

Call before you OVERHEAD
1-702-227-2929
NEVADA POWER ENVIRONMENT AND SAFETY SERVICES DEPARTMENT

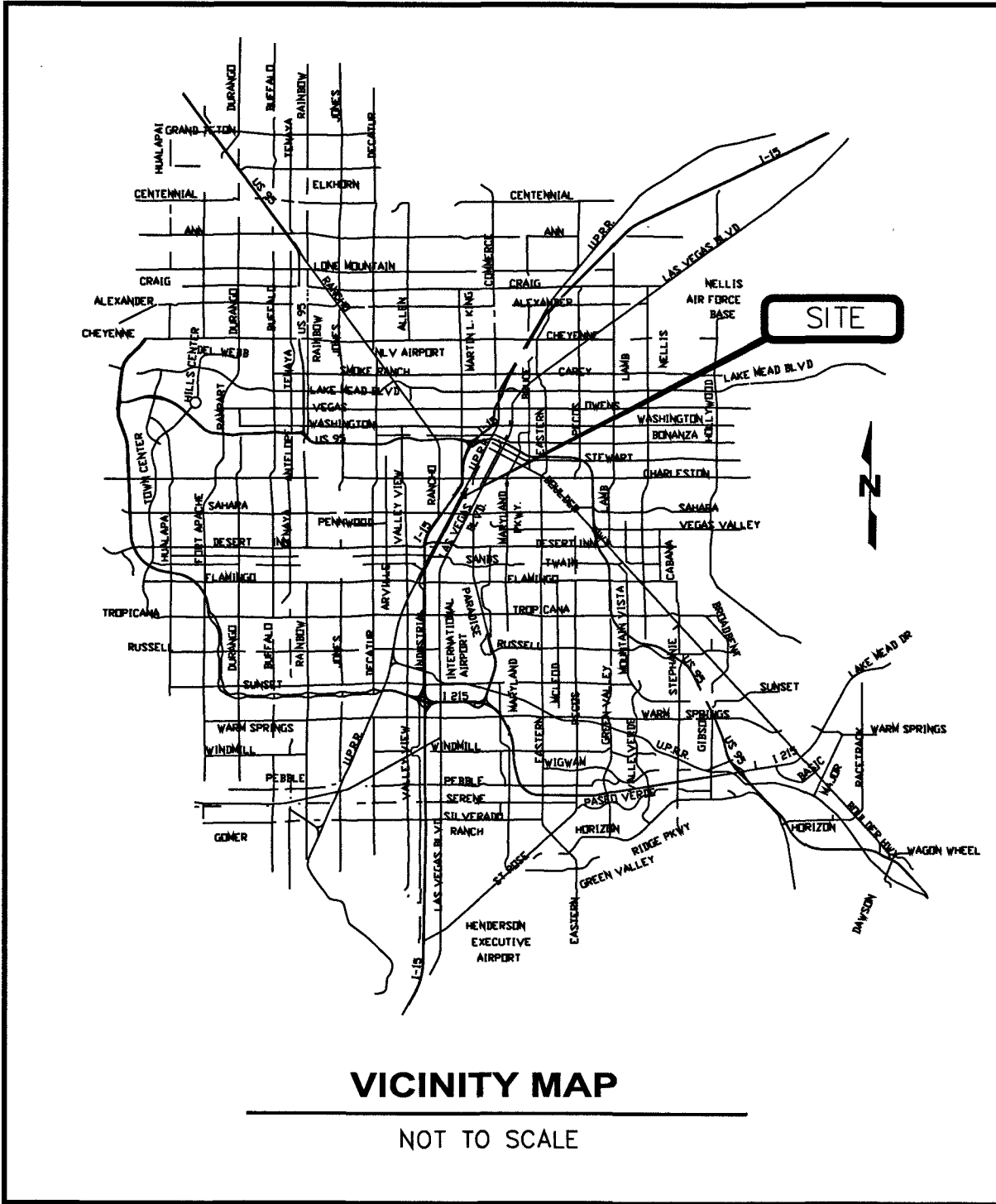
Call before you UNDERGROUND
1-702-455-7511
CLARK COUNTY TRAFFIC OPERATIONS
1-702-229-6611
LAS VEGAS AREA SUPPLIES TRUCK TRAILERS

Call before you Dig.
811 OR 1-800-227-2600
UNDERGROUND SERVICE ALERT (USA)

100 EAST CALIFORNIA STREET SEWER

APN # 162-03-110-081

100 E. CALIFORNIA STREET
LAS VEGAS, NEVADA 89104



APPROVALS

Allen Pavelka, P.E. #9029
CITY OF LAS VEGAS CITY ENGINEER
3-26-19
DATE

APPROVAL OF THESE PLANS IS LIMITED TO THOSE IMPROVEMENTS CONSTRUCTED IN THE DEDICATED RIGHT-OF-WAY AND/OR DEDICATED EASEMENTS. THIS APPROVAL DOES NOT AUTHORIZE THE CONSTRUCTION OF ANY IMPROVEMENTS THAT DEVIATE FROM ADOPTED STANDARDS AND/OR SPECIFICATIONS EXCEPT THOSE SPECIFICALLY LISTED UNDER DEVIATIONS FROM STANDARD. THE ENGINEER SHALL RESOLVE ANY DEVIATION OTHER THAN THOSE LISTED IN DEVIATIONS FROM STANDARDS IN FAVOR OF THE UNIFORM STANDARD DRAWINGS AND SPECIFICATIONS CLARK COUNTY AREA NEVADA.

City of Las Vegas Planning Department
THIS PLAN MEETS THE APPLICABLE STANDARDS OF THE PLANNING DEPARTMENT.
032619
DATE

N/A
LAS VEGAS FIRE & RESCUE
1/31/19
DATE

Las Vegas Valley Water District Engineering Services
PROJECT # 136388 DATE 3-26-19
(SHEETS 1, 2 & 3)
LVVWD APPROVED FIRE FLOW 0 GPM AT 20 PSI RESIDUAL

Barbara Garrison
NV ENERGY
3-21-19
DATE

NV ENERGY ACKNOWLEDGES THAT WE HAVE RECEIVED YOUR PLANS AND WILL PROVIDE SERVICE TO ALL ELECTRICAL NEEDS ASSOCIATED WITH THIS PROJECT. NEVADA POWER COMPANY 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.

Southwest Gas Corporation
3-21-19
DATE

Cox Communications Las Vegas Inc.
3-17-19
DATE

Central Telephone Company, d/b/a Century Link
3/19/19
DATE

"THE AFFIXED EMBARGO 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 RULES AND REGULATIONS."

ENGINEER

DLC CONSULTING
2885 E. QUAIL AVE.
LAS VEGAS, NEVADA 89120
PHONE: (702) 521-7021

NUMBER OF SPACES

5 SUITES

OWNER/DEVELOPER

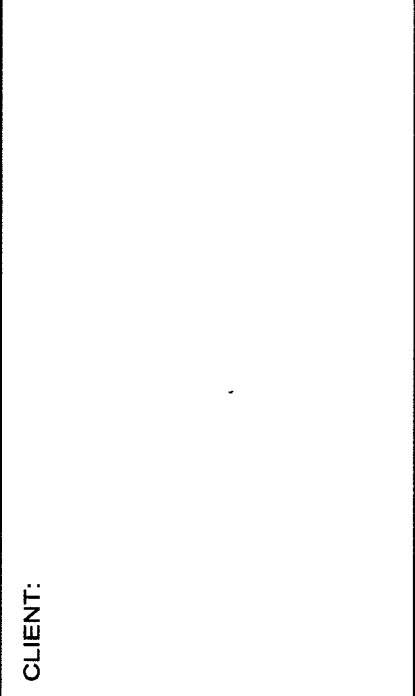
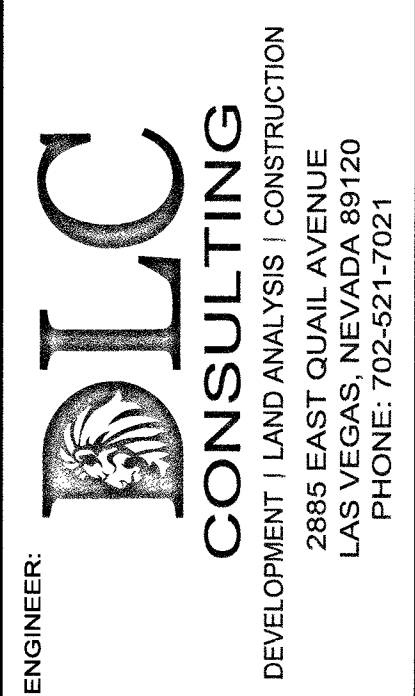
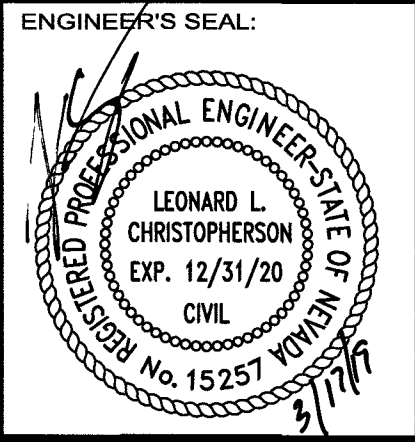
MAIN STREET INVESTMENTS II L.L.C.
P.O. BOX 93033
LAS VEGAS, NV 89193

SHEET INDEX

1. COVER SHEET
2. NOTES AND QUANTITIES SHEET
3. UTILITY PLAN

"The engineer should contact the Nevada Division of Environmental Protection (NDEP) to obtain a National Pollutant Discharge Elimination System (NPDES) permit prior to construction. All construction projects one acre or larger must apply for the permit through the NDEP. All questions regarding the NPDES permit requirements should be directed to the NDEP (775) 687-9429."

#	DATE / DESCRIPTION



PROJECT: SEWER CONNECTION
100 E. CALIFORNIA STREET
LAS VEGAS, NV 89104
APN: 162-03-110-081

SHEET TITLE: COVER SHEET

DATE: MAR. 16, 2019

SCALE: N/A

SHEET NUMBER: 1 OF 3

L19-00109

LAS VEGAS VALLEY WATER DISTRICT STANDARD NOTES

LVVWD PROJECT # 136388 (REVISED 08/01/2017)

1.0 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 conform to Section 2.22 of the 2010 Edition of the UDACS.

9. All water facilities and appurtenances shall be disinfected, pressure tested and have an acceptable passing health water sample obtained prior to operation and use.

10. The contractor must obtain all meters two (2) inches and smaller from LVVWD Central Stores. Telephone 258-3152 or 258-3802, two (2) working days prior to meter pickup.

11. Any interruption of service must be performed in accordance with UDACS Section 3.14.01, and approved by the LVVWD Inspection Division prior to shutdown. Proper written notification must be given to all affected customers.

12. All water facility construction materials used must be as listed on the LVVWD Pre-Approved Products List for New Facilities, latest revision, or specifically approved on these plans by submitting shop drawings.

13. Telephone "Call Before You Dig" at "811" or 1-800-227-2600.

14. The installation of Las Vegas Valley Water District (LVVWD) municipal water facilities within all streets is assumed to be in compliance with the Uniform Standards, including the placement of asphalt paving street surfaces. Any repair work done by the LVVWD to the municipal water facilities will include the placement of an appropriately sized asphalt repair patch on the street surface.

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 surface materials placed within the ten foot easement abutting a public or private street, if disturbed by the LVVWD during the repair or operation of its facilities, will be replaced by LVVWD with an appropriately sized plain finish concrete patch. The LVVWD will not restore, and will not be responsible for the restoration of, any decorative paving surface within the street. The LVVWD will not attempt to match color or finish of any adjacent materials.

15. NO LEAD COMPLIANCE NOTE TO COMPLY WITH THE FEDERAL SAFE DRINKING WATER ACT, ALL WATER WORKS BRASS PRODUCTS PROPOSED TO BE RELOCATED, OR INSTALLED AS NEW MUST BE INSTALLED WITH THE LEAD FREE APPROVED PRODUCT. THE OLD LEADED PRODUCT MAY NOT BE REUSED.

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:

A. PAVEMENT AREA SUBGRADE 0.1+/- 0.0+/- TO -0.1" SEE SOLS REPORT

B. ENGINEERED FILL 0.5+/- 0.1+/- TO -0.1" SEE SOLS REPORT

COMPACTATION TESTING WILL BE PERFORMED BY THE OWNER OR HIS REPRESENTATIVE.

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, THE OWNER AGREES TO PROVIDE AND INSTALL SUCH ITEM AT HIS OWN EXPENSE AND AT THE DIRECTION OF THE CITY ENGINEER. TEMPORARY CONSTRUCTION INCLUDES DITCHES, BERMES, ROAD SIGNS AND BARRICADES, ETC.

REVISED 04/15/10

LAS VEGAS FIRE & RESCUE GENERAL NOTES

1. All work shall be done in strict accordance with the Las Vegas Fire and Rescue adopted Fire Code Ordinance # 6325 for Hydrant Specifications and Hydrant Installation Specifications.

2. Only fire hydrants that are on the Las Vegas Valley Water District's - Approved Products List are allowed to be installed

3. A permit is required from Las Vegas Fire and Rescue for the installation of on-site water lines and fire hydrants. The permit and contractors material test certificate for underground piping form shall be obtained from the Fire Protection Engineer before commencement of work. IFC 105.7.12

4. On any residential or commercial installations, fire hydrants shall be installed and fire apparatus access roads shall be maintained before commencement of any combustible construction. All fire hydrants shall be in good working order and shall be capable of delivering the required fire flow. IFC 310.10, 3312

5. To identify the fire hydrant locations, the contractor shall place a blue reflective marker at the center line of the street adjacent to the fire hydrants. IFC 507.5.7.3

6. All underground inspections, pressure and flush verifications of all fire hydrants and fire lines, shall be conducted before covering the lines. Center loading is acceptable for the hydro tests with prior Fire Prevention approval IFC 106.3

7. All on-site underground water mains and materials shall be U.L. listed, A.W.W.A approved and shall be rated for the appropriate working pressure. IFC 507.2.1, NFPA 24

8. Painting of curbs, fire hydrants, pads, protection of fire hydrants from physical damage, and all other work necessary per plans shall be completed before approval by Las Vegas Fire and Rescue, Fire Prevention division. IFC 507

9. Private hydrants shall be painted RED. IFC 507.5.7.1

10. Prior to the final occupancy, a fire flow test shall be witnessed by Las Vegas Fire and Rescue, Fire Prevention Division to verify availability of the required fire flow. IFC 507

11. Fire hydrant spacing shall be as follows: IFC C102 Residential - 500 ft unspinklered; 400 ft sprinklered. Commercial - 300 ft unspinklered; 600 ft sprinklered.

12. Where the water mains are extended along streets or new streets are installed where fire hydrants are not needed for protection of the structures, fire hydrants shall be installed at a maximum of 1000 ft spacing, to provide for transportation hazards. Where streets are provided with median dividers or have four (4) or more traffic lanes and have a traffic count of more than 30,000 per day, hydrants are required on each side of the street spaced at 500 ft on an alternating basis. IFC C102.8

13. No fire hydrants shall be located within the radius of a cul-de-sac or within 20 ft of the perimeter of the radius of the cul-de-sac.

14. No fire hydrants shall be located within 6 ft of any curb return, driveway, power pole, streetlight or any other obstruction. IFC C102.12

15. A maximum distance from a fire hydrant to a one-to-one family dwelling shall not exceed 300 ft, as measured by an approved route. IFC 102.4

16. The maximum distance from a fire hydrant to a Fire Department Connection (FDC) shall not exceed 100 ft, as measured by an approved route. IFC C102.7

17. The maximum distance from a hydrant to the end of a dead-end street shall not exceed 200 ft. IFC C102.6

18. Two (2) sources of supply are required whenever there is 4 or more fire hydrants/sprinkler lead-ins are installed on a single system. Sectional control valves shall be installed so that no more than 2 fire hydrants can be out of service due to a break in a water main. IFC C104

19. All fire apparatus access roads shall be paved to provide all-weather driving capabilities, and shall be designed and maintained to support the imposed loads of the fire apparatus. IFC 503.2.3

20. The gradient for the fire apparatus access roads shall not exceed 12%. Angles of approach and angles of departure shall not exceed 6% for 25 ft prior to or after the grade change. Adjacent to the structures gradient shall not exceed 6%. IFC 503.2.7 / 503.2.8

21. The turning radius of the fire apparatus access roads shall be no less than 52 ft outside and 28 ft inside turning radius. IFC 503.2.4

22. Vertical clearance of all fire apparatus access roads shall not be less than 13ft 6 ins. IFC 503.2.1

23. Fire department access shall have a minimum unobstructed width of not less than 40ft flow line to flow line with parallel parking permitted on both sides. Not less than 32 ft wide flow line to flow line, where parking is permitted only on one side of the fire apparatus road. Not less than 24 ft wide, flow line to flow line, where no parking is permitted on either side. Fire lanes through parking lots shall not be less than 24ft IFC 503.2.1.1

24. A fire apparatus access road shall be required when any portion of an exterior wall of the first story is located more than 150ft from a fire department vehicle access. This distance could be increased to 250 ft if the building is sprinklered. IFC 503.1.1

25. Approved secondary fire apparatus access shall be provided for 100 or more dwelling units, road(s) with dead-ends or with a single point of access in excess of 600 ft. Commercial, industrial, developments where buildings exceed 2 stories or 30 feet in height, or exceeding 62,000 square feet in area. IFC 503.1.2

26. All dead-end fire apparatus roads and/or fire lanes, public or private, in excess of 150 ft in length shall be provided with an approved turn around having a minimum diameter of 81 ft. IFC 503.2.5

27. All fire apparatus access roads shall be marked by placing approved signs at the start of the designated fire lane, one sign at the end of the fire lane and with signs at intervals of 100 ft along the designated fire lanes. Signs to be placed on both sides of an access roadway if needed to prevent parking on either side. Signs to be installed no higher than 10 ft or less than 6 ft from the roadway level. The curb along or on the pavement or cement (if no curb is provided) shall be painted with a red weather resistant paint in addition to the signs. IFC 503.3

28. Electrically controlled access gates shall be provided with an approved emergency vehicle detector/receiver system. Said system shall be installed in accordance with the City of Las Vegas guidelines for Automatic Emergency Vehicle Access Gates. IFC 503.6

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 Building Code 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 on 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, at his own expense, locate all underground and overhead interferences 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 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, maximum every 300' in extruded-type curb.

8. AC pavement to be one-half inch (1/2") above lip of all gutters after compaction, except at sidewalk ramps 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 216.

10. Sidewalk ramps shall be constructed in each quadrant of an intersection per standard drawing 235. Exact location of ramps may be adjusted in the field by a City Inspector.

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 sewer lines may be adjusted or determined in the field by a City of Las Vegas Engineer if location on plans is not clearly shown, or existing pavement condition requires relocation.

14. The Contractor shall take all precautions necessary to protect existing permanent survey monuments. Any monuments disturbed shall be replaced and adjusted per available records in accordance with N.R.S. Statute No. 625.380 & City of Las Vegas Title 18, Appendix D.

15. Utility company meter boxes, manhole lids, valve covers, etc., shall be located out of driveways, driveway aprons, roadways, and cross gutters unless written approval is granted by the utility company and the City Engineer.

Wall Notes:

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 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 inlets, 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 MDOF 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 Offsite Inspection and Testing certifying that all devices have been placed and verified to be in good working condition prior to the construction of any road base.

21. AFTER HAUNCHING AND PRIOR TO BACKFILL OPERATIONS WHICH WOULD COVER SANITARY SEWER AND STORM DRAIN FACILITIES, CONTRACTOR IS REQUIRED TO SCHEDULE CLV OPEN-TRENCH UTILITY SURVEY INSPECTION FOR DETERMINATION OF FINAL LOCATION COORDINATES. FACILITIES TO BE LOCATED BY CLV SHALL INCLUDE: AT A MINIMUM 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, SEWER AND STORM DRAIN MAIN ALIGNMENT, INCLUDING DEFLECTION POINTS, OR () MAY BE USED ONLY ON PROJECTS ASSOCIATED WITH A TENTATIVE MAP CONTAINING 5 LOTS OR MORE)

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, SEWER 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 SHALL BE SEALED AND CERTIFIED BY A NEVADA PROFESSIONAL LAND SURVEYOR TO HAVE POSITIONAL CERTainties OF 0.3 FEET HORIZONTALLY AND 0.3 FEET 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).

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

UTILITY NOTE

UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO DETERMINE THE EXACT VERTICAL AND HORIZONTAL LOCATION OF ALL EXISTING UNDERGROUND UTILITIES PRIOR TO COMMENCING CONSTRUCTION. NO REPRESENTATION IS MADE THAT ALL EXISTING UTILITIES ARE SHOWN HEREON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN OR UTILITIES NOT SHOWN IN THEIR PROPER LOCATION.

CALL BEFORE YOU DIG: 1-800-227-2600

THIS PROPERTY MAY HAVE STATIC WATER PRESSURE IN EXCESS OF 80 PSI.

THE UNIFORM PLUMBING CODE REQUIRES THAT INDIVIDUAL, ON-SITE (PRIVATE) PRESSURE REDUCING VALVES BE INSTALLED WHENEVER THE PRESSURE EXCEEDS 80 PSI. PRVS ARE THE DEVELOPER'S RESPONSIBILITY AND WILL NOT BE INSPECTED OR INCLUDED IN THE ACCEPTANCE OF THE CITY OF HENDERSON FACILITIES.

ABBREVIATIONS

AB	AGGREGATE BASE	MIN	MINIMUM	ELEV	ELEVATION	SEW	SEWER
AC	ASPHALTIC CONCRETE	N	NORTH	EP	EDGE OF PAVEMENT	SW	SIDEWALK
ACP	ASBESTOS CEMENT PIPE	NTS	NOT TO SCALE	ESM	EASEMENT	TC	TOP OF CURB
ADJUST	ADJUST	OC	ON CENTER	EV	EDGE OF PAVEMENT	TG	TOP OF GRATE
AGC	AGGREGATE	P	POWER	EVC	END OF VERTICAL CURVE	TMH	TOP OF MANHOLE
BE	BEGIN	PO	PULL BOX	EV	EXISTING	TRF	TRAFFIC SIGNAL
BVC	BEGIN CURB	PC	POINT OF CURVE	FF	FLOOR FINISH	TOW	TOP OF WALL
BVR	BEGIN CURB RETURN	PCC	POINT OF COMPOUND CURVE	FG	FINISH GRADE	UVC	UNSYMMETRICAL VERTICAL CURVE
BWM	BENCH MARK	PL	POINT OF INTERSECTION	FT	FEET OR FOOT	V	VARIABLE
BWL	BOTTOM WALL	PI	PARKING METER	FL	FLOW LINE	VC	VERTICAL CURVE
C	CENTERLINE	PUB	PUBLIC	G	GALVE	VCP	VITRIFIED CLAY PIPE
C/F	CUBIC FEET	PRC	POINT OF REVERSE CURVE	GA	GALVE	VB	VALVE BOX
CW	CURB INLET	PWC	POINT OF TANGENCY	GB	GRADE BREAK	WC	WATER
E	EAST	PW	POLY VINYL CHLORIDE	HGL	HYDRAULIC GRADE LINE	WM	WATER METER
CMU	CONCRETE MASONRY UNIT	PT	POINT OF VERTICAL INTERSECTION	HS	HIGH POINT	WS	WATER SERVICE
CO	CLEAN OUT	RT	RADIUS POINT	IE	INVERT ELEVATION	XX(XX)	EXISTING ELEVATION
CONC	CONCRETE	RR	RAILROAD	IN	INVERT	XX	EXISTING PAVEMENT GRADE
CONST	CONSTRUCTION	S	SLOPE	INV	INVERT	Δ	DELTA
CONT	CONTINUOUS	SD	STORM DRAIN	ISL	ISLAND	E	EXTERNAL ORDNATE
CULV	CULVERT	SP	SQUARE FEET	LSL	LATERAL	Δ	DELTA
DE	DETAILED	SHT	SHEET	LF	LINEAR FEET	D/W	DRIVEWAY
DI	DITCH	SM	SEWER IMPROVEMENT STANDARDS	LP	LOW POINT	M/L	MONUMENT LINE
DIA	DIAMETER	SS	SANITARY SEWER	LVVWD	LAS VEGAS VALLEY WATER DISTRICT	S/W	RIGHT OF WAY
E	EAST	STA	STATION	M/H	MANHOLE	T/L	TRACT LINE
EGL	ENERGY GRADE LINE	STD	STANDARD			LS	LANDSCAPE

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

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

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

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

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

9. STREET SIGNS AND STOPS 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 NWSA WORK ZONE SAFETY SPECIALIST SET UP, MAINTAIN AND/OR REMOVE ALL TRAFFIC CONTROL DEVICES IN THE CITY OF LAS VEGAS RIGHT OF WAY.

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

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

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 DETERMINED BY THE CITY OF LAS VEGAS TRAFFIC ENGINEER.

15. THE CONTRACTOR SHALL CONTACT THE TRAFFIC ENGINEERING DIVISION (TRANSPORTATION SECTION) THROUGH THE PROJECTS 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.

REVISED 04/15/10

CITY OF LAS VEGAS STREETLIGHT NOTES

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 SPECIFICATIONS 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 TRAFFIC ENGINEERING AND THE CITY ENGINEER.

3. ALL EXISTING STREET LIGHTING SHALL REMAIN OPERATIONAL DURING CONSTRUCTION.

4. ALL STREET LIGHTING CONDUITS SHOWN SHALL HAVE AT LEAST ONE GREEN #8 THW WIRE INSTALLED, AS TRACER WIRE WHEN EMPTY CONDUIT IS COMPLETELY INSTALLED FROM PG TO PG. IT SHALL HAVE MINIMUM OF 2 #4 AND 1 #8 THW WIRE WITH THE ENDS TAPED OR "SAFE OFF" PRIOR TO FINAL INSPECTION.

5. ANY STRUCTURE SUCH AS BLOCK WALLS, CHAIN LINK FENCES, RETAINING WALLS, ETC., SHALL LEAVE A MINIMUM CLEARANCE IN ACCORDANCE WITH THE USD NO. 320A.

6. AS-BUILT DRAWINGS SHALL BE SUPPLIED TO THE TEF0 PRIOR TO ANY PRE-FINAL INSPECTION. THE ASBUILT DRAWING NEEDS TO BE STAMPED AS-BUILT AND SIGNED BY THE PREPARER.

7. SERVICE POINT SHALL BE COORDINATED WITH NV ENERGY COMPANY, AND WHEREVER POSSIBLE, BE LOCATED NEAR THE CENTER OF THE CIRCUIT. SERVICE POINTS SHALL BE SHOWN ON THE CIVIL PLANS.

8. IT SHALL BE ASSUMED THAT IN THE ABSENCE OF AN EXISTING, WORKABLE CIRCUIT TO ATTACH TO, ALL INSTALLATIONS SHALL REQUIRE A NEW SERVICE FOR OPERATION OF THE CIRCUIT.

9. WHEREVER THERE IS AN OVERHEAD UTILITY THAT MAY CONFLICT WITH THE INSTALLATION OF STREET LIGHTING ORDNATES AND/OR POLES, THESE CONFLICTS MUST BE RESOLVED BETWEEN THE DEVELOPER AND THE UTILITIES INVOLVED, AT NO EXPENSE TO THE CITY OF LAS VEGAS, BEFORE STREETLIGHT BASES ARE INSTALLED.

10. THE CONTRACTOR SHALL FURNISH COMPLETE SERVICE TO TRANSFORMERS AND CONTROL SYSTEMS IF REQUIRED ON PLANS.

11. 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

DRAWING:

Call before you Dig.
1-800-227-2600
UNDERGROUND SERVICE ALERT (USA)

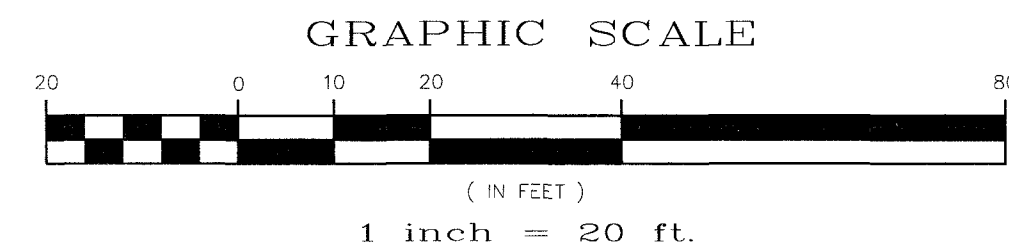
Call before you OVERHEAD
1-702-227-2929
NEVADA POWER ENVIRONMENT AND SAFETY SERVICES DEPARTMENT

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.

ABANDONMENT OF EXISTING SERVICES
(2-INCH AND SMALLER)

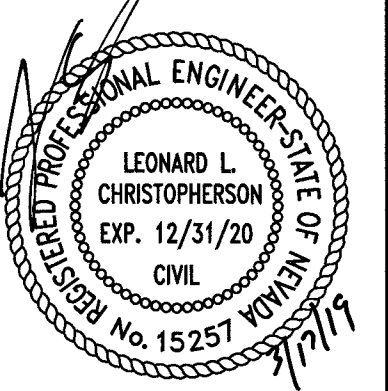
IF ANY OF THE EXISTING SERVICES ARE INCORRECTLY LOCATED OR NOT TO BE USED WITH THIS PROJECT, THIS PROJECT SHALL ABANDON THE LATERALS AT THE CONNECTION TO THE ACTIVE MAIN IN ACCORDANCE WITH UDACS SECTION 2.17.04 A AND COORDINATED WITH THE LVVWD INSPECTOR.



LEGEND

	EXISTING/ ADJACENT RIGHT-OF-WAY LINE
	EXISTING EDGE OF PAVEMENT
	PROPERTY LINE
	CENTER LINE
	SAWCUT LIN
	EXISTING SEWER LINE/ MANHOLE
	PROPOSED SEWER LINE/ CLEANOUT
	EXISTING WATER LINE/ VALVE
	PROPOSED WATER LINE
	EXISTING FIRE HYDRANT
	PROPOSED FIRE HYDRANT
	EXISTING BUILDING
	PROPOSED BUILDING
	PROPOSED SIGN
	PROPOSED FDC

ENGINEER'S SEAL:



ENGINEER:

CLIENT:

DLC
CONSULTING
DEVELOPMENT | LAND ANALYSIS | CONSTRUCTION
2885 EAST QUAIL AVENUE
LAS VEGAS, NEVADA 89120
PHONE: 702-521-1021

PROJECT:
SEWER CONNECTION
100 E. CALIFORNIA STREET
LAS VEGAS, NV 89104
APN: 162-03-110-081

SHEET TITLE:
UTILITY PLAN

DATE:

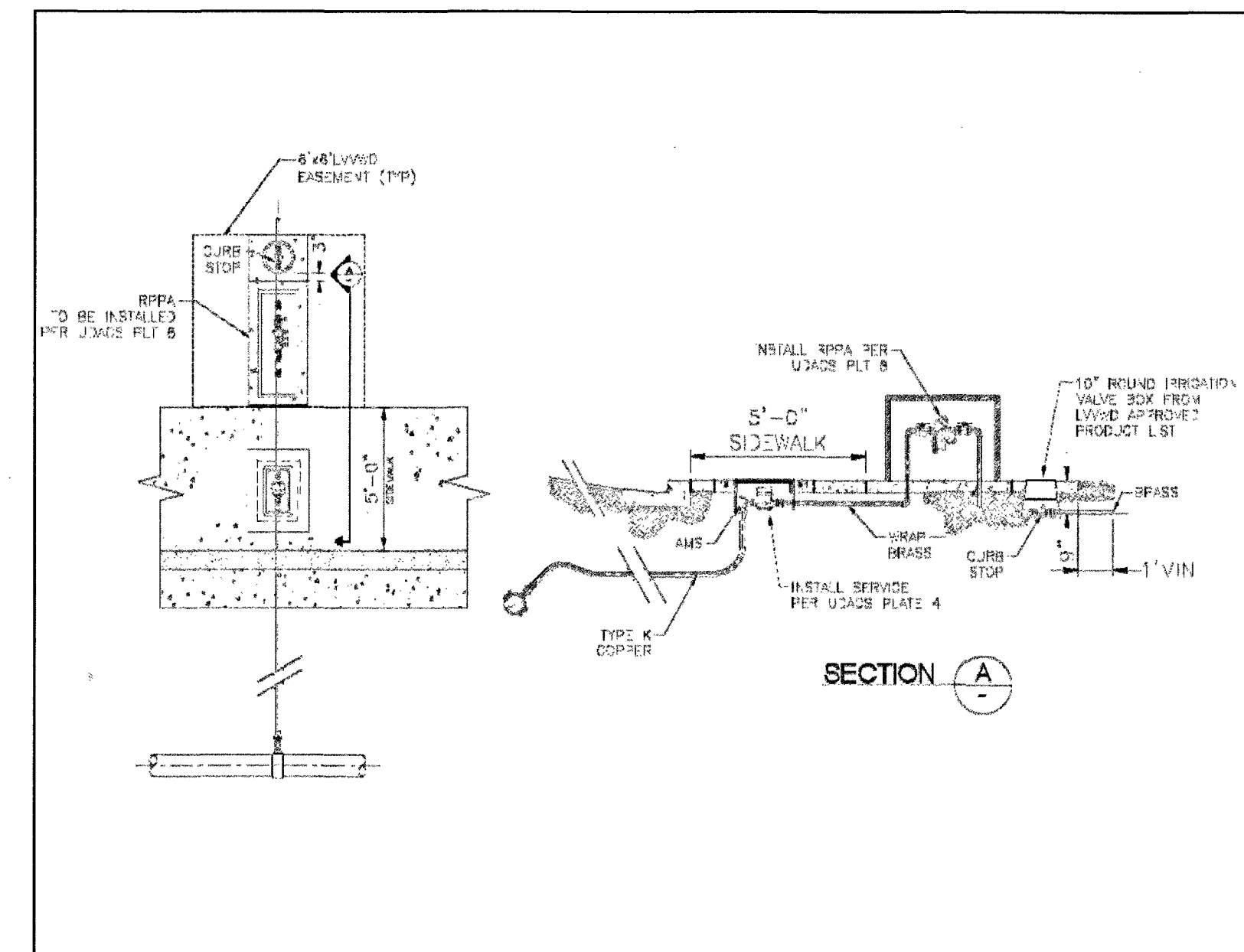
MAR. 16, 2019

SCALE:

1"= 20'

SHEET NUMBER:

307 3 OF 3
✓ 229
L19-00109



NOTE:

ALL SEWER/ STORM DRAINS CROSSING WATER LINES MUST CONFORM TO SECTION 2.22 OF THE UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR POTABLE WATER SYSTEMS (UDACS) FOR WATER AND STORM MAIN CROSSINGS AND CLEARANCES. ESN.064 REVISED 06/01/04

NOTE:

INSTALL PIPELINE MARKER BALLS IN TRENCH ABOVE EACH HORIZONTAL ELBOW FITTING PER UDACS PLATE NO. 15

NOTE:

DISPOSAL OF ASBESTOS CEMENT PIPE SHALL BE IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS.

APPROVED FOR CONSTRUCTION

John H. Hark
LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES

PROJECT # 136388 FIRST APPROVED DATE 3-26-19
LVVWD APPROVED FIRE FLOW: TOTAL 0 GPM/ONSITE 0 GPM

WATER CONSTRUCTION NOTES

SEWER CONSTRUCTION NOTES

1. INSTALL CLEAN-OUT WITH TRAFFIC RATED LID PER DCSWCS, SD-26.
2. CONNECT TO EXISTING 8" SEWER WITH WYE FITTING
3. SAW CUT & REPLACE AC PAVING AS NEEDED TO INSTALL NEW 6" SS SERVICE

