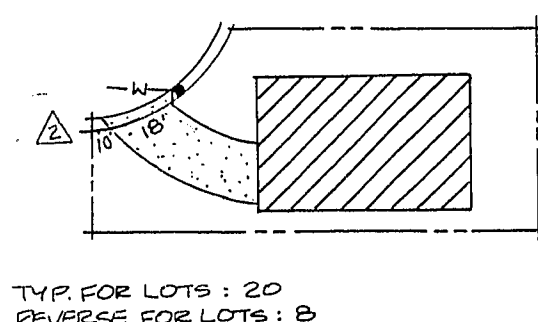
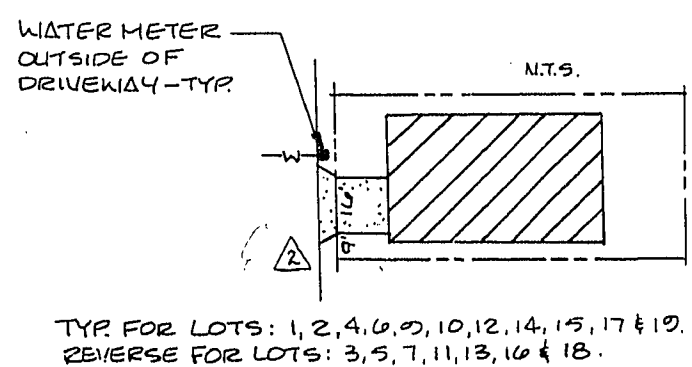
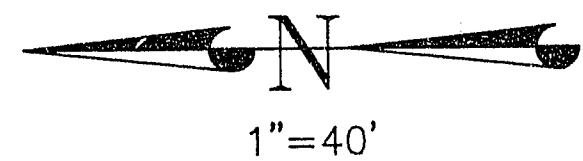




DRIVEWAY LOCATION DETAILS
N.T.S.

EXIST. 8" SEWER

CHERRY RIVER DRIVE
N 89°12'17" E 334.61'
100 W HPS LUMINAIRE W/STD. 11 GA. STREET LIGHT (TYPICAL)
EX. 8" GATE VALVE
CONNECT TO EXIST. 8" P.V.C. WATER
EX. SEWER M.H. ADJUST
EX. SEWER STUB TO 2.5%
INV. IN = 38.40
INV. OUT = 38.20
#3/2 PULL BOX

8" GATE VALVE

SEWER M.H.
INV. IN = 46.04
INV. OUT = 46.24
PLUG AND 2" BLOW-OFF

8" STUB @ 1.75%

INSTALL 80 L.F. 8" P.V.C.
@ 2.40% S.E. 49.78
PLUG END

ALTA VIEW ESTATES

CARMEL PEAK LANE

LAS VEGAS VALLEY WATER DISTRICT STANDARD NOTES

- No work shall begin on the water plans until they have been released for construction by the LVWD. Following approval of the plans, notice shall be given to the LVWD Customer Service Department (810-4194) 48 hours prior to actual construction, and 24 hours prior to an inspection.
- Call Before You Dig 1-800-227-2600.
- All work shall conform to LVWD latest standard plates, drawings, and specifications.
- All work, except as modified hereon or by Note 3, shall be done in accordance with the most current draft or addition of the Uniform Standard Specifications for Public Works Construction Office Improvements, Clark County Area.
- District approved service saddles or tapped collars shall be required on all 3/4" and 1" service laterals. Service saddles only shall be permitted on 1-1/2" and 2" service laterals. Double tapped collars are not permitted.
- COPPER SERVICE LATERALS:** All 3/4" to 2" service laterals shall be of copper tubing in accordance with the District's specification titled "3502 - Copper Water Tubing".
- The maximum allowable joint deflection for ACP and Ductile iron pipe shall be as follows:

Pipe sizes	ACP	Ductile iron slip joint	Ductile iron mechanical joint
6 inch	2.5 degrees	2.5 degrees	3.5 degrees
8 - 12 inch	2.5 degrees	2.5 degrees	2.5 degrees
14 - 16 inch	2 degrees	1.5 degrees	1.5 degrees
18 - 24 inch	N/A	1.5 degrees	1.5 degrees

On PVC pipe, the maximum offset for a 20' length of factory belled pipe shall be 16 inches for 6" pipe, 12 inches for 8" pipe, and 9 inches for 10" and 12" pipe.

If these offsets conflict with the pipe manufacturers recommendation, the more stringent requirement shall apply.
- All water meter boxes shall be located outside of driveway areas.
- All valves shall be located outside of driveways and valley gutters.
- Detector tape shall be required in accordance with Standard Plate No. 27 where indicated, and as follows:
 - over all mains not installed 6 feet from back of curb.
 - over all service laterals not installed at right angles to main.
- All water mains shall be pressure tested at 200 psi for a continuous two hour period, in accordance with District Standards.
- All water mains shall be disinfected, flushed, and an acceptable Health Sample obtained, prior to the connection of the water main(s) and/or lateral(s) to the District's System.
- Contractor to obtain all meters 2" and smaller from LVWD Central Stores. Telephone 258-3152 forty-eight (48) hours prior to pickup.

FIRE DEPARTMENT APPROVAL

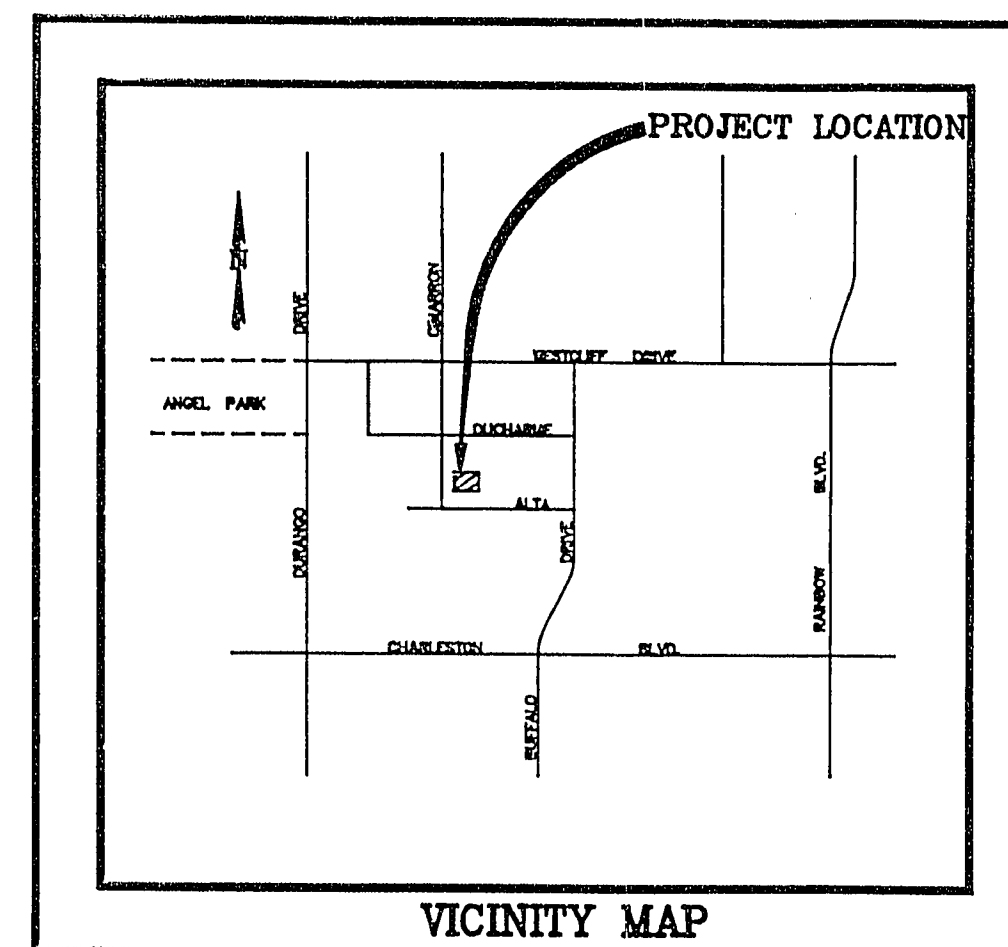
Approval by the fire department having jurisdiction is required **PRIOR** to obtaining final approval from the Las Vegas Valley Water District.

LEGEND

---	PROPERTY LINE
---	EXISTING WATER LINE
---	EXISTING SEWER LINE
---	PROPOSED WATER LINE
---	PROPOSED SEWER LINE
○	PROPOSED SEWER MANHOLE
○	EXISTING SEWER MANHOLE
○	PROPOSED FIRE HYDRANT
○	EXISTING FIRE HYDRANT
---	EXISTING STREET LIGHT CONDUIT
---	1/4" PVC STREET LIGHT CONDUIT (PROPOSED)
▽	DRIVEWAY SIDE OF LOT

WATER QUANTITIES

8" PVC	330 L.F.
6" PVC	300 L.F.
8" GATE VALVE	1 EA.
5/8" WATER SERVICE	20 EA.



FIRE FLOW DATA:

OCCUPANCY	SINGLE FAMILY HOMES
REQUIRED FIRE FLOW	1500 GPM

APPROVALS:

Richard O. Brunner 12/12/90
CITY OF LAS VEGAS FIRE MARSHALL DATE

[Signature] 3-15-91
LAS VEGAS VALLEY WATER DISTRICT DATE

PROJECT NAME: ALTA VIEW ESTATES

PHASE III

This project water plan complies with the Las Vegas Valley Water District's technical requirements; however, this water plan is **NOT APPROVED FOR CONSTRUCTION** at this time.

[Signature] 11-07-90
LVWD Date

2295-B Renaissance Drive
Las Vegas, Nevada 89119
Phone (702) 798-9045
CRS
CONSULTING ENGINEERS

DESIGN SCALE 1"=40'
DRAWN 30-11714
CHECKED 30-11714
DATE 11-1990

REVISIONS
1. S.H.V. 10/93 SEWER AS-BUILT PER CONTRACTOR'S INFO
2. S.H.V. 12/93 EXTENDED SANITARY SEWER DR 2-14-93
3. S.H.V. 12/93 ADDED DISCREPANCY DETAILS
4. S.H.V. 12/93 REVISED CONNECTION POINT TO EXISTING WATER LINE

ALTA VIEW ESTATES PHASE II
UTILITY PLAN

SHEET 3
OF 7
DRWG. NO.
LV-72

"As Built" 307Y-4105-II