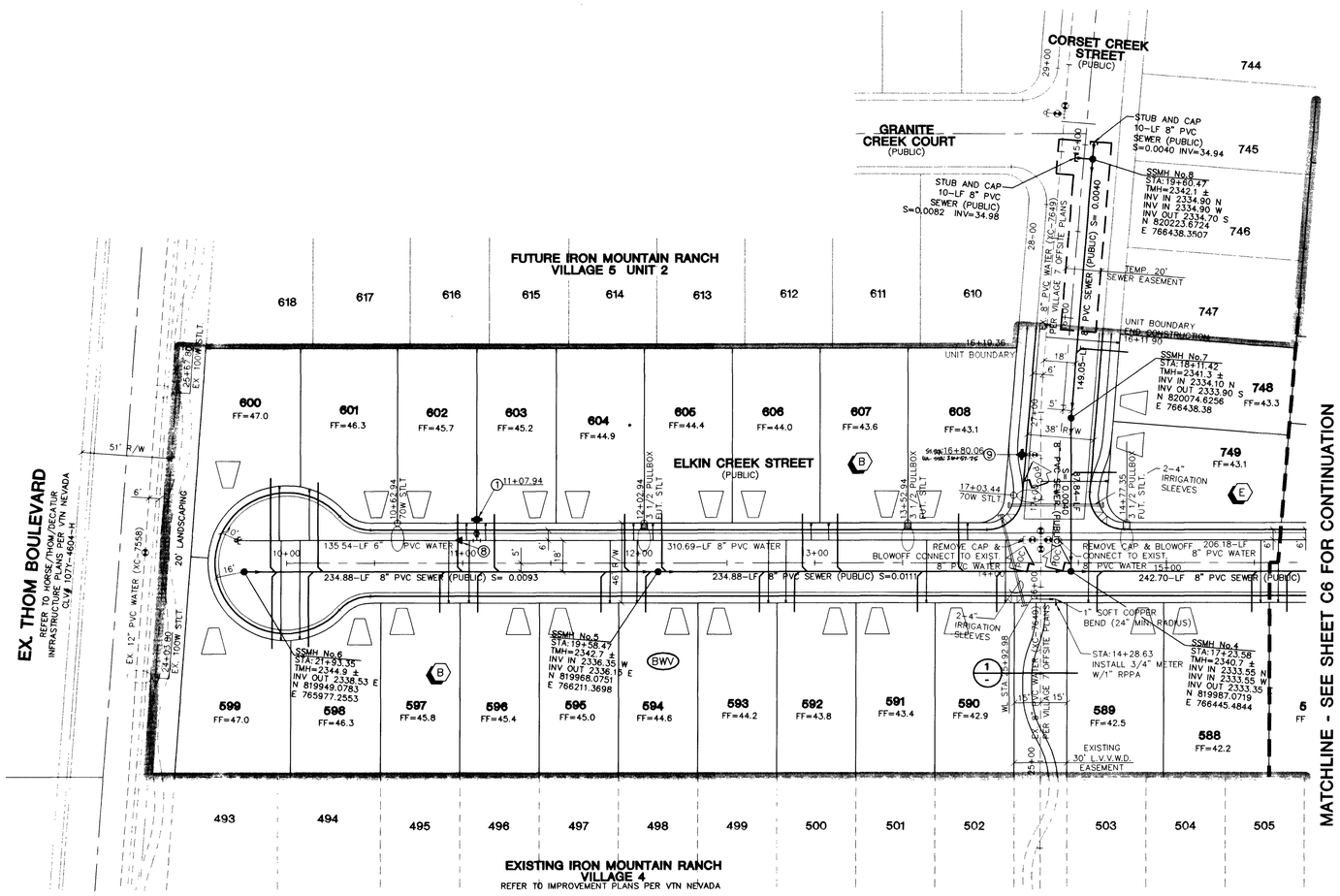
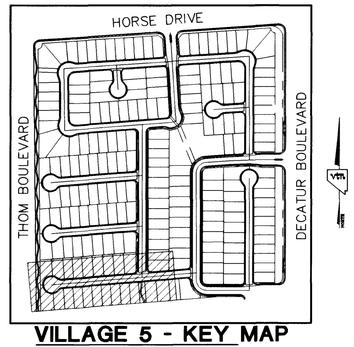




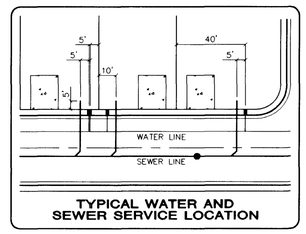
VILLAGE 5 - KEY MAP

NOT TO SCALE

NORTH

PROJECT NAME: Iron Mtn. Rch. Village 5 Unit 1
Project # 2820
This project water plan complies with the Las Vegas Valley Water District's technical requirements. However, this water plan is
(SHEET 1 OF 5)
NOT APPROVED FOR CONSTRUCTION
at this time and this signature does not provide or imply a water commitment.

Gary Lamp 11/12/02
LVVWD DATE
#52



TYPICAL WATER AND SEWER SERVICE LOCATION

GRAPHIC SCALE

1" = 40'

LEGEND

WATER

- ① FIRE HYDRANT ASSEMBLY..... 5 EA. INCLUDING: 8"X6" TEE, 6" GV (PER UDACS PLATE No. 7)
- ② 8" GATE VALVE.....11 EA.
- ③ 8"x 8" TEE .....3 EA.
- ④ 8" 45° ELBOW.....3 EA.
- ⑤ 8" 22.5° ELBOW.....3 EA.
- ⑥ 8" 11.25° ELBOW.....1 EA.
- ⑦ CAP W/ 2" B.O. ASSEMBLY.....3 EA. (PER UDACS PLATE No. 4)
- ⑧ 8" x 6" REDUCER.....3 EA.
- ⑨ FIRE HYDRANT ASSEMBLY.....1 EA. ON EXISTING: 8"X6" TEE, 6" GV (PER UDACS PLATE No. 7)
- 1" SERVICE W/ 5/8" METER ..... 69 EA. (PER UDACS PLATE 1B)
- 3/4" METER W/ 1" RPPA.....1 EA. (PER UDACS PLATE 1D & 11A)
- 8" WATER MAIN.....2,451 LF
- 6" WATER MAIN.....277 LF

SEWER

- STANDARD MANHOLE (PUBLIC).....14 EA.
- 4" SEWER LATERALS (PRIVATE)..2,313 LF
- 4" SEWER WYES (PRIVATE).....71 EA.
- BWV BACKWATER VALVES (PRIVATE) .....1 EA.
- 8" SEWER MAIN (PUBLIC).....2,589 LF

SEWER CONTRIBUTION (BASED ON 69 LOTS)

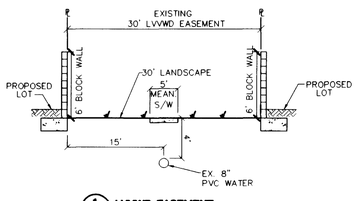
AVERAGE DAILY FLOW = 0.0175 MGD.
PEAK FLOW (PF=3.5)= 0.6125 MGD.

DRIVEWAY LOCATION (SCHEMATIC)

POINT OF CONNECTION

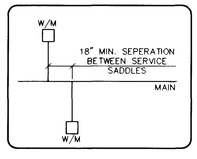
DISCLAIMER NOTE

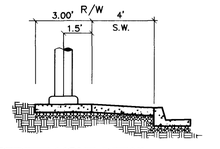
UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UNDERGROUND AND OVERHEAD UTILITIES PRIOR TO COMMENCING CONSTRUCTION. NO REPRESENTATION IS MADE THAT ALL EXISTING UTILITIES ARE SHOWN HEREON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN OR UTILITIES NOT SHOWN IN THEIR PROPER LOCATION.



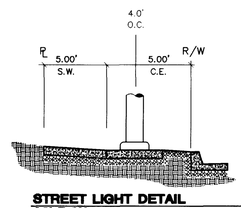
1 LVVWD EASEMENT (N.T.S.)

SERVICE LATERALS FOR LOTS: 748, 749, & IRRIGATION METER IN COMMON LOT WILL BE TAPPED ON EXISTING MAIN BY OWNER'S CONTRACTOR UNDER DIRECTION OF THE LVVWD.

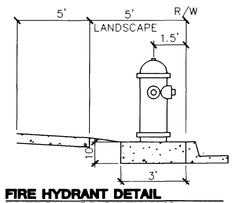




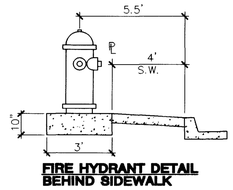
STREET LIGHT DETAIL 46' R/W N.T.S.



STREET LIGHT DETAIL 38' R/W N.T.S.



FIRE HYDRANT DETAIL IN FRONT OF SIDEWALK N.T.S.



FIRE HYDRANT DETAIL BEHIND SIDEWALK

ALL LOTS

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. PRV's ARE THE DEVELOPER'S RESPONSIBILITY AND WILL NOT BE INSPECTED OR INCLUDED IN THE ACCEPTANCE OF LVVWD FACILITIES.

REDUCED PRESSURE PRINCIPLE ASSEMBLY (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 SHALL BE DESIGNED AND CONSTRUCTED AROUND THE OUTSIDE OF THE EASEMENT(S) TO ALLOW THE DISTRICT DIRECT ACCESS FROM THE ADJACENT RIGHT-OF-WAY.

PROJECT BENCHMARK

PROJECT DATUM: NAVD88

(OLD) CITY OF LAS VEGAS BENCHMARK 1LV90-13NES
NAVD88 ELEVATION: 710.9608 METERS (2332.54 FEET)
PROJECT DESIGNED USING OLD BENCHMARK

(NEW) CITY OF LAS VEGAS BENCHMARK 1LV90-13NES
NAVD88 ELEVATION: 710.9181 METERS (2332.40 FEET)

(-0.14 FEET) TO GET NEW PUBLISHED DATUM

CNLV BM 413148, NAVD 88 ELEV=710.953 METERS (2332.52 FEET) 1" DIAMETER CONCRETE MONUMENT 77 FEET SOUTH & 54 FEET WEST OF N.E. CORNER SEC. 13T19R60E 10' EAST OF LARGE POWER POLE.

BASIS OF BEARINGS

THE BASIS OF BEARINGS FOR THIS PROJECT IS GRID NORTH AS DEFINED BY THE NEVADA COORDINATE SYSTEM OF 1983 (NCS83), EAST ZONE (2701), DETERMINED BY CLARK COUNTY GIS CONTROL POINTS 802, 803, 804 AND 805, AS SHOWN ON A RECORD OF SURVEY ON FILE IN THE CLARK COUNTY, NEVADA, RECORDER'S OFFICE, IN BOOK 88 OF SURVEYS, AT PAGE 53.

NOTE:
ALL MH STATIONING IS BASED ON SEWER LENGTHS FROM MANHOLE TO MANHOLE. ALL MANHOLES ARE 60" SIZE MANHOLES PER STD. DWG #SD-1. UNLESS OTHERWISE SPECIFIED.

Avoid overhead power line contact. It's costly.
Call before you Overhead
1-702-593-6111

Avoid cutting underground utility lines. It's costly.
Call before you Dig
1-800-227-2600

LAS VEGAS FIRE DEPARTMENT

FIRE FLOW REQUIREMENT IS 1,500 GALLONS/MIN. AT 20 LBS./SQ.IN. RESIDUAL.

BASED ON:

SQUARE FOOTAGE: 2600
LARGEST AREA BETWEEN SEPERATION WALLS:
HEIGHT: 2 STORY
TYPE OF CONSTRUCTION:
EXPOSURES: 10' MIN.
SPRINKLER SYSTEM: NONE
OCCUPANCY: SINGLE FAMILY RESIDENCE
ROOF CONSTRUCTION: CONCRETE TILE

REVIEWED BY:

DATE: 10/31/02
PROVIDE FIRE LANE IDENTIFICATION PER CITY ORD. 3677

APPROVAL:

LAS VEGAS VALLEY WATER DISTRICT 11/19/02 DATE

CITY OF LAS VEGAS FIRE MARSHAL 10/31/02 DATE

NEVADA POWER COMPANY 11-1-02 DATE

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

REV	DATE	BY	REVISION
1			
2			
3			
4			
5			
6			
7			

CITY OF LAS VEGAS

KB HOME
750 PILOT ROAD, SUITE F
LAS VEGAS, NV 89119
(702) 614-2500

vtn nevada
2727 SOUTH RAINBOW BOULEVARD LAS VEGAS, NEVADA 89146-5148
PH. (702) 873-7550 FAX (702) 362-2597
CONSULTING ENGINEERS ● PLANNERS ● LAND SURVEYORS

MASTER UTILITY PLAN

IRON MOUNTAIN RANCH VILLAGE 5 UNIT 1

DRAWN BY: RMS — JUNE '02
DESIGNED BY: RMS — JUNE '02
CHECKED BY: KFN — JUNE '02
PROJECT NO: 5919-1 — SCALE: 1"=40' HORZ. N/A VERT.

PROFESSIONAL ENGINEER STATE OF NEVADA KENNETH F. NICHOLSON No. 10539 CIVIL
EXPIRES 12-31-03

SHEET C5
5 OF 23 SHEETS

DRAWING NO. 3077-4604-5-1

H:\3407\VILLAGES\UNIT1\5919UT01.DWG(C5)

4198