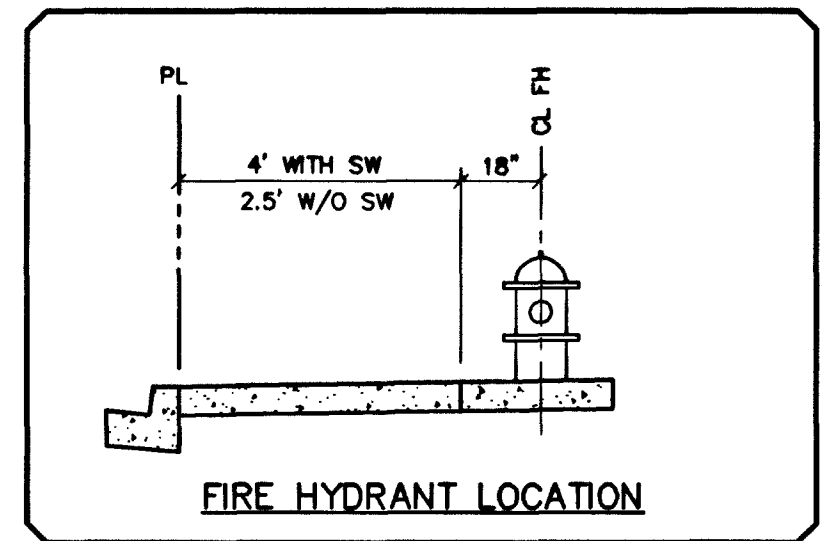
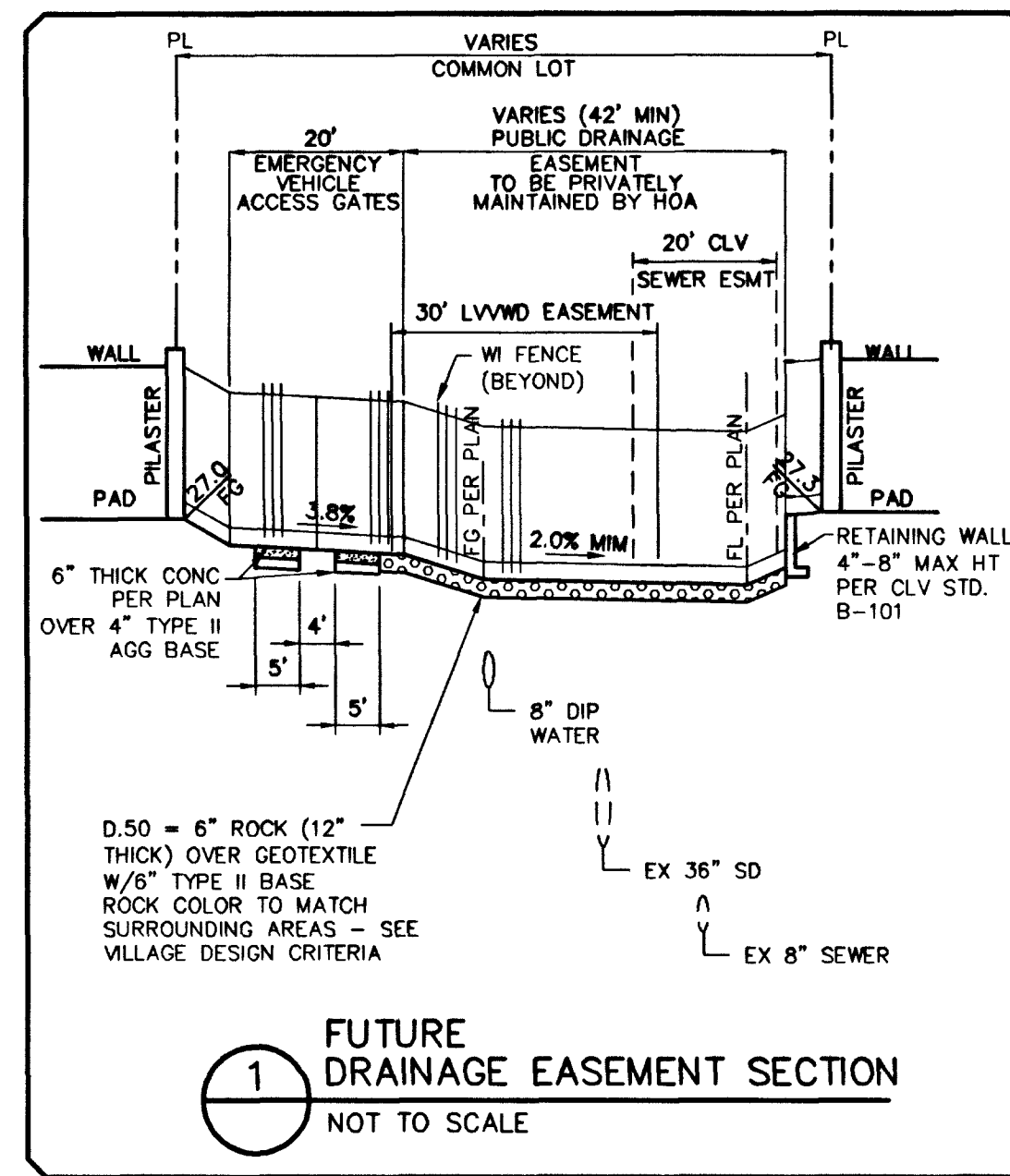
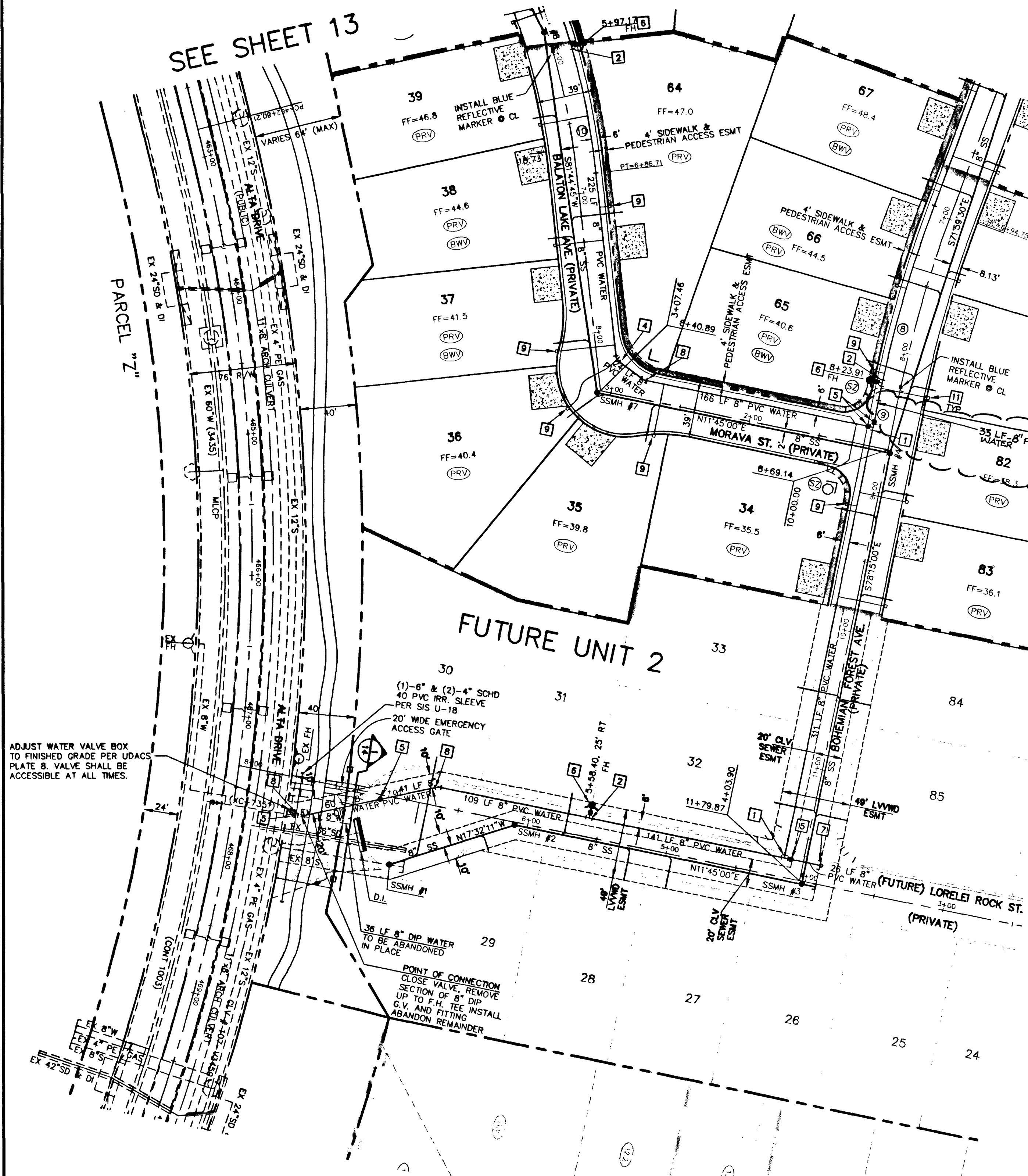


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44053
47294
Randy Marks



WATER LINE CURVE TABLE					
No.	Delta	Radius	Length	Tangent	
1	01°35'30"	486.50	13.51	6.76	
2	16°42'39"	575.36	168.98	85.10	
3	02°24'06"	1946.00	251.39	125.87	
4	02°23'21"	1946.00	245.53	124.27	
5	03°46'29"	1946.00	128.20	64.12	
6	06°27'49"	250.00	28.20	14.12	
7	03°52'40"	1946.00	131.71	65.88	
8	07°53'51"	951.58	131.16	65.69	
9	01°45'07"	951.58	12.59	6.25	
10	09°48'59"	533.00	91.32	45.77	
11	13°04'10"	533.00	121.58	61.06	
12	05°02'40"	486.50	42.83	21.43	
13	2°17'09"	199.60	95.05	48.45	
14	06°49'25"	486.50	57.84	28.00	
15	10°19'16"	486.50	51.61	25.87	
16	04°17'42"	513.50	38.49	19.26	
17	06°37'21"	486.50	56.23	27.76	

- WATER FITTINGS LEGEND:**
- 1 8" TEE
 - 2 8"x6" TEE
 - 4 8" 45° BEND
 - 5 8" GATE VALVE
 - 6 FIRE HYDRANT ASSY. PER UDACS PLATE 7
 - 7 2" BLOW-OFF ASSEMBLY W/CAP PER UDACS PLATE 4
 - 8 8" 22-1/2° BEND
 - 9 3/4" WATER METER PER UDACS PLATE 10
 - 10 1" WATER METER PER UDACS PLATE 10
 - 11 3/4" WATER METER PER UDACS PLATE 1B (TYPICAL)
 - 12 8" x 6" REDUCER

PRIVATE STREET NOTE:

ALL PRIVATE STREETS ARE PUBLIC DRAINAGE EASEMENTS, CITY OF LAS VEGAS (CLV) SEWER EASEMENTS, & PUBLIC UTILITY EASEMENTS (PUE) TO BE PRIVATELY MAINTAINED BY HOME OWNERS ASSOCIATION (HOA).

LOTS 34-39, 64-67, 79-83

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. PRVS ARE THE DEVELOPER'S RESPONSIBILITY AND WILL NOT BE INSPECTED OR INCLUDED IN THE ACCEPTANCE OF LVWD FACILITIES.

NOTE

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

- CITY OF LAS VEGAS STREETLIGHT NOTES**
- ALL STREET LIGHTING INSTALLATIONS SHALL BE IN ACCORDANCE WITH THE STREET LIGHTING PLANS, THE "UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA, NEVADA", LATEST REVISION, AND THE "UNIFORM STANDARD DRAWINGS FOR PUBLIC WORKS CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA, NEVADA", LATEST REVISION, AND THE SUMMERLIN IMPROVEMENT STANDARDS (SIS).
 - NO DEVIATION OF STREET LIGHT, PULL BOX, CONDUITS (ETC.) LOCATIONS SHALL BE PERMITTED WITHOUT WRITTEN APPROVAL OF THE TRAFFIC/ELECTRICAL FIELD OPERATIONS DIVISION AND THE CITY ENGINEER. ANY DEVIATION FROM THE PLAN LOCATION WILL REQUIRE COMPLIANCE WITH SECTION 623.1.0.03(E) OF THE SPECIFICATIONS.
 - ALL EXISTING STREET LIGHTING SHALL REMAIN OPERATIONAL DURING CONSTRUCTION.
 - ALL EMPTY CONDUIT SHALL HAVE PULL STRINGS INSTALLED PRIOR TO FINAL INSPECTION.
 - ANY STRUCTURE SUCH AS BLOCK WALLS, CHAIN LINK FENCES, RETAINING WALLS, ETC., SHALL LEAVE A MINIMUM CLEARANCE OF EIGHTEEN INCHES (18") TO THE FACE OF STREET LIGHTING POLE ON ALL SIDES WHEN STREETLIGHT IS INSTALLED BEHIND SIDEWALK, AND SHALL AT NO TIME COMPLETELY ENCLOSE THE STREET LIGHTING POLE.
 - AS-BUILT DRAWINGS SHALL BE SUPPLIED TO THE ELECTRICAL SERVICES SECTION PRIOR TO ANY PRE-FINAL INSPECTION. THE AS-BUILT DRAWING NEEDS TO BE STAMPED AS-BUILT AND SIGNED BY THE PREPARER.
 - SERVICE POINT SHALL BE COORDINATED WITH NEVADA POWER COMPANY, AND WHEREVER POSSIBLE, BE LOCATED NEAR THE CENTER OF THE CIRCUIT. SERVICE POINTS SHALL BE SHOWN ON THE PLANS.
 - IT SHALL BE ASSUMED THAT IN THE ABSENCE OF AN EXISTING, WORKABLE CIRCUIT TO ATTACH TO, ALL INSTALLATIONS SHALL REQUIRE A NEW SERVICE FOR OPERATION OF THE CIRCUIT.
 - WHEREVER THERE IS AN OVERHEAD UTILITY THAT MAY CONFLICT WITH THE INSTALLATION OF STREET LIGHTING CIRCUITS AND/OR POLES, THESE CONFLICTS MUST BE RESOLVED BETWEEN THE DEVELOPER AND THE UTILITIES INVOLVED BEFORE STREETLIGHT BASES ARE INSTALLED AT NO EXPENSE TO THE CITY OF LAS VEGAS.
 - THE CONTRACTOR SHALL FURNISH COMPLETE SERVICE TO TRANSFORMERS AND CONTROL SYSTEMS IF REQUIRED ON PLANS.

Avoid hitting overhead power lines. 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
UNDERGROUND SERVICE ALERT (USA)

SANITARY SEWER MANHOLE SCHEDULE

MANHOLE	ID	TYPE	SYNTH	OFFSET	RIM EL	IN INV EL	S INV EL	W INV EL	COMMENTS
1	SD-1	7+15.65	LORELEI ROCK ST.	26.12' LT	3224.9	3205.12	3204.92	---	T-LOCK
2	SD-1	8+09.08	LORELEI ROCK ST.	2' LT	3226.8	3212.74	3212.54	---	
3	SD-1	4+01.90	LORELEI ROCK ST.	2' LT	3228.0	3218.00	3218.80	---	
4	SD-1	8+71.14	BOHEMIAN FOREST AVE.	2' LT	3235.6	---	3226.90	3226.90	
5	SD-1	4+89.79	BOHEMIAN FOREST AVE.	2' LT	3253.7	---	3246.70	---	
6	SD-1	0+89.79	BOHEMIAN FOREST AVE.	2' LT	3273.7	3265.33	3265.13	---	
7	SD-1	8+42.18	BALATON LAKE AVE.	2.52' RT	3237.6	3230.00	---	---	
8	SD-1	5+82.96	BALATON LAKE AVE.	2' RT	3245.9	---	3238.30	---	
9	SD-1	4+20.51	BALATON LAKE AVE.	9.41' RT	3252.0	3245.20	3245.00	---	
10	SD-1	0+96.55	BALATON LAKE AVE.	4.32' RT	3264.7	3257.70	---	3257.90	
11	SD-1	1+78.75	WINDSOR CASTLE CT.	11.46' LT	3254.4	3247.60	3247.40	---	
12	SD-1	8+57.35	WINDSOR CASTLE CT.	2' LT	3258.1	---	3251.10	---	
13	SD-1	8+26.68	LAKE WINDEMERE ST.	8.10' RT	3270.7	3262.57	3262.37	---	
14	SD-1	1+01.33	LAKE WINDEMERE ST.	16.26' RT	3273.5	---	3266.95	3267.15	

- LVWD NOTES**
LVWD PROJECT # 26744
- NO WORK SHALL BEGIN UNTIL THE WATER PLANS HAVE BEEN RELEASED FOR CONSTRUCTION BY THE LVWD. FOLLOWING WATER PLAN APPROVAL, FORTY-EIGHT (48) HOUR NOTICE SHALL BE GIVEN TO THE LVWD COMMUNICATION SUPPORT CENTER (258-7171) PRIOR TO THE START OF CONSTRUCTION. NOTICE MUST BE GIVEN BY 2:00 P.M. THE BUSINESS DAY PRIOR TO A LVWD INSPECTION. WHEN REQUESTING INSPECTION, PLEASE REFER TO THE PROJECT NUMBER IDENTIFIED ABOVE.
 - ALL WORK SHALL CONFORM TO LVWD STANDARD PLATES, DRAWING, AND SPECIFICATIONS AND THE UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR WATER DISTRIBUTION SYSTEMS (UDACS), LATEST EDITION.
 - ALL WORK, EXCEPT AS MODIFIED BY THESE PLANS OR BY NOTE 2, SHALL BE DONE IN ACCORDANCE WITH THE MOST CURRENT DRAFT OR EDITION OF THE UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA.
 - A SINGLE PIPE MATERIAL SHALL BE USED THROUGHOUT THE PROJECT, UNLESS OTHERWISE APPROVED BY THE LVWD.
 - ALL SERVICE LATERALS TWO INCHES (2") IN DIAMETER AND SMALLER SHALL BE COPPER TUBING WITH LVWD APPROVED SERVICE SADDLES.
 - ALL WATER METER BOXES SHALL BE LOCATED OUTSIDE OF DRIVEWAY AREAS.
 - ALL VALVES SHALL BE LOCATED OUTSIDE OF DRIVEWAYS, GUTTERS, CURBS AND ALLEY GUTTERS.
 - THE FOLLOWING REQUIREMENTS MUST BE MET IN THE EVENT A WATER LINE AND A SANITARY SEWER OR STORM SEWER LINE CROSS:
 - A MINIMUM EIGHTEEN INCH (18") VERTICAL SEPARATION (OUTSIDE TO OUTSIDE) MUST BE MAINTAINED WHEN THE WATER LINE IS INSTALLED OVER THE SANITARY OR STORM SEWER LINE. IF THE VERTICAL SEPARATION CANNOT BE MAINTAINED OR THE WATER LINE MUST BE PLACED UNDER THE SANITARY OR STORM SEWER LINE, THE SANITARY OR STORM SEWER LINE MUST BE CONSTRUCTED WITH ONE OF THE FOLLOWING OR, AS SHOWN ON THESE PLANS:
 - A. POTABLE WATER SUPPLY QUALITY MATERIAL
 - B. ENCASUREMENT, WITH FOUR INCH (4") CONCRETE (MINIMUM)
 - C. SLEEVING WITH POTABLE WATER SUPPLY QUALITY PIPE.
 - EACH PROVISION MUST EXTEND ALONG THE SANITARY OR STORM SEWER, ON EITHER SIDE OF THE WATER MAIN, A MINIMUM TEN FOOT (10') DISTANCE PERPENDICULAR TO THE EXTERIOR OF MAIN.
 - WARNING TAPE SHALL BE REQUIRED OVER ALL MAINS, ALL SIX INCH (6") DIAMETER AND LARGER SERVICE LATERALS, AND ANY SERVICE LATERAL NOT INSTALLED PERPENDICULAR TO THE MAIN IN ACCORDANCE WITH STANDARD PLATE NO. 27.
 - ALL WATER FACILITIES SHALL BE FILLED, DISINFECTED, PRESSURE TESTED, FLUSHED, FILLED AND AN ACCEPTABLE WATER SAMPLE OBTAINED PRIOR TO CONNECTION TO THE LVWD'S DISTRIBUTION SYSTEM.
 - THE CONTRACTOR MUST OBTAIN ALL METERS TWO INCHES (2") AND SMALLER FROM LVWD CENTRAL STORES. TELEPHONE 258-3152 FORTY-EIGHT (48) HOURS PRIOR TO PICK-UP.
 - CONSTRUCTION MAY INTERRUPT SERVICE, WITH LVWD APPROVAL AND PROPER NOTIFICATION, BETWEEN THE HOURS OF 10:00 P.M. AND 6:00 A.M. SUNDAY THROUGH THURSDAY. CIRCUMSTANCES MAY REQUIRE A TEMPORARY SERVICE FEED BE INSTALLED, WITHOUT LVWD REIMBURSEMENT. ANY TEMPORARY SERVICE FEED MUST HAVE PRIOR LVWD APPROVAL.
 - ALL WATER FACILITY CONSTRUCTION MATERIALS USED MUST BE AS LISTED ON THE LVWD'S PRE-APPROVED MATERIALS AND MANUFACTURERS LISTING FOR NEW FACILITIES, LATEST REVISION OR SPECIFICALLY APPROVED ON THESE PLANS.

BASIS OF BEARING

CONTROL MONUMENTS 208, 209 AND 211 AS SHOWN ON THAT CERTAIN MAP ON FILE IN THE CLARK COUNTY RECORDER'S OFFICE, IN FILE 92, PAGE 42 OF SURVEYS.

BENCHMARK

CITY OF LAS VEGAS BENCHMARK # 010V9 36NWS

RIVET AND PLATE IN TOP OF CURB AT THE NORTHWEST CORNER OF PAVILLION CENTER AND GREENMOOR.

ELEVATION = 927.9652 METERS (NAVD 88)
ELEVATION = 3044.50 US FEET (NAVD 88)

APPROVALS

CITY FIRE MARSHAL: *[Signature]* DATE: 8/16/02

LAS VEGAS VALLEY WATER DISTRICT: *[Signature]* DATE: 8/16/02

DATE: 8/16/2002
DRAWN BY: DL
DESIGNED BY: R.P.S.
CHECKED BY: BDB
ADA CHECKED: N/A
JOB NO.: 88147050
SCALE: 1"=50'

Stanley Consulting Inc.
7251 West Charleston Blvd.
Las Vegas NV 89117
Tel. 702.258.0115
Fax. 702.258.4956
www.stanley.com

Pulte Homes
1635 VILLAGE CENTER CIRCLE, SUITE 250
LAS VEGAS, NV 89134
(702) 255-7800

PARADISO UNIT 1 AT THE SUMMERLIN VISTAS
UTILITY, TRAFFIC PLAN 2

PROFESSIONAL ENGINEER
RICHARD P. SENECA
CIVIL
11752
8/16/02

SHEET
3071-4710-1
14
OF 14