

APN:138-15-310-035
TRINITY PEAK III, LLC
(C-PB)
2012042502648
N.A.P.

APN:138-15-310-028
ARCATA-T &
M BUILDING LLC
(C-PB)
2003070100317
N.A.P.

(EX. SDMH #4)
STA:13+15.00
OFFSET:7.50 R
(RIM=2383.04)
(INV IN (S)=73.74)
(INV IN (SE)=72.86)
(INV OUT (N)=72.25)

(EX. SDMH #5)
STA:13+57.35
OFFSET:7.34 R
(RIM=2382.58)
(INV OUT (S)=73.70)
(INV IN (E)=77.46)
(INV IN (W)=77.42)
(INV IN (N)=74.26)

(EX. SDMH #4)
STA:12+25.18
OFFSET:30.00 R
END 21'x15'
LVWD ESMT.
STA:12+10.18
OFFSET:30.00 R
BEG. 21'x15'
LVWD ESMT.

(EX. SDMH #3)
STA:12+05.48
OFFSET:7.45 R
(RIM=2383.77)
(INV IN (S)=75.77)
(INV IN (SE)=77.17)
(INV OUT (N)=75.71)

(EX. SDMH #2)
STA:11+10.22
OFFSET:15.62 R
(RIM=2384.07)
(INV IN (S)=73.85)
(INV OUT (N)=73.57)

(EX. SDMH #2)
STA:10+66.20
OFFSET:4.33 R
(RIM=2384.65)
(INV IN (S)=78.54)
(INV IN (W)=78.66)
(INV OUT (N)=78.46)

(EX. SDMH #1)
STA:10+18.95
OFFSET:15.00 R
(RIM=2384.75)
(INV IN (S & SW)=74.55)
(INV OUT (N)=74.39)

(EX. SDMH #1)
STA:9+97.62
C/L PROP. DWY
(RIM=2384.75)
(INV IN (S)=74.55)
(INV OUT (N)=74.39)

(EX. SDMH #1)
STA:9+41.41
OFFSET:8.15 R
(RIM=2384.75)
(INV IN (S)=74.55)
(INV OUT (N)=74.39)

(EX. SDMH #1)
STA:9+15.00
OFFSET:15.00 R
(RIM=2384.75)
(INV IN (S)=74.55)
(INV OUT (N)=74.39)

(EX. SDMH #1)
STA:9+15.00
OFFSET:15.00 R
(RIM=2384.75)
(INV IN (S)=74.55)
(INV OUT (N)=74.39)

(EX. SDMH #1)
STA:9+15.00
OFFSET:15.00 R
(RIM=2384.75)
(INV IN (S)=74.55)
(INV OUT (N)=74.39)

(EX. SDMH #1)
STA:9+15.00
OFFSET:15.00 R
(RIM=2384.75)
(INV IN (S)=74.55)
(INV OUT (N)=74.39)

(EX. SDMH #1)
STA:9+15.00
OFFSET:15.00 R
(RIM=2384.75)
(INV IN (S)=74.55)
(INV OUT (N)=74.39)

(EX. SDMH #1)
STA:9+15.00
OFFSET:15.00 R
(RIM=2384.75)
(INV IN (S)=74.55)
(INV OUT (N)=74.39)

(EX. SDMH #1)
STA:9+15.00
OFFSET:15.00 R
(RIM=2384.75)
(INV IN (S)=74.55)
(INV OUT (N)=74.39)

(EX. SDMH #1)
STA:9+15.00
OFFSET:15.00 R
(RIM=2384.75)
(INV IN (S)=74.55)
(INV OUT (N)=74.39)

BASIS OF BEARINGS:
NORTH 89°40'51" WEST, BEING THE BEARING OF THE CENTERLINE OF
SMOKE RANCH ROAD AND THE SOUTH LINE OF THE SOUTHWEST QUARTER
(SW 1/4) OF THE SOUTHWEST QUARTER (SW 1/4) OF SECTION 15,
TOWNSHIP 20 SOUTH, RANGE 60 EAST, M.D.M., CLARK COUNTY, NEVADA,
AS SHOWN IN FILE 155, PAGE 31 OF SURVEYS, OFFICIAL RECORDS OF
CLARK COUNTY, NEVADA.

**NOTE TO CONTRACTOR ON AC SAWCUT &
REPAIR LIMITS SHOWN ON PLANS**
AC SAWCUT LIMITS SHOWN ON PLANS FOR REMOVAL AND REPLACEMENT
OR FOR UTILITY TRENCH REPLACEMENT ARE SCHEMATIC AND ACTUAL
LIMITS WILL BE DETERMINED BY THE CLV INSPECTOR AND WILL BE THE
RESPONSIBILITY OF THE CONTRACTOR TO VERIFY/CONFIRM FINAL LIMITS
PRIOR TO BID/CONSTRUCTION.

SIGHT VISIBILITY ZONES NOTE:
NO WALLS, FENCES, TREES, SHRUBS, UTILITY APPURTENANCES OR ANY
OTHER OBJECT, OTHER THAN TRAFFIC CONTROL DEVICES AND STREET
LIGHTS, MAY BE CONSTRUCTED OR INSTALLED WITHIN THE SIGHT
VISIBILITY ZONE UNLESS SAID OBJECT IS MAINTAINED AT LESS THAN 24
INCHES IN HEIGHT, MEASURED FROM THE TOP OF CURB.

NOTES:
ALL DIMENSIONS ARE TO BACK OF CURB UNLESS OTHERWISE NOTED.

**REDUCED PRESSURE DETECTOR
ASSEMBLY - (2) 10"**
THE REDUCED PRESSURE DETECTOR ASSEMBLY(S) SHALL BE INSTALLED
IN ACCORDANCE WITH THE UDACS PLATE NO. 59. 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 DIRECT ACCESS FROM THE ADJACENT RIGHT-OF-WAY.
EASEMENTS SHALL BE CLEARLY MARKED OR STAKED PRIOR TO THE
START OF CONSTRUCTION.

**REDUCED PRESSURE PRINCIPLE
ASSEMBLY - (2) 2"**
APPROVED REDUCED PRESSURE PRINCIPLE ASSEMBLY(S) SHALL BE
INSTALLED PER THE UDACS PLATE NO. 59. NO WATER SHALL BE
TAKEN FROM A SERVICE REQUIRING BACKFLOW PREVENTION UNTIL THE
REDUCED PRESSURE PRINCIPLE ASSEMBLY HAS BEEN SUCCESSFULLY
TESTED BY THE 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.

PAVEMENT MARKERS:
INSTALL BLUE COLORED REFLECTIVE RAISED PAVEMENT MARKERS
ADJACENT TO THE FIRE HYDRANT ON ALL IMPROVED FIRE APPARATUS
ACCESS ROADWAYS WITH HARD SURFACES, INCLUDING BOTH PUBLIC AND
PRIVATE ROADS, STREETS OR FIRE LANES:
• ON ROADWAYS WITH NO PARKING PERMITTED ON THE HYDRANT SIDE:
EIGHT (8) FEET FROM THE FACE OF THE CURB ON THE HYDRANT SIDE.
• ON ROADWAYS WITH PARKING PERMITTED ON THE HYDRANT SIDE:
SIXTEEN (16) FEET FROM THE FACE OF THE CURB ON THE HYDRANT
SIDE.

BENCHMARK:
CITY OF LAS VEGAS BM #0LC0016566,
BEING A RIVET PLATE IN THE TOP OF CURB WEST SIDE OF BUFFALO AT
TRINITY PEAK AVENUE
ELEVATION: 2401.52 (± SURVEY FEET)
731.98 (METERS)
BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).

LEGAL DESCRIPTION:
SEE COVER SHEET FOR FULL LEGAL DESCRIPTION

CITY OF LAS VEGAS FIRE DEPARTMENT	
FIRE FLOW REQUIREMENT IS 3,250 GALLONS PER MINUTE AT 20 POUNDS PER SQUARE INCH RESIDUAL BASED ON:	
REQ'D FIRE FLOW*	BUILDING
SQUARE FOOTAGE **	55,870
LARGEST AREA BETWEEN AREA SEPARATION WALLS	N/A
HEIGHT	33'-10"
TYPE OF CONSTRUCTION	V-B
NO. OF STORIES	2
SPRINKLER SYSTEM	YES
OCCUPANCY CLASSIFICATION	E/B
HIGH PILED STORAGE	NO
* BASED ON 50% REDUCTION FOR FIRE SPRINKLERS ** BASED ON MAXIMUM SQUARE FOOTAGE POSSIBLE	

APPROVED FOR CONSTRUCTION
(1ST APPROVED 12/11/14)
LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER
PROJECT NO. 123137 DATE: 3/3/15
APPROVED FIRE FLOW 3,250 GPM AT 20 PSI RESIDUAL

**CITY OF LAS VEGAS
FIRE DEPARTMENT APPROVAL**
BY: R. J. [Signature] DATE: 3/5/15
APPROVAL OF THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT
FOR, OR AN APPROVAL OF, ANY VIOLATION OF ANY OF THE PROVISIONS
OF THE STATE OR COUNTY LAWS.
FIRE FLOW 3,250 GPM AT 20 PSI RESIDUAL
CLV DRAWING NO. 107V 6353 H#56262

W E

WALKER ENGINEERING, LLC
5765 S. RAINBOW BLVD.
SUITE 101
LAS VEGAS, NV 89118
TEL: 702.873.5197
FAX: 702.873.5346

PROFESSIONAL
ENGINEER
STATE OF NEVADA
No. 17818
3-2-15

APPROVAL
DATE
INITIALS

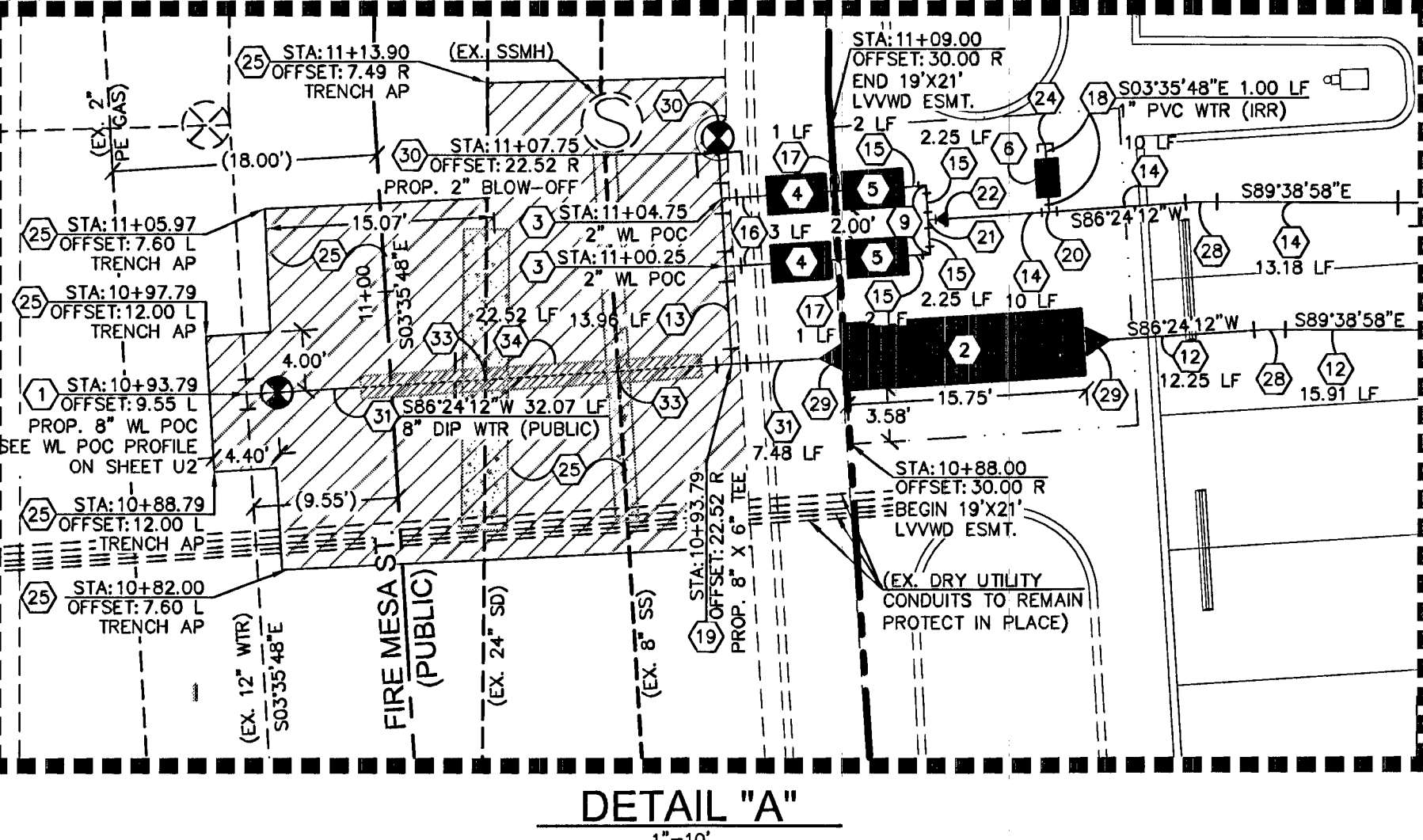
REVISIONS
DATE
REVISION DESCRIPTION

3/2/15 1 - REVISION FIRE MESA DOMESTIC WATERLINE POC PER DRY UTILITY FIELD CONDOT
DATE
REVISION DESCRIPTION

UTILITY PLAN 1

DORAL ACADEMY
FIRE MESA CAMPUS

SUBMITTAL NO. REPLOT
DATE: MARCH 2, 2015
WE PROJECT NO.
1317.00
AGENCY NO.
CLV:56262
SHEET NO.:
9 OF 10 SHEETS



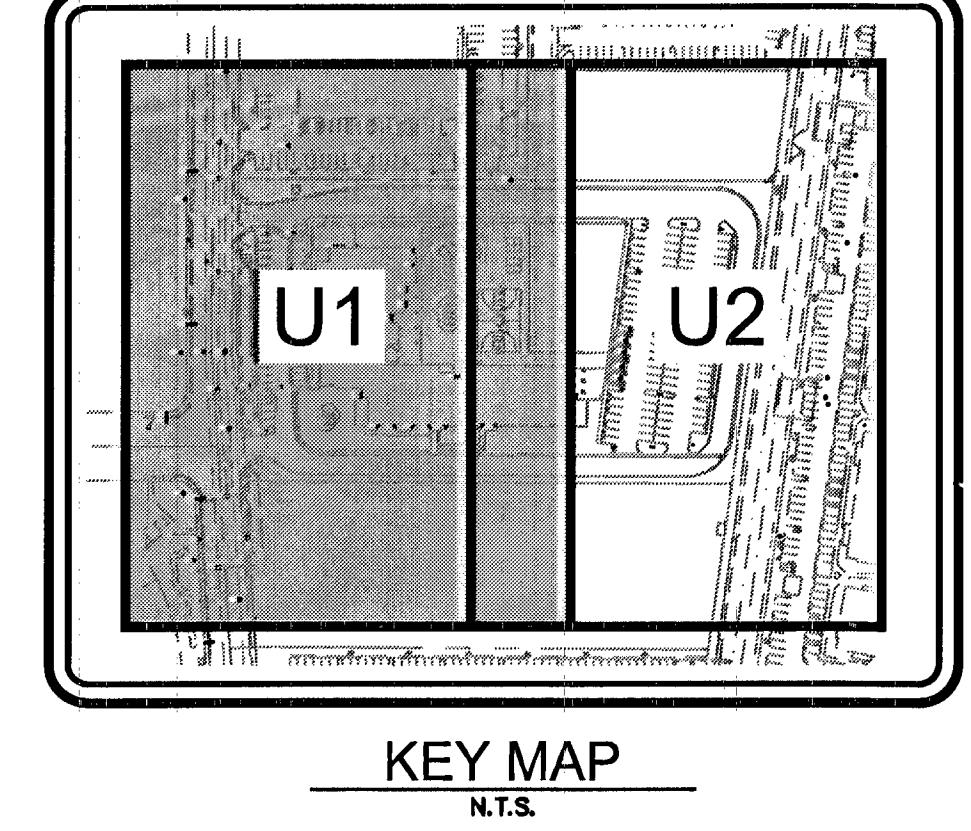
WATER CONSTRUCTION NOTES	
NO	ITEM
1	WET TAP EX. 12" WTR W/ 12"x8" TAPPING SLEEVE & 8" TAPPING VALVE PER UDACS SECTION 2.24.01B, EXCAVATE PER UDACS PLATE NO. 17, 19 & 34.
2	INSTALL 10" RPPA PER UDACS PLATE NO. 59
3	INSTALL 2" SERVICE SADDLE & CORPORATION STOP PER UDACS PLATE NO. 4
4	INSTALL 2" METER PER UDACS PLATE NO. 4
5	INSTALL 2" RPPA PER UDACS PLATE NO. 8
6	INSTALL 1" RPPA PER UDACS PLATE NO. 8 (IRRIGATION)
7	INSTALL FIRE HYDRANT & 6" GATE VALVE PER UDACS PLATE NO. 40 W/ THRUST BLOCK PER UDACS PLATE 31
8	INSTALL GATE VALVE SAME SIZE AS LINE PER UDACS PLATES NO. 30 & 39
9	INSTALL 90° BEND SAME SIZE AS LINE PER UDACS PLATE NO. 31
10	INSTALL 45° BEND SAME SIZE AS LINE PER UDACS PLATE NO. 31
11	INSTALL 11.25° BEND SAME SIZE AS LINE PER UDACS PLATE NO. 31
12	INSTALL 8" PVC WL - C900, CLASS 150
13	INSTALL 6" PVC WL - C900, CLASS 150
14	INSTALL 4" PVC WATER LINE (PRIVATE)
15	INSTALL 2" PVC WATER LINE (PRIVATE)
16	INSTALL 2" COPPER WATER LINE
17	INSTALL 2" BRASS WATER LINE
18	INSTALL 1" WATER LINE (PVC) (IRRIGATION)
19	INSTALL 8" x 6" TEE PER UDACS PLATE NO. 31
20	INSTALL 4" x 1" TEE
21	INSTALL 2" x 2" TEE
22	INSTALL 4" x 2" REDUCER
23	STUB & CAP SEE PLUMBING PLANS FOR CONTINUATION
24	STUB & CAP FOR IRRIGATION SEE LANDSCAPE PLANS FOR CONTINUATION
25	TRENCH BACKFILL PER UDACS PLATE NO. 17
26	REMOVE EXISTING CAP & BLOWOFF, CONNECT TO EXISTING 8" WATERLINE
27	INSTALL 8" x 8" TEE PER UDACS PLATE NO. 31
28	INSTALL 5" BEND SAME SIZE AS LINE PER UDACS PLATE NO. 31
29	INSTALL 10" x 8" REDUCER
30	INSTALL END CAP PER UDACS PLATE NO. 31
31	INSTALL 8" RESTRAINED JOINT DIP WATER LINE, CLASS 350
32	INSTALL 45° VERTICAL BEND SAME SIZE AS LINE RESTRAINED
33	ENCASE EX. PIPE IN 4" CLSM II PER UDACS SECTION 2.22.02 B.3(C), MINIMUM 10 FEET EACH SIDE OF PROPOSED WATERLINE CROSSING
34	INSTALL STEEL CASING PER UDACS PLATE NO. 22 & 23. ANNUAL SPACE BETWEEN PIPE AND CASING SHALL BE FILLED WITH CLASS I CLSM. SEE UDACS PLATES NO. 16, 17, 18 AND 19, FOR BEDDING AND BACKFILL REQUIREMENTS

SEWER CONSTRUCTION NOTES	
NO	ITEM
1	REMOVE EX. CAP. CONTRACTOR TO VERIFY INVERT OF EX. SEWER MAIN PRIOR TO COMMENCING CONSTRUCTION
2	INSTALL 6" CLEAN OUT PER SD-26
3	INSTALL WYE & 45° BEND PER SD-22
4	INSTALL 6" PVC SDR-35 SEWER LATERAL PER SD-22
5	STUB AND CAP - SEE PLUMBING PLANS FOR CONTINUATION

GENERAL UTILITY NOTES:	
1.	EXISTING UTILITY LOCATIONS SHOWN HEREIN 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 EXISTING UTILITIES ARE SHOWN HEREON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN OR UTILITIES NOT SHOWN IN THEIR PROPER LOCATION. ALL DISCREPANCIES MUST BE IMMEDIATELY REPORTED TO THE ENGINEER.
2.	CONTRACTOR SHALL VERIFY HORIZONTAL AND VERTICAL ALIGNMENT OF EXISTING UTILITIES AND TO NOTIFY THE DESIGN ENGINEER IMMEDIATELY ON ANY DISCREPANCIES PRIOR TO CONSTRUCTION.
3.	ALL DIMENSIONS TO UTILITIES ARE TO CENTERLINE OF PIPE UNLESS INDICATED OTHERWISE.
4.	ALL SEWER LENGTHS SHOWN ARE FROM CENTER OF MANHOLE TO CENTER OF MANHOLE.
5.	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.
6.	SEE H1 SHEET FOR FIRE LANE LOCATION.
7.	SEE ARCHITECTURAL PLANS FOR ALL CONNECTION DETAILS AT THE BUILDING.
8.	SEE LANDSCAPE PLANS BY OTHERS FOR ALL IRRIGATION AND LANDSCAPING INFORMATION.
9.	SEE SHEET C2 FOR QUANTITIES.
10.	ALL ABOVE GROUND UTILITY APPURTENANCES SHALL CONFORM TO THE REQUIREMENTS OF TITLE 19.06 AND 19.08.

Call before you Overhead
1-702-227-2929

Call before you Dig
1-800-227-2800
OR
1-702-455-6000
CLARK COUNTY TRAFFIC OPERATIONS



SEWER CONSTRUCTION NOTES	
NO	ITEM
1	REMOVE EX. CAP. CONTRACTOR TO VERIFY INVERT OF EX. SEWER MAIN PRIOR TO COMMENCING CONSTRUCTION
2	INSTALL 6" CLEAN OUT PER SD-26
3	INSTALL WYE & 45° BEND PER SD-22
4	INSTALL 6" PVC SDR-35 SEWER LATERAL PER SD-22
5	STUB AND CAP - SEE PLUMBING PLANS FOR CONTINUATION

GENERAL UTILITY NOTES:
1. EXISTING UTILITY LOCATIONS SHOWN HEREIN 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 EXISTING UTILITIES ARE SHOWN HEREON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN OR UTILITIES NOT SHOWN IN THEIR PROPER LOCATION. ALL DISCREPANCIES MUST BE IMMEDIATELY REPORTED TO THE ENGINEER.
2. CONTRACTOR SHALL VERIFY HORIZONTAL AND VERTICAL ALIGNMENT OF EXISTING UTILITIES AND TO NOTIFY THE DESIGN ENGINEER IMMEDIATELY ON ANY DISCREPANCIES PRIOR TO CONSTRUCTION.
3. ALL DIMENSIONS TO UTILITIES ARE TO CENTERLINE OF PIPE UNLESS INDICATED OTHERWISE.
4. ALL SEWER LENGTHS SHOWN ARE FROM CENTER OF MANHOLE TO CENTER OF MANHOLE.
5. 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.
6. SEE H1 SHEET FOR FIRE LANE LOCATION.
7. SEE ARCHITECTURAL PLANS FOR ALL CONNECTION DETAILS AT THE BUILDING.
8. SEE LANDSCAPE PLANS BY OTHERS FOR ALL IRRIGATION AND LANDSCAPING INFORMATION.
9. SEE SHEET C2 FOR QUANTITIES.
10. ALL ABOVE GROUND UTILITY APPURTENANCES SHALL CONFORM TO THE REQUIREMENTS OF TITLE 19.06 AND 19.08.