

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.

Avoid overhead power line contact. It's costly.

Call before you Overhead 1-702-593-6111

Avoid cutting underground utility lines. It's costly.

Call before you Dig 1-800-227-2800

HEALTH DISTRICT NOTE

INSTALL SEWER/WATER LATERALS PER UDACS 2.19.03

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.)

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

WATER NOTE:

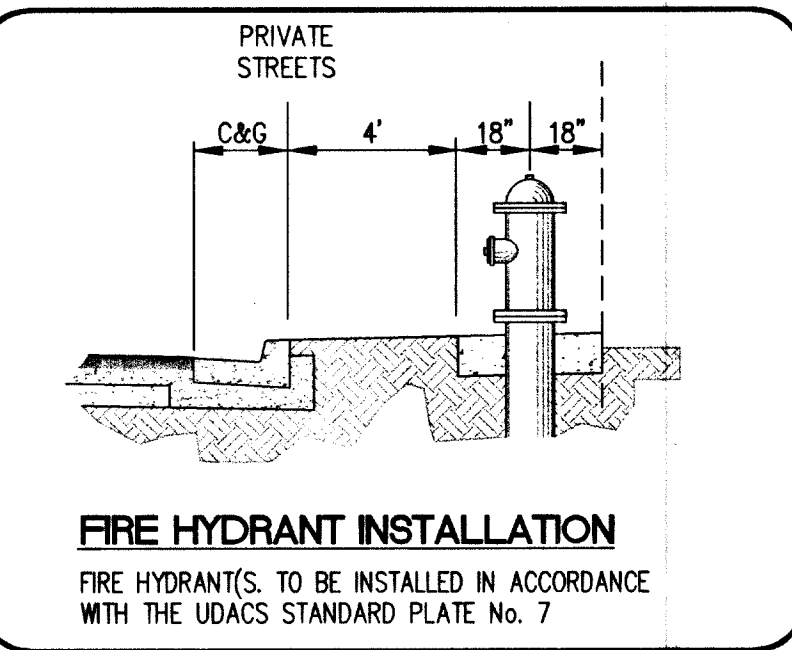
INSTALL PIPELINE MARKER BALLS IN TRENCH ABOVE EACH HORIZONTAL ELBOW FITTING, PER MANUFACTURER INSTRUCTIONS.

SEWER NOTES:

- SEE SHEET 8 FOR MANHOLE TABLE
- SEWER LATERALS FOR LOTS 34, 35, 68, 88 & 89 WILL BE INSTALLED PER UDACS CRITERIA SHOWN IN PARAGRAPH 2.19.02.B1, B2, AND 3).

BACKWATER VALVES (BWV)

THE FOLLOWING LOTS REQUIRE SEWER BACKWATER VALVES.
LOTS 2, 5, 7-8, 32-33, 35-41, 44, 51, 52, 54, 59, 62, 65-67, 70, 73-76, 78-79, 85-86, 89-90.



SEWER NOTES:

- SEWER LATERALS FOR LOTS 37 AND 38 WILL BE INSTALLED PER UDACS CRITERIA SHOWN IN PARAGRAPH 2.19.02.B1, B2, AND 3).

SEWER CONSTRUCTION NOTES

- INSTALL 48\"/>
- INSTALL 4\"/>

WATER CONSTRUCTION NOTES

- INSTALL FIRE HYDRANT ASSEMBLY, PER UDACS PLATE No. 7 (INCLUDES GATE VALVE)
- INSTALL 6\"/>
- INSTALL 1\"/>
- INSTALL 8\"/>
- INSTALL 8\"/>
- INSTALL 8\"/>
- INSTALL 8\"/>
- INSTALL 8\"/>
- INSTALL 8\"/>
- INSTALL 3/4\"/>
- INSTALL 6\"/>
- INSTALL (2)-4\" & (1)-6\" SCHEDULE 40 PVC IRRIGATION & POWER CONDUIT
- REMOVE CAP AND BLOW OFF PER UDACS PLATE No. 4A, NOTE No. 1 AND CONNECT TO EXISTING 8\" MAIN.
- INSTALL 12\"/>
- INSTALL 8\"/>
- INSTALL 8\"/>
- INSTALL 6\"/>
- REMOVE CAP AND BLOW OFF PER UDACS PLATE No. 4A, NOTE No. 1 AND CONNECT TO EXISTING 12\" MAIN.
- INSTALL 12\"/>
- INSTALL 8\"/>

LEGAL DESCRIPTION

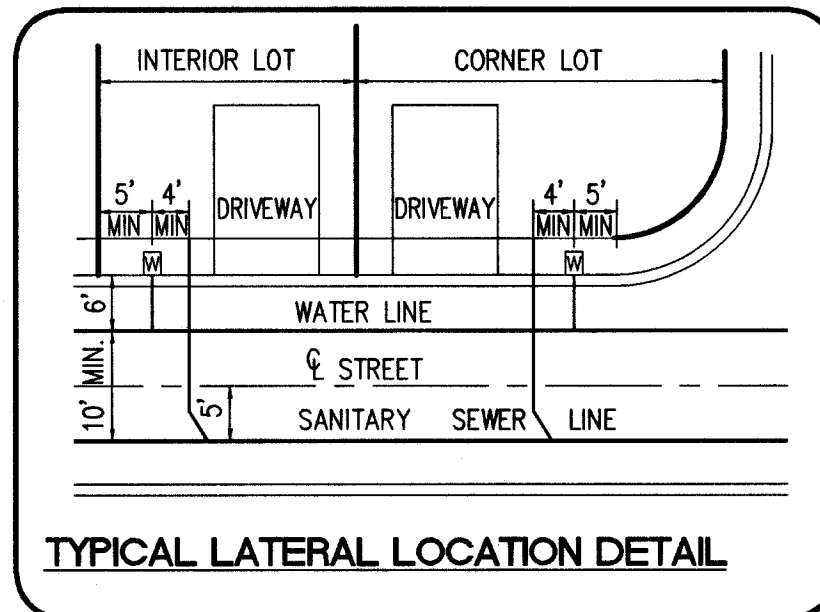
BING A SUBDIVISION OF A PORTION OF PARCEL 1 AS SHOWN BY MAP THEREOF ON FILE IN FILE 91, PAGE 28 OF PARCEL MAPS IN THE COUNTY RECORDER'S OFFICE, CLARK COUNTY, NEVADA, LYING WITHIN SECTION 34, TOWNSHIP 20 SOUTH, RANGE 59 EAST, AND THE NORTH HALF (N 1/2) OF THE NORTH HALF (N 1/2) OF SECTION 3, TOWNSHIP 21 SOUTH, RANGE 59 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY, NEVADA.

BASIS OF BEARING

NORTH 05° 59' 55\"/>

BENCHMARK

CITY OF LAS VEGAS BENCHMARK (LV09 36NMM RIVET & PLATE IN TOP OF CURB RETURN @ NW CORNER OF PAVILION CENTER & ALTA, 3024.26 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.



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 LVMD 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 AFFURTANANCES 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 LVMD.

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.

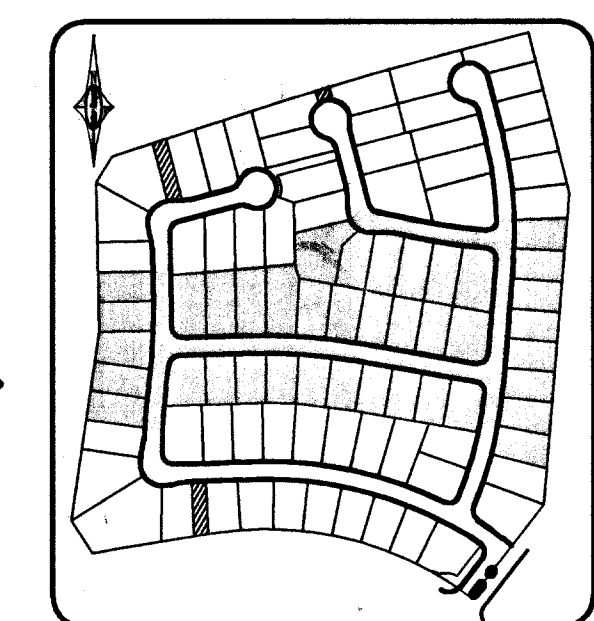
BASED ON:

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
REVIEWED BY:	DATE: 2/25/04
LAS VEGAS FIRE DEPT	

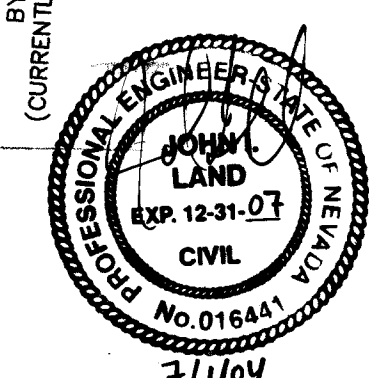
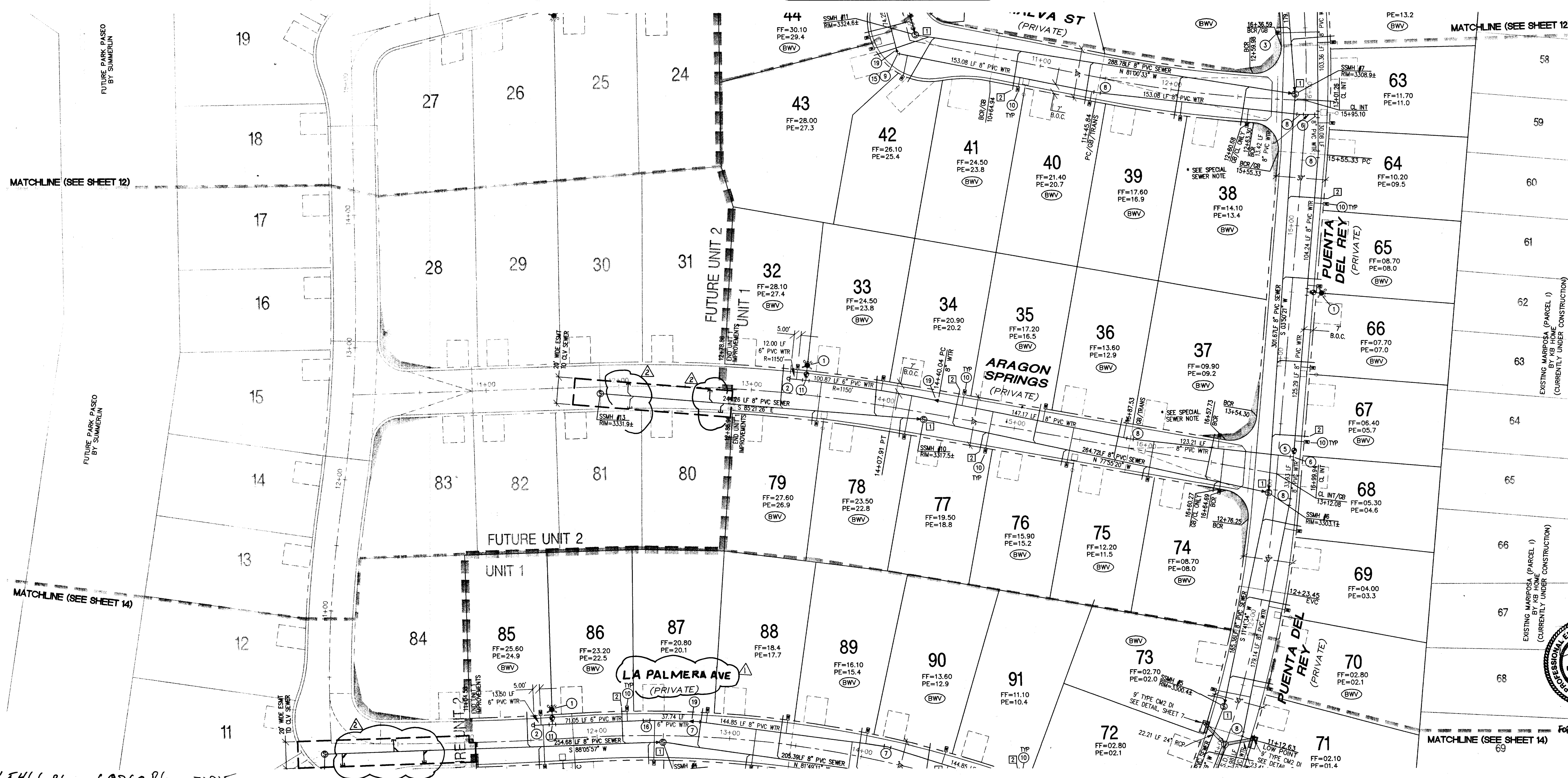
APPROVALS

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: 2/25/04
LAS VEGAS VALLEY WATER DISTRICT (PROJECT #28672)	DATE: 3/2/04



1 inch = 40 feet



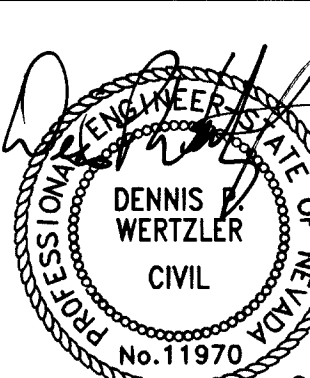
FOR REVISION ONLY

The Howard Hughes Corporation

UTILITY PLAN
SHEET 2 OF 3

BARCELONA - UNIT 1
THE PASEOS (V23A)

DRAWN BY: SC
DESIGNED BY: EB
CHECKED BY: DW
PROJECT NO: 240857



13 OF 16 SHEETS
CLV DRAWING NO. 10744805

ADD SWIR LOTS 45 7/6/4
CHANGE ST NAME TO MATCH FINAL MAP
REV DATE 1/14/04

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