

FILENAME: M:\2006\LV06-410 Living Water Baptist Church\Cadding plans\LV06-410 UT.dwg, LAST SAVED ON: Jan 03 2008 10:48am PLOTTED BY: ANDY, ON: Jan 15 2008 7:38am

DISCLAIMER NOTE:

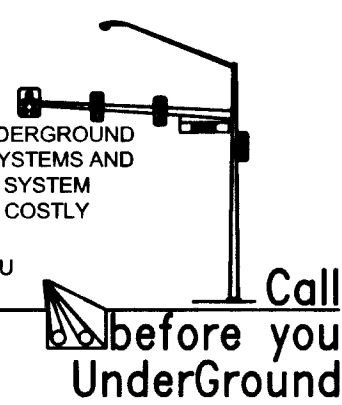
UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UNDERGROUND OR OVERHEAD UTILITIES PRIOR TO COMMENCING CONSTRUCTION. NO REPRESENTATION IS MADE THAT ALL EXISTING UTILITIES ARE SHOWN HEREON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN OR UTILITIES NOT SHOWN IN THEIR PROPER LOCATION. CONTRACTOR TO NOTIFY ENGINEER OF ANY CHANGES OR DISCREPANCIES.

Call before you Overhead
1-702-593-8111
NEVADA POWER OVERSIGHT AND SAFETY SERVICES DEPARTMENT

Call before you Dig
811 or 1-800-227-2800
CLARK COUNTY TRAFFIC OPERATIONS
1-702-432-5300
LAS VEGAS AREA COMPUTERIZED TRAFFIC SYSTEM

AVOID HITTING UNDERGROUND TRAFFIC SIGNAL SYSTEMS AND STREET LIGHT SYSTEM CONDUITS ITS COSTLY

CALL BEFORE YOU DO UNDERGROUND



UTILITY DEMAND			
USE	QUANTITY		
COMMERCIAL	10,327 SQ FT		

WATER METER SUMMARY TABLE			
SIZE	TYPE	USE	QTY
1-1/2"	PD	COMMERCIAL	1

GENERAL NOTES:

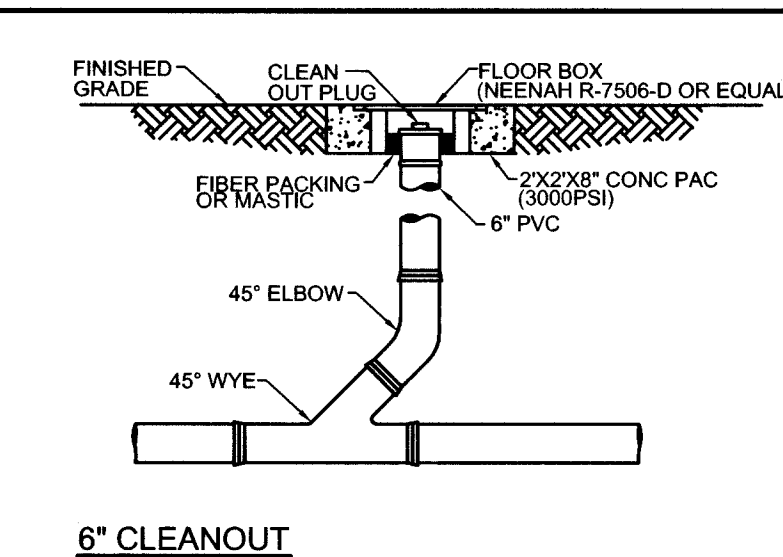
- SEE SHEET NT FOR WATER AND UTILITY QUANTITIES
- ALL WATER FACILITIES CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE "UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR WATER DISTRIBUTION SYSTEMS" (UDACS), LATEST EDITION.
- WATER AND SEWER SERVICES LATERALS SHALL BE INSTALLED A MINIMUM OF FORTY-EIGHT (48) INCHES APART IN SEPARATE TRENCHES. WATER LATERALS SHALL BE A MINIMUM OF TWELVE (12) INCHES ABOVE THE SEWER LATERAL (REF. UNIFORM PLUMBING CODE).
- INSTALL PIPELINE MARKER BALLS IN TRENCH ABOVE EACH HORIZONTAL ELBOW FITTING, PER UDACS PLATE NO. 27
- ALL COMMON LOTS, PUBLIC DRAINAGE EASEMENTS, & LANDSCAPE EASEMENTS ARE TO BE PRIVATELY MAINTAINED.
- ALL ONSITE WATER AND SEWER UTILITIES ARE PRIVATE.
- PRESSURE REDUCING VALVES ARE REQUIRED.

CROSSING NOTE

ALL SEWER/STORM DRAIN 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.

STATIC PRESSURE NOTE

THIS PROPERTY HAS 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 LVWD FACILITIES.



SERVICE LATERALS FOR (1) 1-1/2" SERVICE WILL BE BY OWNER'S CONTRACTOR UNDER DIRECTION OF THE LVWD.

LEGEND	
(EXISTING)	(PROPOSED)
SEWER MAIN	EX 8" SEWER
SEWER MANHOLE	8" SEWER
SEWER LATERAL	EX 8" WATER
WATER MAIN	8" WATER
WATER METER	
WATER VALVE	
WATER TEE OR BEND	
FIRE HYDRANT	
STORM DRAIN	EX TRIPPLE 12" x 8" RCB SD
STORM DRAIN MANHOLE	SD
STORM DRAIN INLET	
BACKWATER VALVE REQUIRED	(BWV)
PRESSURE REDUCING VALVES	(PRV)

DOUBLE CHECK DETECTOR ASSEMBLY (DCDA) (1) 8"

THE DOUBLE CHECK DETECTOR ASSEMBLY SHALL BE INSTALLED IN ACCORDANCE WITH THE UDACS PLATE NO. 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 OR STAKED PRIOR TO THE START OF CONSTRUCTION.

REDUCED PRESSURE PRINCIPLE ASSEMBLY (1) 1-1/2"

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 EASEMENTS SHALL BE CLEARLY MARKED OR STAKED PRIOR TO THE START OF CONSTRUCTION.

BASIS OF BEARINGS

NORTH 88°19'19" WEST, BEING THE BEARING OF THE SOUTH LINE OF THE SOUTHEAST QUARTER (SE 1/4) OF SECTION 19, TOWNSHIP 20 SOUTH, RANGE 62 EAST, M.D.M. CLARK COUNTY, NEVADA, AS SHOWN ON THAT CERTAIN MAP ON FILE IN THE CLARK COUNTY RECORDERS' OFFICE IN BOOK 124, PAGE 31 OF PLATS.

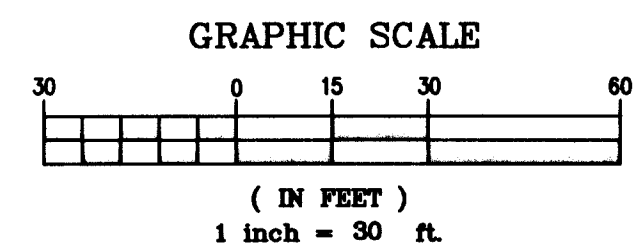
BENCHMARK

CITY OF LAS VEGAS BENCHMARK STATION - 2LV02 30C4
RIVET AND PLATE IN TOP OF CURB AT THE NORTHWEST CORNER OF WASHINGTON AVENUE AND SANDHILL ROAD
ELEVATION = 547.4612 meters (NAV88 PUBLISHED)
ELEVATION = 1796.13 U.S. SURVEY FEET (NAV98 CALCULATED)

- WATER CONSTRUCTION NOTES
- WATER POINT OF CONNECTION
 - INSTALL 8" X 1-1/2" SERVICE SADDLE PER UDACS PLATE NO. 1D
 - INSTALL 1-1/2" METER PER UDACS PLATE NO. 1D
 - INSTALL 1-1/2" RPPA PER UDACS PLATE NO. 11A
 - INSTALL 8" DCDA PER UDACS PLATE NO. 11C
 - INSTALL 1 LF 1-1/2" BRASS WATER LATERAL AND FITTINGS
 - INSTALL 1-1/2" POLYETHYLENE DOMESTIC WATER (PRIVATE)
 - INSTALL 8" 90° BEND PER UDACS PLATE NO. 5
 - INSTALL 8" X 6" TEE WITH THRUST BLOCKS PER UDACS PLATE NO. 5
 - INSTALL 8" 90° BEND PER UDACS PLATE NO. 5
 - INSTALL 6" GATE VALVE WITH THRUST BLOCKS PER UDACS PLATE NO. 3 & 8
 - INSTALL 8" X 6" REDUCER
 - INSTALL FIRE HYDRANT ASSEMBLY PER UDACS PLATE NO. 7
 - INSTALL 10"x8" MECHANICAL JOINT TAPPING SLEEVE W/8" TAPPING VALVE PER UDACS PLATE NO. 22

FIRE FLOW CALCULATIONS

BUILDING 1	
FIRE FLOW REQUIREMENTS AT 20 PSI RESIDUAL PRESSURE	1,500 GPM
BASED ON SQUARE FOOTAGE:	10,327 SQ. FT
LARGEST AREA BETWEEN 4-HOURS AREA SEPARATION WALLS:	NA
BUILDING HEIGHT:	35 FT
NUMBER OF STORIES:	2
TYPE OF CONSTRUCTION:	VB
OCCUPANCY:	M
FULL AUTOMATIC SPRINKLER SYSTEM:	YES



NOTE

NO STRUCTURE, VEGETATION, OR OBJECT OF ANY KIND IS PERMITTED TWENTY-FOUR (24) INCHES IN HEIGHT OR OVER (MEASURED FROM THE TOP OF THE ADJACENT CURB IF CURB EXISTS) WITHIN THE SIGHT VISIBILITY ZONES.

NOTE:

ALL ABOVE GROUND UTILITY PLAN APPURTENANCES SHALL CONFORM TO THE REQUIREMENTS OF TITLE 19.12.040

NOTE:

CALL SOUTHWEST GAS AT (702) 365-2296 FOR STANDBY WHEN EXCAVATING OVER OR NEAR HIGH PRESSURE GAS LINES

APPROVAL:

LAS VEGAS VALLEY WATER DISTRICT
PROJECT # 114407

DATE

CITY OF LAS VEGAS FIRE DEPT

APPROVED

BY: *[Signature]*

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 OF COUNTY LAWS.

APPROVAL BY THE FIRE DEPARTMENT HAVING JURISDICTION IS REQUIRED PRIOR TO OBTAINING FINAL APPROVAL FROM THE LVWD.

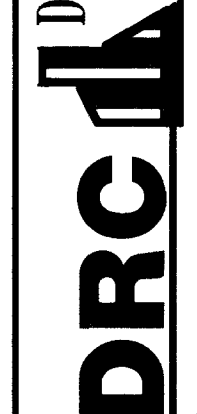
FIRE FLOW 1,500 GPM AT 20 P.S.I. RESIDUAL

LIVING WATER BAPTIST CHURCH

1109 COLDSTREAM DRIVE, LAS VEGAS, NV 89110

PHONE: (702) 873-9451 FAX: (702) 921-8653

Development Resource Consultants, Inc.
Civil Engineering, Land Surveying, Land Planning
9330 WEST MARTIN AVENUE
LAS VEGAS, NV 89148
PHONE (702) 270-5119 FAX (702) 270-4899



LIVING WATER BAPTIST CHURCH

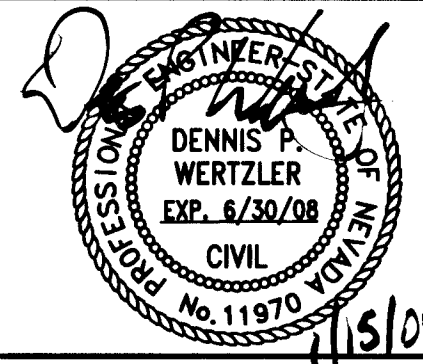
UTILITY PLAN 1

DRAWN BY: BWD

DESIGNED BY: CWC

CHECKED BY: DPW

PROJECT NO: LV06-410



SHEET

UT1

5 OF 9 SHEETS

CLV DRAWING NO.

107V5001

23777