DEPARTMENT OF PUBLIC WORKS

Mayor:
CAROLYN G. GOODMAN

City Council:
STEVEN D. ROSS (Mayor Pro-Tem)
LOIS TARKANIAN
RICKI Y. BARLOW
STAVROS S. ANTHONY
BOB COFFIN
BOB BEERS

City Manager:
ELIZABETH N. FRETWELL

Director of Public Works:
DAVID N. BOWERS, P.E., P.T.O.E.

City Engineer:
ALLEN E. PAVELKA, P.E.

SIDEWALK INFILL
ARVILLE STEET, VISTA DRIVE AND HINSON STREET

Funded By:
COMMUNITY DEVELOPMENT BLOCK GRANT
CITY OF LAS VEGAS

Reviewed By:

4-27-17
CLV CITY ENGINEER — DATE

4/27/17
CLV PROJECT MANAGER — DATE

4/27/17
CLV CITY TRAFFIC ENGINEER — DATE

4/27/17
CLV CONSTRUCTION MANAGER — DATE

3.30.17
SOUTHWEST GAS CORPORATION — DATE

3/23/17
CENTRAL TELEPHONE COMPANY — DATE
d/b/a CENTURYLINK
THE AFFIXED CENTURYLINK NEVADA APPROVAL DOES NOT ASSUME OR GUARANTEE LIABILITY FOR KNOWN OR UNKNOWN CONFLICTS WITH EXISTING OR PROPOSED IMPROVEMENTS. RESOLUTION OF ANY CONFLICT WILL BE ACCOMPLISHED PURSUANT TO LOCAL ORDINANCES, NEVADA REVISED STATUTES AND/OR PUBLIC UTILITY COMMISSION STANDARD REGULATIONS.

3.30.17
COX COMMUNICATIONS LAS VEGAS, INC. — DATE

3.24.17
NV ENERGY – DISTRIBUTION — DATE
NV ENERGY 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.

3-27-17
NV ENERGY - TRANSMISSION — DATE

APPROVED FOR CONSTRUCTION
LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER
DATE: 4/19/17 PROJECT# 123892
SHEETS: CV, G-1, G-2, C-1 TO C-18A, C-20 & C-21

APPROVED FOR CONSTRUCTION
SOUTHERN NEVADA WATER AUTHORITY
DATE: 4/19/17 DPR# 2015-0122
SNWA APPROVAL IS VALID 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.

THE SIGNATURE ABOVE ACKNOWLEDGES THAT THE UTILITY COMPANY REPRESENTATIVE HAS REVIEWED THE PLANS, AND THAT TO THE BEST OF HIS OR HER KNOWLEDGE THE UTILITY LINES ARE SHOWN IN THE CORRECT LOCATIONS AND ARE THE CORRECT SIZES. WHILE SUCH DATA HAS BEEN COLLECTED WITH REASONABLE CARE, THERE IS NO EXPRESSED OR IMPLIED GUARANTEE THAT THE LOCATIONS ARE EXACT. THE CONTRACTOR SHALL BEAR THE RESPONSIBILITY OF OBTAINING THE ACTUAL FIELD LOCATIONS.

THE SIGNATURE ABOVE FURTHER ACKNOWLEDGES THAT THE UTILITY COMPANY DOES NOT ANTICIPATE CONSTRUCTION OR MAINTENANCE IN THE PROJECT AREA FOR FIVE (5) YEARS IN CONFORMANCE WITH THE CLV NO-CUT POLICY.

NO.	DATE	REVISIONS

PREPARED BY
GCW ENGINEERS\SURVEYORS
1555 S. RAINBOW BLVD.
LAS VEGAS, NV 89146
P: 702.804.2000
F: 702.804.2099
gcwengineering.com

PREPARED FOR
CITY OF LAS VEGAS

H# 50168 | BID# 17-50168
DATE: 3/22/17 | DESIGNED BY: FJG
SUBMITTAL STAGE: FINAL | DRAWN BY: MVD | CHECKED BY: TAM

TITLE
SIDEWALK INFILL - ARVILLE STREET, VISTA DRIVE AND HINSON STREET

SHEET
COVER SHEET

SNWA DPR# 2015-0122 (APPROVED)

Proj#: 123892 Agr#: 115612 QS: 162-06 Ne.

PROFESSIONAL ENGINEER – STATE OF NEVADA
TIMOTHY A. McCOY
Exp. 12/31/2017
CIVIL
No. 11511
3/24/17

SHEET
CV
1 OF 74
DRAWING NO.
107V 5837-4

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CITY OF LAS VEGAS GENERAL NOTES

1. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE "UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA NEVADA", LATEST ISSUE; THE "UNIFORM STANDARD DRAWINGS FOR PUBLIC WORKS CONSTRUCTION, CLARK COUNTY AREA NEVADA", LATEST REVISED EDITION; THE "SUMMERLIN IMPROVEMENT STANDARDS" FOR WORK IN THE SUMMERLIN AREA; AND OTHER APPLICABLE APPROVED STANDARDS ISSUED BY THE CONTROLLING AGENCY; THE UNIFORM BUILDING CODE; AND ALL LOCAL CITY CODES AND ORDINANCES APPLICABLE, EXCEPT AS NOTED ON THIS SHEET AS "DEVIATIONS FROM STANDARDS".

2. THE EXISTENCE AND LOCATION OF ANY OVERHEAD OR UNDERGROUND UTILITY LINES, PIPES, OR STRUCTURES SHOWN ON THESE PLANS ARE OBTAINED BY A RESEARCH OF THE AVAILABLE RECORDS. EXISTING UTILITIES AS SHOWN FROM CLV PLANS LIBRARY ARE APPROXIMATE AND FOR RECORD PURPOSES. EXISTING UTILITIES ARE LOCATED ON PLANS ONLY FOR THE CONVENIENCE OF THE CONTRACTOR. EXISTING UTILITY SERVICE LATERALS MAY NOT BE SHOWN ON THE PLANS. THE CONTRACTOR SHALL, AT HIS OWN EXPENSE, LOCATE ALL UNDERGROUND AND OVERHEAD INTERFERENCE WHICH MAY AFFECT HIS OPERATION DURING CONSTRUCTION AND SHALL TAKE ALL NECESSARY PRECAUTIONS TO AVOID DAMAGE TO SAME. THE CONTRACTOR SHALL USE EXTREME CAUTION WHEN WORKING NEAR OVERHEAD UTILITIES SO AS TO SAFELY PROTECT ALL PERSONNEL AND EQUIPMENT, AND SHALL BE RESPONSIBLE FOR ALL COST AND LIABILITY IN CONNECTION THEREWITH.

3. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONARY MEASURES NECESSARY TO PROTECT EXISTING UTILITY LINES, STRUCTURES AND STREET IMPROVEMENTS WHICH ARE TO REMAIN IN PLACE, FROM DAMAGE, AND ALL SUCH IMPROVEMENTS OR STRUCTURES DAMAGED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED OR REPLACED SATISFACTORY TO THE CITY ENGINEER OR OWNING UTILITY COMPANY AT THE EXPENSE OF THE CONTRACTOR.

4. ALL CONSTRUCTION SHALL BE AS SHOWN ON THESE PLANS, ANY REVISIONS SHALL HAVE THE PRIOR WRITTEN APPROVAL OF THE CITY ENGINEER.

5. TYPE V CEMENT SHALL BE USED IN ALL OFF-SITE CONCRETE WORK. CONCRETE TO BE 3000 P.S.I. MINIMUM @ 28 DAYS. MIX DESIGN TO BE APPROVED BY THE QUALITY CONTROL DIVISION, PRIOR TO THE USE ON THE PROJECT.

6. PERMITS ARE REQUIRED FOR ANY WORK IN THE PUBLIC RIGHT-OF-WAY. THE CONTRACTOR SHALL SECURE ALL PERMITS AND INSPECTIONS REQUIRED FOR THIS CONSTRUCTION.

7. EXPANSION JOINTS REQUIRED, MAXIMUM EVERY 300' IN EXTRUDED-TYPE CURB.

8. AC PAVEMENT TO BE 1/2" ABOVE LIP OF ALL GUTTERS AFTER COMPACTION, EXCEPT AT SIDEWALK RAMPS.

9. CURB AND GUTTER WITH A GRADE OF LESS THAN FOUR-TENTHS OF ONE PERCENT SHALL BE WATER-TESTED AS SOON AS POSSIBLE AFTER CONSTRUCTION. ANY CURB AND GUTTER FOUND TO BE UNACCEPTABLE TO THE CITY SHALL BE REMOVED AND REPLACED PER USD 216.

10. SIDEWALK RAMPS SHALL BE CONSTRUCTED IN EACH QUADRANT OF AN INTERSECTION PER USD 235, CASE I. EXACT LOCATION OF RAMPS MAY BE ADJUSTED IN THE FIELD BY A CITY PROJECT REPRESENTATIVE.

11. CONTRACTOR SHALL PROVIDE ALL NECESSARY HORIZONTAL AND VERTICAL TRANSITIONS BETWEEN NEW CONSTRUCTION AND EXISTING SURFACES TO PROVIDE FOR PROPER DRAINAGE AND FOR INGRESS AND EGRESS TO NEW CONSTRUCTION. THE EXTENT OF TRANSITIONS TO BE AS SHOWN ON PLANS, OR AS DESIGNATED IN THE FIELD BY CITY PROJECT REPRESENTATIVE.

12. N/A.

13. EXACT LOCATION OF ALL SAWCUT LINES MAY BE DETERMINED IN THE FIELD BY A CITY PROJECT REPRESENTATIVE IF LOCATION ON PLANS IS NOT CLEARLY SHOWN, OR EXISTING PAVEMENT CONDITION REQUIRES RELOCATIONS.

14. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO PROTECT EXISTING PERMANENT SURVEY MONUMENTS. ANY MONUMENTS DISTURBED SHALL BE REPLACED, AND SHALL BE DONE ONLY BY A NEVADA PROFESSIONAL LAND SURVEYOR IN ACCORDANCE WITH THE UNIFORM STANDARD DRAWINGS - CLARK COUNTY AREA. A RECORD-OF-SURVEY FOR REPLACEMENT OF PERMANENT SURVEY MONUMENTS SHALL BE SUBMITTED TO THE CITY ENGINEER FOR APPROVAL PRIOR TO RECORDING. THE RECORD-OF-SURVEY SHALL BE PREPARED IN ACCORDANCE WITH NEVADA REVISED STATUTES 625.350.

15. UTILITY COMPANY METER BOXES, MANHOLE LIDS, VALVE COVERS, ETC., SHALL BE LOCATED OUT OF DRIVEWAYS, DRIVEWAY APRONS, FLOWLINES, AND CROSS GUTTERS UNLESS WRITTEN APPROVAL IS GRANTED BY THE AFFECTED UTILITY COMPANY AND THE CITY ENGINEER.

16. ALL WALLS, NEW OR EXISTING, ARE ONLY SHOWN ON CIVIL PLANS FOR THE PURPOSE OF REVIEWING GRADING RELATIONSHIPS; FLOOD CONTROL AND SIGHT DISTANCE AT INTERSECTIONS. NEW WALLS REQUIRE A SEPARATE PERMIT AND INSPECTION BY THE CLV BUILDING DEPARTMENT.

17. ASPHALT MIX DESIGN MUST BE SUBMITTED AND APPROVED BY THE CITY ENGINEER PRIOR TO THE PLACEMENT OF ASPHALT WITHIN CITY RIGHTS OF WAY.

18. CONTRACTOR SHALL ADJUST ALL NEW AND EXISTING INLETS, VALVE BOXES, MANHOLE RIMS, SEWER CLEANOUTS, ETC. TO FINISH GRADE AS APPLICABLE WHETHER OR NOT THEY ARE SHOWN ON THE PLANS.

19. MATERIALS, HANDLING AND PLACEMENT OF PORTLAND CEMENT CONCRETE SHALL BE IN ACCORDANCE WITH APPLICABLE SECTIONS OF NDOT AND CLARK COUNTY AREA SPECIFICATIONS (AS APPLICABLE) AND THE PLANS AND DETAILS SHOWN HEREON.

20. WHEN INSTALLING UNDERGROUND FACILITIES THAT REQUIRE UNDERGROUND LOCATING DEVICES SUCH AS MARKER BALLS, LOCATING RIBBON, ETC, THE CONTRACTOR SHALL PROVIDE WRITTEN DOCUMENTATION TO THE ENGINEER CERTIFYING THAT ALL DEVICES HAVE BEEN PLACED AND VERIFIED TO BE IN GOOD WORKING CONDITION PRIOR TO THE CONSTRUCTION OF ANY ROAD BASE.

21. SANITARY SEWER AND STORM DRAIN FINAL LOCATION MAP(S) SHALL BE PROVIDED TO THE CITY AND APPROVED PRIOR TO ACCEPTANCE OF FACILITY VIDEO INSPECTION. THE MAP(S) SHALL INCLUDE THE HORIZONTAL AND VERTICAL (INVERT) LOCATION OF PUBLIC SEWER MANHOLES, STORM DRAIN MANHOLES AND TRANSITION STRUCTURES, STORM DRAIN LATERALS AT THE CONNECTION TO THE STORM DRAIN MAIN AND AT THE CONNECTION TO A DROP INLET, THE CONNECTION OF SEWER SERVICE LATERALS TO THE SEWER MAIN AND WHERE THE SEWER SERVICE LATERALS EXIT THE PUBLIC RIGHT-OF-WAY, AND STORM DRAIN MAIN ALIGNMENT, INCLUDING DEFLECTION POINTS. THE LOCATION SHALL BE DESCRIBED BY COORDINATES WHICH SHALL BE BASED ON THE OFFICIAL HORIZONTAL AND VERTICAL CONTROL NETWORKS OF THE CITY OF LAS VEGAS. FINAL LOCATION MAPS MUST BE SEALED AND CERTIFIED BY A NEVADA PROFESSIONAL LAND SURVEYOR TO HAVE POSITIONAL CERTAINTIES OF ± 0.09 METERS (± 0.3 FEET) HORIZONTALLY AND VERTICALLY. A SEPARATE ELECTRONIC COMMA DELIMITED FILE FOR THE SANITARY SEWER AND STORM DRAIN COORDINATES SHALL ALSO ACCOMPANY THE SANITARY SEWER AND STORM DRAIN FINAL LOCATION MAP(S). OR SANITARY SEWER AND STORM DRAIN FACILITIES SHOWN ON THESE PLANS SHALL BE USED TO MEET THE REQUIREMENTS OF NRS 455 AND SHALL SHOW AT A MINIMUM THE HORIZONTAL AND VERTICAL (INVERT) LOCATION OF PUBLIC SEWER MANHOLES, STORM DRAIN MANHOLES, STORM DRAIN LATERALS AT HE CONNECTION TO THE STORM DRAIN MAIN AND AT AT THE CONNECTION TO A DROP INLET, AND THE CONNECTION OF SEWER LATERALS TO THE SEWER MAIN AND WHERE THE SEWER SERVICE LATERALS EXIST THE PUBLIC RIGHT-OF-WAY. ANY DEVIATIONS FROM THE INFORMATION SHOWN SHALL BE NOTED AND SUBMITTED AS A REVISION TO THE PLANS AND APPROVED PRIOR TO ACCEPTANCE OF FACILITY VIDEO INSPECTION.

22. CCTV VIDEO INSPECTION IS REQUIRED FOR ALL SEWER AND STORM DRAINS. THE CCTV VIDEO INSPECTIONS NEED TO BE PERFORMED PER THE DESIGN AND CONSTRUCTION STANDARDS FOR WASTEWATER COLLECTION SYSTEMS LATEST ADDITION.

23. A SEPARATE BORING PERMIT IS REQUIRED FOR ALL BORING ACTIVITIES.

REVISED FEBRUARY 3, 2015

ABBREVIATIONS

@	AT
AC	ASPHALTIC CONCRETE
ACP	ASBESTOS CEMENT PIPE
AEP	AUTHORIZATION TO ENTER PROPERTY
APPROX.	APPROXIMATE
AP	ANGLE POINT
B/C, BC	BACK OF CURB
BCR	BACK OF CURB RADIUS
BM	BENCHMARK
BOT	BOTTOM
B.R.	BACK OF RAMP
BSW	BACK OF SIDEWALK
℄, CL	CENTERLINE
CATV	CABLE T.V.
CIPP	CURED-IN-PLACE PIPE
CLV	CITY OF LAS VEGAS
CONC.	CONCRETE
COND.	CONDUCTOR
CLSM	CONTROLLED LOW STRENGTH MATERIAL
C & G	CURB AND GUTTER
D/W	DRIVEWAY
DWG.	DRAWING
ECR	END OF CURB RETURN (AT B/C)
ELEC.	ELECTRIC
EOP, EP	EDGE OF PAVEMENT
ELEV.	ELEVATION
EXIST., EX.	EXISTING
EXOH	EXISTING OVERHEAD UTILITY
FND	FOUND
FL	FLOWLINE
FG	FINISHED GRADE
FH	FIRE HYDRANT
FT.	FOOT/FEET
FC	FACE OF CURB
G	GAS
GV	GAS VALVE
GW	GUY WIRE
INT.	INTERSECTION
IRR	IRRIGATION
L	LENGTH
LF	LINEAL FOOT, LINEAR FEET
LT	LEFT
MH	MANHOLE
MLCP	MULTI-LAYER COMPOSITE PIPE
NTS	NOT TO SCALE
NVE	NV ENERGY
OHP	OVERHEAD POWER LINE
PC	POINT OF CURVE
P.I.P.	PROTECT IN PLACE
PP	POWER POLE
PT	POINT OF TANGENCY
PRC	POINT OF REVERSE CURVE
PB	PULLBOX
P_PL	PROPERTY LINE
R	RADIUS
RT	RIGHT
R/W, R.O.W.	RIGHT OF WAY
SCCP	STEEL CYLINDER CONCRETE PIPE
SD	STORM DRAIN
SF	SQUARE FOOT
SNWA	SOUTHERN NEVADA WATER AUTHORITY
SS	SANITARY SEWER
STA.	STATION
STD	STANDARD
SY	SQUARE YARD
S/W	SIDEWALK
T	TELEPHONE LINE
TC	TOP OF CURB
TEL	TELEPHONE
TRANS.	TRANSITION
T.R.C.	TOP OF RAMP CURB
TS	TRAFFIC SIGNAL
TYP.	TYPICAL
USD	UNIFORM STD DRAWING
USS	UNIFORM STD SPECIFICATIONS
W	WATER LINE
WC	WHEEL CHAIR
WM	WATER METER
WV	WATER VALVE
W/	WITH
△	INCLUDED DELTA ANGLE

RTC NOTES

1. THE CONTRACTOR SHALL NOT BE ALLOWED TO CLOSE MORE THAN ONE CONSECUTIVE BUS STOP ON THE SAME SIDE OF THE STREET. TEMPORARY CLOSURES SHALL BE PWD (PERSONS WITH DISABILITY) ACCESSIBLE BEFORE ANY BUS STOP CAN BE CLOSED. THE CONTRACTOR SHALL NOTIFY CARL SCARBROUGH AT (702) 676-1608 OR ERIC TRAASDAHL AT (702) 676-1633, AT LEAST SEVEN WORKING DAYS IN ADVANCE.

2. THE CONTRACTOR SHALL SUBMIT A BUS STOP CLOSURES SCHEDULE WITH THE TRAFFIC CONTROL PLAN. THE BUS STOP CLOSURE SCHEDULE SHALL IDENTIFY SPECIFIC DURATIONS AND TIMES OF THE DAY FOR ALL PROPOSED BUS STOP CLSOURES. BUS STOP CLOSURES ARE NOT TO EXCEED TWO CONSECUTIVE STOPS AT ONE TIME, OR MORE THAN 1,000 FEET AT A TIME. PERSONS WITH DISABILITIES SHALL HAVE ACCESS TO BUS STOPS. THE CONTRACTOR SHALL PROVIDE A 100 FOOT LONG BY 10 FEET WIDE GRAVELED TURN OUT AT TEMPORARY BUS STOPS.

REVISED FEBRUARY 14, 2013

BASIS OF BEARINGS

GRID NORTH AS DEFINED BY THE CENTRAL MERIDIAN OF THE NEVADA COORDINATE REFERENCE SYSTEM (NCRS), LAS VEGAS AND LAS VEGAS HIGH ELEVATION ZONES, NORTH AMERICAN DATUM OF 1983; SAID MERIDIAN BEING COINCIDENT WITH 114°58' WEST OF THE GREENWICH MERIDIAN.
DATUM (REFERENCE FRAME): NAD 1983 (CORS 96) EPOCH 2002.0
STANDARD PARALLEL AND GRID ORIGIN: 36°15'00" N
CENTRAL MERIDIAN: 114°58'00" W
FALSE NORTHING: 200,000 METERS
FALSE EASTING: 100,000 METERS
STANDARD PARALLEL SCALE: 1.0001
LINEAR UNIT: US SURVEY FOOT (SFT)

BENCHMARK

CITY OF LAS VEGAS VERTICAL CONTROL POINT '8LV11 6E6', BEING A RIVET & PLATE IN TOP OF CURB S SIDE OAKEY BLVD @ HINSON ST.

ELEVATION: 2165.45 (FEET)
660.032 (METERS)
CITY OF LAS VEGAS VERTICAL CONTROL - 2008 ADJUSTMENT
BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD'88).

CITY OF LAS VEGAS GRADING NOTES

1. IN THE EVENT THAT ANY UNFORESEEN CONDITIONS NOT COVERED BY THESE NOTES ARE ENCOUNTERED DURING GRADING OPERATIONS, THE OWNER/ENGINEER SHALL BE IMMEDIATELY NOTIFIED FOR DIRECTION.

2. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PERFORM ALL NECESSARY CUTS AND FILLS WITHIN THE LIMITS OF THIS PROJECT AND THE RELATED OFF-SITE WORK, SO AS TO GENERATE THE DESIRED SUBGRADE, FINISH GRADES AND SLOPES SHOWN.

3. CONTRACTOR SHALL TAKE FULL RESPONSIBILITY FOR ALL EXCAVATION. ADEQUATE SHORING SHALL BE DESIGNED AND PROVIDED BY THE CONTRACTOR TO PREVENT UNDERMINING OF ANY ADJACENT FEATURES OR FACILITIES AND/OR CAVING OF THE EXCAVATION.

4. THE CONTRACTOR IS WARNED THAT AN EARTHWORK BALANCE WAS NOT NECESSARILY THE INTENT OF THIS PROJECT. ANY ADDITIONAL MATERIAL REQUIRED OR LEFTOVER MATERIAL FOLLOWING EARTHWORK OPERATIONS BECOMES THE RESPONSIBILITY OF THE CONTRACTOR.

5. THE GRADING CONTRACTOR IS RESPONSIBLE TO COORDINATE WITH THE OWNER TO PROVIDE FOR THE REQUIREMENTS OF THE PROJECT STORM WATER POLLUTION PREVENTION PLAN (SWPPP) AND ASSOCIATED PERMIT.

6. CONTRACTOR SHALL GRADE TO THE LINES AND ELEVATIONS SHOWN ON THE PLANS WITHIN THE FOLLOWING HORIZONTAL AND VERTICAL TOLERANCES AND DEGREES OF COMPACTION, IN THE AREAS INDICATED:

	HORIZONTAL	VERTICAL
A. PAVEMENT AREA SUBGRADE	0.1'±	+0.0' TO -0.1'
B. ENGINEERED FILL	0.5'±	+0.1' TO -0.1'

COMPACTION TESTING WILL BE PERFORMED BY THE OWNER OR HIS REPRESENTATIVE. COMPACTION SHALL COMPLY WITH THE REQUIREMENTS OF THE ENGINEER.

7. ALL CUT AND FILL SLOPES SHALL BE PROTECTED UNTIL EFFECTIVE EROSION CONTROL HAS BEEN ESTABLISHED.

8. THE USE OF POTABLE WATER WITHOUT A SPECIAL PERMIT FOR BUILDING OR CONSTRUCTION PURPOSES INCLUDING CONSOLIDATION OF BACKFILL OR DUST CONTROL IS PROHIBITED. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS FOR CONSTRUCTION WATER.

9. THE CONTRACTOR SHALL MAINTAIN THE STREETS, SIDEWALKS AND ALL OTHER PUBLIC RIGHT- OF-WAY IN A CLEAN, SAFE AND USABLE CONDITION. ALL SPILLS OF SOIL, ROCK OR CONSTRUCTION DEBRIS SHALL BE PROMPTLY REMOVED FROM THE PUBLICLY OWNED PROPERTY DURING CONSTRUCTION AND UPON COMPLETION OF THE PROJECT. ALL ADJACENT PROPERTY, PRIVATE OR PUBLIC SHALL BE MAINTAINED IN A CLEAN, SAFE AND USABLE CONDITION.

10. IN THE EVENT THAT ANY TEMPORARY CONSTRUCTION ITEM IS REQUIRED THAT IS NOT SHOWN ON THESE DRAWINGS, SUCH ITEM SHALL BE PROVIDED, AS DIRECTED BY THE CITY ENGINEER, AT NO EXPENSE TO THE CITY OF LAS VEGAS. TEMPORARY CONSTRUCTION INCLUDES DITCHES, BERMS, ROAD SIGNS AND BARRICADES, ETC.

REVISED APRIL 15, 2010

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 UTILIZE TYPE XI RETROREFLECTIVE SHEETING IN ACCORDANCE WITH CCAUSS 627 AND 716 AND SHALL HAVE AN ANTI-GRAFFITI PROTECTIVE OVERLAY FILM THAT IS A MATCHING COMPONENT TO, AND OF THE SAME MANUFACTURER AS THE RETROREFLECTIVE SHEETING TO WHICH IT IS APPLIED. 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 RTC TRANSIT 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 OTHERWISE 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.

APRIL 15, 2010

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 CONTRACTORS 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 PAVED IN STREETS EIGHTY (80') FOOT R/W AND LARGER SHALL HAVE CONCRETE COLLARS. STREETS LESS THAN EIGHTY (80') FOOT R/W WILL REQUIRE 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 PLANNING 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.

APRIL 15, 2010

NEVADA STORMWATER GENERAL PERMIT FOR CONSTRUCTION ACTIVITIES STANDARD NOTES

1. THE OWNER, SITE DEVELOPER, CONTRACTOR, AND/OR THEIR AUTHORIZED AGENTS SHALL EACH DAY REMOVE ALL SEDIMENT, MUD, CONSTRUCTION DEBRIS, OR OTHER POTENTIAL POLLUTANTS THAT MAY HAVE BEEN DISCHARGED TO, OR ACCUMULATED IN, THE PUBLIC RIGHTS OF WAY OF THE CLARK COUNTY AS A RESULT OF CONSTRUCTION ACTIVITIES ASSOCIATED WITH THIS SITE DEVELOPMENT OR CONSTRUCTION PROJECT. SUCH MATERIALS SHALL BE PREVENTED FROM ENTERING THE STORM SEWER SYSTEM.

2. ADDITIONAL CONSTRUCTION SITE DISCHARGE BEST MANAGEMENT PRACTICES MAY BE REQUIRED OF THE CONTRACTOR AND HIS OR HER AGENTS DUE TO UNFORESEEN EROSION PROBLEMS OR IF THE SUBMITTED PLAN DOES NOT MEET THE PERFORMANCE STANDARDS SPECIFIED IN CLARK COUNTY TITLE 24.40 AND THE LAS VEGAS VALLEY CONSTRUCTION SITE BMP GUIDANCE MANUAL.

3. TEMPORARY OR PERMANENT STABILIZATION PRACTICES WILL BE INSTALLED ON DISTURBED AREAS AS SOON AS PRACTICABLE AND NO LATER THAN 14 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED. SOME EXCEPTIONS MAY APPLY; REFER TO THE NEVADA STORMWATER GENERAL PERMIT FOR CONSTRUCTION ACTIVITY NVR 100000, SECTION III.A.5.

4. AT A MINIMUM, THE CONTRACTOR OR HIS AGENT SHALL INSPECT ALL DISTURBED AREAS, AREAS USED FOR STORAGE OF MATERIALS AND EQUIPMENT THAT ARE EXPOSED TO PRECIPITATION, VEHICLE ENTRANCE AND EXIT LOCATIONS, AND ALL BMPS WEEKLY, AND WITHIN 24 HOURS AFTER ANY RAIN EVENT OF 0.5 INCHES OR MORE. THE CONTRACTOR OR HIS AGENT SHALL UPDATE OR MODIFY THE STORMWATER POLLUTION PREVENTION PLAN AS NECESSARY. SOME EXCEPTIONS TO WEEKLY INSPECTIONS MAY APPLY, SUCH AS SUSPENSION OF LAND DISTURBANCE ACTIVITIES. REFER TO THE NEVADA STORMWATER GENERAL PERMIT FOR CONSTRUCTION ACTIVITY NVR100000, SECTION III.A.12.

5. ACCUMULATED SEDIMENT IN BMPS SHALL BE REMOVED WITHIN SEVEN DAYS AFTER A STORMWATER RUNOFF EVENT OR PRIOR TO THE NEXT ANTICIPATED STORM EVENT, WHICHEVER IS EARLIER. SEDIMENT MUST BE REMOVED WHEN BMP DESIGN CAPACITY HAS BEEN REDUCED BY 50 PERCENT OR MORE.

LVVWD STANDARD NOTES

LVVWD PROJECT # 123892

1. NO WORK SHALL BEGIN UNTIL THE WATER PLANS HAVE BEEN APPROVED FOR CONSTRUCTION BY THE 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 P.M. THE BUSINESS DAY PRIOR TO THE REQUESTED LVVWD INSPECTION. WHEN REQUESTING INSPECTIONS, PLEASE REFER TO THE PROJECT# 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). THE LATEST EDITION OF UDACS SHALL SUPERSEDE ANY CONFLICTS CONTAINED IN THE APPROVED DRAWINGS AND/OR SPECIFICATIONS.

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 IMPROVEMENT, CLARK COUNTY AREA.

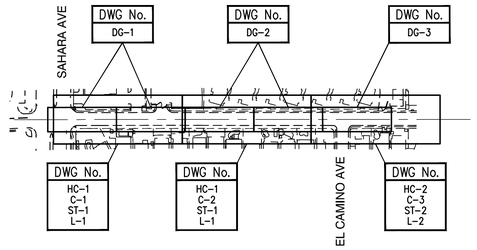
4. A SINGLE PIPE MATERIAL SHALL BE USED THROUGHOUT THE PROJECT UNLESS OTHERWISE APPROVED BY THE LVVWD.

5. ALL SERVICE LATERALS TWO (2) INCHES IN DIAMETER AND SMALLER SHALL BE TYPE K COPPER TUBING WITH LVVWD APPROVED SERVICE SADDLES.

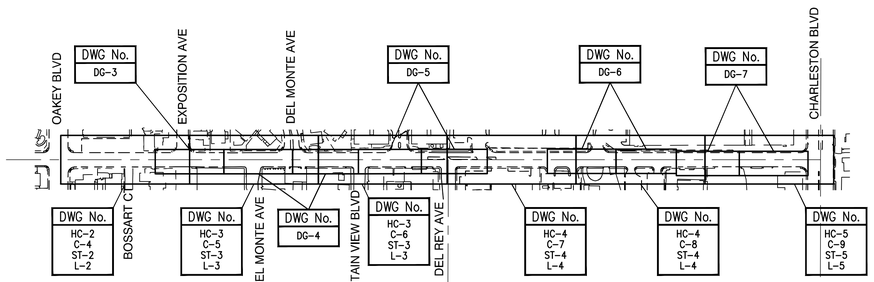
6. ALL WATER METER BOXES SHALL BE LOCATED OUTSIDE OF DRIVEWAY AREAS.

7. ALL VALVES SHALL BE LOCATED OUTSIDE OF DRIVEWAYS, VALLEY AND CURB GUTTERS.

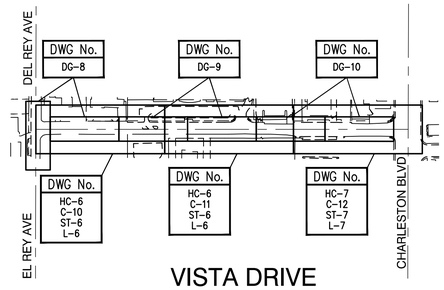
8. ALL WATER AND STORM DRAIN OR SANITARY SEWER CROSSINGS SHALL C



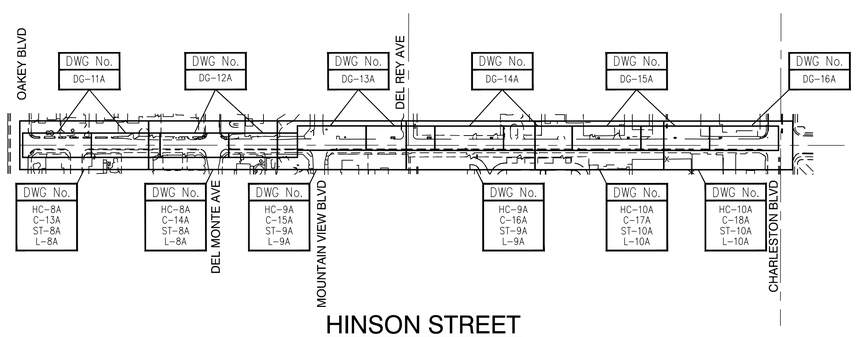
ARVILLE STREET



ARVILLE STREET



VISTA DRIVE



HINSON STREET

SHEET INDEX

SHEET NO.	DRAWING NO.	SHEET DESCRIPTION
1	CV	COVER SHEET
2	G-1	GENERAL NOTES, LEGEND, ABBREVIATIONS AND VICINITY MAP
3	G-2	SHEET INDEX
4	G-3	RECORD OF SURVEY
5	HC-1	HORIZONTAL CONTROL PLAN "AS" 10+00 TO "AS" 19+00
6	HC-2	HORIZONTAL CONTROL PLAN "AS" 19+00 TO "AS" 41+00
7	HC-3	HORIZONTAL CONTROL PLAN "AS" 41+00 TO "AS" 50+00
8	HC-4	HORIZONTAL CONTROL PLAN "AS" 50+00 TO "AS" 59+00
9	HC-5	HORIZONTAL CONTROL PLAN "AS" 59+00 TO "AS" 63+04.17
10	HC-6	HORIZONTAL CONTROL PLAN "VD" 20+00 TO "VD" 29+00
11	HC-7	HORIZONTAL CONTROL PLAN "VD" 29+00 TO "VD" 33+00.39
12	HC-8A	HORIZONTAL CONTROL PLAN "HS" 30+00 TO "HS" 39+00 (ADD/ALT)
13	HC-9A	HORIZONTAL CONTROL PLAN "HS" 39+00 TO "HS" 48+00 (ADD/ALT)
14	HC-10A	HORIZONTAL CONTROL PLAN "HS" 48+00 TO "HS" 56+58.05 (ADD/ALT)
15	TY-1	TYPICAL SECTIONS
16	TY-2	TYPICAL SECTIONS
17	C-1	DEMOLITION & CONSTRUCTION PLAN "AS" 10+00 TO "AS" 14+50
18	C-2	DEMOLITION & CONSTRUCTION PLAN "AS" 14+50 TO "AS" 19+00
19	C-3	DEMOLITION & CONSTRUCTION PLAN "AS" 19+00 TO "AS" 22+50
20	C-4	DEMOLITION & CONSTRUCTION PLAN "AS" 36+50 TO "AS" 41+00
21	C-5	DEMOLITION & CONSTRUCTION PLAN "AS" 41+00 TO "AS" 45+50
22	C-6	DEMOLITION & CONSTRUCTION PLAN "AS" 45+50 TO "AS" 50+00
23	C-7	DEMOLITION & CONSTRUCTION PLAN "AS" 50+00 TO "AS" 54+50
24	C-8	DEMOLITION & CONSTRUCTION PLAN "AS" 54+50 TO "AS" 59+00
25	C-9	DEMOLITION & CONSTRUCTION PLAN "AS" 59+00 TO "VD" 63+04.17
26	C-10	DEMOLITION & CONSTRUCTION PLAN "VD" 20+00 TO "VD" 24+50
27	C-11	DEMOLITION & CONSTRUCTION PLAN "VD" 24+50 TO "VD" 29+00
28	C-12	DEMOLITION & CONSTRUCTION PLAN "VD" 29+00 TO "VD" 33+00.39
29	C-13A	DEMOLITION & CONSTRUCTION PLAN "HS" 30+00 TO "HS" 34+50 (ADD/ALT)
30	C-14A	DEMOLITION & CONSTRUCTION PLAN "HS" 34+50 TO "HS" 39+00 (ADD/ALT)
31	C-15A	DEMOLITION & CONSTRUCTION PLAN "HS" 39+00 TO "HS" 43+50 (ADD/ALT)
32	C-16A	DEMOLITION & CONSTRUCTION PLAN "HS" 43+50 TO "HS" 48+00 (ADD/ALT)
33	C-17A	DEMOLITION & CONSTRUCTION PLAN "HS" 48+00 TO "HS" 52+50 (ADD/ALT)
34	C-18A	DEMOLITION & CONSTRUCTION PLAN "HS" 52+50 TO "HS" 56+58.05 (ADD/ALT)
35	C-19	CONSTRUCTION DETAILS
36	C-20	CONSTRUCTION DETAILS
37	C-21	CONSTRUCTION DETAILS
38	DG-1	DETAILED GRADING PLAN "AS" 10+00 TO "AS" 14+60
39	DG-2	DETAILED GRADING PLAN "AS" 14+60 TO "AS" 19+40
40	DG-3	DETAILED GRADING PLAN "AS" 19+40 TO "AS" 42+20
41	DG-4	DETAILED GRADING PLAN "AS" 42+20 TO "AS" 46+90
42	DG-5	DETAILED GRADING PLAN "AS" 46+90 TO "AS" 51+40
43	DG-6	DETAILED GRADING PLAN "AS" 53+50 TO "AS" 58+00
44	DG-7	DETAILED GRADING PLAN "AS" 58+00 TO "AS" 63+04.17
45	DG-8	DETAILED GRADING PLAN "VD" 20+00 TO "VD" 22+90
46	DG-9	DETAILED GRADING PLAN "VD" 22+90 TO "VD" 27+70
47	DG-10	DETAILED GRADING PLAN "VD" 27+70 TO "VD" 33+00.39
48	DG-11A	DETAILED GRADING PLAN "HS" 30+10 TO "HS" 34+90 (ADD/ALT)
49	DG-12A	DETAILED GRADING PLAN "HS" 34+90 TO "HS" 39+70 (ADD/ALT)
50	DG-13A	DETAILED GRADING PLAN "HS" 39+70 TO "HS" 44+50 (ADD/ALT)
51	DG-14A	DETAILED GRADING PLAN "HS" 44+50 TO "HS" 49+30 (ADD/ALT)
52	DG-15A	DETAILED GRADING PLAN "HS" 49+30 TO "HS" 54+10 (ADD/ALT)
53	DG-16A	DETAILED GRADING PLAN "HS" 54+10 TO "HS" 56+58.05 & "MV" (ADD/ALT)
54	DG-17	STORM DRAIN LATERAL PROFILES
55	ST-1	SIGNING AND STRIPING PLAN "AS" 10+00 TO "AS" 19+00
56	ST-2	SIGNING AND STRIPING PLAN "AS" 19+00 TO "AS" 41+00
57	ST-3	SIGNING AND STRIPING PLAN "AS" 41+00 TO "AS" 50+00
58	ST-4	SIGNING AND STRIPING PLAN "AS" 50+00 TO "AS" 59+00
59	ST-5	SIGNING AND STRIPING PLAN "AS" 59+00 TO "AS" 63+04.17
60	ST-6	SIGNING AND STRIPING PLAN "VD" 20+00 TO "VD" 29+00
61	ST-7	SIGNING AND STRIPING PLAN "VD" 29+00 TO "VD" 33+00.39
62	ST-8A	SIGNING AND STRIPING PLAN "HS" 30+00 TO "HS" 39+00 (ADD/ALT)

SHEET INDEX

SHEET NO.	DRAWING NO.	SHEET DESCRIPTION
63	ST-9A	SIGNING AND STRIPING PLAN "HS" 39+00 TO "HS" 48+00 (ADD/ALT)
64	ST-10A	SIGNING AND STRIPING PLAN "HS" 48+00 TO "HS" 56+58.05 (ADD/ALT)
65	L-1	LIGHTING PLAN "AS" 10+00 TO "AS" 19+00
66	L-2	LIGHTING PLAN "AS" 19+00 TO "AS" 41+00
67	L-3	LIGHTING PLAN "AS" 41+00 TO "AS" 50+00
68	L-4	LIGHTING PLAN "AS" 50+00 TO "AS" 59+00
69	L-5	LIGHTING PLAN "AS" 59+00 TO "AS" 63+04.17
70	L-6	LIGHTING PLAN "VD" 20+00 TO "VD" 29+00
71	L-7	LIGHTING PLAN "VD" 29+00 TO "VD" 33+00.39
72	L-8A	LIGHTING PLAN "HS" 30+00 TO "HS" 39+00 (ADD/ALT)
73	L-9A	LIGHTING PLAN "HS" 39+00 TO "HS" 48+00 (ADD/ALT)
74	L-10A	LIGHTING PLAN "HS" 48+00 TO "HS" 56+58.05 (ADD/ALT)

APPROVED FOR CONSTRUCTION

SIGNED BY MIKE DISHARI ON 4/19/17 FOR DJM (SEE ORIGINAL MYLAR)

LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER

DATE: PROJECT# 123892

NO.	DATE	REVISIONS

PREPARED BY
GCW ENGINEERS \ SURVEYORS
1555 S. RAINBOW BLVD.
LAS VEGAS, NV 89146
T: 702.804.2000
F: 702.804.2299
gcwengineering.com

PREPARED FOR
CITY OF LAS VEGAS

H# 50168 | BID# 17-50168
DATE: 4/25/17 | DESIGNED BY: FJG
SUBMITTAL STAGE: FINAL | DRAWN BY: MVD
CHECKED BY: TAM

TITLE
SIDEWALK INFILL - ARVILLE STREET, VISTA DRIVE AND HINSON STREET

SHEET
SHEET INDEX

TIMOTHY A. McCOY Exp. 12/31/2017 CIVIL No. 11511 STATE OF NEVADA PROFESSIONAL ENGINEER
4/25/17

SHEET
G-2
3 OF 74

DRAWING NO.
107V 5837-4

Proj#: 123892 Agr# 115612 OS: 162-06 NE

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SURVEYOR'S CERTIFICATE

I, PAUL BURN, A PROFESSIONAL LAND SURVEYOR REGISTERED IN THE STATE OF NEVADA, AS AGENT FOR G.C. WALLACE, INC., CERTIFY THAT:

1. THIS SURVEY REPRESENTS THE RESULTS OF A SURVEY CONDUCTED UNDER MY SUPERVISION AT THE INSTANCE OF CITY OF LAS VEGAS.
2. THE LAND SURVEYED LIES WITHIN THE EAST HALF (E 1/2) SECTION 6, TOWNSHIP 21 SOUTH, RANGE 61 EAST, M.D.M., CITY OF LAS VEGAS CLARK COUNTY, NEVADA, AND THE SURVEY WAS COMPLETED ON OCTOBER 6, 2014.
3. THIS SURVEY COMPLIES WITH APPLICABLE STATUTES OF THIS STATE AND ANY LOCAL ORDINANCES IN EFFECT ON THE DATE THAT THE SURVEY WAS COMPLETED, AND THE SURVEY WAS CONDUCTED IN ACCORDANCE WITH CHAPTER 625 OF THE NEVADA ADMINISTRATION CODE.
4. THE MONUMENTS DEPICTED ON THE PLAT ARE OF THE CHARACTER SHOWN, OCCUPY THE POSITIONS INDICATED, AND ARE OF SUFFICIENT DURABILITY.

PAUL BURN
PROFESSIONAL LAND SURVEYOR
NEVADA LICENSE NO. 11174

PROFESSIONAL LAND SURVEYOR · STATE OF NEVADA · PAUL BURN · No. 11174 · 12-22-14

BASIS OF BEARING

GRID NORTH AS DEFINED BY THE CENTRAL MERIDIAN OF THE NEVADA COORDINATE REFERENCE SYSTEM (NCRS), LAS VEGAS AND LAS VEGAS HIGH ELEVATION ZONES, NORTH AMERICAN DATUM OF 1983; SAID MERIDIAN BEING COINCIDENT WITH 114°58' WEST OF THE GREENWICH MERIDIAN.

DATUM (REFERENCE FRAME): NAD 1983 (2011) EPOCH 2010.0

ZONE: LAS VEGAS ZONE
STANDARD PARALLEL AND GRID ORIGIN: 36°15'00" N
CENTRAL MERIDIAN: 114°58'00" W
FALSE NORTHING: 200,000 METERS
FALSE EASTING: 100,000 METERS
STANDARD PARALLEL SCALE: 1.0001
LINEAR UNIT: US SURVEY FOOT (SFT)

BENCHMARK

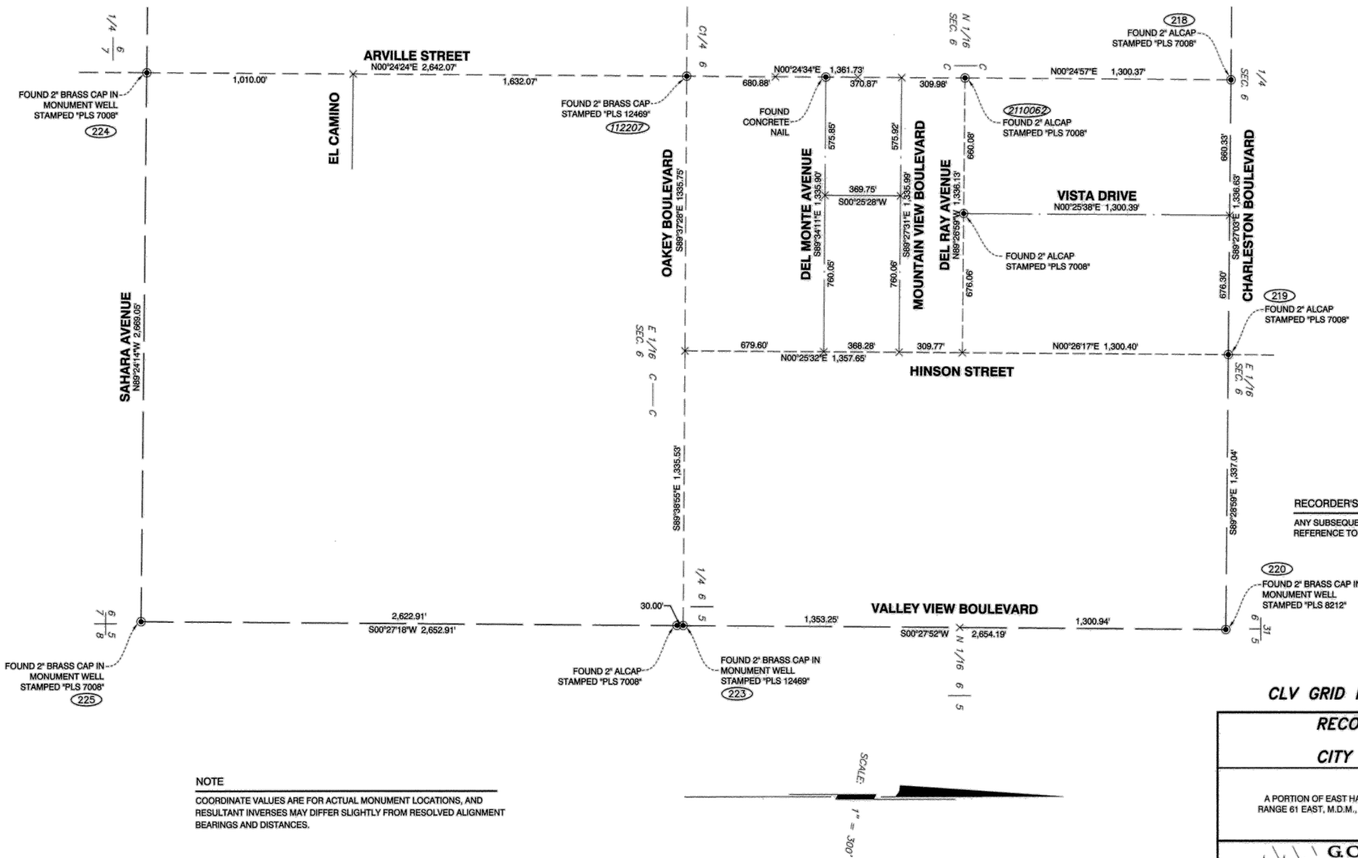
CITY OF LAS VEGAS VERTICAL CONTROL POINT '8LV11 6E6', BEING A RIVET & PLATE IN TOP OF CURB S SIDE OAKEY BLVD @ HINSON ST.

ELEVATION: 2165.45 (FEET)
660.032 (METERS)
CITY OF LAS VEGAS VERTICAL CONTROL - 2008 ADJUSTMENT.
BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD'88).

LEGEND

- STREET CENTERLINE
- SECTION LINE
- QUARTER SECTION LINE
- FOUND MONUMENTATION AS SHOWN AND DESCRIBED
- FOUND 2" ALUMINUM CAP STAMPED "PLS 12469"
- POINT NOT FOUND - CALCULATED POSITION
- L1 LINE SEGMENT NUMBER
- C1 CURVE NUMBER
- (200) MONUMENT CONTROL

UNOFFICIAL COPY UNOFFICIAL COPY UNOFFICIAL COPY UNOFFICIAL COPY



POINT TABLE

POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
218	623134.5170	259265.4720	2176.93'	FND 2" ALCAP 7008
219	623121.7040	260602.0450	2165.09'	FND 2" ALCAP 7008
220	623109.6440	261939.0340	2132.54'	FND 2" BRCAP 8212
223	620455.5410	261917.5200	2151.77'	FND 2" BRCAP 12469
224	617830.4780	259227.5490	2182.05'	FND 2" BRCAP 7008
225	617802.7100	261896.4590	2157.90'	FND 2" BRCAP 7008
112207	620472.4860	259246.3000	2179.67'	FND 2" BRCAP 12469
2110062	621834.1770	259256.0320	2178.08'	FND 2" ALCAP 7008

RECORDER'S NOTE

ANY SUBSEQUENT CHANGES TO THIS MAP SHOULD BE EXAMINED AND MAY BE DETERMINED BY REFERENCE TO THE COUNTY RECORDER'S CUMULATIVE MAP INDEX. N.R.S. 278.5695

NOTE

COORDINATE VALUES ARE FOR ACTUAL MONUMENT LOCATIONS, AND RESULTANT INVERSES MAY DIFFER SLIGHTLY FROM RESOLVED ALIGNMENT BEARINGS AND DISTANCES.

CLV GRID PROJECT NO. H50168

RECORD OF SURVEY
FOR
CITY OF LAS VEGAS

A PORTION OF EAST HALF (E 1/2) SECTION 6, TOWNSHIP 21 SOUTH, RANGE 61 EAST, M.D.M., CITY OF LAS VEGAS CLARK COUNTY, NEVADA

G. C. WALLACE COMPANIES
ENGINEERS | PLANNERS | SURVEYORS
1555 S. RAINBOW BLVD · LAS VEGAS, NV 89146
T: 702.804.2000 · F: 702.804.2299 · GCWALLACE.COM

INSTRUMENT NO. 02643
OFFICIAL RECORDS
BOOK NO. 20150105
FILED AT THE REQUEST OF
G.C. WALLACE INC.
DATE 1.05.15 AT 16:21:10
FILE 194 PAGE 0034
OF SURVEYS
CLARK COUNTY, NEVADA RECORDS
DEBBIE CONWAY, RECORDER
FEE $ 24 DEPUTY AN1

SHEET 1 OF 1

412-656

FILE 194 PAGE 0034

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ENGINEERS | SURVEYORS
gcwengineerng.com

NO.	DATE	REVISIONS

PREPARED FOR
CITY OF LAS VEGAS

BID# 17-50168
DESIGNED BY: FJG
DRAWN BY: MVD
CHECKED BY: TAM

H# 50168
DATE: 4/25/17
SUBMITTAL STAGE: FINAL

TITLE
SIDEWALK INFILL - ARVILLE STREET, VISTA DRIVE AND HINSON STREET

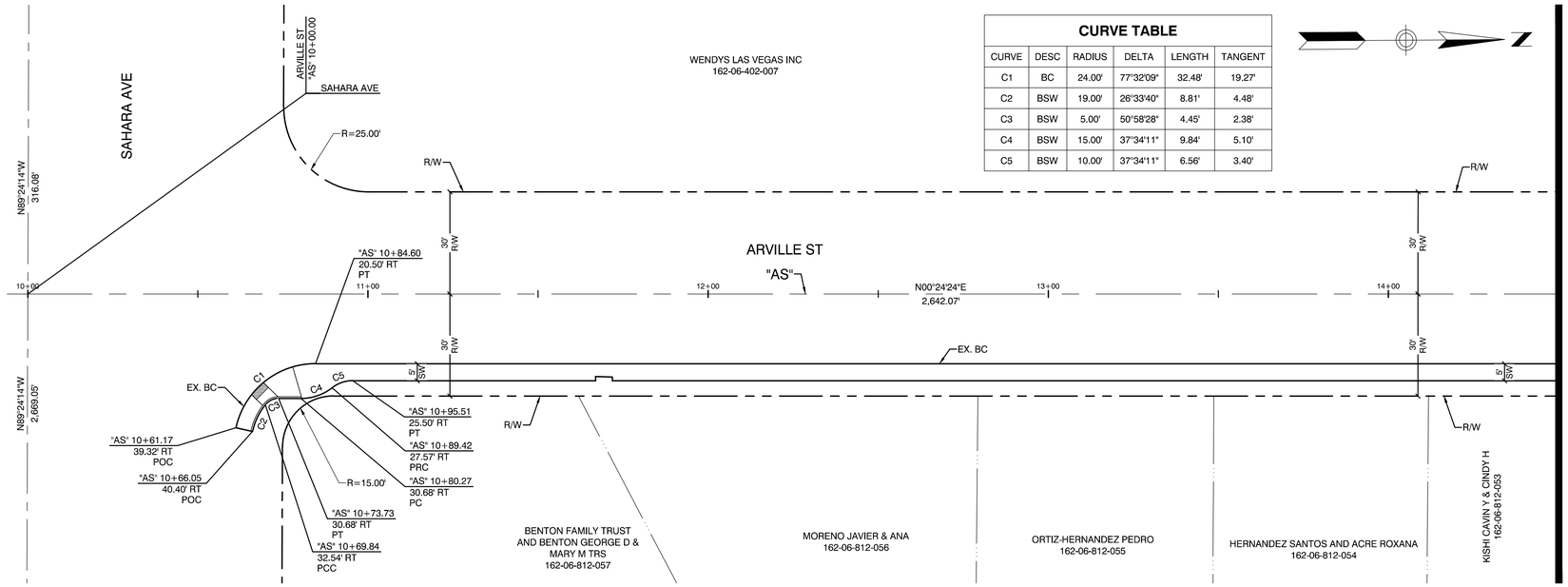
SHEET
RECORD OF SURVEY

PROFESSIONAL ENGINEER · STATE OF NEVADA · TIMOTHY A. McCOY · Exp. 12/31/2017 · CIVIL · No. 11511
4/25/17

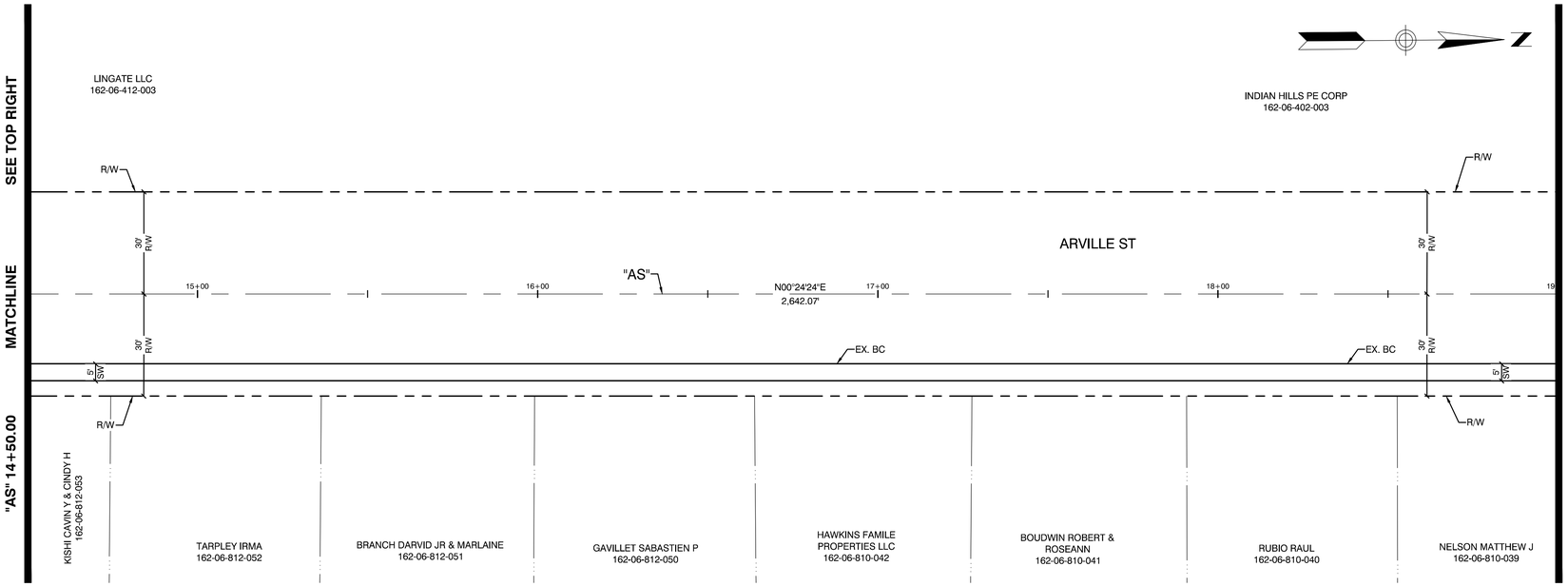
SHEET
G-3
4 OF 74

DRAWING NO.
107V 5837-4

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CURVE TABLE					
CURVE	DESC	RADIUS	DELTA	LENGTH	TANGENT
C1	BC	24.00'	77°32'09"	32.48'	19.27'
C2	BSW	19.00'	26°33'40"	8.81'	4.48'
C3	BSW	5.00'	50°58'28"	4.45'	2.38'
C4	BSW	15.00'	37°34'11"	9.84'	5.10'
C5	BSW	10.00'	37°34'11"	6.56'	3.40'



GRAPHIC SCALE

20 0 10 20 40

(IN FEET)

CALL BEFORE CONSTRUCTION ⚠		
BEFORE YOU DIG	USA NORTH	811 OR 800-227-2600
BEFORE YOU UNDERGROUND	F.A.S.T.	702-432-5300
	CLARK COUNTY TRAFFIC OPERATIONS	702-455-7511
	CITY OF LAS VEGAS T.E.F.O.	702-229-6611
BEFORE YOU OVERHEAD	NV ENERGY	702-227-2929

NO.	DATE	REVISIONS

PREPARED BY
GCW ENGINEERS \ SURVEYORS
1555 S. RAINBOW BLVD.
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gcwengineering.com

PREPARED FOR
CITY OF LAS VEGAS

BID# 17-50168
DESIGNED BY: JFG
DRAWN BY: MVD
CHECKED BY: TAM

H# 50168
DATE: 4/25/17
SUBMITTAL STAGE: FINAL

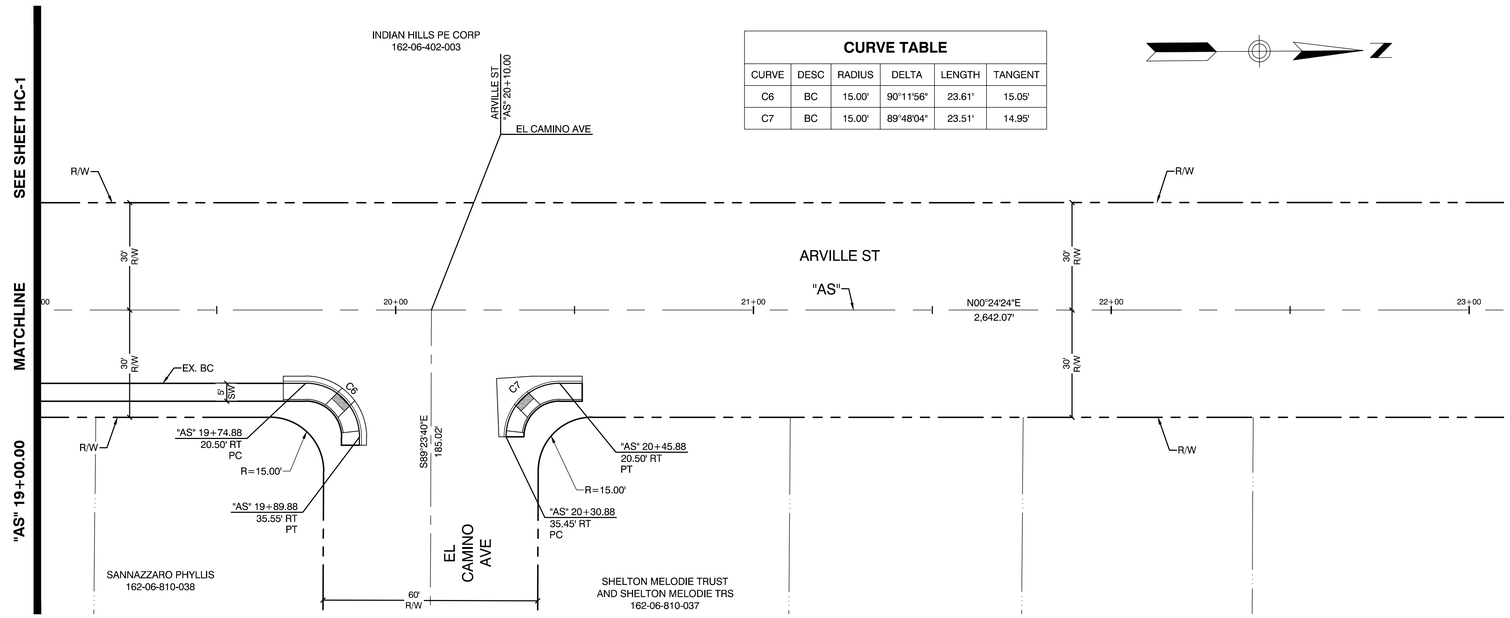
TITLE
SIDEWALK INFILL - ARVILLE STREET, VISTA DRIVE AND HINSON STREET

SHEET
HORIZONTAL CONTROL PLAN "AS" 10+00 TO "AS" 19+00

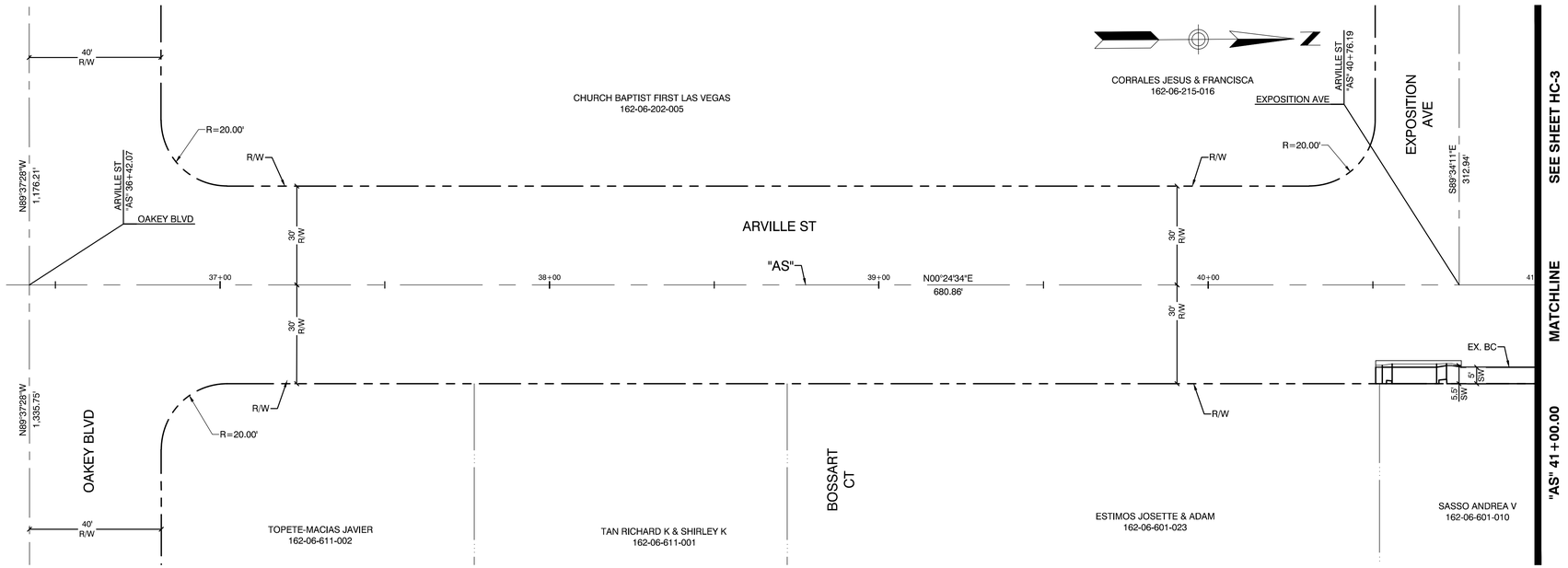
PROFESSIONAL ENGINEER STATE OF NEVADA
TIMOTHY A. McCOY
Exp. 12/31/2017
CIVIL
No. 11511
4/25/17

SHEET
HC-1
5 OF 74
DRAWING NO.
107V 5837-4

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CURVE TABLE					
CURVE	DESC	RADIUS	DELTA	LENGTH	TANGENT
C6	BC	15.00'	90°11'56"	23.61'	15.05'
C7	BC	15.00'	89°48'04"	23.51'	14.95'



GRAPHIC SCALE

20 0 10 20 40

(IN FEET)

CALL BEFORE CONSTRUCTION ⚠		
BEFORE YOU DIG	USA NORTH	811 OR 800-227-2600
BEFORE YOU UNDERGROUND	F.A.S.T.	702-432-5300
	CLARK COUNTY TRAFFIC OPERATIONS	702-455-7511
	CITY OF LAS VEGAS T.E.F.O.	702-229-6611
BEFORE YOU OVERHEAD	NV ENERGY	702-227-2929

NO.	DATE	REVISIONS

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GCW ENGINEERS \ SURVEYORS
1555 S. RAINBOW BLVD.
LAS VEGAS, NV 89146
T: 702.804.2000
F: 702.804.2299
gcwengineering.com

PREPARED FOR
CITY OF LAS VEGAS

BID# 17-50168
DESIGNED BY: JFG
DRAWN BY: MVD
CHECKED BY: TAM

H# 50168
DATE: 4/25/17
SUBMITTAL STAGE: FINAL

TITLE
SIDEWALK INFILL - ARVILLE STREET, VISTA DRIVE AND HINSON STREET

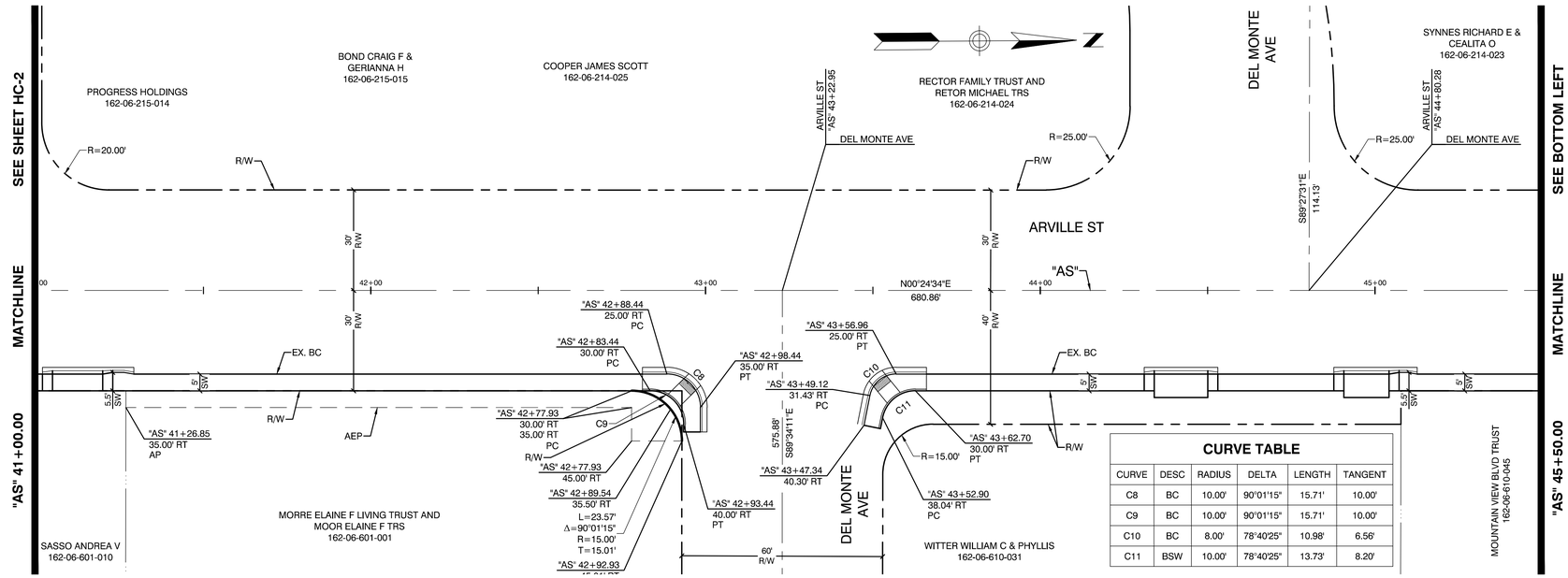
SHEET
HORIZONTAL CONTROL PLAN "AS" 19+00 TO "AS" 41+00

PROFESSIONAL ENGINEER STATE OF NEVADA
TIMOTHY A. McCOY
Exp. 12/31/2017
CIVIL
No. 11511
4/25/17

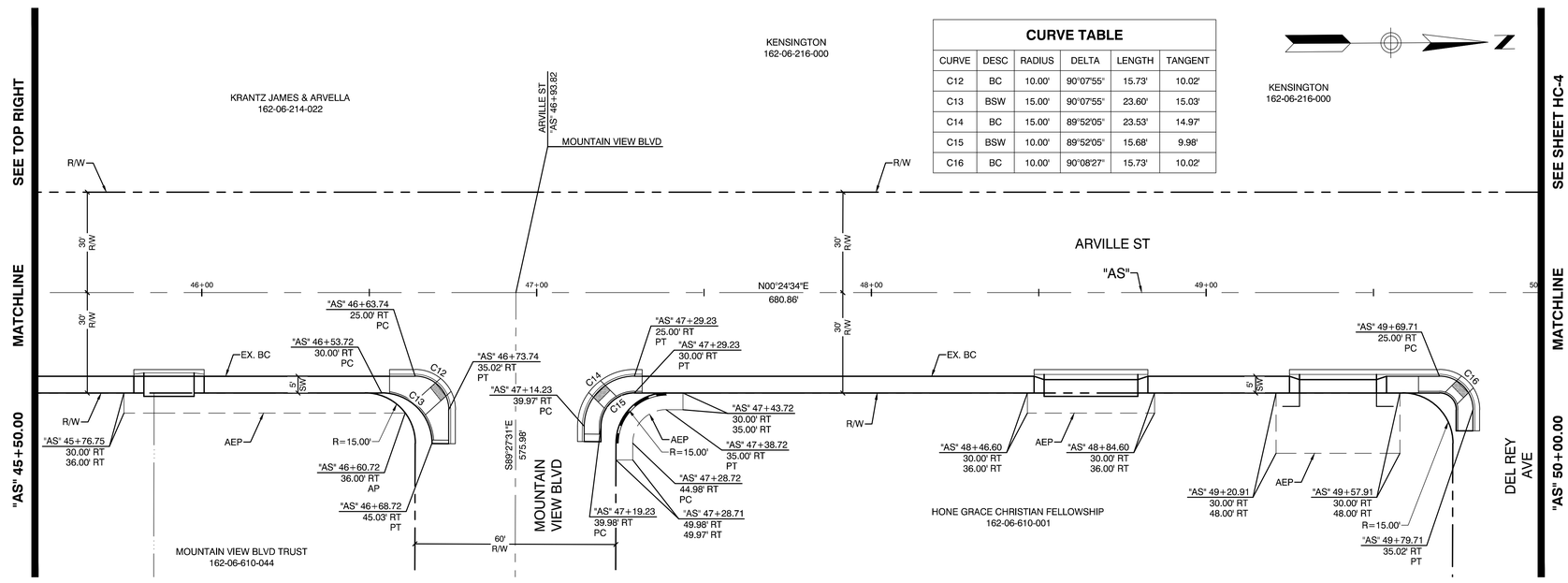
SHEET
HC-2
6 OF 74

DRAWING NO.
107V 5837-4

F:\Projects\4004\12-668\DWG\Production\03-A1_HC01-HC10.dwg 5/15/2017 10:40:08 AM jtgarman



CURVE TABLE					
CURVE	DESC	RADIUS	DELTA	LENGTH	TANGENT
C8	BC	10.00'	90°01'15"	15.71'	10.00'
C9	BC	10.00'	90°01'15"	15.71'	10.00'
C10	BC	8.00'	78°40'25"	10.98'	6.56'
C11	BSW	10.00'	78°40'25"	13.73'	8.20'



CURVE TABLE					
CURVE	DESC	RADIUS	DELTA	LENGTH	TANGENT
C12	BC	10.00'	90°07'55"	15.73'	10.02'
C13	BSW	15.00'	90°07'55"	23.60'	15.03'
C14	BC	15.00'	89°52'05"	23.53'	14.97'
C15	BSW	10.00'	89°52'05"	15.68'	9.98'
C16	BC	10.00'	90°08'27"	15.73'	10.02'

GRAPHIC SCALE
20 0 10 20 40
(IN FEET)

CALL BEFORE CONSTRUCTION

BEFORE YOU DIG	USA NORTH	811 OR 800-227-2600
BEFORE YOU UNDERGROUND	F.A.S.T.	702-432-5300
	CLARK COUNTY TRAFFIC OPERATIONS	702-455-7511
	CITY OF LAS VEGAS T.E.F.O.	702-229-6611
BEFORE YOU OVERHEAD	NV ENERGY	702-227-2929

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BID# 17-50168
H# 50168
DESIGNED BY: JFG
DRAWN BY: MVD
CHECKED BY: TAM
DATE: 4/25/17
SUBMITTAL STAGE: FINAL

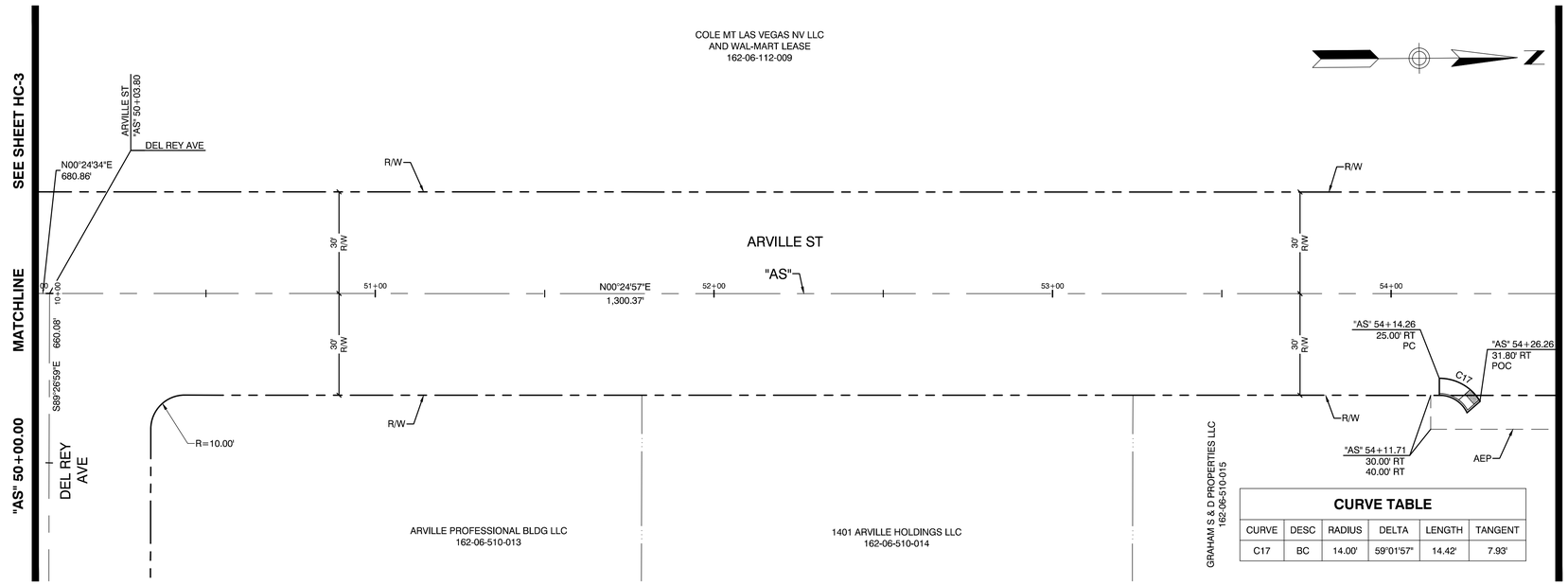
TITLE
SIDEWALK INFILL - ARVILLE STREET, VISTA DRIVE AND HINSON STREET

SHEET
HORIZONTAL CONTROL PLAN "AS" 41+00 TO "AS" 50+00

NEVADA PROFESSIONAL ENGINEER STATE OF NEVADA
TIMOTHY A. McCOY
Exp. 12/31/2017
No. 11511
CIVIL
4/25/17

SHEET
HC-3
7 OF 74
DRAWING NO.
107V 5837-4

F:\Projects\4004\12-5987\WG\Production\03-A1_HC01-HC10.dwg 5/15/2017 10:40:13 AM jjgutman



GRAPHIC SCALE
20 0 10 20 40
(IN FEET)

CALL BEFORE CONSTRUCTION

BEFORE YOU DIG	USA NORTH	811 OR 800-227-2600
BEFORE YOU UNDERGROUND	F.A.S.T.	702-432-5300
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	CITY OF LAS VEGAS T.E.F.O.	702-229-6611
BEFORE YOU OVERHEAD	NV ENERGY	702-227-2929

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DESIGNED BY: JFG
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CHECKED BY: TAM

H# 50168
DATE: 4/25/17
SUBMITTAL STAGE: FINAL

TITLE
SIDEWALK INFILL - ARVILLE STREET, VISTA DRIVE AND HINSON STREET

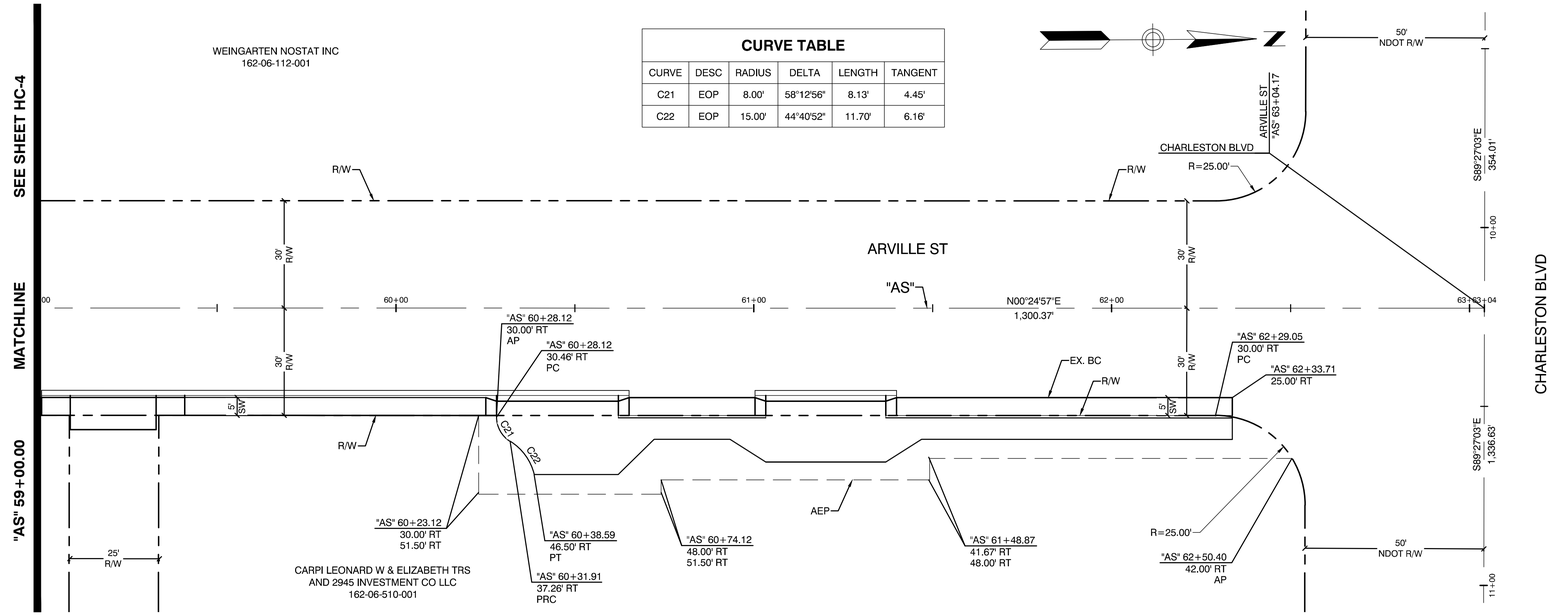
SHEET
HORIZONTAL CONTROL PLAN
"AS" 50+00 TO "AS" 59+00

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No. 11511
CIVIL
4/25/17

SHEET
HC-4
8 OF 74
DRAWING NO.
107V 5837-4

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CURVE TABLE					
CURVE	DESC	RADIUS	DELTA	LENGTH	TANGENT
C21	EOP	8.00'	58°12'56"	8.13'	4.45'
C22	EOP	15.00'	44°40'52"	11.70'	6.16'



GRAPHIC SCALE

20 0 10 20 40

(IN FEET)

CALL BEFORE CONSTRUCTION ⚠		
BEFORE YOU DIG	USA NORTH	811 OR 800-227-2600
BEFORE YOU UNDERGROUND	F.A.S.T.	702-432-5300
	CLARK COUNTY TRAFFIC OPERATIONS	702-455-7511
	CITY OF LAS VEGAS T.E.F.O.	702-229-6611
BEFORE YOU OVERHEAD	NV ENERGY	702-227-2929

NO.	DATE	REVISIONS

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CITY OF LAS VEGAS

H# 50168	BID# 17.50168		
DATE: 4/25/17	DESIGNED BY:	JFG	
SUBMITTAL STAGE: FINAL	DRAWN BY:	MVD	
	CHECKED BY:	TAM	

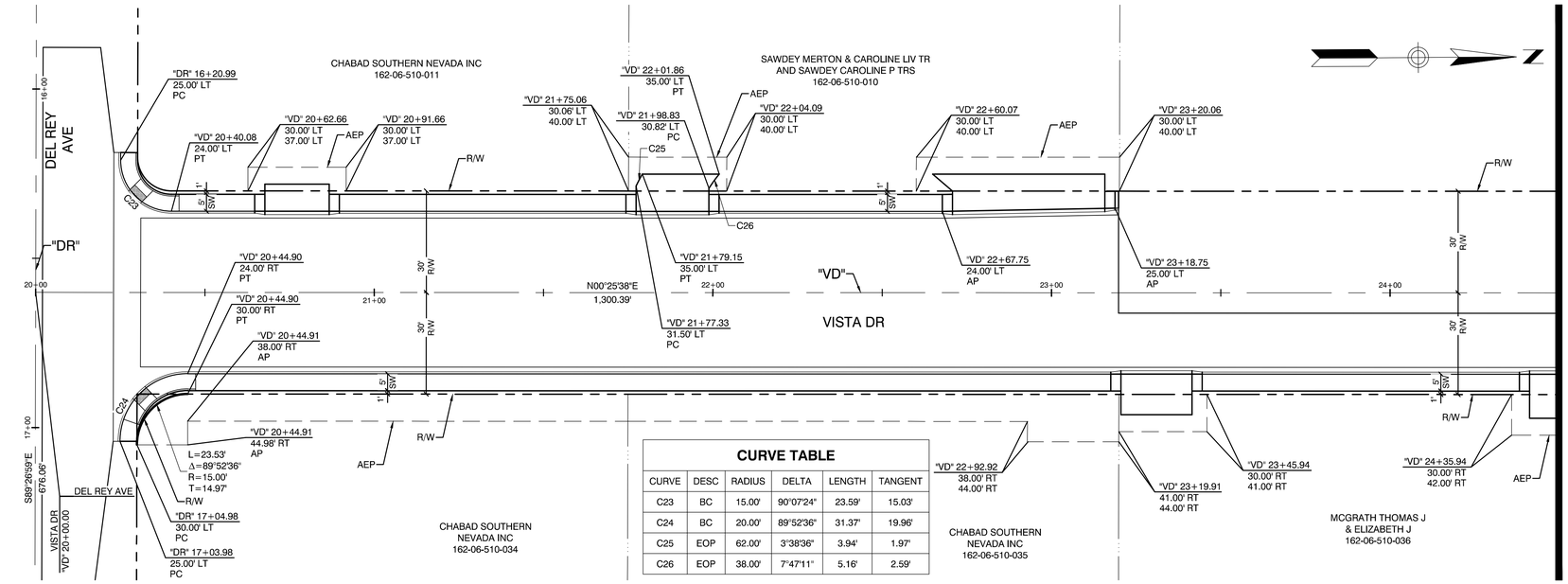
TITLE
SIDEWALK INFILL - ARVILLE STREET, VISTA DRIVE AND HINSON STREET

SHEET
HORIZONTAL CONTROL PLAN
"AS" 59+00 TO "AS" 63+04.17

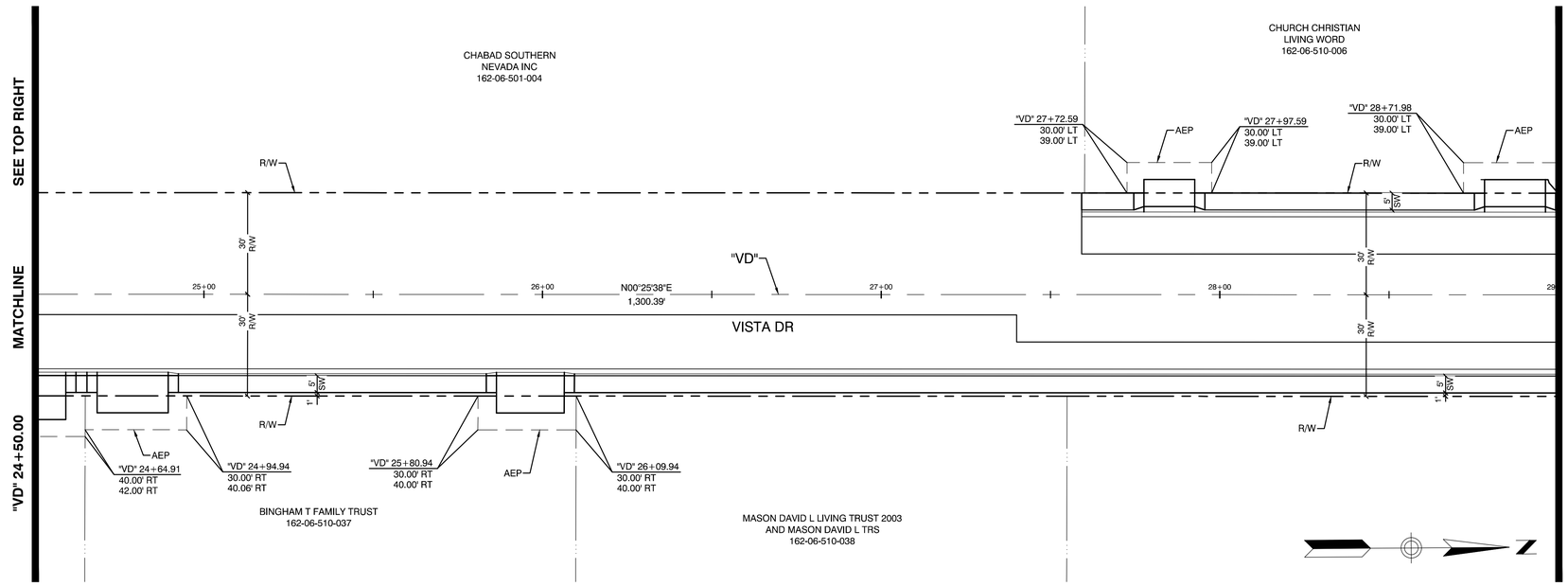
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Exp. 12/31/2017
CIVIL
No. 11511
4/25/17

SHEET
HC-5
9 OF 74
DRAWING NO.
107V 5837-4

F:\Projects\450413.666\GWG\Production\03-AM_HC01-HC10.dwg, 5/15/2017 10:49:27 AM, jgartrain



CURVE TABLE					
CURVE	DESC	RADIUS	DELTA	LENGTH	TANGENT
C23	BC	15.00'	90°07'24"	23.59'	15.03'
C24	BC	20.00'	89°52'36"	31.37'	19.96'
C25	EOP	62.00'	3°38'36"	3.94'	1.97'
C26	EOP	38.00'	7°47'11"	5.16'	2.59'



GRAPHIC SCALE
20 0 10 20 40
(IN FEET)

CALL BEFORE CONSTRUCTION

BEFORE YOU DIG	USA NORTH	811 OR 800-227-2600
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	CITY OF LAS VEGAS T.E.F.O.	702-229-6611
BEFORE YOU OVERHEAD	NV ENERGY	702-227-2929

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BID# 17-50168
H# 50168

DESIGNED BY: JFG
DRAWN BY: MVD
CHECKED BY: TAM

DATE: 4/25/17
SUBMITTAL STAGE: FINAL

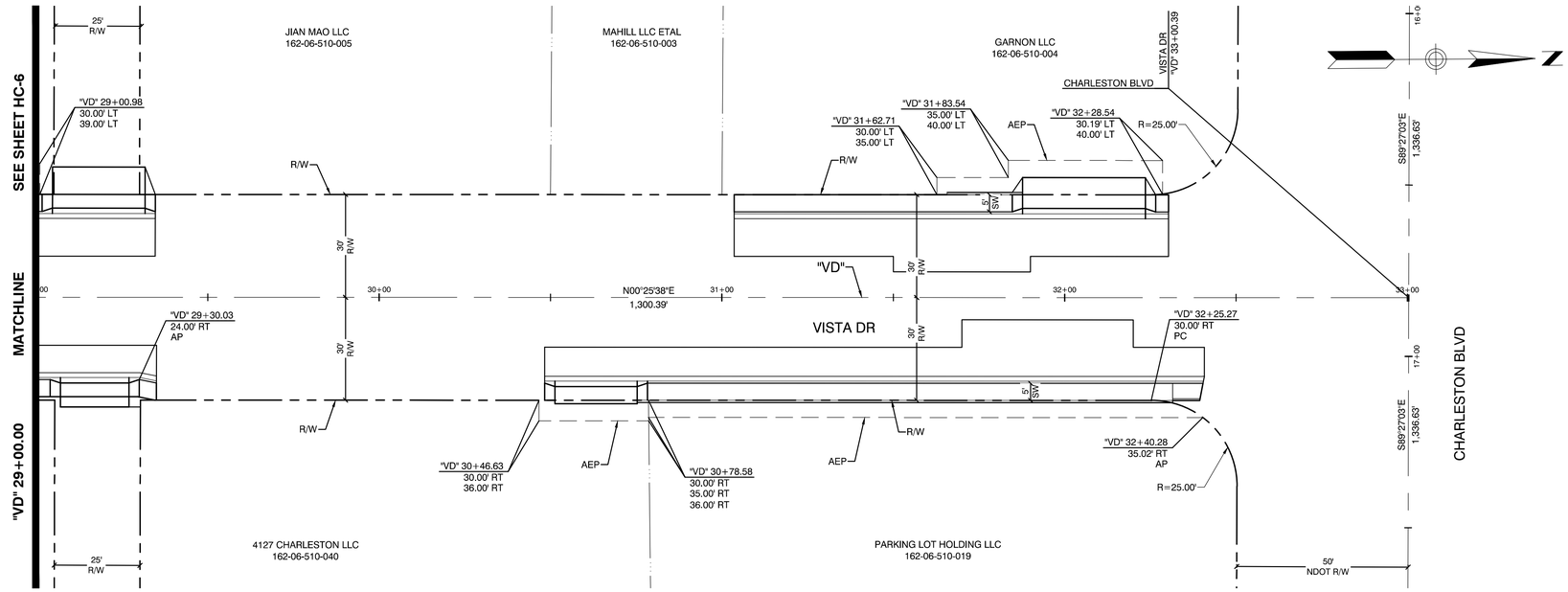
TITLE
SIDEWALK INFILL - ARVILLE STREET, VISTA DRIVE AND HINSON STREET

SHEET
HORIZONTAL CONTROL PLAN "VD" 20+00 TO "VD" 29+00

PROFESSIONAL ENGINEER STATE OF NEVADA
TIMOTHY A. McCOY
Exp. 12/31/2017
CIVIL
No. 11511
4/25/17

SHEET
HC-6
10 OF 74
DRAWING NO.
107V 5837-4

F:\Projects\40042-68\DWG\Production\03-A1_HC01-HC10.dwg 5/15/2017 10:40:32 AM jtgarman



GRAPHIC SCALE

20 0 10 20 40

(IN FEET)

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	CITY OF LAS VEGAS T.E.F.O.	702-229-6611
BEFORE YOU OVERHEAD	NV ENERGY	702-227-2929

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CITY OF LAS VEGAS

H# 50168 | BID# 17-50168
DATE: 4/25/17 | DESIGNED BY: JFG
SUBMITTAL STAGE: **FINAL** | DRAWN BY: MVD
CHECKED BY: TAM

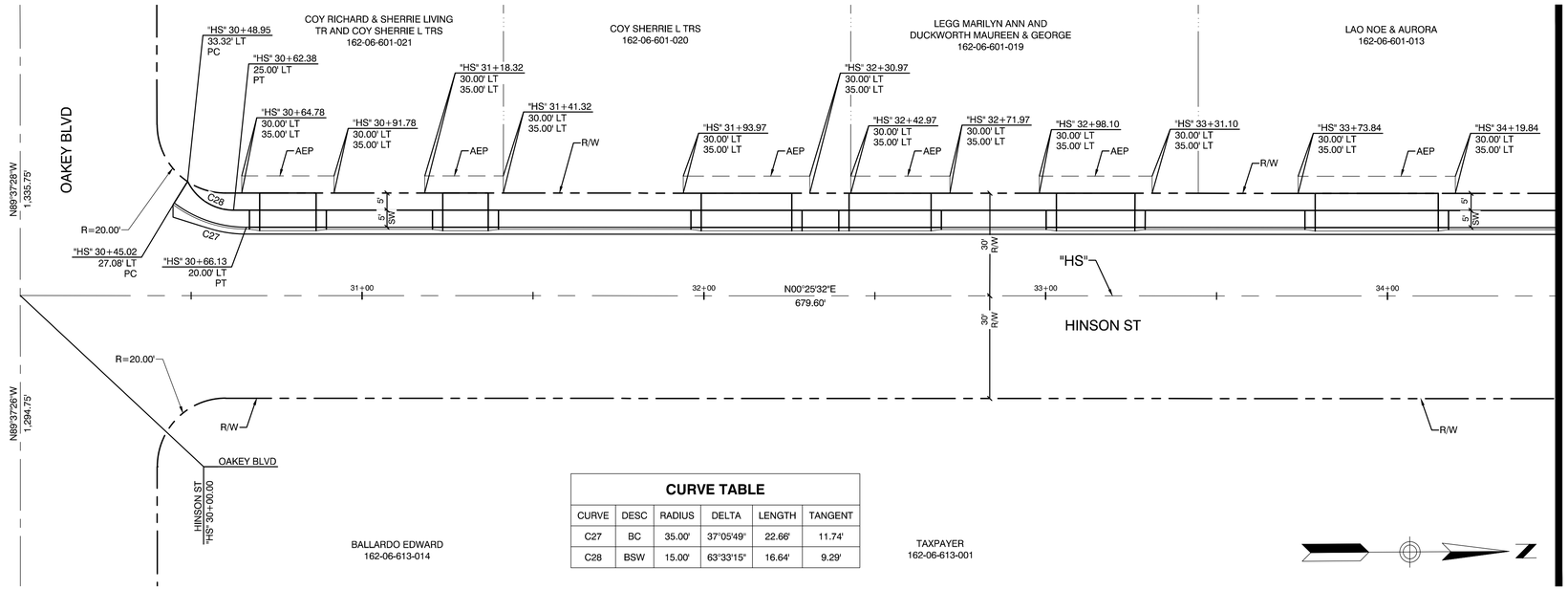
TITLE
SIDEWALK INFILL - ARVILLE STREET, VISTA DRIVE AND HINSON STREET

SHEET
HORIZONTAL CONTROL PLAN "VD" 29+00 TO "VD" 33+00.39

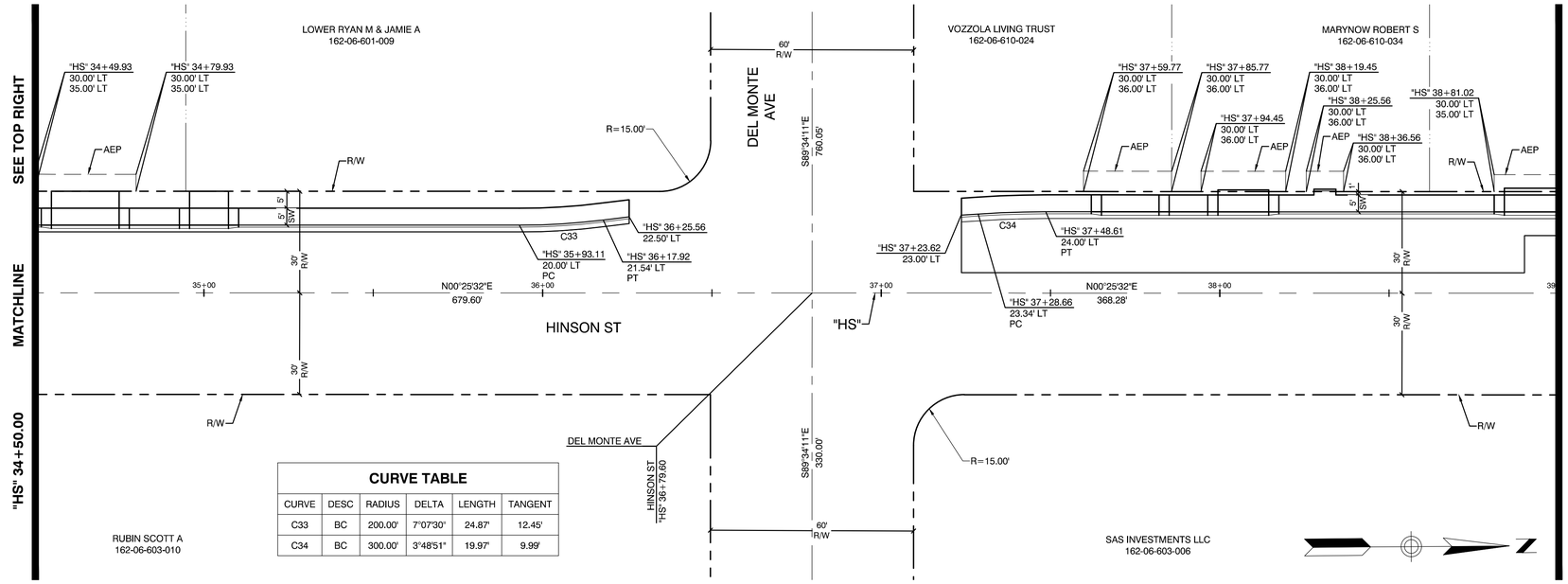
PROFESSIONAL ENGINEER - STATE OF NEVADA
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Exp. 12/31/2017
CIVIL
No. 11511
4/25/17

SHEET
HC-7
11 OF 74
DRAWING NO.
107V 5837-4

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CURVE TABLE					
CURVE	DESC	RADIUS	DELTA	LENGTH	TANGENT
C27	BC	35.00'	37°05'49"	22.66'	11.74'
C28	BSW	15.00'	63°33'15"	16.64'	9.29'



CURVE TABLE					
CURVE	DESC	RADIUS	DELTA	LENGTH	TANGENT
C33	BC	200.00'	7°07'30"	24.87'	12.45'
C34	BC	300.00'	3°48'51"	19.97'	9.99'

GRAPHIC SCALE
20 0 10 20 40
(IN FEET)

CALL BEFORE CONSTRUCTION

BEFORE YOU DIG	USA NORTH	811 OR 800-227-2600
BEFORE YOU UNDERGROUND	F.A.S.T.	702-432-5300
	CLARK COUNTY TRAFFIC OPERATIONS	702-455-7511
	CITY OF LAS VEGAS T.E.F.O.	702-229-6611
BEFORE YOU OVERHEAD	NV ENERGY	702-227-2929

NO.	DATE	REVISIONS

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CITY OF LAS VEGAS

BID# 17-50168
H# 50168
DESIGNED BY: JFG
DRAWN BY: MGE
CHECKED BY: TAM
DATE: 4/25/17
SUBMITTAL STAGE: FINAL

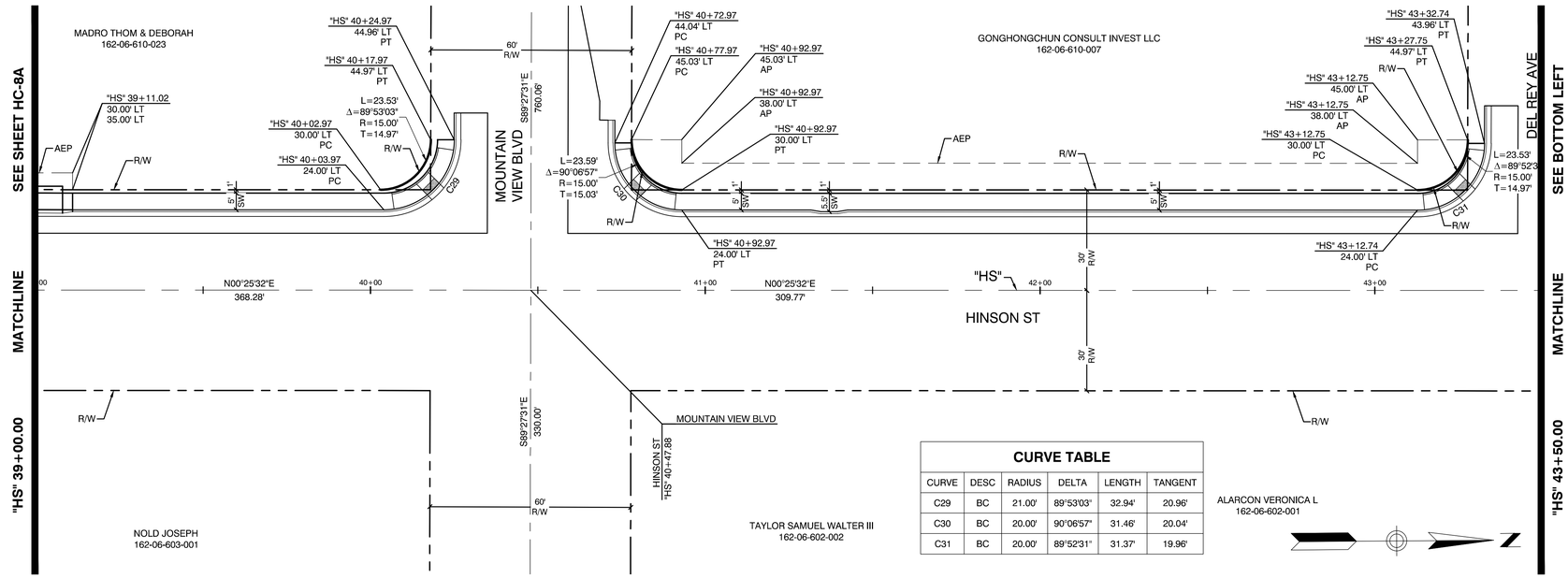
TITLE
SIDEWALK INFILL - ARVILLE STREET, VISTA DRIVE AND HINSON STREET

SHEET
HORIZONTAL CONTROL PLAN
"HS" 30+00 TO "HS" 39+00 (ADD/ALT)

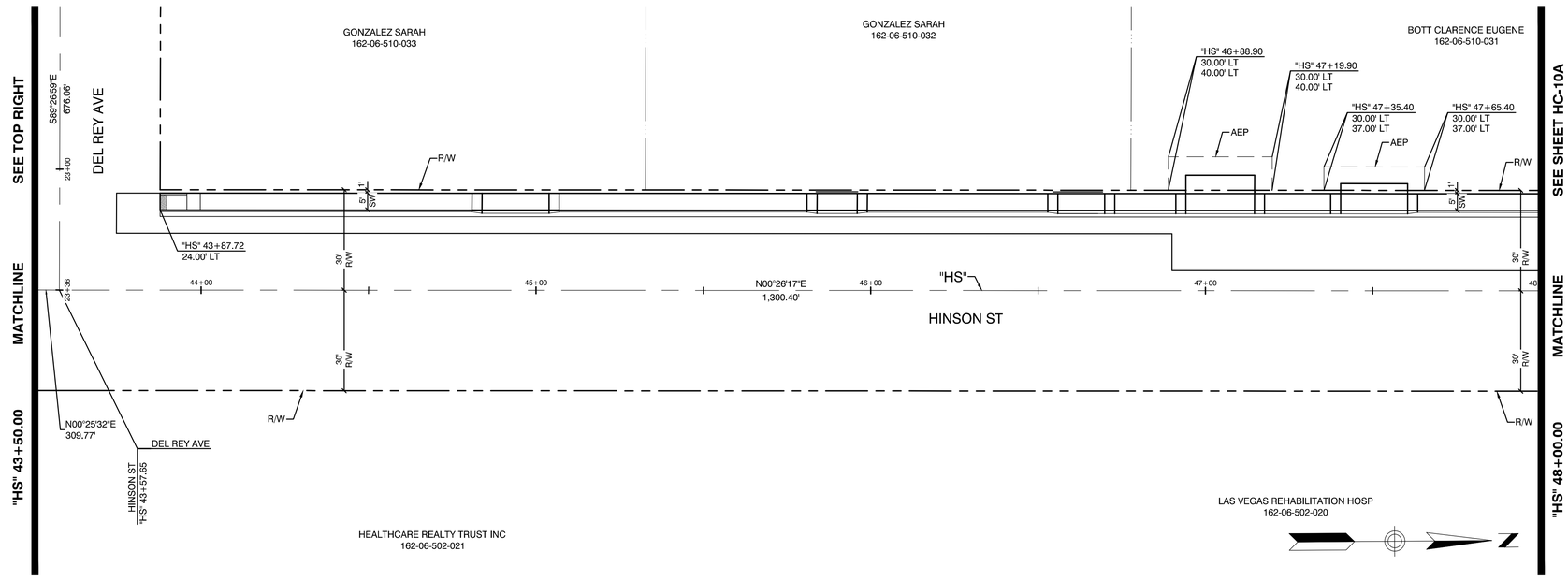
PROFESSIONAL ENGINEER - STATE OF NEVADA
TIMOTHY A. McCOY
Exp. 12/31/2017
CIVIL
No. 11511
4/25/17

SHEET
HC-8A
12 OF 74
DRAWING NO.
107V 5837-4

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CURVE TABLE					
CURVE	DESC	RADIUS	DELTA	LENGTH	TANGENT
C29	BC	21.00'	89°53'03"	32.94'	20.96'
C30	BC	20.00'	90°06'57"	31.46'	20.04'
C31	BC	20.00'	89°52'31"	31.37'	19.96'



CALL BEFORE CONSTRUCTION		
BEFORE YOU DIG	USA NORTH	811 OR 800-227-2600
BEFORE YOU UNDERGROUND	F.A.S.T.	702-432-5300
	CLARK COUNTY TRAFFIC OPERATIONS	702-455-7511
	CITY OF LAS VEGAS T.E.F.O.	702-229-6611
BEFORE YOU OVERHEAD	NV ENERGY	702-227-2929

GRAPHIC SCALE
20 0 10 20 40
(IN FEET)

NO.	DATE	REVISIONS

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CITY OF LAS VEGAS

BID# 17-50168
H# 50168
DESIGNED BY: JFG
DRAWN BY: MVD
CHECKED BY: TAM
DATE: 4/25/17
SUBMITTAL STAGE: FINAL

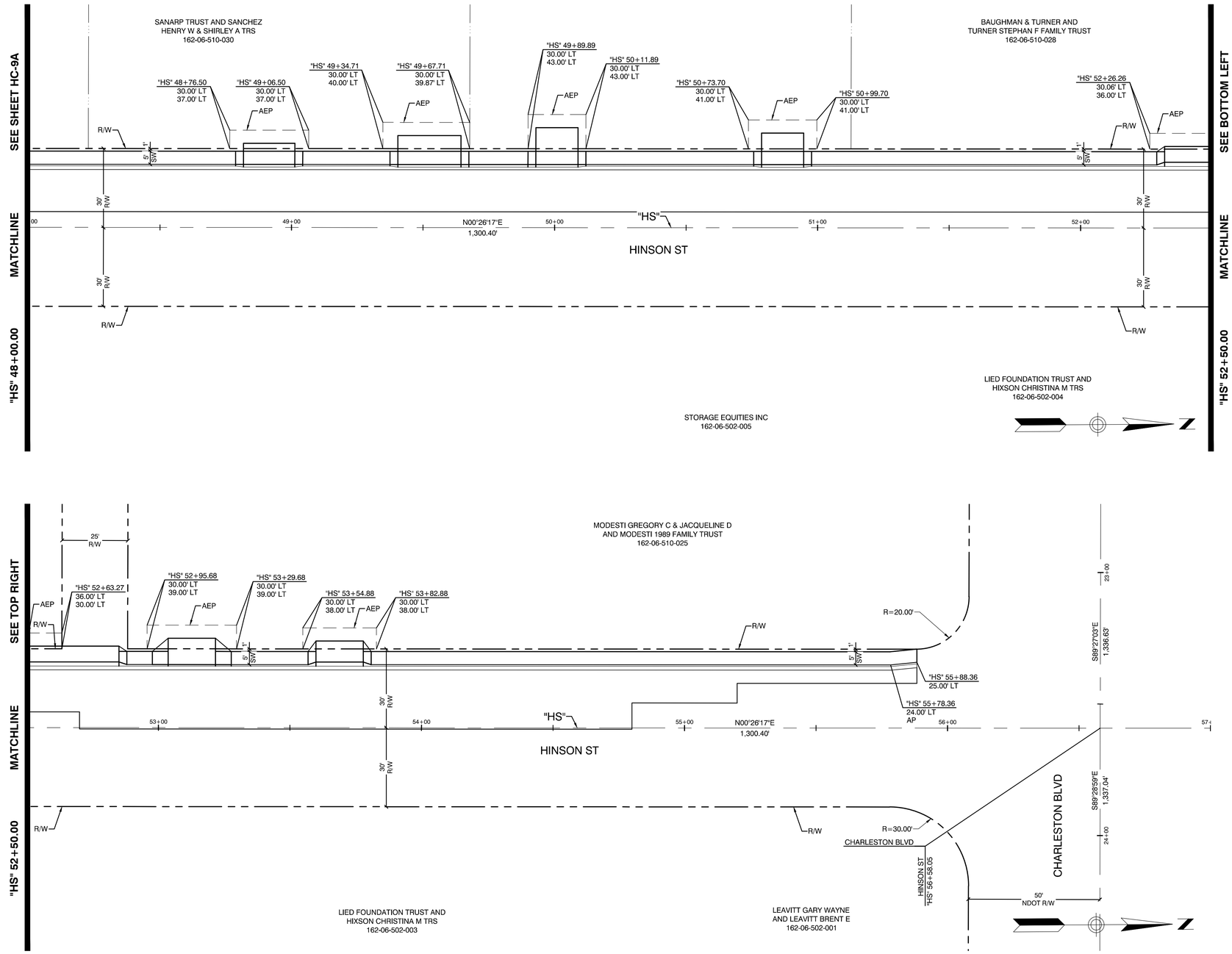
TITLE
SIDEWALK INFILL - ARVILLE STREET, VISTA DRIVE AND HINSON STREET

SHEET
HORIZONTAL CONTROL PLAN
"HS" 39+00 TO "HS" 48+00 (ADD/ALT)

PROFESSIONAL ENGINEER - STATE OF NEVADA
TIMOTHY A. McCOY
Exp. 12/31/2017
CIVIL
No. 11511
4/25/17

SHEET
HC-9A
13 OF 74
DRAWING NO.
107V 5837-4

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GRAPHIC SCALE

20 0 10 20 40

(IN FEET)

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BEFORE YOU UNDERGROUND	F.A.S.T.	702-432-5300
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	CITY OF LAS VEGAS T.E.F.O.	702-229-6611
BEFORE YOU OVERHEAD	NV ENERGY	702-227-2929

NO.	DATE	REVISIONS

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CITY OF LAS VEGAS

BID# 17-50168 | DESIGNED BY: JFG
H# 50168 | DRAWN BY: MVD
DATE: 4/25/17 | CHECKED BY: TAM
SUBMITTAL STAGE: FINAL

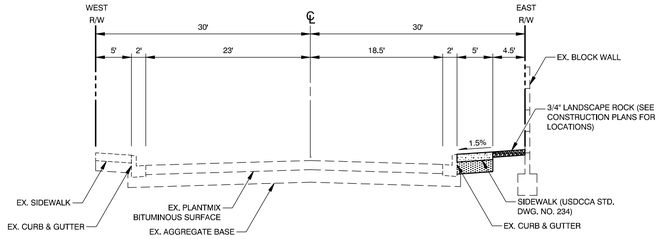
TITLE
SIDEWALK INFILL - ARVILLE STREET, VISTA DRIVE AND HINSON STREET

SHEET
HORIZONTAL CONTROL PLAN
"HS" 48+00 TO "HS" 56+58.05 (ADD/ALT)

PROFESSIONAL ENGINEER STATE OF NEVADA
TIMOTHY A. McCOY
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No. 11511
4/25/17

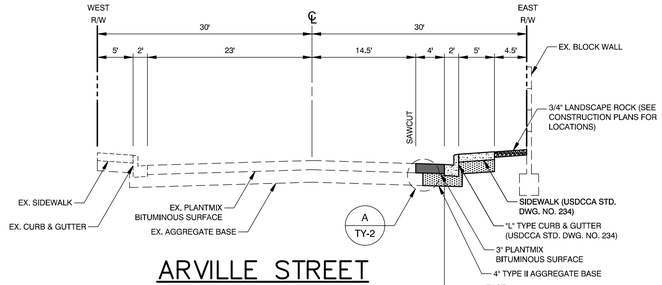
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HC-10A
14 OF 74
DRAWING NO.
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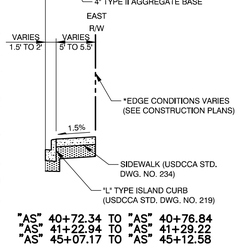
ARVILLE STREET

"AS" 10+95.51 TO "AS" 19+68.62

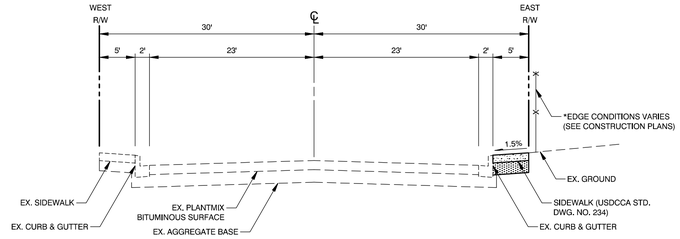


ARVILLE STREET

"AS" 19+68.62 TO "AS" 19+74.88
"AS" 20+45.88 TO "AS" 20+52.17
"AS" 40+50.84 TO "AS" 40+52.84
"AS" 40+72.34 TO "AS" 40+76.84
"AS" 41+22.94 TO "AS" 41+29.22
"AS" 43+56.96 TO "AS" 43+66.02
"AS" 45+07.17 TO "AS" 45+12.58
"AS" 46+56.10 TO "AS" 46+63.74
"AS" 49+53.91 TO "AS" 49+69.71
"AS" 56+14.60 TO "AS" 56+20.79
"AS" 56+64.93 TO "AS" 56+71.20
"AS" 59+40.97 TO "AS" 60+25.12

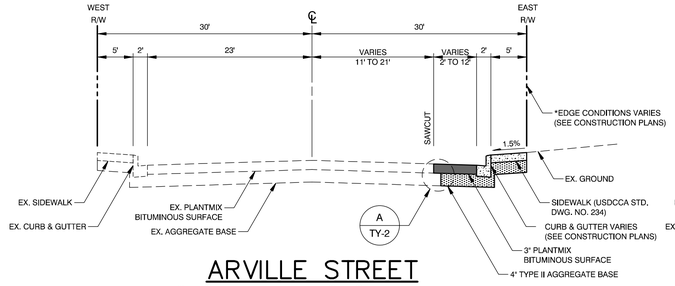


"AS" 40+72.34 TO "AS" 40+76.84
"AS" 41+22.94 TO "AS" 41+29.22
"AS" 45+07.17 TO "AS" 45+12.58



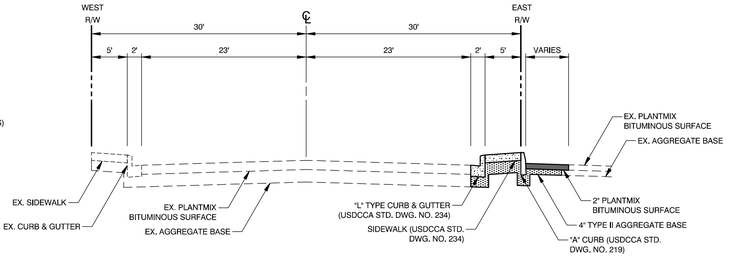
ARVILLE STREET

"AS" 40+76.84 TO "AS" 41+01.94
"AS" 41+29.22 TO "AS" 42+81.16
"AS" 43+66.02 TO "AS" 44+31.02
"AS" 44+53.02 TO "AS" 44+87.67
"AS" 45+12.58 TO "AS" 45+79.67
"AS" 46+00.67 TO "AS" 46+56.10
"AS" 47+31.52 TO "AS" 48+48.60
"AS" 48+82.60 TO "AS" 49+24.91
"AS" 55+70.42 TO "AS" 56+14.60



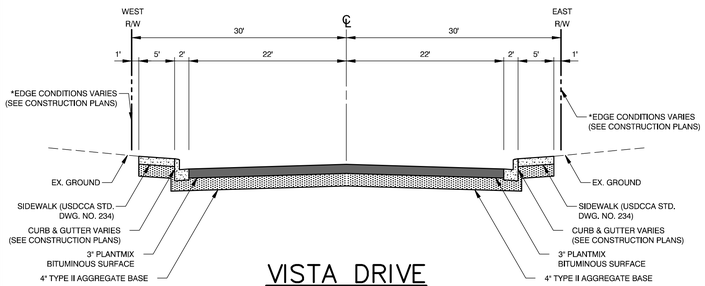
ARVILLE STREET

"AS" 42+81.16 TO "AS" 42+88.44
"AS" 47+29.23 TO "AS" 47+31.52
"AS" 54+67.84 TO "AS" 54+71.21
"AS" 54+91.21 TO "AS" 55+41.92



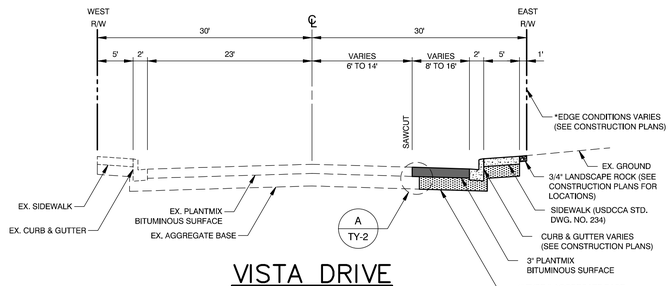
ARVILLE STREET

"AS" 60+65.12 TO "AS" 61+00.37
"AS" 61+39.87 TO "AS" 62+33.71



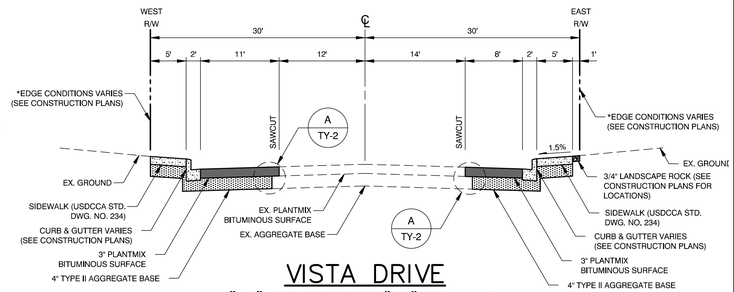
VISTA DRIVE

"VD" 20+40.08 TO "VD" 23+19.82



VISTA DRIVE

"VD" 23+19.82 TO "VD" 27+59.23
"VD" 29+34.66 TO "VD" 29+35.03



VISTA DRIVE

"VD" 27+59.23 TO "VD" 29+34.66

NO.	DATE	REVISIONS

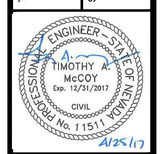
PREPARED BY
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ENGINEERS \ SURVEYORS gcwengineemg.com

PREPARED FOR
CITY OF LAS VEGAS

H# 50168	BID# 17-50168	DESIGNED BY: FJG	
DATE: 4/25/17	SUBMITTAL STAGE: FINAL	DRAWN BY: MVD	CHECKED BY: TAM

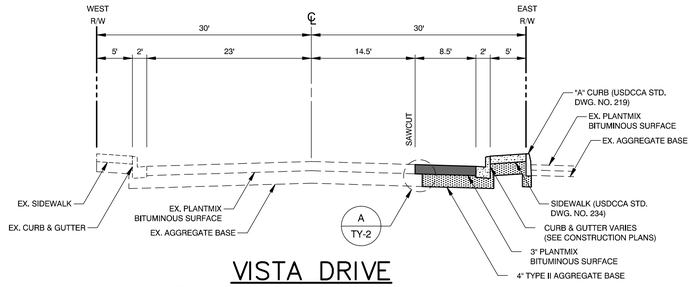
TITLE
SIDEWALK INFILL - ARVILLE STREET, VISTA DRIVE AND HINSON STREET

SHEET
TYPICAL SECTIONS



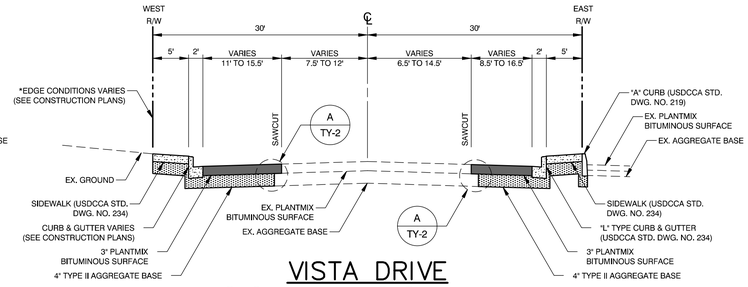
SHEET
TY-1
15 OF 74
DRAWING NO.
107V 5837-4

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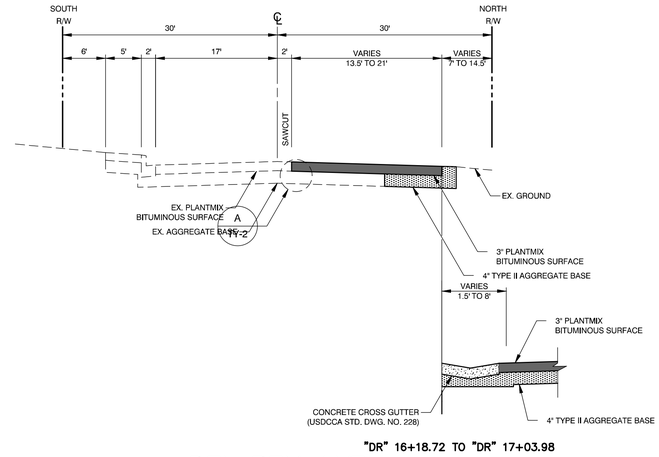
VISTA DRIVE

"VD" 30+48.30 TO "VD" 31+03.56
"VD" 32+30.30 TO "VD" 32+40.78



VISTA DRIVE

"VD" 31+03.56 TO "VD" 32+30.30



"DR" 16+18.72 TO "DR" 17+03.98

DEL REY AVE

"DR" 15+87.72 TO "DR" 17+62.49



HINSON STREET (ADD/ALT)

"HS" 30+66.13 TO "HS" 36+25.56



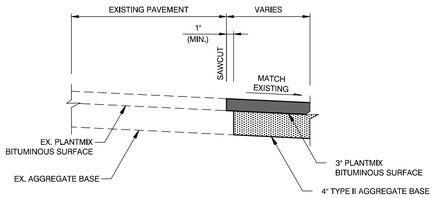
HINSON STREET (ADD/ALT)

"HS" 37+23.69 TO "HS" 40+03.97
"HS" 40+92.97 TO "HS" 43+12.74
"HS" 43+87.72 TO "HS" 52+70.00
"HS" 54+80.00 TO "HS" 55+88.36



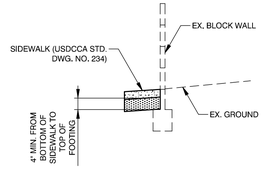
HINSON STREET (ADD/ALT)

"HS" 52+70.00 TO "HS" 54+80.00

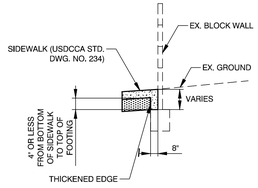


DETAIL "A"

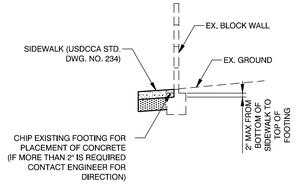
PAVEMENT WIDENING



4" MIN. CLEARANCE OVER FOOTING



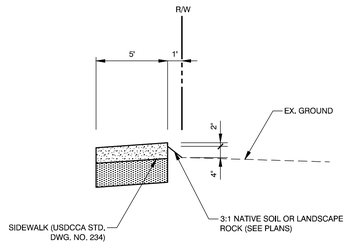
4" OR LESS CLEARANCE OVER FOOTING



SIDEWALK CONFLICTS WITH FOOTING

DETAIL "B"

SIDEWALK AT EXISTING BLOCK WALL FOOTING



DETAIL "C"

BACK OF SIDEWALK DETAIL

NO.	DATE	REVISIONS

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gcwengineering.com

PREPARED FOR
CITY OF LAS VEGAS

BID# 17-50168	DESIGNED BY:	FJG	
H# 50168	DRAWN BY:	MVD	
DATE: 4/25/17	CHECKED BY:	TAM	
SUBMITTAL STAGE: FINAL			

TITLE
SIDEWALK INFILL - ARVILLE STREET, VISTA DRIVE AND HINSON STREET
TYPICAL SECTIONS

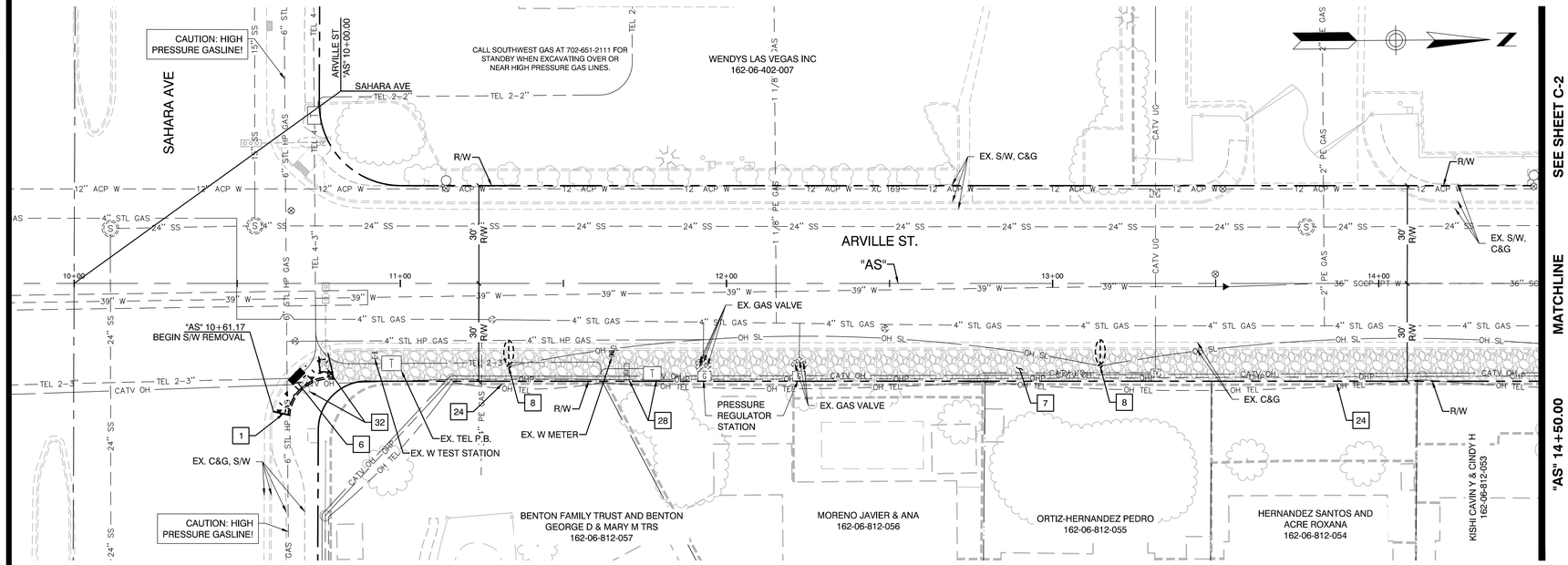
SHEET

PROFESSIONAL ENGINEER – STATE OF NEVADA
TIMOTHY A. McCOY
Exp. 12/31/2017
CIVIL
No. 11511
4/25/17

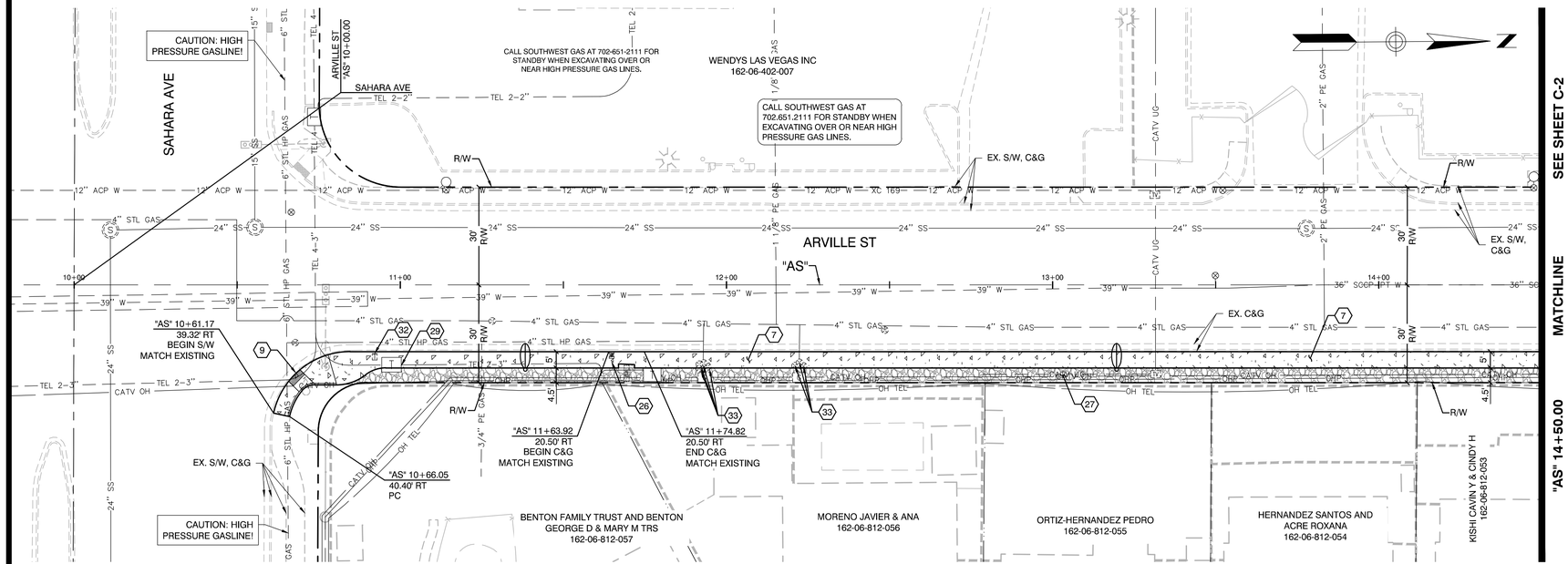
SHEET
TY-2
16 OF 74

DRAWING NO.
107V 5837-4

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DEMOLITION PLAN



CONSTRUCTION PLAN

LVVWD NOTE:
PROTECT IN PLACE AND ADJUST LVVWD EXISTING FACILITIES TO FINISHED GRADE.
ALL LVVWD FACILITIES SHALL BE ACCESSIBLE AT ALL TIMES.

LEGEND

- REMOVE/CONSTRUCT PLANTMIX BITUMINOUS SURFACE (SEE TYPICAL SECTIONS FOR PAVEMENT SECTION)
- REMOVE/CONSTRUCT CONCRETE
- REMOVE/INSTALL LANDSCAPING ROCK

APPROVED FOR CONSTRUCTION

SIGNED BY MIKE DISHARI ON 4/19/17 FOR DJM (SEE ORIGINAL MYLAR)

LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER

DATE: PROJECT# 123892

GRAPHIC SCALE

20 0 10 20 40

(IN FEET)

CALL BEFORE CONSTRUCTION

BEFORE YOU DIG	USA NORTH	811 OR 800-227-2600
BEFORE YOU UNDERGROUND	F.A.S.T.	702-432-5300
	CLARK COUNTY TRAFFIC OPERATIONS	702-455-7511
	CITY OF LAS VEGAS T.E.F.O.	702-229-6611
BEFORE YOU OVERHEAD	NV ENERGY	702-227-2929

DEMOLITION NOTES

1	SAWCUT & MATCH EXISTING
2	REMOVE BITUMINOUS SURFACE AND AGGREGATE BASE
3	REMOVE CONCRETE CURB & GUTTER
4	REMOVE CONCRETE CURB
5	REMOVE CONCRETE MEDIAN
6	REMOVE CONCRETE SIDEWALK AND/OR DRIVEWAY
7	REMOVE LANDSCAPING ROCK
8	REMOVE STREET LIGHT POLE (SEE LIGHTING PLANS)
9	REMOVE & RELOCATE POWER POLE (BY NV ENERGY)
10	REMOVE & RELOCATE GAS VALVE (BY SWG)
11	PROTECT GAS LINE IN-PLACE
12	REMOVE CHAIN-LINK, WROUGHT IRON OR METAL FENCE & GATES & SALVAGE FOR RE-USE
13	REMOVE CHAIN-LINK, WROUGHT IRON OR METAL FENCE & GATES & DISPOSE (SUB-STANDARD FENCING)
14	REMOVE CONCRETE/CMU WALL
15	REMOVE CONCRETE CROSS GUTTER AND/OR SPANDREL
16	REMOVE FIRE HYDRANT & RELOCATE (UDACS PLATE # 40)
17	REMOVE/TRIM TREE/STUMP/BUSH AS REQUIRED FOR PROPOSED IMPROVEMENT INSTALLATION AS DIRECTED BY ENGINEER
18	REFER TO SPECIAL PROVISION SECTIONS 212 & 213 FOR LANDSCAPE AND IRRIGATION PROTECTION, REMOVAL & RESTORATION
19	RELOCATE BOULDER
20	REMOVE BOLLARD
21	REMOVE DROP INLET (SEE DETAILED GRADING PLANS)
22	REMOVE GUY WIRE (BY NV ENERGY)
23	PROTECT CHAIN-LINK, WOOD, WROUGHT IRON OR METAL FENCE & GATES IN-PLACE
24	PROTECT CONCRETE/CMU BLOCK WALL IN-PLACE
25	PROTECT CONCRETE CROSS GUTTER IN-PLACE
26	PROTECT FIRE HYDRANT IN-PLACE
27	REMOVE WATER METER BOXES
28	PROTECT PULLBOX AND UTILITY (COX, CENTURYLINK, NV ENERGY, TRAFFIC SIGNAL, STREET LIGHT)
29	PROTECT AVAR
30	PROTECT UTILITY POLE AND/OR GUY WIRE IN-PLACE
31	PROTECT PULLBOX IN-PLACE
32	PROTECT SIGNAL AND/OR PED POLE
33	PROTECT MAILBOX IN PLACE
34	PROTECT DROP INLET
35	REMOVE 6" WATER LINE
36	RELOCATE MAILBOX 6" MIN BEHIND PROPOSED BACK OF SIDEWALK
37	PROTECT GAS VALVE IN PLACE
38	PROTECT WATER TEST STATION

CONSTRUCTION NOTES

1	CONSTRUCT PLANTMIX BITUMINOUS SURFACE OVER TYPE II AGGREGATE BASE (SEE TYPICAL SECTIONS)
2	CONSTRUCT CONCRETE "L" TYPE CURB & GUTTER (USDCCA STD. DWG. NO. 216)
3	CONSTRUCT CONCRETE "A" TYPE CURB & GUTTER (USDCCA STD. DWG. NO. 219)
4	CONSTRUCT CONCRETE "R" TYPE CURB & GUTTER (USDCCA STD. DWG. NO. 217.S2)
5	CONSTRUCT CURB TRANSITION (SEE DETAIL B, SHEET C-19)
6	CONSTRUCT CONCRETE CROSS GUTTER AND/OR SPANDREL (USDCCA STD. DWG. NO. 228)
7	CONSTRUCT CONCRETE SIDEWALK (WIDTH VARIES)(USDCCA STD. DWG. NO. 234)
8	CONSTRUCT SIDEWALK DRAIN (USDCCA STD. DWG. NO. 236)
9	CONSTRUCT SIDEWALK RAMP - CASE I WITH TACTILE WARNING PANEL (USDCCA STD. DWG. NO 235)
10	CONSTRUCT MODIFIED SIDEWALK RAMP - CASE I WITH TACTILE WARNING PANEL (USDCCA STD. DWG. NO 235)(SEE DETAIL C, SHEET C-19)
11	INSTALL TACTILE WARNING PANEL (USDCCA STD. DWG. NO. 235)
12	CONSTRUCT CONCRETE RESIDENTIAL DRIVEWAY (USDCCA STD. DWG. NO. 223)
13	CONSTRUCT CONCRETE COMMERCIAL DRIVEWAY (OPTION A) (USDCCA STD. DWG. NO. 224)
14	CONSTRUCT CONCRETE COMMERCIAL DRIVEWAY (OPTION C) (USDCCA STD. DWG. NO. 226.S1)
15	CONSTRUCT DEPRESSED ALLEY DRIVEWAY (USDCCA STD. DWG. NO. 227.S1)
16	CONSTRUCT BLOCK RETAINING WALL (SEE SOUTHERN NEVADA BUILDING REGIONAL STANDARDS B-100-1)
17	CONSTRUCT CMU WALL (SEE SOUTHERN NEVADA BUILDING REGIONAL STANDARDS B-100-2)
18	REMOVE EXISTING 6" CIP AND RECONNECT FIRE HYDRANT WITH ALL PVC
19	INSTALL SALVAGED CHAIN-LINK FENCE & GATES. (FOUNDATIONS PER USDCCA STD. DWG. NO. 252 & 253)
20	INSTALL CHAIN-LINK FENCE & GATES (MATCH EXISTING) (USDCCA STD. DWG. NO. 252 & 253)
21	RESET EXISTING FIRE HYDRANT ON NEW CONCRETE PAD (UDACS PLATE # 40)
22	ADJUST EXISTING PULLBOX TO FINISHED GRADE (USDCCA STD. DWG. NO. 328)
23	ADJUST EXISTING VALVE BOX TO FINISHED GRADE W/ CONCRETE COLLAR (UDACS PLATE #39). VALVE BOX SHALL BE ACCESSIBLE AT ALL TIMES.
24	RELOCATE AVAR (UDACS PLATE NO. 38)
25	ADJUST SANITARY SEWER MANHOLE TO FINISHED GRADE (DCSWCS DRAWINGS SD-2, SD-4, AND SD-5)
26	ADJUST EXISTING WATER METER BOX TO FINISHED GRADE (UDACS PLATE #4) (SEE DETAIL A, SHEET C-21)
27	INSTALL 1" LANDSCAPING ROCK (APACHE RED)
28	CONSTRUCT MONOLITHIC CURB AT BACK OF SIDEWALK TO MATCH NEW SIDEWALK (SEE DETAIL A, SHEET C-19)
29	ADJUST PULLBOX, (BY CENTURYLINK)
30	ADJUST WATER MANHOLE TO FINISHED GRADE (LVVWD DESIGN STD. PL08-4, ACAD STD.) (SEE DETAIL D, SHEET C-19)
31	ADJUST STORM DRAIN MANHOLE TO FINISHED GRADE (USDCCA STD. DWG. NO. 408)
32	RELOCATE WATER TEST STATION TO FINISH GRADE (SEE DETAIL A SHEET A, SHEET C-20)
33	GAS VALVES TO BE ADJUSTED (BY SW GAS)
34	RELOCATE EXISTING WATER METER BOX TO FINISHED GRADE (UDACS PLATE #4)
35	CONSTRUCT CONCRETE "L" TYPE ISLAND CURB (USDCCA STD. DWG. NO. 219)

NOTES:
1. SEE L-SHEETS FOR STREETLIGHT & STREETLIGHT PULLBOX REMOVALS.
2. SEE ST-SHEETS FOR SIGN REMOVALS.
3. SEE HORIZONTAL CONTROL PLANS FOR GEOMETRY.
4. DIMENSIONS ARE TO CONTROL LINE, BACK OF CURB, BACK OF SIDEWALK AND/OR EDGE OF PAVEMENT, UNLESS OTHERWISE NOTED.

NO.	DATE	REVISIONS

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gcwengineering.com

PREPARED FOR
CITY OF LAS VEGAS

BID# 17-50168
H# 50168

DESIGNED BY: JFG
DRAWN BY: MVD
CHECKED BY: TAM

DATE: 4/25/17
SUBMITTAL STAGE: FINAL

TITLE
SIDEWALK INFILL - ARVILLE STREET, VISTA DRIVE AND HINSON STREET

SHEET
DEMOLITION & CONSTRUCTION PLAN
"AS" 10+00 TO "AS" 14+50

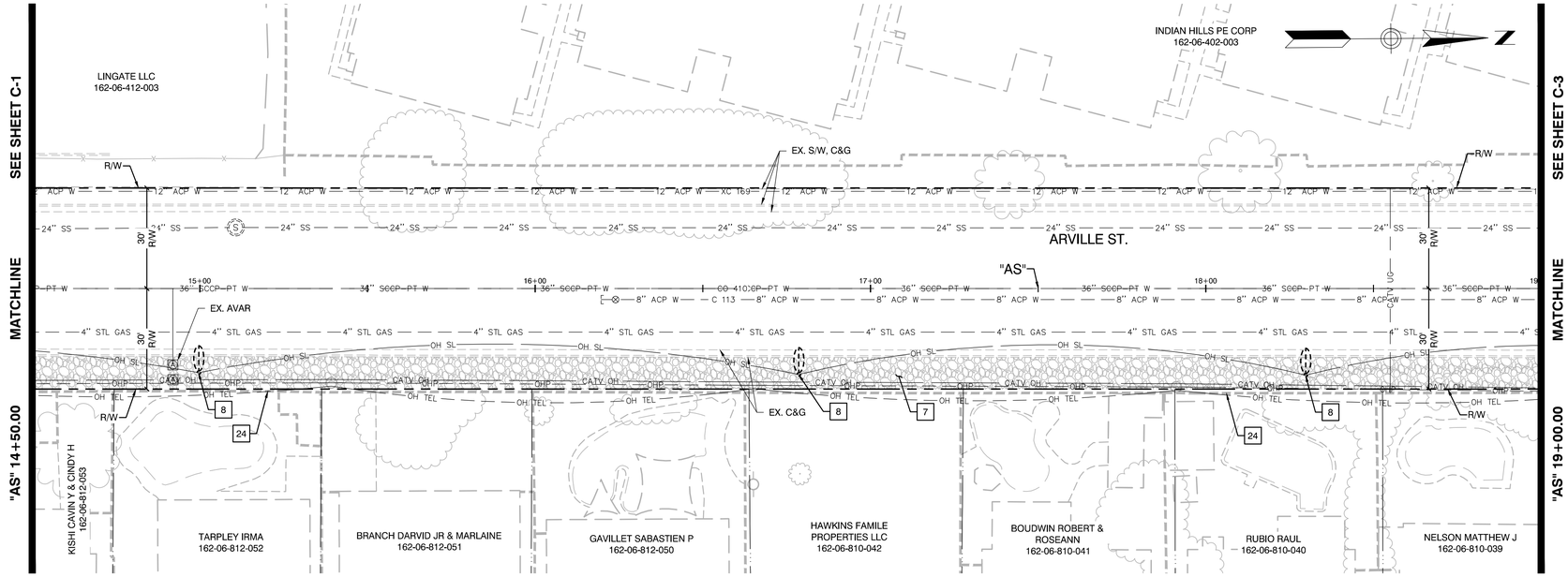
PROFESSIONAL ENGINEER - STATE OF NEVADA
TIMOTHY A. McCOY
Exp. 12/31/2017
CIVIL
No. 11511
4/25/17

SHEET
C-1
17 OF 74

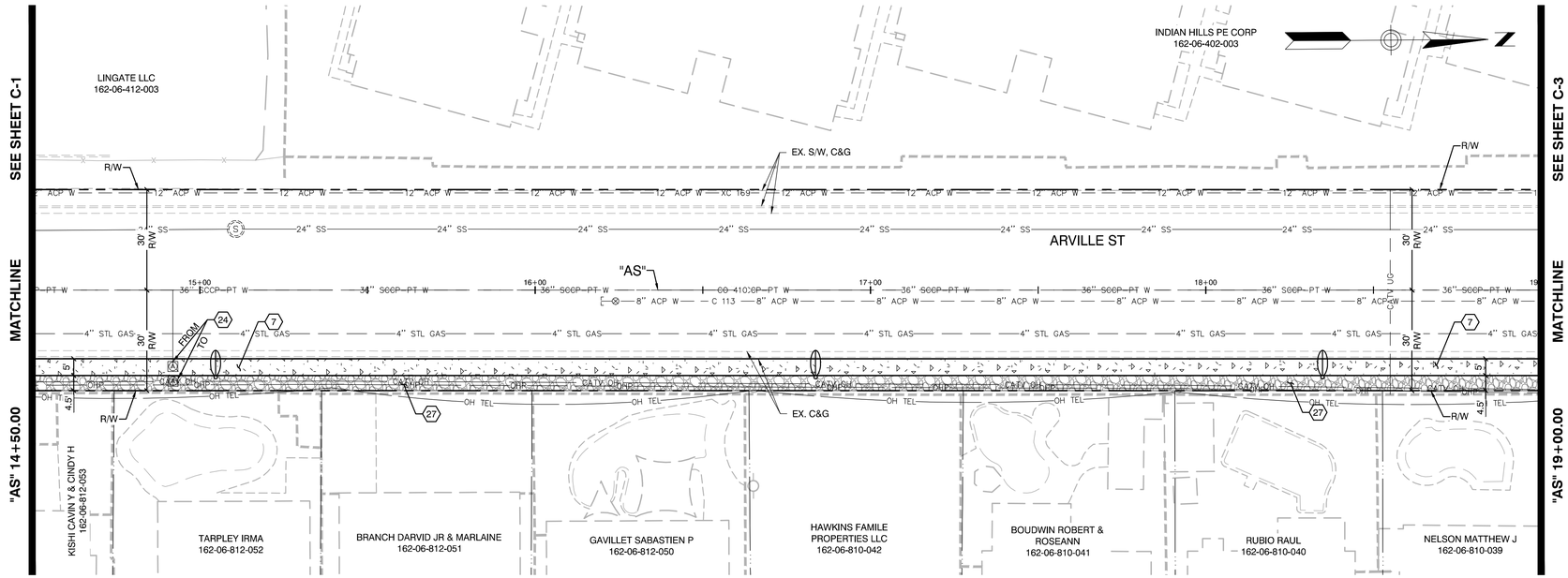
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DEMOLITION PLAN



CONSTRUCTION PLAN

LVVWD NOTE:
PROTECT IN PLACE AND ADJUST LVVWD EXISTING FACILITIES TO FINISHED GRADE.
ALL LVVWD FACILITIES SHALL BE ACCESSIBLE AT ALL TIMES.

LEGEND

- REMOVE/CONSTRUCT PLANTMIX BITUMINOUS SURFACE (SEE TYPICAL SECTIONS FOR PAVEMENT SECTION)
- REMOVE/CONSTRUCT CONCRETE
- REMOVE/INSTALL LANDSCAPING ROCK

APPROVED FOR CONSTRUCTION

SIGNED BY MIKE DISHARI ON 4/19/17 FOR DJM (SEE ORIGINAL MYLAR)

LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER

DATE: PROJECT# 123892

GRAPHIC SCALE

20 0 10 20 40

(IN FEET)

CALL BEFORE CONSTRUCTION

BEFORE YOU DIG	USA NORTH	811 OR 800-227-2600
BEFORE YOU UNDERGROUND	F.A.S.T.	702-432-5300
	CLARK COUNTY TRAFFIC OPERATIONS	702-455-7511
	CITY OF LAS VEGAS T.E.F.O.	702-229-6611
BEFORE YOU OVERHEAD	NV ENERGY	702-227-2929

DEMOLITION NOTES

1. SAWCUT & MATCH EXISTING
2. REMOVE BITUMINOUS SURFACE AND AGGREGATE BASE
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4. REMOVE CONCRETE CURB
5. REMOVE CONCRETE MEDIAN
6. REMOVE CONCRETE SIDEWALK AND/OR DRIVEWAY
7. REMOVE LANDSCAPING ROCK
8. REMOVE STREET LIGHT POLE (SEE LIGHTING PLANS)
9. REMOVE & RELOCATE POWER POLE (BY NV ENERGY)
10. REMOVE & RELOCATE GAS VALVE (BY SWG)
11. PROTECT GAS LINE IN-PLACE
12. REMOVE CHAIN-LINK, WROUGHT IRON OR METAL FENCE & GATES & SALVAGE FOR RE-USE
13. REMOVE CHAIN-LINK, WROUGHT IRON OR METAL FENCE & GATES & DISPOSE (SUB-STANDARD FENCING)
14. REMOVE CONCRETE/CMU WALL
15. REMOVE CONCRETE CROSS GUTTER AND/OR SPANDREL
16. REMOVE FIRE HYDRANT & RELOCATE (UDACS PLATE # 40)
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18. REFER TO SPECIAL PROVISION SECTIONS 212 & 213 FOR LANDSCAPE AND IRRIGATION PROTECTION, REMOVAL & RESTORATION
19. RELOCATE BOULDER
20. REMOVE BOLLARD
21. REMOVE DROP INLET (SEE DETAILED GRADING PLANS)
22. REMOVE GUY WIRE (BY NV ENERGY)
23. PROTECT CHAIN-LINK, WOOD, WROUGHT IRON OR METAL FENCE & GATES IN-PLACE
24. PROTECT CONCRETE/CMU BLOCK WALL IN-PLACE
25. PROTECT CONCRETE CROSS GUTTER IN-PLACE
26. PROTECT FIRE HYDRANT IN-PLACE
27. REMOVE WATER METER BOXES
28. PROTECT PULLBOX AND UTILITY (COX, CENTURYLINK, NV ENERGY, TRAFFIC SIGNAL, STREET LIGHT)
29. PROTECT AVAR
30. PROTECT UTILITY POLE AND/OR GUY WIRE IN-PLACE
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32. PROTECT SIGNAL AND/OR PED POLE
33. PROTECT MAILBOX IN PLACE
34. PROTECT DROP INLET
35. REMOVE 6" WATER LINE
36. RELOCATE MAILBOX 6" MIN BEHIND PROPOSED BACK OF SIDEWALK
37. PROTECT GAS VALVE IN PLACE
38. PROTECT WATER TEST STATION

CONSTRUCTION NOTES

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9. CONSTRUCT SIDEWALK RAMP - CASE I WITH TACTILE WARNING PANEL (USDCCA STD. DWG. NO 235)
10. CONSTRUCT MODIFIED SIDEWALK RAMP - CASE I WITH TACTILE WARNING PANEL (USDCCA STD. DWG. NO 235)(SEE DETAIL C, SHEET C-19)
11. INSTALL TACTILE WARNING PANEL (USDCCA STD. DWG. NO. 235)
12. CONSTRUCT CONCRETE RESIDENTIAL DRIVEWAY (USDCCA STD. DWG. NO. 223)
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16. CONSTRUCT BLOCK RETAINING WALL (SEE SOUTHERN NEVADA BUILDING REGIONAL STANDARDS B-100-1)
17. CONSTRUCT CMU WALL (SEE SOUTHERN NEVADA BUILDING REGIONAL STANDARDS B-100-2)
18. REMOVE EXISTING 6" CIP AND RECONNECT FIRE HYDRANT WITH ALL PVC
19. INSTALL SALVAGED CHAIN-LINK FENCE & GATES. (FOUNDATIONS PER USDCCA STD. DWG. NO. 252 & 253)
20. INSTALL CHAIN-LINK FENCE & GATES (MATCH EXISTING) (USDCCA STD. DWG. NO. 252 & 253)
21. RESET EXISTING FIRE HYDRANT ON NEW CONCRETE PAD (UDACS PLATE # 40)
22. ADJUST EXISTING PULLBOX TO FINISHED GRADE (USDCCA STD. DWG. NO. 328)
23. ADJUST EXISTING VALVE BOX TO FINISHED GRADE W/ CONCRETE COLLAR (UDACS PLATE #39). VALVE BOX SHALL BE ACCESSIBLE AT ALL TIMES.
24. RELOCATE AVAR (UDACS PLATE NO. 38)
25. ADJUST SANITARY SEWER MANHOLE TO FINISHED GRADE (DCSWCS DRAWINGS SD-2, SD-4, AND SD-5)
26. ADJUST EXISTING WATER METER BOX TO FINISHED GRADE (UDACS PLATE #4) (SEE DETAIL A, SHEET C-21)
27. INSTALL 1' LANDSCAPING ROCK (APACHE RED)
28. CONSTRUCT MONOLITHIC CURB AT BACK OF SIDEWALK TO MATCH NEW SIDEWALK (SEE DETAIL A, SHEET C-19)
29. ADJUST PULLBOX, (BY CENTURYLINK)
30. ADJUST WATER MANHOLE TO FINISHED GRADE (LVVWD DESIGN STD. PL08-4, ACAD STD.) (SEE DETAIL D, SHEET C-19)
31. ADJUST STORM DRAIN MANHOLE TO FINISHED GRADE (USDCCA STD. DWG. NO. 408)
32. RELOCATE WATER TEST STATION TO FINISH GRADE (SEE DETAIL A SHEET A, SHEET C-20)
33. GAS VALVES TO BE ADJUSTED (BY SW GAS)
34. RELOCATE EXISTING WATER METER BOX TO FINISHED GRADE (UDACS PLATE #4)
35. CONSTRUCT CONCRETE "L" TYPE ISLAND CURB (USDCCA STD. DWG. NO. 219)

NOTES:
1. SEE L-SHEETS FOR STREETLIGHT & STREETLIGHT PULLBOX REMOVALS.
2. SEE ST-SHEETS FOR SIGN REMOVALS.
3. SEE HORIZONTAL CONTROL PLANS FOR GEOMETRY.
4. DIMENSIONS ARE TO CONTROL LINE, BACK OF CURB, BACK OF SIDEWALK AND/OR EDGE OF PAVEMENT, UNLESS OTHERWISE NOTED.

NO.	DATE	REVISIONS

PREPARED BY
GCW ENGINEERS \ SURVEYORS
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LAS VEGAS, NV 89146
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gcwengineerng.com

PREPARED FOR
CITY OF LAS VEGAS

BID# 17-50168
H# 50168
DESIGNED BY: JFG
DRAWN BY: MVD
CHECKED BY: TAM
DATE: 4/25/17
SUBMITTAL STAGE: FINAL

TITLE
SIDEWALK INFILL - ARVILLE STREET, VISTA DRIVE AND HINSON STREET

SHEET
DEMOLITION & CONSTRUCTION PLAN "AS" 14+50 TO "AS" 19+00

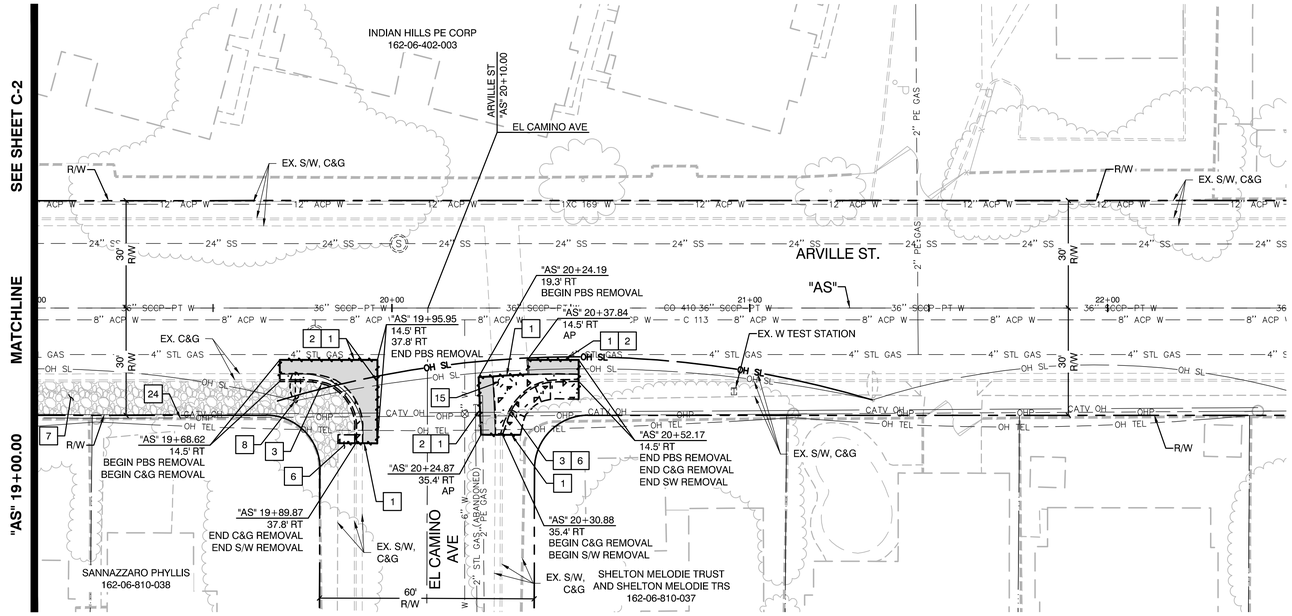
PROFESSIONAL ENGINEER - STATE OF NEVADA
TIMOTHY A. McCOY
Exp. 12/31/2017
CIVIL
No. 11511
4/25/17

SHEET
C-2
18 OF 74

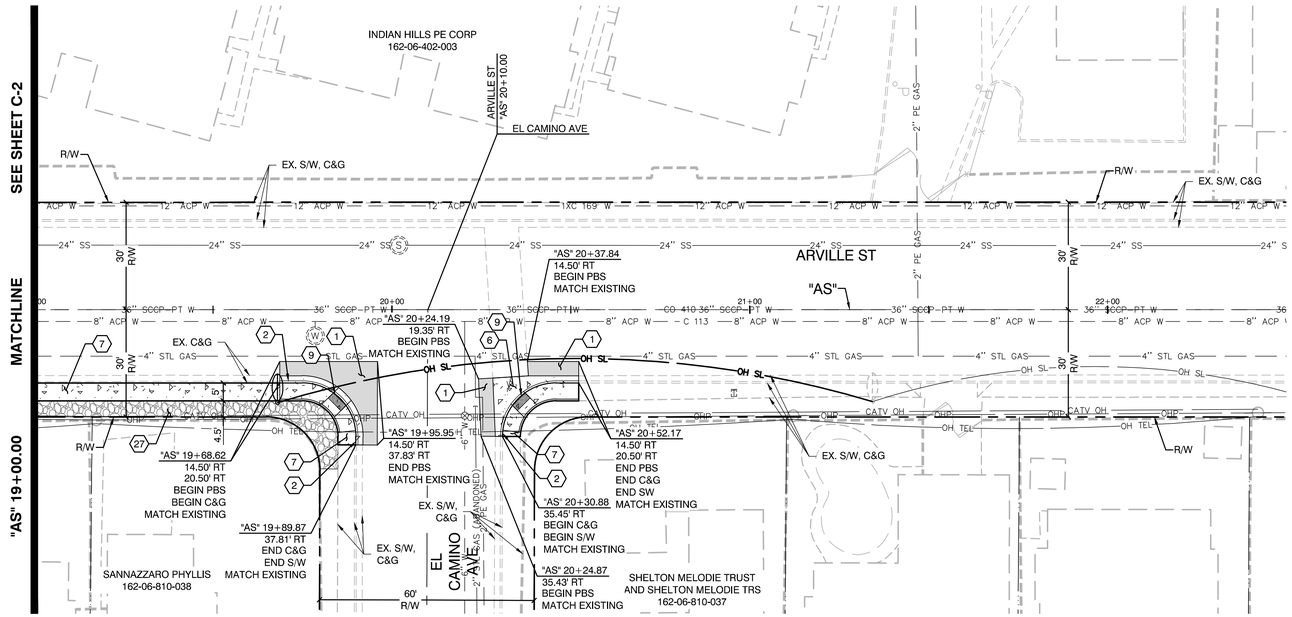
DRAWING NO.
107V 5837-4

Proj#: 123892 Agr# 115612 GS: 162-06 NE

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DEMOLITION PLAN



CONSTRUCTION PLAN

LEGEND

- REMOVE/CONSTRUCT PLANTMIX BITUMINOUS SURFACE (SEE TYPICAL SECTIONS FOR PAVEMENT SECTION)
- REMOVE/CONSTRUCT CONCRETE
- REMOVE/INSTALL LANDSCAPING ROCK

APPROVED FOR CONSTRUCTION

SIGNED BY MIKE DISHARI ON 4/19/17 FOR DJM (SEE ORIGINAL MYLAR)

LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER

DATE: PROJECT# 123892

GRAPHIC SCALE

20 0 10 20 40

(IN FEET)

DEMOLITION NOTES

1	SAWCUT & MATCH EXISTING
2	REMOVE BITUMINOUS SURFACE AND AGGREGATE BASE
3	REMOVE CONCRETE CURB & GUTTER
4	REMOVE CONCRETE CURB
5	REMOVE CONCRETE MEDIAN
6	REMOVE CONCRETE SIDEWALK AND/OR DRIVEWAY
7	REMOVE LANDSCAPING ROCK
8	REMOVE STREET LIGHT POLE (SEE LIGHTING PLANS)
9	REMOVE & RELOCATE POWER POLE (BY NV ENERGY)
10	REMOVE & RELOCATE GAS VALVE (BY SWG)
11	PROTECT GAS LINE IN-PLACE
12	REMOVE CHAIN-LINK, WROUGHT IRON OR METAL FENCE & GATES & SALVAGE FOR RE-USE
13	REMOVE CHAIN-LINK, WROUGHT IRON OR METAL FENCE & GATES & DISPOSE (SUB-STANDARD FENCING)
14	REMOVE CONCRETE/CMU WALL
15	REMOVE CONCRETE CROSS GUTTER AND/OR SPANDREL
16	REMOVE FIRE HYDRANT & RELOCATE (UDACS PLATE # 40)
17	REMOVE/TRIM TREE/STUMP/BUSH AS REQUIRED FOR PROPOSED IMPROVEMENT INSTALLATION AS DIRECTED BY ENGINEER
18	REFER TO SPECIAL PROVISION SECTIONS 212 & 213 FOR LANDSCAPE AND IRRIGATION PROTECTION, REMOVAL & RESTORATION
19	RELOCATE BOULDER
20	REMOVE BOLLARD
21	REMOVE DROP INLET (SEE DETAILED GRADING PLANS)
22	REMOVE GUY WIRE (BY NV ENERGY)
23	PROTECT CHAIN-LINK, WOOD, WROUGHT IRON OR METAL FENCE & GATES IN-PLACE
24	PROTECT CONCRETE/CMU BLOCK WALL IN-PLACE
25	PROTECT CONCRETE CROSS GUTTER IN-PLACE
26	PROTECT FIRE HYDRANT IN-PLACE
27	REMOVE WATER METER BOXES
28	PROTECT PULLBOX AND UTILITY (COX, CENTURYLINK, NV ENERGY, TRAFFIC SIGNAL, STREET LIGHT)
29	PROTECT AVAR
30	PROTECT UTILITY POLE AND/OR GUY WIRE IN-PLACE
31	PROTECT PULLBOX IN-PLACE
32	PROTECT SIGNAL AND/OR PED POLE
33	PROTECT MAILBOX IN PLACE
34	PROTECT DROP INLET
35	REMOVE 6" WATER LINE
36	RELOCATE MAILBOX 6" MIN BEHIND PROPOSED BACK OF SIDEWALK
37	PROTECT GAS VALVE IN PLACE
38	PROTECT WATER TEST STATION

CONSTRUCTION NOTES

1	CONSTRUCT PLANTMIX BITUMINOUS SURFACE OVER TYPE II AGGREGATE BASE (SEE TYPICAL SECTIONS)
2	CONSTRUCT CONCRETE "L" TYPE CURB & GUTTER (USDCCA STD. DWG. NO. 216)
3	CONSTRUCT CONCRETE "A" TYPE CURB & GUTTER (USDCCA STD. DWG. NO. 219)
4	CONSTRUCT CONCRETE "R" TYPE CURB & GUTTER (USDCCA STD. DWG. NO. 217.S2)
5	CONSTRUCT CURB TRANSITION (SEE DETAIL B, SHEET C-19)
6	CONSTRUCT CONCRETE CROSS GUTTER AND/OR SPANDREL (USDCCA STD. DWG. NO. 228)
7	CONSTRUCT CONCRETE SIDEWALK (WIDTH VARIES)(USDCCA STD. DWG. NO. 234)
8	CONSTRUCT SIDEWALK DRAIN (USDCCA STD. DWG. NO. 236)
9	CONSTRUCT SIDEWALK RAMP - CASE I WITH TACTILE WARNING PANEL (USDCCA STD. DWG. NO 235)
10	CONSTRUCT MODIFIED SIDEWALK RAMP - CASE I WITH TACTILE WARNING PANEL (USDCCA STD. DWG. NO 235)(SEE DETAIL C, SHEET C-19)
11	INSTALL TACTILE WARNING PANEL (USDCCA STD. DWG. NO. 235)
12	CONSTRUCT CONCRETE RESIDENTIAL DRIVEWAY (USDCCA STD. DWG. NO. 223)
13	CONSTRUCT CONCRETE COMMERCIAL DRIVEWAY (OPTION A) (USDCCA STD. DWG. NO. 224)
14	CONSTRUCT CONCRETE COMMERCIAL DRIVEWAY (OPTION C) (USDCCA STD. DWG. NO. 226.S1)
15	CONSTRUCT DEPRESSED ALLEY DRIVEWAY (USDCCA STD. DWG. NO. 227.S1)
16	CONSTRUCT BLOCK RETAINING WALL (SEE SOUTHERN NEVADA BUILDING REGIONAL STANDARDS B-100-1)
17	CONSTRUCT CMU WALL (SEE SOUTHERN NEVADA BUILDING REGIONAL STANDARDS B-100-2)
18	REMOVE EXISTING 6" CIP AND RECONNECT FIRE HYDRANT WITH ALL PVC
19	INSTALL SALVAGED CHAIN-LINK FENCE & GATES. (FOUNDATIONS PER USDCCA STD. DWG. NO. 252 & 253)
20	INSTALL CHAIN-LINK FENCE & GATES (MATCH EXISTING) (USDCCA STD. DWG. NO. 252 & 253)
21	RESET EXISTING FIRE HYDRANT ON NEW CONCRETE PAD (UDACS PLATE # 40)
22	ADJUST EXISTING PULLBOX TO FINISHED GRADE (USDCCA STD. DWG. NO. 328)
23	ADJUST EXISTING VALVE BOX TO FINISHED GRADE W/ CONCRETE COLLAR (UDACS PLATE #39). VALVE BOX SHALL BE ACCESSIBLE AT ALL TIMES.
24	RELOCATE AVAR (UDACS PLATE NO. 38)
25	ADJUST SANITARY SEWER MANHOLE TO FINISHED GRADE (DCSWCS DRAWINGS SD-2, SD-4, AND SD-5)
26	ADJUST EXISTING WATER METER BOX TO FINISHED GRADE (UDACS PLATE #4) (SEE DETAIL A, SHEET C-21)
27	INSTALL 1" LANDSCAPING ROCK (APACHE RED)
28	CONSTRUCT MONOLITHIC CURB AT BACK OF SIDEWALK TO MATCH NEW SIDEWALK (SEE DETAIL A, SHEET C-19)
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30	ADJUST WATER MANHOLE TO FINISHED GRADE (LVVWD DESIGN STD. PL08-4, ACAD STD.) (SEE DETAIL D, SHEET C-19)
31	ADJUST STORM DRAIN MANHOLE TO FINISHED GRADE (USDCCA STD. DWG. NO. 408)
32	RELOCATE WATER TEST STATION TO FINISH GRADE (SEE DETAIL A SHEET A, SHEET C-20)
33	GAS VALVES TO BE ADJUSTED (BY SW GAS)
34	RELOCATE EXISTING WATER METER BOX TO FINISHED GRADE (UDACS PLATE #4)
35	CONSTRUCT CONCRETE "L" TYPE ISLAND CURB (USDCCA STD. DWG. NO. 219)

NOTES:
1. SEE L-SHEETS FOR STREETLIGHT & STREETLIGHT PULLBOX REMOVALS.
2. SEE ST-SHEETS FOR SIGN REMOVALS.
3. SEE HORIZONTAL CONTROL PLANS FOR GEOMETRY.
4. DIMENSIONS ARE TO CONTROL LINE, BACK OF CURB, BACK OF SIDEWALK AND/OR EDGE OF PAVEMENT, UNLESS OTHERWISE NOTED.

CALL BEFORE CONSTRUCTION

BEFORE YOU DIG	USA NORTH	811 OR 800-227-2600
BEFORE YOU UNDERGROUND	F.A.S.T.	702-432-5300
	CLARK COUNTY TRAFFIC OPERATIONS	702-455-7511
	CITY OF LAS VEGAS T.E.F.O.	702-229-6611
BEFORE YOU OVERHEAD	NV ENERGY	702-227-2929

NO.	DATE	REVISIONS

PREPARED BY
GCW ENGINEERS \ SURVEYORS
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gcwengineering.com

PREPARED FOR
CITY OF LAS VEGAS

BID# 17-50168 | DESIGNED BY: JFG
H# 50168 | DRAWN BY: MVD
DATE: 4/25/17 | CHECKED BY: TAM
SUBMITTAL STAGE: FINAL

TITLE
SIDEWALK INFILL - ARVILLE STREET, VISTA DRIVE AND HINSON STREET

SHEET
DEMOLITION & CONSTRUCTION PLAN "AS" 19+00 TO "AS" 22+50

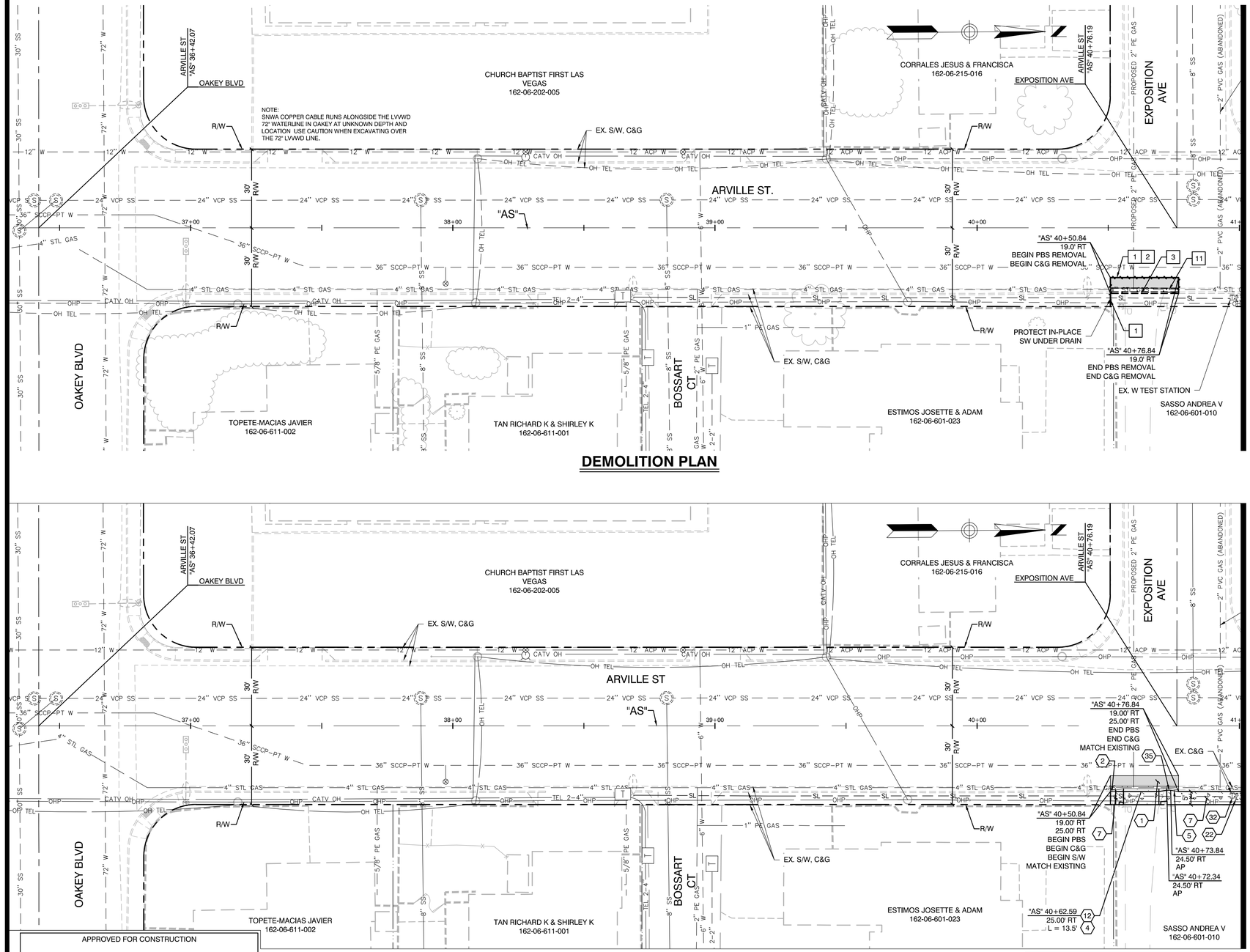
TIMOTHY A. McCOY
Exp. 12/31/2017
CIVIL
No. 11511
STATE OF NEVADA
PROFESSIONAL ENGINEER
4/25/17

SHEET
C-3
19 OF 74

DRAWING NO.
107V 5837-4

Proj#: 123892 Agr# 115612 GS: 162-06 NE

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DEMOLITION PLAN

CONSTRUCTION PLAN

APPROVED FOR CONSTRUCTION

SIGNED BY MIKE DISHARI ON 4/19/17 (SEE ORIGINAL MYLAR)

SOUTHERN NEVADA WATER AUTHORITY

DATE: DPR# 2015-0122

SNWA APPROVAL IS VALID 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.

APPROVED FOR CONSTRUCTION

SIGNED BY MIKE DISHARI ON 4/19/17 FOR DJM (SEE ORIGINAL MYLAR)

LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER

DATE: PROJECT# 123892

LEGEND

- REMOVE/CONSTRUCT PLANTMIX BITUMINOUS SURFACE (SEE TYPICAL SECTIONS FOR PAVEMENT SECTION)
- REMOVE/CONSTRUCT CONCRETE
- REMOVE/INSTALL LANDSCAPING ROCK

LVVWD NOTE:
PROTECT IN PLACE AND ADJUST LVVWD EXISTING FACILITIES TO FINISHED GRADE. ALL LVVWD FACILITIES SHALL BE ACCESSIBLE AT ALL TIMES.

SNWA CONSTRUCTION NOTE:
CONTRACTOR SHALL FIELD LOCATE AND PROTECT ALL SNWA/SNWS APPURTENANCES INCLUDING BUT NOT LIMITED TO : AV/ARS, ACCESS MANWAYS AND CATHODIC PROTECTION SYSTEMS. ALL ABOVE GROUND STRUCTURES AND GRADE STRUCTURES MUST BE ADJUSTED TO NEW GRADE AT CONTRACTOR'S EXPENSE. CATHODIC PROTECTION TEST STATIONS, RECTIFIERS AND AV/ARS MUST BE RELOCATED TO THE SIDEWALK PER SNWA STANDARD AND AT THE CONTRACTOR'S EXPENSE. CONTRACTOR TO NOTIFY SOUTHERN NEVADA WATER AUTHORITY, DEVELOPMENT PLAN REVIEW, AT (702)691-5372 AT LEAST 48 HOURS PRIOR TO CONSTRUCTION ACTIVITY.

GRAPHIC SCALE
20 0 10 20 40
(IN FEET)

CALL BEFORE CONSTRUCTION

BEFORE YOU DIG	USA NORTH	811 OR 800-227-2600
BEFORE YOU UNDERGROUND	F.A.S.T.	702-432-5300
	CLARK COUNTY TRAFFIC OPERATIONS	702-455-7511
	CITY OF LAS VEGAS T.E.F.O.	702-229-6611
BEFORE YOU OVERHEAD	NV ENERGY	702-227-2929

DEMOLITION NOTES

1	SAWCUT & MATCH EXISTING
2	REMOVE BITUMINOUS SURFACE AND AGGREGATE BASE
3	REMOVE CONCRETE CURB & GUTTER
4	REMOVE CONCRETE CURB
5	REMOVE CONCRETE MEDIAN
6	REMOVE CONCRETE SIDEWALK AND/OR DRIVEWAY
7	REMOVE LANDSCAPING ROCK
8	REMOVE STREET LIGHT POLE (SEE LIGHTING PLANS)
9	REMOVE & RELOCATE POWER POLE (BY NV ENERGY)
10	REMOVE & RELOCATE GAS VALVE (BY SWG)
11	PROTECT GAS LINE IN-PLACE
12	REMOVE CHAIN-LINK, WROUGHT IRON OR METAL FENCE & GATES & SALVAGE FOR RE-USE
13	REMOVE CHAIN-LINK, WROUGHT IRON OR METAL FENCE & GATES & DISPOSE (SUB-STANDARD FENCING)
14	REMOVE CONCRETE/CMU WALL
15	REMOVE CONCRETE CROSS GUTTER AND/OR SPANDREL
16	REMOVE FIRE HYDRANT & RELOCATE (UDACS PLATE # 40)
17	REMOVE/TRIM TREE/STUMP/BUSH AS REQUIRED FOR PROPOSED IMPROVEMENT INSTALLATION AS DIRECTED BY ENGINEER
18	REFER TO SPECIAL PROVISION SECTIONS 212 & 213 FOR LANDSCAPE AND IRRIGATION PROTECTION, REMOVAL & RESTORATION
19	RELOCATE BOULDER
20	REMOVE BOLLARD
21	REMOVE DROP INLET (SEE DETAILED GRADING PLANS)
22	REMOVE GUY WIRE (BY NV ENERGY)
23	PROTECT CHAIN-LINK, WOOD, WROUGHT IRON OR METAL FENCE & GATES IN-PLACE
24	PROTECT CONCRETE/CMU BLOCK WALL IN-PLACE
25	PROTECT CONCRETE CROSS GUTTER IN-PLACE
26	PROTECT FIRE HYDRANT IN-PLACE
27	REMOVE WATER METER BOXES
28	PROTECT PULLBOX AND UTILITY (COX, CENTURYLINK, NV ENERGY, TRAFFIC SIGNAL, STREET LIGHT)
29	PROTECT AVAR
30	PROTECT UTILITY POLE AND/OR GUY WIRE IN-PLACE
31	PROTECT PULLBOX IN-PLACE
32	PROTECT SIGNAL AND/OR PED POLE
33	PROTECT MAILBOX IN PLACE
34	PROTECT DROP INLET
35	REMOVE 6" WATER LINE
36	RELOCATE MAILBOX 6" MIN BEHIND PROPOSED BACK OF SIDEWALK
37	PROTECT GAS VALVE IN PLACE
38	PROTECT WATER TEST STATION

CONSTRUCTION NOTES

1	CONSTRUCT PLANTMIX BITUMINOUS SURFACE OVER TYPE II AGGREGATE BASE (SEE TYPICAL SECTIONS)
2	CONSTRUCT CONCRETE "L" TYPE CURB & GUTTER (USDCCA STD. DWG. NO. 216)
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4	CONSTRUCT CONCRETE "R" TYPE CURB & GUTTER (USDCCA STD. DWG. NO. 217.S2)
5	CONSTRUCT CURB TRANSITION (SEE DETAIL B, SHEET C-19)
6	CONSTRUCT CONCRETE CROSS GUTTER AND/OR SPANDREL (USDCCA STD. DWG. NO. 228)
7	CONSTRUCT CONCRETE SIDEWALK (WIDTH VARIES)(USDCCA STD. DWG. NO. 234)
8	CONSTRUCT SIDEWALK DRAIN (USDCCA STD. DWG. NO. 236)
9	CONSTRUCT SIDEWALK RAMP - CASE I WITH TACTILE WARNING PANEL (USDCCA STD. DWG. NO 235)
10	CONSTRUCT MODIFIED SIDEWALK RAMP - CASE I WITH TACTILE WARNING PANEL (USDCCA STD. DWG. NO 235)(SEE DETAIL C, SHEET C-19)
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14	CONSTRUCT CONCRETE COMMERCIAL DRIVEWAY (OPTION C) (USDCCA STD. DWG. NO. 226.S1)
15	CONSTRUCT DEPRESSED ALLEY DRIVEWAY (USDCCA STD. DWG. NO. 227.S1)
16	CONSTRUCT BLOCK RETAINING WALL (SEE SOUTHERN NEVADA BUILDING REGIONAL STANDARDS B-100-1)
17	CONSTRUCT CMU WALL (SEE SOUTHERN NEVADA BUILDING REGIONAL STANDARDS B-100-2)
18	REMOVE EXISTING 6" CIP AND RECONNECT FIRE HYDRANT WITH ALL PVC
19	INSTALL SALVAGED CHAIN-LINK FENCE & GATES. (FOUNDATIONS PER USDCCA STD. DWG. NO. 252 & 253)
20	INSTALL CHAIN-LINK FENCE & GATES (MATCH EXISTING) (USDCCA STD. DWG. NO. 252 & 253)
21	RESET EXISTING FIRE HYDRANT ON NEW CONCRETE PAD (UDACS PLATE # 40)
22	ADJUST EXISTING PULLBOX TO FINISHED GRADE (USDCCA STD. DWG. NO. 328)
23	ADJUST EXISTING VALVE BOX TO FINISHED GRADE W/ CONCRETE COLLAR (UDACS PLATE #39). VALVE BOX SHALL BE ACCESSIBLE AT ALL TIMES.
24	RELOCATE AVAR (UDACS PLATE NO. 38)
25	ADJUST SANITARY SEWER MANHOLE TO FINISHED GRADE (DCSWCS DRAWINGS SD-2, SD-4, AND SD-5)
26	ADJUST EXISTING WATER METER BOX TO FINISHED GRADE (UDACS PLATE #4) (SEE DETAIL A, SHEET C-21)
27	INSTALL 1" LANDSCAPING ROCK (APACHE RED)
28	CONSTRUCT MONOLITHIC CURB AT BACK OF SIDEWALK TO MATCH NEW SIDEWALK (SEE DETAIL A, SHEET C-19)
29	ADJUST PULLBOX, (BY CENTURYLINK)
30	ADJUST WATER MANHOLE TO FINISHED GRADE (LVVWD DESIGN STD. PL08-4, ACAD STD.) (SEE DETAIL D, SHEET C-19)
31	ADJUST STORM DRAIN MANHOLE TO FINISHED GRADE (USDCCA STD. DWG. NO. 408)
32	RELOCATE WATER TEST STATION TO FINISH GRADE (SEE DETAIL A SHEET A, SHEET C-20)
33	GAS VALVES TO BE ADJUSTED (BY SW GAS)
34	RELOCATE EXISTING WATER METER BOX TO FINISHED GRADE (UDACS PLATE #4)
35	CONSTRUCT CONCRETE "L" TYPE ISLAND CURB (USDCCA STD. DWG. NO. 219)

NOTES:
1. SEE L-SHEETS FOR STREETLIGHT & STREETLIGHT PULLBOX REMOVALS.
2. SEE ST-SHEETS FOR SIGN REMOVALS.
3. SEE HORIZONTAL CONTROL PLANS FOR GEOMETRY.
4. DIMENSIONS ARE TO CONTROL LINE, BACK OF CURB, BACK OF SIDEWALK AND/OR EDGE OF PAVEMENT, UNLESS OTHERWISE NOTED.

NO.	DATE	REVISIONS

PREPARED BY
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1555 S. RAINBOW BLVD.
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gcwengineering.com

PREPARED FOR
CITY OF LAS VEGAS

BID# 17-50168
H# 50168

DESIGNED BY: JFG
DRAWN BY: MVD
CHECKED BY: TAM

DATE: 4/25/17
SUBMITTAL STAGE: FINAL

TITLE
SIDEWALK INFILL - ARVILLE STREET, VISTA DRIVE AND HINSON STREET

SHEET
DEMOLITION & CONSTRUCTION PLAN "AS" 36+50 TO "AS" 41+00

SNWA DPR's# 2015-0122 (APPROVED)

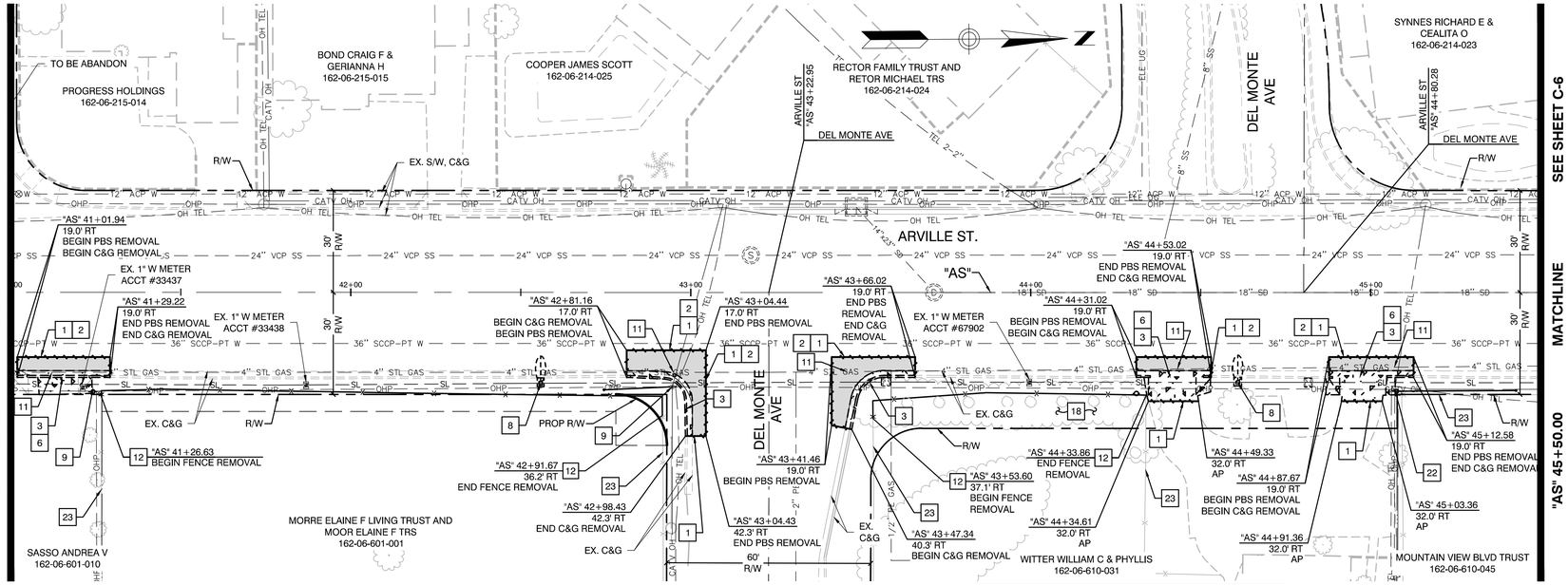
Proj#: 123892 Agr# 115612 OS: 162-06 NE

ENGINEER - STATE OF NEVADA
TIMOTHY A. McCOY
Exp. 12/31/2017
CIVIL
No. 11511
PROFESSIONAL ENGINEER
4/25/17

SHEET
C-4
20 OF 74

DRAWING NO.
107V 5837-4

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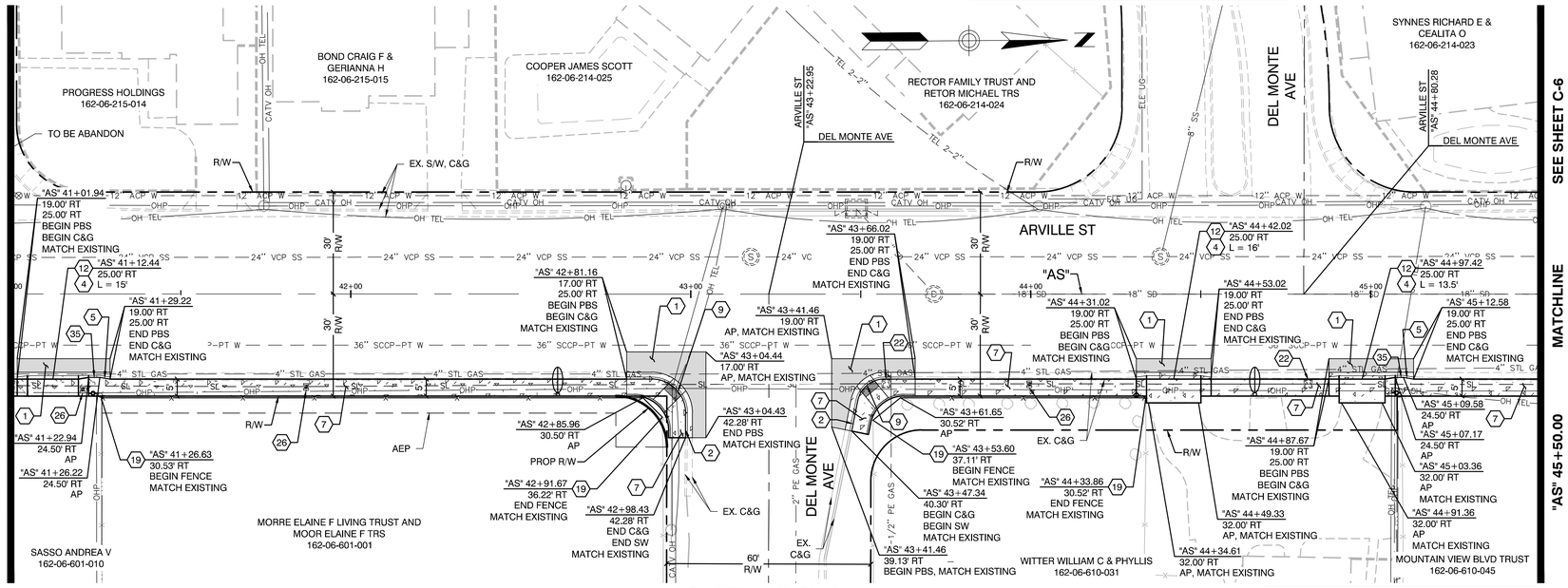


DEMOLITION PLAN

ANY EXISTING WATER METER BOX WITHIN A PROPOSED DRIVEWAY SHALL BE ADJUSTED TO THE NEW GRADE ELEVATION PER THE ATTACHED DETAIL. IF A BOX IS DAMAGED OR IN POOR CONDITION, AS DETERMINED BY THE LVVWD, A NEW ONE WILL BE SUPPLIED BY THE LVVWD AND INSTALLED BY THE CONTRACTOR.

ANY EXISTING WATER METER BOX WITHIN THE WORK AREA SET FOR INSTALLATION OF NEW SIDEWALK, SHALL BE ADJUSTED TO THE NEW GRADE ELEVATION PER UDACS PLATE #4. IF A METER BOX IS DAMAGED OR IN POOR CONDITION, AS DETERMINED BY THE LVVWD, A NEW ONE WILL BE SUPPLIED BY THE LVVWD AND INSTALLED BY THE CONTRACTOR.

WHERE THE WATER METER BOX LOCATION IS IN A DRIVEWAY, THERE SHALL NOT BE ANY JOINTS OR THE SERVICE SHALL BE RELOCATED AT THE SOLE EXPENSE OF THE DEVELOPER.



CONSTRUCTION PLAN

LVVWD NOTE:
PROTECT IN PLACE AND ADJUST LVVWD EXISTING FACILITIES TO FINISHED GRADE.
ALL LVVWD FACILITIES SHALL BE ACCESSIBLE AT ALL TIMES.

GRAPHIC SCALE
20 0 10 20 40
(IN FEET)

LEGEND

- REMOVE/CONSTRUCT PLANTMIX BITUMINOUS SURFACE (SEE TYPICAL SECTIONS FOR PAVEMENT SECTION)
- REMOVE/CONSTRUCT CONCRETE
- REMOVE/INSTALL LANDSCAPING ROCK

APPROVED FOR CONSTRUCTION

SIGNED BY MIKE DISHARI ON 4/19/17 FOR DJM (SEE ORIGINAL MYLAR)
LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER
DATE: PROJECT# 123892

CALL BEFORE CONSTRUCTION

BEFORE YOU DIG	USA NORTH	811 OR 800-227-2600
BEFORE YOU UNDERGROUND	F.A.S.T.	702-432-5300
	CLARK COUNTY TRAFFIC OPERATIONS	702-455-7511
	CITY OF LAS VEGAS T.E.F.O.	702-229-6611
BEFORE YOU OVERHEAD	NV ENERGY	702-227-2929

DEMOLITION NOTES

1. SAWCUT & MATCH EXISTING
2. REMOVE BITUMINOUS SURFACE AND AGGREGATE BASE
3. REMOVE CONCRETE CURB & GUTTER
4. REMOVE CONCRETE CURB
5. REMOVE CONCRETE MEDIAN
6. REMOVE CONCRETE SIDEWALK AND/OR DRIVEWAY
7. REMOVE LANDSCAPING ROCK
8. REMOVE STREET LIGHT POLE (SEE LIGHTING PLANS)
9. REMOVE & RELOCATE POWER POLE (BY NV ENERGY)
10. REMOVE & RELOCATE GAS VALVE (BY SWG)
11. PROTECT GAS LINE IN-PLACE
12. REMOVE CHAIN-LINK, WROUGHT IRON OR METAL FENCE & GATES & SALVAGE FOR RE-USE
13. REMOVE CHAIN-LINK, WROUGHT IRON OR METAL FENCE & GATES & DISPOSE (SUB-STANDARD FENCING)
14. REMOVE CONCRETE/CMU WALL
15. REMOVE CONCRETE CROSS GUTTER AND/OR SPANDREL
16. REMOVE FIRE HYDRANT & RELOCATE (UDACS PLATE # 40)
17. REMOVE/TRIM TREE/STUMP/BUSH AS REQUIRED FOR PROPOSED IMPROVEMENT INSTALLATION AS DIRECTED BY ENGINEER
18. REFER TO SPECIAL PROVISION SECTIONS 212 & 213 FOR LANDSCAPE AND IRRIGATION PROTECTION, REMOVAL & RESTORATION
19. RELOCATE BOULDER
20. REMOVE BOLLARD
21. REMOVE DROP INLET (SEE DETAILED GRADING PLANS)
22. REMOVE GUY WIRE (BY NV ENERGY)
23. PROTECT CHAIN-LINK, WOOD, WROUGHT IRON OR METAL FENCE & GATES IN-PLACE
24. PROTECT CONCRETE/CMU BLOCK WALL IN-PLACE
25. PROTECT CONCRETE CROSS GUTTER IN-PLACE
26. PROTECT FIRE HYDRANT IN-PLACE
27. REMOVE WATER METER BOXES
28. PROTECT PULLBOX AND UTILITY (COX, CENTURYLINK, NV ENERGY, TRAFFIC SIGNAL, STREET LIGHT)
29. PROTECT AVAR
30. PROTECT UTILITY POLE AND/OR GUY WIRE IN-PLACE
31. PROTECT PULLBOX IN-PLACE
32. PROTECT SIGNAL AND/OR PED POLE
33. PROTECT MAILBOX IN PLACE
34. PROTECT DROP INLET
35. REMOVE 6" WATER LINE
36. RELOCATE MAILBOX 6" MIN BEHIND PROPOSED BACK OF SIDEWALK
37. PROTECT GAS VALVE IN PLACE
38. PROTECT WATER TEST STATION

CONSTRUCTION NOTES

1. CONSTRUCT PLANTMIX BITUMINOUS SURFACE OVER TYPE II AGGREGATE BASE (SEE TYPICAL SECTIONS)
2. CONSTRUCT CONCRETE 'L' TYPE CURB & GUTTER (USDCCA STD. DWG. NO. 216)
3. CONSTRUCT CONCRETE 'A' TYPE CURB & GUTTER (USDCCA STD. DWG. NO. 219)
4. CONSTRUCT CONCRETE 'R' TYPE CURB & GUTTER (USDCCA STD. DWG. NO. 217.S2)
5. CONSTRUCT CURB TRANSITION (SEE DETAIL B, SHEET C-19)
6. CONSTRUCT CONCRETE CROSS GUTTER AND/OR SPANDREL (USDCCA STD. DWG. NO. 228)
7. CONSTRUCT CONCRETE SIDEWALK (WIDTH VARIES)(USDCCA STD. DWG. NO. 234)
8. CONSTRUCT SIDEWALK DRAIN (USDCCA STD. DWG. NO. 236)
9. CONSTRUCT SIDEWALK RAMP - CASE I WITH TACTILE WARNING PANEL (USDCCA STD. DWG. NO 235)
10. CONSTRUCT MODIFIED SIDEWALK RAMP - CASE I WITH TACTILE WARNING PANEL (USDCCA STD. DWG. NO 235)(SEE DETAIL C, SHEET C-19)
11. INSTALL TACTILE WARNING PANEL (USDCCA STD. DWG. NO. 235)
12. CONSTRUCT CONCRETE RESIDENTIAL DRIVEWAY (USDCCA STD. DWG. NO. 223)
13. CONSTRUCT CONCRETE COMMERCIAL DRIVEWAY (OPTION A) (USDCCA STD. DWG. NO. 224)
14. CONSTRUCT CONCRETE COMMERCIAL DRIVEWAY (OPTION C) (USDCCA STD. DWG. NO. 226.S1)
15. CONSTRUCT DEPRESSED ALLEY DRIVEWAY (USDCCA STD. DWG. NO. 227.S1)
16. CONSTRUCT BLOCK RETAINING WALL (SEE SOUTHERN NEVADA BUILDING REGIONAL STANDARDS B-100-1)
17. CONSTRUCT CMU WALL (SEE SOUTHERN NEVADA BUILDING REGIONAL STANDARDS B-100-2)
18. REMOVE EXISTING 6" CIP AND RECONNECT FIRE HYDRANT WITH ALL PVC
19. INSTALL SALVAGED CHAIN-LINK FENCE & GATES. (FOUNDATIONS PER USDCCA STD. DWG. NO. 252 & 253)
20. INSTALL CHAIN-LINK FENCE & GATES (MATCH EXISTING) (USDCCA STD. DWG. NO. 252 & 253)
21. RESET EXISTING FIRE HYDRANT ON NEW CONCRETE PAD (UDACS PLATE # 40)
22. ADJUST EXISTING PULLBOX TO FINISHED GRADE (USDCCA STD. DWG. NO. 328)
23. ADJUST EXISTING VALVE BOX TO FINISHED GRADE W/ CONCRETE COLLAR (UDACS PLATE #39). VALVE BOX SHALL BE ACCESSIBLE AT ALL TIMES.
24. RELOCATE AVAR (UDACS PLATE NO. 38)
25. ADJUST SANITARY SEWER MANHOLE TO FINISHED GRADE (DCSWCS DRAWINGS SD-2, SD-4, AND SD-5)
26. ADJUST EXISTING WATER METER BOX TO FINISHED GRADE (UDACS PLATE #4) (SEE DETAIL A, SHEET C-21)
27. INSTALL 1" LANDSCAPING ROCK (APACHE RED)
28. CONSTRUCT MONOLITHIC CURB AT BACK OF SIDEWALK TO MATCH NEW SIDEWALK (SEE DETAIL A, SHEET C-19)
29. ADJUST PULLBOX (BY CENTURYLINK)
30. ADJUST WATER MANHOLE TO FINISHED GRADE (LVVWD DESIGN STD. PL08-4, ACAD STD.) (SEE DETAIL D, SHEET C-19)
31. ADJUST STORM DRAIN MANHOLE TO FINISHED GRADE (USDCCA STD. DWG. NO. 408)
32. RELOCATE WATER TEST STATION TO FINISH GRADE (SEE DETAIL A SHEET A, SHEET C-20)
33. GAS VALVES TO BE ADJUSTED (BY SW GAS)
34. RELOCATE EXISTING WATER METER BOX TO FINISHED GRADE (UDACS PLATE #4)
35. CONSTRUCT CONCRETE 'L' TYPE ISLAND CURB (USDCCA STD. DWG. NO. 219)

NOTES:
1. SEE L-SHEETS FOR STREETLIGHT & STREETLIGHT PULLBOX REMOVALS.
2. SEE ST-SHEETS FOR SIGN REMOVALS.
3. SEE HORIZONTAL CONTROL PLANS FOR GEOMETRY.
4. DIMENSIONS ARE TO CONTROL LINE, BACK OF CURB, BACK OF SIDEWALK AND/OR EDGE OF PAVEMENT, UNLESS OTHERWISE NOTED.

NO.	DATE	REVISIONS

PREPARED BY
GCW ENGINEERS & SURVEYORS
1555 S. RAINBOW BLVD.
LAS VEGAS, NV 89146
T: 702.804.2000
F: 702.804.2299
gcwengineering.com

PREPARED FOR
CITY OF LAS VEGAS

BID# 17-50168 | DESIGNED BY: JFG
H# 50168 | DRAWN BY: MVD
DATE: 4/25/17 | CHECKED BY: TAM
SUBMITTAL STAGE: FINAL

TITLE
SIDEWALK INFILL - ARVILLE STREET, VISTA DRIVE AND HINSON STREET

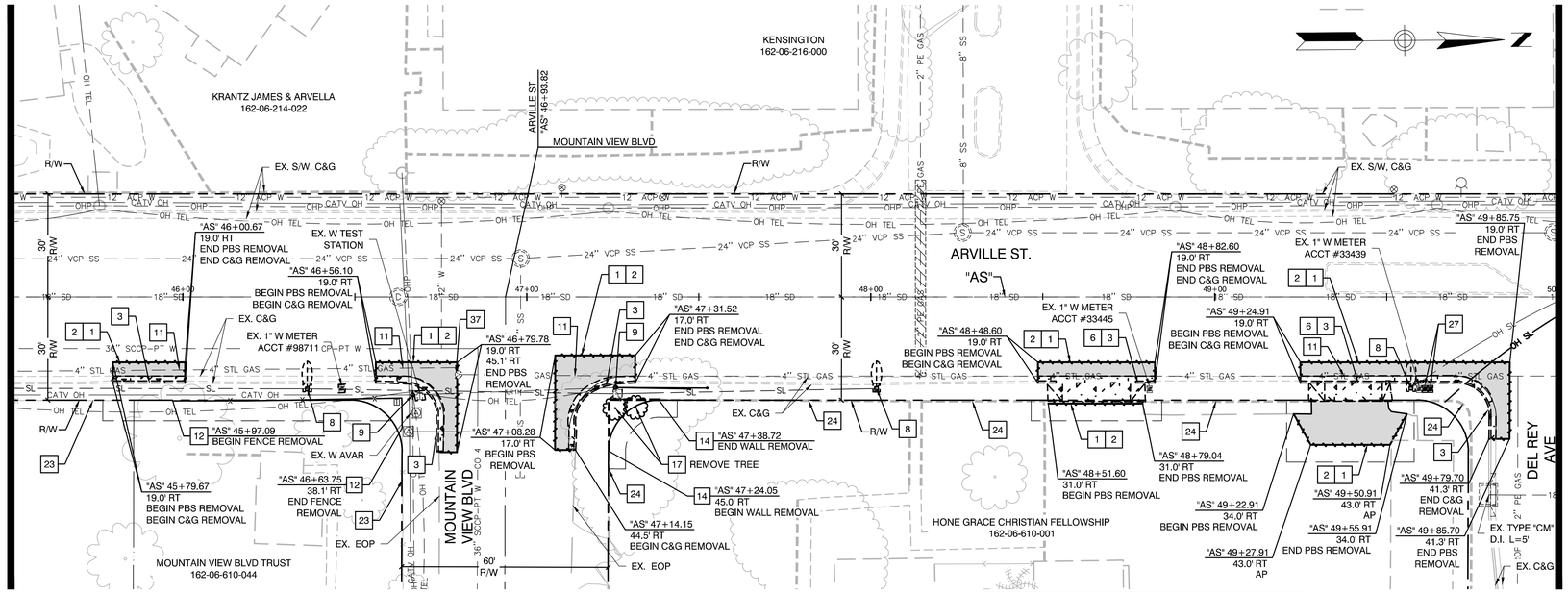
SHEET
DEMOLITION & CONSTRUCTION PLAN
"AS" 41+00 TO "AS" 45+50

NEVADA PROFESSIONAL ENGINEER - STATE OF NEVADA
TIMOTHY A. McCOY
Exp. 12/31/2017
CIVIL
No. 11511
4/25/17

SHEET
C-5
21 OF 74
DRAWING NO.
107V 5837-4

Proj#: 123892 Agr# 11561.2 QS: 162-06 NE

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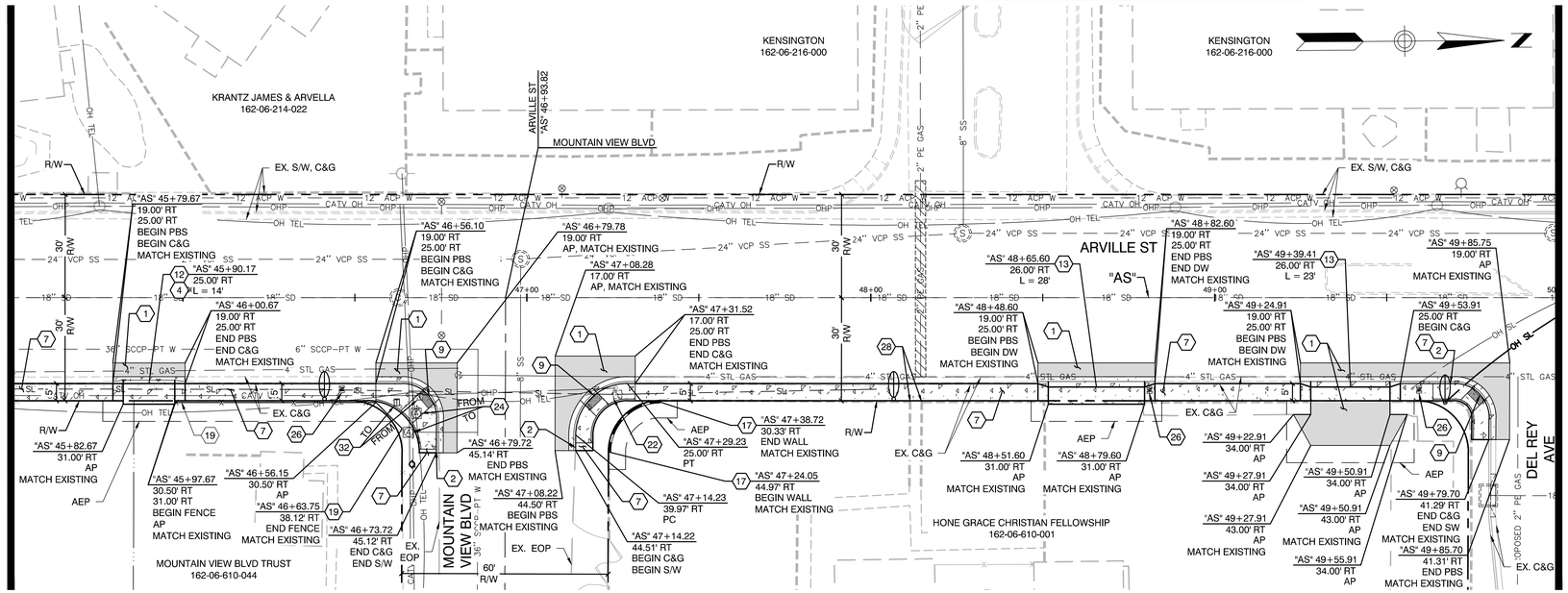


DEMOLITION PLAN

ANY EXISTING WATER METER BOX WITHIN A PROPOSED DRIVEWAY SHALL BE ADJUSTED TO THE NEW GRADE ELEVATION PER THE ATTACHED DETAIL. IF A BOX IS DAMAGED OR IN POOR CONDITION, AS DETERMINED BY THE LVVWD, A NEW ONE WILL BE SUPPLIED BY THE LVVWD AND INSTALLED BY THE CONTRACTOR.

ANY EXISTING WATER METER BOX WITHIN THE WORK AREA SET FOR INSTALLATION OF NEW SIDEWALK, SHALL BE ADJUSTED TO THE NEW GRADE ELEVATION PER UDACS PLATE #4. IF A METER BOX IS DAMAGED OR IN POOR CONDITION, AS DETERMINED BY THE LVVWD, A NEW ONE WILL BE SUPPLIED BY THE LVVWD AND INSTALLED BY THE CONTRACTOR.

WHERE THE WATER METER BOX LOCATION IS IN A DRIVEWAY, THERE SHALL NOT BE ANY JOINTS OR THE SERVICE SHALL BE RELOCATED AT THE SOLE EXPENSE OF THE DEVELOPER.



CONSTRUCTION PLAN

LVVWD NOTE:
PROTECT IN PLACE AND ADJUST LVVWD EXISTING FACILITIES TO FINISHED GRADE.
ALL LVVWD FACILITIES SHALL BE ACCESSIBLE AT ALL TIMES.

GRAPHIC SCALE
20 0 10 20 40
(IN FEET)

APPROVED FOR CONSTRUCTION

SIGNED BY MIKE DISHARI ON 4/19/17 FOR DJM (SEE ORIGINAL MYLAR)

LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER

DATE: PROJECT# 123892

LEGEND

- REMOVE/CONSTRUCT PLANTMIX BITUMINOUS SURFACE (SEE TYPICAL SECTIONS FOR PAVEMENT SECTION)
- REMOVE/CONSTRUCT CONCRETE
- REMOVE/INSTALL LANDSCAPING ROCK

CALL BEFORE CONSTRUCTION

BEFORE YOU DIG	USA NORTH	811 OR 800-227-2600
BEFORE YOU UNDERGROUND	F.A.S.T.	702-432-5300
	CLARK COUNTY TRAFFIC OPERATIONS	702-455-7511
	CITY OF LAS VEGAS T.E.F.O.	702-229-6611
BEFORE YOU OVERHEAD	NV ENERGY	702-227-2929

DEMOLITION NOTES

1. SAWCUT & MATCH EXISTING
2. REMOVE BITUMINOUS SURFACE AND AGGREGATE BASE
3. REMOVE CONCRETE CURB & GUTTER
4. REMOVE CONCRETE CURB
5. REMOVE CONCRETE MEDIAN
6. REMOVE CONCRETE SIDEWALK AND/OR DRIVEWAY
7. REMOVE LANDSCAPING ROCK
8. REMOVE STREET LIGHT POLE (SEE LIGHTING PLANS)
9. REMOVE & RELOCATE POWER POLE (BY NV ENERGY)
10. REMOVE & RELOCATE GAS VALVE (BY SWG)
11. PROTECT GAS LINE IN-PLACE
12. REMOVE CHAIN-LINK, WROUGHT IRON OR METAL FENCE & GATES & SALVAGE FOR RE-USE
13. REMOVE CHAIN-LINK, WROUGHT IRON OR METAL FENCE & GATES & DISPOSE (SUB-STANDARD FENCING)
14. REMOVE CONCRETE/CMU WALL
15. REMOVE CONCRETE CROSS GUTTER AND/OR SPANDREL
16. REMOVE FIRE HYDRANT & RELOCATE (UDACS PLATE # 40)
17. REMOVE/TRIM TREE/STUMP/BUSH AS REQUIRED FOR PROPOSED IMPROVEMENT INSTALLATION AS DIRECTED BY ENGINEER
18. REFER TO SPECIAL PROVISION SECTIONS 212 & 213 FOR LANDSCAPE AND IRRIGATION PROTECTION, REMOVAL & RESTORATION
19. RELOCATE BOULDER
20. REMOVE BOLLARD
21. REMOVE DROP INLET (SEE DETAILED GRADING PLANS)
22. REMOVE GUY WIRE (BY NV ENERGY)
23. PROTECT CHAIN-LINK, WOOD, WROUGHT IRON OR METAL FENCE & GATES IN-PLACE
24. PROTECT CONCRETE/CMU BLOCK WALL IN-PLACE
25. PROTECT CONCRETE CROSS GUTTER IN-PLACE
26. PROTECT FIRE HYDRANT IN-PLACE
27. REMOVE WATER METER BOXES
28. PROTECT PULLBOX AND UTILITY (COX, CENTURYLINK, NV ENERGY, TRAFFIC SIGNAL, STREET LIGHT)
29. PROTECT AVAR
30. PROTECT UTILITY POLE AND/OR GUY WIRE IN-PLACE
31. PROTECT PULLBOX IN-PLACE
32. PROTECT SIGNAL AND/OR PED POLE
33. PROTECT MAILBOX IN PLACE
34. PROTECT DROP INLET
35. REMOVE 6" WATER LINE
36. RELOCATE MAILBOX 6" MIN BEHIND PROPOSED BACK OF SIDEWALK
37. PROTECT GAS VALVE IN PLACE
38. PROTECT WATER TEST STATION

CONSTRUCTION NOTES

1. CONSTRUCT PLANTMIX BITUMINOUS SURFACE OVER TYPE II AGGREGATE BASE (SEE TYPICAL SECTIONS)
2. CONSTRUCT CONCRETE 'L' TYPE CURB & GUTTER (USDCCA STD. DWG. NO. 216)
3. CONSTRUCT CONCRETE 'A' TYPE CURB & GUTTER (USDCCA STD. DWG. NO. 219)
4. CONSTRUCT CONCRETE 'R' TYPE CURB & GUTTER (USDCCA STD. DWG. NO. 217.S2)
5. CONSTRUCT CURB TRANSITION (SEE DETAIL B, SHEET C-19)
6. CONSTRUCT CONCRETE CROSS GUTTER AND/OR SPANDREL (USDCCA STD. DWG. NO. 228)
7. CONSTRUCT CONCRETE SIDEWALK (WIDTH VARIES)(USDCCA STD. DWG. NO. 234)
8. CONSTRUCT SIDEWALK DRAIN (USDCCA STD. DWG. NO. 236)
9. CONSTRUCT SIDEWALK RAMP - CASE I WITH TACTILE WARNING PANEL (USDCCA STD. DWG. NO 235)
10. CONSTRUCT MODIFIED SIDEWALK RAMP - CASE I WITH TACTILE WARNING PANEL (USDCCA STD. DWG. NO 235)(SEE DETAIL C, SHEET C-19)
11. INSTALL TACTILE WARNING PANEL (USDCCA STD. DWG. NO. 235)
12. CONSTRUCT CONCRETE RESIDENTIAL DRIVEWAY (USDCCA STD. DWG. NO. 223)
13. CONSTRUCT CONCRETE COMMERCIAL DRIVEWAY (OPTION A) (USDCCA STD. DWG. NO. 224)
14. CONSTRUCT CONCRETE COMMERCIAL DRIVEWAY (OPTION C) (USDCCA STD. DWG. NO. 226.S1)
15. CONSTRUCT DEPRESSED ALLEY DRIVEWAY (USDCCA STD. DWG. NO. 227.S1)
16. CONSTRUCT BLOCK RETAINING WALL (SEE SOUTHERN NEVADA BUILDING REGIONAL STANDARDS B-100-1)
17. CONSTRUCT CMU WALL (SEE SOUTHERN NEVADA BUILDING REGIONAL STANDARDS B-100-2)
18. REMOVE EXISTING 6" CIP AND RECONNECT FIRE HYDRANT WITH ALL PVC
19. INSTALL SALVAGED CHAIN-LINK FENCE & GATES. (FOUNDATIONS PER USDCCA STD. DWG. NO. 252 & 253)
20. INSTALL CHAIN-LINK FENCE & GATES (MATCH EXISTING) (USDCCA STD. DWG. NO. 252 & 253)
21. RESET EXISTING FIRE HYDRANT ON NEW CONCRETE PAD (UDACS PLATE # 40)
22. ADJUST EXISTING PULLBOX TO FINISHED GRADE (USDCCA STD. DWG. NO. 328)
23. ADJUST EXISTING VALVE BOX TO FINISHED GRADE W/ CONCRETE COLLAR (UDACS PLATE #39). VALVE BOX SHALL BE ACCESSIBLE AT ALL TIMES.
24. RELOCATE AVAR (UDACS PLATE NO. 38)
25. ADJUST SANITARY SEWER MANHOLE TO FINISHED GRADE (DCSWCS DRAWINGS SD-2, SD-4, AND SD-5)
26. ADJUST EXISTING WATER METER BOX TO FINISHED GRADE (UDACS PLATE #4) (SEE DETAIL A, SHEET C-21)
27. INSTALL 1' LANDSCAPING ROCK (APACHE RED)
28. CONSTRUCT MONOLITHIC CURB AT BACK OF SIDEWALK TO MATCH NEW SIDEWALK (SEE DETAIL A, SHEET C-19)
29. ADJUST PULLBOX (BY CENTURYLINK)
30. ADJUST WATER MANHOLE TO FINISHED GRADE (LVVWD DESIGN STD. PL08-4, ACAD STD.) (SEE DETAIL D, SHEET C-19)
31. ADJUST STORM DRAIN MANHOLE TO FINISHED GRADE (USDCCA STD. DWG. NO. 408)
32. RELOCATE WATER TEST STATION TO FINISH GRADE (SEE DETAIL A SHEET A, SHEET C-20)
33. GAS VALVES TO BE ADJUSTED (BY SW GAS)
34. RELOCATE EXISTING WATER METER BOX TO FINISHED GRADE (UDACS PLATE #4)
35. CONSTRUCT CONCRETE 'L' TYPE ISLAND CURB (USDCCA STD. DWG. NO. 219)

NOTES:
1. SEE L-SHEETS FOR STREETLIGHT & STREETLIGHT PULLBOX REMOVALS.
2. SEE ST-SHEETS FOR SIGN REMOVALS.
3. SEE HORIZONTAL CONTROL PLANS FOR GEOMETRY.
4. DIMENSIONS ARE TO CONTROL LINE, BACK OF CURB, BACK OF SIDEWALK AND/OR EDGE OF PAVEMENT, UNLESS OTHERWISE NOTED.

NO.	DATE	REVISIONS

PREPARED BY
GCW ENGINEERS & SURVEYORS
1555 S. RAINBOW BLVD.
LAS VEGAS, NV 89146
T: 702.804.2000
F: 702.804.2299
gcwengineering.com

PREPARED FOR
CITY OF LAS VEGAS

BID# 17-50168
DESIGNED BY: JFG
DRAWN BY: MVD
CHECKED BY: TAM
H# 50168
DATE: 4/25/17
SUBMITTAL STAGE: FINAL

TITLE
SIDEWALK INFILL - ARVILLE STREET, VISTA DRIVE AND HINSON STREET

SHEET
DEMOLITION & CONSTRUCTION PLAN "AS" 45+50 TO "AS" 50+00

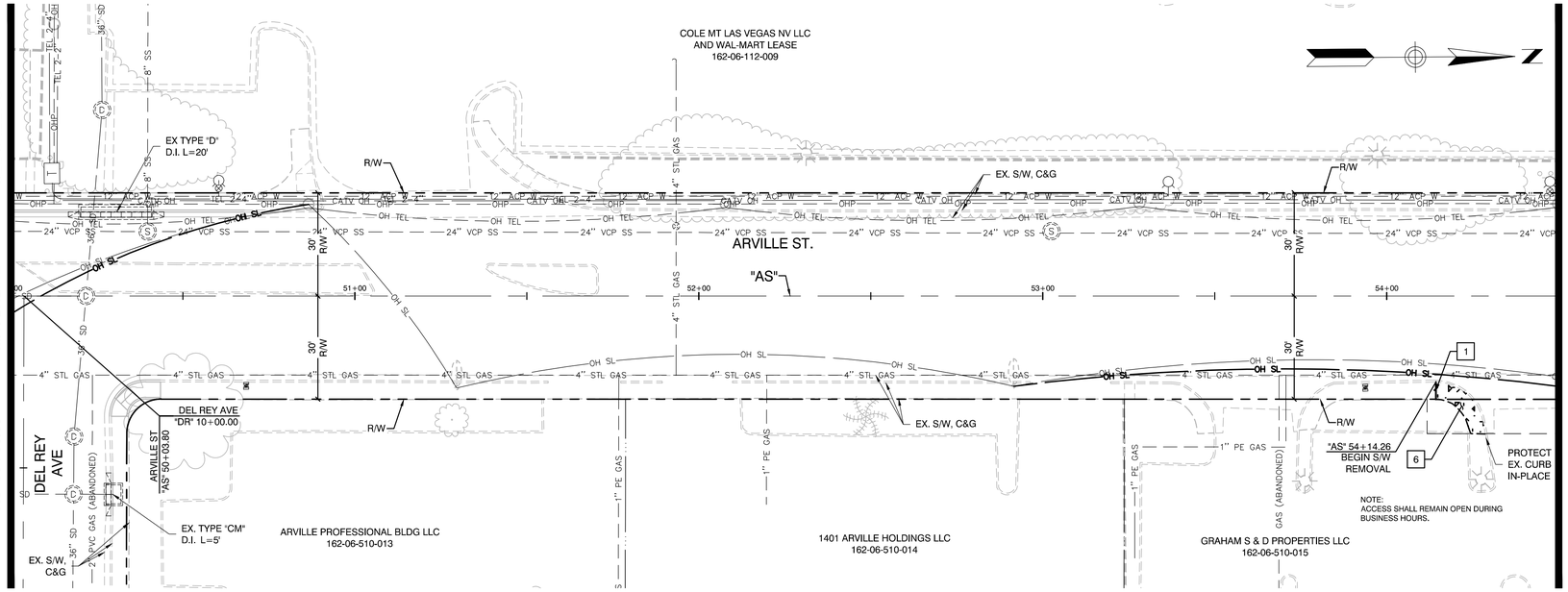
PROFESSIONAL ENGINEER – STATE OF NEVADA
TIMOTHY A. McCOY
Exp. 12/31/2017
CIVIL
No. 11511
4/25/17

SHEET
C-6
22 OF 74

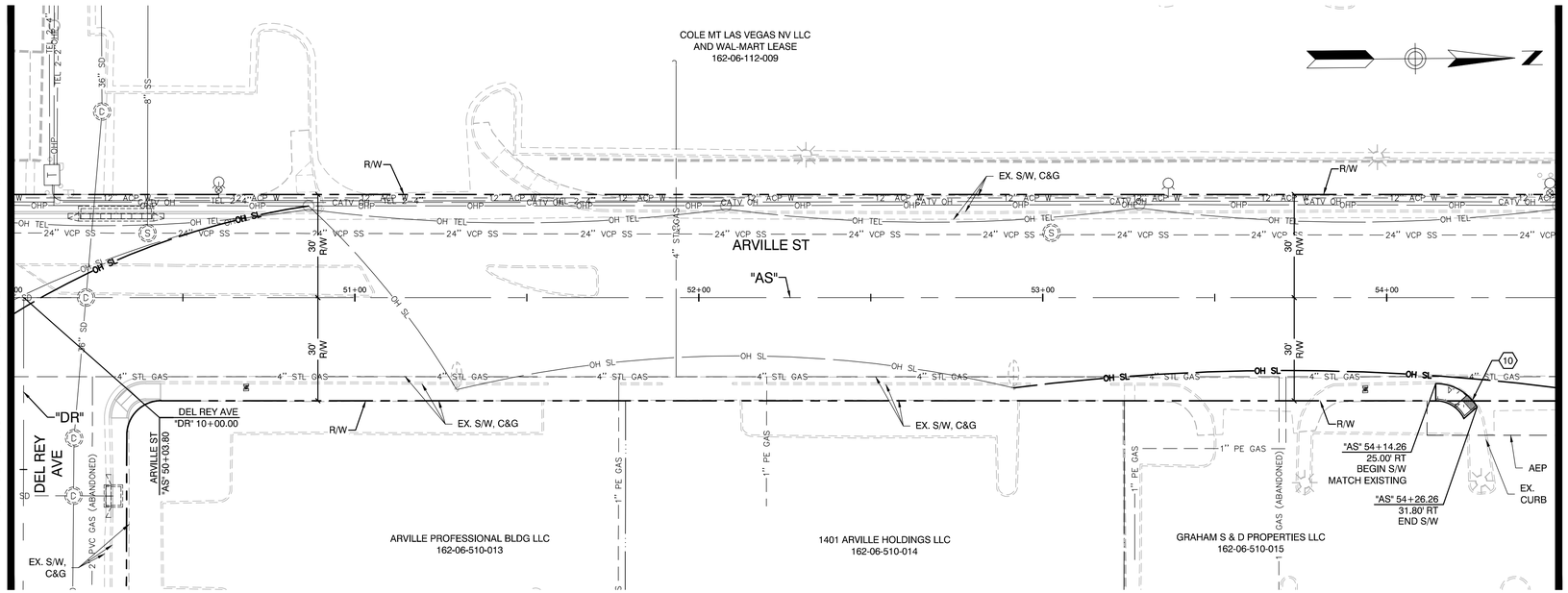
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DEMOLITION PLAN



CONSTRUCTION PLAN

DEMOLITION NOTES

1	SAWCUT & MATCH EXISTING
2	REMOVE BITUMINOUS SURFACE AND AGGREGATE BASE
3	REMOVE CONCRETE CURB & GUTTER
4	REMOVE CONCRETE CURB
5	REMOVE CONCRETE MEDIAN
6	REMOVE CONCRETE SIDEWALK AND/OR DRIVEWAY
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10	REMOVE & RELOCATE GAS VALVE (BY SWG)
11	PROTECT GAS LINE IN-PLACE
12	REMOVE CHAIN-LINK, WROUGHT IRON OR METAL FENCE & GATES & SALVAGE FOR RE-USE
13	REMOVE CHAIN-LINK, WROUGHT IRON OR METAL FENCE & GATES & DISPOSE (SUB-STANDARD FENCING)
14	REMOVE CONCRETE/CMU WALL
15	REMOVE CONCRETE CROSS GUTTER AND/OR SPANDREL
16	REMOVE FIRE HYDRANT & RELOCATE (UDACS PLATE # 40)
17	REMOVE/TRIM TREE/STUMP/BUSH AS REQUIRED FOR PROPOSED IMPROVEMENT INSTALLATION AS DIRECTED BY ENGINEER
18	REFER TO SPECIAL PROVISION SECTIONS 212 & 213 FOR LANDSCAPE AND IRRIGATION PROTECTION, REMOVAL & RESTORATION
19	RELOCATE BOULDER
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29	PROTECT AVAR
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31	PROTECT PULLBOX IN-PLACE
32	PROTECT SIGNAL AND/OR PED POLE
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35	REMOVE 6" WATER LINE
36	RELOCATE MAILBOX 6" MIN BEHIND PROPOSED BACK OF SIDEWALK
37	PROTECT GAS VALVE IN PLACE
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CONSTRUCTION NOTES

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31	ADJUST STORM DRAIN MANHOLE TO FINISHED GRADE (USDCCA STD. DWG. NO. 408)
32	RELOCATE WATER TEST STATION TO FINISH GRADE (SEE DETAIL A SHEET A, SHEET C-20)
33	GAS VALVES TO BE ADJUSTED (BY SW GAS)
34	RELOCATE EXISTING WATER METER BOX TO FINISHED GRADE (UDACS PLATE #4)
35	CONSTRUCT CONCRETE "L" TYPE ISLAND CURB (USDCCA STD. DWG. NO. 219)

NOTES:
1. SEE L-SHEETS FOR STREETLIGHT & STREETLIGHT PULLBOX REMOVALS.
2. SEE ST-SHEETS FOR SIGN REMOVALS.
3. SEE HORIZONTAL CONTROL PLANS FOR GEOMETRY.
4. DIMENSIONS ARE TO CONTROL LINE, BACK OF CURB, BACK OF SIDEWALK AND/OR EDGE OF PAVEMENT, UNLESS OTHERWISE NOTED.

APPROVED FOR CONSTRUCTION

SIGNED BY MIKE DISHARI ON 4/19/17 FOR DJM (SEE ORIGINAL MYLAR)

LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER

DATE: PROJECT# 123892

LEGEND

- REMOVE/CONSTRUCT PLANTMIX BITUMINOUS SURFACE (SEE TYPICAL SECTIONS FOR PAVEMENT SECTION)
- REMOVE/CONSTRUCT CONCRETE
- REMOVE/INSTALL LANDSCAPING ROCK

GRAPHIC SCALE

20 0 10 20 40

(IN FEET)

CALL BEFORE CONSTRUCTION

BEFORE YOU DIG	USA NORTH	811 OR 800-227-2600
BEFORE YOU UNDERGROUND	F.A.S.T.	702-432-5300
	CLARK COUNTY TRAFFIC OPERATIONS	702-455-7511
	CITY OF LAS VEGAS T.E.F.O.	702-229-6611
BEFORE YOU OVERHEAD	NV ENERGY	702-227-2929

NO.	DATE	REVISIONS

PREPARED BY
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gcwengineering.com

PREPARED FOR
CITY OF LAS VEGAS

BID# 17-50168 | DESIGNED BY: JFG
H# 50168 | DRAWN BY: MVD
DATE: 4/25/17 | CHECKED BY: TAM
SUBMITTAL STAGE: FINAL

TITLE
SIDEWALK INFILL - ARVILLE STREET, VISTA DRIVE AND HINSON STREET

SHEET
DEMOLITION & CONSTRUCTION PLAN
"AS" 50+00 TO "AS" 54+50

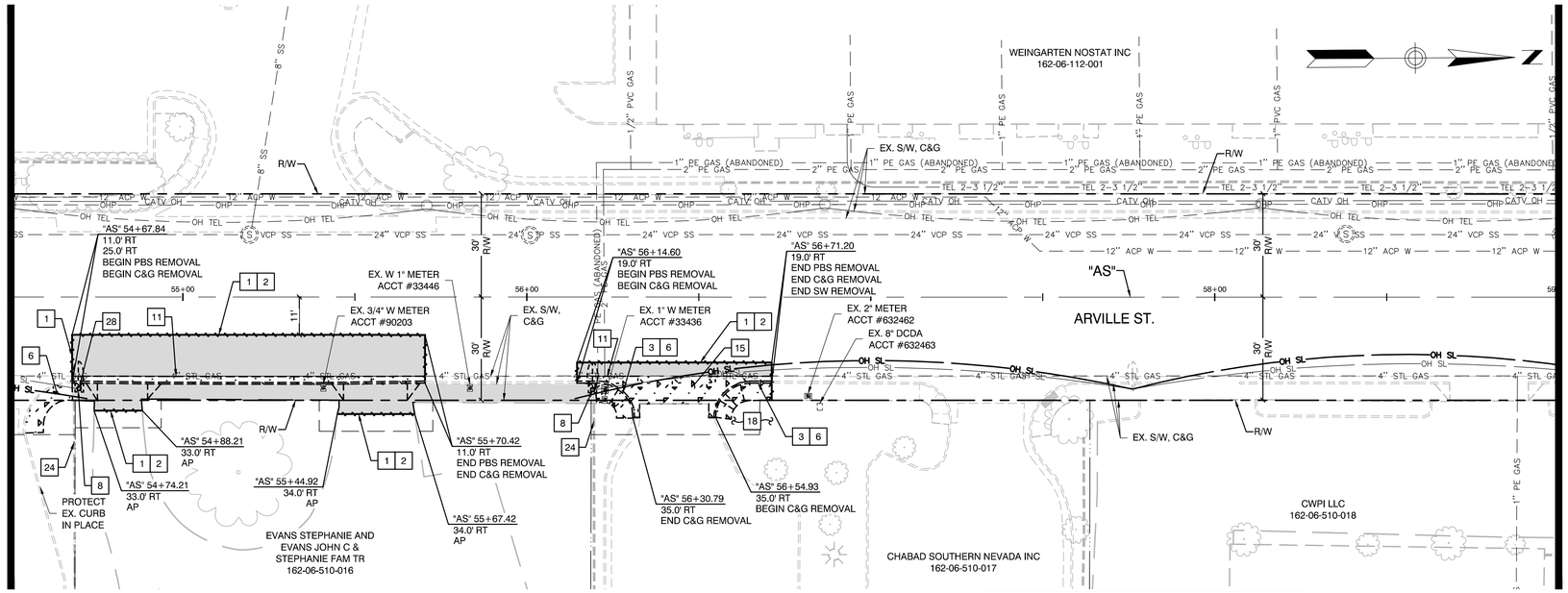
PROFESSIONAL ENGINEER - STATE OF NEVADA
TIMOTHY A. McCOY
Exp. 12/31/2017
CIVIL
No. 11511
4/25/17

SHEET
C-7
23 OF 74

DRAWING NO.
107V 5837-4

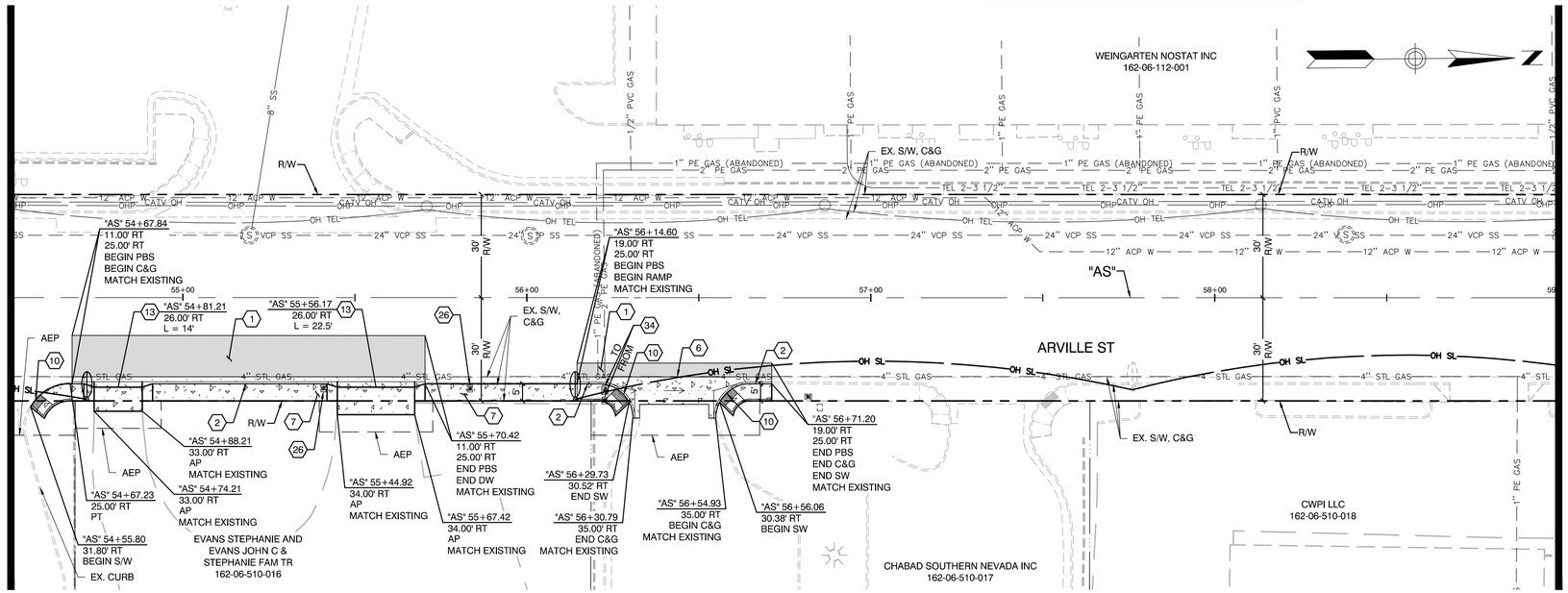
Proj#: 123892 Agr# 115612 GS: 162-06 NE

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DEMOLITION PLAN

ANY EXISTING WATER METER BOX WITHIN THE WORK AREA SET FOR INSTALLATION OF NEW SIDEWALK, SHALL BE ADJUSTED TO THE NEW GRADE ELEVATION PER UDACS PLATE #4. IF A METER BOX IS DAMAGED OR IN POOR CONDITION, AS DETERMINED BY THE LVVWD, A NEW ONE WILL BE SUPPLIED BY THE LVVWD AND INSTALLED BY THE CONTRACTOR.



CONSTRUCTION PLAN

LVVWD NOTE:
PROTECT IN PLACE AND ADJUST LVVWD EXISTING FACILITIES TO FINISHED GRADE.
ALL LVVWD FACILITIES SHALL BE ACCESSIBLE AT ALL TIMES.

GRAPHIC SCALE
20 0 10 20 40
(IN FEET)

APPROVED FOR CONSTRUCTION

SIGNED BY MIKE DISHARI ON 4/19/17 FOR DJM (SEE ORIGINAL MYLAR)

LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER
DATE: PROJECT# 123892

LEGEND

- REMOVE/CONSTRUCT PLANTMIX BITUMINOUS SURFACE (SEE TYPICAL SECTIONS FOR PAVEMENT SECTION)
- REMOVE/CONSTRUCT CONCRETE
- REMOVE/INSTALL LANDSCAPING ROCK

CALL BEFORE CONSTRUCTION

BEFORE YOU DIG	USA NORTH	811 OR 800-227-2600
BEFORE YOU UNDERGROUND	F.A.S.T.	702-432-5300
	CLARK COUNTY TRAFFIC OPERATIONS	702-455-7511
	CITY OF LAS VEGAS T.E.F.O.	702-229-6611
BEFORE YOU OVERHEAD	NV ENERGY	702-227-2929

DEMOLITION NOTES

1. SAWCUT & MATCH EXISTING
2. REMOVE BITUMINOUS SURFACE AND AGGREGATE BASE
3. REMOVE CONCRETE CURB & GUTTER
4. REMOVE CONCRETE CURB
5. REMOVE CONCRETE MEDIAN
6. REMOVE CONCRETE SIDEWALK AND/OR DRIVEWAY
7. REMOVE LANDSCAPING ROCK
8. REMOVE STREET LIGHT POLE (SEE LIGHTING PLANS)
9. REMOVE & RELOCATE POWER POLE (BY NV ENERGY)
10. REMOVE & RELOCATE GAS VALVE (BY SWG)
11. PROTECT GAS LINE IN-PLACE
12. REMOVE CHAIN-LINK, WROUGHT IRON OR METAL FENCE & GATES & SALVAGE FOR RE-USE
13. REMOVE CHAIN-LINK, WROUGHT IRON OR METAL FENCE & GATES & DISPOSE (SUB-STANDARD FENCING)
14. REMOVE CONCRETE/CMU WALL
15. REMOVE CONCRETE CROSS GUTTER AND/OR SPANDREL
16. REMOVE FIRE HYDRANT & RELOCATE (UDACS PLATE # 40)
17. REMOVE/TRIM TREE/STUMP/BUSH AS REQUIRED FOR PROPOSED IMPROVEMENT INSTALLATION AS DIRECTED BY ENGINEER
18. REFER TO SPECIAL PROVISION SECTIONS 212 & 213 FOR LANDSCAPE AND IRRIGATION PROTECTION, REMOVAL & RESTORATION
19. RELOCATE BOULDER
20. REMOVE BOLLARD
21. REMOVE DROP INLET (SEE DETAILED GRADING PLANS)
22. REMOVE GUY WIRE (BY NV ENERGY)
23. PROTECT CHAIN-LINK, WOOD, WROUGHT IRON OR METAL FENCE & GATES IN-PLACE
24. PROTECT CONCRETE/CMU BLOCK WALL IN-PLACE
25. PROTECT CONCRETE CROSS GUTTER IN-PLACE
26. PROTECT FIRE HYDRANT IN-PLACE
27. REMOVE WATER METER BOXES
28. PROTECT PULLBOX AND UTILITY (COX, CENTURYLINK, NV ENERGY, TRAFFIC SIGNAL, STREET LIGHT)
29. PROTECT AVAR
30. PROTECT UTILITY POLE AND/OR GUY WIRE IN-PLACE
31. PROTECT PULLBOX IN-PLACE
32. PROTECT SIGNAL AND/OR PED POLE
33. PROTECT MAILBOX IN PLACE
34. PROTECT DROP INLET
35. REMOVE 6" WATER LINE
36. RELOCATE MAILBOX 6" MIN BEHIND PROPOSED BACK OF SIDEWALK
37. PROTECT GAS VALVE IN PLACE
38. PROTECT WATER TEST STATION

CONSTRUCTION NOTES

1. CONSTRUCT PLANTMIX BITUMINOUS SURFACE OVER TYPE II AGGREGATE BASE (SEE TYPICAL SECTIONS)
2. CONSTRUCT CONCRETE 'L' TYPE CURB & GUTTER (USDCCA STD. DWG. NO. 216)
3. CONSTRUCT CONCRETE 'A' TYPE CURB & GUTTER (USDCCA STD. DWG. NO. 219)
4. CONSTRUCT CONCRETE 'R' TYPE CURB & GUTTER (USDCCA STD. DWG. NO. 217.S2)
5. CONSTRUCT CURB TRANSITION (SEE DETAIL B, SHEET C-19)
6. CONSTRUCT CONCRETE CROSS GUTTER AND/OR SPANDREL (USDCCA STD. DWG. NO. 228)
7. CONSTRUCT CONCRETE SIDEWALK (WIDTH VARIES)(USDCCA STD. DWG. NO. 234)
8. CONSTRUCT SIDEWALK DRAIN (USDCCA STD. DWG. NO. 236)
9. CONSTRUCT SIDEWALK RAMP - CASE I WITH TACTILE WARNING PANEL (USDCCA STD. DWG. NO 235)
10. CONSTRUCT MODIFIED SIDEWALK RAMP - CASE I WITH TACTILE WARNING PANEL (USDCCA STD. DWG. NO 235)(SEE DETAIL C, SHEET C-19)
11. INSTALL TACTILE WARNING PANEL (USDCCA STD. DWG. NO. 235)
12. CONSTRUCT CONCRETE RESIDENTIAL DRIVEWAY (USDCCA STD. DWG. NO. 223)
13. CONSTRUCT CONCRETE COMMERCIAL DRIVEWAY (OPTION A) (USDCCA STD. DWG. NO. 224)
14. CONSTRUCT CONCRETE COMMERCIAL DRIVEWAY (OPTION C) (USDCCA STD. DWG. NO. 226.S1)
15. CONSTRUCT DEPRESSED ALLEY DRIVEWAY (USDCCA STD. DWG. NO. 227.S1)
16. CONSTRUCT BLOCK RETAINING WALL (SEE SOUTHERN NEVADA BUILDING REGIONAL STANDARDS B-100-1)
17. CONSTRUCT CMU WALL (SEE SOUTHERN NEVADA BUILDING REGIONAL STANDARDS B-100-2)
18. REMOVE EXISTING 6" CIP AND RECONNECT FIRE HYDRANT WITH ALL PVC
19. INSTALL SALVAGED CHAIN-LINK FENCE & GATES. (FOUNDATIONS PER USDCCA STD. DWG. NO. 252 & 253)
20. INSTALL CHAIN-LINK FENCE & GATES (MATCH EXISTING) (USDCCA STD. DWG. NO. 252 & 253)
21. RESET EXISTING FIRE HYDRANT ON NEW CONCRETE PAD (UDACS PLATE # 40)
22. ADJUST EXISTING PULLBOX TO FINISHED GRADE (USDCCA STD. DWG. NO. 328)
23. ADJUST EXISTING VALVE BOX TO FINISHED GRADE W/ CONCRETE COLLAR (UDACS PLATE #39). VALVE BOX SHALL BE ACCESSIBLE AT ALL TIMES.
24. RELOCATE AVAR (UDACS PLATE NO. 38)
25. ADJUST SANITARY SEWER MANHOLE TO FINISHED GRADE (DCSWCS DRAWINGS SD-2, SD-4, AND SD-5)
26. ADJUST EXISTING WATER METER BOX TO FINISHED GRADE (UDACS PLATE #4) (SEE DETAIL A, SHEET C-21)
27. INSTALL 1" LANDSCAPING ROCK (APACHE RED)
28. CONSTRUCT MONOLITHIC CURB AT BACK OF SIDEWALK TO MATCH NEW SIDEWALK (SEE DETAIL A, SHEET C-19)
29. ADJUST PULLBOX (BY CENTURYLINK)
30. ADJUST WATER MANHOLE TO FINISHED GRADE (LVVWD DESIGN STD. PL08-4, ACAD STD.) (SEE DETAIL D, SHEET C-19)
31. ADJUST STORM DRAIN MANHOLE TO FINISHED GRADE (USDCCA STD. DWG. NO. 408)
32. RELOCATE WATER TEST STATION TO FINISH GRADE (SEE DETAIL A SHEET A, SHEET C-20)
33. GAS VALVES TO BE ADJUSTED (BY SW GAS)
34. RELOCATE EXISTING WATER METER BOX TO FINISHED GRADE (UDACS PLATE #4)
35. CONSTRUCT CONCRETE 'L' TYPE ISLAND CURB (USDCCA STD. DWG. NO. 219)

NOTES:
1. SEE L-SHEETS FOR STREETLIGHT & STREETLIGHT PULLBOX REMOVALS.
2. SEE ST-SHEETS FOR SIGN REMOVALS.
3. SEE HORIZONTAL CONTROL PLANS FOR GEOMETRY.
4. DIMENSIONS ARE TO CONTROL LINE, BACK OF CURB, BACK OF SIDEWALK AND/OR EDGE OF PAVEMENT, UNLESS OTHERWISE NOTED.

NO.	DATE	REVISIONS

PREPARED BY
GCW ENGINEERS \ SURVEYORS
1555 S. RAINBOW BLVD.
LAS VEGAS, NV 89146
T: 702.804.2000
F: 702.804.2299
gcwengineersmg.com

PREPARED FOR
CITY OF LAS VEGAS

BID# 17-50168 | DESIGNED BY: JFG | DRAWN BY: MVD | CHECKED BY: TAM
H# 50168 | DATE: 4/25/17 | SUBMITTAL STAGE: FINAL

TITLE
SIDEWALK INFILL - ARVILLE STREET, VISTA DRIVE AND HINSON STREET

SHEET
DEMOLITION & CONSTRUCTION PLAN
"AS" 54+50 TO "AS" 59+00

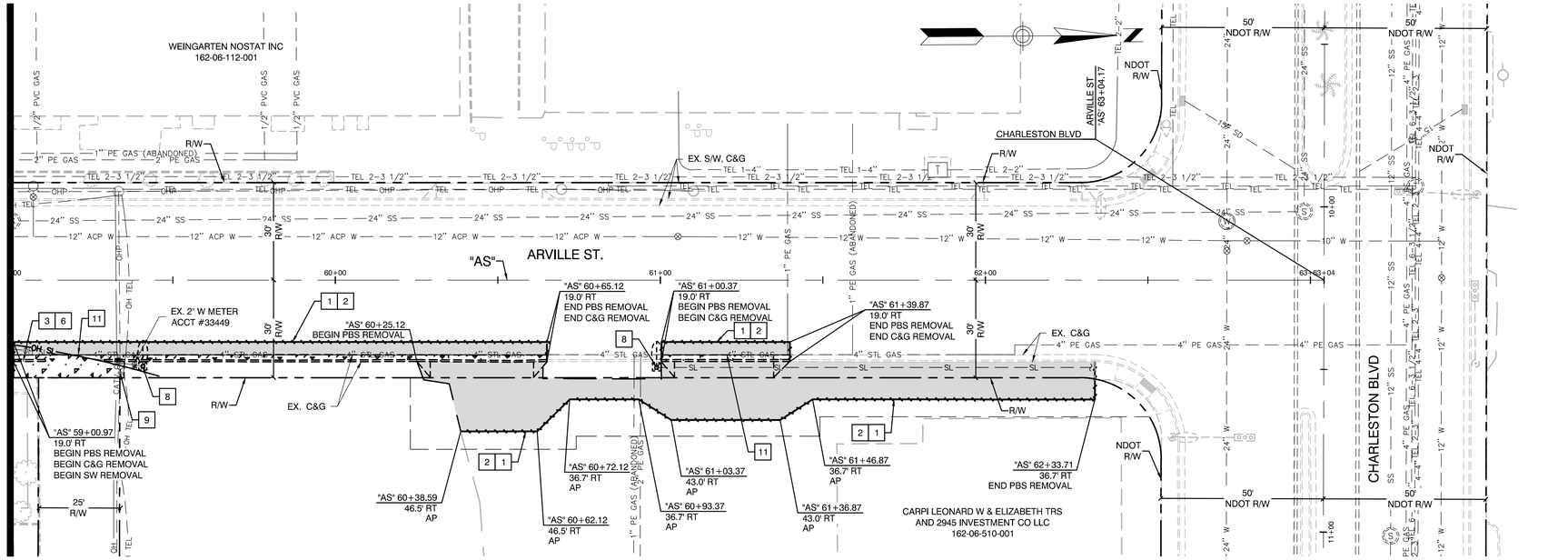
PROFESSIONAL ENGINEER - STATE OF NEVADA
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SHEET
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24 OF 74

DRAWING NO.
107V 5837-4

Proj#: 123892 Agr# 115612 QS: 162-06 NE

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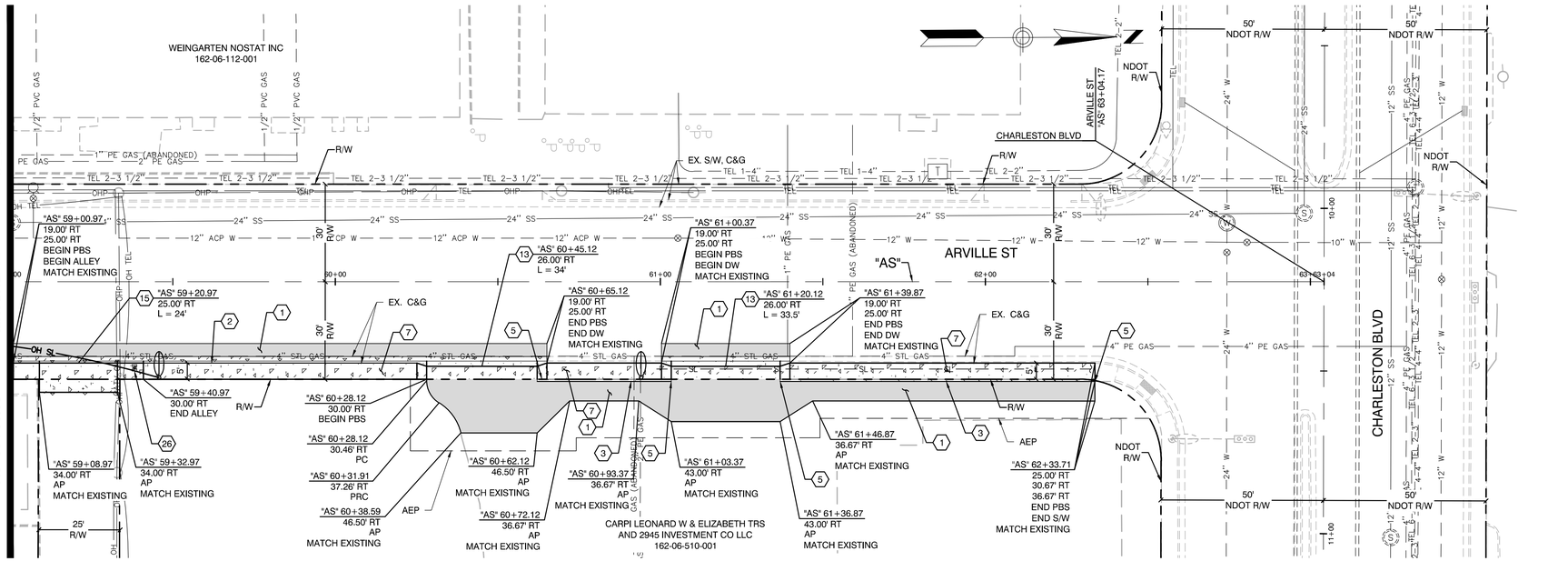
DEMOLITION PLAN

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WHERE THE WATER METER BOX LOCATION IS IN A DRIVEWAY, THERE SHALL NOT BE ANY JOINTS OR THE SERVICE SHALL BE RELOCATED AT THE SOLE EXPENSE OF THE DEVELOPER.

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CONSTRUCTION PLAN

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NOTES:
1. SEE L-SHEETS FOR STREETLIGHT & STREETLIGHT PULLBOX REMOVALS.
2. SEE ST-SHEETS FOR SIGN REMOVALS.
3. SEE HORIZONTAL CONTROL PLANS FOR GEOMETRY.
4. DIMENSIONS ARE TO CONTROL LINE, BACK OF CURB, BACK OF SIDEWALK AND/OR EDGE OF PAVEMENT, UNLESS OTHERWISE NOTED.

LEGEND

- REMOVE/CONSTRUCT PLANTMIX BITUMINOUS SURFACE (SEE TYPICAL SECTIONS FOR PAVEMENT SECTION)
- REMOVE/CONSTRUCT CONCRETE
- REMOVE/INSTALL LANDSCAPING ROCK

GRAPHIC SCALE
20 0 10 20 40
(IN FEET)

CALL BEFORE CONSTRUCTION

BEFORE YOU DIG	USA NORTH	811 OR 800-227-2600
BEFORE YOU UNDERGROUND	F.A.S.T.	702-432-5300
	CLARK COUNTY TRAFFIC OPERATIONS	702-455-7511
	CITY OF LAS VEGAS T.E.F.O.	702-229-6611
BEFORE YOU OVERHEAD	NV ENERGY	702-227-2929

APPROVED FOR CONSTRUCTION

SIGNED BY MIKE DISHARI ON 4/19/17 FOR DJM (SEE ORIGINAL MYLAR)

LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER

DATE: PROJECT# 123892

PREPARED BY
GCW ENGINEERS \ SURVEYORS
1555 S. RAINBOW BLVD.
LAS VEGAS, NV 89146
T: 702.804.2000
F: 702.804.2299
gcwengineering.com

NO.	DATE	REVISIONS

PREPARED FOR
CITY OF LAS VEGAS

BID# 17-50168
DESIGNED BY: JFG
DRAWN BY: MVD
CHECKED BY: TAM

H# 50168
DATE: 4/25/17
SUBMITTAL STAGE: FINAL

TITLE
SIDEWALK INFILL - ARVILLE STREET, VISTA DRIVE AND HINSON STREET

SHEET
DEMOLITION & CONSTRUCTION PLAN "AS" 59+00 TO "AS" 63+04.17

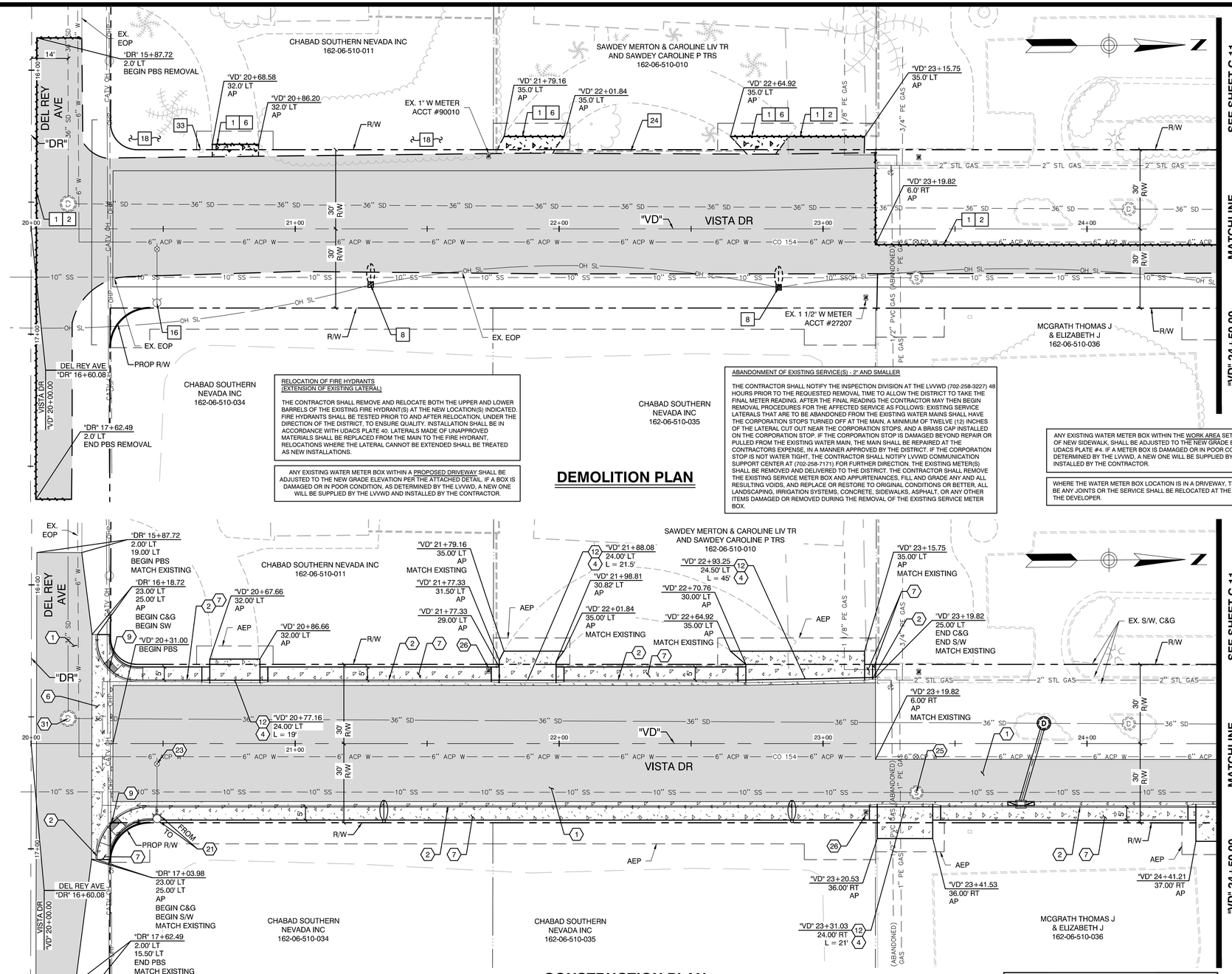
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Proj#: 123892 Agr# 11561.2 QS: 162-06 NE

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DEMOLITION PLAN

RELOCATION OF FIRE HYDRANTS
(EXTENSION OF EXISTING LATERAL)

THE CONTRACTOR SHALL REMOVE AND RELOCATE BOTH THE UPPER AND LOWER BARRELS OF THE EXISTING FIRE HYDRANT(S) AT THE NEW LOCATION(S) INDICATED. FIRE HYDRANTS SHALL BE TESTED PRIOR TO AND AFTER RELOCATION, UNDER THE DIRECTION OF THE DISTRICT, TO ENSURE QUALITY. INSTALLATION SHALL BE IN ACCORDANCE WITH UDACS PLATE 40. LATERALS MADE OF UNAPPROVED MATERIALS SHALL BE REPLACED FROM THE MAIN TO THE FIRE HYDRANT, RELOCATIONS WHERE THE LATERAL CANNOT BE EXTENDED SHALL BE TREATED AS NEW INSTALLATIONS.

ANY EXISTING WATER METER BOX WITHIN A PROPOSED DRIVEWAY SHALL BE ADJUSTED TO THE NEW GRADE ELEVATION PER THE ATTACHED DETAIL. IF A BOX IS DAMAGED OR IN POOR CONDITION, AS DETERMINED BY THE LVVWD, A NEW ONE WILL BE SUPPLIED BY THE LVVWD AND INSTALLED BY THE CONTRACTOR.

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 STOPS, 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 CONTRACTORS 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 CONDITIONS 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.

ANY EXISTING WATER METER BOX WITHIN THE WORK AREA SET FOR INSTALLATION OF NEW SIDEWALK, SHALL BE ADJUSTED TO THE NEW GRADE ELEVATION PER UDACS PLATE #4. IF A METER BOX IS DAMAGED OR IN POOR CONDITION, AS DETERMINED BY THE LVVWD, A NEW ONE WILL BE SUPPLIED BY THE LVVWD AND INSTALLED BY THE CONTRACTOR.

WHERE THE WATER METER BOX LOCATION IS IN A DRIVEWAY, THERE SHALL NOT BE ANY JOINTS OR THE SERVICE SHALL BE RELOCATED AT THE SOLE EXPENSE OF THE DEVELOPER.

DEMOLITION NOTES

1	SAWCUT & MATCH EXISTING
2	REMOVE BITUMINOUS SURFACE AND AGGREGATE BASE
3	REMOVE CONCRETE CURB & GUTTER
4	REMOVE CONCRETE CURB
5	REMOVE CONCRETE MEDIAN
6	REMOVE CONCRETE SIDEWALK AND/OR DRIVEWAY
7	REMOVE LANDSCAPING ROCK
8	REMOVE STREET LIGHT POLE (SEE LIGHTING PLANS)
9	REMOVE & RELOCATE POWER POLE (BY NV ENERGY)
10	REMOVE & RELOCATE GAS VALVE (BY SWG)
11	PROTECT GAS LINE IN-PLACE
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19	RELOCATE BOULDER
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21	REMOVE DROP INLET (SEE DETAILED GRADING PLANS)
22	REMOVE GUY WIRE (BY NV ENERGY)
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24	PROTECT CONCRETE/CMU BLOCK WALL IN-PLACE
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26	PROTECT FIRE HYDRANT IN-PLACE
27	REMOVE WATER METER BOXES
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33	PROTECT MAILBOX IN PLACE
34	PROTECT DROP INLET
35	REMOVE 6" WATER LINE
36	RELOCATE MAILBOX 6" MIN BEHIND PROPOSED BACK OF SIDEWALK
37	PROTECT GAS VALVE IN PLACE
38	PROTECT WATER TEST STATION

CONSTRUCTION PLAN

LVVWD NOTE:
PROTECT IN PLACE AND ADJUST LVVWD EXISTING FACILITIES TO FINISHED GRADE.
ALL LVVWD FACILITIES SHALL BE ACCESSIBLE AT ALL TIMES.

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2	CONSTRUCT CONCRETE 'L' TYPE CURB & GUTTER (USDCCA STD. DWG. NO. 216)
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4	CONSTRUCT CONCRETE 'R' TYPE CURB & GUTTER (USDCCA STD. DWG. NO. 217.S2)
5	CONSTRUCT CURB TRANSITION (SEE DETAIL B, SHEET C-19)
6	CONSTRUCT CONCRETE CROSS GUTTER AND/OR SPANDREL (USDCCA STD. DWG. NO. 228)
7	CONSTRUCT CONCRETE SIDEWALK (WIDTH VARIES)(USDCCA STD. DWG. NO. 234)
8	CONSTRUCT SIDEWALK DRAIN (USDCCA STD. DWG. NO. 236)
9	CONSTRUCT SIDEWALK RAMP - CASE I WITH TACTILE WARNING PANEL (USDCCA STD. DWG. NO 235)
10	CONSTRUCT MODIFIED SIDEWALK RAMP - CASE I WITH TACTILE WARNING PANEL (USDCCA STD. DWG. NO 235)(SEE DETAIL C, SHEET C-19)
11	INSTALL TACTILE WARNING PANEL (USDCCA STD. DWG. NO. 235)
12	CONSTRUCT CONCRETE RESIDENTIAL DRIVEWAY (USDCCA STD. DWG. NO. 223)
13	CONSTRUCT CONCRETE COMMERCIAL DRIVEWAY (OPTION A) (USDCCA STD. DWG. NO. 224)
14	CONSTRUCT CONCRETE COMMERCIAL DRIVEWAY (OPTION C) (USDCCA STD. DWG. NO. 226.S1)
15	CONSTRUCT DEPRESSED ALLEY DRIVEWAY (USDCCA STD. DWG. NO. 227.S1)
16	CONSTRUCT BLOCK RETAINING WALL (SEE SOUTHERN NEVADA BUILDING REGIONAL STANDARDS B-100-1)
17	CONSTRUCT CMU WALL (SEE SOUTHERN NEVADA BUILDING REGIONAL STANDARDS B-100-2)
18	REMOVE EXISTING 6" CIP AND RECONNECT FIRE HYDRANT WITH ALL PVC
19	INSTALL SALVAGED CHAIN-LINK FENCE & GATES. (FOUNDATIONS PER USDCCA STD. DWG. NO. 252 & 253)
20	INSTALL CHAIN-LINK FENCE & GATES (MATCH EXISTING) (USDCCA STD. DWG. NO. 252 & 253)
21	RESET EXISTING FIRE HYDRANT ON NEW CONCRETE PAD (UDACS PLATE # 40)
22	ADJUST EXISTING PULLBOX TO FINISHED GRADE (USDCCA STD. DWG. NO. 328)
23	ADJUST EXISTING VALVE BOX TO FINISHED GRADE W/ CONCRETE COLLAR (UDACS PLATE #39). VALVE BOX SHALL BE ACCESSIBLE AT ALL TIMES.
24	RELOCATE AVAR (UDACS PLATE NO. 38)
25	ADJUST SANITARY SEWER MANHOLE TO FINISHED GRADE (DCSWCS DRAWINGS SD-2, SD-4, AND SD-5)
26	ADJUST EXISTING WATER METER BOX TO FINISHED GRADE (UDACS PLATE #4) (SEE DETAIL A, SHEET C-21)
27	INSTALL 1' LANDSCAPING ROCK (APACHE RED)
28	CONSTRUCT MONOLITHIC CURB AT BACK OF SIDEWALK TO MATCH NEW SIDEWALK (SEE DETAIL A, SHEET C-19)
29	ADJUST PULLBOX (BY CENTURYLINK)
30	ADJUST WATER MANHOLE TO FINISHED GRADE (LVVWD DESIGN STD. PL08-4, ACAD STD.) (SEE DETAIL D, SHEET C-19)
31	ADJUST STORM DRAIN MANHOLE TO FINISHED GRADE (USDCCA STD. DWG. NO. 408)
32	RELOCATE WATER TEST STATION TO FINISH GRADE (SEE DETAIL A SHEET A, SHEET C-20)
33	GAS VALVES TO BE ADJUSTED (BY SW GAS)
34	RELOCATE EXISTING WATER METER BOX TO FINISHED GRADE (UDACS PLATE #4)
35	CONSTRUCT CONCRETE 'L' TYPE ISLAND CURB (USDCCA STD. DWG. NO. 219)

NOTES:
1. SEE L-SHEETS FOR STREETLIGHT & STREETLIGHT PULLBOX REMOVALS.
2. SEE ST-SHEETS FOR SIGN REMOVALS.
3. SEE HORIZONTAL CONTROL PLANS FOR GEOMETRY.
4. DIMENSIONS ARE TO CONTROL LINE, BACK OF CURB, BACK OF SIDEWALK AND/OR EDGE OF PAVEMENT, UNLESS OTHERWISE NOTED.

LEGEND

- REMOVE/CONSTRUCT PLANTMIX BITUMINOUS SURFACE (SEE TYPICAL SECTIONS FOR PAVEMENT SECTION)
- REMOVE/CONSTRUCT CONCRETE
- REMOVE/INSTALL LANDSCAPING ROCK

GRAPHIC SCALE
20 0 10 20 40
(IN FEET)

CALL BEFORE CONSTRUCTION

BEFORE YOU DIG	USA NORTH	811 OR 800-227-2600
BEFORE YOU UNDERGROUND	F.A.S.T.	702-432-5300
	CLARK COUNTY TRAFFIC OPERATIONS	702-455-7511
	CITY OF LAS VEGAS T.E.F.O.	702-229-6611
BEFORE YOU OVERHEAD	NV ENERGY	702-227-2929

APPROVED FOR CONSTRUCTION

SIGNED BY MIKE DISHARI ON 4/19/17 FOR DJM (SEE ORIGINAL MYLAR)

LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER

DATE: PROJECT# 123892

NO.	DATE	REVISIONS

PREPARED BY
GCW ENGINEERS \ SURVEYORS
1555 S. RAINBOW BLVD.
LAS VEGAS, NV 89146
T: 702.804.2000
F: 702.804.2299
gcwengineering.com

PREPARED FOR
CITY OF LAS VEGAS

BID# 17-50168
H# 50168
DATE: 4/25/17
SUBMITTAL STAGE: FINAL
DESIGNED BY: JFG
DRAWN BY: MVD
CHECKED BY: TAM

TITLE
SIDEWALK INFILL - ARVILLE STREET, VISTA DRIVE AND HINSON STREET

SHEET
DEMOLITION & CONSTRUCTION PLAN
"VD" 20+00 TO "VD" 24+50

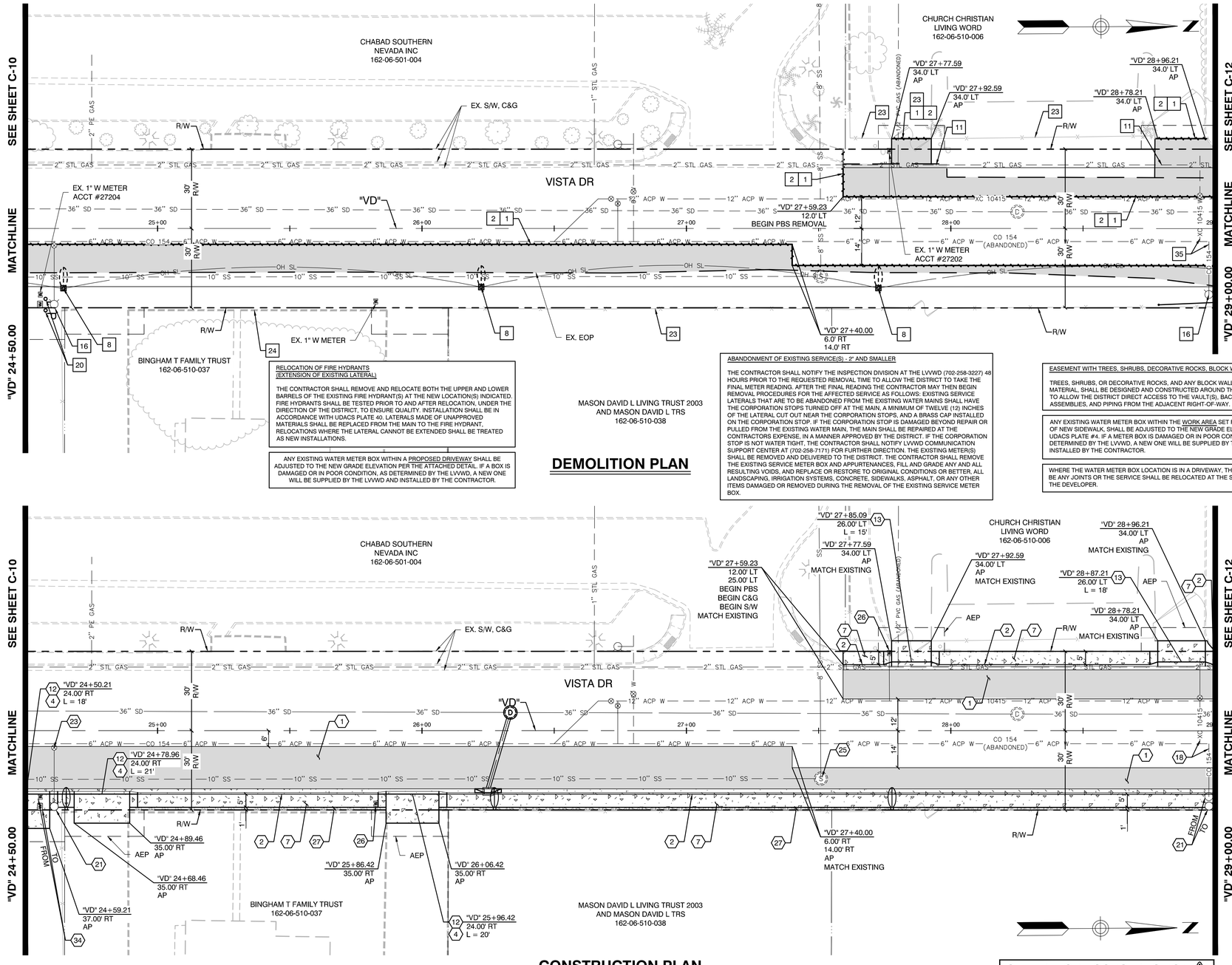
PROFESSIONAL ENGINEER - STATE OF NEVADA
TIMOTHY A. McCOY
Exp. 12/31/2017
CIVIL
No. 11511
4/25/17

SHEET
C-10
26 OF 74

DRAWING NO.
107V 5837-4

Proj#: 123892 Agr# 115612 OS: 162-06 NE

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DEMOLITION PLAN

RELOCATION OF FIRE HYDRANTS
(EXTENSION OF EXISTING LATERAL)

THE CONTRACTOR SHALL REMOVE AND RELOCATE BOTH THE UPPER AND LOWER BARRELS OF THE EXISTING FIRE HYDRANT(S) AT THE NEW LOCATION(S) INDICATED. FIRE HYDRANTS SHALL BE TESTED PRIOR TO AND AFTER RELOCATION, UNDER THE DIRECTION OF THE DISTRICT, TO ENSURE QUALITY. INSTALLATION SHALL BE IN ACCORDANCE WITH UDACS PLATE 40. LATERALS MADE OF UNAPPROVED MATERIALS SHALL BE REPLACED FROM THE MAIN TO THE FIRE HYDRANT, RELOCATIONS WHERE THE LATERAL CANNOT BE EXTENDED SHALL BE TREATED AS NEW INSTALLATIONS.

ANY EXISTING WATER METER BOX WITHIN A PROPOSED DRIVEWAY SHALL BE ADJUSTED TO THE NEW GRADE ELEVATION PER THE ATTACHED DETAIL. IF A BOX IS DAMAGED OR IN POOR CONDITION, AS DETERMINED BY THE LVVWD, A NEW ONE WILL BE SUPPLIED BY THE LVVWD AND INSTALLED BY THE CONTRACTOR.

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 STOPS, 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 CONTRACTORS 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 CONDITIONS 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.

EASEMENT WITH TREES, SHRUBS, DECORATIVE ROCKS, BLOCK WALL, OR FENCE

TREES, SHRUBS, OR DECORATIVE ROCKS, AND ANY BLOCK WALL OR OTHER FENCE MATERIAL, SHALL BE DESIGNED AND CONSTRUCTED AROUND THE EASEMENT(S) TO ALLOW THE DISTRICT DIRECT ACCESS TO THE VAULT(S), BACKFLOW ASSEMBLIES, AND PIPING FROM THE ADJACENT RIGHT-OF-WAY.

ANY EXISTING WATER METER BOX WITHIN THE WORK AREA SET FOR INSTALLATION OF NEW SIDEWALK, SHALL BE ADJUSTED TO THE NEW GRADE ELEVATION PER UDACS PLATE #4. IF A METER BOX IS DAMAGED OR IN POOR CONDITION, AS DETERMINED BY THE LVVWD, A NEW ONE WILL BE SUPPLIED BY THE LVVWD AND INSTALLED BY THE CONTRACTOR.

WHERE THE WATER METER BOX LOCATION IS IN A DRIVEWAY, THERE SHALL NOT BE ANY JOINTS OR THE SERVICE SHALL BE RELOCATED AT THE SOLE EXPENSE OF THE DEVELOPER.

DEMOLITION NOTES

1	SAWCUT & MATCH EXISTING
2	REMOVE BITUMINOUS SURFACE AND AGGREGATE BASE
3	REMOVE CONCRETE CURB & GUTTER
4	REMOVE CONCRETE CURB
5	REMOVE CONCRETE MEDIAN
6	REMOVE CONCRETE SIDEWALK AND/OR DRIVEWAY
7	REMOVE LANDSCAPING ROCK
8	REMOVE STREET LIGHT POLE (SEE LIGHTING PLANS)
9	REMOVE & RELOCATE POWER POLE (BY NV ENERGY)
10	REMOVE & RELOCATE GAS VALVE (BY SWG)
11	PROTECT GAS LINE IN-PLACE
12	REMOVE CHAIN-LINK, WROUGHT IRON OR METAL FENCE & GATES & SALVAGE FOR RE-USE
13	REMOVE CHAIN-LINK, WROUGHT IRON OR METAL FENCE & GATES & DISPOSE (SUB-STANDARD FENCING)
14	REMOVE CONCRETE/CMU WALL
15	REMOVE CONCRETE CROSS GUTTER AND/OR SPANDREL
16	REMOVE FIRE HYDRANT & RELOCATE (UDACS PLATE # 40)
17	REMOVE/TRIM TREE/STUMP/BUSH AS REQUIRED FOR PROPOSED IMPROVEMENT INSTALLATION AS DIRECTED BY ENGINEER
18	REFER TO SPECIAL PROVISION SECTIONS 212 & 213 FOR LANDSCAPE AND IRRIGATION PROTECTION, REMOVAL & RESTORATION
19	RELOCATE BOULDER
20	REMOVE BOLLARD
21	REMOVE DROP INLET (SEE DETAILED GRADING PLANS)
22	REMOVE GUY WIRE (BY NV ENERGY)
23	PROTECT CHAIN-LINK, WOOD, WROUGHT IRON OR METAL FENCE & GATES IN-PLACE
24	PROTECT CONCRETE/CMU BLOCK WALL IN-PLACE
25	PROTECT CONCRETE CROSS GUTTER IN-PLACE
26	PROTECT FIRE HYDRANT IN-PLACE
27	REMOVE WATER METER BOXES
28	PROTECT PULLBOX AND UTILITY (COX, CENTURYLINK, NV ENERGY, TRAFFIC SIGNAL, STREET LIGHT)
29	PROTECT AVAR
30	PROTECT UTILITY POLE AND/OR GUY WIRE IN-PLACE
31	PROTECT PULLBOX IN-PLACE
32	PROTECT SIGNAL AND/OR PED POLE
33	PROTECT MAILBOX IN PLACE
34	PROTECT DROP INLET
35	REMOVE 6" WATER LINE
36	RELOCATE MAILBOX 6" MIN BEHIND PROPOSED BACK OF SIDEWALK
37	PROTECT GAS VALVE IN PLACE
38	PROTECT WATER TEST STATION

CONSTRUCTION PLAN

LVVWD NOTE:
PROTECT IN PLACE AND ADJUST LVVWD EXISTING FACILITIES TO FINISHED GRADE.
ALL LVVWD FACILITIES SHALL BE ACCESSIBLE AT ALL TIMES.

CONSTRUCTION NOTES

1	CONSTRUCT PLANTMIX BITUMINOUS SURFACE OVER TYPE II AGGREGATE BASE (SEE TYPICAL SECTIONS)
2	CONSTRUCT CONCRETE 'L' TYPE CURB & GUTTER (USDCCA STD. DWG. NO. 216)
3	CONSTRUCT CONCRETE 'A' TYPE CURB & GUTTER (USDCCA STD. DWG. NO. 219)
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5	CONSTRUCT CURB TRANSITION (SEE DETAIL B, SHEET C-19)
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19	INSTALL SALVAGED CHAIN-LINK FENCE & GATES. (FOUNDATIONS PER USDCCA STD. DWG. NO. 252 & 253)
20	INSTALL CHAIN-LINK FENCE & GATES (MATCH EXISTING) (USDCCA STD. DWG. NO. 252 & 253)
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26	ADJUST EXISTING WATER METER BOX TO FINISHED GRADE (UDACS PLATE #4) (SEE DETAIL A, SHEET C-21)
27	INSTALL 1" LANDSCAPING ROCK (APACHE RED)
28	CONSTRUCT MONOLITHIC CURB AT BACK OF SIDEWALK TO MATCH NEW SIDEWALK (SEE DETAIL A, SHEET C-19)
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34	RELOCATE EXISTING WATER METER BOX TO FINISHED GRADE (UDACS PLATE #4)
35	CONSTRUCT CONCRETE 'L' TYPE ISLAND CURB (USDCCA STD. DWG. NO. 219)

NOTES:
1. SEE L-SHEETS FOR STREETLIGHT & STREETLIGHT PULLBOX REMOVALS.
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LEGEND

- REMOVE/CONSTRUCT PLANTMIX BITUMINOUS SURFACE (SEE TYPICAL SECTIONS FOR PAVEMENT SECTION)
- REMOVE/CONSTRUCT CONCRETE
- REMOVE/INSTALL LANDSCAPING ROCK

GRAPHIC SCALE
20 0 10 20 40
(IN FEET)

CALL BEFORE CONSTRUCTION

BEFORE YOU DIG	USA NORTH	811 OR 800-227-2600
BEFORE YOU UNDERGROUND	F.A.S.T.	702-432-5300
	CLARK COUNTY TRAFFIC OPERATIONS	702-455-7511
	CITY OF LAS VEGAS T.E.F.O.	702-229-6611
BEFORE YOU OVERHEAD	NV ENERGY	702-227-2929

APPROVED FOR CONSTRUCTION

SIGNED BY MIKE DISHARI ON 4/19/17 FOR DJM (SEE ORIGINAL MYLAR)

LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER

DATE: PROJECT# 123892

NO.	DATE	REVISIONS

PREPARED BY
GCW ENGINEERS \ SURVEYORS
1555 S. RAINBOW BLVD.
LAS VEGAS, NV 89146
T: 702.804.2000
F: 702.804.2299
gcwengineering.com

PREPARED FOR
CITY OF LAS VEGAS

BID# 17-50168
H# 50168

DESIGNED BY: JFG
DRAWN BY: MVD
CHECKED BY: TAM

DATE: 4/25/17

SUBMITTAL STAGE:
FINAL

TITLE
SIDEWALK INFILL - ARVILLE STREET, VISTA DRIVE AND HINSON STREET

SHEET
DEMOLITION & CONSTRUCTION PLAN
"VD" 24+50 TO "VD" 29+00

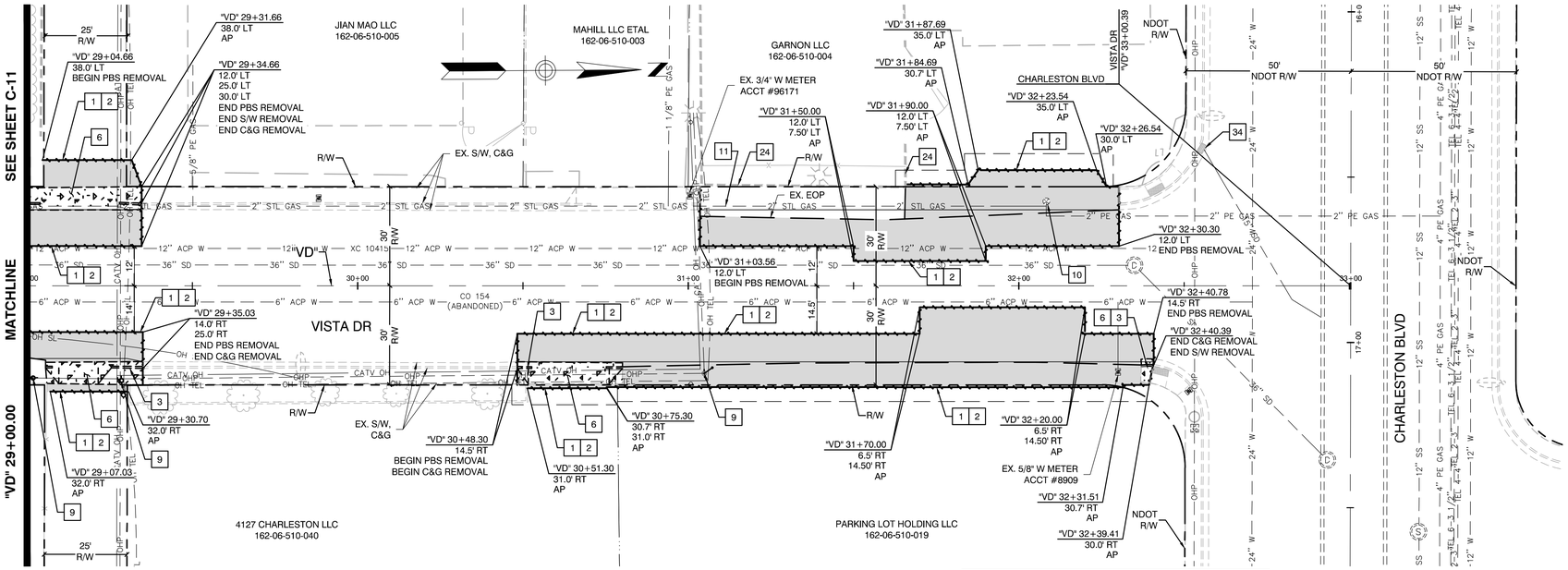
PROFESSIONAL ENGINEER - STATE OF NEVADA
TIMOTHY A. McCOY
Exp. 12/31/2017
CIVIL
No. 11511
4/25/17

SHEET
C-11
27 OF 74

DRAWING NO.
107V 5837-4

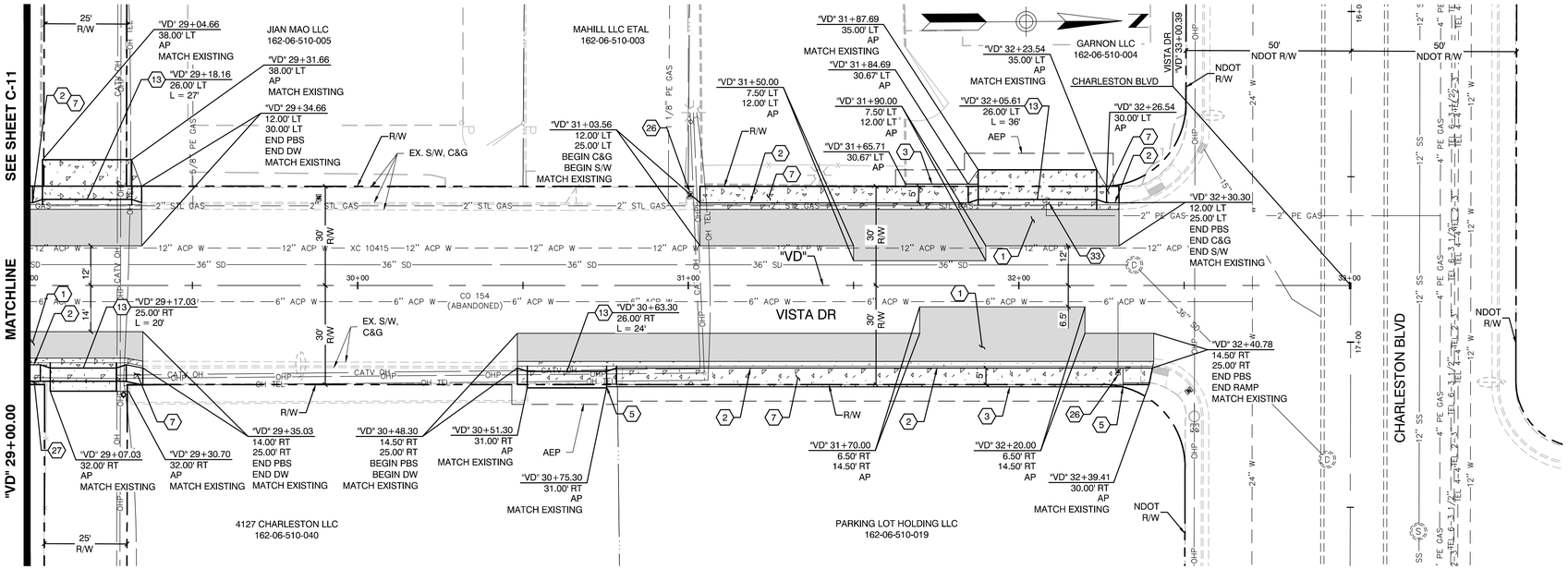
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DEMOLITION PLAN

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CONSTRUCTION PLAN

LVVWD NOTE:
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GRAPHIC SCALE
20 0 10 20 40
(IN FEET)

LEGEND

- REMOVE/CONSTRUCT PLANTMIX BITUMINOUS SURFACE (SEE TYPICAL SECTIONS FOR PAVEMENT SECTION)
- REMOVE/CONSTRUCT CONCRETE
- REMOVE/INSTALL LANDSCAPING ROCK

APPROVED FOR CONSTRUCTION

SIGNED BY MIKE DISHARI ON 4/19/17 FOR DJM (SEE ORIGINAL MYLAR)

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29	ADJUST PULLBOX (BY CENTURYLINK)
30	ADJUST WATER MANHOLE TO FINISHED GRADE (LVVWD DESIGN STD. PL08-4, ACAD STD.) (SEE DETAIL D, SHEET C-19)
31	ADJUST STORM DRAIN MANHOLE TO FINISHED GRADE (USDCCA STD. DWG. NO. 408)
32	RELOCATE WATER TEST STATION TO FINISH GRADE (SEE DETAIL A SHEET A, SHEET C-20)
33	GAS VALVES TO BE ADJUSTED (BY SW GAS)
34	RELOCATE EXISTING WATER METER BOX TO FINISHED GRADE (UDACS PLATE #4)
35	CONSTRUCT CONCRETE 'L' TYPE ISLAND CURB (USDCCA STD. DWG. NO. 219)

NOTES:
1. SEE L-SHEETS FOR STREETLIGHT & STREETLIGHT PULLBOX REMOVALS.
2. SEE ST-SHEETS FOR SIGN REMOVALS.
3. SEE HORIZONTAL CONTROL PLANS FOR GEOMETRY.
4. DIMENSIONS ARE TO CONTROL LINE, BACK OF CURB, BACK OF SIDEWALK AND/OR EDGE OF PAVEMENT, UNLESS OTHERWISE NOTED.

NO.	DATE	REVISIONS

PREPARED BY
GCW
1555 S. RAINBOW BLVD.
LAS VEGAS, NV 89146
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PREPARED FOR
CITY OF LAS VEGAS

BID# 17-50168
DESIGNED BY: JFG
DRAWN BY: MVD
CHECKED BY: TAM
H# 50168
DATE: 4/25/17
SUBMITTAL STAGE: FINAL

TITLE
SIDEWALK INFILL - ARVILLE STREET, VISTA DRIVE AND HINSON STREET

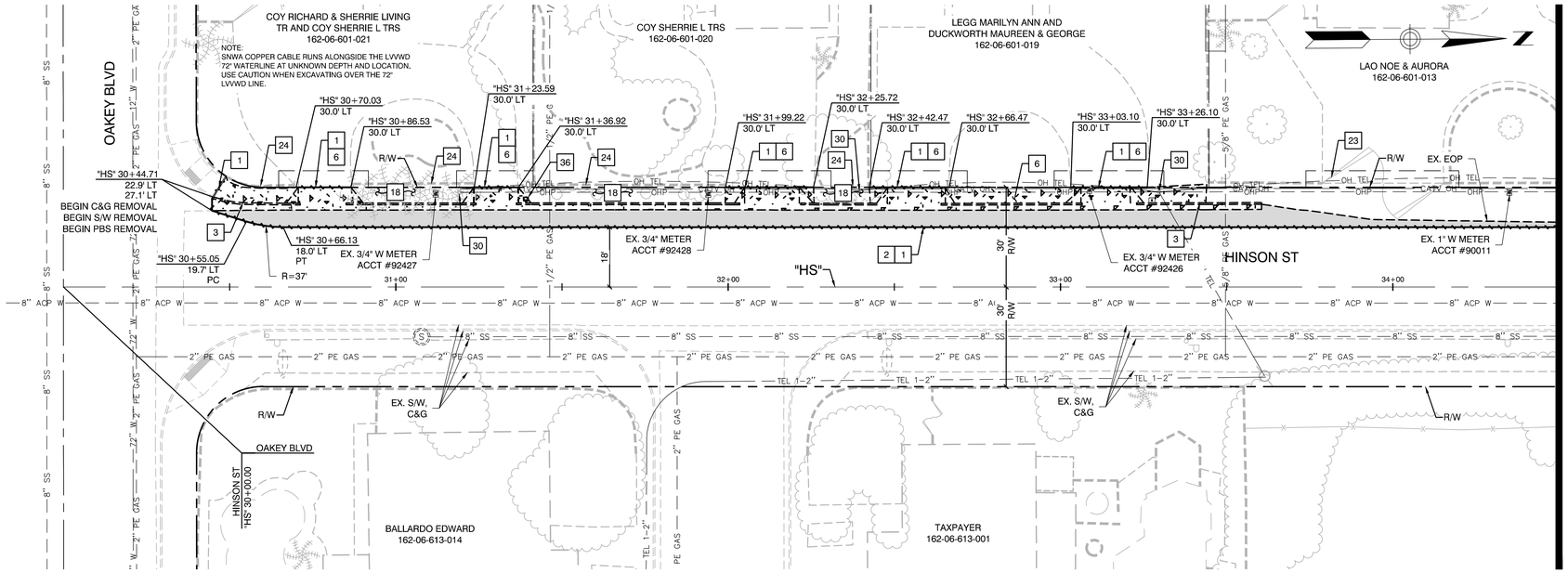
SHEET
DEMOLITION & CONSTRUCTION PLAN
"VD" 29+00 TO "VD" 33+00.39

NEVADA PROFESSIONAL ENGINEER - STATE OF NEVADA
TIMOTHY A. McCOY
Exp. 12/31/2017
CIVIL
4/25/17

SHEET
C-12
28 OF 74
DRAWING NO.
107V 5837-4

Proj#: 123892 Ag# 115612 OS: 162-06 NE

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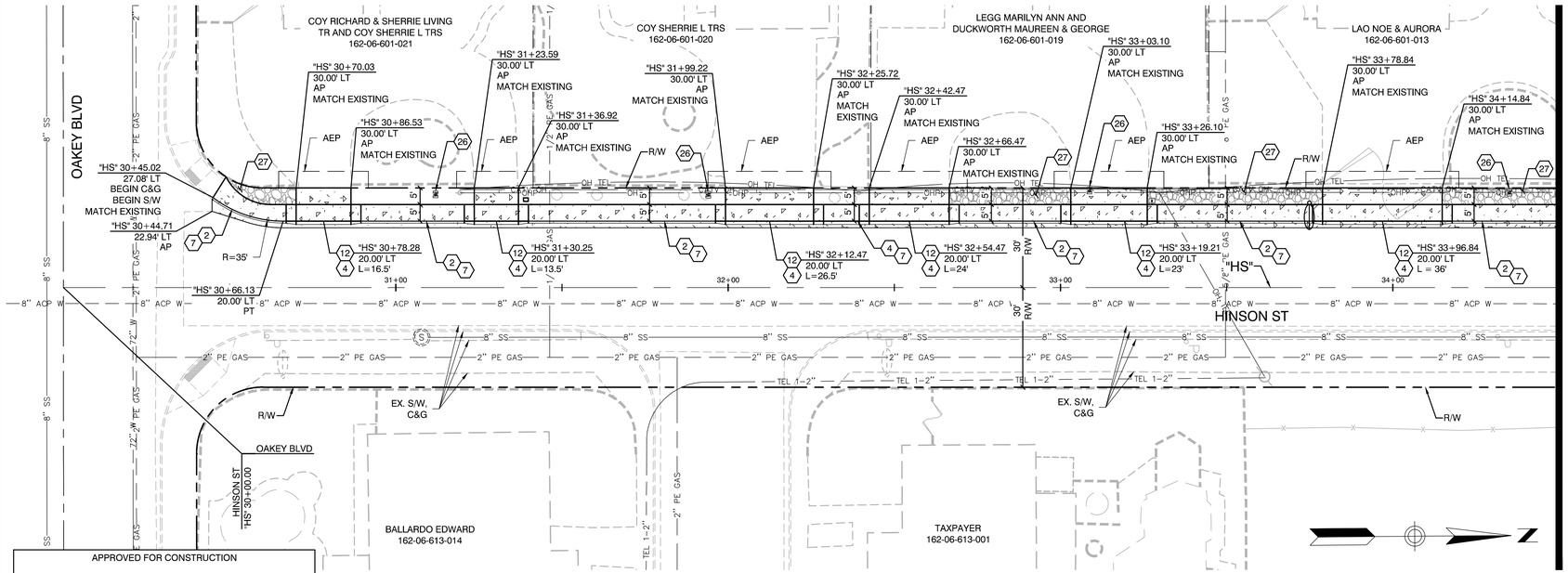
DEMOLITION PLAN

ANY EXISTING WATER METER BOX WITHIN A PROPOSED DRIVEWAY SHALL BE ADJUSTED TO THE NEW GRADE ELEVATION PER THE ATTACHED DETAIL. IF A BOX IS DAMAGED OR IN POOR CONDITION, AS DETERMINED BY THE LVVWD, A NEW ONE WILL BE SUPPLIED BY THE LVVWD AND INSTALLED BY THE CONTRACTOR.

WHERE THE WATER METER BOX LOCATION IS IN A DRIVEWAY, THERE SHALL NOT BE ANY JOINTS OR THE SERVICE SHALL BE RELOCATED AT THE SOLE EXPENSE OF THE DEVELOPER.

DEMOLITION NOTES

1	SAWCUT & MATCH EXISTING
2	REMOVE BITUMINOUS SURFACE AND AGGREGATE BASE
3	REMOVE CONCRETE CURB & GUTTER
4	REMOVE CONCRETE CURB
5	REMOVE CONCRETE MEDIAN
6	REMOVE CONCRETE SIDEWALK AND/OR DRIVEWAY
7	REMOVE LANDSCAPING ROCK
8	REMOVE STREET LIGHT POLE (SEE LIGHTING PLANS)
9	REMOVE & RELOCATE POWER POLE (BY NV ENERGY)
10	REMOVE & RELOCATE GAS VALVE (BY SWG)
11	PROTECT GAS LINE IN-PLACE
12	REMOVE CHAIN-LINK, WROUGHT IRON OR METAL FENCE & GATES & SALVAGE FOR RE-USE
13	REMOVE CHAIN-LINK, WROUGHT IRON OR METAL FENCE & GATES & DISPOSE (SUB-STANDARD FENCING)
14	REMOVE CONCRETE/CMU WALL
15	REMOVE CONCRETE CROSS GUTTER AND/OR SPANDREL
16	REMOVE FIRE HYDRANT & RELOCATE (UDACS PLATE # 40)
17	REMOVE/TRIM TREE/STUMP/BUSH AS REQUIRED FOR PROPOSED IMPROVEMENT INSTALLATION AS DIRECTED BY ENGINEER
18	REFER TO SPECIAL PROVISION SECTIONS 212 & 213 FOR LANDSCAPE AND IRRIGATION PROTECTION, REMOVAL & RESTORATION
19	RELOCATE BOULDER
20	REMOVE BOLLARD
21	REMOVE DROP INLET (SEE DETAILED GRADING PLANS)
22	REMOVE GUY WIRE (BY NV ENERGY)
23	PROTECT CHAIN-LINK, WOOD, WROUGHT IRON OR METAL FENCE & GATES IN-PLACE
24	PROTECT CONCRETE/CMU BLOCK WALL IN-PLACE
25	PROTECT CONCRETE CROSS GUTTER IN-PLACE
26	PROTECT FIRE HYDRANT IN-PLACE
27	REMOVE WATER METER BOXES
28	PROTECT PULLBOX AND UTILITY (COX, CENTURYLINK, NV ENERGY, TRAFFIC SIGNAL, STREET LIGHT)
29	PROTECT AVAR
30	PROTECT UTILITY POLE AND/OR GUY WIRE IN-PLACE
31	PROTECT PULLBOX IN-PLACE
32	PROTECT SIGNAL AND/OR PED POLE
33	PROTECT MAILBOX IN PLACE
34	PROTECT DROP INLET
35	REMOVE 6" WATER LINE
36	RELOCATE MAILBOX 6" MIN BEHIND PROPOSED BACK OF SIDEWALK
37	PROTECT GAS VALVE IN PLACE
38	PROTECT WATER TEST STATION



CONSTRUCTION PLAN

CONSTRUCTION NOTES

1	CONSTRUCT PLANTMIX BITUMINOUS SURFACE OVER TYPE II AGGREGATE BASE (SEE TYPICAL SECTIONS)
2	CONSTRUCT CONCRETE 'L' TYPE CURB & GUTTER (USDCCA STD. DWG. NO. 216)
3	CONSTRUCT CONCRETE 'A' TYPE CURB & GUTTER (USDCCA STD. DWG. NO. 219)
4	CONSTRUCT CONCRETE 'R' TYPE CURB & GUTTER (USDCCA STD. DWG. NO. 217.S2)
5	CONSTRUCT CURB TRANSITION (SEE DETAIL B, SHEET C-19)
6	CONSTRUCT CONCRETE CROSS GUTTER AND/OR SPANDREL (USDCCA STD. DWG. NO. 228)
7	CONSTRUCT CONCRETE SIDEWALK (WIDTH VARIES)(USDCCA STD. DWG. NO. 234)
8	CONSTRUCT SIDEWALK DRAIN (USDCCA STD. DWG. NO. 236)
9	CONSTRUCT SIDEWALK RAMP - CASE I WITH TACTILE WARNING PANEL (USDCCA STD. DWG. NO 235)
10	CONSTRUCT MODIFIED SIDEWALK RAMP - CASE I WITH TACTILE WARNING PANEL (USDCCA STD. DWG. NO 235)(SEE DETAIL C, SHEET C-19)
11	INSTALL TACTILE WARNING PANEL (USDCCA STD. DWG. NO. 235)
12	CONSTRUCT CONCRETE RESIDENTIAL DRIVEWAY (USDCCA STD. DWG. NO. 223)
13	CONSTRUCT CONCRETE COMMERCIAL DRIVEWAY (OPTION A) (USDCCA STD. DWG. NO. 224)
14	CONSTRUCT CONCRETE COMMERCIAL DRIVEWAY (OPTION C) (USDCCA STD. DWG. NO. 226.S1)
15	CONSTRUCT DEPRESSED ALLEY DRIVEWAY (USDCCA STD. DWG. NO. 227.S1)
16	CONSTRUCT BLOCK RETAINING WALL (SEE SOUTHERN NEVADA BUILDING REGIONAL STANDARDS B-100-1)
17	CONSTRUCT CMU WALL (SEE SOUTHERN NEVADA BUILDING REGIONAL STANDARDS B-100-2)
18	REMOVE EXISTING 6" CIP AND RECONNECT FIRE HYDRANT WITH ALL PVC
19	INSTALL SALVAGED CHAIN-LINK FENCE & GATES. (FOUNDATIONS PER USDCCA STD. DWG. NO. 252 & 253)
20	INSTALL CHAIN-LINK FENCE & GATES (MATCH EXISTING) (USDCCA STD. DWG. NO. 252 & 253)
21	RESET EXISTING FIRE HYDRANT ON NEW CONCRETE PAD (UDACS PLATE # 40)
22	ADJUST EXISTING PULLBOX TO FINISHED GRADE (USDCCA STD. DWG. NO. 328)
23	ADJUST EXISTING VALVE BOX TO FINISHED GRADE W/ CONCRETE COLLAR (UDACS PLATE #39). VALVE BOX SHALL BE ACCESSIBLE AT ALL TIMES.
24	RELOCATE AVAR (UDACS PLATE NO. 38)
25	ADJUST SANITARY SEWER MANHOLE TO FINISHED GRADE (DCSWCS DRAWINGS SD-2, SD-4, AND SD-5)
26	ADJUST EXISTING WATER METER BOX TO FINISHED GRADE (UDACS PLATE #4) (SEE DETAIL A, SHEET C-21)
27	INSTALL 1' LANDSCAPING ROCK (APACHE RED)
28	CONSTRUCT MONOLITHIC CURB AT BACK OF SIDEWALK TO MATCH NEW SIDEWALK (SEE DETAIL A, SHEET C-19)
29	ADJUST PULLBOX (BY CENTURYLINK)
30	ADJUST WATER MANHOLE TO FINISHED GRADE (LVVWD DESIGN STD. PL08-4, ACAD STD.) (SEE DETAIL D, SHEET C-19)
31	ADJUST STORM DRAIN MANHOLE TO FINISHED GRADE (USDCCA STD. DWG. NO. 408)
32	RELOCATE WATER TEST STATION TO FINISH GRADE (SEE DETAIL A SHEET A, SHEET C-20)
33	GAS VALVES TO BE ADJUSTED (BY SW GAS)
34	RELOCATE EXISTING WATER METER BOX TO FINISHED GRADE (UDACS PLATE #4)
35	CONSTRUCT CONCRETE 'L' TYPE ISLAND CURB (USDCCA STD. DWG. NO. 219)

NOTES:
1. SEE L-SHEETS FOR STREETLIGHT & STREETLIGHT PULLBOX REMOVALS.
2. SEE ST-SHEETS FOR SIGN REMOVALS.
3. SEE HORIZONTAL CONTROL PLANS FOR GEOMETRY.
4. DIMENSIONS ARE TO CONTROL LINE, BACK OF CURB, BACK OF SIDEWALK AND/OR EDGE OF PAVEMENT, UNLESS OTHERWISE NOTED.

LVVWD NOTE:
PROTECT IN PLACE AND ADJUST LVVWD EXISTING FACILITIES TO FINISHED GRADE. ALL LVVWD FACILITIES SHALL BE ACCESSIBLE AT ALL TIMES.

SNWA CONSTRUCTION NOTE:
CONTRACTOR SHALL FIELD LOCATE AND PROTECT ALL SNWA/SNWS APPURTENANCES INCLUDING BUT NOT LIMITED TO : AV/ARS, ACCESS MANWAYS AND CATHODIC PROTECTION SYSTEMS. ALL ABOVE GROUND STRUCTURES AND GRADE STRUCTURES MUST BE ADJUSTED TO NEW GRADE AT CONTRACTORS EXPENSE. CATHODIC PROTECTION TEST STATIONS, RECTIFIERS AND AV/ARS MUST BE RELOCATED TO THE SIDEWALK PER SNWA STANDARD AND AT THE CONTRACTORS EXPENSE. CONTRACTOR TO NOTIFY SOUTHERN NEVADA WATER AUTHORITY, DEVELOPMENT PLAN REVIEW, AT (702)691-5372 AT LEAST 48 HOURS PRIOR TO CONSTRUCTION ACTIVITY.

GRAPHIC SCALE
20 0 10 20 40
(IN FEET)

LEGEND

- REMOVE/CONSTRUCT PLANTMIX BITUMINOUS SURFACE (SEE TYPICAL SECTIONS FOR PAVEMENT SECTION)
- REMOVE/CONSTRUCT CONCRETE
- REMOVE/INSTALL LANDSCAPING ROCK

CALL BEFORE CONSTRUCTION

BEFORE YOU DIG	USA NORTH	811 OR 800-227-2600
BEFORE YOU UNDERGROUND	F.A.S.T.	702-432-5300
	CLARK COUNTY TRAFFIC OPERATIONS	702-455-7511
	CITY OF LAS VEGAS T.E.F.O.	702-229-6611
BEFORE YOU OVERHEAD	NV ENERGY	702-227-2929

APPROVED FOR CONSTRUCTION
SIGNED BY MIKE DISHARI ON 4/19/17 (SEE ORIGINAL MYLAR)
SOUTHERN NEVADA WATER AUTHORITY
DATE: DPR# 2015-0122
SNWA APPROVAL IS VALID 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.

APPROVED FOR CONSTRUCTION
SIGNED BY MIKE DISHARI ON 4/19/17 FOR DJM (SEE ORIGINAL MYLAR)
LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER
DATE: PROJECT# 123892

NO.	DATE	REVISIONS

PREPARED BY
GCW ENGINEERS \ SURVEYORS
1555 S. RAINBOW BLVD.
LAS VEGAS, NV 89146
T: 702.804.2000
F: 702.804.2299
gcwengineering.com

PREPARED FOR
CITY OF LAS VEGAS

BID# 17-50168
DESIGNED BY: JFG
DRAWN BY: MVD
CHECKED BY: TAM
H# 50168
DATE: 4/25/17
SUBMITTAL STAGE: FINAL

TITLE
SIDEWALK INFILL - ARVILLE STREET, VISTA DRIVE AND HINSON STREET

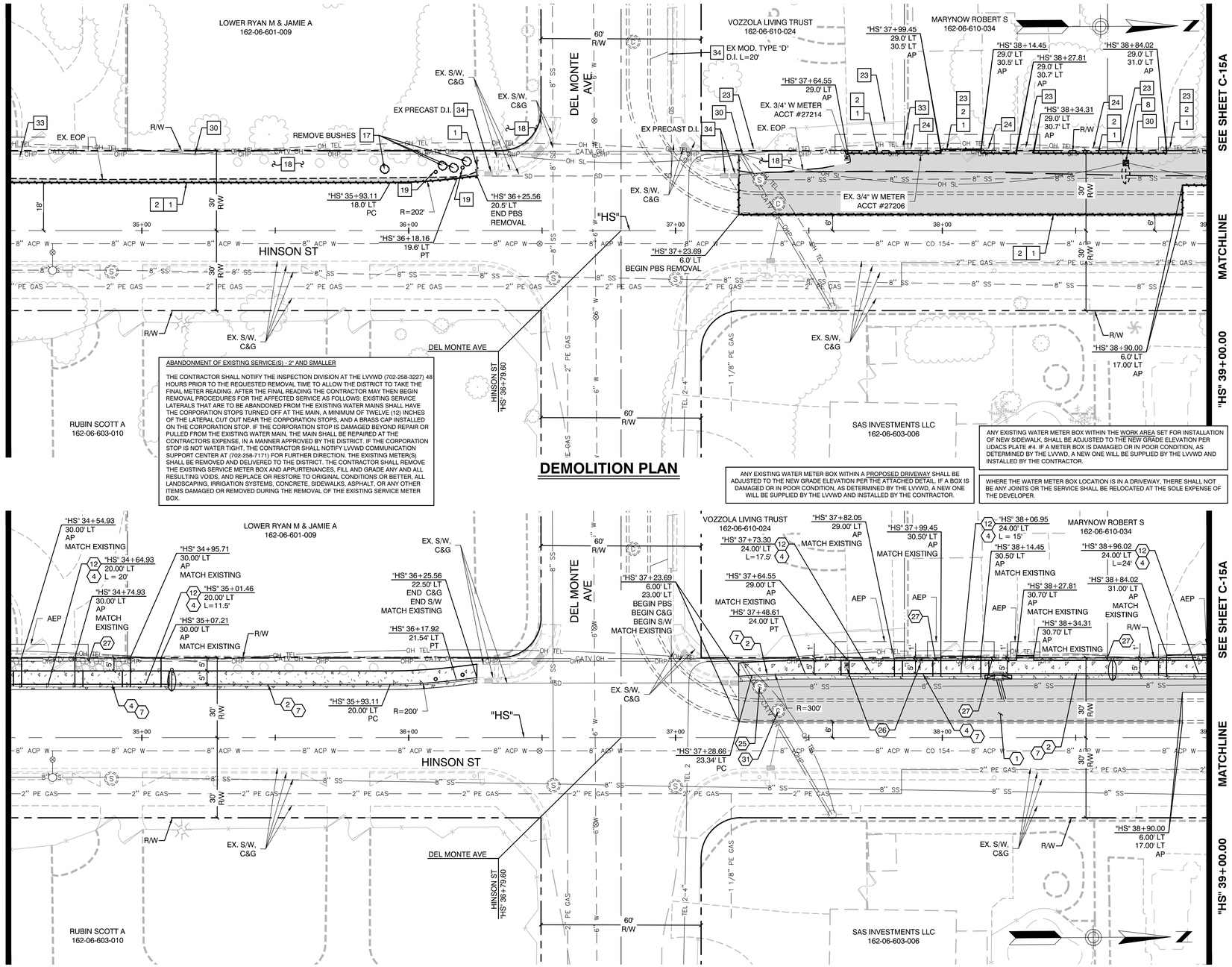
SHEET
DEMOLITION & CONSTRUCTION PLAN "HS" 30+00 TO "HS" 34+50 (ADD/ALT)

PROFESSIONAL ENGINEER - STATE OF NEVADA
TIMOTHY A. McCOY
Exp. 12/31/2017
CIVIL
4/25/17

SHEET
C-13A
29 OF 74
DRAWING NO.
107V 5837-4

SNWA DPR# 2015-0122 (APPROVED)
Proj#: 123892 Ag# 11561 2 QS: 162-06 NE

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DEMOLITION PLAN

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 STOPS, 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 CONTRACTORS 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 CONDITIONS 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.

ANY EXISTING WATER METER BOX WITHIN A PROPOSED DRIVEWAY SHALL BE ADJUSTED TO THE NEW GRADE ELEVATION PER THE ATTACHED DETAIL. IF A BOX IS DAMAGED OR IN POOR CONDITION, AS DETERMINED BY THE LVVWD, A NEW ONE WILL BE SUPPLIED BY THE LVVWD AND INSTALLED BY THE CONTRACTOR.

ANY EXISTING WATER METER BOX WITHIN THE WORK AREA SET FOR INSTALLATION OF NEW SIDEWALK, SHALL BE ADJUSTED TO THE NEW GRADE ELEVATION PER UDACS PLATE #4. IF A METER BOX IS DAMAGED OR IN POOR CONDITION, AS DETERMINED BY THE LVVWD, A NEW ONE WILL BE SUPPLIED BY THE LVVWD AND INSTALLED BY THE CONTRACTOR.

WHERE THE WATER METER BOX LOCATION IS IN A DRIVEWAY, THERE SHALL NOT BE ANY JOINTS OR THE SERVICE SHALL BE RELOCATED AT THE SOLE EXPENSE OF THE DEVELOPER.

DEMOLITION NOTES

1. SAWCUT & MATCH EXISTING
2. REMOVE BITUMINOUS SURFACE AND AGGREGATE BASE
3. REMOVE CONCRETE CURB & GUTTER
4. REMOVE CONCRETE CURB
5. REMOVE CONCRETE MEDIAN
6. REMOVE CONCRETE SIDEWALK AND/OR DRIVEWAY
7. REMOVE LANDSCAPING ROCK
8. REMOVE STREET LIGHT POLE (SEE LIGHTING PLANS)
9. REMOVE & RELOCATE POWER POLE (BY NV ENERGY)
10. REMOVE & RELOCATE GAS VALVE (BY SWG)
11. PROTECT GAS LINE IN-PLACE
12. REMOVE CHAIN-LINK, WROUGHT IRON OR METAL FENCE & GATES & SALVAGE FOR RE-USE
13. REMOVE CHAIN-LINK, WROUGHT IRON OR METAL FENCE & GATES & DISPOSE (SUB-STANDARD FENCING)
14. REMOVE CONCRETE/CMU WALL
15. REMOVE CONCRETE CROSS GUTTER AND/OR SPANDREL
16. REMOVE FIRE HYDRANT & RELOCATE (UDACS PLATE # 40)
17. REMOVE/TRIM TREE/STUMP/BUSH AS REQUIRED FOR PROPOSED IMPROVEMENT INSTALLATION AS DIRECTED BY ENGINEER
18. REFER TO SPECIAL PROVISION SECTIONS 212 & 213 FOR LANDSCAPE AND IRRIGATION PROTECTION, REMOVAL & RESTORATION
19. RELOCATE BOULDER
20. REMOVE BOLLARD
21. REMOVE DROP INLET (SEE DETAILED GRADING PLANS)
22. REMOVE GUY WIRE (BY NV ENERGY)
23. PROTECT CHAIN-LINK, WOOD, WROUGHT IRON OR METAL FENCE & GATES IN-PLACE
24. PROTECT CONCRETE/CMU BLOCK WALL IN-PLACE
25. PROTECT CONCRETE CROSS GUTTER IN-PLACE
26. PROTECT FIRE HYDRANT IN-PLACE
27. REMOVE WATER METER BOXES
28. PROTECT PULLBOX AND UTILITY (COX, CENTURYLINK, NV ENERGY, TRAFFIC SIGNAL, STREET LIGHT)
29. PROTECT AVAR
30. PROTECT UTILITY POLE AND/OR GUY WIRE IN-PLACE
31. PROTECT PULLBOX IN-PLACE
32. PROTECT SIGNAL AND/OR PED POLE
33. PROTECT MAILBOX IN PLACE
34. PROTECT DROP INLET
35. REMOVE 6" WATER LINE
36. RELOCATE MAILBOX 6" MIN BEHIND PROPOSED BACK OF SIDEWALK
37. PROTECT GAS VALVE IN PLACE
38. PROTECT WATER TEST STATION

CONSTRUCTION PLAN

LVVWD NOTE:
PROTECT IN PLACE AND ADJUST LVVWD EXISTING FACILITIES TO FINISHED GRADE.
ALL LVVWD FACILITIES SHALL BE ACCESSIBLE AT ALL TIMES.

LEGEND

- REMOVE/CONSTRUCT PLANTMIX BITUMINOUS SURFACE (SEE TYPICAL SECTIONS FOR PAVEMENT SECTION)
- REMOVE/CONSTRUCT CONCRETE
- REMOVE/INSTALL LANDSCAPING ROCK

GRAPHIC SCALE
20 0 10 20 40
(IN FEET)

CONSTRUCTION NOTES

1. CONSTRUCT PLANTMIX BITUMINOUS SURFACE OVER TYPE II AGGREGATE BASE (SEE TYPICAL SECTIONS)
2. CONSTRUCT CONCRETE 'L' TYPE CURB & GUTTER (USDCCA STD. DWG. NO. 216)
3. CONSTRUCT CONCRETE 'A' TYPE CURB & GUTTER (USDCCA STD. DWG. NO. 219)
4. CONSTRUCT CONCRETE 'R' TYPE CURB & GUTTER (USDCCA STD. DWG. NO. 217.S2)
5. CONSTRUCT CURB TRANSITION (SEE DETAIL B, SHEET C-19)
6. CONSTRUCT CONCRETE CROSS GUTTER AND/OR SPANDREL (USDCCA STD. DWG. NO. 228)
7. CONSTRUCT CONCRETE SIDEWALK (WIDTH VARIES)(USDCCA STD. DWG. NO. 234)
8. CONSTRUCT SIDEWALK DRAIN (USDCCA STD. DWG. NO. 236)
9. CONSTRUCT SIDEWALK RAMP - CASE I WITH TACTILE WARNING PANEL (USDCCA STD. DWG. NO 235)
10. CONSTRUCT MODIFIED SIDEWALK RAMP - CASE I WITH TACTILE WARNING PANEL (USDCCA STD. DWG. NO 235)(SEE DETAIL C, SHEET C-19)
11. INSTALL TACTILE WARNING PANEL (USDCCA STD. DWG. NO. 235)
12. CONSTRUCT CONCRETE RESIDENTIAL DRIVEWAY (USDCCA STD. DWG. NO. 223)
13. CONSTRUCT CONCRETE COMMERCIAL DRIVEWAY (OPTION A) (USDCCA STD. DWG. NO. 224)
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16. CONSTRUCT BLOCK RETAINING WALL (SEE SOUTHERN NEVADA BUILDING REGIONAL STANDARDS B-100-1)
17. CONSTRUCT CMU WALL (SEE SOUTHERN NEVADA BUILDING REGIONAL STANDARDS B-100-2)
18. REMOVE EXISTING 6" CIP AND RECONNECT FIRE HYDRANT WITH ALL PVC
19. INSTALL SALVAGED CHAIN-LINK FENCE & GATES. (FOUNDATIONS PER USDCCA STD. DWG. NO. 252 & 253)
20. INSTALL CHAIN-LINK FENCE & GATES (MATCH EXISTING) (USDCCA STD. DWG. NO. 252 & 253)
21. RESET EXISTING FIRE HYDRANT ON NEW CONCRETE PAD (UDACS PLATE # 40)
22. ADJUST EXISTING PULLBOX TO FINISHED GRADE (USDCCA STD. DWG. NO. 328)
23. ADJUST EXISTING VALVE BOX TO FINISHED GRADE W/ CONCRETE COLLAR (UDACS PLATE #39). VALVE BOX SHALL BE ACCESSIBLE AT ALL TIMES.
24. RELOCATE AVAR (UDACS PLATE NO. 38)
25. ADJUST SANITARY SEWER MANHOLE TO FINISHED GRADE (DCSWCS DRAWINGS SD-2, SD-4, AND SD-5)
26. ADJUST EXISTING WATER METER BOX TO FINISHED GRADE (UDACS PLATE #4) (SEE DETAIL A, SHEET C-21)
27. INSTALL 1" LANDSCAPING ROCK (APACHE RED)
28. CONSTRUCT MONOLITHIC CURB AT BACK OF SIDEWALK TO MATCH NEW SIDEWALK (SEE DETAIL A, SHEET C-19)
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34. RELOCATE EXISTING WATER METER BOX TO FINISHED GRADE (UDACS PLATE #4)
35. CONSTRUCT CONCRETE 'L' TYPE ISLAND CURB (USDCCA STD. DWG. NO. 219)

NOTES:
1. SEE L-SHEETS FOR STREETLIGHT & STREETLIGHT PULLBOX REMOVALS.
2. SEE ST-SHEETS FOR SIGN REMOVALS.
3. SEE HORIZONTAL CONTROL PLANS FOR GEOMETRY.
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CALL BEFORE CONSTRUCTION

BEFORE YOU DIG	USA NORTH	811 OR 800-227-2600
BEFORE YOU UNDERGROUND	F.A.S.T.	702-432-5300
	CLARK COUNTY TRAFFIC OPERATIONS	702-455-7511
	CITY OF LAS VEGAS T.E.F.O.	702-229-6611
BEFORE YOU OVERHEAD	NV ENERGY	702-227-2929

APPROVED FOR CONSTRUCTION

SIGNED BY MIKE DISHARI ON 4/19/17 FOR DJM (SEE ORIGINAL MYLAR)

LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER

DATE: PROJECT# 123892

NO.	DATE	REVISIONS

PREPARED BY
GCW ENGINEERS \ SURVEYORS
1555 S. RAINBOW BLVD.
LAS VEGAS, NV 89146
T: 702.804.2000
F: 702.804.2299
gcwengineering.com

PREPARED FOR
CITY OF LAS VEGAS

BID# 17-50168
H# 50168
DESIGNED BY: JFG
DRAWN BY: MVD
CHECKED BY: TAM
DATE: 4/25/17
SUBMITTAL STAGE: FINAL

TITLE
SIDEWALK INFILL - ARVILLE STREET, VISTA DRIVE AND HINSON STREET

SHEET
DEMOLITION & CONSTRUCTION PLAN "HS" 34+50 TO "HS" 39+00 (ADD/ALT)

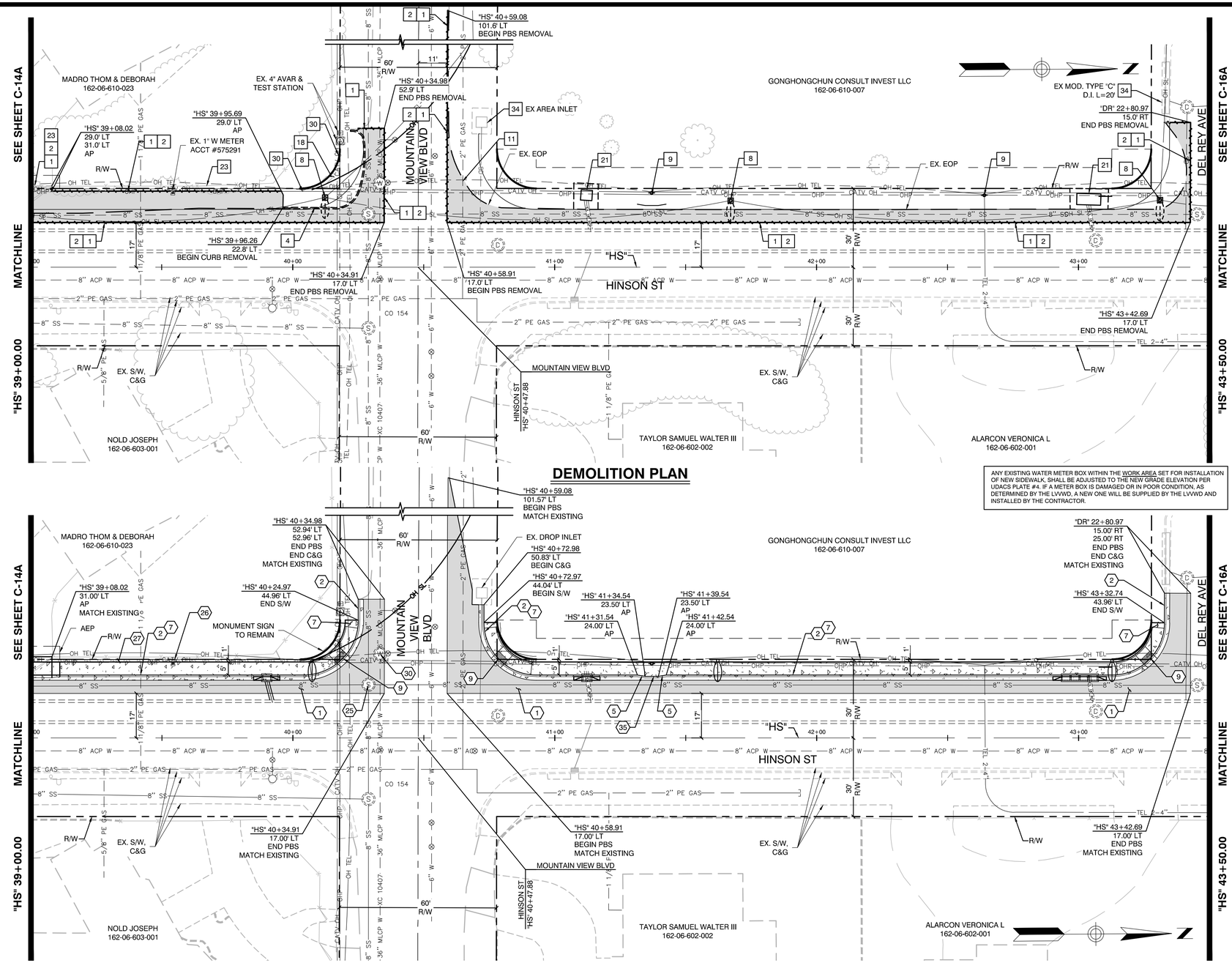
TIMOTHY A. McCOY
Exp. 12/31/2017
CIVIL
STATE OF NEVADA
PROFESSIONAL ENGINEER
No. 11511
4/25/17

SHEET
C-14A
30 OF 74

DRAWING NO.
107V 5837-4

Proj#: 123892 Agr# 11561.2 QS: 162-06 NE

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DEMOLITION PLAN

ANY EXISTING WATER METER BOX WITHIN THE WORK AREA SET FOR INSTALLATION OF NEW SIDEWALK, SHALL BE ADJUSTED TO THE NEW GRADE ELEVATION PER UDACS PLATE #4. IF A METER BOX IS DAMAGED OR IN POOR CONDITION, AS DETERMINED BY THE LVVWD, A NEW ONE WILL BE SUPPLIED BY THE LVVWD AND INSTALLED BY THE CONTRACTOR.

CONSTRUCTION PLAN

LVVWD NOTE:
PROTECT IN PLACE AND ADJUST LVVWD EXISTING FACILITIES TO FINISHED GRADE. ALL LVVWD FACILITIES SHALL BE ACCESSIBLE AT ALL TIMES.

LEGEND

- REMOVE/CONSTRUCT PLANTMIX BITUMINOUS SURFACE (SEE TYPICAL SECTIONS FOR PAVEMENT SECTION)
- REMOVE/CONSTRUCT CONCRETE
- REMOVE/INSTALL LANDSCAPING ROCK

GRAPHIC SCALE
20 0 10 20 40
(IN FEET)

APPROVED FOR CONSTRUCTION	
SIGNED BY MIKE DISHARI ON 4/19/17 FOR DJM (SEE ORIGINAL MYLAR)	
LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER	
DATE:	PROJECT# 123892

CALL BEFORE CONSTRUCTION

BEFORE YOU DIG	USA NORTH	811 OR 800-227-2600
BEFORE YOU UNDERGROUND	F.A.S.T.	702-432-5300
	CLARK COUNTY TRAFFIC OPERATIONS	702-455-7511
	CITY OF LAS VEGAS T.E.F.O.	702-229-6611
BEFORE YOU OVERHEAD	NV ENERGY	702-227-2929

DEMOLITION NOTES

1	SAWCUT & MATCH EXISTING
2	REMOVE BITUMINOUS SURFACE AND AGGREGATE BASE
3	REMOVE CONCRETE CURB & GUTTER
4	REMOVE CONCRETE CURB
5	REMOVE CONCRETE MEDIAN
6	REMOVE CONCRETE SIDEWALK AND/OR DRIVEWAY
7	REMOVE LANDSCAPING ROCK
8	REMOVE STREET LIGHT POLE (SEE LIGHTING PLANS)
9	REMOVE & RELOCATE POWER POLE (BY NV ENERGY)
10	REMOVE & RELOCATE GAS VALVE (BY SWG)
11	PROTECT GAS LINE IN-PLACE
12	REMOVE CHAIN-LINK, WROUGHT IRON OR METAL FENCE & GATES & SALVAGE FOR RE-USE
13	REMOVE CHAIN-LINK, WROUGHT IRON OR METAL FENCE & GATES & DISPOSE (SUB-STANDARD FENCING)
14	REMOVE CONCRETE/CMU WALL
15	REMOVE CONCRETE CROSS GUTTER AND/OR SPANDREL
16	REMOVE FIRE HYDRANT & RELOCATE (UDACS PLATE # 40)
17	REMOVE/TRIM TREE/STUMP/BUSH AS REQUIRED FOR PROPOSED IMPROVEMENT INSTALLATION AS DIRECTED BY ENGINEER
18	REFER TO SPECIAL PROVISION SECTIONS 212 & 213 FOR LANDSCAPE AND IRRIGATION PROTECTION, REMOVAL & RESTORATION
19	RELOCATE BOULDER
20	REMOVE BOLLARD
21	REMOVE DROP INLET (SEE DETAILED GRADING PLANS)
22	REMOVE GUY WIRE (BY NV ENERGY)
23	PROTECT CHAIN-LINK, WOOD, WROUGHT IRON OR METAL FENCE & GATES IN-PLACE
24	PROTECT CONCRETE/CMU BLOCK WALL IN-PLACE
25	PROTECT CONCRETE CROSS GUTTER IN-PLACE
26	PROTECT FIRE HYDRANT IN-PLACE
27	REMOVE WATER METER BOXES
28	PROTECT PULLBOX AND UTILITY (COX, CENTURYLINK, NV ENERGY, TRAFFIC SIGNAL, STREET LIGHT)
29	PROTECT AVAR
30	PROTECT UTILITY POLE AND/OR GUY WIRE IN-PLACE
31	PROTECT PULLBOX IN-PLACE
32	PROTECT SIGNAL AND/OR PED POLE
33	PROTECT MAILBOX IN PLACE
34	PROTECT DROP INLET
35	REMOVE 6" WATER LINE
36	RELOCATE MAILBOX 6" MIN BEHIND PROPOSED BACK OF SIDEWALK
37	PROTECT GAS VALVE IN PLACE
38	PROTECT WATER TEST STATION

CONSTRUCTION NOTES

1	CONSTRUCT PLANTMIX BITUMINOUS SURFACE OVER TYPE II AGGREGATE BASE (SEE TYPICAL SECTIONS)
2	CONSTRUCT CONCRETE 'L' TYPE CURB & GUTTER (USDCCA STD. DWG. NO. 216)
3	CONSTRUCT CONCRETE 'A' TYPE CURB & GUTTER (USDCCA STD. DWG. NO. 219)
4	CONSTRUCT CONCRETE 'R' TYPE CURB & GUTTER (USDCCA STD. DWG. NO. 217.S2)
5	CONSTRUCT CURB TRANSITION (SEE DETAIL B, SHEET C-19)
6	CONSTRUCT CONCRETE CROSS GUTTER AND/OR SPANDREL (USDCCA STD. DWG. NO. 228)
7	CONSTRUCT CONCRETE SIDEWALK (WIDTH VARIES)(USDCCA STD. DWG. NO. 234)
8	CONSTRUCT SIDEWALK DRAIN (USDCCA STD. DWG. NO. 236)
9	CONSTRUCT SIDEWALK RAMP - CASE I WITH TACTILE WARNING PANEL (USDCCA STD. DWG. NO 235)
10	CONSTRUCT MODIFIED SIDEWALK RAMP - CASE I WITH TACTILE WARNING PANEL (USDCCA STD. DWG. NO. 235)(SEE DETAIL C, SHEET C-19)
11	INSTALL TACTILE WARNING PANEL (USDCCA STD. DWG. NO. 235)
12	CONSTRUCT CONCRETE RESIDENTIAL DRIVEWAY (USDCCA STD. DWG. NO. 223)
13	CONSTRUCT CONCRETE COMMERCIAL DRIVEWAY (OPTION A) (USDCCA STD. DWG. NO. 224)
14	CONSTRUCT CONCRETE COMMERCIAL DRIVEWAY (OPTION C) (USDCCA STD. DWG. NO. 226.S1)
15	CONSTRUCT DEPRESSED ALLEY DRIVEWAY (USDCCA STD. DWG. NO. 227.S1)
16	CONSTRUCT BLOCK RETAINING WALL (SEE SOUTHERN NEVADA BUILDING REGIONAL STANDARDS B-100-1)
17	CONSTRUCT CMU WALL (SEE SOUTHERN NEVADA BUILDING REGIONAL STANDARDS B-100-2)
18	REMOVE EXISTING 6" CIP AND RECONNECT FIRE HYDRANT WITH ALL PVC
19	INSTALL SALVAGED CHAIN-LINK FENCE & GATES. (FOUNDATIONS PER USDCCA STD. DWG. NO. 252 & 253)
20	INSTALL CHAIN-LINK FENCE & GATES (MATCH EXISTING) (USDCCA STD. DWG. NO. 252 & 253)
21	RESET EXISTING FIRE HYDRANT ON NEW CONCRETE PAD (UDACS PLATE # 40)
22	ADJUST EXISTING PULLBOX TO FINISHED GRADE (USDCCA STD. DWG. NO. 328)
23	ADJUST EXISTING VALVE BOX TO FINISHED GRADE W/ CONCRETE COLLAR (UDACS PLATE #39). VALVE BOX SHALL BE ACCESSIBLE AT ALL TIMES.
24	RELOCATE AVAR (UDACS PLATE NO. 38)
25	ADJUST SANITARY SEWER MANHOLE TO FINISHED GRADE (DCSWCS DRAWINGS SD-2, SD-4, AND SD-5)
26	ADJUST EXISTING WATER METER BOX TO FINISHED GRADE (UDACS PLATE #4) (SEE DETAIL A, SHEET C-21)
27	INSTALL 1" LANDSCAPING ROCK (APACHE RED)
28	CONSTRUCT MONOLITHIC CURB AT BACK OF SIDEWALK TO MATCH NEW SIDEWALK (SEE DETAIL A, SHEET C-19)
29	ADJUST PULLBOX (BY CENTURYLINK)
30	ADJUST WATER MANHOLE TO FINISHED GRADE (LVVWD DESIGN STD. PL08-4, ACAD STD.) (SEE DETAIL D, SHEET C-19)
31	ADJUST STORM DRAIN MANHOLE TO FINISHED GRADE (USDCCA STD. DWG. NO. 408)
32	RELOCATE WATER TEST STATION TO FINISH GRADE (SEE DETAIL A SHEET A, SHEET C-20)
33	GAS VALVES TO BE ADJUSTED (BY SW GAS)
34	RELOCATE EXISTING WATER METER BOX TO FINISHED GRADE (UDACS PLATE #4)
35	CONSTRUCT CONCRETE 'L' TYPE ISLAND CURB (USDCCA STD. DWG. NO. 219)

NOTES:
1. SEE L-SHEETS FOR STREETLIGHT & STREETLIGHT PULLBOX REMOVALS.
2. SEE ST-SHEETS FOR SIGN REMOVALS.
3. SEE HORIZONTAL CONTROL PLANS FOR GEOMETRY.
4. DIMENSIONS ARE TO CONTROL LINE, BACK OF CURB, BACK OF SIDEWALK AND/OR EDGE OF PAVEMENT, UNLESS OTHERWISE NOTED.

NO.	DATE	REVISIONS

PREPARED BY
GCW ENGINEERS \ SURVEYORS
1555 S. RAINBOW BLVD.
LAS VEGAS, NV 89146
T: 702.804.2000
F: 702.804.2299
gcwengineering.com

PREPARED FOR
CITY OF LAS VEGAS

BID# 17-50168
H# 50168
DESIGNED BY: JFG
DRAWN BY: MVD
CHECKED BY: TAM
DATE: 4/25/17
SUBMITTAL STAGE: FINAL

TITLE
SIDEWALK INFILL - ARVILLE STREET, VISTA DRIVE AND HINSON STREET

SHEET
DEMOLITION & CONSTRUCTION PLAN "HS" 39+00 TO "HS" 43+50 (ADD/ALT)

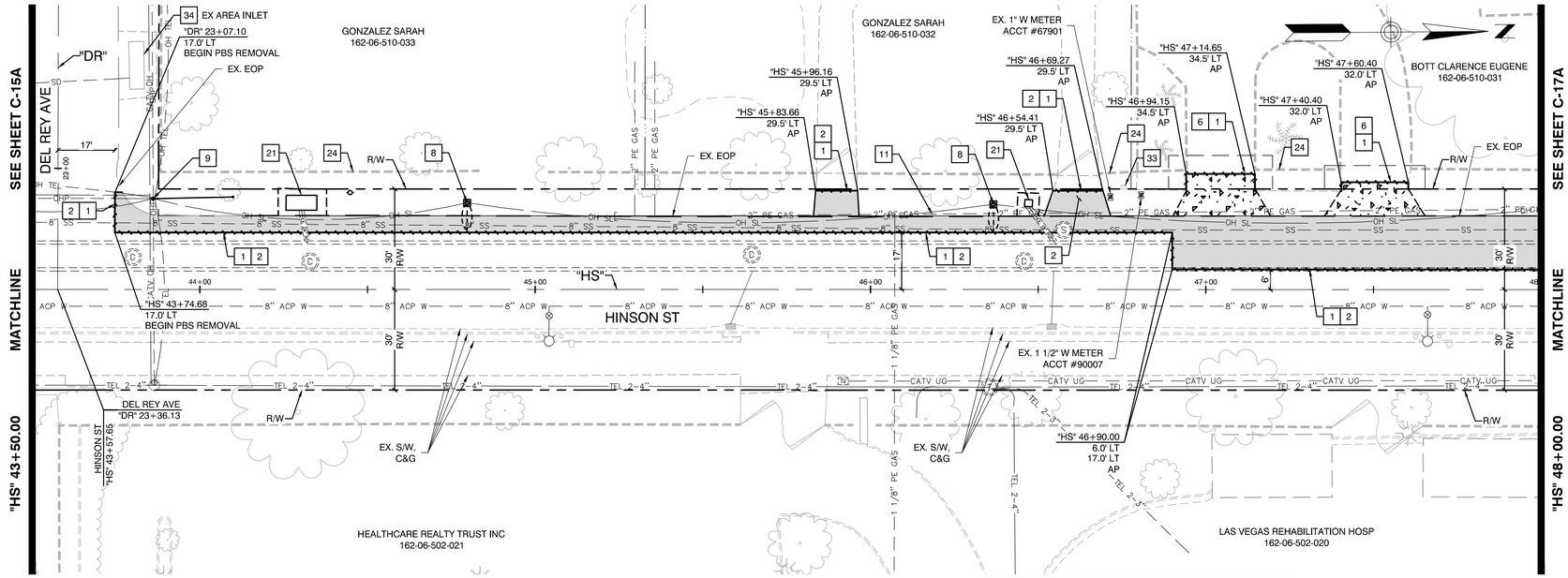
PROFESSIONAL ENGINEER – STATE OF NEVADA
TIMOTHY A. McCOY
Exp. 12/31/2017
CIVIL
No. 11511
4/25/17

SHEET
C-15A
31 OF 74

DRAWING NO.
107V 5837-4

Proj#: 123892 Agr# 11561Z OS: 162-06 NE

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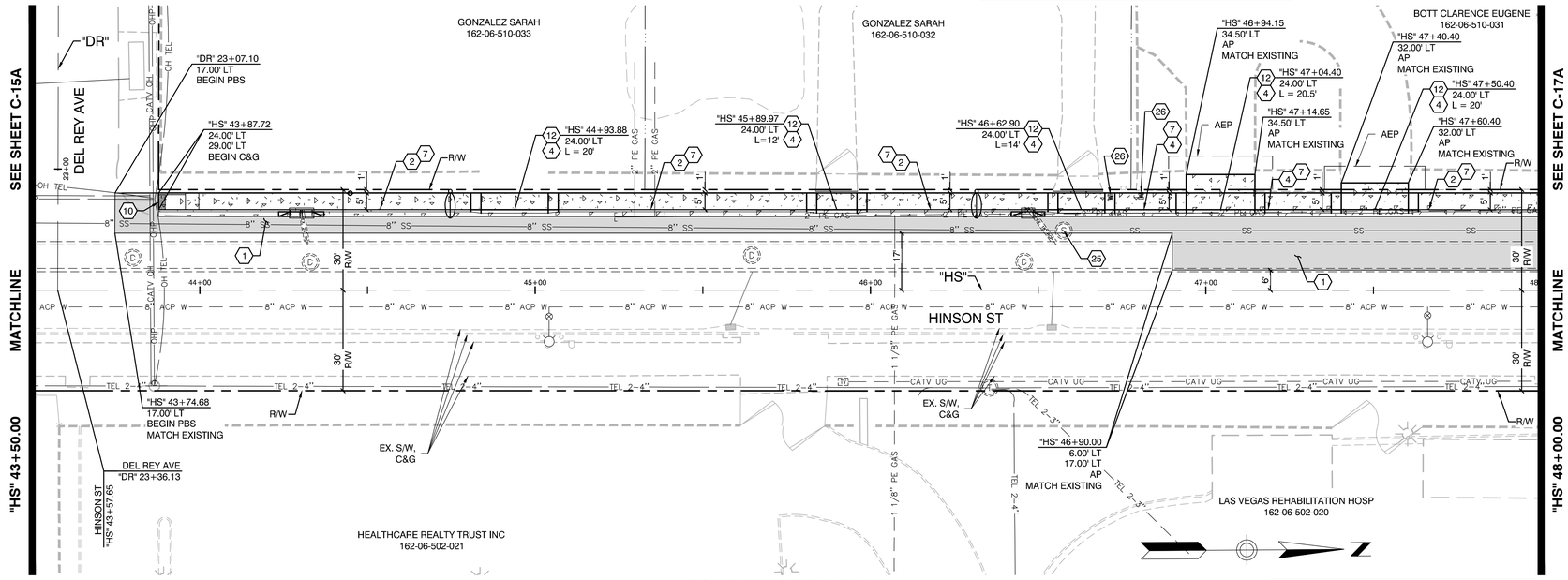
DEMOLITION PLAN

ANY EXISTING WATER METER BOX WITHIN THE WORK AREA SET FOR INSTALLATION OF NEW SIDEWALK, SHALL BE ADJUSTED TO THE NEW GRADE ELEVATION PER UDACS PLATE #4. IF A METER BOX IS DAMAGED OR IN POOR CONDITION, AS DETERMINED BY THE LVVWD, A NEW ONE WILL BE SUPPLIED BY THE LVVWD AND INSTALLED BY THE CONTRACTOR.

WHERE THE WATER METER BOX LOCATION IS IN A DRIVEWAY, THERE SHALL NOT BE ANY JOINTS OR THE SERVICE SHALL BE RELOCATED AT THE SOLE EXPENSE OF THE DEVELOPER.

DEMOLITION NOTES

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10	REMOVE & RELOCATE GAS VALVE (BY SWG)
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CONSTRUCTION PLAN

LVVWD NOTE:
PROTECT IN PLACE AND ADJUST LVVWD EXISTING FACILITIES TO FINISHED GRADE. ALL LVVWD FACILITIES SHALL BE ACCESSIBLE AT ALL TIMES.

CONSTRUCTION NOTES

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NOTES:
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4. DIMENSIONS ARE TO CONTROL LINE, BACK OF CURB, BACK OF SIDEWALK AND/OR EDGE OF PAVEMENT, UNLESS OTHERWISE NOTED.

LEGEND

- REMOVE/CONSTRUCT PLANTMIX BITUMINOUS SURFACE (SEE TYPICAL SECTIONS FOR PAVEMENT SECTION)
- REMOVE/CONSTRUCT CONCRETE
- REMOVE/INSTALL LANDSCAPING ROCK

GRAPHIC SCALE
20 0 10 20 40
(IN FEET)

CALL BEFORE CONSTRUCTION

BEFORE YOU DIG	USA NORTH	811 OR 800-227-2600
BEFORE YOU UNDERGROUND	F.A.S.T.	702-432-5300
	CLARK COUNTY TRAFFIC OPERATIONS	702-455-7511
	CITY OF LAS VEGAS T.E.F.O.	702-229-6611
BEFORE YOU OVERHEAD	NV ENERGY	702-227-2929

APPROVED FOR CONSTRUCTION

SIGNED BY MIKE DISHARI ON 4/19/17 FOR DJM (SEE ORIGINAL MYLAR)

LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER

DATE: PROJECT# 123892

NO.	DATE	REVISIONS

PREPARED BY
GCW ENGINEERS\SURVEYORS
1555 S. RAINBOW BLVD.
LAS VEGAS, NV 89146
T: 702.804.2000
F: 702.804.2299
gcwengineering.com

PREPARED FOR
CITY OF LAS VEGAS

BID# 17-50168
H# 50168
DESIGNED BY: JFG
DRAWN BY: MVD
CHECKED BY: TAM
DATE: 4/25/17
SUBMITTAL STAGE: FINAL

TITLE
SIDEWALK INFILL - ARVILLE STREET, VISTA DRIVE AND HINSON STREET

SHEET
DEMOLITION & CONSTRUCTION PLAN "HS" 43+50 TO "HS" 48+00 (ADD/ALT)

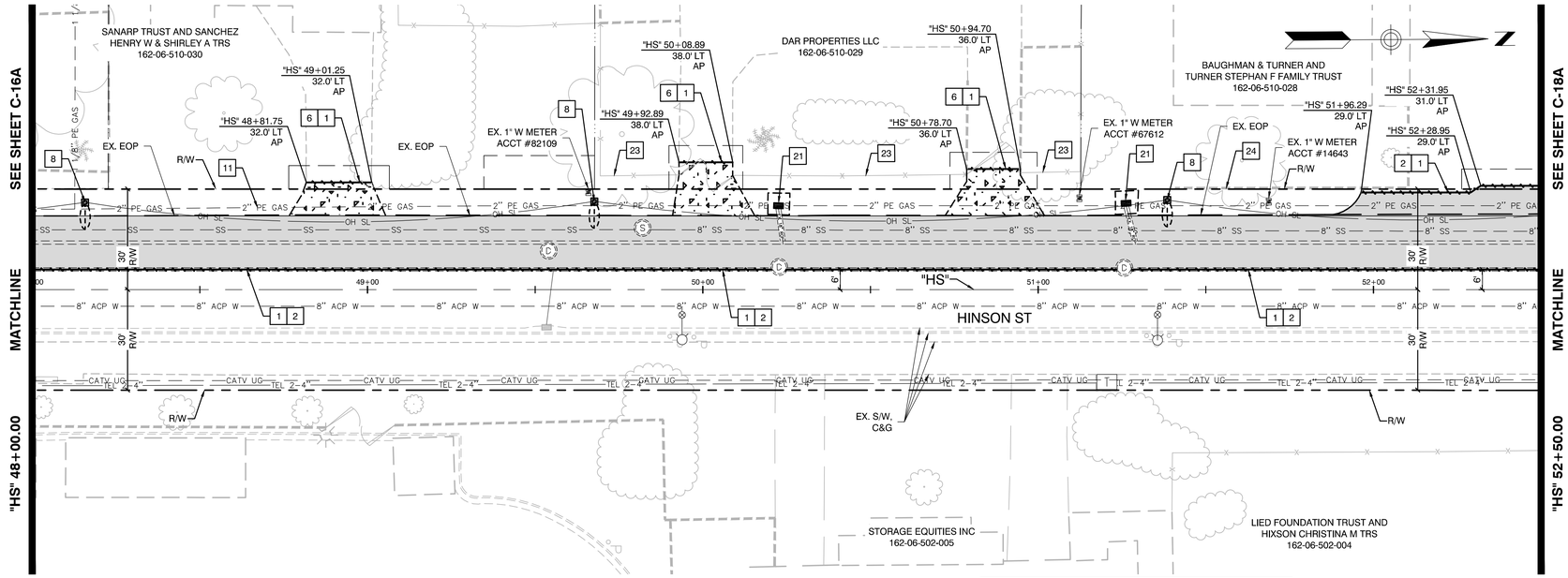
PROFESSIONAL ENGINEER - STATE OF NEVADA
TIMOTHY A. McCOY
Exp. 12/31/2017
CIVIL
No. 11511
4/25/17

SHEET
C-16A
32 OF 74

DRAWING NO.
107V 5837-4

Proj#: 123892 Agr# 11561Z OS: 162-06 NE

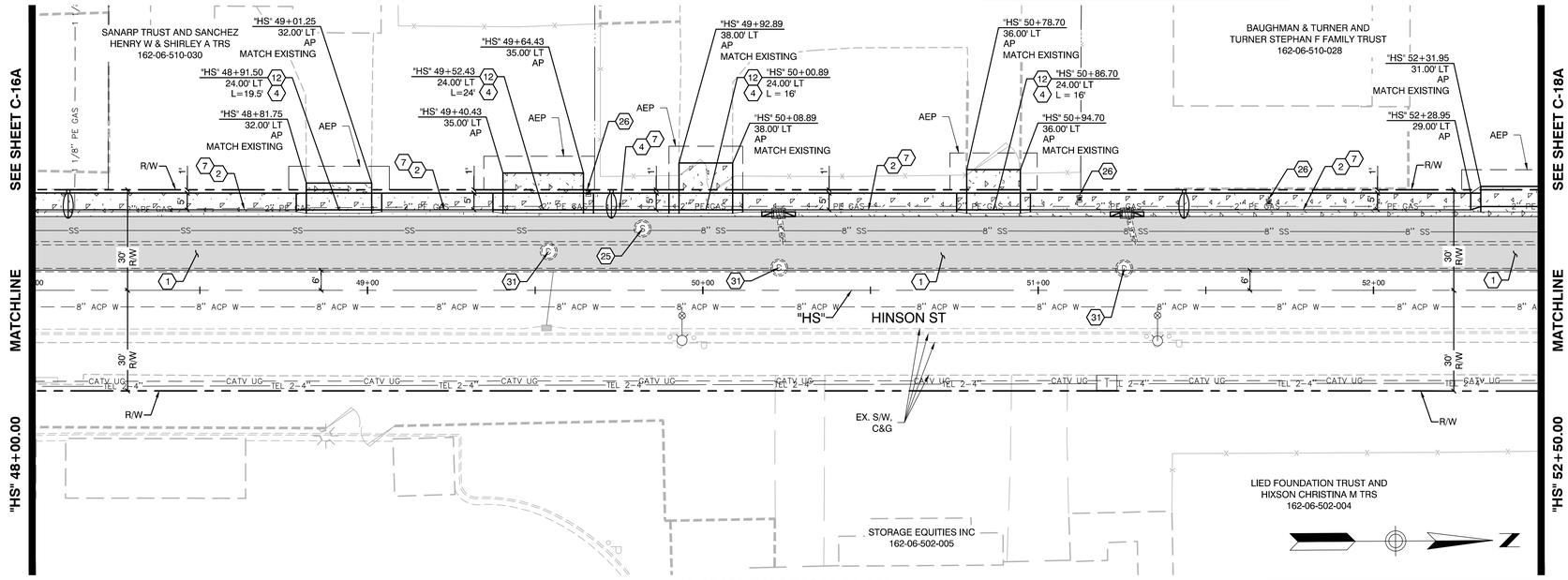
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DEMOLITION PLAN

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CONSTRUCTION PLAN

LVVWD NOTE:
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GRAPHIC SCALE
20 0 10 20 40
(IN FEET)

APPROVED FOR CONSTRUCTION

SIGNED BY MIKE DISHARI ON 4/19/17 FOR DJM (SEE ORIGINAL MYLAR)

LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER

DATE: PROJECT# 123892

LEGEND

- REMOVE/CONSTRUCT PLANTMIX BITUMINOUS SURFACE (SEE TYPICAL SECTIONS FOR PAVEMENT SECTION)
- REMOVE/CONSTRUCT CONCRETE
- REMOVE/INSTALL LANDSCAPING ROCK

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29. ADJUST PULLBOX (BY CENTURYLINK)
30. ADJUST WATER MANHOLE TO FINISHED GRADE (LVVWD DESIGN STD. PL08-4, ACAD STD.) (SEE DETAIL D, SHEET C-19)
31. ADJUST STORM DRAIN MANHOLE TO FINISHED GRADE (USDCCA STD. DWG. NO. 408)
32. RELOCATE WATER TEST STATION TO FINISH GRADE (SEE DETAIL A SHEET A, SHEET C-20)
33. GAS VALVES TO BE ADJUSTED (BY SW GAS)
34. RELOCATE EXISTING WATER METER BOX TO FINISHED GRADE (UDACS PLATE #4)
35. CONSTRUCT CONCRETE 'L' TYPE ISLAND CURB (USDCCA STD. DWG. NO. 219)

NOTES:
1. SEE L-SHEETS FOR STREETLIGHT & STREETLIGHT PULLBOX REMOVALS.
2. SEE ST-SHEETS FOR SIGN REMOVALS.
3. SEE HORIZONTAL CONTROL PLANS FOR GEOMETRY.
4. DIMENSIONS ARE TO CONTROL LINE, BACK OF CURB, BACK OF SIDEWALK AND/OR EDGE OF PAVEMENT, UNLESS OTHERWISE NOTED.

NO.	DATE	REVISIONS

PREPARED BY
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CITY OF LAS VEGAS

BID# 17-50168 | DESIGNED BY: JFG
H# 50168 | DRAWN BY: MVD
DATE: 4/25/17 | CHECKED BY: TAM
SUBMITTAL STAGE: FINAL

TITLE
SIDEWALK INFILL - ARVILLE STREET, VISTA DRIVE AND HINSON STREET

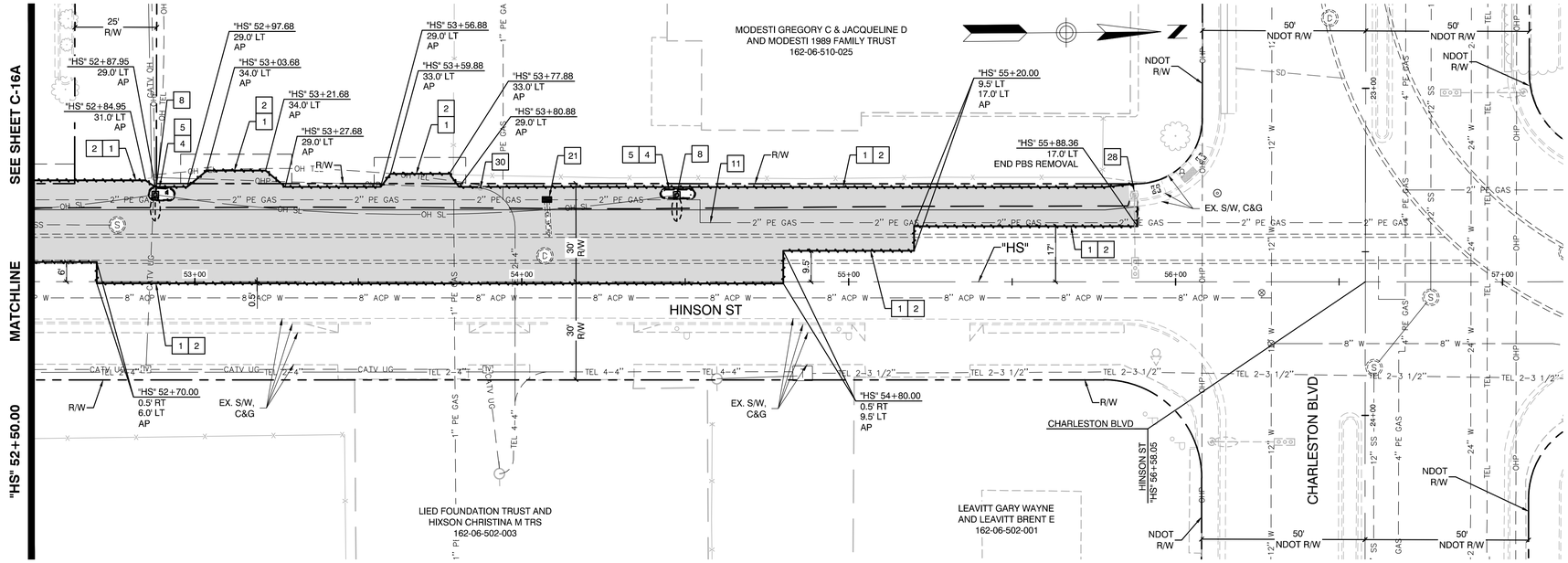
SHEET
DEMOLITION & CONSTRUCTION PLAN "HS" 48+00 TO "HS" 52+50 (ADD/ALT)

TIMOTHY A. McCOY
Exp. 12/31/2017
CIVIL
STATE OF NEVADA
No. 11511
PROFESSIONAL ENGINEER
4/25/17

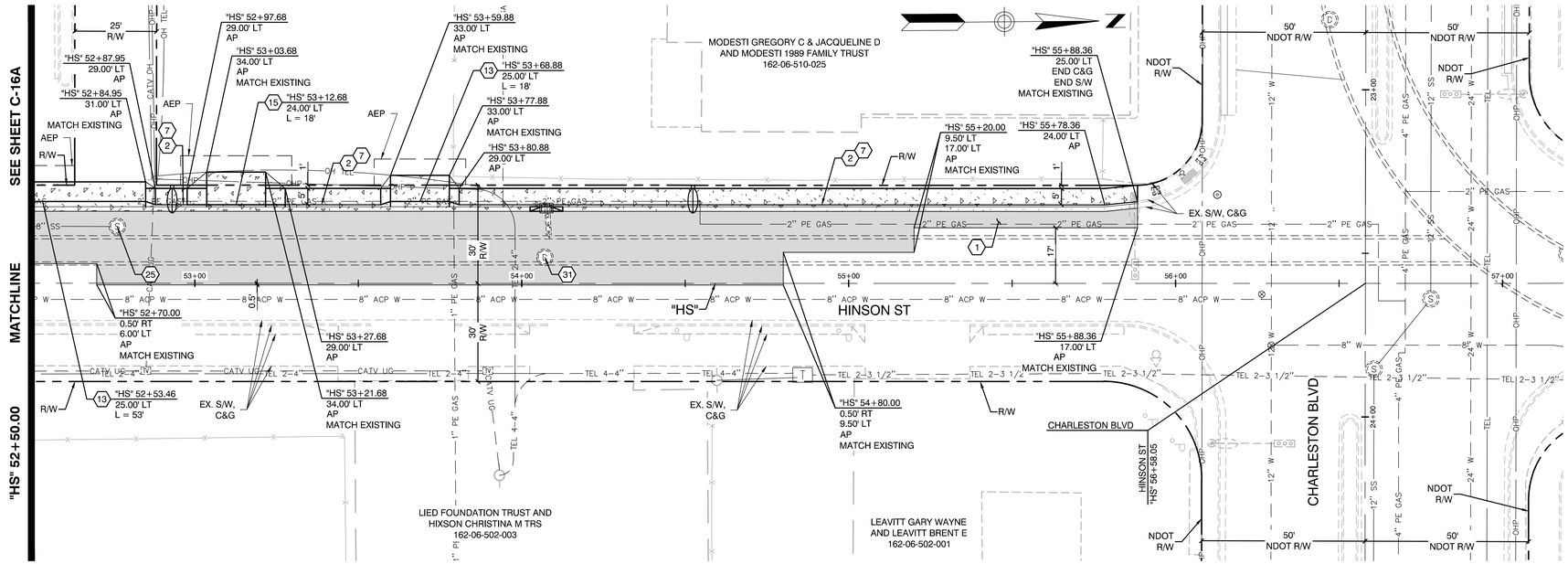
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C-17A
33 OF 74
DRAWING NO.
107V 5837-4

Proj#: 123892 Agr# 11561.2 QS: 162-06 NE

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DEMOLITION PLAN



CONSTRUCTION PLAN

LEGEND

- REMOVE/CONSTRUCT PLANTMIX BITUMINOUS SURFACE (SEE TYPICAL SECTIONS FOR PAVEMENT SECTION)
- REMOVE/CONSTRUCT CONCRETE
- REMOVE/INSTALL LANDSCAPING ROCK

GRAPHIC SCALE

20 0 10 20 40

(IN FEET)

APPROVED FOR CONSTRUCTION

SIGNED BY MIKE DISHARI ON 4/19/17 FOR DJM (SEE ORIGINAL MYLAR)

LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER

DATE: PROJECT# 123892

CALL BEFORE CONSTRUCTION

BEFORE YOU DIG	USA NORTH	811 OR 800-227-2600
BEFORE YOU UNDERGROUND	F.A.S.T.	702-432-5300
	CLARK COUNTY TRAFFIC OPERATIONS	702-455-7511
	CITY OF LAS VEGAS T.E.F.O.	702-229-6611
BEFORE YOU OVERHEAD	NV ENERGY	702-227-2929

DEMOLITION NOTES

1. SAWCUT & MATCH EXISTING
2. REMOVE BITUMINOUS SURFACE AND AGGREGATE BASE
3. REMOVE CONCRETE CURB & GUTTER
4. REMOVE CONCRETE CURB
5. REMOVE CONCRETE MEDIAN
6. REMOVE CONCRETE SIDEWALK AND/OR DRIVEWAY
7. REMOVE LANDSCAPING ROCK
8. REMOVE STREET LIGHT POLE (SEE LIGHTING PLANS)
9. REMOVE & RELOCATE POWER POLE (BY NV ENERGY)
10. REMOVE & RELOCATE GAS VALVE (BY SWG)
11. PROTECT GAS LINE IN-PLACE
12. REMOVE CHAIN-LINK, WROUGHT IRON OR METAL FENCE & GATES & SALVAGE FOR RE-USE
13. REMOVE CHAIN-LINK, WROUGHT IRON OR METAL FENCE & GATES & DISPOSE (SUB-STANDARD FENCING)
14. REMOVE CONCRETE/CMU WALL
15. REMOVE CONCRETE CROSS GUTTER AND/OR SPANDREL
16. REMOVE FIRE HYDRANT & RELOCATE (UDACS PLATE # 40)
17. REMOVE/TRIM TREE/STUMP/BUSH AS REQUIRED FOR PROPOSED IMPROVEMENT INSTALLATION AS DIRECTED BY ENGINEER
18. REFER TO SPECIAL PROVISION SECTIONS 212 & 213 FOR LANDSCAPE AND IRRIGATION PROTECTION, REMOVAL & RESTORATION
19. RELOCATE BOULDER
20. REMOVE BOLLARD
21. REMOVE DROP INLET (SEE DETAILED GRADING PLANS)
22. REMOVE GUY WIRE (BY NV ENERGY)
23. PROTECT CHAIN-LINK, WOOD, WROUGHT IRON OR METAL FENCE & GATES IN-PLACE
24. PROTECT CONCRETE/CMU BLOCK WALL IN-PLACE
25. PROTECT CONCRETE CROSS GUTTER IN-PLACE
26. PROTECT FIRE HYDRANT IN-PLACE
27. REMOVE WATER METER BOXES
28. PROTECT PULLBOX AND UTILITY (COX, CENTURYLINK, NV ENERGY, TRAFFIC SIGNAL, STREET LIGHT)
29. PROTECT AVAR
30. PROTECT UTILITY POLE AND/OR GUY WIRE IN-PLACE
31. PROTECT PULLBOX IN-PLACE
32. PROTECT SIGNAL AND/OR PED POLE
33. PROTECT MAILBOX IN PLACE
34. PROTECT DROP INLET
35. REMOVE 6" WATER LINE
36. RELOCATE MAILBOX 6" MIN BEHIND PROPOSED BACK OF SIDEWALK
37. PROTECT GAS VALVE IN PLACE
38. PROTECT WATER TEST STATION

CONSTRUCTION NOTES

1. CONSTRUCT PLANTMIX BITUMINOUS SURFACE OVER TYPE II AGGREGATE BASE (SEE TYPICAL SECTIONS)
2. CONSTRUCT CONCRETE "L" TYPE CURB & GUTTER (USDCCA STD. DWG. NO. 216)
3. CONSTRUCT CONCRETE "A" TYPE CURB & GUTTER (USDCCA STD. DWG. NO. 219)
4. CONSTRUCT CONCRETE "R" TYPE CURB & GUTTER (USDCCA STD. DWG. NO. 217.S2)
5. CONSTRUCT CURB TRANSITION (SEE DETAIL B, SHEET C-19)
6. CONSTRUCT CONCRETE CROSS GUTTER AND/OR SPANDREL (USDCCA STD. DWG. NO. 228)
7. CONSTRUCT CONCRETE SIDEWALK (WIDTH VARIES)(USDCCA STD. DWG. NO. 234)
8. CONSTRUCT SIDEWALK DRAIN (USDCCA STD. DWG. NO. 236)
9. CONSTRUCT SIDEWALK RAMP - CASE I WITH TACTILE WARNING PANEL (USDCCA STD. DWG. NO 235)
10. CONSTRUCT MODIFIED SIDEWALK RAMP - CASE I WITH TACTILE WARNING PANEL (USDCCA STD. DWG. NO 235)(SEE DETAIL C, SHEET C-19)
11. INSTALL TACTILE WARNING PANEL (USDCCA STD. DWG. NO. 235)
12. CONSTRUCT CONCRETE RESIDENTIAL DRIVEWAY (USDCCA STD. DWG. NO. 223)
13. CONSTRUCT CONCRETE COMMERCIAL DRIVEWAY (OPTION A) (USDCCA STD. DWG. NO. 224)
14. CONSTRUCT CONCRETE COMMERCIAL DRIVEWAY (OPTION C) (USDCCA STD. DWG. NO. 226.S1)
15. CONSTRUCT DEPRESSED ALLEY DRIVEWAY (USDCCA STD. DWG. NO. 227.S1)
16. CONSTRUCT BLOCK RETAINING WALL (SEE SOUTHERN NEVADA BUILDING REGIONAL STANDARDS B-100-1)
17. CONSTRUCT CMU WALL (SEE SOUTHERN NEVADA BUILDING REGIONAL STANDARDS B-100-2)
18. REMOVE EXISTING 6" CIP AND RECONNECT FIRE HYDRANT WITH ALL PVC
19. INSTALL SALVAGED CHAIN-LINK FENCE & GATES. (FOUNDATIONS PER USDCCA STD. DWG. NO. 252 & 253)
20. INSTALL CHAIN-LINK FENCE & GATES (MATCH EXISTING) (USDCCA STD. DWG. NO. 252 & 253)
21. RESET EXISTING FIRE HYDRANT ON NEW CONCRETE PAD (UDACS PLATE # 40)
22. ADJUST EXISTING PULLBOX TO FINISHED GRADE (USDCCA STD. DWG. NO. 328)
23. ADJUST EXISTING VALVE BOX TO FINISHED GRADE W/ CONCRETE COLLAR (UDACS PLATE #39). VALVE BOX SHALL BE ACCESSIBLE AT ALL TIMES.
24. RELOCATE AVAR (UDACS PLATE NO. 38)
25. ADJUST SANITARY SEWER MANHOLE TO FINISHED GRADE (DCSWCS DRAWINGS SD-2, SD-4, AND SD-5)
26. ADJUST EXISTING WATER METER BOX TO FINISHED GRADE (UDACS PLATE #4) (SEE DETAIL A, SHEET C-21)
27. INSTALL 1" LANDSCAPING ROCK (APACHE RED)
28. CONSTRUCT MONOLITHIC CURB AT BACK OF SIDEWALK TO MATCH NEW SIDEWALK (SEE DETAIL A, SHEET C-19)
29. ADJUST PULLBOX, (BY CENTURYLINK)
30. ADJUST WATER MANHOLE TO FINISHED GRADE (LVVWD DESIGN STD. PL08-4, ACAD STD.) (SEE DETAIL D, SHEET C-19)
31. ADJUST STORM DRAIN MANHOLE TO FINISHED GRADE (USDCCA STD. DWG. NO. 408)
32. RELOCATE WATER TEST STATION TO FINISH GRADE (SEE DETAIL A SHEET A, SHEET C-20)
33. GAS VALVES TO BE ADJUSTED (BY SW GAS)
34. RELOCATE EXISTING WATER METER BOX TO FINISHED GRADE (UDACS PLATE #4)
35. CONSTRUCT CONCRETE "L" TYPE ISLAND CURB (USDCCA STD. DWG. NO. 219)

NOTES:
1. SEE L-SHEETS FOR STREETLIGHT & STREETLIGHT PULLBOX REMOVALS.
2. SEE ST-SHEETS FOR SIGN REMOVALS.
3. SEE HORIZONTAL CONTROL PLANS FOR GEOMETRY.
4. DIMENSIONS ARE TO CONTROL LINE, BACK OF CURB, BACK OF SIDEWALK AND/OR EDGE OF PAVEMENT, UNLESS OTHERWISE NOTED.

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PREPARED FOR
CITY OF LAS VEGAS

BID# 17-50168
H# 50168
DESIGNED BY: JFG
DRAWN BY: MVD
CHECKED BY: TAM
DATE: 4/25/17
SUBMITTAL STAGE: FINAL

TITLE
SIDEWALK INFILL - ARVILLE STREET, VISTA DRIVE AND HINSON STREET

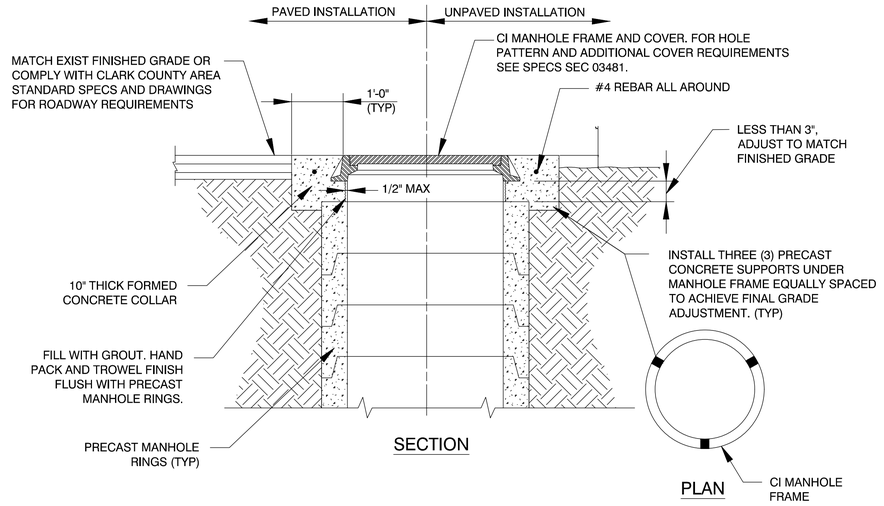
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DEMOLITION & CONSTRUCTION PLAN
"HS" 52+50 TO "HS" 56+58.05 (ADD/ALT)

PROFESSIONAL ENGINEER - STATE OF NEVADA
TIMOTHY A. McCOY
Exp. 12/31/2017
CIVIL
No. 11511
4/25/17

SHEET
C-18A
34 OF 74
DRAWING NO.
107V 5837-4

Proj#: 123892 Agr# 115612 OS: 162-06 NE

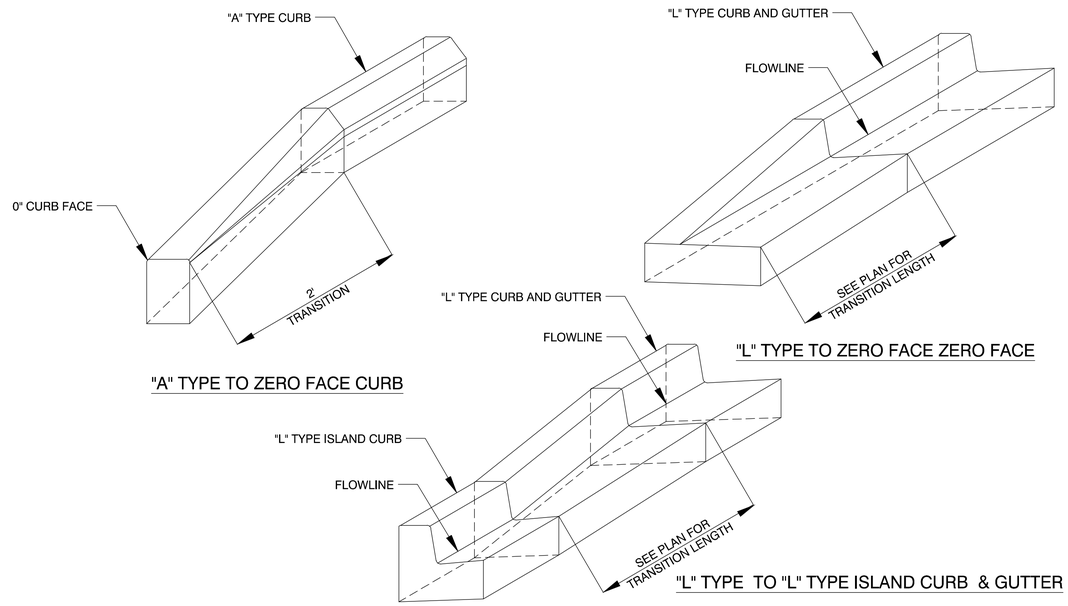
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MANHOLE COVER AND COLLAR INSTALLATION

NOT TO SCALE PL08-4 062007

D
C-19

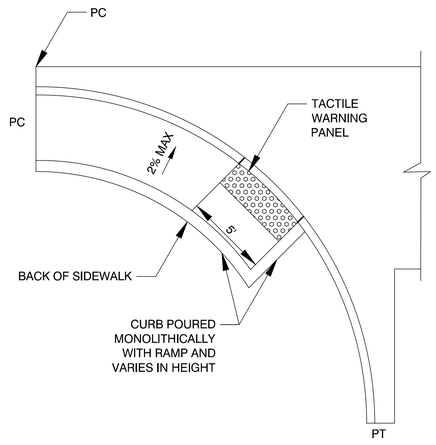


CURB TRANSITION

NOT TO SCALE

B
C-19

*CONTRACTOR SHALL MAINTAIN POSITIVE FLOW

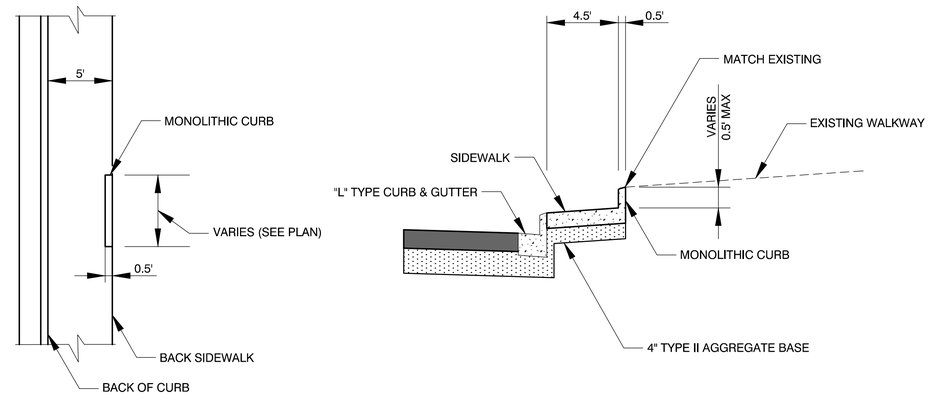


MODIFIED CASE I SIDEWALK RAMP

NOT TO SCALE

C
C-19

NOTE:
SEE USDCCA STD. DWG. NO. 235 FOR RAMP DETAILS.



MONOLITHIC CURB (@ BACK OF SIDEWALK)

NOT TO SCALE

A
C-19

NO.	DATE	REVISIONS

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DATE: 4/25/17 | DRAWN BY: MVD
SUBMITTAL STAGE: FINAL | CHECKED BY: TAM

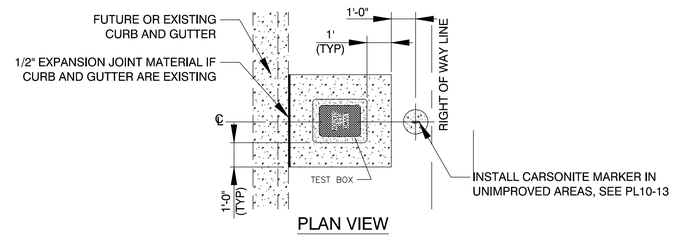
TITLE
SIDEWALK INFILL - ARVILLE STREET, VISTA DRIVE AND HINSON STREET

SHEET
CONSTRUCTION DETAILS

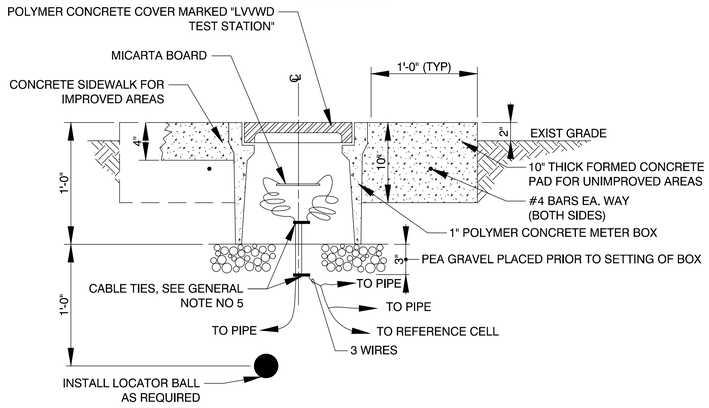
PROFESSIONAL ENGINEER - STATE OF NEVADA
TIMOTHY A. McCOY
Exp. 12/31/2017
CIVIL
No. 11511
4/25/17

SHEET
C-19
35 OF 74
DRAWING NO.
107V 5837-4

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PLAN VIEW

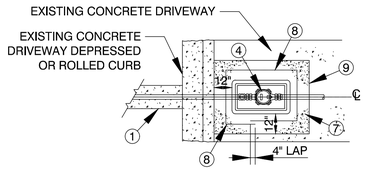


DESIGNER NOTE:
FOR GENERAL NOTES SEE PL12-10

TEST BOX DETAIL - TYPICAL

NOT TO SCALE PL12-2 090808

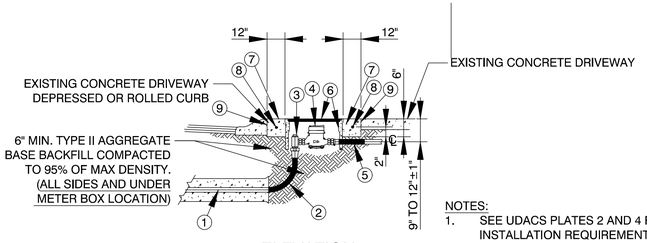
A C-20



PLAN VIEW

LEGEND

1. EXISTING SERVICE LATERAL ENCASED IN SAND BACKFILL
2. SERVICE LATERAL (1" DIAMETER MIN) COVERED WITH PREFORMED POLYFOAM PIPE INSULATION (1/2" MIN)
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 (1/2" MIN)
6. ARMORCAST METER BOX ASSEMBLY: 5/8 TO 1-INCH METERS USE 13" X 24" SIZE
7. FORMED CONCRETE COLLAR (12" 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

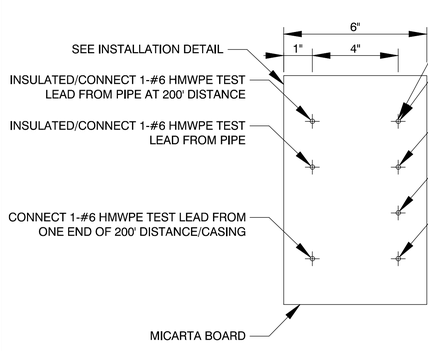
NOTES:

1. SEE UDACS PLATES 2 AND 4 FOR FURTHER INSTALLATION REQUIREMENTS.
2. CONTACT LVVWD INSPECTION DIVISION, 702-258-7171 FOR INSPECTION OF THE SERVICE, BACKFILL AND DENSITY TESTING PRIOR TO CONSTRUCTING THE CONCRETE COLLAR, AND FOR THE FINAL INSPECTION.

RETROFIT FOR WATER SERVICE INSTALLATIONS LOCATED WITHIN EXISTING DRIVEWAY AREAS

NOT TO SCALE

B C-20



NOTE:
SEE GENERAL CATHODIC PROTECTION GENERAL NOTES.

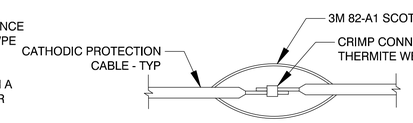
TYPICAL TEST BOARD DETAIL- PIPELINE CURRENT MEASUREMENTS

NOT TO SCALE

C C-20

PROCEDURE TO RELOCATE A CORROSION TEST STATION:

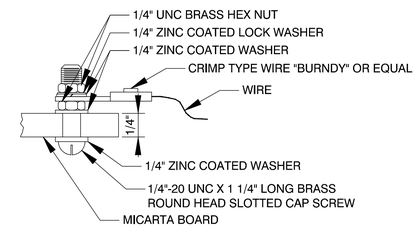
1. EXPOSE THE TEST STATION(S) AND LABEL ALL LEADS ACCORDING TO THE TYPICAL TEST BOARD DETAIL.
2. THE LEADS THAT ARE CONNECTED TO THE PIPE REQUIRE #6 COPPER WIRE WITH A HMWPE JACKET SUCH AS RAYCHEM PERMARAD.
3. THE LEAD THAT IS CONNECTED TO THE REFERENCE CELL REQUIRES #14 COPPER WIRE WITH A HMWPE JACKET SUCH AS RAYCHEM PERMARAD.
4. CONNECT THE TWO WIRES TO BE SPLICED WITH A COPPER BUTT CONNECTION USING THE PROPER CRIMPING TOOL.
5. MAKE EACH SPLICE USING A 3M SCOTCHCAST RESIN SPLICING KIT.
6. RECONNECT THE TEST BOARD TO PROPER LEADS, AND PLACE THE TEST BOX AT THE NEW SITE.
7. THE TEST BOX AT THE NEW SITE WILL BE INSTALLED ACCORDING TO THE TYPICAL TEST BOX DETAIL.
8. ALL TEST LEADS AND ANODE LEADS INSIDE THE TEST BOX SHALL BE BUNDLED TOGETHER AT 8 INCH INTERVALS WITH NYLON TIES AND SHALL BE PROVIDED WITH A MINIMUM OF 4 FEET OF SLACK.
9. ALL TEST LEADS AND ANODE LEADS SHALL BE COLOR CODED WITH COLORED TAPE AT EACH END, AND AT 4 FEET INTERVALS.
10. RELOCATED TEST STATION TO BE TESTED BY CERTIFIED CATHODIC PROTECTION SPECIALIST, CORROSION SPECIALIST, OR REGISTERED PROFESSIONAL CORROSION ENGINEER. RESULTS TO BE SUBMITTED IN WRITING TO LVVWD CONSTRUCTION DIVISION.



INLINE SPLICE

NOT TO SCALE

C C-20



TYPICAL LUG AND STUD CONNECTION

NOT TO SCALE

C C-20

APPROVED FOR CONSTRUCTION

SIGNED BY MIKE DISHARI ON 4/19/17 FOR DJM (SEE ORIGINAL MYLAR)

LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER

DATE: PROJECT# 123892

PREPARED BY
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CITY OF LAS VEGAS

H# 50168 | BID# 17-50168 | DESIGNED BY: JFG
DATE: 4/25/17 | DRAWN BY: MVD
SUBMITTAL STAGE: FINAL | CHECKED BY: TAM

TITLE
SIDEWALK INFILL - ARVILLE STREET, VISTA DRIVE AND HINSON STREET

SHEET
CONSTRUCTION DETAILS

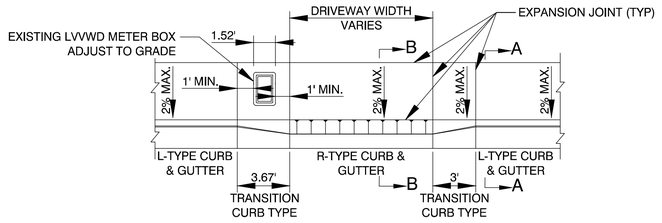
PROFESSIONAL ENGINEER - STATE OF NEVADA
TIMOTHY A. McCOY
Exp. 12/31/2017
CIVIL
No. 11511
4/25/17

SHEET
C-20
36 OF 74

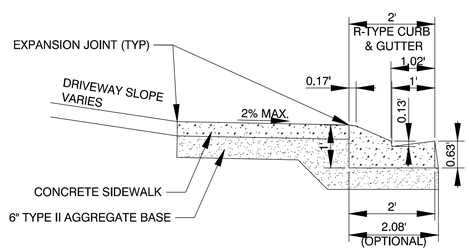
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107V 5837-4

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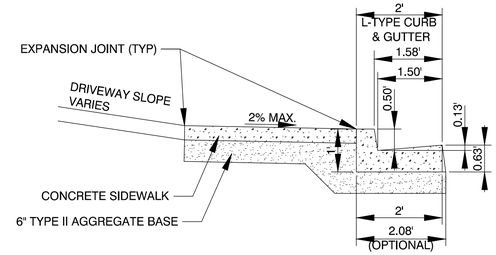
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PLAN VIEW



SECTION B-B



SECTION A-A

WATER METER DETAIL

NOT TO SCALE

C
C-21

APPROVED FOR CONSTRUCTION

SIGNED BY MIKE DISHARI ON 4/19/17 FOR DJM (SEE ORIGINAL MYLAR)

LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER

DATE: PROJECT# 123892

NO.	DATE	REVISIONS

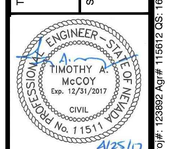
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SUBMITTAL STAGE: FINAL | DRAWN BY: MVD
CHECKED BY: TAM

TITLE
SIDEWALK INFILL - ARVILLE STREET, VISTA DRIVE AND HINSON STREET

SHEET
CONSTRUCTION DETAILS

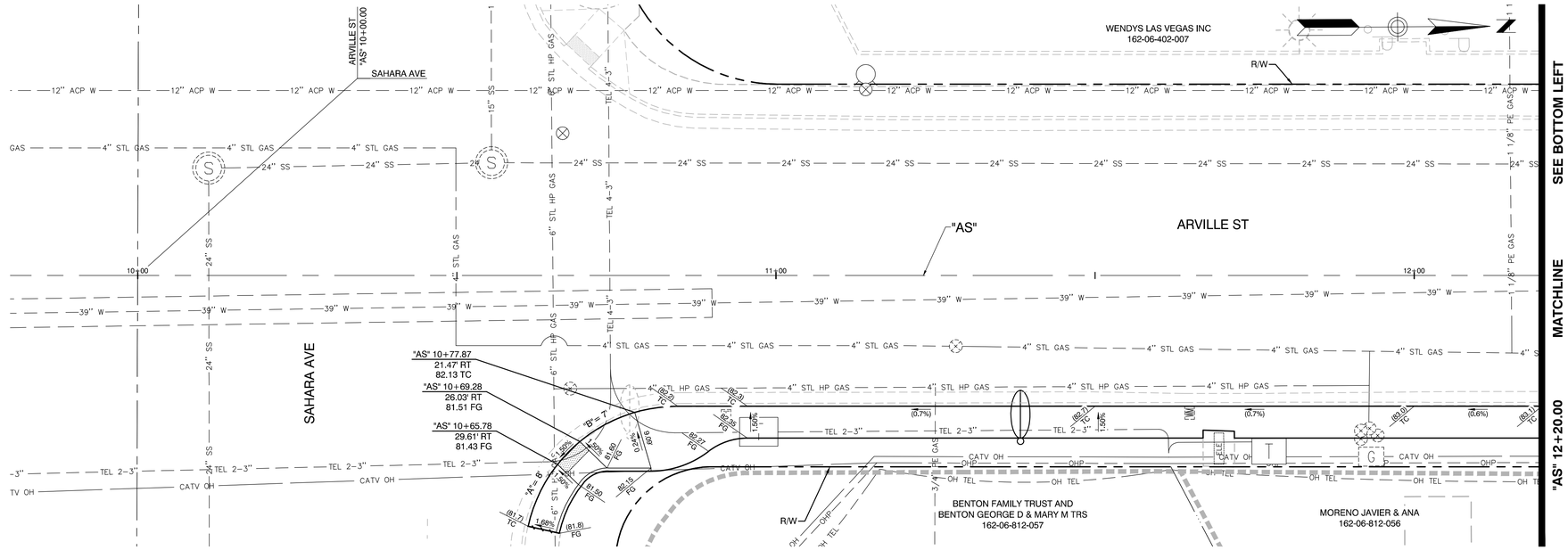


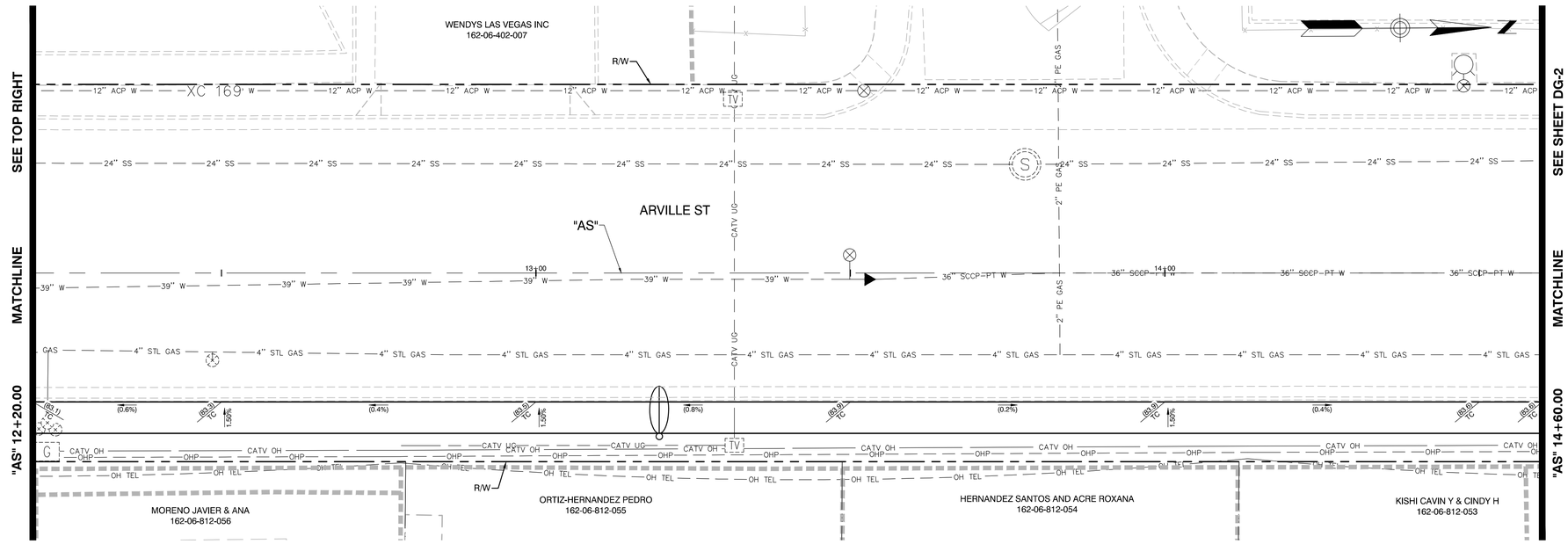
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C-21
37 OF 74

DRAWING NO.
107V 5837-4

Proj# 123892 Agr# 115612 QS: 162-06 NE

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GRADING AND DRAINAGE NOTES

1. INSTALL JENSEN PRECAST 24"X36" CURB INLET WITH CAST IRON FRAME, NEENAH GRATE R-3295 AND CURB HOOD (MODEL #DI2436) OR APPROVED EQUAL AND (USDCCA STD. DWG. NO. 421)
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4. CONSTRUCT TYPE II STORM DRAIN MANHOLE (USDCCA STD. DWG. NO. 405.2)
5. INSTALL 18" RCP STORM DRAIN (CLASS III UNLESS OTHERWISE NOTED)
6. CONNECT TO EXISTING RCB
7. INSTALL JENSEN PRECAST HIGH CAPACITY CURB INLET WITH QUADRUPLE CAST IRON FRAME, NEENAH GRATES R-3295 AND CURB HOOD (MODEL #DI2436-X4) OR APPROVED EQUAL AND CONNECT TO EXISTING RCP STORM DRAIN PIPE (USDCCA STD. DWG. NO. 421)
8. REMOVE EXISTING RCP STORM DRAIN (30" OR SMALLER)

LATERAL RUN PROFILE INDEX	
LATERAL RUN NO	SEE SHEET
1 THRU 4	DG-17

NO.	DATE	REVISIONS

PREPARED BY
GCW
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ENGINEERS \ SURVEYORS
gcwengineering.com

PREPARED FOR
CITY OF LAS VEGAS

BID# 17-50168
H# 50168
DESIGNED BY: JFG
DRAWN BY: MVD
CHECKED BY: TAM
DATE: 4/25/17
SUBMITTAL STAGE: **FINAL**

TITLE
SIDEWALK INFILL - ARVILLE STREET, VISTA DRIVE AND HINSON STREET

SHEET
DETAIL GRADING PLAN "AS" 10+00 TO "AS" 14+60

GRAPHIC SCALE
10 0 5 10 20
(IN FEET)

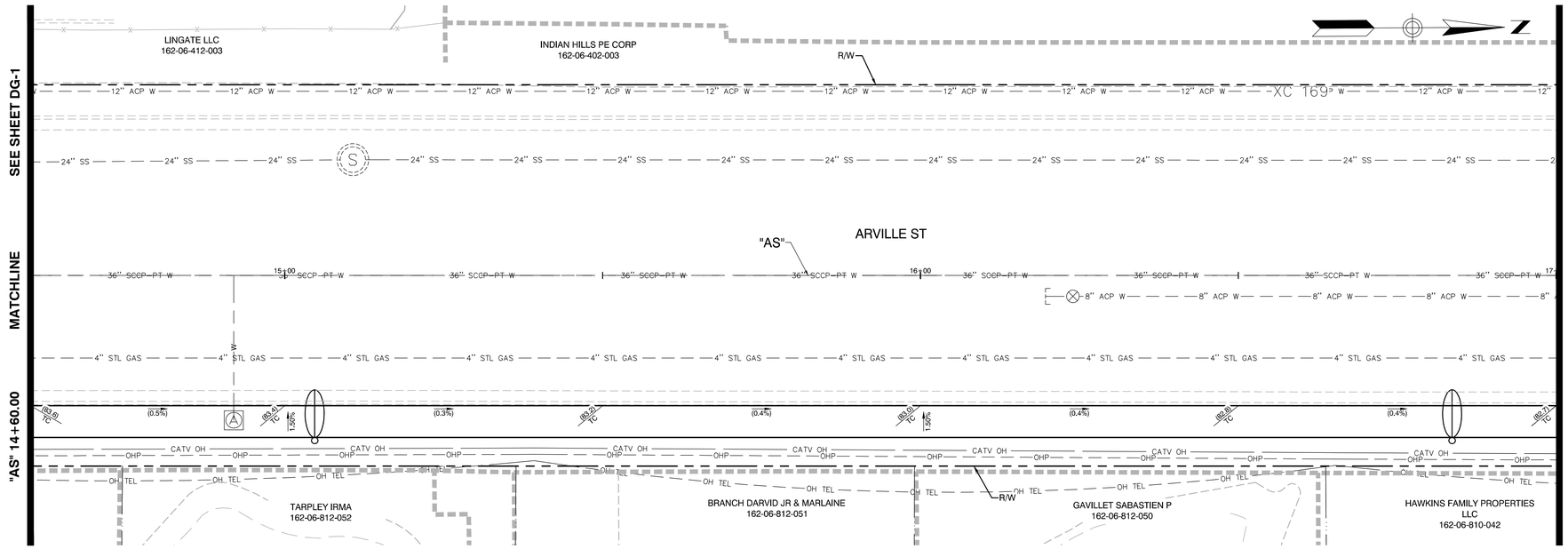
CALL BEFORE CONSTRUCTION

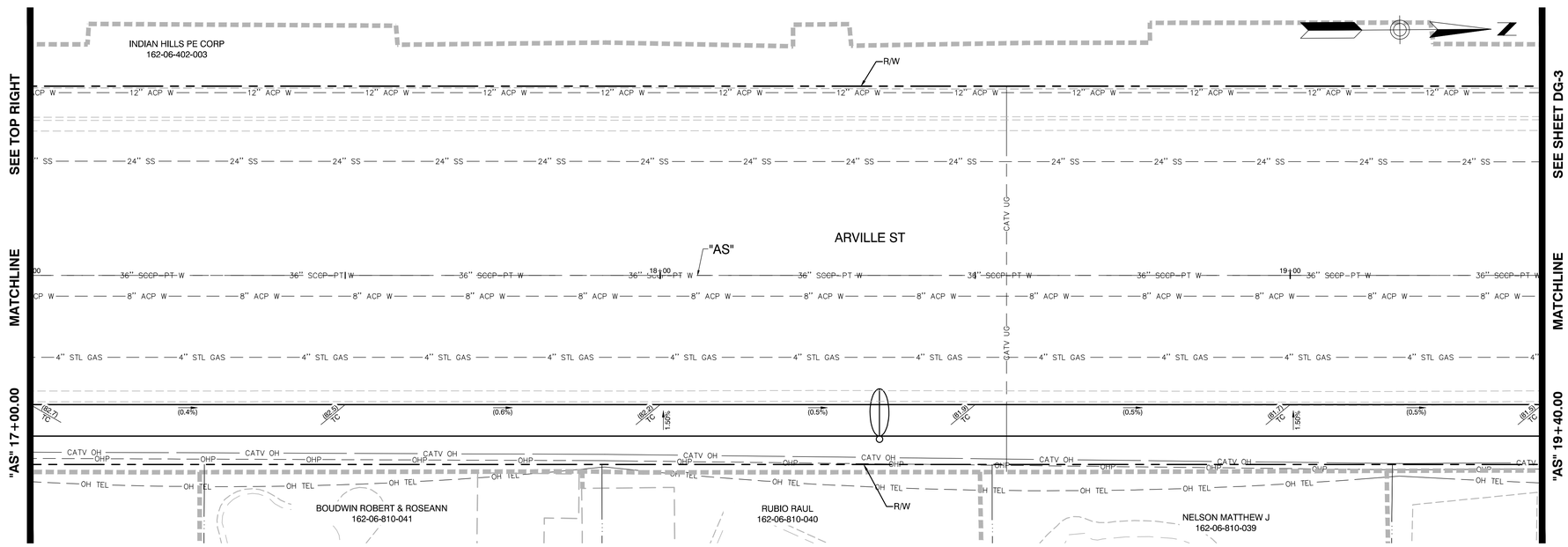
BEFORE YOU DIG	USA NORTH	811 OR 800-227-2600
BEFORE YOU UNDERGROUND	F.A.S.T.	702-432-5300
	CLARK COUNTY TRAFFIC OPERATIONS	702-455-7511
	CITY OF LAS VEGAS T.E.F.O.	702-229-6611
BEFORE YOU OVERHEAD	NV ENERGY	702-227-2929

PROFESSIONAL ENGINEER STATE OF NEVADA
TIMOTHY A. McCOY
Exp. 12/31/2017
CIVIL
No. 11511
4/25/17

SHEET
DG-1
38 OF 74
DRAWING NO.
107V 5837-4

F:\Projects\40042-68\DWG\Production\07-M1_DG01.DGS17.dwg, 5/15/2017 10:46:08 AM, jgarman





GRADING AND DRAINAGE NOTES

1. INSTALL JENSEN PRECAST 24"X36" CURB INLET WITH CAST IRON FRAME, NEENAH GRATE R-3295 AND CURB HOOD (MODEL #DI2436) OR APPROVED EQUAL (USDCCA STD. DWG. NO. 421)
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LATERAL RUN PROFILE INDEX	
LATERAL RUN NO	SEE SHEET
1 THRU 4	DG-17

GRAPHIC SCALE
10 0 5 10 20
(IN FEET)

CALL BEFORE CONSTRUCTION

BEFORE YOU DIG	USA NORTH	811 OR 800-227-2600
BEFORE YOU UNDERGROUND	F.A.S.T.	702-432-5300
	CLARK COUNTY TRAFFIC OPERATIONS	702-455-7511
	CITY OF LAS VEGAS T.E.F.O.	702-229-6611
BEFORE YOU OVERHEAD	NV ENERGY	702-227-2929

NO.	DATE	REVISIONS

PREPARED BY
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PREPARED FOR
CITY OF LAS VEGAS

BID# 17.50168 | DESIGNED BY: JFG | DRAWN BY: MVD | CHECKED BY: TAM
H# 50168 | DATE: 4/25/17 | SUBMITTAL STAGE: FINAL

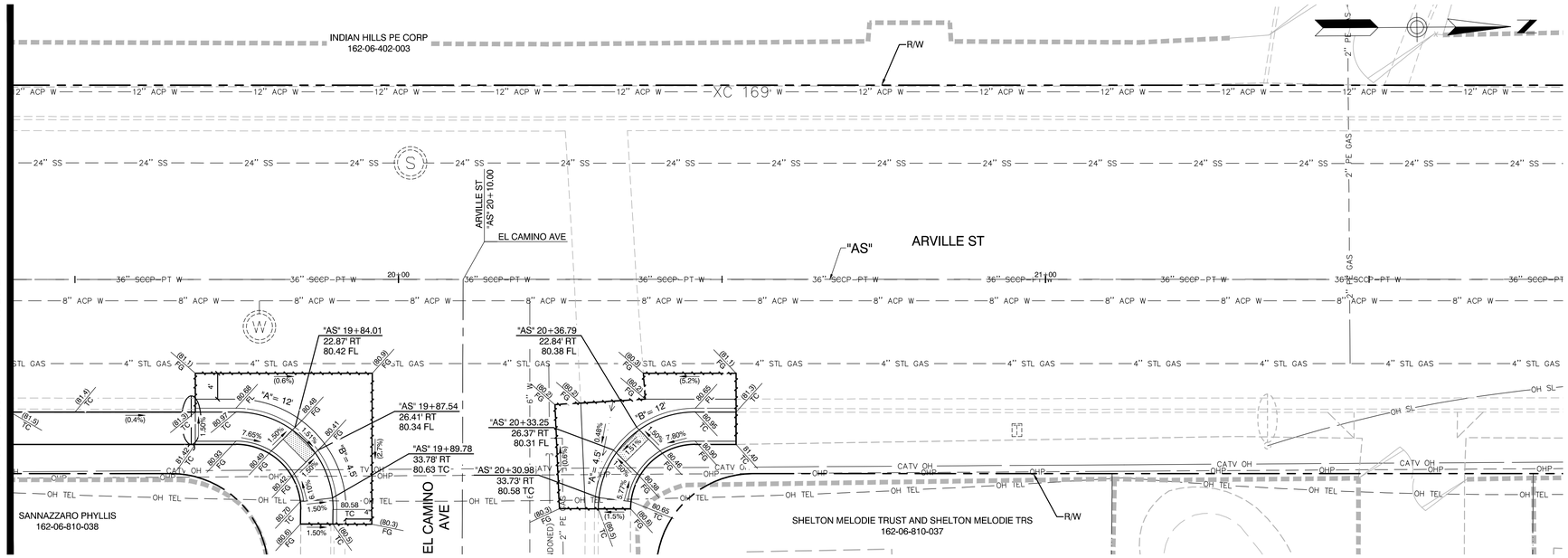
TITLE
SIDEWALK INFILL - ARVILLE STREET, VISTA DRIVE AND HINSON STREET

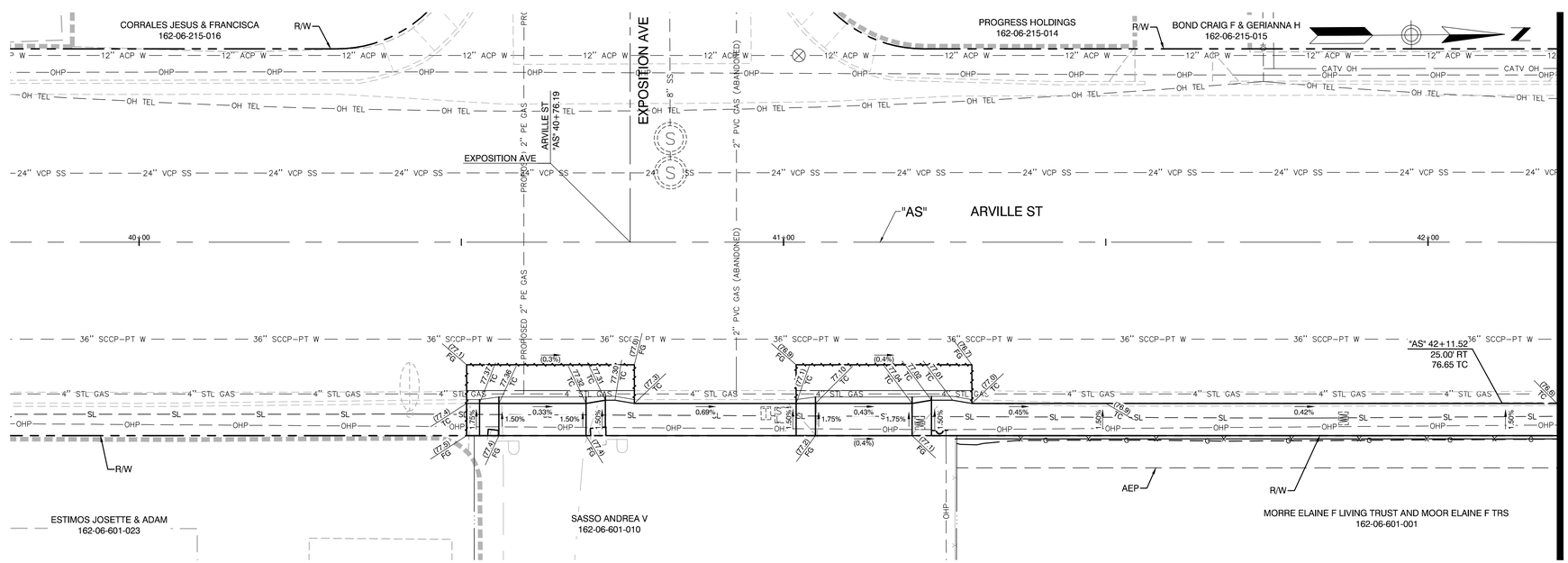
SHEET
DETAIL GRADING PLAN
"AS" 14+60 TO "AS" 19+40

PROFESSIONAL ENGINEER STATE OF NEVADA
TIMOTHY A. McCOY
Exp. 12/31/2017
CIVIL
No. 11511
4/25/17

SHEET
DG-2
39 OF 74
DRAWING NO.
107V 5837-4

F:\Projects\40\412-68\DWG\Production\07-M1_DG01.DGT1.dwg, 5/15/2017 10:46:22 AM, jgarman





GRADING AND DRAINAGE NOTES

1. INSTALL JENSEN PRECAST 24"X36" CURB INLET WITH CAST IRON FRAME, NEENAH GRATE R-3295 AND CURB HOOD (MODEL #DI2436) OR APPROVED EQUAL (USDCCA STD. DWG. NO. 421)
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LATERAL RUN PROFILE INDEX	
LATERAL RUN NO	SEE SHEET
1 THRU 4	DG-17

NO.	DATE	REVISIONS

PREPARED BY
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PREPARED FOR
CITY OF LAS VEGAS

BID# 17-50168
H# 50168
DESIGNED BY: JFG
DRAWN BY: MVD
CHECKED BY: TAM
DATE: 4/25/17
SUBMITTAL STAGE: **FINAL**

TITLE
SIDEWALK INFILL - ARVILLE STREET, VISTA DRIVE AND HINSON STREET

SHEET
DETAIL GRADING PLAN "AS" 19+40 TO "AS" 42+20

GRAPHIC SCALE
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(IN FEET)

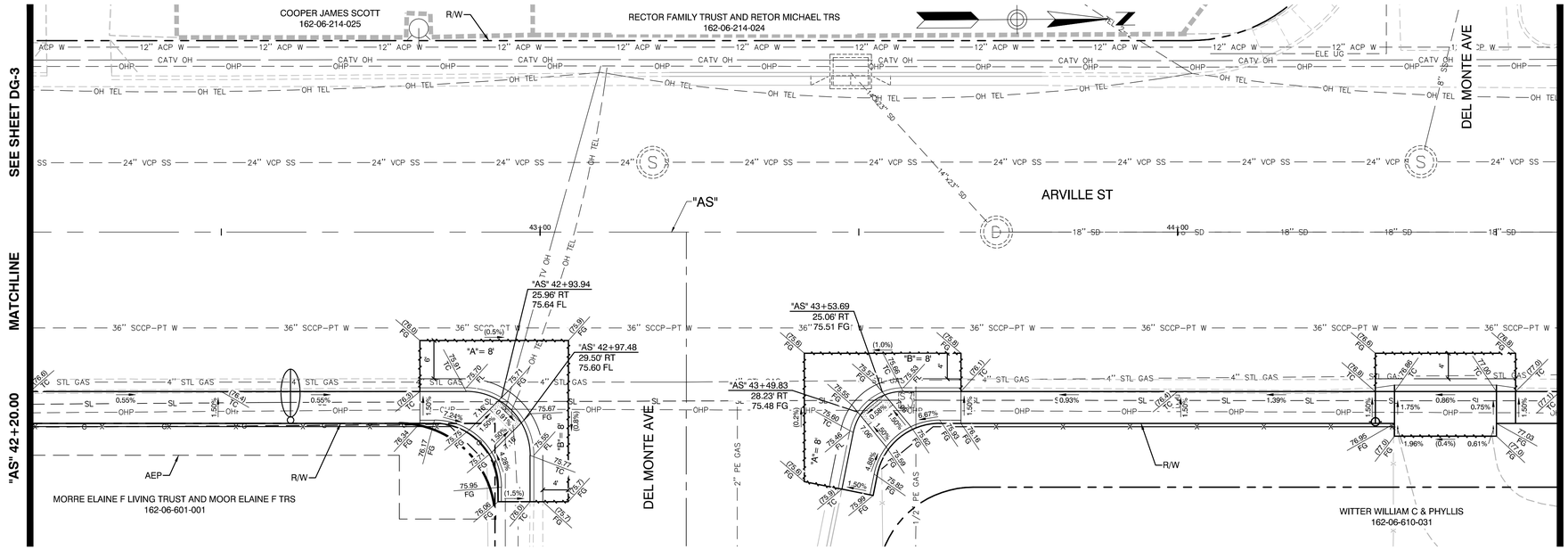
CALL BEFORE CONSTRUCTION

BEFORE YOU DIG	USA NORTH	811 OR 800-227-2600
BEFORE YOU UNDERGROUND	F.A.S.T.	702-432-5300
	CLARK COUNTY TRAFFIC OPERATIONS	702-455-7511
	CITY OF LAS VEGAS T.E.F.O.	702-229-6611
BEFORE YOU OVERHEAD	NV ENERGY	702-227-2929

TIMOTHY A. McCOY
Exp. 12/31/2017
CIVIL
PROFESSIONAL ENGINEER STATE OF NEVADA No. 11511
4/25/17

SHEET
DG-3
40 OF 74
DRAWING NO.
107V 5837-4

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GRADING AND DRAINAGE NOTES

1. INSTALL JENSEN PRECAST 24"X36" CURB INLET WITH CAST IRON FRAME, NEENAH GRATE R-3295 AND CURB HOOD (MODEL #DI2436) OR APPROVED EQUAL (USDCCA STD. DWG. NO. 421)
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LATERAL RUN PROFILE INDEX	
LATERAL RUN NO	SEE SHEET
1 THRU 4	DG-17

NO.	DATE	REVISIONS

PREPARED BY
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PREPARED FOR
CITY OF LAS VEGAS

BID# 17.50168
H# 50168

DESIGNED BY: JFG
DRAWN BY: MVD
CHECKED BY: TAM

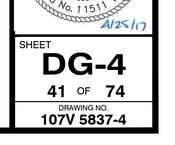
DATE: 4/25/17
SUBMITTAL STAGE: **FINAL**

TITLE
SIDEWALK INFILL - ARVILLE STREET, VISTA DRIVE AND HINSON STREET

SHEET
DETAIL GRADING PLAN "AS" 42+20 TO "AS" 46+90

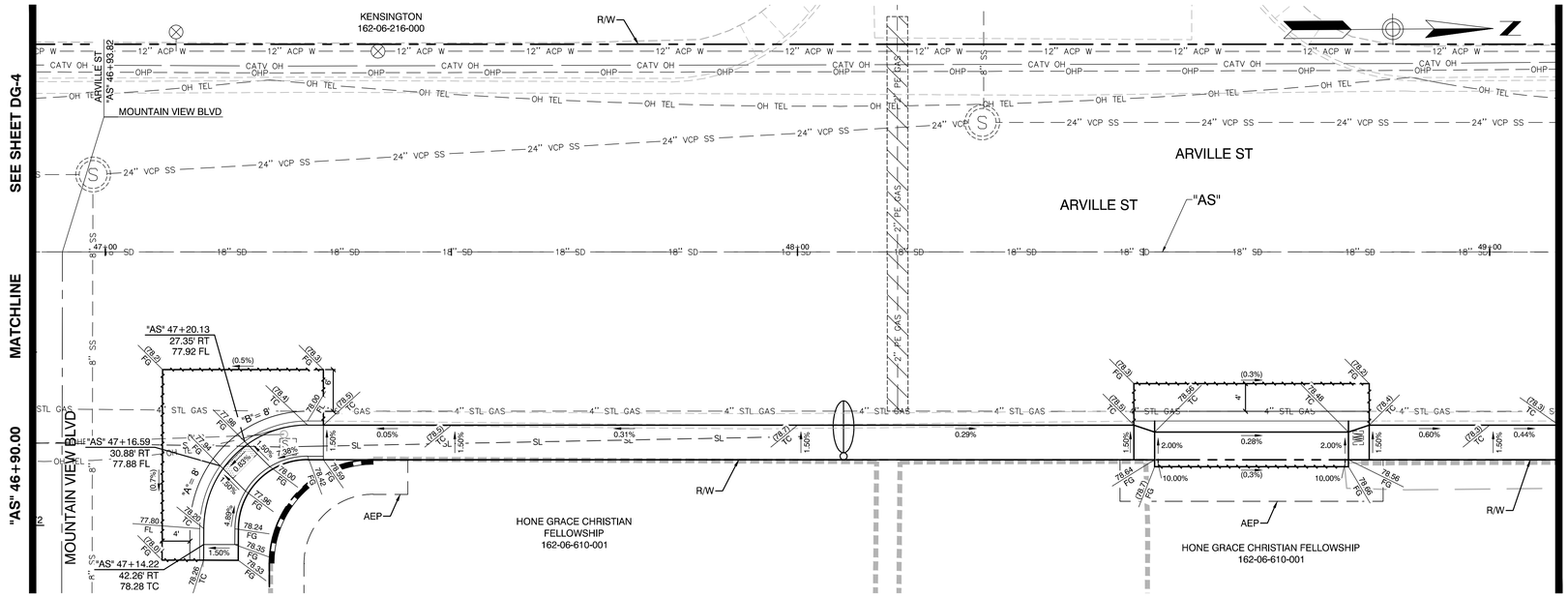


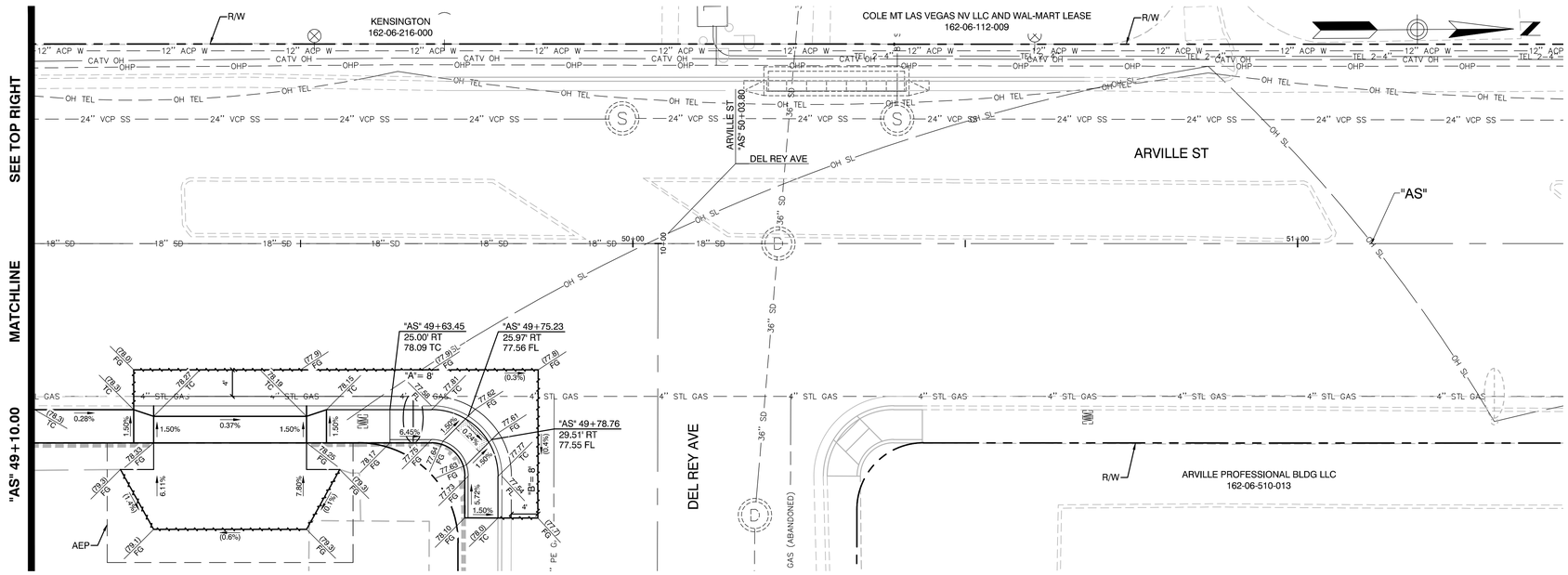
CALL BEFORE CONSTRUCTION ⚠		
BEFORE YOU DIG	USA NORTH	811 OR 800-227-2600
BEFORE YOU UNDERGROUND	F.A.S.T.	702-432-5300
	CLARK COUNTY TRAFFIC OPERATIONS	702-455-7511
	CITY OF LAS VEGAS T.E.F.O.	702-229-6611
BEFORE YOU OVERHEAD	NV ENERGY	702-227-2929



SHEET
DG-4
41 OF 74
DRAWING NO.
107V 5837-4

F:\Projects\40042-68\DWG\Production\07-A1_DG01 DG17.dwg, 5/15/2017 1:04:51 AM, jgarman





GRADING AND DRAINAGE NOTES

1. INSTALL JENSEN PRECAST 24"X36" CURB INLET WITH CAST IRON FRAME, NEENAH GRATE R-3295 AND CURB HOOD (MODEL #DI2436) OR APPROVED EQUAL (USDCCA STD. DWG. NO. 421)
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LATERAL RUN PROFILE INDEX	
LATERAL RUN NO	SEE SHEET
1 THRU 4	DG-17

GRAPHIC SCALE
10 0 5 10 20
(IN FEET)

CALL BEFORE CONSTRUCTION

BEFORE YOU DIG	USA NORTH	811 OR 800-227-2600
BEFORE YOU UNDERGROUND	F.A.S.T.	702-432-5300
	CLARK COUNTY TRAFFIC OPERATIONS	702-455-7511
	CITY OF LAS VEGAS T.E.F.O.	702-229-6611
BEFORE YOU OVERHEAD	NV ENERGY	702-227-2929

NO.	DATE	REVISIONS

PREPARED BY
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PREPARED FOR
CITY OF LAS VEGAS

BID# 17-50168
H# 50168
DESIGNED BY: JFG
DRAWN BY: MVD
CHECKED BY: TAM
DATE: 4/25/17
SUBMITTAL STAGE: FINAL

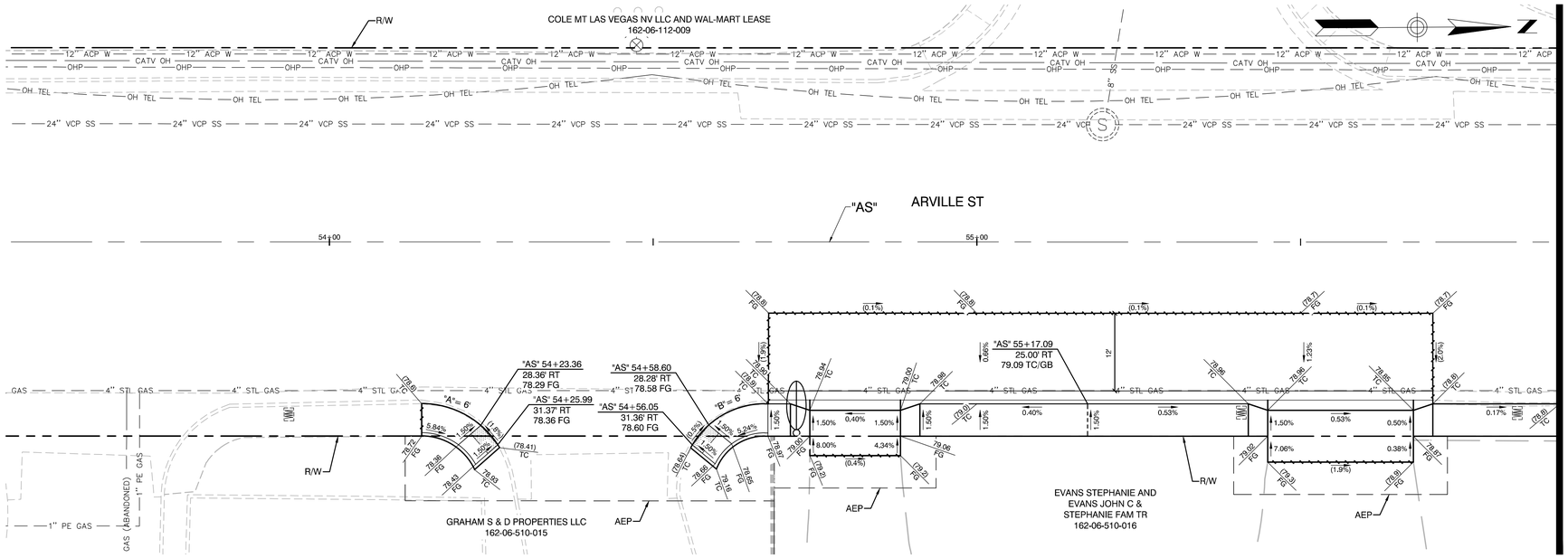
TITLE
SIDEWALK INFILL - ARVILLE STREET, VISTA DRIVE AND HINSON STREET

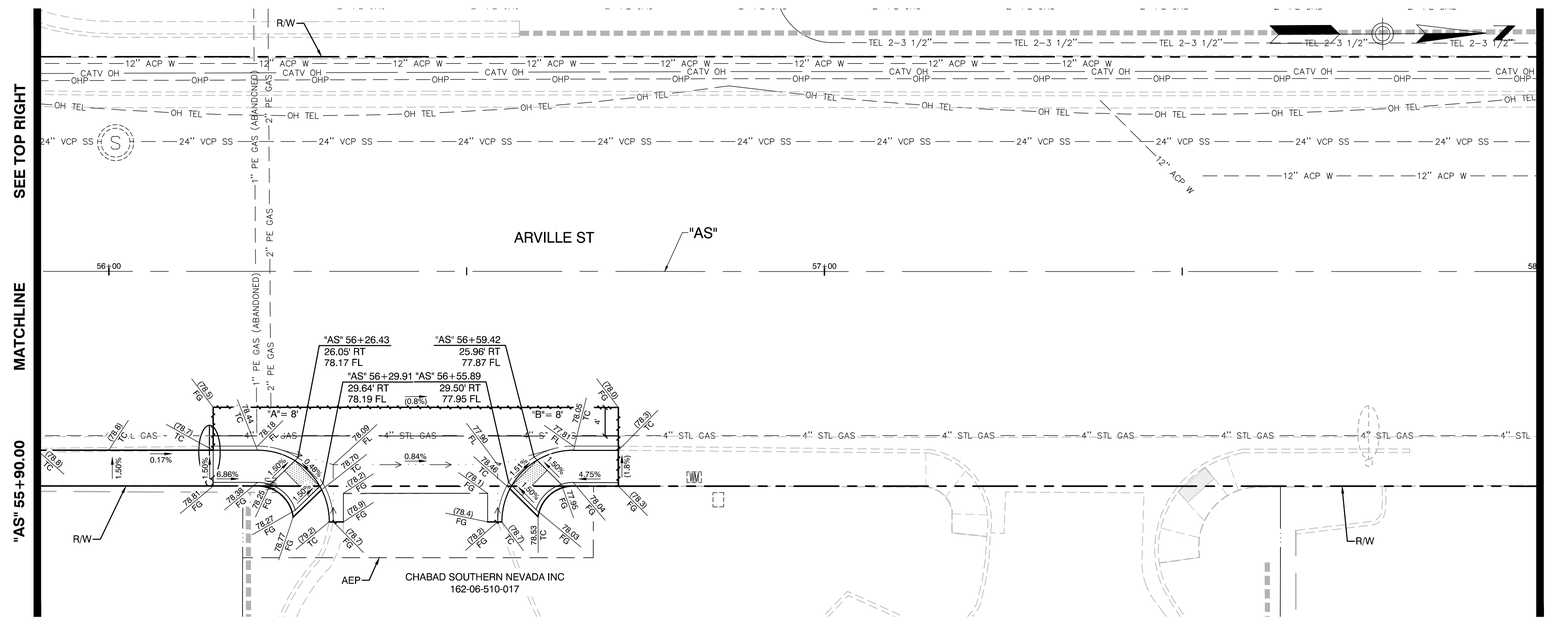
SHEET
DETAIL GRADING PLAN
"AS" 46+90 TO "AS" 51+40

PROFESSIONAL ENGINEER - STATE OF NEVADA
TIMOTHY A. McCOY
Exp. 12/31/2017
CIVIL
No. 11511
4/25/17

SHEET
DG-5
42 OF 74
DRAWING NO.
107V 5837-4

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GRADING AND DRAINAGE NOTES

1. INSTALL JENSEN PRECAST 24"X36" CURB INLET WITH CAST IRON FRAME, NEENAH GRATE R-3295 AND CURB HOOD (MODEL #DI2436) OR APPROVED EQUAL (USDCCA STD. DWG. NO. 421)
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LATERAL RUN PROFILE INDEX	
LATERAL RUN NO	SEE SHEET
1 THRU 4	DG-17

GRAPHIC SCALE
10 0 5 10 20
(IN FEET)

CALL BEFORE CONSTRUCTION

BEFORE YOU DIG	USA NORTH	811 OR 800-227-2600
BEFORE YOU UNDERGROUND	F.A.S.T.	702-432-5300
	CLARK COUNTY TRAFFIC OPERATIONS	702-455-7511
	CITY OF LAS VEGAS T.E.F.O.	702-229-6611
BEFORE YOU OVERHEAD	NV ENERGY	702-227-2929

NO.	DATE	REVISIONS

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PREPARED FOR
CITY OF LAS VEGAS

BID# 17-50168
DESIGNED BY: JFG
DRAWN BY: MVD
CHECKED BY: TAM

H# 50168
DATE: 4/25/17
SUBMITTAL STAGE: FINAL

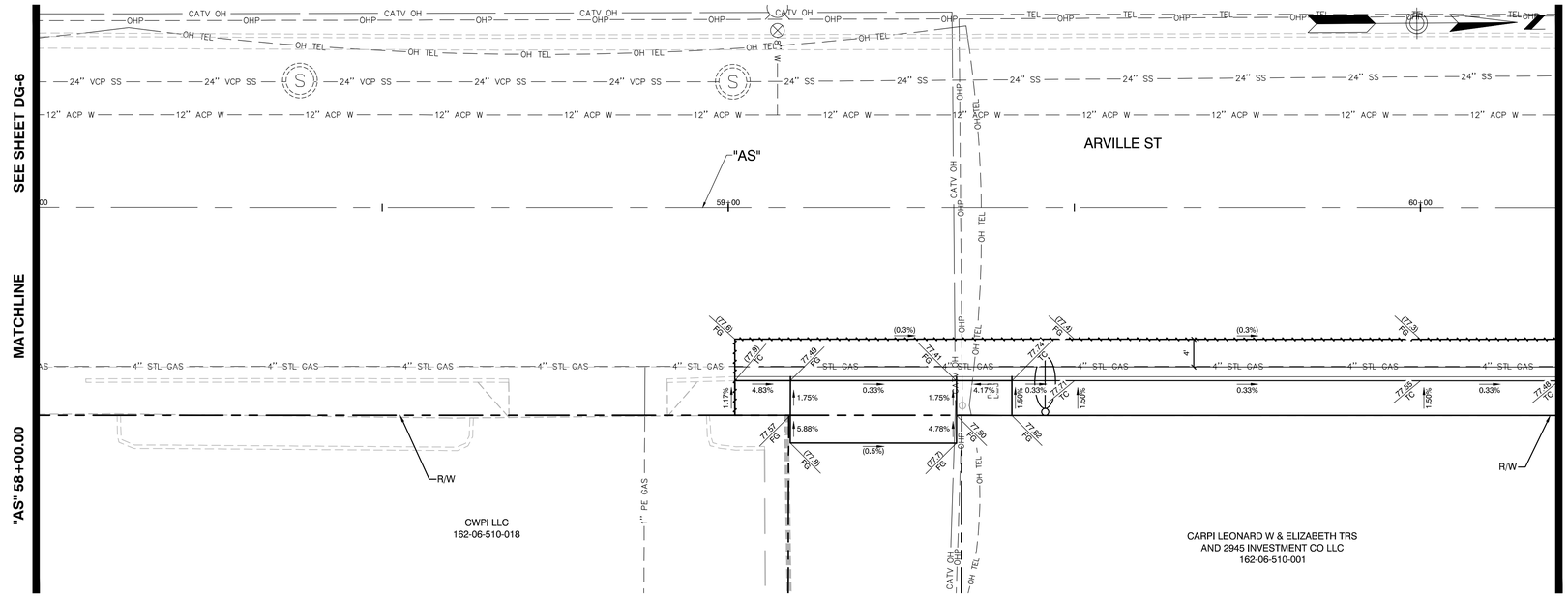
TITLE
SIDEWALK INFILL - ARVILLE STREET, VISTA DRIVE AND HINSON STREET

SHEET
DETAIL GRADING PLAN
"AS" 53+50 TO "AS" 58+00

NEVADA No. 11511 PROFESSIONAL ENGINEER STATE OF NEVADA
TIMOTHY A. McCOY
Exp. 12/31/2017
CIVIL
4/25/17

SHEET
DG-6
43 OF 74
DRAWING NO.
107V 5837-4

F:\Projects\4004\12-658\DWG\Production\07-M1_DG01.DGS17.dwg, 5/15/2017 10:47:19 AM, jgarmin



GRADING AND DRAINAGE NOTES

1. INSTALL JENSEN PRECAST 24"X36" CURB INLET WITH CAST IRON FRAME, NEENAH GRATE R-3295 AND CURB HOOD (MODEL #DI2436) OR APPROVED EQUAL (USDCCA STD. DWG. NO. 421)
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LATERAL RUN PROFILE INDEX	
LATERAL RUN NO	SEE SHEET
1 THRU 4	DG-17

NO.	DATE	REVISIONS

PREPARED BY
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gcwengineering.com

PREPARED FOR
CITY OF LAS VEGAS

BID# 17-50168
H# 50168

DESIGNED BY: JFG
DRAWN BY: MVD
CHECKED BY: TAM

DATE: 4/25/17
SUBMITTAL STAGE: **FINAL**

TITLE
SIDEWALK INFILL - ARVILLE STREET, VISTA DRIVE AND HINSON STREET

SHEET
DETAIL GRADING PLAN "AS" 58+00 TO "AS" 63+04.17

GRAPHIC SCALE
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(IN FEET)

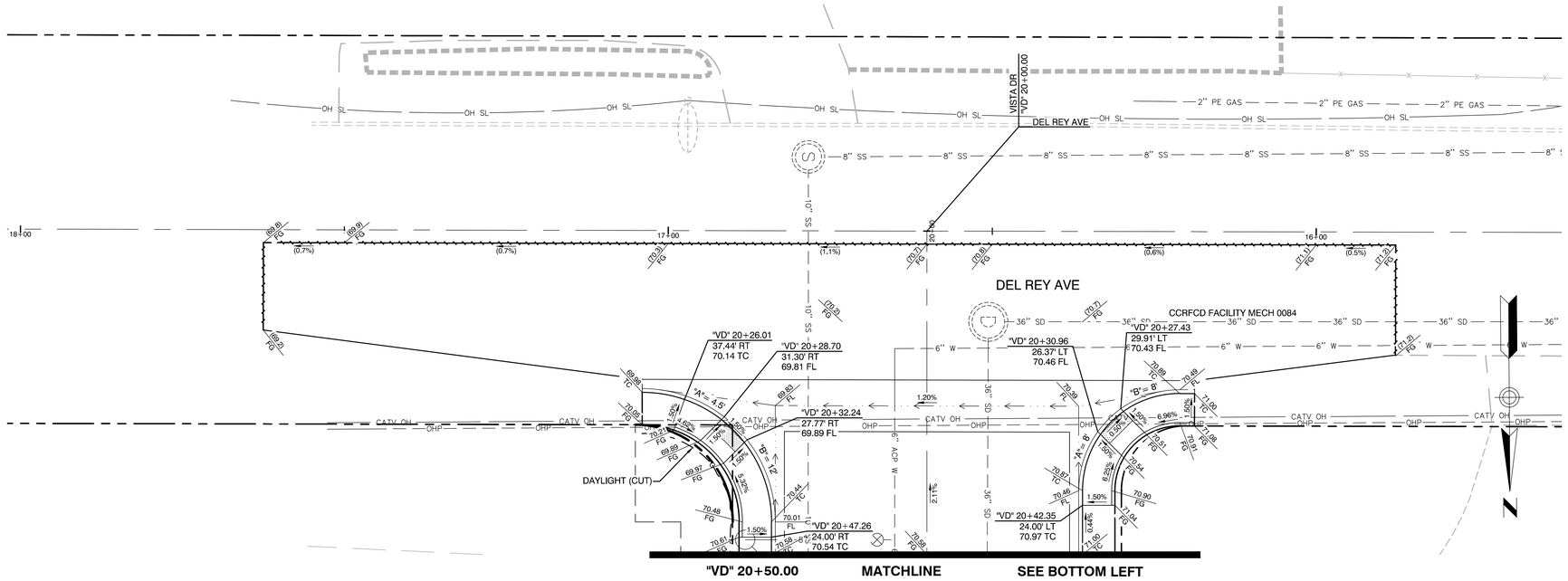
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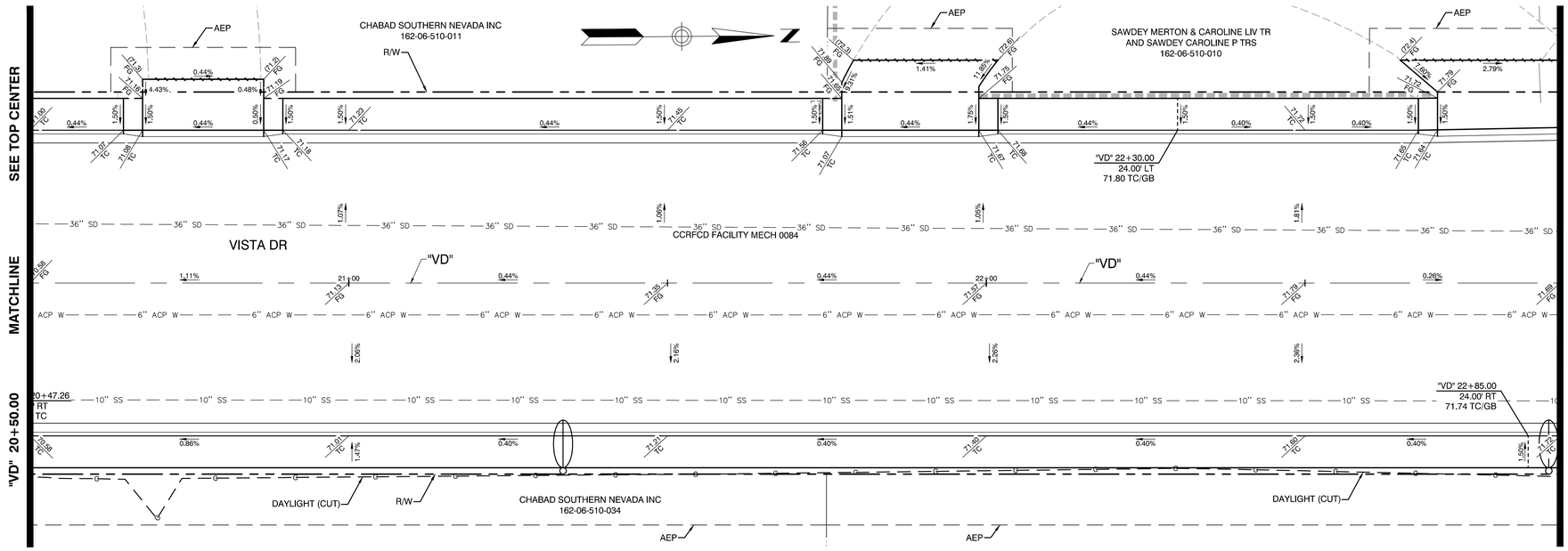
BEFORE YOU DIG	USA NORTH	811 OR 800-227-2600
BEFORE YOU UNDERGROUND	F.A.S.T.	702-432-5300
	CLARK COUNTY TRAFFIC OPERATIONS	702-455-7511
	CITY OF LAS VEGAS T.E.F.O.	702-229-6611
BEFORE YOU OVERHEAD	NV ENERGY	702-227-2929

TIMOTHY A. McCOY
Exp. 12/31/2017
CIVIL
PROFESSIONAL ENGINEER STATE OF NEVADA
No. 11511
4/25/17

SHEET
DG-7
44 OF 74
DRAWING NO.
107V 5837-4

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GRADING AND DRAINAGE NOTES

1. INSTALL JENSEN PRECAST 24"X36" CURB INLET WITH CAST IRON FRAME, NEENAH GRATE R-3295 AND CURB HOOD (MODEL #DI2436) OR APPROVED EQUAL (USDCCA STD. DWG. NO. 421)
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5. INSTALL 18" RCP STORM DRAIN (CLASS III UNLESS OTHERWISE NOTED)
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LATERAL RUN PROFILE INDEX	
LATERAL RUN NO	SEE SHEET
1 THRU 4	DG-17

NO.	DATE	REVISIONS

PREPARED BY
GCW ENGINEERS \ SURVEYORS
1555 S. RAINBOW BLVD.
LAS VEGAS, NV 89146
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F: 702.804.2299
gcwengineering.com

PREPARED FOR
CITY OF LAS VEGAS

BID# 17-50168
DESIGNED BY: JFG
DRAWN BY: MVD
CHECKED BY: TAM

H# 50168
DATE: 4/25/17
SUBMITTAL STAGE: FINAL

TITLE
SIDEWALK INFILL - ARVILLE STREET, VISTA DRIVE AND HINSON STREET

SHEET
DETAIL GRADING PLAN
"VD" 20+00 TO "VD" 22+90

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TIMOTHY A. McCOY
Exp. 12/31/2017
CIVIL
No. 11511
4/25/17

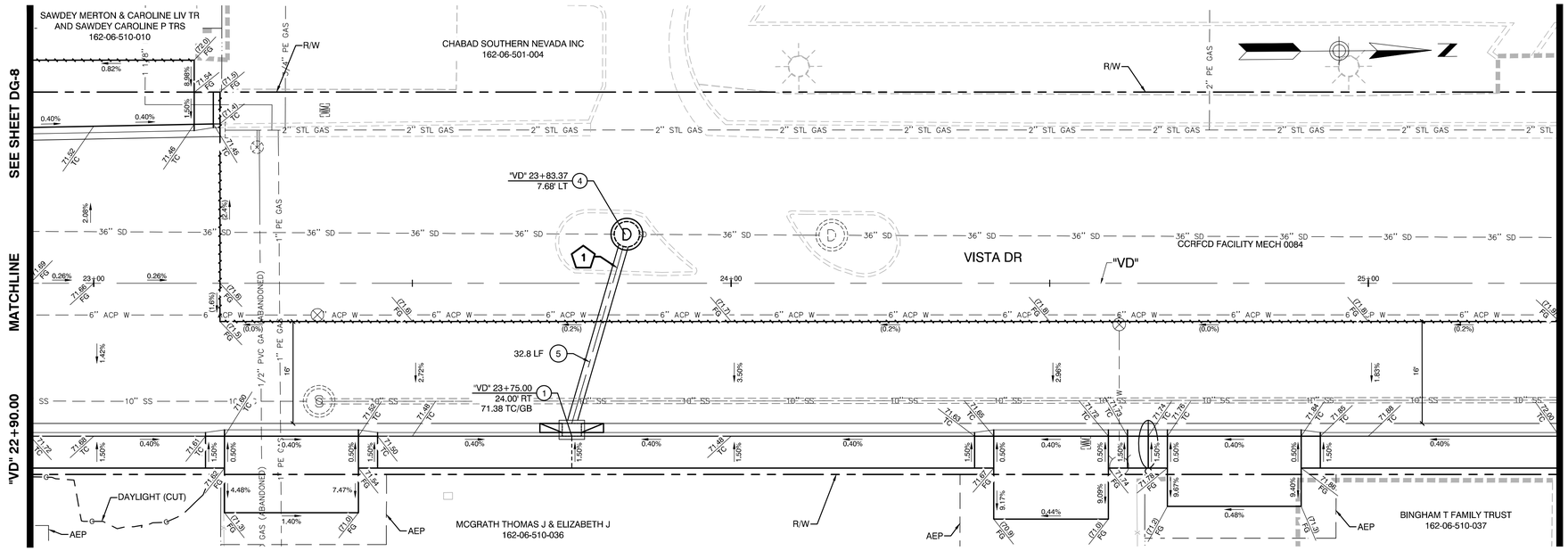
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DRAWING NO.
107V 5837-4

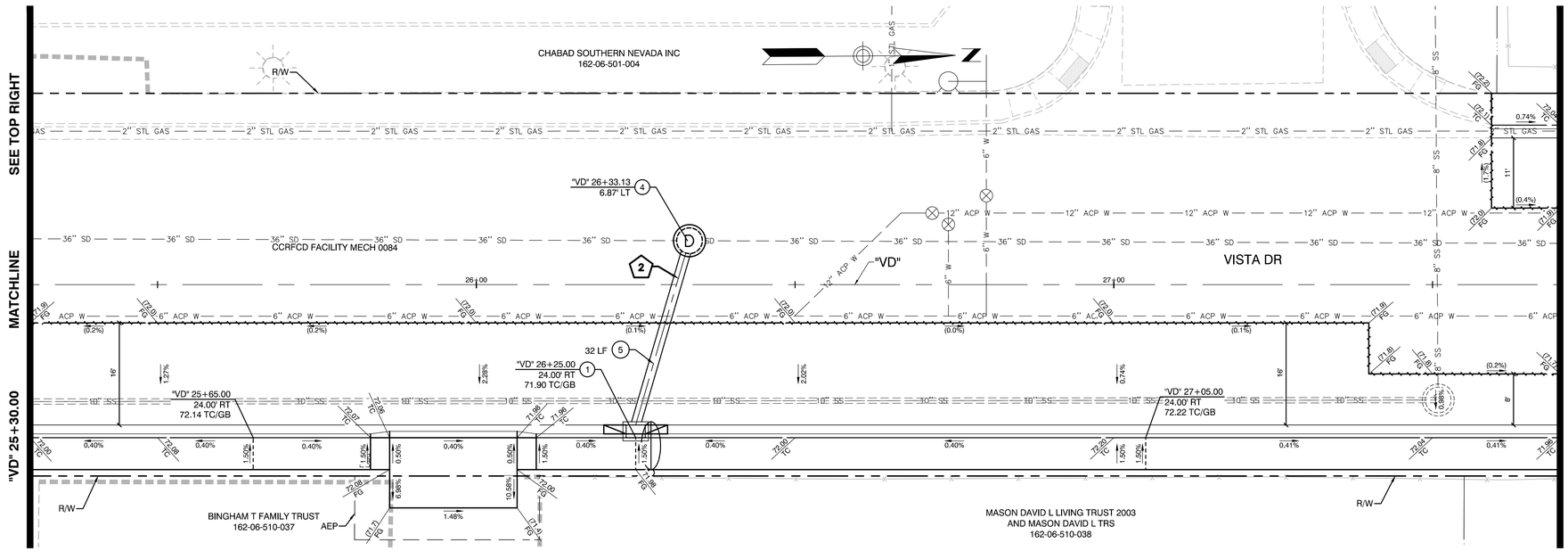
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(IN FEET)

CALL BEFORE CONSTRUCTION

BEFORE YOU DIG	USA NORTH	811 OR 800-227-2600
BEFORE YOU UNDERGROUND	F.A.S.T.	702-432-5300
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	CITY OF LAS VEGAS T.E.F.O.	702-229-6611
BEFORE YOU OVERHEAD	NV ENERGY	702-227-2929

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GRADING AND DRAINAGE NOTES

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LATERAL RUN NO	SEE SHEET
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CITY OF LAS VEGAS

BID# 17-50168
H# 50168
DESIGNED BY: JFG
DRAWN BY: MVD
CHECKED BY: TAM
DATE: 4/25/17
SUBMITTAL STAGE: FINAL

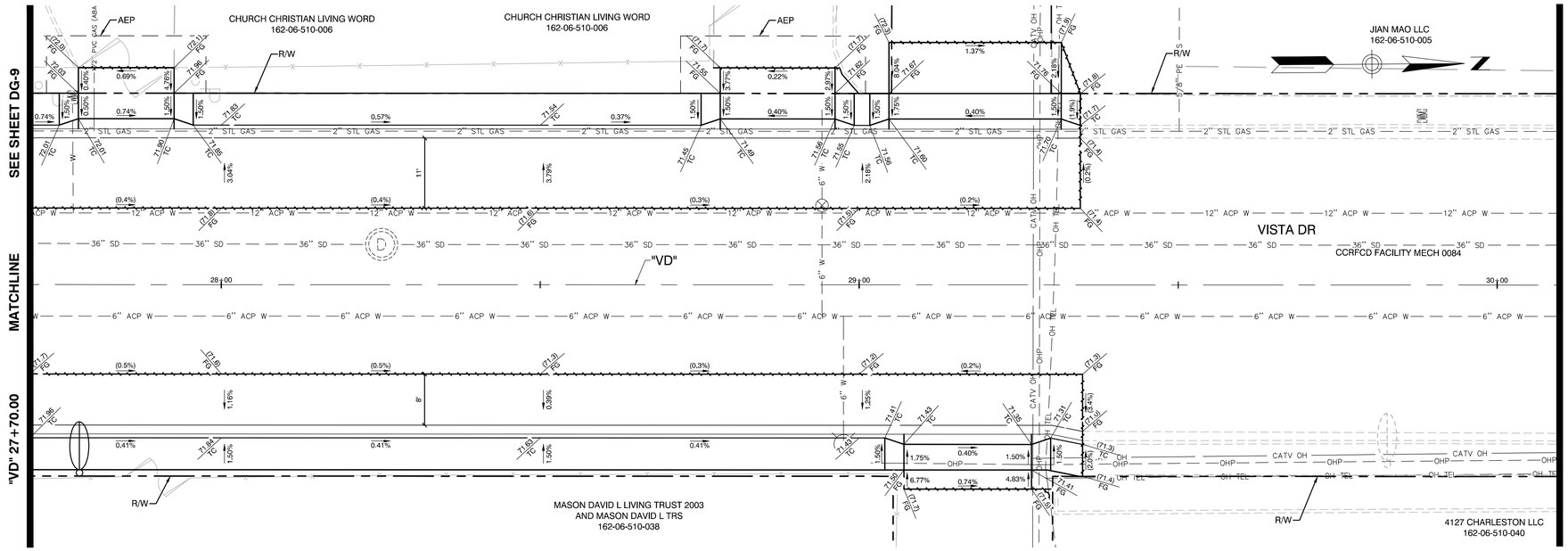
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SIDEWALK INFILL - ARVILLE STREET, VISTA DRIVE AND HINSON STREET

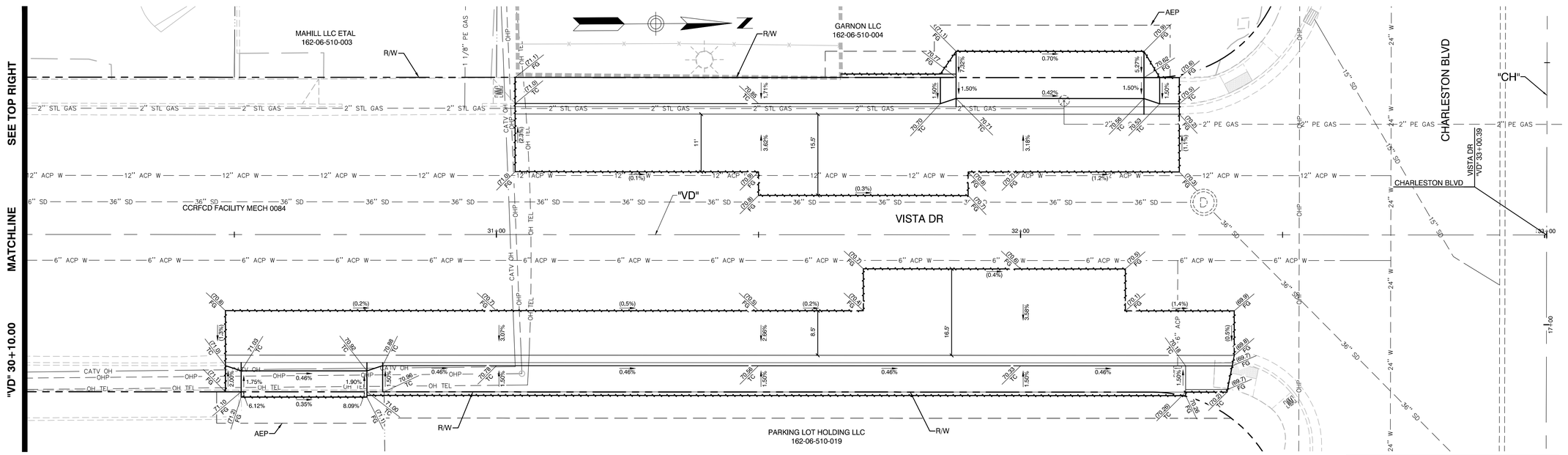
SHEET
DETAIL GRADING PLAN
"VD" 22+90 TO "VD" 27+70

PROFESSIONAL ENGINEER STATE OF NEVADA
TIMOTHY A. McCOY
Exp. 12/31/2017
No. 11511
CIVIL
4/25/17

SHEET
DG-9
46 OF 74
DRAWING NO.
107V 5837-4

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GRADING AND DRAINAGE NOTES

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LATERAL RUN PROFILE INDEX	
LATERAL RUN NO	SEE SHEET
1 THRU 4	DG-17

NO.	DATE	REVISIONS

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gcwengineering.com

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CITY OF LAS VEGAS

BID# 17.50168
H# 50168

DESIGNED BY: JFG
DRAWN BY: MVD
CHECKED BY: TAM

DATE: 4/25/17
SUBMITTAL STAGE: FINAL

TITLE
SIDEWALK INFILL - ARVILLE STREET, VISTA DRIVE AND HINSON STREET

SHEET
DETAIL GRADING PLAN
"VD" 27+70 TO "VD" 33+00.39

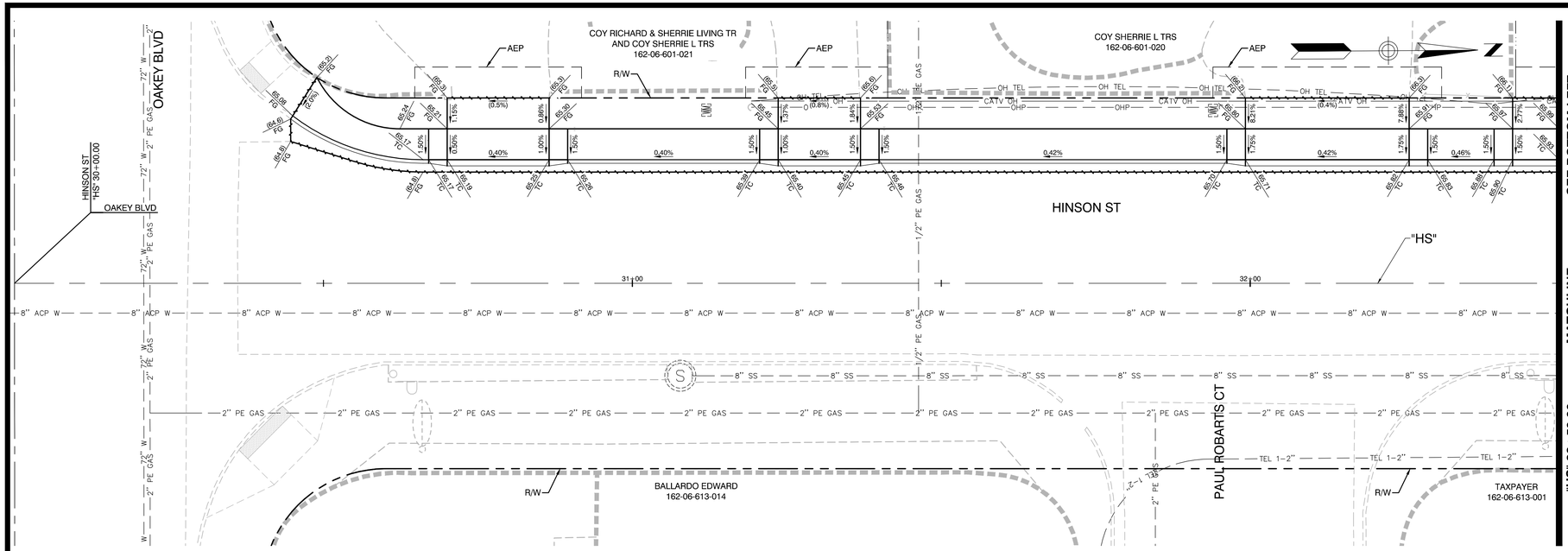
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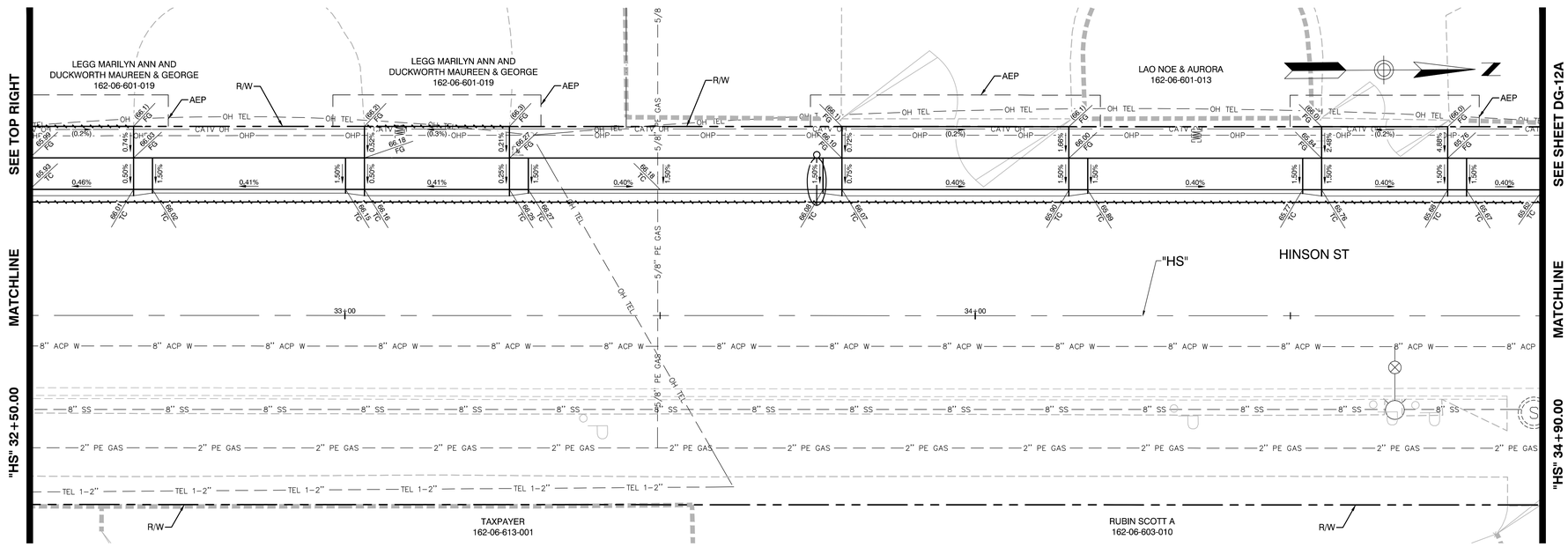
CALL BEFORE CONSTRUCTION		
BEFORE YOU DIG	USA NORTH	811 OR 800-227-2600
BEFORE YOU UNDERGROUND	F.A.S.T.	702-432-5300
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PROFESSIONAL ENGINEER STATE OF NEVADA
TIMOTHY A. McCOY
Exp. 12/31/2017
CIVIL
No. 11511
4/25/17

SHEET
DG-10
47 OF 74
DRAWING NO.
107V 5837-4

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LATERAL RUN PROFILE INDEX	
LATERAL RUN NO	SEE SHEET
1 THRU 4	DG-17

SNWA CONSTRUCTION NOTES:

1. CONTRACTOR SHALL FIELD LOCATE AND PROTECT ALL SNWA/SNWS APPURTENANCES INCLUDING BUT NOT LIMITED TO : AV/ARS, ACCESS MANWAYS AND CATHODIC PROTECTION SYSTEMS. ALL ABOVE GROUND STRUCTURES AND GRADE STRUCTURES MUST BE ADJUSTED TO NEW GRADE AT CONTRACTOR'S EXPENSE. CATHODIC PROTECTION TEST STATIONS, RECTIFIERS AND AV/ARS MUST BE RELOCATED TO THE SIDEWALK PER SNWA STANDARD AND AT THE CONTRACTORS EXPENSE. CONTRACTOR TO NOTIFY SOUTHERN NEVADA WATER AUTHORITY, DEVELOPMENT PLAN REVIEW, AT (702)258-3165 AT LEAST 40 HOURS PRIOR TO CONSTRUCTION ACTIVITY.
2. SNWA COPPER CABLE RUNS ALONG SIDE THE LVVWD 72" WATER LINE AT UNKNOWN DEPTH AND LOCATION. USE CAUTION WHEN EXCAVATING OVER THE 72" LVVWD LINE.

APPROVED FOR CONSTRUCTION
SIGNED BY MIKE DISHARI ON 4/19/17 (SEE ORIGINAL MYLAR)
SOUTHERN NEVADA WATER AUTHORITY
DATE: DPR# 2015-0122
SNWA APPROVAL IS VALID 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.

CALL BEFORE CONSTRUCTION		
BEFORE YOU DIG	USA NORTH	811 OR 800-227-2600
BEFORE YOU UNDERGROUND	F.A.S.T.	702-432-5300
	CLARK COUNTY TRAFFIC OPERATIONS	702-455-7511
	CITY OF LAS VEGAS T.E.F.O.	702-229-6611
BEFORE YOU OVERHEAD	NV ENERGY	702-227-2929

GRAPHIC SCALE
10 0 5 10 20
(IN FEET)

NO.	DATE	REVISIONS

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LAS VEGAS, NV 89146
T: 702.804.2000
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gcwengineering.com

PREPARED FOR
CITY OF LAS VEGAS

BID# 17.50168
DESIGNED BY: JFG
DRAWN BY: MVD
CHECKED BY: TAM
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DATE: 4/25/17
SUBMITTAL STAGE: FINAL

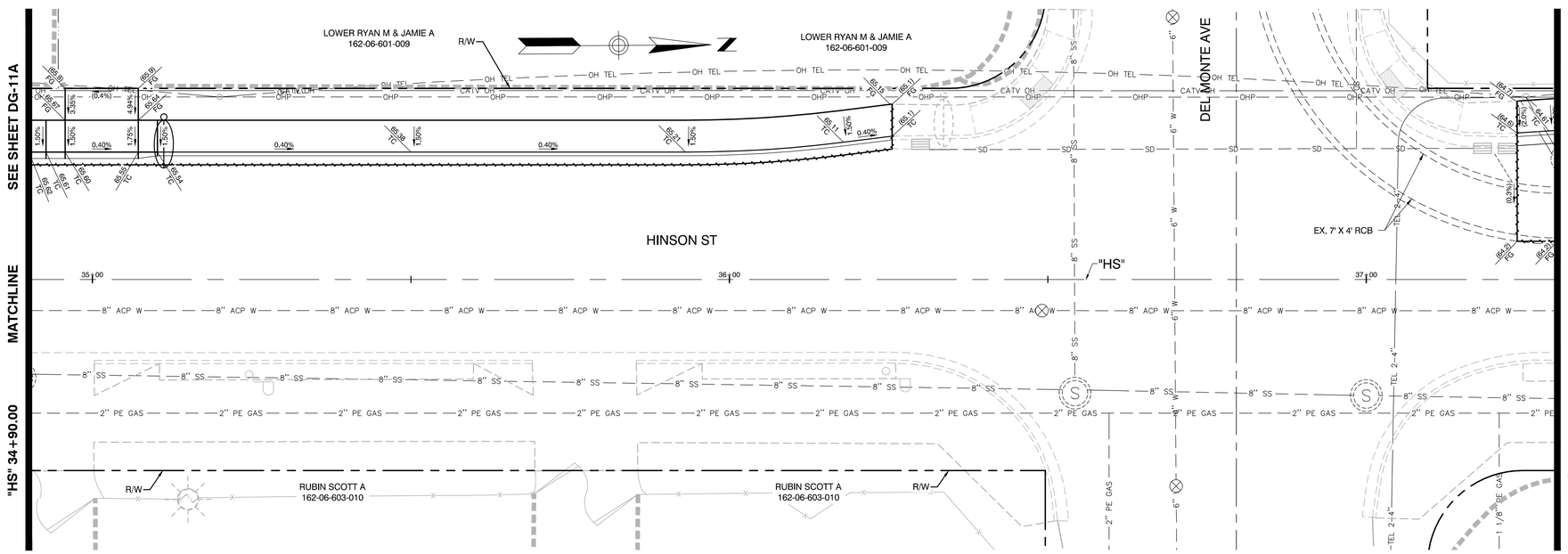
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SIDEWALK INFILL - ARVILLE STREET, VISTA DRIVE AND HINSON STREET

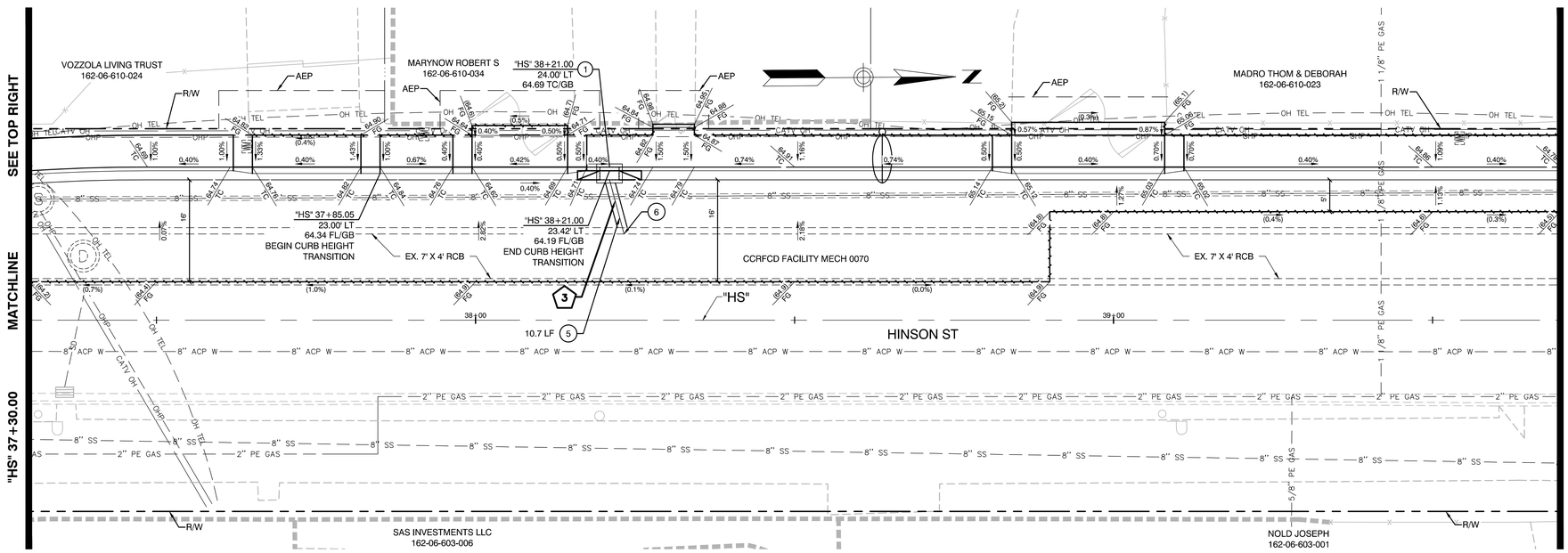
SHEET
DETAIL GRADING PLAN
"HS" 30+00 TO "HS" 34+90 (ADD/ALT)

PROFESSIONAL ENGINEER STATE OF NEVADA
TIMOTHY A. McCOY
Exp. 12/31/2017
No. 11511
CIVIL
4/25/17

SHEET
DG-11A
48 OF 74
DRAWING NO.
107V 5837-4

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GRADING AND DRAINAGE NOTES

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LATERAL RUN NO	SEE SHEET
1 THRU 4	DG-17

GRAPHIC SCALE
10 0 5 10 20
(IN FEET)

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BEFORE YOU UNDERGROUND	F.A.S.T.	702-432-5300
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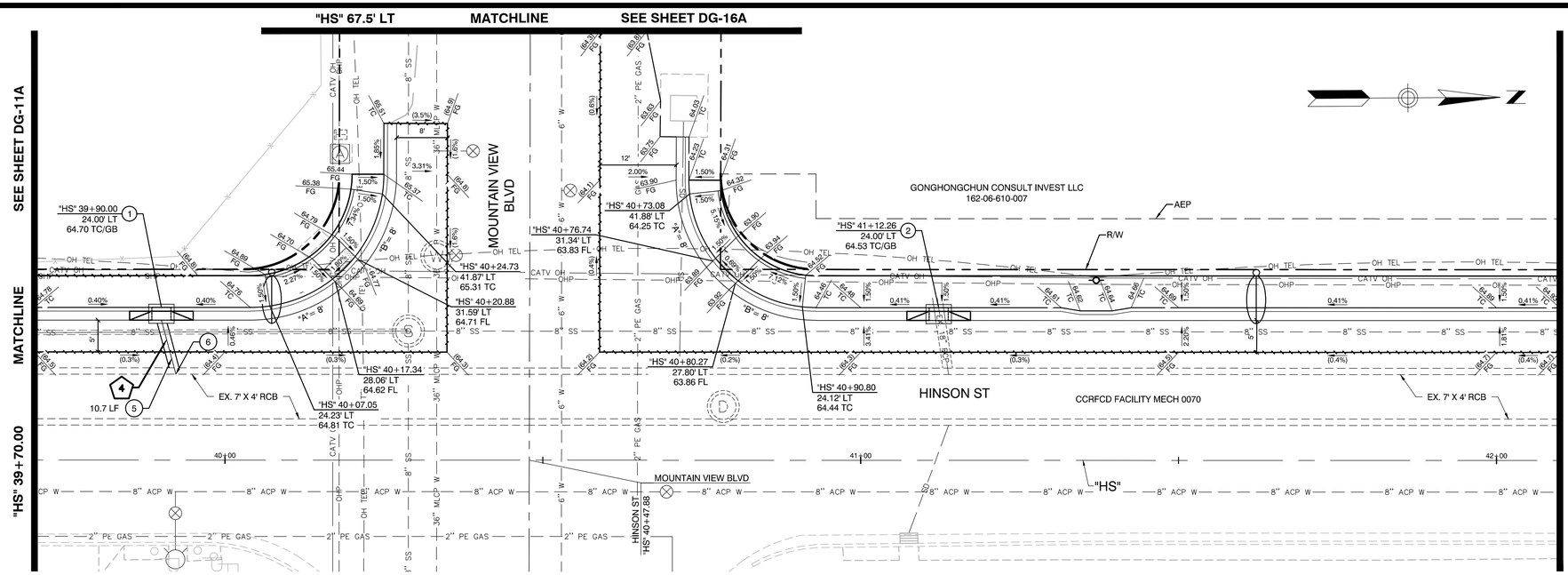
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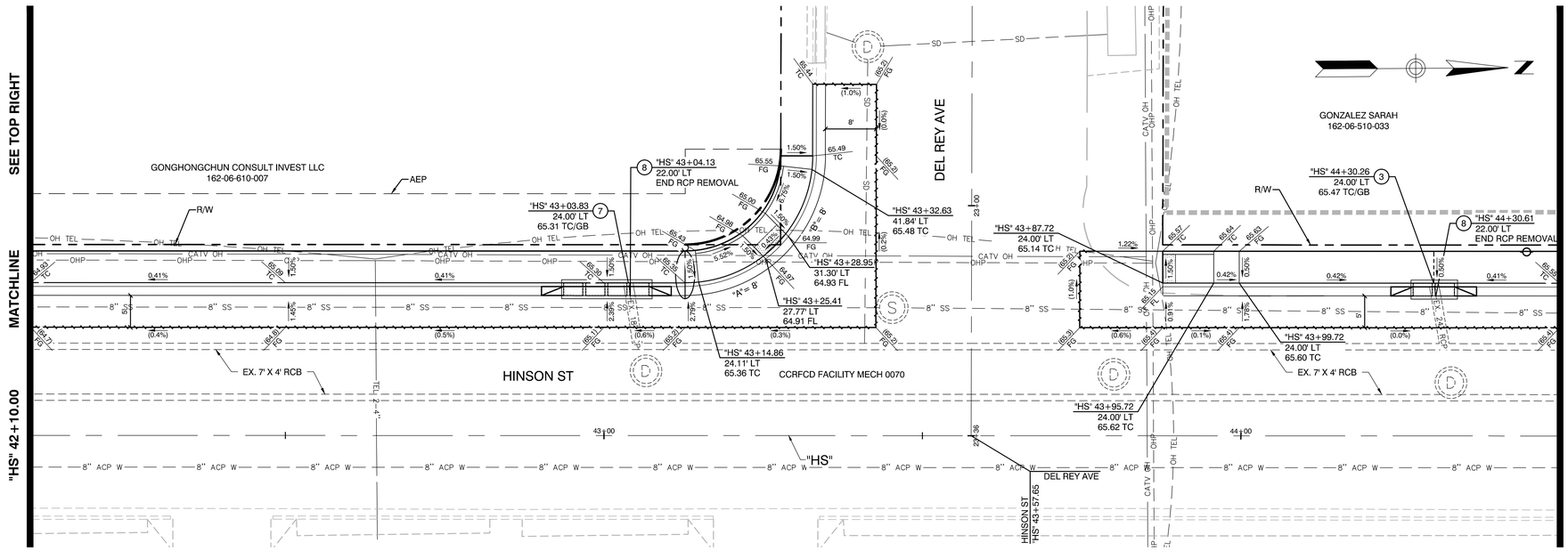
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SHEET
DG-12A
49 OF 74
DRAWING NO.
107V 5837-4

F:\Projects\40042-68\DWG\Production\07-A1_DG01 (DG17.dwg, 5/15/2017 10:48:46 AM, jgarman





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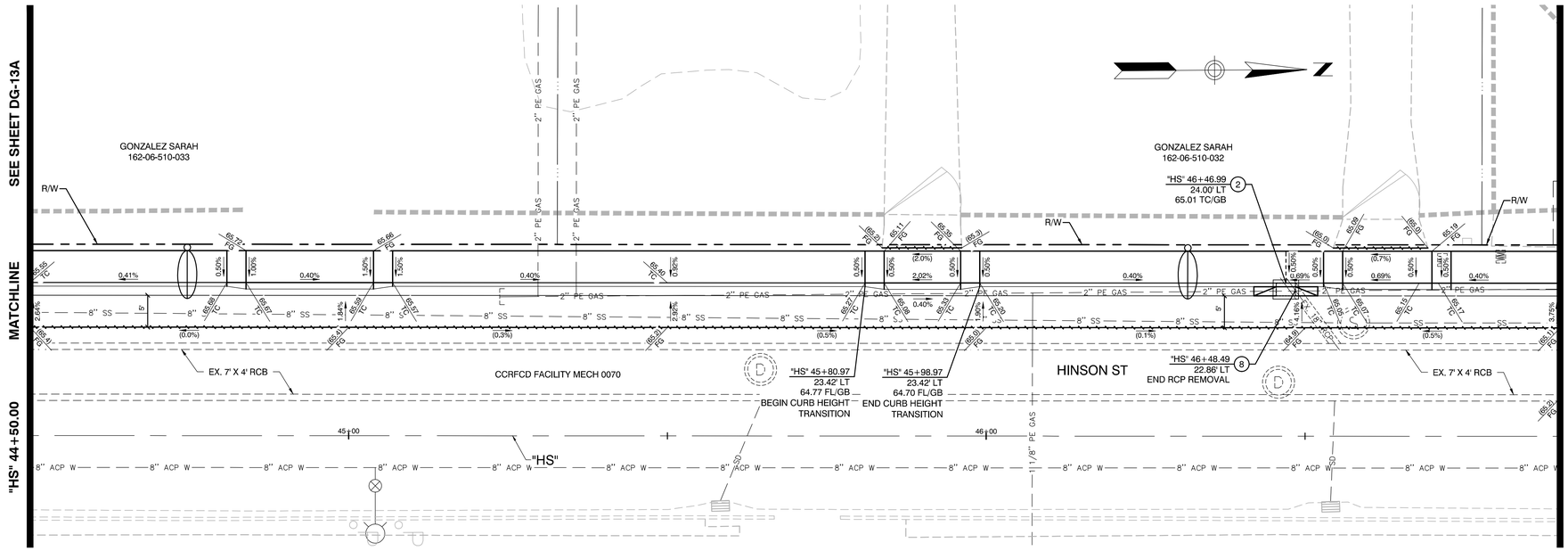
TITLE
SIDEWALK INFILL - ARVILLE STREET, VISTA DRIVE AND HINSON STREET

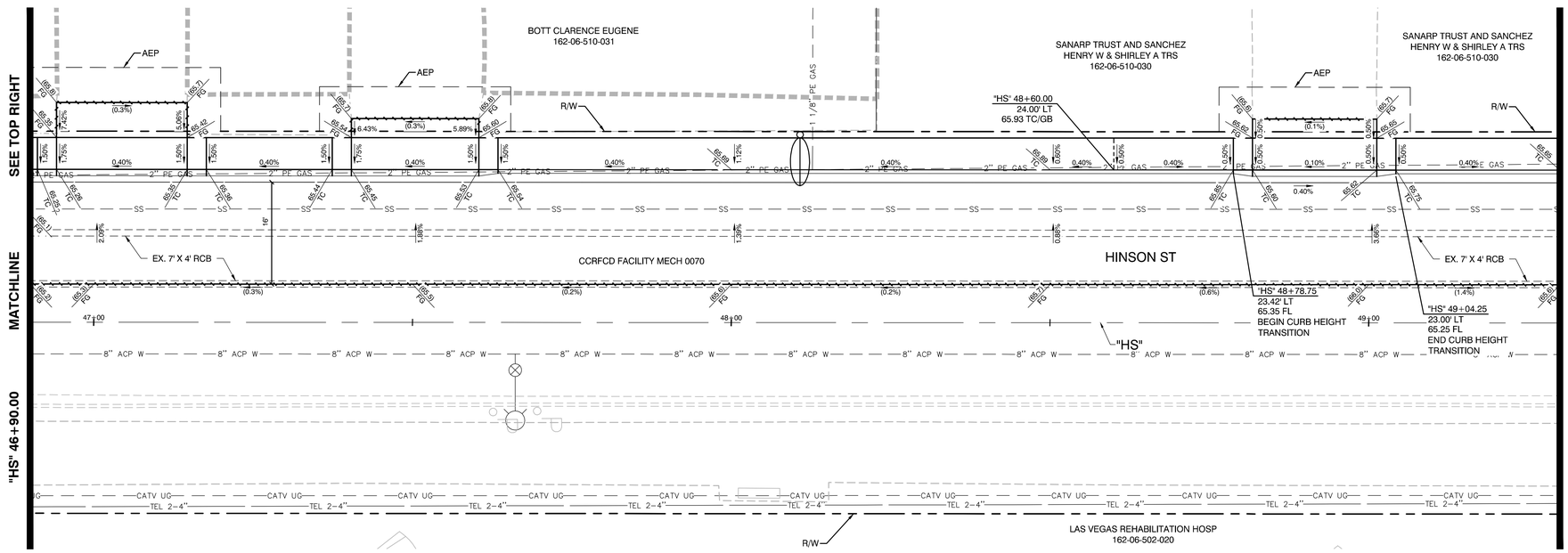
SHEET
DETAIL GRADING PLAN
"HS" 39+70 TO "HS" 44+50 (ADD/ALT)

PROFESSIONAL ENGINEER STATE OF NEVADA
TIMOTHY A. McCOY
Exp. 12/31/2017
CIVIL
No. 11511
4/25/17

SHEET
DG-13A
50 OF 74
DRAWING NO.
107V 5837-4

F:\Projects\40\412.68\DWG\Production\07-M1_DG01.DGS17.dwg, 5/15/2017 10:48:09 AM, jgarman





GRADING AND DRAINAGE NOTES

1. INSTALL JENSEN PRECAST 24"X36" CURB INLET WITH CAST IRON FRAME, NEENAH GRATE R-3295 AND CURB HOOD (MODEL #DI2436) OR APPROVED EQUAL (USDCCA STD. DWG. NO. 421)
2. INSTALL JENSEN PRECAST 24"X36" CURB INLET WITH CAST IRON FRAME, NEENAH GRATE R-3295 AND CURB HOOD (MODEL #DI2436) OR APPROVED EQUAL AND CONNECT TO EXISTING RCP STORM DRAIN PIPE (USDCCA STD. DWG. NO. 421)
3. INSTALL JENSEN PRECAST HIGH CAPACITY CURB INLET WITH DOUBLE CAST IRON FRAME, NEENAH GRATES R-3295 AND CURB HOOD (MODEL #DI2436-X2) OR APPROVED EQUAL AND CONNECT TO EXISTING RCP STORM DRAIN PIPE (USDCCA STD. DWG. NO. 421)
4. CONSTRUCT TYPE II STORM DRAIN MANHOLE (USDCCA STD. DWG. NO. 405.2)
5. INSTALL 18" RCP STORM DRAIN (CLASS III UNLESS OTHERWISE NOTED)
6. CONNECT TO EXISTING RCB
7. INSTALL JENSEN PRECAST HIGH CAPACITY CURB INLET WITH QUADRUPLE CAST IRON FRAME, NEENAH GRATES R-3295 AND CURB HOOD (MODEL #DI2436-X4) OR APPROVED EQUAL AND CONNECT TO EXISTING RCP STORM DRAIN PIPE (USDCCA STD. DWG. NO. 421)
8. REMOVE EXISTING RCP STORM DRAIN (30" OR SMALLER)

LATERAL RUN PROFILE INDEX	
LATERAL RUN NO	SEE SHEET
1 THRU 4	DG-17

NO.	DATE	REVISIONS

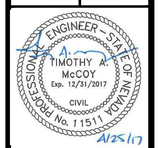
PREPARED BY
GCW ENGINEERS \ SURVEYORS
1555 S. RAINBOW BLVD.
LAS VEGAS, NV 89146
T: 702.804.2000
F: 702.804.2299
gcwengineering.com

PREPARED FOR
CITY OF LAS VEGAS

BID# 17-50168
H# 50168
DESIGNED BY: JFG
DRAWN BY: MVD
CHECKED BY: TAM
DATE: 4/25/17
SUBMITTAL STAGE: FINAL

TITLE
SIDEWALK INFILL - ARVILLE STREET, VISTA DRIVE AND HINSON STREET

SHEET
DETAIL GRADING PLAN "HS" 44+50 TO "HS" 49+30 (ADD/ALT)



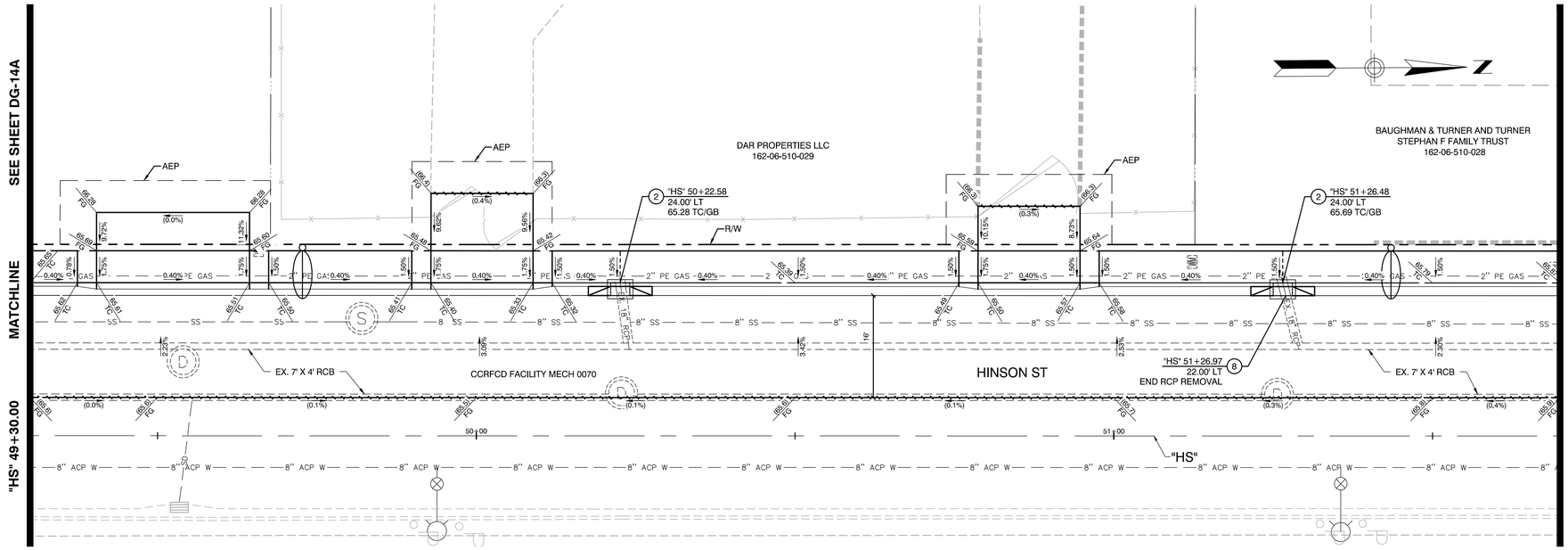
SHEET
DG-14A
51 OF 74
DRAWING NO.
107V 5837-4

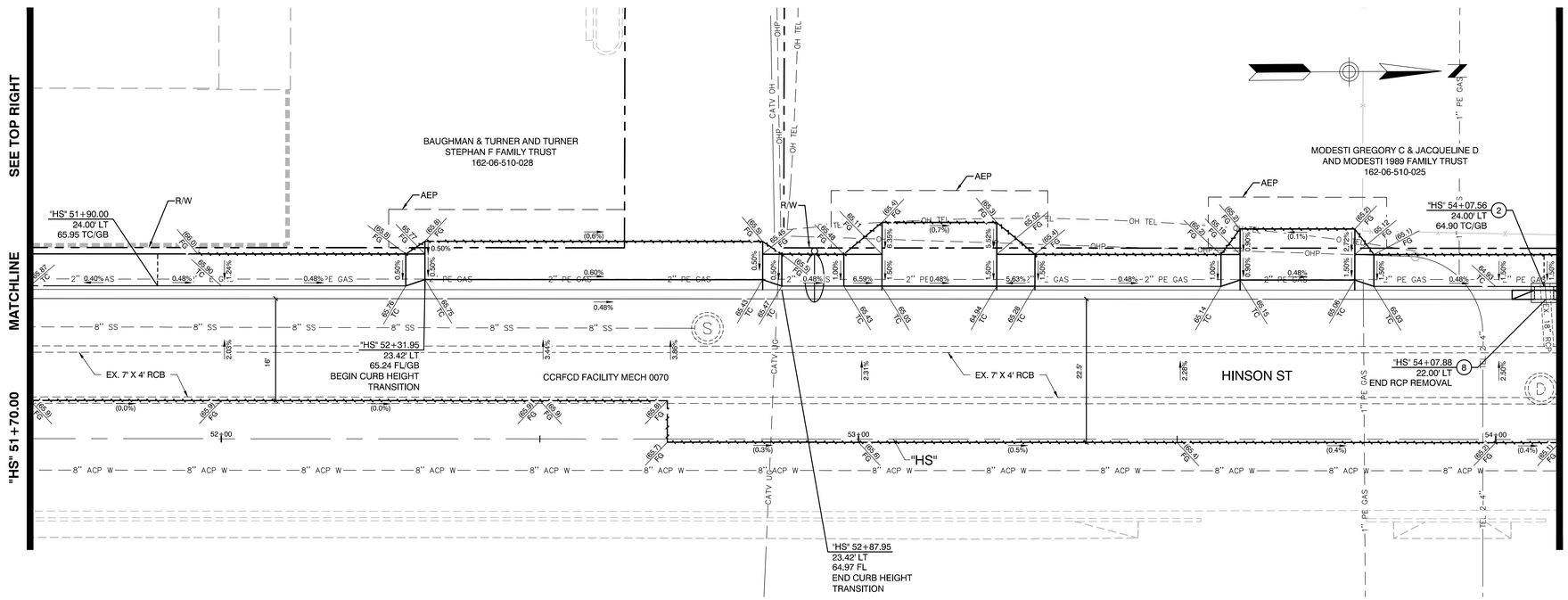
GRAPHIC SCALE
10 0 5 10 20
(IN FEET)

CALL BEFORE CONSTRUCTION

BEFORE YOU DIG	USA NORTH	811 OR 800-227-2600
BEFORE YOU UNDERGROUND	F.A.S.T.	702-432-5300
	CLARK COUNTY TRAFFIC OPERATIONS	702-455-7511
	CITY OF LAS VEGAS T.E.F.O.	702-229-6611
BEFORE YOU OVERHEAD	NV ENERGY	702-227-2929

F:\Projects\40042-68\DWG\Production\07-M1_DG01.DGS17.dwg, 5/15/2017 10:48:14 AM, jgarman





GRADING AND DRAINAGE NOTES

1. INSTALL JENSEN PRECAST 24"X36" CURB INLET WITH CAST IRON FRAME, NEENAH GRATE R-3295 AND CURB HOOD (MODEL #DI2436) OR APPROVED EQUAL (USDCCA STD. DWG. NO. 421)
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8. REMOVE EXISTING RCP STORM DRAIN (30" OR SMALLER)

LATERAL RUN PROFILE INDEX	
LATERAL RUN NO	SEE SHEET
1 THRU 4	DG-17

GRAPHIC SCALE
10 0 5 10 20
(IN FEET)

CALL BEFORE CONSTRUCTION

BEFORE YOU DIG	USA NORTH	811 OR 800-227-2600
BEFORE YOU UNDERGROUND	F.A.S.T.	702-432-5300
	CLARK COUNTY TRAFFIC OPERATIONS	702-455-7511
	CITY OF LAS VEGAS T.E.F.O.	702-229-6611
BEFORE YOU OVERHEAD	NV ENERGY	702-227-2929

NO.	DATE	REVISIONS

PREPARED BY
GCW ENGINEERS \ SURVEYORS
1555 S. RAINBOW BLVD.
LAS VEGAS, NV 89146
T: 702.804.2000
F: 702.804.2299
gcwengineering.com

PREPARED FOR
CITY OF LAS VEGAS

BID# 17-50168
H# 50168
DESIGNED BY: JFG
DRAWN BY: MVD
CHECKED BY: TAM
DATE: 4/25/17
SUBMITTAL STAGE: FINAL

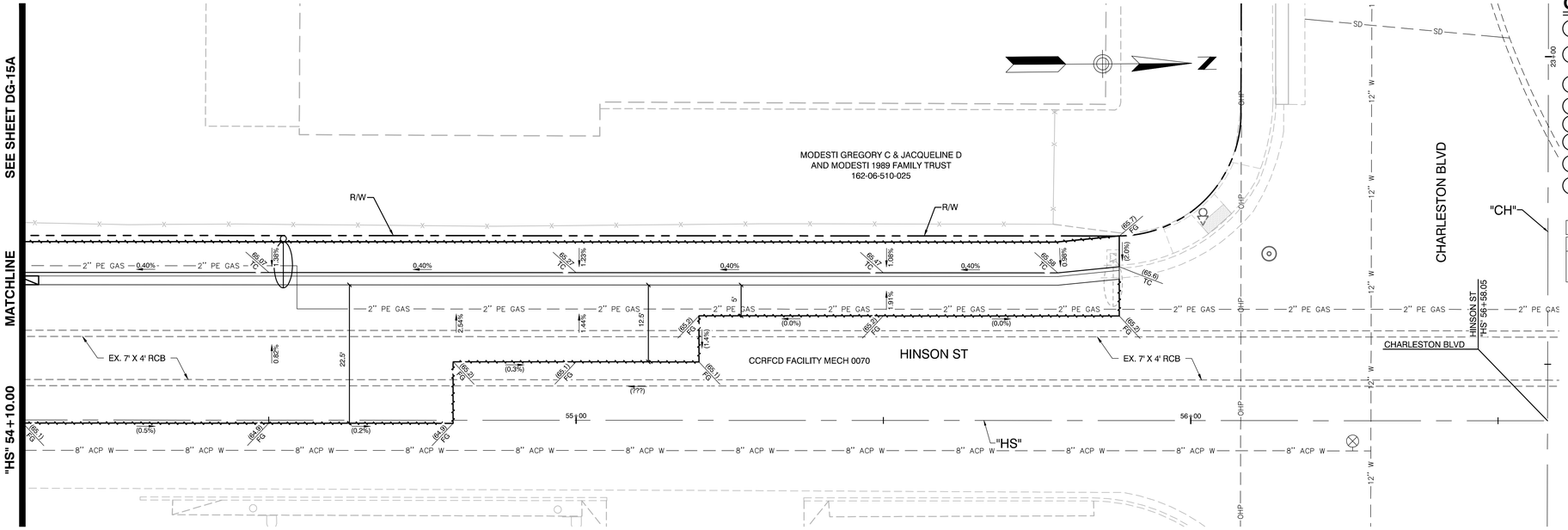
TITLE
SIDEWALK INFILL - ARVILLE STREET, VISTA DRIVE AND HINSON STREET

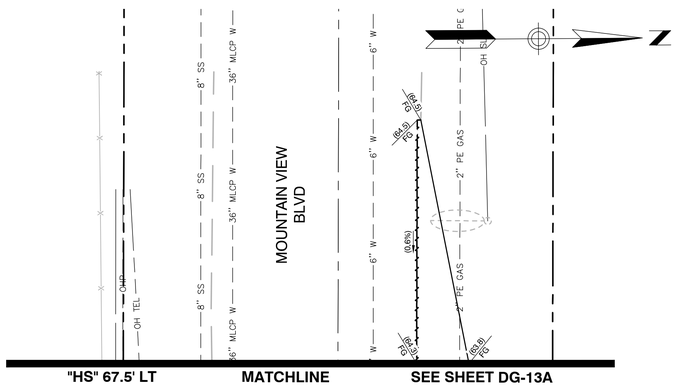
SHEET
DETAIL GRADING PLAN
"HS" 49+30 TO "HS" 54+10 (ADD/ALT)

PROFESSIONAL ENGINEER STATE OF NEVADA
TIMOTHY A. McCOY
Exp. 12/31/2017
No. 11511
CIVIL
4/25/17

SHEET
DG-15A
52 OF 74
DRAWING NO.
107V 5837-4

F:\Projects\40043-68\0WG\Production\07-M1_DG01.DGS17.dwg, 5/15/2017 10:48:29 AM, jgarman





GRADING AND DRAINAGE NOTES

1. INSTALL JENSEN PRECAST 24"X36" CURB INLET WITH CAST IRON FRAME, NEENAH GRATE R-3295 AND CURB HOOD (MODEL #DI2436) OR APPROVED EQUAL (USDCCA STD. DWG. NO. 421)
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8. REMOVE EXISTING RCP STORM DRAIN (30" OR SMALLER)

LATERAL RUN PROFILE INDEX	
LATERAL RUN NO	SEE SHEET
1 THRU 4	DG-17

NO.	DATE	REVISIONS

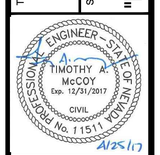
PREPARED BY
GCW ENGINEERS \ SURVEYORS
1555 S. RAINBOW BLVD.
LAS VEGAS, NV 89146
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F: 702.804.2299
gcwengineersmg.com

PREPARED FOR
CITY OF LAS VEGAS

H# 50168 | BID# 17-50168
DATE: 4/25/17 | DESIGNED BY: JFG
SUBMITTAL STAGE: **FINAL** | DRAWN BY: MVD
CHECKED BY: TAM

TITLE
SIDEWALK INFILL - ARVILLE STREET, VISTA DRIVE AND HINSON STREET

SHEET
DETAIL GRADING PLAN "HS" 54+10 TO "HS" 56+58.05 & "MV" (ADD/ALT)

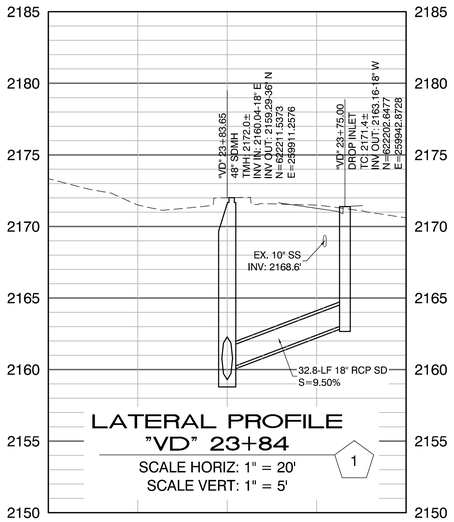


SHEET
DG-16A
53 OF **74**
DRAWING NO.
107V 5837-4

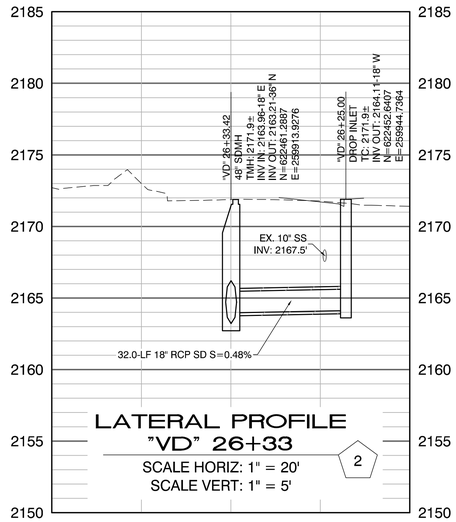
GRAPHIC SCALE
10 0 5 10 20
(IN FEET)

CALL BEFORE CONSTRUCTION ⚠		
BEFORE YOU DIG	USA NORTH	811 OR 800-227-2600
BEFORE YOU UNDERGROUND	F.A.S.T.	702-432-5300
	CLARK COUNTY TRAFFIC OPERATIONS	702-455-7511
	CITY OF LAS VEGAS T.E.F.O.	702-229-6611
BEFORE YOU OVERHEAD	NV ENERGY	702-227-2929

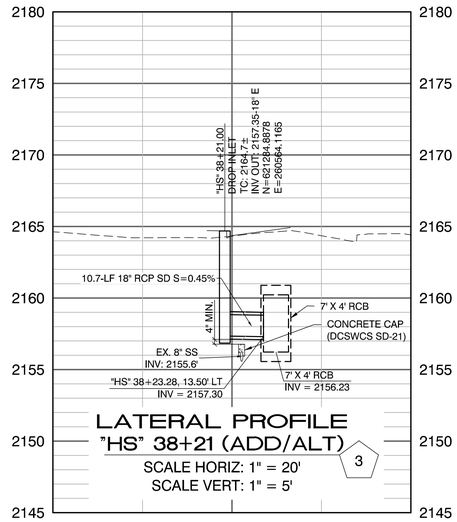
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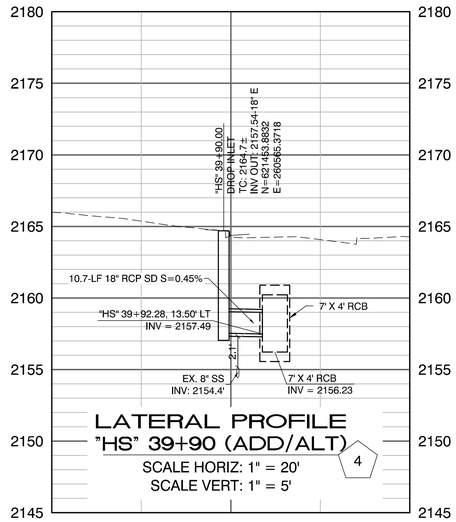
LATERAL PROFILE
"VD" 23+84
SCALE HORIZ: 1" = 20'
SCALE VERT: 1" = 5'
1



LATERAL PROFILE
"VD" 26+33
SCALE HORIZ: 1" = 20'
SCALE VERT: 1" = 5'
2



LATERAL PROFILE
"HS" 38+21 (ADD/ALT)
SCALE HORIZ: 1" = 20'
SCALE VERT: 1" = 5'
3



LATERAL PROFILE
"HS" 39+90 (ADD/ALT)
SCALE HORIZ: 1" = 20'
SCALE VERT: 1" = 5'
4

NO.	DATE	REVISIONS

PREPARED BY
GCW
ENGINEERS \ SURVEYORS
1555 S. RAINBOW BLVD.
LAS VEGAS, NV 89146
T: 702.804.2000
F: 702.804.2339
gcwengineering.com

PREPARED FOR
CITY OF LAS VEGAS

H# 50168	BID# 17-50168
DATE: 4/25/17	DESIGNED BY: JFG
SUBMITTAL STAGE: FINAL	DRAWN BY: MVD
	CHECKED BY: TAM

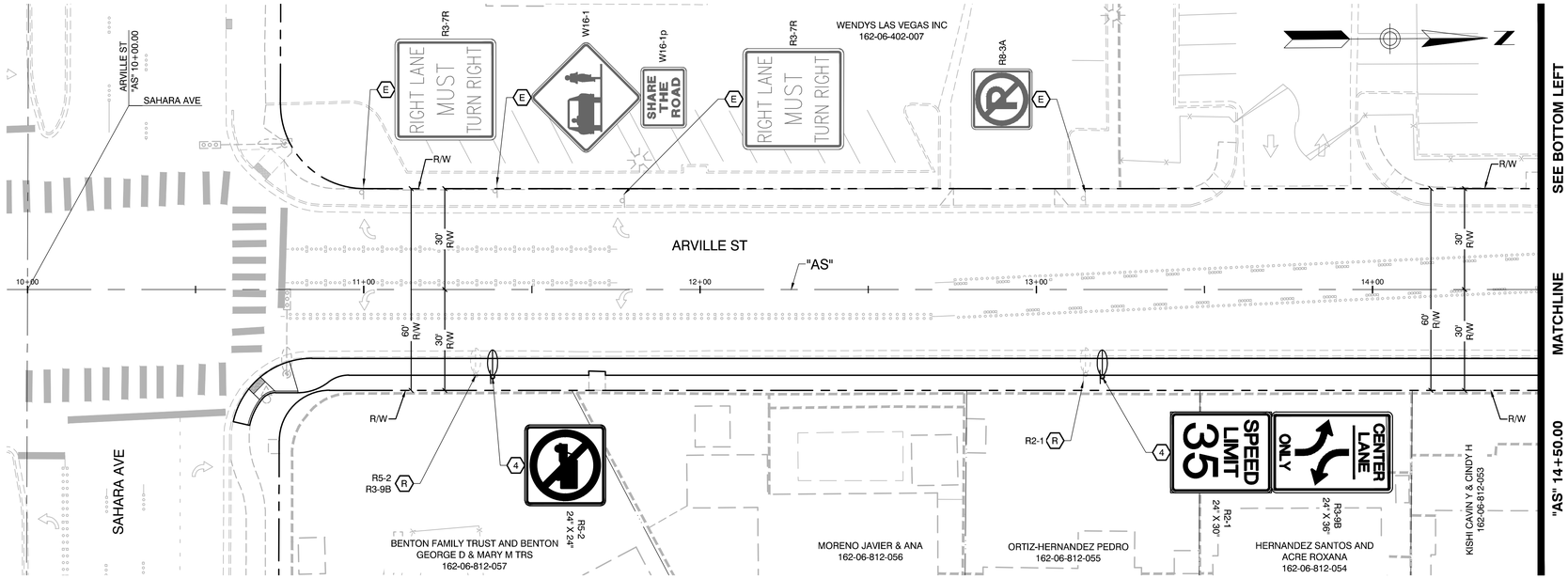
TITLE
SIDEWALK INFILL - ARVILLE STREET, VISTA DRIVE AND HINSON STREET

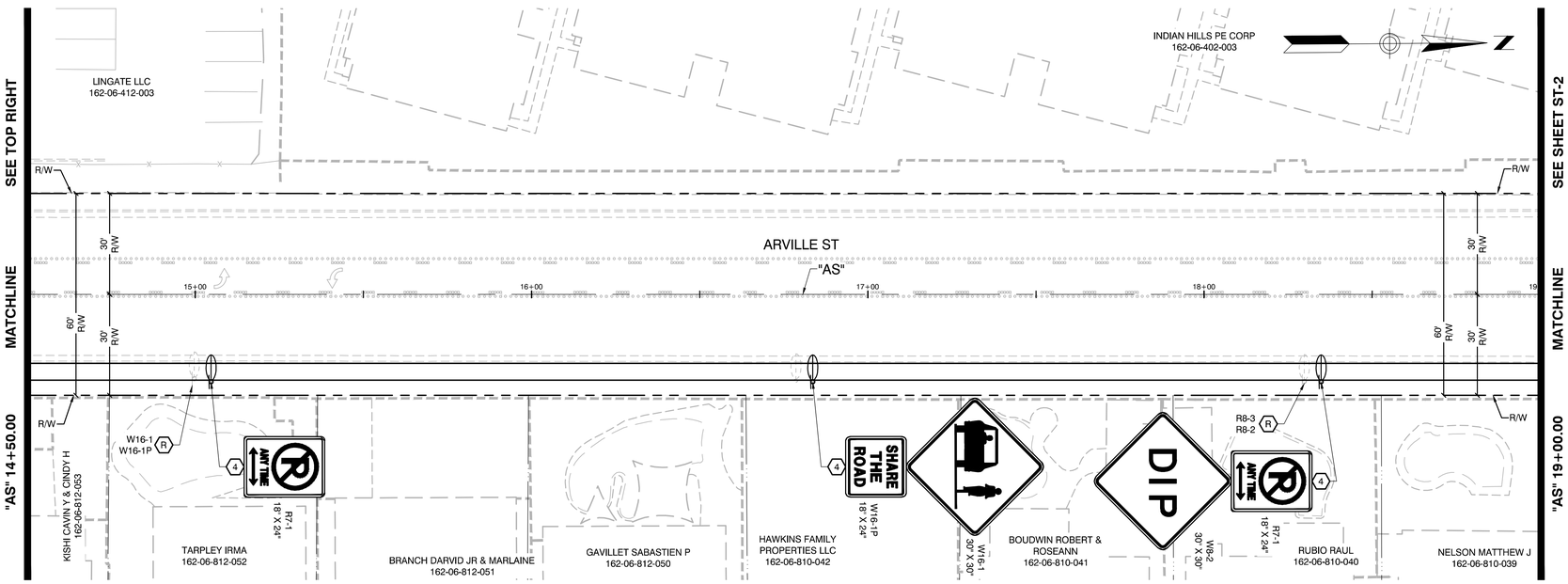
SHEET
STORM DRAIN LATERAL PROFILES

PROFESSIONAL ENGINEER - STATE OF NEVADA
TIMOTHY A. McCOY
Exp. 12/31/2017
CIVIL
No. 11511
4/25/17

SHEET
DG-17
54 OF 74
DRAWING NO.
107V 5837-4

F:\Projects\4504\13.6666\DWG\Production\07-AH_SOD1 DG17.dwg, 5/16/2017 9:34:20 AM, jguman





SIGNING AND STRIPING NOTES

1. TYPE 4 LANE LINE (RPM) (USDCCA STD. DWG. NO. 244.1)
2. 6-INCH SOLID WHITE LINE (PPM)
3. TYPE 1 CENTERLINE (RPM) (USDCCA STD. DWG. NO. 244)
4. INSTALL NEW SIGN(S)
5. 24-INCH YELLOW DIAGONALS AT 25-FOOT O.C. (PMF TYPE 2)(USDCCA STD. DWG. NO. 245)
6. SOLID YELLOW TO 5-FT WIDTH (PMF TYPE 2)
7. PAINT MEDIAN ISLAND YELLOW AND INSTALL YELLOW MEDIAN NOSE MARKINGS (USDCCA STD. DWG. NO. 248)

E. EXISTING TO REMAIN

R. REMOVE AND SALVAGE SIGN(S)

NOTES:
1. SEE GENERAL NOTES ON SHEET G-1.
2. LANE DIMENSIONS ARE TO LIP OF GUTTER OR FACE OF MEDIAN CURB UNLESS OTHERWISE NOTED.
3. EXISTING MARKINGS IN CONFLICT WITH PROPOSED MARKINGS SHALL BE REMOVED BY METHODS APPROVED BY THE ENGINEER.
4. IF THE IMPROVEMENTS NECESSITATE THE OBLITERATION, TEMPORARY OBSTRUCTION, TEMPORARY REMOVAL OR RELOCATION OF ANY EXISTING TRAFFIC MARKINGS, SUCH MARKINGS SHALL BE RESTORED OR REPLACED WITH LIKE MATERIALS TO THE SATISFACTION OF THE ENGINEER.
5. EXISTING SIGNS NOT SHOWN SHALL REMAIN IN PLACE.
6. LOCATIONS OF NEW SIGNS SHALL BE ADJUSTED IN FIELD TO AVOID SIGHT OBSTRUCTION WITH EXISTING LANDSCAPING WITH APPROVAL OF THE ENGINEER.

GRAPHIC SCALE
20 0 10 20 40
(IN FEET)

CALL BEFORE CONSTRUCTION

BEFORE YOU DIG	USA NORTH	811 OR 800-227-2600
BEFORE YOU UNDERGROUND	F.A.S.T.	702-432-5300
	CLARK COUNTY TRAFFIC OPERATIONS	702-455-7511
	CITY OF LAS VEGAS T.E.F.O.	702-229-6611
BEFORE YOU OVERHEAD	NV ENERGY	702-227-2929

NO.	DATE	REVISIONS

PREPARED BY
GCW ENGINEERS \ SURVEYORS
1555 S. RAINBOW BLVD.
LAS VEGAS, NV 89146
T: 702.804.2000
F: 702.804.2299
gcwengineering.com

PREPARED FOR
CITY OF LAS VEGAS

BID# 17.50168
DESIGNED BY: JFG
DRAWN BY: MVD
CHECKED BY: TAM

H# 50168
DATE: 4/25/17
SUBMITTAL STAGE: FINAL

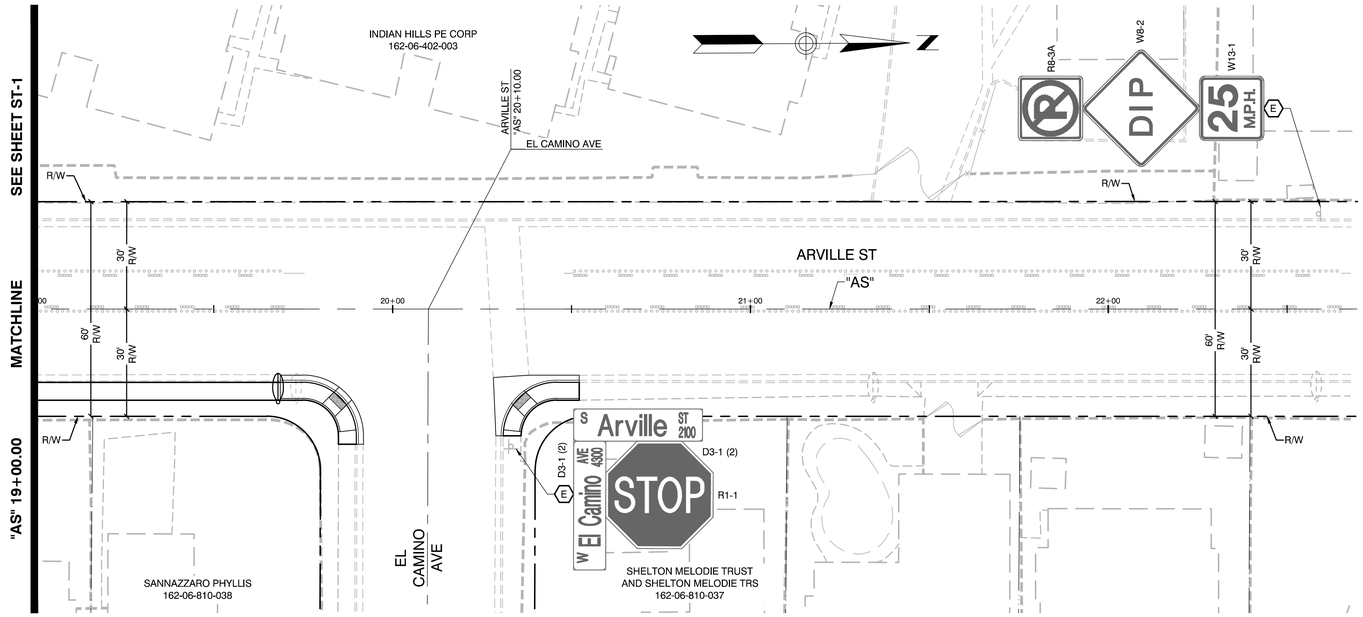
TITLE
SIDEWALK INFILL - ARVILLE STREET, VISTA DRIVE AND HINSON STREET

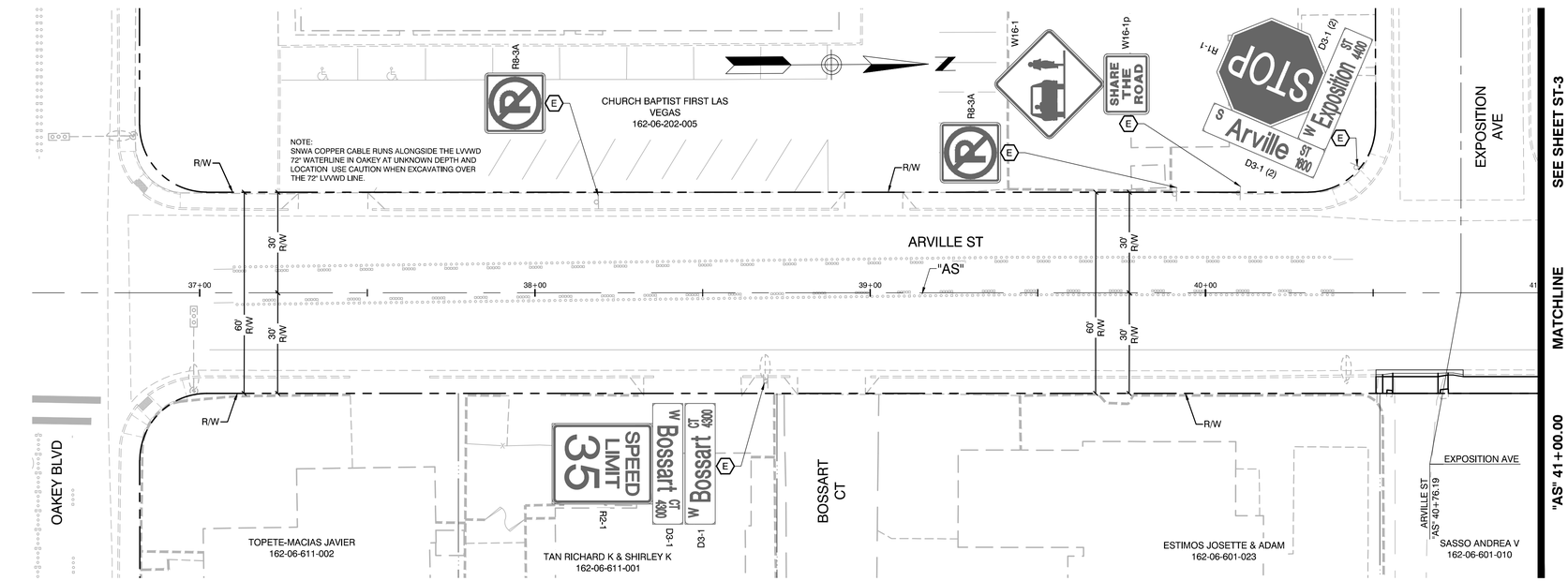
SHEET
SIGNING & STRIPING PLAN
"AS" 10+00 TO "AS" 19+00

PROFESSIONAL ENGINEER STATE OF NEVADA
TIMOTHY A. McCOY
Exp. 12/31/2017
No. 11511
CIVIL
4/25/17

SHEET
ST-1
55 OF 74
DRAWING NO.
107V 5837-4

F:\Projects\4004\12-656\DWG\Production\08 A1_ST01-ST19.dwg, 5/15/2017 10:50:44 AM, jgutman





SIGNING AND STRIPING NOTES

1. TYPE 4 LANE LINE (RPM) (USDCCA STD. DWG. NO. 244.1)
2. 6-INCH SOLID WHITE LINE (PPM)
3. TYPE 1 CENTERLINE (RPM) (USDCCA STD. DWG. NO. 244)
4. INSTALL NEW SIGN(S)
5. 24-INCH YELLOW DIAGONALS AT 25-FOOT O.C. (PMF TYPE 2)(USDCCA STD. DWG. NO. 245)
6. SOLID YELLOW TO 5-FT WIDTH (PMF TYPE 2)
7. PAINT MEDIAN ISLAND YELLOW AND INSTALL YELLOW MEDIAN NOSE MARKINGS (USDCCA STD. DWG. NO. 248)

E. EXISTING TO REMAIN

R. REMOVE AND SALVAGE SIGN(S)

NOTES:
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5. EXISTING SIGNS NOT SHOWN SHALL REMAIN IN PLACE.
6. LOCATIONS OF NEW SIGNS SHALL BE ADJUSTED IN FIELD TO AVOID SIGHT OBSTRUCTION WITH EXISTING LANDSCAPING WITH APPROVAL OF THE ENGINEER.

SNWA CONSTRUCTION NOTE:
CONTRACTOR SHALL FIELD LOCATE AND PROTECT ALL SNWA/SNWS APPURTENANCES INCLUDING BUT NOT LIMITED TO : AV/ARS, ACCESS MANWAYS AND CATHODIC PROTECTION SYSTEMS. ALL ABOVE GROUND STRUCTURES AND GRADE STRUCTURES MUST BE ADJUSTED TO NEW GRADE AT CONTRACTORS EXPENSE. CATHODIC PROTECTION TEST STATIONS, RECTIFIERS AND AV/ARS MUST BE RELOCATED TO THE SIDEWALK PER SNWA STANDARD AND AT THE CONTRACTORS EXPENSE. CONTRACTOR TO NOTIFY SOUTHERN NEVADA WATER AUTHORITY, DEVELOPMENT PLAN REVIEW, AT (702)691-5372 AT LEAST 48 HOURS PRIOR TO CONSTRUCTION ACTIVITY.

APPROVED FOR CONSTRUCTION

SIGNED BY MIKE DISHARI ON 4/19/17 (SEE ORIGINAL MYLAR)

SOUTHERN NEVADA WATER AUTHORITY

DATE: DPR# 2015-0122

SNWA APPROVAL IS VALID 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.

GRAPHIC SCALE
20 0 10 20 40
(IN FEET)

CALL BEFORE CONSTRUCTION

BEFORE YOU DIG	USA NORTH	811 OR 800-227-2600
BEFORE YOU UNDERGROUND	F.A.S.T.	702-432-5300
	CLARK COUNTY TRAFFIC OPERATIONS	702-455-7511
	CITY OF LAS VEGAS T.E.F.O.	702-229-6611
BEFORE YOU OVERHEAD	NV ENERGY	702-227-2929

NO.	DATE	REVISIONS

PREPARED BY
GCW ENGINEERS \ SURVEYORS
1555 S. RAINBOW BLVD.
LAS VEGAS, NV 89146
T: 702.804.2000
F: 702.804.2299
gcwengineersmg.com

PREPARED FOR
CITY OF LAS VEGAS

BID#	17-50168
DESIGNED BY:	JFG
DRAWN BY:	MVD
CHECKED BY:	TAM
H#	50168
DATE:	4/25/17
SUBMITTAL STAGE:	FINAL

TITLE
SIDEWALK INFILL - ARVILLE STREET, VISTA DRIVE AND HINSON STREET

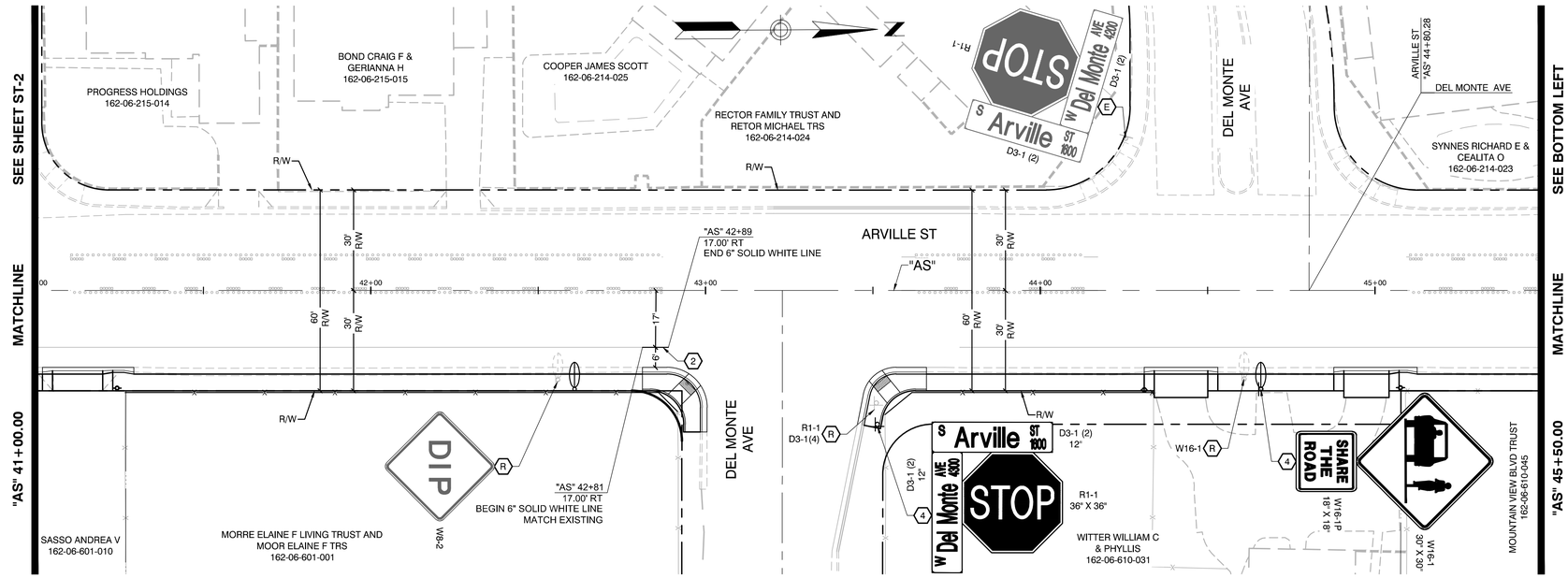
SHEET
SIGNING & STRIPING PLAN "AS" 19+00 TO "AS" 41+00

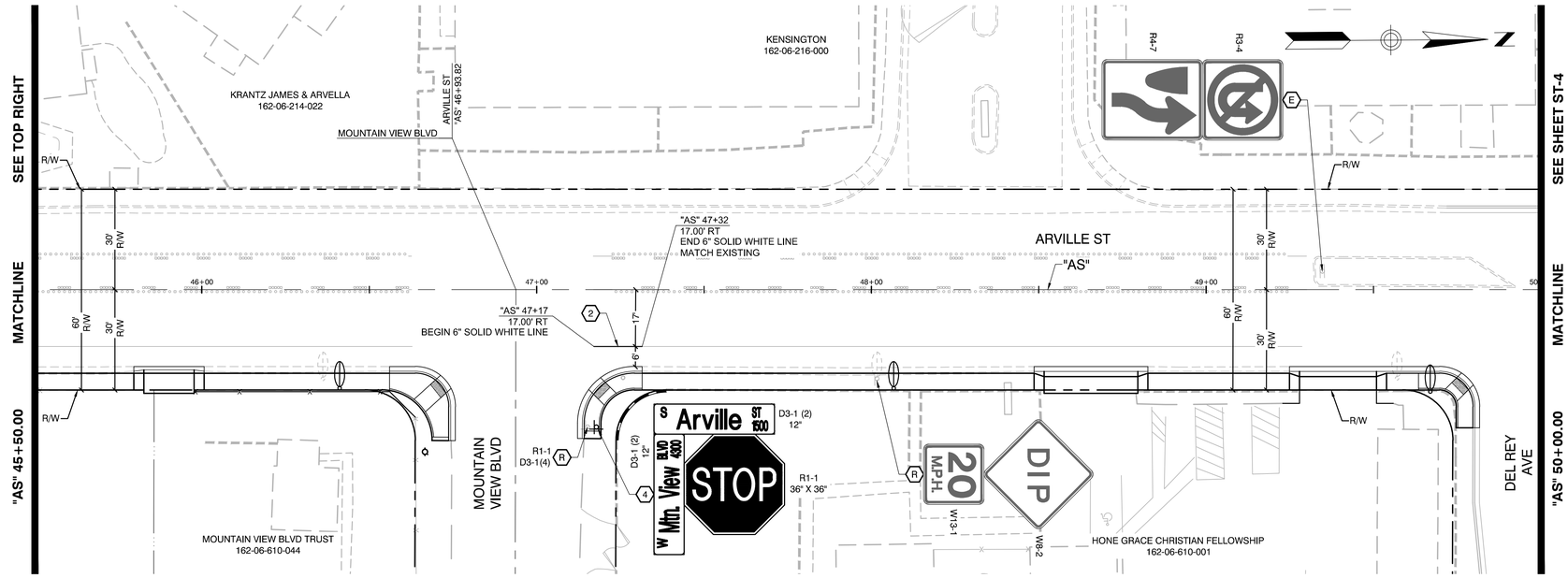
SNWA DPR# 2015-0122 (APPROVED)

TIMOTHY A. McCOY
Exp. 12/31/2017
CIVIL
No. 11511
PROFESSIONAL ENGINEER STATE OF NEVADA
4/25/17

SHEET
ST-2
56 OF 74
DRAWING NO.
107V 5837-4

F:\Projects\40042-68\DWG\Production\08 A1_ST01-ST19.dwg, 5/15/2017 10:50:51 AM, jgutman





SIGNING AND STRIPING NOTES

1. TYPE 4 LANE LINE (RPM) (USDCCA STD. DWG. NO. 244.1)
2. 6-INCH SOLID WHITE LINE (PPM)
3. TYPE 1 CENTERLINE (RPM) (USDCCA STD. DWG. NO. 244)
4. INSTALL NEW SIGN(S)
5. 24-INCH YELLOW DIAGONALS AT 25-FOOT O.C. (PMF TYPE 2)(USDCCA STD. DWG. NO. 245)
6. SOLID YELLOW TO 6-FT WIDTH (PMF TYPE 2)
7. PAINT MEDIAN ISLAND YELLOW AND INSTALL YELLOW MEDIAN NOSE MARKINGS (USDCCA STD. DWG. NO. 248)
- E. EXISTING TO REMAIN
- R. REMOVE AND SALVAGE SIGN(S)

NOTES:
1. SEE GENERAL NOTES ON SHEET G-1.
2. LANE DIMENSIONS ARE TO LIP OF GUTTER OR FACE OF MEDIAN CURB UNLESS OTHERWISE NOTED.
3. EXISTING MARKINGS IN CONFLICT WITH PROPOSED MARKINGS SHALL BE REMOVED BY METHODS APPROVED BY THE ENGINEER.
4. IF THE IMPROVEMENTS NECESSITATE THE OBLITERATION, TEMPORARY OBSTRUCTION, TEMPORARY REMOVAL OR RELOCATION OF ANY EXISTING TRAFFIC MARKINGS, SUCH MARKINGS SHALL BE RESTORED OR REPLACED WITH LIKE MATERIALS TO THE SATISFACTION OF THE ENGINEER.
5. EXISTING SIGNS NOT SHOWN SHALL REMAIN IN PLACE.
6. LOCATIONS OF NEW SIGNS SHALL BE ADJUSTED IN FIELD TO AVOID SIGHT OBSTRUCTION WITH EXISTING LANDSCAPING WITH APPROVAL OF THE ENGINEER.

GRAPHIC SCALE
20 0 10 20 40
(IN FEET)

CALL BEFORE CONSTRUCTION

BEFORE YOU DIG	USA NORTH	811 OR 800-227-2600
BEFORE YOU UNDERGROUND	F.A.S.T.	702-432-5300
	CLARK COUNTY TRAFFIC OPERATIONS	702-455-7511
	CITY OF LAS VEGAS T.E.F.O.	702-229-6611
BEFORE YOU OVERHEAD	NV ENERGY	702-227-2929

NO.	DATE	REVISIONS

PREPARED BY
GCW ENGINEERS \ SURVEYORS
1555 S. RAINBOW BLVD.
LAS VEGAS, NV 89146
T: 702.804.2000
F: 702.804.2299
gcwengineering.com

PREPARED FOR
CITY OF LAS VEGAS

BID# 17-50168
DESIGNED BY: JFG
DRAWN BY: MVD
CHECKED BY: TAM
H# 50168
DATE: 4/25/17
SUBMITTAL STAGE: FINAL

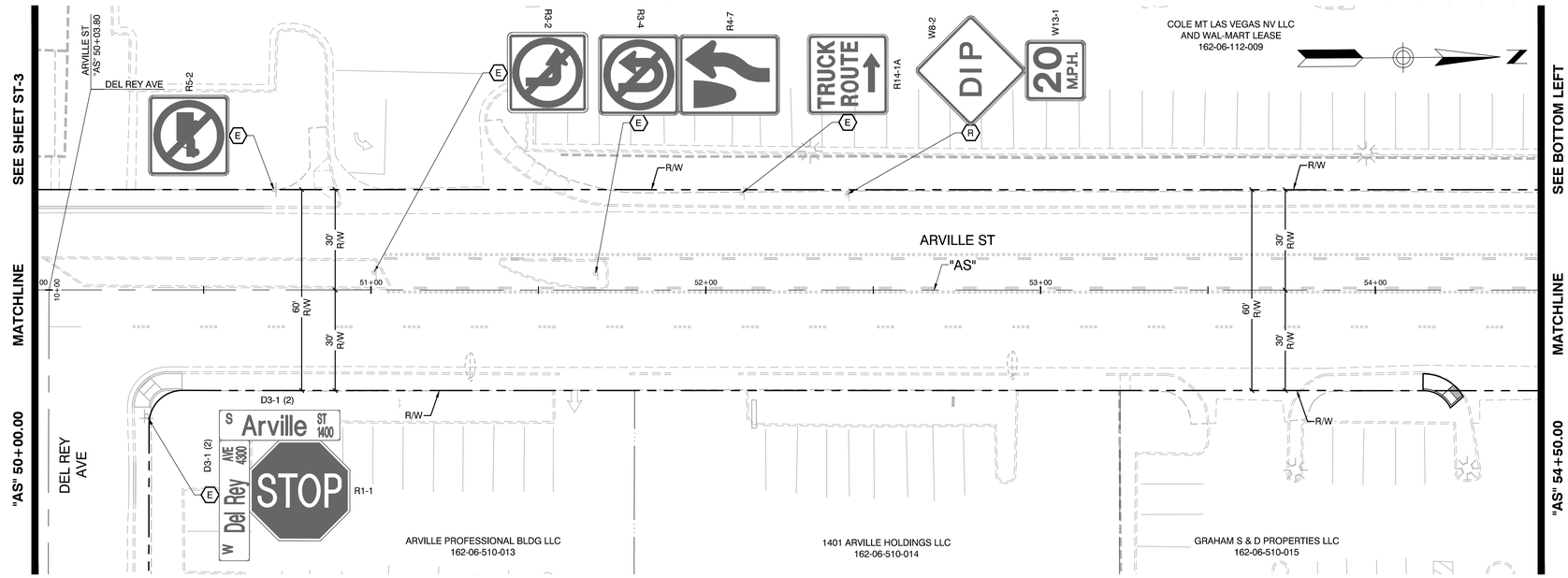
TITLE
SIDEWALK INFILL - ARVILLE STREET, VISTA DRIVE AND HINSON STREET

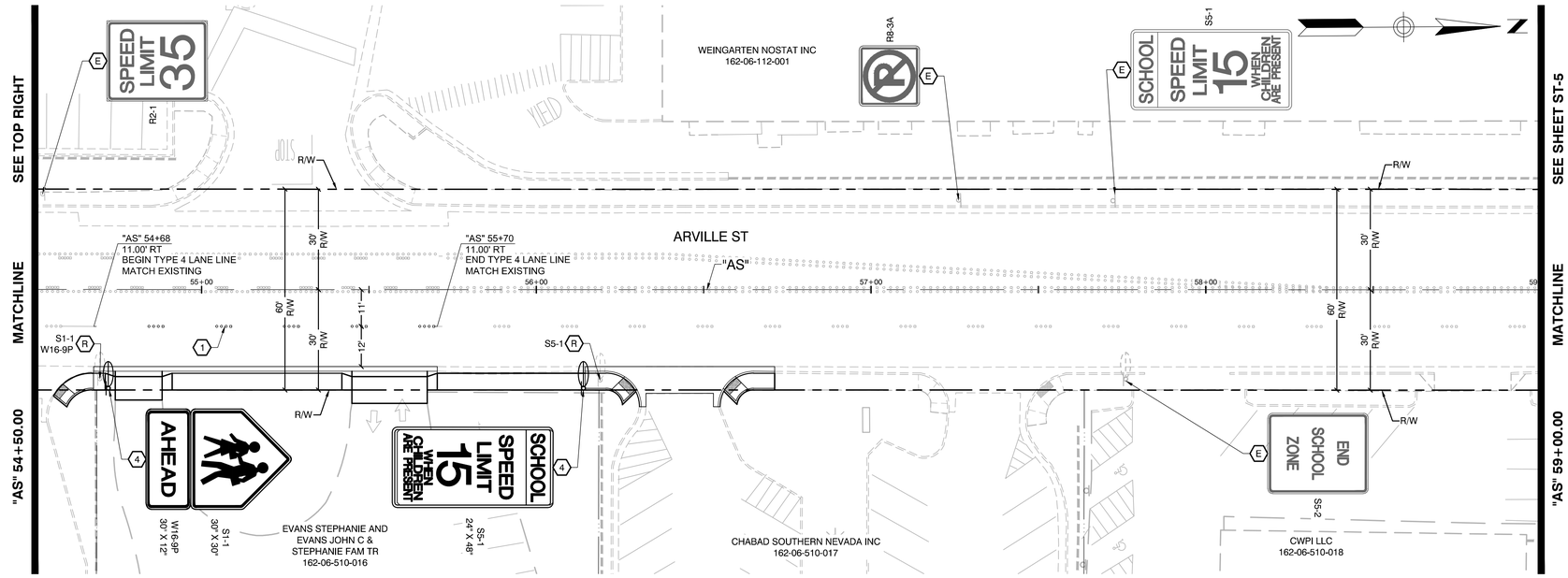
SHEET
SIGNING & STRIPING PLAN
"AS" 41+00 TO "AS" 50+00

TIMOTHY A. McCOY
Exp. 12/31/2017
CIVIL
PROFESSIONAL ENGINEER STATE OF NEVADA
No. 11511
4/25/17

SHEET
ST-3
57 OF 74
DRAWING NO.
107V 5837-4

F:\Projects\40\412-68\DWG\Production\08 A1_ST01-ST19.dwg, 5/15/2017 10:50:58 AM, jguzman





SIGNING AND STRIPING NOTES

1. TYPE 4 LANE LINE (RPM) (USDCCA STD. DWG. NO. 244.1)
2. 6-INCH SOLID WHITE LINE (PPM)
3. TYPE 1 CENTERLINE (RPM) (USDCCA STD. DWG. NO. 244)
4. INSTALL NEW SIGN(S)
5. 24-INCH YELLOW DIAGONALS AT 25-FOOT O.C. (PMF TYPE 2)(USDCCA STD. DWG. NO. 245)
6. SOLID YELLOW TO 5-FT WIDTH (PMF TYPE 2)
7. PAINT MEDIAN ISLAND YELLOW AND INSTALL YELLOW MEDIAN NOSE MARKINGS (USDCCA STD. DWG. NO. 248)

E EXISTING TO REMAIN

R REMOVE AND SALVAGE SIGN(S)

NOTES:
1. SEE GENERAL NOTES ON SHEET G-1.
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GRAPHIC SCALE
20 0 10 20 40
(IN FEET)

CALL BEFORE CONSTRUCTION

BEFORE YOU DIG	USA NORTH	811 OR 800-227-2600
BEFORE YOU UNDERGROUND	F.A.S.T.	702-432-5300
	CLARK COUNTY TRAFFIC OPERATIONS	702-455-7511
	CITY OF LAS VEGAS T.E.F.O.	702-229-6611
BEFORE YOU OVERHEAD	NV ENERGY	702-227-2929

NO.	DATE	REVISIONS

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GCW ENGINEERS \ SURVEYORS
1555 S. RAINBOW BLVD.
LAS VEGAS, NV 89146
T: 702.804.2000
F: 702.804.2299
gcwengineering.com

PREPARED FOR
CITY OF LAS VEGAS

BID# 17-50168
H# 50168
DESIGNED BY: JFG
DRAWN BY: MVD
CHECKED BY: TAM
DATE: 4/25/17
SUBMITTAL STAGE: FINAL

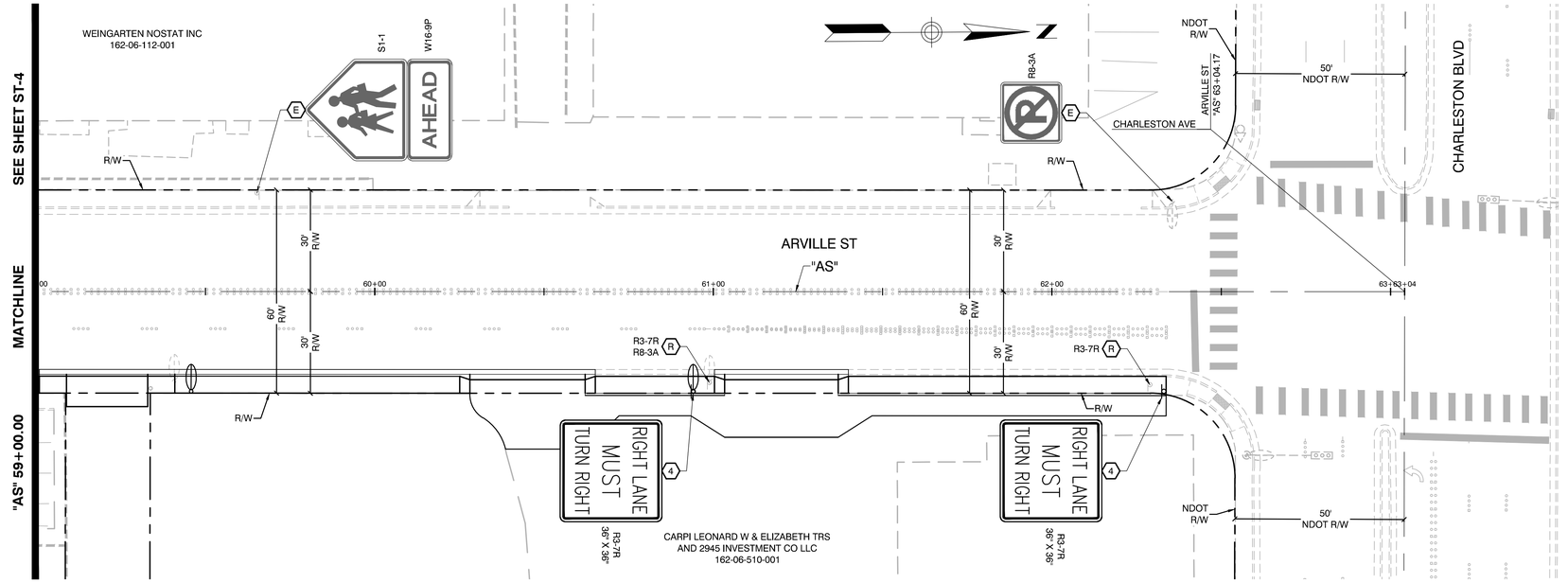
TITLE
SIDEWALK INFILL - ARVILLE STREET, VISTA DRIVE AND HINSON STREET

SHEET
SIGNING & STRIPING PLAN
"AS" 50+00 TO "AS" 59+00

PROFESSIONAL ENGINEER STATE OF NEVADA
TIMOTHY A. McCOY
Exp. 12/31/2017
CIVIL
No. 11511
4/25/17

SHEET
ST-4
58 OF 74
DRAWING NO.
107V 5837-4

F:\Projects\40042-68\DWG\Production\08 A1_ST01-ST10.dwg, 5/15/2017 10:51:05 AM, jgutman



SIGNING AND STRIPING NOTES

1. TYPE 4 LANE LINE (RPM) (USDCCA STD. DWG. NO. 244.1)
2. 6-INCH SOLID WHITE LINE (PPM)
3. TYPE 1 CENTERLINE (RPM) (USDCCA STD. DWG. NO. 244)
4. INSTALL NEW SIGN(S)
5. 24-INCH YELLOW DIAGONALS AT 25-FOOT O.C. (PMF TYPE 2)(USDCCA STD. DWG. NO. 245)
6. SOLID YELLOW TO 9-FT WIDTH (PMF TYPE 2)
7. PAINT MEDIAN ISLAND YELLOW AND INSTALL YELLOW MEDIAN NOSE MARKINGS (USDCCA STD. DWG. NO. 248)

E EXISTING TO REMAIN

R REMOVE AND SALVAGE SIGN(S)

NOTES:
1. SEE GENERAL NOTES ON SHEET G-1.
2. LANE DIMENSIONS ARE TO LIP OF GUTTER OR FACE OF MEDIAN CURB UNLESS OTHERWISE NOTED.
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GRAPHIC SCALE
20 0 10 20 40
(IN FEET)

CALL BEFORE CONSTRUCTION ⚠

BEFORE YOU DIG	USA NORTH	811 OR 800-227-2600
BEFORE YOU UNDERGROUND	F.A.S.T.	702-432-5300
	CLARK COUNTY TRAFFIC OPERATIONS	702-455-7511
	CITY OF LAS VEGAS T.E.F.O.	702-229-6611
BEFORE YOU OVERHEAD	NV ENERGY	702-227-2929

NO.	DATE	REVISIONS

PREPARED BY
GCW ENGINEERS \ SURVEYORS
1555 S. RAINBOW BLVD.
LAS VEGAS, NV 89146
T: 702.804.2000
F: 702.804.2299
gcwengineering.com

PREPARED FOR
CITY OF LAS VEGAS

H# 50168 | BID# 17-50168
DATE: 4/25/17 | DESIGNED BY: JFG
SUBMITTAL STAGE: **FINAL** | DRAWN BY: MVD
CHECKED BY: TAM

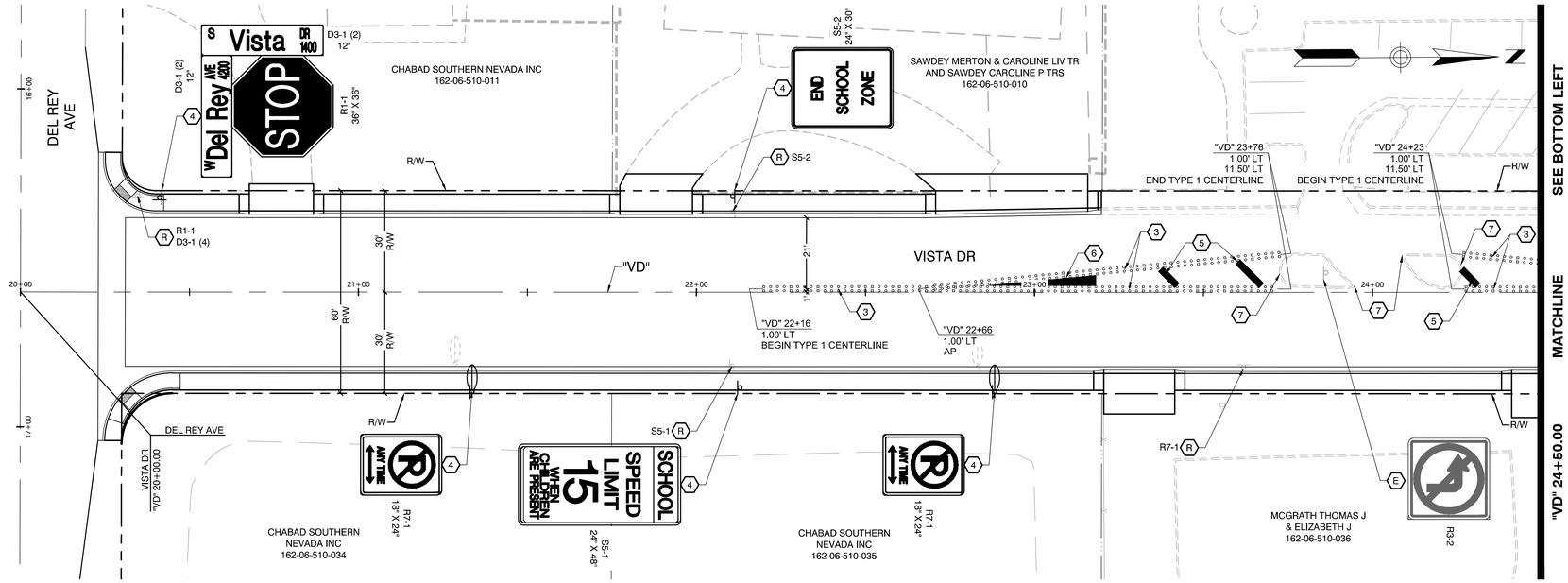
TITLE
SIDEWALK INFILL - ARVILLE STREET, VISTA DRIVE AND HINSON STREET

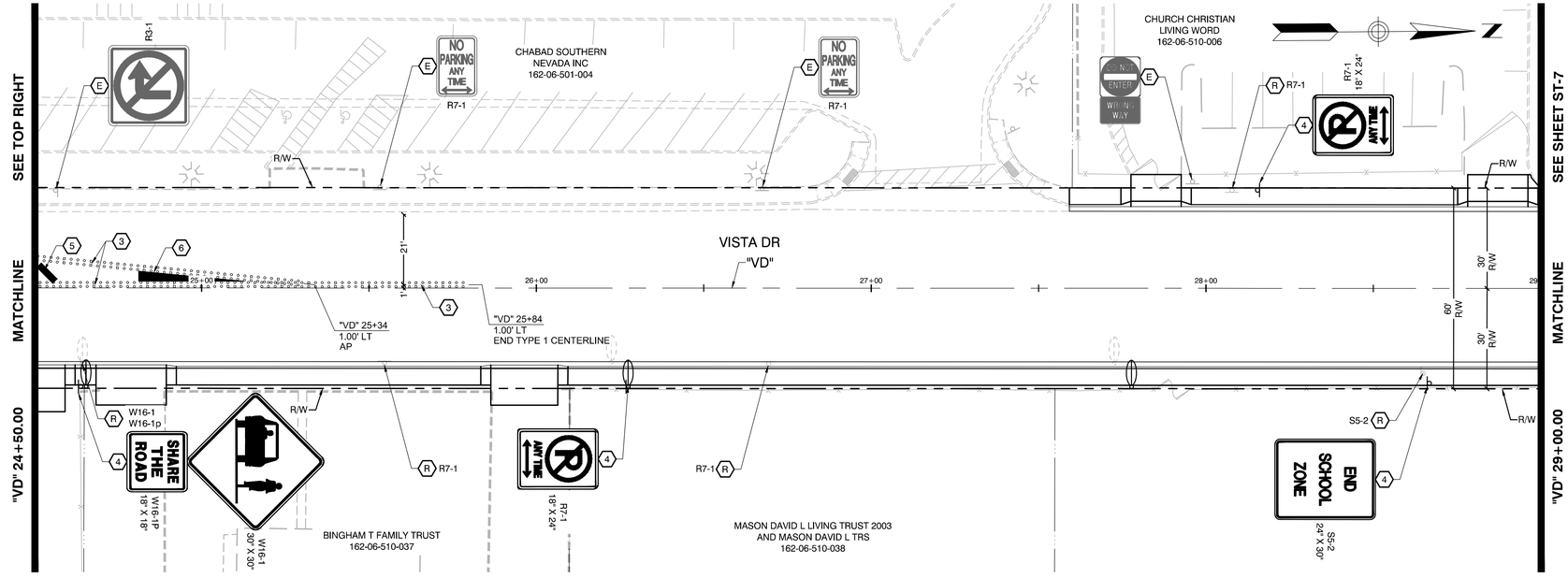
SHEET
SIGNING & STRIPING PLAN "AS" 59+00 TO "AS" 63+04.17

PROFESSIONAL ENGINEER - STATE OF NEVADA
TIMOTHY A. McCOY
Exp. 12/31/2017
CIVIL
No. 11511
4/25/17

SHEET
ST-5
59 OF 74
DRAWING NO.
107V 5837-4

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SIGNING AND STRIPING NOTES

1. TYPE 4 LANE LINE (RPM) (USDCCA STD. DWG. NO. 244.1)
2. 6-INCH SOLID WHITE LINE (PPM)
3. TYPE 1 CENTERLINE (RPM) (USDCCA STD. DWG. NO. 244)
4. INSTALL NEW SIGN(S)
5. 24-INCH YELLOW DIAGONALS AT 25-FOOT O.C. (PMF TYPE 2)(USDCCA STD. DWG. NO. 245)
6. SOLID YELLOW TO 6-FT WIDTH (PMF TYPE 2)
7. PAINT MEDIAN ISLAND YELLOW AND INSTALL YELLOW MEDIAN NOSE MARKINGS (USDCCA STD. DWG. NO. 248)
E. EXISTING TO REMAIN
R. REMOVE AND SALVAGE SIGN(S)

NOTES:
1. SEE GENERAL NOTES ON SHEET G-1.
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GRAPHIC SCALE
20 0 10 20 40
(IN FEET)

CALL BEFORE CONSTRUCTION

BEFORE YOU DIG	USA NORTH	811 OR 800-227-2600
BEFORE YOU UNDERGROUND	F.A.S.T.	702-432-5300
	CLARK COUNTY TRAFFIC OPERATIONS	702-455-7511
	CITY OF LAS VEGAS T.E.F.O.	702-229-6611
BEFORE YOU OVERHEAD	NV ENERGY	702-227-2929

NO.	DATE	REVISIONS

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1555 S. RAINBOW BLVD.
LAS VEGAS, NV 89146
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F: 702.804.2299
gcwengineering.com

PREPARED FOR
CITY OF LAS VEGAS

BID# 17.50168
H# 50168
DESIGNED BY: JFG
DRAWN BY: MVD
CHECKED BY: TAM
DATE: 4/25/17
SUBMITTAL STAGE: FINAL

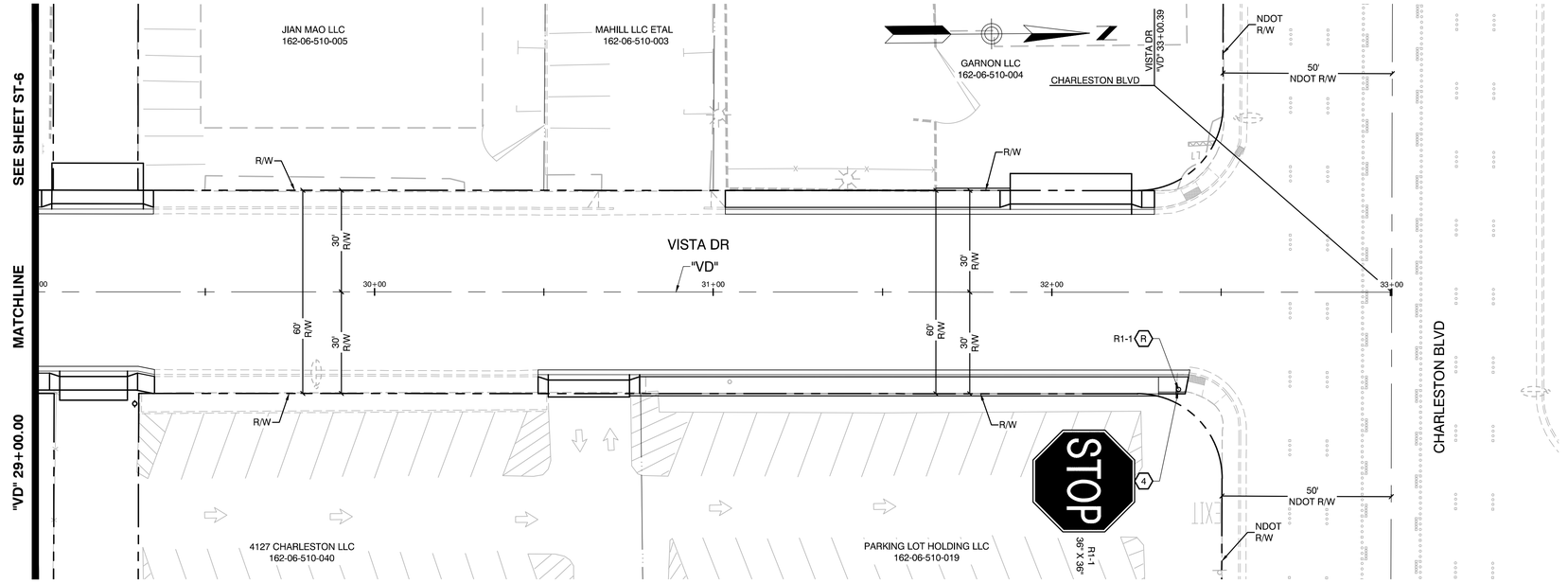
TITLE
SIDEWALK INFILL - ARVILLE STREET, VISTA DRIVE AND HINSON STREET

SHEET
SIGNING & STRIPING PLAN "VD" 20+00 TO "VD" 29+00

PROFESSIONAL ENGINEER STATE OF NEVADA
TIMOTHY A. McCOY
Exp. 12/31/2017
No. 11511
CIVIL
4/25/17

SHEET
ST-6
60 OF 74
DRAWING NO.
107V 5837-4

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SIGNING AND STRIPING NOTES

1. TYPE 4 LANE LINE (RPM) (USDCCA STD. DWG. NO. 244.1)
2. 6-INCH SOLID WHITE LINE (PPM)
3. TYPE 1 CENTERLINE (RPM) (USDCCA STD. DWG. NO. 244)
4. INSTALL NEW SIGN(S)
5. 24-INCH YELLOW DIAGONALS AT 25-FOOT O.C. (PMF TYPE 2)(USDCCA STD. DWG. NO. 245)
6. SOLID YELLOW TO 5-FT WIDTH (PMF TYPE 2)
7. PAINT MEDIAN ISLAND YELLOW AND INSTALL YELLOW MEDIAN NOSE MARKINGS (USDCCA STD. DWG. NO. 248)
- E. EXISTING TO REMAIN
- R. REMOVE AND SALVAGE SIGN(S)

NOTES:
1. SEE GENERAL NOTES ON SHEET G-1.
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GRAPHIC SCALE
20 0 10 20 40
(IN FEET)

CALL BEFORE CONSTRUCTION ⚠

BEFORE YOU DIG	USA NORTH	811 OR 800-227-2600
BEFORE YOU UNDERGROUND	F.A.S.T.	702-432-5300
	CLARK COUNTY TRAFFIC OPERATIONS	702-455-7511
	CITY OF LAS VEGAS T.E.F.O.	702-229-6611
BEFORE YOU OVERHEAD	NV ENERGY	702-227-2929

NO.	DATE	REVISIONS

PREPARED BY
GCW ENGINEERS \ SURVEYORS
1555 S. RAINBOW BLVD.
LAS VEGAS, NV 89146
T: 702.804.2000
F: 702.804.2259
gcwengineering.com

PREPARED FOR
CITY OF LAS VEGAS

H# 50168	BID# 17-50168	DESIGNED BY: JFG	CHECKED BY: TAM
DATE: 4/25/17		DRAWN BY: MVD	
SUBMITTAL STAGE: FINAL			

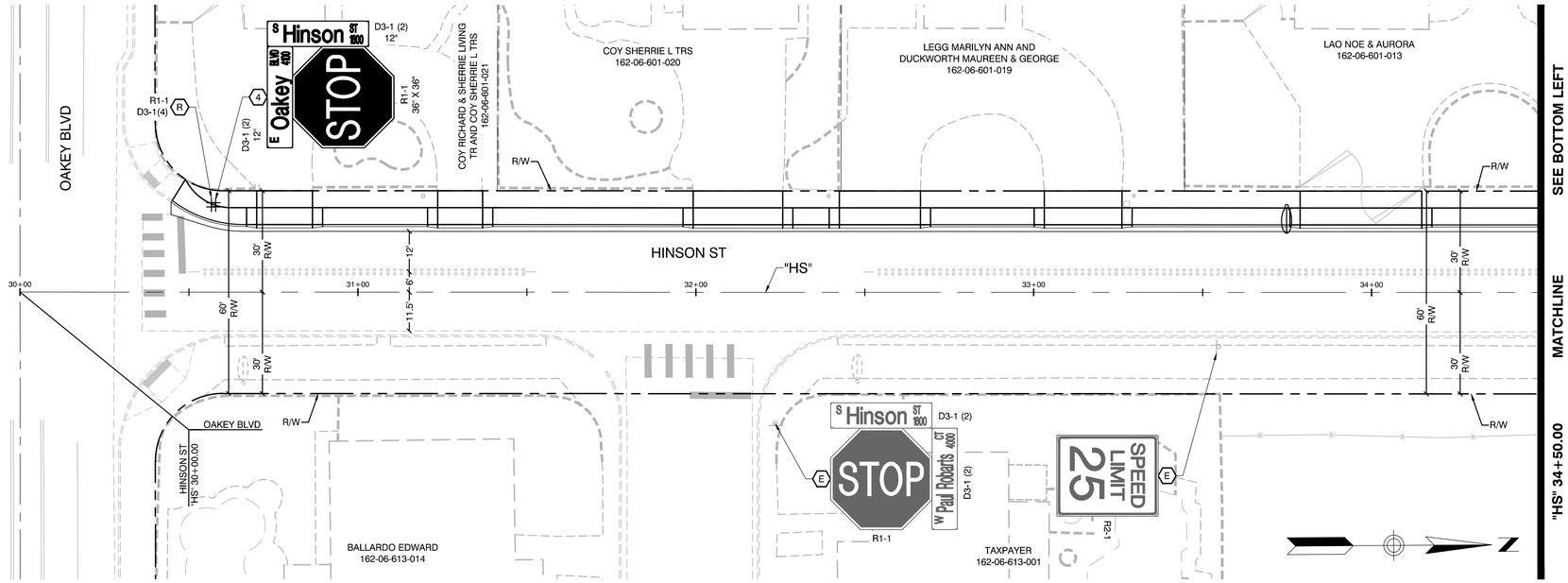
TITLE
SIDEWALK INFILL - ARVILLE STREET, VISTA DRIVE AND HINSON STREET

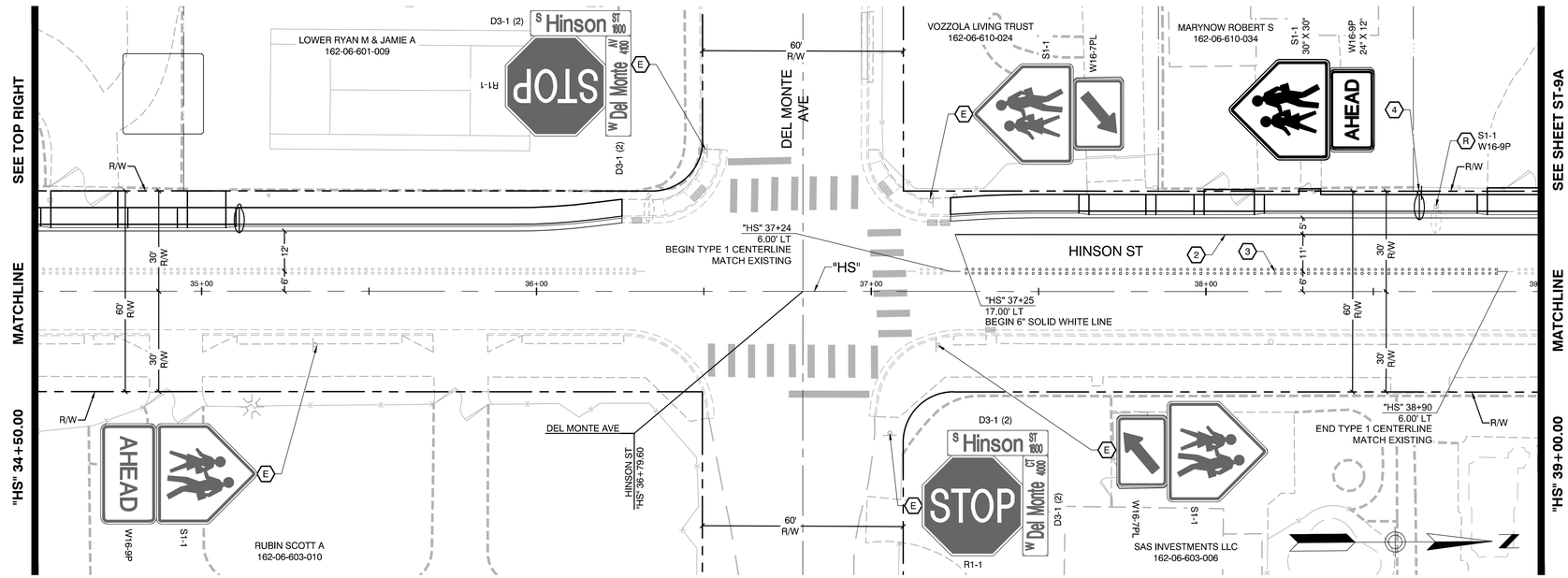
SHEET
SIGNING & STRIPING PLAN
"VD" 29+00 TO "VD" 33+00.39

PROFESSIONAL ENGINEER - STATE OF NEVADA
TIMOTHY A. McCOY
Exp. 12/31/2017
CIVIL
No. 11511
4/25/17

SHEET
ST-7
61 OF 74
DRAWING NO.
107V 5837-4

F:\Projects\4500413.666\GWG\Production\08-A4_ST01-ST10.dwg, 5/15/2017 10:51:24 AM, jgarman





SIGNING AND STRIPING NOTES

1. TYPE 4 LANE LINE (RPM) (USDCCA STD. DWG. NO. 244.1)
2. 6-INCH SOLID WHITE LINE (PPM)
3. TYPE 1 CENTERLINE (RPM) (USDCCA STD. DWG. NO. 244)
4. INSTALL NEW SIGN(S)
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6. SOLID YELLOW TO 5-FT WIDTH (PMF TYPE 2)
7. PAINT MEDIAN ISLAND YELLOW AND INSTALL YELLOW MEDIAN NOSE MARKINGS (USDCCA STD. DWG. NO. 248)

E EXISTING TO REMAIN

R REMOVE AND SALVAGE SIGN(S)

NOTES:
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GRAPHIC SCALE
20 0 10 20 40
(IN FEET)

CALL BEFORE CONSTRUCTION ⚠		
BEFORE YOU DIG	USA NORTH	811 OR 800-227-2600
BEFORE YOU UNDERGROUND	F.A.S.T.	702-432-5300
	CLARK COUNTY TRAFFIC OPERATIONS	702-455-7511
	CITY OF LAS VEGAS T.E.F.O.	702-229-6611
BEFORE YOU OVERHEAD	NV ENERGY	702-227-2929

NO.	DATE	REVISIONS

PREPARED BY
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1555 S. RAINBOW BLVD.
LAS VEGAS, NV 89146
T: 702.804.2000
F: 702.804.2299
gcwengineering.com

PREPARED FOR
CITY OF LAS VEGAS

BID# 17-50168
H# 50168
DESIGNED BY: JFG
DRAWN BY: MGE
CHECKED BY: TAM
DATE: 4/25/17
SUBMITTAL STAGE: FINAL

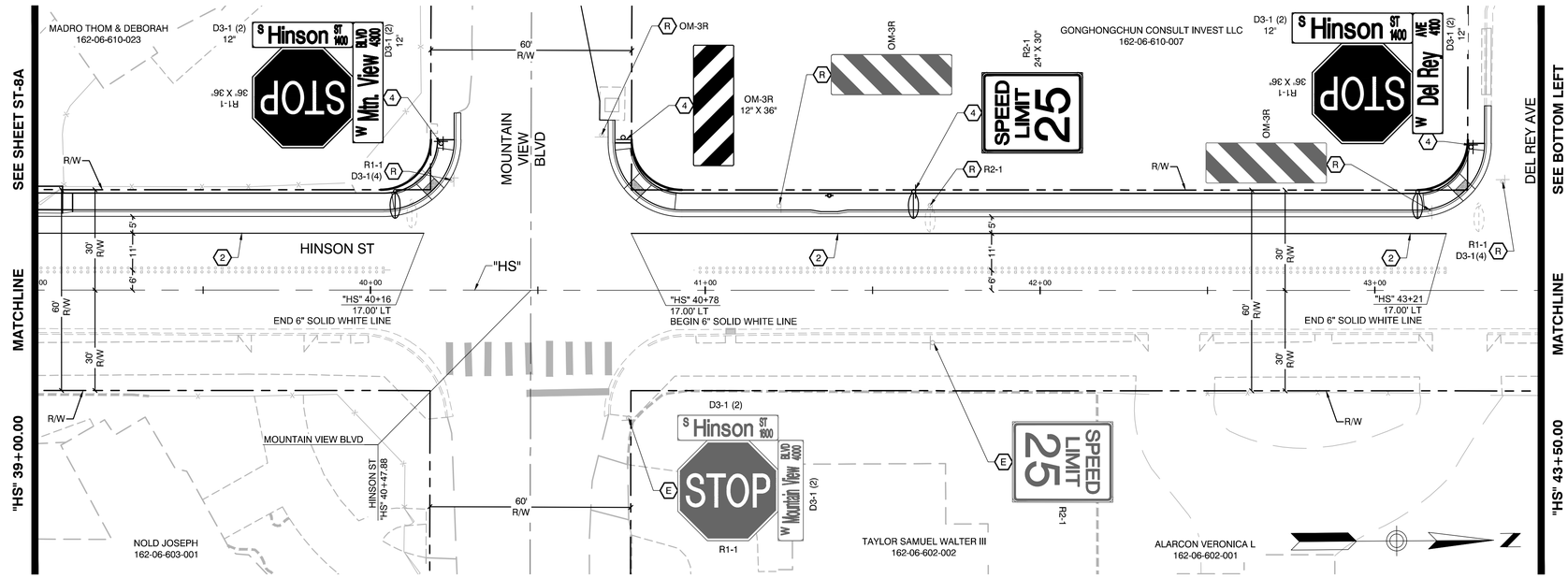
TITLE
SIDEWALK INFILL - ARVILLE STREET, VISTA DRIVE AND HINSON STREET

SHEET
SIGNING & STRIPING PLAN
"HS" 30+00 TO "HS" 39+00 (ADD/ALT)

PROFESSIONAL ENGINEER STATE OF NEVADA
TIMOTHY A. McCOY
Exp. 12/31/2017
CIVIL
No. 11511
4/25/17

SHEET
ST-8A
62 OF 74
DRAWING NO.
107V 5837-4

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SIGNING AND STRIPING NOTES

1. TYPE 4 LANE LINE (RPM) (USDCCA STD. DWG. NO. 244.1)
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E. EXISTING TO REMAIN

R. REMOVE AND SALVAGE SIGN(S)

NOTES:
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GRAPHIC SCALE
20 0 10 20 40
(IN FEET)

CALL BEFORE CONSTRUCTION

BEFORE YOU DIG	USA NORTH	811 OR 800-227-2600
BEFORE YOU UNDERGROUND	F.A.S.T.	702-432-5300
	CLARK COUNTY TRAFFIC OPERATIONS	702-455-7511
	CITY OF LAS VEGAS T.E.F.O.	702-229-6611
BEFORE YOU OVERHEAD	NV ENERGY	702-227-2929

NO.	DATE	REVISIONS

PREPARED BY
GCW ENGINEERS \ SURVEYORS
1555 S. RAINBOW BLVD.
LAS VEGAS, NV 89146
T: 702.804.2000
F: 702.804.2299
gcwengineering.com

PREPARED FOR
CITY OF LAS VEGAS

BID# 17-50168
H# 50168
DESIGNED BY: JFG
DRAWN BY: MVD
CHECKED BY: TAM
DATE: 4/25/17
SUBMITTAL STAGE: FINAL

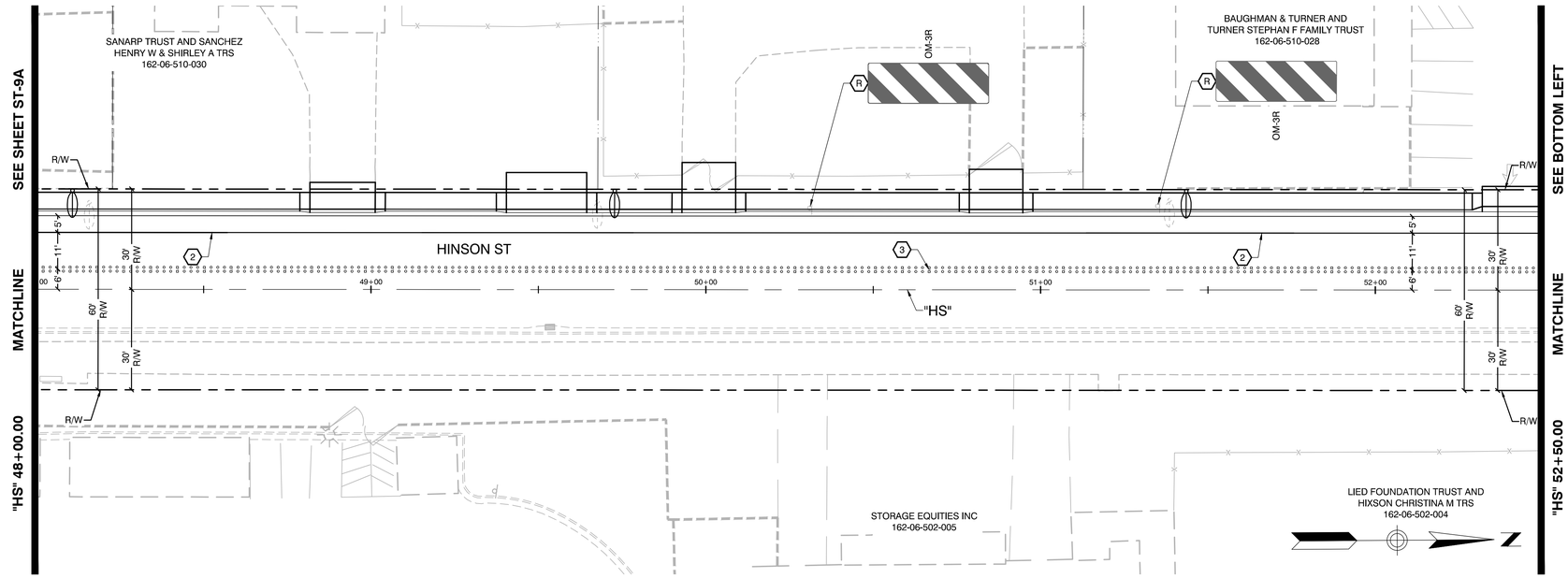
TITLE
SIDEWALK INFILL - ARVILLE STREET, VISTA DRIVE AND HINSON STREET

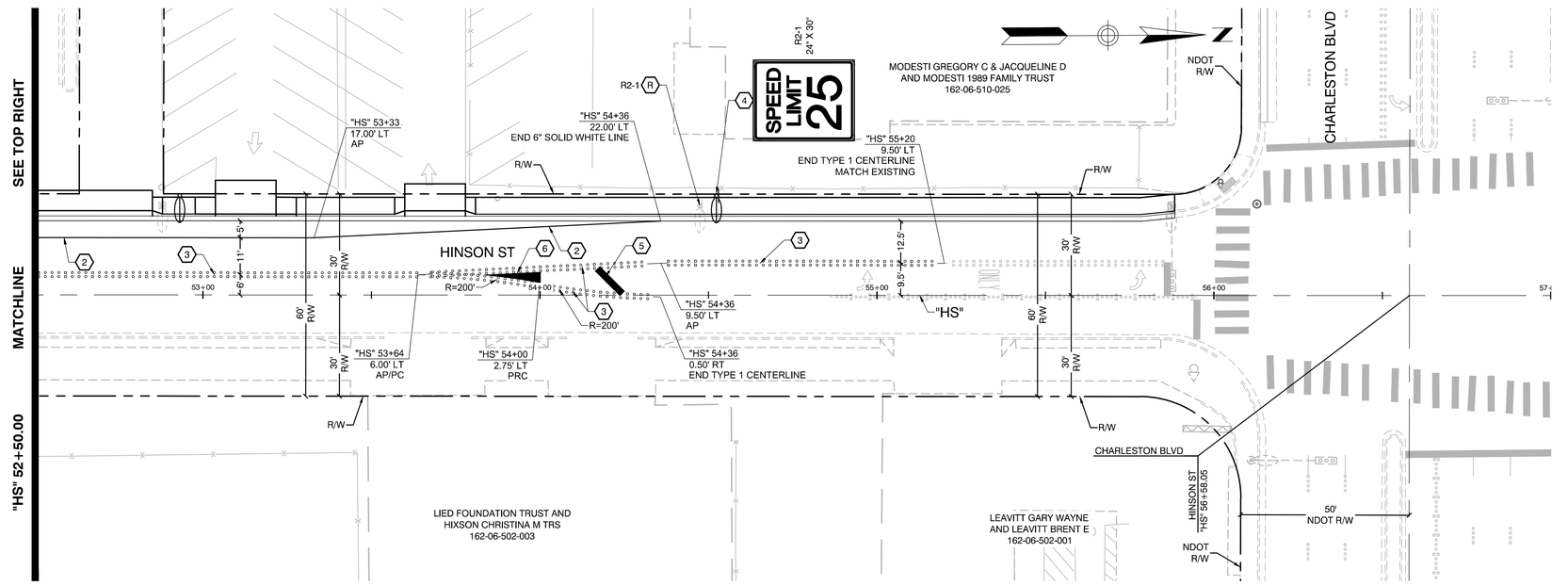
SHEET
SIGNING & STRIPING PLAN
"HS" 39+00 TO "HS" 48+00 (ADD/ALT)

PROFESSIONAL ENGINEER STATE OF NEVADA
TIMOTHY A. McCOY
Exp. 12/31/2017
CIVIL
No. 11511
4/25/17

SHEET
ST-9A
63 OF 74
DRAWING NO.
107V 5837-4

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SIGNING AND STRIPING NOTES

1. TYPE 4 LANE LINE (RPM) (USDCCA STD. DWG. NO. 244.1)
2. 6-INCH SOLID WHITE LINE (PPM)
3. TYPE 1 CENTERLINE (RPM) (USDCCA STD. DWG. NO. 244)
4. INSTALL NEW SIGN(S)
5. 24-INCH YELLOW DIAGONALS AT 25-FOOT O.C. (PMF TYPE 2)(USDCCA STD. DWG. NO. 245)
6. SOLID YELLOW TO 5-FT WIDTH (PMF TYPE 2)
7. PAINT MEDIAN ISLAND YELLOW AND INSTALL YELLOW MEDIAN NOSE MARKINGS (USDCCA STD. DWG. NO. 248)

E. EXISTING TO REMAIN

R. REMOVE AND SALVAGE SIGN(S)

NOTES:
1. SEE GENERAL NOTES ON SHEET G-1.
2. LANE DIMENSIONS ARE TO LIP OF GUTTER OR FACE OF MEDIAN CURB UNLESS OTHERWISE NOTED.
3. EXISTING MARKINGS IN CONFLICT WITH PROPOSED MARKINGS SHALL BE REMOVED BY METHODS APPROVED BY THE ENGINEER.
4. IF THE IMPROVEMENTS NECESSITATE THE OBLITERATION, TEMPORARY OBSTRUCTION, TEMPORARY REMOVAL OR RELOCATION OF ANY EXISTING TRAFFIC MARKINGS, SUCH MARKINGS SHALL BE RESTORED OR REPLACED WITH LIKE MATERIALS TO THE SATISFACTION OF THE ENGINEER.
5. EXISTING SIGNS NOT SHOWN SHALL REMAIN IN PLACE.
6. LOCATIONS OF NEW SIGNS SHALL BE ADJUSTED IN FIELD TO AVOID SIGHT OBSTRUCTION WITH EXISTING LANDSCAPING WITH APPROVAL OF THE ENGINEER.

GRAPHIC SCALE
20 0 10 20 40
(IN FEET)

CALL BEFORE CONSTRUCTION

BEFORE YOU DIG	USA NORTH	811 OR 800-227-2600
BEFORE YOU UNDERGROUND	F.A.S.T.	702-432-5300
	CLARK COUNTY TRAFFIC OPERATIONS	702-455-7511
	CITY OF LAS VEGAS T.E.F.O.	702-229-6611
BEFORE YOU OVERHEAD	NV ENERGY	702-227-2929

NO.	DATE	REVISIONS

PREPARED BY
GCW ENGINEERS \ SURVEYORS
1555 S. RAINBOW BLVD.
LAS VEGAS, NV 89146
T: 702.804.2000
F: 702.804.2299
gcwengineering.com

PREPARED FOR
CITY OF LAS VEGAS

BID# 17-50168
DESIGNED BY: JFG
DRAWN BY: MVD
CHECKED BY: TAM

H# 50168
DATE: 4/25/17
SUBMITTAL STAGE: FINAL

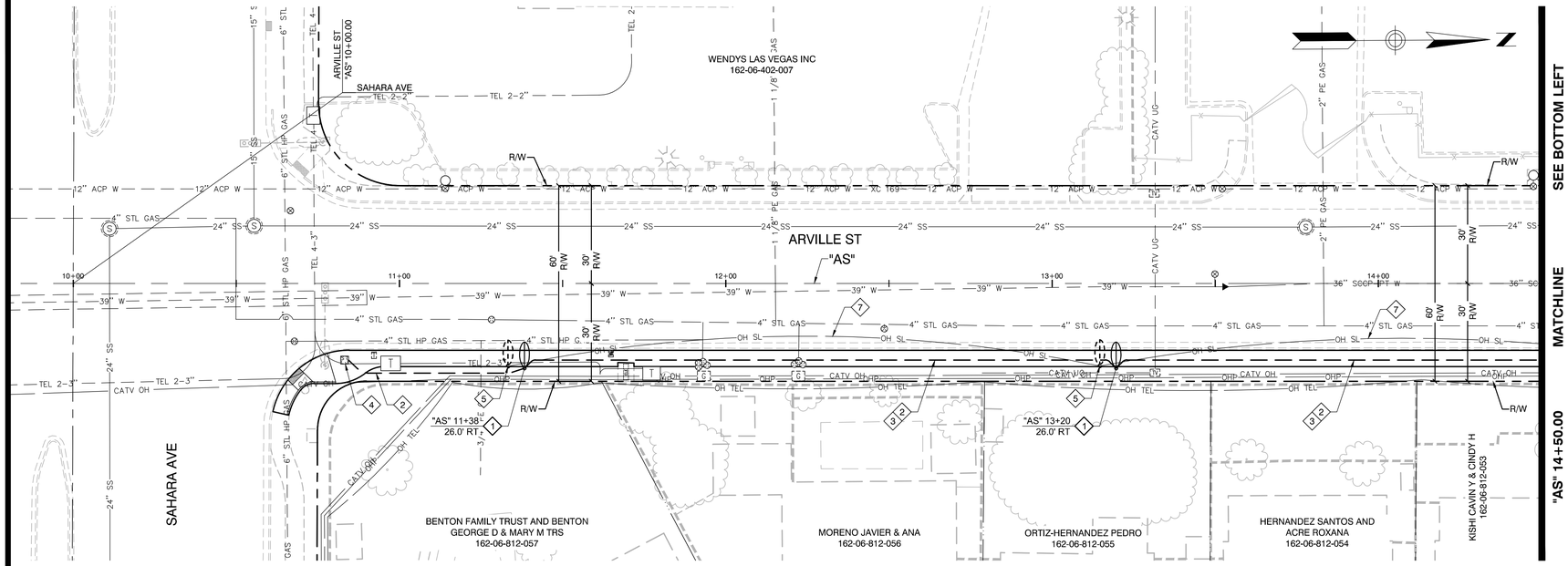
TITLE
SIDEWALK INFILL - ARVILLE STREET, VISTA DRIVE AND HINSON STREET

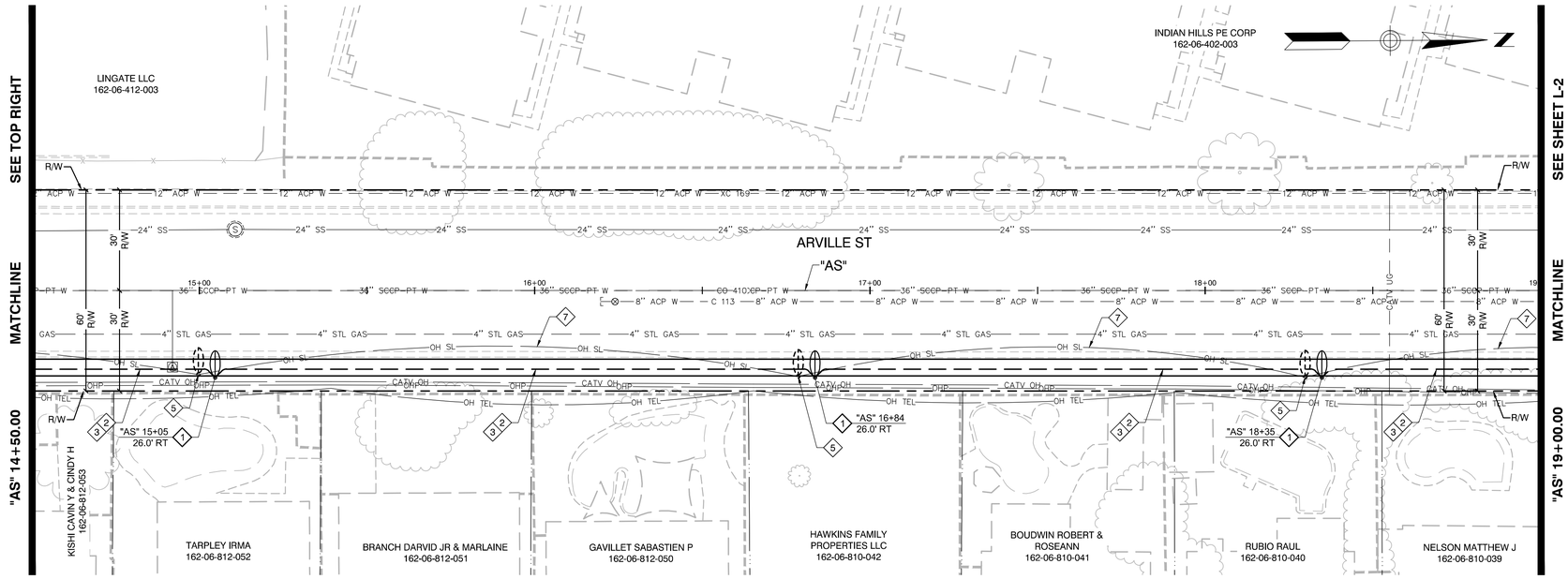
SHEET
SIGNING & STRIPING PLAN
"HS" 48+00 TO "HS" 56+58.05 (ADD/ALT)

TIMOTHY A. McCOY
Exp. 12/31/2017
PROFESSIONAL ENGINEER STATE OF NEVADA
No. 11511
CIVIL
4/25/17

SHEET
ST-10A
64 OF 74
DRAWING NO.
107V 5837-4

F:\Projects\40042-68\DWG\Production\08 A1_ST01-ST19.dwg, 5/15/2017 10:51:43 AM, jgutman





LIGHTING NOTES

1. INSTALL NEW COBRA HEAD LED STREETLIGHT ASSEMBLY ON NEW FOUNDATION (USDCCA STD. DWG. NO. 314, 320, 321)
2. INSTALL 1 1/4" PVC CONDUIT (STREET LIGHT)
3. INSTALL 2-#4, 1-#8 GROUND (STREET LIGHT)
4. INSTALL NO. 3 1/2 PULLBOX (STREET LIGHT) (USDCCA STD. DWG. NO. 326)
5. REMOVE AND SALVAGE EXISTING STREETLIGHT. REMOVE FOUNDATION TO 18 INCHES BELOW FINISHED GRADE
6. CONNECT NEW STREET LIGHT TO EXISTING OVERHEAD CIRCUIT. INSTALL NEW #6 ACSR OVERHEAD CONDUCTORS. MAINTAIN EXISTING OVERHEAD CIRCUIT.
7. REMOVE EXISTING OVERHEAD STREET LIGHT CONDUCTORS FROM EXISTING STREET
8. MODIFY EXISTING STREET LIGHT FOUNDATION FOR INSTALLATION OF NEW UNDERGROUND CONDUIT (USDCCA DWG NO. 321.1.S1)
9. CONNECT NEW STREET LIGHT TO EXISTING OVERHEAD CIRCUIT. DISCONNECT OVERHEAD CONDUCTORS TO EXISTING STREET LIGHT AND ROUTE TO NEW STREET LIGHT. MAINTAIN EXISTING OVERHEAD CIRCUIT.
10. REMOVE PULLBOX (STREET LIGHT)
11. MODIFY EXISTING STREET LIGHT FOUNDATION FOR INSTALLATION OF NEW UNDERGROUND CONDUIT. ROUTE CONDUCTORS (2-#4, 1-#8 GROUND COPPER THW-2) THROUGH EXISTING POLE AND FOUNDATION. MAINTAIN EXISTING OVERHEAD CIRCUIT. (USDCCA DWG NO. 321.1.S1)
12. ROUTE CONDUCTORS (2-#4, 1-#8 GROUND COPPER THW-2) THROUGH POLE AND FOUNDATION. CONNECT NEW STREET LIGHT TO EXISTING OVERHEAD CIRCUIT

NOTES:

1. ALL UNDERGROUND CONDUIT SHALL BE TYPE RNC (RIGID NONMETALLIC CONDUIT), SCHEDULE 40 PVC AND SHALL BE INSTALLED PER USDCCA STD. DWG. NO. 501. ABOVE GROUND CONDUIT SHALL BE TYPE RMC (RIGID METALLIC CONDUIT). CONDUIT RISERS SHALL BE TYPE RMC WITH PVC COATING OR TAPE WRAP. ALL EMPTY CONDUIT SHALL INCLUDE A NYLON PULLSTRING AND 1#8 FOR LOCATING PURPOSES.
2. PULL BOXES SHALL NOT BE INSTALLED IN SIDEWALK RAMPS OR DRIVEWAYS.
3. THE ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL ALL ELECTRICAL COMPONENTS AND HARDWARE AS REQUIRED BY THE NATIONAL ELECTRIC CODE, LATEST EDITION AND SHALL COMPLY WITH THE REQUIREMENTS OF THE CLV.
4. THE ELECTRICAL CONTRACTOR SHALL CONTACT NV ENERGY AT (702) 402-5555 TO COORDINATE THE DISCONNECT AND RECONNECTION OF THE RELOCATED SERVICE.

GRAPHIC SCALE
20 0 10 20 40
(IN FEET)

CALL BEFORE CONSTRUCTION

BEFORE YOU DIG	USA NORTH	811 OR 800-227-2600
BEFORE YOU UNDERGROUND	F.A.S.T.	702-432-5300
	CLARK COUNTY TRAFFIC OPERATIONS	702-455-7511
	CITY OF LAS VEGAS T.E.F.O.	702-229-6611
BEFORE YOU OVERHEAD	NV ENERGY	702-227-2929

NO.	DATE	REVISIONS

PREPARED BY
GCW ENGINEERS\SURVEYORS
1555 S. RAINBOW BLVD.
LAS VEGAS, NV 89146
T: 702.804.2000
F: 702.804.2299
gcwengineering.com

PREPARED FOR
CITY OF LAS VEGAS

BID# 17.50168
DESIGNED BY: JFG
DRAWN BY: MVD
CHECKED BY: TAM

H# 50168
DATE: 4/25/17
SUBMITTAL STAGE: FINAL

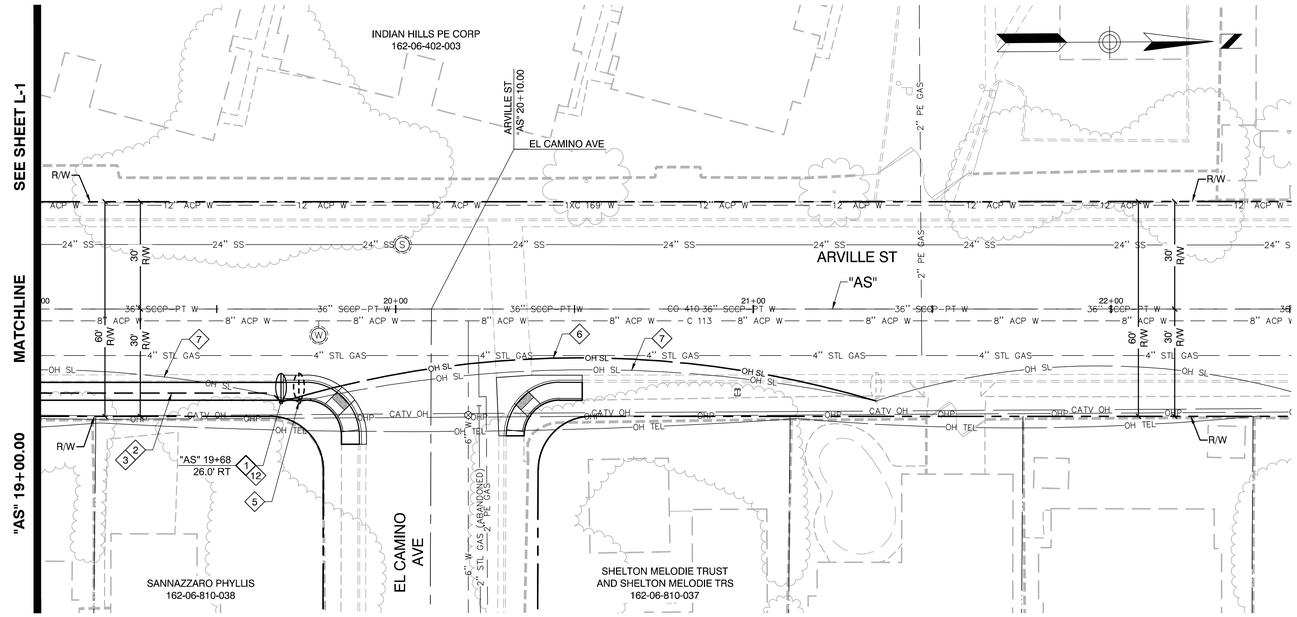
TITLE
SIDEWALK INFILL - ARVILLE STREET, VISTA DRIVE AND HINSON STREET

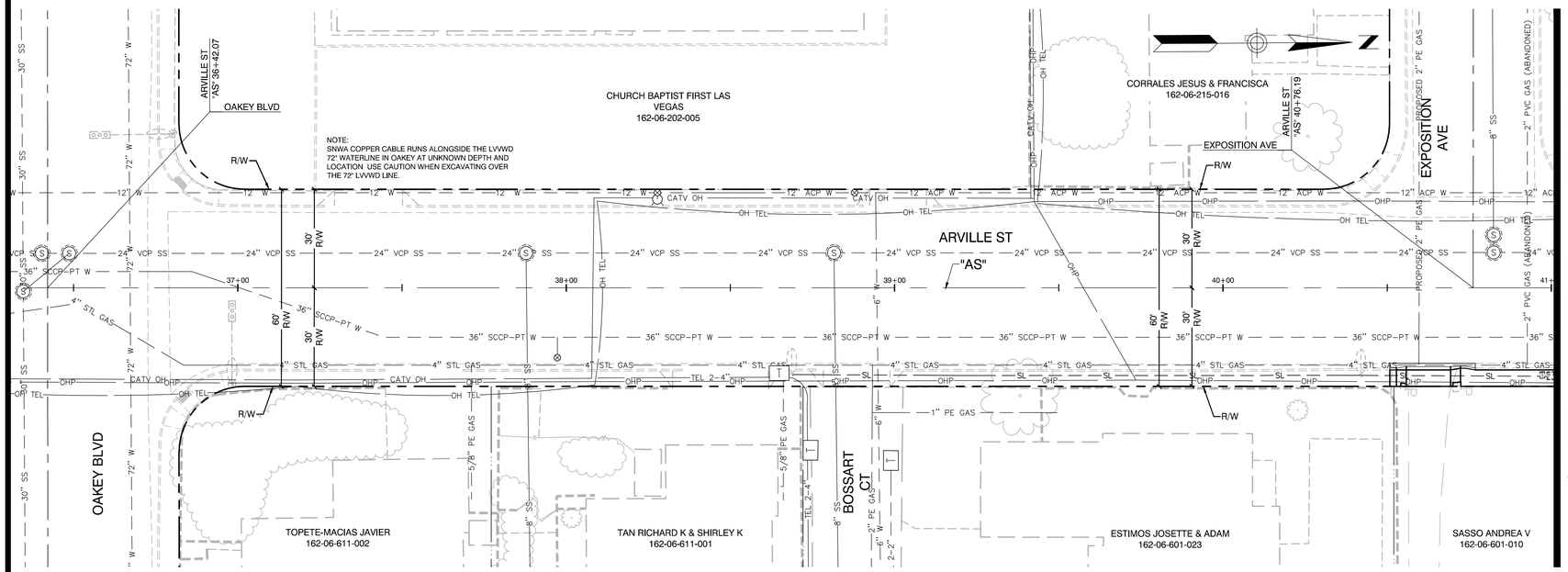
SHEET
LIGHTING PLAN
"AS" 10+00 TO "AS" 19+00

PROFESSIONAL ENGINEER STATE OF NEVADA
TIMOTHY A. McCOY
Exp. 12/31/2017
No. 11511
CIVIL
4/25/17

SHEET
L-1
65 OF 74
DRAWING NO.
107V 5837-4

F:\Projects\400\412-SIS\CIVIL\Production\09 A1_L01_L10.dwg, 5/15/2017 10:52:15 AM, jguzman





LIGHTING NOTES

1. INSTALL NEW COBRA HEAD LED STREETLIGHT ASSEMBLY ON NEW FOUNDATION (USDCCA STD. DWG. NO. 314, 320, 321)
2. INSTALL 1 1/4" PVC CONDUIT (STREET LIGHT)
3. INSTALL 2-#4, 1-#8 GROUND (STREET LIGHT)
4. INSTALL NO. 3 1/2 PULLBOX (STREET LIGHT) (USDCCA STD. DWG. NO. 326)
5. REMOVE AND SALVAGE EXISTING STREETLIGHT. REMOVE FOUNDATION TO 18 INCHES BELOW FINISHED GRADE
6. CONNECT NEW STREET LIGHT TO EXISTING OVERHEAD CIRCUIT. INSTALL NEW #6 ACSR OVERHEAD CONDUCTORS. MAINTAIN EXISTING OVERHEAD CIRCUIT.
7. REMOVE EXISTING OVERHEAD STREET LIGHT CONDUCTORS FROM EXISTING STREET
8. MODIFY EXISTING STREET LIGHT FOUNDATION FOR INSTALLATION OF NEW UNDERGROUND CONDUIT (USDCCA DWG NO. 321.1.S1)
9. CONNECT NEW STREET LIGHT TO EXISTING OVERHEAD CIRCUIT. DISCONNECT OVERHEAD CONDUCTORS TO EXISTING STREET LIGHT AND ROUTE TO NEW STREET LIGHT. MAINTAIN EXISTING OVERHEAD CIRCUIT.
10. REMOVE PULLBOX (STREET LIGHT)
11. MODIFY EXISTING STREET LIGHT FOUNDATION FOR INSTALLATION OF NEW UNDERGROUND CONDUIT. ROUTE CONDUCTORS (2-#4, 1-#8 GROUND COPPER THW-2) THROUGH EXISTING POLE AND FOUNDATION. MAINTAIN EXISTING OVERHEAD CIRCUIT. (USDCCA DWG NO. 321.1.S1)
12. ROUTE CONDUCTORS (2-#4, 1-#8 GROUND COPPER THW-2) THROUGH POLE AND FOUNDATION. CONNECT NEW STREET LIGHT TO EXISTING OVERHEAD CIRCUIT

NOTES:

1. ALL UNDERGROUND CONDUIT SHALL BE TYPE RNC (RIGID NONMETALLIC CONDUIT), SCHEDULE 40 PVC AND SHALL BE INSTALLED PER USDCCA STD. DWG. NO. 501. ABOVE GROUND CONDUIT SHALL BE TYPE RMC (RIGID METALLIC CONDUIT). CONDUIT RISERS SHALL BE TYPE RMC WITH PVC COATING OR TAPE WRAP. ALL EMPTY CONDUIT SHALL INCLUDE A NYLON PULLSTRING AND 1-#8 FOR LOCATING PURPOSES.
2. PULL BOXES SHALL NOT BE INSTALLED IN SIDEWALK RAMPS OR DRIVEWAYS.
3. THE ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL ALL ELECTRICAL COMPONENTS AND HARDWARE AS REQUIRED BY THE NATIONAL ELECTRIC CODE, LATEST EDITION AND SHALL COMPLY WITH THE REQUIREMENTS OF THE CLV.
4. THE ELECTRICAL CONTRACTOR SHALL CONTACT NV ENERGY AT (702) 402-5555 TO COORDINATE THE DISCONNECT AND RECONNECTION OF THE RELOCATED SERVICE.

SNWA CONSTRUCTION NOTES:
CONTRACTOR SHALL FIELD LOCATE AND PROTECT ALL SNWA/SNWS APPURTENANCES INCLUDING BUT NOT LIMITED TO : AV/ARS, ACCESS MANWAYS AND CATHODIC PROTECTION SYSTEMS. ALL ABOVE GROUND STRUCTURES AND GRADE STRUCTURES MUST BE ADJUSTED TO NEW GRADE AT CONTRACTORS EXPENSE. CATHODIC PROTECTION TEST STATIONS, RECTIFIERS AND AV/ARS MUST BE RELOCATED TO THE SIDEWALK PER SNWA STANDARD AND AT THE CONTRACTORS EXPENSE. CONTRACTOR TO NOTIFY SOUTHERN NEVADA WATER AUTHORITY, DEVELOPMENT PLAN REVIEW, AT (702)691-5372 AT LEAST 48 HOURS PRIOR TO CONSTRUCTION ACTIVITY.

APPROVED FOR CONSTRUCTION

SIGNED BY MIKE DISHARI ON 4/19/17 (SEE ORIGINAL MYLAR)

SOUTHERN NEVADA WATER AUTHORITY

DATE: DPR# 2015-0122

SNWA APPROVAL IS VALID 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.

GRAPHIC SCALE
20 0 10 20 40
(IN FEET)

CALL BEFORE CONSTRUCTION

BEFORE YOU DIG	USA NORTH	811 OR 800-227-2600
BEFORE YOU UNDERGROUND	F.A.S.T.	702-432-5300
	CLARK COUNTY TRAFFIC OPERATIONS	702-455-7511
	CITY OF LAS VEGAS T.E.F.O.	702-229-6611
BEFORE YOU OVERHEAD	NV ENERGY	702-227-2929

REVISIONS

NO.	DATE

PREPARED BY
GCW ENGINEERS \ SURVEYORS
1555 S. RAINBOW BLVD.
LAS VEGAS, NV 89146
T: 702.804.2000
F: 702.804.2299
gcwengineering.com

PREPARED FOR
CITY OF LAS VEGAS

BID# 17-50168 | DESIGNED BY: JFG
H# 50168 | DRAWN BY: MVD
DATE: 4/25/17 | CHECKED BY: TAM
SUBMITTAL STAGE: FINAL

TITLE
SIDEWALK INFILL - ARVILLE STREET, VISTA DRIVE AND HINSON STREET

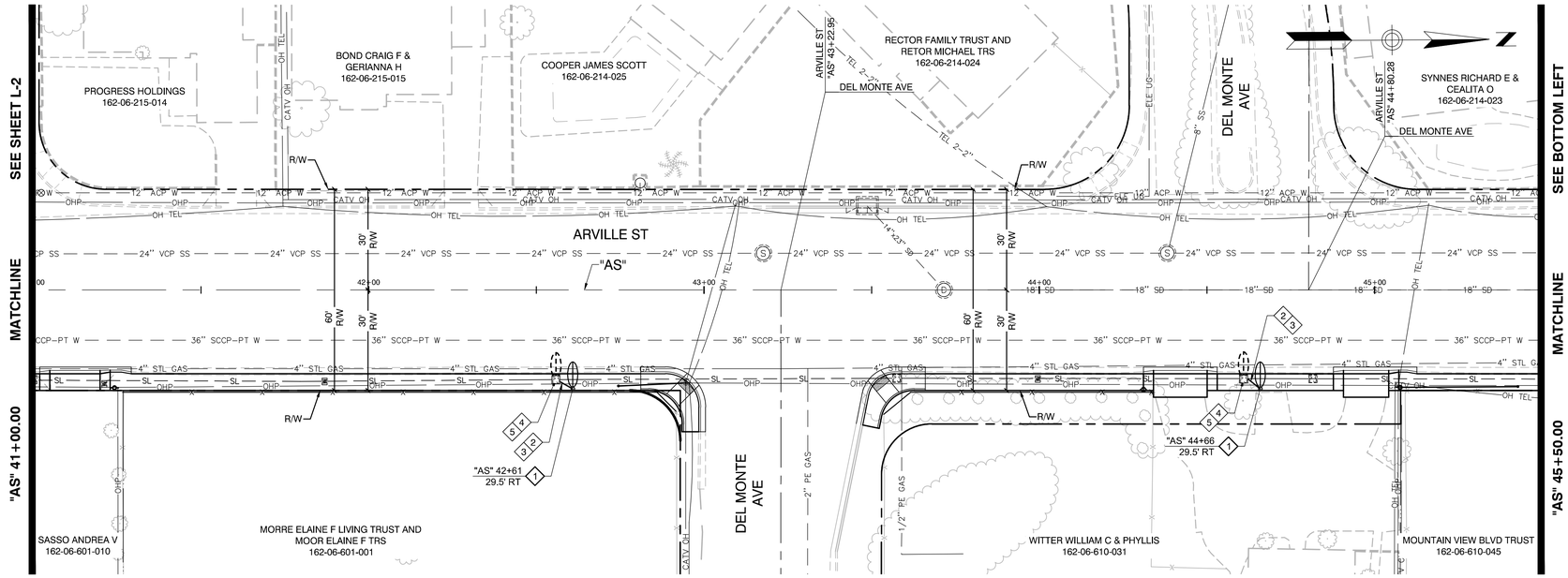
SHEET
LIGHTING PLAN
"AS" 19+00 TO "AS" 41+00

SNWA DPR# 2015-0122 (APPROVED)

PROFESSIONAL ENGINEER STATE OF NEVADA
TIMOTHY A. McCOY
Exp. 12/31/2017
No. 11511
CIVIL
4/25/17

SHEET
L-2
66 OF 74
DRAWING NO.
107V 5837-4

F:\Projects\400412-606\DWG\Production\09 A1_L01_L10.dwg, 5/15/2017 10:52:22 AM, jguzman



LIGHTING NOTES

1. INSTALL NEW COBRA HEAD LED STREETLIGHT ASSEMBLY ON NEW FOUNDATION (USDCCA STD. DWG. NO. 314, 320, 321)
2. INSTALL 1 1/4" PVC CONDUIT (STREET LIGHT)
3. INSTALL 2-#4, 1-#8 GROUND (STREET LIGHT)
4. INSTALL NO. 3 1/2 PULLBOX (STREET LIGHT) (USDCCA STD. DWG. NO. 326)
5. REMOVE AND SALVAGE EXISTING STREETLIGHT. REMOVE FOUNDATION TO 18 INCHES BELOW FINISHED GRADE
6. CONNECT NEW STREET LIGHT TO EXISTING OVERHEAD CIRCUIT. INSTALL NEW #6 ACSR OVERHEAD CONDUCTORS. MAINTAIN EXISTING OVERHEAD CIRCUIT.
7. REMOVE EXISTING OVERHEAD STREET LIGHT CONDUCTORS FROM EXISTING STREET
8. MODIFY EXISTING STREET LIGHT FOUNDATION FOR INSTALLATION OF NEW UNDERGROUND CONDUIT (USDCCA DWG NO. 321.1.S1)
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12. ROUTE CONDUCTORS (2-#4, 1-#8 GROUND COPPER THW-2) THROUGH POLE AND FOUNDATION. CONNECT NEW STREET LIGHT TO EXISTING OVERHEAD CIRCUIT

NOTES:

1. ALL UNDERGROUND CONDUIT SHALL BE TYPE RNC (RIGID NONMETALLIC CONDUIT), SCHEDULE 40 PVC AND SHALL BE INSTALLED PER USDCCA STD. DWG. NO. 501. ABOVE GROUND CONDUIT SHALL BE TYPE RMC (RIGID METALLIC CONDUIT). CONDUIT RISERS SHALL BE TYPE RMC WITH PVC COATING OR TAPE WRAP. ALL EMPTY CONDUIT SHALL INCLUDE A NYLON PULLSTRING AND 1#8 FOR LOCATING PURPOSES.
2. PULL BOXES SHALL NOT BE INSTALLED IN SIDEWALK RAMPS OR DRIVEWAYS.
3. THE ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL ALL ELECTRICAL COMPONENTS AND HARDWARE AS REQUIRED BY THE NATIONAL ELECTRIC CODE, LATEST EDITION AND SHALL COMPLY WITH THE REQUIREMENTS OF THE CLV.
4. THE ELECTRICAL CONTRACTOR SHALL CONTACT NV ENERGY AT (702) 402-5555 TO COORDINATE THE DISCONNECT AND RECONNECTION OF THE RELOCATED SERVICE.

GRAPHIC SCALE
20 0 10 20 40
(IN FEET)

CALL BEFORE CONSTRUCTION

BEFORE YOU DIG	USA NORTH	811 OR 800-227-2600
BEFORE YOU UNDERGROUND	F.A.S.T.	702-432-5300
	CLARK COUNTY TRAFFIC OPERATIONS	702-455-7511
	CITY OF LAS VEGAS T.E.F.O.	702-229-6611
BEFORE YOU OVERHEAD	NV ENERGY	702-227-2929

NO.	DATE	REVISIONS

PREPARED BY
GCW ENGINEERS\SURVEYORS
1555 S. RAINBOW BLVD.
LAS VEGAS, NV 89146
T: 702.804.2000
F: 702.804.2299
gcwengineering.com

PREPARED FOR
CITY OF LAS VEGAS

BID# 17-50168
H# 50168
DESIGNED BY: JFG
DRAWN BY: MVD
CHECKED BY: TAM
DATE: 4/25/17
SUBMITTAL STAGE: FINAL

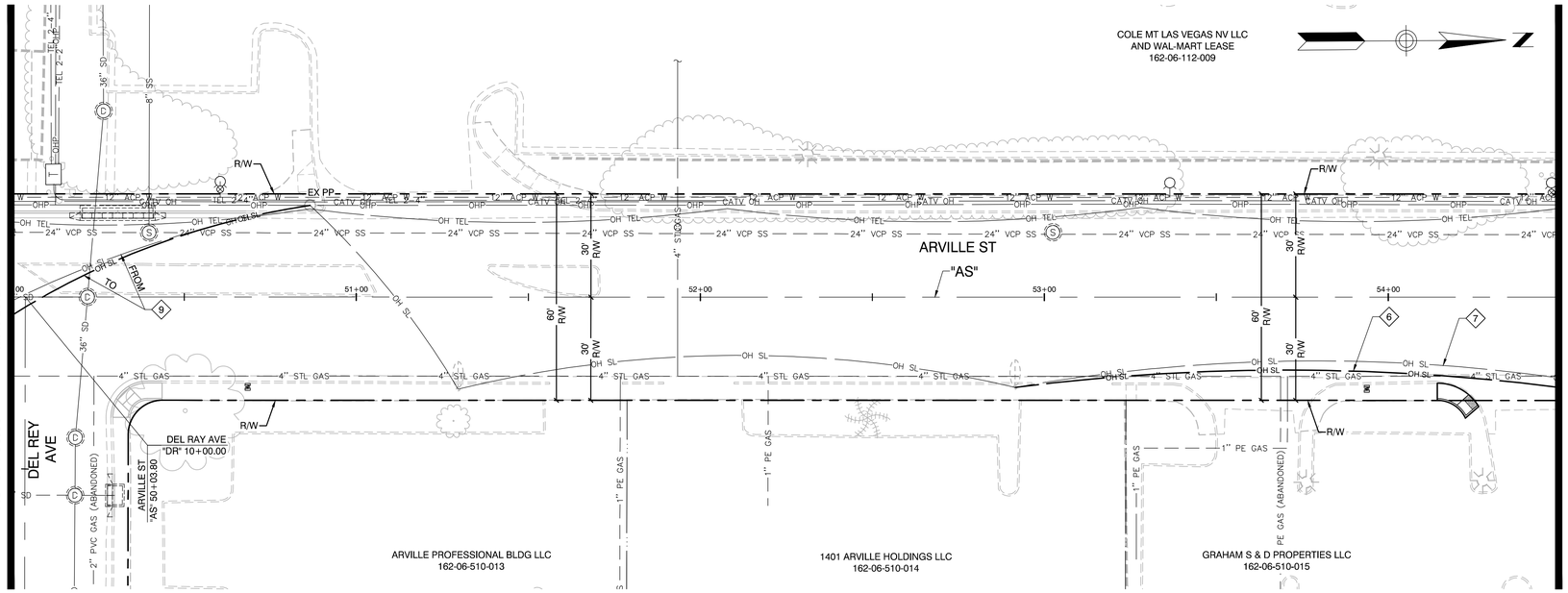
TITLE
SIDEWALK INFILL - ARVILLE STREET, VISTA DRIVE AND HINSON STREET

SHEET
LIGHTING PLAN
"AS" 41+00 TO "AS" 50+00

PROFESSIONAL ENGINEER STATE OF NEVADA
TIMOTHY A. McCOY
Exp. 12/31/2017
No. 11511
CIVIL
4/25/17

SHEET
L-3
67 OF 74
DRAWING NO.
107V 5837-4

F:\Projects\40\412-68\DWG\Production\09 A1_L01_L10.dwg, 5/15/2017 10:52:29 AM, jguzman



LIGHTING NOTES

1. INSTALL NEW COBRA HEAD LED STREETLIGHT ASSEMBLY ON NEW FOUNDATION (USDCCA STD. DWG. NO. 314, 320, 321)
2. INSTALL 1 1/4" PVC CONDUIT (STREET LIGHT)
3. INSTALL 2-#4, 1-#8 GROUND (STREET LIGHT)
4. INSTALL NO. 3 1/2 PULLBOX (STREET LIGHT) (USDCCA STD. DWG. NO. 326)
5. REMOVE AND SALVAGE EXISTING STREETLIGHT. REMOVE FOUNDATION TO 18 INCHES BELOW FINISHED GRADE
6. CONNECT NEW STREET LIGHT TO EXISTING OVERHEAD CIRCUIT. INSTALL NEW #6 ACSR OVERHEAD CONDUCTORS. MAINTAIN EXISTING OVERHEAD CIRCUIT.
7. REMOVE EXISTING OVERHEAD STREET LIGHT CONDUCTORS FROM EXISTING STREET
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NOTES:

1. ALL UNDERGROUND CONDUIT SHALL BE TYPE RNC (RIGID NONMETALLIC CONDUIT), SCHEDULE 40 PVC AND SHALL BE INSTALLED PER USDCCA STD. DWG. NO. 501. ABOVE GROUND CONDUIT SHALL BE TYPE RMC (RIGID METALLIC CONDUIT). CONDUIT RISERS SHALL BE TYPE RMC WITH PVC COATING OR TAPE WRAP. ALL EMPTY CONDUIT SHALL INCLUDE A NYLON PULLSTRING AND 1#8 FOR LOCATING PURPOSES.
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4. THE ELECTRICAL CONTRACTOR SHALL CONTACT NV ENERGY AT (702) 402-5555 TO COORDINATE THE DISCONNECT AND RECONNECTION OF THE RELOCATED SERVICE.

GRAPHIC SCALE
20 0 10 20 40
(IN FEET)

CALL BEFORE CONSTRUCTION

BEFORE YOU DIG	USA NORTH	811 OR 800-227-2600
BEFORE YOU UNDERGROUND	F.A.S.T.	702-432-5300
	CLARK COUNTY TRAFFIC OPERATIONS	702-455-7511
	CITY OF LAS VEGAS T.E.F.O.	702-229-6611
BEFORE YOU OVERHEAD	NV ENERGY	702-227-2929

NO.	DATE	REVISIONS

PREPARED BY
GCW ENGINEERS \ SURVEYORS
1555 S. RAINBOW BLVD.
LAS VEGAS, NV 89146
T: 702.804.2000
F: 702.804.2259
gcwengineering.com

PREPARED FOR
CITY OF LAS VEGAS

BID# 17-50168
H# 50168
DESIGNED BY: JFG
DRAWN BY: MVD
CHECKED BY: TAM
DATE: 4/25/17
SUBMITTAL STAGE: FINAL

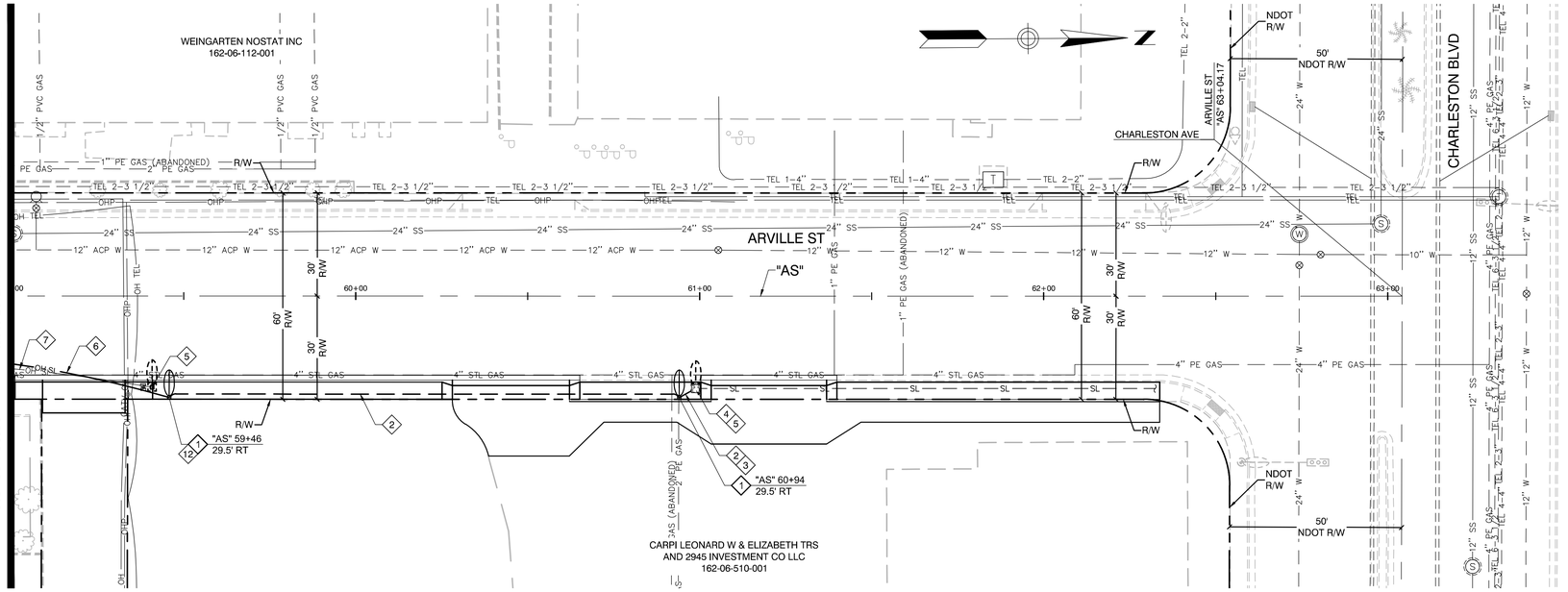
TITLE
SIDEWALK INFILL - ARVILLE STREET, VISTA DRIVE AND HINSON STREET

SHEET
LIGHTING PLAN
"AS" 50+00 TO "AS" 59+00

TIMOTHY A. McCOY
Exp. 12/31/2017
CIVIL
No. 11511
STATE OF NEVADA
PROFESSIONAL ENGINEER
4/25/17

SHEET
L-4
68 OF 74
DRAWING NO.
107V 5837-4

F:\Projects\40042-68\DWG\Production\09 A1_L01_L10.dwg, 5/15/2017 10:52:36 AM, jguzman



LIGHTING NOTES

1. INSTALL NEW COBRA HEAD LED STREETLIGHT ASSEMBLY ON NEW FOUNDATION (USDCCA STD. DWG. NO. 314, 320, 321)
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12. ROUTE CONDUCTORS (2-#4, 1-#8 GROUND COPPER THW-2) THROUGH POLE AND FOUNDATION. CONNECT NEW STREET LIGHT TO EXISTING OVERHEAD CIRCUIT

NOTES:

1. ALL UNDERGROUND CONDUIT SHALL BE TYPE RNC (RIGID NONMETALLIC CONDUIT), SCHEDULE 40 PVC AND SHALL BE INSTALLED PER USDCCA STD. DWG. NO. 501. ABOVE GROUND CONDUIT SHALL BE TYPE RMC (RIGID METALLIC CONDUIT). CONDUIT RISERS SHALL BE TYPE RMC WITH PVC COATING OR TAPE WRAP. ALL EMPTY CONDUIT SHALL INCLUDE A NYLON PULLSTRING AND 1/#8 FOR LOCATING PURPOSES.
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GRAPHIC SCALE
20 0 10 20 40
(IN FEET)

CALL BEFORE CONSTRUCTION

BEFORE YOU DIG	USA NORTH	811 OR 800-227-2600
BEFORE YOU UNDERGROUND	F.A.S.T.	702-432-5300
	CLARK COUNTY TRAFFIC OPERATIONS	702-455-7511
	CITY OF LAS VEGAS T.E.F.O.	702-229-6611
BEFORE YOU OVERHEAD	NV ENERGY	702-227-2929

NO.	DATE	REVISIONS

PREPARED BY
GCW ENGINEERS \ SURVEYORS
1555 S. RAINBOW BLVD.
LAS VEGAS, NV 89146
T: 702.804.2000
F: 702.804.2299
gcwengineering.com

PREPARED FOR
CITY OF LAS VEGAS

H# 50168	BID# 17-50168	DESIGNED BY: JFG	
DATE: 4/25/17		DRAWN BY: MVD	
SUBMITTAL STAGE: FINAL		CHECKED BY: TAM	

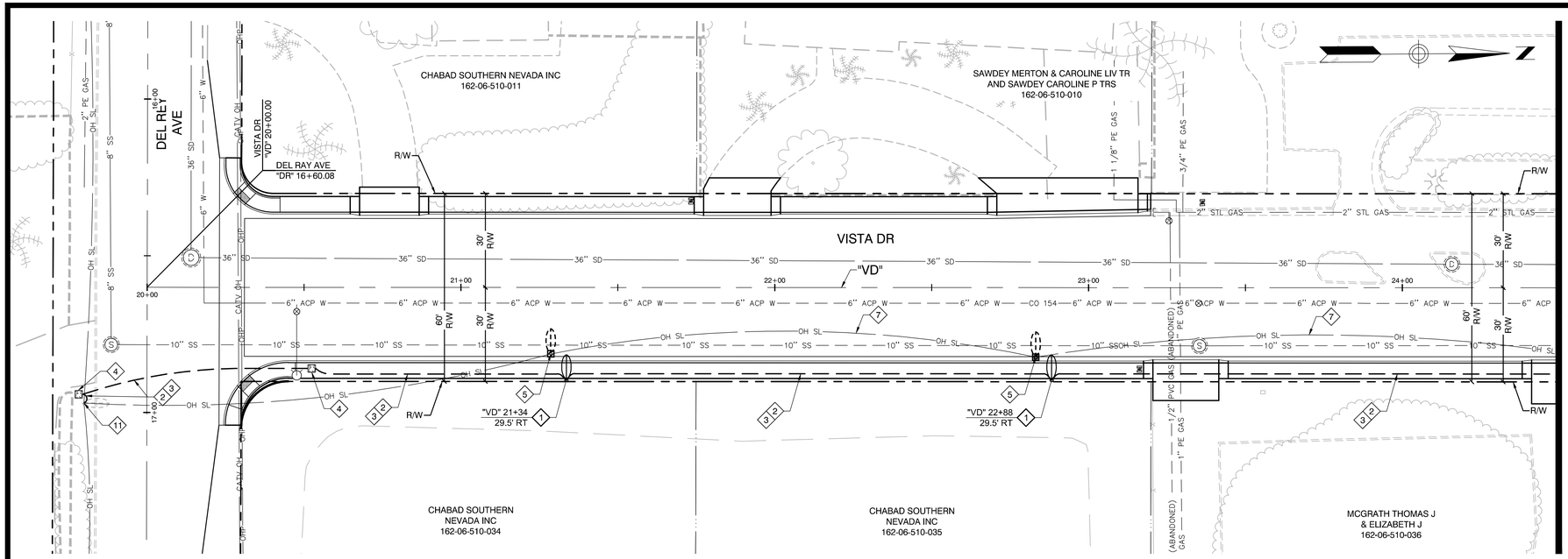
TITLE
SIDEWALK INFILL - ARVILLE STREET, VISTA DRIVE AND HINSON STREET

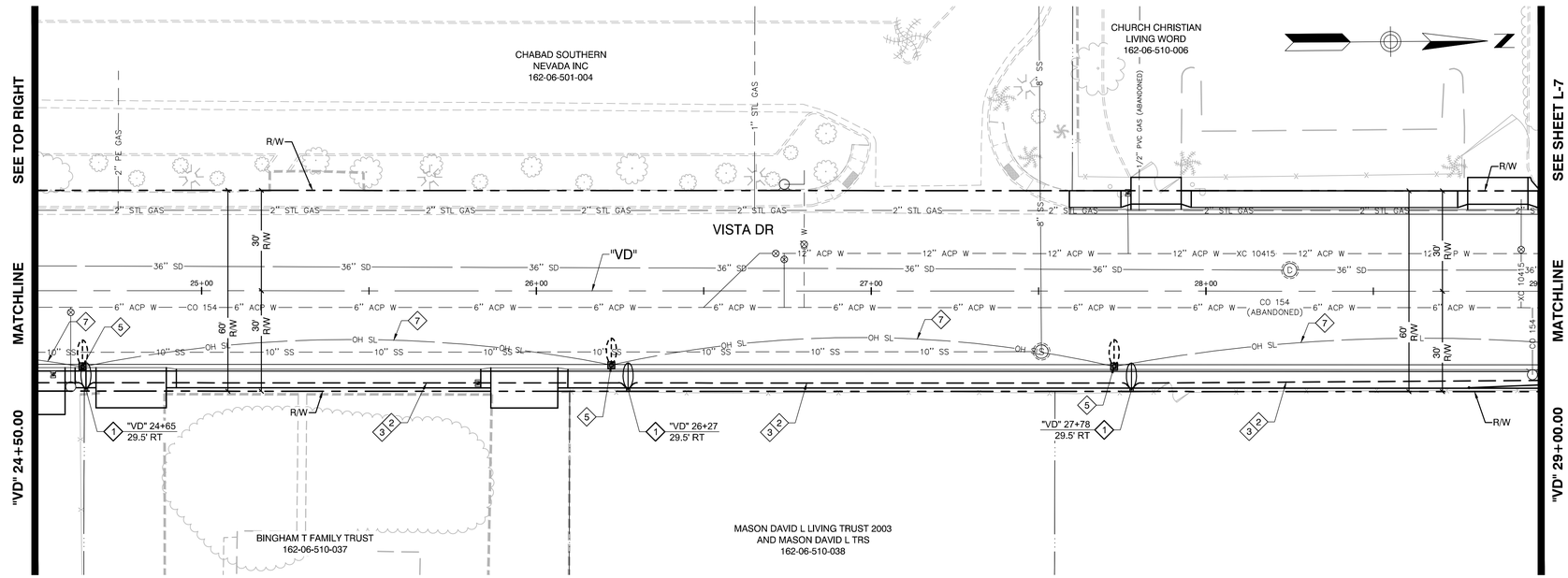
SHEET
LIGHTING PLAN
"AS" 59+00 TO "AS" 63+04.17

PROFESSIONAL ENGINEER - STATE OF NEVADA
TIMOTHY A. McCOY
Exp. 12/31/2017
CIVIL
No. 11511
4/25/17

SHEET
L-5
69 OF 74
DRAWING NO.
107V 5837-4

F:\Projects\450413.666\GWG\Production\09-M4_L01-L10.dwg, 5/15/2017 10:52:43 AM, jgutman





LIGHTING NOTES

1. INSTALL NEW COBRA HEAD LED STREETLIGHT ASSEMBLY ON NEW FOUNDATION (USDCCA STD. DWG. NO. 314, 320, 321)
2. INSTALL 1 1/4" PVC CONDUIT (STREET LIGHT)
3. INSTALL 2-#4, 1-#8 GROUND (STREET LIGHT)
4. INSTALL NO. 3 1/2 PULLBOX (STREET LIGHT) (USDCCA STD. DWG. NO. 326)
5. REMOVE AND SALVAGE EXISTING STREETLIGHT. REMOVE FOUNDATION TO 18 INCHES BELOW FINISHED GRADE
6. CONNECT NEW STREET LIGHT TO EXISTING OVERHEAD CIRCUIT. INSTALL NEW #6 ACSR OVERHEAD CONDUCTORS. MAINTAIN EXISTING OVERHEAD CIRCUIT.
7. REMOVE EXISTING OVERHEAD STREET LIGHT CONDUCTORS FROM EXISTING STREET
8. MODIFY EXISTING STREET LIGHT FOUNDATION FOR INSTALLATION OF NEW UNDERGROUND CONDUIT (USDCCA DWG NO. 321.1.S1)
9. CONNECT NEW STREET LIGHT TO EXISTING OVERHEAD CIRCUIT. DISCONNECT OVERHEAD CONDUCTORS TO EXISTING STREET LIGHT AND ROUTE TO NEW STREET LIGHT. MAINTAIN EXISTING OVERHEAD CIRCUIT.
10. REMOVE PULLBOX (STREET LIGHT)
11. MODIFY EXISTING STREET LIGHT FOUNDATION FOR INSTALLATION OF NEW UNDERGROUND CONDUIT. ROUTE CONDUCTORS (2-#4, 1-#8 GROUND COPPER THW-2) THROUGH EXISTING POLE AND FOUNDATION. MAINTAIN EXISTING OVERHEAD CIRCUIT. (USDCCA DWG NO. 321.1.S1)
12. ROUTE CONDUCTORS (2-#4, 1-#8 GROUND COPPER THW-2) THROUGH POLE AND FOUNDATION. CONNECT NEW STREET LIGHT TO EXISTING OVERHEAD CIRCUIT

NOTES:

1. ALL UNDERGROUND CONDUIT SHALL BE TYPE RNC (RIGID NONMETALLIC CONDUIT), SCHEDULE 40 PVC AND SHALL BE INSTALLED PER USDCCA STD. DWG. NO. 501. ABOVE GROUND CONDUIT SHALL BE TYPE RMC (RIGID METALLIC CONDUIT). CONDUIT RISERS SHALL BE TYPE RMC WITH PVC COATING OR TAPE WRAP. ALL EMPTY CONDUIT SHALL INCLUDE A NYLON PULLSTRING AND 1#8 FOR LOCATING PURPOSES.
2. PULL BOXES SHALL NOT BE INSTALLED IN SIDEWALK RAMPS OR DRIVEWAYS.
3. THE ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL ALL ELECTRICAL COMPONENTS AND HARDWARE AS REQUIRED BY THE NATIONAL ELECTRIC CODE, LATEST EDITION AND SHALL COMPLY WITH THE REQUIREMENTS OF THE CLV.
4. THE ELECTRICAL CONTRACTOR SHALL CONTACT NV ENERGY AT (702) 402-5555 TO COORDINATE THE DISCONNECT AND RECONNECTION OF THE RELOCATED SERVICE.

GRAPHIC SCALE
20 0 10 20 40
(IN FEET)

CALL BEFORE CONSTRUCTION

BEFORE YOU DIG	USA NORTH	811 OR 800-227-2600
BEFORE YOU UNDERGROUND	F.A.S.T.	702-432-5300
	CLARK COUNTY TRAFFIC OPERATIONS	702-455-7511
	CITY OF LAS VEGAS T.E.F.O.	702-229-6611
BEFORE YOU OVERHEAD	NV ENERGY	702-227-2929

NO.	DATE	REVISIONS

PREPARED BY
GCW
1555 S. RAINBOW BLVD.
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F: 702.804.2299
ENGINEERS \ SURVEYORS
gcwengineering.com

PREPARED FOR
CITY OF LAS VEGAS

BID# 17-50168
DESIGNED BY: JFG
DRAWN BY: MVD
CHECKED BY: TAM

H# 50168
DATE: 4/25/17
SUBMITTAL STAGE: FINAL

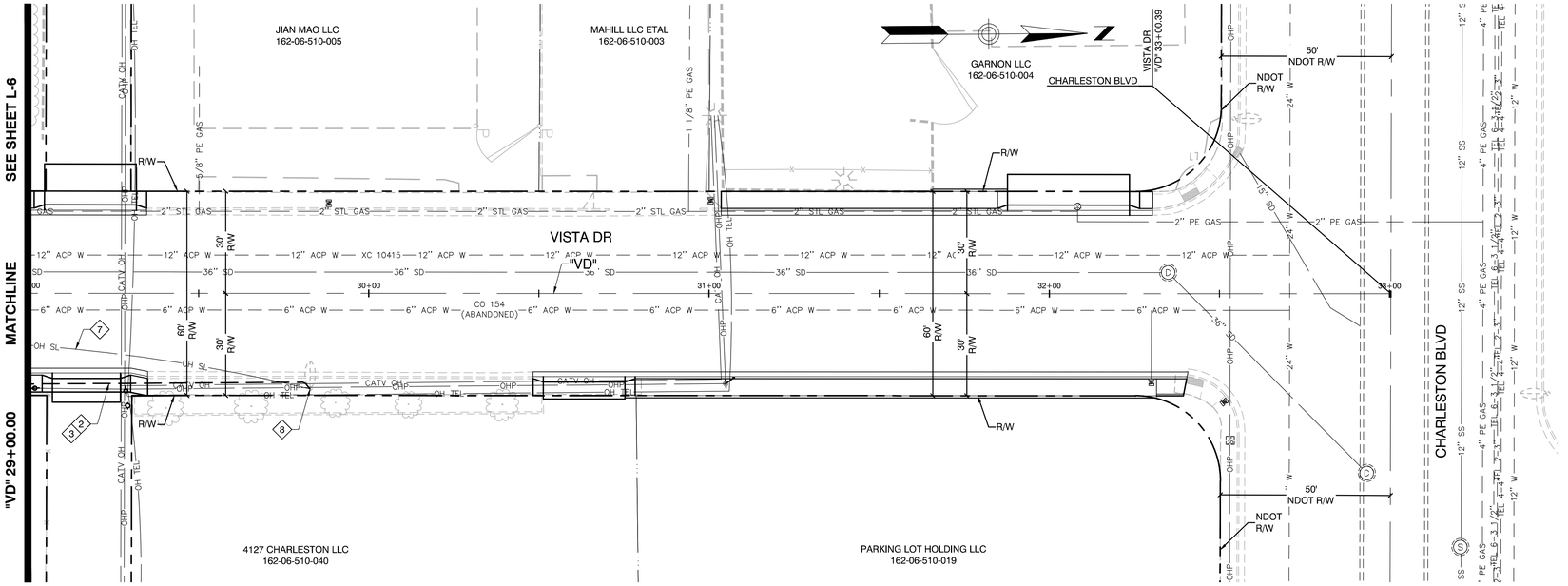
TITLE
SIDEWALK INFILL - ARVILLE STREET, VISTA DRIVE AND HINSON STREET

SHEET
LIGHTING PLAN
"VD" 20+00 TO "VD" 29+00

PROFESSIONAL ENGINEER STATE OF NEVADA
TIMOTHY A. McCOY
Exp. 12/31/2017
No. 11511
CIVIL
4/25/17

SHEET
L-6
70 OF 74
DRAWING NO.
107V 5837-4

F:\Projects\40042-656\DWG\Production\09 A1_L01_L10.dwg, 5/15/2017 10:52:48 AM, jguzman



LIGHTING NOTES

1. INSTALL NEW COBRA HEAD LED STREETLIGHT ASSEMBLY ON NEW FOUNDATION (USDCCA STD. DWG. NO. 314, 320, 321)
2. INSTALL 1 1/4" PVC CONDUIT (STREET LIGHT)
3. INSTALL 2-#4, 1-#8 GROUND (STREET LIGHT)
4. INSTALL NO. 3 1/2 PULLBOX (STREET LIGHT) (USDCCA STD. DWG. NO. 326)
5. REMOVE AND SALVAGE EXISTING STREETLIGHT. REMOVE FOUNDATION TO 18 INCHES BELOW FINISHED GRADE
6. CONNECT NEW STREET LIGHT TO EXISTING OVERHEAD CIRCUIT. INSTALL NEW #6 ACSR OVERHEAD CONDUCTORS. MAINTAIN EXISTING OVERHEAD CIRCUIT.
7. REMOVE EXISTING OVERHEAD STREET LIGHT CONDUCTORS FROM EXISTING STREET
8. MODIFY EXISTING STREET LIGHT FOUNDATION FOR INSTALLATION OF NEW UNDERGROUND CONDUIT (USDCCA DWG NO. 321.1.S1)
9. CONNECT NEW STREET LIGHT TO EXISTING OVERHEAD CIRCUIT. DISCONNECT OVERHEAD CONDUCTORS TO EXISTING STREET LIGHT AND ROUTE TO NEW STREET LIGHT. MAINTAIN EXISTING OVERHEAD CIRCUIT.
10. REMOVE PULLBOX (STREET LIGHT)
11. MODIFY EXISTING STREET LIGHT FOUNDATION FOR INSTALLATION OF NEW UNDERGROUND CONDUIT. ROUTE CONDUCTORS (2-#4, 1-#8 GROUND COPPER THW-2) THROUGH EXISTING POLE AND FOUNDATION. MAINTAIN EXISTING OVERHEAD CIRCUIT. (USDCCA DWG NO. 321.1.S1)
12. ROUTE CONDUCTORS (2-#4, 1-#8 GROUND COPPER THW-2) THROUGH POLE AND FOUNDATION. CONNECT NEW STREET LIGHT TO EXISTING OVERHEAD CIRCUIT

NOTES:

1. ALL UNDERGROUND CONDUIT SHALL BE TYPE RNC (RIGID NONMETALLIC CONDUIT), SCHEDULE 40 PVC AND SHALL BE INSTALLED PER USDCCA STD. DWG. NO. 501. ABOVE GROUND CONDUIT SHALL BE TYPE RMC (RIGID METALLIC CONDUIT). CONDUIT RISERS SHALL BE TYPE RMC WITH PVC COATING OR TAPE WRAP. ALL EMPTY CONDUIT SHALL INCLUDE A NYLON PULLSTRING AND 1#8 FOR LOCATING PURPOSES.
2. PULL BOXES SHALL NOT BE INSTALLED IN SIDEWALK RAMPS OR DRIVEWAYS.
3. THE ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL ALL ELECTRICAL COMPONENTS AND HARDWARE AS REQUIRED BY THE NATIONAL ELECTRIC CODE, LATEST EDITION AND SHALL COMPLY WITH THE REQUIREMENTS OF THE CLV.
4. THE ELECTRICAL CONTRACTOR SHALL CONTACT NV ENERGY AT (702) 402-5555 TO COORDINATE THE DISCONNECT AND RECONNECTION OF THE RELOCATED SERVICE.

GRAPHIC SCALE
20 0 10 20 40
(IN FEET)

CALL BEFORE CONSTRUCTION ⚠

BEFORE YOU DIG	USA NORTH	811 OR 800-227-2600
BEFORE YOU UNDERGROUND	F.A.S.T.	702-432-5300
	CLARK COUNTY TRAFFIC OPERATIONS	702-455-7511
	CITY OF LAS VEGAS T.E.F.O.	702-229-6611
BEFORE YOU OVERHEAD	NV ENERGY	702-227-2929

NO.	DATE	REVISIONS

PREPARED BY
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LAS VEGAS, NV 89146
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F: 702.804.2299
ENGINEERS \ SURVEYORS gcwengineering.com

PREPARED FOR
CITY OF LAS VEGAS

H# 50168 | BID# 17-50168
DATE: 4/25/17 | DESIGNED BY: JFG
SUBMITTAL STAGE: FINAL | DRAWN BY: MVD | CHECKED BY: TAM

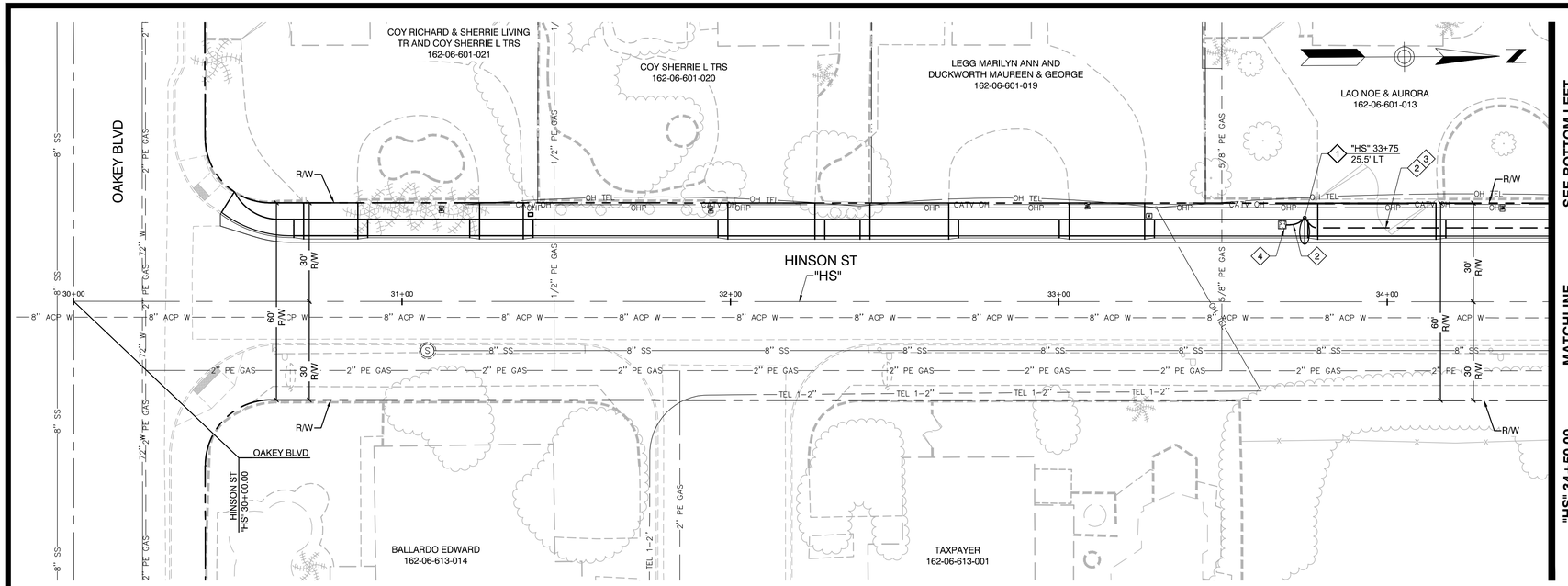
TITLE
SIDEWALK INFILL - ARVILLE STREET, VISTA DRIVE AND HINSON STREET

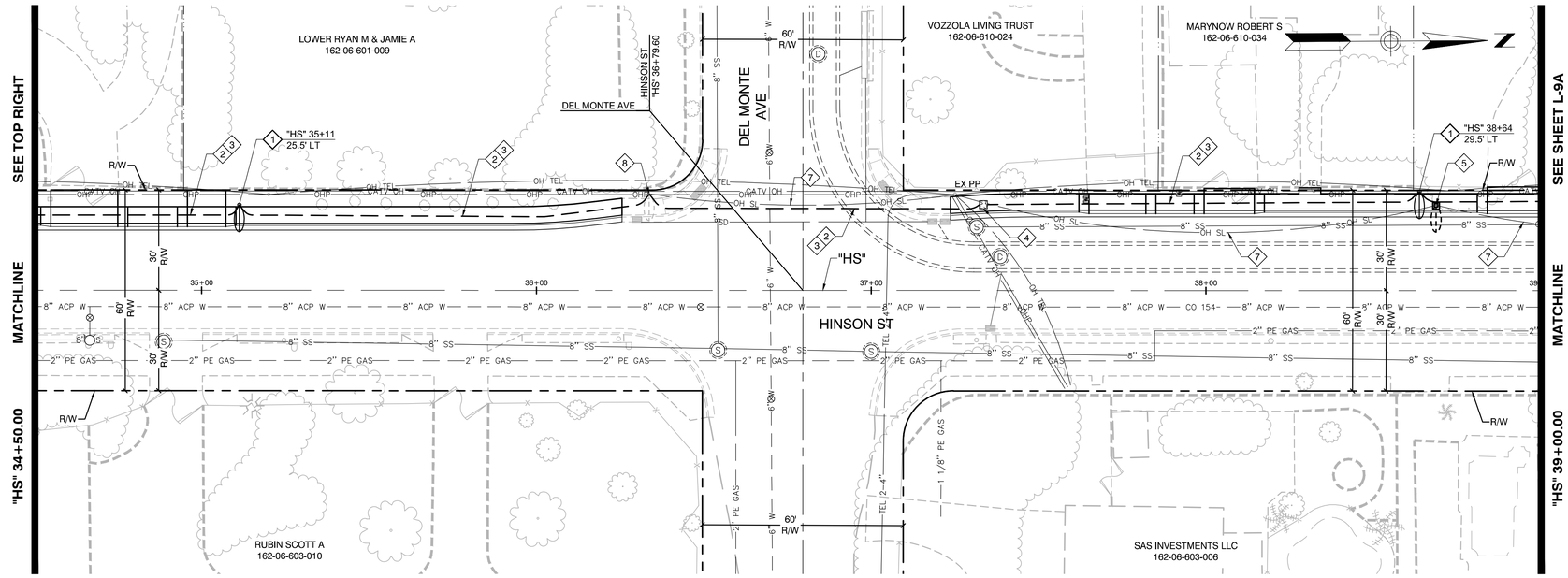
SHEET
LIGHTING PLAN
"VD" 29+00 TO "VD" 33+00.39

PROFESSIONAL ENGINEER - STATE OF NEVADA
TIMOTHY A. McCOY
Exp. 12/31/2017
CIVIL
No. 11511
4/25/17

SHEET
L-7
71 OF 74
DRAWING NO.
107V 5837-4

F:\Projects\4500413.666\GWGProduction\09-AA4_L01-L10.dwg, 5/15/2017 10:52:58 AM, jgutman





LIGHTING NOTES

1. INSTALL NEW COBRA HEAD LED STREETLIGHT ASSEMBLY ON NEW FOUNDATION (USDCCA STD. DWG. NO. 314, 320, 321)
2. INSTALL 1 1/4" PVC CONDUIT (STREET LIGHT)
3. INSTALL 2-#4, 1-#8 GROUND (STREET LIGHT)
4. INSTALL NO. 3 1/2 PULLBOX (STREET LIGHT) (USDCCA STD. DWG. NO. 326)
5. REMOVE AND SALVAGE EXISTING STREETLIGHT. REMOVE FOUNDATION TO 18 INCHES BELOW FINISHED GRADE
6. CONNECT NEW STREET LIGHT TO EXISTING OVERHEAD CIRCUIT. INSTALL NEW #6 ACSR OVERHEAD CONDUCTORS. MAINTAIN EXISTING OVERHEAD CIRCUIT.
7. REMOVE EXISTING OVERHEAD STREET LIGHT CONDUCTORS FROM EXISTING STREET
8. MODIFY EXISTING STREET LIGHT FOUNDATION FOR INSTALLATION OF NEW UNDERGROUND CONDUIT (USDCCA DWG NO. 321.1.S1)
9. CONNECT NEW STREET LIGHT TO EXISTING OVERHEAD CIRCUIT. DISCONNECT OVERHEAD CONDUCTORS TO EXISTING STREET LIGHT AND ROUTE TO NEW STREET LIGHT. MAINTAIN EXISTING OVERHEAD CIRCUIT.
10. REMOVE PULLBOX (STREET LIGHT)
11. MODIFY EXISTING STREET LIGHT FOUNDATION FOR INSTALLATION OF NEW UNDERGROUND CONDUIT. ROUTE CONDUCTORS (2-#4, 1-#8 GROUND COPPER THW-2) THROUGH EXISTING POLE AND FOUNDATION. MAINTAIN EXISTING OVERHEAD CIRCUIT. (USDCCA DWG NO. 321.1.S1)
12. ROUTE CONDUCTORS (2-#4, 1-#8 GROUND COPPER THW-2) THROUGH POLE AND FOUNDATION. CONNECT NEW STREET LIGHT TO EXISTING OVERHEAD CIRCUIT

NOTES:

1. ALL UNDERGROUND CONDUIT SHALL BE TYPE RNC (RIGID NONMETALLIC CONDUIT), SCHEDULE 40 PVC AND SHALL BE INSTALLED PER USDCCA STD. DWG. NO. 501. ABOVE GROUND CONDUIT SHALL BE TYPE RMC (RIGID METALLIC CONDUIT). CONDUIT RISERS SHALL BE TYPE RMC WITH PVC COATING OR TAPE WRAP. ALL EMPTY CONDUIT SHALL INCLUDE A NYLON PULLSTRING AND 1#8 FOR LOCATING PURPOSES.
2. PULL BOXES SHALL NOT BE INSTALLED IN SIDEWALK RAMPS OR DRIVEWAYS.
3. THE ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL ALL ELECTRICAL COMPONENTS AND HARDWARE AS REQUIRED BY THE NATIONAL ELECTRIC CODE, LATEST EDITION AND SHALL COMPLY WITH THE REQUIREMENTS OF THE CLV.
4. THE ELECTRICAL CONTRACTOR SHALL CONTACT NV ENERGY AT (702) 402-5555 TO COORDINATE THE DISCONNECT AND RECONNECTION OF THE RELOCATED SERVICE.

GRAPHIC SCALE
20 0 10 20 40
(IN FEET)

CALL BEFORE CONSTRUCTION

BEFORE YOU DIG	USA NORTH	811 OR 800-227-2600
BEFORE YOU UNDERGROUND	F.A.S.T.	702-432-5300
	CLARK COUNTY TRAFFIC OPERATIONS	702-455-7511
	CITY OF LAS VEGAS T.E.F.O.	702-229-6611
BEFORE YOU OVERHEAD	NV ENERGY	702-227-2929

NO.	DATE	REVISIONS

PREPARED BY
GCW ENGINEERS \ SURVEYORS
1555 S. RAINBOW BLVD.
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F: 702.804.2299
gcwengineering.com

PREPARED FOR
CITY OF LAS VEGAS

BID# 17-50168
H# 50168
DESIGNED BY: JFG
DRAWN BY: MVD
CHECKED BY: TAM
DATE: 4/25/17
SUBMITTAL STAGE: **FINAL**

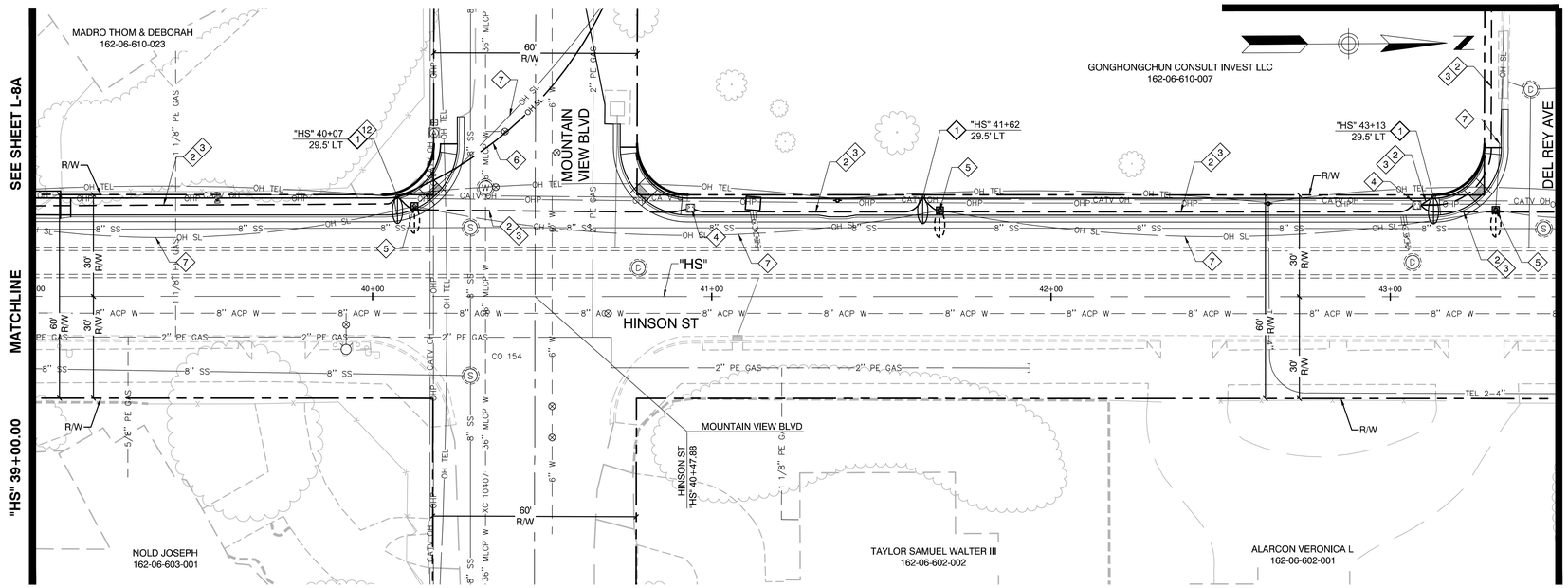
TITLE
SIDEWALK INFILL - ARVILLE STREET, VISTA DRIVE AND HINSON STREET

SHEET
LIGHTING PLAN "HS" 30+00 TO "HS" 39+00 (ADD/ALT)

PROFESSIONAL ENGINEER STATE OF NEVADA
TIMOTHY A. McCOY
Exp. 12/31/2017
CIVIL
No. 11511
4/25/17

SHEET
L-8A
72 OF 74
DRAWING NO.
107V 5837-4

F:\Projects\4004\12-658\DWG\Production\09 A1_L01_L10.dwg, 5/15/2017 11:01:55 AM, jguzman



LIGHTING NOTES

1. INSTALL NEW COBRA HEAD LED STREETLIGHT ASSEMBLY ON NEW FOUNDATION (USDCCA STD. DWG. NO. 314, 320, 321)
2. INSTALL 1 1/4" PVC CONDUIT (STREET LIGHT)
3. INSTALL 2-#4, 1-#8 GROUND (STREET LIGHT)
4. INSTALL NO. 3 1/2 PULLBOX (STREET LIGHT) (USDCCA STD. DWG. NO. 326)
5. REMOVE AND SALVAGE EXISTING STREETLIGHT. REMOVE FOUNDATION TO 18 INCHES BELOW FINISHED GRADE
6. CONNECT NEW STREET LIGHT TO EXISTING OVERHEAD CIRCUIT. INSTALL NEW #6 ACSR OVERHEAD CONDUCTORS. MAINTAIN EXISTING OVERHEAD CIRCUIT.
7. REMOVE EXISTING OVERHEAD STREET LIGHT CONDUCTORS FROM EXISTING STREET
8. MODIFY EXISTING STREET LIGHT FOUNDATION FOR INSTALLATION OF NEW UNDERGROUND CONDUIT (USDCCA DWG NO. 321.1.S1)
9. CONNECT NEW STREET LIGHT TO EXISTING OVERHEAD CIRCUIT. DISCONNECT OVERHEAD CONDUCTORS TO EXISTING STREET LIGHT AND ROUTE TO NEW STREET LIGHT. MAINTAIN EXISTING OVERHEAD CIRCUIT.
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12. ROUTE CONDUCTORS (2-#4, 1-#8 GROUND COPPER THW-2) THROUGH POLE AND FOUNDATION. CONNECT NEW STREET LIGHT TO EXISTING OVERHEAD CIRCUIT

NOTES:

1. ALL UNDERGROUND CONDUIT SHALL BE TYPE RNC (RIGID NONMETALLIC CONDUIT), SCHEDULE 40 PVC AND SHALL BE INSTALLED PER USDCCA STD. DWG. NO. 501. ABOVE GROUND CONDUIT SHALL BE TYPE RMC (RIGID METALLIC CONDUIT). CONDUIT RISERS SHALL BE TYPE RMC WITH PVC COATING OR TAPE WRAP. ALL EMPTY CONDUIT SHALL INCLUDE A NYLON PULLSTRING AND 1-#8 FOR LOCATING PURPOSES.
2. PULL BOXES SHALL NOT BE INSTALLED IN SIDEWALK RAMPS OR DRIVEWAYS.
3. THE ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL ALL ELECTRICAL COMPONENTS AND HARDWARE AS REQUIRED BY THE NATIONAL ELECTRIC CODE, LATEST EDITION AND SHALL COMPLY WITH THE REQUIREMENTS OF THE CLV.
4. THE ELECTRICAL CONTRACTOR SHALL CONTACT NV ENERGY AT (702) 402-5555 TO COORDINATE THE DISCONNECT AND RECONNECTION OF THE RELOCATED SERVICE.

GRAPHIC SCALE
20 0 10 20 40
(IN FEET)

CALL BEFORE CONSTRUCTION

BEFORE YOU DIG	USA NORTH	811 OR 800-227-2600
BEFORE YOU UNDERGROUND	F.A.S.T.	702-432-5300
	CLARK COUNTY TRAFFIC OPERATIONS	702-455-7511
	CITY OF LAS VEGAS T.E.F.O.	702-229-6611
BEFORE YOU OVERHEAD	NV ENERGY	702-227-2929

NO.	DATE	REVISIONS

PREPARED BY
GCW
1555 S. RAINBOW BLVD.
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ENGINEERS \ SURVEYORS

PREPARED FOR
CITY OF LAS VEGAS

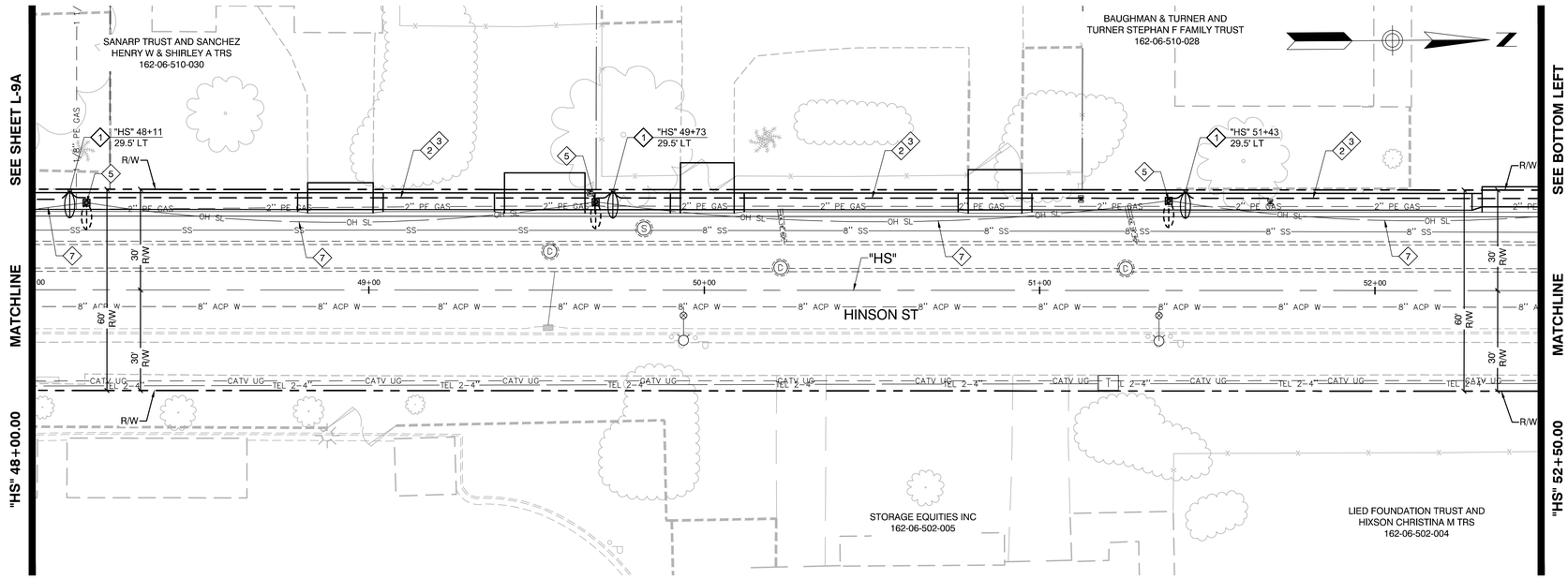
H# 50168	BID# 17-50168	DESIGNED BY: JFG	
DATE: 4/25/17		DRAWN BY: MVD	
SUBMITTAL STAGE: FINAL		CHECKED BY: TAM	

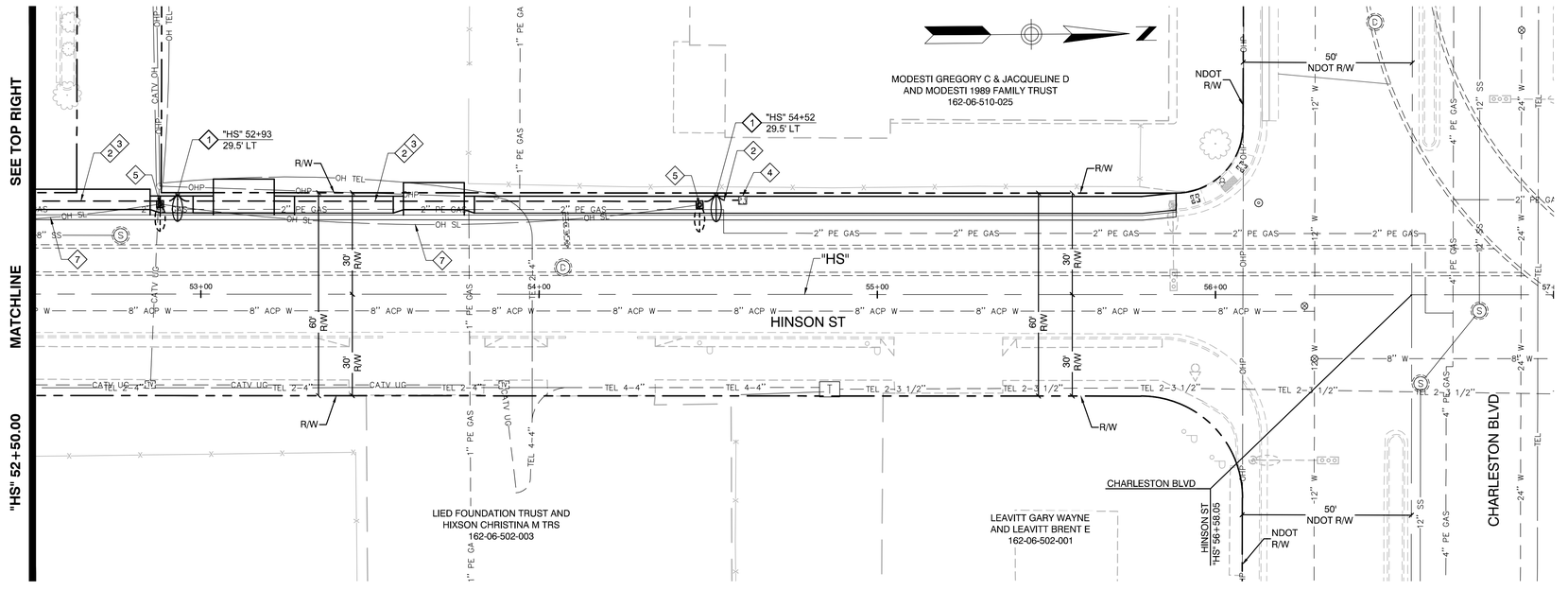
TITLE
SIDEWALK INFILL - ARVILLE STREET, VISTA DRIVE AND HINSON STREET
LIGHTING PLAN "HS" 39+00 TO "HS" 48+00 (ADD/ALT)

PROFESSIONAL ENGINEER - STATE OF NEVADA
TIMOTHY A. McCOY
Exp. 12/31/2017
CIVIL
No. 11511
4/25/17

SHEET
L-9A
73 OF 74
DRAWING NO.
107V 5837-4

F:\Projects\4924\12-605\ENG\Production\09-Art_L9-L10.dwg, 5/15/2017 10:53:07 AM, jguzman





LIGHTING NOTES

1. INSTALL NEW COBRA HEAD LED STREETLIGHT ASSEMBLY ON NEW FOUNDATION (USDCCA STD. DWG. NO. 314, 320, 321)
2. INSTALL 1 1/4" PVC CONDUIT (STREET LIGHT)
3. INSTALL 2-#4, 1-#8 GROUND (STREET LIGHT)
4. INSTALL NO. 3 1/2 PULLBOX (STREET LIGHT) (USDCCA STD. DWG. NO. 326)
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9. CONNECT NEW STREET LIGHT TO EXISTING OVERHEAD CIRCUIT. DISCONNECT OVERHEAD CONDUCTORS TO EXISTING STREET LIGHT AND ROUTE TO NEW STREET LIGHT. MAINTAIN EXISTING OVERHEAD CIRCUIT.
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12. ROUTE CONDUCTORS (2-#4, 1-#8 GROUND COPPER THW-2) THROUGH POLE AND FOUNDATION. CONNECT NEW STREET LIGHT TO EXISTING OVERHEAD CIRCUIT

NOTES:

1. ALL UNDERGROUND CONDUIT SHALL BE TYPE RNC (RIGID NONMETALLIC CONDUIT), SCHEDULE 40 PVC AND SHALL BE INSTALLED PER USDCCA STD. DWG. NO. 501. ABOVE GROUND CONDUIT SHALL BE TYPE RMC (RIGID METALLIC CONDUIT). CONDUIT RISERS SHALL BE TYPE RMC WITH PVC COATING OR TAPE WRAP. ALL EMPTY CONDUIT SHALL INCLUDE A NYLON PULLSTRING AND 1#8 FOR LOCATING PURPOSES.
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GRAPHIC SCALE
20 0 10 20 40
(IN FEET)

CALL BEFORE CONSTRUCTION

BEFORE YOU DIG	USA NORTH	811 OR 800-227-2600
BEFORE YOU UNDERGROUND	F.A.S.T.	702-432-5300
	CLARK COUNTY TRAFFIC OPERATIONS	702-455-7511
	CITY OF LAS VEGAS T.E.F.O.	702-229-6611
BEFORE YOU OVERHEAD	NV ENERGY	702-227-2929

NO.	DATE	REVISIONS

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PREPARED FOR
CITY OF LAS VEGAS

BID# 17-50168
H# 50168
DESIGNED BY: JFG
DRAWN BY: MVD
CHECKED BY: TAM
DATE: 4/25/17
SUBMITTAL STAGE: FINAL

TITLE
SIDEWALK INFILL - ARVILLE STREET, VISTA DRIVE AND HINSON STREET

SHEET
LIGHTING PLAN
"HS" 48+00 TO "HS" 56+58.05 (ADD/ALT)

TIMOTHY A. McCOY
Exp. 12/31/2017
CIVIL
STATE OF NEVADA
PROFESSIONAL ENGINEER
No. 11511
4/25/17

SHEET
L-10A
74 OF 74
DRAWING NO.
107V 5837-4