

TEL 4"-6"

10" SS

8" W

18" S

ELE

ONE

6" PE GAS

CATV ED

EXISTING TELEPHONE CABLE

EXISTING SANITARY SEWER LINE

EXISTING WATER LINE

EXISTING STORM DRAIN LINE

EXISTING ELECTRICAL LINE

EXISTING OVERHEAD POWER LINE

EXISTING GAS LINE

EXISTING CABLE TELEVISION LINE

EXISTING CURB & GUTTER

EXISTING MANHOLE

EXISTING VALVE (GAS OR WATER)

EXISTING FIRE HYDRANT

EXISTING CONDUIT RUN NO.

EXISTING CONDUIT

RIGHT-OF-WAY LINE

EASEMENT LINE

PROPERTY LINE

CENTERLINE

EXISTING STREETLIGHT (SUMMERLIN)

EXISTING POWER POLE

EXISTING SERVICE PEDESTAL

EXISTING NVE TRANSFORMER

EXISTING NO. 3 1/2 PULL BOX

EXISTING NO. 5 PULL BOX

EXISTING NO. 7 PULL BOX

EXISTING P30 PULL BOX

EXISTING TYPE 200 SPLICE VAULT

PROPOSED LED LUMINAIRE (400W HPS EQUIVALENT-SUMMERLIN)

PROPOSED NO. 3 1/2 PULL BOX

PROPOSED NO. 5 PULL BOX

PROPOSED NO. 7 PULL BOX

PROPOSED P30 PULL BOX

PROPOSED TYPE 200 SPLICE VAULT

PROPOSED CONTROLLER CABINET

PROPOSED SIGNAL POLE

PROPOSED TRAFFIC SIGN

PROPOSED STREET NAME SIGN (INTERNALLY ILLUMINATED)

PROPOSED OPTICOM DETECTOR

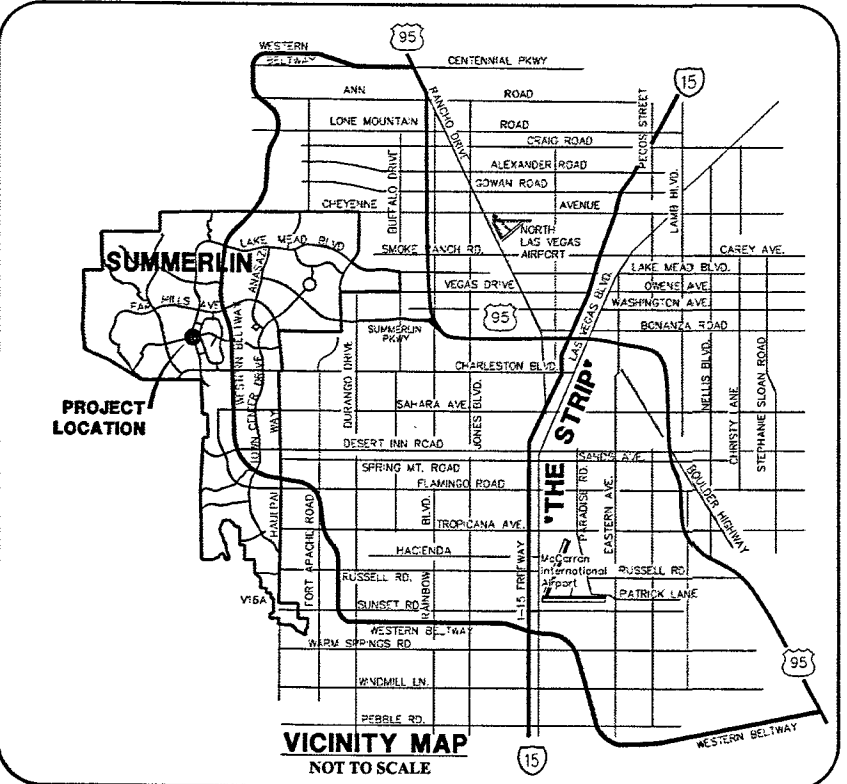
PROPOSED PEDESTRIAN SIGNAL HEAD

PROPOSED PEDESTRIAN PUSH BUTTON

PROPOSED CONDUIT RUN NO.

PROPOSED DETECTOR LOOP (SIZE AS SHOWN)

PROPOSED SIGNAL HEAD



ADV

AL

ASTM

CATV

CCPW

CCRFCD

CD

DET

DET

DOC

DR

DS

DWG

F

ELEC

EOP

ESMT

EX/EXIST

FAST

FG

FT

G

LT

LJUL

MIN.

N

NO.

NVE

OHP

OP

P.B.

PE

PED.

PFM

PPM

QUAD.

RD

RPM

RT

R/W

SD

S.P.

SW

SIG.

STL

SS

STA

STD

S.V.

TEL

TYP.

UDACS

CONSTRUCTION STANDARDS

USDOCCA

W

W/

ADVANCED

ALTA DRIVE

AMERICAN SOCIETY FOR TESTING & MATERIALS

CABLE TELEVISION

CLARK COUNTY PUBLIC WORKS

CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT

CURB & GUTTER

DETECTION

DESERT FOOTHILLS DRIVE

DOCUMENT

DRIVE

DOUBLE STACKED

DRAWING

EAST

ELECTRIC

EDGE OF PAVEMENT

EASEMENT

EXISTING

FREEWAY & ARTERIAL SYSTEM OF TRANSPORTATION

FINISHED GRADE

FEET

GAS

LEFT

LUMINAIRE

MINIMUM

NORTH

NUMBER

NV ENERGY

OVERHEAD POWER

OPTICOM

PULLBOX

POLYETHYLENE

PEDESTRIAN

PAVEMENT MARKING FILM

POLYUREA PAVEMENT MARKINGS

QUADRANT

RAISED PAVEMENT MARKINGS

RIGHT

RIGHT-OF-WAY

SOUTH

STORM DRAIN

SERVICE PEDESTAL

SIDEWALK

SIGNAL

STREET

STREETLIGHT

SANITARY SEWER

STATION

STANDARD

SPLICE VAULT

TELEPHONE

TYPICAL

UNIFORM DESIGN AND

CONSTRUCTION STANDARDS

UNIFORM STANDARD DRAWINGS

CLARK COUNTY AREA

WEST OR WATER

WITH

BENCHMARK

CITY OF LAS VEGAS VERTICAL CONTROL POINT "SLV03 34NES" BEING A RIVET & PLATE IN TOP OF CURB AT NE CORNER OF DESERT FOOTHILLS & ALTA.

ELEVATION: 3304.45 (FEET)

1007.197 (METERS)

CITY OF LAS VEGAS VERTICAL CONTROL-DATE RE-OBSERVED: 2005-2007

BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).

BASIS OF BEARING

NORTH 89°45'05" EAST BEING THE SOUTH LINE OF THE SOUTHWEST QUARTER (SW 1/4) OF SECTION 35, TOWNSHIP 20 SOUTH, RANGE 59 EAST, M.D.M., AS SHOWN BY MAP ON FILE IN FILE 91, PAGE 28 OF PARCEL MAPS IN THE CLARK COUNTY RECORDER'S OFFICE, CLARK COUNTY, NEVADA.

PROJECT NO.

62023-707

DESIGN: JRT

DRAWN: TJD

CHECK: JRT

PLOT TIME: 05:14:46

1555 S. RAINBOW BLVD.

LAS VEGAS, NV 89146

T: 702.804.2000

F: 702.804.2239

gowerengineering.com

THE HOWARD HUGHES COMPANY, LLC

TRAFFIC SIGNAL SYSTEM AT

DESERT FOOTHILLS DR/ALTA DR

LEGEND, ABBREVIATIONS, AND VICINITY MAP

DRAWING

2

2 OF 7 SHTS

1. ALL WORK PERFORMED ON ANY TRAFFIC SIGNAL COMPONENT MUST BE UNDER THE DIRECT ON-SITE SUPERVISION OF AN INSEA CERTIFIED TECHNICIAN. THE LEVEL OF CERTIFICATION REQUIRED SHALL BE LEVEL 6.

2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE TO ALL EXISTING UTILITIES. THE LOCATIONS OF UNDERGROUND UTILITIES AS SHOWN ON THE PLANS ARE APPROXIMATE ONLY. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES TO VERIFY IN THE FIELD THE LOCATIONS OF THEIR INSTALLATIONS 72 HOURS PRIOR TO CONSTRUCTION.

CALL-BEFORE-YOU-DIG	1-703-227-2828
CALL-BEFORE-YOU-DIG	1-800-227-2828
STREETLIGHTS	1-703-227-2828
F.A.S.T.	1-703-432-5300

- [illegible]

12. THE ROUTING AND TERMINATION OF CONDUITS AND THE PLACING OF POLES AND CABINETS SHALL BE AS INDICATED ON THE PLANS. ALL CHANGES SHALL BE APPROVED BY THE ENGINEER.

1. ALL STREET LIGHTING INSTALLATIONS SHALL BE IN ACCORDANCE WITH THE STREET LIGHTING PLANS, THE "UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA, NEVADA", LATEST REVISION, AND THE "UNIFORM STANDARD DRAWINGS FOR PUBLIC WORKS CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA, NEVADA", LATEST REVISION, AND ANY ADDED SPECIAL AREA STANDARDS.
2. NO DEVIATION OF STREET LIGHT, PULL BOX, CONDUITS (ETC.) LOCATIONS SHALL BE PERMITTED WITHOUT WRITTEN APPROVAL OF THE TRAFFIC ENGINEER AND THE CITY ENGINEER.
3. ALL EXISTING STREET LIGHTING SHALL REMAIN OPERATIONAL DURING CONSTRUCTION.

- ALL STREET LIGHTING CONDUITS SURT SHALL HAVE AT LEAST ONE GREEN #8 THW WIRE INSTALLED, AS TRACER WIRE. WHEN "EMPTY" CONDUIT IS COMPLETELY INSTALLED FROM PB TO THE END OF THE PROJECT, IT MUST BE FULLY TAPPED OFF WITH A MINIMUM OF TWO #6 OR #8 THW WIRE WITH THE ENDS TAPPED OR "SAFE OFF" PRIOR TO FINAL INSPECTION.
- ANY STRUCTURE SUCH AS BLOCK WALLS, CHAIN LINK FENCES, RETAINING WALLS, ETC., SHALL LEAVE A MINIMUM CLEARANCE IN ACCORDANCE WITH THE USD NO. 302A.
- AS-BUILT DRAWINGS SHALL BE SUPPLIED TO THE TFO PRIOR TO ANY PRE-FINAL INSPECTION. THE AS-BUILT DRAWING NEEDS TO BE STAMPED AS-BUILT AND SIGNED BY THE PREPARED.
- SERVICE POINT SHALL BE COORDINATED WITH ANY ENERGY COMPANY, AND WHEREVER POSSIBLE BE LOCATED NEAR THE CENTER OF THE CIRCUIT. SERVICE POINTS SHALL BE SHOWN ON THE PLANS.
- IT SHALL BE ASSURED THAT IN THE ABSENCE OF AN EXISTING WORKABLE CIRCUIT TO ATTACH TO, ALL INSTALLATIONS SHALL REQUIRE A NEW SERVICE FOR OPERATION OF THE CIRCUIT.
- WHEREVER THERE IS AN OVERHEAD UTILITY THAT MAY CONFLICT WITH THE INSTALLATION OF THE CIRCUT, THE CONTRACTOR SHALL NOTIFY THE UTILITY COMPANY AND REQUEST THEM TO REMOVE THE DEVELOPER AND THE UTILITIES INVOLVED, AT HIS EXPENSE. TO THE CITY OF LAS VEGAS, BEFORE STREETLIGHT BASICS ARE INSTALLED.
- THE CONTRACTOR SHALL FURNISH COMPLETE SPECIFICATIONS TO TRANSFORMERS AND CONTROL DEVICES.
- THE DEVELOPER/OWNER WILL BE REQUIRED TO SUPPLY POWER TO ALL NEW PUBLIC STREET LIGHTS INSTALLED UNDER THIS DESIGN PRIOR TO BOND RELEASE OR PROJECT COMPLETION. THE DEVELOPER/OWNER WILL BE RESPONSIBLE FOR ALL ITEMS ASSOCIATED WITH THE ELECTRICAL CONNECTIONS TO THE STREET LIGHTS. THE CONTRACTOR SHALL NOT BE RESPONSIBLE FOR SAID STREET LIGHTS PRIOR TO PROJECT COMPLETION. REFER TO THE PLAN FOR ANY NEW SERVICE TO BE PROVIDED TO THE STREET LIGHTS. AFTER THE PROJECT COMPLETION, THE CONTRACTOR SHALL LAS VEGAS FOR ALL NEW PUBLIC STREET LIGHTS AND/OR SERVICES IS INSTALLED UNDER THIS PLAN. WILL BE IN CONTACT WITH THIS PROJECT COMPLETION, COORDINATE ALL ELECTRICAL AND OPERATIONAL MATTERS WITH THE CITY OF LAS VEGAS TRAFFIC ENGINEERING DEPARTMENT (REV) AT (702) 223-6331.

REvised 04/15/10

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 MANHOLE AND SEWER CIRCULAR MANHOLES, AS APPLICABLE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO BE AWARE OF THE CONTENTS OF THE ABOVE SPECIFICATIONS.
2. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PERFORM CONSTRUCTION AS PER PLANS, ANY ADDITIONS, DELETIONS, OR CHANGES SHALL FIRST MEET WITH THE APPROVAL OF THE CITY ENGINEER.
3. CHISEL "C" OR "D" IN CURBS WHERE SEWER OR GAS LATERALS PASS UNDER THE CURB.
4. POLY(VINYL CHLORIDE) (PVC) PIPE SHALL MEET ASTM D-3034 SR-35 SPECIFICATIONS, INSTALLED WITH SAND BEDDING AND BACKFILL OF TYPE 1 AGGREGATE BASE.

6. ALL MANHOLES PAVED IN STREETS EIGHTY (80) FEET R/W AND LARGER SHALL HAVE CONCRETE COVERS. STREETS LESS THAN EIGHTY (80) FEET R/W WILL REQUIRE RETROFIT IF PAVING DOES NOT CONFORM TO CITY STANDARDS AT THE MANHOLE.
7. THE SADDLES SHALL BE USED TO CONNECT SENIOR LATERALS TO EXISTING MAIN LINES UP TO TWELVE INCH (12") DIAMETER. CONNECTIONS TO FIFTEEN INCH (15") OR LARGER MAINS WILL REQUIRE SPECIAL PROCEDURES. IN LINE "Y" S SHALL BE USED ON LINES TWELVE INCHES (12") OR ABOVE.
8. WATER MAINS SHALL BE PROTECTED IN ACCORDANCE WITH LIVELY STANDARDS WHENEVER A SENIOR MAIN CROSSES OVER A WATER MAIN OR THE SENIOR IS LESS THAN THIRTEEN INCH (13") UNDER A WATER MAIN.
9. ALL CONTRACTORS INSTALLING SENIOR MAINS THAT WILL BE UNDER THE JURISDICTION OF THE CITY OF LAS VEGAS MUST BE STATE OF NEVADA CLASS "A" CONTRACTORS.
10. THE CITY OF LAS VEGAS WILL NOT ACCEPT ANY SENIOR MAINS WHICH HAVE A VERTICAL DEFLECTION OF MORE THAN ONE INCH PER FEET OF LENGTH AND CONSTRUCTION PLANS AT ANY LOCATION. SENIOR MAINS FOUND TO EXCEED THIS TOLERANCE WILL HAVE TO BE ACCEPTANCE TESTED AND EITHER RECONSTRUCTED TO MEET THE TOLERANCE OR ACCEPTANCE TESTED AND REMOVED OR REPLACED TO THE SATISFACTION OF THE CITY ENGINEER PRIOR TO ACCEPTANCE.
11. INSTALLATION OF CURVED SENIOR REQUIRES THE USE OF C-900 PIPE WHICH ALLOWS FOR PIPE DEFLECTION AT THE JOINTS.

REVISED 04/15/10

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 FOR STORMWATER 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	SOIL COMPACTION
A. PAVEMENT AREA SUBGRADE	1/2"	+4.0' TO -0.1'	SEE SLOPE REPORT
B. ENGINEERED FILL	0.5'	+0.1' TO -0.1'	SEE SLOPE REPORT
 7. COMPACTION TESTING WILL BE PERFORMED BY THE OWNER OR HIS REPRESENTATIVE. COMPACTION SHALL COMPLY WITH THE REQUIREMENTS OF THE ENGINEER.
 8. ALL CUT AND FILL SLOPES SHALL BE PROTECTED UNTIL EFFECTIVE EROSION CONTROL HAS BEEN ESTABLISHED.
 9. 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.
 10. 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 OTHER MATERIAL 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.
 11. IN THE EVENT THAT ANY TEMPORARY CONSTRUCTION ITEM IS REQUIRED THAT IS NOT SHOWN HEREON, 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 4/15/20

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 EDITION; THE "UNIFORM STANDARD DRAWINGS FOR PUBLIC WORKS CONSTRUCTION, CLARK COUNTY AREA NEVADA", LATEST REVISED EDITION; THE "SUMMER HILL IMPROVEMENT STANDARDS FOR THE SUMMER HILL AREA"; AND OTHER APPLICABLE APPROVED STANDARDS ISSUED BY THE CONTROLLING AGENCY. UNIFORM BUILDING CODES 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 CITY RECORDS. EXISTING UTILITIES AS SHOWN FROM CITY PLANS LIBRARY ARE APPROXIMATE AND FOR RECORD PURPOSES. EXISTING UTILITIES ARE LOCATED ON PLANS ONLY FOR THE CONVENIENCE OF THE CONTRACTOR. EXISTING UTILITY RECORDS MAY NOT BE COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AT HIS OWN EXPENSE, LOCATE ALL UNDERGROUND AND OVERHEAD INTERFERENCE'S 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 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 TO THE SATISFACTION OF THE ENGINEER AND 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 DESIGNS TO BE APPROVED BY THE CITY, 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, EXISTING EVERY 300' IN EXTRUDED-TYPE CURB.
8. AC PAVEMENT TO BE ONE-HALF INCH (1/2") ABOVE UP OF ALL GUTTERS AFTER COMPACTION, EXCEPT AT SIDEWALK RAILS AND CROSS GUTTERS.
9. CURB AND GUTTER FOUND TO BE UNACCEPTABLE TO THE CITY OF LAS VEGAS SHALL BE REMOVED AND REPLACED PER STANDARD DRAWING 218.

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 THE TRANSITIONS TO BE AS SHOWN ON PLANS.

12. ALL GRADING WORK SHALL CONFORM TO THE SOILS REPORT AS PREPARED BY THE COMPANY. REPORT # _____ DATE _____ APPROVED BY THE CITY ENGINEER, _____ AND AS SHOWN ON THESE PLANS.
13. EXACT LOCATION OF ALL SAWCUT LINES MAY BE ADJUSTED OR DETERMINED IN THE FIELD BY A CITY AS VEGE ENGINEER 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 AT THE CONTRACTOR'S EXPENSE IN ACCORDANCE WITH N.L.S. STATUTE NO. 025,380 & CITY OF LAS VEGAS TITLE 18, APPENDIX D.
15. UTILITY COMPANY METER BOXES, MANHOLE ULDS, VALVE COVERS, ETC., SHALL BE LOCATED OUT OF DRIVEWAYS, DRIVEWAY APRONS, FLOWLINES, AND CROSS CURBS. UNLESS OTHERWISE APPROVAL IS GRANTED BY THE UTILITY COMPANY AND THE CITY ENGINEER.
- WALL NOTES:

15. 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 BUILDING DEPARTMENT.
17. ASPHALT MIX DESIGN MUST BE SUBMITTED AND APPROVED BY THE CITY ENGINEER PRIOR TO THE PLACEMENT OF ASPHALT WITHIN CITY RIGHT OF WAY.
18. CONTRACTOR SHALL ADJUST ALL NEW AND EXISTING LISTS, VALVE BOXES, MANHOLE RIMS, AND SEWER CLEAN OUTS, 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 OR THE 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 OFFSITE INSPECTION AND TESTING DIVISION 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 PRIOR TO ACCEPTANCE OF FACILITY VIDEO INSPECTION. THE MAP(S) SHALL INCLUDE THE HORIZONTAL AND VERTICAL (INVERT) LOCATION OF PUBLIC SEWER MAINS, STORM DRAIN MAINS, CROSSINGS AND TRANSITION STRUCTURES, STORM DRAIN LATERALS AT THE CONNECTION TO THE STORM DRAIN MAIN AND THE CONNECTION TO A DROP INLET, THE CONNECTION OF SEWER SERVICE LATERALS TO THE SEWER MAIN AND THE SEWER SERVICE LATERALS EXIT THE PUBLIC RIGHT-OF-WAY AND TO STORM DRAIN LATERALS. THE SANITARY SEWER AND STORM DRAIN MAP SHALL BE DESCRIBED BY COORDINATES WHICH SHALL BE SHOWN ON THE OFFICIAL HORIZONTAL AND VERTICAL CONTROL NETWORKS OF THE CITY OF LAS VEGAS. A SEPARATE ELECTRONIC CD (DETAILED) MAP OF 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 ON NRS 456 AND SHALL SHOW AT A MINIMUM THE HORIZONTAL AND VERTICAL (INVERT) LOCATION OF PUBLIC SEWER MANHOLES, STORM DRAIN MANHOLES, 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. ANY DEVIATIONS FROM THE INFORMATION SHOWN SHALL BE NOTED AND SUBMITTED TO THE CITY PRIOR 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 EDITION.
23. A SEPARATE BORING PERMIT IS REQUIRED FOR ALL BORING ACTIVITIES.

REvised 02/03/15

NO PORTION OF THE SITE FALLS WITHIN A FEMA DESIGNATED SPECIAL FLOOD HAZARD AREA. SITE LOCATED ON PANEL 32003C2150E, DATED SEPTEMBER 27, 2002, AND PANEL 32003C2145F, DATED NOVEMBER 16, 2011. THIS PANEL SHOWS THAT THE PROJECT IS LOCATED WITHIN A ZONE X AND NOT LOCATED WITHIN A FEMA DESIGNATED 100-YEAR ZONE A OR SPECIAL FLOOD HAZARD AREA.

LWWD PROJECT # 125355
(Revised 01/09/2017)

1. NO WORK SHALL BE UNDERTAKEN UNTIL THE WATER PLANS HAVE BEEN APPROVED FOR CONSTRUCTION BY THE LVNLD. FOLLOWING WATER PLAN APPROVAL, NOTICE SHALL BE GIVEN TO THE LVNLD COMMUNICATION SUPPORT CENTER (258-7171) TWO (2) WORKING DAYS BEFORE THE START OF CONSTRUCTION. FOR FUTURE INSPECTIONS, NOTICE MUST BE GIVEN BY 2:00 P.M. THE BUSINESS DAY PRIOR TO THE REQUESTED LVNLD INSPECTION. WHEN REQUESTING INSPECTIONS, PLEASE REFER TO THE PROJECT # IDENTIFIED ABOVE.
2. ALL WORK SHALL CONFORM TO LVNLD STANDARD PLATES, DRAWINGS, AND SPECIFICATIONS AND TO THE 2010 EDITION OF THE UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR PUBLIC WORKS 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 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 LVNLD.
5. ALL SERVICE LATERALS TWO (2) INCHES IN DIAMETER AND SMALLER SHALL BE TYPE K COPPER TUBING WITH LVNLD APPROVED SERVICE SADDLES.
6. ALL WATER METER BOXES SHALL BE LOCATED OUTSIDE OF DRIVEWAY AREAS.
7. ALL VALVES SHALL BE LOCATED OUTSIDE OF DRIVEWAYS, VALLEY AND CURB GUTTERS.
8. ALL WATER AND STORM DRAIN OR SANITARY SEWER CROSSINGS SHALL CONFORM TO SECTION 2.22 OF THE 2010 EDITION OF THE UDACS.
9. ALL WATER FACILITIES SHALL BE FILLED, DISINFECTED, PRESSURE TESTED, FLUSHED, FILLED AND AN ACCEPTABLE WATER SAMPLE OBTAINED, PRIOR TO CONNECTION TO THE LVNLD DISTRIBUTION SYSTEM.
10. THE CONTRACTOR MUST OBTAIN ALL METERS TWO (2) INCHES AND SMALLER FROM LVNLD CENTRAL STORES. TELEPHONE 258-3152 OR 258-3802, TWO (2) WORKING DAYS PRIOR TO METER PICKUP.
11. ANY INTERRUPTION OF SERVICE MUST BE PERFORMED IN ACCORDANCE WITH UDACS SECTION 3.14.01, AND APPROVED BY THE LVNLD INSPECTION DIVISION PRIOR TO SHUTDOWN. PROPER WRITTEN NOTIFICATION MUST BE GIVEN TO ALL AFFECTED CUSTOMERS.
12. ALL WATER FACILITY CONSTRUCTION MATERIALS USED MUST BE LISTED ON THE LVNLD PRE-APPROVED MATERIALS AND MANUFACTURERS' LISTING FOR NEW FACILITIES, LATEST REVISION, OR SPECIALLY APPROVED ON THESE PLANS.
13. TELEPHONE "CALL BEFORE YOU DIG" AT 811 OR 1-800-227-2800.

14. THE INSTALLATION OF LAS VEGAS VALLEY WATER DISTRICT'S (LAWD) INDUSTRIAL WATER

- ANY DECORATIVE PAVING SURFACE WITHIN THE STREET IS THE RESPONSIBILITY OF THE OWNER'S ASSOCIATION, OR THE INDIVIDUAL PROPERTY OWNERS IF NO OWNER'S ASSOCIATION IS IN EXISTENCE, OR THE AGENCY HAVING JURISDICTION. DECORATIVE MATERIALS PLACED ON THE PAVEMENT SURFACE OF ANY STREET, ALLEY, OR PRIVATE STREET, IF DISTURBED BY THE LVMD DURING THE REPAIR OR OPERATION OF ITS FACILITIES, WILL BE REPLACED BY LVMD WITH AN APPROPRIATELY SIZED PAIN FINISH PATCH. THE PATCH, THE LVMD WILL BE RESPONSIBLE FOR THE INSTALLATION FOR THE RESTORATION OF, ANY DECORATIVE PAVING SURFACE WITHIN THE STREET, THE LVMD WILL NOT ATTEMPT TO MATCH COLOR OR FINISH OF ANY ADJACENT MATERIALS.
15. NO LEAD COMPLIANCE NOTICE:
TO COMPLY WITH THE FEDERAL SAFE DRINKING WATER ACT, ALL WATER WORKS BRASS AND FITTINGS EXPOSED TO OR RELATED, OR INSTALLED AS NEW MUST BE INSTALLED WITH THE LEAD FREE APPROVED PRODUCT. THE OLD LEADED PRODUCT MAY NOT BE REUSED.

DISCARD: ER.
LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER
PROJECT NO. 125555 DATE: 5/1/17

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 ACCUMULATE

1. THE PUBLIC RIGHTS OF THE WAYS OF THE CITY OF LAS VEGAS AS A RESULT OF 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 OWNER AND HIS OR HER AGENTS DUE TO UNFORESEEN CIRCUMSTANCES OR IF THE SUBMITTED PLAN DOES NOT MEET THE PERFORMANCE STANDARDS SPECIFIED IN THE CITY OF LAS VEGAS AND LAS VEGAS VALLEY CONSTRUCTION SITE BEST MANAGEMENT PRACTICES 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 COMPLETED. THE CONTRACTOR SHALL OBTAIN A PERMIT FROM THE SUPPLY OF WATER TO NEVADA STORMWATER GENERAL PERMIT FOR CONSTRUCTION ACTIVITY NVRI000000, SECTION II.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 LOCATED IN OR NEAR THE DISTURBED AREAS, AND ALL LOCATIONS AND ALL BMP'S WEEKLY, AND WITHIN 24 HOURS AFTER ANY ACTUAL RAIN EVENT OF 0.5 INCHES OR MORE. THE CONTRACTOR OR HIS AGENT SHALL UPDATE OR REVISE THE STORMWATER POLLUTION PREVENTION PLAN AS NECESSARY. SOME EXCEPTING TO NEVADA STORMWATER GENERAL PERMIT NVRI000000, SECTION II.A.5. LAND DISTURBANCE ACTIVITIES. REFER TO NEVADA STORMWATER GENERAL PERMIT FOR CONSTRUCTION ACTIVITY NVRI000000, SECTION II.A.12.
5. ACCUMULATED SEDIMENT IN BMP'S SHALL BE REMOVED WITHIN SEVEN DAYS AFTER A STORMWATER RUNOFF EVENT OR PRIOR TO THE NEXT ANTICIPATED STORM EVENT. EXCESSIVE SEDIMENT SHALL BE REMOVED WHEN BMP DESIGN CAPACITY HAS BEEN REDUCED BY 50 PERCENT OR MORE.



TRAFFIC SIGNAL SYSTEM AT
DESERT FOOTHILL 8 DR/ALTA DR

DRAWN

3

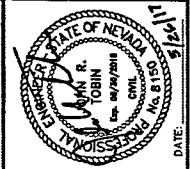
GENERAL NOTES

PROJ #125355 QS 137-34-NE

PROJ #125355 QS 137-34-NE

L-69512 **4**
4 OF 7 SHTS

AS BUILD 1/3/2018 Paul Wyatt LVE



STREET NAME SIGNS		
POLE	TYPE	SIGN LEGEND
(A)	DOUBLE FACE 12B	
(B)	DOUBLE FACE 12D	
(C)	DOUBLE FACE 12B	
(D)	DOUBLE FACE 12D	

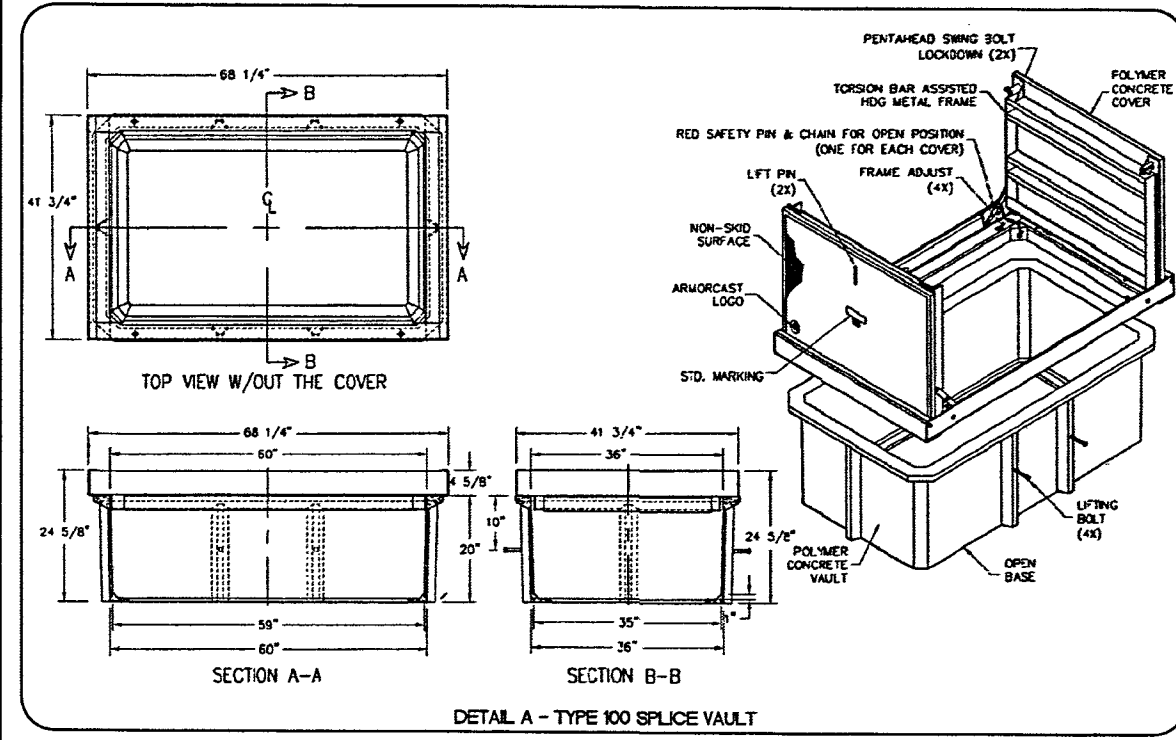
NOTE:
1. SIGN SCHEDULE PER CLV PLANNING DEPARTMENT & TEFO.
2. DIRECTION, BLOCK NO., SUFFIX: 5" HWY "B" OR "D" STREET NAME: 12" UPPERCASE, 9" LOWERCASE HWY "D" ("B" OR "C" ONLY IF NECESSARY).
3. BORDER REQUIRED, 3M GREEN ON WHITE DIAMOND SHEETING, DOUBLE-SIDED.
4. POWER ILLUMINATED SIGN WITH LUMINAIRE DIRECTLY ABOVE TRAFFIC SIGNAL MAST ARM.

RETROREFLECTIVE SHEETING BORDER

(NTS)

BACKPLATE WITH RETROREFLECTIVE SHEETING BORDER

NOTES:
1. ALL MAST ARM MOUNTED TRAFFIC SIGNAL BACKPLATES SHALL HAVE A 2-INCH RETROREFLECTIVE ADHESIVE SHEETING BORDER ON THE ENTIRE OUTER PERIMETER OF THE FRONT SIDE OF THE BACKPLATE.
2. RETROREFLECTIVE SHEETING SHALL BE FLUORESCENT YELLOW, ASTM TYPE IV OR BETTER.
3. THE RETROREFLECTIVE SHEETING BORDER SHALL HAVE A MINIMUM OF 1/8 INCH CLEARANCE FROM ALL LOUVERS. NO RETROREFLECTIVE SHEETING SHALL BE PLACED OVER ANY LOUVERED AREA.
4. RETROREFLECTIVE SHEETING BORDER SHALL BE INSTALLED BY THE MANUFACTURER, AND MODIFICATIONS SHALL NOT BE MADE BY THE CONTRACTOR.
5. THE BACKPLATE WITH RETROREFLECTIVE SHEETING BORDER SHALL BE FROM THE SAME MANUFACTURER AS THE SIGNAL HEAD ASSEMBLY. THE COMPLETE SIGNAL HEAD ASSEMBLY, INCLUDING THE BACKPLATE, SHALL BE CAPABLE OF WITHSTANDING WINDS OF 90 MPH WITHOUT DAMAGE OR SEPARATION OF ANY PARTS FROM THE SIGNAL HEAD ASSEMBLY.
6. PICTURE SHOWN IS AN EXAMPLE OF A THREE SECTION HEAD. OVERALL LENGTH OF THE BACKPLATE AND NUMBER OF LOUVERS WILL VARY FOR OTHER SIGNAL HEAD ASSEMBLIES.

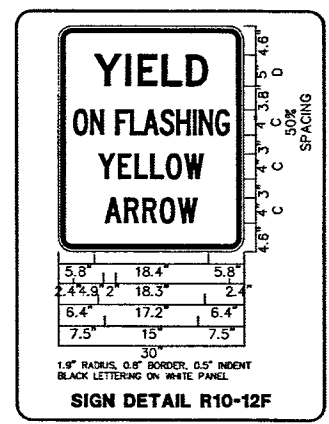


POLE SCHEDULE											
POLE	LOCATION STATION (OFFSET)	POLE			SIGNALS (VEH.)		SIGNALS (PED.)		PEDESTRIAN PUSH BUTTON		REMARKS
		TYPE	SIGNAL ARM QUAD. LENGTH	LUM. ARM QUAD. LENGTH	TYPE	QUAD.	TYPE	QUAD.	QUAD. (PHASE)	SIGN	
(A)	EXISTING	XX-A(E)	1 50'	1(E) 15'	M-4 M-2(2) B2-43	MAST ARM MAST ARM 3	W-3T	3	2(#6) 3(#4)	RT LT	EXISTING POLE. RECONSTRUCT CONCRETE CAP TO BE FLUSH WITH SIDEWALK. MOUNT NEW MAST ARM AND NEW LUMINAIRE ARM ON EXISTING POLE. CONTRACTOR SHALL FIELD WELD THE LUMINAIRE ARM ATTACHMENT PLATE USING A CERTIFIED WELDER. MOUNT R3-4 AND R10-12F ON MAST ARM. MOUNT STREET NAME SIGN PER SCHEDULE. REPLACE EXISTING LUMINAIRE WITH LED LUMINAIRE. INSTALL OPTICAL DETECTOR (ONE-WAY) ON M-2. INSTALL CCTV CAMERA WITH 10-FT EXTENSION POLE PER USDOCA STD. DWG. NO. 766 AND PROVIDE A VIDEO ENCODER TO RTC/FAST PER USS 685.
(B)	EXISTING	XX-A(E)	2 55'	1 15'	M-4 M-2(2) B2-43	MAST ARM MAST ARM 4	W-3T	4	3(#4) 4(#2)	RT LT	EXISTING POLE. RECONSTRUCT CONCRETE CAP TO BE FLUSH WITH SIDEWALK. MOUNT NEW MAST ARM AND NEW LUMINAIRE ARM ON EXISTING POLE. CONTRACTOR SHALL FIELD WELD THE LUMINAIRE ARM ATTACHMENT PLATE USING A CERTIFIED WELDER. MOUNT R3-4 AND R10-12F ON MAST ARM. MOUNT STREET NAME SIGN PER SCHEDULE. REPLACE EXISTING LUMINAIRE WITH LED LUMINAIRE. INSTALL OPTICAL DETECTOR (ONE-WAY) ON M-2.
(C)	EXISTING	XX-A(E)	3 50'	2 15'	M-4 M-2(2) B2-43	MAST ARM MAST ARM 1	W-3T	1	1(#8) 4(#2)	LT LT	EXISTING POLE. MOUNT NEW MAST ARM AND NEW LUMINAIRE ARM ON EXISTING POLE. CONTRACTOR SHALL FIELD WELD THE LUMINAIRE ARM ATTACHMENT PLATE USING A CERTIFIED WELDER. MOUNT R3-4 AND R10-12F ON MAST ARM. MOUNT STREET NAME SIGN PER SCHEDULE. REPLACE EXISTING LUMINAIRE WITH LED LUMINAIRE. INSTALL OPTICAL DETECTOR (ONE-WAY) ON M-2.
(D)	EXISTING	XX-A(E)	4 60'	3 15'	M-4 M-2(2) B2-43	MAST ARM MAST ARM 2	W-3T	2	3(#8) 4(#6)	LT RT	EXISTING POLE. RECONSTRUCT CONCRETE CAP TO BE FLUSH WITH SIDEWALK. MOUNT NEW MAST ARM AND NEW LUMINAIRE ARM ON EXISTING POLE. CONTRACTOR SHALL FIELD WELD THE LUMINAIRE ARM ATTACHMENT PLATE USING A CERTIFIED WELDER. MOUNT R3-4 AND R10-12F ON MAST ARM. MOUNT STREET NAME SIGN PER SCHEDULE. REPLACE EXISTING LUMINAIRE WITH LED LUMINAIRE. INSTALL OPTICAL DETECTOR (ONE-WAY) ON M-2.

(E) = EXISTING
ALL LUMINAIRE ARMS AND FIXTURES SHALL BE PER SUMMERLIN IMPROVEMENT STANDARDS (DWG. E-1 AND E-2)
ALL MAST ARM SIGNAL HEADS SHALL INCLUDE RETROREFLECTIVE SHEETING BORDERS. SEE DETAIL ON THIS SHEET.

CONDUIT AND WIRE SCHEDULE																		
WIRE & CABLE		FROM	TO	VIA CONDUIT														
EXISTING		NVE TRANSFORMER(E)	SERVICE PEDESTAL(E)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
4-#4 AWG. THW-2 OR XHHW-2		SERVICE PEDESTAL(E)	CONTROLLER															
25 CONDUCTOR #14 SIG. CABLE (NESA 20-1) 4-#10 AWG. THW-2 OR XHHW-2 OPTICOM M-136 CABLE. CCTV CABLE COHU MODEL CA 295H OR APPROVED EQUIVALENT (INCLUDE POWER)		CONTROLLER	POLE A															
25 CONDUCTOR #14 SIG. CABLE (NESA 20-1) 4-#10 AWG. THW-2 OR XHHW-2 OPTICOM M-136 CABLE		CONTROLLER	POLE B															
25 CONDUCTOR #14 SIG. CABLE (NESA 20-1) 4-#10 AWG. THW-2 OR XHHW-2 OPTICOM M-136 CABLE		CONTROLLER	POLE C															
25 CONDUCTOR #14 SIG. CABLE (NESA 20-1) 4-#10 AWG. THW-2 OR XHHW-2 OPTICOM M-136 CABLE		CONTROLLER	POLE D															
6-PR #18 AWG. MULT. C. LOOP LEAD-IN CABLE		CONTROLLER	DET #5B(2), #6C(2), #6D(2)															
6-PR #18 AWG. MULT. C. LOOP LEAD-IN CABLE		CONTROLLER	DET #1A, #1B(4), #1C, #1D(3)															
6-PR #18 AWG. MULT. C. LOOP LEAD-IN CABLE		CONTROLLER	DET #5A(2)															
6-PR #18 AWG. MULT. C. LOOP LEAD-IN CABLE		CONTROLLER	DET #4B(2), #4C(2), #4D(2)															
6-PR #18 AWG. MULT. C. LOOP LEAD-IN CABLE		CONTROLLER	DET #7A, #7B(3)															
6-PR #18 AWG. MULT. C. LOOP LEAD-IN CABLE		CONTROLLER	DET #4A(2)															
6-PR #18 AWG. MULT. C. LOOP LEAD-IN CABLE		CONTROLLER	DET #8B(2), #8C(2), #8D(2)															
6-PR #18 AWG. MULT. C. LOOP LEAD-IN CABLE		CONTROLLER	DET #3A, #3B(3)															
6-PR #18 AWG. MULT. C. LOOP LEAD-IN CABLE		CONTROLLER	DET #8A(2)															
6-PR #18 AWG. MULT. C. LOOP LEAD-IN CABLE		CONTROLLER	DET #2B(2), #2C(2), #2D(2)															
6-PR #18 AWG. MULT. C. LOOP LEAD-IN CABLE		CONTROLLER	DET #5A, #5B(4)															
6-PR #18 AWG. MULT. C. LOOP LEAD-IN CABLE		CONTROLLER	DET #2A(2)															
12-STRAND COCA, 6PR #22		CONTROLLER	TYPE 200 SV															
72-STRAND FIBER OPTIC CABLE, 6PR #22		TY 200 SV	TY 200 SV @CHARLESTON/DF															
CONDUIT SIZE (E) EXISTING				(E)	(E)	4-3" 1-3"	2-3" 1-3"	2-3" 1-3"	2-3" 1-3"	2-3" 1-3"	2-3" 1-3"	2-3" 1-3"	2-3" 1-3"	2-3" 1-3"	2-3" 1-3"	2-3" 1-3"	2-3" 1-3"	2-3" 1-3"

-A NO. 8 GROUNDING WIRE SHALL BE RUN FROM THE CONTROLLER CABINET TO EACH SIGNAL POLE BASE.
-CONDUIT INSTALLATIONS AND ASSOCIATED PAYMENT PATCHES SHALL BE IN CONFORMANCE WITH USDOCA DWG. NOS. 500.1, 500.2, 500.3, AND 733.
-ALL RIGHT TURN LANE LOOPS SHALL BE ON A DETECTION DELAY.
-NO MORE THAN 4 LOOPS SHALL BE CONNECTED TO A SINGLE LOOP LEAD-IN PAIR.
-TWO LOOP "TAILS" MAXIMUM PER SAWCUT.
-DO NOT CONNECT LOOP LEAD IN CABLES FOR LOOP DETECTORS 1C AND 1D.
-REMOVE AND REPAIR EXISTING INTERSECTION LIGHTING CONDUCTORS AS NEEDED.



THE HOWARD HUGHES COMPANY, LLC

TRAFFIC SIGNAL SCHEDULES AT DESERT FOOTHILLS DR/ALTA DR

TRAFFIC SIGNAL SCHEDULES AND DETAILS

DRAWING 5

5 OF 7 SHEETS

SIGNING AND STRIPING NOTES

- 24-INCH WHITE CROSSWALK (PMF-TYPE 2) (USDCCA STD. DWG. NO. 254)
- 24-INCH WHITE STOP LINE (PMF-TYPE 2) (USDCCA STD. DWG. NO. 254)
- WHITE PAVEMENT ARROW (PMF-TYPE 2)
- WHITE PAVEMENT "ONLY" (PMF-TYPE 2)
- BIKE LEGEND (PMF-TYPE 2) (USDCCA STD. DWG. NO. 244.9)
- REMOVE EXISTING STRIPING
- STORAGE LANE LINE (RPM) (USDCCA STD. DWG. NO. 246)
- 24-INCH WHITE CHEVRON MARKING (PMF-TYPE 1) (USDCCA STD. DWG. NO. 245)
- CONSTRUCT CONCRETE SIDEWALK TO PROVIDE PROWAG - COMPLIANT CLEARANCE (USDCCA STD. DWG. NO. 234)
- EXISTING SIGN(S) TO REMAIN
- REMOVE AND SALVAGE SIGN(S) (STOP SIGNS TO BE REMOVED AFTER SIGNAL ACTIVATION)

CONTRACTOR SHALL COORDINATE WITH THHC ON ANY MODIFICATIONS TO IRRIGATION OR LANDSCAPING.

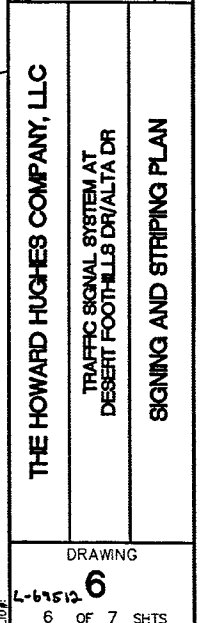
NOTES

- UNLESS OTHERWISE INDICATED ON THE PLANS, THE BASE OF TURN ARROW LEGENDS SHALL BE LOCATED AT THE BEGINNING OF THE STORAGE LINE, 18 FT FROM THE END OF THE STORAGE LINE, AND EQUALLY SPACED IN BETWEEN.
- CROSSWALK SHALL BE CENTERED ON SIDEWALK RAMP FROM CORNER TO CORNER WITHOUT ANGLE BREAKS UNLESS OTHERWISE NOTED. STOP BARS SHALL BE 4 FT MINIMUM FROM CROSSWALK AND PERPENDICULAR TO TRAVEL LANE UNLESS OTHERWISE NOTED.

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STATE OF NEVADA



SIGNING AND STRIPING NOTES

- 1) 24-INCH WHITE CROSSWALK (PMF-TYPE 2)
(USDCCA STD. DWG. NO. 254)
- 2) 24-INCH WHITE STOP LINE (PMF-TYPE 2)
(USDCCA STD. DWG. NO. 254)
- 3) WHITE PAVEMENT ARROW (PMF-TYPE 2)
- 4) WHITE PAVEMENT "ONLY" (PMF-TYPE 2)
- 5) BIKE LEGEND (PMF-TYPE 2)
(USDCCA STD. DWG. NO. 244.9)
- 6) REMOVE EXISTING STRIPING
- 7) STORAGE LANE LINE (RPW)
(USDCCA STD. DWG. NO. 246)
- 8) 24-INCH WHITE CHEVRON MARKING (PMF-TYPE 1)
(USDCCA STD. DWG. NO. 245)
- 9) CONSTRUCT CONCRETE SIDEWALK TO PROVIDE
PROWAG - COMPLIANT CLEARANCE (USDCCA
STD. DWG. NO. 234)
- E) EXISTING SIGN(S) TO REMAIN
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TO BE REMOVED AFTER SIGNAL ACTIVATION)

**CONTRACTOR SHALL COORDINATE WITH THHC ON ANY
MODIFICATIONS TO IRRIGATION OR LANDSCAPING.**

NOTES

1. UNLESS OTHERWISE INDICATED ON THE PLANS, THE BASE OF TURN ARROW LEGENDS SHALL BE LOCATED AT THE BEGINNING OF THE STORAGE LINE, 18 FT FROM THE END OF THE STORAGE LINE, AND EQUALLY SPACED IN BETWEEN.
2. CROSSWALK SHALL BE CENTERED ON SIDEWALK RAMPS FROM CORNER TO CORNER WITHOUT ANGLE BREAKS UNLESS OTHERWISE NOTED. STOP BARS SHALL BE 4 FT AWAY FROM CROSSWALK AND PERPENDICULAR TO TRAVEL LANE UNLESS OTHERWISE NOTED.

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AS Build LVE Brad Wyatt 1/3/2018

FIBER OPTIC NOTES

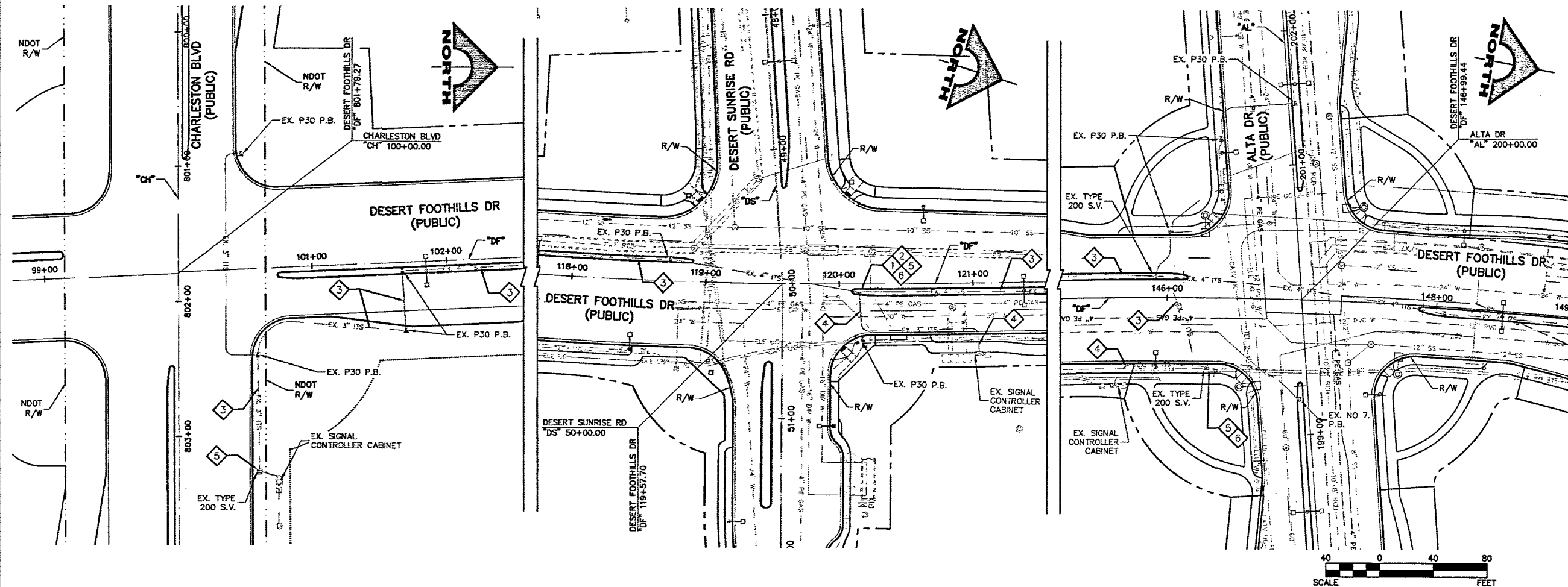
1. CONTRACTOR SHALL CONTACT JESUS MARMOLEJO AT 702-604-7078 TWO(2) WEEKS IN ADVANCE FOR FIBRE OPTIC SPLICE DETAILS.
2. SLACK SHALL BE PROVIDED IN EACH PULLBOX P.B. (30 FT) AND TYPE 200 S.V. (120 FT) UNLESS OTHERWISE NOTED. SEE PULLBOX SCHEDULE FOR P30 LOCATIONS.
3. PULL BOXES/VAULTS SHALL NOT BE INSTALLED IN SIDEWALK RAMPS OR DRIVEWAYS.
4. CONDUIT ROUTING IS SCHEMATIC FOR THE PURPOSE OF CLARITY AND MAY DIFFER FROM ACTUAL INSTALLATION. FINAL LOCATION SHALL BE DETERMINED IN THE FIELD BY THE ENGINEER.
5. ALL EXISTING ITS INFRASTRUCTURE SHALL BE MAINTAINED UNLESS OTHERWISE SPECIFIED OR DIRECTED BY THE ENGINEER.
6. PULL BOXES, VAULTS, AND CONDUIT SHALL BE INSTALLED WITHIN RIGHT-OF-WAY OR EASEMENTS. CONTRACTOR SHALL VERIFY PRIOR TO INSTALLATION.
7. LOCATIONS OF THE PROPOSED FIBER OPTIC SYSTEM PULL BOXES AND VAULTS SHOWN ON THE PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MARKING THE LOCATIONS IN THE FIELD. THESE LOCATIONS SHALL BE SUBJECT TO APPROVAL BY THE ENGINEER BEFORE INSTALLATION.
8. WHERE NEW CONDUIT CROSSES EXISTING SEWER AND WATERLINES, PROTECT SEWER AND WATERLINE IN PLACE. WHERE NEW CONDUIT IS PARALLEL TO EXISTING SEWER AND WATERLINES, MAINTAIN MINIMUM HORIZONTAL CLEARANCE OF 3 FEET. MAINTAIN MINIMUM 6" CLEARANCES AT ALL CROSSINGS.
9. WHERE NEW CONDUIT CROSSES EXISTING GAS LINES, PROTECT GAS LINES IN PLACE.
10. PROTECT IN PLACE EXISTING STORM DRAIN AND SANITARY SEWER MAINS, LATERALS AND MANHOLES AND STORM DRAIN DROP INLETS DURING CONSTRUCTION.
11. IF EXISTING SIDEWALKS AND/OR CURB AND GUTTER IS DAMAGED DURING CONSTRUCTION, CONTRACTOR SHALL REPLACE TO NEAREST EXISTING CONSTRUCTION JOINTS.

CONSTRUCTION NOTES

- ## INSTALLATION NOTES
- 1 REMOVE EXISTING PULL BOX
 - 2 INSTALL TYPE 100 VAULT (SEE DETAIL "A" ON SHEET 5)
 - 3 INSTALL 72-STRAND FIBER OPTIC CABLE WITH 6PR #22 PE CABLE IN EXISTING CONDUIT FROM EXISTING TYPE 200 S.V. AT NEC. OF CHARLESTON/DESERT FOOTHILLS TO EXISTING TYPE 200 S.V. AT SEC. ALTA/DESERT FOOTHILLS. SEE PULL BOX SCHEDULE FOR P30 LOCATIONS
 - 4 INSTALL 12-STRAND CDCA IN EXISTING CONDUIT
 - 5 INSTALL SPLICE ENCLOSURE AND PERFORM FIBER OPTIC SPLICE
 - 6 FURNISH TO RTC/FAST A LAYER 2 FIELD-HARDENED ETHERNET SWITCH FOR EACH CDCA (U.S.S. SECTION 684)

PULL BOX SCHEDULE

STATION	LOCATION	REMARKS
"DF" 105+50	MEDIAN	EXISTING P30
"DF" 109+98	MEDIAN	EXISTING P30
"DF" 113+94	MEDIAN	EXISTING P30
"DF" 124+45	MEDIAN	EXISTING P30
"DF" 128+48	MEDIAN	EXISTING P30
"DF" 132+51	MEDIAN	EXISTING P30
"DF" 134+28	MEDIAN	EXISTING P30
"DF" 138+08	MEDIAN	EXISTING P30
"DF" 142+28	MEDIAN	EXISTING P30



THE HOWARD HUGHES COMPANY, LLC

TRAFFIC SIGNAL SYSTEM AT
DESERT FOOTHILLS DR/ALTA DR

ITS IMPROVEMENTS

DRAFTING

L-69512 7

7 OF 7 SHOTS