accuracy before applying it for any purpose

0 40' 80' 120'
SCALE: 1" = 40'-0"
NORTH

AVOID HITTING OVERHEAD UTILITY LINES. IT'S ILLEGAL. Call before you OVERHEAD 1-702-402-2929 NEVADA POWER ENVIRONMENT AND SAFETY SERVICES DEPARTMENT

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S ILLEGAL. Call before you Dig. 811 UNDERGROUND SERVICE ALERT (USA)

REV. NO.	DATE	DESCRIPTION	APPROVED

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
LANDSCAPE IRRIGATION PLAN

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No:	CB 1083	DRAWN BY:	SEC
DESIGNED BY:	SEC	CHECKED BY:	WTS
APPROVED BY	WTS		

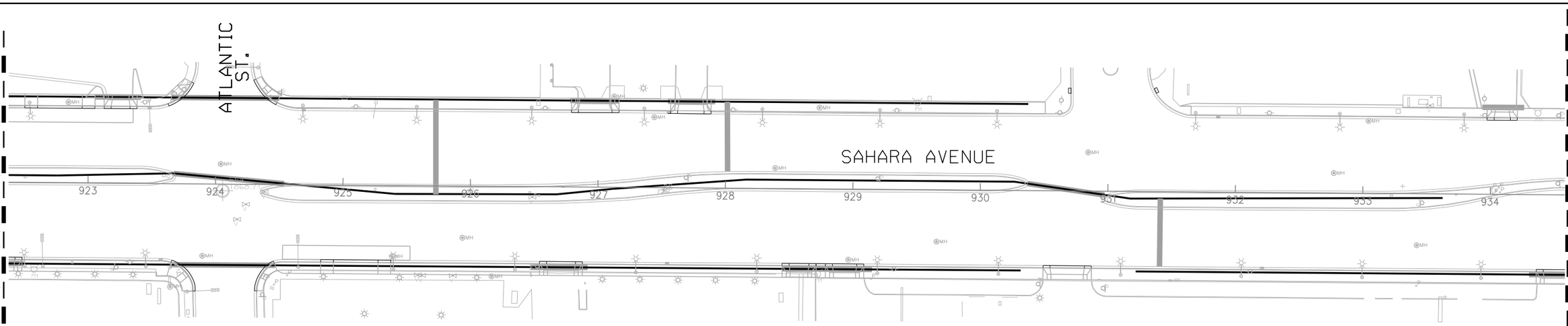
JW ZUNINO LANDSCAPE ARCHITECTURE
LAS VEGAS, NV 3191 SUNRISE BLVD. | LAS VEGAS, NV 89149 P 702.253.2200 | F 702.253.1010
CARLSBAD, CA 2246 FARADAY AVE. | CARLSBAD, CA 92008

SCALE
HORIZ : 1"=40'-0"
VERT : NA
FIELD BOOK : NONE

SHEET No. L2.19
Sheet 246 of 592

XREF :
FILE :

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT
AS-BUILT - 05.31.2012



IRRIGATION NOTES

1. THE CONTRACTOR SHALL VERIFY THE STATIC PRESSURE AT THE POINT OF CONNECTION AND MAKE FINAL CONNECTIONS ALLOWING FOR ANY POSSIBLE DEVIATIONS FROM LOCATION SHOWN ON PLANS DUE TO SITE CONDITIONS. ANY DEVIATIONS FROM THE DESIGN SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE.
2. THE IRRIGATION PLAN IS DRAWN FOR GRAPHIC CLARITY, WHERE PIPING AND VALVES ARE SHOWN IN CONCRETE AREAS, THE INTENT IS FOR THE PIPING AND VALVES TO BE PLACED IN THE ADJACENT PLANTING AREAS, EXCEPT WHERE SLEEVES ARE REQUIRED. PLACE ALL VALVE BOXES IN SHRUB BEDS.
3. SEE CIVIL DRAWINGS FOR LOCATION OF POINT OF CONNECTION, METER SIZE, ETC.
4. BACKFLOW PREVENTER(S) TO BE IN COMPLIANCE WITH THE LAS VEGAS VALLEY WATER DISTRICT STANDARDS, CODES, AND REGULATIONS (LVVWD PLATE NO. 11).
5. INSTALL SLEEVING BASED ON THE SIZING GUIDE BELOW:

PIPE SIZE	REQUIRED SLEEVING
2 1/2" TO 3" PVC	1 - 6" SCH 40 PVC SLEEVE
1 1/4" TO 2" PVC	1 - 4" SCH 40 PVC SLEEVE
3/4" TO 1" PVC	1 - 2" SCH 40 PVC SLEEVE

WIRE QUANTITY	REQUIRED SLEEVING
1 - 25 CONTROL WIRES	1 - 2" SCH 40 PVC SLEEVE
26 - 50 CONTROL WIRES	2 - 2" SCH 40 PVC SLEEVE

6. CONTRACTOR TO PROVIDE ALL NECESSARY SLEEVING UNDER ROADS, CONCRETE SLABS, ETC.
7. VALVE BOXES TO BE PERMANENTLY BRANDED WITH CONTROLLER LETTER & STATION (EXAMPLES: STATION = A3, QUICK COUPLER = QC) LETTER AND STATION IDENTIFICATION SHALL BE 2 INCH HIGH MIN. VALVE BOXES TO HAVE LOCKING CAPABILITY. VALVE BOXES TO BE LOCATED IN PLANTING BEDS ONLY.
8. CONTRACTOR IS RESPONSIBLE TO VERIFY UTILITY LOCATION, OBTAIN, COORDINATE AND PAY FOR ANY PERMITS AND ALL INSPECTIONS AS REQUIRED.
9. CONTRACTOR RESPONSIBLE FOR POWER CONNECTION, PHONE LINE AND ACTIVATION OF IRRIGATION CONTROLLER(S) PRIOR TO SUBSTANTIAL COMPLETION.
10. CONTRACTOR TO PROVIDE POSITIVE DRAINAGE AWAY FROM ALL STRUCTURES, WALLS, AND ON ALL SIDEWALKS ACCORDING TO ALL CODES, REGULATIONS, AND REQUIREMENTS.
11. IF PIPING CROSSES PORTIONS OF ROADWAY NOT BEING IMPACTED BY CONSTRUCTION CONTRACTOR IS TO SAW CUT AND PATCH ASPHALT WHERE NECESSARY IN ORDER TO INSTALL PIPE AS SHOWN ON PLANS.
12. ALL WIRE SHALL BE SPLICED IN VALVE BOXES OR PULL BOXES ONLY.
13. VALVE BOXES SHALL BE CONCRETE WITH STEEL LID.
14. CONTRACTOR TO LOCATE AND INSTALL ONE ET GAUGE WITH STAINLESS STEEL HOUSING NEXT TO EACH IRRIGATION CONTROLLER AS SHOWN ON PLANS. CONTRACTOR TO MAKE FINAL CONNECTIONS TO CONTROLLER AS REQUIRED.
15. PRESSURE REDUCING VALVES ARE REQUIRED TO BE INSTALLED WHEN THE STATIC WATER PRESSURE IS IN EXCESS OF 80 PSI
16. RPPA'S IN MEDIAN REQUIRE BOLLARDS PER UDACS PLATES 4.8 AND 7.5. SEE LVVWD NORES FOR RPPA'S ON SHEET UN-1.

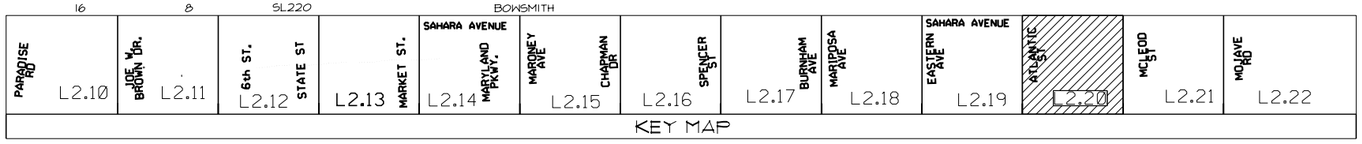
IRRIGATION EQUIPMENT LEGEND

SYMBOL	DESCRIPTION	MANUFACTURER	MODEL	SIZE
PC	POINT OF CONNECTION	SEE CIVIL DRAWINGS		-----
B	BACKFLOW PREVENTER	FEBCO	825 YA	1"
WM	WATER METER	SEE CIVIL DRAWINGS		SEE CIVIL PLANS FOR SIZES AND LOCATION
EXWM	EXISTING WATER METER			CONFIRM LOCATION AND SIZE
	REMOTE CONTROL VALVE W/WYE FILTER & BALL VALVE	RAINBIRD AGRICULTURE PRODUCTS	PEB 4E-I-B-200	SIZE AS PER PLAN 1"
	PRESSURE REDUCING VALVE	SENNINGER	PMR-MF	1.5"
BV	BRONZE GATE VALVE	NIBCO	T-113	SIZE AS PER LINE
A B C D	IRRIGATION CONTROLLER	RAINBIRD	TBOS6CMUS	6 STATIONS
E F G H I J K L M N P Q R S	CONTROLLERS WILL NOT BE ON SITE, SHOWN FOR SEQUENCING ON PLANS.			
■■■■■■	PVC MAINLINE	2" & LARGER	CLASS 315	2"- SIZED FOR POTENTIAL EXPANSION
———	PVC LATERAL LINE	----	SCHEDULE 40	1.5"
NOT SHOWN	PVC FLEXIBLE TUBING SEE DETAIL '1' ON L3.01	SALCO	PVC AR-050	1/2" I.D.
NOT SHOWN	EMITTER	BOWSMITH	SL220	SEE EMITTER SCHEDULE
■■■■■	SLEEVE UNDER PAVED AREAS	-----	SCHEDULE 40	SEE NOTE #5

ID — IRRIGATION CONTROLLER
GPM — FLOW IN GPM
TYPE — PLANT MATERIAL
SIZE — VALVE SIZE

EMITTER SCHEDULE

PLANT SIZE	G.P.H.	QTY.	EMITTER	MANUFACTURER
36" BOX	16	8	SL220	BOWSMITH
24" BOX	16	8	SL220	BOWSMITH



RECORD DRAWINGS
DATE: 09/12/12

These record drawings have been reviewed based upon information furnished by others. While this information is believed to be reliable, JW Zunino Landscape Architecture cannot assure their accuracy of these record drawings or any errors or omissions that may have been incorporated as a result. Those relying on these record drawings are advised to obtain independent verification of their accuracy before applying it for any purpose

0 40' 80' 120'
SCALE: 1" = 40'-0"

NORTH

Call before you OVERHEAD 1-702-402-2929 — AVOID HITTING OVERHEAD UTILITY LINES. IT'S EASY!
Call before you Dig. 811 — AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S EASY!

AS-BUILT - 05.31.2012

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

REV. NO.	DATE	DESCRIPTION	APPROVED

XREF :
FILE :

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
LANDSCAPE IRRIGATION PLAN

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

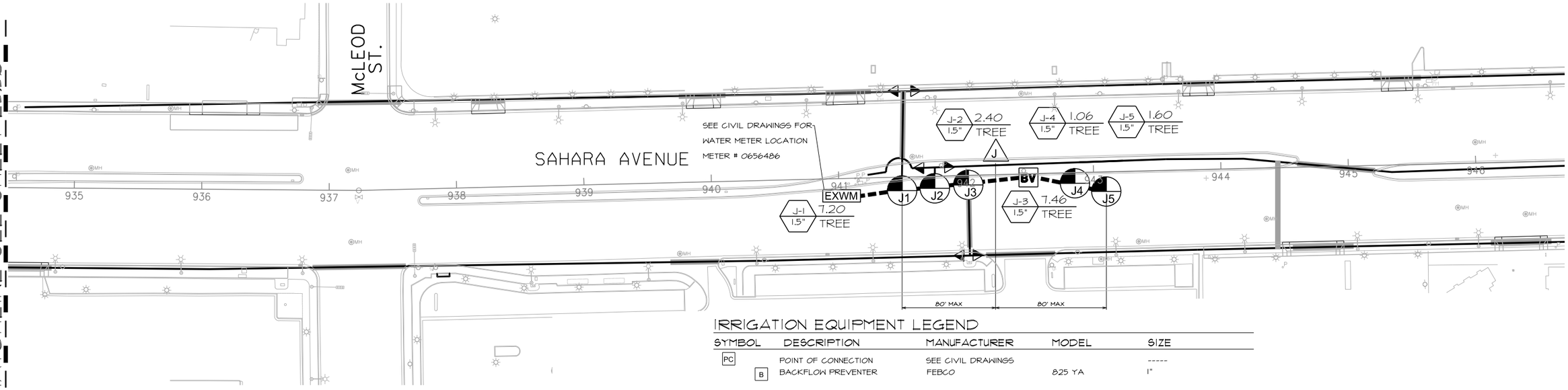
PROJECT No: CB 1083 DRAWN BY: SEC
DESIGNED BY: SEC CHECKED BY: WTS
APPROVED BY WTS

J W ZUNINO LANDSCAPE ARCHITECTURE
LAS VEGAS NV 3191 SLOANES BLVD. | LAS VEGAS, NV 89146 P 702.753.2300 | F 702.951.1010
CARLSBAD CA 2248 FARADAY AVE. | CARLSBAD, CA 92008

SCALE
HORIZ : 1"=40'-0"
VERT : NA
FIELD BOOK : NONE

SHEET No. L2.20
Sheet 247 of 592

MATCHLINE SEE SHEET L2.20



MATCHLINE SEE SHEET L2.22

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS-BUILT - 05.31.2012

IRRIGATION NOTES

1. THE CONTRACTOR SHALL VERIFY THE STATIC PRESSURE AT THE POINT OF CONNECTION AND MAKE FINAL CONNECTIONS ALLOWING FOR ANY POSSIBLE DEVIATIONS FROM LOCATION SHOWN ON PLANS DUE TO SITE CONDITIONS. ANY DEVIATIONS FROM THE DESIGN SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE.
2. THE IRRIGATION PLAN IS DRAWN FOR GRAPHIC CLARITY, WHERE PIPING AND VALVES ARE SHOWN IN CONCRETE AREAS, THE INTENT IS FOR THE PIPING AND VALVES TO BE PLACED IN THE ADJACENT PLANTING AREAS, EXCEPT WHERE SLEEVES ARE REQUIRED. PLACE ALL VALVE BOXES IN SHRUB BEDS.
3. SEE CIVIL DRAWINGS FOR LOCATION OF POINT OF CONNECTION, METER SIZE, ETC.
4. BACKFLOW PREVENTER(S) TO BE IN COMPLIANCE WITH THE LAS VEGAS VALLEY WATER DISTRICT STANDARDS, CODES, AND REGULATIONS (LVVWD PLATE NO. 11).
5. INSTALL SLEEVING BASED ON THE SIZING GUIDE BELOW:

PIPE SIZE	REQUIRED SLEEVING
2 1/2" TO 3" PVC	1 - 6" SCH 40 PVC SLEEVE
1 1/4" TO 2" PVC	1 - 4" SCH 40 PVC SLEEVE
3/4" TO 1" PVC	1 - 2" SCH 40 PVC SLEEVE

WIRE QUANTITY	REQUIRED SLEEVING
1 - 25 CONTROL WIRES	1 - 2" SCH 40 PVC SLEEVE
26 - 50 CONTROL WIRES	2 - 2" SCH 40 PVC SLEEVE

6. CONTRACTOR TO PROVIDE ALL NECESSARY SLEEVING UNDER ROADS, CONCRETE SLABS, ETC.
7. VALVE BOXES TO BE PERMANENTLY BRANDED WITH CONTROLLER LETTER & STATION (EXAMPLES: STATION = A3, QUICK COUPLER = QC) LETTER AND STATION IDENTIFICATION SHALL BE 2 INCH HIGH MIN. VALVE BOXES TO HAVE LOCKING CAPABILITY. VALVE BOXES TO BE LOCATED IN PLANTING BEDS ONLY.
8. CONTRACTOR IS RESPONSIBLE TO VERIFY UTILITY LOCATION, OBTAIN, COORDINATE AND PAY FOR ANY PERMITS AND ALL INSPECTIONS AS REQUIRED.
9. CONTRACTOR RESPONSIBLE FOR POWER CONNECTION, PHONE LINE AND ACTIVATION OF IRRIGATION CONTROLLER(S) PRIOR TO SUBSTANTIAL COMPLETION.
10. CONTRACTOR TO PROVIDE POSITIVE DRAINAGE AWAY FROM ALL STRUCTURES, WALLS, AND ON ALL SIDEWALKS ACCORDING TO ALL CODES, REGULATIONS, AND REQUIREMENTS.
11. IF PIPING CROSSES PORTIONS OF ROADWAY NOT BEING IMPACTED BY CONSTRUCTION CONTRACTOR IS TO SAW CUT AND PATCH ASPHALT WHERE NECESSARY IN ORDER TO INSTALL PIPE AS SHOWN ON PLANS.
12. ALL WIRE SHALL BE SPLICED IN VALVE BOXES OR PULL BOXES ONLY.
13. VALVE BOXES SHALL BE CONCRETE WITH STEEL LID.
14. CONTRACTOR TO LOCATE AND INSTALL ONE ET GAUGE WITH STAINLESS STEEL HOUSING NEXT TO EACH IRRIGATION CONTROLLER AS SHOWN ON PLANS. CONTRACTOR TO MAKE FINAL CONNECTIONS TO CONTROLLER AS REQUIRED.
15. PRESSURE REDUCING VALVES ARE REQUIRED TO BE INSTALLED WHEN THE STATIC WATER PRESSURE IS IN EXCESS OF 80 PSI
16. RPPA'S IN MEDIAN REQUIRE BOLLARDS PER UDACS PLATES 4.8 AND 7.5. SEE LVVWD NORES FOR RPPA'S ON SHEET UN-1.

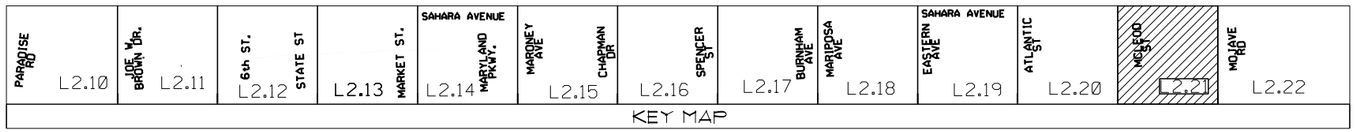
IRRIGATION EQUIPMENT LEGEND

SYMBOL	DESCRIPTION	MANUFACTURER	MODEL	SIZE
PC	POINT OF CONNECTION	SEE CIVIL DRAWINGS		-----
B	BACKFLOW PREVENTER	FEBCO	825 YA	1"
WM	WATER METER	SEE CIVIL DRAWINGS		SEE CIVIL PLANS FOR SIZES AND LOCATION
EXWM	EXISTING WATER METER			CONFIRM LOCATION AND SIZE
F	REMOTE CONTROL VALVE W/WYE FILTER & BALL VALVE	RAINBIRD AGRICULTURE PRODUCTS	PEB 4E-1-B-200	SIZE AS PER PLAN 1"
	PRESSURE REDUCING VALVE	SENNINGER	PMR-MF	1.5"
BV	BRONZE GATE VALVE	NIBCO	T-113	SIZE AS PER LINE
A B C D	IRRIGATION CONTROLLER	RAINBIRD	TBOS6CMUS	6 STATIONS
E F G H I J K L M N P Q R S	CONTROLLERS WILL NOT BE ON SITE, SHOWN FOR SEQUENCING ON PLANS.			
▪▪▪▪▪▪	PVC MAINLINE	2" & LARGER	CLASS 315	2"- SIZED FOR POTENTIAL EXPANSION
———	PVC LATERAL LINE	----	SCHEDULE 40	1.5"
NOT SHOWN	PVC FLEXIBLE TUBING SEE DETAIL 'L' ON L3.01	SALCO	PVC AR-050	1/2" I.D.
NOT SHOWN	EMITTER	BOWSMITH	SL220	SEE EMITTER SCHEDULE
▬▬	SLEEVE UNDER PAVED AREAS	-----	SCHEDULE 40	SEE NOTE #5

ID — IRRIGATION CONTROLLER
GPM — FLOW IN GPM
SIZE — VALVE SIZE
TYPE — PLANT MATERIAL

EMITTER SCHEDULE

PLANT SIZE	G.P.H.	QTY.	EMITTER	MANUFACTURER
36" BOX	16	8	SL220	BOWSMITH
24" BOX	16	8	SL220	BOWSMITH



RECORD DRAWINGS
DATE: 09/12/12

These record drawings have been reviewed based upon information furnished by others. While this information is believed to be reliable, JW Zunino Landscape Architecture cannot assure their accuracy of these record drawings or any errors or omissions that may have been incorporated as a result. Those relying on these record drawings are advised to obtain independent verification of their accuracy before applying it for any purpose

0 40' 80' 120'
SCALE: 1" = 40'-0"

NORTH

Call before you OVERHEAD 1-702-402-2929 NEVADA POWER ENVIRONMENT AND SAFETY SERVICES DEPARTMENT

Call before you Dig. 811 UNDERGROUND SERVICE ALERT (USA)

REV. NO.	DATE	DESCRIPTION	APPROVED

XREF :
FILE :

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
LANDSCAPE IRRIGATION PLAN

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No:	CB 1083	DRAWN BY:	SEC
DESIGNED BY:	SEC	CHECKED BY:	WTS
APPROVED BY	WTS		

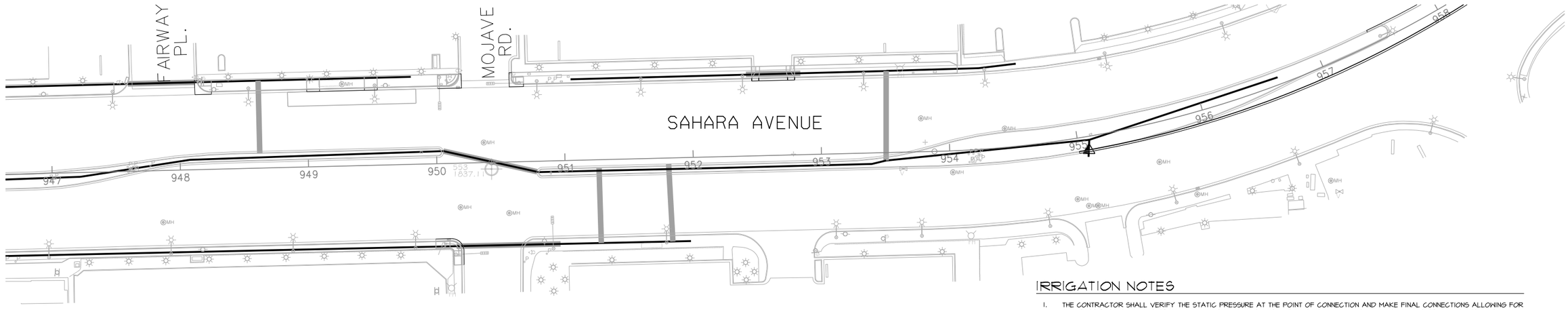
JW ZUNINO LANDSCAPE ARCHITECTURE
LAS VEGAS NV 3191 SUMMIT BLVD. | LAS VEGAS, NV 89146 P 702.795.5300 | F 702.795.1010
CARLSBAD CA 2246 FARADAY AVE. | CARLSBAD, CA 92008

SCALE
HORIZ : 1"=40'-0"
VERT : NA
FIELD BOOK : NONE

SHEET No. L2.21

Sheet 248 of 592

MATCHLINE SEE SHEET L2.21



IRRIGATION EQUIPMENT LEGEND

SYMBOL	DESCRIPTION	MANUFACTURER	MODEL	SIZE
PC	POINT OF CONNECTION	SEE CIVIL DRAWINGS		-----
B	BACKFLOW PREVENTER	FEBCO	825 YA	1"
WM	WATER METER	SEE CIVIL DRAWINGS		SEE CIVIL PLANS FOR SIZES AND LOCATION
EXWM	EXISTING WATER METER			CONFIRM LOCATION AND SIZE
	REMOTE CONTROL VALVE W/AYE FILTER & BALL VALVE	RAINBIRD AGRICULTURE PRODUCTS	PEB 4E-1-B-200	SIZE AS PER PLAN 1"
	PRESSURE REDUCING VALVE	SENNINGER	PMR-MF	1.5"
BV	BRONZE GATE VALVE	NIBCO	T-113	SIZE AS PER LINE
A B C D E F G H I J K L M N P Q R S	IRRIGATION CONTROLLER CONTROLLERS WILL NOT BE ON SITE, SHOWN FOR SEQUENCING ON PLANS.	RAINBIRD	TBOS6CMUS	6 STATIONS
	PVC MAINLINE	2" & LARGER	CLASS 315	2"- SIZED FOR POTENTIAL EXPANSION
	PVC LATERAL LINE	----	SCHEDULE 40	1.5"
NOT SHOWN	PVC FLEXIBLE TUBING SEE DETAIL 'L' ON L3.01	SALCO	PVC AR-050	1/2" I.D.
NOT SHOWN	EMITTER	BOWSMITH	SL220	SEE EMITTER SCHEDULE
	SLEEVE UNDER PAVED AREAS	-----	SCHEDULE 40	SEE NOTE #5

ID SIZE / GPM / TYPE
- IRRIGATION CONTROLLER
- FLOW IN GPM
- PLANT MATERIAL
- VALVE SIZE

EMITTER SCHEDULE

PLANT SIZE	G.P.H.	QTY.	EMITTER	MANUFACTURER
36" BOX	16	8	SL220	BOWSMITH
24" BOX	16	8	SL220	BOWSMITH

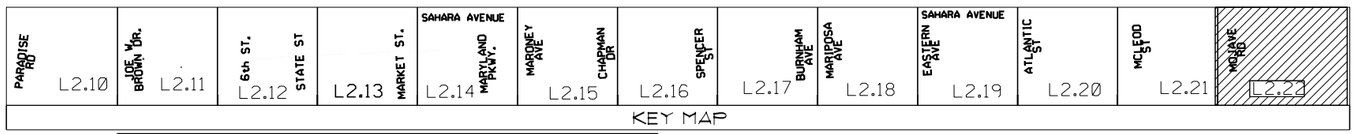
IRRIGATION NOTES

1. THE CONTRACTOR SHALL VERIFY THE STATIC PRESSURE AT THE POINT OF CONNECTION AND MAKE FINAL CONNECTIONS ALLOWING FOR ANY POSSIBLE DEVIATIONS FROM LOCATION SHOWN ON PLANS DUE TO SITE CONDITIONS. ANY DEVIATIONS FROM THE DESIGN SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE.
2. THE IRRIGATION PLAN IS DRAWN FOR GRAPHIC CLARITY, WHERE PIPING AND VALVES ARE SHOWN IN CONCRETE AREAS, THE INTENT IS FOR THE PIPING AND VALVES TO BE PLACED IN THE ADJACENT PLANTING AREAS, EXCEPT WHERE SLEEVES ARE REQUIRED. PLACE ALL VALVE BOXES IN SHRUB BEDS.
3. SEE CIVIL DRAWINGS FOR LOCATION OF POINT OF CONNECTION, METER SIZE, ETC.
4. BACKFLOW PREVENTER(S) TO BE IN COMPLIANCE WITH THE LAS VEGAS VALLEY WATER DISTRICT STANDARDS, CODES, AND REGULATIONS (LVVWD PLATE NO. 11).
5. INSTALL SLEEVING BASED ON THE SIZING GUIDE BELOW:

PIPE SIZE	REQUIRED SLEEVING
2 1/2" TO 3" PVC	1 - 6" SCH 40 PVC SLEEVE
1 1/4" TO 2" PVC	1 - 4" SCH 40 PVC SLEEVE
3/4" TO 1" PVC	1 - 2" SCH 40 PVC SLEEVE

WIRE QUANTITY	REQUIRED SLEEVING
1 - 25 CONTROL WIRES	1 - 2" SCH 40 PVC SLEEVE
26 - 50 CONTROL WIRES	2 - 2" SCH 40 PVC SLEEVE

6. CONTRACTOR TO PROVIDE ALL NECESSARY SLEEVING UNDER ROADS, CONCRETE SLABS, ETC.
7. VALVE BOXES TO BE PERMANENTLY BRANDED WITH CONTROLLER LETTER & STATION (EXAMPLES: STATION = A3, QUICK COUPLER = GC) LETTER AND STATION IDENTIFICATION SHALL BE 2 INCH HIGH MIN. VALVE BOXES TO HAVE LOCKING CAPABILITY. VALVE BOXES TO BE LOCATED IN PLANTING BEDS ONLY.
8. CONTRACTOR IS RESPONSIBLE TO VERIFY UTILITY LOCATION, OBTAIN, COORDINATE AND PAY FOR ANY PERMITS AND ALL INSPECTIONS AS REQUIRED.
9. CONTRACTOR RESPONSIBLE FOR POWER CONNECTION, PHONE LINE AND ACTIVATION OF IRRIGATION CONTROLLER(S) PRIOR TO SUBSTANTIAL COMPLETION.
10. CONTRACTOR TO PROVIDE POSITIVE DRAINAGE AWAY FROM ALL STRUCTURES, WALLS, AND ON ALL SIDEWALKS ACCORDING TO ALL CODES, REGULATIONS, AND REQUIREMENTS.
11. IF PIPING CROSSES PORTIONS OF ROADWAY NOT BEING IMPACTED BY CONSTRUCTION CONTRACTOR IS TO SAW CUT AND PATCH ASPHALT WHERE NECESSARY IN ORDER TO INSTALL PIPE AS SHOWN ON PLANS.
12. ALL WIRE SHALL BE SPLICED IN VALVE BOXES OR PULL BOXES ONLY.
13. VALVE BOXES SHALL BE CONCRETE WITH STEEL LID.
14. CONTRACTOR TO LOCATE AND INSTALL ONE ET GAUGE WITH STAINLESS STEEL HOUSING NEXT TO EACH IRRIGATION CONTROLLER AS SHOWN ON PLANS. CONTRACTOR TO MAKE FINAL CONNECTIONS TO CONTROLLER AS REQUIRED.
15. PRESSURE REDUCING VALVES ARE REQUIRED TO BE INSTALLED WHEN THE STATIC WATER PRESSURE IS IN EXCESS OF 80 PSI
16. RPPA'S IN MEDIAN REQUIRE BOLLARDS PER UDACS PLATES 4.8 AND 7.5. SEE LVVWD NORES FOR RPPA'S ON SHEET LN-1.



RECORD DRAWINGS
DATE: 09/12/12

These record drawings have been reviewed based upon information furnished by others. While this information is believed to be reliable, JW Zunino Landscape Architecture cannot assure their accuracy of these record drawings or any errors or omissions that may have been incorporated as a result. Those relying on these record drawings are advised to obtain independent verification of their accuracy before applying it for any purpose

0 40' 80' 120'
SCALE: 1" = 40'-0"

NORTH

Call before you OVERHEAD 1-702-402-2929 (CALL TODAY TO ENSURE NO SAFETY SERVICES DEPARTMENT)

Call before you Dig. 811 (UNDERGROUND SERVICE ALERT USA)

REV. NO.	DATE	DESCRIPTION	APPROVED

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
LANDSCAPE IRRIGATION PLAN

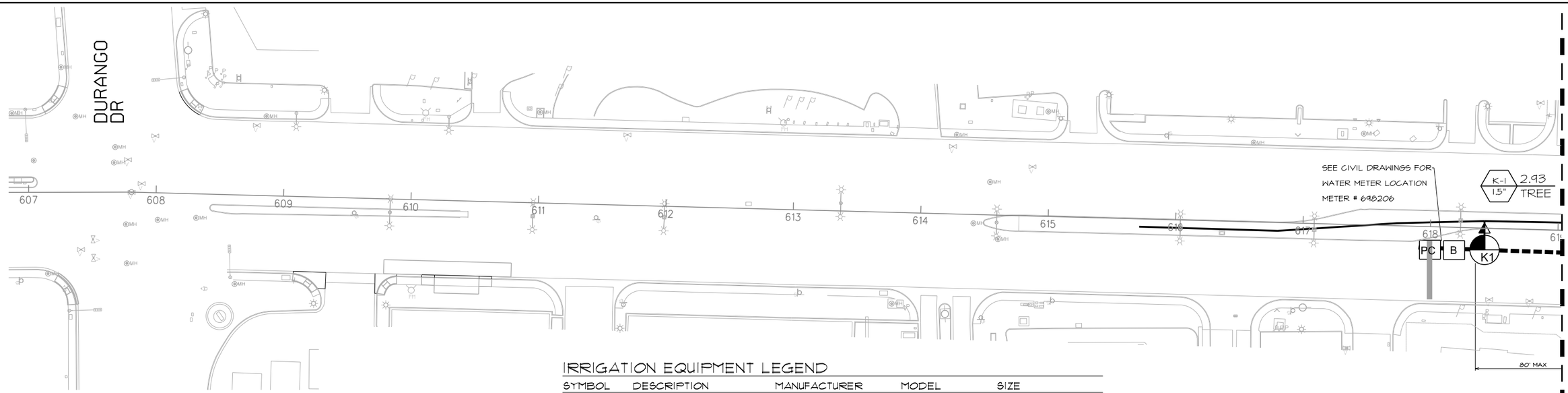
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No:	CB 1083	DRAWN BY:	SEC
DESIGNED BY:	SEC	CHECKED BY:	WTS
APPROVED BY	WTS		

JW ZUNINO LANDSCAPE ARCHITECTURE
LAS VEGAS, NV 3191 SUMMIT BLVD. | LAS VEGAS, NV 89146 | T 702.253.3330 | F 702.253.1010
CARLSBAD, CA 2246 FARADAY AVE. | CARLSBAD, CA 92008

SCALE	SHEET No.
HORIZ : 1"=40'-0"	L2.22
VERT : NA	
FIELD BOOK : NONE	Sheet 249 of 592

XREF :
FILE :



IRRIGATION NOTES

1. THE CONTRACTOR SHALL VERIFY THE STATIC PRESSURE AT THE POINT OF CONNECTION AND MAKE FINAL CONNECTIONS ALLOWING FOR ANY POSSIBLE DEVIATIONS FROM LOCATION SHOWN ON PLANS DUE TO SITE CONDITIONS. ANY DEVIATIONS FROM THE DESIGN SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE.
2. THE IRRIGATION PLAN IS DRAWN FOR GRAPHIC CLARITY. WHERE PIPING AND VALVES ARE SHOWN IN CONCRETE AREAS, THE INTENT IS FOR THE PIPING AND VALVES TO BE PLACED IN THE ADJACENT PLANTING AREAS, EXCEPT WHERE SLEEVES ARE REQUIRED. PLACE ALL VALVE BOXES IN SHRUB BEDS.
3. SEE CIVIL DRAWINGS FOR LOCATION OF POINT OF CONNECTION, METER SIZE, ETC.
4. BACKFLOW PREVENTER(S) TO BE IN COMPLIANCE WITH THE LAS VEGAS VALLEY WATER DISTRICT STANDARDS, CODES, AND REGULATIONS (LVVWD PLATE NO. 11).
5. INSTALL SLEEVING BASED ON THE SIZING GUIDE BELOW:

PIPE SIZE	REQUIRED SLEEVING
2 1/2" TO 3" PVC	1 - 6" SCH 40 PVC SLEEVE
1 1/4" TO 2" PVC	1 - 4" SCH 40 PVC SLEEVE
3/4" TO 1" PVC	1 - 2" SCH 40 PVC SLEEVE

WIRE QUANTITY	REQUIRED SLEEVING
1 - 25 CONTROL WIRES	1 - 2" SCH 40 PVC SLEEVE
26 - 50 CONTROL WIRES	2 - 2" SCH 40 PVC SLEEVE

6. CONTRACTOR TO PROVIDE ALL NECESSARY SLEEVING UNDER ROADS, CONCRETE SLABS, ETC.
7. VALVE BOXES TO BE PERMANENTLY BRANDED WITH CONTROLLER LETTER & STATION (EXAMPLES: STATION = A3, QUICK COUPLER = QC) LETTER AND STATION IDENTIFICATION SHALL BE 2 INCH HIGH MIN. VALVE BOXES TO HAVE LOCKING CAPABILITY. VALVE BOXES TO BE LOCATED IN PLANTING BEDS ONLY.
8. CONTRACTOR IS RESPONSIBLE TO VERIFY UTILITY LOCATION, OBTAIN, COORDINATE AND PAY FOR ANY PERMITS AND ALL INSPECTIONS AS REQUIRED.
9. CONTRACTOR RESPONSIBLE FOR POWER CONNECTION, PHONE LINE AND ACTIVATION OF IRRIGATION CONTROLLER(S) PRIOR TO SUBSTANTIAL COMPLETION.
10. CONTRACTOR TO PROVIDE POSITIVE DRAINAGE AWAY FROM ALL STRUCTURES, WALLS, AND ON ALL SIDEWALKS ACCORDING TO ALL CODES, REGULATIONS, AND REQUIREMENTS.
11. IF PIPING CROSSES PORTIONS OF ROADWAY NOT BEING IMPACTED BY CONSTRUCTION CONTRACTOR IS TO SAW CUT AND PATCH ASPHALT WHERE NECESSARY IN ORDER TO INSTALL PIPE AS SHOWN ON PLANS.
12. ALL WIRE SHALL BE SPLICED IN VALVE BOXES OR PULL BOXES ONLY.
13. VALVE BOXES SHALL BE CONCRETE WITH STEEL LID.
14. CONTRACTOR TO LOCATE AND INSTALL ONE ET GAUGE WITH STAINLESS STEEL HOUSING NEXT TO EACH IRRIGATION CONTROLLER AS SHOWN ON PLANS. CONTRACTOR TO MAKE FINAL CONNECTIONS TO CONTROLLER AS REQUIRED.
15. PRESSURE REDUCING VALVES ARE REQUIRED TO BE INSTALLED WHEN THE STATIC WATER PRESSURE IS IN EXCESS OF 80 PSI
16. RPPA'S IN MEDIAN REQUIRE BOLLARDS PER UDACS PLATES 4.8 AND 75. SEE LVVWD NORES FOR RPPA'S ON SHEET LN-1.

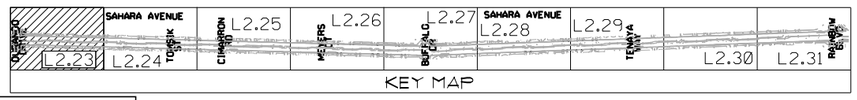
IRRIGATION EQUIPMENT LEGEND

SYMBOL	DESCRIPTION	MANUFACTURER	MODEL	SIZE
PC	POINT OF CONNECTION	SEE CIVIL DRAWINGS		-----
B	BACKFLOW PREVENTER	FEBCO	825 YA	1"
WM	WATER METER	SEE CIVIL DRAWINGS		SEE CIVIL PLANS FOR SIZES AND LOCATION
EXWM	EXISTING WATER METER			CONFIRM LOCATION AND SIZE
	REMOTE CONTROL VALVE W/NYE FILTER & BALL VALVE	RAINBIRD AGRICULTURE PRODUCTS	PEB 4E-1-B-200	SIZE AS PER PLAN 1"
	PRESSURE REDUCING VALVE	SENNINGER	PMR-MF	1.5"
BV	BRONZE GATE VALVE	NIBCO	T-113	SIZE AS PER LINE
A B C D	IRRIGATION CONTROLLER	RAINBIRD	TBOS6CMUS	6 STATIONS
E F G H I J K L M N P Q R S	CONTROLLERS WILL NOT BE ON SITE, SHOWN FOR SEQUENCING ON PLANS.			
▪▪▪▪▪	PVC MAINLINE	2" & LARGER	CLASS 315	2"- SIZED FOR POTENTIAL EXPANSION
———	PVC LATERAL LINE	----	SCHEDULE 40	1.5"
NOT SHOWN	PVC FLEXIBLE TUBING SEE DETAIL 'L' ON L3.01	SALCO	PVC AR-050	1/2" I.D.
NOT SHOWN	EMITTER	BOWSMITH	SL220	SEE EMITTER SCHEDULE
▬▬▬	SLEEVE UNDER PAVED AREAS	-----	SCHEDULE 40	SEE NOTE #5

ID — IRRIGATION CONTROLLER
GPM — FLOW IN GPM
SIZE / TYPE — PLANT MATERIAL / VALVE SIZE

EMITTER SCHEDULE

PLANT SIZE	G.P.H.	QTY.	EMITTER	MANUFACTURER
36" BOX	16	8	SL220	BOWSMITH
24" BOX	16	8	SL220	BOWSMITH



RECORD DRAWINGS
DATE: 09/12/12

These record drawings have been reviewed based upon information furnished by others. While this information is believed to be reliable, JW Zunino Landscape Architecture cannot assure their accuracy of these record drawings or any errors or omissions that may have been incorporated as a result. Those relying on these record drawings are advised to obtain independent verification of their accuracy before applying it for any purpose

0 40' 80' 120'
SCALE: 1" = 40'-0"

NORTH

Call before you OVERHEAD 1-702-402-2929 NEVADA POWER ENERGYNOW AND SAFETY SERVICES DEPARTMENT
AVOID HITTING OVERHEAD UTILITY LINES. IT'S COSTLY.

Call before you Dig. 811 UNDERGROUND SERVICE ALERT (USA)
AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY.

AS-BUILT - 05.31.2012

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

REV. NO.	DATE	DESCRIPTION	APPROVED

XREF :
FILE :

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
LANDSCAPE IRRIGATION PLAN

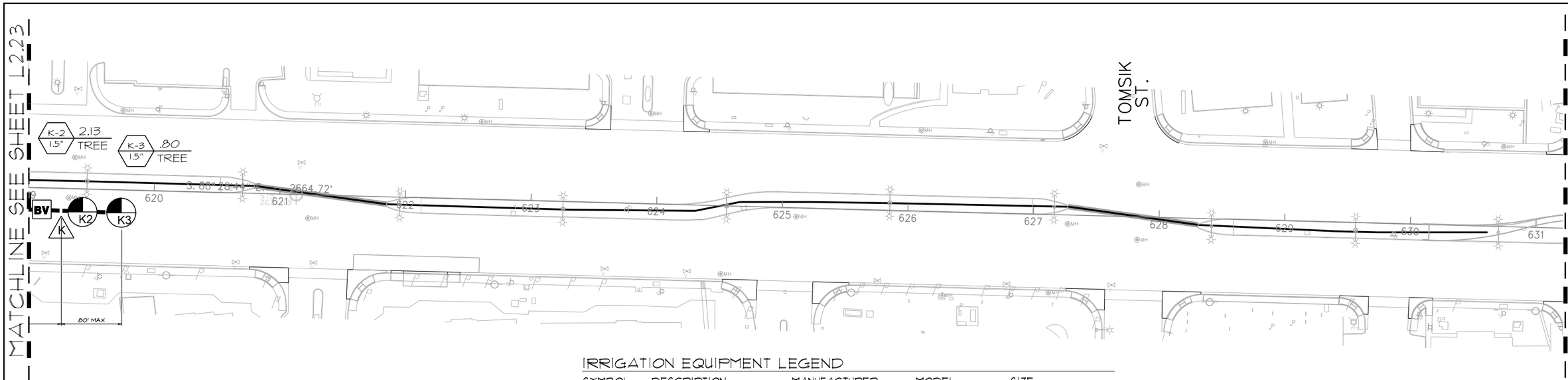
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: SEC
DESIGNED BY: SEC CHECKED BY: WTS
APPROVED BY WTS

J W ZUNINO LANDSCAPE ARCHITECTURE
LAS VEGAS NV 3191 SLOANES BLVD. | LAS VEGAS, NV 89146 P 702.753.2300 | F 702.795.1616
CARLSBAD CA 2249 FARADAY AVE. | CARLSBAD, CA 92008

SCALE
HORIZ : 1"=40'-0"
VERT : NA
FIELD BOOK :
NONE

SHEET No.
L2.23
Sheet 249A of 592



IRRIGATION NOTES

1. THE CONTRACTOR SHALL VERIFY THE STATIC PRESSURE AT THE POINT OF CONNECTION AND MAKE FINAL CONNECTIONS ALLOWING FOR ANY POSSIBLE DEVIATIONS FROM LOCATION SHOWN ON PLANS DUE TO SITE CONDITIONS. ANY DEVIATIONS FROM THE DESIGN SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE.
2. THE IRRIGATION PLAN IS DRAWN FOR GRAPHIC CLARITY, WHERE PIPING AND VALVES ARE SHOWN IN CONCRETE AREAS, THE INTENT IS FOR THE PIPING AND VALVES TO BE PLACED IN THE ADJACENT PLANTING AREAS, EXCEPT WHERE SLEEVES ARE REQUIRED. PLACE ALL VALVE BOXES IN SHRUB BEDS.
3. SEE CIVIL DRAWINGS FOR LOCATION OF POINT OF CONNECTION, METER SIZE, ETC.
4. BACKFLOW PREVENTER(S) TO BE IN COMPLIANCE WITH THE LAS VEGAS VALLEY WATER DISTRICT STANDARDS, CODES, AND REGULATIONS (LVVWD PLATE NO. 11).
5. INSTALL SLEEVING BASED ON THE SIZING GUIDE BELOW:

PIPE SIZE	REQUIRED SLEEVING
2 1/2" TO 3" PVC	1 - 6" SCH 40 PVC SLEEVE
1 1/4" TO 2" PVC	1 - 4" SCH 40 PVC SLEEVE
3/4" TO 1" PVC	1 - 2" SCH 40 PVC SLEEVE

WIRE QUANTITY	REQUIRED SLEEVING
1 - 25 CONTROL WIRES	1 - 2" SCH 40 PVC SLEEVE
26 - 50 CONTROL WIRES	2 - 2" SCH 40 PVC SLEEVE

6. CONTRACTOR TO PROVIDE ALL NECESSARY SLEEVING UNDER ROADS, CONCRETE SLABS, ETC.
7. VALVE BOXES TO BE PERMANENTLY BRANDED WITH CONTROLLER LETTER & STATION (EXAMPLES: STATION = A3, QUICK COUPLER = QC) LETTER AND STATION IDENTIFICATION SHALL BE 2 INCH HIGH MIN. VALVE BOXES TO HAVE LOCKING CAPABILITY. VALVE BOXES TO BE LOCATED IN PLANTING BEDS ONLY.
8. CONTRACTOR IS RESPONSIBLE TO VERIFY UTILITY LOCATION, OBTAIN, COORDINATE AND PAY FOR ANY PERMITS AND ALL INSPECTIONS AS REQUIRED.
9. CONTRACTOR RESPONSIBLE FOR POWER CONNECTION, PHONE LINE AND ACTIVATION OF IRRIGATION CONTROLLER(S) PRIOR TO SUBSTANTIAL COMPLETION.
10. CONTRACTOR TO PROVIDE POSITIVE DRAINAGE AWAY FROM ALL STRUCTURES, WALLS, AND ON ALL SIDEWALKS ACCORDING TO ALL CODES, REGULATIONS, AND REQUIREMENTS.
11. IF PIPING CROSSES PORTIONS OF ROADWAY NOT BEING IMPACTED BY CONSTRUCTION CONTRACTOR IS TO SAW CUT AND PATCH ASPHALT WHERE NECESSARY IN ORDER TO INSTALL PIPE AS SHOWN ON PLANS.
12. ALL WIRE SHALL BE SPLICED IN VALVE BOXES OR PULL BOXES ONLY.
13. VALVE BOXES SHALL BE CONCRETE WITH STEEL LID.
14. CONTRACTOR TO LOCATE AND INSTALL ONE ET GAUGE WITH STAINLESS STEEL HOUSING NEXT TO EACH IRRIGATION CONTROLLER AS SHOWN ON PLANS. CONTRACTOR TO MAKE FINAL CONNECTIONS TO CONTROLLER AS REQUIRED.
15. PRESSURE REDUCING VALVES ARE REQUIRED TO BE INSTALLED WHEN THE STATIC WATER PRESSURE IS IN EXCESS OF 80 PSI
16. RPPA'S IN MEDIAN REQUIRE BOLLARDS PER UDACS PLATES 4.8 AND 75. SEE LVVWD NORES FOR RPPA'S ON SHEET LN-1.

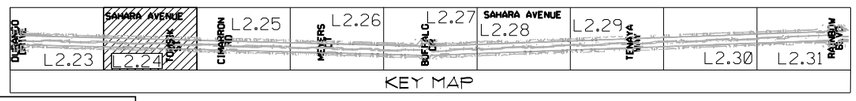
IRRIGATION EQUIPMENT LEGEND

SYMBOL	DESCRIPTION	MANUFACTURER	MODEL	SIZE
PC	POINT OF CONNECTION	SEE CIVIL DRAWINGS		-----
B	BACKFLOW PREVENTER	FEBCO	825 YA	1"
WM	WATER METER	SEE CIVIL DRAWINGS		SEE CIVIL PLANS FOR SIZES AND LOCATION
EXWM	EXISTING WATER METER			CONFIRM LOCATION AND SIZE
	REMOTE CONTROL VALVE W/NYE FILTER & BALL VALVE	RAINBIRD AGRICULTURE PRODUCTS	PEB 4E-1-B-200	SIZE AS PER PLAN 1"
	PRESSURE REDUCING VALVE	SENNINGER	PMR-MF	1.5"
BV	BRONZE GATE VALVE	NIBCO	T-113	SIZE AS PER LINE
A B C D	IRRIGATION CONTROLLER	RAINBIRD	TBOS6CMUS	6 STATIONS
E F G H I J K L M N P Q R S	CONTROLLERS WILL NOT BE ON SITE, SHOWN FOR SEQUENCING ON PLANS.			
▪▪▪▪▪▪	PVC MAINLINE	2" & LARGER	CLASS 315	2"- SIZED FOR POTENTIAL EXPANSION
———	PVC LATERAL LINE	----	SCHEDULE 40	1.5"
NOT SHOWN	PVC FLEXIBLE TUBING SEE DETAIL 'L' ON L3.01	SALCO	PVC AR-050	1/2" I.D.
NOT SHOWN	EMITTER	BOWSMITH	SL220	SEE EMITTER SCHEDULE
▬▬▬	SLEEVE UNDER PAVED AREAS	-----	SCHEDULE 40	SEE NOTE #5

ID — IRRIGATION CONTROLLER
GPM — FLOW IN GPM
SIZE — VALVE SIZE
TYPE — PLANT MATERIAL

EMITTER SCHEDULE

PLANT SIZE	G.P.H.	QTY.	EMITTER	MANUFACTURER
36" BOX	16	8	SL220	BOWSMITH
24" BOX	16	8	SL220	BOWSMITH



RECORD DRAWINGS
DATE: 09/12/12

These record drawings have been reviewed based upon information furnished by others. While this information is believed to be reliable, JW Zunino Landscape Architecture cannot assure their accuracy of these record drawings or any errors or omissions that may have been incorporated as a result. Those relying on these record drawings are advised to obtain independent verification of their accuracy before applying it for any purpose

0 40' 80' 120'
SCALE: 1" = 40'-0"

NORTH

Call before you OVERHEAD 1-702-402-2929 (CLARK COUNTY, NV SAFETY SERVICES DEPARTMENT) — AVOID HITTING OVERHEAD UTILITY LINES. IT'S COSTLY.

Call before you Dig. 811 (UNDERGROUND SERVICE ALERT USA) — AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY.

AS-BUILT - 05.31.2012

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

REV. NO.	DATE	DESCRIPTION	APPROVED

XREF :
FILE :

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
LANDSCAPE IRRIGATION PLAN

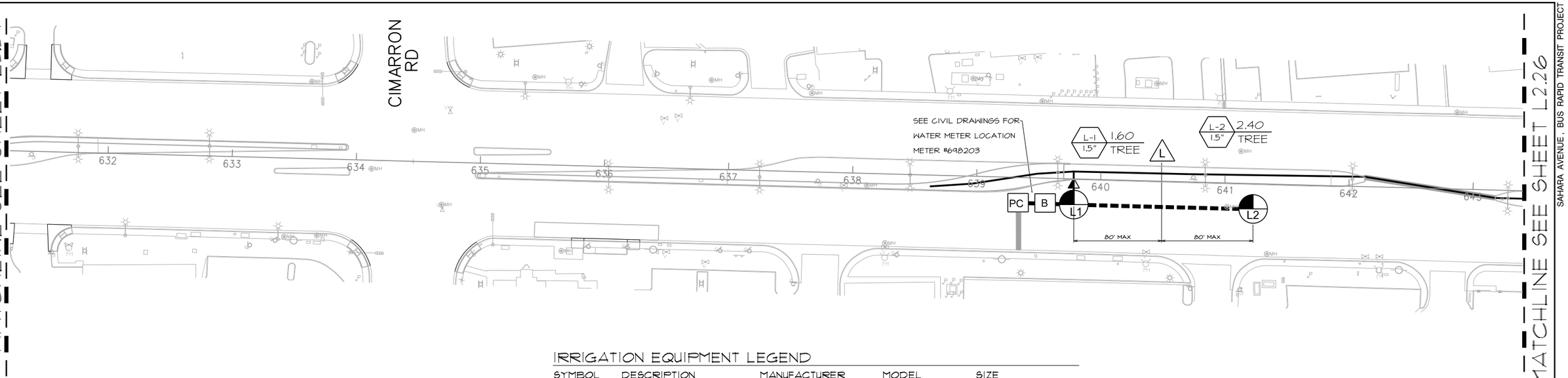
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: SEC
DESIGNED BY: SEC CHECKED BY: WTS
APPROVED BY WTS

LAS VEGAS NV
3191 SLOMER BLVD | LAS VEGAS, NV 89146
T 702.252.5300 | F 702.951.1616
CARLSBAD CA
2249 FARADAY AVE. | CARLSBAD, CA 92008
JW ZUNINO LANDSCAPE ARCHITECTURE

SCALE
HORIZ: 1"=40'-0"
VERT: NA
FIELD BOOK: NONE

SHEET No. L2.24



SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS-BUILT - 05.31.2012

IRRIGATION NOTES

1. THE CONTRACTOR SHALL VERIFY THE STATIC PRESSURE AT THE POINT OF CONNECTION AND MAKE FINAL CONNECTIONS ALLOWING FOR ANY POSSIBLE DEVIATIONS FROM LOCATION SHOWN ON PLANS DUE TO SITE CONDITIONS. ANY DEVIATIONS FROM THE DESIGN SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE.
2. THE IRRIGATION PLAN IS DRAWN FOR GRAPHIC CLARITY, WHERE PIPING AND VALVES ARE SHOWN IN CONCRETE AREAS, THE INTENT IS FOR THE PIPING AND VALVES TO BE PLACED IN THE ADJACENT PLANTING AREAS, EXCEPT WHERE SLEEVES ARE REQUIRED. PLACE ALL VALVE BOXES IN SHRUB BEDS.
3. SEE CIVIL DRAWINGS FOR LOCATION OF POINT OF CONNECTION, METER SIZE, ETC.
4. BACKFLOW PREVENTER(S) TO BE IN COMPLIANCE WITH THE LAS VEGAS VALLEY WATER DISTRICT STANDARDS, CODES, AND REGULATIONS (LVVWD PLATE NO. 11).
5. INSTALL SLEEVING BASED ON THE SIZING GUIDE BELOW:

PIPE SIZE	REQUIRED SLEEVING
2 1/2" TO 3" PVC	1 - 6" SCH 40 PVC SLEEVE
1 1/4" TO 2" PVC	1 - 4" SCH 40 PVC SLEEVE
3/4" TO 1" PVC	1 - 2" SCH 40 PVC SLEEVE

WIRE QUANTITY	REQUIRED SLEEVING
1 - 25 CONTROL WIRES	1 - 2" SCH 40 PVC SLEEVE
26 - 50 CONTROL WIRES	2 - 2" SCH 40 PVC SLEEVE

6. CONTRACTOR TO PROVIDE ALL NECESSARY SLEEVING UNDER ROADS, CONCRETE SLABS, ETC.
7. VALVE BOXES TO BE PERMANENTLY BRANDED WITH CONTROLLER LETTER & STATION (EXAMPLES: STATION = A3, QUICK COUPLER = QC) LETTER AND STATION IDENTIFICATION SHALL BE 2 INCH HIGH MIN. VALVE BOXES TO HAVE LOCKING CAPABILITY. VALVE BOXES TO BE LOCATED IN PLANTING BEDS ONLY.
8. CONTRACTOR IS RESPONSIBLE TO VERIFY UTILITY LOCATION, OBTAIN, COORDINATE AND PAY FOR ANY PERMITS AND ALL INSPECTIONS AS REQUIRED.
9. CONTRACTOR RESPONSIBLE FOR POWER CONNECTION, PHONE LINE AND ACTIVATION OF IRRIGATION CONTROLLER(S) PRIOR TO SUBSTANTIAL COMPLETION.
10. CONTRACTOR TO PROVIDE POSITIVE DRAINAGE AWAY FROM ALL STRUCTURES, WALLS, AND ON ALL SIDEWALKS ACCORDING TO ALL CODES, REGULATIONS, AND REQUIREMENTS.
11. IF PIPING CROSSES PORTIONS OF ROADWAY NOT BEING IMPACTED BY CONSTRUCTION CONTRACTOR IS TO SAW CUT AND PATCH ASPHALT WHERE NECESSARY IN ORDER TO INSTALL PIPE AS SHOWN ON PLANS.
12. ALL WIRE SHALL BE SPLICED IN VALVE BOXES OR PULL BOXES ONLY.
13. VALVE BOXES SHALL BE CONCRETE WITH STEEL LID.
14. CONTRACTOR TO LOCATE AND INSTALL ONE ET GAUGE WITH STAINLESS STEEL HOUSING NEXT TO EACH IRRIGATION CONTROLLER AS SHOWN ON PLANS. CONTRACTOR TO MAKE FINAL CONNECTIONS TO CONTROLLER AS REQUIRED.
15. PRESSURE REDUCING VALVES ARE REQUIRED TO BE INSTALLED WHEN THE STATIC WATER PRESSURE IS IN EXCESS OF 80 PSI
16. RPPA'S IN MEDIAN REQUIRE BOLLARDS PER UDACS PLATES 4.8 AND 75. SEE LVVWD NORES FOR RPPA'S ON SHEET IN-1.

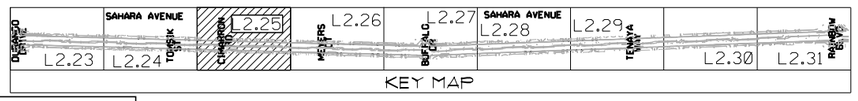
IRRIGATION EQUIPMENT LEGEND

SYMBOL	DESCRIPTION	MANUFACTURER	MODEL	SIZE
PC	POINT OF CONNECTION	SEE CIVIL DRAWINGS		-----
B	BACKFLOW PREVENTER	FEBCO	825 YA	1"
WM	WATER METER	SEE CIVIL DRAWINGS		SEE CIVIL PLANS FOR SIZES AND LOCATION
EXWM	EXISTING WATER METER			CONFIRM LOCATION AND SIZE
	REMOTE CONTROL VALVE W/MYE FILTER & BALL VALVE	RAINBIRD AGRICULTURE PRODUCTS	PEB 4E-1-B-200	SIZE AS PER PLAN 1"
	PRESSURE REDUCING VALVE	SENNINGER	PMR-MF	1.5"
BV	BRONZE GATE VALVE	NIBCO	T-113	SIZE AS PER LINE
A B C D	IRRIGATION CONTROLLER	RAINBIRD	TBOS6CMUS	6 STATIONS
E F G H I J K L M N P Q R S	CONTROLLERS WILL NOT BE ON SITE, SHOWN FOR SEQUENCING ON PLANS.			
▪▪▪▪▪▪	PVC MAINLINE	2" & LARGER	CLASS 315	2"- SIZED FOR POTENTIAL EXPANSION
———	PVC LATERAL LINE	----	SCHEDULE 40	1.5"
NOT SHOWN	PVC FLEXIBLE TUBING SEE DETAIL 'L' ON L3.01	SALCO	PVC AR-050	1/2" I.D.
NOT SHOWN	EMITTER	BOWSMITH	SL220	SEE EMITTER SCHEDULE
———	SLEEVE UNDER PAVED AREAS	-----	SCHEDULE 40	SEE NOTE #5

ID — IRRIGATION CONTROLLER
GPM — FLOW IN GPM
SIZE — VALVE SIZE
TYPE — PLANT MATERIAL

EMITTER SCHEDULE

PLANT SIZE	G.P.H.	QTY.	EMITTER	MANUFACTURER
36" BOX	16	8	SL220	BOWSMITH
24" BOX	16	8	SL220	BOWSMITH



RECORD DRAWINGS
DATE: 09/12/12

These record drawings have been reviewed based upon information furnished by others. While this information is believed to be reliable, JW Zunino Landscape Architecture cannot assure their accuracy of these record drawings or any errors or omissions that may have been incorporated as a result. Those relying on these record drawings are advised to obtain independent verification of their accuracy before applying it for any purpose

REV. NO.	DATE	DESCRIPTION	APPROVED

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
LANDSCAPE IRRIGATION PLAN

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No:	CB 1083	DRAWN BY:	SEC
DESIGNED BY:	SEC	CHECKED BY:	WTS
APPROVED BY	WTS		

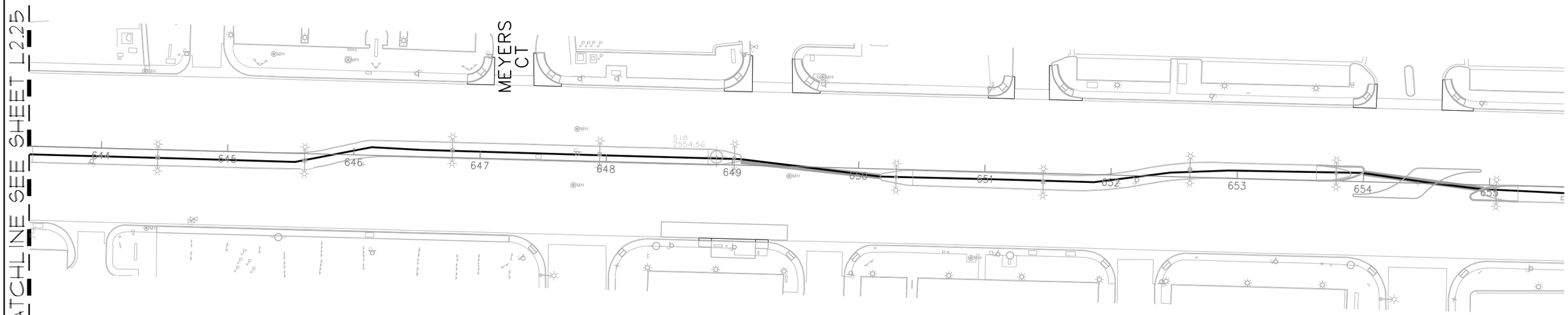
JW ZUNINO LANDSCAPE ARCHITECTURE
LAS VEGAS NV 3191 SLOANES BLVD | LAS VEGAS, NV 89146 P 702.753.2300 | F 702.795.1616
CARLSBAD CA 2249 FARADAY AVE. | CARLSBAD, CA 92008

SCALE	
HORIZ :	1"=40'-0"
VERT :	NA
FIELD BOOK :	NONE

SHEET No. L2.25

Sheet 249C of 592

XREF :
FILE :



IRRIGATION NOTES

1. THE CONTRACTOR SHALL VERIFY THE STATIC PRESSURE AT THE POINT OF CONNECTION AND MAKE FINAL CONNECTIONS ALLOWING FOR ANY POSSIBLE DEVIATIONS FROM LOCATION SHOWN ON PLANS DUE TO SITE CONDITIONS. ANY DEVIATIONS FROM THE DESIGN SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE.
2. THE IRRIGATION PLAN IS DRAWN FOR GRAPHIC CLARITY, WHERE PIPING AND VALVES ARE SHOWN IN CONCRETE AREAS, THE INTENT IS FOR THE PIPING AND VALVES TO BE PLACED IN THE ADJACENT PLANTING AREAS, EXCEPT WHERE SLEEVES ARE REQUIRED. PLACE ALL VALVE BOXES IN SHRUB BEDS.
3. SEE CIVIL DRAWINGS FOR LOCATION OF POINT OF CONNECTION, METER SIZE, ETC.
4. BACKFLOW PREVENTER(S) TO BE IN COMPLIANCE WITH THE LAS VEGAS VALLEY WATER DISTRICT STANDARDS, CODES, AND REGULATIONS (LVVWD PLATE NO. 11).
5. INSTALL SLEEVING BASED ON THE SIZING GUIDE BELOW:

PIPE SIZE	REQUIRED SLEEVING
2 1/2" TO 3" PVC	1 - 6" SCH 40 PVC SLEEVE
1 1/4" TO 2" PVC	1 - 4" SCH 40 PVC SLEEVE
3/4" TO 1" PVC	1 - 2" SCH 40 PVC SLEEVE

WIRE QUANTITY	REQUIRED SLEEVING
1 - 25 CONTROL WIRES	1 - 2" SCH 40 PVC SLEEVE
26 - 50 CONTROL WIRES	2 - 2" SCH 40 PVC SLEEVE

6. CONTRACTOR TO PROVIDE ALL NECESSARY SLEEVING UNDER ROADS, CONCRETE SLABS, ETC.
7. VALVE BOXES TO BE PERMANENTLY BRANDED WITH CONTROLLER LETTER & STATION (EXAMPLES: STATION = A3, QUICK COUPLER = QC) LETTER AND STATION IDENTIFICATION SHALL BE 2 INCH HIGH MIN. VALVE BOXES TO HAVE LOCKING CAPABILITY. VALVE BOXES TO BE LOCATED IN PLANTING BEDS ONLY.
8. CONTRACTOR IS RESPONSIBLE TO VERIFY UTILITY LOCATION, OBTAIN, COORDINATE AND PAY FOR ANY PERMITS AND ALL INSPECTIONS AS REQUIRED.
9. CONTRACTOR RESPONSIBLE FOR POWER CONNECTION, PHONE LINE AND ACTIVATION OF IRRIGATION CONTROLLER(S) PRIOR TO SUBSTANTIAL COMPLETION.
10. CONTRACTOR TO PROVIDE POSITIVE DRAINAGE AWAY FROM ALL STRUCTURES, WALLS, AND ON ALL SIDEWALKS ACCORDING TO ALL CODES, REGULATIONS, AND REQUIREMENTS.
11. IF PIPING CROSSES PORTIONS OF ROADWAY NOT BEING IMPACTED BY CONSTRUCTION CONTRACTOR IS TO SAW CUT AND PATCH ASPHALT WHERE NECESSARY IN ORDER TO INSTALL PIPE AS SHOWN ON PLANS.
12. ALL WIRE SHALL BE SPLICED IN VALVE BOXES OR PULL BOXES ONLY.
13. VALVE BOXES SHALL BE CONCRETE WITH STEEL LID.
14. CONTRACTOR TO LOCATE AND INSTALL ONE ET GAUGE WITH STAINLESS STEEL HOUSING NEXT TO EACH IRRIGATION CONTROLLER AS SHOWN ON PLANS. CONTRACTOR TO MAKE FINAL CONNECTIONS TO CONTROLLER AS REQUIRED.
15. PRESSURE REDUCING VALVES ARE REQUIRED TO BE INSTALLED WHEN THE STATIC WATER PRESSURE IS IN EXCESS OF 80 PSI
16. RPPA'S IN MEDIAN REQUIRE BOLLARDS PER UDACS PLATES 4.8 AND 75. SEE LVVWD NORES FOR RPPA'S ON SHEET IN-1.

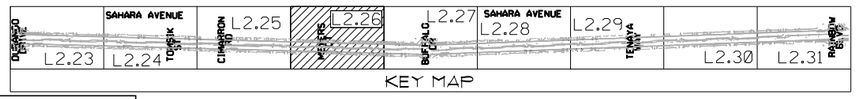
IRRIGATION EQUIPMENT LEGEND

SYMBOL	DESCRIPTION	MANUFACTURER	MODEL	SIZE
PC	POINT OF CONNECTION	SEE CIVIL DRAWINGS		-----
B	BACKFLOW PREVENTER	FEBCO	825 YA	1"
WM	WATER METER	SEE CIVIL DRAWINGS		SEE CIVIL PLANS FOR SIZES AND LOCATION
EXWM	EXISTING WATER METER			CONFIRM LOCATION AND SIZE
	REMOTE CONTROL VALVE W/NYE FILTER & BALL VALVE	RAINBIRD AGRICULTURE PRODUCTS	PEB 4E-1-B-200	SIZE AS PER PLAN 1"
	PRESSURE REDUCING VALVE	SENNINGER	PMR-MF	1.5"
BV	BRONZE GATE VALVE	NIBCO	T-113	SIZE AS PER LINE
A B C D	IRRIGATION CONTROLLER	RAINBIRD	TBOS6CMUS	6 STATIONS
E F G H I J K L M N P Q R S	CONTROLLERS WILL NOT BE ON SITE, SHOWN FOR SEQUENCING ON PLANS.			
▪▪▪▪▪	PVC MAINLINE	2" & LARGER	CLASS 315	2"- SIZED FOR POTENTIAL EXPANSION
———	PVC LATERAL LINE	----	SCHEDULE 40	1.5"
NOT SHOWN	PVC FLEXIBLE TUBING SEE DETAIL 'L' ON L3.01	SALCO	PVC AR-050	1/2" I.D.
NOT SHOWN	EMITTER	BOWSMITH	SL220	SEE EMITTER SCHEDULE
▬▬▬	SLEEVE UNDER PAVED AREAS	-----	SCHEDULE 40	SEE NOTE #5

ID — IRRIGATION CONTROLLER
GPM — FLOW IN GPM
TYPE — PLANT MATERIAL
SIZE — VALVE SIZE

EMITTER SCHEDULE

PLANT SIZE	G.P.H.	QTY.	EMITTER	MANUFACTURER
36" BOX	16	8	SL220	BOWSMITH
24" BOX	16	8	SL220	BOWSMITH



RECORD DRAWINGS
DATE: 09/12/12

These record drawings have been reviewed based upon information furnished by others. While this information is believed to be reliable, JW Zunino Landscape Architecture cannot assure their accuracy of these record drawings or any errors or omissions that may have been incorporated as a result. Those relying on these record drawings are advised to obtain independent verification of their accuracy before applying it for any purpose

REV. NO.	DATE	DESCRIPTION	APPROVED

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
LANDSCAPE IRRIGATION PLAN

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No:	CB 1083	DRAWN BY:	SEC
DESIGNED BY:	SEC	CHECKED BY:	WTS
APPROVED BY	WTS		

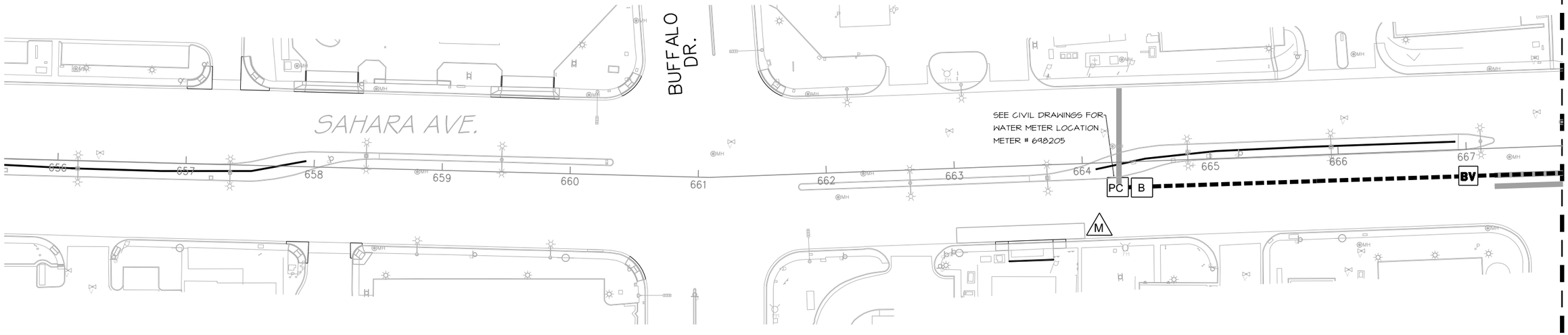
J W ZUNINO LANDSCAPE ARCHITECTURE
LAS VEGAS NV 3191 SLOANES BLVD. | LAS VEGAS, NV 89146 P 702.253.2300 | F 702.253.1616
CARLSBAD CA 2249 FARADAY AVE. | CARLSBAD, CA 92008

SCALE	SHEET No.
HORIZ : 1"=40'-0"	L2.26
VERT : NA	
FIELD BOOK : NONE	Sheet 249D of 592

AS-BUILT - 05.31.2012

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

XREF :
FILE :



IRRIGATION NOTES

1. THE CONTRACTOR SHALL VERIFY THE STATIC PRESSURE AT THE POINT OF CONNECTION AND MAKE FINAL CONNECTIONS ALLOWING FOR ANY POSSIBLE DEVIATIONS FROM LOCATION SHOWN ON PLANS DUE TO SITE CONDITIONS. ANY DEVIATIONS FROM THE DESIGN SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE.
2. THE IRRIGATION PLAN IS DRAWN FOR GRAPHIC CLARITY, WHERE PIPING AND VALVES ARE SHOWN IN CONCRETE AREAS, THE INTENT IS FOR THE PIPING AND VALVES TO BE PLACED IN THE ADJACENT PLANTING AREAS, EXCEPT WHERE SLEEVES ARE REQUIRED. PLACE ALL VALVE BOXES IN SHRUB BEDS.
3. SEE CIVIL DRAWINGS FOR LOCATION OF POINT OF CONNECTION, METER SIZE, ETC.
4. BACKFLOW PREVENTER(S) TO BE IN COMPLIANCE WITH THE LAS VEGAS VALLEY WATER DISTRICT STANDARDS, CODES, AND REGULATIONS (LVVWD PLATE NO. 11).
5. INSTALL SLEEVING BASED ON THE SIZING GUIDE BELOW:

PIPE SIZE	REQUIRED SLEEVING
2 1/2" TO 3" PVC	1 - 6" SCH 40 PVC SLEEVE
1 1/4" TO 2" PVC	1 - 4" SCH 40 PVC SLEEVE
3/4" TO 1" PVC	1 - 2" SCH 40 PVC SLEEVE
WIRE QUANTITY	**REQUIRED SLEEVING**
1 - 25 CONTROL WIRES	1 - 2" SCH 40 PVC SLEEVE
26 - 50 CONTROL WIRES	2 - 2" SCH 40 PVC SLEEVE

6. CONTRACTOR TO PROVIDE ALL NECESSARY SLEEVING UNDER ROADS, CONCRETE SLABS, ETC.
7. VALVE BOXES TO BE PERMANENTLY BRANDED WITH CONTROLLER LETTER & STATION (EXAMPLES: STATION = A3, QUICK COUPLER = QC) LETTER AND STATION IDENTIFICATION SHALL BE 2 INCH HIGH MIN. VALVE BOXES TO HAVE LOCKING CAPABILITY. VALVE BOXES TO BE LOCATED IN PLANTING BEDS ONLY.
8. CONTRACTOR IS RESPONSIBLE TO VERIFY UTILITY LOCATION, OBTAIN, COORDINATE AND PAY FOR ANY PERMITS AND ALL INSPECTIONS AS REQUIRED.
9. CONTRACTOR RESPONSIBLE FOR POWER CONNECTION, PHONE LINE AND ACTIVATION OF IRRIGATION CONTROLLER(S) PRIOR TO SUBSTANTIAL COMPLETION.
10. CONTRACTOR TO PROVIDE POSITIVE DRAINAGE AWAY FROM ALL STRUCTURES, WALLS, AND ON ALL SIDEWALKS ACCORDING TO ALL CODES, REGULATIONS, AND REQUIREMENTS.
11. IF PIPING CROSSES PORTIONS OF ROADWAY NOT BEING IMPACTED BY CONSTRUCTION CONTRACTOR IS TO SAW CUT AND PATCH ASPHALT WHERE NECESSARY IN ORDER TO INSTALL PIPE AS SHOWN ON PLANS.
12. ALL WIRE SHALL BE SPLICED IN VALVE BOXES OR PULL BOXES ONLY.
13. VALVE BOXES SHALL BE CONCRETE WITH STEEL LID.
14. CONTRACTOR TO LOCATE AND INSTALL ONE ET GAUGE WITH STAINLESS STEEL HOUSING NEXT TO EACH IRRIGATION CONTROLLER AS SHOWN ON PLANS. CONTRACTOR TO MAKE FINAL CONNECTIONS TO CONTROLLER AS REQUIRED.
15. PRESSURE REDUCING VALVES ARE REQUIRED TO BE INSTALLED WHEN THE STATIC WATER PRESSURE IS IN EXCESS OF 80 PSI
16. RPPA'S IN MEDIAN REQUIRE BOLLARDS PER UDACS PLATES 4.8 AND 75. SEE LVVWD NORES FOR RPPA'S ON SHEET LN-1.

IRRIGATION EQUIPMENT LEGEND

SYMBOL	DESCRIPTION	MANUFACTURER	MODEL	SIZE
PC	POINT OF CONNECTION	SEE CIVIL DRAWINGS		-----
B	BACKFLOW PREVENTER	FEBCO	825 YA	1"
WM	WATER METER	SEE CIVIL DRAWINGS		SEE CIVIL PLANS FOR SIZES AND LOCATION
EXWM	EXISTING WATER METER			CONFIRM LOCATION AND SIZE
F	REMOTE CONTROL VALVE W/WYE FILTER & BALL VALVE	RAINBIRD AGRICULTURE PRODUCTS	PEB 4E-1-B-200	SIZE AS PER PLAN 1"
	PRESSURE REDUCING VALVE	SENNINGER	PMR-MF	1.5"
BV	BRONZE GATE VALVE	NIBCO	T-113	SIZE AS PER LINE
A B C D	IRRIGATION CONTROLLER	RAINBIRD	TBOS6CMUS	6 STATIONS
E F G H I J K L M N P Q R S	CONTROLLERS WILL NOT BE ON SITE, SHOWN FOR SEQUENCING ON PLANS.			
▪▪▪▪▪▪	PVC MAINLINE	2" & LARGER	CLASS 315	2"- SIZED FOR POTENTIAL EXPANSION
———	PVC LATERAL LINE	----	SCHEDULE 40	1.5"
NOT SHOWN	PVC FLEXIBLE TUBING SEE DETAIL 'L' ON L3.01	SALCO	PVC AR-050	1/2" I.D.
NOT SHOWN	EMITTER	BOWSMITH	SL220	SEE EMITTER SCHEDULE
▬▬▬	SLEEVE UNDER PAVED AREAS	-----	SCHEDULE 40	SEE NOTE #5

ID / SIZE — GPM — IRRIGATION CONTROLLER
GPM — FLOW IN GPM
TYPE — PLANT MATERIAL
SIZE — VALVE SIZE

EMITTER SCHEDULE

PLANT SIZE	G.P.H.	QTY.	EMITTER	MANUFACTURER
36" BOX	16	8	SL220	BOWSMITH
24" BOX	16	8	SL220	BOWSMITH

RECORD DRAWINGS
DATE: 09/12/12

These record drawings have been reviewed based upon information furnished by others. While this information is believed to be reliable, JW Zunino Landscape Architecture cannot assure their accuracy of these record drawings or any errors or omissions that may have been incorporated as a result. Those relying on these record drawings are advised to obtain independent verification of their accuracy before applying it for any purpose

0 40' 80' 120'
SCALE: 1" = 40'-0"

NORTH

AVOID HITTING OVERHEAD UTILITY LINES IT'S COSTLY
Call before you OVERHEAD
1-702-402-2929
AVOID CUTTING UNDERGROUND UTILITY LINES IT'S COSTLY
Call before you Dig. 811
UNDERGROUND SERVICE ALERT (USA)

REV. NO.	DATE	DESCRIPTION	APPROVED

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
LANDSCAPE IRRIGATION PLAN

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: SEC
DESIGNED BY: SEC CHECKED BY: WTS
APPROVED BY WTS

J W ZUNINO LANDSCAPE ARCHITECTURE
LAS VEGAS NV 3191 SUCCESS BLVD | LAS VEGAS, NV 89146 P 702.753.2200 | F 702.293.1010
CARLSBAD CA 2240 FARADAY AVE. | CARLSBAD, CA 92008

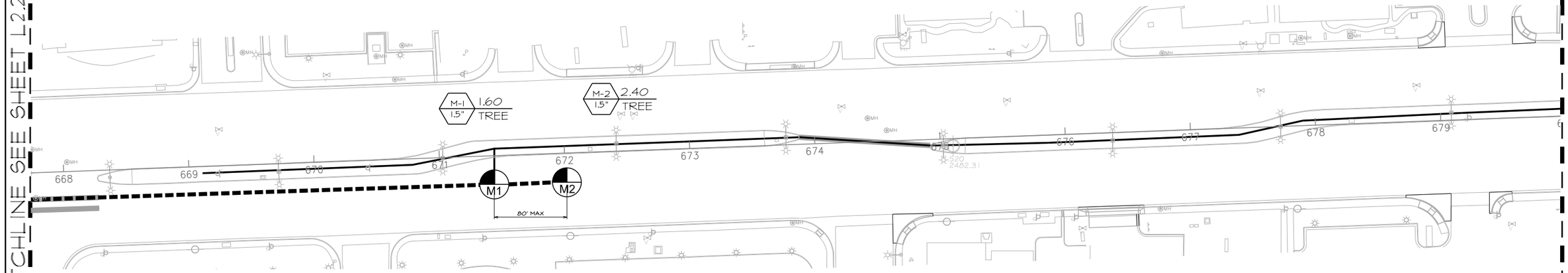
SCALE
HORIZ : 1"=40'-0"
VERT : NA
FIELD BOOK : NONE

SHEET No. L2.27
Sheet 249E of 592

XREF :
FILE :

AS-BUILT - 05.31.2012

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT



IRRIGATION NOTES

1. THE CONTRACTOR SHALL VERIFY THE STATIC PRESSURE AT THE POINT OF CONNECTION AND MAKE FINAL CONNECTIONS ALLOWING FOR ANY POSSIBLE DEVIATIONS FROM LOCATION SHOWN ON PLANS DUE TO SITE CONDITIONS. ANY DEVIATIONS FROM THE DESIGN SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE.
2. THE IRRIGATION PLAN IS DRAWN FOR GRAPHIC CLARITY, WHERE PIPING AND VALVES ARE SHOWN IN CONCRETE AREAS, THE INTENT IS FOR THE PIPING AND VALVES TO BE PLACED IN THE ADJACENT PLANTING AREAS, EXCEPT WHERE SLEEVES ARE REQUIRED. PLACE ALL VALVE BOXES IN SHRUB BEDS.
3. SEE CIVIL DRAWINGS FOR LOCATION OF POINT OF CONNECTION, METER SIZE, ETC.
4. BACKFLOW PREVENTER(S) TO BE IN COMPLIANCE WITH THE LAS VEGAS VALLEY WATER DISTRICT STANDARDS, CODES, AND REGULATIONS (LVVWD PLATE NO. 11).
5. INSTALL SLEEVING BASED ON THE SIZING GUIDE BELOW:

PIPE SIZE	REQUIRED SLEEVING
2 1/2" TO 3" PVC	1 - 6" SCH 40 PVC SLEEVE
1 1/4" TO 2" PVC	1 - 4" SCH 40 PVC SLEEVE
3/4" TO 1" PVC	1 - 2" SCH 40 PVC SLEEVE
WIRE QUANTITY	**REQUIRED SLEEVING**
1 - 25 CONTROL WIRES	1 - 2" SCH 40 PVC SLEEVE
26 - 50 CONTROL WIRES	2 - 2" SCH 40 PVC SLEEVE

6. CONTRACTOR TO PROVIDE ALL NECESSARY SLEEVING UNDER ROADS, CONCRETE SLABS, ETC.
7. VALVE BOXES TO BE PERMANENTLY BRANDED WITH CONTROLLER LETTER & STATION (EXAMPLES: STATION = A3, QUICK COUPLER = QC) LETTER AND STATION IDENTIFICATION SHALL BE 2 INCH HIGH MIN. VALVE BOXES TO HAVE LOCKING CAPABILITY. VALVE BOXES TO BE LOCATED IN PLANTING BEDS ONLY.
8. CONTRACTOR IS RESPONSIBLE TO VERIFY UTILITY LOCATION, OBTAIN, COORDINATE AND PAY FOR ANY PERMITS AND ALL INSPECTIONS AS REQUIRED.
9. CONTRACTOR RESPONSIBLE FOR POWER CONNECTION, PHONE LINE AND ACTIVATION OF IRRIGATION CONTROLLER(S) PRIOR TO SUBSTANTIAL COMPLETION.
10. CONTRACTOR TO PROVIDE POSITIVE DRAINAGE AWAY FROM ALL STRUCTURES, WALLS, AND ON ALL SIDEWALKS ACCORDING TO ALL CODES, REGULATIONS, AND REQUIREMENTS.
11. IF PIPING CROSSES PORTIONS OF ROADWAY NOT BEING IMPACTED BY CONSTRUCTION CONTRACTOR IS TO SAW CUT AND PATCH ASPHALT WHERE NECESSARY IN ORDER TO INSTALL PIPE AS SHOWN ON PLANS.
12. ALL WIRE SHALL BE SPLICED IN VALVE BOXES OR PULL BOXES ONLY.
13. VALVE BOXES SHALL BE CONCRETE WITH STEEL LID.
14. CONTRACTOR TO LOCATE AND INSTALL ONE ET GAUGE WITH STAINLESS STEEL HOUSING NEXT TO EACH IRRIGATION CONTROLLER AS SHOWN ON PLANS. CONTRACTOR TO MAKE FINAL CONNECTIONS TO CONTROLLER AS REQUIRED.
15. PRESSURE REDUCING VALVES ARE REQUIRED TO BE INSTALLED WHEN THE STATIC WATER PRESSURE IS IN EXCESS OF 80 PSI
16. RPPA'S IN MEDIAN REQUIRE BOLLARDS PER UDACS PLATES 4.8 AND 75. SEE LVVWD NORES FOR RPPA'S ON SHEET LN-1.

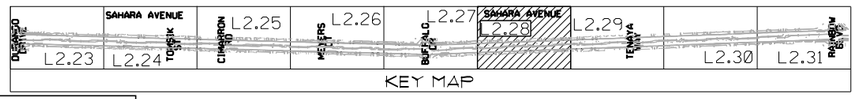
IRRIGATION EQUIPMENT LEGEND

SYMBOL	DESCRIPTION	MANUFACTURER	MODEL	SIZE
PC	POINT OF CONNECTION	SEE CIVIL DRAWINGS		-----
B	BACKFLOW PREVENTER	FEBCO	825 YA	1"
WM	WATER METER	SEE CIVIL DRAWINGS		SEE CIVIL PLANS FOR SIZES AND LOCATION
EXWM	EXISTING WATER METER			CONFIRM LOCATION AND SIZE
F	REMOTE CONTROL VALVE W/HYE FILTER & BALL VALVE	RAINBIRD AGRICULTURE PRODUCTS	PEB 4E-1-B-200	SIZE AS PER PLAN 1"
	PRESSURE REDUCING VALVE	SENNINGER	PMR-MF	1.5"
BV	BRONZE GATE VALVE	NIBCO	T-113	SIZE AS PER LINE
A B C D	IRRIGATION CONTROLLER	RAINBIRD	TBOS6CMUS	6 STATIONS
E F G H I J K L M N P Q R S	CONTROLLERS WILL NOT BE ON SITE, SHOWN FOR SEQUENCING ON PLANS.			
▪▪▪▪▪▪	PVC MAINLINE	2" & LARGER	CLASS 315	2"- SIZED FOR POTENTIAL EXPANSION
———	PVC LATERAL LINE	----	SCHEDULE 40	1.5"
NOT SHOWN	PVC FLEXIBLE TUBING SEE DETAIL 'L' ON L3.01	SALCO	PVC AR-050	1/2" I.D.
NOT SHOWN	EMITTER	BOWSMITH	SL220	SEE EMITTER SCHEDULE
▬▬▬	SLEEVE UNDER PAVED AREAS	-----	SCHEDULE 40	SEE NOTE #5

ID / SIZE — GPM — TYPE
IRRIGATION CONTROLLER
FLOW IN GPM
PLANT MATERIAL
VALVE SIZE

EMITTER SCHEDULE

PLANT SIZE	G.P.H.	QTY.	EMITTER	MANUFACTURER
36" BOX	16	8	SL220	BOWSMITH
24" BOX	16	8	SL220	BOWSMITH



RECORD DRAWINGS
DATE: 09/12/12

These record drawings have been reviewed based upon information furnished by others. While this information is believed to be reliable, JW Zunino Landscape Architecture cannot assure their accuracy of these record drawings or any errors or omissions that may have been incorporated as a result. Those relying on these record drawings are advised to obtain independent verification of their accuracy before applying it for any purpose

0 40' 80' 120'
SCALE: 1" = 40'-0"

NORTH

Call before you OVERHEAD 1-702-402-2929 (LAS VEGAS METROPOLITAN POLICE DEPARTMENT SAFETY SERVICES DEPARTMENT)

Call before you Dig. 811 (UNDERGROUND SERVICE ALERT (USA))

AS-BUILT - 05.31.2012

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

REV. NO.	DATE	DESCRIPTION	APPROVED

XREF :
FILE :

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
LANDSCAPE IRRIGATION PLAN

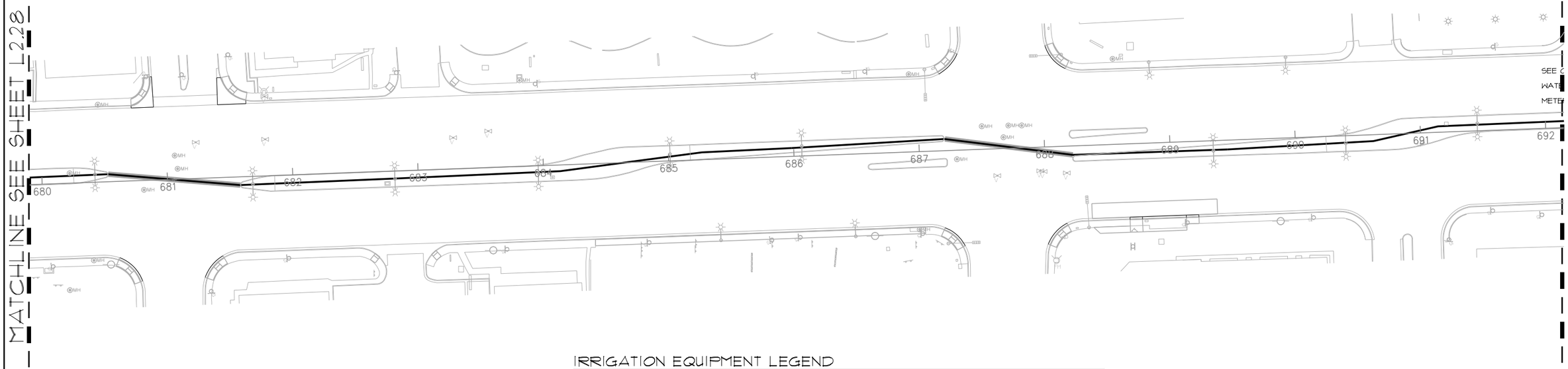
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: SEC
DESIGNED BY: SEC CHECKED BY: WTS
APPROVED BY WTS

J W ZUNINO LANDSCAPE ARCHITECTURE
LAS VEGAS NV 3191 SUCCESS BLVD. | LAS VEGAS, NV 89146 P 702.795.3300 | F 702.795.1010
CARLSBAD CA 2246 FARADAY AVE. | CARLSBAD, CA 92008

SCALE
HORIZ : 1"=40'-0"
VERT : NA
FIELD BOOK :
NONE

SHEET No. L2.28
Sheet 249F of 592



IRRIGATION NOTES

1. THE CONTRACTOR SHALL VERIFY THE STATIC PRESSURE AT THE POINT OF CONNECTION AND MAKE FINAL CONNECTIONS ALLOWING FOR ANY POSSIBLE DEVIATIONS FROM LOCATION SHOWN ON PLANS DUE TO SITE CONDITIONS. ANY DEVIATIONS FROM THE DESIGN SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE.
2. THE IRRIGATION PLAN IS DRAWN FOR GRAPHIC CLARITY, WHERE PIPING AND VALVES ARE SHOWN IN CONCRETE AREAS, THE INTENT IS FOR THE PIPING AND VALVES TO BE PLACED IN THE ADJACENT PLANTING AREAS, EXCEPT WHERE SLEEVES ARE REQUIRED. PLACE ALL VALVE BOXES IN SHRUB BEDS.
3. SEE CIVIL DRAWINGS FOR LOCATION OF POINT OF CONNECTION, METER SIZE, ETC.
4. BACKFLOW PREVENTER(S) TO BE IN COMPLIANCE WITH THE LAS VEGAS VALLEY WATER DISTRICT STANDARDS, CODES, AND REGULATIONS (LVVWD PLATE NO. 11).
5. INSTALL SLEEVING BASED ON THE SIZING GUIDE BELOW:

PIPE SIZE	REQUIRED SLEEVING
2 1/2" TO 3" PVC	1 - 6" SCH 40 PVC SLEEVE
1 1/4" TO 2" PVC	1 - 4" SCH 40 PVC SLEEVE
3/4" TO 1" PVC	1 - 2" SCH 40 PVC SLEEVE
WIRE QUANTITY	**REQUIRED SLEEVING**
1 - 25 CONTROL WIRES	1 - 2" SCH 40 PVC SLEEVE
26 - 50 CONTROL WIRES	2 - 2" SCH 40 PVC SLEEVE

6. CONTRACTOR TO PROVIDE ALL NECESSARY SLEEVING UNDER ROADS, CONCRETE SLABS, ETC.
7. VALVE BOXES TO BE PERMANENTLY BRANDED WITH CONTROLLER LETTER & STATION (EXAMPLES: STATION = A3, QUICK COUPLER = QC) LETTER AND STATION IDENTIFICATION SHALL BE 2 INCH HIGH MIN. VALVE BOXES TO HAVE LOCKING CAPABILITY. VALVE BOXES TO BE LOCATED IN PLANTING BEDS ONLY.
8. CONTRACTOR IS RESPONSIBLE TO VERIFY UTILITY LOCATION, OBTAIN, COORDINATE AND PAY FOR ANY PERMITS AND ALL INSPECTIONS AS REQUIRED.
9. CONTRACTOR RESPONSIBLE FOR POWER CONNECTION, PHONE LINE AND ACTIVATION OF IRRIGATION CONTROLLER(S) PRIOR TO SUBSTANTIAL COMPLETION.
10. CONTRACTOR TO PROVIDE POSITIVE DRAINAGE AWAY FROM ALL STRUCTURES, WALLS, AND ON ALL SIDEWALKS ACCORDING TO ALL CODES, REGULATIONS, AND REQUIREMENTS.
11. IF PIPING CROSSES PORTIONS OF ROADWAY NOT BEING IMPACTED BY CONSTRUCTION CONTRACTOR IS TO SAW CUT AND PATCH ASPHALT WHERE NECESSARY IN ORDER TO INSTALL PIPE AS SHOWN ON PLANS.
12. ALL WIRE SHALL BE SPLICED IN VALVE BOXES OR PULL BOXES ONLY.
13. VALVE BOXES SHALL BE CONCRETE WITH STEEL LID.
14. CONTRACTOR TO LOCATE AND INSTALL ONE ET GAUGE WITH STAINLESS STEEL HOUSING NEXT TO EACH IRRIGATION CONTROLLER AS SHOWN ON PLANS. CONTRACTOR TO MAKE FINAL CONNECTIONS TO CONTROLLER AS REQUIRED.
15. PRESSURE REDUCING VALVES ARE REQUIRED TO BE INSTALLED WHEN THE STATIC WATER PRESSURE IS IN EXCESS OF 80 PSI
16. RPPA'S IN MEDIAN REQUIRE BOLLARDS PER UDACS PLATES 4.8 AND 75. SEE LVVWD NORES FOR RPPA'S ON SHEET LN-1.

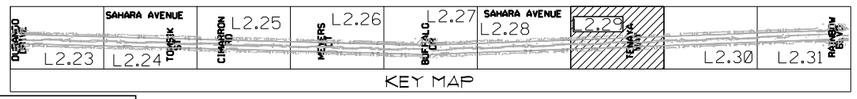
IRRIGATION EQUIPMENT LEGEND

SYMBOL	DESCRIPTION	MANUFACTURER	MODEL	SIZE
PC	POINT OF CONNECTION	SEE CIVIL DRAWINGS		-----
B	BACKFLOW PREVENTER	FEBCO	825 YA	1"
WM	WATER METER	SEE CIVIL DRAWINGS		SEE CIVIL PLANS FOR SIZES AND LOCATION
EXWM	EXISTING WATER METER			CONFIRM LOCATION AND SIZE
F	REMOTE CONTROL VALVE W/HYE FILTER & BALL VALVE	RAINBIRD AGRICULTURE PRODUCTS	PEB 4E-1-B-200	SIZE AS PER PLAN 1"
	PRESSURE REDUCING VALVE	SENNINGER	PMR-MF	1.5"
BV	BRONZE GATE VALVE	NIBCO	T-113	SIZE AS PER LINE
A B C D	IRRIGATION CONTROLLER	RAINBIRD	TBOS6CMUS	6 STATIONS
E F G H I J K L M N P Q R S	CONTROLLERS WILL NOT BE ON SITE, SHOWN FOR SEQUENCING ON PLANS.			
▪▪▪▪▪▪	PVC MAINLINE	2" & LARGER	CLASS 315	2"- SIZED FOR POTENTIAL EXPANSION
———	PVC LATERAL LINE	----	SCHEDULE 40	1.5"
NOT SHOWN	PVC FLEXIBLE TUBING SEE DETAIL 'L' ON L3.01	SALCO	PVC AR-050	1/2" I.D.
NOT SHOWN	EMITTER	BOWSMITH	SL220	SEE EMITTER SCHEDULE
▬▬▬	SLEEVE UNDER PAVED AREAS	-----	SCHEDULE 40	SEE NOTE #5

ID / SIZE — GPM / TYPE
- IRRIGATION CONTROLLER
- FLOW IN GPM
- PLANT MATERIAL
- VALVE SIZE

EMITTER SCHEDULE

PLANT SIZE	G.P.H.	QTY.	EMITTER	MANUFACTURER
36" BOX	16	8	SL220	BOWSMITH
24" BOX	16	8	SL220	BOWSMITH



RECORD DRAWINGS
DATE: 09/12/12

These record drawings have been reviewed based upon information furnished by others. While this information is believed to be reliable, JW Zunino Landscape Architecture cannot assure their accuracy of these record drawings or any errors or omissions that may have been incorporated as a result. Those relying on these record drawings are advised to obtain independent verification of their accuracy before applying it for any purpose

0 40' 80' 120'
SCALE: 1" = 40'-0"

NORTH

Call before you OVERHEAD 1-702-402-2929 (CLARK COUNTY NV DEPT. OF AVIATION SAFETY SERVICES DEPARTMENT) — AVOID HITTING OVERHEAD UTILITY LINES IT'S ODELY

Call before you Dig. 811 (UNDERGROUND SERVICE ALERT (USA)) — AVOID CUTTING UNDERGROUND UTILITY LINES IT'S ODELY

REV. NO.	DATE	DESCRIPTION	APPROVED

XREF :
FILE :

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
LANDSCAPE IRRIGATION PLAN

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No:	CB 1083	DRAWN BY:	SEC
DESIGNED BY:	SEC	CHECKED BY:	WTS
APPROVED BY	WTS		

J W ZUNINO LANDSCAPE ARCHITECTURE
LAS VEGAS NV 3191 SUCCESS BLVD | LAS VEGAS, NV 89146 P 702.753.2200 | F 702.293.1010
CARLSBAD CA 2246 FARADAY AVE. | CARLSBAD, CA 92008

SCALE
HORIZ : 1"=40'-0"
VERT : NA
FIELD BOOK : NONE

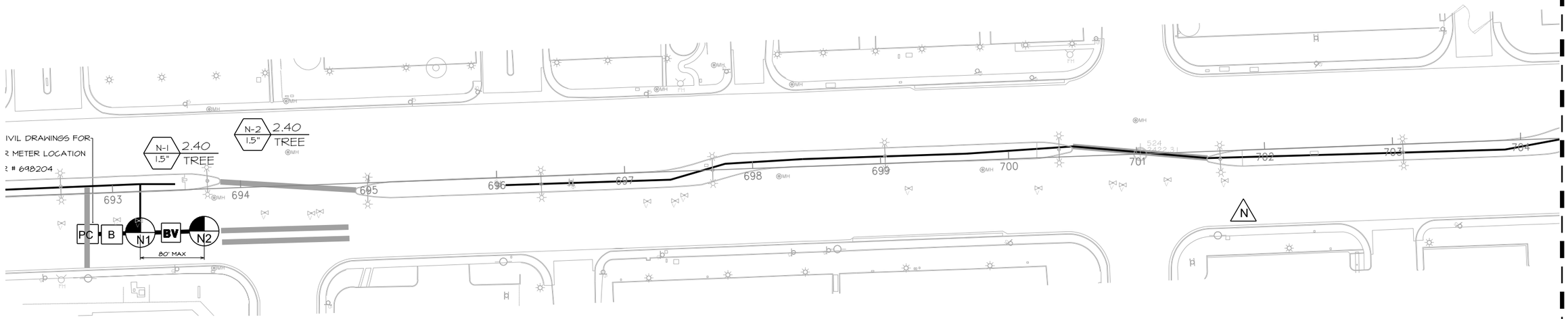
SHEET No. L2.29

Sheet 249G of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS-BUILT - 05.31.2012

MATCHLINE SEE SHEET L2.29



MATCHLINE SEE SHEET L2.31

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS-BUILT - 05.31.2012

IRRIGATION NOTES

1. THE CONTRACTOR SHALL VERIFY THE STATIC PRESSURE AT THE POINT OF CONNECTION AND MAKE FINAL CONNECTIONS ALLOWING FOR ANY POSSIBLE DEVIATIONS FROM LOCATION SHOWN ON PLANS DUE TO SITE CONDITIONS. ANY DEVIATIONS FROM THE DESIGN SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE.
2. THE IRRIGATION PLAN IS DRAWN FOR GRAPHIC CLARITY, WHERE PIPING AND VALVES ARE SHOWN IN CONCRETE AREAS, THE INTENT IS FOR THE PIPING AND VALVES TO BE PLACED IN THE ADJACENT PLANTING AREAS, EXCEPT WHERE SLEEVES ARE REQUIRED. PLACE ALL VALVE BOXES IN SHRUB BEDS.
3. SEE CIVIL DRAWINGS FOR LOCATION OF POINT OF CONNECTION, METER SIZE, ETC.
4. BACKFLOW PREVENTER(S) TO BE IN COMPLIANCE WITH THE LAS VEGAS VALLEY WATER DISTRICT STANDARDS, CODES, AND REGULATIONS (LVVWD PLATE NO. 11).
5. INSTALL SLEEVING BASED ON THE SIZING GUIDE BELOW:

PIPE SIZE	REQUIRED SLEEVING
2 1/2" TO 3" PVC	1 - 6" SCH 40 PVC SLEEVE
1 1/4" TO 2" PVC	1 - 4" SCH 40 PVC SLEEVE
3/4" TO 1" PVC	1 - 2" SCH 40 PVC SLEEVE
WIRE QUANTITY	**REQUIRED SLEEVING**
1 - 25 CONTROL WIRES	1 - 2" SCH 40 PVC SLEEVE
26 - 50 CONTROL WIRES	2 - 2" SCH 40 PVC SLEEVE

6. CONTRACTOR TO PROVIDE ALL NECESSARY SLEEVING UNDER ROADS, CONCRETE SLABS, ETC.
7. VALVE BOXES TO BE PERMANENTLY BRANDED WITH CONTROLLER LETTER & STATION (EXAMPLES: STATION = A3, QUICK COUPLER = QC) LETTER AND STATION IDENTIFICATION SHALL BE 2 INCH HIGH MIN. VALVE BOXES TO HAVE LOCKING CAPABILITY. VALVE BOXES TO BE LOCATED IN PLANTING BEDS ONLY.
8. CONTRACTOR IS RESPONSIBLE TO VERIFY UTILITY LOCATION, OBTAIN, COORDINATE AND PAY FOR ANY PERMITS AND ALL INSPECTIONS AS REQUIRED.
9. CONTRACTOR RESPONSIBLE FOR POWER CONNECTION, PHONE LINE AND ACTIVATION OF IRRIGATION CONTROLLER(S) PRIOR TO SUBSTANTIAL COMPLETION.
10. CONTRACTOR TO PROVIDE POSITIVE DRAINAGE AWAY FROM ALL STRUCTURES, WALLS, AND ON ALL SIDEWALKS ACCORDING TO ALL CODES, REGULATIONS, AND REQUIREMENTS.
11. IF PIPING CROSSES PORTIONS OF ROADWAY NOT BEING IMPACTED BY CONSTRUCTION CONTRACTOR IS TO SAW CUT AND PATCH ASPHALT WHERE NECESSARY IN ORDER TO INSTALL PIPE AS SHOWN ON PLANS.
12. ALL WIRE SHALL BE SPLICED IN VALVE BOXES OR PULL BOXES ONLY.
13. VALVE BOXES SHALL BE CONCRETE WITH STEEL LID.
14. CONTRACTOR TO LOCATE AND INSTALL ONE ET GAUGE WITH STAINLESS STEEL HOUSING NEXT TO EACH IRRIGATION CONTROLLER AS SHOWN ON PLANS. CONTRACTOR TO MAKE FINAL CONNECTIONS TO CONTROLLER AS REQUIRED.
15. PRESSURE REDUCING VALVES ARE REQUIRED TO BE INSTALLED WHEN THE STATIC WATER PRESSURE IS IN EXCESS OF 80 PSI
16. RPPA'S IN MEDIAN REQUIRE BOLLARDS PER UDACS PLATES 4.8 AND 15. SEE LVVWD NORES FOR RPPA'S ON SHEET LN-1.

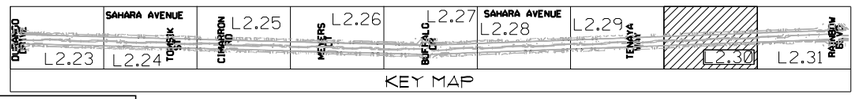
IRRIGATION EQUIPMENT LEGEND

SYMBOL	DESCRIPTION	MANUFACTURER	MODEL	SIZE
PC	POINT OF CONNECTION	SEE CIVIL DRAWINGS		-----
B	BACKFLOW PREVENTER	FEBCO	825 YA	1"
WM	WATER METER	SEE CIVIL DRAWINGS		SEE CIVIL PLANS FOR SIZES AND LOCATION
EXWM	EXISTING WATER METER			CONFIRM LOCATION AND SIZE
F	REMOTE CONTROL VALVE W/WYE FILTER & BALL VALVE	RAINBIRD AGRICULTURE PRODUCTS	PEB 4E-1-B-200	SIZE AS PER PLAN 1"
	PRESSURE REDUCING VALVE	SENNINGER	PMR-MF	1.5"
BV	BRONZE GATE VALVE	NIBCO	T-113	SIZE AS PER LINE
A B C D	IRRIGATION CONTROLLER	RAINBIRD	TBOS6CMUS	6 STATIONS
E F G H I J K L M N P Q R S	CONTROLLERS WILL NOT BE ON SITE, SHOWN FOR SEQUENCING ON PLANS.			
▪▪▪▪▪▪	PVC MAINLINE	2" & LARGER	CLASS 315	2"- SIZED FOR POTENTIAL EXPANSION
———	PVC LATERAL LINE	----	SCHEDULE 40	1.5"
NOT SHOWN	PVC FLEXIBLE TUBING SEE DETAIL 'L' ON L3.01	SALCO	PVC AR-050	1/2" I.D.
NOT SHOWN	EMITTER	BOWSMITH	SL220	SEE EMITTER SCHEDULE
———	SLEEVE UNDER PAVED AREAS	-----	SCHEDULE 40	SEE NOTE #5

ID / SIZE — GPM — FLOW IN GPM / TYPE — PLANT MATERIAL / VALVE SIZE

EMITTER SCHEDULE

PLANT SIZE	G.P.H.	QTY.	EMITTER	MANUFACTURER
36" BOX	16	8	SL220	BOWSMITH
24" BOX	16	8	SL220	BOWSMITH



RECORD DRAWINGS
DATE: 09/12/12

These record drawings have been reviewed based upon information furnished by others. While this information is believed to be reliable, JW Zunino Landscape Architecture cannot assure their accuracy of these record drawings or any errors or omissions that may have been incorporated as a result. Those relying on these record drawings are advised to obtain independent verification of their accuracy before applying it for any purpose

0 40' 80' 120'
SCALE: 1" = 40'-0"

NORTH

Call before you OVERHEAD 1-702-402-2929 (LAS VEGAS METROPOLITAN POLICE DEPARTMENT SAFETY SERVICES DEPARTMENT)

Call before you Dig. 811 (UNDERGROUND SERVICE ALERT (USA))

REV. NO.	DATE	DESCRIPTION	APPROVED

XREF :
FILE :

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
LANDSCAPE IRRIGATION PLAN

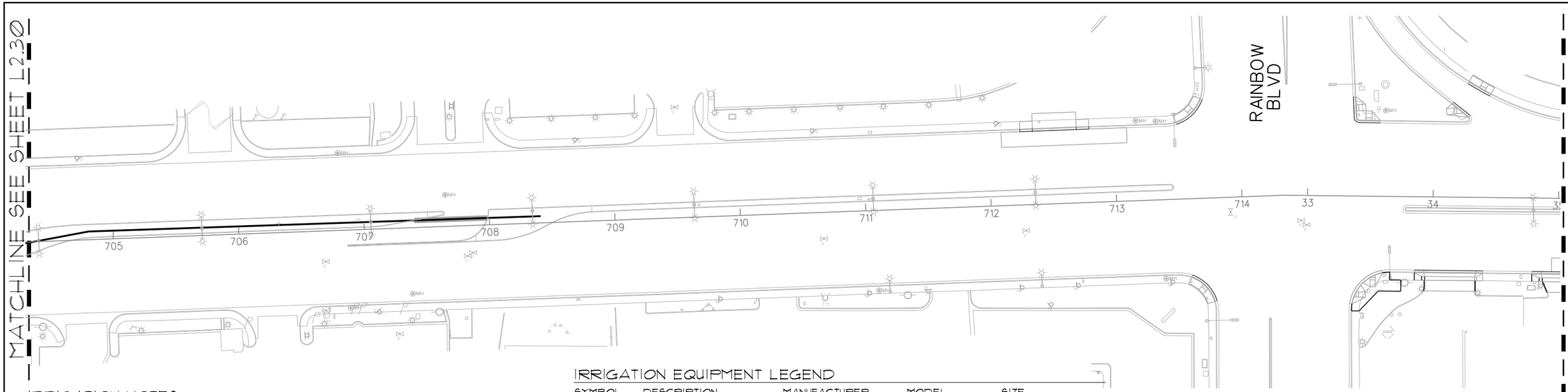
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: SEC
DESIGNED BY: SEC CHECKED BY: WTS
APPROVED BY WTS

J W ZUNINO LANDSCAPE ARCHITECTURE
LAS VEGAS NV 3191 SUCCESS BLVD | LAS VEGAS, NV 89146 P 702.753.2200 | F 702.293.1010
CARLSBAD CA 2246 FARADAY AVE. | CARLSBAD, CA 92008

SCALE
HORIZ : 1"=40'-0"
VERT : NA
FIELD BOOK :
NONE

SHEET No.
L2.30
Sheet 249H of 592



IRRIGATION NOTES

1. THE CONTRACTOR SHALL VERIFY THE STATIC PRESSURE AT THE POINT OF CONNECTION AND MAKE FINAL CONNECTIONS ALLOWING FOR ANY POSSIBLE DEVIATIONS FROM LOCATION SHOWN ON PLANS DUE TO SITE CONDITIONS. ANY DEVIATIONS FROM THE DESIGN SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE.
2. THE IRRIGATION PLAN IS DRAWN FOR GRAPHIC CLARITY, WHERE PIPING AND VALVES ARE SHOWN IN CONCRETE AREAS, THE INTENT IS FOR THE PIPING AND VALVES TO BE PLACED IN THE ADJACENT PLANTING AREAS, EXCEPT WHERE SLEEVES ARE REQUIRED. PLACE ALL VALVE BOXES IN SHRUB BEDS.
3. SEE CIVIL DRAWINGS FOR LOCATION OF POINT OF CONNECTION, METER SIZE, ETC.
4. BACKFLOW PREVENTER(S) TO BE IN COMPLIANCE WITH THE LAS VEGAS VALLEY WATER DISTRICT STANDARDS, CODES, AND REGULATIONS (LVVWD PLATE NO. 11).
5. INSTALL SLEEVING BASED ON THE SIZING GUIDE BELOW:

PIPE SIZE	REQUIRED SLEEVING
2 1/2" TO 3" PVC	1 - 6" SCH 40 PVC SLEEVE
1 1/4" TO 2" PVC	1 - 4" SCH 40 PVC SLEEVE
3/4" TO 1" PVC	1 - 2" SCH 40 PVC SLEEVE
WIRE QUANTITY	**REQUIRED SLEEVING**
1 - 25 CONTROL WIRES	1 - 2" SCH 40 PVC SLEEVE
26 - 50 CONTROL WIRES	2 - 2" SCH 40 PVC SLEEVE

6. CONTRACTOR TO PROVIDE ALL NECESSARY SLEEVING UNDER ROADS, CONCRETE SLABS, ETC.
7. VALVE BOXES TO BE PERMANENTLY BRANDED WITH CONTROLLER LETTER & STATION (EXAMPLES: STATION = A3, QUICK COUPLER = QC) LETTER AND STATION IDENTIFICATION SHALL BE 2 INCH HIGH MIN. VALVE BOXES TO HAVE LOCKING CAPABILITY. VALVE BOXES TO BE LOCATED IN PLANTING BEDS ONLY.
8. CONTRACTOR IS RESPONSIBLE TO VERIFY UTILITY LOCATION, OBTAIN, COORDINATE AND PAY FOR ANY PERMITS AND ALL INSPECTIONS AS REQUIRED.
9. CONTRACTOR RESPONSIBLE FOR POWER CONNECTION, PHONE LINE AND ACTIVATION OF IRRIGATION CONTROLLER(S) PRIOR TO SUBSTANTIAL COMPLETION.
10. CONTRACTOR TO PROVIDE POSITIVE DRAINAGE AWAY FROM ALL STRUCTURES, WALLS, AND ON ALL SIDEWALKS ACCORDING TO ALL CODES, REGULATIONS, AND REQUIREMENTS.
11. IF PIPING CROSSES PORTIONS OF ROADWAY NOT BEING IMPACTED BY CONSTRUCTION CONTRACTOR IS TO SAW CUT AND PATCH ASPHALT WHERE NECESSARY IN ORDER TO INSTALL PIPE AS SHOWN ON PLANS.
12. ALL WIRE SHALL BE SPLICED IN VALVE BOXES OR PULL BOXES ONLY.
13. VALVE BOXES SHALL BE CONCRETE WITH STEEL LID.
14. CONTRACTOR TO LOCATE AND INSTALL ONE ET GAUGE WITH STAINLESS STEEL HOUSING NEXT TO EACH IRRIGATION CONTROLLER AS SHOWN ON PLANS. CONTRACTOR TO MAKE FINAL CONNECTIONS TO CONTROLLER AS REQUIRED.
15. PRESSURE REDUCING VALVES ARE REQUIRED TO BE INSTALLED WHEN THE STATIC WATER PRESSURE IS IN EXCESS OF 80 PSI
16. RPPA'S IN MEDIAN REQUIRE BOLLARDS PER UDACS PLATES 4.8 AND 75. SEE LVVWD NORES FOR RPPA'S ON SHEET LN-1.

IRRIGATION EQUIPMENT LEGEND

SYMBOL	DESCRIPTION	MANUFACTURER	MODEL	SIZE
PC	POINT OF CONNECTION	SEE CIVIL DRAWINGS		-----
B	BACKFLOW PREVENTER	FEBCO	825 YA	1"
WM	WATER METER	SEE CIVIL DRAWINGS		SEE CIVIL PLANS FOR SIZES AND LOCATION
EXWM	EXISTING WATER METER			CONFIRM LOCATION AND SIZE
F	REMOTE CONTROL VALVE W/WYE FILTER & BALL VALVE	RAINBIRD AGRICULTURE PRODUCTS	PEB 4E-1-B-200	SIZE AS PER PLAN 1"
	PRESSURE REDUCING VALVE	SENNINGER	PMR-MF	1.5"
BV	BRONZE GATE VALVE	NIBCO	T-113	SIZE AS PER LINE
A B C D	IRRIGATION CONTROLLER	RAINBIRD	TBOS6CMUS	6 STATIONS
E F G H I J K L M N P Q R S	CONTROLLERS WILL NOT BE ON SITE, SHOWN FOR SEQUENCING ON PLANS.			
▪▪▪▪▪▪	PVC MAINLINE	2" & LARGER	CLASS 315	2"- SIZED FOR POTENTIAL EXPANSION
———	PVC LATERAL LINE	----	SCHEDULE 40	1.5"
NOT SHOWN	PVC FLEXIBLE TUBING SEE DETAIL 'L' ON L3.01	SALCO	PVC AR-050	1/2" I.D.
NOT SHOWN	EMITTER	BOWSMITH	SL220	SEE EMITTER SCHEDULE
▬▬▬	SLEEVE UNDER PAVED AREAS	-----	SCHEDULE 40	SEE NOTE #5

ID / SIZE — GPM / TYPE
- ID: IRRIGATION CONTROLLER
- GPM: FLOW IN GPM
- TYPE: PLANT MATERIAL
- SIZE: VALVE SIZE

EMITTER SCHEDULE

PLANT SIZE	G.P.H.	QTY.	EMITTER	MANUFACTURER
36" BOX	16	8	SL220	BOWSMITH
24" BOX	16	8	SL220	BOWSMITH

RECORD DRAWINGS
DATE: 09/12/12

These record drawings have been reviewed based upon information furnished by others. While this information is believed to be reliable, JW Zunino Landscape Architecture cannot assure their accuracy of these record drawings or any errors or omissions that may have been incorporated as a result. Those relying on these record drawings are advised to obtain independent verification of their accuracy before applying it for any purpose

0 40' 80' 120'
SCALE: 1" = 40'-0"

NORTH

Call before you OVERHEAD 1-702-402-2929 — AVOID HITTING OVERHEAD UTILITY LINES IT'S COSTLY
Call before you Dig. 811 — AVOID CUTTING UNDERGROUND UTILITY LINES IT'S COSTLY

REV. NO.	DATE	DESCRIPTION	APPROVED

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
LANDSCAPE IRRIGATION PLAN

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No:	CB 1083	DRAWN BY:	SEC
DESIGNED BY:	SEC	CHECKED BY:	WTS
APPROVED BY	WTS		

JW ZUNINO LANDSCAPE ARCHITECTURE
LAS VEGAS NV — 3191 SUCCESS BLVD | LAS VEGAS, NV 89146 | P 702.795.3300 | F 702.795.1010
CARLSBAD CA — 2240 AVIATION DR. | CARLSBAD, CA 92009

SCALE
HORIZ : 1"=40'-0"
VERT : NA
FIELD BOOK : NONE

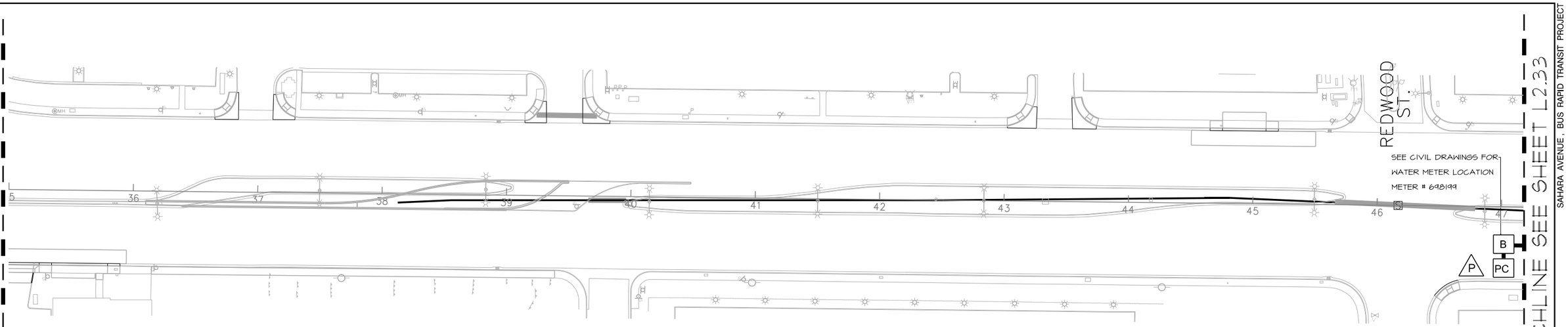
SHEET No. L2.31

Sheet 2491 of 592

XREF :
FILE :

AS-BUILT - 05.31.2012

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT



IRRIGATION NOTES

1. THE CONTRACTOR SHALL VERIFY THE STATIC PRESSURE AT THE POINT OF CONNECTION AND MAKE FINAL CONNECTIONS ALLOWING FOR ANY POSSIBLE DEVIATIONS FROM LOCATION SHOWN ON PLANS DUE TO SITE CONDITIONS. ANY DEVIATIONS FROM THE DESIGN SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE.
2. THE IRRIGATION PLAN IS DRAWN FOR GRAPHIC CLARITY, WHERE PIPING AND VALVES ARE SHOWN IN CONCRETE AREAS, THE INTENT IS FOR THE PIPING AND VALVES TO BE PLACED IN THE ADJACENT PLANTING AREAS, EXCEPT WHERE SLEEVES ARE REQUIRED. PLACE ALL VALVE BOXES IN SHRUB BEDS.
3. SEE CIVIL DRAWINGS FOR LOCATION OF POINT OF CONNECTION, METER SIZE, ETC.
4. BACKFLOW PREVENTER(S) TO BE IN COMPLIANCE WITH THE LAS VEGAS VALLEY WATER DISTRICT STANDARDS, CODES, AND REGULATIONS (LVVWD PLATE NO. 11).
5. INSTALL SLEEVING BASED ON THE SIZING GUIDE BELOW:

PIPE SIZE	REQUIRED SLEEVING
2 1/2" TO 3" PVC	1 - 6" SCH 40 PVC SLEEVE
1 1/4" TO 2" PVC	1 - 4" SCH 40 PVC SLEEVE
3/4" TO 1" PVC	1 - 2" SCH 40 PVC SLEEVE
WIRE QUANTITY	**REQUIRED SLEEVING**
1 - 25 CONTROL WIRES	1 - 2" SCH 40 PVC SLEEVE
26 - 50 CONTROL WIRES	2 - 2" SCH 40 PVC SLEEVE

6. CONTRACTOR TO PROVIDE ALL NECESSARY SLEEVING UNDER ROADS, CONCRETE SLABS, ETC.
7. VALVE BOXES TO BE PERMANENTLY BRANDED WITH CONTROLLER LETTER & STATION (EXAMPLES: STATION = A3, QUICK COUPLER = QC) LETTER AND STATION IDENTIFICATION SHALL BE 2 INCH HIGH MIN. VALVE BOXES TO HAVE LOCKING CAPABILITY. VALVE BOXES TO BE LOCATED IN PLANTING BEDS ONLY.
8. CONTRACTOR IS RESPONSIBLE TO VERIFY UTILITY LOCATION, OBTAIN, COORDINATE AND PAY FOR ANY PERMITS AND ALL INSPECTIONS AS REQUIRED.
9. CONTRACTOR RESPONSIBLE FOR POWER CONNECTION, PHONE LINE AND ACTIVATION OF IRRIGATION CONTROLLER(S) PRIOR TO SUBSTANTIAL COMPLETION.
10. CONTRACTOR TO PROVIDE POSITIVE DRAINAGE AWAY FROM ALL STRUCTURES, WALLS, AND ON ALL SIDEWALKS ACCORDING TO ALL CODES, REGULATIONS, AND REQUIREMENTS.
11. IF PIPING CROSSES PORTIONS OF ROADWAY NOT BEING IMPACTED BY CONSTRUCTION CONTRACTOR IS TO SAW CUT AND PATCH ASPHALT WHERE NECESSARY IN ORDER TO INSTALL PIPE AS SHOWN ON PLANS.
12. ALL WIRE SHALL BE SPLICED IN VALVE BOXES OR PULL BOXES ONLY.
13. VALVE BOXES SHALL BE CONCRETE WITH STEEL LID.
14. CONTRACTOR TO LOCATE AND INSTALL ONE ET GAUGE WITH STAINLESS STEEL HOUSING NEXT TO EACH IRRIGATION CONTROLLER AS SHOWN ON PLANS. CONTRACTOR TO MAKE FINAL CONNECTIONS TO CONTROLLER AS REQUIRED.
15. PRESSURE REDUCING VALVES ARE REQUIRED TO BE INSTALLED WHEN THE STATIC WATER PRESSURE IS IN EXCESS OF 80 PSI
16. RPPA'S IN MEDIAN REQUIRE BOLLARDS PER UDACS PLATES 4.8 AND 75. SEE LVVWD NORES FOR RPPA'S ON SHEET LN-1.

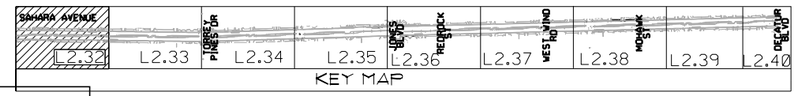
IRRIGATION EQUIPMENT LEGEND

SYMBOL	DESCRIPTION	MANUFACTURER	MODEL	SIZE
PC	POINT OF CONNECTION	SEE CIVIL DRAWINGS		-----
B	BACKFLOW PREVENTER	FEBCO	825 YA	1"
WM	WATER METER	SEE CIVIL DRAWINGS		SEE CIVIL PLANS FOR SIZES AND LOCATION
EXWM	EXISTING WATER METER			CONFIRM LOCATION AND SIZE
F	REMOTE CONTROL VALVE W/WYE FILTER & BALL VALVE	RAINBIRD AGRICULTURE PRODUCTS	PEB 4E-1-B-200	SIZE AS PER PLAN 1"
	PRESSURE REDUCING VALVE	SENNINGER	PMR-MF	1.5"
BV	BRONZE GATE VALVE	NIBCO	T-113	SIZE AS PER LINE
A B C D	IRRIGATION CONTROLLER	RAINBIRD	TBOS6CMUS	6 STATIONS
E F G H I J K L M N P Q R S	CONTROLLERS WILL NOT BE ON SITE, SHOWN FOR SEQUENCING ON PLANS.			
	PVC MAINLINE	2" & LARGER	CLASS 315	2"- SIZED FOR POTENTIAL EXPANSION
	PVC LATERAL LINE	----	SCHEDULE 40	1.5"
NOT SHOWN	PVC FLEXIBLE TUBING SEE DETAIL 'L' ON L3.01	SALCO	PVC AR-050	1/2" I.D.
NOT SHOWN	EMITTER	BOWSMITH	SL220	SEE EMITTER SCHEDULE
	SLEEVE UNDER PAVED AREAS	-----	SCHEDULE 40	SEE NOTE #5

ID SIZE / GPM / TYPE
- ID: IRRIGATION CONTROLLER
- GPM: FLOW IN GPM
- TYPE: PLANT MATERIAL
- SIZE: VALVE SIZE

EMITTER SCHEDULE

PLANT SIZE	G.P.H.	QTY.	EMITTER	MANUFACTURER
36" BOX	16	8	SL220	BOWSMITH
24" BOX	16	8	SL220	BOWSMITH



RECORD DRAWINGS
DATE: 09/12/12

These record drawings have been reviewed based upon information furnished by others. While this information is believed to be reliable, JW Zunino Landscape Architecture cannot assure their accuracy of these record drawings or any errors or omissions that may have been incorporated as a result. Those relying on these record drawings are advised to obtain independent verification of their accuracy before applying it for any purpose

0 40' 80' 120'
SCALE: 1" = 40'-0"

NORTH

AVOID HITTING OVERHEAD UTILITY LINES. IT'S COSTLY. Call before you OVERHEAD 1-702-402-2929 CLARK COUNTY, NV SAFETY SERVICES DEPARTMENT

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call before you Dig. 811 UNDERGROUND SERVICE ALERT (USA)

AS-BUILT - 05.31.2012

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

REV. NO.	DATE	DESCRIPTION	APPROVED

XREF :
FILE :

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
LANDSCAPE IRRIGATION PLAN

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

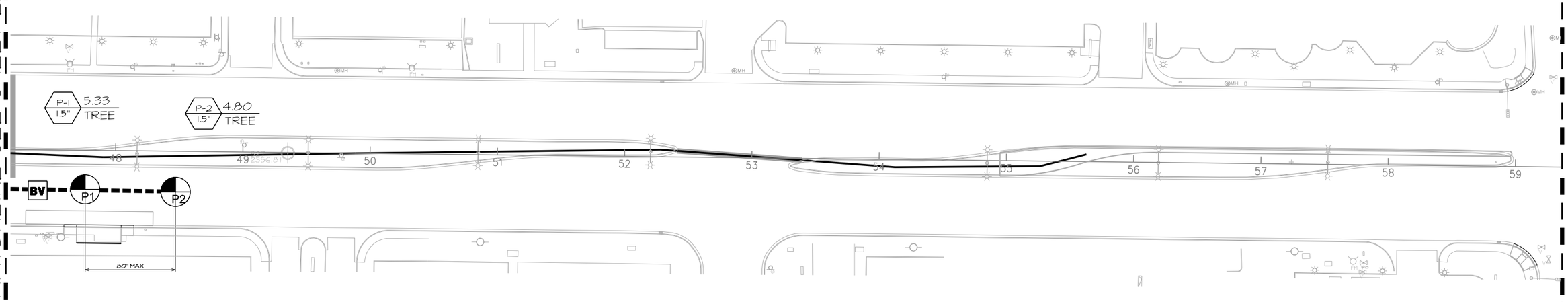
PROJECT No: CB 1083 DRAWN BY: SEC
DESIGNED BY: SEC CHECKED BY: WTS
APPROVED BY WTS

J W ZUNINO LANDSCAPE ARCHITECTURE
LAS VEGAS NV 3191 SUCHES BLVD | LAS VEGAS, NV 89146 P 702.753.2200 | F 702.293.1010
CARLSBAD CA 2246 FARADAY AVE. | CARLSBAD, CA 92008

SCALE
HORIZ : 1"=40'-0"
VERT : NA
FIELD BOOK :
NONE

SHEET No.
L2.32
Sheet 249J of 592

MATCHLINE SEE SHEET L2.32



MATCHLINE SEE SHEET L2.34

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

IRRIGATION NOTES

1. THE CONTRACTOR SHALL VERIFY THE STATIC PRESSURE AT THE POINT OF CONNECTION AND MAKE FINAL CONNECTIONS ALLOWING FOR ANY POSSIBLE DEVIATIONS FROM LOCATION SHOWN ON PLANS DUE TO SITE CONDITIONS. ANY DEVIATIONS FROM THE DESIGN SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE.
2. THE IRRIGATION PLAN IS DRAWN FOR GRAPHIC CLARITY, WHERE PIPING AND VALVES ARE SHOWN IN CONCRETE AREAS, THE INTENT IS FOR THE PIPING AND VALVES TO BE PLACED IN THE ADJACENT PLANTING AREAS, EXCEPT WHERE SLEEVES ARE REQUIRED. PLACE ALL VALVE BOXES IN SHRUB BEDS.
3. SEE CIVIL DRAWINGS FOR LOCATION OF POINT OF CONNECTION, METER SIZE, ETC.
4. BACKFLOW PREVENTER(S) TO BE IN COMPLIANCE WITH THE LAS VEGAS VALLEY WATER DISTRICT STANDARDS, CODES, AND REGULATIONS (LVVWD PLATE NO. 11).
5. INSTALL SLEEVING BASED ON THE SIZING GUIDE BELOW:

PIPE SIZE	REQUIRED SLEEVING
2 1/2" TO 3" PVC	1 - 6" SCH 40 PVC SLEEVE
1 1/4" TO 2" PVC	1 - 4" SCH 40 PVC SLEEVE
3/4" TO 1" PVC	1 - 2" SCH 40 PVC SLEEVE
WIRE QUANTITY	**REQUIRED SLEEVING**
1 - 25 CONTROL WIRES	1 - 2" SCH 40 PVC SLEEVE
26 - 50 CONTROL WIRES	2 - 2" SCH 40 PVC SLEEVE

6. CONTRACTOR TO PROVIDE ALL NECESSARY SLEEVING UNDER ROADS, CONCRETE SLABS, ETC.
7. VALVE BOXES TO BE PERMANENTLY BRANDED WITH CONTROLLER LETTER & STATION (EXAMPLES: STATION = A3, QUICK COUPLER = QC) LETTER AND STATION IDENTIFICATION SHALL BE 2 INCH HIGH MIN. VALVE BOXES TO HAVE LOCKING CAPABILITY. VALVE BOXES TO BE LOCATED IN PLANTING BEDS ONLY.
8. CONTRACTOR IS RESPONSIBLE TO VERIFY UTILITY LOCATION, OBTAIN, COORDINATE AND PAY FOR ANY PERMITS AND ALL INSPECTIONS AS REQUIRED.
9. CONTRACTOR RESPONSIBLE FOR POWER CONNECTION, PHONE LINE AND ACTIVATION OF IRRIGATION CONTROLLER(S) PRIOR TO SUBSTANTIAL COMPLETION.
10. CONTRACTOR TO PROVIDE POSITIVE DRAINAGE AWAY FROM ALL STRUCTURES, WALLS, AND ON ALL SIDEWALKS ACCORDING TO ALL CODES, REGULATIONS, AND REQUIREMENTS.
11. IF PIPING CROSSES PORTIONS OF ROADWAY NOT BEING IMPACTED BY CONSTRUCTION CONTRACTOR IS TO SAW CUT AND PATCH ASPHALT WHERE NECESSARY IN ORDER TO INSTALL PIPE AS SHOWN ON PLANS.
12. ALL WIRE SHALL BE SPLICED IN VALVE BOXES OR PULL BOXES ONLY.
13. VALVE BOXES SHALL BE CONCRETE WITH STEEL LID.
14. CONTRACTOR TO LOCATE AND INSTALL ONE ET GAUGE WITH STAINLESS STEEL HOUSING NEXT TO EACH IRRIGATION CONTROLLER AS SHOWN ON PLANS. CONTRACTOR TO MAKE FINAL CONNECTIONS TO CONTROLLER AS REQUIRED.
15. PRESSURE REDUCING VALVES ARE REQUIRED TO BE INSTALLED WHEN THE STATIC WATER PRESSURE IS IN EXCESS OF 80 PSI
16. RPPA'S IN MEDIAN REQUIRE BOLLARDS PER UDACS PLATES 4.8 AND 15. SEE LVVWD NORES FOR RPPA'S ON SHEET LN-1.

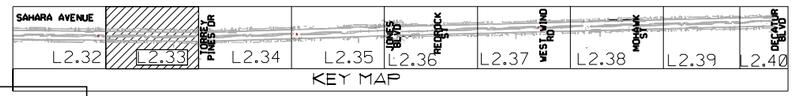
IRRIGATION EQUIPMENT LEGEND

SYMBOL	DESCRIPTION	MANUFACTURER	MODEL	SIZE
PC	POINT OF CONNECTION	SEE CIVIL DRAWINGS		-----
B	BACKFLOW PREVENTER	FEBCO	825 YA	1"
WM	WATER METER	SEE CIVIL DRAWINGS		SEE CIVIL PLANS FOR SIZES AND LOCATION
EXWM	EXISTING WATER METER			CONFIRM LOCATION AND SIZE
F	REMOTE CONTROL VALVE W/HYE FILTER & BALL VALVE	RAINBIRD AGRICULTURE PRODUCTS	PEB 4E-1-B-200	SIZE AS PER PLAN 1"
	PRESSURE REDUCING VALVE	SENNINGER	PMR-MF	1.5"
BV	BRONZE GATE VALVE	NIBCO	T-113	SIZE AS PER LINE
A B C D	IRRIGATION CONTROLLER	RAINBIRD	TBOS6CMUS	6 STATIONS
E F G H I J K L M N P Q R S	CONTROLLERS WILL NOT BE ON SITE, SHOWN FOR SEQUENCING ON PLANS.			
▪▪▪▪▪▪	PVC MAINLINE	2" & LARGER	CLASS 315	2"- SIZED FOR POTENTIAL EXPANSION
———	PVC LATERAL LINE	----	SCHEDULE 40	1.5"
NOT SHOWN	PVC FLEXIBLE TUBING SEE DETAIL 'L' ON L3.01	SALCO	PVC AR-050	1/2" I.D.
NOT SHOWN	EMITTER	BOWSMITH	SL220	SEE EMITTER SCHEDULE
———	SLEEVE UNDER PAVED AREAS	-----	SCHEDULE 40	SEE NOTE #5

ID / SIZE — IRRIGATION CONTROLLER
GPM — FLOW IN GPM
TYPE — PLANT MATERIAL
VALVE SIZE

EMITTER SCHEDULE

PLANT SIZE	G.P.H.	QTY.	EMITTER	MANUFACTURER
36" BOX	16	8	SL220	BOWSMITH
24" BOX	16	8	SL220	BOWSMITH



RECORD DRAWINGS
DATE: 09/12/12

These record drawings have been reviewed based upon information furnished by others. While this information is believed to be reliable, JW Zunino Landscape Architecture cannot assure their accuracy of these record drawings or any errors or omissions that may have been incorporated as a result. Those relying on these record drawings are advised to obtain independent verification of their accuracy before applying it for any purpose

0 40' 80' 120'
SCALE: 1" = 40'-0"

NORTH

Call before you OVERHEAD 1-702-402-2929 (LAS VEGAS METROPOLITAN AREA SAFETY SERVICES DEPARTMENT)

Call before you Dig. 811 (UNDERGROUND SERVICE ALERT (USA))

AS-BUILT - 05.31.2012

REV. NO.	DATE	DESCRIPTION	APPROVED

XREF :
FILE :

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
LANDSCAPE IRRIGATION PLAN

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

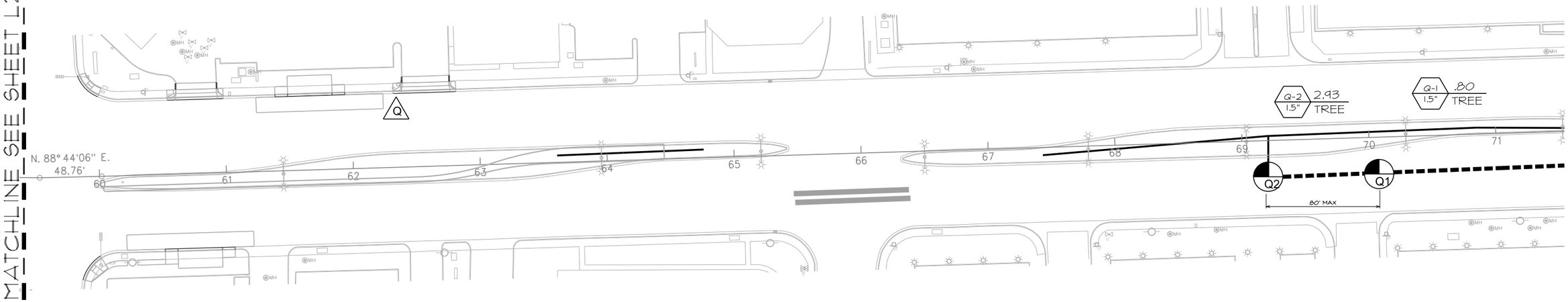
PROJECT No: CB 1083 DRAWN BY: SEC
DESIGNED BY: SEC CHECKED BY: WTS
APPROVED BY WTS

J W ZUNINO LANDSCAPE ARCHITECTURE
LAS VEGAS NV 3191 SUCCESS BLVD | LAS VEGAS, NV 89146 P 702.753.2200 | F 702.293.1010
CARLSBAD CA 2246 FARADAY AVE. | CARLSBAD, CA 92008

SCALE
HORIZ : 1"=40'-0"
VERT : NA
FIELD BOOK :
NONE

SHEET No.
L2.33
Sheet 249K of 592

MATCHLINE SEE SHEET L2.33



MATCHLINE SEE SHEET L2.35

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS-BUILT - 05.31.2012

IRRIGATION NOTES

1. THE CONTRACTOR SHALL VERIFY THE STATIC PRESSURE AT THE POINT OF CONNECTION AND MAKE FINAL CONNECTIONS ALLOWING FOR ANY POSSIBLE DEVIATIONS FROM LOCATION SHOWN ON PLANS DUE TO SITE CONDITIONS. ANY DEVIATIONS FROM THE DESIGN SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE.
2. THE IRRIGATION PLAN IS DRAWN FOR GRAPHIC CLARITY, WHERE PIPING AND VALVES ARE SHOWN IN CONCRETE AREAS, THE INTENT IS FOR THE PIPING AND VALVES TO BE PLACED IN THE ADJACENT PLANTING AREAS, EXCEPT WHERE SLEEVES ARE REQUIRED. PLACE ALL VALVE BOXES IN SHRUB BEDS.
3. SEE CIVIL DRAWINGS FOR LOCATION OF POINT OF CONNECTION, METER SIZE, ETC.
4. BACKFLOW PREVENTER(S) TO BE IN COMPLIANCE WITH THE LAS VEGAS VALLEY WATER DISTRICT STANDARDS, CODES, AND REGULATIONS (LVVWD PLATE NO. 11).
5. INSTALL SLEEVING BASED ON THE SIZING GUIDE BELOW:

PIPE SIZE	REQUIRED SLEEVING
2 1/2" TO 3" PVC	1 - 6" SCH 40 PVC SLEEVE
1 1/4" TO 2" PVC	1 - 4" SCH 40 PVC SLEEVE
3/4" TO 1" PVC	1 - 2" SCH 40 PVC SLEEVE
WIRE QUANTITY	**REQUIRED SLEEVING**
1 - 25 CONTROL WIRES	1 - 2" SCH 40 PVC SLEEVE
26 - 50 CONTROL WIRES	2 - 2" SCH 40 PVC SLEEVE

6. CONTRACTOR TO PROVIDE ALL NECESSARY SLEEVING UNDER ROADS, CONCRETE SLABS, ETC.
7. VALVE BOXES TO BE PERMANENTLY BRANDED WITH CONTROLLER LETTER & STATION (EXAMPLES: STATION = A3, QUICK COUPLER = QC) LETTER AND STATION IDENTIFICATION SHALL BE 2 INCH HIGH MIN. VALVE BOXES TO HAVE LOCKING CAPABILITY. VALVE BOXES TO BE LOCATED IN PLANTING BEDS ONLY.
8. CONTRACTOR IS RESPONSIBLE TO VERIFY UTILITY LOCATION, OBTAIN, COORDINATE AND PAY FOR ANY PERMITS AND ALL INSPECTIONS AS REQUIRED.
9. CONTRACTOR RESPONSIBLE FOR POWER CONNECTION, PHONE LINE AND ACTIVATION OF IRRIGATION CONTROLLER(S) PRIOR TO SUBSTANTIAL COMPLETION.
10. CONTRACTOR TO PROVIDE POSITIVE DRAINAGE AWAY FROM ALL STRUCTURES, WALLS, AND ON ALL SIDEWALKS ACCORDING TO ALL CODES, REGULATIONS, AND REQUIREMENTS.
11. IF PIPING CROSSES PORTIONS OF ROADWAY NOT BEING IMPACTED BY CONSTRUCTION CONTRACTOR IS TO SAW CUT AND PATCH ASPHALT WHERE NECESSARY IN ORDER TO INSTALL PIPE AS SHOWN ON PLANS.
12. ALL WIRE SHALL BE SPLICED IN VALVE BOXES OR PULL BOXES ONLY.
13. VALVE BOXES SHALL BE CONCRETE WITH STEEL LID.
14. CONTRACTOR TO LOCATE AND INSTALL ONE ET GAUGE WITH STAINLESS STEEL HOUSING NEXT TO EACH IRRIGATION CONTROLLER AS SHOWN ON PLANS. CONTRACTOR TO MAKE FINAL CONNECTIONS TO CONTROLLER AS REQUIRED.
15. PRESSURE REDUCING VALVES ARE REQUIRED TO BE INSTALLED WHEN THE STATIC WATER PRESSURE IS IN EXCESS OF 80 PSI
16. RPPA'S IN MEDIAN REQUIRE BOLLARDS PER UDACS PLATES 4.8 AND 15. SEE LVVWD NORES FOR RPPA'S ON SHEET LN-1.

IRRIGATION EQUIPMENT LEGEND

SYMBOL	DESCRIPTION	MANUFACTURER	MODEL	SIZE
PC	POINT OF CONNECTION	SEE CIVIL DRAWINGS		-----
B	BACKFLOW PREVENTER	FEBCO	825 YA	1"
WM	WATER METER	SEE CIVIL DRAWINGS		SEE CIVIL PLANS FOR SIZES AND LOCATION
EXWM	EXISTING WATER METER			CONFIRM LOCATION AND SIZE
F	REMOTE CONTROL VALVE W/AYE FILTER & BALL VALVE	RAINBIRD AGRICULTURE PRODUCTS	PEB 4E-1-B-200	SIZE AS PER PLAN 1"
	PRESSURE REDUCING VALVE	SENNINGER	PMR-MF	1.5"
BV	BRONZE GATE VALVE	NIBCO	T-113	SIZE AS PER LINE
A B C D	IRRIGATION CONTROLLER	RAINBIRD	TBOS6CMUS	6 STATIONS
E F G H I J K L M N P Q R S	CONTROLLERS WILL NOT BE ON SITE, SHOWN FOR SEQUENCING ON PLANS.			
▪▪▪▪▪▪	PVC MAINLINE	2" & LARGER	CLASS 315	2"- SIZED FOR POTENTIAL EXPANSION
———	PVC LATERAL LINE	----	SCHEDULE 40	1.5"
NOT SHOWN	PVC FLEXIBLE TUBING SEE DETAIL 'L' ON L3.01	SALCO	PVC AR-050	1/2" I.D.
NOT SHOWN	EMITTER	BOWSMITH	SL220	SEE EMITTER SCHEDULE
▬▬	SLEEVE UNDER PAVED AREAS	-----	SCHEDULE 40	SEE NOTE #5

ID / SIZE — IRRIGATION CONTROLLER
GPM — FLOW IN GPM
TYPE — PLANT MATERIAL
VALVE SIZE

EMITTER SCHEDULE

PLANT SIZE	G.P.H.	QTY.	EMITTER	MANUFACTURER
36" BOX	16	8	SL220	BOWSMITH
24" BOX	16	8	SL220	BOWSMITH

RECORD DRAWINGS
DATE: 09/12/12

These record drawings have been reviewed based upon information furnished by others. While this information is believed to be reliable, JW Zunino Landscape Architecture cannot assure their accuracy of these record drawings or any errors or omissions that may have been incorporated as a result. Those relying on these record drawings are advised to obtain independent verification of their accuracy before applying it for any purpose

0 40' 80' 120'
SCALE: 1" = 40'-0"

NORTH

AVOID HITTING OVERHEAD UTILITY LINES. IT'S COSTLY. Call before you OVERHEAD 1-702-402-2929 CLARK COUNTY, NV SAFETY SERVICES DEPARTMENT

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call before you Dig. 811 UNDERGROUND SERVICE ALERT (USA)

REV. NO.	DATE	DESCRIPTION	APPROVED
4	7/18/11	RESPONSE TO AGENCY COMMENTS	WTS
2	3/11/11	ADDITIONAL SHEET ADDED	WTS

XREF :
FILE :

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
LANDSCAPE IRRIGATION PLAN

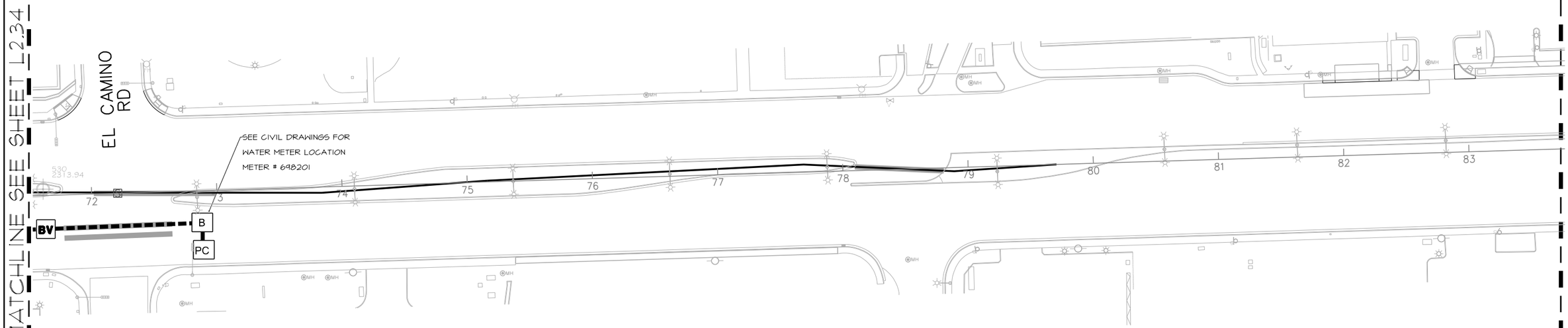
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: SEC
DESIGNED BY: SEC CHECKED BY: WTS
APPROVED BY WTS

LAS VEGAS NV
3191 SUNRISE BLVD | LAS VEGAS, NV 89146
P 702.733.2220 | F 702.733.1010
CARLSBAD CA
2246 FARADAY AVE. | CARLSBAD, CA 92008
JW ZUNINO LANDSCAPE ARCHITECTURE

SCALE
HORIZ : 1"=40'-0"
VERT : NA
FIELD BOOK :
NONE

SHEET No.
L2.34
Sheet 249L of 592



IRRIGATION NOTES

1. THE CONTRACTOR SHALL VERIFY THE STATIC PRESSURE AT THE POINT OF CONNECTION AND MAKE FINAL CONNECTIONS ALLOWING FOR ANY POSSIBLE DEVIATIONS FROM LOCATION SHOWN ON PLANS DUE TO SITE CONDITIONS. ANY DEVIATIONS FROM THE DESIGN SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE.
2. THE IRRIGATION PLAN IS DRAWN FOR GRAPHIC CLARITY, WHERE PIPING AND VALVES ARE SHOWN IN CONCRETE AREAS, THE INTENT IS FOR THE PIPING AND VALVES TO BE PLACED IN THE ADJACENT PLANTING AREAS, EXCEPT WHERE SLEEVES ARE REQUIRED. PLACE ALL VALVE BOXES IN SHRUB BEDS.
3. SEE CIVIL DRAWINGS FOR LOCATION OF POINT OF CONNECTION, METER SIZE, ETC.
4. BACKFLOW PREVENTER(S) TO BE IN COMPLIANCE WITH THE LAS VEGAS VALLEY WATER DISTRICT STANDARDS, CODES, AND REGULATIONS (LVVWD PLATE NO. 11).
5. INSTALL SLEEVING BASED ON THE SIZING GUIDE BELOW:

PIPE SIZE	REQUIRED SLEEVING
2 1/2" TO 3" PVC	1 - 6" SCH 40 PVC SLEEVE
1 1/4" TO 2" PVC	1 - 4" SCH 40 PVC SLEEVE
3/4" TO 1" PVC	1 - 2" SCH 40 PVC SLEEVE
WIRE QUANTITY	**REQUIRED SLEEVING**
1 - 25 CONTROL WIRES	1 - 2" SCH 40 PVC SLEEVE
26 - 50 CONTROL WIRES	2 - 2" SCH 40 PVC SLEEVE

6. CONTRACTOR TO PROVIDE ALL NECESSARY SLEEVING UNDER ROADS, CONCRETE SLABS, ETC.
7. VALVE BOXES TO BE PERMANENTLY BRANDED WITH CONTROLLER LETTER & STATION (EXAMPLES: STATION = A3, QUICK COUPLER = GC) LETTER AND STATION IDENTIFICATION SHALL BE 2 INCH HIGH MIN. VALVE BOXES TO HAVE LOCKING CAPABILITY. VALVE BOXES TO BE LOCATED IN PLANTING BEDS ONLY.
8. CONTRACTOR IS RESPONSIBLE TO VERIFY UTILITY LOCATION, OBTAIN, COORDINATE AND PAY FOR ANY PERMITS AND ALL INSPECTIONS AS REQUIRED.
9. CONTRACTOR RESPONSIBLE FOR POWER CONNECTION, PHONE LINE AND ACTIVATION OF IRRIGATION CONTROLLER(S) PRIOR TO SUBSTANTIAL COMPLETION.
10. CONTRACTOR TO PROVIDE POSITIVE DRAINAGE AWAY FROM ALL STRUCTURES, WALLS, AND ON ALL SIDEWALKS ACCORDING TO ALL CODES, REGULATIONS, AND REQUIREMENTS.
11. IF PIPING CROSSES PORTIONS OF ROADWAY NOT BEING IMPACTED BY CONSTRUCTION CONTRACTOR IS TO SAW CUT AND PATCH ASPHALT WHERE NECESSARY IN ORDER TO INSTALL PIPE AS SHOWN ON PLANS.
12. ALL WIRE SHALL BE SPLICED IN VALVE BOXES OR PULL BOXES ONLY.
13. VALVE BOXES SHALL BE CONCRETE WITH STEEL LID.
14. CONTRACTOR TO LOCATE AND INSTALL ONE ET GAUGE WITH STAINLESS STEEL HOUSING NEXT TO EACH IRRIGATION CONTROLLER AS SHOWN ON PLANS. CONTRACTOR TO MAKE FINAL CONNECTIONS TO CONTROLLER AS REQUIRED.
15. PRESSURE REDUCING VALVES ARE REQUIRED TO BE INSTALLED WHEN THE STATIC WATER PRESSURE IS IN EXCESS OF 80 PSI
16. RPPA'S IN MEDIAN REQUIRE BOLLARDS PER UDACS PLATES 4.8 AND 15. SEE LVVWD NORES FOR RPPA'S ON SHEET LN-1.

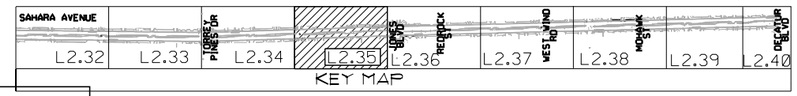
IRRIGATION EQUIPMENT LEGEND

SYMBOL	DESCRIPTION	MANUFACTURER	MODEL	SIZE
PC	POINT OF CONNECTION	SEE CIVIL DRAWINGS		-----
B	BACKFLOW PREVENTER	FEBCO	825 YA	1"
WM	WATER METER	SEE CIVIL DRAWINGS		SEE CIVIL PLANS FOR SIZES AND LOCATION
EXWM	EXISTING WATER METER			CONFIRM LOCATION AND SIZE
F	REMOTE CONTROL VALVE W/WYE FILTER & BALL VALVE	RAINBIRD AGRICULTURE PRODUCTS	PEB 4E-1-B-200	SIZE AS PER PLAN 1"
	PRESSURE REDUCING VALVE	SENNINGER	PMR-MF	1.5"
BV	BRONZE GATE VALVE	NIBCO	T-113	SIZE AS PER LINE
A B C D	IRRIGATION CONTROLLER	RAINBIRD	TBOS6CMUS	6 STATIONS
E F G H I J K L M N P Q R S	CONTROLLERS WILL NOT BE ON SITE, SHOWN FOR SEQUENCING ON PLANS.			
▪▪▪▪▪▪	PVC MAINLINE	2" & LARGER	CLASS 315	2"- SIZED FOR POTENTIAL EXPANSION
———	PVC LATERAL LINE	----	SCHEDULE 40	1.5"
NOT SHOWN	PVC FLEXIBLE TUBING SEE DETAIL 'L' ON L3.01	SALCO	PVC AR-050	1/2" I.D.
NOT SHOWN	EMITTER	BOWSMITH	SL220	SEE EMITTER SCHEDULE
▬▬▬	SLEEVE UNDER PAVED AREAS	-----	SCHEDULE 40	SEE NOTE #5

ID / SIZE — GPM — FLOW IN GPM / TYPE — PLANT MATERIAL — IRRIGATION CONTROLLER VALVE SIZE

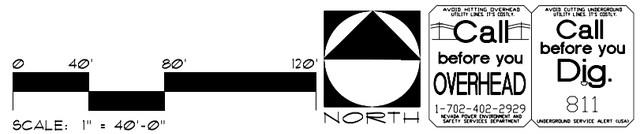
EMITTER SCHEDULE

PLANT SIZE	G.P.H.	QTY.	EMITTER	MANUFACTURER
36" BOX	16	8	SL220	BOWSMITH
24" BOX	16	8	SL220	BOWSMITH



RECORD DRAWINGS
DATE: 09/12/12

These record drawings have been reviewed based upon information furnished by others. While this information is believed to be reliable, JW Zunino Landscape Architecture cannot assure their accuracy of these record drawings or any errors or omissions that may have been incorporated as a result. Those relying on these record drawings are advised to obtain independent verification of their accuracy before applying it for any purpose



REV. NO.	DATE	DESCRIPTION	APPROVED
3	7/18/11	RESPONSE TO AGENCY COMMENTS	WTS
2	3/11/11	ADDITIONAL SHEET ADDED	WTS

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
LANDSCAPE IRRIGATION PLAN

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: SEC
DESIGNED BY: SEC CHECKED BY: WTS
APPROVED BY WTS

J W ZUNINO LANDSCAPE ARCHITECTURE
LAS VEGAS NV 3191 SUCCESS BLVD | LAS VEGAS, NV 89146 P 702.253.2200 | F 702.253.1010
CARLSBAD CA 2246 FARADAY AVE. | CARLSBAD, CA 92008

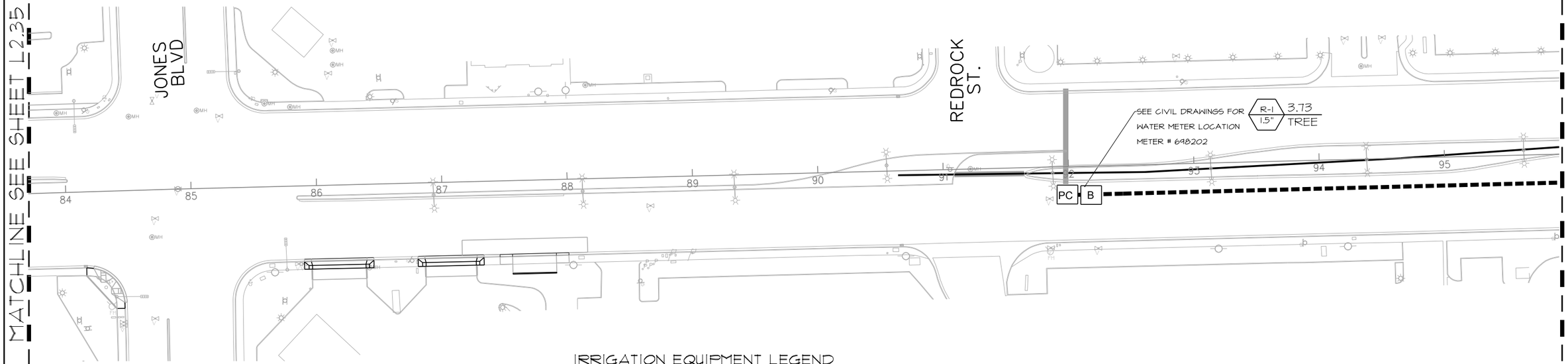
SCALE
HORIZ: 1"=40'-0"
VERT: NA
FIELD BOOK: NONE

SHEET No. L2.35
Sheet 249M of 592

AS-BUILT - 05.31.2012

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

XREF :
FILE :



IRRIGATION NOTES

1. THE CONTRACTOR SHALL VERIFY THE STATIC PRESSURE AT THE POINT OF CONNECTION AND MAKE FINAL CONNECTIONS ALLOWING FOR ANY POSSIBLE DEVIATIONS FROM LOCATION SHOWN ON PLANS DUE TO SITE CONDITIONS. ANY DEVIATIONS FROM THE DESIGN SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE.
2. THE IRRIGATION PLAN IS DRAWN FOR GRAPHIC CLARITY, WHERE PIPING AND VALVES ARE SHOWN IN CONCRETE AREAS, THE INTENT IS FOR THE PIPING AND VALVES TO BE PLACED IN THE ADJACENT PLANTING AREAS, EXCEPT WHERE SLEEVES ARE REQUIRED. PLACE ALL VALVE BOXES IN SHRUB BEDS.
3. SEE CIVIL DRAWINGS FOR LOCATION OF POINT OF CONNECTION, METER SIZE, ETC.
4. BACKFLOW PREVENTER(S) TO BE IN COMPLIANCE WITH THE LAS VEGAS VALLEY WATER DISTRICT STANDARDS, CODES, AND REGULATIONS (LVVWD PLATE NO. 11).
5. INSTALL SLEEVING BASED ON THE SIZING GUIDE BELOW:

PIPE SIZE	REQUIRED SLEEVING
2 1/2" TO 3" PVC	1 - 6" SCH 40 PVC SLEEVE
1 1/4" TO 2" PVC	1 - 4" SCH 40 PVC SLEEVE
3/4" TO 1" PVC	1 - 2" SCH 40 PVC SLEEVE
WIRE QUANTITY	**REQUIRED SLEEVING**
1 - 25 CONTROL WIRES	1 - 2" SCH 40 PVC SLEEVE
26 - 50 CONTROL WIRES	2 - 2" SCH 40 PVC SLEEVE

6. CONTRACTOR TO PROVIDE ALL NECESSARY SLEEVING UNDER ROADS, CONCRETE SLABS, ETC.
7. VALVE BOXES TO BE PERMANENTLY BRANDED WITH CONTROLLER LETTER & STATION (EXAMPLES: STATION = A3, QUICK COUPLER = GC) LETTER AND STATION IDENTIFICATION SHALL BE 2 INCH HIGH MIN. VALVE BOXES TO HAVE LOCKING CAPABILITY. VALVE BOXES TO BE LOCATED IN PLANTING BEDS ONLY.
8. CONTRACTOR IS RESPONSIBLE TO VERIFY UTILITY LOCATION, OBTAIN, COORDINATE AND PAY FOR ANY PERMITS AND ALL INSPECTIONS AS REQUIRED.
9. CONTRACTOR RESPONSIBLE FOR POWER CONNECTION, PHONE LINE AND ACTIVATION OF IRRIGATION CONTROLLER(S) PRIOR TO SUBSTANTIAL COMPLETION.
10. CONTRACTOR TO PROVIDE POSITIVE DRAINAGE AWAY FROM ALL STRUCTURES, WALLS, AND ON ALL SIDEWALKS ACCORDING TO ALL CODES, REGULATIONS, AND REQUIREMENTS.
11. IF PIPING CROSSES PORTIONS OF ROADWAY NOT BEING IMPACTED BY CONSTRUCTION CONTRACTOR IS TO SAW CUT AND PATCH ASPHALT WHERE NECESSARY IN ORDER TO INSTALL PIPE AS SHOWN ON PLANS.
12. ALL WIRE SHALL BE SPLICED IN VALVE BOXES OR PULL BOXES ONLY.
13. VALVE BOXES SHALL BE CONCRETE WITH STEEL LID.
14. CONTRACTOR TO LOCATE AND INSTALL ONE ET GAUGE WITH STAINLESS STEEL HOUSING NEXT TO EACH IRRIGATION CONTROLLER AS SHOWN ON PLANS. CONTRACTOR TO MAKE FINAL CONNECTIONS TO CONTROLLER AS REQUIRED.
15. PRESSURE REDUCING VALVES ARE REQUIRED TO BE INSTALLED WHEN THE STATIC WATER PRESSURE IS IN EXCESS OF 80 PSI
16. RPPA'S IN MEDIAN REQUIRE BOLLARDS PER UDACS PLATES 4.8 AND 75. SEE LVVWD NORES FOR RPPA'S ON SHEET LN-1.

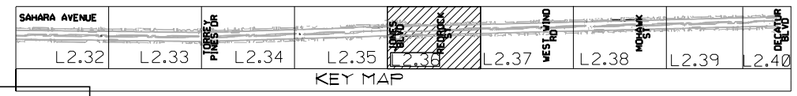
IRRIGATION EQUIPMENT LEGEND

SYMBOL	DESCRIPTION	MANUFACTURER	MODEL	SIZE
PC	POINT OF CONNECTION	SEE CIVIL DRAWINGS		-----
B	BACKFLOW PREVENTER	FEBCO	825 YA	1"
WM	WATER METER	SEE CIVIL DRAWINGS		SEE CIVIL PLANS FOR SIZES AND LOCATION
EXWM	EXISTING WATER METER			CONFIRM LOCATION AND SIZE
F	REMOTE CONTROL VALVE W/WYE FILTER & BALL VALVE	RAINBIRD AGRICULTURE PRODUCTS	PEB 4E-1-B-200	SIZE AS PER PLAN 1"
	PRESSURE REDUCING VALVE	SENNINGER	PMR-MF	1.5"
BV	BRONZE GATE VALVE	NIBCO	T-113	SIZE AS PER LINE
A B C D	IRRIGATION CONTROLLER	RAINBIRD	TBOS6CMUS	6 STATIONS
E F G H I J K L M N P Q R S	CONTROLLERS WILL NOT BE ON SITE, SHOWN FOR SEQUENCING ON PLANS.			
▪▪▪▪▪▪	PVC MAINLINE	2" & LARGER	CLASS 315	2"- SIZED FOR POTENTIAL EXPANSION
———	PVC LATERAL LINE	----	SCHEDULE 40	1.5"
NOT SHOWN	PVC FLEXIBLE TUBING SEE DETAIL 'L' ON L3.01	SALCO	PVC AR-050	1/2" I.D.
NOT SHOWN	EMITTER	BOWSMITH	SL220	SEE EMITTER SCHEDULE
▬▬	SLEEVE UNDER PAVED AREAS	-----	SCHEDULE 40	SEE NOTE #5

ID — IRRIGATION CONTROLLER
SIZE / GPM — FLOW IN GPM
TYPE — PLANT MATERIAL
VALVE SIZE

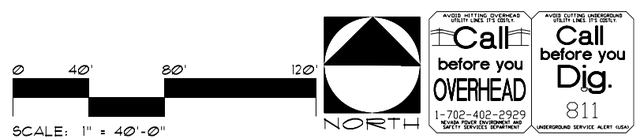
EMITTER SCHEDULE

PLANT SIZE	G.P.H.	QTY.	EMITTER	MANUFACTURER
36" BOX	16	8	SL220	BOWSMITH
24" BOX	16	8	SL220	BOWSMITH



RECORD DRAWINGS
DATE: 09/12/12

These record drawings have been reviewed based upon information furnished by others. While this information is believed to be reliable, JW Zunino Landscape Architecture cannot assure their accuracy of these record drawings or any errors or omissions that may have been incorporated as a result. Those relying on these record drawings are advised to obtain independent verification of their accuracy before applying it for any purpose



AS-BUILT - 05.31.2012

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

REV. NO.	DATE	DESCRIPTION	APPROVED

XREF :
FILE :

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
LANDSCAPE IRRIGATION PLAN

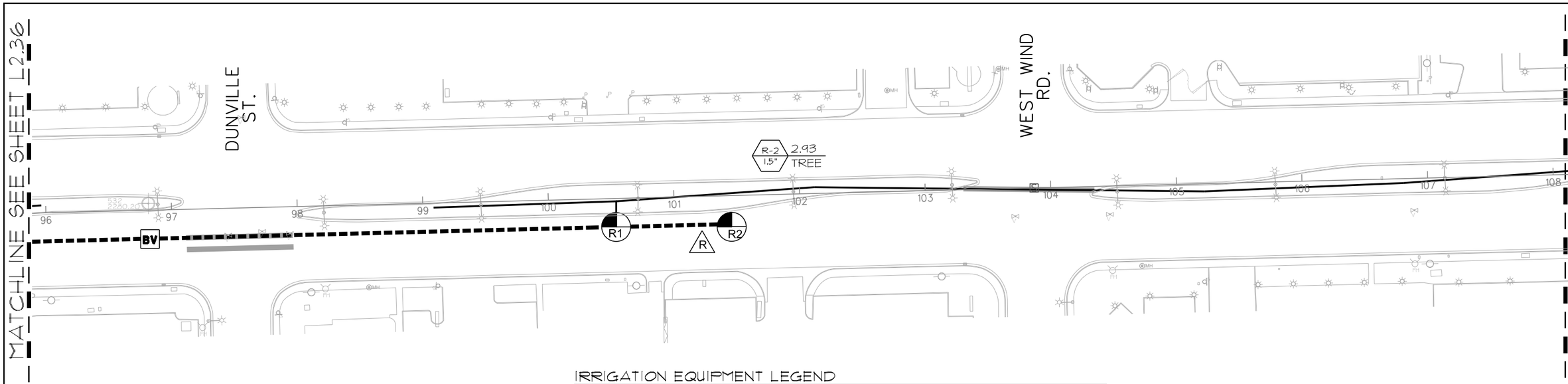
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: SEC
DESIGNED BY: SEC CHECKED BY: WTS
APPROVED BY WTS

J W ZUNINO LANDSCAPE ARCHITECTURE
LAS VEGAS NV 3191 SUMMERLIN BLVD. | LAS VEGAS, NV 89146 P 702.753.3200 | F 702.293.1010
CARLSBAD CA 2248 FARADAY AVE. | CARLSBAD, CA 92008

SCALE
HORIZ : 1"=40'-0"
VERT : NA
FIELD BOOK :
NONE

SHEET No.
L2.36
Sheet 249N of 592



IRRIGATION NOTES

1. THE CONTRACTOR SHALL VERIFY THE STATIC PRESSURE AT THE POINT OF CONNECTION AND MAKE FINAL CONNECTIONS ALLOWING FOR ANY POSSIBLE DEVIATIONS FROM LOCATION SHOWN ON PLANS DUE TO SITE CONDITIONS. ANY DEVIATIONS FROM THE DESIGN SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE.
2. THE IRRIGATION PLAN IS DRAWN FOR GRAPHIC CLARITY, WHERE PIPING AND VALVES ARE SHOWN IN CONCRETE AREAS, THE INTENT IS FOR THE PIPING AND VALVES TO BE PLACED IN THE ADJACENT PLANTING AREAS, EXCEPT WHERE SLEEVES ARE REQUIRED. PLACE ALL VALVE BOXES IN SHRUB BEDS.
3. SEE CIVIL DRAWINGS FOR LOCATION OF POINT OF CONNECTION, METER SIZE, ETC.
4. BACKFLOW PREVENTER(S) TO BE IN COMPLIANCE WITH THE LAS VEGAS VALLEY WATER DISTRICT STANDARDS, CODES, AND REGULATIONS (LVVWD PLATE NO. 11).
5. INSTALL SLEEVING BASED ON THE SIZING GUIDE BELOW:

PIPE SIZE	REQUIRED SLEEVING
2 1/2" TO 3" PVC	1 - 6" SCH 40 PVC SLEEVE
1 1/4" TO 2" PVC	1 - 4" SCH 40 PVC SLEEVE
3/4" TO 1" PVC	1 - 2" SCH 40 PVC SLEEVE
WIRE QUANTITY	**REQUIRED SLEEVING**
1 - 25 CONTROL WIRES	1 - 2" SCH 40 PVC SLEEVE
26 - 50 CONTROL WIRES	2 - 2" SCH 40 PVC SLEEVE

6. CONTRACTOR TO PROVIDE ALL NECESSARY SLEEVING UNDER ROADS, CONCRETE SLABS, ETC.
7. VALVE BOXES TO BE PERMANENTLY BRANDED WITH CONTROLLER LETTER & STATION (EXAMPLES: STATION = A3, QUICK COUPLER = QC) LETTER AND STATION IDENTIFICATION SHALL BE 2 INCH HIGH MIN. VALVE BOXES TO HAVE LOCKING CAPABILITY. VALVE BOXES TO BE LOCATED IN PLANTING BEDS ONLY.
8. CONTRACTOR IS RESPONSIBLE TO VERIFY UTILITY LOCATION, OBTAIN, COORDINATE AND PAY FOR ANY PERMITS AND ALL INSPECTIONS AS REQUIRED.
9. CONTRACTOR RESPONSIBLE FOR POWER CONNECTION, PHONE LINE AND ACTIVATION OF IRRIGATION CONTROLLER(S) PRIOR TO SUBSTANTIAL COMPLETION.
10. CONTRACTOR TO PROVIDE POSITIVE DRAINAGE AWAY FROM ALL STRUCTURES, WALLS, AND ON ALL SIDEWALKS ACCORDING TO ALL CODES, REGULATIONS, AND REQUIREMENTS.
11. IF PIPING CROSSES PORTIONS OF ROADWAY NOT BEING IMPACTED BY CONSTRUCTION CONTRACTOR IS TO SAW CUT AND PATCH ASPHALT WHERE NECESSARY IN ORDER TO INSTALL PIPE AS SHOWN ON PLANS.
12. ALL WIRE SHALL BE SPLICED IN VALVE BOXES OR PULL BOXES ONLY.
13. VALVE BOXES SHALL BE CONCRETE WITH STEEL LID.
14. CONTRACTOR TO LOCATE AND INSTALL ONE ET GAUGE WITH STAINLESS STEEL HOUSING NEXT TO EACH IRRIGATION CONTROLLER AS SHOWN ON PLANS. CONTRACTOR TO MAKE FINAL CONNECTIONS TO CONTROLLER AS REQUIRED.
15. PRESSURE REDUCING VALVES ARE REQUIRED TO BE INSTALLED WHEN THE STATIC WATER PRESSURE IS IN EXCESS OF 80 PSI
16. RPPA'S IN MEDIAN REQUIRE BOLLARDS PER UDACS PLATES 4.8 AND 7.5. SEE LVVWD NORES FOR RPPA'S ON SHEET LN-1.

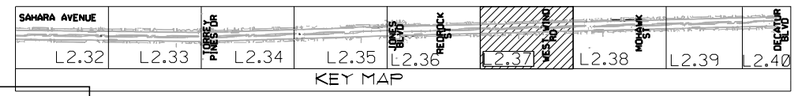
IRRIGATION EQUIPMENT LEGEND

SYMBOL	DESCRIPTION	MANUFACTURER	MODEL	SIZE
PC	POINT OF CONNECTION	SEE CIVIL DRAWINGS		-----
B	BACKFLOW PREVENTER	FEBCO	825 YA	1"
WM	WATER METER	SEE CIVIL DRAWINGS		SEE CIVIL PLANS FOR SIZES AND LOCATION
EXWM	EXISTING WATER METER			CONFIRM LOCATION AND SIZE
	REMOTE CONTROL VALVE W/HYE FILTER & BALL VALVE	RAINBIRD AGRICULTURE PRODUCTS	PEB 4E-1-B-200	SIZE AS PER PLAN 1"
	PRESSURE REDUCING VALVE	SENNINGER	PMR-MF	1.5"
BV	BRONZE GATE VALVE	NIBCO	T-113	SIZE AS PER LINE
A B C D	IRRIGATION CONTROLLER	RAINBIRD	TBOS6CMUS	6 STATIONS
E F G H I J K L M N P Q R S	CONTROLLERS WILL NOT BE ON SITE, SHOWN FOR SEQUENCING ON PLANS.			
▪▪▪▪▪▪	PVC MAINLINE	2" & LARGER	CLASS 315	2"- SIZED FOR POTENTIAL EXPANSION
———	PVC LATERAL LINE	----	SCHEDULE 40	1.5"
NOT SHOWN	PVC FLEXIBLE TUBING SEE DETAIL 'L' ON L3.01	SALCO	PVC AR-050	1/2" I.D.
NOT SHOWN	EMITTER	BOWSMITH	SL220	SEE EMITTER SCHEDULE
▬▬▬	SLEEVE UNDER PAVED AREAS	-----	SCHEDULE 40	SEE NOTE #5

ID / SIZE — IRRIGATION CONTROLLER
GPM — FLOW IN GPM
TYPE — PLANT MATERIAL
VALVE SIZE

EMITTER SCHEDULE

PLANT SIZE	G.P.H.	QTY.	EMITTER	MANUFACTURER
36" BOX	16	8	SL220	BOWSMITH
24" BOX	16	8	SL220	BOWSMITH



RECORD DRAWINGS
DATE: 09/12/12

These record drawings have been reviewed based upon information furnished by others. While this information is believed to be reliable, JW Zunino Landscape Architecture cannot assure their accuracy of these record drawings or any errors or omissions that may have been incorporated as a result. Those relying on these record drawings are advised to obtain independent verification of their accuracy before applying it for any purpose

0 40' 80' 120'
SCALE: 1" = 40'-0"

NORTH

AVOID HITTING OVERHEAD UTILITY LINES IT'S COSTLY
Call before you OVERHEAD
1-702-402-2929
CLARK COUNTY DEPT. OF AVIATION SAFETY SERVICES DEPARTMENT

AVOID CUTTING UNDERGROUND UTILITY LINES IT'S COSTLY
Call before you Dig.
811
UNDERGROUND SERVICE ALERT (USA)

REV. NO.	DATE	DESCRIPTION	APPROVED

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
LANDSCAPE IRRIGATION PLAN

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: SEC
DESIGNED BY: SEC CHECKED BY: WTS
APPROVED BY WTS

J W ZUNINO LANDSCAPE ARCHITECTURE
LAS VEGAS NV 3191 SUMMIT BLVD | LAS VEGAS, NV 89146 P 702.795.2000 | F 702.795.1010
CARLSBAD CA 2240 FARADAY AVE. | CARLSBAD, CA 92008

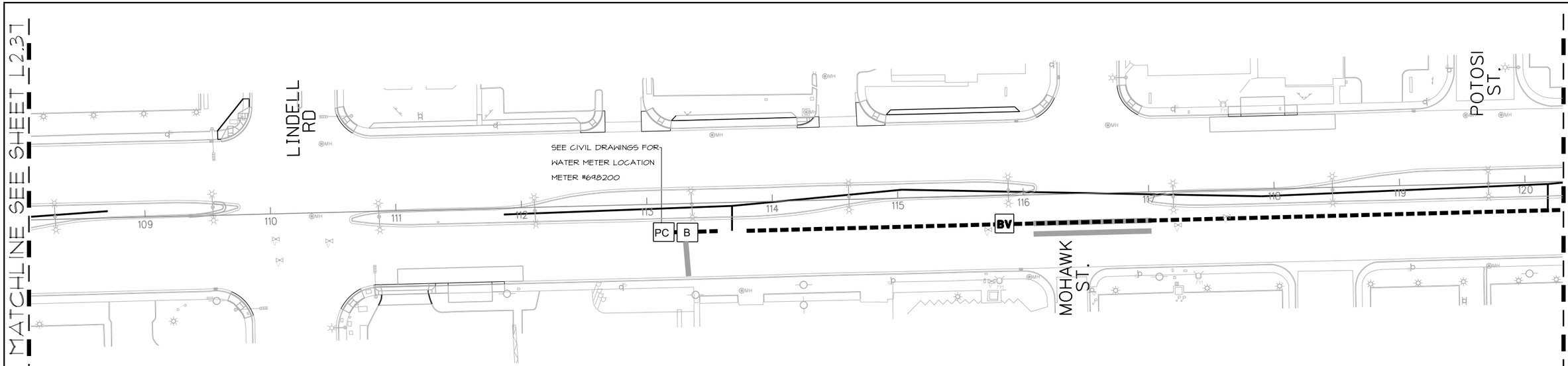
SCALE
HORIZ: 1"=40'-0"
VERT: NA
FIELD BOOK: NONE

SHEET No. L2.37
Sheet 2490 of 592

XREF :
FILE :

AS-BUILT - 05.31.2012

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT



IRRIGATION NOTES

1. THE CONTRACTOR SHALL VERIFY THE STATIC PRESSURE AT THE POINT OF CONNECTION AND MAKE FINAL CONNECTIONS ALLOWING FOR ANY POSSIBLE DEVIATIONS FROM LOCATION SHOWN ON PLANS DUE TO SITE CONDITIONS. ANY DEVIATIONS FROM THE DESIGN SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE.
2. THE IRRIGATION PLAN IS DRAWN FOR GRAPHIC CLARITY, WHERE PIPING AND VALVES ARE SHOWN IN CONCRETE AREAS, THE INTENT IS FOR THE PIPING AND VALVES TO BE PLACED IN THE ADJACENT PLANTING AREAS, EXCEPT WHERE SLEEVES ARE REQUIRED. PLACE ALL VALVE BOXES IN SHRUB BEDS.
3. SEE CIVIL DRAWINGS FOR LOCATION OF POINT OF CONNECTION, METER SIZE, ETC.
4. BACKFLOW PREVENTER(S) TO BE IN COMPLIANCE WITH THE LAS VEGAS VALLEY WATER DISTRICT STANDARDS, CODES, AND REGULATIONS (LVVWD PLATE NO. 11).
5. INSTALL SLEEVING BASED ON THE SIZING GUIDE BELOW:

PIPE SIZE	REQUIRED SLEEVING
2 1/2" TO 3" PVC	1 - 6" SCH 40 PVC SLEEVE
1 1/4" TO 2" PVC	1 - 4" SCH 40 PVC SLEEVE
3/4" TO 1" PVC	1 - 2" SCH 40 PVC SLEEVE
WIRE QUANTITY	**REQUIRED SLEEVING**
1 - 25 CONTROL WIRES	1 - 2" SCH 40 PVC SLEEVE
26 - 50 CONTROL WIRES	2 - 2" SCH 40 PVC SLEEVE

6. CONTRACTOR TO PROVIDE ALL NECESSARY SLEEVING UNDER ROADS, CONCRETE SLABS, ETC.
7. VALVE BOXES TO BE PERMANENTLY BRANDED WITH CONTROLLER LETTER & STATION (EXAMPLES: STATION = A3, QUICK COUPLER = GC) LETTER AND STATION IDENTIFICATION SHALL BE 2 INCH HIGH MIN. VALVE BOXES TO HAVE LOCKING CAPABILITY. VALVE BOXES TO BE LOCATED IN PLANTING BEDS ONLY.
8. CONTRACTOR IS RESPONSIBLE TO VERIFY UTILITY LOCATION, OBTAIN, COORDINATE AND PAY FOR ANY PERMITS AND ALL INSPECTIONS AS REQUIRED.
9. CONTRACTOR RESPONSIBLE FOR POWER CONNECTION, PHONE LINE AND ACTIVATION OF IRRIGATION CONTROLLER(S) PRIOR TO SUBSTANTIAL COMPLETION.
10. CONTRACTOR TO PROVIDE POSITIVE DRAINAGE AWAY FROM ALL STRUCTURES, WALLS, AND ON ALL SIDEWALKS ACCORDING TO ALL CODES, REGULATIONS, AND REQUIREMENTS.
11. IF PIPING CROSSES PORTIONS OF ROADWAY NOT BEING IMPACTED BY CONSTRUCTION CONTRACTOR IS TO SAW CUT AND PATCH ASPHALT WHERE NECESSARY IN ORDER TO INSTALL PIPE AS SHOWN ON PLANS.
12. ALL WIRE SHALL BE SPLICED IN VALVE BOXES OR PULL BOXES ONLY.
13. VALVE BOXES SHALL BE CONCRETE WITH STEEL LID.
14. CONTRACTOR TO LOCATE AND INSTALL ONE ET GAUGE WITH STAINLESS STEEL HOUSING NEXT TO EACH IRRIGATION CONTROLLER AS SHOWN ON PLANS. CONTRACTOR TO MAKE FINAL CONNECTIONS TO CONTROLLER AS REQUIRED.
15. PRESSURE REDUCING VALVES ARE REQUIRED TO BE INSTALLED WHEN THE STATIC WATER PRESSURE IS IN EXCESS OF 80 PSI
16. RPPA'S IN MEDIAN REQUIRE BOLLARDS PER UDACS PLATES 4.8 AND 15. SEE LVVWD NORES FOR RPPA'S ON SHEET LN-1.

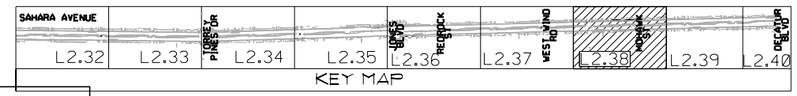
IRRIGATION EQUIPMENT LEGEND

SYMBOL	DESCRIPTION	MANUFACTURER	MODEL	SIZE
PC	POINT OF CONNECTION	SEE CIVIL DRAWINGS		-----
B	BACKFLOW PREVENTER	FEBCO	825 YA	1"
WM	WATER METER	SEE CIVIL DRAWINGS		SEE CIVIL PLANS FOR SIZES AND LOCATION
EXWM	EXISTING WATER METER			CONFIRM LOCATION AND SIZE
F	REMOTE CONTROL VALVE W/AYE FILTER & BALL VALVE	RAINBIRD AGRICULTURE PRODUCTS	PEB 4E-1-B-200	SIZE AS PER PLAN 1"
	PRESSURE REDUCING VALVE	SENNINGER	PMR-MF	1.5"
BV	BRONZE GATE VALVE	NIBCO	T-113	SIZE AS PER LINE
A B C D	IRRIGATION CONTROLLER	RAINBIRD	TBOS6CMUS	6 STATIONS
E F G H I J K L M N P Q R S	CONTROLLERS WILL NOT BE ON SITE, SHOWN FOR SEQUENCING ON PLANS.			
▪▪▪▪▪▪	PVC MAINLINE	2" & LARGER	CLASS 315	2"- SIZED FOR POTENTIAL EXPANSION
———	PVC LATERAL LINE	----	SCHEDULE 40	1.5"
NOT SHOWN	PVC FLEXIBLE TUBING SEE DETAIL 'L' ON L3.01	SALCO	PVC AR-050	1/2" I.D.
NOT SHOWN	EMITTER	BOWSMITH	SL220	SEE EMITTER SCHEDULE
▬▬▬	SLEEVE UNDER PAVED AREAS	-----	SCHEDULE 40	SEE NOTE #5

ID / SIZE — GPM — TYPE
- IRRIGATION CONTROLLER
- FLOW IN GPM
- PLANT MATERIAL
- VALVE SIZE

EMITTER SCHEDULE

PLANT SIZE	G.P.H.	QTY.	EMITTER	MANUFACTURER
36" BOX	16	8	SL220	BOWSMITH
24" BOX	16	8	SL220	BOWSMITH



RECORD DRAWINGS
DATE: 09/12/12

These record drawings have been reviewed based upon information furnished by others. While this information is believed to be reliable, JW Zunino Landscape Architecture cannot assure their accuracy of these record drawings or any errors or omissions that may have been incorporated as a result. Those relying on these record drawings are advised to obtain independent verification of their accuracy before applying it for any purpose

0 40' 80' 120'
SCALE: 1" = 40'-0"

NORTH

AVOID HITTING OVERHEAD UTILITY LINES. IT'S COSTLY. Call before you OVERHEAD 1-702-402-2929 CLARK COUNTY OSHA SAFETY SERVICES DEPARTMENT

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call before you Dig. 811 UNDERGROUND SERVICE ALERT (USA)

AS-BUILT - 05.31.2012

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

REV. NO.	DATE	DESCRIPTION	APPROVED

XREF :
FILE :

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
LANDSCAPE IRRIGATION PLAN

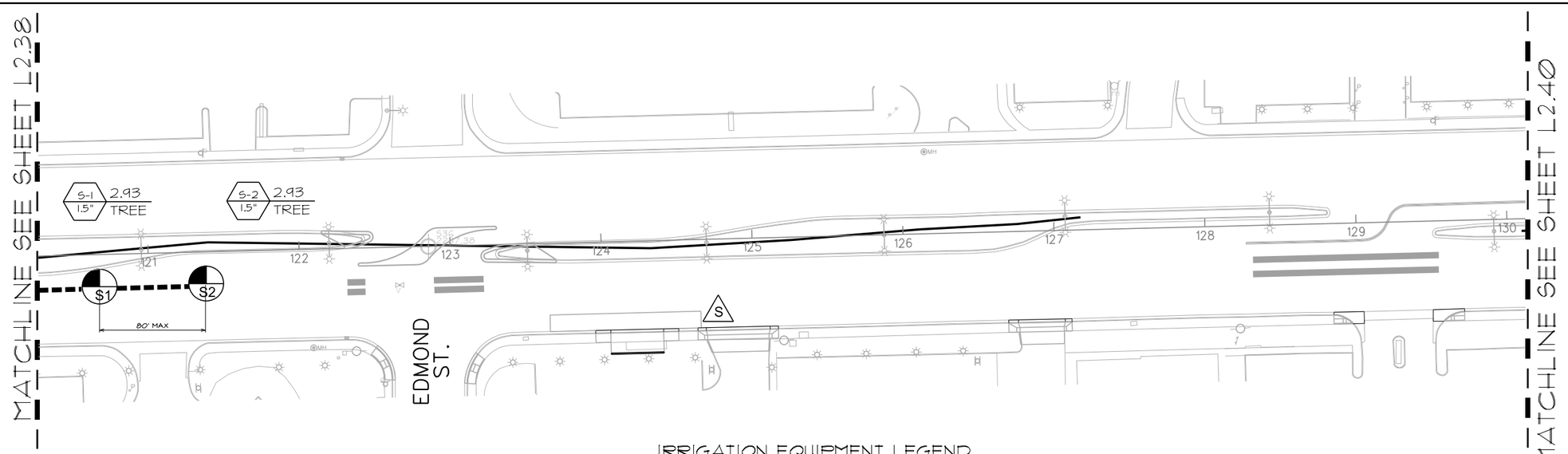
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: SEC
DESIGNED BY: SEC CHECKED BY: WTS
APPROVED BY WTS

J W ZUNINO LANDSCAPE ARCHITECTURE
LAS VEGAS NV 3191 SUCCESS BLVD | LAS VEGAS, NV 89146 P 702.753.2200 | F 702.293.1010
CARLSBAD CA 2246 FARADAY AVE. | CARLSBAD, CA 92008

SCALE
HORIZ : 1"=40'-0"
VERT : NA
FIELD BOOK :
NONE

SHEET No.
L2.38
Sheet 249P of 592



IRRIGATION NOTES

1. THE CONTRACTOR SHALL VERIFY THE STATIC PRESSURE AT THE POINT OF CONNECTION AND MAKE FINAL CONNECTIONS ALLOWING FOR ANY POSSIBLE DEVIATIONS FROM LOCATION SHOWN ON PLANS DUE TO SITE CONDITIONS. ANY DEVIATIONS FROM THE DESIGN SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE.
2. THE IRRIGATION PLAN IS DRAWN FOR GRAPHIC CLARITY, WHERE PIPING AND VALVES ARE SHOWN IN CONCRETE AREAS, THE INTENT IS FOR THE PIPING AND VALVES TO BE PLACED IN THE ADJACENT PLANTING AREAS, EXCEPT WHERE SLEEVES ARE REQUIRED. PLACE ALL VALVE BOXES IN SHRUB BEDS.
3. SEE CIVIL DRAWINGS FOR LOCATION OF POINT OF CONNECTION, METER SIZE, ETC.
4. BACKFLOW PREVENTER(S) TO BE IN COMPLIANCE WITH THE LAS VEGAS VALLEY WATER DISTRICT STANDARDS, CODES, AND REGULATIONS (LVVWD PLATE NO. 11).
5. INSTALL SLEEVING BASED ON THE SIZING GUIDE BELOW:

PIPE SIZE	REQUIRED SLEEVING
2 1/2" TO 3" PVC	1 - 6" SCH 40 PVC SLEEVE
1 1/4" TO 2" PVC	1 - 4" SCH 40 PVC SLEEVE
3/4" TO 1" PVC	1 - 2" SCH 40 PVC SLEEVE
WIRE QUANTITY	**REQUIRED SLEEVING**
1 - 25 CONTROL WIRES	1 - 2" SCH 40 PVC SLEEVE
26 - 50 CONTROL WIRES	2 - 2" SCH 40 PVC SLEEVE

6. CONTRACTOR TO PROVIDE ALL NECESSARY SLEEVING UNDER ROADS, CONCRETE SLABS, ETC.
7. VALVE BOXES TO BE PERMANENTLY BRANDED WITH CONTROLLER LETTER & STATION (EXAMPLES: STATION = A3, QUICK COUPLER = QC) LETTER AND STATION IDENTIFICATION SHALL BE 2 INCH HIGH MIN. VALVE BOXES TO HAVE LOCKING CAPABILITY. VALVE BOXES TO BE LOCATED IN PLANTING BEDS ONLY.
8. CONTRACTOR IS RESPONSIBLE TO VERIFY UTILITY LOCATION, OBTAIN, COORDINATE AND PAY FOR ANY PERMITS AND ALL INSPECTIONS AS REQUIRED.
9. CONTRACTOR RESPONSIBLE FOR POWER CONNECTION, PHONE LINE AND ACTIVATION OF IRRIGATION CONTROLLER(S) PRIOR TO SUBSTANTIAL COMPLETION.
10. CONTRACTOR TO PROVIDE POSITIVE DRAINAGE AWAY FROM ALL STRUCTURES, WALLS, AND ON ALL SIDEWALKS ACCORDING TO ALL CODES, REGULATIONS, AND REQUIREMENTS.
11. IF PIPING CROSSES PORTIONS OF ROADWAY NOT BEING IMPACTED BY CONSTRUCTION CONTRACTOR IS TO SAW CUT AND PATCH ASPHALT WHERE NECESSARY IN ORDER TO INSTALL PIPE AS SHOWN ON PLANS.
12. ALL WIRE SHALL BE SPLICED IN VALVE BOXES OR PULL BOXES ONLY.
13. VALVE BOXES SHALL BE CONCRETE WITH STEEL LID.
14. CONTRACTOR TO LOCATE AND INSTALL ONE ET GAUGE WITH STAINLESS STEEL HOUSING NEXT TO EACH IRRIGATION CONTROLLER AS SHOWN ON PLANS. CONTRACTOR TO MAKE FINAL CONNECTIONS TO CONTROLLER AS REQUIRED.
15. PRESSURE REDUCING VALVES ARE REQUIRED TO BE INSTALLED WHEN THE STATIC WATER PRESSURE IS IN EXCESS OF 80 PSI
16. RPPA'S IN MEDIAN REQUIRE BOLLARDS PER UDACS PLATES 4.8 AND 75. SEE LVVWD NORES FOR RPPA'S ON SHEET LN-1.

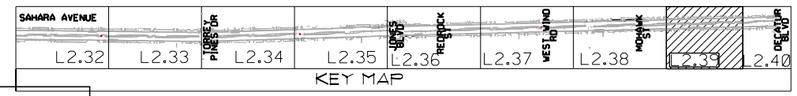
IRRIGATION EQUIPMENT LEGEND

SYMBOL	DESCRIPTION	MANUFACTURER	MODEL	SIZE
PC	POINT OF CONNECTION	SEE CIVIL DRAWINGS		-----
B	BACKFLOW PREVENTER	FEBCO	825 YA	1"
WM	WATER METER	SEE CIVIL DRAWINGS		SEE CIVIL PLANS FOR SIZES AND LOCATION
EXWM	EXISTING WATER METER			CONFIRM LOCATION AND SIZE
F	REMOTE CONTROL VALVE W/HYE FILTER & BALL VALVE	RAINBIRD AGRICULTURE PRODUCTS	PEB 4E-1-B-200	SIZE AS PER PLAN 1"
	PRESSURE REDUCING VALVE	SENNINGER	PMR-MF	1.5"
BV	BRONZE GATE VALVE	NIBCO	T-113	SIZE AS PER LINE
A B C D	IRRIGATION CONTROLLER	RAINBIRD	TBOS6CMUS	6 STATIONS
E F G H I J K L M N P Q R S	CONTROLLERS WILL NOT BE ON SITE, SHOWN FOR SEQUENCING ON PLANS.			
▪▪▪▪▪▪	PVC MAINLINE	2" & LARGER	CLASS 315	2"- SIZED FOR POTENTIAL EXPANSION
———	PVC LATERAL LINE	----	SCHEDULE 40	1.5"
NOT SHOWN	PVC FLEXIBLE TUBING SEE DETAIL 'L' ON L3.01	SALCO	PVC AR-050	1/2" I.D.
NOT SHOWN	EMITTER	BOWSMITH	SL220	SEE EMITTER SCHEDULE
▬▬	SLEEVE UNDER PAVED AREAS	-----	SCHEDULE 40	SEE NOTE #5

ID / SIZE — GPM — TYPE
- IRRIGATION CONTROLLER
- FLOW IN GPM
- PLANT MATERIAL
- VALVE SIZE

EMITTER SCHEDULE

PLANT SIZE	G.P.H.	QTY.	EMITTER	MANUFACTURER
36" BOX	16	8	SL220	BOWSMITH
24" BOX	16	8	SL220	BOWSMITH



RECORD DRAWINGS
DATE: 09/12/12

These record drawings have been reviewed based upon information furnished by others. While this information is believed to be reliable, JW Zunino Landscape Architecture cannot assure their accuracy of these record drawings or any errors or omissions that may have been incorporated as a result. Those relying on these record drawings are advised to obtain independent verification of their accuracy before applying it for any purpose

0 40' 80' 120'
SCALE: 1" = 40'-0"

NORTH

Call before you OVERHEAD 1-702-402-2929 CLARK COUNTY NEVADA OSHA SAFETY SERVICES DEPARTMENT

Call before you Dig. 811 UNDERGROUND SERVICE ALERT (USA)

AS-BUILT - 05.31.2012

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

REV. NO.	DATE	DESCRIPTION	APPROVED

XREF :
FILE :

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
LANDSCAPE IRRIGATION PLAN

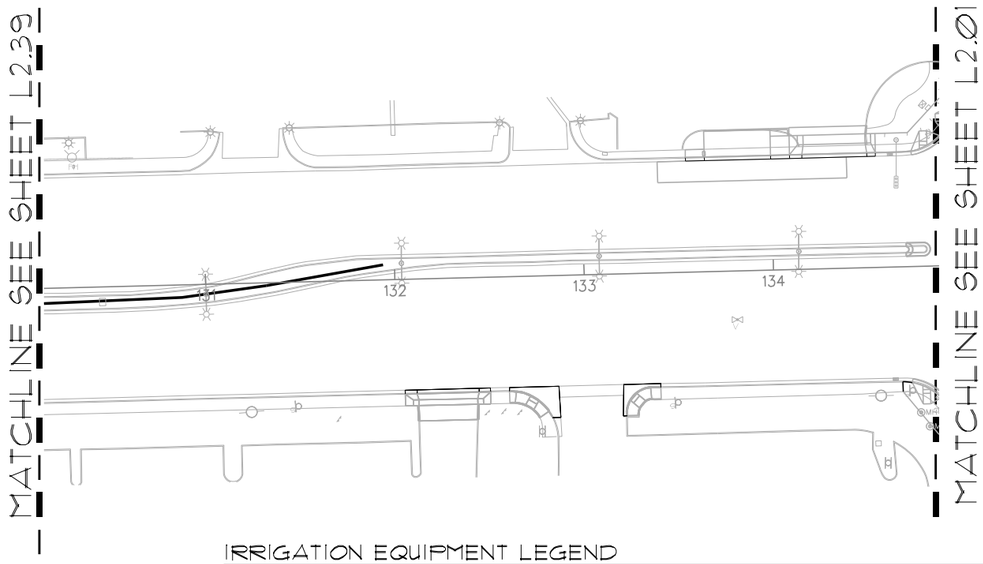
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: SEC
DESIGNED BY: SEC CHECKED BY: WTS
APPROVED BY WTS

J W ZUNINO LANDSCAPE ARCHITECTURE
LAS VEGAS NV 3191 SUCHES BLVD | LAS VEGAS, NV 89146 P 702.753.2200 | F 702.293.1010
CARLSBAD CA 2248 FARADAY AVE. | CARLSBAD, CA 92008

SCALE
HORIZ : 1"=40'-0"
VERT : NA
FIELD BOOK :
NONE

SHEET No.
L2.39
Sheet 249Q of 592



IRRIGATION NOTES

1. THE CONTRACTOR SHALL VERIFY THE STATIC PRESSURE AT THE POINT OF CONNECTION AND MAKE FINAL CONNECTIONS ALLOWING FOR ANY POSSIBLE DEVIATIONS FROM LOCATION SHOWN ON PLANS DUE TO SITE CONDITIONS. ANY DEVIATIONS FROM THE DESIGN SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE.
2. THE IRRIGATION PLAN IS DRAWN FOR GRAPHIC CLARITY, WHERE PIPING AND VALVES ARE SHOWN IN CONCRETE AREAS, THE INTENT IS FOR THE PIPING AND VALVES TO BE PLACED IN THE ADJACENT PLANTING AREAS, EXCEPT WHERE SLEEVES ARE REQUIRED. PLACE ALL VALVE BOXES IN SHRUB BEDS.
3. SEE CIVIL DRAWINGS FOR LOCATION OF POINT OF CONNECTION, METER SIZE, ETC.
4. BACKFLOW PREVENTER(S) TO BE IN COMPLIANCE WITH THE LAS VEGAS VALLEY WATER DISTRICT STANDARDS, CODES, AND REGULATIONS (LVVWD PLATE NO. 11).
5. INSTALL SLEEVING BASED ON THE SIZING GUIDE BELOW:

PIPE SIZE	REQUIRED SLEEVING
2 1/2" TO 3" PVC	1 - 6" SCH 40 PVC SLEEVE
1 1/4" TO 2" PVC	1 - 4" SCH 40 PVC SLEEVE
3/4" TO 1" PVC	1 - 2" SCH 40 PVC SLEEVE
WIRE QUANTITY	**REQUIRED SLEEVING**
1 - 25 CONTROL WIRES	1 - 2" SCH 40 PVC SLEEVE
26 - 50 CONTROL WIRES	2 - 2" SCH 40 PVC SLEEVE

6. CONTRACTOR TO PROVIDE ALL NECESSARY SLEEVING UNDER ROADS, CONCRETE SLABS, ETC.
7. VALVE BOXES TO BE PERMANENTLY BRANDED WITH CONTROLLER LETTER & STATION (EXAMPLES: STATION = A3, QUICK COUPLER = QC) LETTER AND STATION IDENTIFICATION SHALL BE 2 INCH HIGH MIN. VALVE BOXES TO HAVE LOCKING CAPABILITY. VALVE BOXES TO BE LOCATED IN PLANTING BEDS ONLY.
8. CONTRACTOR IS RESPONSIBLE TO VERIFY UTILITY LOCATION, OBTAIN, COORDINATE AND PAY FOR ANY PERMITS AND ALL INSPECTIONS AS REQUIRED.
9. CONTRACTOR RESPONSIBLE FOR POWER CONNECTION, PHONE LINE AND ACTIVATION OF IRRIGATION CONTROLLER(S) PRIOR TO SUBSTANTIAL COMPLETION.
10. CONTRACTOR TO PROVIDE POSITIVE DRAINAGE AWAY FROM ALL STRUCTURES, WALLS, AND ON ALL SIDEWALKS ACCORDING TO ALL CODES, REGULATIONS, AND REQUIREMENTS.
11. IF PIPING CROSSES PORTIONS OF ROADWAY NOT BEING IMPACTED BY CONSTRUCTION CONTRACTOR IS TO SAW CUT AND PATCH ASPHALT WHERE NECESSARY IN ORDER TO INSTALL PIPE AS SHOWN ON PLANS.
12. ALL WIRE SHALL BE SPLICED IN VALVE BOXES OR PULL BOXES ONLY.
13. VALVE BOXES SHALL BE CONCRETE WITH STEEL LID.
14. CONTRACTOR TO LOCATE AND INSTALL ONE ET GAUGE WITH STAINLESS STEEL HOUSING NEXT TO EACH IRRIGATION CONTROLLER AS SHOWN ON PLANS. CONTRACTOR TO MAKE FINAL CONNECTIONS TO CONTROLLER AS REQUIRED.
15. PRESSURE REDUCING VALVES ARE REQUIRED TO BE INSTALLED WHEN THE STATIC WATER PRESSURE IS IN EXCESS OF 80 PSI
16. RPPA'S IN MEDIAN REQUIRE BOLLARDS PER UDACS PLATES 4.8 AND 75. SEE LVVWD NORES FOR RPPA'S ON SHEET LN-1.

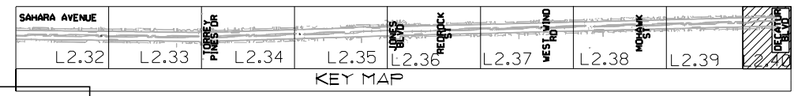
IRRIGATION EQUIPMENT LEGEND

SYMBOL	DESCRIPTION	MANUFACTURER	MODEL	SIZE
PC	POINT OF CONNECTION	SEE CIVIL DRAWINGS		-----
B	BACKFLOW PREVENTER	FEBCO	825 YA	1"
WM	WATER METER	SEE CIVIL DRAWINGS		SEE CIVIL PLANS FOR SIZES AND LOCATION
EXWM	EXISTING WATER METER			CONFIRM LOCATION AND SIZE
F	REMOTE CONTROL VALVE W/AYE FILTER & BALL VALVE	RAINBIRD AGRICULTURE PRODUCTS	PEB 4E-1-B-200	SIZE AS PER PLAN 1"
	PRESSURE REDUCING VALVE	SENNINGER	PMR-MF	1.5"
BV	BRONZE GATE VALVE	NIBCO	T-113	SIZE AS PER LINE
A B C D	IRRIGATION CONTROLLER	RAINBIRD	TBOS6CMUS	6 STATIONS
E F G H I J K L M N P Q R S	CONTROLLERS WILL NOT BE ON SITE, SHOWN FOR SEQUENCING ON PLANS.			
▪▪▪▪▪▪	PVC MAINLINE	2" & LARGER	CLASS 315	2"- SIZED FOR POTENTIAL EXPANSION
———	PVC LATERAL LINE	----	SCHEDULE 40	1.5"
NOT SHOWN	PVC FLEXIBLE TUBING SEE DETAIL 'L' ON L3.01	SALCO	PVC AR-050	1/2" I.D.
NOT SHOWN	EMITTER	BOWSMITH	SL220	SEE EMITTER SCHEDULE
▬▬	SLEEVE UNDER PAVED AREAS	-----	SCHEDULE 40	SEE NOTE #5

ID / SIZE — GPM — TYPE
- IRRIGATION CONTROLLER
- FLOW IN GPM
- PLANT MATERIAL
- VALVE SIZE

EMITTER SCHEDULE

PLANT SIZE	G.P.H.	QTY.	EMITTER	MANUFACTURER
36" BOX	16	8	SL220	BOWSMITH
24" BOX	16	8	SL220	BOWSMITH



RECORD DRAWINGS
DATE: 09/12/12

These record drawings have been reviewed based upon information furnished by others. While this information is believed to be reliable, JW Zunino Landscape Architecture cannot assure their accuracy of these record drawings or any errors or omissions that may have been incorporated as a result. Those relying on these record drawings are advised to obtain independent verification of their accuracy before applying it for any purpose

0 40' 80' 120'
SCALE: 1" = 40'-0"

NORTH

AVOID HITTING OVERHEAD UTILITY LINES. IT'S COSTLY. Call before you OVERHEAD 1-702-402-2929 CLARK COUNTY, NV SAFETY SERVICES DEPARTMENT

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call before you Dig. 811 UNDERGROUND SERVICE ALERT (USA)

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS-BUILT - 05.31.2012

REV. NO.	DATE	DESCRIPTION	APPROVED

XREF :
FILE :

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
LANDSCAPE IRRIGATION PLAN

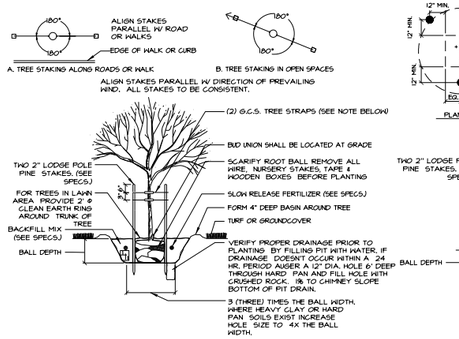
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: SEC
DESIGNED BY: SEC CHECKED BY: WTS
APPROVED BY WTS

J W ZUNINO LANDSCAPE ARCHITECTURE
LAS VEGAS NV 3191 SUCHES BLVD | LAS VEGAS, NV 89146 P 702.753.2200 | F 702.293.1010
CARLSBAD CA 2248 FARADAY AVE. | CARLSBAD, CA 92008

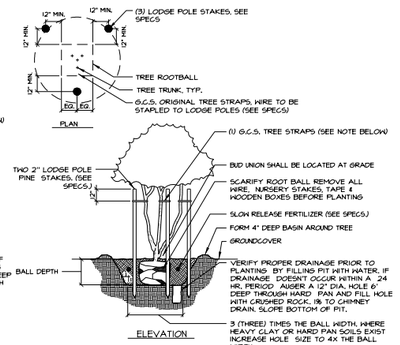
SCALE
HORIZ : 1"=40'-0"
VERT : NA
FIELD BOOK :
NONE

SHEET No.
L2.40
Sheet 249R of 592



SOURCE OF SUPPLY:
GCS, INC.
230 CENTER ST.
NORTH HALES, PA 19454 USA
1-800-360-3584
1-215-661-9270
WWW.TREESTRAP.COM

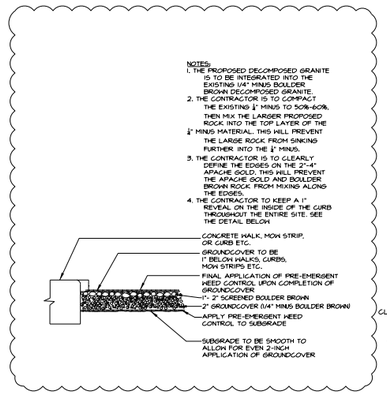
A **TREE PLANTING AND STAKING**



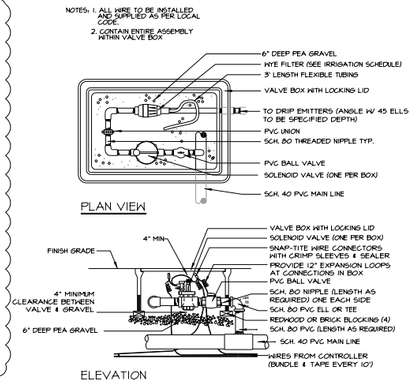
SOURCE OF SUPPLY:
GCS, INC.
230 CENTER ST.
NORTH HALES, PA 19454 USA
1-800-360-3584
1-215-661-9270
WWW.TREESTRAP.COM

B **MULTI-TRUNK TREE PLANTING AND STAKING**

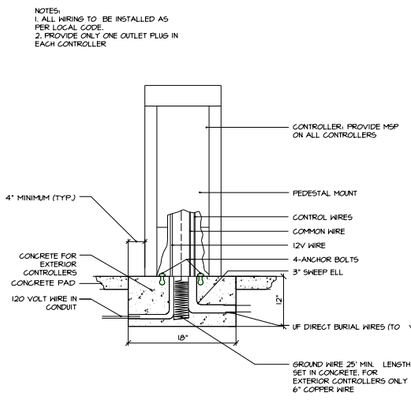
C S2.1 **LANDSCAPE BOULDER PLACEMENT**



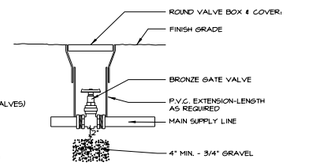
D **GROUNDCOVER DETAIL**



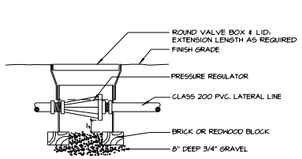
E S2.1 **SOLENOID VALVE (DRIP)**



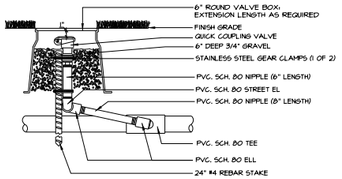
F S2.1 **PEDESTAL MOUNT CONTROLLER**



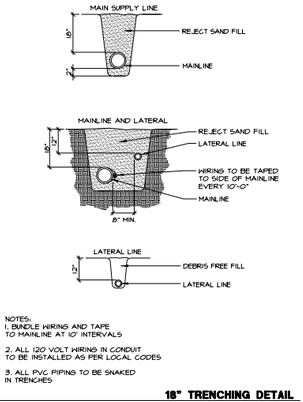
G S2.1 **GATE VALVE**



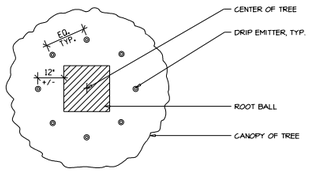
H S2.1 **PRESSURE REGULATOR**



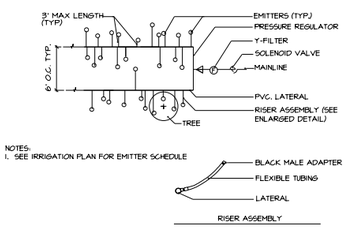
I **QUICK COUPLER**



J **18" TRENCHING DETAIL**



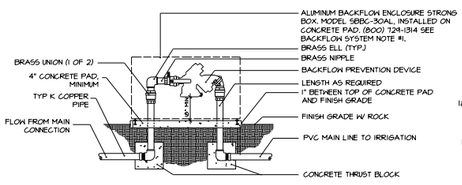
K **EMITTER LAYOUT FOR TREES**



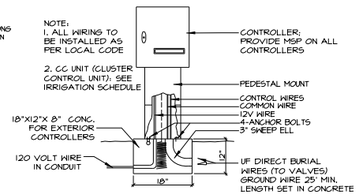
L **DRIP EMITTER LAYOUT**

BACKFLOW SYSTEM NOTES

1. THE ENCLOSURE SHALL HAVE A MOUNTING LIP ON ONE END AND A LOCKING MECHANISM ON THE OTHER END. THE MOUNTING BASE SHALL BE SUBMERGED INTO THE CONCRETE A MINIMUM OF THREE (3) INCHES, AND POSITION THE ENCLOSURE TWO AND ONE HALF INCHES ABOVE THE CONCRETE FOR DRAINAGE PURPOSES. THE LOCKING MECHANISM SHALL BE OF THE FULL RELEASE TYPE WHICH ALLOWS FOR COMPLETE REMOVAL OF THE ENCLOSURE FROM ITS MOUNTING BASE WITHOUT THE USE OF TOOLS. THE HANDLE CONTROLLING THE LOCKING MECHANISM SHALL BE CONCEALED WITHIN THE SURFACE OF THE ENCLOSURE AND PROVIDE FOR EITHER A SINGLE OR DUAL PADLOCK SYSTEM. PROVIDE OWNER WITH (1) PADLOCK & (4) KEYS.
2. FITTINGS AND PIPING TO BE SIZED IDENTICALLY WITH NOMINAL BACKFLOW PREVENTION DEVICE.



M **BACK FLOW PREVENTER W/ALUMINUM ENCLOSURE**



N **PEDESTAL MOUNT CONTROLLER WITH CCU**

RECORD DRAWINGS
DATE: 09/12/12

These record drawings have been reviewed based upon information furnished by others. While this information is believed to be reliable, JW Zunino Landscape Architecture cannot assure their accuracy of these record drawings or any errors or omissions that may have been incorporated as a result. Those relying on these record drawings are advised to obtain independent verification of their accuracy before applying it for any purpose

REV. NO.	DATE	DESCRIPTION	APPROVED

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
LANDSCAPE DETAILS

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: SEC
DESIGNED BY: SEC CHECKED BY: WTS
APPROVED BY WTS

JW ZUNINO LANDSCAPE ARCHITECTURE
LAS VEGAS, NV
3131 S. JONES BLVD. | LAS VEGAS, NV 89146
T 702.253.9900 | F 702.253.1018
CARLSBAD, CA
7740 FARADAY AVE. | CARLSBAD, CA 92009

SCALE
HORIZ: 1"=40'-0"
VERT: NA
FIELD BOOK:
NONE

SHEET No.
L3.01

Sheet 250 of 592

XREF :
FILE :