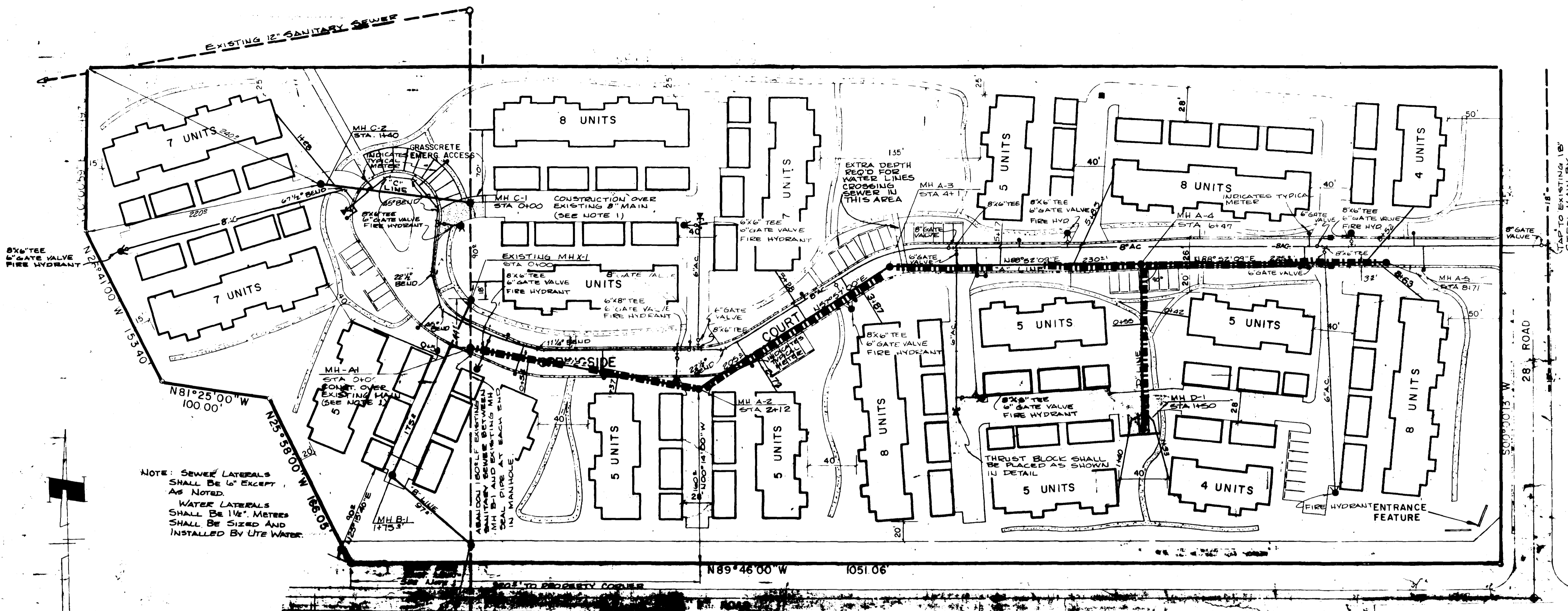


REVISIONS*	BY
MARCH 10 81	DB

**PARAGON ENGINEERING, INC.**  
 P.O. BOX 2872  
 GRAND JUNCTION, COLORADO 81501 (303) 243-8868

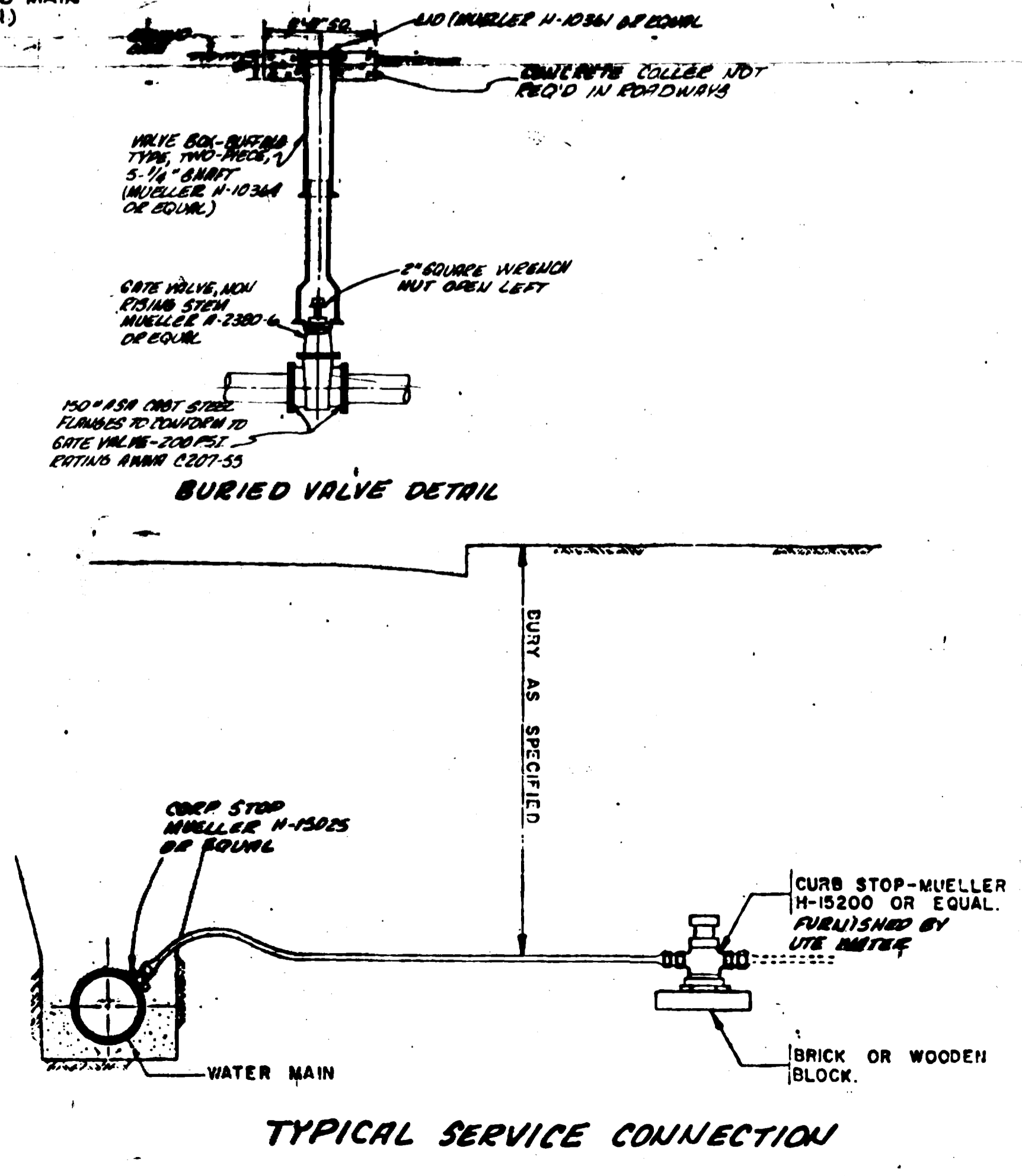
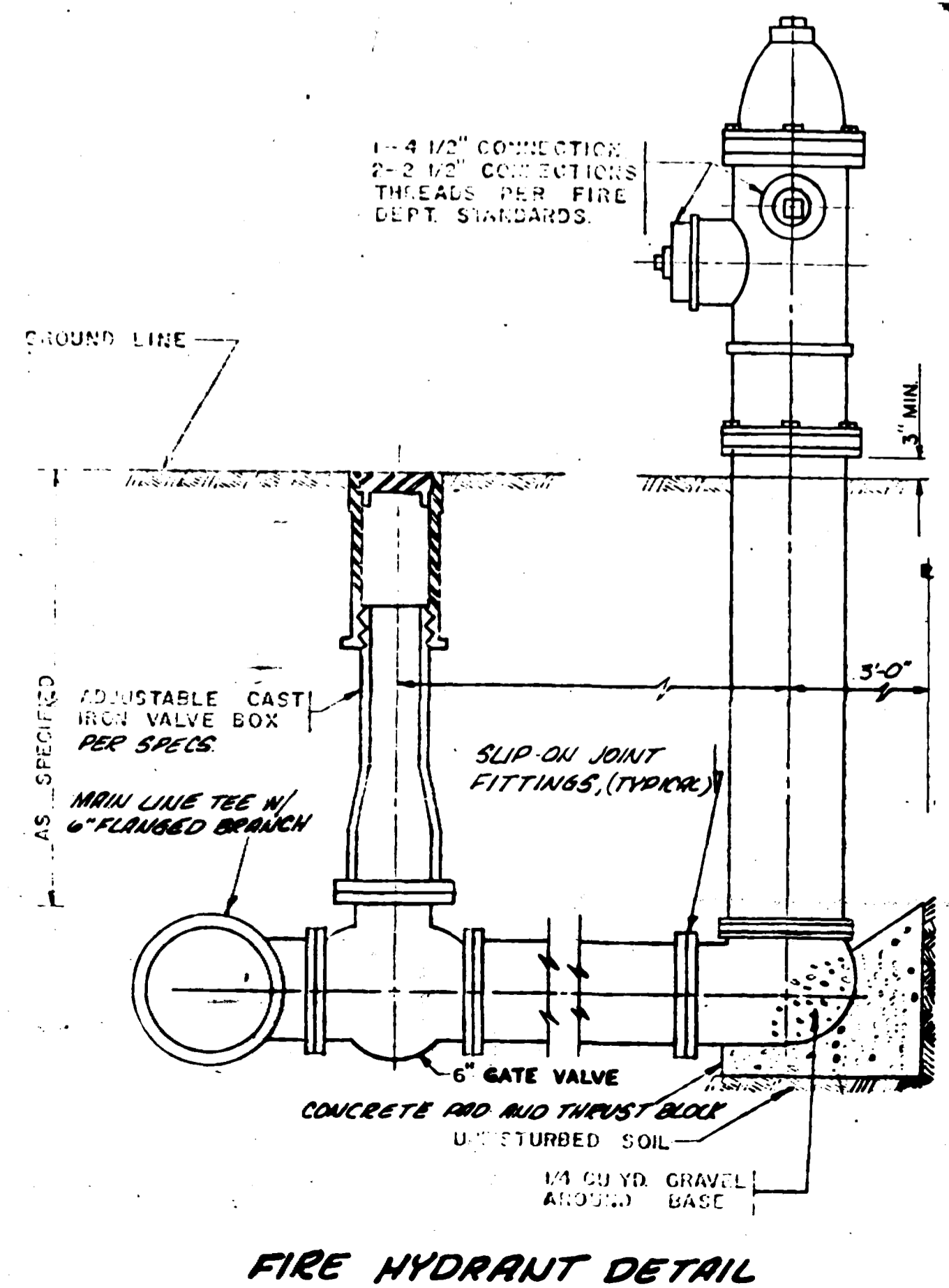
SANITARY SEWER & DOMESTIC WATER  
 PLAN AND DETAILS  
 PLEASANT RUN CONDOS  
 CITY OF GRAND JUNCTION



SCALE 1" = 30'

**GENERAL NOTES**

- The Exact Location and Flowline Elevations of the Existing Sewer Main shall be Verified by the Contractor Before Beginning Construction. The Existing Main Must Remain in Service at All Times.
- All Sanitary Sewer Construction shall be in Accordance With City of Grand Junction Specifications. All Domestic Water Construction shall be in Accordance With the Specifications of the Ute Water Conservancy District.
- Top of Eccentric Cones and/or Valve Boxes shall be Set at Subgrade. Street Contractor to Set Rims to Finish Grade of Streets.
- There shall be a 10' Separation between Sanitary Sewer and Domestic Water Lines or the Sanitary Sewer Line will be encased.

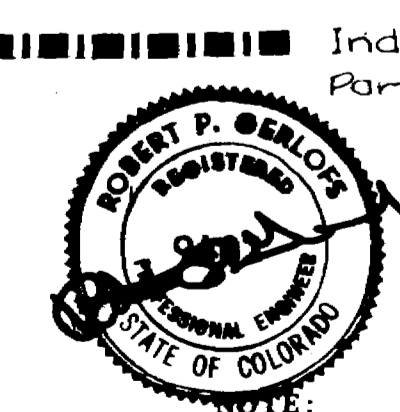
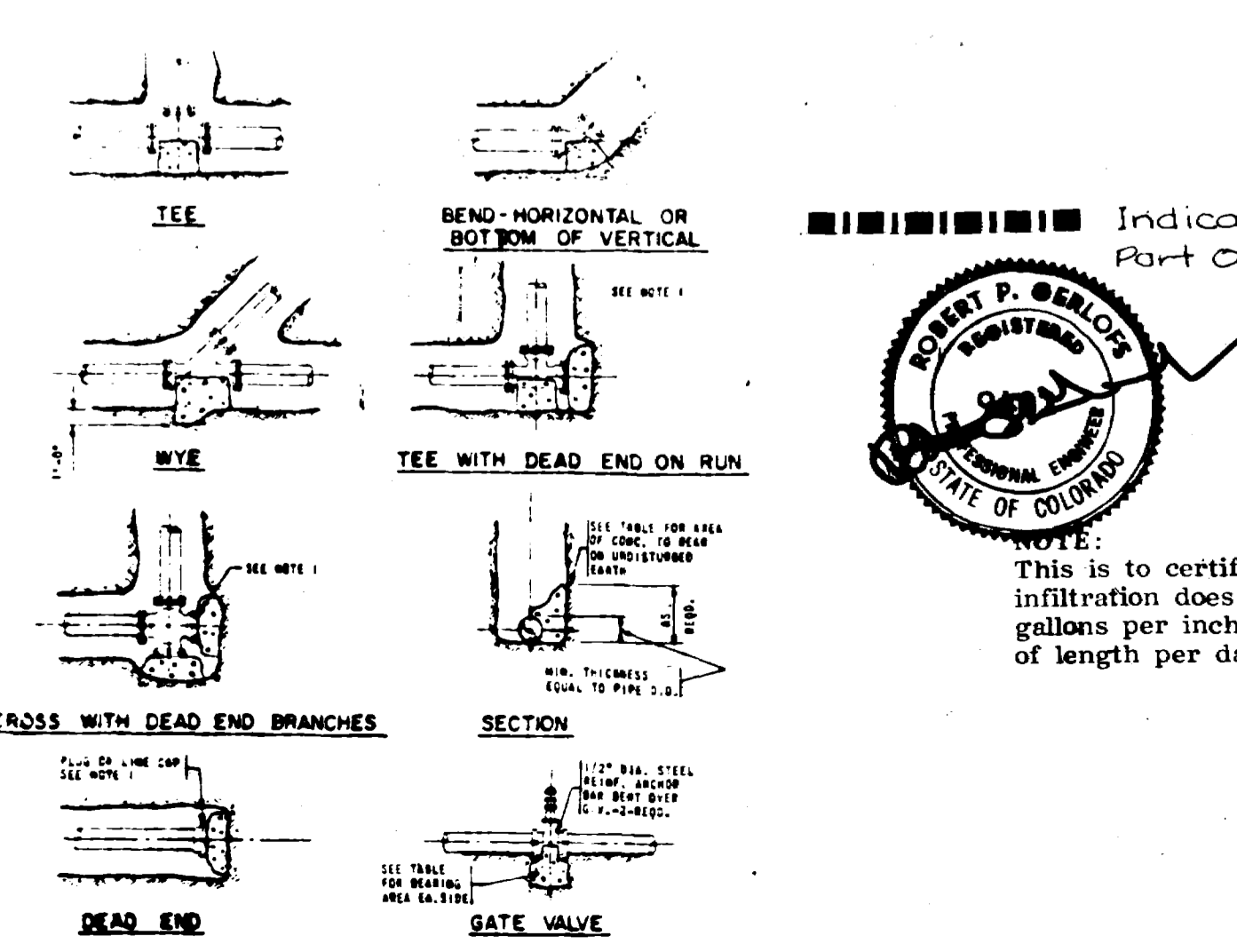


**TABLE OF BEARING AREAS IN SQ. FT. FOR CONCRETE THRUST BLOCKS**

SIZE	30"	36"	42"	48"	54"	60"	66"	72"	78"	84"	90"
3	1.0	0.4	0.3	0	0.7	0.8	0.7				
4	1.8	1.0	0.5	0	1.3	0.9	1.3				
6	4.0	2.2	1.1	0	2.8	0.7	2.9				
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	14.3				

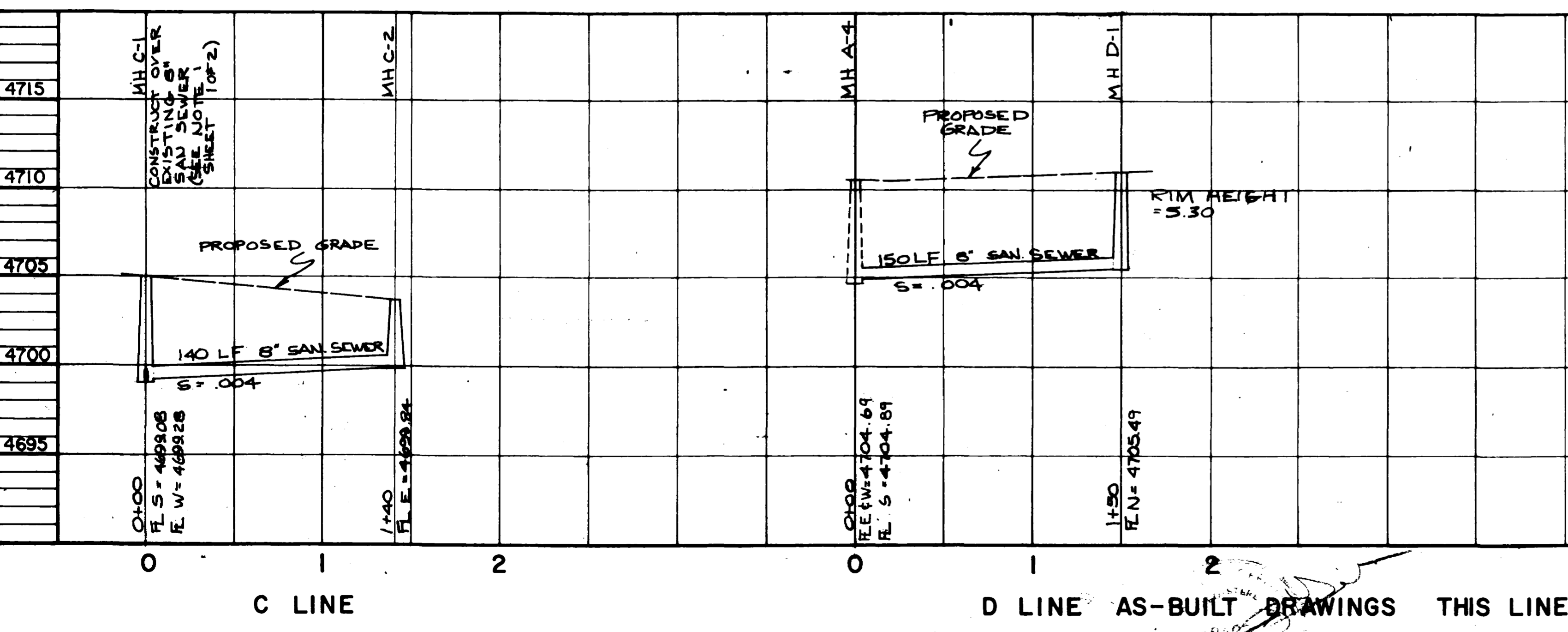
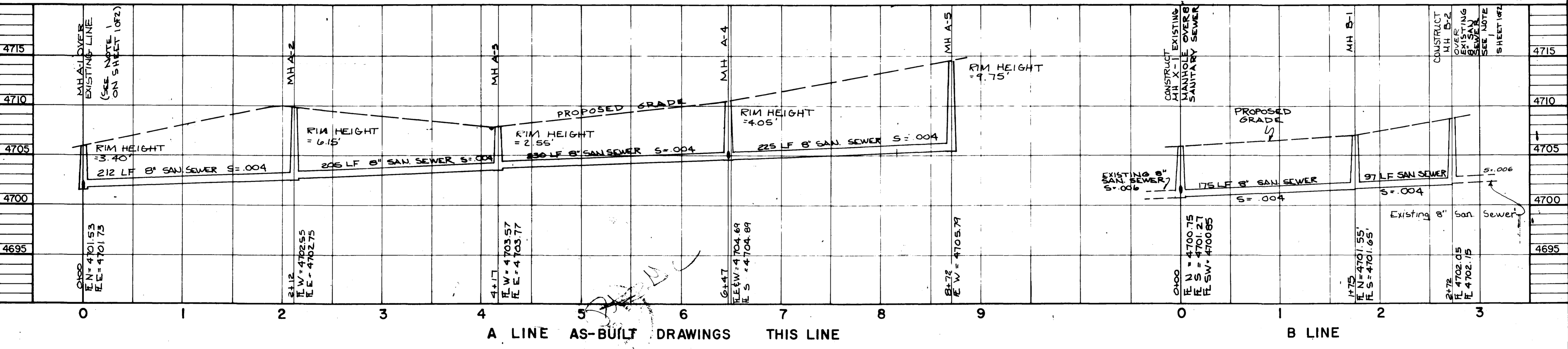
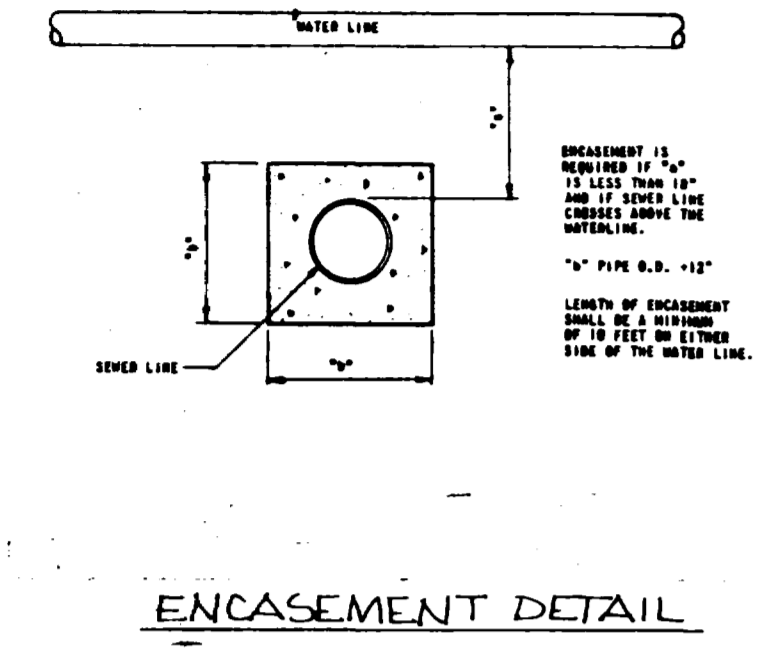
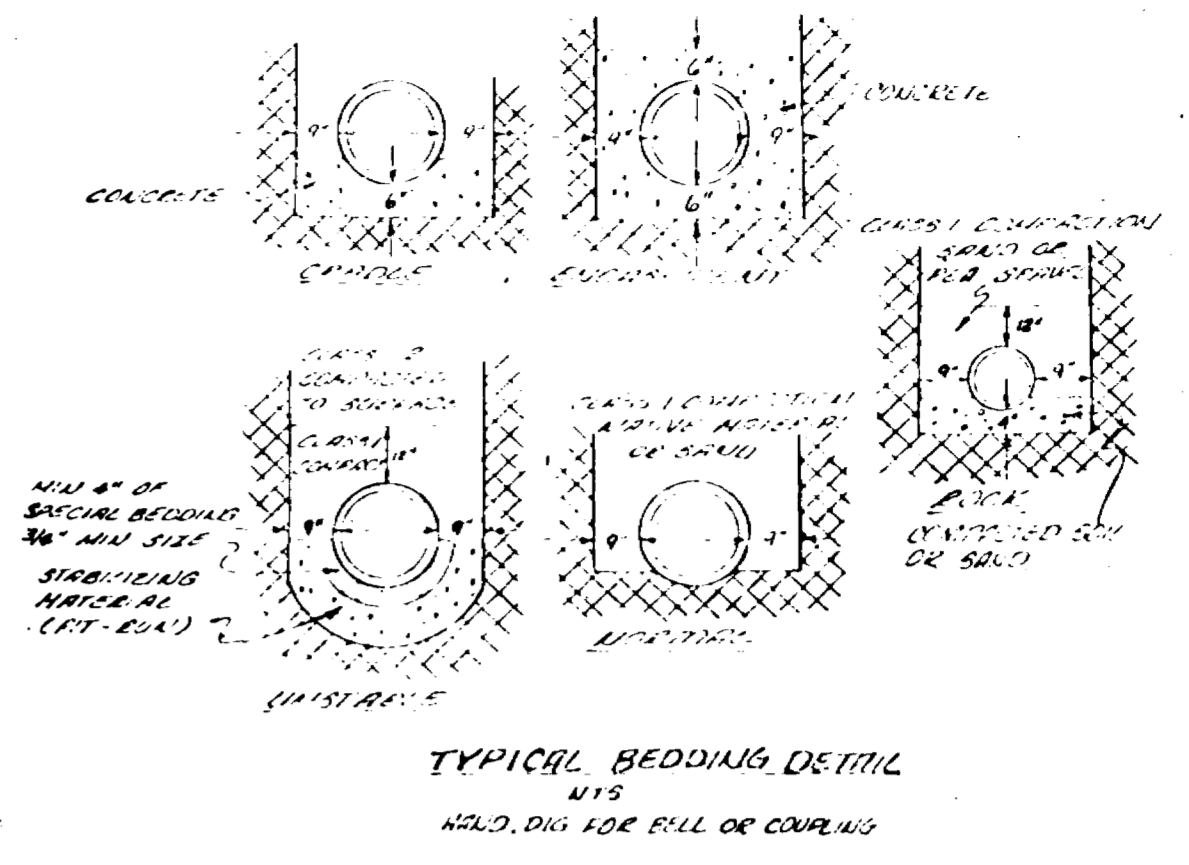
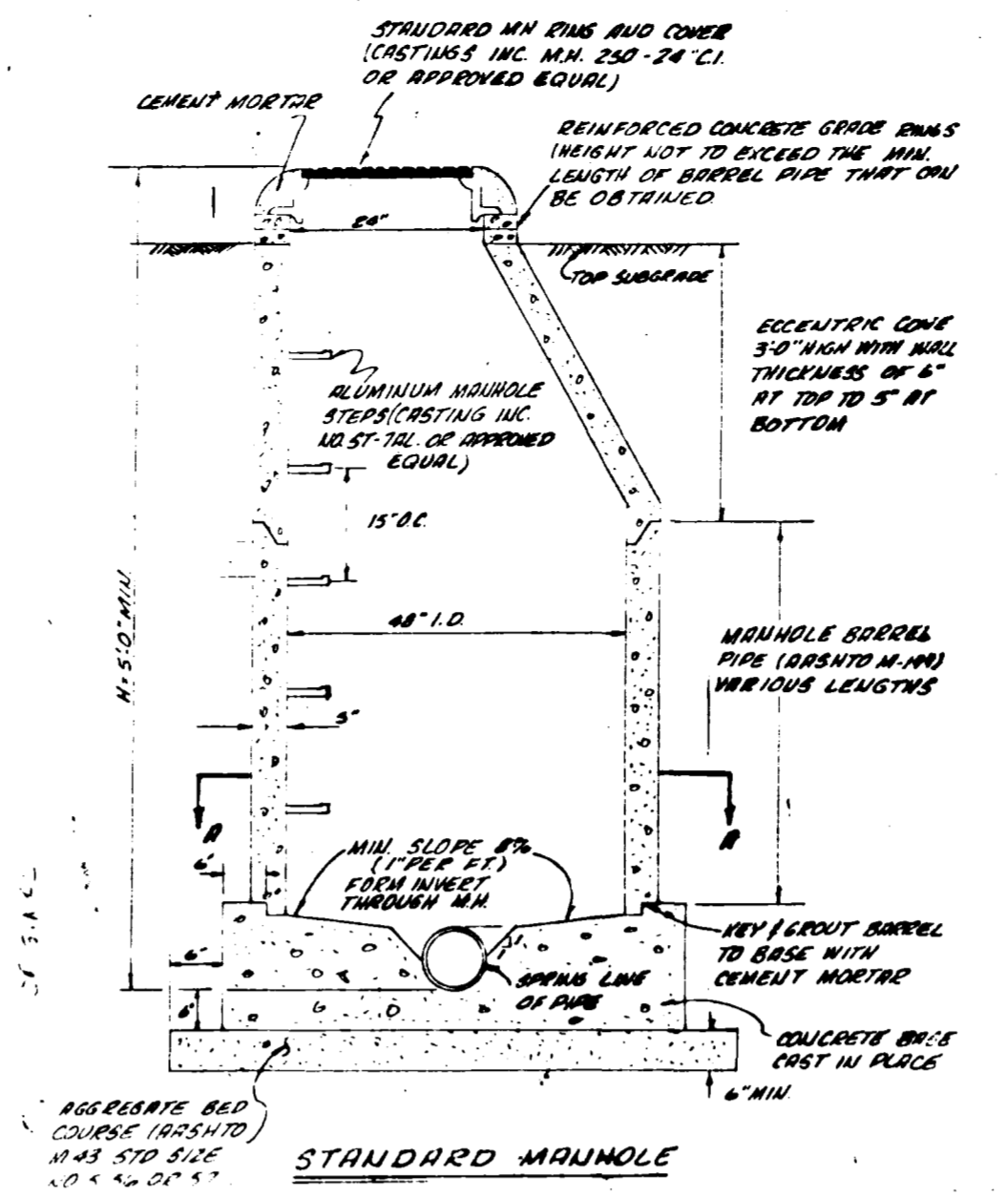
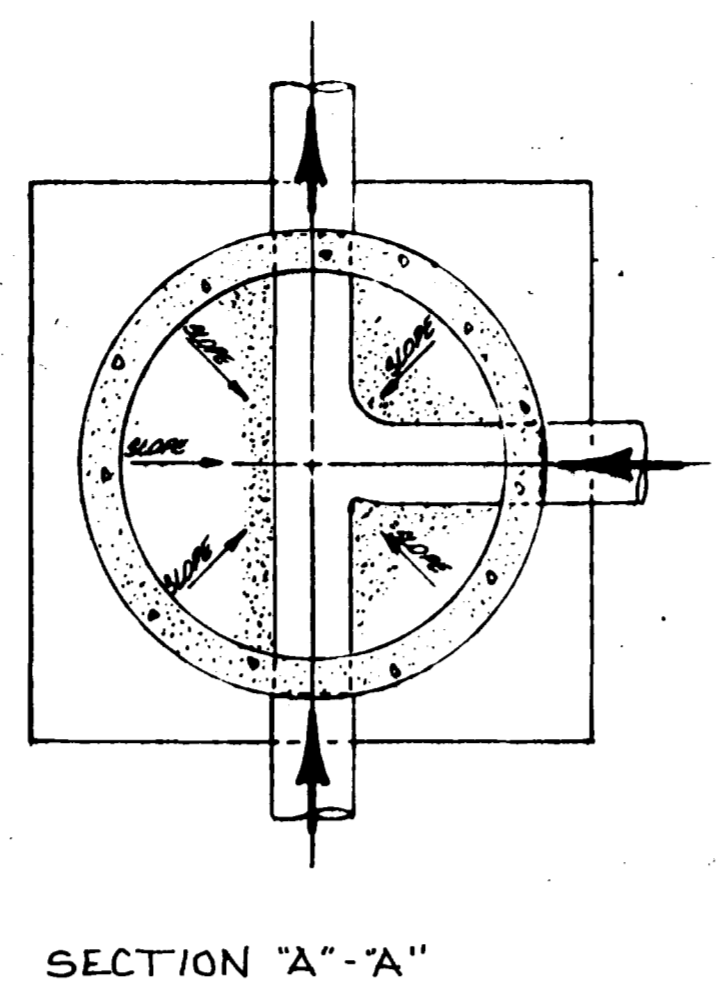
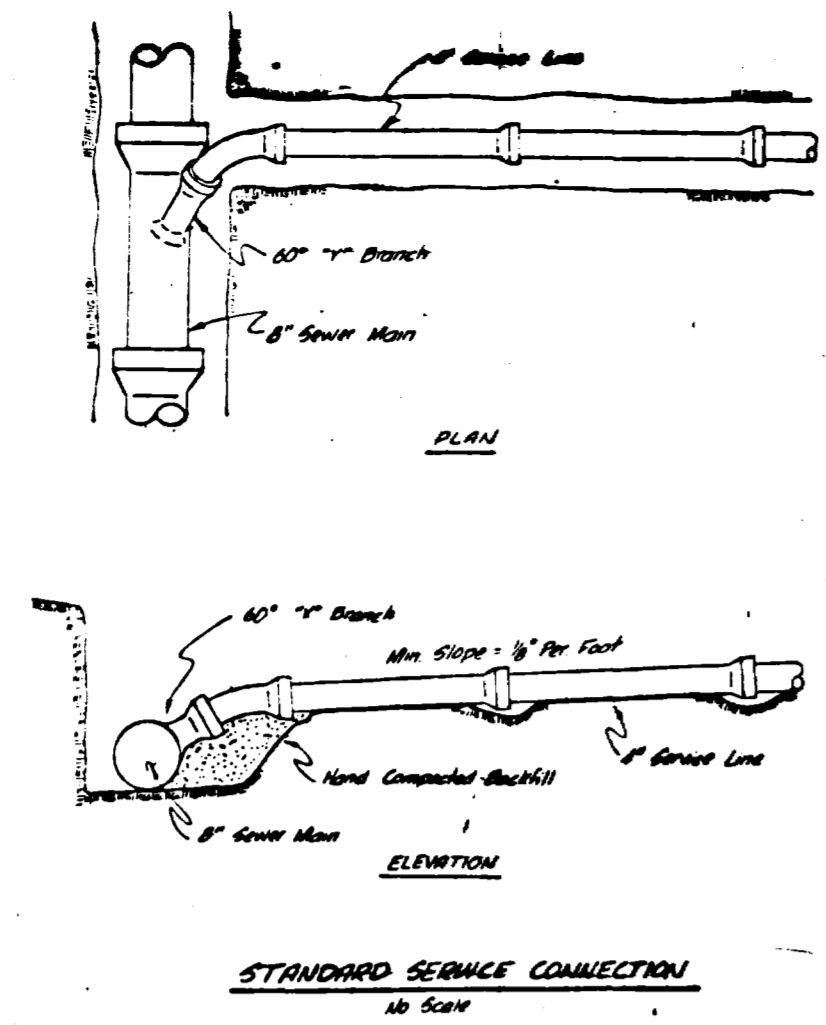
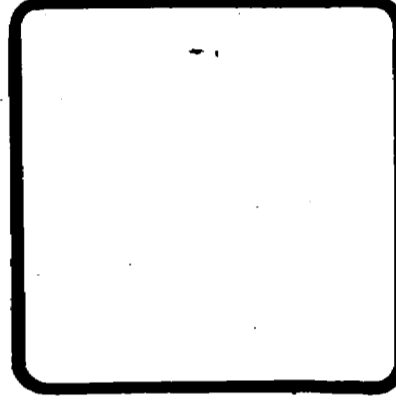
**TABLE OF VOLUMES OF CONCRETE (IN CU FT.)**

SIZE	30"	36"	42"	48"	54"	60"	66"	72"	78"	84"	90"
3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
4	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
6	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
8	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
10	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
12	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6



Indicates Constructed Part of Sewer Project.

NOTE: This is to certify that the system infiltration does not exceed 200 gallons per inch diameter per mile of length per day.



NOTE:  
This is to certify that the system infiltration does not exceed 200 gallons per inch diameter per mile of length per day.

AS BUILT DRAWINGS  
PROFILE SCALE:  
HORIZONTAL 1" = 50'  
VERTICAL 1" = 5'