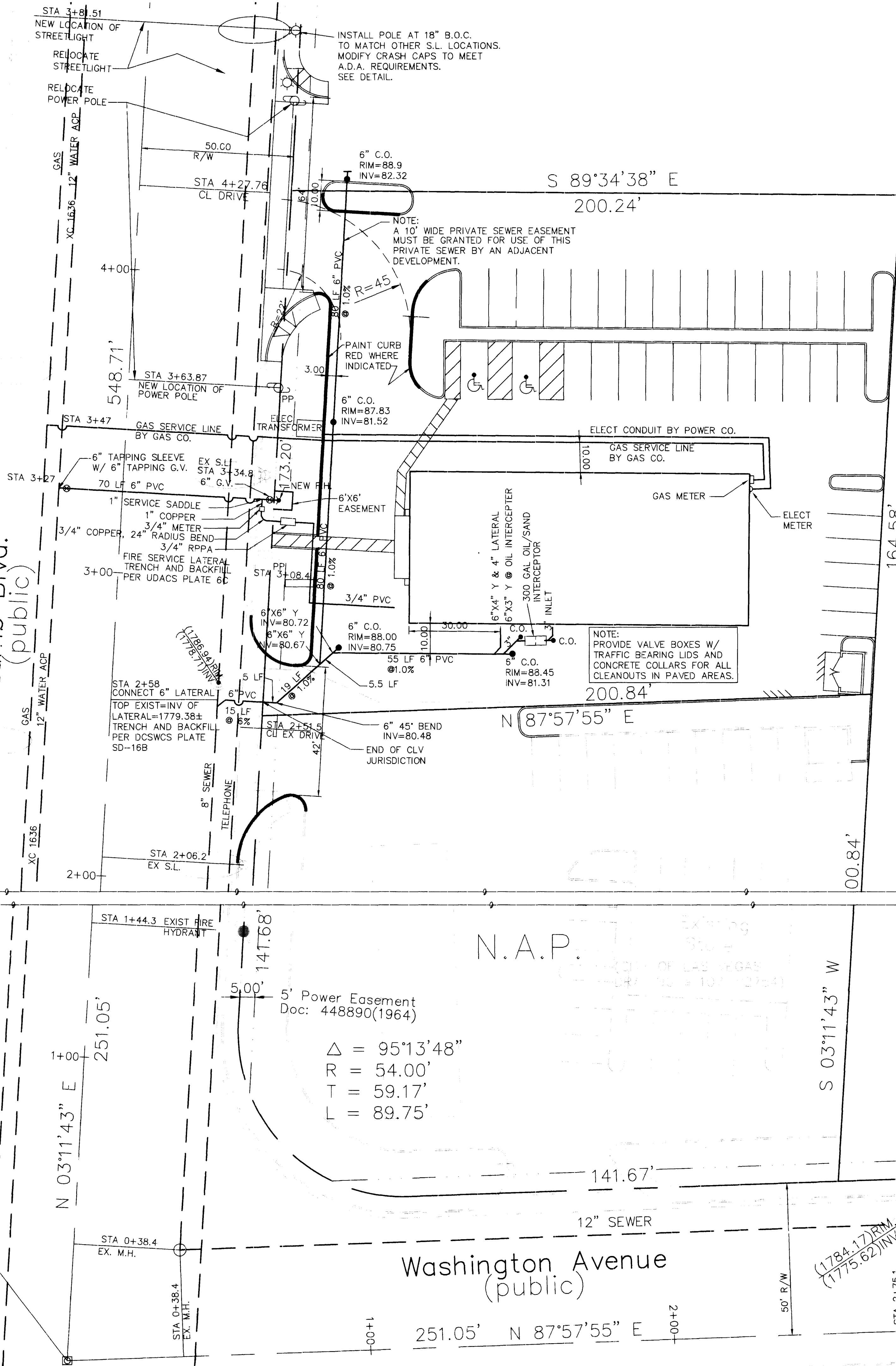


LAS VEGAS VALLEY WATER DISTRICT STANDARD NOTES

1. NO WORK SHALL BEGIN UNTIL THE WATER PLANS HAVE BEEN RELEASED FOR CONSTRUCTION BY THE LVVWD. FOLLOWING WATER PLAN APPROVAL, 48 HOUR NOTICE SHALL BE GIVEN TO THE LVVWD COMMUNICATION SUPPORT CENTER (258-7171) PRIOR TO THE START OF CONSTRUCTION. NOTICE MUST BE GIVEN BY 2:00 PM THE BUSINESS DAY PRIOR TO A LVVWD INSPECTION.
2. ALL WORK SHALL CONFORM TO LVVWD'S STANDARD PLATES, DRAWINGS, AND SPECIFICATIONS AND THE UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR WATER DISTRIBUTION SYSTEMS (UDACS), LATEST EDITION.
3. ALL WORK, EXCEPT AS MODIFIED BY THESE PLANS OR BY NOTE 2, SHALL BE DONE IN ACCORDANCE WITH THE MOST CURRENT 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 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. THE FOLLOWING REQUIREMENTS MUST BE MET IN THE EVENT A WATER LINE AND SANITARY OR STORM SEWER LINE CROSS:
 - A. A MINIMUM EIGHTEEN (18) INCH VERTICAL SEPARATION (OUTSIDE TO OUTSIDE) MUST BE MAINTAINED WHEN THE WATER LINE IS INSTALLED OVER THE SANITARY OR STORM SEWER LINE. IF THE VERTICAL SEPARATION CANNOT BE MAINTAINED OR THE WATER LINE MUST BE PLACED UNDER THE SANITARY OR STORM SEWER LINE, THE SANITARY OR STORM SEWER LINE MUST BE CONSTRUCTED WITH ONE OF THE FOLLOWING OR, AS SHOWN ON THESE PLANS:
 - A. POTABLE WATER SUPPLY QUALITY MATERIAL.
 - B. ENCASUREMENT, WITH FOUR (4) INCH CONCRETE (MINIMUM) C. SLEEVING WITH POTABLE WATER SUPPLY QUALITY PIPE.
 - EACH PROMSION MUST EXTEND ALONG THE SANITARY OR STORM SEWER, ON EITHER SIDE OF THE MAIN, A MINIMUM 10 FOOT DISTANCE PERPENDICULAR TO THE WATER MAIN EXTERIOR.
9. WARNING TAPE SHALL BE REQUIRED OVER ALL MAINS, ALL SIX (6) INCH DIAMETER AND LARGER SERVICE LATERALS, AND ANY SERVICE LATERAL NOT INSTALLED PERPENDICULAR TO THE MAIN IN ACCORDANCE WITH STANDARD PLATE NO. 27.
10. ALL WATER FACILITIES SHALL BE FILLED, DISINFECTED, PRESSURE TESTED, FLUSHED, FILLED AND AN ACCEPTABLE WATER SAMPLE OBTAINED, PRIOR TO CONNECTION TO THE LVVWD'S DISTRIBUTION SYSTEM.
11. THE CONTRACTOR MUST OBTAIN ALL METERS TWO (2) INCHES AND SMALLER FROM LVVWD CENTRAL STORES. TELEPHONE 258-3152 FORTY-EIGHT (48) HOURS PRIOR TO PICKUP.
12. CONSTRUCTION MAY INTERRUPT SERVICE, WITH LVVWD APPROVAL AND PROPER NOTIFICATION, BETWEEN THE HOURS OF 10 PM AND 6 AM, SUNDAY THROUGH THURSDAY. CIRCUMSTANCES MAY REQUIRE TEMPORARY SERVICE FEEDS BE INSTALLED, WITHOUT LVVWD REIMBURSEMENT. ANY TEMPORARY SERVICE FEED MUST HAVE PRIOR LVVWD APPROVAL.
13. ALL WATER FACILITY CONSTRUCTION MATERIALS USED MUST BE AS LISTED ON THE LVVWD'S PRE-APPROVED MATERIALS AND MANUFACTURERS LISTING FOR NEW FACILITIES, LATEST REVISION, OR SPECIFICALLY APPROVED ON THESE PLANS.

Lamb Blvd. (public)



SEWER CONTRIBUTION

0.00133 MGD AVE.
0.00452 MGD PEAK
BASED UPON 0.76 ACRES COMMERCIAL

SEWER QUANTITIES

PRIVATE
252 LF @ 6" PVC
1 @ 6" 45° BEND
2 @ 6"X6" Y
4 @ 6" C.O.
1 @ 6"X4" Y
1 @ 6"X3" Y
1 @ 6" CAP
1 @ 300 GAL OIL SEPARATER

PUBLIC
15 LF @ 6" PVC
WATER QUANTITIES
PUBLIC
1 @ 6" TAPPING SLEEVE
1 @ 6" TAPPING GATE VALVE
70 LF @ 6" PVC FIRE LATERAL
1 @ FIRE HYDRANT
1 @ 1" SERVICE SADDLE
1 LF @ 1" COPPER LATERAL
1 @ 3/4" METER

PRIVATE
1 @ 3/4" RPPA
58 LF @ 3/4" PVC

FIRE FLOW CALCULATIONS

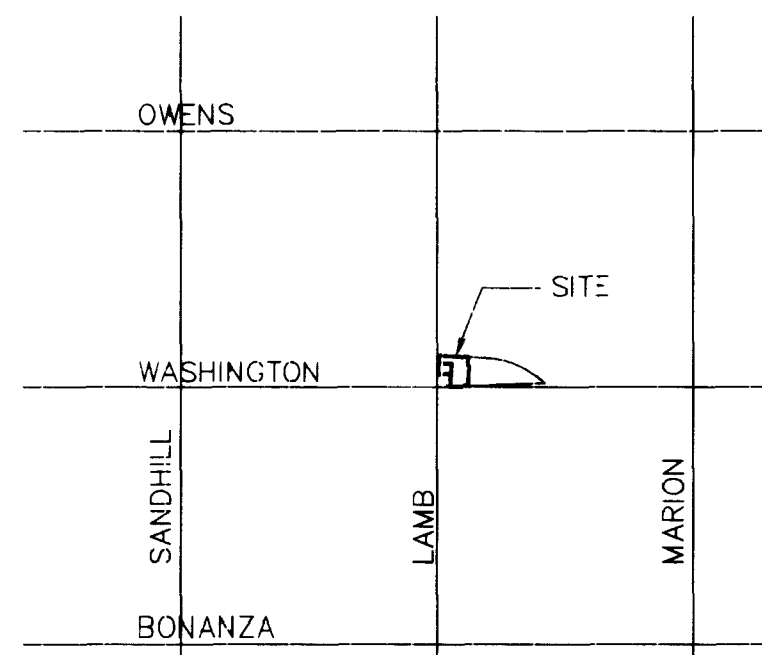
FIRE FLOW REQUIREMENT AT 20 PSI RESIDUAL PRESSURE. = 2000 GPM

BASED ON:

SQUARE FOOTAGE: = 5575 SQ.FT.
LARGEST AREA BETWEEN 4-HOUR AREA SEPARATION WALLS = 5575 SQ.FT.
BUILDING HEIGHT = 16 FT.
NUMBER OF STORIES = 1 FLOORS
TYPE OF CONSTRUCTION = V-N
OCCUPANCY = M
FULL AUTOMATIC FIRE SPRINKLER SYSTEM NONE
FIRE HYDRANTS REQUIRED 2
FIRE HYDRANTS PROVIDED 1 EXISTING 1 NEW

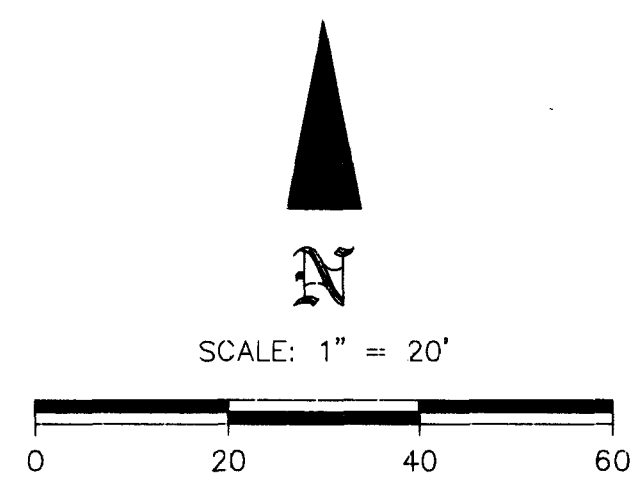
REVIEWED BY: *[Signature]* 10-7-98

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY.	AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY.
Call before you Dig- 1-800-227-2600	Call before you OVERHEAD 1-702-593-6111
UNDERGROUND SERVICE ALERT (USA)	NEVADA POWER ENVIRONMENT AND SAFETY SERVICES DEPARTMENT



VICINITY MAP

NO SCALE



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. PRV'S ARE THE DEVELOPER'S RESPONSIBILITY AND WILL NOT BE INSPECTED OR INCLUDED IN THE ACCEPTANCE OF LVVWD FACILITIES.

REDUCED PRESSURE PRINCIPLE ASSEMBLY

APPROVED REDUCED PRESSURE PRINCIPLE ASSEMBLY(S) SHALL BE INSTALLED PER THE UDACS PLATE NO. 11A OR 11B. 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) TO ALLOW THE DISTRICT DIRECT ACCESS FROM THE ADJACENT RIGHT-OF-WAY.

FIRE HYDRANT INSTALLATION

FIRE HYDRANT(S) TO BE INSTALLED IN ACCORDANCE WITH THE UDACS STANDARD PLATE NO. 7.

PROJECT NAME: **ULTIMATE**
SHEET **C3**
This project water plan complies with the Las Vegas Valley Water District's technical requirements. However, this water plan is **NOT APPROVED FOR CONSTRUCTION** at this time and this signature does not provide or imply a water commitment.

[Signature] 10-07-98
LVVWD DATE

[Signature] 10-7-98
CLV FIRE DEPARTMENT DATE

[Signature] 12/03/98
LAS VEGAS VALLEY WATER DISTRICT DATE

[Signature] 10-7-98
NEVADA POWER CO. DATE

[Signature] 10-03-98
SOUTHWEST GAS DATE

SAIM RANA 3230 E. FLAMINGO RD. LAS VEGAS, NV 89121		AFFLECK ENTERPRISES 4887 IDAHO AVE. LAS VEGAS, NEVADA 89104 431-4827	
UTILITY'S PLAN	SHEET	DATE	DATE
ULTIMATE LAMB BLVD. AND WASHINGTON AVE. CITY OF LAS VEGAS, NEVADA	6/26/98	6/26/98	6/26/98
DRAWN BY: L.H. AFFLECK	DESIGNED BY: L.H. AFFLECK	CHECKED BY: L.H. AFFLECK	PROJECT NO: 97139
SCALE: 1" = 20' HOR.	DATE	DATE	DATE
10-7-98	12/03/98	10-7-98	10-03-98

