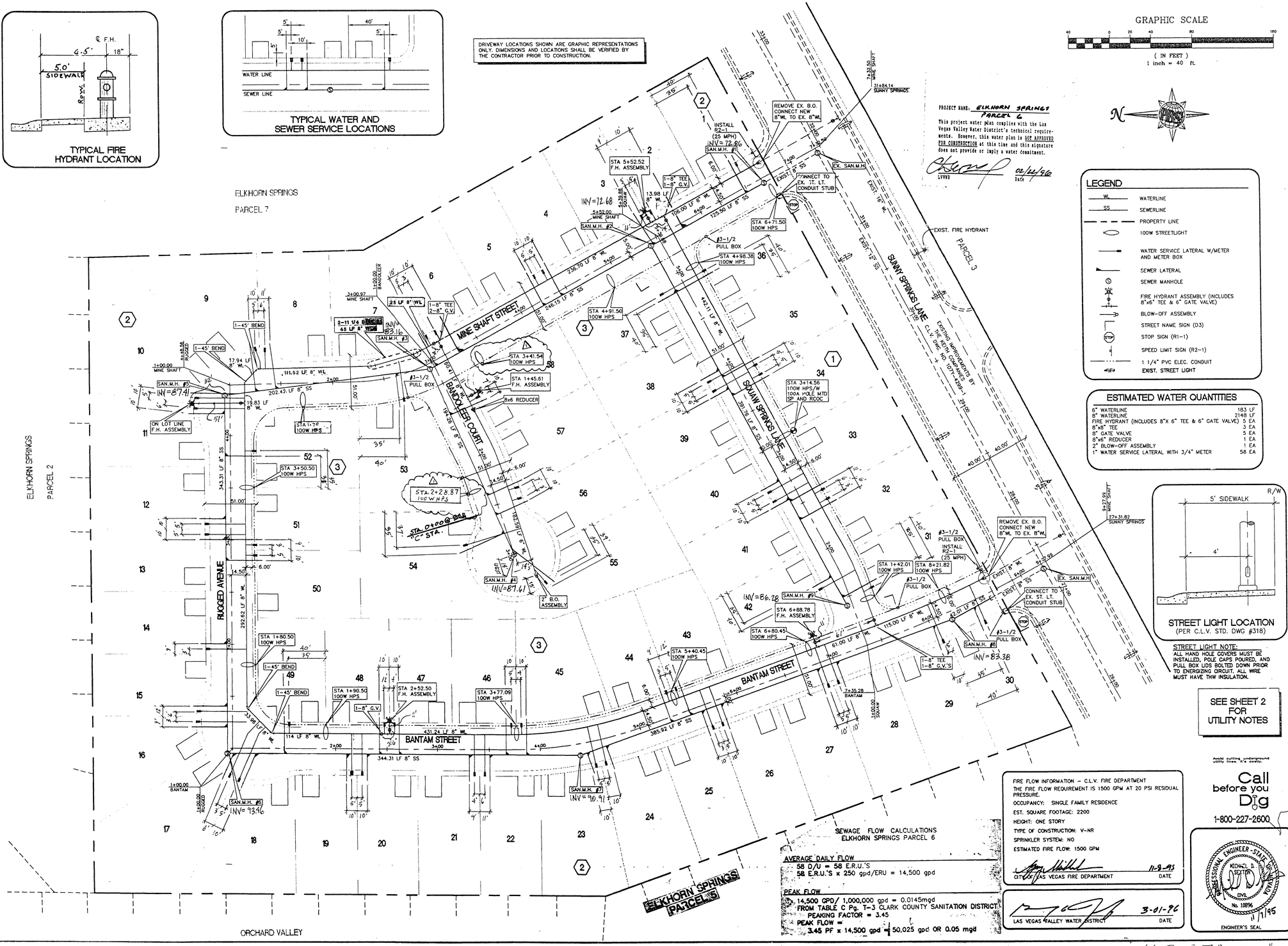
TYPICAL FIRE HYDRANT LOCATION

TYPICAL WATER AND SEWER SERVICE LOCATIONS

DRIVEWAY LOCATIONS SHOWN ARE GRAPHIC REPRESENTATIONS ONLY. DIMENSIONS AND LOCATIONS SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.



PROJECT NAME: ELKHORN SPRINGS PARCEL 6

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.

LVVWD 02/22/96 Date

LEGEND

- WL — WATERLINE
- SS — SEWERLINE
- PROPERTY LINE
- 100W STREETLIGHT
- WATER SERVICE LATERAL W/METER AND METER BOX
- SEWER LATERAL
- SEWER MANHOLE
- FIRE HYDRANT ASSEMBLY (INCLUDES 8"x6" TEE & 6" GATE VALVE)
- BLOW-OFF ASSEMBLY
- STREET NAME SIGN (D3)
- STOP SIGN (R1-1)
- SPEED LIMIT SIGN (R2-1)
- 1 1/4" PVC ELEC. CONDUIT
- EXIST. STREET LIGHT

ESTIMATED WATER QUANTITIES

6" WATERLINE	183 LF
8" WATERLINE	2148 LF
FIRE HYDRANT (INCLUDES 8"X 6" TEE & 6" GATE VALVE)	5 EA
8"x8" TEE	3 EA
8" GATE VALVE	5 EA
8"x6" REDUCER	1 EA
2" BLOW-OFF ASSEMBLY	1 EA
1" WATER SERVICE LATERAL WITH 3/4" METER	58 EA

STREET LIGHT LOCATION
(PER C.L.V. STD. DWG #318)

STREET LIGHT NOTE:
ALL HAND HOLE COVERS MUST BE INSTALLED, POLE CAPS POURED, AND PULL BOX LIDS BOLTED DOWN PRIOR TO ENERGIZING CIRCUIT. ALL WIRE MUST HAVE THW INSULATION.

SEE SHEET 2 FOR UTILITY NOTES

SEWAGE FLOW CALCULATIONS
ELKHORN SPRINGS PARCEL 6

AVERAGE DAILY FLOW
58 D/U = 58 E.R.U.'S
58 E.R.U.'S x 250 gpd/ERU = 14,500 gpd

PEAK FLOW
14,500 GPD/ 1,000,000 gpd = 0.0145mgd
FROM TABLE C Pg. T-3 CLARK COUNTY SANITATION DISTRICT
PEAKING FACTOR = 3.45
PEAK FLOW =
3.45 PF x 14,500 gpd = 50,025 gpd OR 0.05 mgd

FIRE FLOW INFORMATION – C.L.V. FIRE DEPARTMENT
THE FIRE FLOW REQUIREMENT IS 1500 GPM AT 20 PSI RESIDUAL PRESSURE.
OCCUPANCY: SINGLE FAMILY RESIDENCE
EST. SQUARE FOOTAGE: 2200
HEIGHT: ONE STORY
TYPE OF CONSTRUCTION: V-NR
SPRINKLER SYSTEM: NO
ESTIMATED FIRE FLOW: 1500 GPM

11-9-95
CITY OF LAS VEGAS FIRE DEPARTMENT DATE

3-01-96
LAS VEGAS VALLEY WATER DISTRICT DATE

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

PROFESSIONAL ENGINEER - STATE OF NEVADA
MICHAEL D. DYER
No. 10896
11/7/95
ENGINEER'S SEAL

No.	REVISIONS	Date	Init.	Appr.	Date
1	REVISED STREETLIGHTS PER C.L.V.	11/15/95	T.L.K.		1/18/96

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ELKHORN SPRINGS

ELKHORN SPRINGS
PARCEL 6
UTILITY PLAN
(AS BUILTS)

Drawn by	PM	Scale	1" =40'
Checked by	MDS	File No.	848MP
Date	NOV 6, 1995		
Job-Number	5848	Sheet Number	4 OF 8

PLOT DATE: NOV 95
DRAWING 848-04

848-04 P.B.S. & J. - RICK

11-7-27 "As-Built" 307Y-4299-6