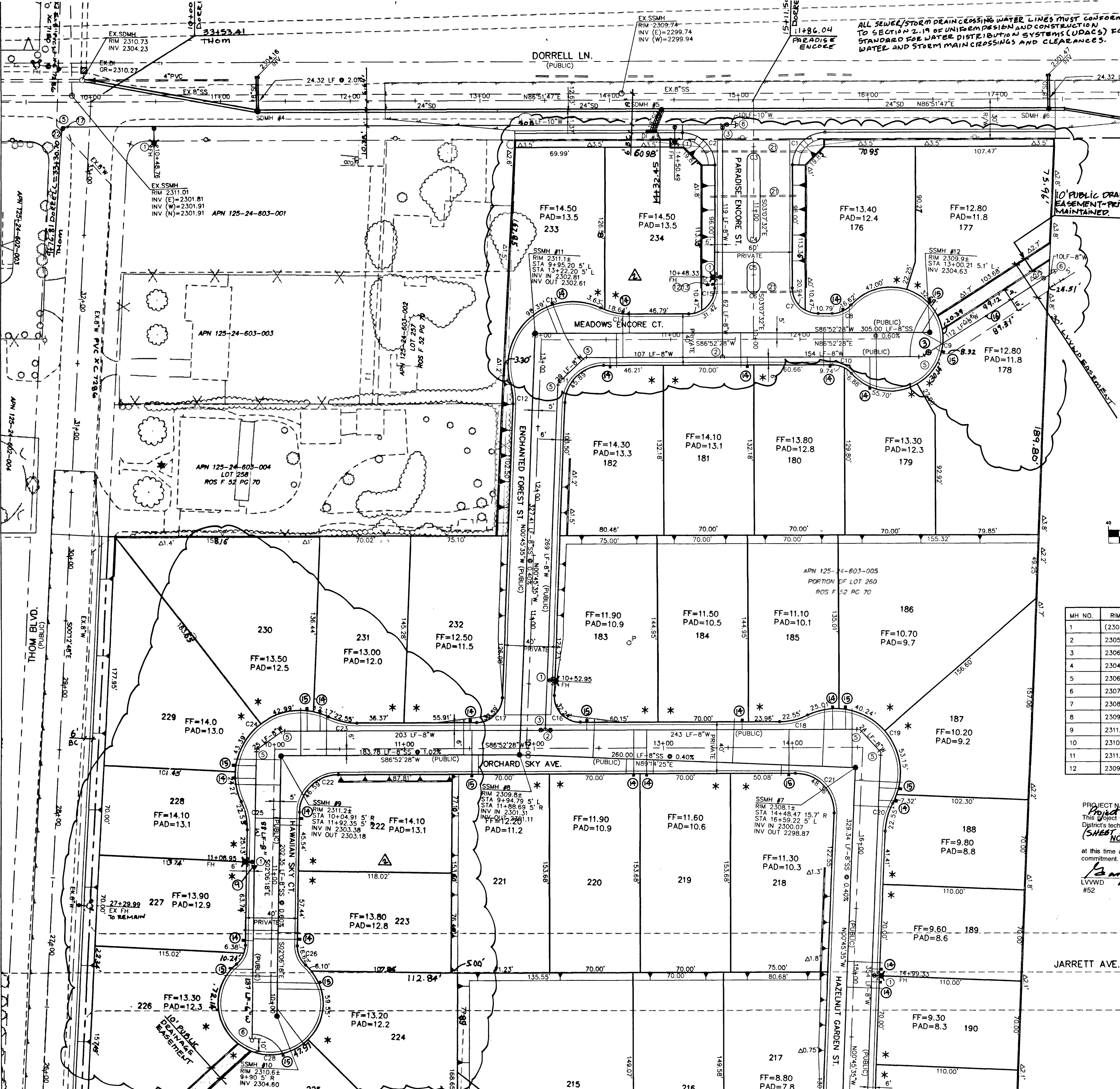
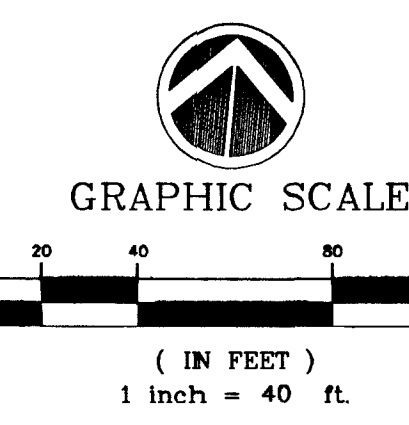




WATER CONSTRUCTION NOTES

- 1 STD. FIRE HYD. W/ASSY. PER UDACS PLATE 7
 - 2 8" TEE PER UDACS PLATE 5
 - 3 8" GATE VALVE PER UDACS PLATE 8
 - 4 8" 90° BEND PER UDACS PLATE 5
 - 5 8" 45° BEND PER UDACS PLATE 5
 - 6 CAP AND 2" BLOW OFF ASSEMBLY PER UDACS PLATE 4
 - 7 12" 45° BEND PER UDACS PLATE 5
 - 8 10" TEE PER UDACS PLATE 5
 - 9 8"x6" REDUCER PER UDACS PLATE 5
 - 10 10" GATE VALVE PER UDACS PLATE 8
 - 11 12" GATE VALVE PER UDACS PLATE 8
 - 12 3/4" METER PER UDACS PLATE # 11A
 - 13 1" RPPA PER UDACS PLATE # 11A
 - 14 1" TYPE 'K' COPPER SERVICE WITH 3/8" METER PER UDACS PLATE 1B
 - 15 1" TYPE 'K' COPPER SERVICE WITH 3/4" METER PER UDACS PLATE 1C
 - 16 8" DI. WATER LINE SEE PROFILE SHEET 4 SECTION J-5
 - 17 10"x8" REDUCER
 - 18 12"x10" REDUCER
 - 19 10" 90° BEND PER UDACS PLATE 5
 - 20 10" 45° BEND PER UDACS PLATE 5
 - 21 3" PVC CONDUITS
 - 22 8"x8" MECHANICAL JOINT TAPPING SLEEVE AND 8" TAPPING VALVE
 - 23 4" GENTLE SLOPE EXPOSED STEEL DRAIN 10' FROM EACH SIDE OF WATER LINE PER UDACS 2.19.02.B3
- * DENOTES DRIVEWAY LOCATION



SEWER MANHOLE TABLE

MH NO.	RIM ELEV.	INV. IN.	INV. OUT.	STATION	NORTHING	EASTING
1	(2305.7)	2294.89	(2294.69)	10+00.00	4315.9758	8763.4367
2	2305.7	2295.79	2295.59	9+84.39	4491.7306	8754.4273
3	2306.2	N/A	2300.20	7+84.43	4481.4939	8554.7311
4	2304.0	2297.06	2296.86	10+04.81	4505.4588	9022.2364
5	2306.3	2298.56	2298.36	9+94.94	4830.4936	9017.9260
6	2307.0	N/A	2301.00	8+23.57	4828.2196	8846.4421
7	2308.1	2300.07	2299.87	14+48.47	5159.8075	9013.5589
8	2309.8	2301.31	2301.11	9+94.79	5156.3599	8753.5818
9	2311.2	2303.38	2303.18	11+92.35	5145.8804	8570.0938
10	2310.6	N/A	2304.6	9+90.00	4944.1242	8577.5097
11	2311.1	2302.81	2302.61	9+95.20	5483.7431	8749.2403
12	2309.9	N/A	2304.63	13+00.21	5500.3734	9053.7915

PROJECT NAME: Paradise Meadows Encore
Project # 27202
This project water plan complies with the Las Vegas Valley Water District's technical requirements. However, this water plan is NOT APPROVED FOR CONSTRUCTION
(SHEET 1 OF 2) 1/1/18
at this time and this signature does not provide or imply a water commitment.
Barry Lange 03/03/03
LVWVD #52 DATE

SEWER CONTRIBUTION

SINGLE FAMILY, ERU = 1.0 P.F. CURVE G
AVG: 59 UNITS X 250 FPD X 1 ERU = 14,750 GPD
14,750 GPD = .01475 MGD
PEAK FACTOR = 3.2 FROM TABLE C
PEAK FLOW CONTRIBUTION: .01475 X 3.2 = .0472 MGD

ALL LOTS: THIS PROPERTY MAY HAVE STATIC 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. PRVS ARE THE DEVELOPER'S RESPONSIBILITY AND WILL NOT BE INSPECTED OR INCLUDED IN THE ACCEPTANCE OF LVWVD FACILITIES.

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

REDUCED PRESSURE PRINCIPLE ASSEMBLY (1) 1"

APPROVED REDUCED PRESSURE PRINCIPLE ASSEMBLY(S) SHALL BE INSTALLED PER 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 LVWVD. 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 DATA

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

BASED ON:

SQUARE FOOTAGE: 3600 SF

LARGEST AREA BETWEEN 4-HOUR AREA SEPARATION WALLS: N/A

BUILDING HEIGHT: 28 FT

NUMBER OF STORIES: 2 STORIES

TYPE OF CONSTRUCTION: V-N

OCCUPANCY: R-3

FULL AUTOMATIC FIRE SPRINKLER SYSTEM: NONE

APPROVAL OF THE FIRE DEPARTMENT HAVING JURISDICTION MUST BE OBTAINED "PRIOR" TO THE CITY OF LAS VEGAS APPROVING THE FINAL WATER PLAN.

REVIEWED BY: _____
DATE: _____



BASIS OF BEARINGS

NORTH 00°06'17"EAST BEING THE EAST LINE OF THE NORTHEAST QUARTER (NE 1/4) OF SECTION 24, TOWNSHIP 19 SOUTH, RANGE 60 EAST, M.D.M., CLARK COUNTY, NEVADA, AS SHOWN BY MAP IN THE OFFICE OF THE CLARK COUNTY, NEVADA RECORDER IN FILE 57 OF SURVEYS PAGE 05.

BENCHMARK

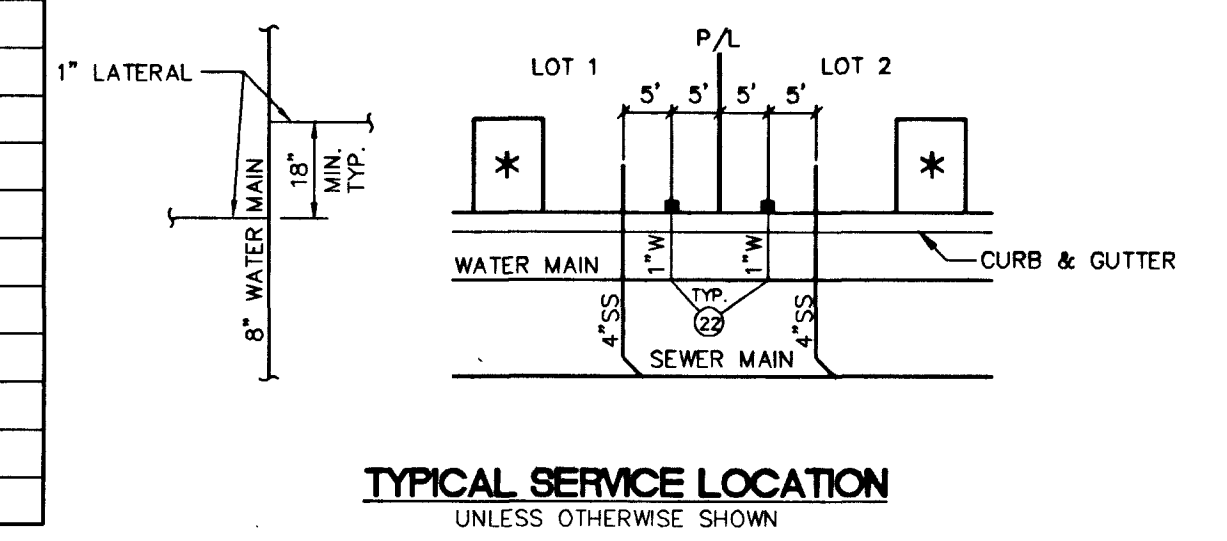
CITY OF LAS VEGAS VERTICAL CONTROL
CITY OF NORTH LAS VEGAS BM #519118 SW COR OF WATER DISTRICT FENCE, DECATUR BLVD & DEER SPRINGS WAY.

STATION 1LV90
24E4
ELEVATION= 701.4396 METERS (NAVD88)
2301.306 FEET

CLV BENCHMARK
CITY OF LAS VEGAS VERTICAL CONTROL
BRASS CAP IN CONCRETE AT DECATUR BLVD & DEER SPRINGS (ONLY 519116)

STATION 1LV90
24E4
AS OF JUNE 3, 2002
ELEVATION= 701.3687 METERS (NAVD88)
2301.07 FEET

PROJECT BM = CLV BM+0.24'



NOTICE TO CONTRACTOR !

EXISTING UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT VERTICAL AND HORIZONTAL LOCATION OF ALL EXISTING UNDERGROUND 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.

AVOID CUTTING UNDERGROUND UTILITIES. IT'S COSTLY.

CALL before you Dig

1-800-227-2600
UNDERGROUND SERVICE (USA)

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY.

CALL BEFORE YOU DO OVERHEAD

CALL 1-702-593-6111

APPROVALS

CLV FIRE DEPARTMENT 2/10/03
[Signature] DATE
LVWVD 3/2/03
[Signature] DATE

REVISION DESCRIPTION

NO.	DATE	BY	APPROVED
1			

3610 North Ranch Drive
Las Vegas, Nevada 89130
Telephone: (702) 646-9700
Fax: (702) 646-4143

ENGINEERING
SOUTHWEST
LAND PLANNING • DEVELOPMENT

UTILITY PLAN
PARADISE MEADOWS ENCORE
CITY OF LAS VEGAS

TITLE PROJECT

WORK ORDER NO. 020206

DESIGN BY: TEAM 1

DATE: 12-06-02

SCALE: 1"=40'

CADFILE: pmeup

SHEET 17 OF 25 SHEETS

CLV DWG NO. 2874-4746