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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

EXIST. BUILDING
F.F.E.=2109.31±

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 LVWD FACILITIES

THE DISTRICT CANNOT GUARANTEE A WATERTIGHT SHUTDOWN WHERE CONNECTIONS OR REPAIRS TO EXISTING FACILITIES ARE REQUIRED. THE CONTRACTOR SHALL ENSURE ALL LABOR AND EQUIPMENT IS AVAILABLE TO REMOVE FUGITIVE WATER THAT MAY IMPEDE CONSTRUCTION AT ALL TIMES. COORDINATION WITH INSPECTION DIVISION MUST TAKE PLACE PRIOR TO ANY TRIAL SHUTDOWN.

CONTRACTOR TO INSTALL TEMPORARY SERVICE TO ENSURE PROPER SHUTDOWN IN THE EVENT NO OTHER APPURTENANCES ARE AVAILABLE.

WARNING FIRE LINE (NON-POTABLE WATER). ALL EXISTING RELOCATED OR PROPOSED CDDA/RPDA INSTALLATIONS.

TO COMPLY WITH THE FEDERAL SAFE DRINKING WATER ACT, THE FIRE LINE, OR ANY OF ITS COMPONENTS, SHALL NOT BE USED FOR POTABLE DRINKING WATER AT ANY TIME.

EXIST. 10.0' EASEMENT FOR PUBLIC UTILITIES AND INCIDENTAL PURPOSES PER BOOK 608, INSTRUMENT NO. 567348 AND BOOK 608, INSTRUMENT 567348

GENERAL NOTES

- ALL EXISTING UTILITIES SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT VERTICAL AND HORIZONTAL LOCATION OF ALL EXISTING UNDERGROUND UTILITIES PRIOR TO COMMENCING CONSTRUCTION. NO REPRESENTATION IS MADE THAT ALL UTILITIES ARE SHOWN HEREON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN OR UTILITIES NOT SHOWN IN THEIR PROPER LOCATION.
- CONTRACTOR TO FIELD VERIFY EXISTING INVERT ELEVATION PRIOR TO CONSTRUCTION AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES.
- ALL WATER LINE CONSTRUCTION SHALL BE IN ACCORDANCE WITH "UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR POTABLE WATER SYSTEMS, UDACS, 3rd EDITION - 2010", STANDARD PLATES WHERE APPLICABLE.
- ALL ABOVE GROUND UTILITY APPURTENANCES SHALL BE ADJUSTED TO MATCH FINISHED GRADE ELEVATIONS.
- THE SAWCUT LINES AND LIMITS OF A.C. REMOVAL AND REPLACEMENT SHALL BE DETERMINED BY A CLV CONSTRUCTION SERVICE INSPECTOR.
- ALL ABOVE GROUND UTILITY APPURTENANCES WILL CONFORM TO THE REQUIREMENTS OF TITLE 19.06 AND 19.08

CAUTION: HIGH PRESSURE GAS! CALL SOUTHWEST GAS AT 702-651-2111 FOR STANDBY WHEN EXCAVATION OVER HIGH PRESSURE GAS LINES

EXIST. EASEMENT FOR PUBLIC UTILITIES AND INCIDENTAL PURPOSES IN BOOK 2009012, INSTRUMENT NO. 00948

EXIST. 21" SS 307-V790 01.11%

CCRFCD FACILITY FWSA0000

EMP-SU-549(10) EX. 18" SD

NDOT EMP-SU-549(10) EX. 36" SD

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NDOT EMP-SU-549(10) EX. 36" SD

BASIS OF BEARING

SOUTH 89°40'45" EAST, BEING THE SOUTH LINE OF THE SOUTHWEST QUARTER (SW 1/4) OF SECTION 5, TOWNSHIP 21 SOUTH, RANGE 81 EAST AS SHOWN ON THE AMENDED PLAT OF AMENDED SPANISH OAKS 1, BOOK 17, PAGE 42 IN THE OFFICE OF THE CLARK COUNTY, NEVADA.

BENCHMARK

CITY OF LAS VEGAS BENCHMARK NO.12LV11554

RIVET AND PLAT IN TOP OF CURB AT NW CORNER OF RICHFIELD BLVD. AND SAHARA AVE.

ELEVATION 640.7281M/2102.12 FT. (NAVD 88 DATUM)

GEOTECHNICAL REPORT

THE GEOTECHNICAL REPORT, TITLED "REPORT OF GEOTECHNICAL ENGINEERING SERVICES, PROPOSED PDQ RESTAURANT N.W. SAHARA AVE AND RICHFIELD BLVD., LAS VEGAS, NEVADA" WAS PREPARED BY PROFESSIONAL SERVICE INDUSTRIES, INC. DATED SEPTEMBER 11, 2014.

SANITARY SEWER FLOW

SANITARY SEWER FLOW	
FACILITY TYPE	RESTAURANT
TOTAL FIXTURES	14
FLOW	1.33 ERU/FIXTURE
AVERAGE DAILY FLOW	4,655 GPD
AVERAGE DAILY FLOW	0.004655 MPD
PEAK FACTOR	3.5
PEAK DAILY FLOW	0.163 MGD

HIGH PRESSURE GAS NOTE

HIGH PRESSURE GAS! CALL SOUTHWEST GAS AT 702-651-2111 FOR STANDBY WHEN EXCAVATION OVER NEAR HIGH PRESSURE GAS LINES.

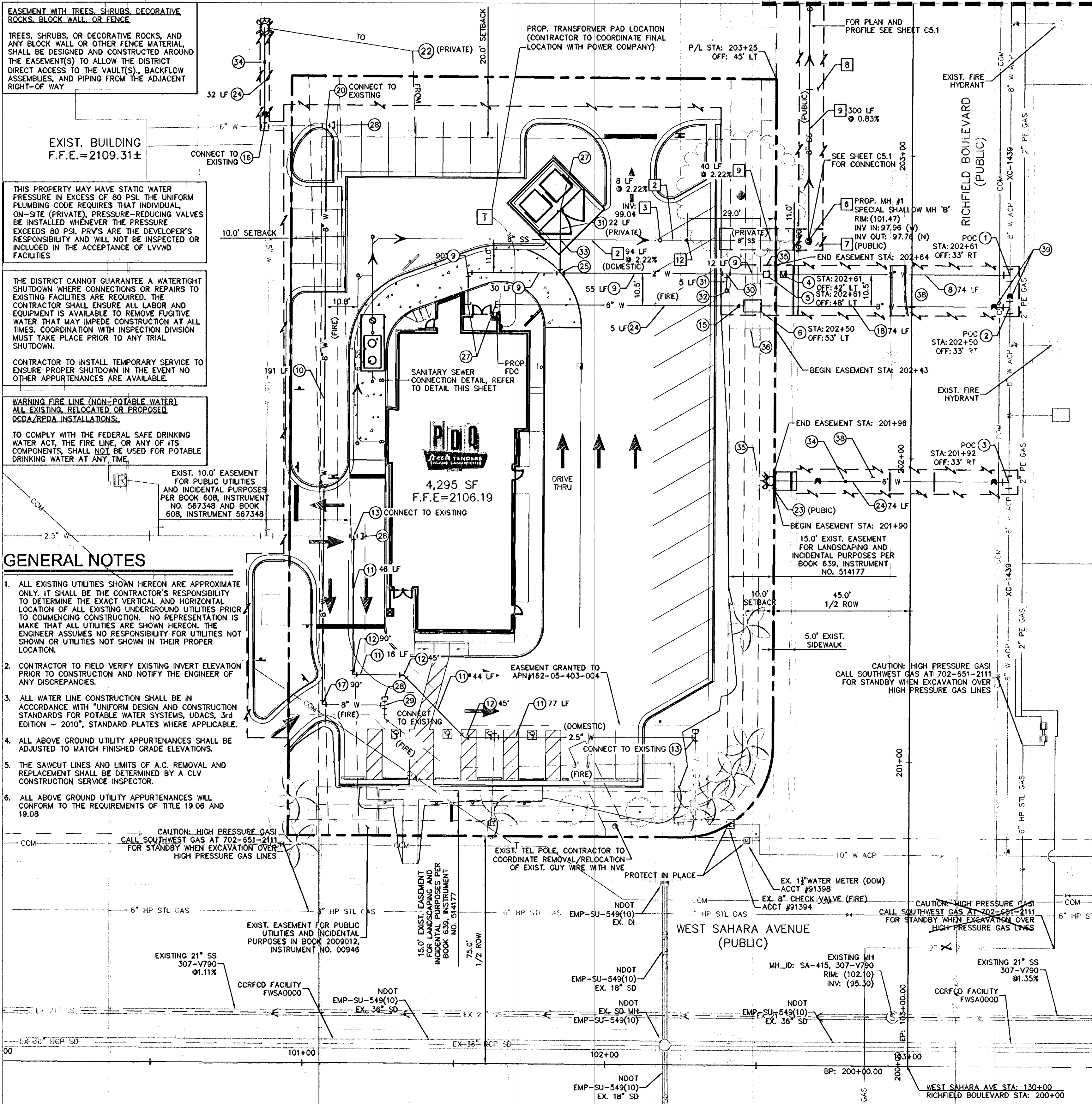
REDUCED PRESSURE DETECTOR ASSEMBLY (1)-2"

APPROVED REDUCED PRESSURE PRINCIPLE ASSEMBLY(S) SHALL BE INSTALLED PER THE UDACS PLATE NO. 8. NO WATER SHALL BE TAKEN FROM A SERVICE REQUIRING BACKFLOW PREVENTION UNTIL THE REDUCED PRESSURE PRINCIPLE ASSEMBLY HAS BEEN SUCCESSFULLY TESTED BY LVWD. ANY BLOCK WALL OR OTHER FENCE MATERIAL SHALL BE DESIGNED AND CONSTRUCTED AROUND THE OUTSIDE OF THE EASEMENT(S) TO ALLOW THE DISTRICT DIRECT ACCESS FROM THE ADJACENT RIGHT-OF-WAY. EASEMENTS SHALL BE CLEARLY MARKED OR STAKED PRIOR TO THE START OF CONSTRUCTION.

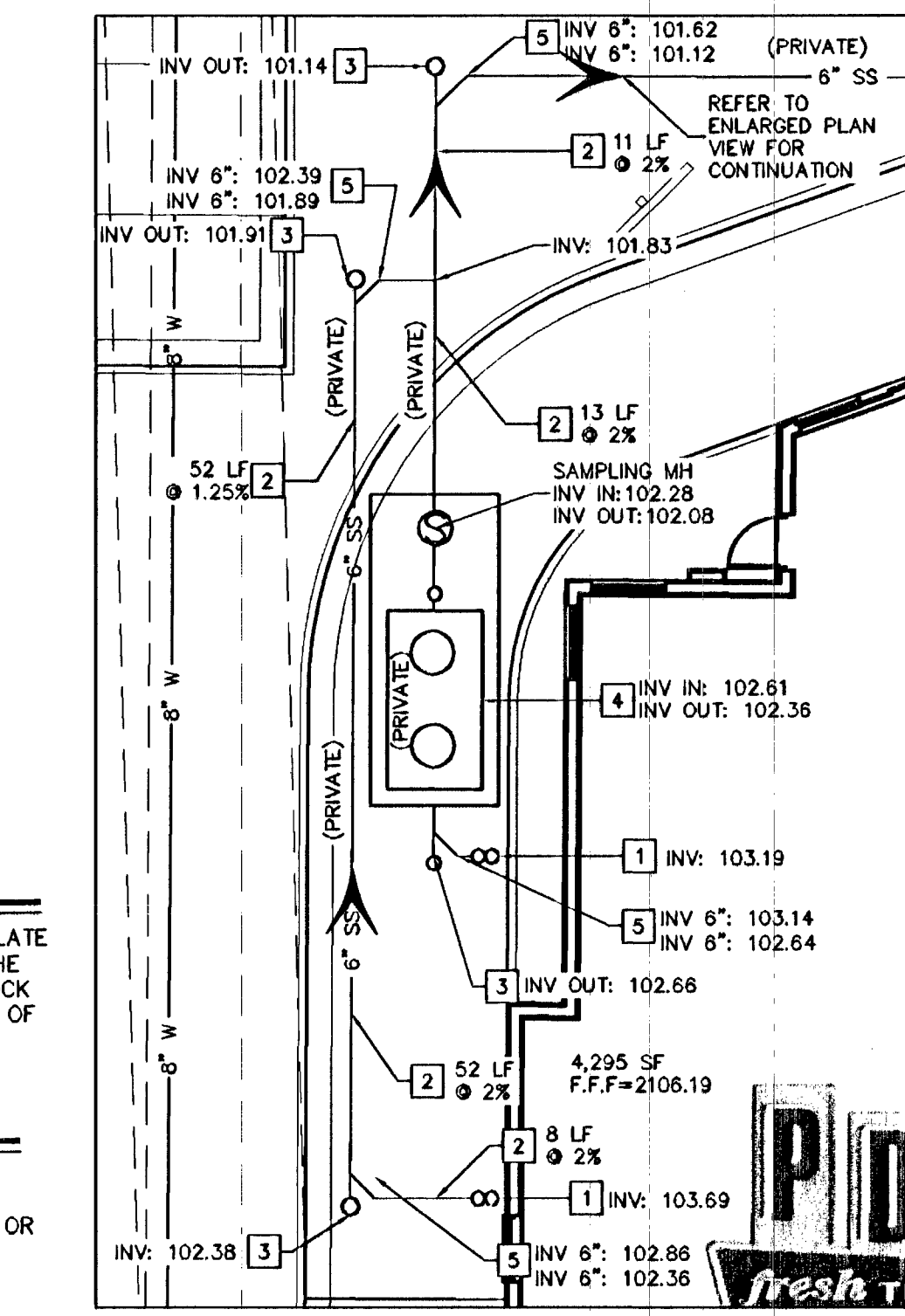
REDUCED PRESSURE DETECTOR ASSEMBLY (1)-8"

THE REDUCED PRESSURE DETECTOR ASSEMBLIES SHALL BE INSTALLED IN ACCORDANCE WITH THE UDACS PLATE NO. 58. NO WATER SHALL BE TAKEN FROM A SERVICE REQUIRING BACKFLOW PREVENTION UNTIL THE ASSEMBLY HAS BEEN SUCCESSFULLY TESTED BY LVWD. ANY BLOCK WALL OR OTHER FENCE MATERIAL SHALL BE DESIGNED AND CONSTRUCTED AROUND THE OUTSIDE OF THE EASEMENT(S) SO AS TO ALLOW LVWD DISTRICT ACCESS FROM THE ADJACENT RIGHT-OF-WAY. EASEMENTS SHALL BE CLEARLY MARKED OR STAKED PRIOR TO THE START OF CONSTRUCTION.

MATCHLINE STA: 203+50

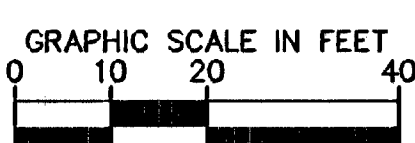


MATCHLINE STA: 203+50



SANITARY SEWER CONNECTION DETAIL

SCALE 1:10



WATER NOTES

- INSTALL NEW SERVICE WITH AN 2" SERVICE SADDLE PER UDACS PLATE 4
- INSTALL 8" TEE PER UDACS PLATE NO. 31
- INSTALL 8"x8" TAPPING SLEEVE WITH 6" TAPPING VALVE PER UDACS PLATE NO. 34 AND SEC 2.24.D1.A
- INSTALL 2" WATER METER PER UDACS PLATE NO. 4
- INSTALL 2" RPPA PER UDACS PLATE NO. 8
- INSTALL 8" RPPA PER UDACS PLATE NO. 58
- INSTALL 2" TYPE K SOFT COPPER WATER LINE PER UDACS PLATE 4, LENGTH PER PLAN
- INSTALL 2" SCHEDULE 80 BEND, DEGREE PER PLAN
- INSTALL 2" SCHEDULE 80 TEE
- INSTALL 2.5" SCHEDULE 80 (DOM) WATER LINE, LENGTH PER PLAN
- INSTALL 2.5" SCHEDULE 80 BEND, DEGREE PER PLAN
- INSTALL 2.5" SCHEDULE 80 TEE. CONTRACTOR IS TO MAINTAIN EXISTING SERVICE AT ALL TIMES
- INSTALL 8"x8" REDUCER PER UDACS PLATE NO. 30
- INSTALL 6" CLASS 200 C900 TEE WITH THRUST BLOCK PER UDACS PLATE NO. 31
- INSTALL 8" CLASS 200 C900 BEND WITH THRUST BLOCK PER UDACS PLATE NO. 31
- INSTALL 8" C900 WATER LINE PER UDACS PLATE NO. 17, LENGTH PER PLAN
- INSTALL 8"x8" CLASS 200 C900 TEE WITH THRUST BLOCK PER UDACS PLATE NO. 31
- RELOCATED EXISTING FIRE HYDRANT PER CITY OF LAS VEGAS STANDARDS AND SPECIFICATIONS. INSTALL HYDRANT AND GATE VALVE PER UDACS PLATE NO. 40
- INSTALL FIRE HYDRANT AND GATE VALVE PER UDACS PLATE NO. 40 CONDITION G
- INSTALL 6" CLASS 200 C900 (FIRE) WATER LINE PER UDACS PLATE NO. 17
- INSTALL 2"x3/4" SCHEDULE 80 TEE
- STUB AND CAP. SEE PLUMBING PLANS FOR CONTINUATION
- CAP WATER LINE
- INSTALL 8" CLASS 200 C900 TEE WITH THRUST BLOCK PER UDACS PLATE NO. 31. CONTRACTOR IS TO MAINTAIN EXISTING SERVICE AT ALL TIMES
- INSTALL 2"x3/4" SCHEDULE 80 TEE (FOR IRRIGATION)
- INSTALL 3/4" SCHEDULE 80, LENGTH PER PLAN
- INSTALL 3/4" BACKFLOW FOR IRRIGATION, PER DETAIL 1 ON SHEET L14.0. REFER TO LANDSCAPE AND IRRIGATION PLANS FOR CONTINUATION
- UTILITY CROSSING PER UDACS SECTION 2.22
- INSTALL BLUE REFLECTOR PER CLV FIRE DEPARTMENT SPECIFICATION AND PER SNC #6124 SECTION 507.5.7.3
- 6"x8" LVVWD EASEMENT
- 15'x15' LVVWD EASEMENT
- PAVEMENT RESTORATION TRANSVERSE CUT PER CCAUSD NO. 500.5
- INSTALL 8" GATE VALVE PER UDACS PLATE NO. 30

SEWER NOTES

- INSTALL TWO-WAY CLEANOUT PER DCWCS NO SD-26. SEE PLUMBING PLANS FOR CONTINUATION
- INSTALL 6" SDR-35 PVC PER DCWCS SD-17. LENGTH AND SLOPER PER PLAN
- INSTALL 6" SANITARY SEWER CLEANOUT PER DCWCS NO. SD-26
- INSTALL 1500 GALLON GREASE INTERCEPTOR WITH SAMPLING MANHOLE PER DETAIL 6 C6.1. SEE PLUMBING PLANS FOR CONTINUATION
- INSTALL WYE CONNECTION PER DCWCS NO. SD-22, INVERT PER PLAN
- INSTALL 48" SPECIAL SHALLOW MANHOLE "B" FLAT TOP PER DCWCS NO. SD-13. (PUBLIC)
- PAVEMENT RESTORATION TRANSVERSE CUT PER CCAUSD NO. 500.5
- PAVEMENT RESTORATION LONGITUDINAL CUT PER CCAUSD NO. 500.4
- INSTALL 8" PVC C-900 PER DCWCS SD-17. LENGTH AND SLOPE PER PLAN
- BREAK INTO EXISTING MANHOLE, INVERTS PER PLAN
- INSTALL 8"x8" REDUCER PER UDACS PLATE NO. 31

FIRE FLOW DATA

FIRE FLOW DATA	
FIRE FLOW AT 20 PSI RESIDUAL (GPM) WITH 50% REDUCTION	1,500
SQUARE FEET	4,295
BUILDING HEIGHT (FT)	24
NUMBER OF STORIES	1
TYPE OF CONSTRUCTION	V-B
FULL AUTOMATIC FIRE SPRINKLER SYSTEM	YES

CLV FIRE APPROVAL

APPROVED FOR CONSTRUCTION

LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER

DATE 12/15/2014 PROJECT NO. 123394

LVWD APPROVED FIRE FLOW 1500 GPM AT 20 PSI RESIDUAL

12/16/14 DATE

Call before you dig. Avoid cutting underground utility lines. It's costly.

Call 811

UnderGround 1-702-455-6000

Overhead 1-702-227-2600

CLARK COUNTY TRAFFIC OPERATIONS

1-702-432-5300

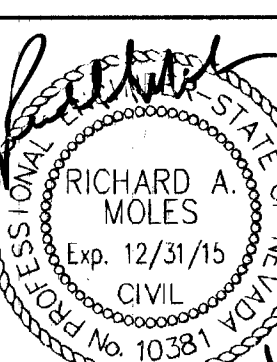
1-702-455-6000

CLARK COUNTY TRAFFIC OPERATIONS

1-702-227-2929

Kimley»Horn

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KHA PROJECT	149568013
DATE	12/15/2014
SCALE	AS SHOWN
DESIGNED BY	NLG
DRAWN BY	DDL
CHECKED BY	RAM

UTILITY PLAN

SAHARA & RICHFIELD
PREPARED FOR
PDQ

SHEET NUMBER 7 OF 10
C5.0

CITY OF LAS VEGAS