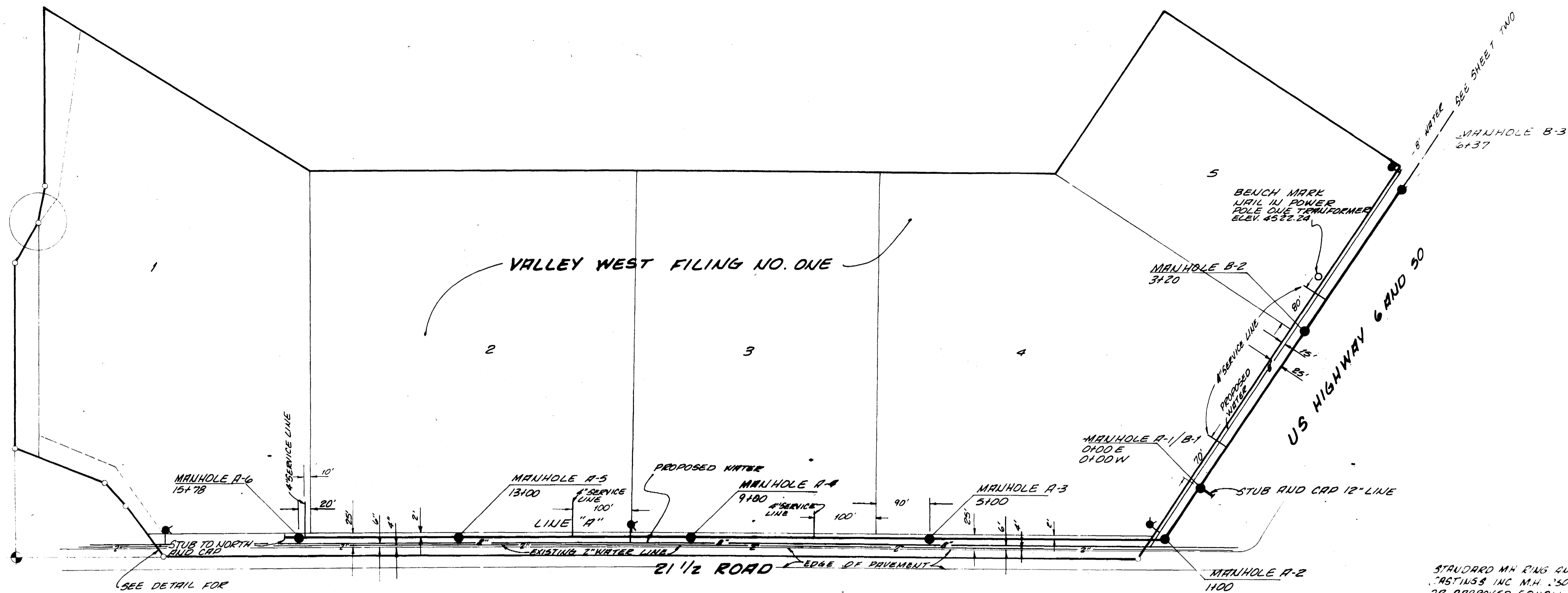


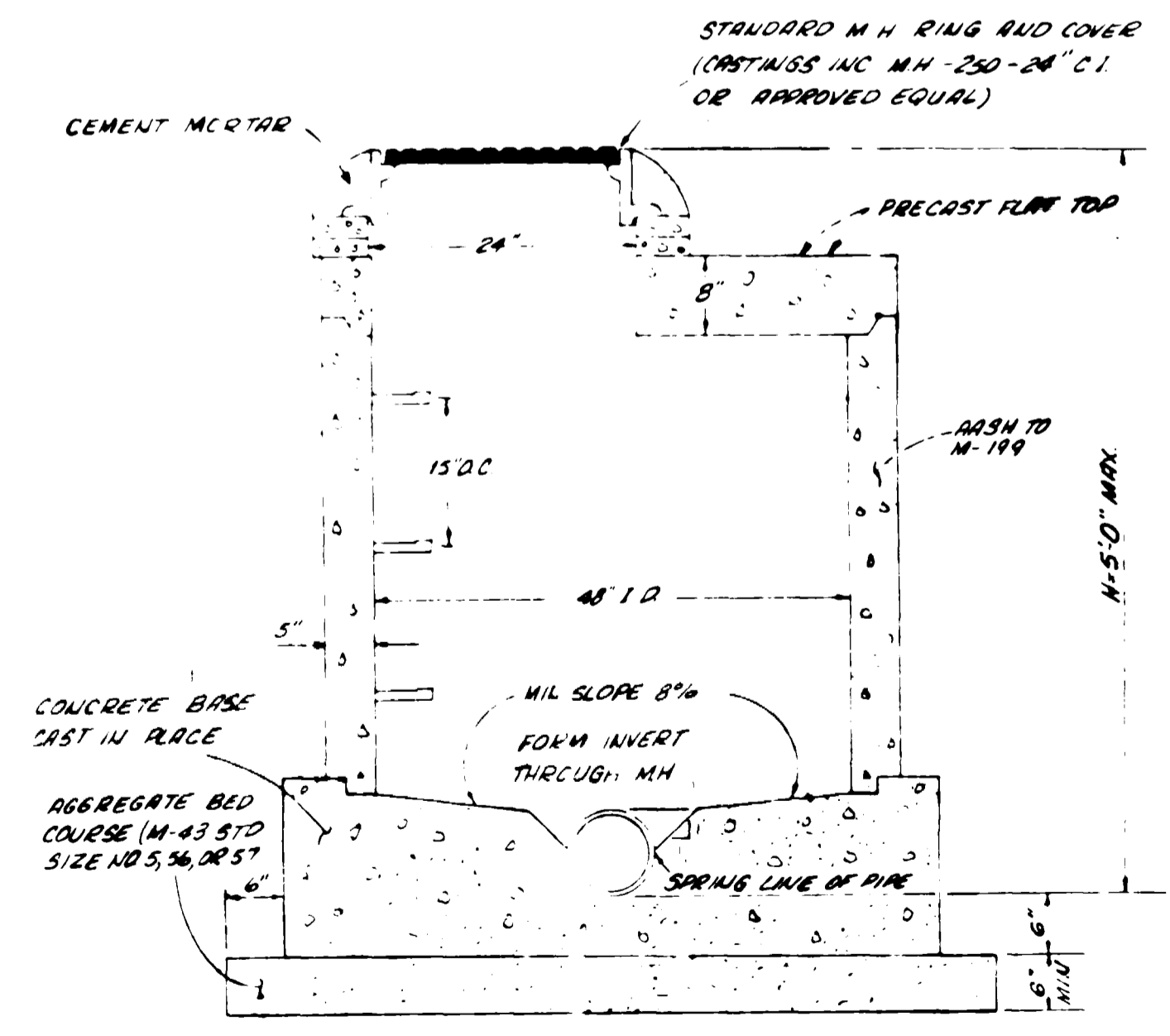
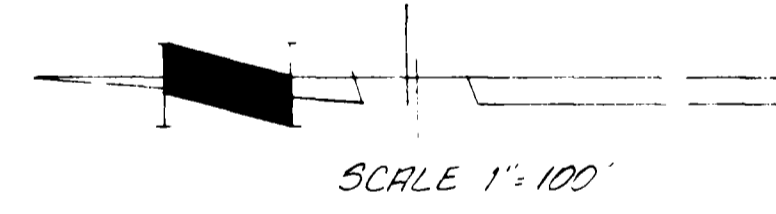
CHECKED
DATE
JUNE 1979
SCALE
1" = 100'

REVISIONS	BY

**PARAGON ENGINEERING, INC.**  
P.O. Box 2872  
Grand Junction, Colorado 81501 (303) 243-8966

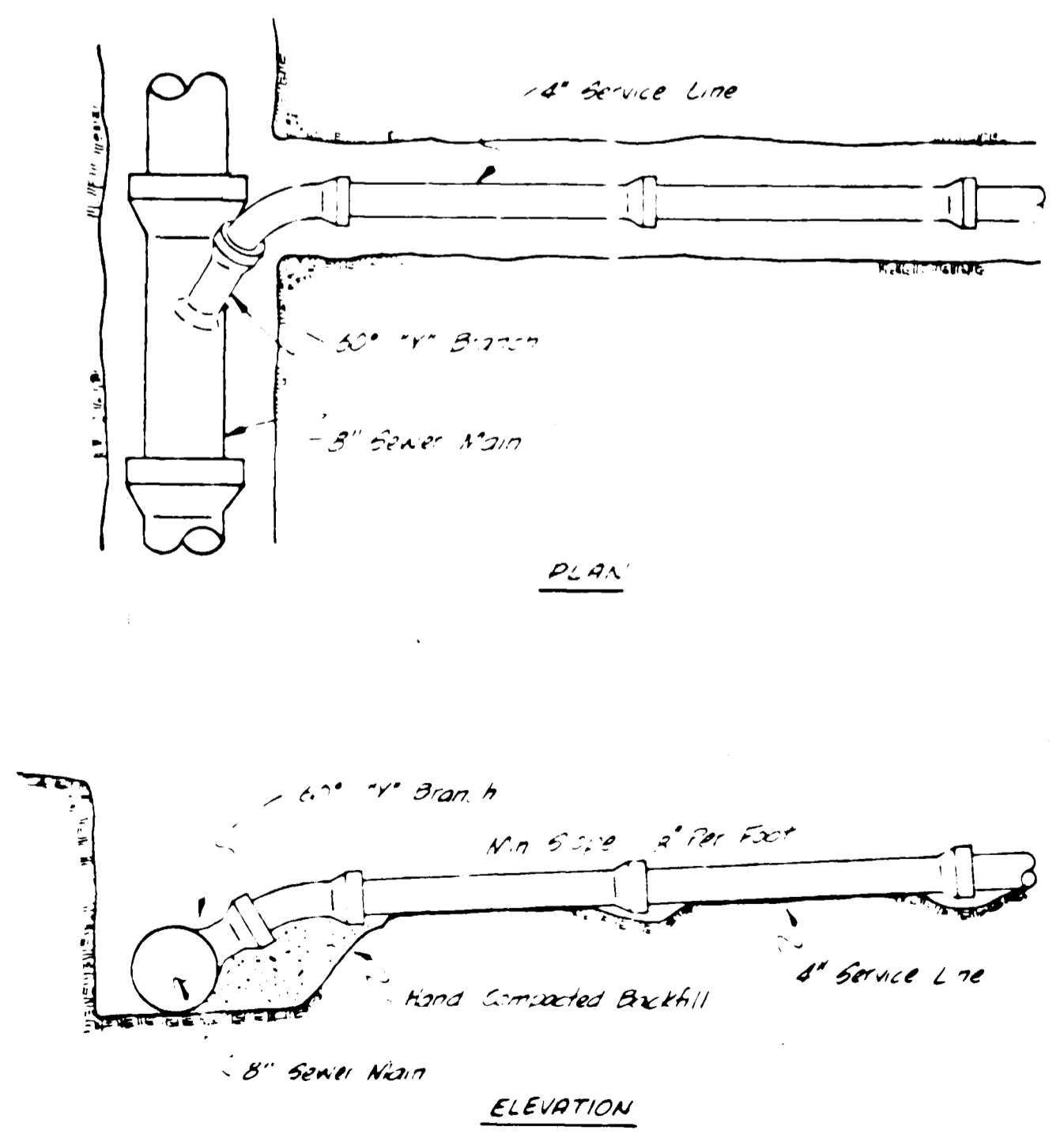


NOTE: PROPOSED 8" WATER TO BE TIED INTO EXISTING 2" MAIN AT NCR. 4 AND SOUTH. ALL FIRE HYDRANTS SHALL COME OFF OF 8" LINE

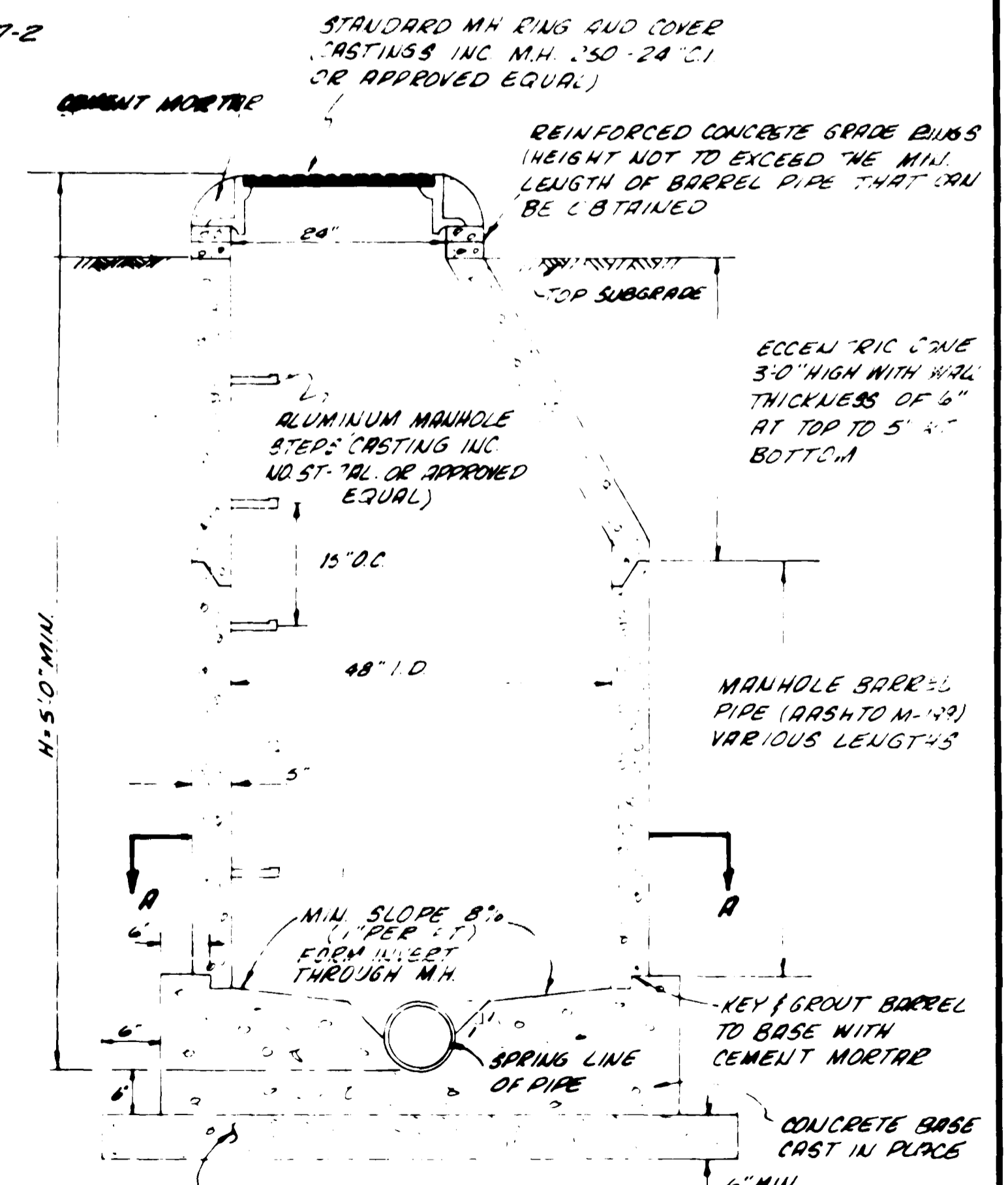


**STANDARD SHALLOW MANHOLE**

NOTE: ALL WATER FEEDS TO THE 12\"/>



**STANDARD SERVICE CONNECTION**  
No Scale



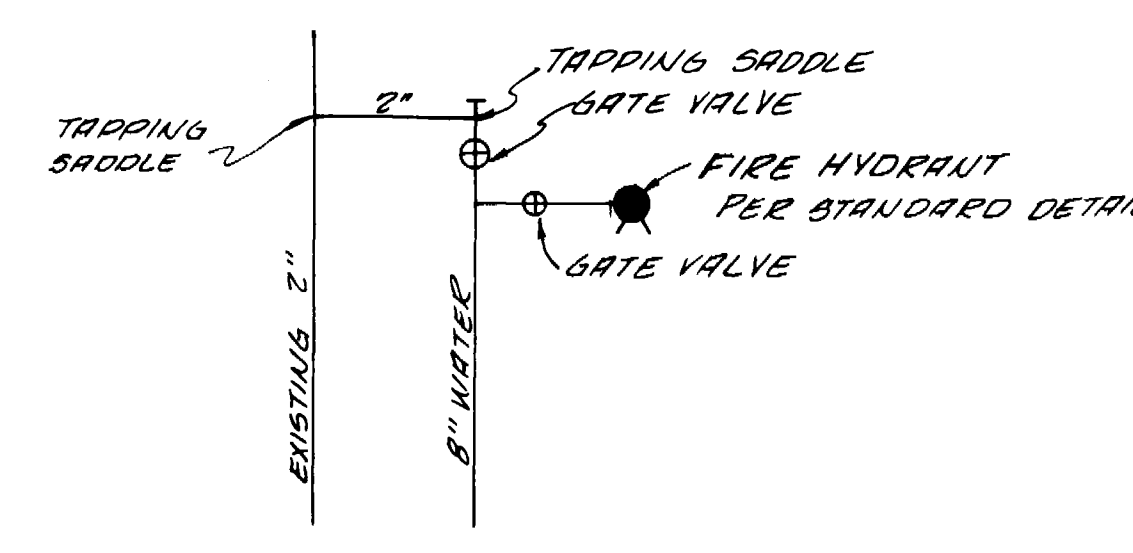
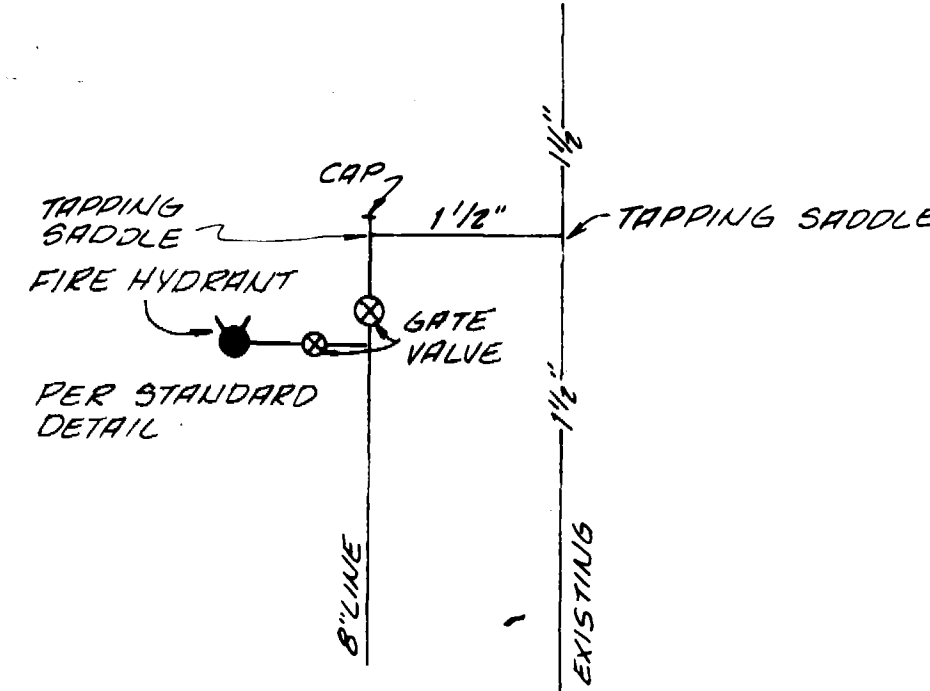
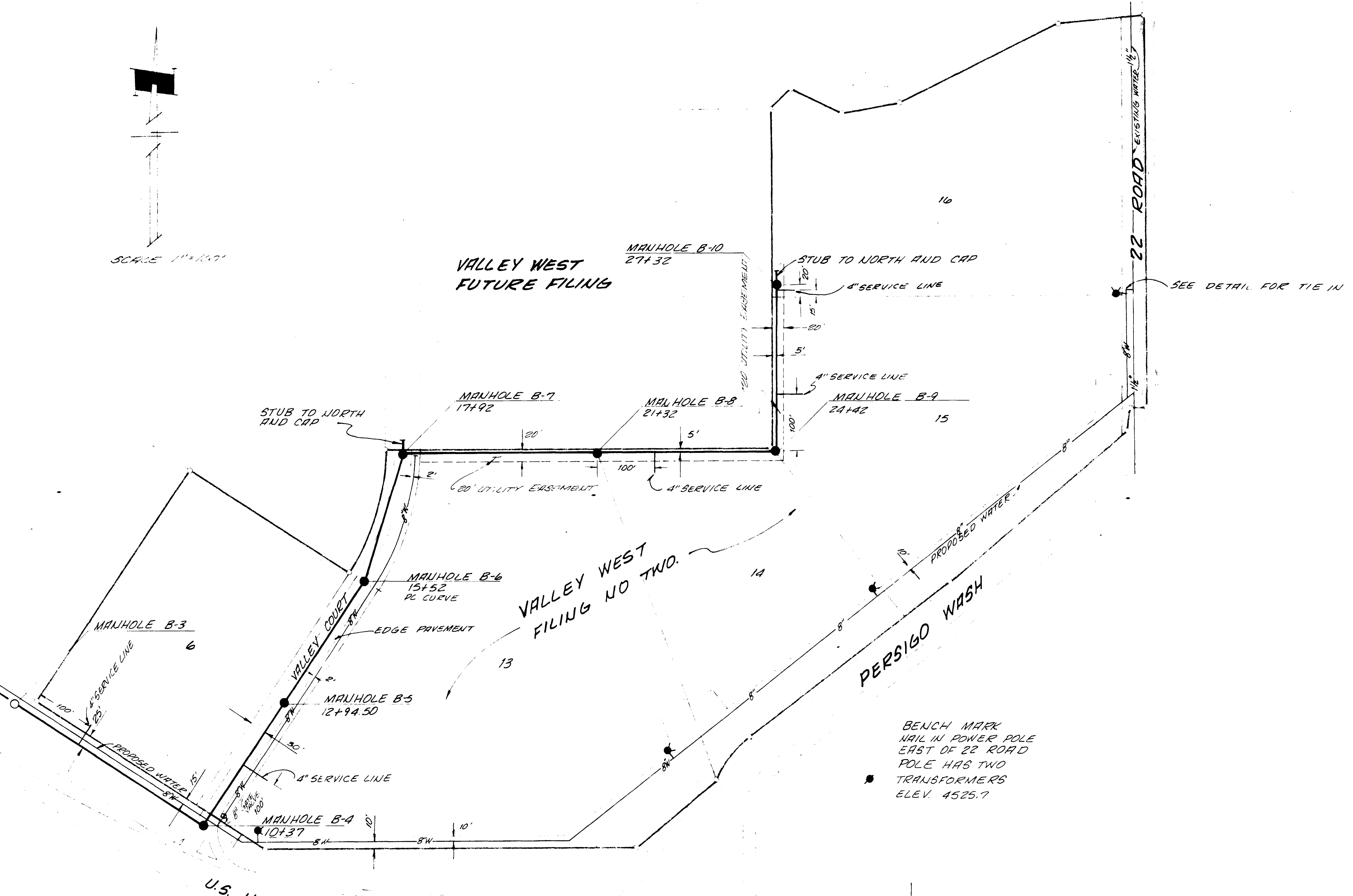
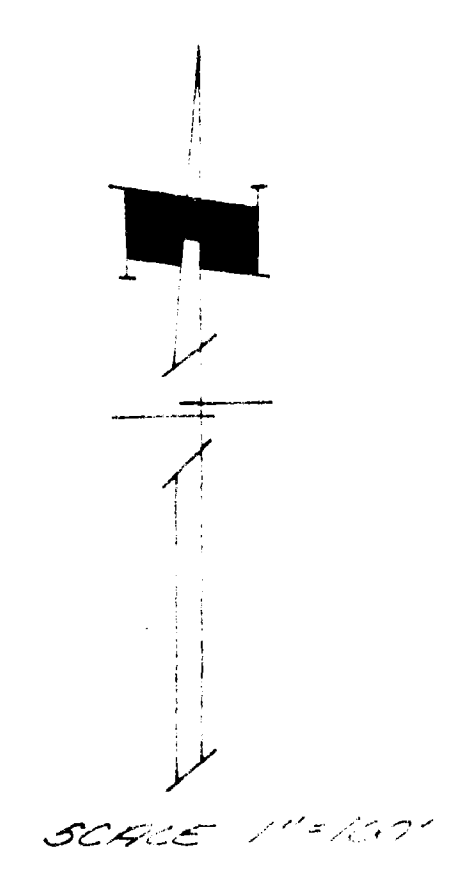
**STANDARD MANHOLE**

**AS BUILT DRAWINGS**



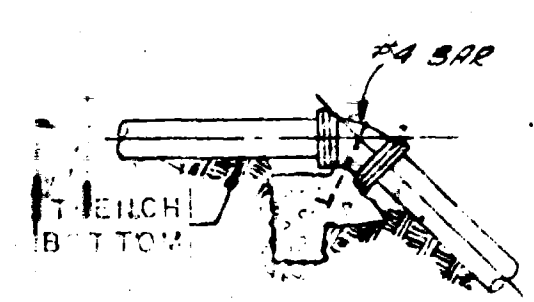
VALLEY WEST WATER AND SANITATION DISTRICT  
PLAN AND DETAILS

SHEET
1
OF 5 SHEETS



**TABLE OF BEARING AREAS IN SQ. FT. FOR CONCRETE THRUST BLOCKING**

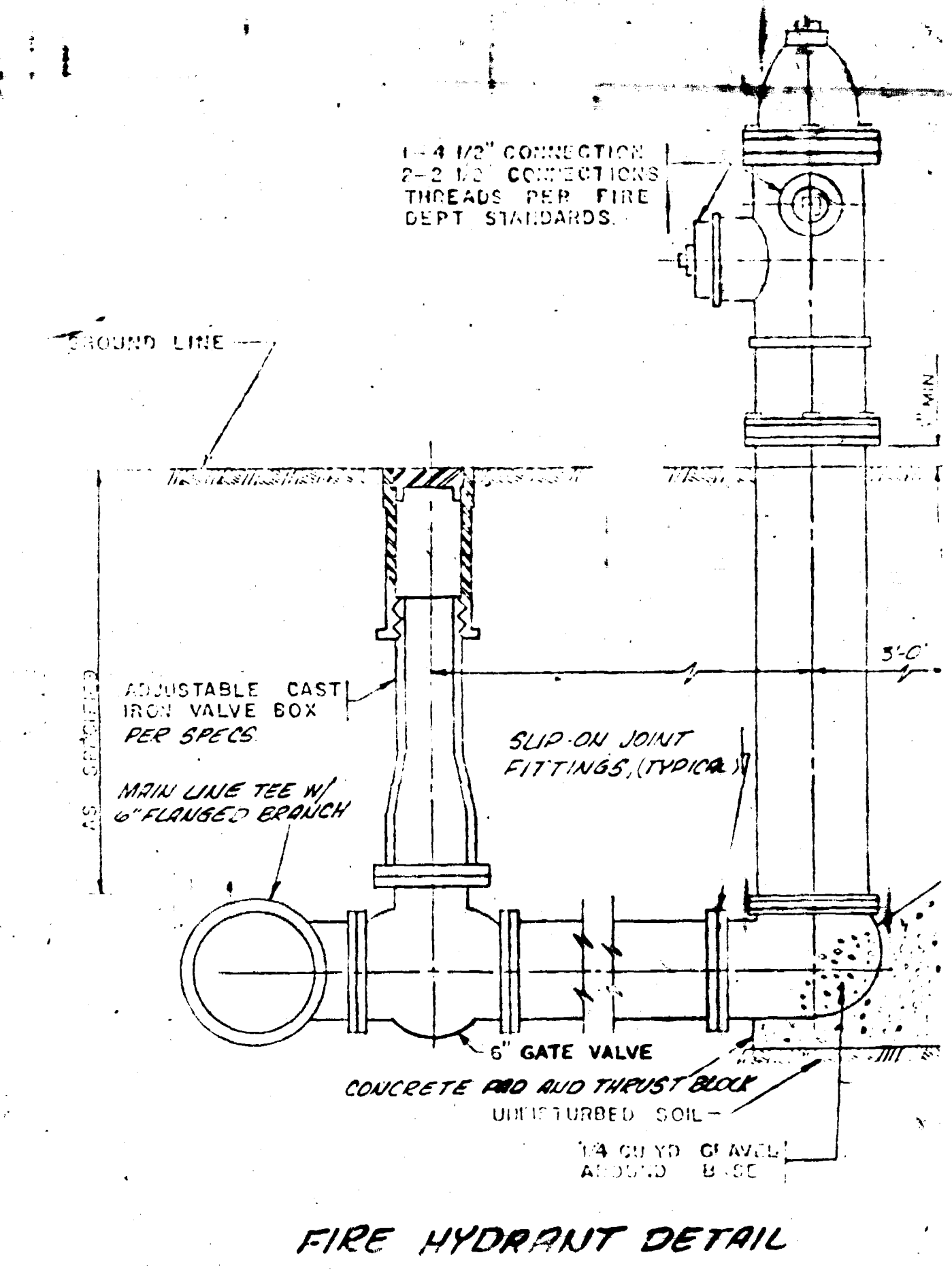
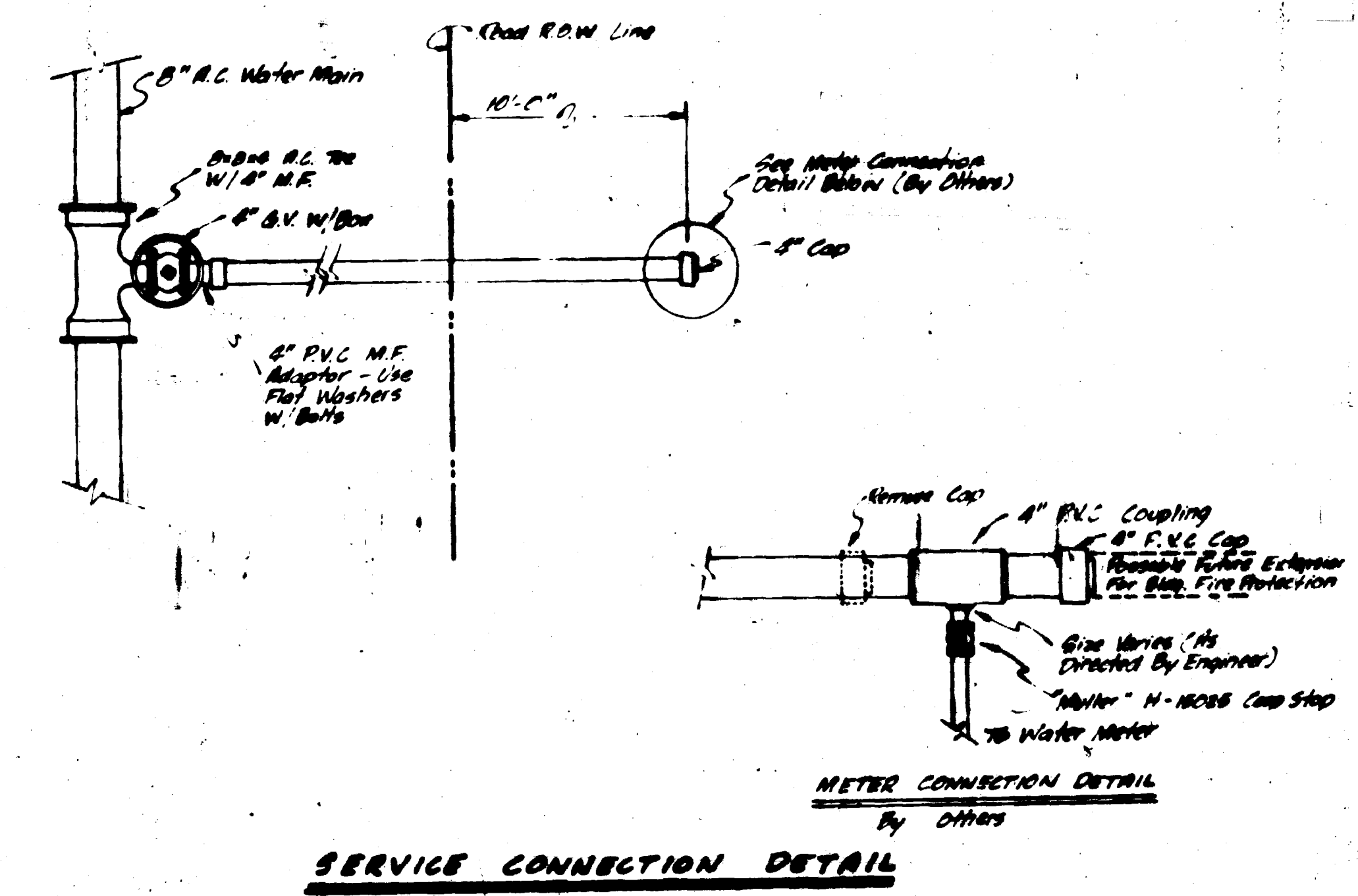
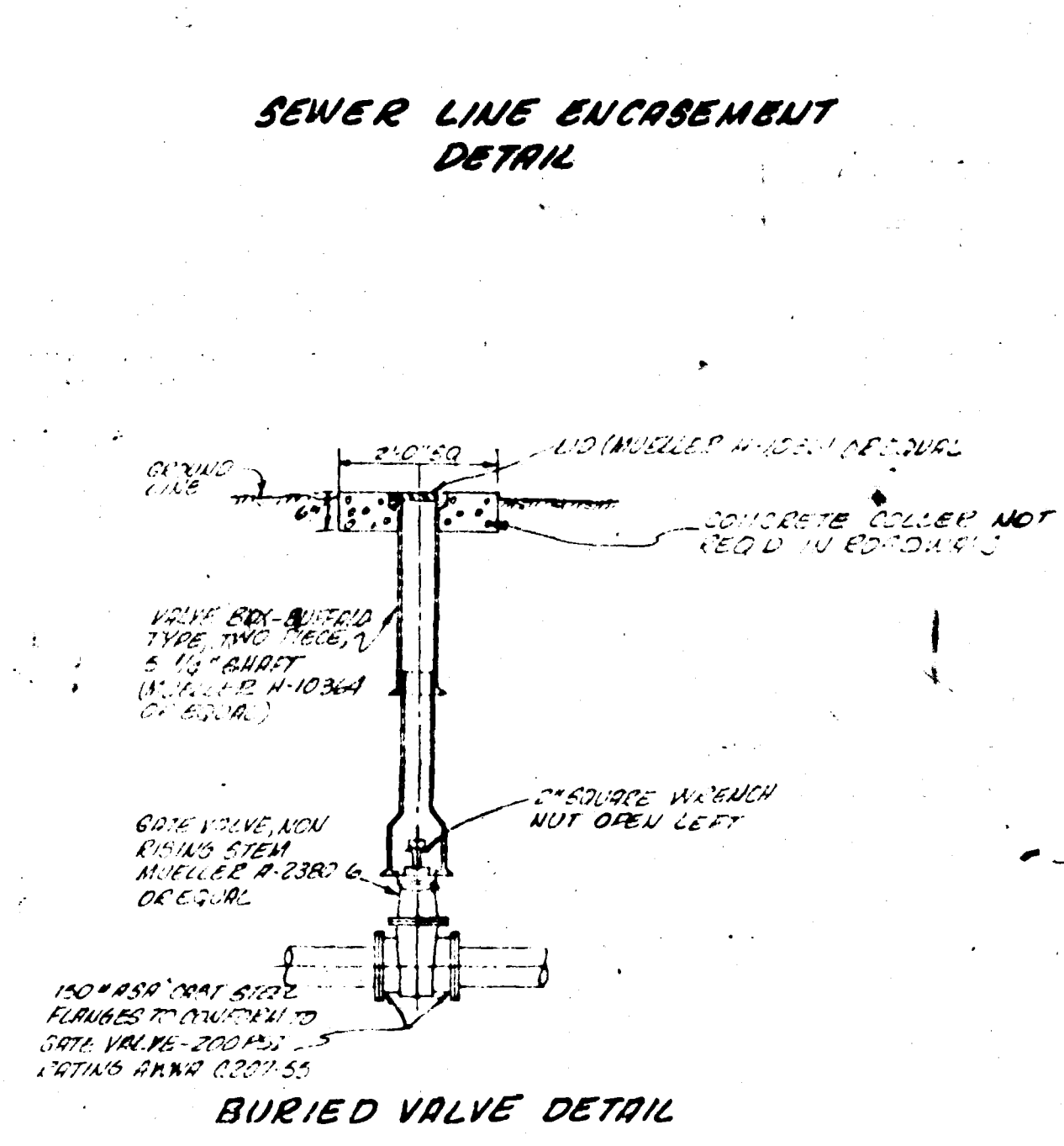
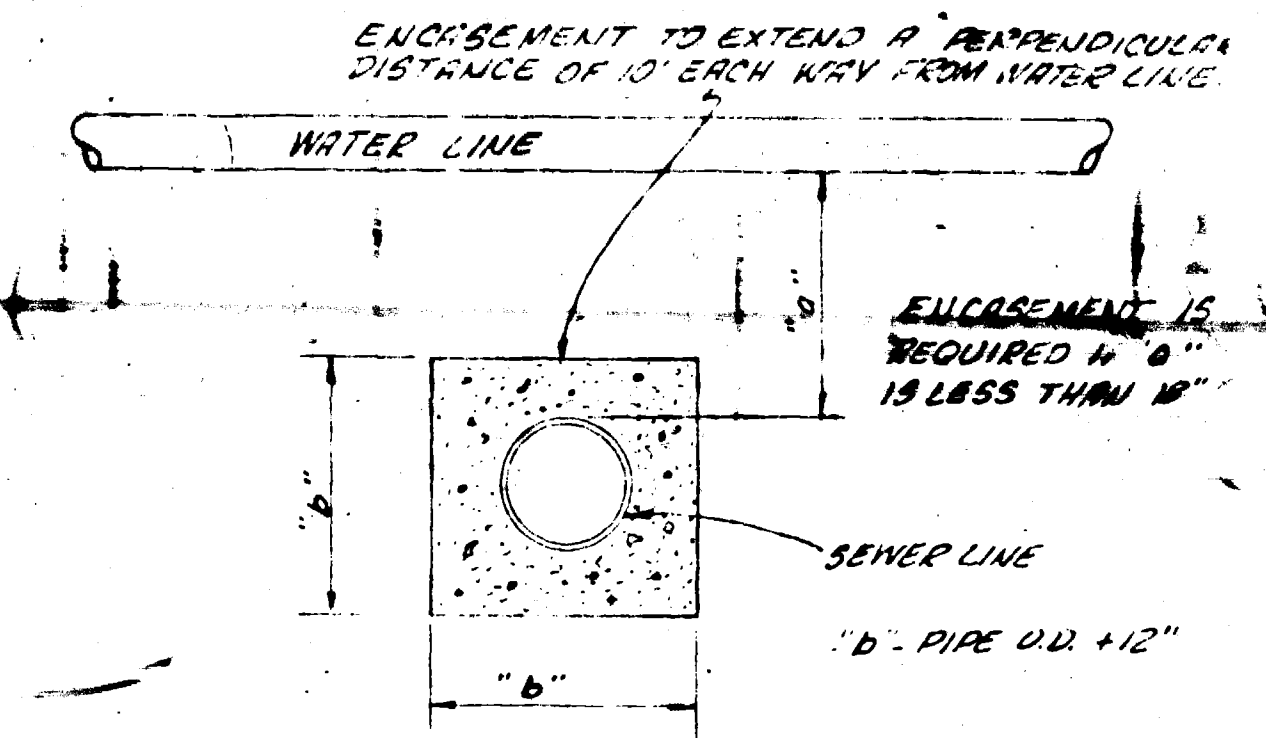
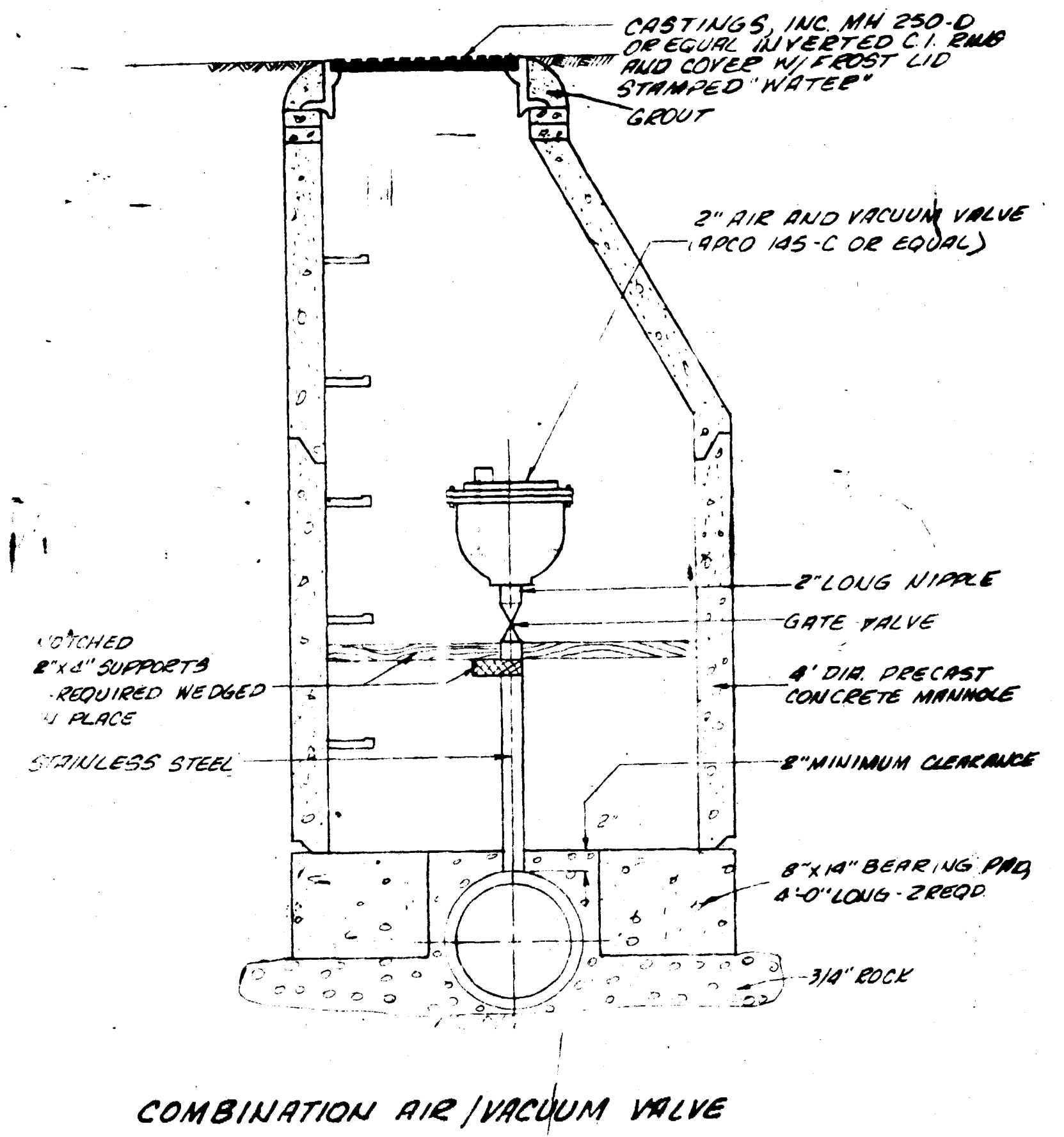
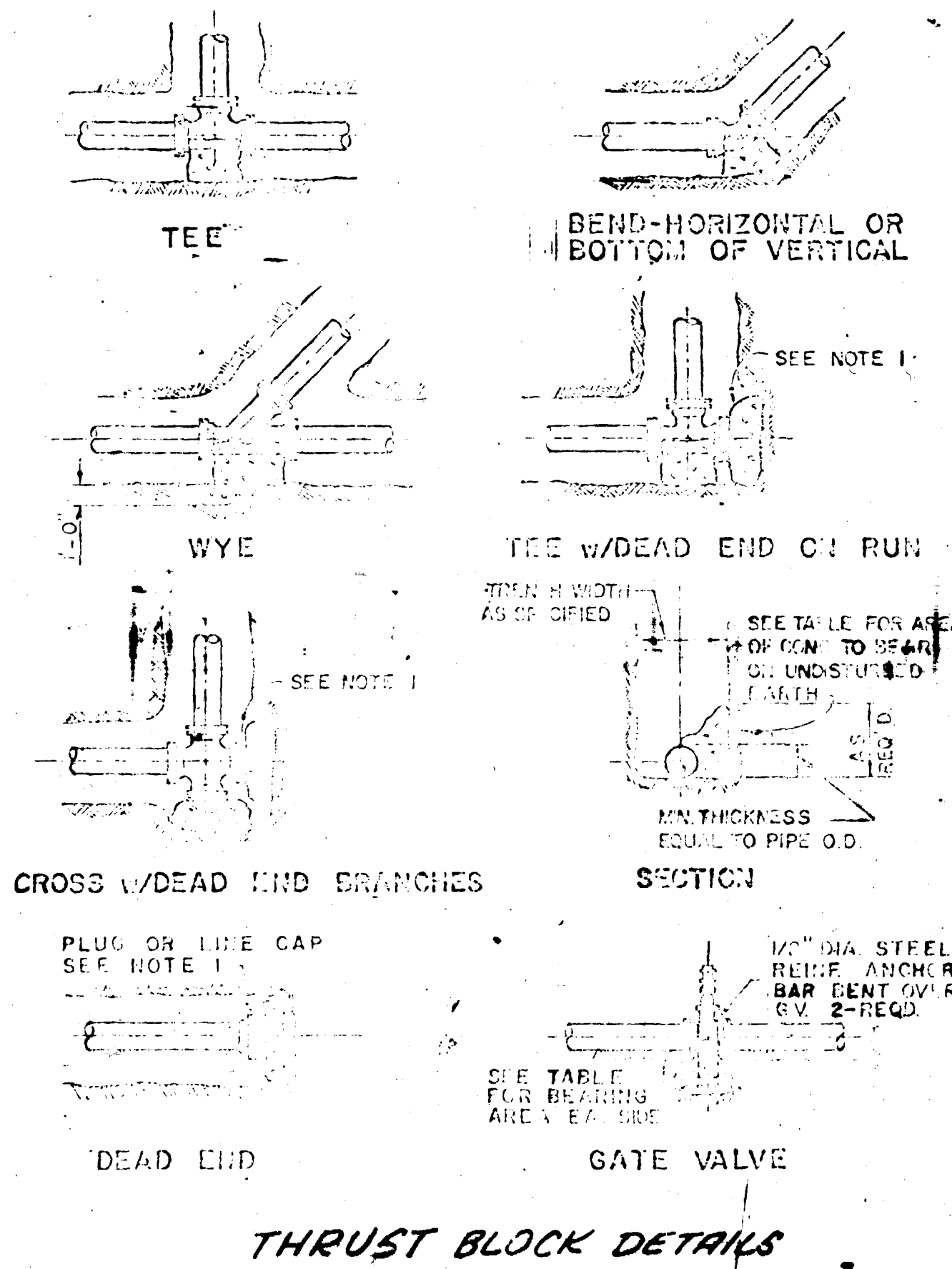
SIZE	BENDS				TEES	GATE VALVES	HEAD ENDS
	90°	45°	22 1/2°	11 1/4°			
3	1.0	0.6	0.3	1.0	0.7	0.5	0.7
4	1.8	1.0	0.5	0	1.3	0.5	1.3
6	4.0	2.2	1.1	0	2.8	0.7	2.8
8	7.1	3.8	2.0	1.0	5.0	2.4	5.0
10	11.1	6.0	3.0	1.5	7.8	4.5	7.8
12	16.0	8.6	4.4	2.2	11.3	7.3	11.3



**TABLE OF VOLUMES OF CONCRETE (IN CU. FT.)**

SIZE	BEND		
	45°	22 1/2°	11 1/4°
3	7.4	3.8	1.9
4	13.0	6.6	2.9
6	29.2	15.0	7.4
8	52.0	26.4	13.2
10	81.0	41.4	20.6
12	117.2	60.0	29.6

- NOTES FOR DRAWINGS**
- AT DEAD ENDS, WRAP FITTINGS WITH TAR PAPER, FELT, OR HEAVY KRAFT PAPER TO PREVENT LEAKS BETWEEN CONCRETE AND FITTINGS.
  - ALL THRUST BLOCKING SHALL BE CAST-IN-PLACE CONCRETE HAVING A MINIMUM YIELD STRENGTH OF 2000 PSI.
  - THRUST BLOCKING SHALL BE CAST AGAINST UNDISTURBED EARTH FOR 3' SHALL BE USED AS PER TO OBTAIN ADEQUATE BEARING AREA AND TO COMPENSATE FOR SETTLEMENT. THE THICKNESS SHALL BE AS SHOWN ON THE FITTING OR END CAP. THE THICKNESS SHOULD NOT BE ALLOWED TO VARY OVER THE LENGTH OF THE THRUST BLOCK.



CHECKED \_\_\_\_\_ DATE \_\_\_\_\_  
 JULIE 1979  
 SCALE  
 As Shown

REVISIONS BY \_\_\_\_\_

PARAGON ENGINEERING INC.  
 1001 1/2 S.W. 10th St. Ft. Lauderdale, Florida 33304

VALLEY WEST WATER & SANITATION DISTRICT  
 DOMESTIC WATER DETAILS

SHEET 3 OF 5 SHEETS

NO PART DRAWINGS

CHECKED

DATE

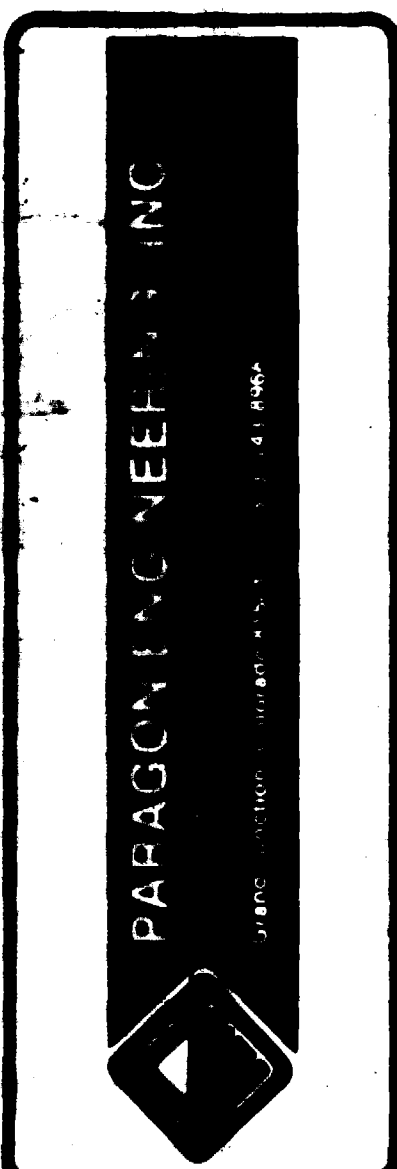
JUNE 1979

SCALE  
1" = 5' VERT.  
1" = 30' HORIZ.

REVISIONS

BY

REVISIONS	BY



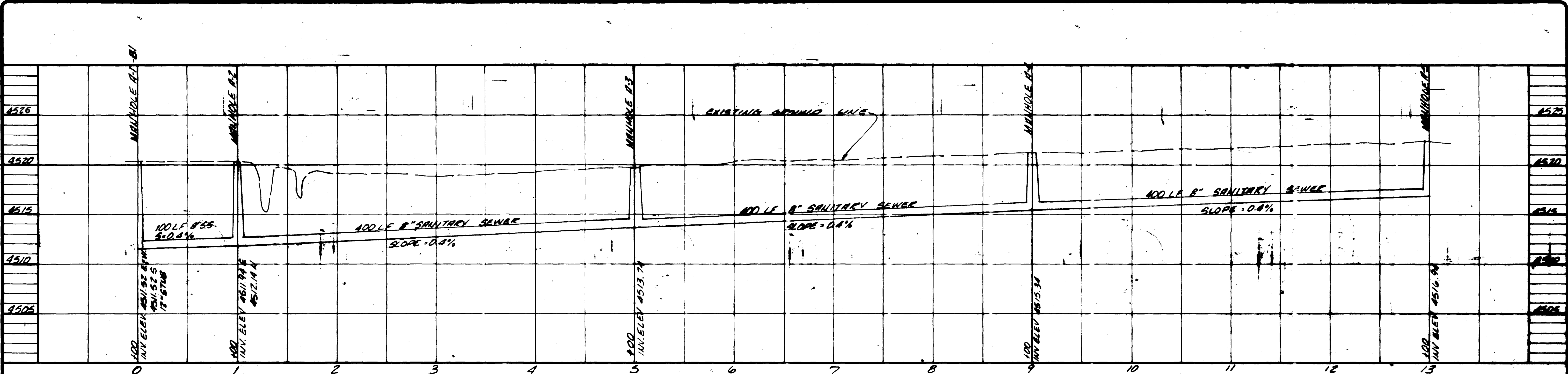
VALLEY WEST WATER AND SANITATION DISTRICT  
SANITARY SEWER  
PROFILES

SHEET

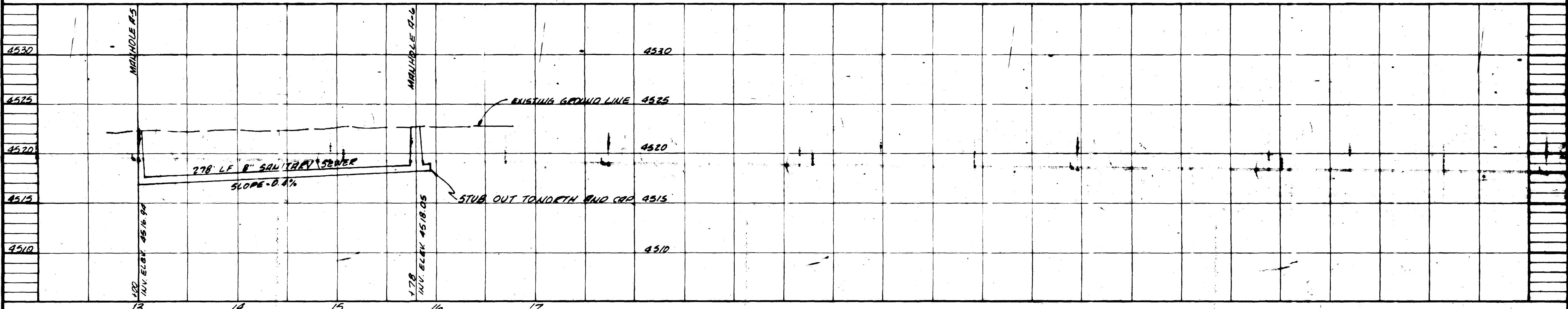
4

OF 5 SHEETS

650-00001

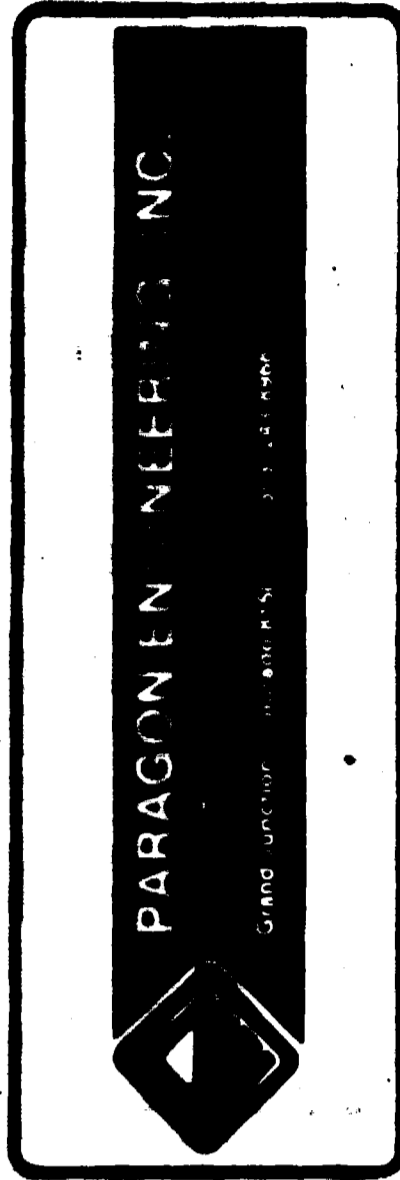


SANITARY SEWER LINE A



SANITARY SEWER LINE A

DATE: JUN 1979  
DRAWN BY: [illegible]



VALLEY WEST-WATER AND SANITATION DISTRICT  
 SANITARY SEWER  
 PROFILES

