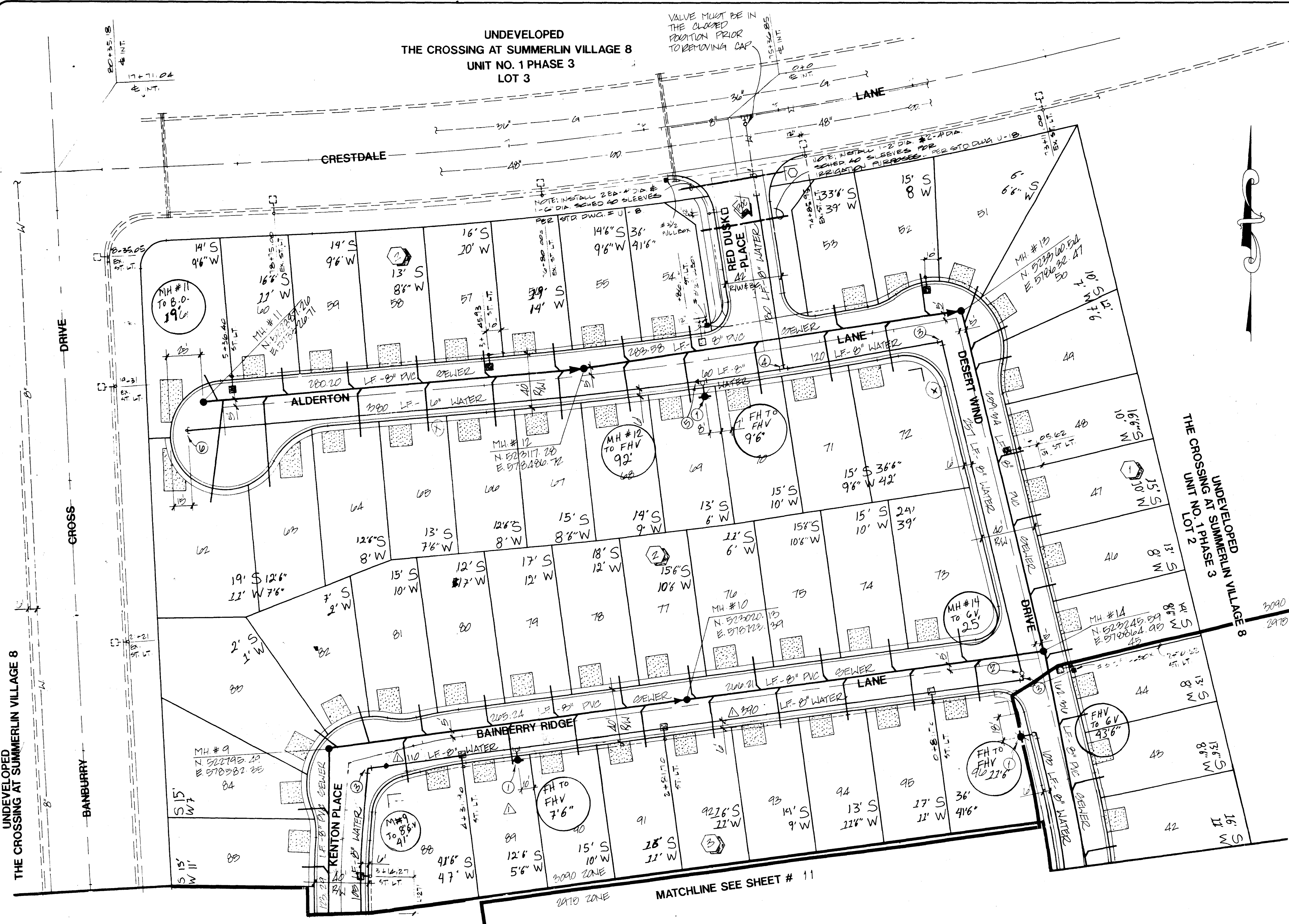




LOTS 101 THRU 105 & LOTS 101 & 102
MAY HAVE UTILITY WATER PRESSURE IN
EXCESS OF 80 PSI. THE UNIFORM PLUMBING
CODE REQUIRES THAT INDIVIDUAL, ON-SITE
(PRIVATE) PRESSURE REDUCING VALVES BE
INSTALLED WHENEVER THE PRESSURE EXCEEDS 80 PSI.
PRVS ARE THE DEVELOPER'S RESPONSIBILITY AND WILL NOT
BE INSPECTED OR INCLUDED IN THE ACCEPTANCE OF LVVWD FACILITIES.

ESTIMATE OF QUANTITIES
WATER

1" GND FIRE HYDRANT ASSEMBLY	7 EA.
2" GND GATE VALVE	3 EA.
3" GND 90° ELBOW	7 EA.
4" GND TEE	3 EA.
6" X 1/2" REDUCER	2 EA.
2" B.O. ADAPT.	2 EA.
8" WATER MAIN	2092 LF
6" WATER MAIN	728 LF
3/4" WATER CERV. W/ 1/2" METER	132 EA.

SEWER

8" SEWER MAIN	4293 LF
4" CERV. LATERAL	3161 LF
WRECO	132 EA.
STD MANHOLES	10 EA.

STREETLIGHTS

100 WATT LUMIN. (TYPE 3 B)	26 EA.
1 1/2" CONDUIT	4275 LF
#3/4" PULL BOX	7 EA.
STD. CAN	7 EA.
STREET NAME SIGN	11 EA.

STORMDRAIN

TYPE 3 P.I. (2'-0")	1 EA.
TYPE "C" P.I. (12")	3 EA.
STD. STD. MANHOLES (TYPE III)	2 EA.
30" RCP	141 LF
18" RCP	60 LF
24" RCP	131 LF

LAS VEGAS VALLEY WATER DISTRICT STANDARD NOTES

1. No work shall begin until the water plans have been released for construction by the LVVWD. Following water plan approval, 48 hour notice shall be given to the LVVWD Customer Service Department (258-7171) prior to the start of construction. Notice must be given by 2:00 p.m. the business day prior to a LVVWD inspection.
2. All work shall conform to LVVWD Standard Plans, Drawings, and Specifications, latest edition.
3. 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 Office Improvement, Clark County Area.
4. A single pipe material shall be used throughout the project unless otherwise approved by the LVVWD.
5. All service laterals two (2) inches in diameter and smaller shall be copper tubing with LVVWD approved service saddles.
6. All water meter boxes shall be located outside of driveway areas.
7. All valves shall be located outside of driveways, valley and curb gutters.
8. The following requirements must be met in the event a water line and sanitary or storm sewer line cross:
a. Minimum eighteen (18) inch 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, if a sanitary or storm sewer line must be constructed with one of the following or, as shown on these plans:
b. Potable Water supply quality material.
c. Encasement, with four (4) inch concrete (minimum) sleeve with potable water supply quality pipe.
Each provision must extend along the sanitary or storm sewer, on either side of the main, a minimum 10 foot distance perpendicular to the water main exterior.
9. Warning tape shall be required over all mains, all six (6) inch diameter and larger service laterals, and any service lateral not installed perpendicular to the main in accordance with Standard Plate No. 27.
10. All water facilities shall be filled, disinfected, pressure tested, flushed, filled and an acceptable water sample obtained, prior to connection to the LVVWD's distribution system.
11. The contractor must obtain all meters two (2) inches and smaller from LVVWD Central Stores. Telephone 258-3152, forty-eight (48) hours prior to pickup.
12. Construction may interrupt service, with LVVWD approval and proper notification, between the hours of 10 PM and 6 AM, Sunday through Thursday. Circumstances may require temporary service feeds be installed, without LVVWD reimbursement. Any temporary service feed must have prior LVVWD approval.
13. All water facility construction materials used must be as listed on the LVVWD's Approved Materials and Manufacturers Listing for New Facilities, latest revision, or specifically approved on these plans.

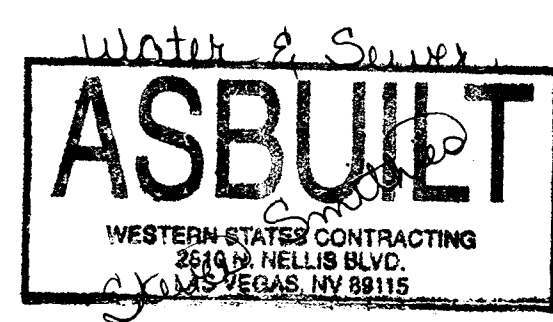
PROJECT NAME: WEST HILLS
P. 10, 11 & 7
This project water plan complies with the Las Vegas Valley Water District's technical requirements. However, this water plan is NOT APPROVED FOR CONSTRUCTION at this time and this signature does not provide or imply a water commitment.

APPROVAL: *[Signature]* 11/31/94
LAS VEGAS VALLEY WATER DISTRICT
DATE

[Signature] 1-23-94
CITY OF LAS VEGAS FIRE MARSHALL
DATE

[Signature] 9-23-94
NEVADA POWER COMPANY
DATE

NEVADA POWER COMPANY APPROVAL IS ONLY FOR THE
PLACEMENT AND CLEARANCE OF STREET LIGHT AND
SIGNAL LIGHT INSTALLATION.

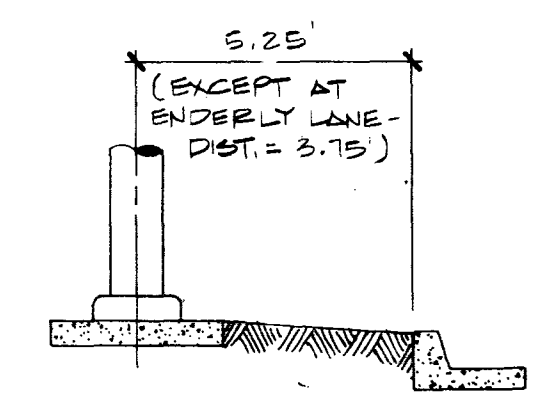


SEWER CONTRIBUTION
AVERAGE 0.0350 M.G.D.
PEAK 0.0500 M.G.D.

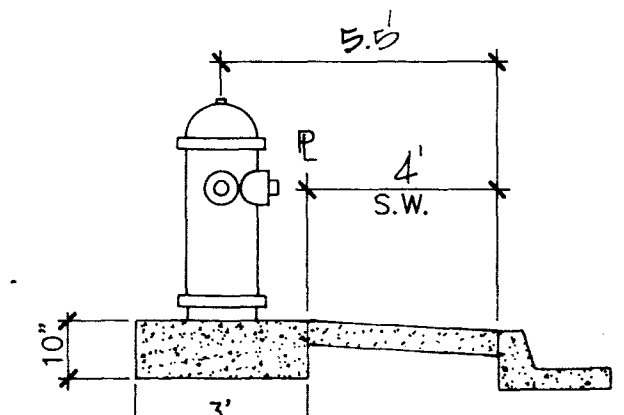
LAS VEGAS FIRE DEPARTMENT
FIRE FLOW REQUIREMENT IS 1500 GALLONS/MIN. AT
20 LBS./SQ. IN. RESIDUAL.

BASED ON:
SQUARE FOOTAGE: 2100 S.F.
LARGEST AREA BETWEEN SEPERATION WALLS: N/A
HEIGHT: N/A
TYPE OF CONSTRUCTION: TYPE II - N
EXPOSURES: N/A
SPRINKLER SYSTEM: NONE
OCCUPANCY: SINGLE FAMILY
ROOF CONSTRUCTION: T.E
REVIEWED BY:
DATE:
PROVIDE FIRE LANE IDENTIFICATION PER CITY ORD. 3677

NOTE: FOR VICINITY MAP, ADPT.
NOTES, ETC., SEE SHEET 11.



STREET LIGHT DETAIL



FIRE HYDRANT DETAIL

BENCHMARK
2" BRASS CAP #42
CONTROL POINT "SPANKY"
AS PER G.C. WALLACE
ELEV. = 2825.38

Call
before you
Dig
1-800-227-2800

KAUFMAN & BROAD OF NEVADA
CITY OF LAS VEGAS

CONSULTING ENGINEERS • PLANNERS • LAND SURVEYORS
2727 SOUTH RAINBOW BOULEVARD
LAS VEGAS, NEVADA 89102-5148 PHONE (702) 873-7550 FAX (702) 362-2597

vtm nevada

MASTER UTILITY PLAN

WEST HILLS

PROJECT

SEAL

U. 20.94

PROJECT NAME: WEST HILLS
P. 10, 11 & 7
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 and this signature does not provide or imply a water commitment.

APPROVAL: *[Signature]* 11/31/94
LAS VEGAS VALLEY WATER DISTRICT
DATE

[Signature] 1-23-94
CITY OF LAS VEGAS FIRE MARSHALL
DATE

[Signature] 9-23-94
NEVADA POWER COMPANY
DATE

NEVADA POWER COMPANY APPROVAL IS ONLY FOR THE
PLACEMENT AND CLEARANCE OF STREET LIGHT AND
SIGNAL LIGHT INSTALLATION.

WD NO. 4652
BY JM/WJR
DATE MAY, '94
SCALE 1"= 40'
SHEET 10 OF 17 SHEETS

