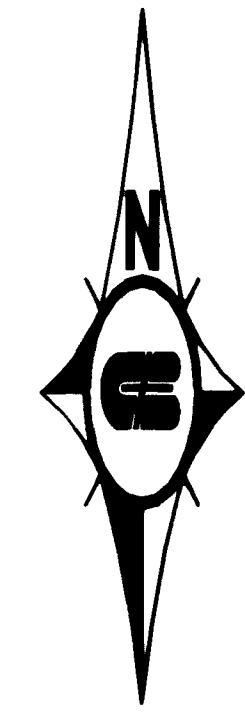
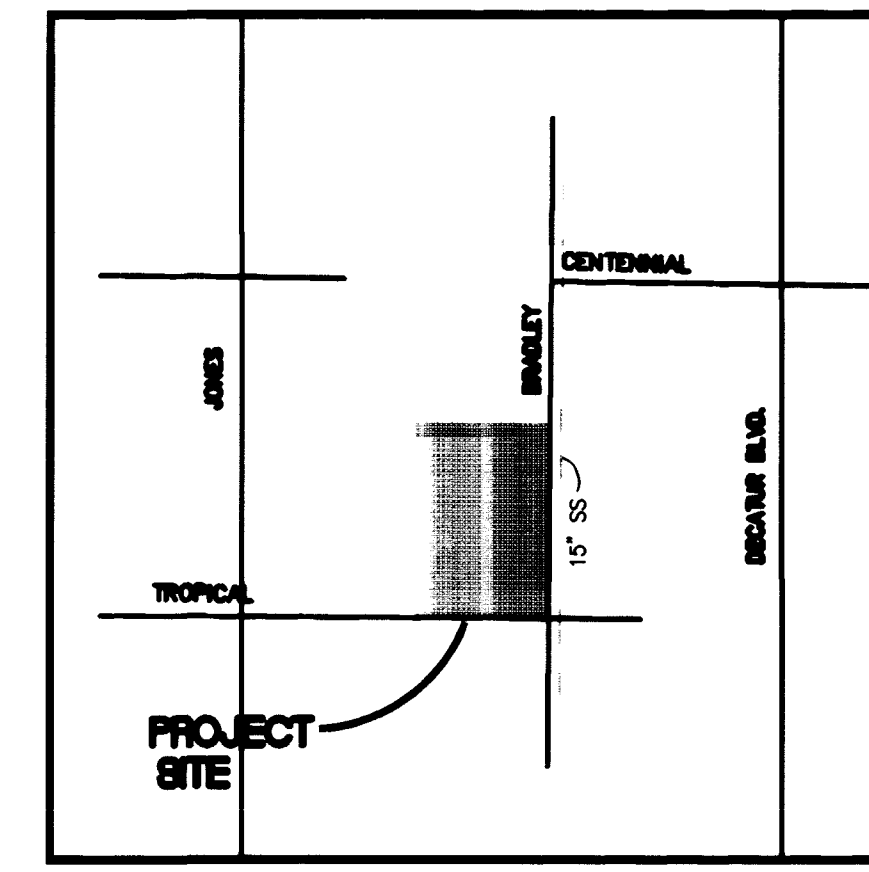


Call before you Dig.
1-800-227-2600
UNDERGROUND SERVICE ALERT (USA)

SAFETY ALERT
Call before you Overhead
593-6111
OVERHEAD SERVICE ALERT (OSA)



TROPICAL / JONES UNIT 1
CLV # 107/108/2
APN 125-24-202-000

PROJECT NAME: EAGLE CREEK ESTATES
NORTH UNIT 2, P. 2-C-5
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.

David J. Bunker 5-19-11
WWD DATE

FIRE FLOW DATA

FIRE FLOW REQUIREMENT IS 1500 GALLONS PER MINUTE AT 20 POUNDS PER SQUARE INCH RESIDUAL.
BASED ON SQUARE FOOTAGE AREA 1775
LARGEST AREA BETWEEN AREA SEPARATION N/A
HEIGHT ONE STORY
TYPE OF CONSTRUCTION SN
EXPOSURES 10' MIN.
SPRINKLER SYSTEM NONE
OCCUPANCY SINGLE FAMILY
ROOF CONSTRUCTION TILE

STREET LIGHT NOTE

ALL HAND HOLE COVERS MUST BE INSTALLED, POLE CAPS POURED, AND PULL BOX LIDS BOLTED DOWN PRIOR TO ENERGIZING CIRCUIT. ALL WIRE MUST HAVE THW INSULATION.

SEWAGE CONTRIBUTION

50 RESIDENTIAL UNITS X 250 G.P.D. = 12,500 G.P.D. PEAKING FACTOR = 3.1 (FROM TABLE C PG. T-3) PEAK FLOW: 18,250 X 3.1 = 38,750 G.P.D.

FIRE HYDRANT INSTALLATION

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

ESTIMATED QUANTITIES

WATER (PUBLIC)		SEWER (PUBLIC)	
1" 6" WATERLINE	1,370 LF	8" SEWER LINE	1,260 LF
1" 8" F.H. ASSEMBLY (INCLUDES 10"x6" TEE AND 6" GATE VALVE)	2 EA.	4" SEWER LATERAL	46 EA.
2" 8"x8" TEE WITH THRUST BLOCK	2 EA.	SEWER MANHOLE	5 EA.
2" 8" 45° BEND WITH THRUST BLOCK	2 EA.	STREET LIGHT (PUBLIC)	
4" 8" 90° BEND WITH THRUST BLOCK	2 EA.	10" NO PARKING SIGN (R7-1)	8 EA.
1" WATER SERVICE W/ 3/4" METER	50 EA.	150W STREETLIGHT	4 EA.
1" METER	1 EA.	100 WATT STREETLIGHT	4 EA.
1" RPPA	1 EA.	1" 1/4" CONDUIT WITH 2 #4 AND 1 #8 CONDUCTOR	1,153 LF
1" GATE VALVE	1 EA.	13" 200W STREETLIGHT	4 EA.
STREET LIGHT (PRIVATE)	3 EA.	3" PVC CONDUIT (WITH PULLSTRINGS) FOR FUTURE TRAFFIC SIGNAL INTERCONNECT	592 LF
100 WATT STREETLIGHT	10 EA.	#3 1/2" PULLBOX	10 EA.
#3 1/2" CONDUIT WITH 2 #4 AND 1 #8 CONDUCTOR	2 EA.	1" 1/4" CONDUIT	75 LF
18" STORM DRAIN DROP INLET 6" TYPE "C"	1 EA.	SERVICE POINT / R.O.C.	1 EA.
12" INSTALL STREET NAME SIGNS PER STD. DWG. NO. 249 AND 250			

EASEMENT NOTE

ALL STREETS HERE ARE DESIGNATED AS PRIVATE STREETS, PUBLIC UTILITY EASEMENTS, PUBLIC SEWER EASEMENTS, PUBLIC DRAINAGE EASEMENTS TO BE PRIVATELY MAINTAINED UNLESS OTHERWISE NOTED. SEE FINAL MAP OF EAGLE CREEK ESTATES NORTH UNIT 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 LVWMD.

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

BASIS OF BEARING

NORTH 88°46'05" EAST BEING THE CENTERLINE OF AZURE DRIVE AS SHOWN ON RECORDS OF SURVEY FILE 52 PAGE 70 AND FILE 90 PAGE 44 IN THE OFFICE OF THE COUNTY RECORDER, CLARK COUNTY, NEVADA.

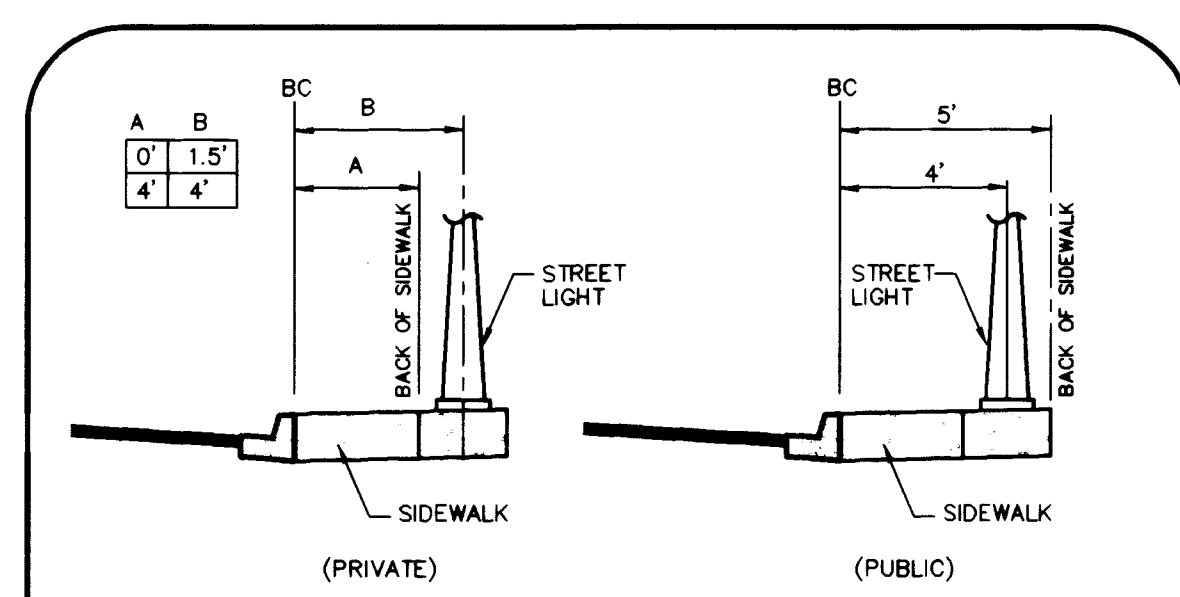
BENCHMARK

CITY OF LAS VEGAS BENCHMARK #23 1LV9025N4 BEING AN ALCAP ON REBAR AT THE CENTERLINE INTERSECTION OF CENTENNIAL PKWY. AND BRADLEY ROAD.
NAVD88 ELEVATION: 2302.77' = 701.8865 METERS

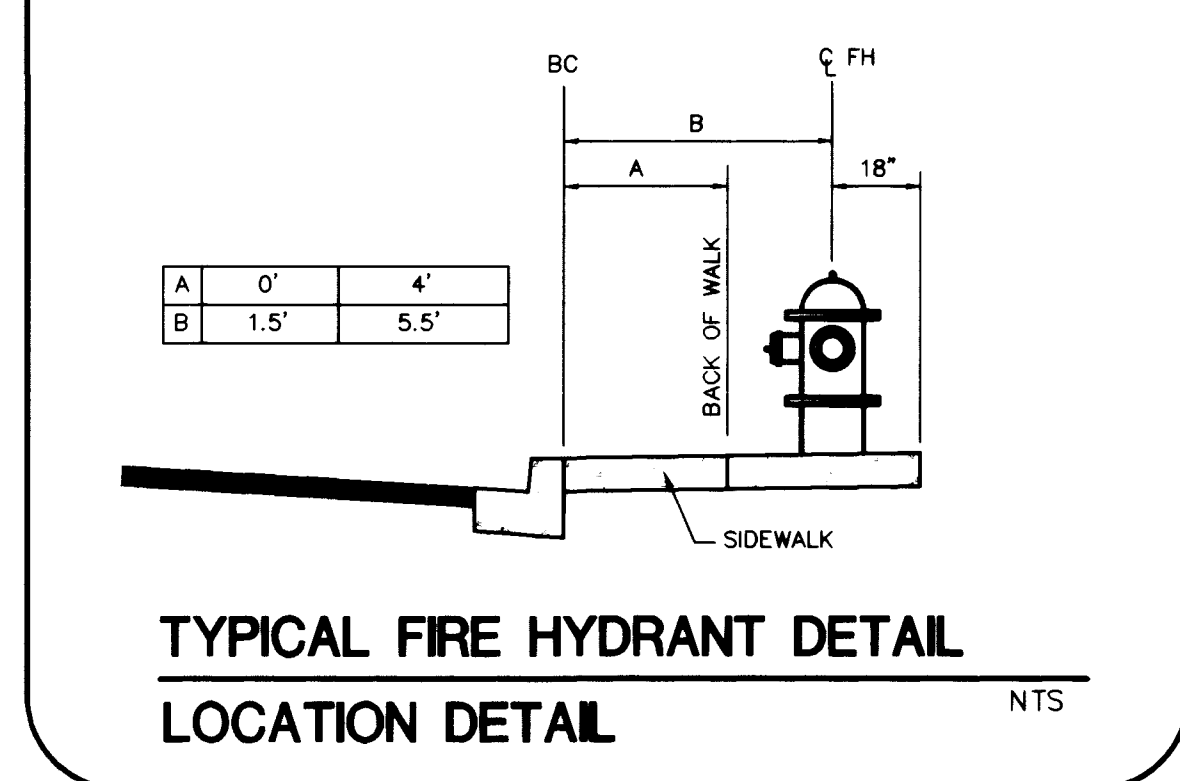
APPROVALS

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 OR COUNTY LAWS. G.P.M.

CLV *[Signature]* FIRE DEPARTMENT 5/19/99
LAS VEGAS VALLEY WATER DISTRICT *[Signature]* 6/10/99



TYPICAL STREET LIGHT LOCATION DETAIL

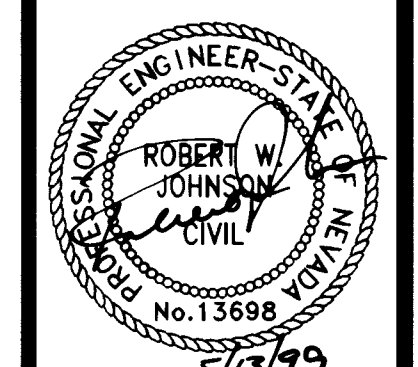


LOT NUMBER	DRIVEWAY CENTERLINE STATION	SEWER LATERAL STATION	WATER LATERAL STATION
21	16+61.35	16+76.35	16+81.35
22	17+21.35	17+06.35	17+01.35
23	17+51.35	17+66.35	17+71.35
24	18+11.35	17+96.40	17+83.40
25	18+41.35	18+56.35	18+61.35
26	19+01.35	18+86.35	18+81.35
27	19+46.35	19+51.35	19+51.35
28	"K" 0+08.13	"K" 0+19.52	"K" 0+26.48
29	"K" 0+54.04	"K" 0+62.15	"K" 0+61.99
30	"K" 0+63.34	"K" 0+71.73	"K" 0+74.90
31	"K" 1+14.59	"K" 1+23.64	"K" 1+02.58
32	"K" 1+44.07	"K" 1+54.31	"K" 1+29.52
33	12+58.48	12+63.88	12+74.01
34	12+58.48	12+63.88	12+74.01
35	11+83.48	11+68.48	11+63.48
36	11+23.48	11+38.48	11+43.48
37	10+43.48	10+48.48	10+53.48
38	10+34.33	10+48.48	10+53.48
39	"K" 1+46.36	"K" 1+35.83	"K" 1+30.83
40	"K" 0+90.42	"K" 0+78.90	"K" 1+01.53
41	"K" 0+60.83	"K" 0+70.43	"K" 0+64.63
42	"K" 0+15.13	"K" 0+29.86	"K" 0+35.12
43	19+26.12	19+41.12	19+46.12
44	18+66.12	18+91.12	18+76.12
45	18+36.12	18+51.12	18+56.12
46	18+06.12	17+91.12	17+95.12
47	17+46.12	17+51.12	17+57.12
48	17+16.12	17+01.12	16+96.12
49	16+56.12	16+74.07	16+77.07
50	10+45.77	10+28.43	10+34.50
51	10+25.77	10+21.86	10+26.96
100	11+37.66	11+21.96	11+16.96
101	11+67.66	11+84.34	11+89.34
102	12+29.55	12+14.54	12+09.54
103	12+59.55	12+76.72	12+81.72
104	13+05.49	13+24.72	13+19.72
105	13+25.49	13+44.72	13+49.72
106	13+25.49	13+00.22	13+05.22
107	12+47.93	12+27.60	12+22.60
108	11+55.79	11+34.97	11+29.97
109	11+55.79	11+34.97	11+29.97
110	10+93.66	11+19.97	11+14.97
111	10+63.66	10+50.66	10+45.66
112	10+33.66	10+20.66	10+15.66
113	10+33.51	10+54.81	10+49.81
114	10+96.12	10+79.81	10+74.81
115	11+26.12	11+42.43	11+47.43
116	11+88.74	11+72.43	11+67.43
117	12+18.74	12+40.05	12+35.05
118	12+65.05	12+85.36	12+78.05

Pulte Homes
An American Favorite

UTILITY PLAN
PULTE HOMES
EAGLE CREEK ESTATES NORTH
UNIT 2

DRAWN BY: *[Signature]*
DESIGNED BY: *[Signature]*
CHECKED BY: *[Signature]*
PROJECT NO: 98052010
SCALE: 1"=40' HORIZ
VERT



SHEET
8 OF 12 SHEETS
DRAWING NO.
307 Y-4571-2

