

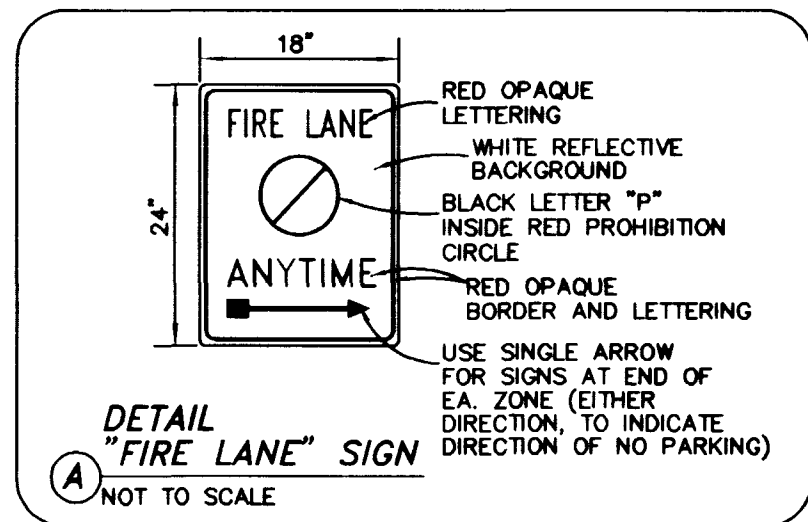
CURBS PAINTED RED SHALL HAVE THE WORDS "NO PARKING FIRE LANE" EVERY 50 LINEAR FEET. WORDS ON CURB SHALL BE PAINTED IN WHITE BLOCK LETTERS AT LEAST 4" IN HEIGHT WITH A STROKE OF NOT LESS THAN 3/4". DRIVEWAYS WILL NOT BE PAINTED.

FIRE LANE SIGN (AS SHOWN)

FIRE LANE - CURBS SHALL BE PAINTED RED

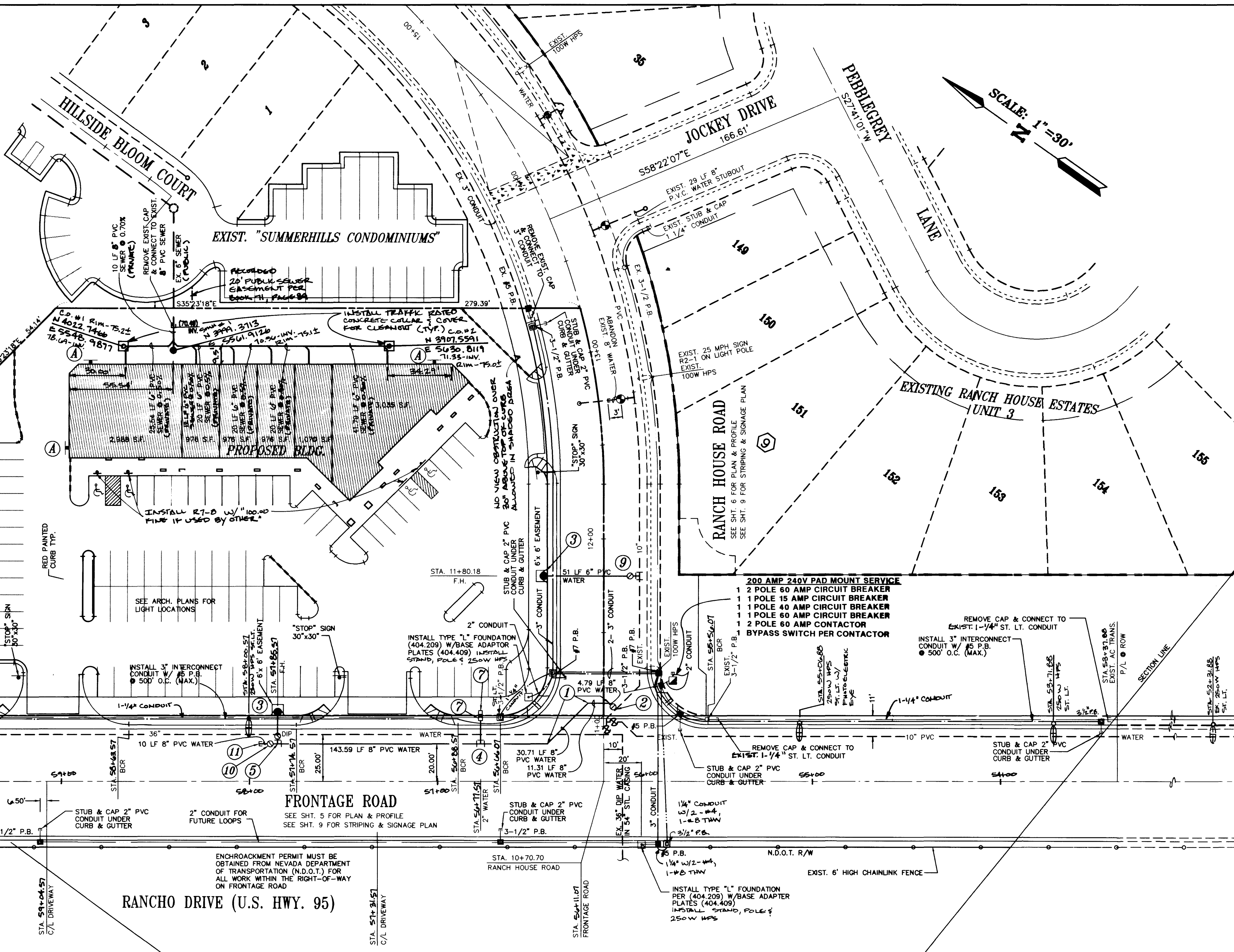
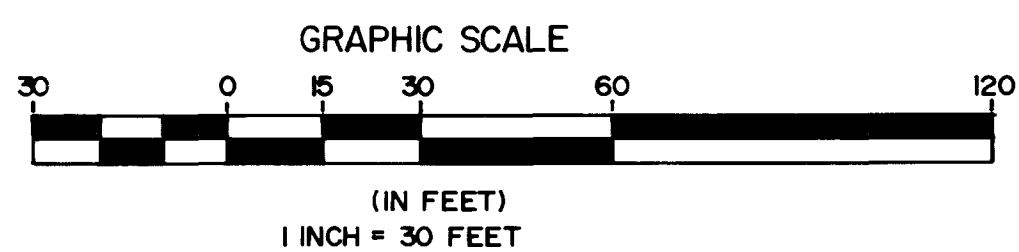
FIRE HYDRANT

Call before you Dig
1-800-227-2600
UNDERGROUND SERVICE (USA)



SEWER CONTRIBUTION

AVERAGE DAY = .0015 MGD
PEAK FLOW = .006 MGD



QUANTITY ESTIMATE

2" CONDUIT	735 LF
3" CONDUIT	234 LF
250W STREET LIGHT	3 EA
6" PVC SEWER	10 LF
4" PVC SEWER	200 LF
4" DIA. MANHOLE	1 EA
SEWER CLEAN OUT	2 EA
8" PVC WATER	190 LF
6" WATER	51 LF
8" 45° BEND	3 EA
10"x 8" MJ TAPPING SLEEVE & VALVE	1 EA
STD. F.H. W/ 6" G.V.	2 EA
2" SERVICE SADDLE	1 EA
8"x 6" TEE	1 EA
2" WATER METER W/ R.P.P.A. ASSEMBLY (PER L.V.V.W.D. STD. PLATE NO. 11B&1D)	1 EA
10"x 6" TAPPING SLEEVE & VALVE	1 EA
8" GATE VALVE	1 EA
8" CAP W/BLOW-OFF	1 EA
REQUIRED FIRE FLOW	2750 G.P.M.

NOTE: THESE QUANTITIES ARE ONLY ESTIMATES. CONTRACTOR TO VERIFY.

SEE SHT. 8 FOR UTILITY NOTES

(1) 2" REDUCED PRESSURE PRINCIPLE ASSEMBLY

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.

ABANDONED VALVE CUT & CAP (8" GV)

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

THE CONTRACTOR SHALL CUT THE EXISTING PIPE 3 FEET ± BEYOND THE ABANDONMENT VALVE AND INSTALL A CAP, WHERE A JOINT OR COUPLING IN THE EXISTING PIPE IS UNCOVERED AT THE CUT AND CAP LOCATION, THE INSTALLATION OF A PLUG MAY BE PERMITTED WITH DISTRICT APPROVAL. THE CONTRACTOR SHALL INSTALL A CONCRETE THRUST BLOCK IN THE ACCORDANCE WITH THE PROVISIONS OF THE UDACS PLATE NO. 5 AT ALL CAP OR PLUG LOCATIONS.

PROJECT NAME: **RANCH HOUSE ESTATES COMMERCIAL - P.7+8.F.9**
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.

Eric C. Quirk 2-26-97
LVVWD DATE

NOTE:

EXISTING UTILITY LOCATIONS SHOWN HEREIN ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT VERTICAL AND HORIZONTAL LOCATION OF ALL EXISTING UNDERGROUND 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.

BASIS OF BEARINGS

THE BASIS OF BEARINGS FOR THIS MAP IS THE WESTERLY LINE OF THE NORTHWEST QUARTER (NW 1/4) OF SECTION 27, TOWNSHIP 19 SOUTH, RANGE 60 EAST, M.D.M., WHICH BEARS NORTH 00°55'40" EAST, AS SHOWN BY A MAP ON FILE IN THE OFFICE OF THE CLARK COUNTY, NEVADA, RECORDER, IN FILE 82, PAGE 15 OF MAPS.

APPROVAL

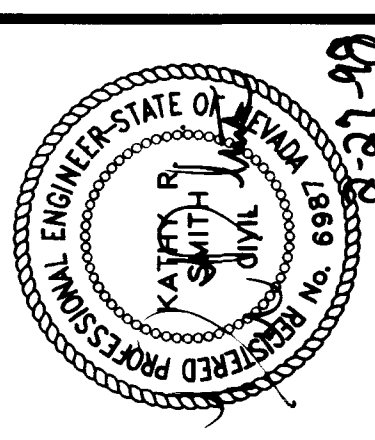
Eric C. Quirk (Signature)
LAS VEGAS VALLEY WATER DISTRICT
DATE: 2-27-97

Eric C. Quirk (Signature)
CLARK COUNTY FIRE DEPARTMENT
DATE: 2-28-97

Eric C. Quirk (Signature)
NEVADA POWER COMPANY
THIS APPROVAL IS ONLY FOR THE PLACEMENT AND CLEARANCE OF STREET LIGHT SIGNAL LIGHT INSTALLATION
DATE: 2-28-97

APPROVAL	REV	DATE	BY	REVISION
	1	12/7/95	ROCKY	MOVED FIRE HYDRANTS & REVISED ISLAND
	2	03/7/96	ROCKY	REVISIONS PER C.N.V.
	3	06/10/96	ROCKY	REVISIONS PER LVVWD.
	4	02/26/97	ROCKY	REVISIONS PER LVVWD.
	5	12/18/97	ROCKY	MISC. REV. PER CLV

UTILITY PLAN
RANCH HOUSE ESTATES
COMMERCIAL AREA



ENGINEERS AND SURVEYORS INC.	W.O. # : 924 B646
PLANNERS • CONSULTING ENGINEERS • SURVEYORS	BY : ROCKY
2548 WEST SHARAH AVENUE • LAS VEGAS, NEVADA 89117 • (702) 248-4415	DATE : 9/18/95
	SCALE : 1"=30'
	SHEETS
	7 OF 9
	SHEET

RDC
C:\WORKS\RANCH\COMMERCIAL\B646-UT
02/28/1997 08:31

