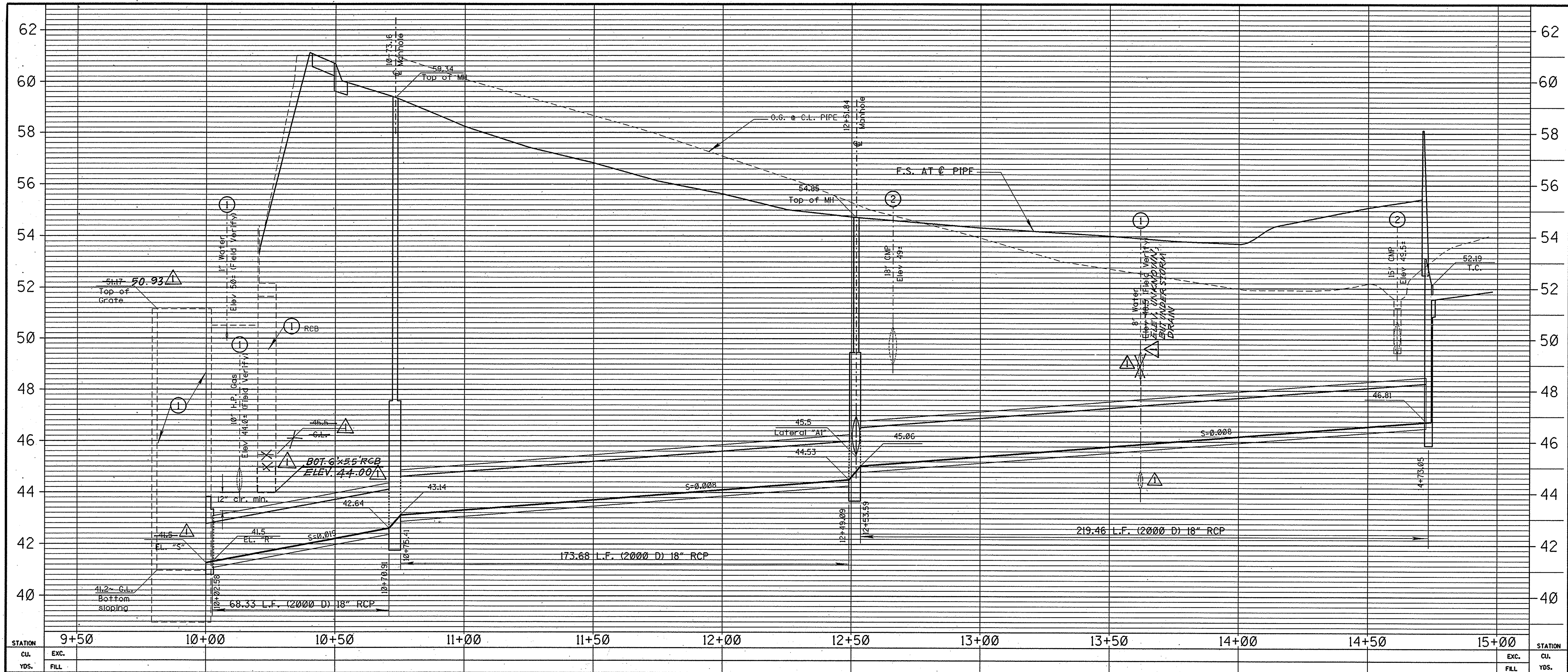




HYDRAULIC DATA **						
Station to Station	Q (cfs)	Dia. (In.)	n=	Sf (AVE)	Dc FT	
10+00 to 10+70.91	3.9	18	FULL	2.26	.00145	0.77
10+75.41 to 12+49.09	3.9	18	FULL	2.21	.00138	0.77
12+53.59 to 14+73.05	2.0	18	FULL	1.13	.00036	0.53
LINE A-1	1.9	18	0.22	11.70	.153	0.52

** BASED ON ASSUMED HYDRAULIC GRADE LINE OF 1 FOOT BELOW TOP OF GRATE WITHIN PUMP STATION BAY.

PROFILE
HORIZ. 1"= 20'
VERT. 1"= 2'

NOTE:
FOR CONSTRUCTION NOTES AND UTILITY LEGEND, SEE SHEET 13A.

- LEGEND**
- ① Protect in place
 - ② To be removed
 - ③ To be relocated by others
 - ④ Remove and salvage
 - ⑤ Sawcut
 - ⑥ Join existing and feather to satisfaction of Engineer.
 - ⑦ Remove interfering portions.
 - ⑧ Match exist. edge of pavement.
 - ⑨ Join existing
 - ⑩ Adjust to grade
 - ⑪ Relocate

CAUTION: A 10" HIGH PRESSURE GAS LINE RUNS PARALLEL AND BENEATH HARBOR BLVD. CONTRACTOR TO USE EXTREME CARE WHEN WORKING IN VICINITY OF THIS UTILITY.

1 1/2 0 1 2
3 inches on original drawing

BENCH MARK: IF 131 69
ABOUT 0.1 MI. NORTH ALONG HARBOR BLVD. FROM THE INT. OF WARNER AVE. TO THE CONCRETE BRIDGE OVERCROSSING OF THE SANTA ANA RIVER; SET IN THE TOP OF THE CONCRETE WALK OF THE SOUTHEAST CORNER OF BRIDGE, DIRECTLY UNDER THE 1934 SCRIBED IN BRIDGE, 10 INCHES HIGHER THAN THE BRIDGE DECK.

REVISIONS

MARK	DATE	DESCRIPTION
1	4/95	REVISE ELEV. AS SHOWN
4-93		Substitute shts 13A & B for sheet 13.

DESIGNED: J. RIGONI
DATE: 5-19-93
RCE 48526 (exp. 06-30-96)

ORANGE COUNTY ENVIRONMENTAL MANAGEMENT AGENCY
HARBOR BLVD. IMPROVEMENTS

LOCAL DRAINAGE
LINE "A" PROFILE

DESIGNED: J. RIGONI
SCALE: AS SHOWN
DATE: APR '93

CHECKED: BAH
DRAWING NO.
SHEET 13B OF 60

RECORD DRAWING