

1. NO WORK SHALL BE DONE ON THE WATER MAINS UNTIL THEY HAVE BEEN RELEASED FROM THE EARTH BY THE LVVWD. PRIOR TO THE LVVWD APPROVAL OF THE PLANS, NOTICE SHALL BE GIVEN TO THE LVVWD, CUSTOMER SERVICE DEPARTMENT (870 4104) 48 HOURS PRIOR TO THE ACTUAL CONSTRUCTION. AND 24 HOURS PRIOR TO AN INSPECTION.

2. CALL BEFORE YOU DIG. 1-800-227-2863

3. ALL WORK SHALL CONFORM TO LVVWD (2011) STANDARD PLATS, DRAWINGS AND SPECIFICATIONS.

4. ALL WORK (EXCEPT AS MODIFIED HEREON OR BY NOTE 5, SHALL BE DONE IN ACCORDANCE WITH THE MOST CURRENT DRAFT OR ADDITION OF THE UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFFICE IMPROVEMENTS, CLARK COUNTY AREA.

5. DISTRICT APPROVED SERVICE SADDLES OR TAPPED COLLARS SHALL BE PERMITTED ON ALL 3/4" AND 1" SERVICE LATERALS. SERVICE SADDLES ONLY SHALL BE PERMITTED ON 1 1/2" AND 2" SERVICE LATERALS. DOUBLE TAPPED COLLARS ARE NOT PERMITTED.

6. COPPER SERVICE LATERALS, ALL 3/4" TO 2" SERVICE LATERALS SHALL BE OF COPPER TUBING IN ACCORDANCE WITH THE DISTRICT'S SPECIFICATIONS AND STANDARD PLATS.

7. THE MAXIMUM ALLOWABLE JOINT DEFLECTION FOR ACP AND DUCTILE IRON PIPE SHALL BE AS FOLLOWS.

PIPE SIZES	ACP	DUCTILE IRON SLIP JOINT	DUCTILE IRON MECHANICAL JOINT
6" INCHES	2.5 DEGREES	2.5 DEGREES	3.5 DEGREES
8" INCHES	2.5 DEGREES	2.5 DEGREES	2.5 DEGREES
14 - 16" INCHES	2 DEGREES	1.5 DEGREES	1.5 DEGREES
18 - 24" INCHES	N/A	1.5 DEGREES	1.5 DEGREES

ON PVC PIPE, THE MAXIMUM OFFSET FOR A 20' LENGTH OF FACTORY BELLED PIPE SHALL BE 18" INCHES FOR 8" PIPE, 12" INCHES FOR 8" PIPE AND 9" INCHES FOR 10" AND 12" PIPE.

8. IF THESE OFFSETS CONFLICT WITH THE PIPE MANUFACTURER'S RECOMMENDATION, THE MORE STRINGENT REQUIREMENTS SHALL APPLY.

9. IF THE SERVICE BOXES SHALL BE LOCATED OUTSIDE OF DRIVEWAY AREAS.

10. ALL VALVES SHALL BE LOCATED OUTSIDE OF DRIVEWAYS AND VALLEY CUTTERS.

11. DETECTOR TAPE SHALL BE REQUIRED IN ACCORDANCE WITH STANDARD PLATE NO. 27 WHEN INDICATED, AND AS FOLLOWS:

- a) OVER ALL MAINS NOT INSTALLED 6 FEET FROM BACK OF CURB.
- b) OVER ALL SERVICE LATERALS NOT INSTALLED AT RIGHT ANGLES TO MAIN.

12. WATER MAINS SHALL BE PRESSURE TESTED AT 200 PSI FOR A CONTINUOUS TWO HOUR PERIOD IN ACCORDANCE WITH DISTRICT STANDARDS.

13. WATER MAINS SHALL BE DISINFECTED, FLUSHED, AND AN ACCEPTABLE HEALTH SAMPLE OBTAINED, PRIOR TO THE CONNECTION OF THE WATER MAINS(S) AND/OR LATERAL(S) TO THE DISTRICTS' SYSTEM.

14. CONTRACTOR TO OBTAIN ALL METERS 2" AND SMALLER FROM LVVWD CENTRAL STORES. TELEPHONE 258-3152 FORTY-EIGHT (48) HOURS PRIOR TO PICKUP.

STREET LIGHTS AND TRAFFIC UNIT 1	UNIT 1
100 WATT HPS LUMINAIRE #/11 GA. POLE	18 EA
1-1/4" PVC CONDUIT	3580 LF
NO 3-1/2 PULLBOX	7 EA
6" D-3 STREET NAME SIGN	11 EA
30" STOP SIGN	1 EA
OM3R (OBJECT MARKER)	3 EA
BARRICADE (TYPE II)	3 EA

[illegible]

The diagram illustrates the typical location of a fire hydrant relative to a sidewalk and curb. The top section shows a plan view of a sidewalk (12' wide) and a curb & gutter (6" high). A fire hydrant is located within the sidewalk, with a 3' distance from the curb and a 6" distance from the centerline. The bottom section shows a side view of the sidewalk (6" high) and the fire hydrant. The legend defines the symbols used in the diagram:

- W — WATER LINE
- S — SEWER LINE
- GATE VALVE
- SEWER MANHOLE
- P.V.C.
- 14" PULL BOX
- FIRE HYDRANT
- 6" GATE VALVE
- SEWER LATERAL (4")
- 100W H.P.S. STREET LIGHT
- 250W H.P.S. STREET LIGHT
- EXISTING STREET LIGHT
- FUTURE STREET LIGHT
- 6" STREET NAME SIGN
- 30" STOP SIGN (STD DWG 246)

THIS APPROVAL IS FOR THE PLACEMENT AND CLEARANCE
OF STREET LIGHT AND SIGNAL LIGHT INSTALLATIONS ONLY

Don Jackson 11/2/93
NEVADA POWER COMPANY DATE

[Signature] 11/15/93
LAS VEGAS VALLEY WATER DISTRICT DATE

Joe Hernandez 11/10/93
CITY OF LAS VEGAS DATE
FIRE MARSHALL

FOR ANGEL PARK RANCH - UNIT NO. 1		UNIT 1
STD. F.H. W/8" G.V. & 8" LATERAL		6 EA.
8" MANH		1700 L.F.
8" MANH		1830 L.F.
8" GATE VALVE		4 EA.
8" GATE VALVE		4 EA.
3/4" WATER SERVOISE		57 EA.
3/4" WATER METER (FROM LVVWD)		57 EA.
METER BOX		57 EA.
2" BLOW-OFF W/CAP		3 EA.

NOTES:

1. WATER LATERALS, SEWER LATERALS, AND DRIVEWAY LOCATIONS AND WIDTHS ARE SHOWN SCHEMATIC ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL WALL WATER AND SEWER LATERALS SO THEY'RE NOT IN CONFLICT WITH DRIVEWAYS.

1	0" MAIN
2	0" MAIN
3	0" GATE VALVE
4	0" GATE VALVE
5	12" HD" REDUCER
6	0" - 90° BEND
7	0" - 90° BEND
8	2" - BLOW-OFF ASSEMBLY W/CAP
9	STD. FINE HYDRANT ASSEMBLY
10	0" HD" VALVE
11	0" HD" VALVE
12	0" HD" VALVE

[illegible]

NORTH
SCALE 1" = 50'

FIRE FLOW REQUIREMENT IS 1,500 GALLONS PER MINUTE AT 20 POUNDS PER SQUARE INCH RESIDUAL	
BASED ON	
SQUARE FOOTAGE	2700
LARGEST AREA BETWEEN AREA SEPARATION WALLS	N/A
HEIGHT	TWO STORY
TYPE OF CONSTRUCTION	TYPE 5
EXPOSURES	10'
SPRINKLER SYSTEM	NONE
OCCUPANCY	SINGLE-FAMILY
ROOF CONSTRUCTION	TILE

Avoid cutting underground utility lines. It's costly.

**Call
before you
Dig.**

1-800-227-2600

UNIVERSITY MICROFILMS
SERIALS ACQUISITION

(AS BUILT) 11-5-46/307Y-4289-1

PULTE HOMES
ANGEL PARK RANCH UN
UTILITY PLAN

PULTE HOMES
ANGEL PARK RANCH UNIT NO. 1
UTILITY PLAN

PENTACORE
Engineering, Inc.
6783 West Charleston Boulevard
Las Vegas, Nevada 89102
(702) 255-0115

Professional Engineer Seal of the State of New York, No. 10845, signed by R. E. Crank. The seal includes the text "RECOMMENDED BY THE BOARD OF PROFESSIONAL ENGINEERS" and "CRANK R. E. 1984".

NO.	DESCRIPTION	DATE	AMOUNT
✓	CHANDLER STREET MARKET	12-20-04	
✓	PAID TO ST. MARY'S	12-20-04	

C:\DRAWINGS\ANGEL\1\APR. 83 FIVE NOV 2 15 10 24 1983 PLOTTED BY LLOYD

