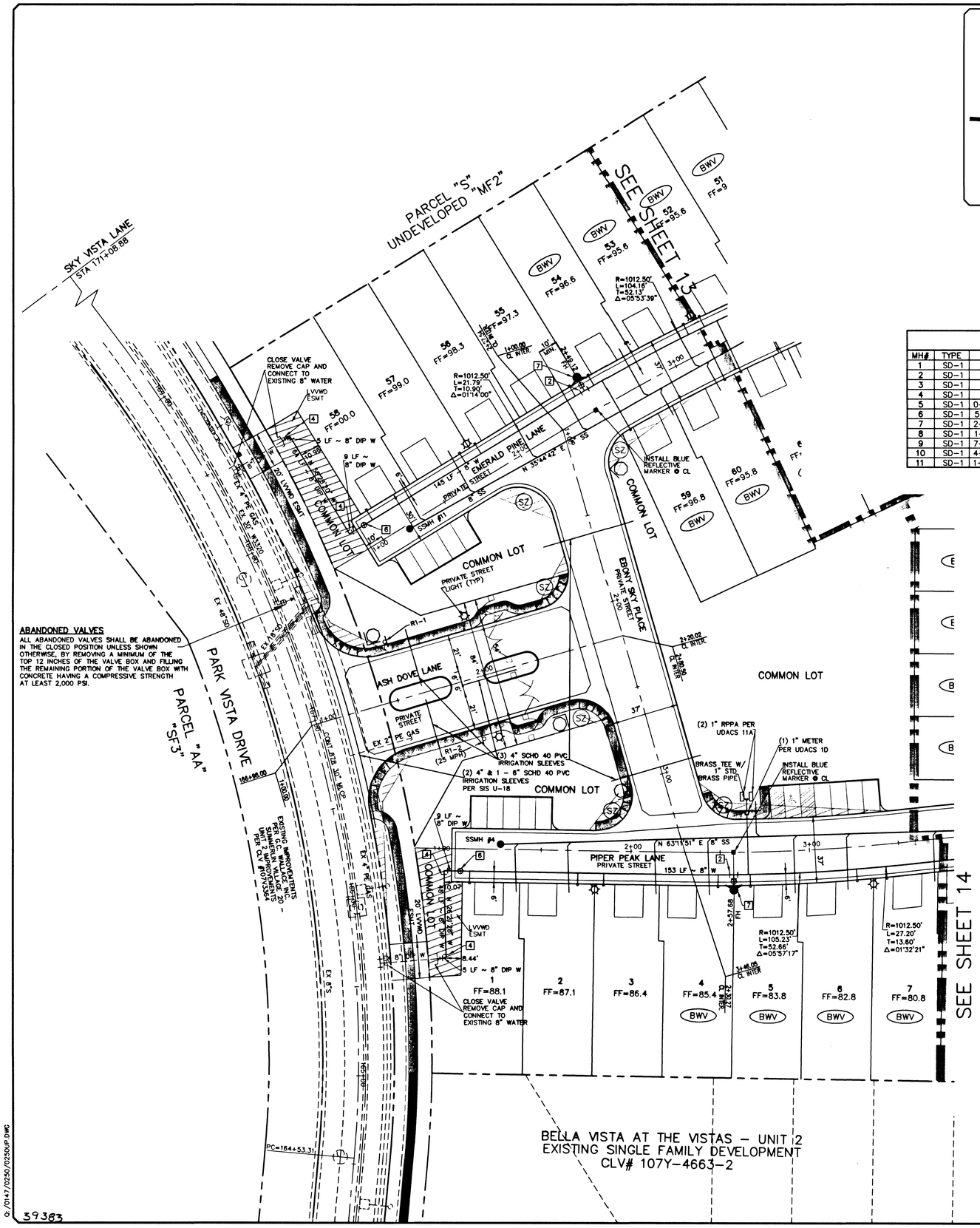
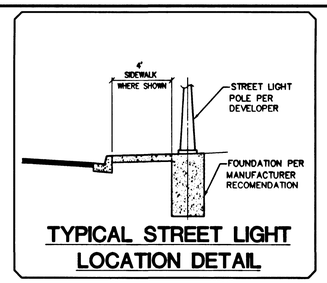
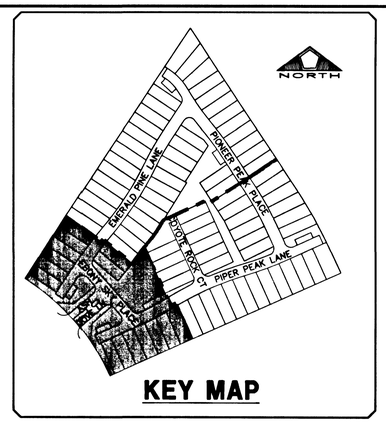


ABANDONED VALVES

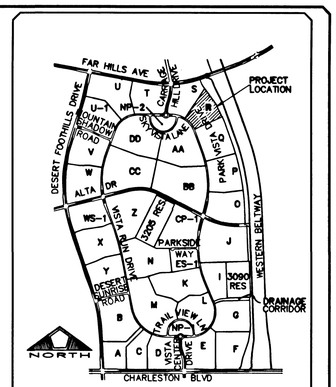
ALL ABANDONED VALVES SHALL BE ABANDONED IN THE CLOSED POSITION UNLESS SHOWN OTHERWISE, BY REMOVING A MINIMUM OF THE TOP 12 INCHES OF THE VALVE BOX AND FILLING THE REMAINING PORTION OF THE VALVE BOX WITH CONCRETE HAVING A COMPRESSIVE STRENGTH AT LEAST 2,000 PSI.



TYPICAL STREET LIGHT LOCATION DETAIL



KEY MAP



LOCATION MAP

SANITARY SEWER MANHOLE SCHEDULE

MH#	TYPE	STATION	OFFSET	RIM EL	N INV EL	S INV EL	E INV EL	W INV EL	COMMENTS
1	SD-1	8+66.83 PIPER PEAK LANE	1.50 LT	3161.0	--	--	3146.67	3146.87	T-LOC COATED
2	SD-1	7+51.43 PIPER PEAK LANE	1.50 LT	3164.1	3156.30	--	3156.10	3156.30	
3	SD-1	4+76.01 PIPER PEAK LANE	2.00 LT	3173.5	3166.90	--	3166.70	3166.90	
4	SD-1	1+27.19 PIPER PEAK LANE	2.80 LT	3186.0	--	--	3180.00	--	
5	SD-1	0+93.01 COYOTE ROCK COURT	2.00 RT	3181.9	--	3175.40	--	--	
6	SD-1	5+51.42 PIONEER PEAK PLACE	2.00 RT	3173.2	3166.90	3166.70	--	--	
7	SD-1	2+47.78 PIONEER PEAK PLACE	2.85 RT	3182.7	3176.10	3175.90	--	3176.10	
8	SD-1	1+20.95 PIONEER PEAK PLACE	2.00 LT	3186.1	--	3179.80	--	--	
9	SD-1	7+79.69 EMERALD PINE LANE	4.34 RT	3184.6	--	3178.80	3178.60	--	
10	SD-1	4+77.21 EMERALD PINE LANE	0.74 RT	3191.7	3185.20	3185.40	--	--	
11	SD-1	1+25.70 EMERALD PINE LANE	2.61 RT	3197.2	3190.87	--	--	--	

NORTH

GRAPHIC SCALE

30 0 15 30 60 120

(IN FEET)
1 inch = 30 ft.

SANITARY SEWER CONTRIBUTION

AVERAGE FLOW 0.0225 MGD
PEAK FLOW 0.0788 MGD

WATER FITTINGS LEGEND:

1. 8" TEE
2. 8"x6" TEE
3. 8"x6" REDUCER
4. 8" 90° BEND
5. 8" 22.5° BEND
6. 8" GATE VALVE
7. FIRE HYDRANT ASSY. W/6" LATERAL 6" GATE VALVE
8. 2" BLOW-OFF ASSEMBLY W/CAP PER UDACS PLATE 4

TRAFFIC LEGEND

- 9" D3 STREET NAME SIGN (PER STD DWG 250)
- 30" STOP SIGN (R1-1) LOCATE AT BCR
- BLUE REFLECTIVE MARKER
- STREET SIGN AS NOTED PER PLAN

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).

NOTE:

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

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.

Avoid hitting overhead power lines. It's costly.
Call before you do Overhead
1-702-593-6111

Avoid cutting underground utility lines. It's costly.
Call before you Dig.
1-800-227-2600
(WASHINGTON, SONOMA, ALAMEDA COUNTIES)

FIRE FLOW CALCULATIONS

FIRE FLOW REQUIREMENTS IS: ..... 1,750 GALLONS PER MINUTE
AT 20 psi RESIDUAL PRESSURE.

BASED ON:

SQUARE FOOTAGE ..... 4,800 SF
LARGEST AREA BETWEEN 4-HOUR AREA SEPARATION WALLS: ..... N/A
BUILDING HEIGHT ..... 20' ±
NUMBER OF STORIES ..... ONE-STORY
TYPE OF CONSTRUCTION ..... TYPE 5 NR
OCCUPANCY ..... SINGLE-FAMILY
FULL AUTOMATIC FIRE SPRINKLER SYSTEM ..... LOTS 85 & 86 ONLY (SEE SHEET 14)

REVIEWED BY: _____ DATE: 4-2-02

ESTIMATE OF WATER QUANTITIES

6" PVC WATER MAIN	279 L.F.
8" PVC WATER MAIN	2,118 L.F.
8" DIP WATER MAIN	140 L.F.
1" COPPER WATER SERVICE (UDACS PLATE 1B)	93 EA.
5/8" WATER METER (FROM LVVWD) (UDACS PLATE 1B)	89 EA.
3/4" WATER METER (FROM LVVWD) (UDACS PLATE 1B)	1 EA.
1" WATER METER (IRRIGATION) (UDACS PLATE 1D)	3 EA.
1" R.P.P.A. (IRRIGATION) (UDACS PLATE 11A)	4 EA.
2" BLOW-OFF ASSEMBLY W/CAP	3 EA.
8" TEE	3 EA.
8"X6" TEE	6 EA.
8" 90° BEND	4 EA.
8" 22.5° BEND	1 EA.
8" x 6" REDUCER	3 EA.
STD. FIRE HYDRANT ASSEMBLY W/ 6" LATERAL, 6" GATE VALVE	6 EA.
8" GATE VALVE	5 EA.

NOTE: QUANTITIES ARE APPROXIMATE ONLY-CONTRACTOR TO VERIFY.

UTILITY LEGEND

- EX 8" W — EXISTING WATER LINE W/SIZE
- 8" W — PROPOSED WATER LINE W/SIZE
- PROPOSED WATER LATERAL
- PROPOSED FIRE HYDRANT W/6" LATERAL & 6" G.V.
- EX 8" S — EXISTING SEWER LINE W/SIZE
- 8" SS — PROPOSED SEWER LINE W/SIZE
- PROPOSED SEWER LATERAL
- EXISTING SEWER MANHOLE
- PROPOSED SEWER MANHOLE
- GATE VALVE
- 1-1/4" SL CONDUIT
- PRIVATE STREET LIGHT AS REQUIRED BY DEVELOPER
- EXISTING STREET LIGHT PER SUMMERLIN SIS
- CONCRETE DRIVEWAY
- 8" W 6" W — WATER REDUCER
- BWV — REQUIRES BACKWATER VALVE
- PRV — REQUIRES PRESSURE REDUCER VALVE

BENCHMARK

CITY OF LAS VEGAS BENCHMARK #OLV09 36SSW6

NDOT REFERENCE BRASS CAP, 50' RIGHT OF STATION 870+00 CHARLESTON BLVD.

ELEVATION = 919.3496 METERS (NAVD'88)
ELEVATION = 3016.233 U.S. SURVEY FEET (CALCULATED NAVD'88)

REDUCED PRESSURE PRINCIPAL ASSEMBLY (4) 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 SHALLL BE DESIGNED AND CONSTRUCTED AROUND THE OUTSIDE OF THE EASEMENT(S) TO ALLOW THE DISTRICT DIRECT ACCESS FROM THE ADJACENT RIGHT-OF-WAY. EASMENTS SHALL BE CLEARLY MARKED OR STAKED PRIOR TO THE START OF CONSTRUCTION.

APPROVALS

CITY FIRE MARSHAL — DATE 4-2-02

LAS VEGAS VALLEY WATER DISTRICT — DATE 4/12/02

NO.	DESCRIPTION	DATE	APP'D

PULTE HOMES
1635 VILLAGE CENTER CIRCLE, SUITE 250
LAS VEGAS, NEVADA 89134
(702) 256-7900

PENTACORE
CIVIL ENGINEERING · LAND SURVEYING · PLANNING
CONSULTING · PROJECT MANAGEMENT · CONSTRUCTING
6763 WEST CHARLESTON BOULEVARD
LAS VEGAS, NEVADA 89146 (702)258-0115

UTILITY AND TRAFFIC PLAN

SAGE HILLS AT THE SUMMERLIN VISTAS
(SUMMERLIN VILLAGE 20, PARCEL R)

DATE : 01/21/02
PM : S.L.Y.
DRAWN BY :
DESIGNED BY :
CHECKED BY :
ADA CHECKED :
JOB NO. : 0147.0250
SCALE : 1" = 30'

PROFESSIONAL ENGINEER - STATE OF NEVADA
RICHARD P. SENECAL
CIVIL
11752
03/25/02

SHEET 12 OF 15

C.L.V. DWG.# 307Y-4693

39383

O:/0147/0250/0250UP.DWG