

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
1-702-593-6111
NEVADA POWER DIVISION AND SAFETY SERVICES DIVISION

Call before you Dig
1-800-227-2600

HEALTH DISTRICT NOTE

INSTALL SEWER/WATER LATERALS PER UDACS 2.18.03

PRIVATE STREET NOTE:

PRIVATE STREETS ARE P.U.E.'S, CLV PUBLIC SEWER EASEMENTS, AND PUBLIC DRAINAGE EASEMENT TO BE PRIVATELY MAINTAINED BY H.O.A.

ENGINEERS NOTES (UTIL.)

1. CONTRACTOR TO VERIFY LOCATION, DEPTH & SIZE OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION. REPORT ANY DISCREPANCIES TO ENGINEER IMMEDIATELY.
2. SURVEYOR TO VERIFY ALL INVERTS & SLOPES DURING STAKING.
3. ALL ABOVE GROUND UTILITIES SUCH AS FIRE HYDRANT, STREETLIGHTS, METERS, ETC. TO BE STAKED AND CONSTRUCTED PER CLV STANDARDS.
4. ALL SEWER AND WATER CROSSINGS SHALL BE CONSTRUCTED IN ACCORDANCE TO UDACS MINIMUM CLEARANCES.
5. SEE LANDSCAPE PLANS FOR ONSITE IRRIGATION. INSTALL ALL SLEEVES UNDER STREETS PRIOR TO STREET CONSTRUCTION.
6. IMMEDIATELY NOTIFY ENGINEER OF ANY DISCREPANCIES OR DEVIATIONS FROM STANDARDS PRIOR TO CONSTRUCTION.

WATER NOTE

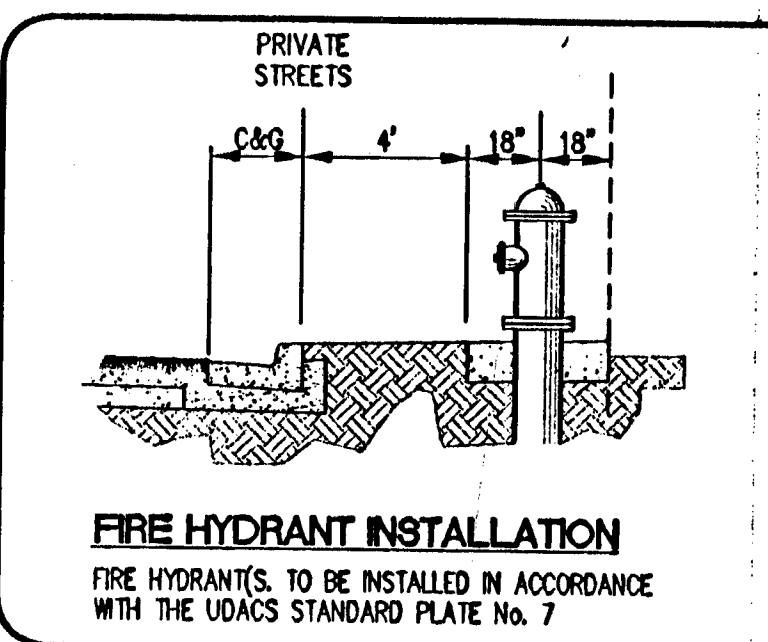
INSTALL PIPELINE MARKER BALLS IN TRENCH ABOVE EACH HORIZONTAL ELBOW FITTING, PER MANUFACTURER INSTRUCTIONS.

SEWER NOTES:

1. SEE SHEET 8 FOR MANHOLE TABLE
2. SEWER LATERALS FOR LOTS 34, 35, 68, 88 & 89 WILL BE INSTALLED PER UDACS CRITERIA SHOWN IN PARAGRAPH 2.18.02.B1, B2, AND 3/a.

BACKWATER VALVES (BWV)

THE FOLLOWING LOTS REQUIRE SEWER BACKWATER VALVES:
LOTS 2, 3, 7-8, 32-33, 35-41, 44, 51, 52, 54, 59, 62, 65-67, 70, 73-78, 78-79, 85-86, 89-90.



SEWER NOTES:

1. SEWER LATERALS FOR LOTS 37 AND 38 WILL BE INSTALLED PER UDACS CRITERIA SHOWN IN PARAGRAPH 2.18.02.B1, B2, AND 3/a.

SEWER CONSTRUCTION NOTES

1. INSTALL 48" MANHOLE PER OCSO STD DWG No. 50-1
2. INSTALL 4" SEWER LATERAL PER OCSO STD DWG No. 50-12

WATER CONSTRUCTION NOTES

1. INSTALL FIRE HYDRANT ASSEMBLY, PER UDACS PLATE No. 7 (INCLUDES GATE VALVE)
2. INSTALL 8" CAP AND 2" BLOWOFF ASSEMBLY, PER UDACS PLATE No. 4
3. INSTALL 1" WATER METER, PER UDACS PLATE No. 1-0 (LOTS 51 & 52)
4. INSTALL 8" X 8" TEE PER UDACS PLATE No. 5
5. INSTALL 8" GATE VALVE PER UDACS PLATE No. 3
6. INSTALL 8" TEE, PER UDACS PLATE No. 5
7. INSTALL 8" 11-1/4" BEND PER UDACS PLATE No. 5
8. INSTALL 8" 90° BEND - Specified Fittings w/ Restrained Joints
9. INSTALL 8" 45° BEND PER UDACS PLATE No. 5
10. INSTALL 3/4" WATER METER, PER UDACS PLATE No. 1-8
11. INSTALL 8" TEE PER UDACS PLATE No. 5
12. INSTALL (2)-4" & (1)-8" SCHEDULE 40 PVC IRRIGATION & POWER CONDUIT
13. REMOVE CAP AND BLOW OFF PER UDACS PLATE No. 4A, NOTE No. 1 AND CONNECT TO EXISTING 8" MAIN
14. INSTALL 12" 90° BEND PER UDACS PLATE No. 5
15. INSTALL 8" 22.5° BEND PER UDACS PLATE No. 5
16. INSTALL 8" 9° BEND PER UDACS PLATE No. 5
17. REMOVE CAP AND BLOW OFF PER UDACS PLATE No. 4A, NOTE No. 1 AND CONNECT TO EXISTING 12" MAIN
18. INSTALL 12" X 8" REDUCER UDACS PLATE No. 3
19. INSTALL 8" X 8" REDUCER UDACS PLATE No. 3

LEGAL DESCRIPTION

BEING A SUBDIVISION OF A PORTION OF PARCEL 1 AS SHOWN BY MAP THEREOF ON FILE IN FILE 91, PAGE 28 OF PARCEL MAPS IN THE COUNTY RECORDER'S OFFICE, CLARK COUNTY, NEVADA, LYING WITHIN SECTION 34, TOWNSHIP 20 SOUTH, RANGE 59 EAST, AND THE NORTH HALF (N 1/2) OF THE NORTH HALF (N 1/2) OF SECTION 34, TOWNSHIP 21 SOUTH, RANGE 59 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY, NEVADA.

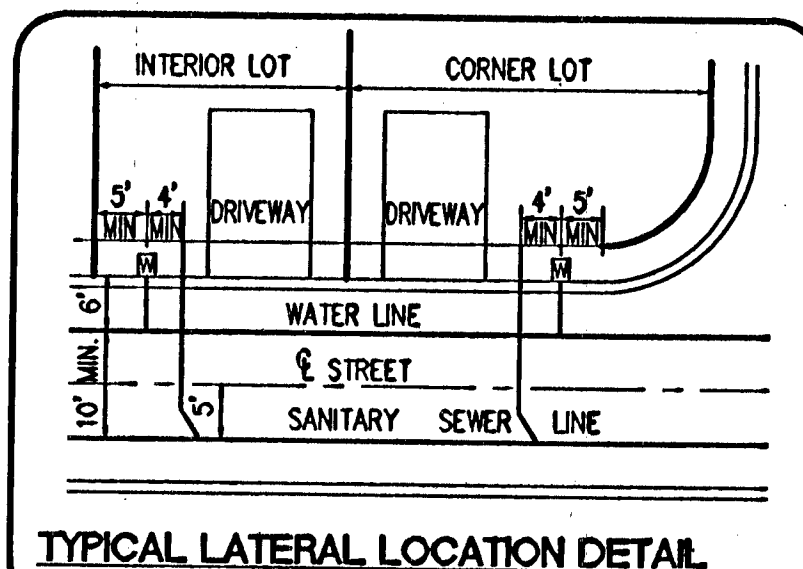
BASIS OF BEARING

NORTH 05° 50' 55" WEST BEING THE BEARING OF THE WEST LINE OF SECTION 34, T 20 S, R 59 E, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY, NEVADA, AS SHOWN BY MAP THEREOF ON FILE IN FILE 91, PAGE 28 OF PARCEL MAPS IN THE CLARK COUNTY RECORDERS OFFICE, CLARK COUNTY, NEVADA.

BENCHMARK

CITY OF LAS VEGAS BENCHMARK 01009 3610000 RIVER & PLATE IN TOP OF CURB RETURN 9' W/ CORNER OF 7400' CENTER & ALTA, 3024.26 FEET OR 921.797 METERS NAVD 1989 DATUM.

NOTE:
ELEVATIONS SHOWN ON PLANS ARE 0.30' LESS THAN ELEVATION OF CITY OF LAS VEGAS BENCHMARK SHOWN ABOVE.



PRV NOTE (PRV) LOTS

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 LIVING FACILITIES.

THE DISTRICT WILL NOT GUARANTEE A WATER-TIGHT SHUTDOWN WHERE CONNECTIONS OR REPAIRS TO EXISTING FACILITIES ARE REQUIRED. THE CONTRACTOR SHALL ENSURE ALL LABOR AND EQUIPMENT IS AVAILABLE AT ALL TIMES TO REMOVE FUGITIVE WATER WHICH IMPEDES THE CONTRACTOR'S PERFORMANCE. CONTRACTOR TO INSTALL TEMPORARY SERVICE TO ENSURE PROPER SHUTDOWN IN THE EVENT NO OTHER APPOINTMENTS ARE AVAILABLE.

REDUCED PRESSURE PRINCIPLE ASSEMBLY (2) 1"

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.

FIRE FLOW CALCULATIONS

FIRE FLOW REQUIREMENT IS 1500 GALLONS PER MINUTE AT 20 PSI RESIDUAL PRESSURE.

BASED ON:

SQUARE FOOTAGE:	3,600 SQUARE FEET
LARGEST AREA BETWEEN 4-HOUR:	N/A SQUARE FEET
AREA SEPARATION WALLS:	20' FEET
BUILDING HEIGHT:	2 FLOORS
TYPE OF CONSTRUCTION:	TYPE V-NR
OCCUPANCY:	RESIDENTIAL
FULL AUTOMATIC FIRE SPRINKLER SYSTEM:	YES (X) NO

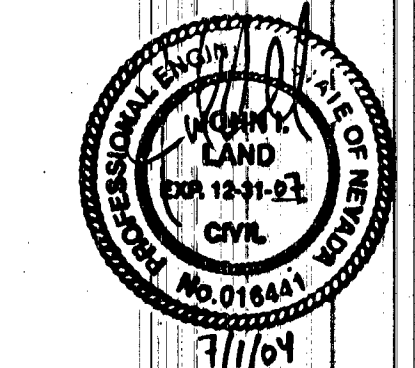
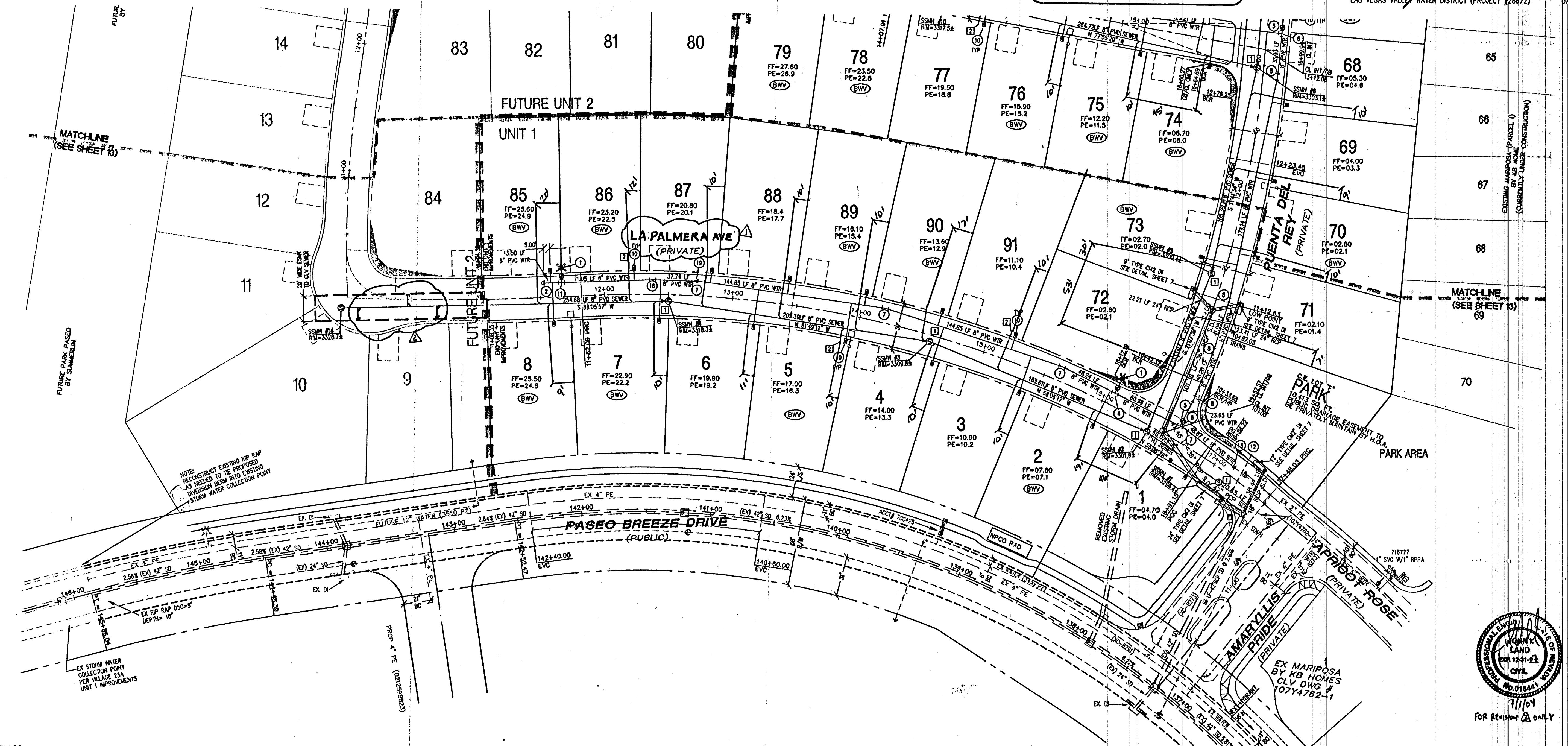
REVIEWED BY: *[Signature]* DATE: 2/2/04
LAS VEGAS FIRE DEPT

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. 1500 GPM @ 20 PSI.

CLV FIRE DEPARTMENT
DATE: 2/2/04

LAS VEGAS VALLEY WATER DISTRICT (PROJECT #28872)
DATE: 3/2/04



FOR REVIEW ONLY

UTILITY PLAN
SHEET 3 OF 3

BARCELONA - UNIT 1
THE PASEOS (V23A)

THE HOWARD HUGHES CORPORATION
10000 West Charleston Boulevard, Suite 200
Las Vegas, Nevada 89135-1004

Carter-Burgess
Consultants in Planning, Engineering,
Construction Management, and Related Services

6655 Bermuda Road
Las Vegas, NV 89119
(702) 888-5400 Fax (702) 888-5454

DESIGNED BY: SC
CHECKED BY: DW
PROJECT NO: 240517
SCALE: 1"=40' HORIZ.
VERT. N/A

SHEET
14
OF 18 SHEETS
CLV DRAWING NO.
10744805

6546786m 6826986m 70906
124749