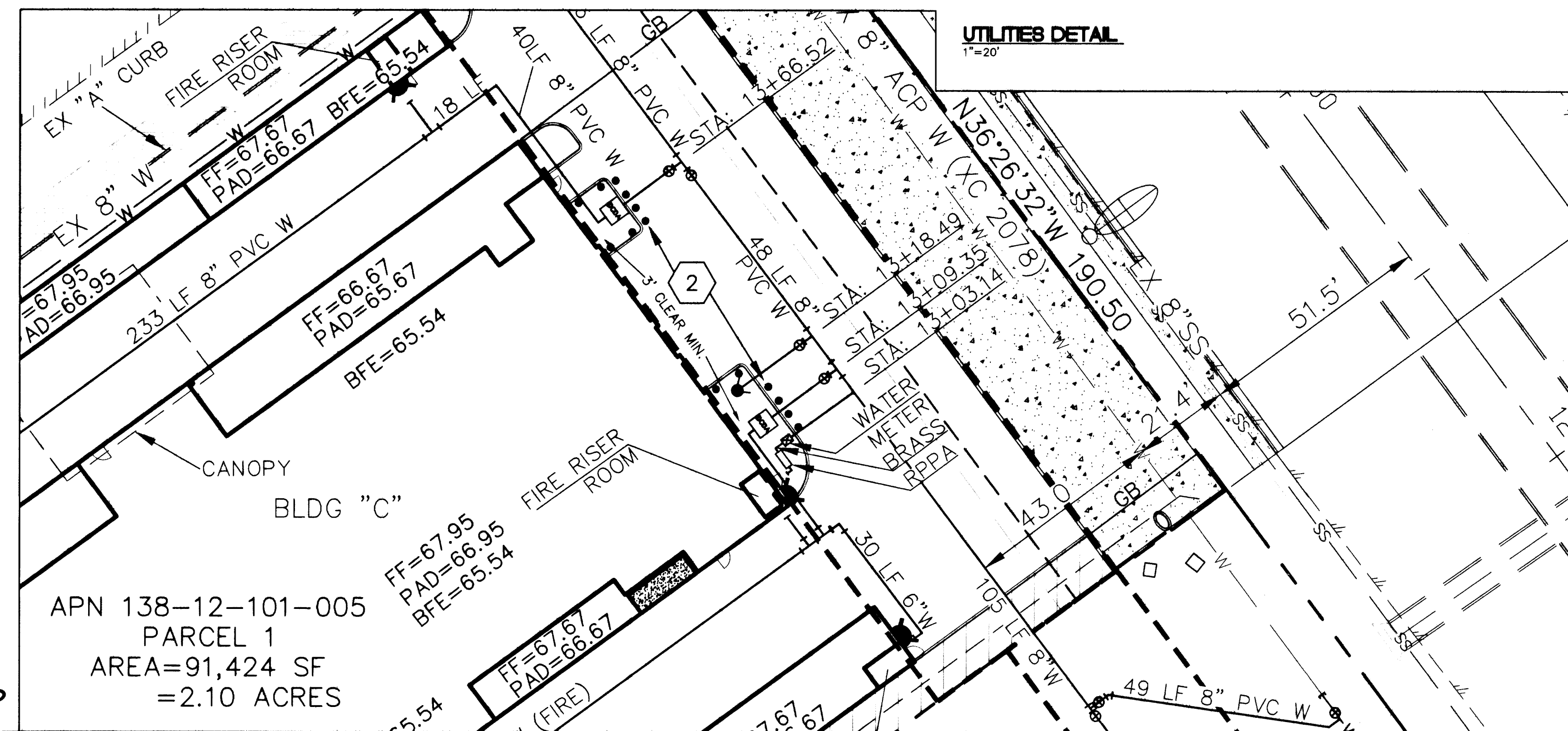
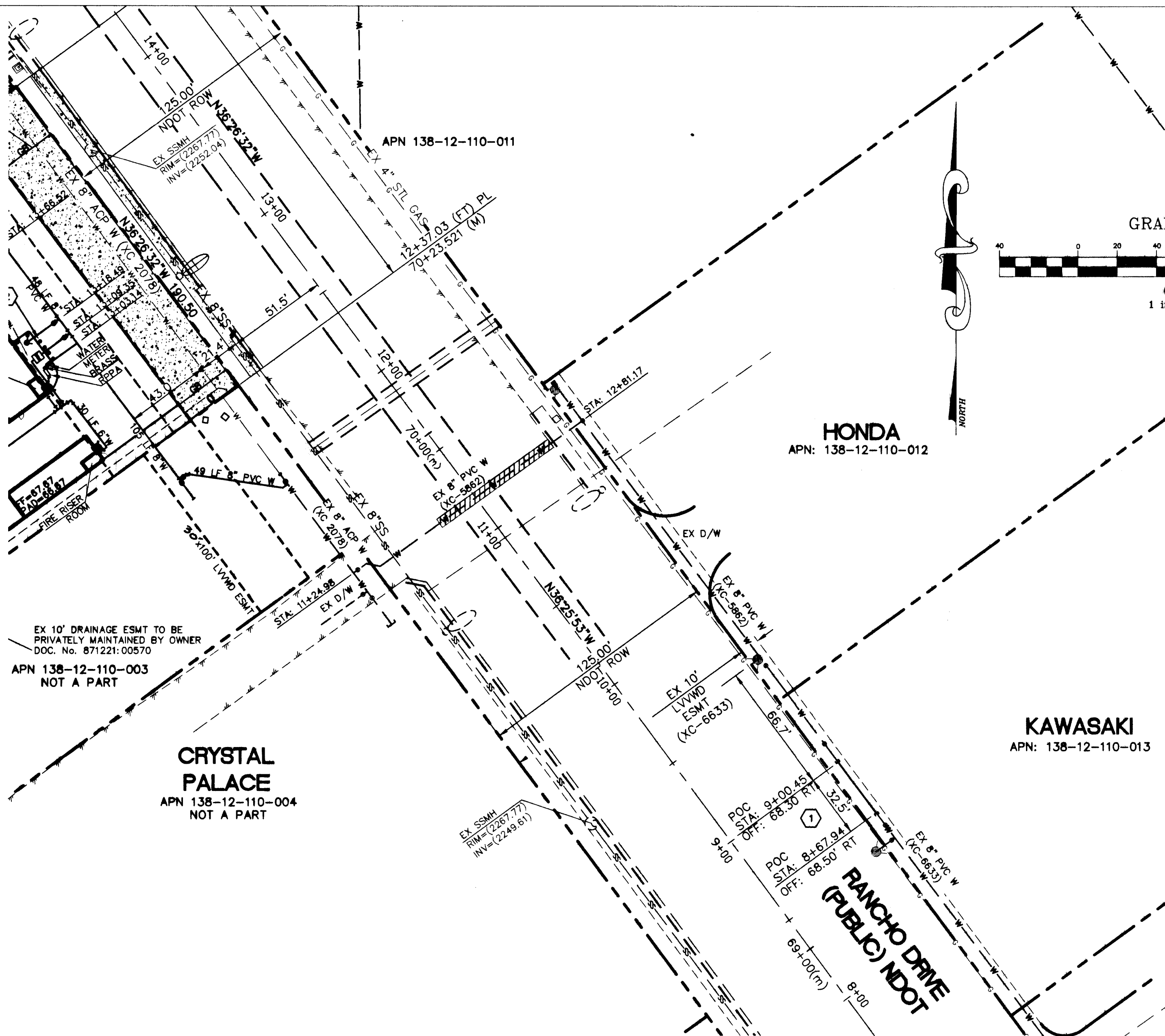




LWWD STANDARD NOTES

LAS VEGAS VALLEY WATER DISTRICT STANDARD NOTES
LVVWD PROJECT No. 111957

1. NO WORK SHALL BEGIN UNTIL THE WATER PLANS HAVE BEEN APPROVED FOR CONSTRUCTION BY THE LVVMD. FOLLOWING WATER PLAN APPROVAL, NOTICE SHALL BE GIVEN TO THE LVVMD CONSTRUCTION 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 LVVMD INSPECTION. WHEN REQUESTING INSPECTIONS, PLEASE REFER TO THE PROJECT # IDENTIFIED ABOVE.
2. ALL WORK SHALL CONFORM TO LVVMD STANDARD PLATES, DRAWINGS, AND SPECIFICATIONS, AND TO THE UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR POTABLE WATER SYSTEMS (UDACS).
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 LVVMD.
5. ALL SERVICE LATERALS TWO (2) INCHES IN DIAMETER AND SMALLER SHALL BE TYPE K COPPER TUBING WITH LVVMD 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 2.19 OF THE 2003 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 LVVMD DISTRIBUTION SYSTEM.
10. THE CONTRACTOR MUST OBTAIN ALL METERS TWO (2) INCHES AND SMALLER FROM LVVMD CENTRAL STORES. TELEPHONE 258-3159 OR 258-3802, TWO (2) WORKING DAYS PRIOR TO METER PICKUP.
11. ANY INTERRUPTION OF SERVICE MUST BE PERFORMED IN ACCORDANCE WITH UDACS SECTION 3.13.01, AND APPROVED BY THE LVVMD 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 LVVMD PRE-APPROVED MATERIALS AND MANUFACTURER'S LISTING FOR NEW FACILITIES, LATEST REVISION, OR SPECIFICALLY APPROVED ON THESE PLANS.
13. TELEPHONE "CALL BEFORE YOU DIG" AT 1-800-227-2600.

CONSTRUCTION NOTES

1. INSTALL 8" WATER MAIN. REMOVE CAP AND BLOW OFF PER UDACS PLATE NO. 4A. NOTE NO. 1, AND CONNECT TO EXISTING MAIN. (NOTE: CONTRACTOR TO VERIFY DEPTH AND EXACTLY LOCATION) AS PER LVVWD REQUIREMENT.
2. INSTALL VEHICULAR PROTECTION BOLLARDS AS NEEDED PER UDACS PLATE #23.

LEGEND

	ROADWAY CENTERLINE
	PROPERTY LINE
	EXISTING CMU WALL
	EXISTING 'L' TYPE CURB
	PROPOSED EDGE OF PAVEMENT
	EXISTING EDGE OF PAVEMENT
	'T' TYPE CURB & GUTTER
	W/ SIDEWALK
	'A' TYPE CURB
	'ROLL' TYPE CURB
	EXISTING SAWCUT LINE
	PROPOSED SAWCUT LINE
	BUILDING FOOTPRINT
	EX. 'X'SS'
	EXISTING SEWER LINE
	EX. 'X'G'
	EXISTING GAS LINE
	EX. 'X'W'
	EXISTING WATER LINE
	PROPERTY LINE
	CENTERLINE
	EXISTING STREET LIGHT
	EXISTING AREA LIGHT
	EXISTING FIRE HYDRANT
	PROPOSED FIRE HYDRANT
	EXISTING SEWER MANHOLE
	CONSTRUCTION NOTES
	EXISTING SIGN
	PROPOSED SIGN
	ACCESSIBLE ROUTE
	EXISTING CONCRETE

ABBREVIATIONS

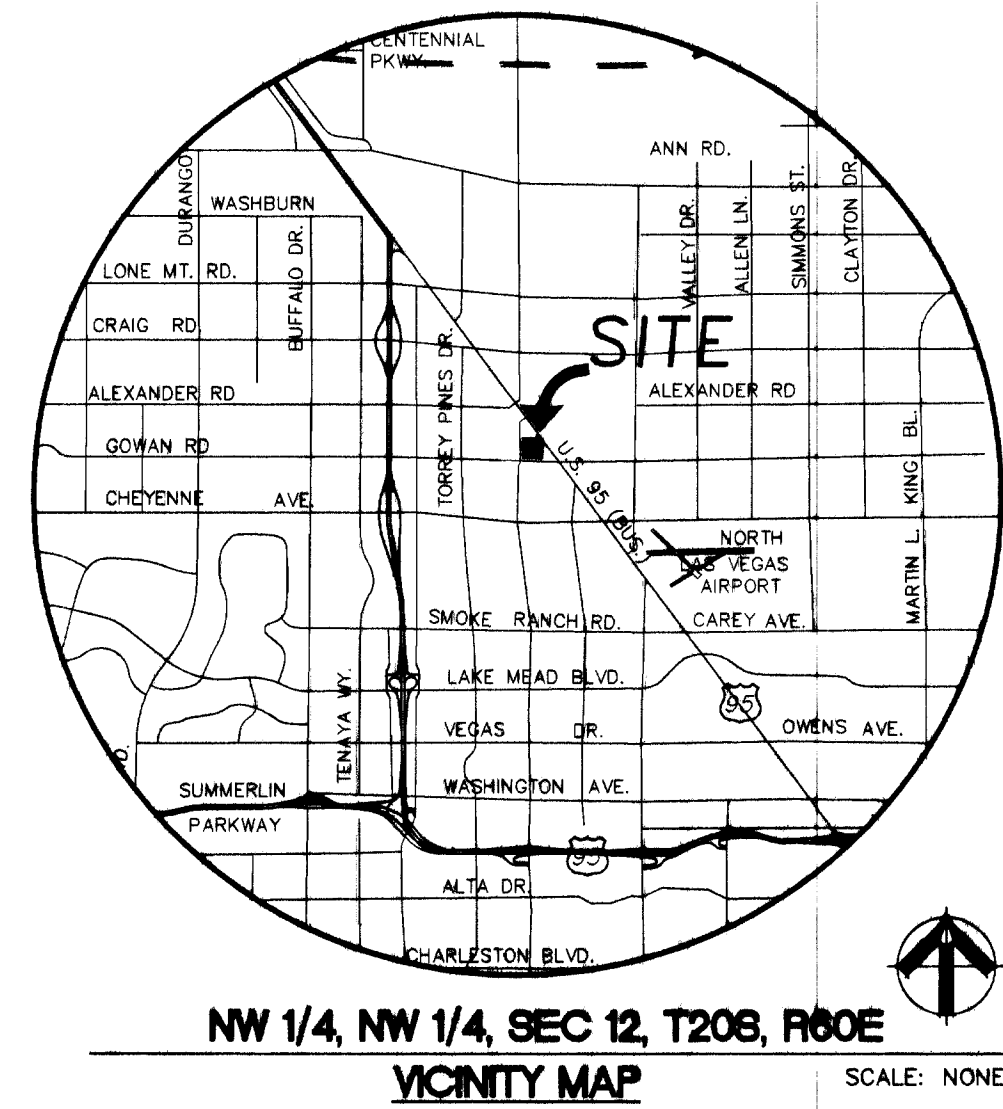
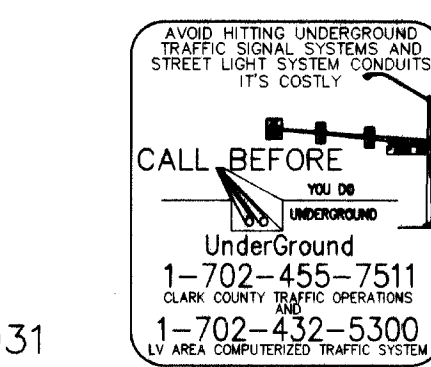
AC	ASPHALTIC CONCRETE
AG	AGGREGATE BASE
CL	CENTERLINE
CO	CLEAN OUT
CONC	CONCRETE
CU	CURB
DI	DROP INLET
EA	EACH
ESMT	EASEMENT
EX	EXISTING
FK	FINISH FLOOR
G	GAS
LF	LINEAR FEET
NAP	MANHOLE
NH	NOT A PART
NTS	NOT TO SCALE
NL	PROPERTY LINE
POC	POINT OF CONNECTION
ROW	RIGHT OF WAY
SD	STORM DRAIN
SF	SQUARE FEET
SMH	SANITARY SEWER
	MANHOLE
SSCO	SANITARY SEWER
	CLEANOUT
STA	STATION
TYP	TYPICAL

ESTIMATED QUANTITIES-PUBLIC

8" PVC WATER MAIN 33 LF

APPROVALS

LAS VEGAS VALLEY WATER DISTRICT SHEETS: 4 & 5	PROJ. #: 111957	DATE
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BASIS OF BEARINGS

S 00°10'18" E, BEING THE BEARING OF BRADLEY ROAD AS SHOWN ON WILLOW DALE PARK IN BOOK 75, PAGE 9 OF PLATS, OFFICIAL RECORDS, CLARK COUNTY, NEVADA.

LEGAL DESCRIPTION

PARCEL 1 OF FILE 100, OF PARCEL MAPS PAGE 4, A PORTION OF THE NORTHWEST QUARTER (NW ¼) OF THE NORTHWEST QUARTER (NW ¼) OF SECTION 12, TOWNSHIP 20 SOUTH, RANGE 60 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY, NEVADA.
SAID LOT CONTAINS APPROXIMATELY 2.5 ACRES.

BENCHMARK

RIVET AND SQUARE ALUMINUM PLATE IN TOP OF SOUTH END OF
CONCRETE HEADWALL, 7' EAST OF RANCHO DR. APPROX. 125' SOUTH OF
THE JONES BLVD./ALEXANDER RD. SWITCH OVER ALIGNMENT.
STATION: 7C00 12NWS
ELEVATION = 2285.244 FT (690.448 METERS)

UTILITY NOTE

THE LOCATION OF UNDERGROUND UTILITIES SHOWN HEREON HAS BEEN DETERMINED FROM SURFACE EVIDENCE OF THEIR EXISTENCE OR FROM INFORMATION OBTAINED FROM THE UTILITY COMPANIES. THE ENGINEER ACCEPTS NO LIABILITY FOR THE EXISTENCE OR NONEXISTENCE OF UTILITY LINES. CONTRACTORS AND OTHERS USING THIS MAP MUST CONFIRM THE LOCATION OF UNDERGROUND LINES OR STRUCTURES WITH THE UTILITY COMPANIES PRIOR TO COMMENCING ANY EXCAVATION.

NOTE: REPLACE ALL TRAFFIC CONTROL DEVICES (SIGNS OR PAVEMENT MARKINGS), UNDER CLARK COUNTY'S JURISDICTION, THAT ARE DISTURBED, DESTROYED, MOVED OR MODIFIED BY TRENCHING ACTIVITY TO CLARK COUNTY'S SATISFACTION. ALL MATERIAL USED SHALL MEET CLARK COUNTY'S SPECIFICATIONS OR WILL BE AN APPROVED EQUAL.

INSTALLATION OF DOUBLE CHECK DETECTOR ASSEMBLY (2 - 8")

THE DOUBLE CHECK DETECTOR ASSEMBLIES SHALL BE INSTALLED IN ACCORDANCE WITH THE UDACS PLATE 11C. ANY BLOCK WALL OR OTHER FENCE MATERIAL SHALL BE DESIGNED AND CONSTRUCTED AROUND THE OUTSIDE OF THE EASEMENT(S), SO AS TO ALLOW THE DISTRICT DIRECT ACCESS FROM THE ADJACENT RIGHT-OF-WAY. EASEMENTS SHALL BE CLEARLY MARKED PRIOR TO THE START OF CONSTRUCTION.

REDUCED PRESSURE PRINCIPLE ASSEMBLY (1-1')

APPROVED PRESSURE PRINCIPLE ASSEMBLY(S) SHALL BE INSTALLED PER THE UDACS PLATE NO. 11A, NO WATER SHALL BE TAKEN FROM A SERVICE REQUIRING BACKFLOW PREVENTION UNTIL THE REDUCED PRESSURE PRINCIPLE ASSEMBLY HAS BEEN SUCCESSFULLY TESTED BY THE LVVWD. ANY BLOCK WALL OR OTHER FENCE MATERIAL SHALL BE DESIGNED AND CONSTRUCTED AROUND THE OUTSIDE OF THE EASEMENT(S), SO AS 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

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 ASSIGNED 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.

CUT AND CAP

THE LATERAL MUST BE CUT WITHIN THREE (3) FEET OF THE ABANDONED VALVE, OR AS SHOWN ON PLANS, AND CAPPED. THE CONTRACTOR SHALL CUT THE EXISTING PIPE WHERE SHOWN ON THE DRAWING, AND INSTALL A CAP COMPLETE WITH CURB BLOCK. WHERE A JOINT OR COUPLING IN THE EXISTING PIPE IS UNCOVERED AT THE CUT LOCATION, THE LATERAL MUST BE CUT AT A PLUG LOCATION DETERMINED WITH DISTRICT APPROVAL. CONCRETE CURB BLOCK SHALL BE INSTALLED AT ALL CAP OR PLUG LOCATIONS, IN ACCORDANCE WITH THE PROVISIONS OF UOACB, PLATE 5.

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 2.06.01 AND 2.06.02. FOR CHANGES IN DIRECTION EXCEEDING THE MAXIMUM ALLOWABLE JOINT DEFLECTION, FITTINGS SHALL BE USED.

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