AVOID HITTING UNDERGROUND TRAFFIC SIGNAL SYSTEMS AND STREET LIGHT SYSTEM CONDUITS IT'S COSTLY CALL BEFORE YOU DO UNDERGROUND

Call before you UnderGround
1-702-455-7511
CLARK COUNTY TRAFFIC OPERATIONS AND
1-702-229-6611
LAS VEGAS AREA COMPUTERIZED TRAFFIC SYSTEM

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY.

CALL BEFORE YOU DO OVERHEAD

1-702-227-2929

Avoid cutting underground utility lines. It's costly.

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

SEWER SCHEDULE

(1) MH#1 48" TYP I CONC
STA 22+42.55
RIM = 1880.20
INV IN= 1873.68
EX. INV IN= 1873.48
EX. INV OUT= 1873.48

(2) MH#2 48" TYP I CONC
RIM = 1881.96
INV IN= 1874.37
INV OUT= 1874.17

(3) MH#3 48" TYP I CONC
STA 13+18.81
RIM = 1883.74
INV IN= 1874.71
INV IN= 1874.71
INV OUT= 1874.51

(4) MH#4 48" TYP I CONC
STA 13+29.99
RIM= 1883.70
INV IN= 1875.01
INV OUT= 1874.81

(5) MH#5 48" TYP I CONC
STA 15+90.22
RIM = 1885.75
INV IN= 1876.79
INV IN= 1876.79
INV OUT= 1876.59

(6) MH#6 48" TYP I CONC
STA 12+61.97
RIM = 1885.75
INV OUT= 1877.47

(7) MH#7 48" TYP I CONC
STA 10+04.22
RIM = 1887.50
INV OUT= 1878.81
INV OUT= 1878.81

(8) MH#8 48" TYP I CONC
STA 11+36.66
RIM = 1886.90
INV OUT= 1878.61

(9) MH#9 48" TYP I CONC
STA 10+04.22
RIM = 1885.90
INV IN= 1877.74
INV IN= 1877.74
INV OUT= 1877.54

(10) MH#10 48" TYP I CONC
STA 10+71.55
RIM = 1885.62
INV IN= 1876.68
INV OUT= 1876.48

(11) MH#11 48" TYP I CONC
STA 9+89
RIM = 1885.22
INV IN= 1876.07
INV IN= 1876.07
INV OUT= 1875.87

(12) MH#12 48" TYP I CONC
STA 10+04.45
RIM = 1886.28
INV OUT= 1876.72

STORMDRAIN SCHELDULE

1 PROP. 3'X3' DI
STA 13+12.16
RIM =1883.59
INV OUT=1881.64

2 PROP. 3'X3' DI
STA 13+16.82
RIM =1883.57
INV =1881 61

3 PROP. 60" TYPE III SDMH
STA 13+23.89
RIM =1883.58
INV IN=1881.00
INV IN=1881.00
INV OUT=1880.80
BOLT DOWN MH LID

4 PROP. 60" TYPE III SDMH
STA 14+39 22
RIM =1884 55
INV IN=1881.68
INV IN=1881.68
INV OUT=1881.58
BOLT DOWN MH LID

6 PROP. 3'X3' DI
STA 11+51.36
RIM =1885.25
INV OUT=1881.95

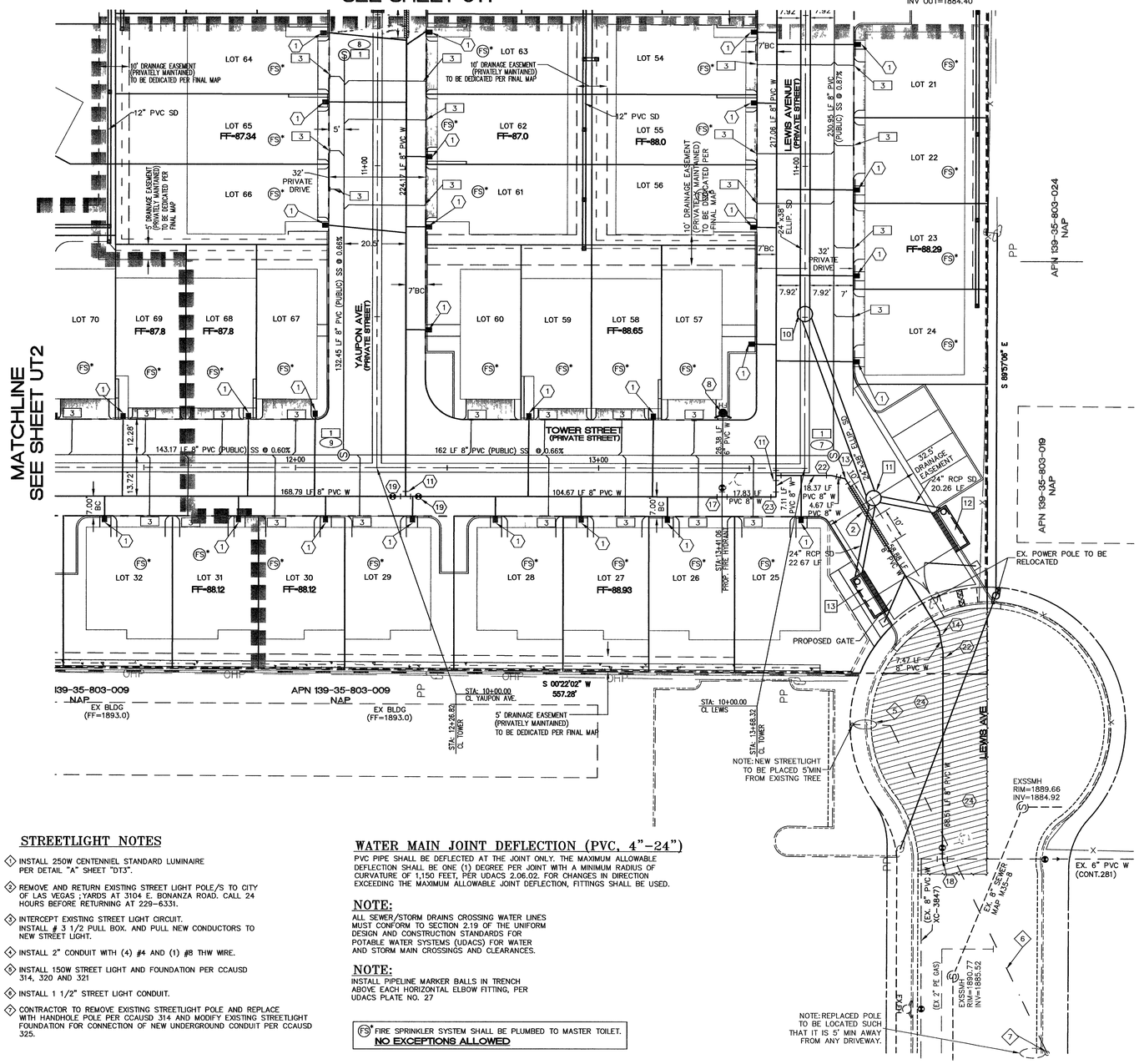
7 PROP. 60" TYPE I SDMH
STA 12+24.17
RIM =1885.65
INV IN=1882.62
INV OUT=1882.42
BOLT DOWN MH LID

10 PROP. 60" TYPE I SDMH
STA 10+51.07
RIM =1887.05
INV IN=1883.73
INV OUT=1883.53
BOLT DOWN MH LID

11 PROP. 60" TYPE III SDMH
STA 0+00
RIM =1888.55
INV IN=1884.26
INV IN=1884.26
INV OUT=1884.06

12 PROP. 15" MODIFIED TYPE "CM" DI #12
STA 0+00
GRATE =1888.55
INV OUT=1884.40

13 PROP. 15" MODIFIED TYPE "CM" DI #13
STA 0+00
GRATE =1888.20
INV OUT=1884.40



STREETLIGHT NOTES

1. INSTALL 250W CENTENNIEL STANDARD LUMINAIRE PER DETAIL "A" SHEET "DT3".
2. REMOVE AND RETURN EXISTING STREET LIGHT POLE/S TO CITY OF LAS VEGAS ; YARDS AT 3104 E. BONANZA ROAD. CALL 24 HOURS BEFORE RETURNING AT 229-6331.
3. INTERCEPT EXISTING STREET LIGHT CIRCUIT. INSTALL # 3 1/2 PULL BOX. AND PULL NEW CONDUCTORS TO NEW STREET LIGHT.
4. INSTALL 2" CONDUIT WITH (4) #4 AND (1) #8 THW WIRE.
5. INSTALL 150W STREET LIGHT AND FOUNDATION PER CCAUSD 314, 320 AND 321
6. INSTALL 1 1/2" STREET LIGHT CONDUIT.
7. CONTRACTOR TO REMOVE EXISTING STREETLIGHT POLE AND REPLACE WITH HANDHOLE POLE PER CCAUSD 314 AND MODIFY EXISTING STREETLIGHT FOUNDATION FOR CONNECTION OF NEW UNDERGROUND CONDUIT PER CCAUSD 325.

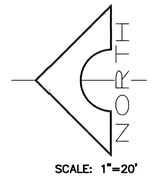
WATER MAIN JOINT DEFLECTION (PVC, 4"-24")

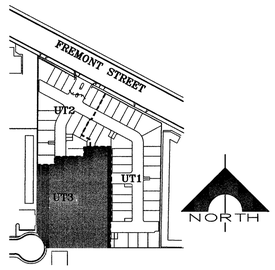
PVC PIPE SHALL BE DEFLECTED AT THE JOINT ONLY. THE MAXIMUM ALLOWABLE DEFLECTION SHALL BE ONE (1) DEGREE PER JOINT WITH A MINIMUM RADIUS OF CURVATURE OF 1,150 FEET, PER UDACS 2.06.02. FOR CHANGES IN DIRECTION EXCEEDING THE MAXIMUM ALLOWABLE JOINT DEFLECTION, FITTINGS SHALL BE USED.

NOTE:
ALL SEWER/STORM DRAINS CROSSING WATER LINES MUST CONFORM TO SECTION 2.19 OF THE UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR POTABLE WATER SYSTEMS (UDACS) FOR WATER AND STORM MAIN CROSSINGS AND CLEARANCES.

NOTE:
INSTALL PIPELINE MARKER BALLS IN TRENCH ABOVE EACH HORIZONTAL ELBOW FITTING, PER UDACS PLATE NO. 27

(FS)* FIRE SPRINKLER SYSTEM SHALL BE PLUMBED TO MASTER TOILET.
NO EXCEPTIONS ALLOWED





KEY MAP
SCALE: NTS

WATER NOTES

1. INSTALL 1" WATER SERVICE W/1" MVR METER AND METER BOX PER UDACS PLATE 1D. (HERSHEY MVR 30 OR APPROVED EQUAL.) 18" SEPERATION BETWEEN ALL SERVICE CONNECTIONS (TYPICAL) INSTALL ALL SERVICES PERPENDICULAR TO MAIN.
2. INSTALL WATERMAIN CROSSING PER UDACS PLATE 15 & 16
3. INSTALL 3/4" IRR. METER WITH 1" RPPA, 1" COPPER SERVICE, SERVICE SADDLE PER UDACS PLATES 1D AND 11A, ANGLE METER STOP REQUIRED BEFORE & AFTER THE METER
4. SERVICE LATERALS NOT INSTALLED 90' FROM THE WATER MAIN, LOCATOR TAPE SHALL BE ATTACHED TO THE LATERAL AND TERMINATE IN THE METER BOX.
5. INSTALL 8"X1" SERVICE SADDLE
6. INSTALL 1" 90° BEND PER UDACS PLATE 5
7. INSTALL 6" 90° BEND PER UDACS PLATE 5
8. INSTALL FIRE HYDRANT ASSEMBLY COMPLETE WITH 6" GATE VALVE PER UDACS PLATE #7
9. INSTALL 6"x6" TEE W/THRUST BLOCKS PER U.D.A.C.S. PLATE #5
10. INSTALL 6" CAP AND 2" BLOWOFF PER UDACS PLATE 4A
11. 8" x 8" TEE W/THRUST BLOCKS PER U.D.A.C.S. PLATE #5
12. INSTALL 6" CAP AND 2" BLOWOFF PER UDACS PLATE 4A
13. INSTALL 8" 45° BEND PER UDACS PLATE 5
14. INSTALL 8" 22.5° BEND PER UDACS PLATE 5
15. INSTALL 6"X6" MECHANICAL JOINT TAPPING SLEEVE WITH 6" TAPPING VALVE PER UDACS PLATE NO. 22
16. INSTALL 8"X6" REDUCER PER UDACS PLATE 3
17. 8"X6"X8" TEE W/THRUST BLOCKS PER U.D.A.C.S PLATE 5
18. INSTALL 8"X8" MECHANICAL JOINT TAPPING SLEEVE W/ 8" TAPPING VALVE PER UDACS PLT 22
19. INSTALL 8" GATE VALVE PER UDACS PLATE 3 & 8
20. INSTALL 8" X 8" CROSS PER UDACS PLATE 5
21. INSTALL 6" GATE VALVE PER UDACS PLATE 3 & 8
22. INSTALL 8" 11.25° PER UDACS PLATE 3 & 8
23. INSTALL 8" 90° BEND PER UDACS PLATE 5
24. TRENCH AND BACKFILL IN PAVED AREAS PER CCAUSD #503

SEWER NOTES

1. INSTALL 48" SEWER MANHOLE PER UDACS PLATE # SD-1
2. INSTALL 8" PVC PER CCWRD STD DWG SD-16A
3. INSTALL 4" SEWER LATERAL PER CCWRD STD DWG SD-17

BASIS OF BEARING

N00°13'16"W
BEING THE WEST LINE OF THE SE 1/4 OF SECTION 35, TOWNSHIP 20 SOUTH, RANGE 61 EAST, M.D.M. CLARK COUNTY, NEVADA, AS PER RECORD OF SURVEY FILE 117 PAGE 75, CLARK COUNTY, NEVADA RECORDS.

BENCHMARK

BM NO. 7C0135S6
ELEVATION = 1905.28' NAVD'88

RIVET AND PLATE IN T/C, NW COR. OF FREMONT ST. AND BRUCE ST. NEAR THE P.C. OF FREMONT ST.

FEMA INFORMATION

SITE IS LOCATED IN ZONE 'X', AREA DETERMINED TO BE OUT SIDE OF 500 YEAR FLOOD ZONE PER FIRM MAP NO. 32003 C 2170 E EFFECTIVE SEPT. 27, 2002.

GENERAL NOTES

1. JPL ENGINEERING, INC. ASSUMES NO RESPONSIBILITY FOR EXISTING UTILITIES SHOWN OR NOT SHOWN. THE UTILITIES SHOWN ON THIS DRAWING HAVE BEEN PLOTTED FROM RECORD INFORMATION AND ARE FOR THE CONVENIENCE OF THE CONTRACTOR ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY BOTH THE HORIZONTAL AND VERTICAL LOCATION OF ALL RELEVANT UTILITIES PRIOR TO COMMENCEMENT OF CONSTRUCTION. IF A CONFLICT OR DISCREPANCY IS DISCOVERED, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IN WRITING IMMEDIATELY.
2. ALL WATER FACILITIES CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR WATER DISTRIBUTION SYSTEMS (UDACS), LATEST EDITION.
3. WATER AND SEWER SERVICE LATERALS SHALL BE INSTALLED A MINIMUM OF FOURTY-EIGHT (48) INCHES APART IN SEPERATE TRENCHES. WATER LATERALS SHALL BE A MINIMUM OF TWELVE (12) INCHES ABOVE THE SEWER LATERAL (REF. UNIFORM PLUMBING CODE)

LEGEND

CENTERLINE
PROPERTY LINE
PROPOSED DRAINAGE EASEMENT
PROPOSED AC AREA
ASSESSOR'S PARCEL NUMBER — APN
PROPSED FIRE HYDRANT
EXISTING FIRE HYDRANT
PROPSED WATER VALVE
EXISTING WATER VALVE
STUB & CAP
EXSITING CONTOUR — (2315)
FLOW LINE
EDGE OF PAVEMENT
EX. EDGE OF PAVEMENT
ELECTRICAL TRANSFORMER — T
ELECTRICAL PANEL
SIGHT VISABILITY ZONE (SVZ)

NOTE:
ALL PRIVATE DRIVES ARE P.U.E., PUBLIC SEWER EASEMENTS, AND PUBLIC DRAINAGE EASEMENTS TO BE PRIVATELY MAINTAINED BY HOA

CITY OF LAS VEGAS FIRE DEPARTMENT

FIRE FLOW REQUIREMENT IS 1,500 GPM AT 20 POUNDS PER SQUARE INCH RESIDUAL BASED ON :

LARGEST AREA BETWEEN 4 HOUR SEPARATION WALLS	2,002 SF
BUILDING HEIGHT	35 FEET
NUMBER OF STORIES	3 STORIES
TYPE OF CONSTRUCTION	II-ONE HOUR
OCCUPANCE	SINGLE FAMILY
FULL AUTOMATIC SPRINKLER SYSTEM:	YES

APPROVALS

REVIEWED BY: _____ 1/22/07
APPROVAL BY THE FIRE DEPARTMENT HAVING JURISDICTION IS REQUIRED PRIOR TO OBTAINING FINAL APPROVAL FROM THE LVVWD

ANY BLOCK WALL OR OTHER FENCE MATERIAL SHALL BE DESIGNED AND CONSTRUCTION AROUND THE OUTSIDE OF THE EASEMENT, SO AS TO ALLOW THE DISTRICT ACCESS FROM THE ADJACENT RIGHT-OF-WAY

_____ 3/28/07
LAS VEGAS VALLEY WATER DISTRICT — DATE
PROJECT NO 110070

REV	DATE	DESCRIPTION	DATE	APPROVAL

JPL ENGINEERING INC.
8620 South Eastern Avenue Suite 8
Las Vegas, NV 89123
phone (702) 896-0647 fax (702) 896-0647

URBAN LOFTS X, LTD
FREMONT STREET LOFT HOMES
UTILITY PLAN III
JULY 2006

PROFESSIONAL ENGINEER-STATE OF NEVADA
JAMES P. LOPEZ
Exp. 12-31-07
CIVIL
No. 14975
11/11/06

JOB #05047
SHEET NO
UT3
12 OF 24
10744945

10/11/51