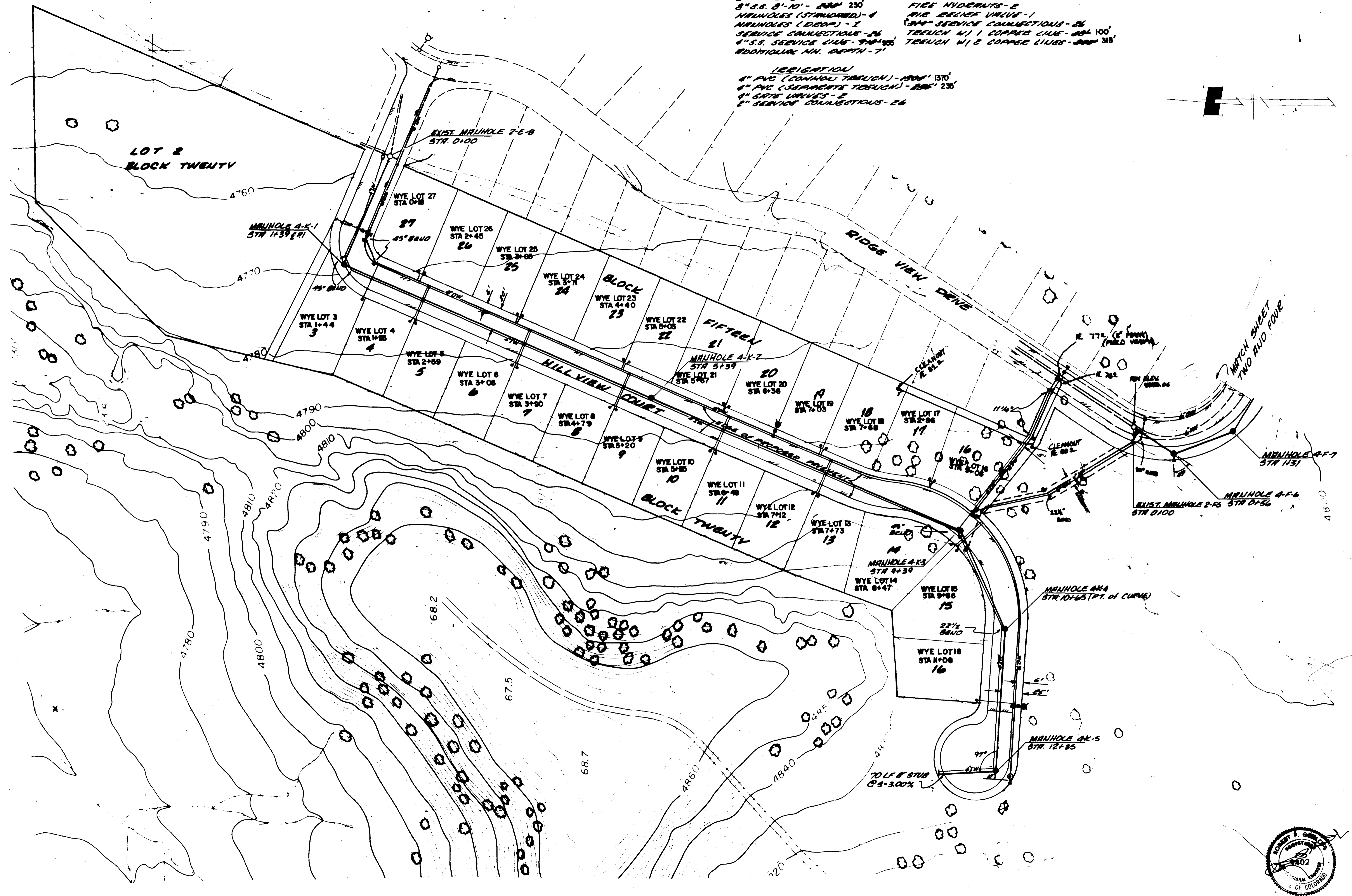
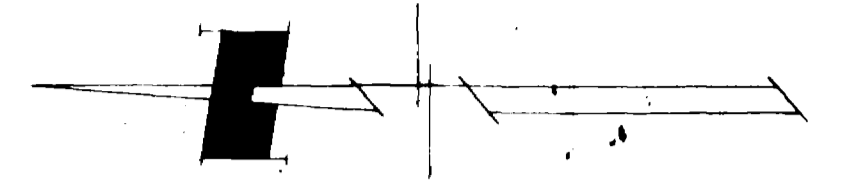


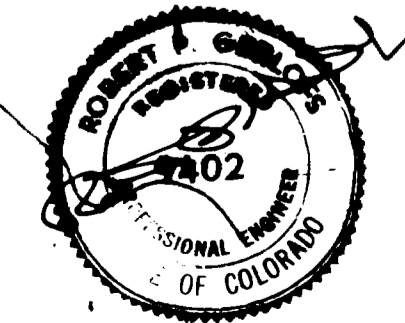
PHASE I QUANTITIES

- | | |
|-----------------------------------|--------------------------------------|
| SEWER | DOMESTIC WATER |
| 8" S.S. 0'-6" - ALL - 385' | 6" WC - TAMP - 1550' |
| 8" S.S. 6'-8" - TYP - 755' | 6" GATE VALVES - 3 |
| 8" S.S. 8'-10" - TYP - 230' | FLIEE HYDRANTS - 2 |
| MANHOLES (STANDARD) - 4 | AIR RELEASE VALVE - 1 |
| MANHOLES (DEEP) - 1 | 1.5" SERVICE CONNECTIONS - 26 |
| SERVICE CONNECTIONS - 26 | TRULICH W/ 1 COPPER LINES - 89' 100' |
| 4" S.S. SERVICE LINES - 910' 955' | TRULICH W/ 2 COPPER LINES - 315' |
| ADDITIONAL MIN. DEPTH - 7' | |

- IRRIGATION**
- 4" PVC (CONDUIT TRULICH) - 1300' 1370'
 - 4" PVC (SEPARATE TRULICH) - 250' 235'
 - 4" GATE VALVES - 2
 - 2" SERVICE CONNECTIONS - 26



DATE: JANUARY, 1979
 SCALE: 1"=50'
 REVISIONS:
 SAUTRAY OWNER, WATER & IRRIGATION PLAN
 THE RIDGES FILING NO FOUR
 MESA COUNTY, COLORADO
 SHEET
 1
 OF
 11



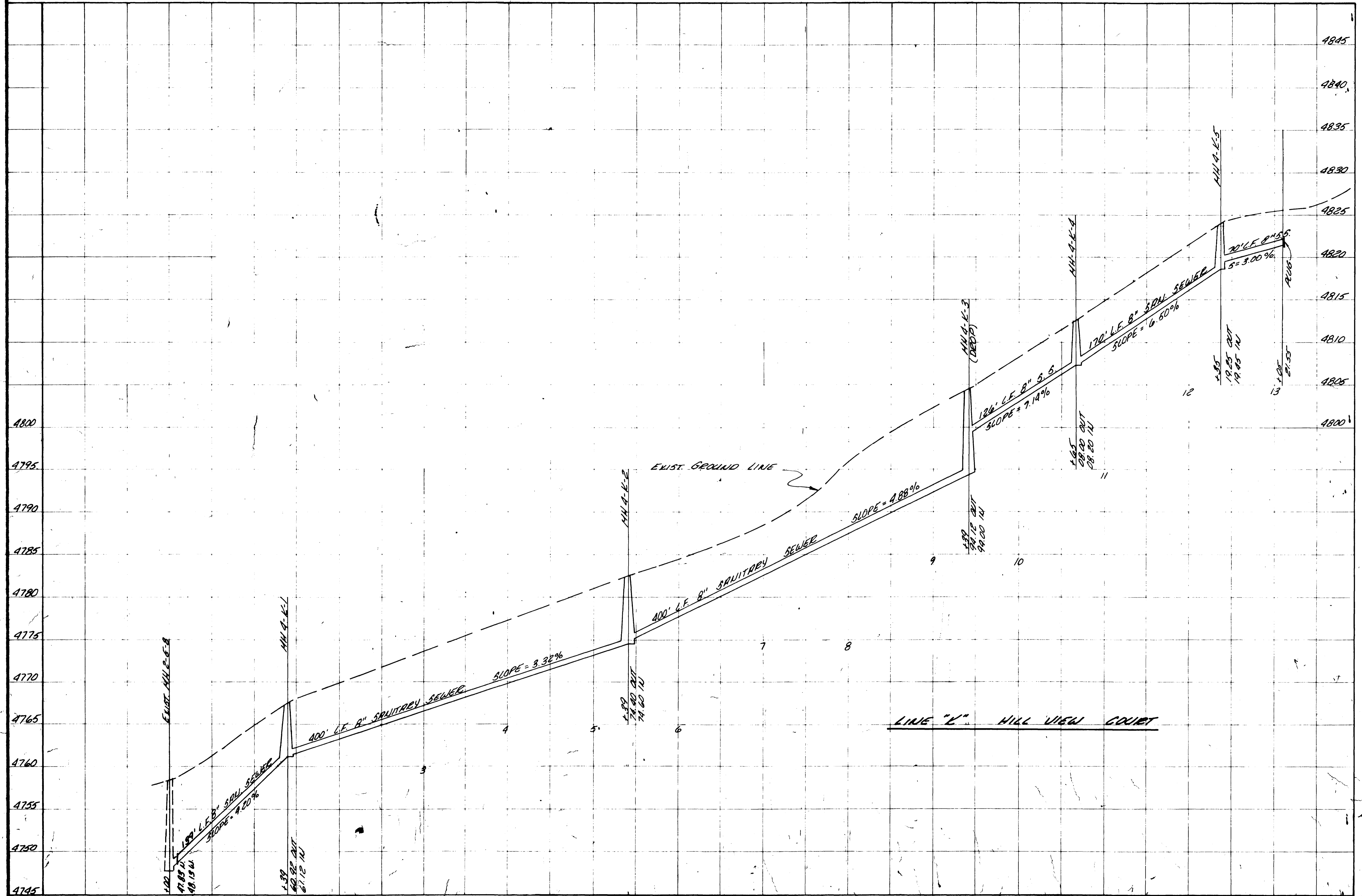
PHASE I

REVISIONS	BY

PARAGON ENGINEERING, INC.
 P.O. BOX 282
 FARMINGTON, CT 06030
 TEL: 860-671-1111

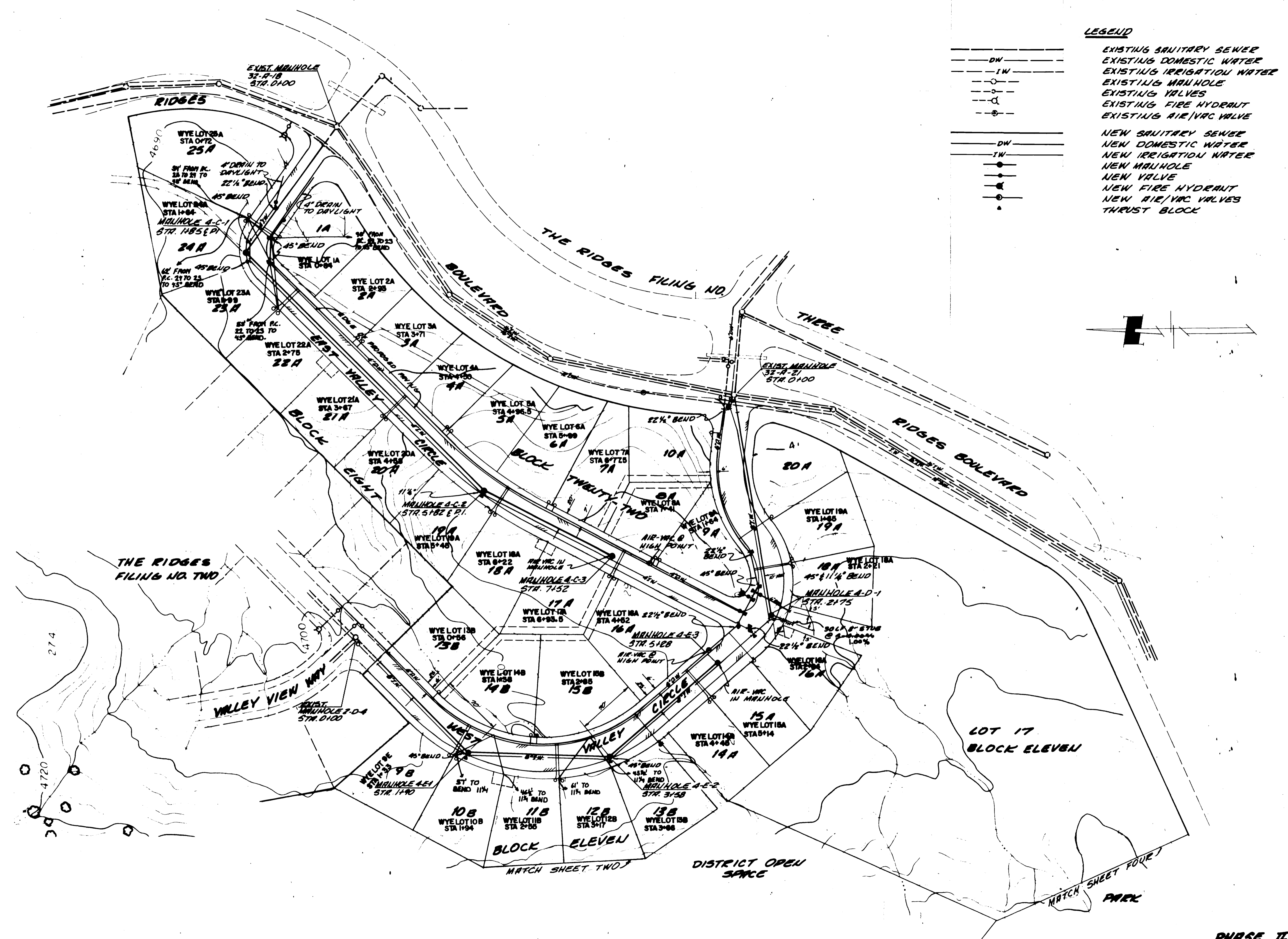


THE RIDGES
 FLING RD FOUR
 NEAR QUARRY OVERHEAD
 SANITARY SEWER PROFILES

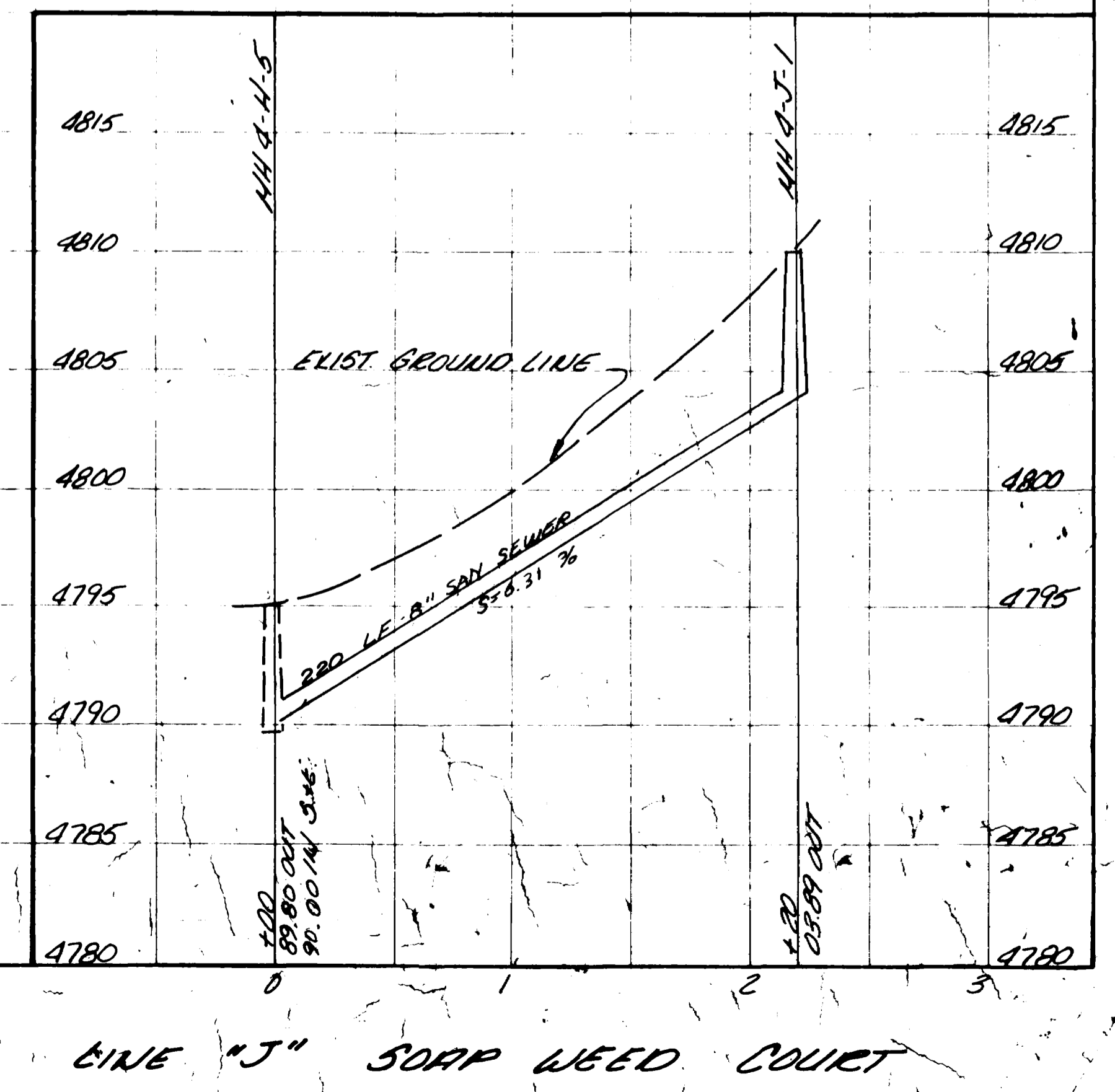
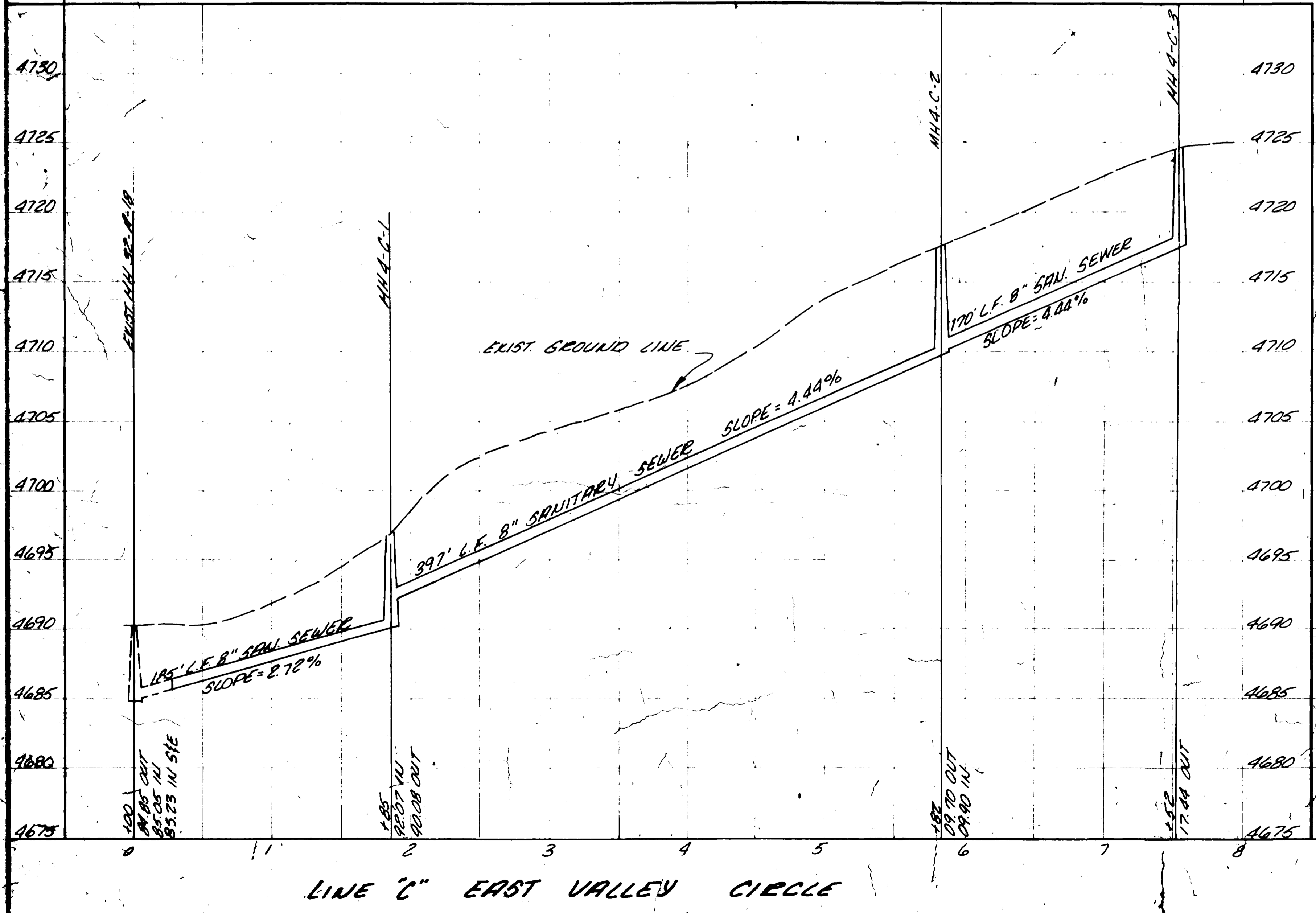
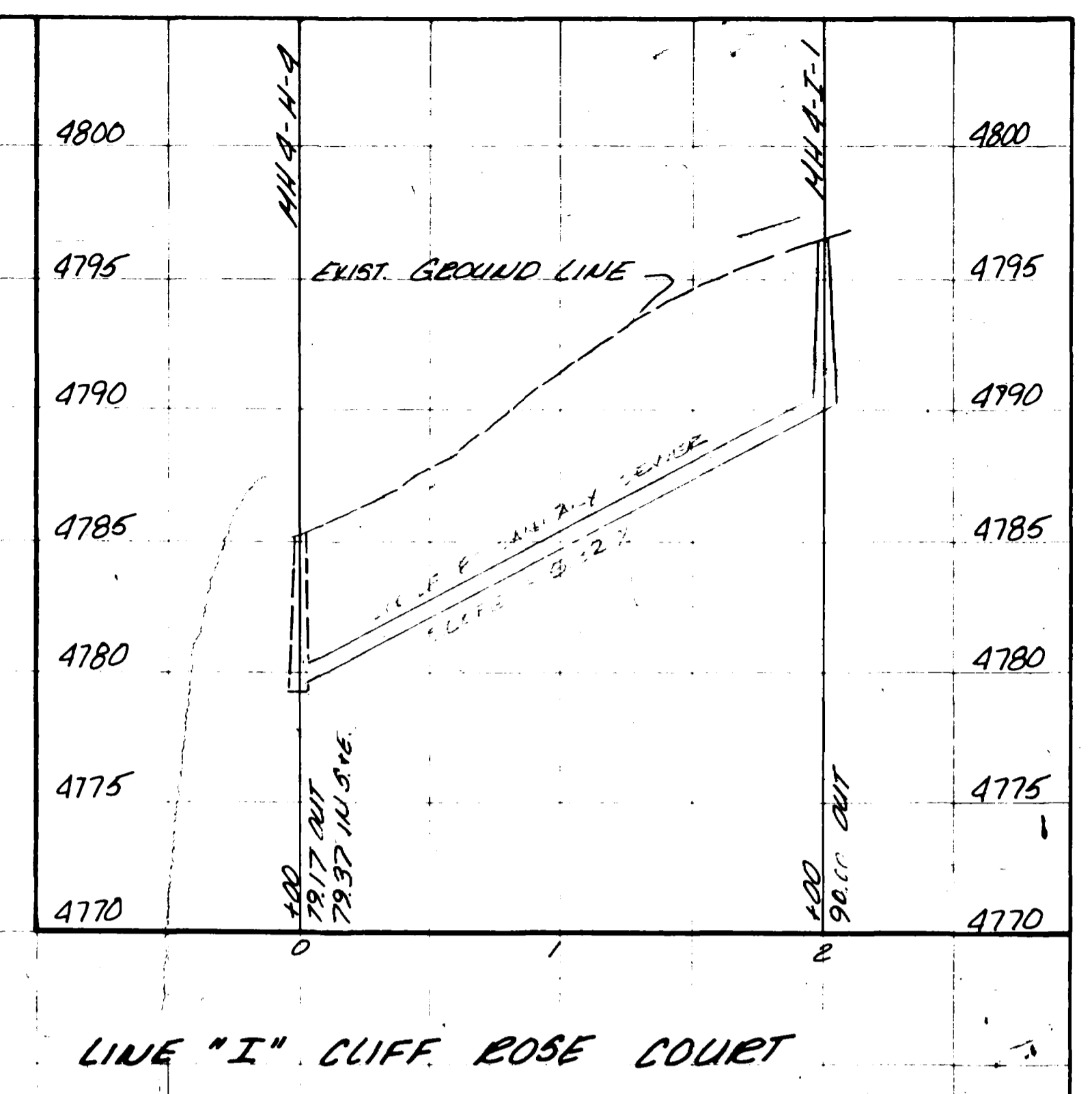
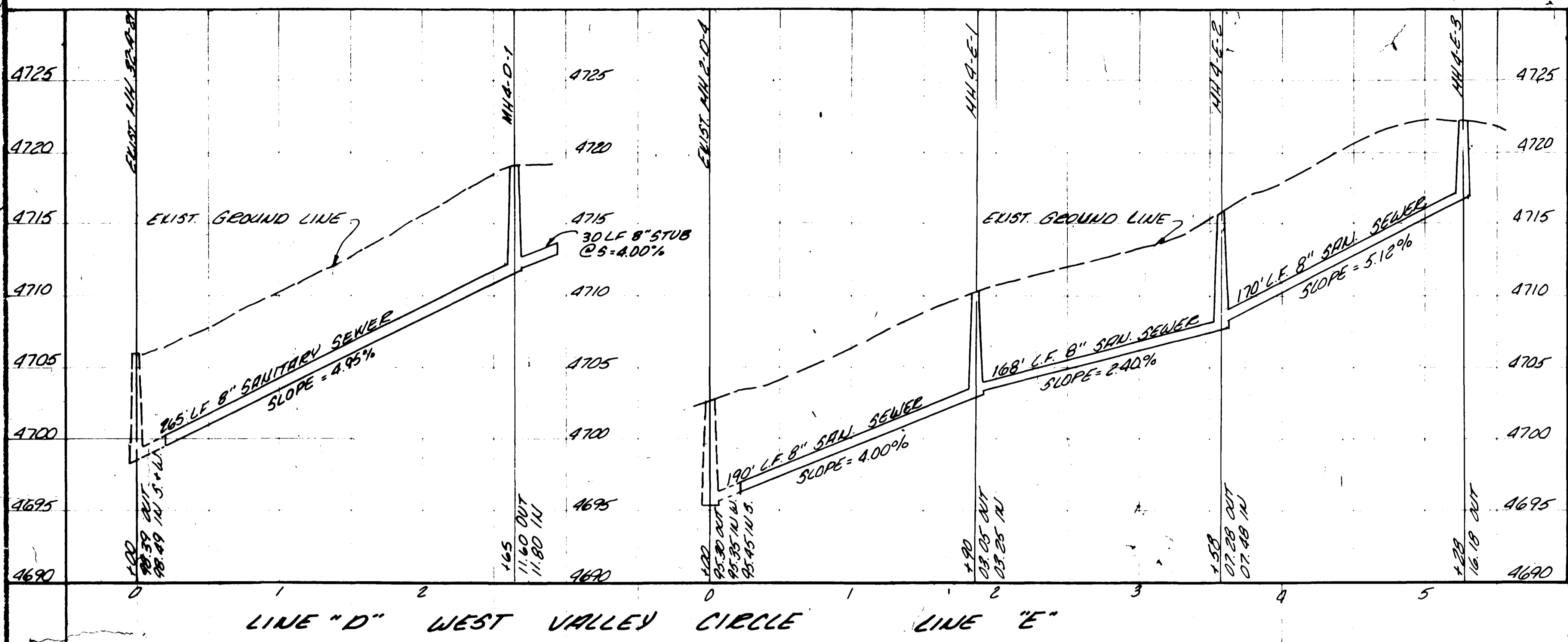


LEGEND

	EXISTING SANITARY SEWER
	EXISTING DOMESTIC WATER
	EXISTING IRRIGATION WATER
	EXISTING MANHOLE
	EXISTING VALVE
	EXISTING FIRE HYDRANT
	EXISTING AIR/VRC VALVE
	NEW SANITARY SEWER
	NEW DOMESTIC WATER
	NEW IRRIGATION WATER
	NEW MANHOLE
	NEW VALVE
	NEW FIRE HYDRANT
	NEW AIR/VRC VALVES
	THRUST BLOCK



DATE: JANUARY, 1977
 SCALE: 1"=30'
 REVISIONS:
 SANITARY SEWER, WATER & IRRIGATION PLAN
 THE RIDGES FILING NO. FOUR
 MESA COUNTY, COLORADO
 SHEET 3 OF 11
 PHASE II



CHECK

DATE

1/11/17

SCALE

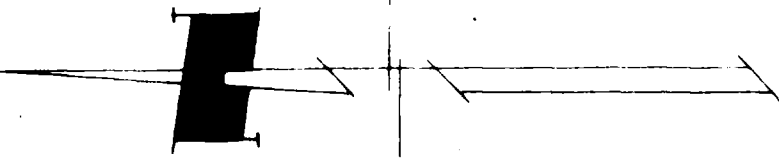
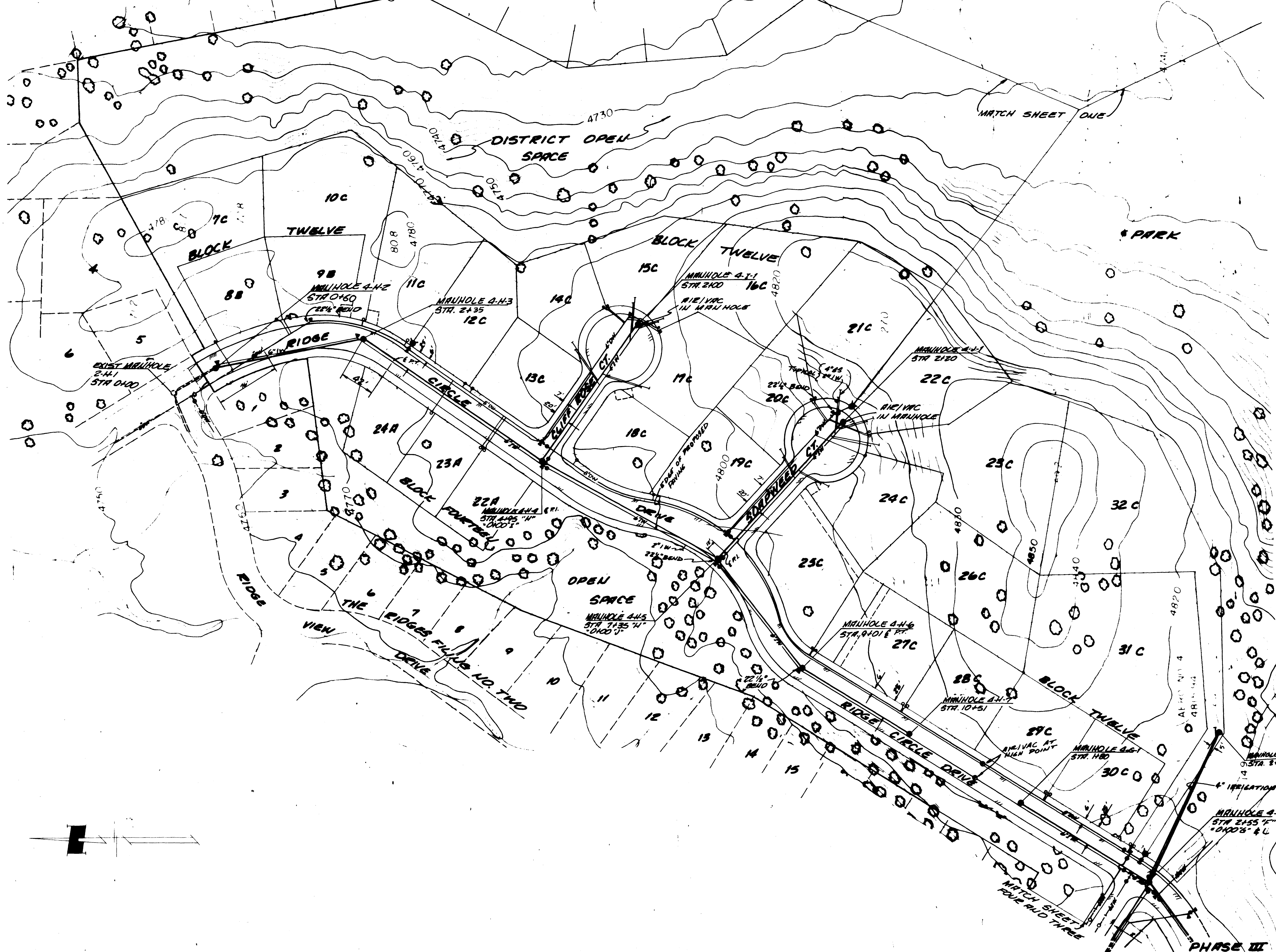
1" = 5' HORIZ

1" = 2' VERT

REVISIONS	BY

PARAGON ENGINEERING, INC.
 P.O. BOX 2072
 AND JUNCTION COMPANY, S.E.
 11111 E. 11TH AVE.

THE RIDGES
 TRAILS RD FOUR
 MESA COUNTY, COLORADO
 SANITARY SEWER PROFILES



MATCH SHEET ONE

PARK

DISTRICT OPEN SPACE

OPEN SPACE

PHASE III

MATCH SHEET TWO AND THREE

AT R/S NO. 4
 4815+44

4820

4810

4820

4820

4820

4820

4820

4820

4820

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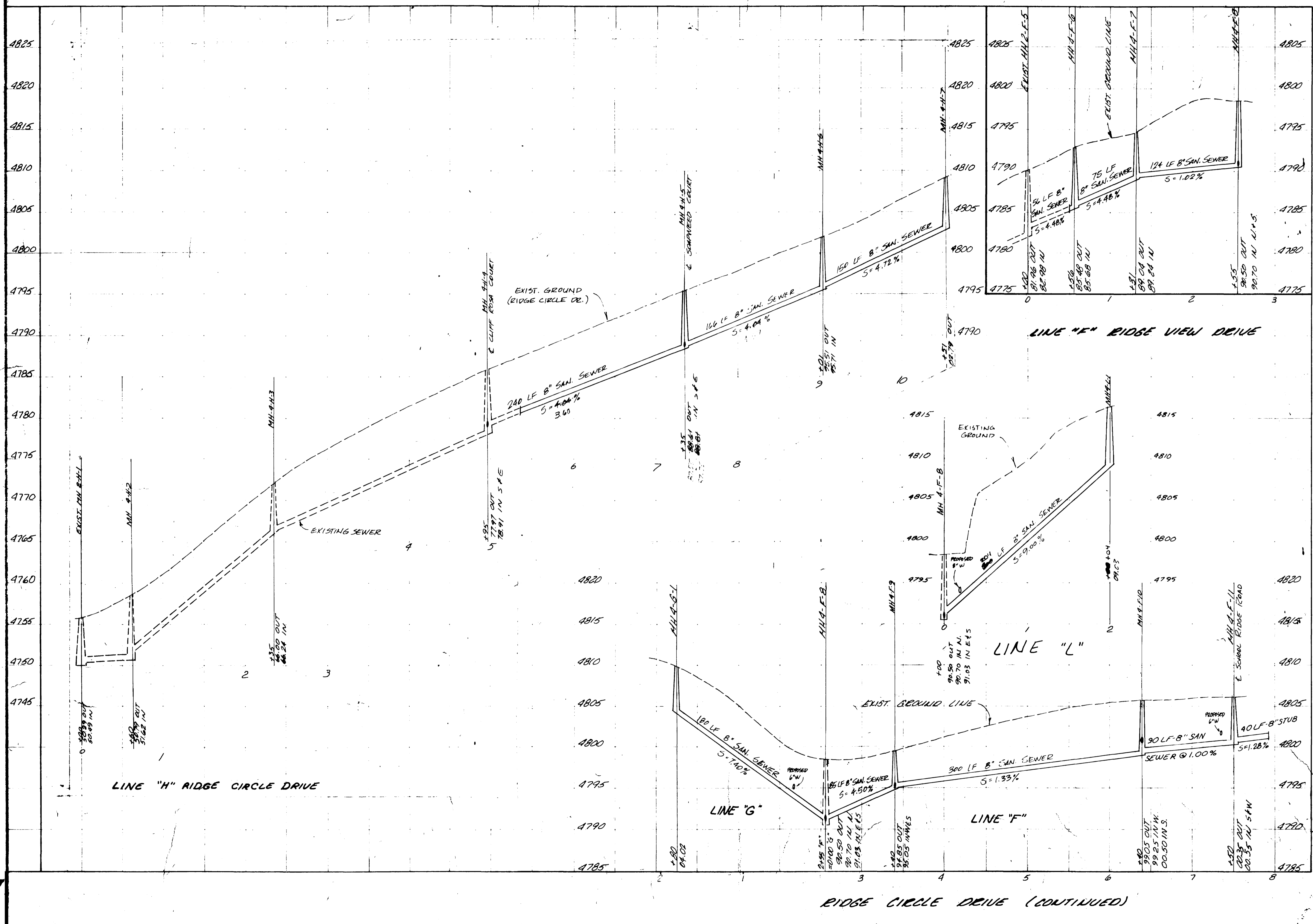
4820

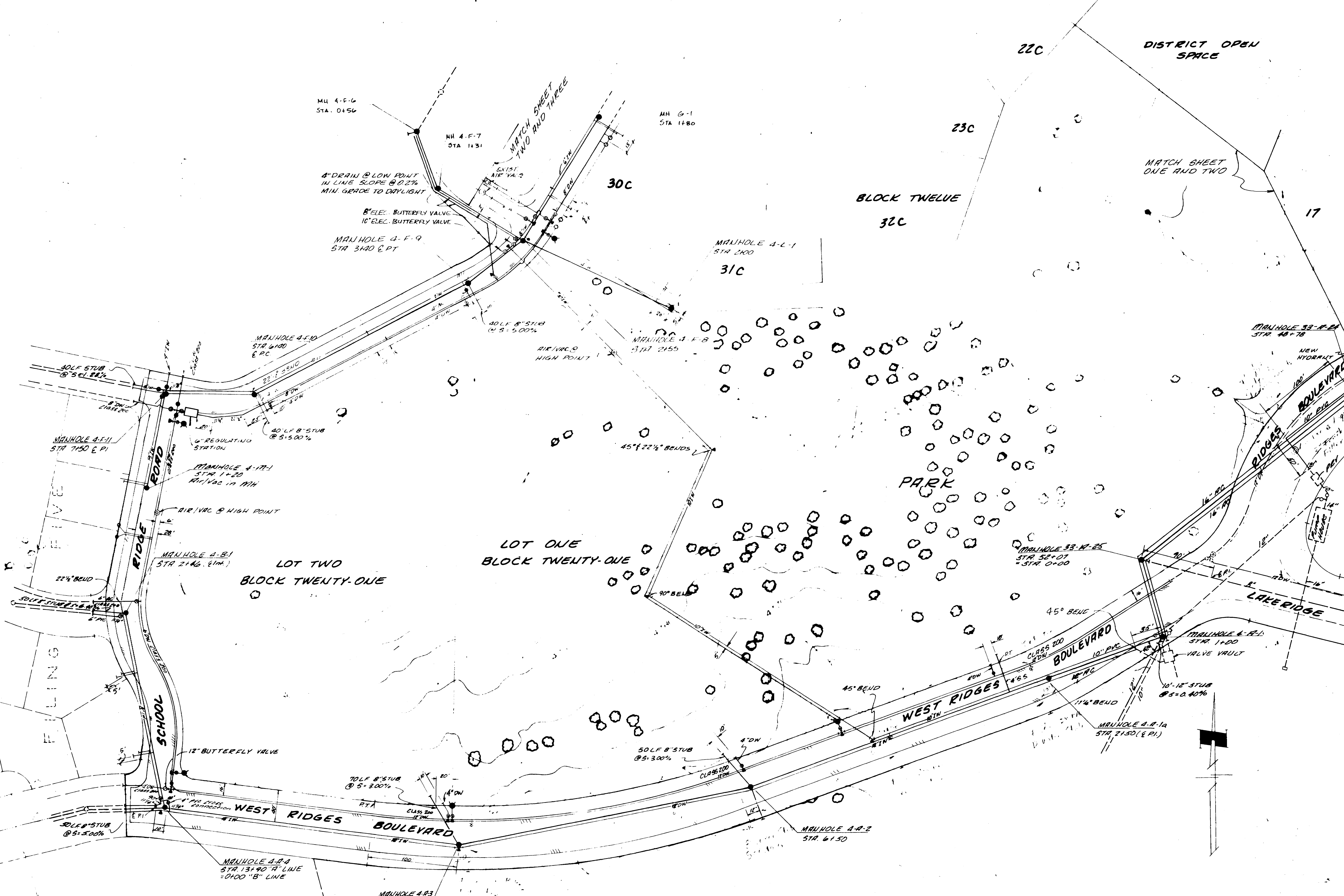
4820

4820

4820

4820





22C DISTRICT OPEN SPACE

BLOCK TWELVE
30C

LOT TWO
BLOCK TWENTY-ONE

LOT ONE
BLOCK TWENTY-ONE

PARK

SCHOOL

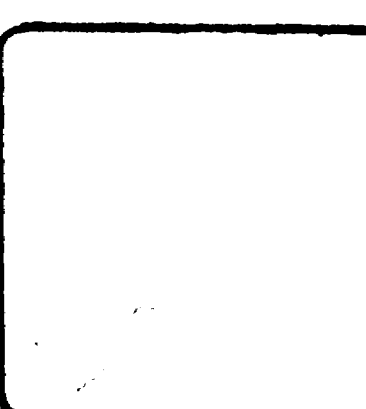
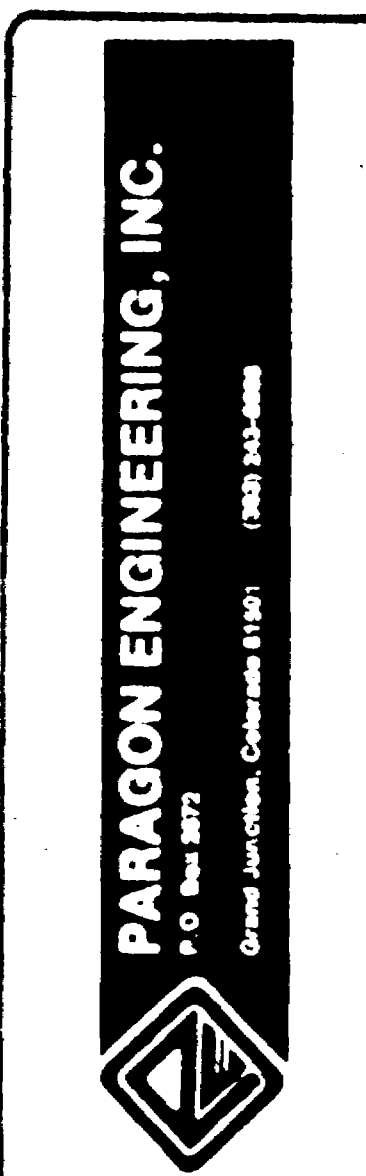
WEST RIDGES BOULEVARD

BOULEVARD

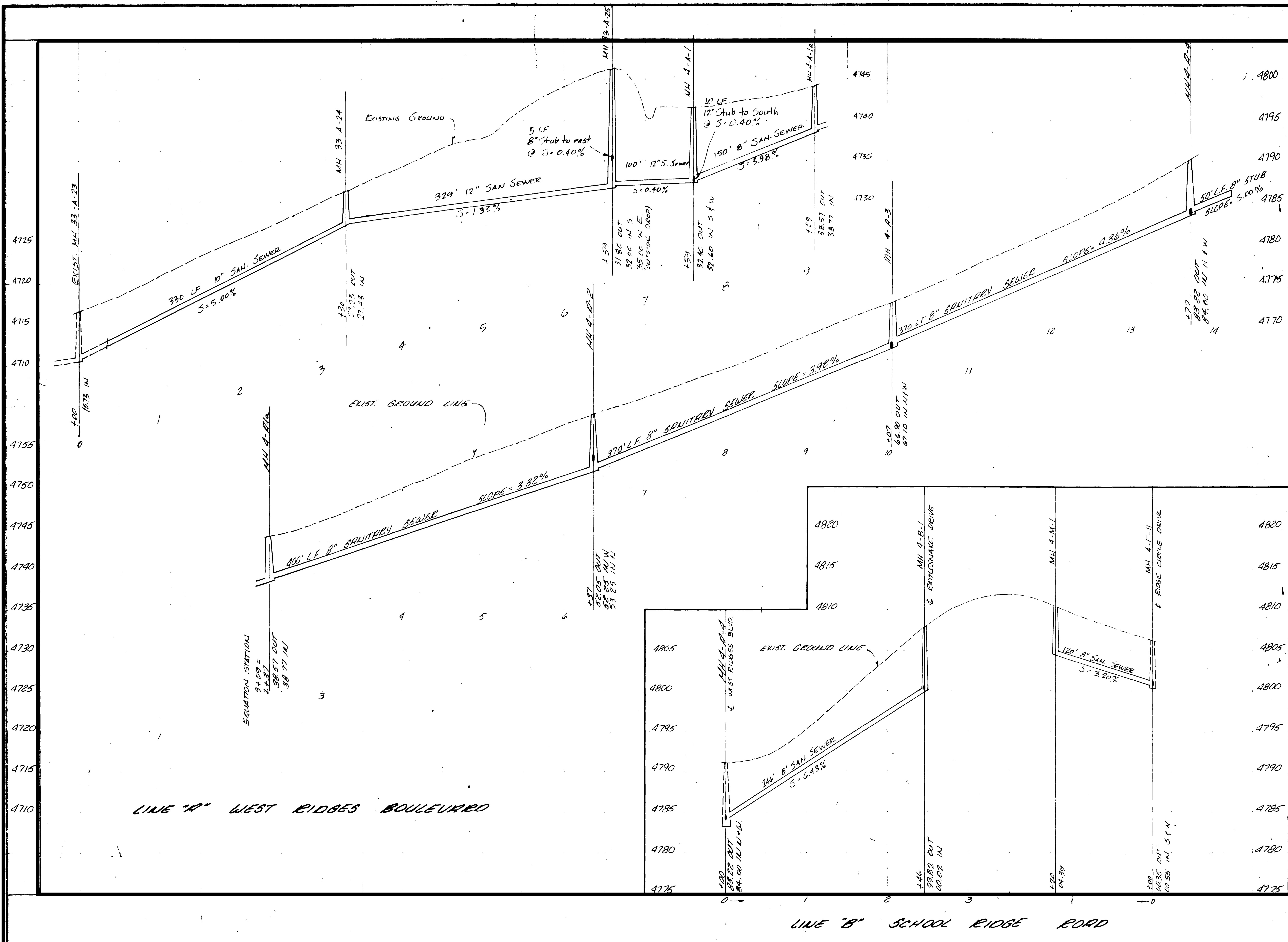
LAKE RIDGE

PHASE II

DATE: JANUARY, 1979
 SCALE: 1"=50'
 REVISED:
 SANITARY SEWER, WATER & IRRIGATION PLAN
 THE RIDGES FILING NO. FOUR
 MESA COUNTY, COLORADO
 SHEET
 7
 OF 11

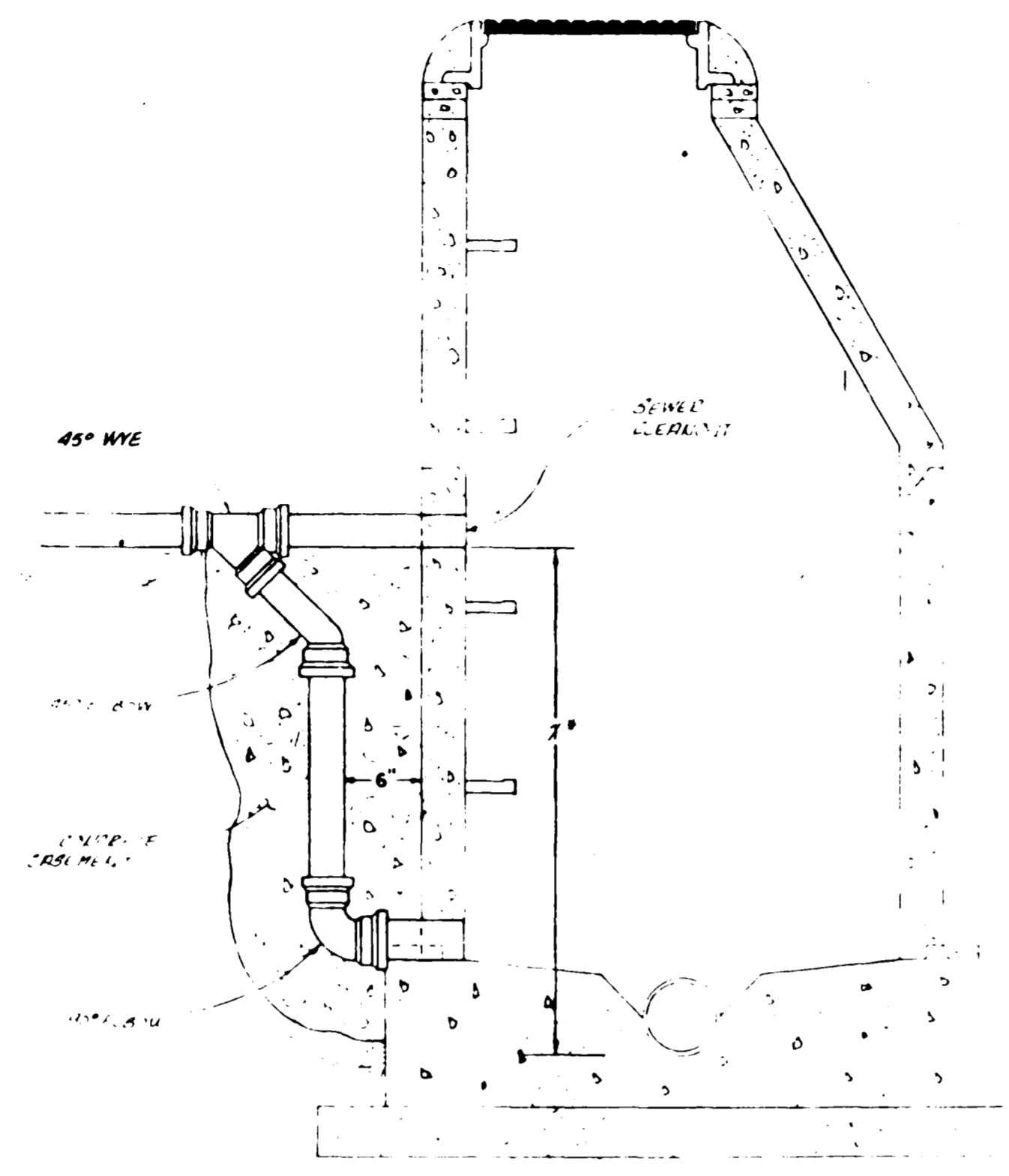
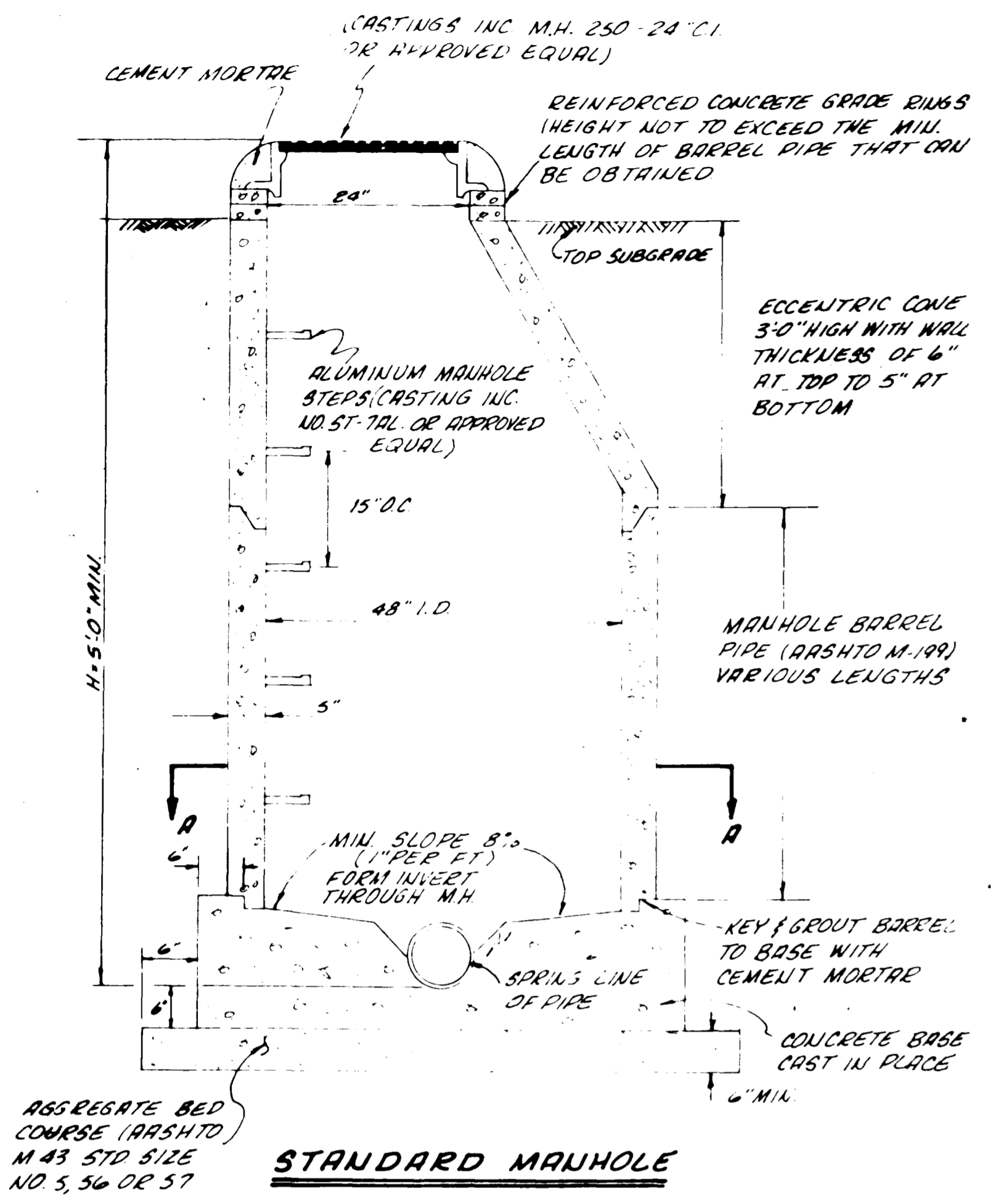


THE RIDGES
 FILING NO. FOUR
 MESA COUNTY, COLORADO
 SANITARY SEWER PROFILES

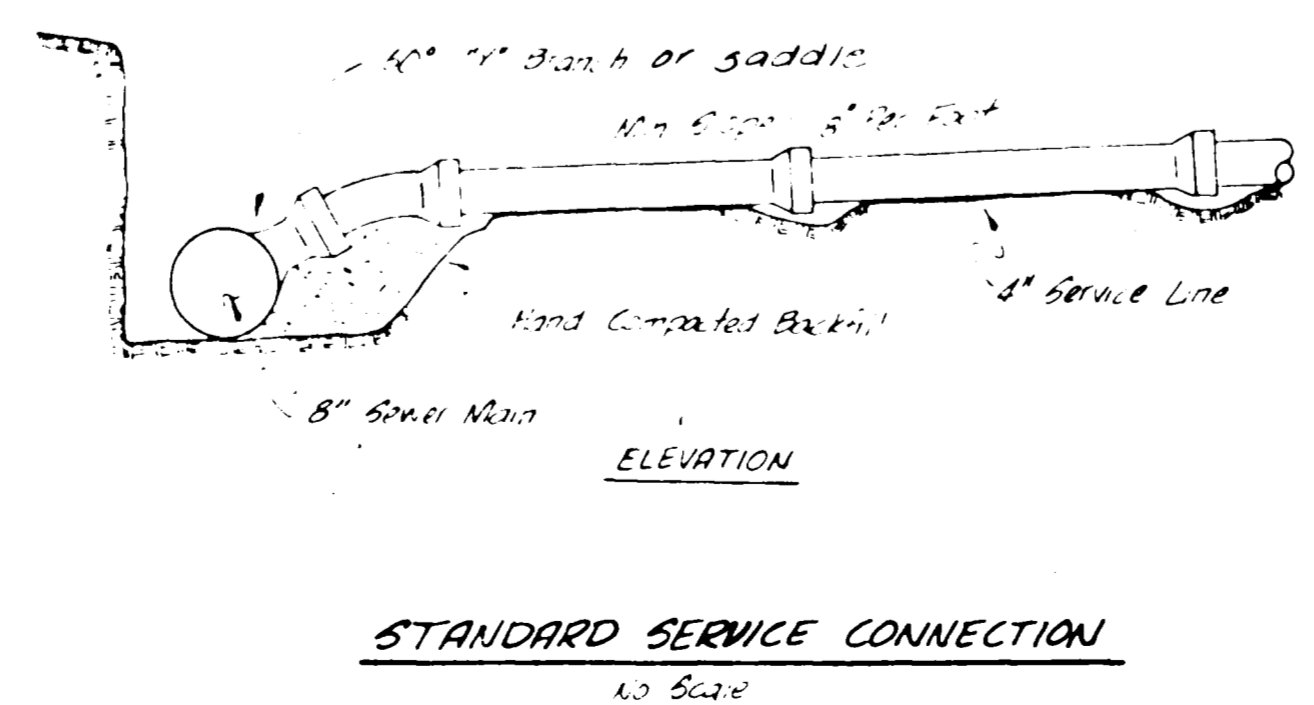
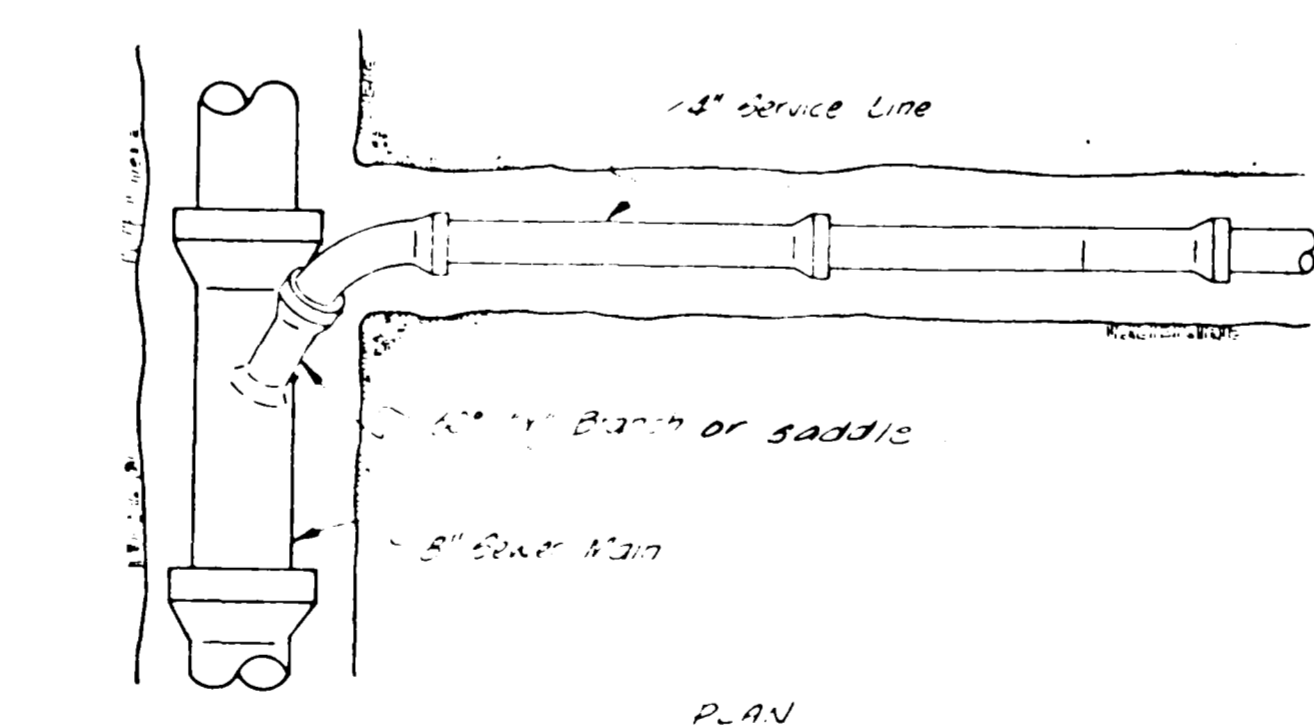
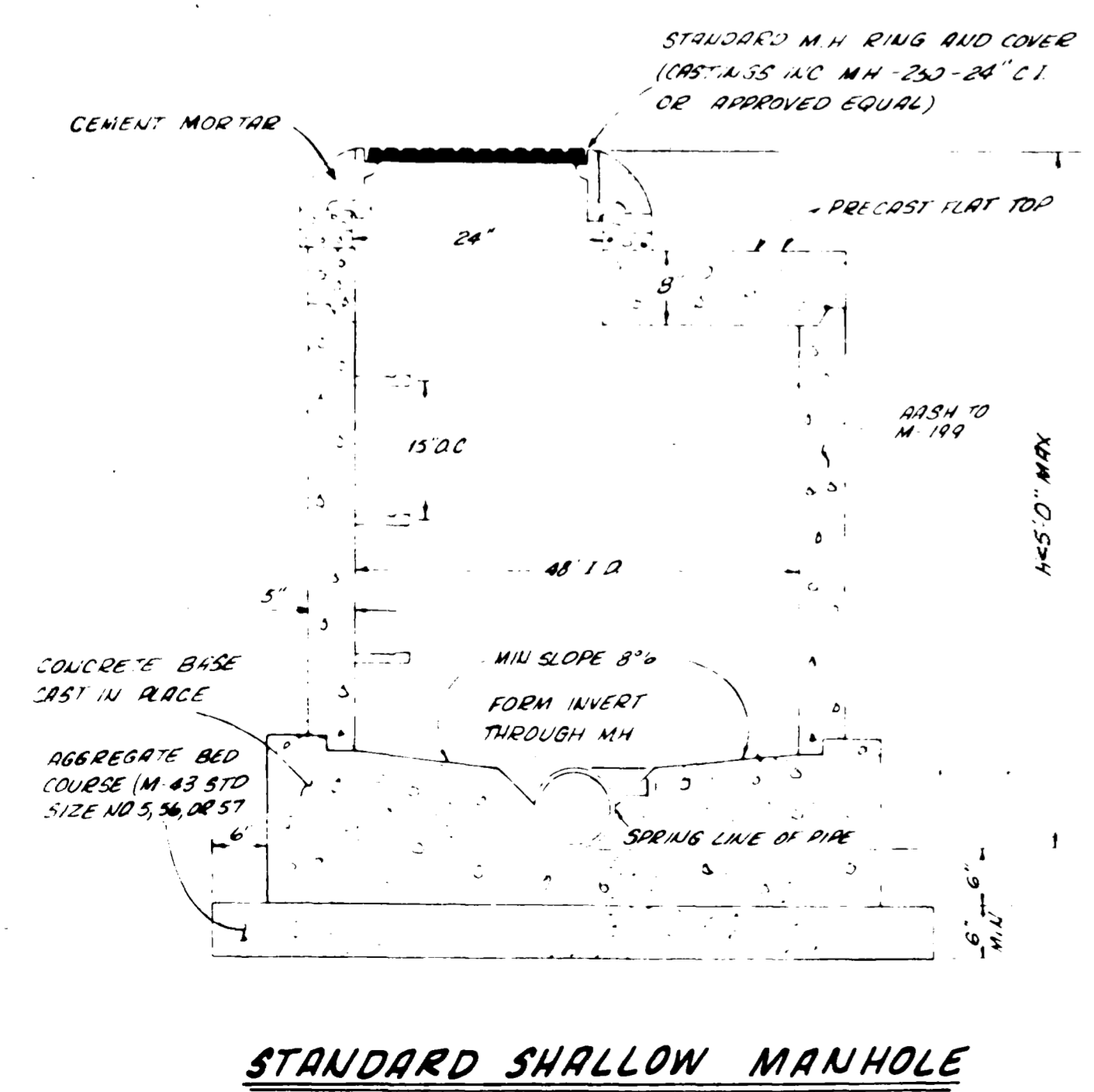


REVISIONS	BY

PARAGON ENGINEERING, INC.
 P.O. Box 2872
 Grand Junction, Colorado 81501 (303) 41-6866

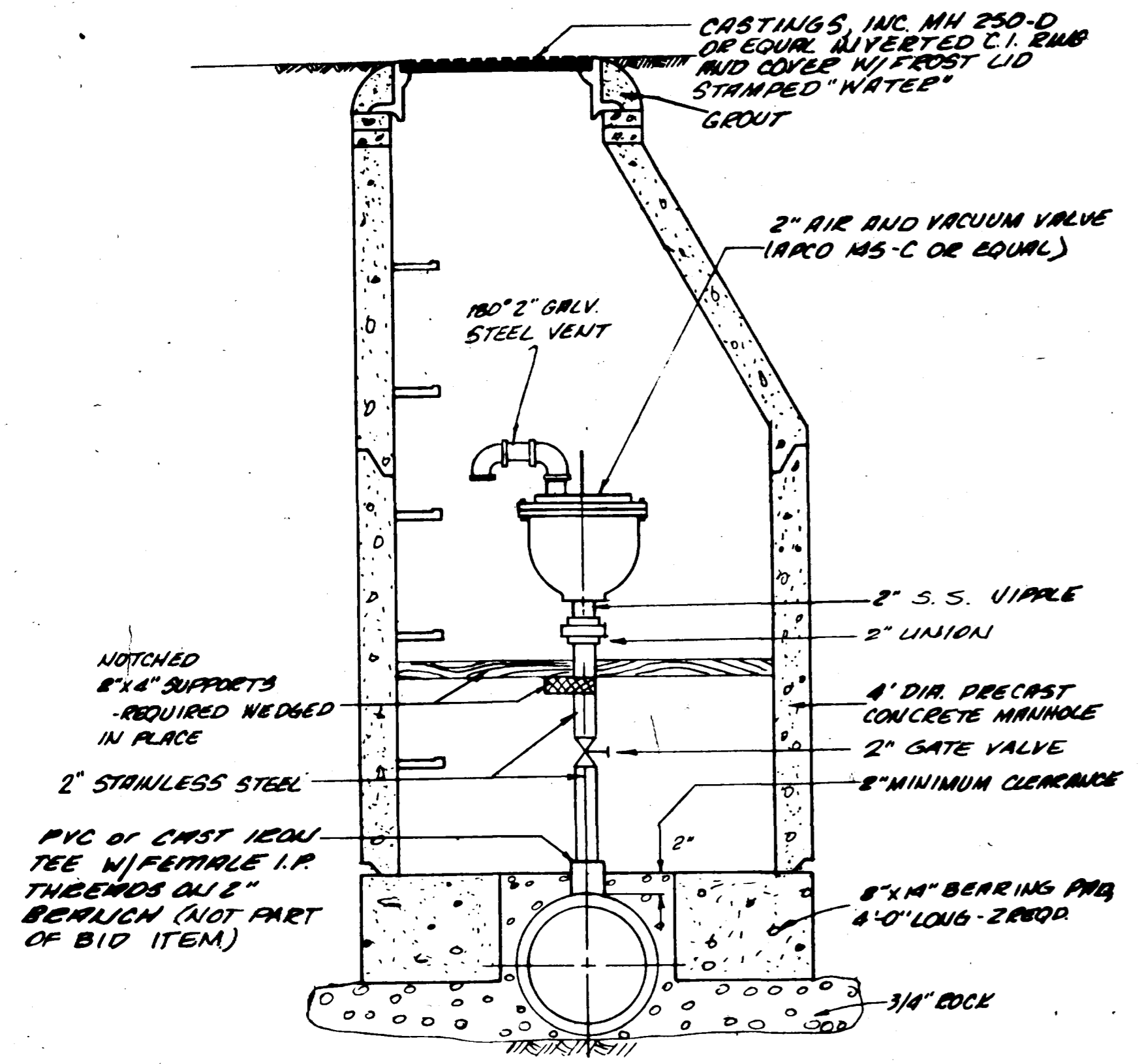


* OUTSIDE DROP REQUIRED WHEN INVERTS ARE TO BE LOWER THAN 24" FROM INVERT TO INVERT FROM PIPE TO MANHOLE



STANDARD SERVICE CONNECTION
 NO SCALE

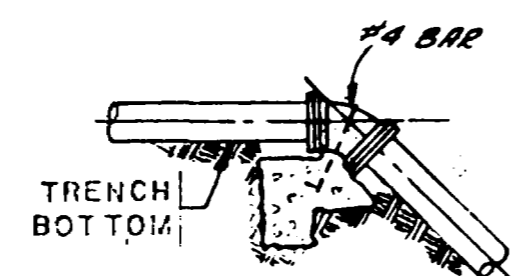
THE RIDGES, FILING NO. FOUR
 MESA COUNTY, COLORADO
 SANITARY SEWER DETAILS



COMBINATION AIR/VACUUM VALVE

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

SIZE	BENDS				TEES	GATE VALVES	DEAD ENDS
	90°	45°	22 1/2°	11 1/4°			
3	1.0	0.6	0.3	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	3.6	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

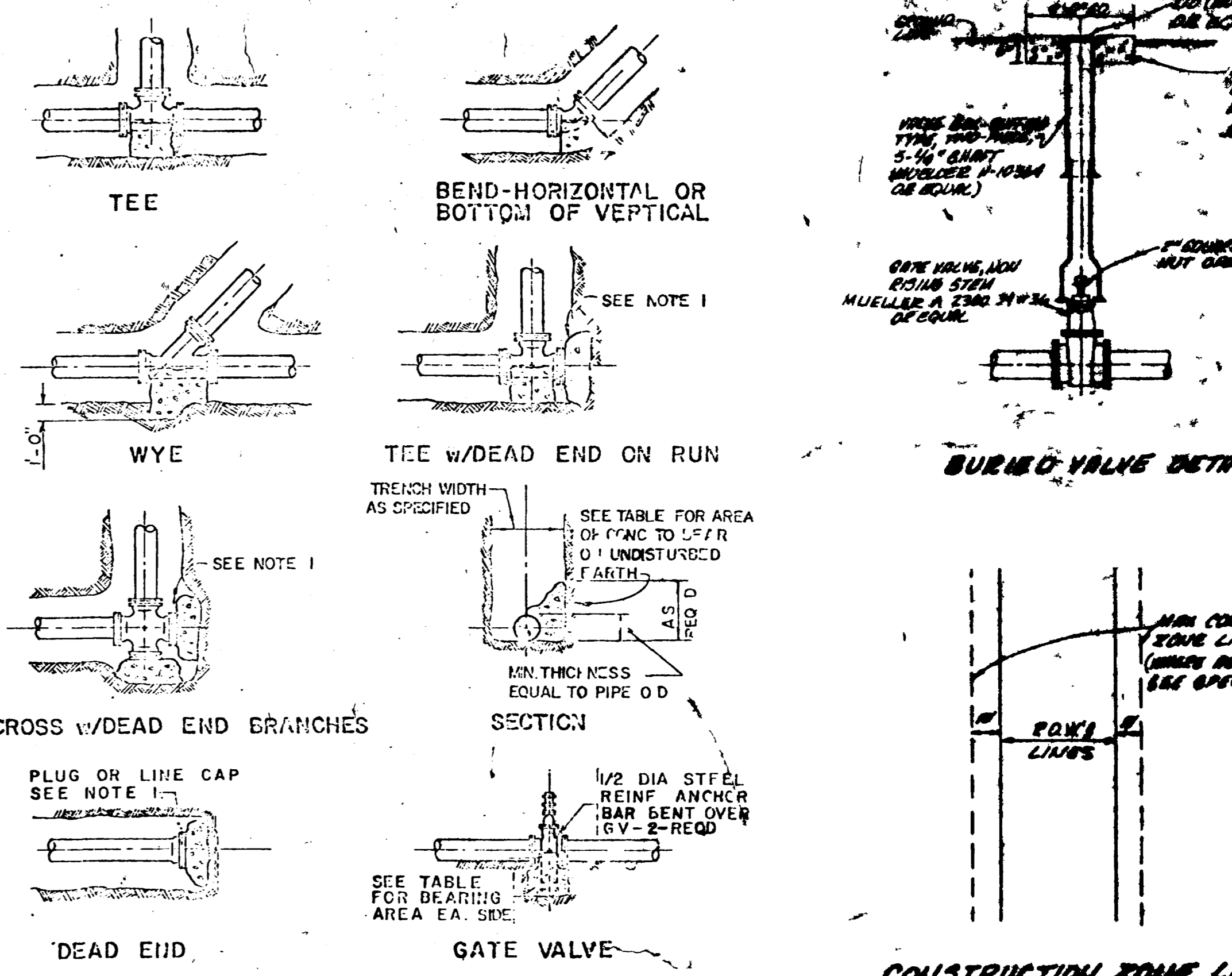


TOP OF VERT. BEND

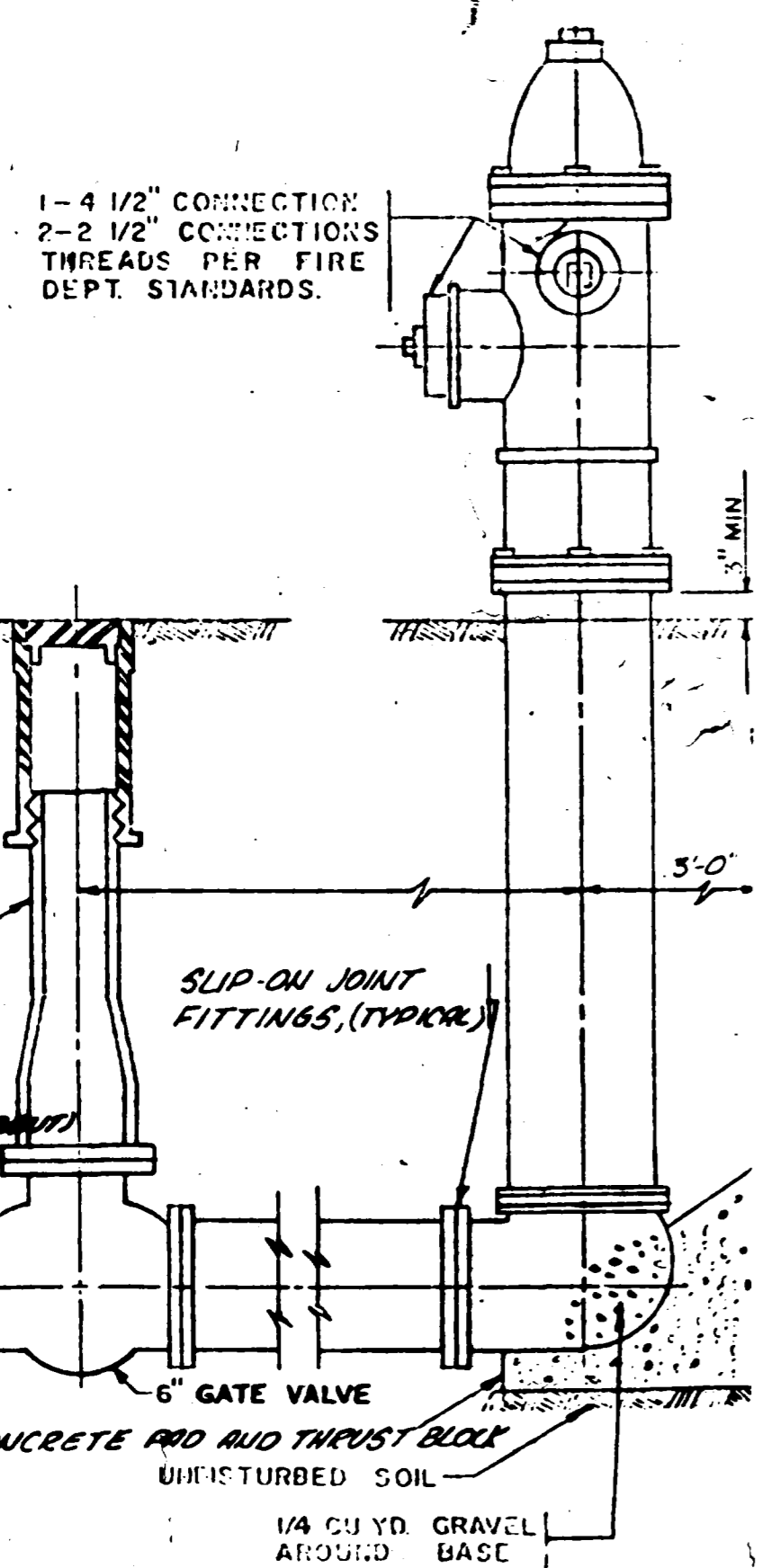
TABLE OF VOLUMES OF CONCRETE (IN CU. FT.)

SIZE	BEND		
	45°	22 1/2°	11 1/4°
3	7.4	3.8	1.8
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	117.0	60.0	29.8

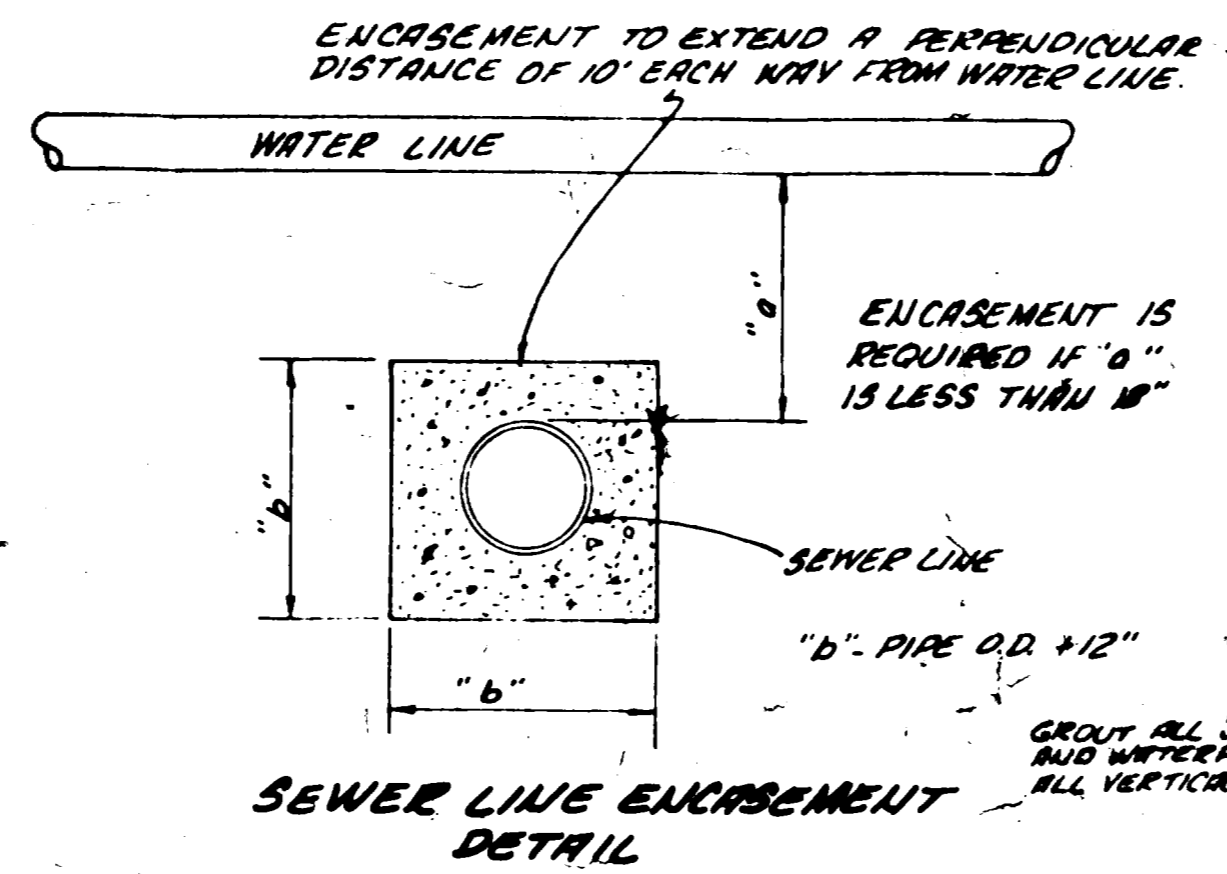
- NOTES FOR DRAWINGS**
- AT DEAD ENDS, WRAP FITTINGS WITH TAR PAPER, FELT, OR HEAVY KRAFT PAPER TO PROVIDE BOND BREAK BETWEEN CONCRETE AND FITTING.
 - ALL THRUST BLOCKING SHALL BE CAST-IN-PLACE CONCRETE HAVING A MINIMUM YIELD STRENGTH OF 2000 PSI.
 - THRUST BLOCKING SHALL BE CAST AGAINST UNDISTURBED EARTH FORMS SHALL BE USED AS REQD TO OBTAIN ADEQUATE BEARING AREA AND TO CONFINE THE CONCRETE. THRUST BLOCKING SHALL BE ON THE FITTING OR END CAP ONLY AND SHOULD NOT BE ALLOWED TO SPILL OVER THE JOINT OR AGAINST THE PIPE.



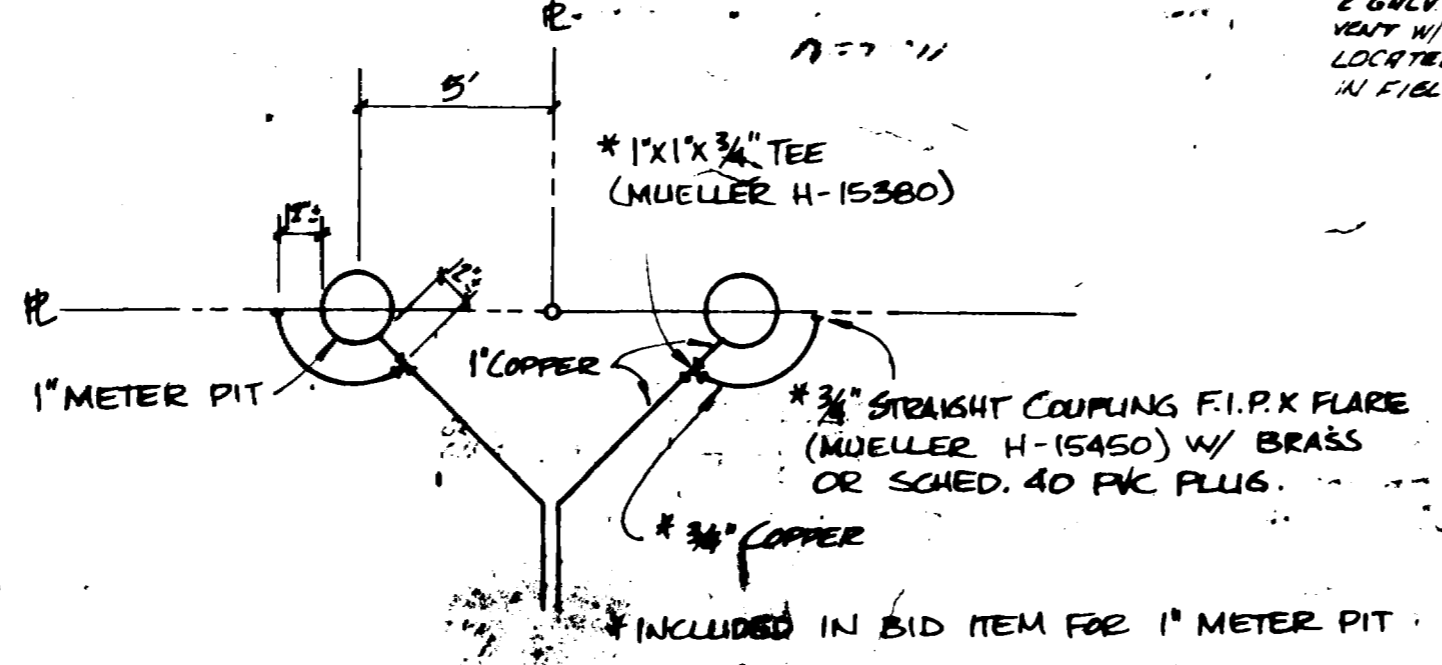
THRUST BLOCK DETAILS



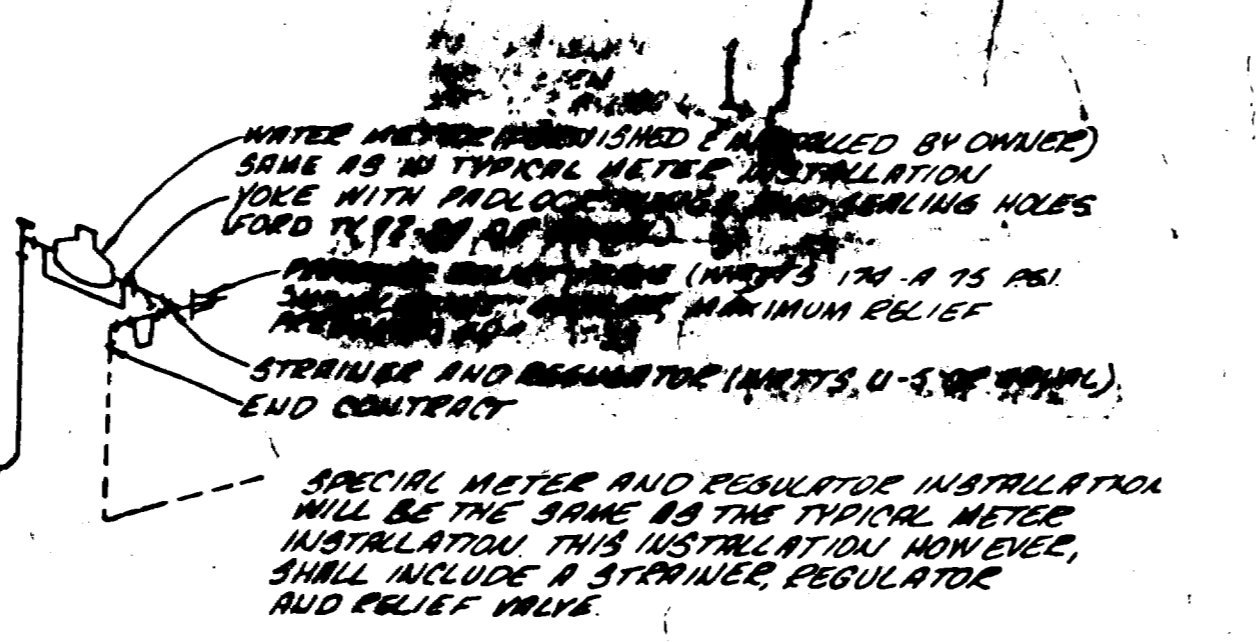
FIRE HYDRANT DETAIL



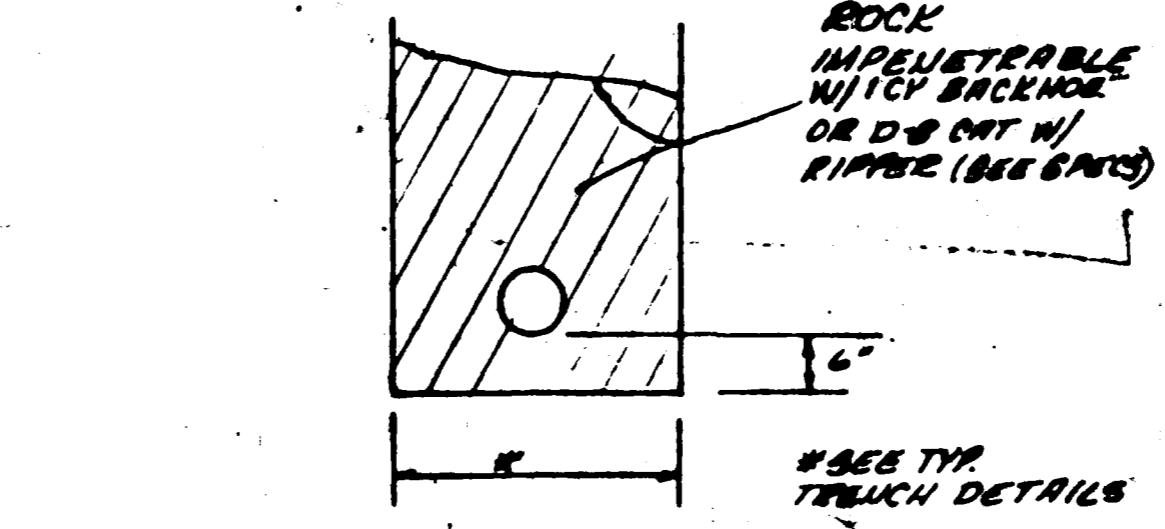
SEWER LINE ENCASEMENT DETAIL



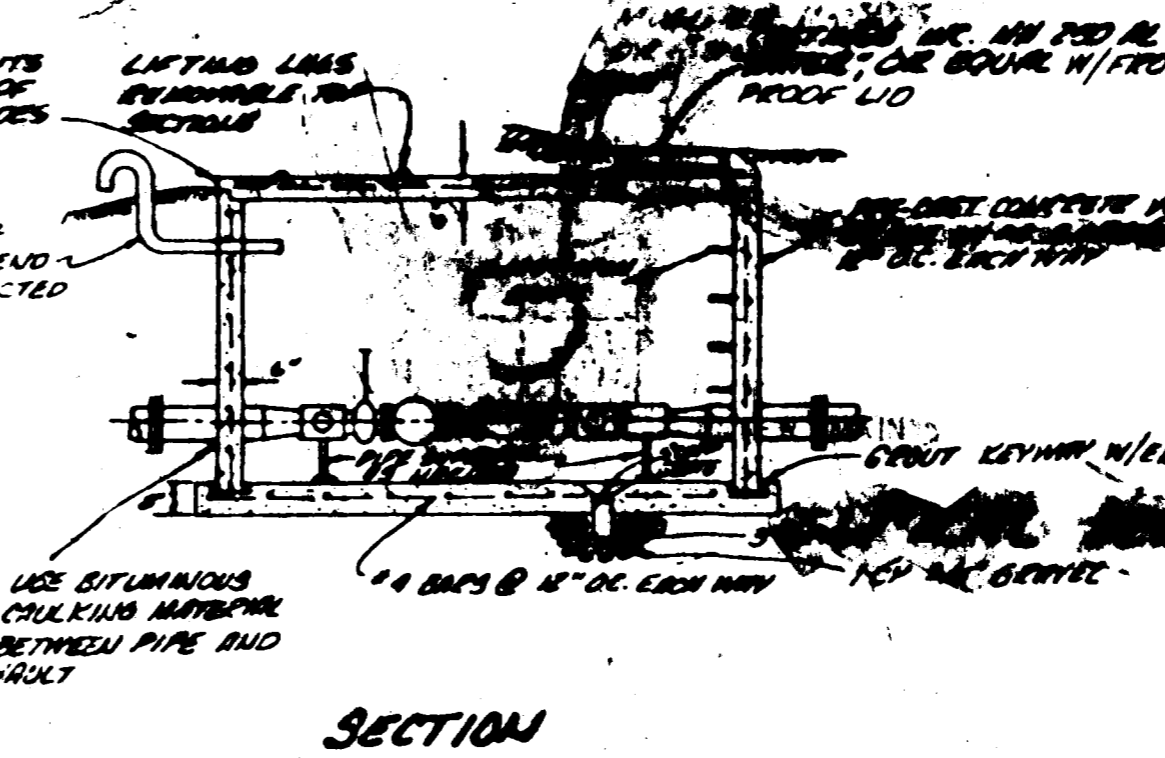
TYPICAL INSTALLATION - 1" METER PITS



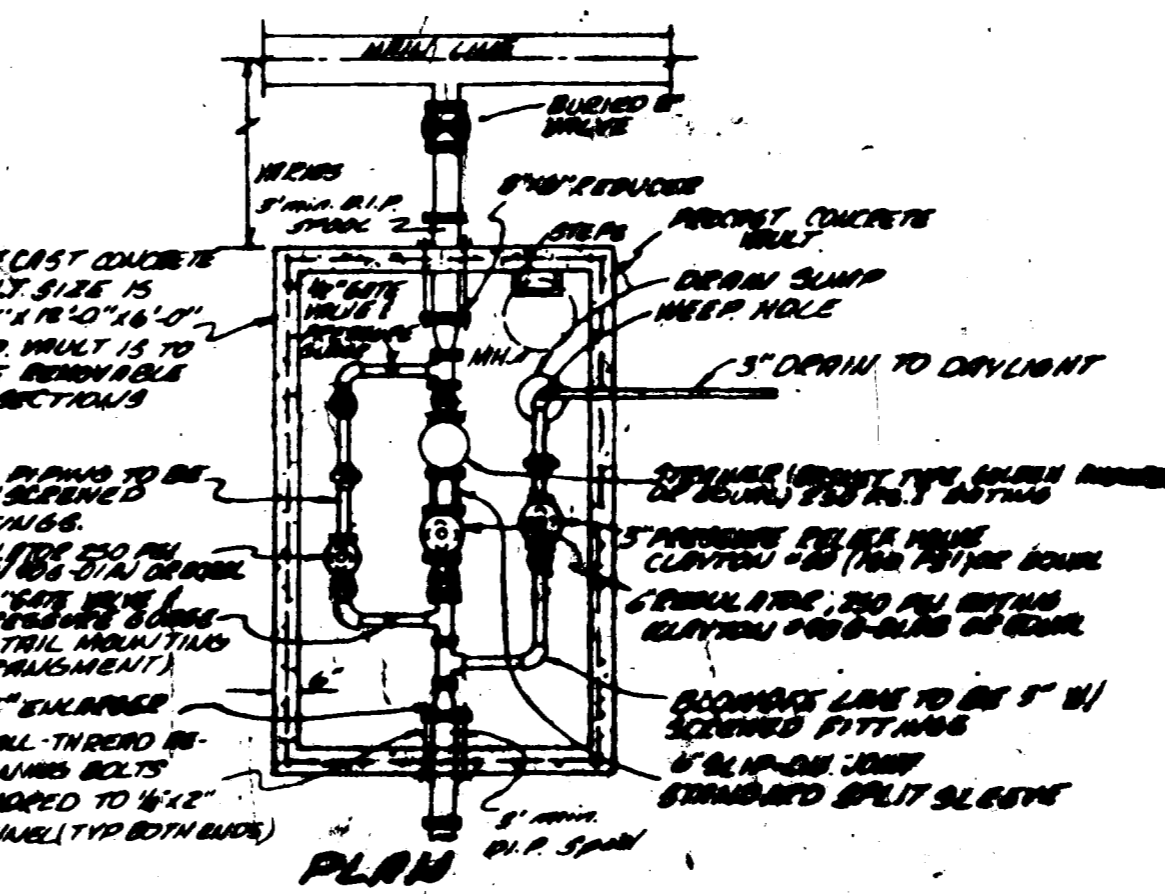
SPECIAL METER PIT WITH REGULATOR (USE ONLY WHERE DIRECTED)



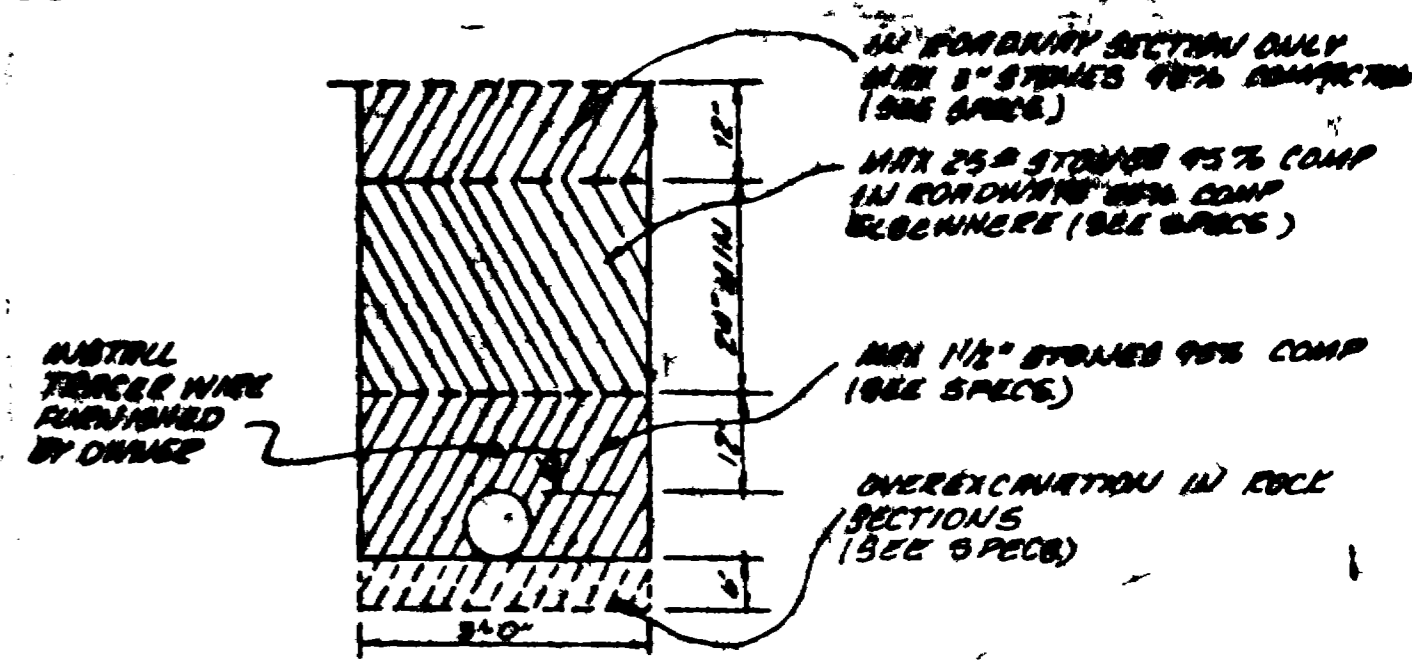
ROCK LIMITS (WHEN CLASSIFIED)



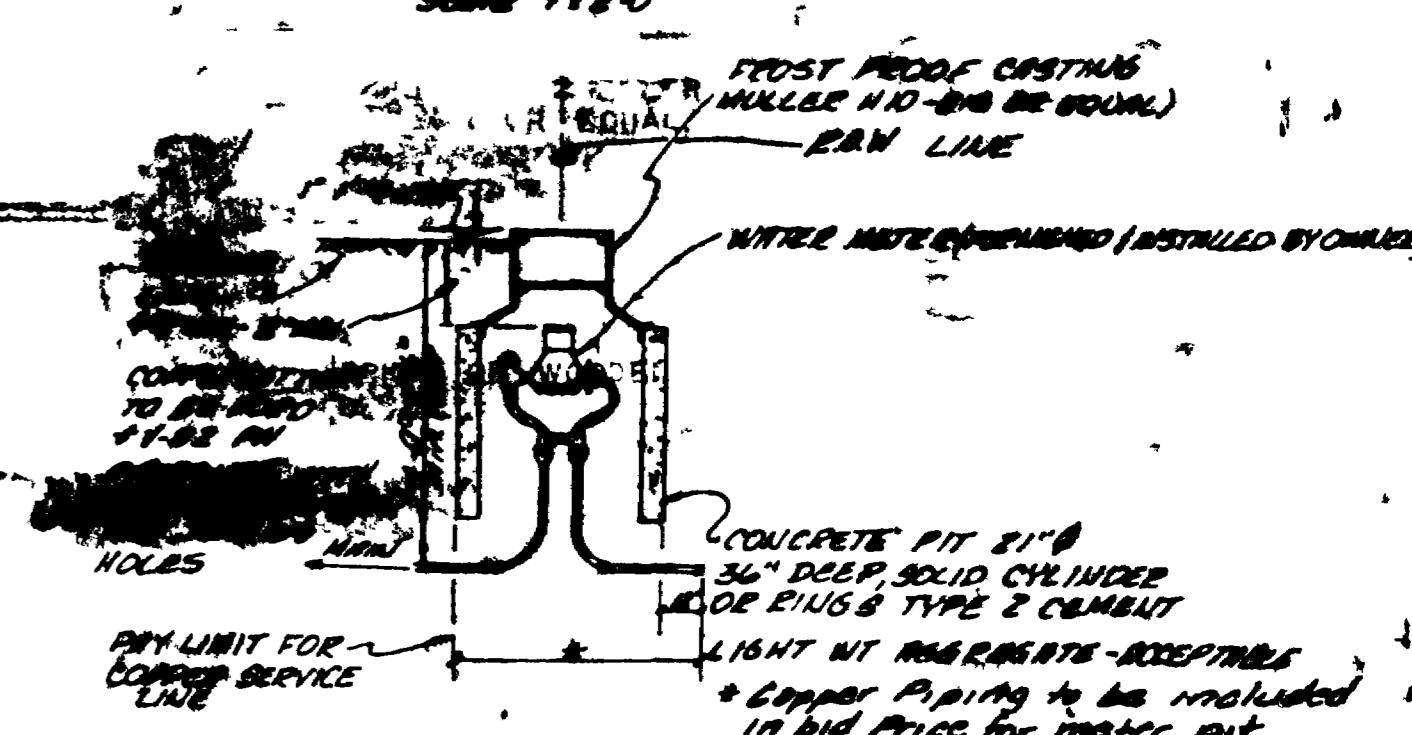
SECTION



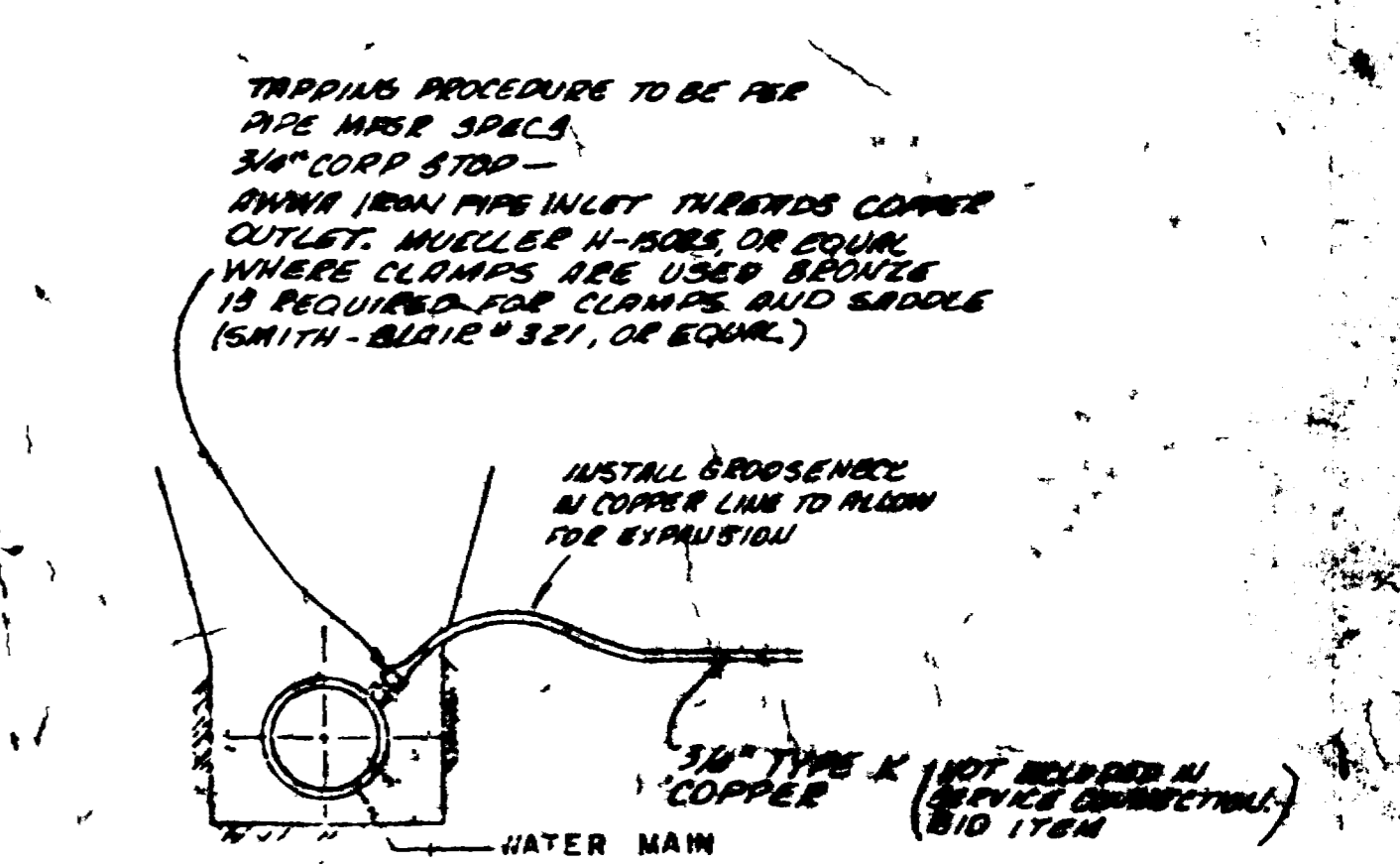
TYPICAL REGULATING STATION



TRENCH DETAIL



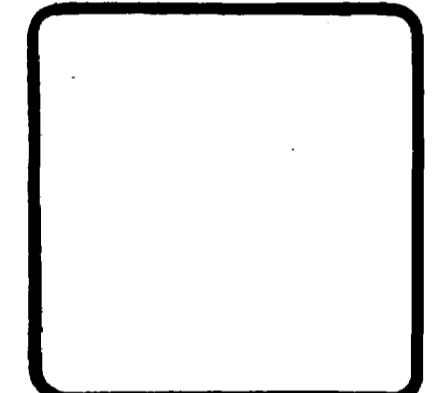
TYPICAL METER PIT



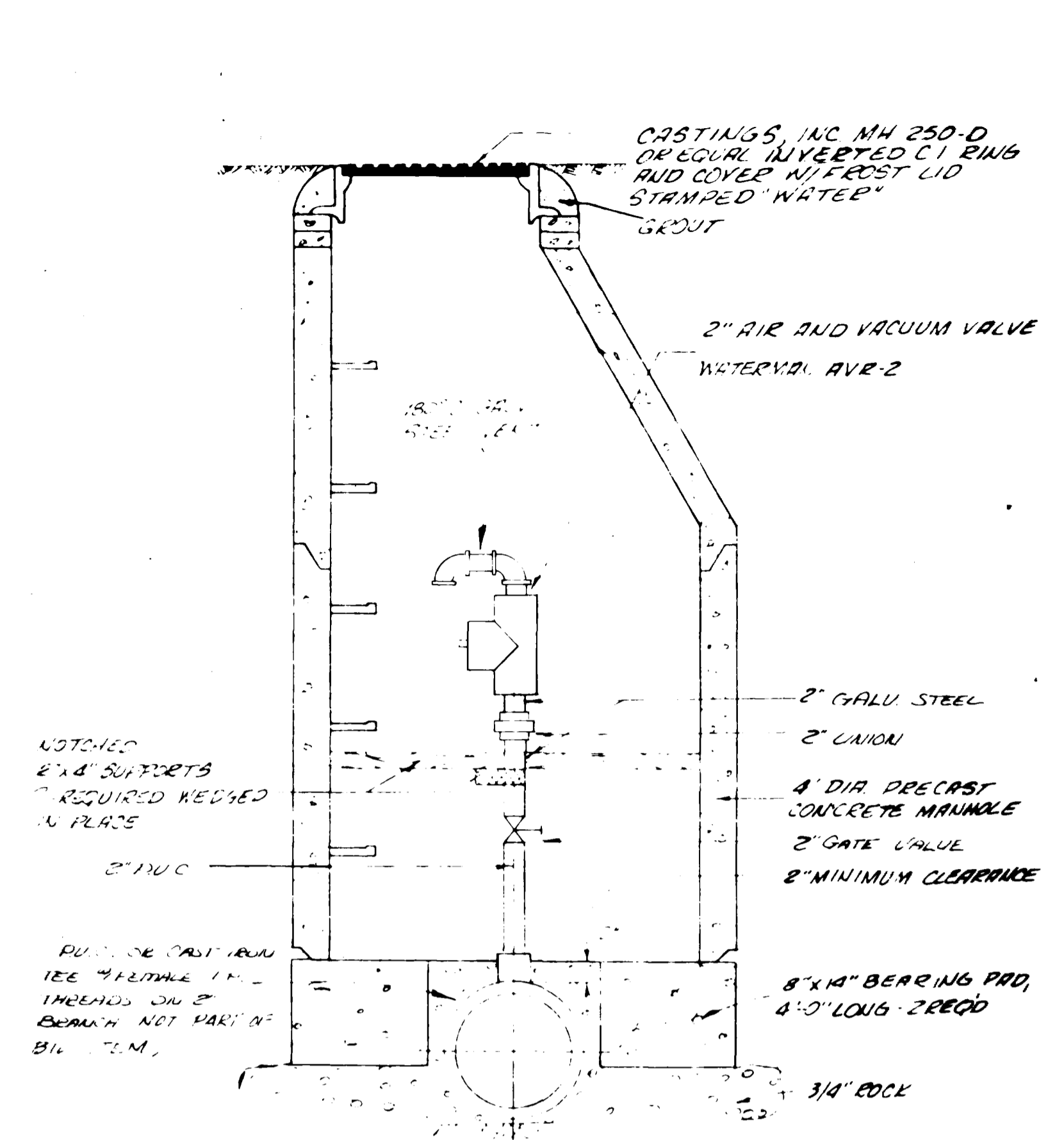
TYPICAL SERVICE CONNECTION

CHECKED	
DATE	JANUARY 1979
SCALE	AS SHOWN
REVISIONS	BY

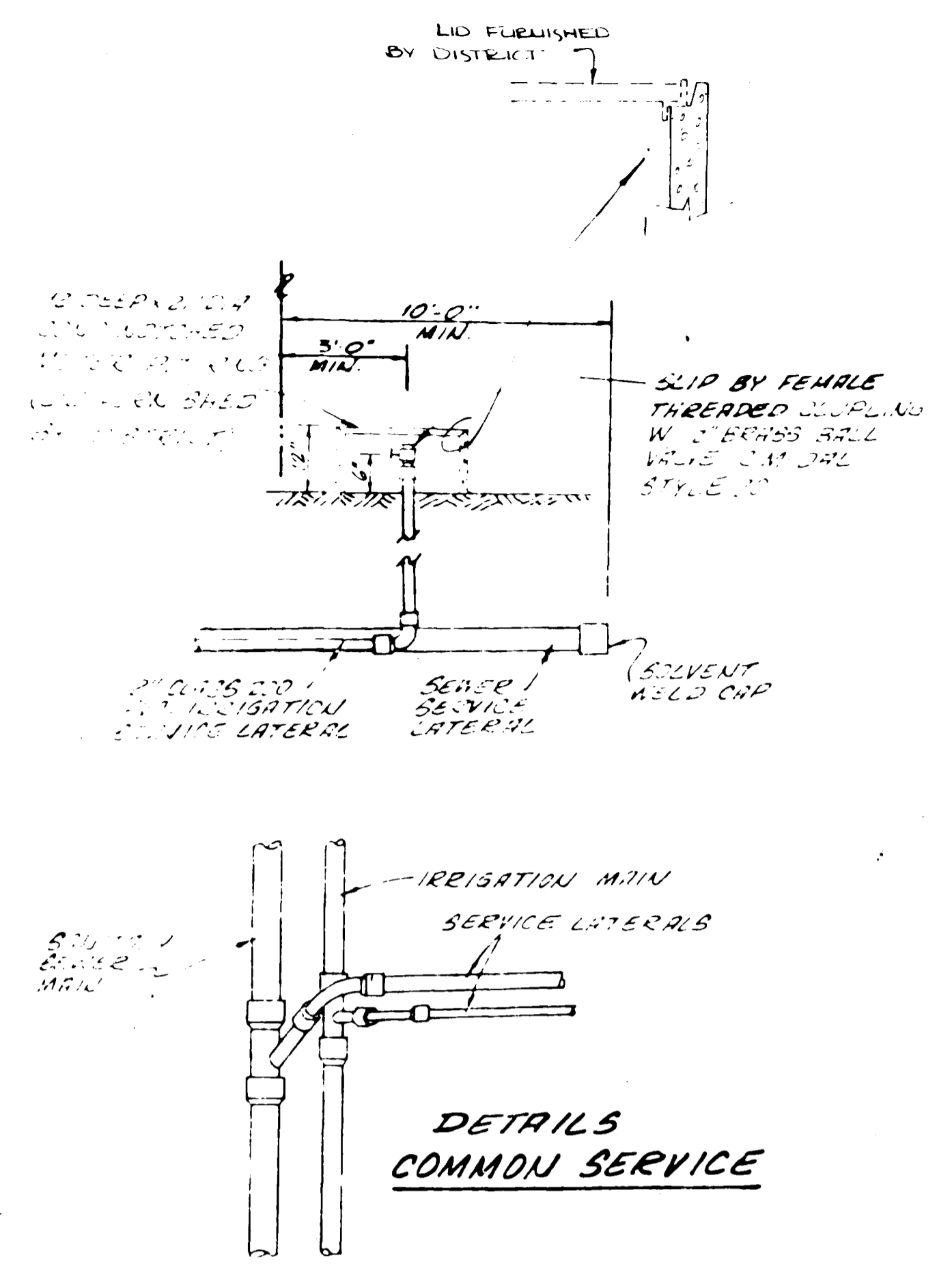
PARAGON ENGINEERING, INC.
 P.O. Box 2872
 Grand Junction, Colorado 81501 (303) 243-8986



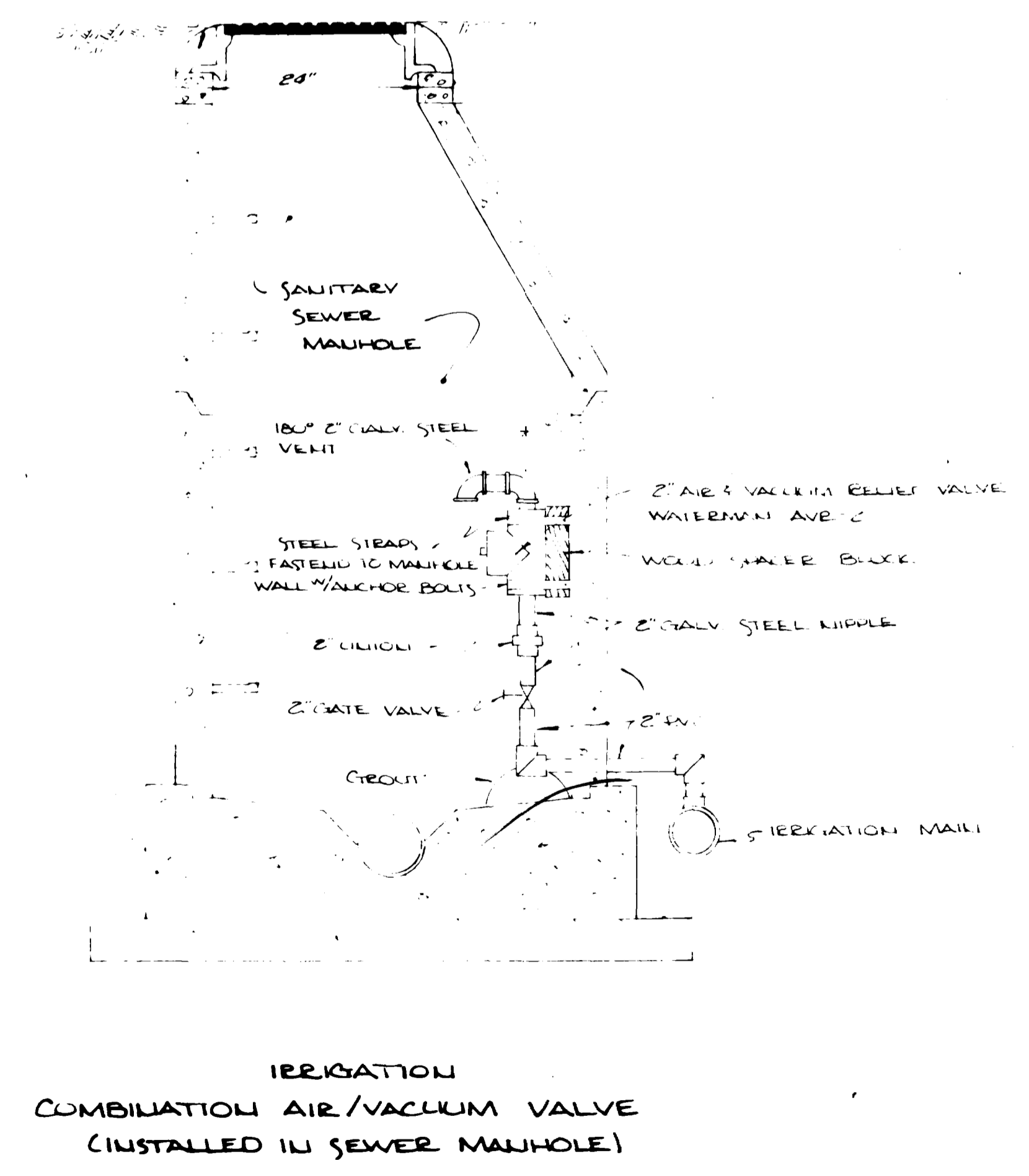
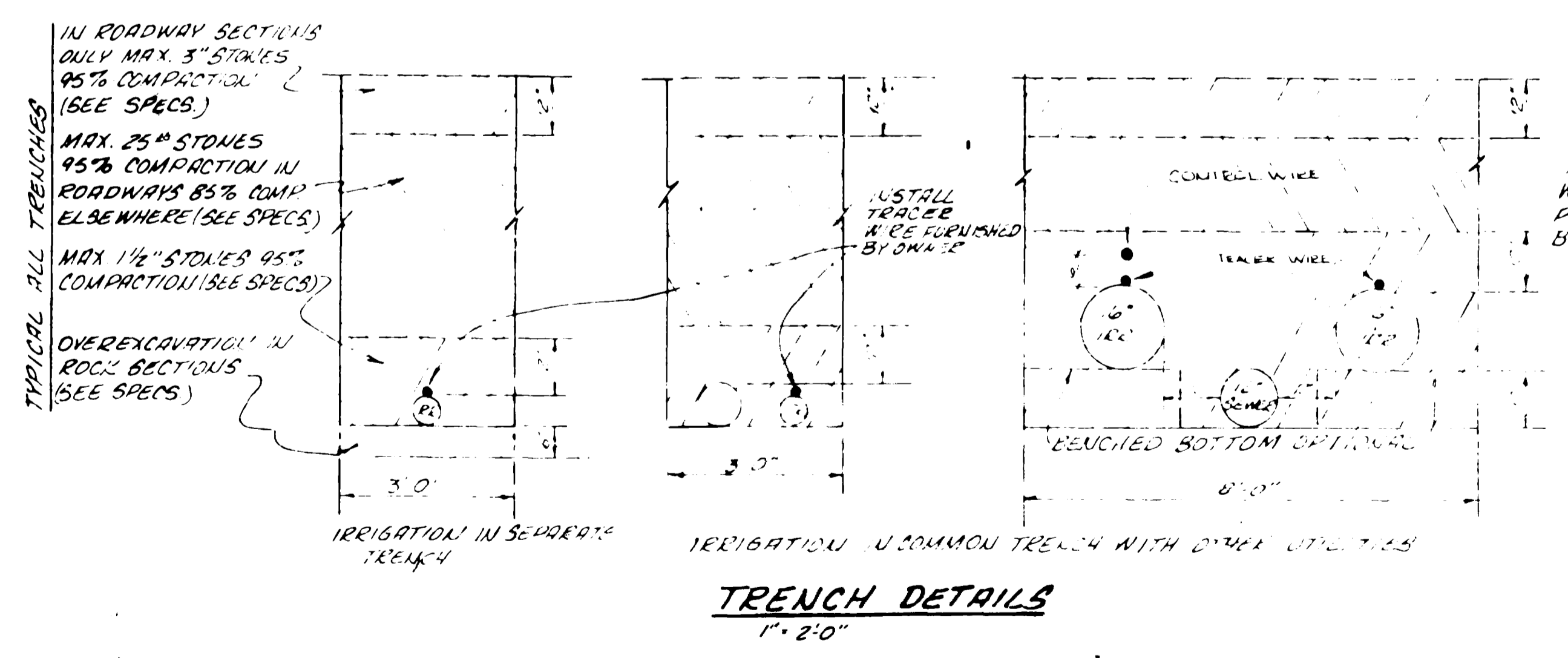
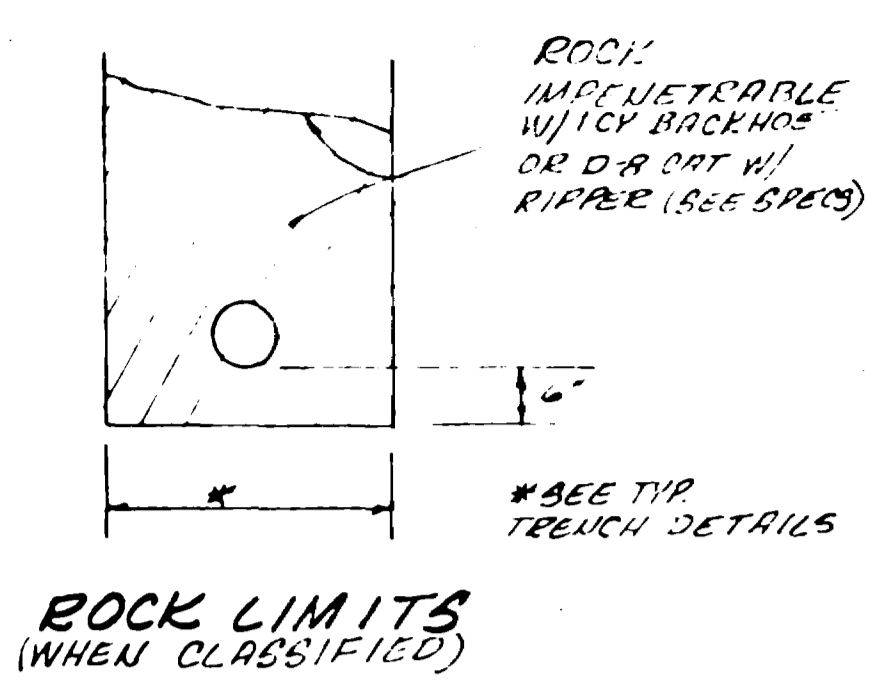
THE RIDGES, FILING NO. FOUR
 MESA COUNTY, COLORADO
 IRRIGATION DETAILS



IRRIGATION COMBINATION AIR/VACUUM VALVE (INSTALLED IN SEPARATE VAULT)



DETAILS COMMON SERVICE



IRRIGATION COMBINATION AIR/VACUUM VALVE (INSTALLED IN SEWER MANHOLE)