

**UTILITY NOTE**

UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTORS 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 RESPONSIBILITY FOR UTILITIES NOT SHOWN IN THEIR PROPER LOCATION.

**WATER NOTES**

- INSTALL 2" COPPER
- INSTALL 2" WATER METER PER U.D.A.C.S. PLATE NO. 1D
- NOT USED
- INSTALL 2" X 2" BRASS TEE
- INSTALL 2" X 3/4" BRASS REDUCER
- NOT USED
- INSTALL 2" RPPA (IRR.) PER U.D.A.C.S. PLATE NO. 11A
- 2" STUB, SEE LANDSCAPE PLANS FOR CONTINUATION
- INSTALL 3/4" RPPA (POT.) PER U.D.A.C.S. PLATE NO. 11A
- INSTALL 3/4" SCH. 40 PVC PIPE
- INSTALL WATER VALVE BOX PER DETAIL A, THIS SHEET.
- INSTALL WATER FOUNTAIN PER DETAIL A, THIS SHEET. SEE LANDSCAPE PLANS FOR EXACT LOCATION. ORIENT PER PLAN.
- SAWCUT AND REMOVE 12" WIDE SECTION OF AC PAVING. BACKFILL AND PATCH AC PER UNIFORM STD. DWG. 504.
- REMOVE EXISTING CURB AND GUTTER TO NEAREST EXPANSION JOINT AND REPLACE EXISTING CURB AND GUTTER PER STD. DWG. 216
- REMOVE EXISTING CONC. WALK TO NEAREST EXPANSION JOINT AND REPLACE EXISTING 4" CONC. WALK PER STD. DWG. 234
- NEW 6" FIRE HYDRANT *LM 11-18-98*

**SEWER NOTES**

- INSTALL 1 1/2" SCH. 40 PVC SEWER
- INSTALL DRINKING FOUNTAIN SUMP, SEE DETAIL B THIS SHEET

**QUANTITY**

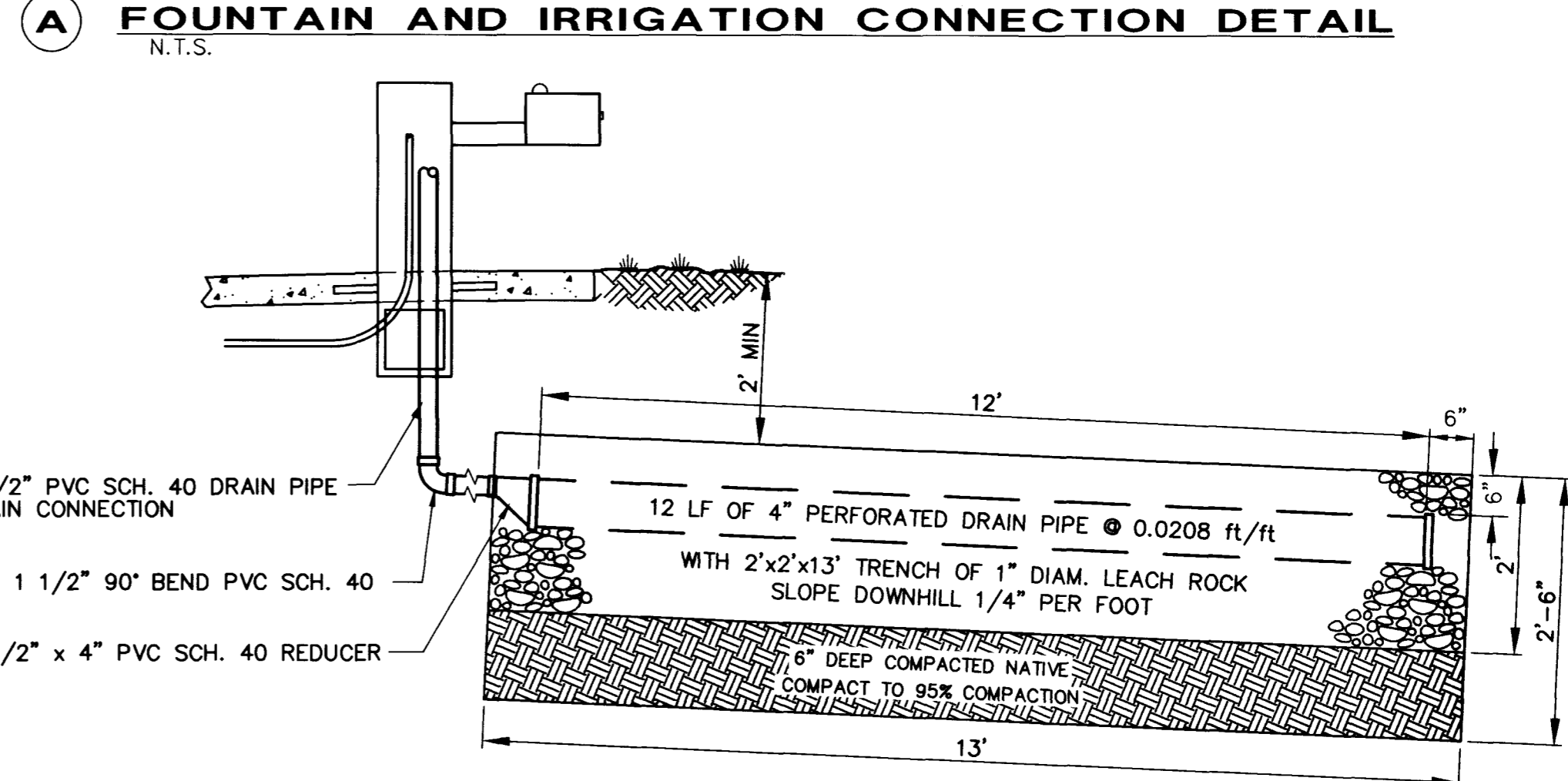
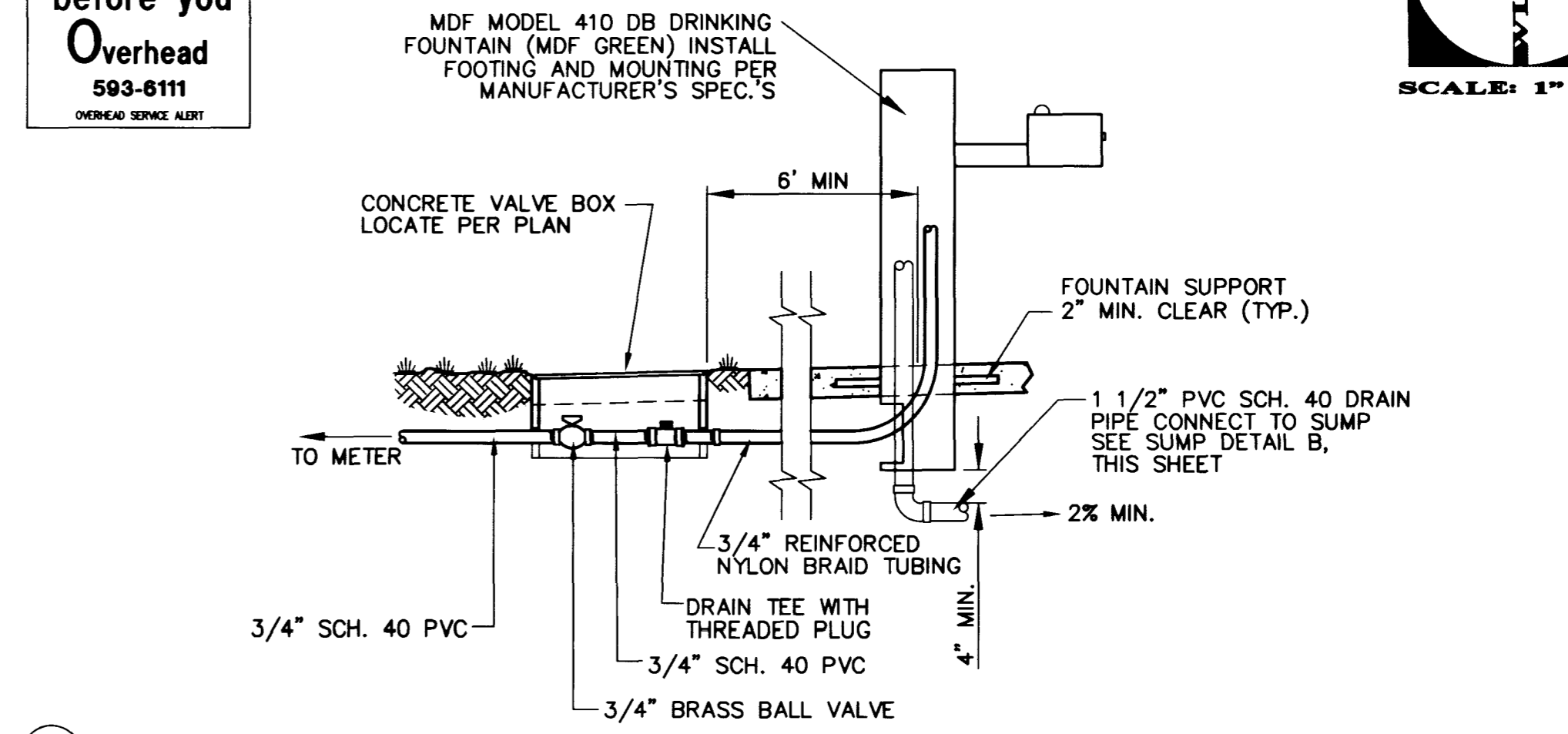
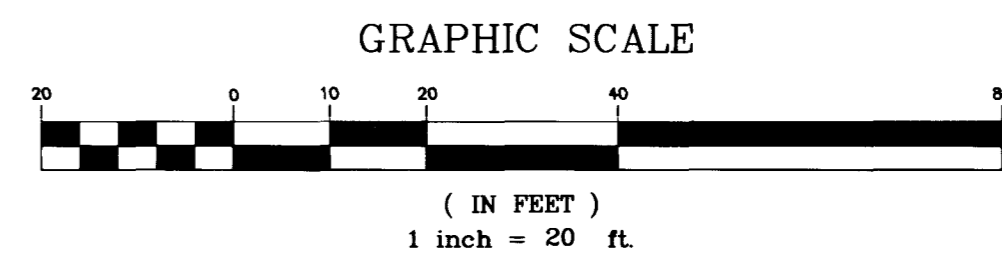
DESCRIPTION	PRIVATE	PUBLIC
0 LF 38 LF	0 LF	38 LF
0 EA 1 EA	0 EA	1 EA
N/A N/A	N/A	N/A
0 EA 1 EA	0 EA	1 EA
0 EA 1 EA	0 EA	1 EA
N/A N/A	N/A	N/A
0 EA 1 EA	0 EA	1 EA
88 LF 8 LF	88 LF	8 LF
1 EA 0 EA	1 EA	0 EA
1 EA 0 EA	1 EA	0 EA
0 SF 367 SF	0 SF	367 SF
0 LF 5 LF	0 LF	5 LF
0 SF 35 SF	0 SF	35 SF

**QUANTITY**

DESCRIPTION	PRIVATE	PUBLIC
28 LF 0 LF	28 LF	0 LF
1 EA 0 EA	1 EA	0 EA

Avoid cutting underground utility lines. It's costly.  
**Call before you Dig.**  
1-800-227-2600  
UNDERGROUND SERVICE ALERT

**SAFETY ALERT**  
**Call before you Overhead**  
593-6111  
OVERHEAD SERVICE ALERT



**B DRINKING FOUNTAIN SUMP DRAIN DETAIL**  
N.T.S.

PROJECT NAME: YVONNE ATKINSON GATES  
CHILDHOOD DEV. CENTER S.W. 4TH ST. CH  
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.  
*Louis E. Quibler 11-18-98*  
DATE

**LAS VEGAS VALLEY WATER DISTRICT NOTES**

- NO WORK SHALL BEGIN UNTIL THE WATER PLANS HAVE BEEN RELEASED FOR CONSTRUCTION BY THE LVWD. FOLLOWING WATER PLAN APPROVAL, FORTY-EIGHT (48) HOUR NOTICE SHALL BE GIVEN TO THE LVWD COMMUNICATIONS CENTER (285-7171) PRIOR TO THE START OF CONSTRUCTION. NOTICE MUST BE GIVEN BY 2:00 PM THE BUSINESS DAY PRIOR TO A LVWD INSPECTION.
- ALL WORK SHALL CONFORM TO THE LVWD STANDARD PLATES, DRAWINGS, AND SPECIFICATIONS AND THE UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR WATER DISTRIBUTION SYSTEMS (UDACS), LATEST EDITION.
- 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 OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA.
- A SINGLE PIPE MATERIAL SHALL BE USED THROUGHOUT THE PROJECT, UNLESS OTHERWISE APPROVED BY THE LVWD.
- ALL SERVICE LATERALS TWO INCHES (2") IN DIAMETER AND SMALLER SHALL BE COPPER TUBING WITH LVWD APPROVED SERVICE SADDLES.
- ALL WATER METER BOXES SHALL BE LOCATED OUTSIDE OF DRIVEWAY AREAS.
- ALL VALVES SHALL BE LOCATED OUTSIDE OF DRIVEWAYS, GUTTERS, CURBS AND ALLEY GUTTERS.
- THE FOLLOWING REQUIREMENTS MUST BE MET IN THE EVENT A WATER LINE AND A SANITARY SEWER OR STORM SEWER LINE CROSS:  
A. A MINIMUM EIGHTEEN INCH (18") 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 INCH (4") CONCRETE (MINIMUM).  
C. SLEEVING WITH POTABLE WATER SUPPLY QUALITY PIPE.  
EACH PROVISION MUST EXTEND ALONG THE SANITARY OR STORM SEWER, ON EITHER SIDE OF THE WATER MAIN, A MINIMUM TEN FOOT (10') DISTANCE PERPENDICULAR TO THE EXTERIOR OF MAIN.
- WARNING TAPE SHALL BE REQUIRED OVER ALL MAINS, ALL SIX INCH (6") DIAMETER AND LARGER SERVICE LATERALS, AND ANY SERVICE LATERAL NOT INSTALLED PERPENDICULAR TO THE MAIN IN ACCORDANCE WITH STANDARD PLATE NO. 27.
- ALL WATER FACILITIES SHALL BE FILLED, DISINFECTED, PRESSURE TESTED, FLUSHED, AND AN ACCEPTABLE WATER SAMPLE OBTAINED PRIOR TO CONNECTION TO THE LVWD'S DISTRIBUTION SYSTEM.
- THE CONTRACTOR MUST OBTAIN ALL METERS TWO INCHES (2") AND SMALLER FROM THE LVWD CENTRAL STORES. TELEPHONE 258-3152 FORTY-EIGHT (48) HOURS PRIOR TO PICK-UP. CONSTRUCTION MAY INTERRUPT SERVICE WITH LVWD APPROVAL AND PROPER NOTIFICATION, BETWEEN THE HOURS OF 10:00 PM AND 8:00 AM SUNDAY THROUGH THURSDAY, CIRCUMSTANCES THAT MAY REQUIRE TEMPORARY SERVICE FEEDS MUST HAVE PRIOR LVWD APPROVAL.
- ALL WATER FACILITY CONSTRUCTION MATERIALS USED MUST BE AS LISTED ON THE LVWD'S PRE-APPROVED MATERIALS AND MANUFACTURERS LISTING FOR NEW FACILITIES, LATEST REVISION OR SPECIFICALLY APPROVED ON THESE PLANS.

**INSTALLATION OF:**

ONE (1) 3/4" & ONE (1) 2" REDUCED PRESSURE PRINCIPLE ASSEMBLY  
APPROVED REDUCED 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 LVWD.

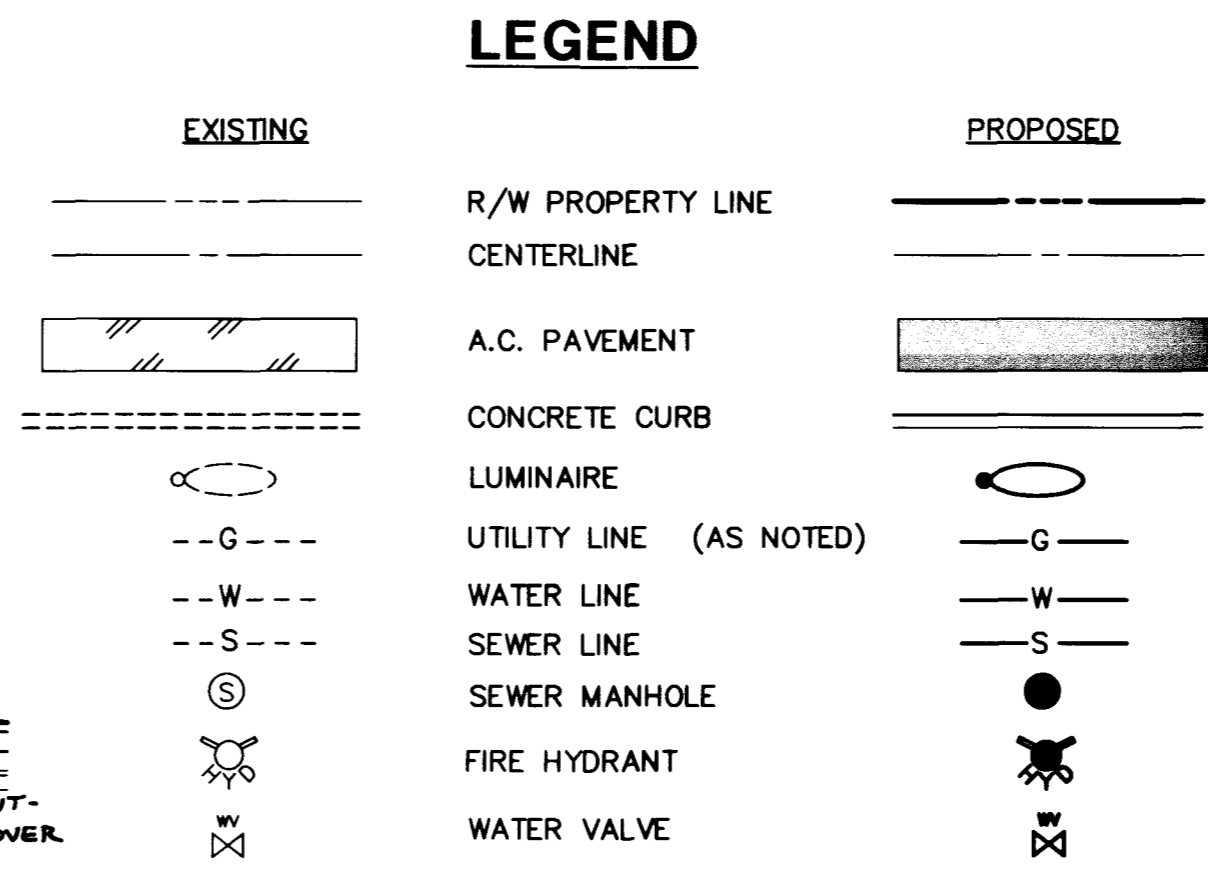
ANY BLOCK WALL OR OTHER FENCE MATERIAL SHALL BE DESIGNED AND CONSTRUCTED AROUND THE OUTSIDE OF THE EASEMENT(S) TO ALLOW THE DISTRICT DIRECT ACCESS FROM THE ADJACENT RIGHT-OF-WAY.

**BASIS OF BEARINGS**

N 89°25'47" W THE SOUTH LINE OF THE NORTHEAST QUARTER (NE 1/4) OF SECTION 29, TOWNSHIP 20 SOUTH, RANGE 61 EAST, M.D.B.284, AS SHOWN ON PLAT MAP "TWIN LAKES VILLAGE - UNIT 6" IN BOOK 5, PAGE 11, CLARK COUNTY RECORDS, NEVADA.

**BENCHMARK**

2LV01-29E4 DRIVE RIVET AND PLATE IN THE TOP OF CURB IN THE SOUTHWEST QUADRANT OF WASHINGTON AVENUE AND TONOPAH DRIVE.  
ELEVATION 2068.74 FEET = 630.5516 METERS (NAVD 88)



LAS VEGAS VALLEY WATER DISTRICT DATE

REVISION	
BY	
DATE	

CLARK COUNTY DEPT. OF PARKS & REC.  
800 S. GRAND CENTRAL PKWY.  
LAS VEGAS, NV 89105

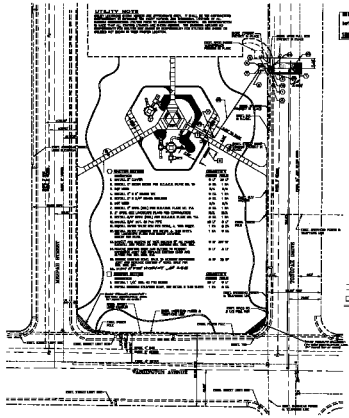
UTILITY PLAN

SHEET TITLE:

Drawn by: CL  
Designed by: CL  
Checked by: JTH  
Project No.: 49B061A001  
Scale: 1" = 20' (H)  
N/A

PROFESSIONAL ENGINEER  
TED H. LYON  
CIVIL  
No. 5425  
11/18/98  
SHEET C4  
4 OF 4 SHEETS  
DRAWING NO. 650.571

**NOTES:**  
 1. ALL DIMENSIONS ARE IN FEET AND INCHES.  
 2. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE NOTED.  
 3. ALL DIMENSIONS ARE TO CENTERLINE UNLESS OTHERWISE NOTED.  
 4. ALL DIMENSIONS ARE TO CENTERLINE UNLESS OTHERWISE NOTED.  
 5. ALL DIMENSIONS ARE TO CENTERLINE UNLESS OTHERWISE NOTED.



**SECTION NOTES**

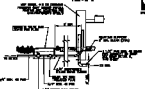
1. WALL 2' THICK	QUANTITY 1.00
2. WALL 4' THICK	QUANTITY 1.00
3. WALL 6' THICK	QUANTITY 1.00
4. WALL 8' THICK	QUANTITY 1.00
5. WALL 10' THICK	QUANTITY 1.00
6. WALL 12' THICK	QUANTITY 1.00
7. WALL 14' THICK	QUANTITY 1.00
8. WALL 16' THICK	QUANTITY 1.00
9. WALL 18' THICK	QUANTITY 1.00
10. WALL 20' THICK	QUANTITY 1.00
11. WALL 22' THICK	QUANTITY 1.00
12. WALL 24' THICK	QUANTITY 1.00
13. WALL 26' THICK	QUANTITY 1.00
14. WALL 28' THICK	QUANTITY 1.00
15. WALL 30' THICK	QUANTITY 1.00
16. WALL 32' THICK	QUANTITY 1.00
17. WALL 34' THICK	QUANTITY 1.00
18. WALL 36' THICK	QUANTITY 1.00
19. WALL 38' THICK	QUANTITY 1.00
20. WALL 40' THICK	QUANTITY 1.00

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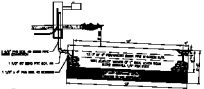
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19. WALL 38' THICK	QUANTITY 1.00
20. WALL 40' THICK	QUANTITY 1.00



SCALE BAR  
 0 10 20 30 40 50  
 FEET



**A FOUNTAIN AND IRRIGATION CONNECTION DETAIL**



**B DRINKING FOUNTAIN BASIN DRAIN DETAIL**

*Special Features*

**LEGEND**

1. WALL 2' THICK	2. WALL 4' THICK	3. WALL 6' THICK	4. WALL 8' THICK	5. WALL 10' THICK	6. WALL 12' THICK	7. WALL 14' THICK	8. WALL 16' THICK	9. WALL 18' THICK	10. WALL 20' THICK	11. WALL 22' THICK	12. WALL 24' THICK	13. WALL 26' THICK	14. WALL 28' THICK	15. WALL 30' THICK	16. WALL 32' THICK	17. WALL 34' THICK	18. WALL 36' THICK	19. WALL 38' THICK	20. WALL 40' THICK
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CLARK COUNTY DEPT. OF PARKS & RECREATION  
 STAFF: [ ]  
 DATE: [ ]  
 PROJECT: [ ]  
 DRAWING NO.: [ ]  
 SHEET NO.: [ ]  
 TOTAL SHEETS: [ ]  
 SCALE: [ ]  
 DESIGNER: [ ]  
 CHECKER: [ ]  
 APPROVED: [ ]  
 TITLE: UTILITY PLAN  
 PROJECT: NEW YORKER AIRBORNE CENTER  
 ADDRESS: 1000 W. 10TH ST.  
 CITY: DENVER, CO 80202  
 CLIENT: WLB  
 ARCHITECT: WLB  
 1000 W. 10TH ST.  
 DENVER, CO 80202  
 PHONE: (303) 733-1111  
 FAX: (303) 733-1112  
 WWW: WWW.WLB.COM