HEALTH DISTRICT NOTE

INSTALL SEWER/WATER LATERALS PER UDACS

PRIVATE STREET NOTE:

PRIVATE STREETS ARE P.U.E.'S W/ PUBLIC WATER EASEMENT; PUBLIC EASEMENTS ARE PRIVATELY OWNED

SEWER CONTRIBUTION

57 LOTS

AVERAGE DAILY FLOW (57 x 250) / 1M = 0.0143 MGD

PEAK DAILY FLOW = 3.5 x 0.0143 = 0.0500 MGD

DISCLAIMER NOTE:

UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTORS 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.

Avoid overhead... use the contact. It's on... Call before you Overhead 1-702-593-6111 NEVADA POWER CO/SIERRA PAC SAFETY SERVICES DEPARTMENT

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

WATER NOTE:

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

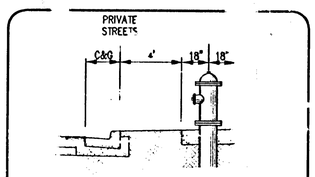
SEWER NOTES:

SEE SHEET 8 FOR MANHOLE TABLE

2. SEWER LATERALS FOR LOTS 34, 35, 88, 88 & 89 WILL BE INSTALL PER UDACS CRITERIA SHOWN IN PARAGRAPH 2.19.0 .H, B2, AND J)a.

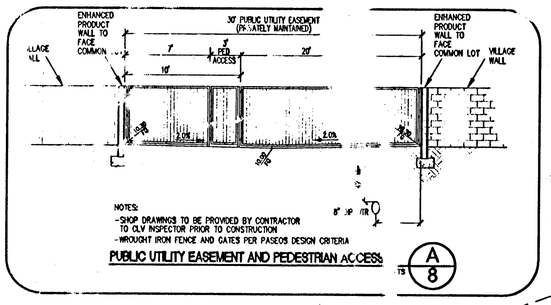
BACKWATER VALVES (BWV)

THE FOLLOWING LOTS REQUIRE SEWER BACKWATER VALVES. LOTS 2, 5, 7-8, 32-33, 35-41, 44, 51, 52, 54, 58, 62, & 70, 73-78, 78-79, 85-88, 89-90.



FIRE HYDRANT INSTALLATION

(HYDRANT(S. TO BE INSTALLED IN ACCORDAN... THE UDACS STANDARD PLATE No. 7



NOTES:
- SHOP DRAWINGS TO BE PROVIDED BY CONTRACTOR TO CLV INSPECTOR PRIOR TO CONSTRUCTION
- WROUGHT IRON FENCE AND GATES PER PASEOS DESIGN CRITERIA

PUBLIC UTILITY EASEMENT AND PEDESTRIAN ACCESS

(A/8)

ENGINEERS NOTES (UTIL.)

1. CONTRACTOR TO VERIFY LOCATION, DEPTH & SIZE OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION. REPORT ANY DISCREPENCIES TO ENGINEER IMEDIATELY
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 DISCREPENCIES OR DEVIATIONS FROM STANDARDS PRIOR TO CONSTRUCTION.

SEWER CONSTRUCTION NOTES

1	INSTALL 48" MANHOLE PER CCSD... WG No. SD-1
2	INSTALL 4" SEWER LATERAL PER ... TD DWG No. SD-12

WATER CONSTRUCTION NOTES

1	INSTALL FIRE HYDRANT ASSEMBLY... UDACS PLATE No. 7 (INCLUDES GATE VALVE)
2	INSTALL 6" CAP AND 2" BLOWOFF... MBLY, PER UDACS PLATE No. 4
3	INSTALL 1" WATER METER, PER UD... (LOTS 51 & 52) ...PLATE No. 1-D
4	INSTALL 8" X 8" TEE PER UDACS P... No. 5
5	INSTALL 8" GATE VALVE PER UDAC... ATE No. 3
6	INSTALL 8" TEE, PER UDACS PLATE... 5
7	INSTALL 8" 11-1/4° BEND PER UDA... PLATE No. 5
8	INSTALL 8" 5° BEND - Specified Fittings w/Restrained joints
9	INSTALL 8" 45° BEND PER UDACS ... No. 5
10	INSTALL 3/4" WATER METER, PER ... S PLATE No. 1-B
11	INSTALL 6" TEE PER UDACS PLATE... 5
12	INSTALL (2)-4" & (1)-6" SCHEDUL... PVC IRRIGATION & POWER CONDUIT
13	REMOVE CAP AND BLOW OFF PER U... S PLATE No. 4A , NOTE No. 1 AND CONNECT TO EXISTING 8" MAIN
14	INSTALL 12" 90° BEND PER UDACS ...E No. 5
15	INSTALL 8" 22.5° BEND PER UDACS ...TE No. 5
16	INSTALL 6" 5° BEND PER UDACS P... No. 5
17	REMOVE CAP AND BLOW OFF PER U... S PLATE No. 4A , NOTE No. 1 AND CONNECT TO EXISTING 12" MAIN
18	INSTALL 12" X 8" REDUCER UDACS ...TE No. 3
19	INSTALL 8" X 6" REDUCER UDACS ...E No. 3
20	INSTALL 6" 90° BEND

LEGAL DESCRIPTION

BEING A SUBDIVISION OF A PORTION OF PARCEL 1 AS SHOWN BY MAP THEREOF ON FILE IN FILE 91, PAGE 18 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 3, TOWNSHIP 21 SOUTH, RANGE 59 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY, NEVADA

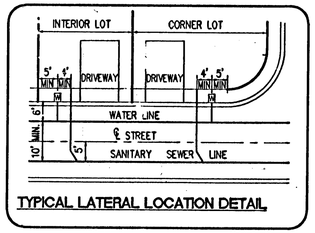
BASIS OF BEARING

NORTH 05° 59' 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 OLVD9 3BNWM9 RIVET & PLATE IN TOP OF CURB RETURN @ NW CORNER OF PAVILION CENTER & ALTA. 3024.28 FEET OR 921.7971 METERS NAVD 1988 DATUM

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



TYPICAL LATERAL LOCATION DETAIL

SEWER NOTES:

* 1. SEWER LATERALS FOR LOTS 37 AND 38 WILL BE INSTALL PER UDACS CRITERIA SHOWN IN PARAGRAPH 2.19.02.B1, B2, AND J)a.

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 LVVWD FACILITIES.

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

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 AREA SEPARATION WALLS:	N/A SQUARE FEET
BUILDING HEIGHT	20 FEET
NUMBER OF STORIES	2 FLOORS
TYPE OF CONSTRUCTION	TYPE V-NR
OCCUPANCY	RESIDENTIAL
FULL AUTOMATIC FIRE SPRINKLER SYSTEM	☐ YES ☒ NO

REVIEWED BY: [signature] DATE: 2/25/04

LAS VEGAS FIRE DEPT

AS BUILT

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. 150C PSI @ 20 PSI

[signature] 2/25/04
CLV FIRE DEPARTMENT DATE

[signature] 3/3/04
LAS VEGAS VALLEY WATER DISTRICT (PROJECT #28672) DATE

The Howard Hughes Corporation
10000 West Charleston Boulevard, Suite 200
Las Vegas, Nevada 89135-1004

Carter Burgess
6655 Bermuda Road
Las Vegas, NV 89119
(702) 938-6400 Fax (702) 938-6464
Consultants in Planning, Engineering, Construction Management, and Related Services

REV	DATE	APPD BY	REVISION
		ADD SWR LATS.	
			AS BUILT

UTILITY PLAN
SHEET 1 OF 3

BARCELONA - UNIT 1
THE PASEOS (V23A)

DRAWN BY: SC
DESIGNED BY: EB
CHECKED BY: DW
PROJECT NO: 240857
SCALE: 1"=40' HORZ. N/A VERT.

DENNIS P. WEITZLER — NEVADA — CIVIL — No. 016441 — EXP. 12-31-07 — PROFESSIONAL ENGINEER — STATE OF NEVADA
DENNIS P. WEITZLER — NEVADA — LAND — EXP. 12-31-07 — No. 016441 — PROFESSIONAL ENGINEER — STATE OF NEVADA
DATE 8/26/04

SHEET 12
12 OF 18 SHEETS

CLV DRAWING NO. 1074805

7/11/04 FOR REVISION A ONLY

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