

CONTRACT DRAWINGS

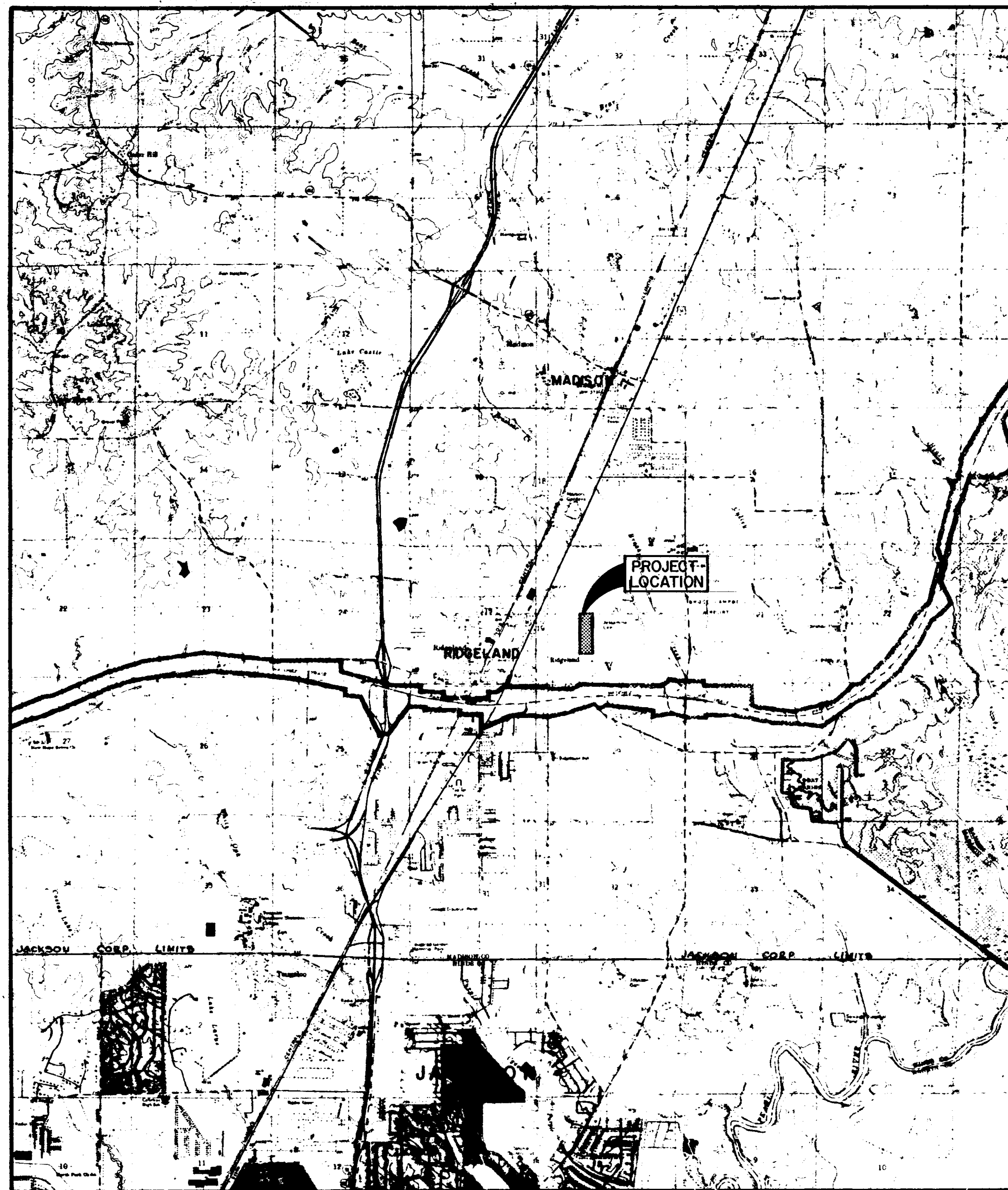
FOR

TRACE RIDGE SUBDIVISION PART 3

STREETS, DRAINAGE, SANITARY SEWER & WATER SYSTEM ESTIMATED QUANTITIES

INDEX TO DRAWINGS

SHEET NO.	DESCRIPTION
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3	GENERAL LAYOUT
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11	WATER DETAILS
12	SEWER DETAILS
13	DRAINAGE DETAILS



VICINITY MAP

ITEM NO.	ITEM DESCRIPTION	ESTIMATED QUANTITY	UNIT
STREETS AND DRAINAGE			
100-1	CLEARING AND GRUBBING	0.4	ACRES
200-1	EXCAVATION - COMMON	7700	CY
200-2	EXCAVATION - CHANNEL	100	CY
200-3	EMBANKMENT - STREET	400	CY
200-4	EMBANKMENT - DITCH	1500	CY
200-5	EMBANKMENT - BERM	120	CY
400-1	4" BLACK BASE COURSE	3079	SY
400-2	6" BLACK BASE COURSE	6667	SY
400-3	1-1/2" SURFACE COURSE	9746	SY
400-4	REMOVE EXIST. ASPHALT	1290	SY
500-1	CONCRETE CURB & GUTTER	5365	LF
600-1	CURB INLET	12	EA
600-2	DROP INLET W/NON-TRAFFIC GRATE	4	EA
600-3	JUNCTION BOX	2	EA
600-4	STORM MANHOLE	1	EA
600-5	CONN. TO EXISTING METAL PIPE	3	EA
600-6	15" RCP	1208	LF
600-7	18" RCP	185	LF
600-8	24" RCP	404	LF
600-9	18" RCP FLARED END SECTION	1	EA
600-10	ROCK RIP-RAP	36	TONS
WATER DISTRIBUTION SYSTEM			
900-1	CONN. TO EXISTING WATER MAIN	2	EA
900-2	8" PVC WATER MAIN C-900 CLASS 150	1390	LF
900-3	6" PVC WATER MAIN C-900 CLASS 150	735	LF
900-4	8" GATE VALVE WITH BOX	3	EA
900-5	6" GATE VALVE WITH BOX	3	EA
900-6	8"x8"x8" TEE	1	EA
900-7	8"x8"x6" TEE	6	EA
900-8	6" FIRE HYDRANT	3	EA
900-9	8" PLUG	3	EA
900-10	6" PLUG	2	EA
900-11	SERVICE ASSEMBLY	29	EA
900-12	3/4" SERVICE LINE	1145	LF
900-13	SERVICE MARKER	29	EA
SANITARY SEWER SYSTEM			
1000-1	CONNECTION TO EXISTING MANHOLE	1	EA
1000-2	8" GRAVITY SAN. SEWER (0'-6')	1470	LF
1000-3	8" GRAVITY SAN. SEWER (6'-8')	550	LF
1000-4	8" GRAVITY SAN. SEWER (8'-10')	193	LF
1000-5	8" DUCTILE IRON PIPE	20	LF
1000-6	48" STANDARD MANHOLE (0-6')	10	EA
1000-7	48" STANDARD MANHOLE (6'-8')	3	EA
1000-8	48" STANDARD MANHOLE (8'-10')	1	EA
1000-9	UNDERCUT & SELECT BACKFILL	25	CY
1000-10	6" SANITARY SEWER SERVICE	900	LF
1000-11	6" SERVICE TEE	20	EA
1000-12	SERVICE MARKER	29	EA
GRASS PLANTING			
1100-1	SEEDING	1.6	AC

I hereby certify that a final field survey was conducted and that these "as built" plans resulted from said survey and are true and correct to the best of my knowledge. I further certify that each improvement has been constructed in accordance with City specifications.

Phillip L. Browning, P. E. No. 5952

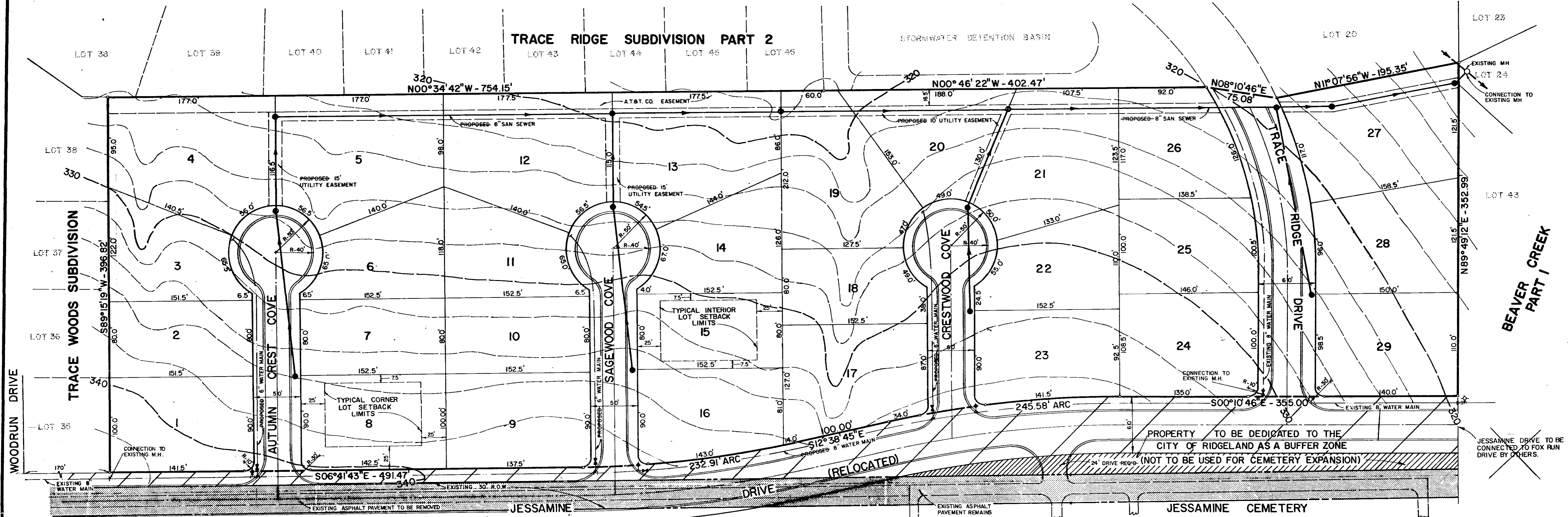
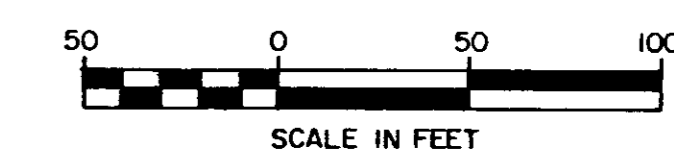
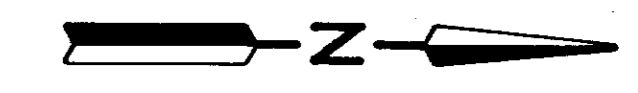
Prepared By:
Browning, Inc.
CONSULTING ENGINEERS - SURVEYORS
P. O. Box 12711
1056 Ridgewood Place
Jackson, Mississippi 39211

AS BUILTS

AUGUST, 1989

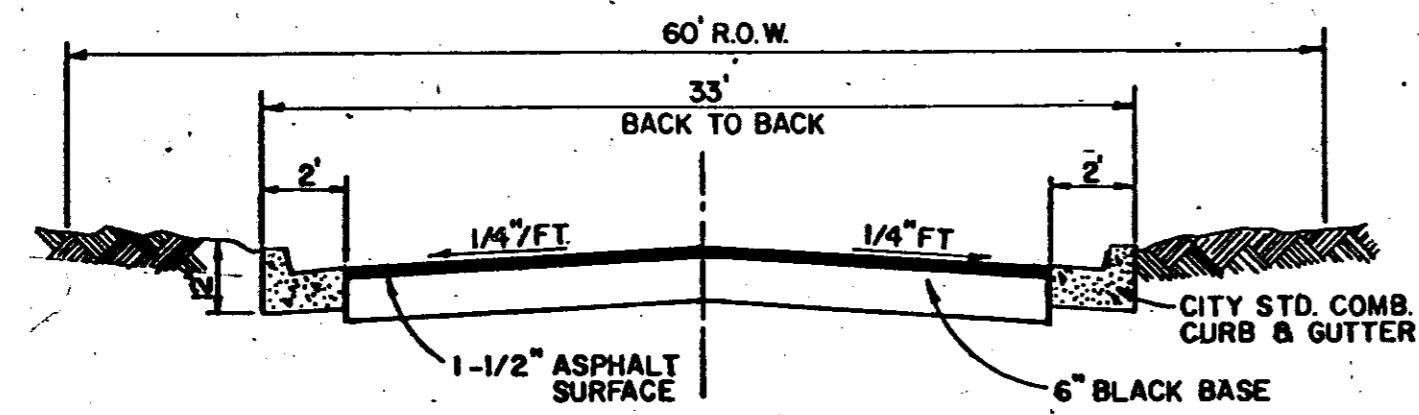
AS BUILT
Trace Ridge III

PWP-02006

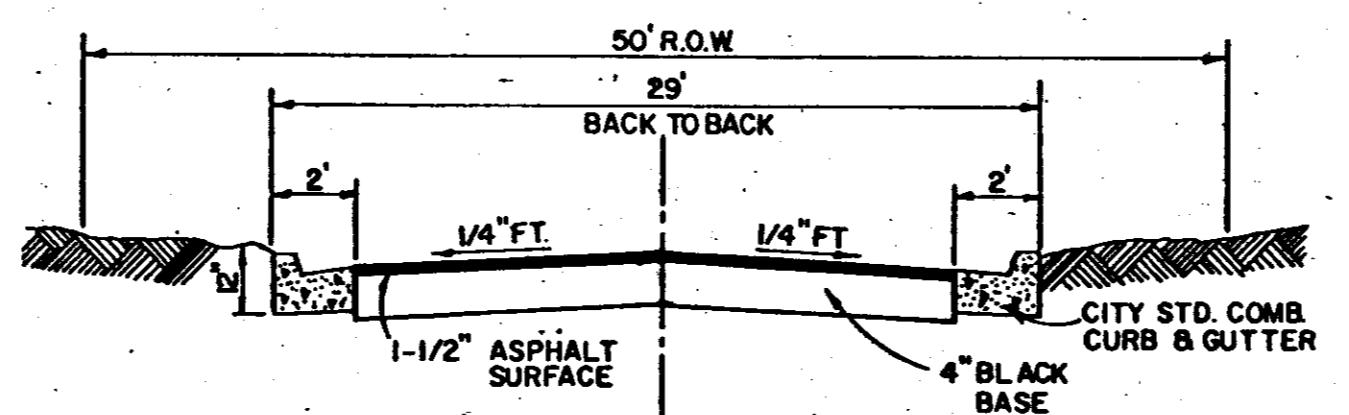


CURVE DATA
 $\Delta = 116^\circ 54' 04''$
 $R = 1121.28'$

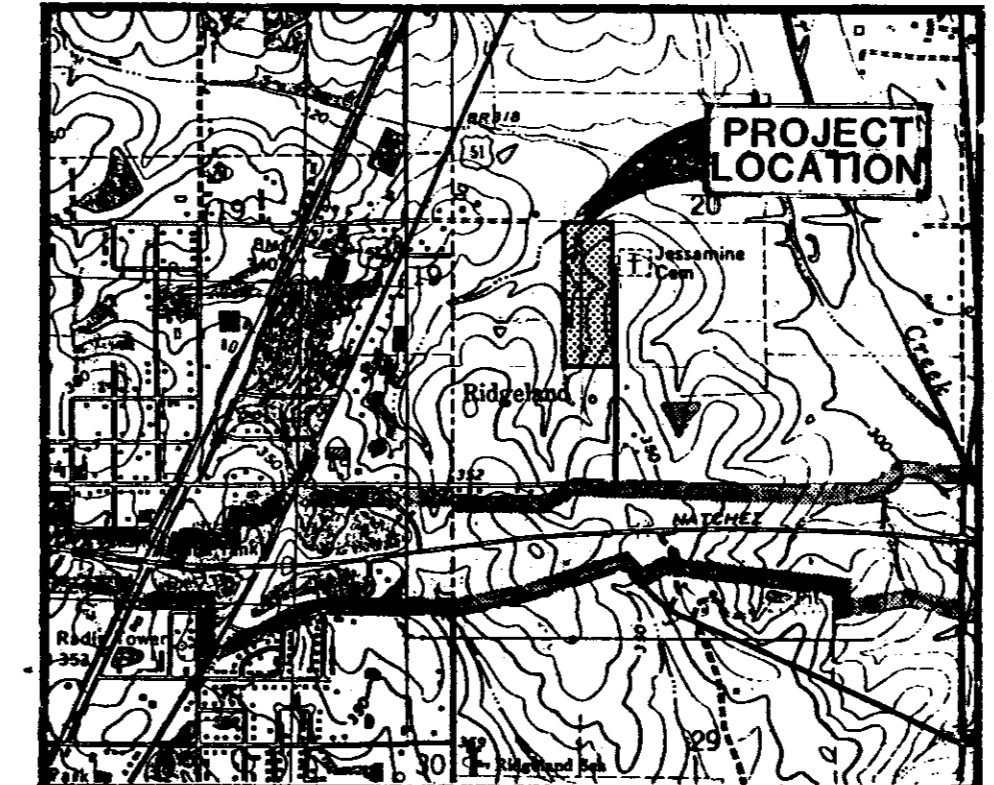
CURVE DATA
 $\Delta = 122^\circ 28' 01''$
 $R = 1128.64'$



TYPICAL STREET SECTION
(60' R.O.W.)



TYPICAL STREET SECTION
(50' R.O.W.)



VICINITY MAP
SCALE: 1" = 2000'

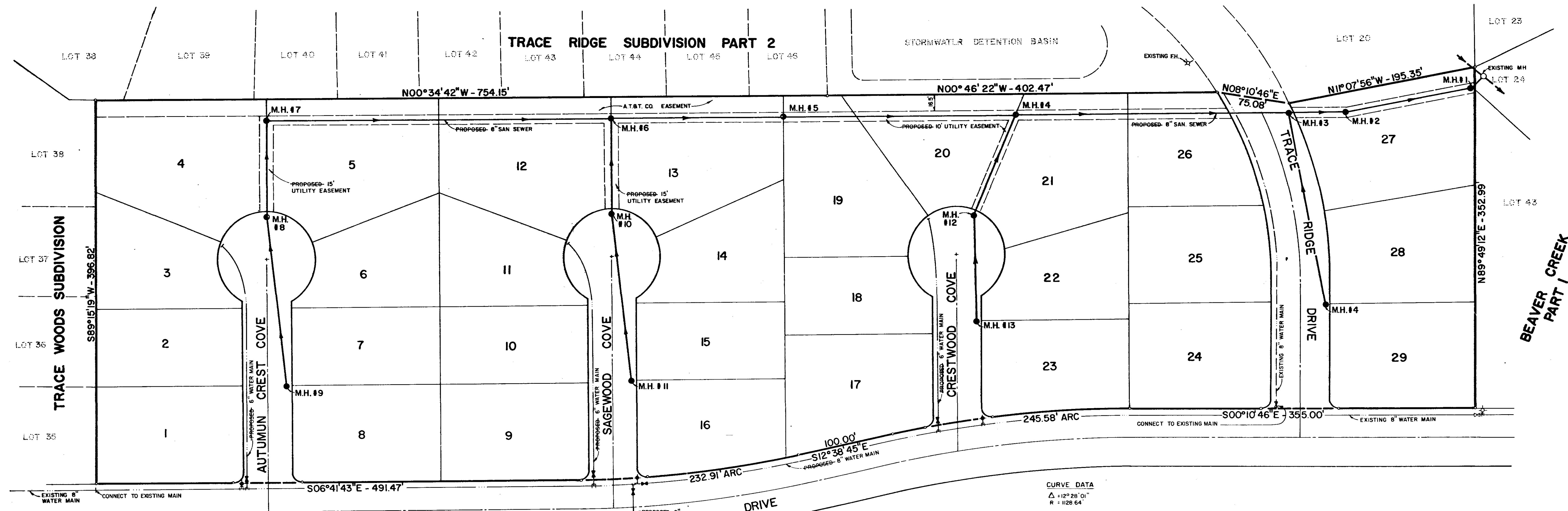
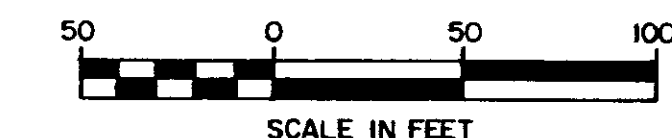
GENERAL NOTES

1. OWNER - FIRST SOUTHEAST CORP, MADISON, MISSISSIPPI.
2. CONTOURS ARE BASED ON MEAN SEA LEVEL DATUM.
3. THE PRESENT ZONING CLASSIFICATION OF THE SUBJECT PROPERTY IS R-2, SINGLE-FAMILY RESIDENTIAL DISTRICT.
4. JESSIMINE DRIVE TO BE IMPROVED FROM WOODRUN DRIVE TO THE NORTH PROPERTY LINE.
5. THIS PROPERTY IS LOCATED IN ZONE "C" ACCORDING TO THE FLOOD INSURANCE RATE MAP COMMUNITY PANEL NUMBER 280228 0295B, EFFECTIVE DATE JANUARY 2, 1980.

PRELIMINARY PLAT
TRACE RIDGE SUBDIVISION, PART 3
29 LOTS - 11.90 ACRES

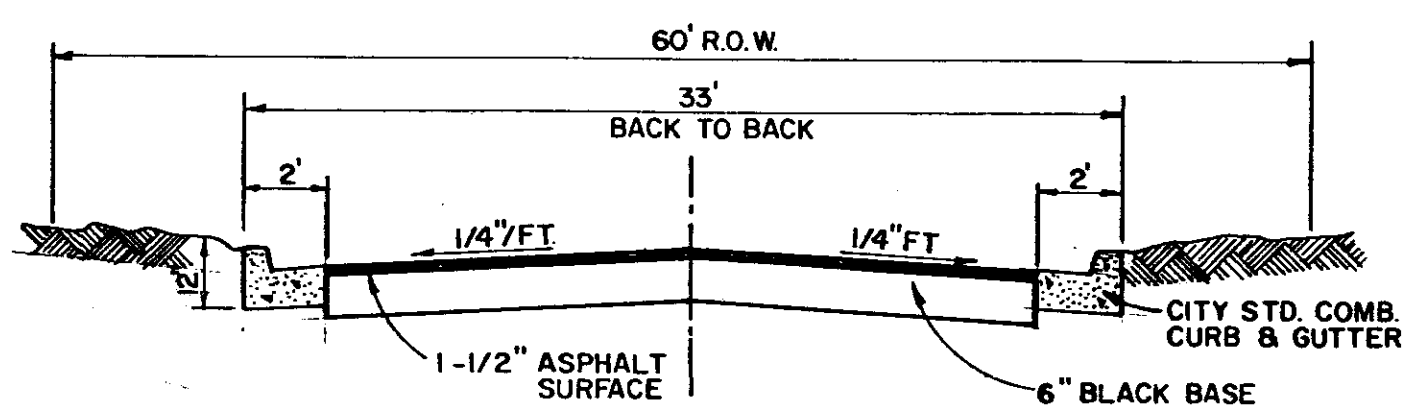
SITUATED IN
SW 1/4 OF SECTION 20
T7N-R2E
RIDGELAND, MISSISSIPPI

JANUARY, 1988

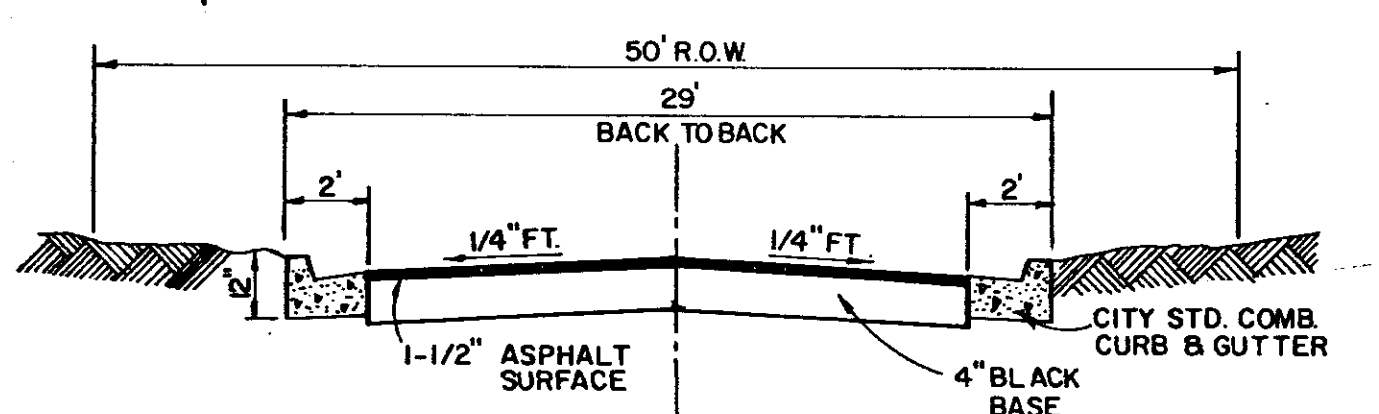


CURVE DATA
 $\Delta = 122^{\circ}28'01''$
 $R = 1128.64'$

CURVE DATA
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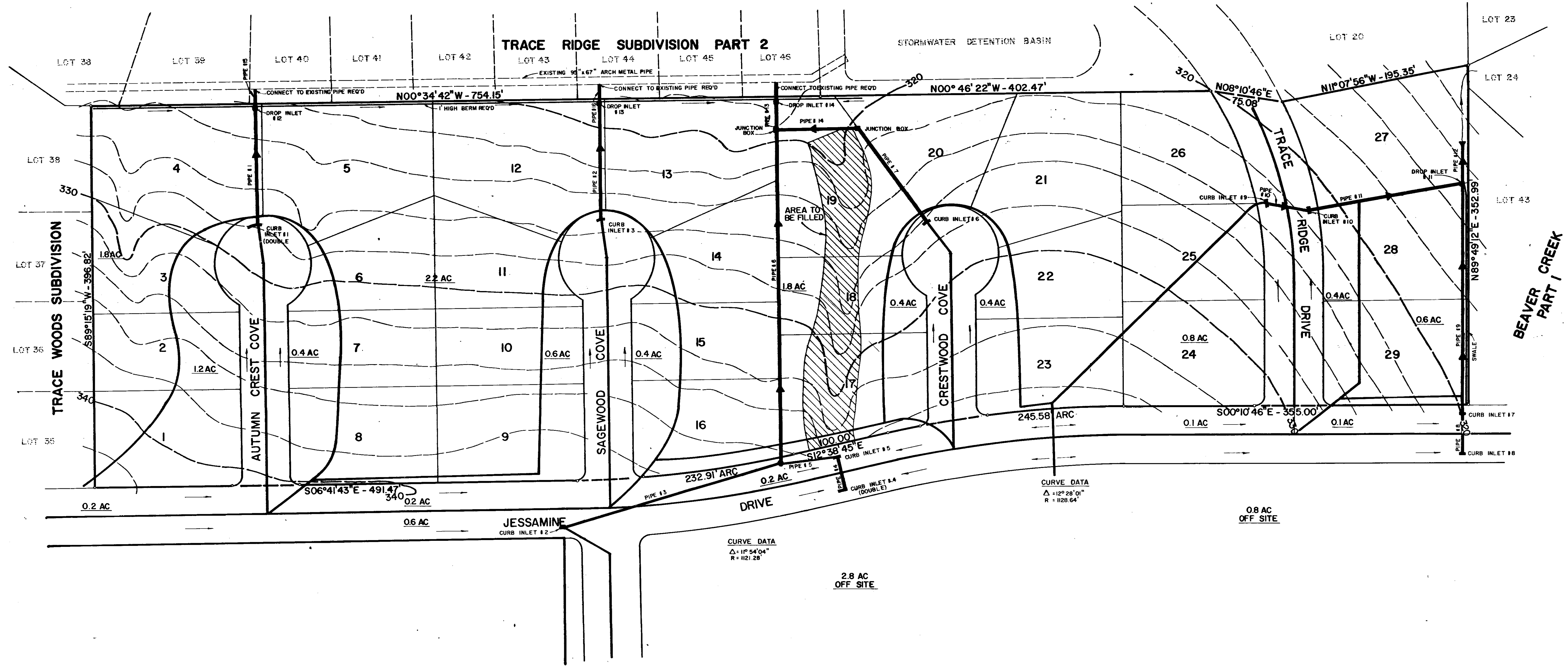
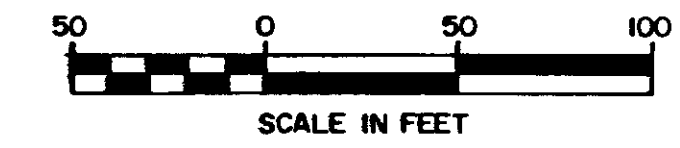


TYPICAL STREET SECTION
 (60' R.O.W.)
 COLLECTOR STREET



TYPICAL STREET SECTION
 (50' R.O.W.)
 LOCAL STREET

TRACE RIDGE SUBDIVISION PART 3	
GENERAL LAYOUT WATER AND SANITARY SEWER	
BROWNING INC. Consulting Engineers Jackson, Mississippi	
Designed By: P.L.B.	Scale: As Shown
Drawn By: J.F.	Date: MARCH, 1999
Sheet 3 of 13	

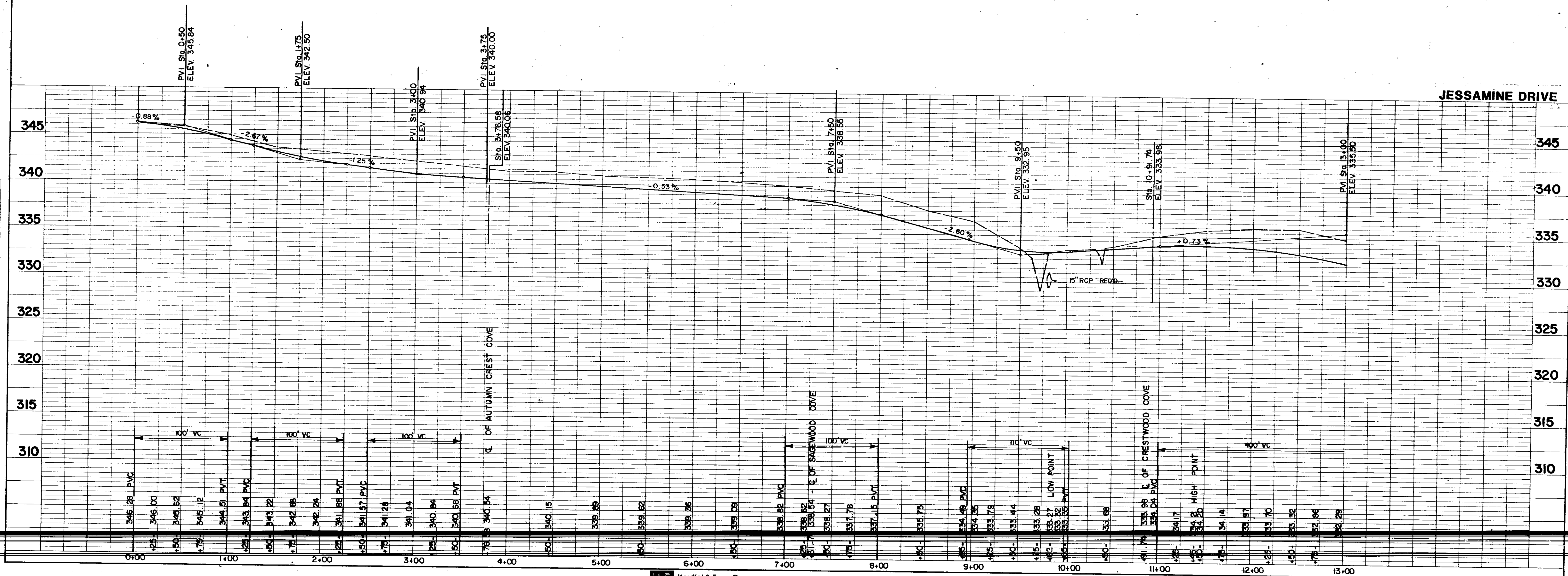
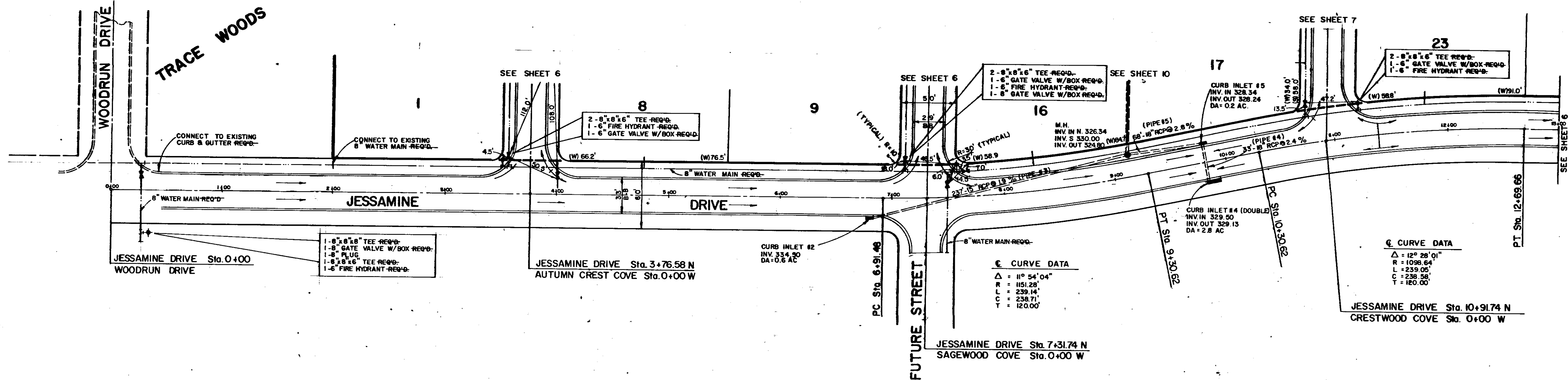


TRACE RIDGE SUBDIVISION PART 3		
DRAINAGE LAYOUT		
BROWNING, INC. Consulting Engineers Jackson, Mississippi		
Designed By: P.L.B.	Scale: As Shown	Sheet 4 of 13
Drawn By: J.E.	Date: MARCH, 1989	



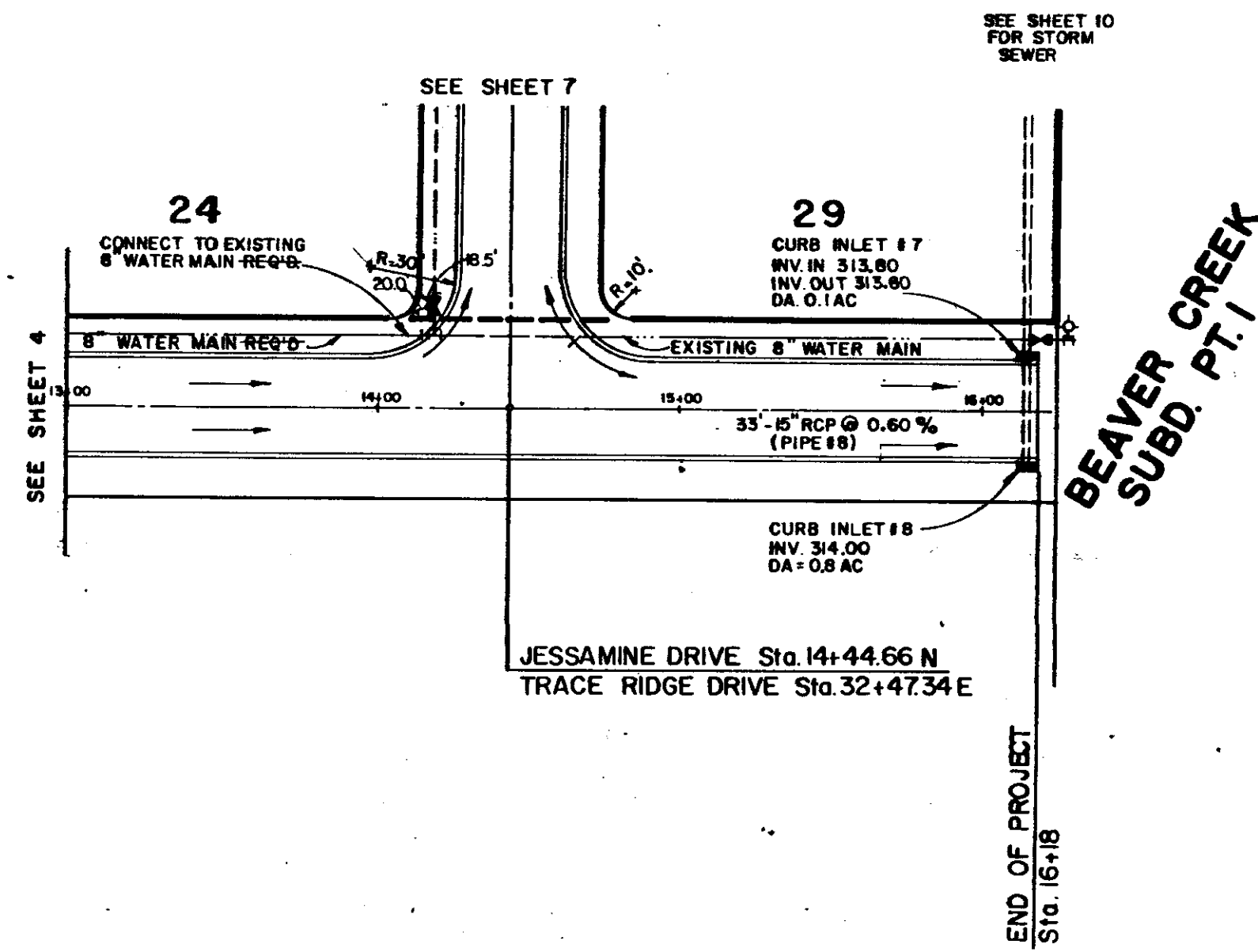
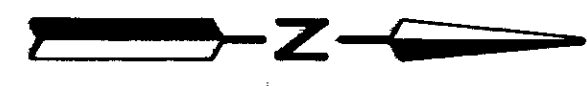
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BY	
CHECKED	
APPROVED	
NO.	

PROFILE	DATE
NOTE BOOK	
NO.	



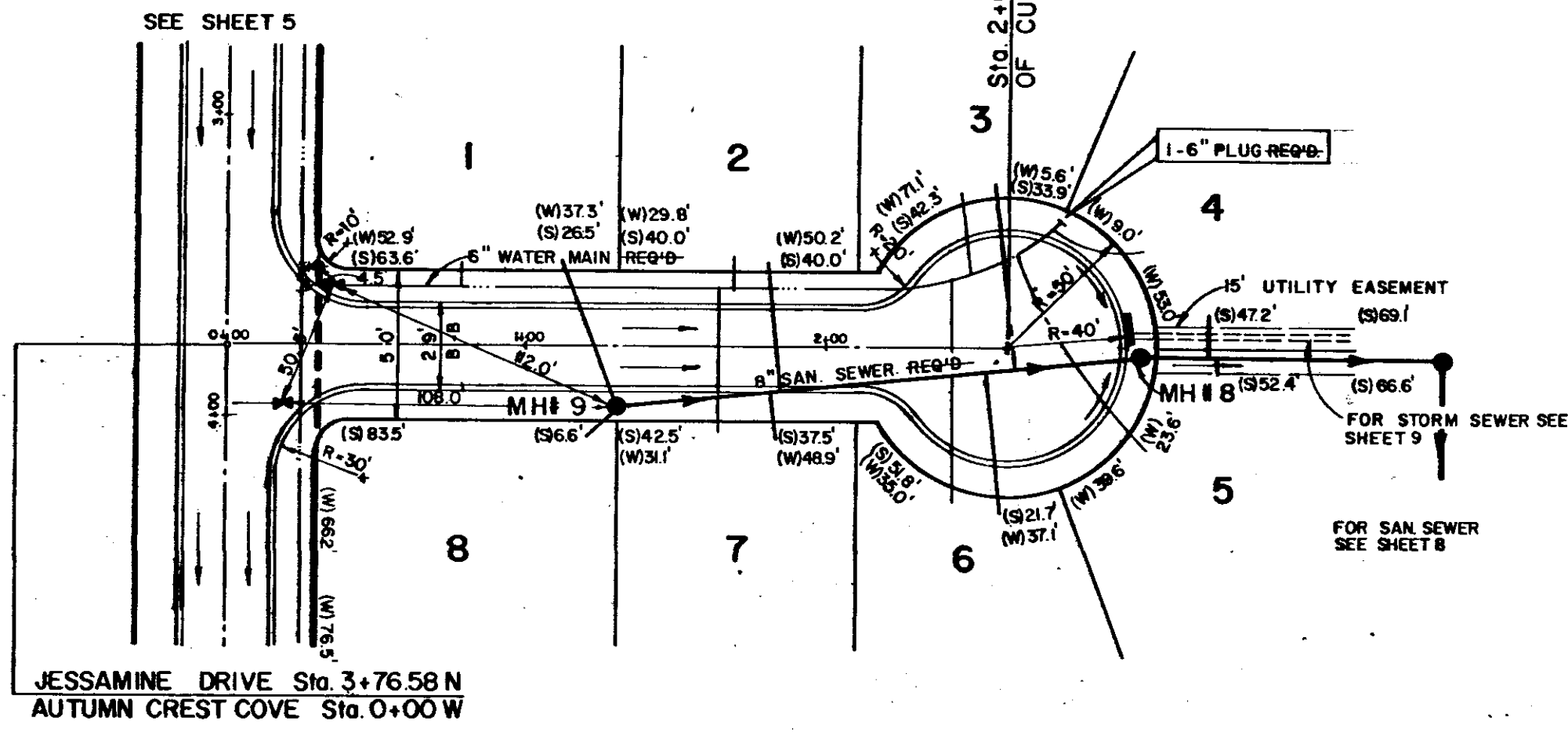
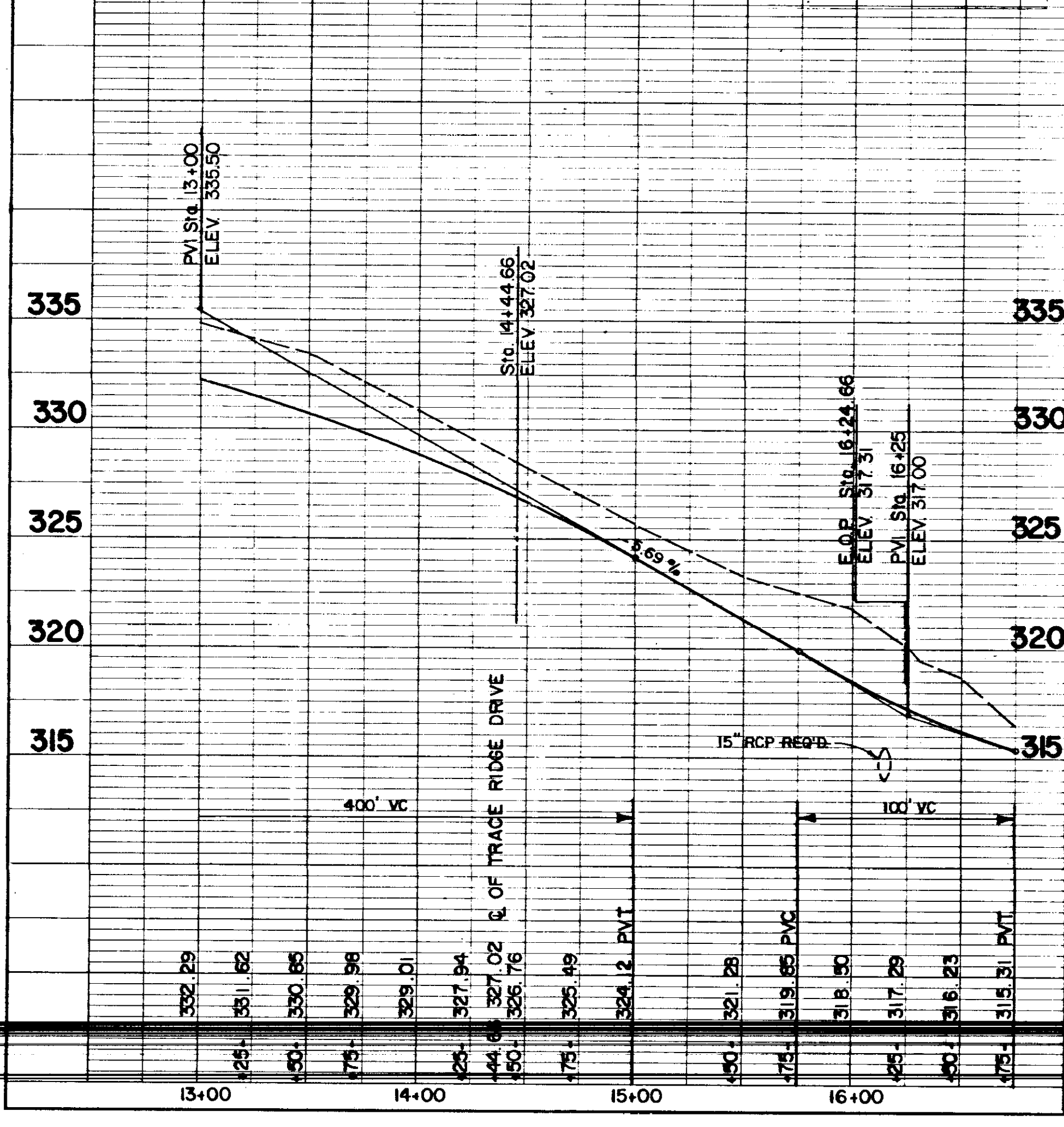
DATE	
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REVISION	
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REVISION	
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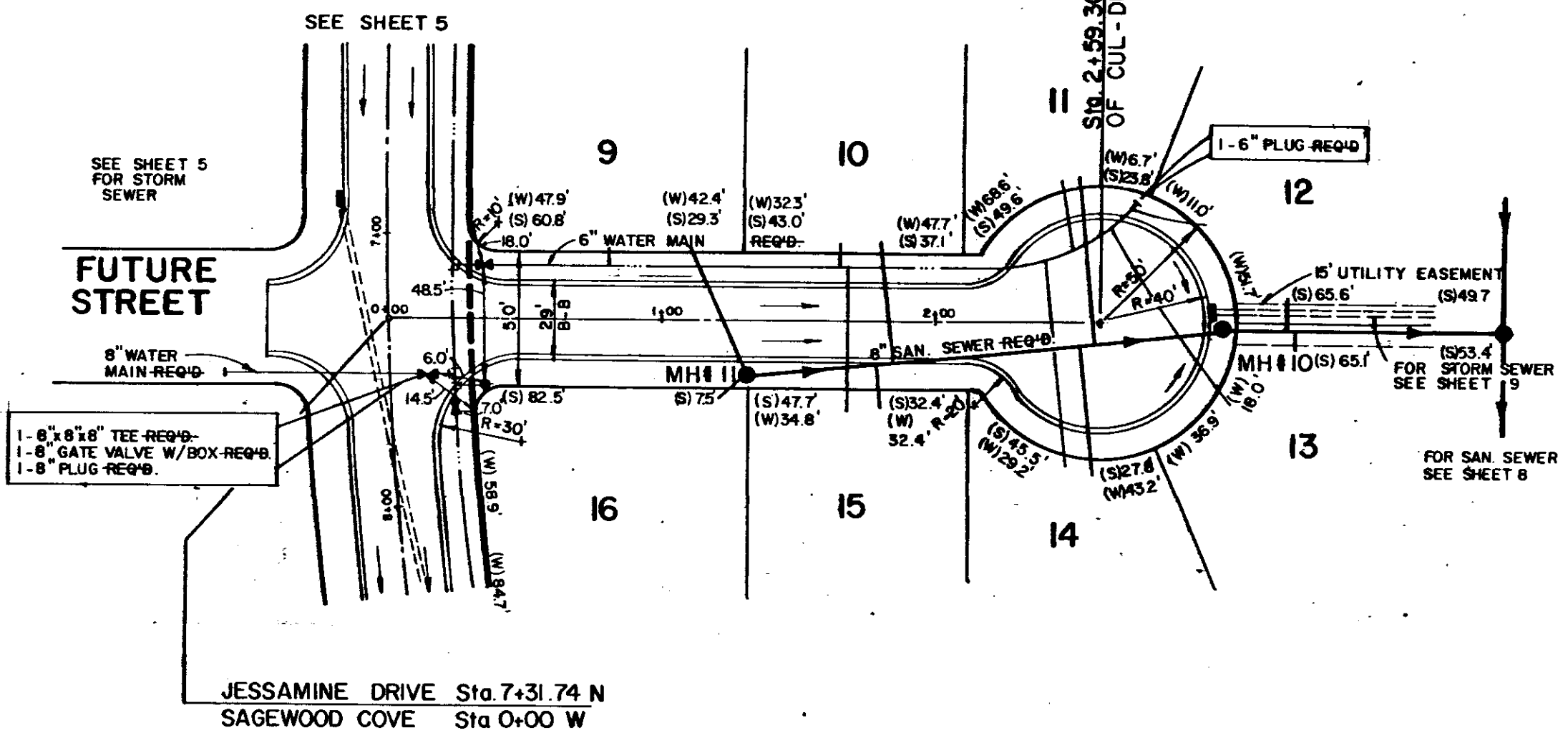
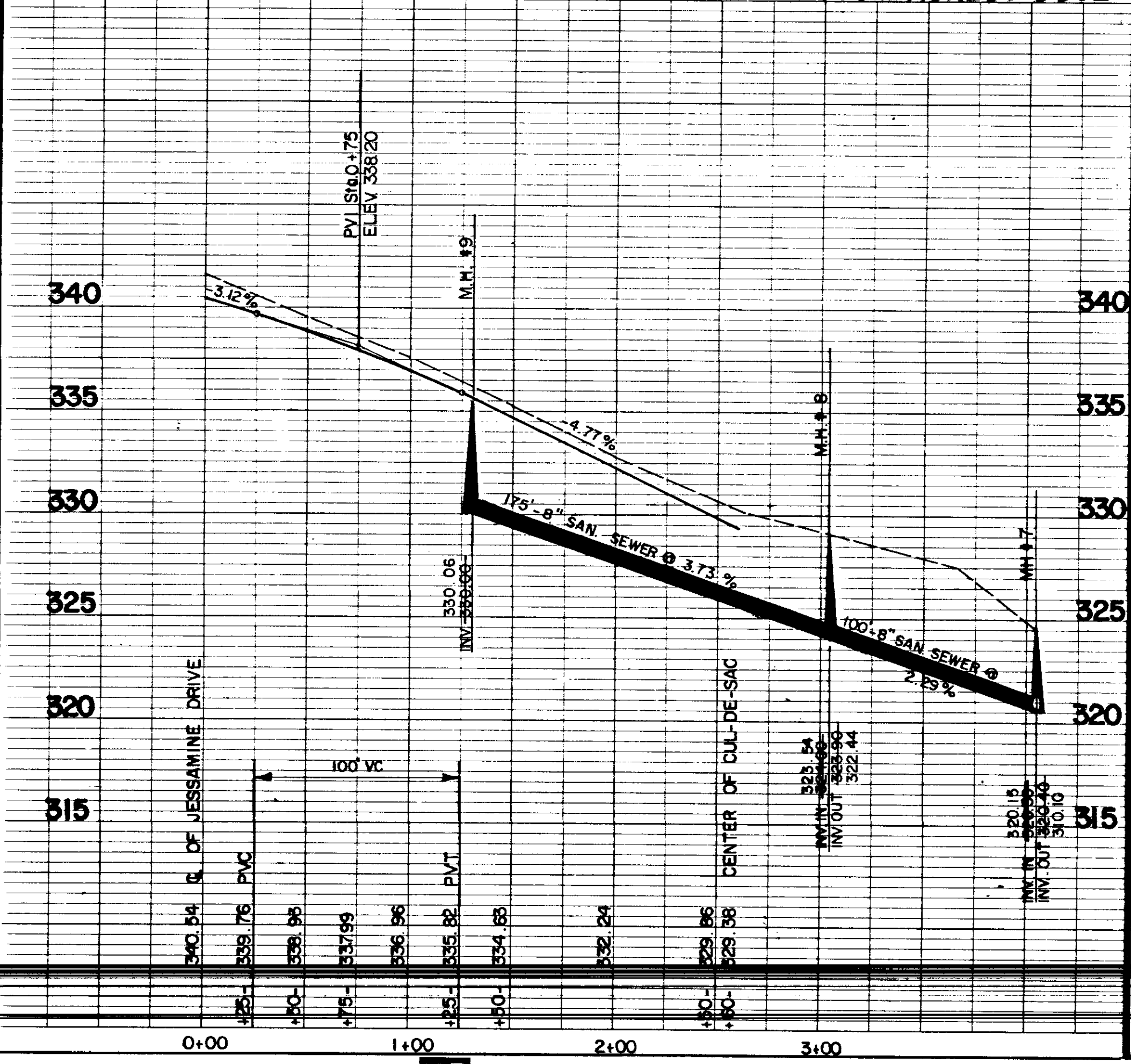


**BEAVER CREEK
SUBD. PT. I**

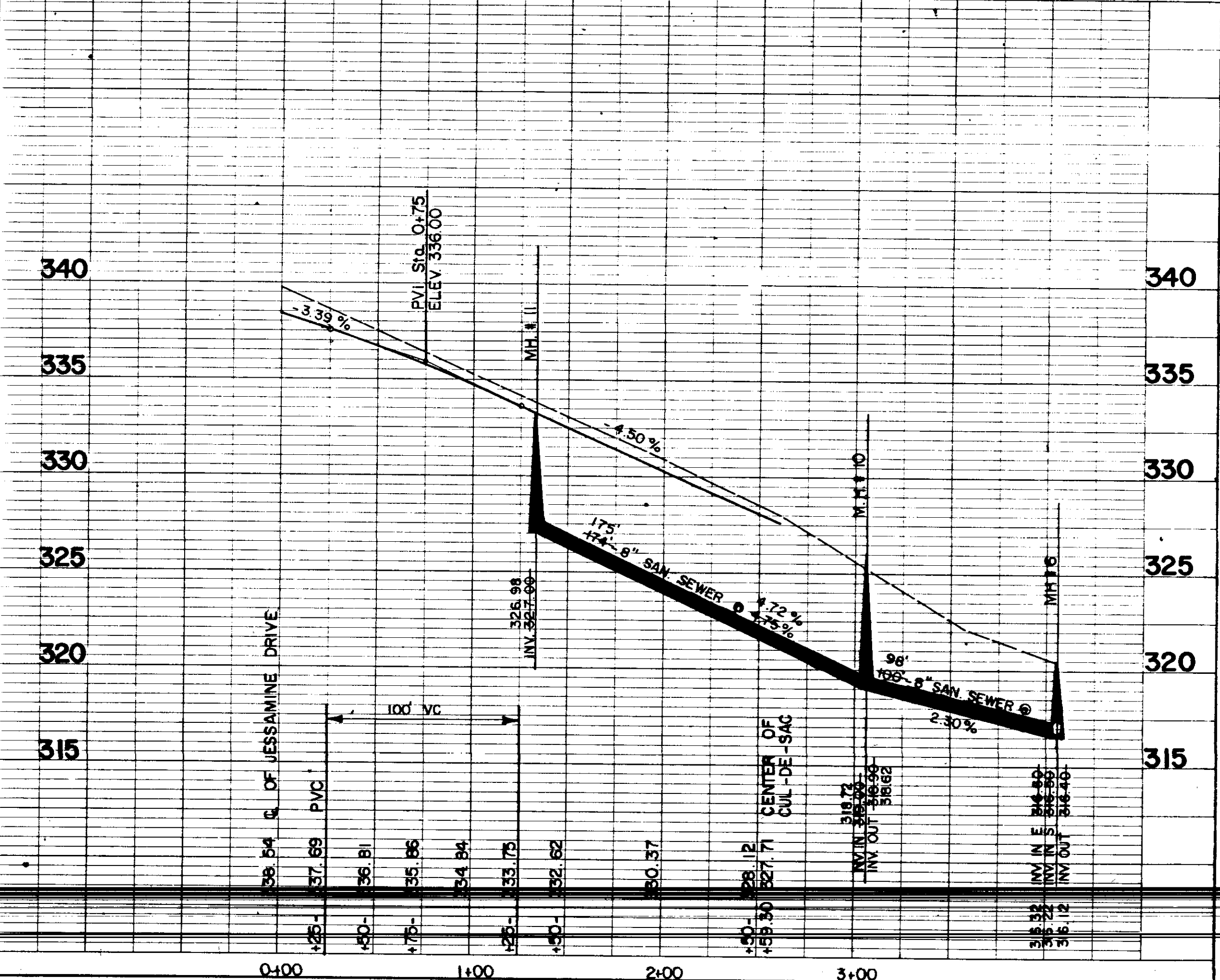
JESSAMINE DRIVE



AUTUMN CREST COVE

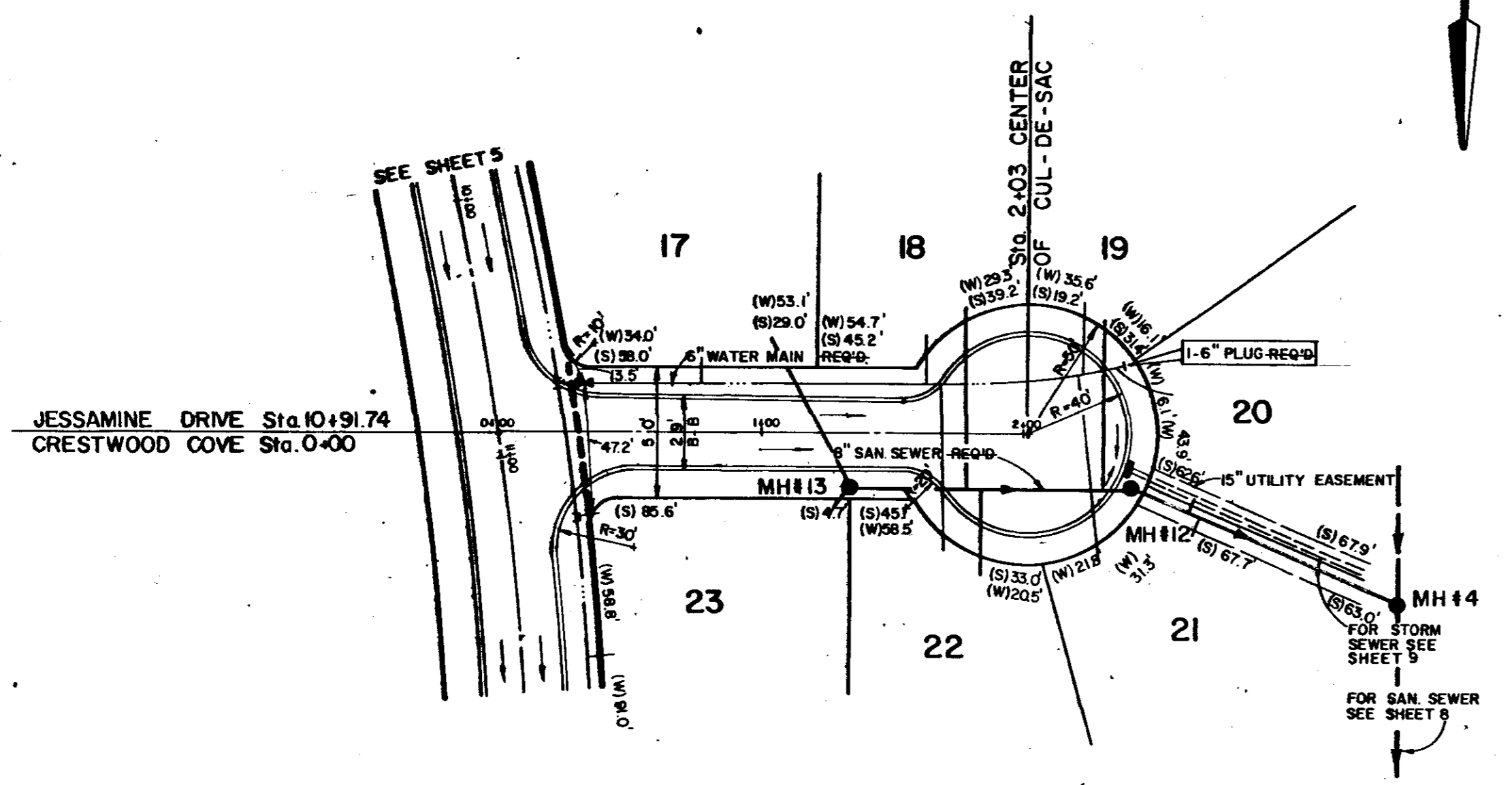


SAGEWOOD COVE

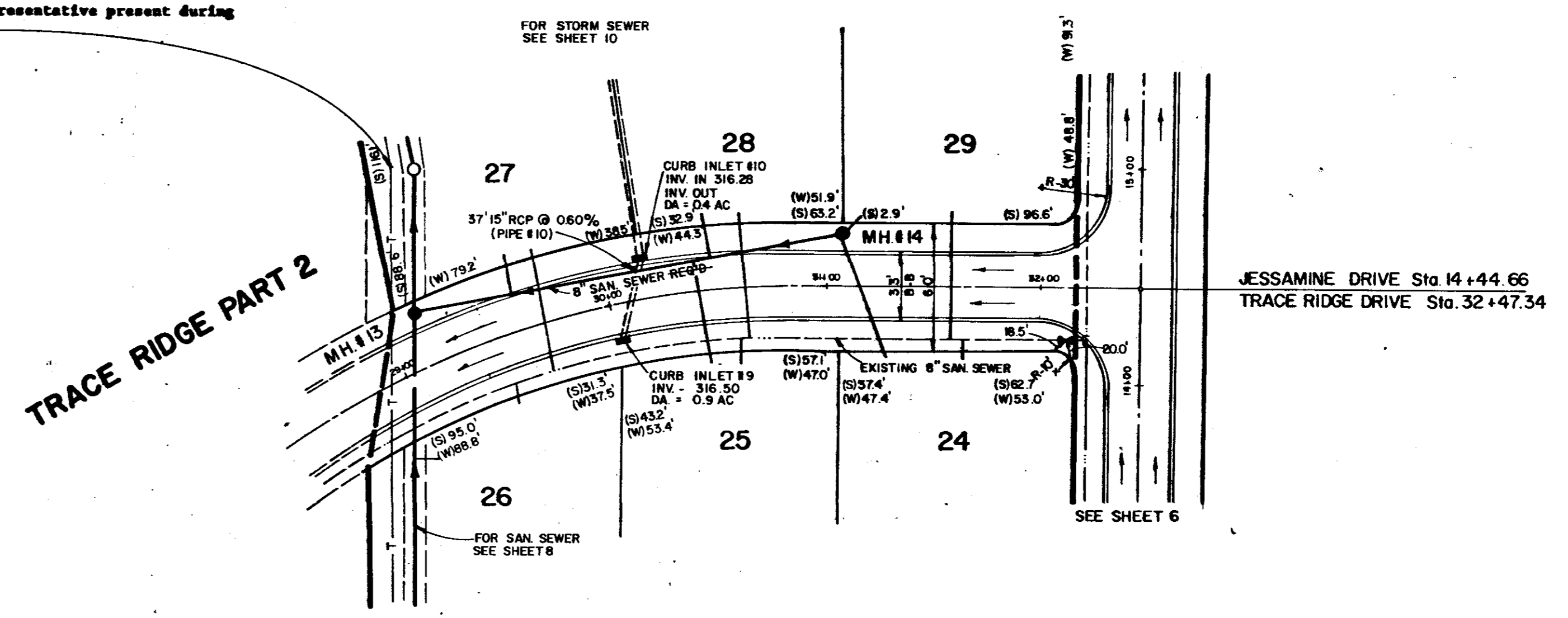


BY	DATE
SURVEYED	
NOTED	
ALIGNED	
CHECKED	
RT. OF WAY	
NO.	

BY	DATE
CURVED	
PLOTTED	
GRADES CHECKED	
STRUCTURE NOTATIONS CHECKED	
NO.	

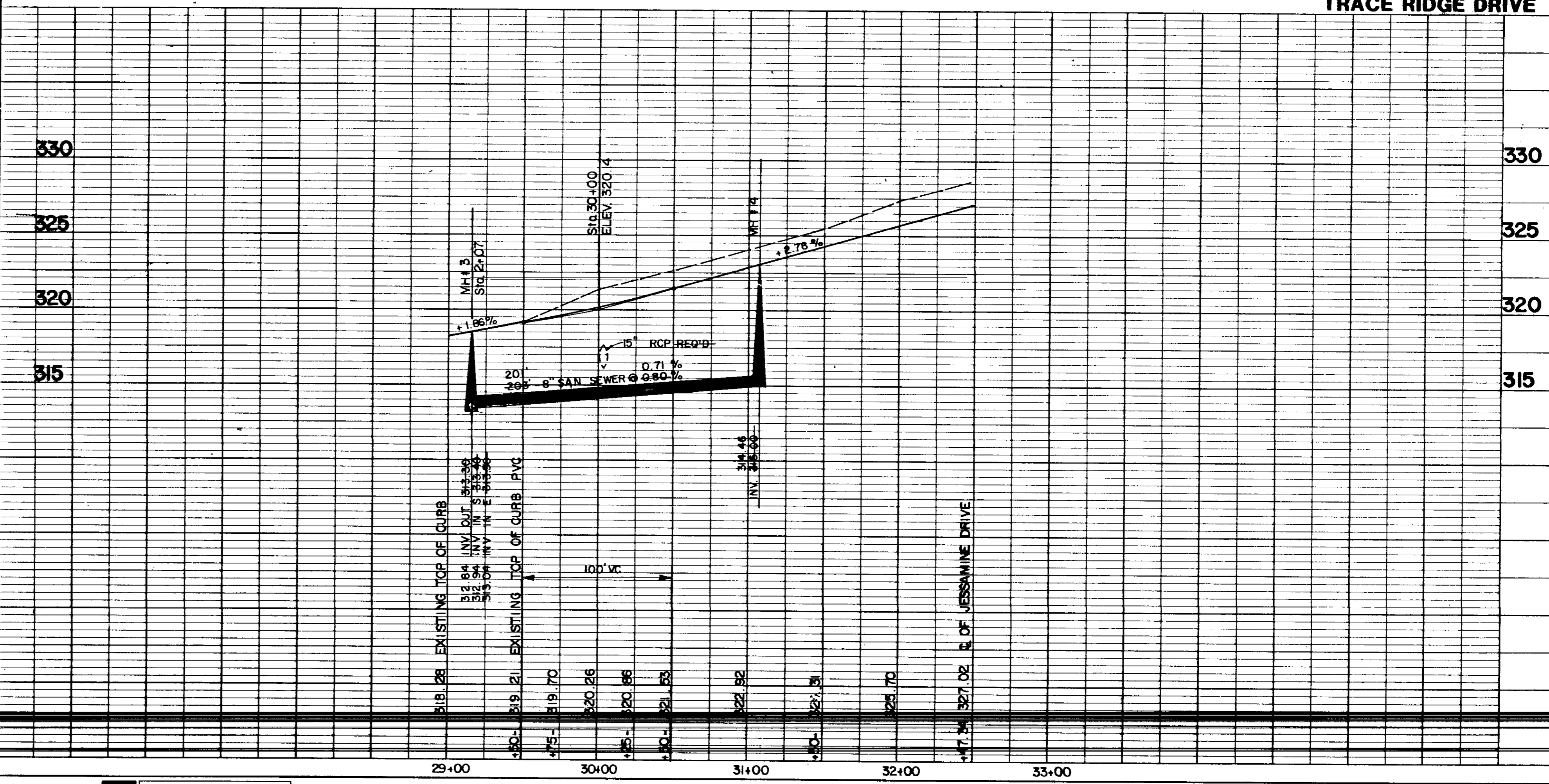
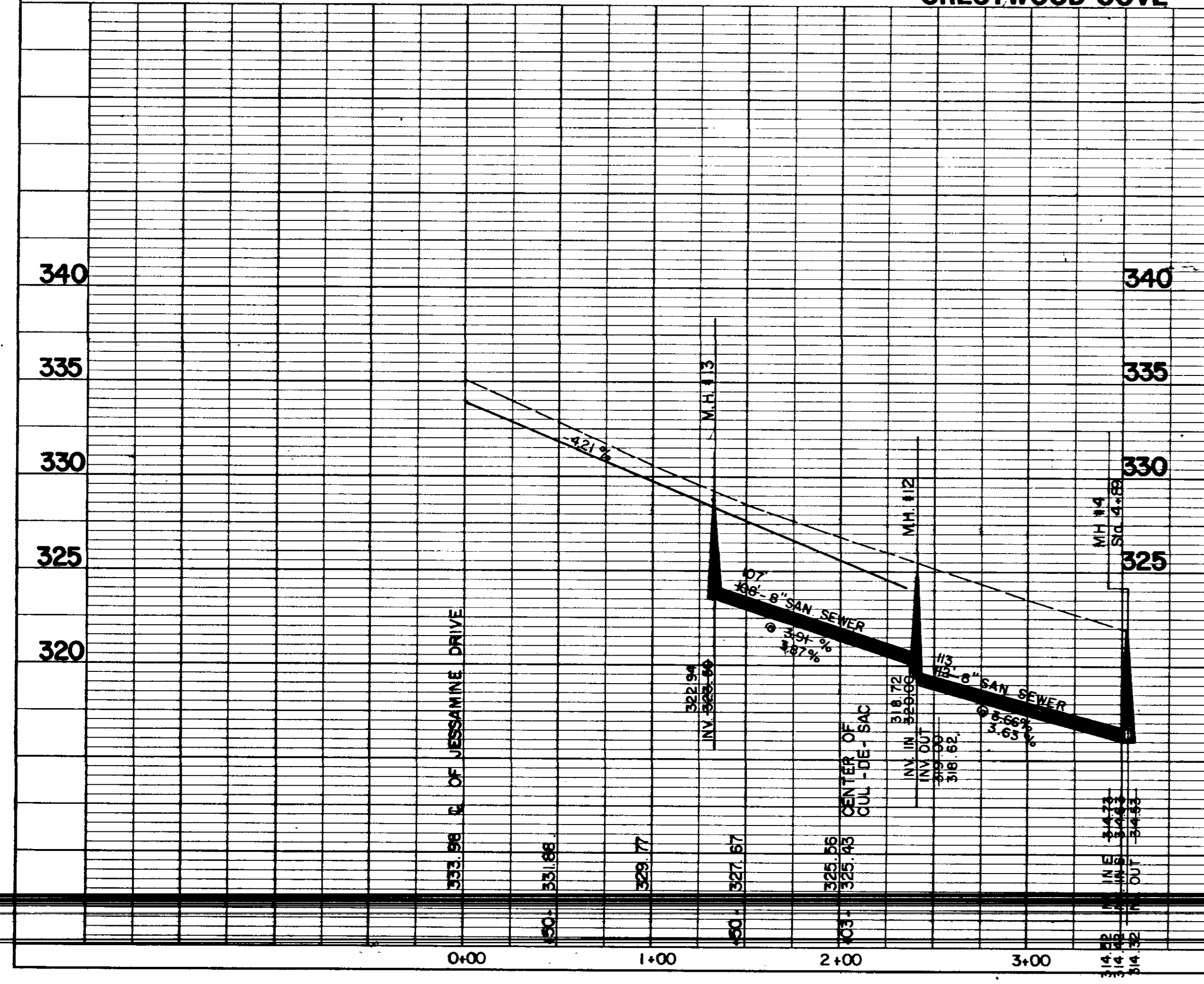


WARNING
 An underground interstate laser cable is located in this area. The contractor MUST call South Central Bell Telephone Company at 1-800-327-6477 to have the cable located BEFORE construction and to have a telephone company representative present during construction.

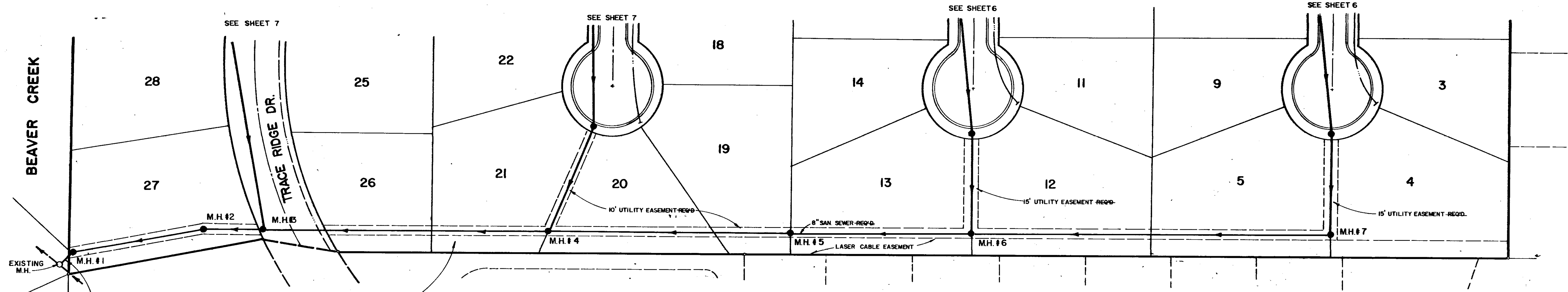
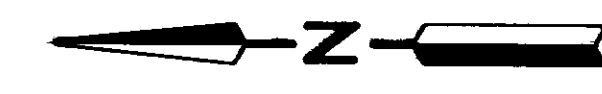


CRESTWOOD COVE

TRACE RIDGE DRIVE



PLAN	SURVEYED	BY	DATE
	PLOTTED		
	NOTE BOOK		
	ALIGNED CHECKED		
	RI. OF WAY CHECKED		
	NO.		

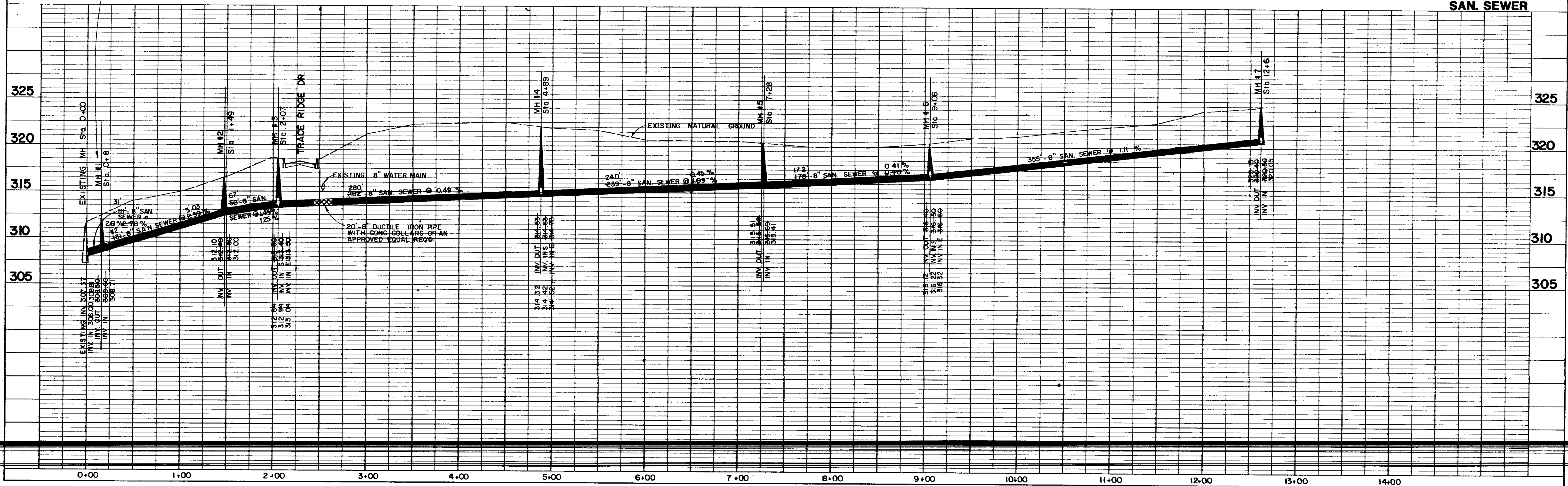


WARNING
 An underground interstate laser cable is located in this area. The contractor MUST call South Central Bell Telephone Company at 1-800-227-6477 to have the cable located BEFORE construction and to have a telephone company representative present during construction.

TRACE RIDGE PT.2

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	NOTE BOOK		
	STRUCTURE NOT CHECKED		
	NO.		

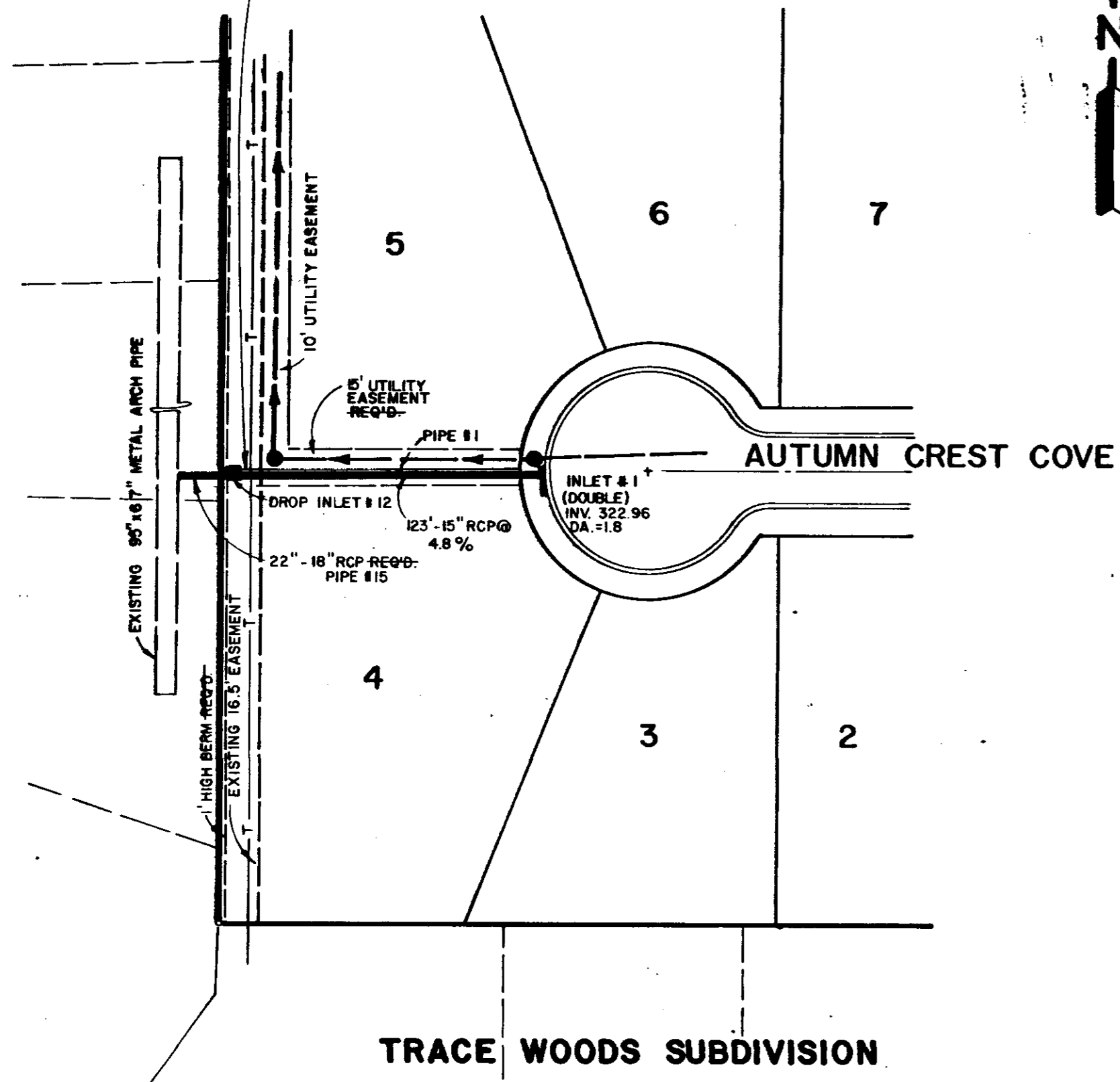
SAN. SEWER



DATE	
BY	
REVISION	
NO.	
PLAN	
NOTE BOOK	
ALIGNMENT CHECKED	
RT. OF WAY CHECKED	
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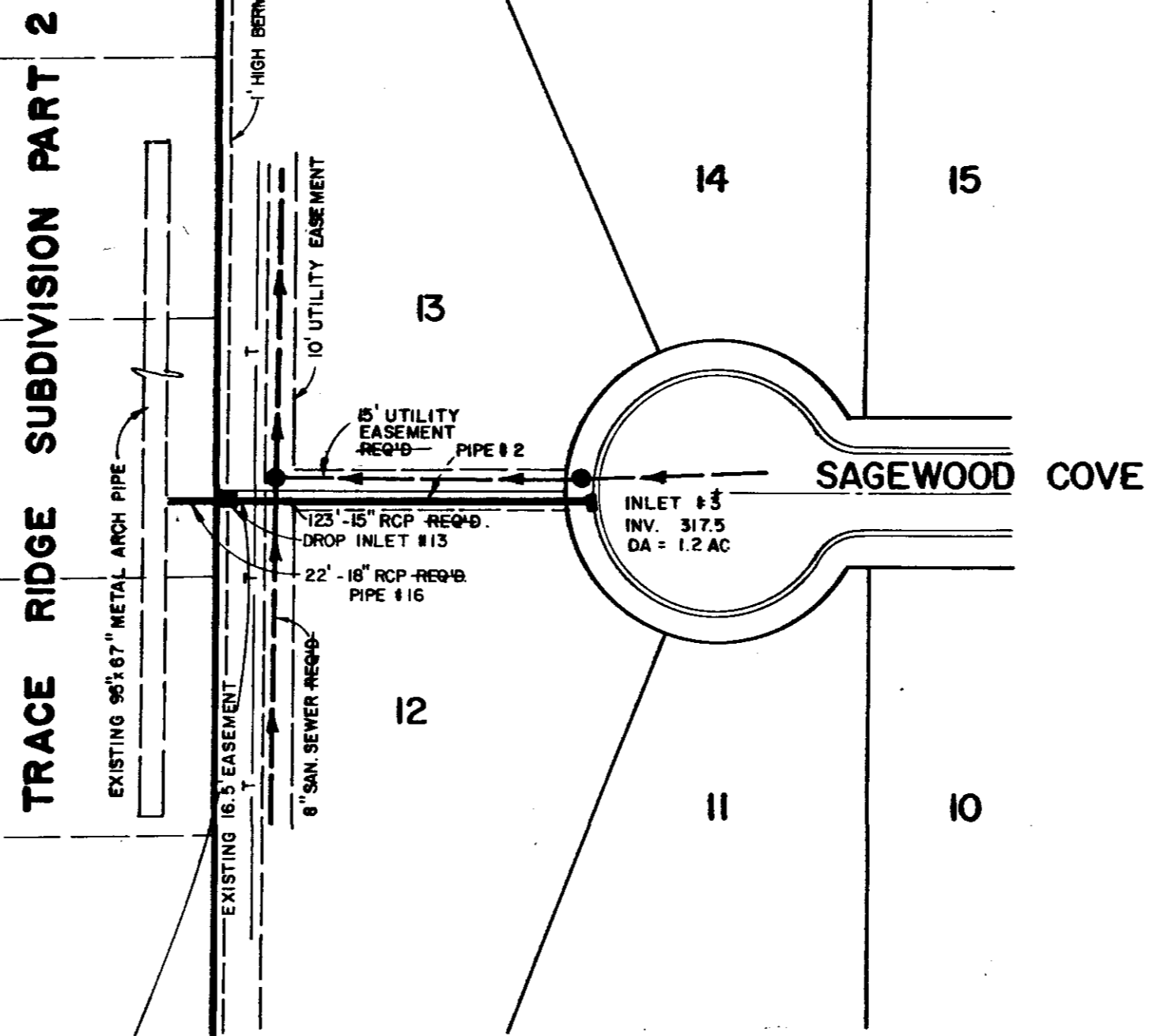
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BY	
REVISION	
NO.	
PROFILE	
GRADES CHECKED	
STRUCTURE NOTATIONS CHECKED	
NO.	

WARNING
An underground interstate laser cable is located in this area. The contractor MUST call South Central Bell Telephone Company at 1-800-227-6477 to have the cable located BEFORE construction and to have a telephone company representative present during construction.



TRACE WOODS SUBDIVISION

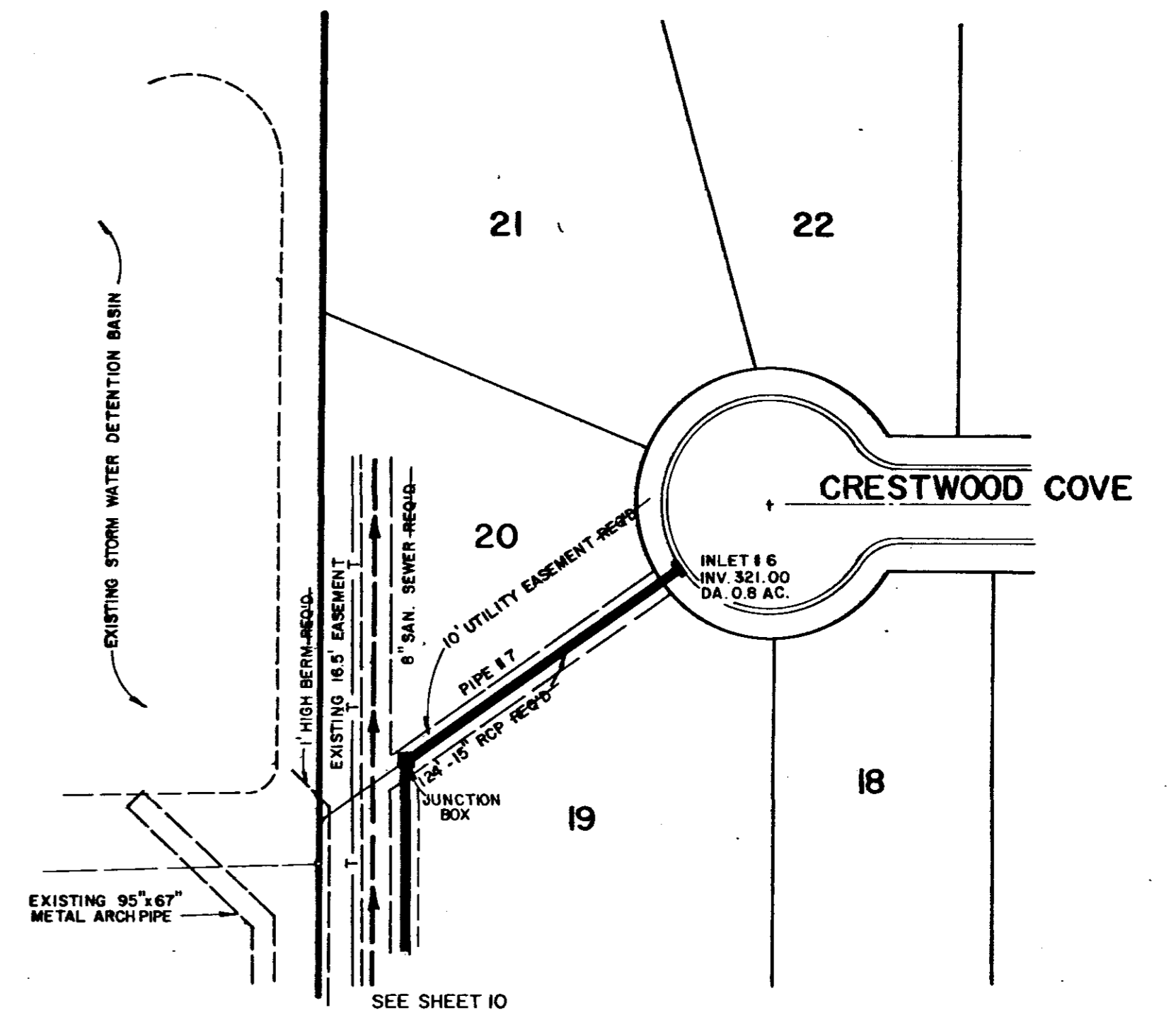
STORM SEWER



TRACE RIDGE SUBDIVISION PART 2

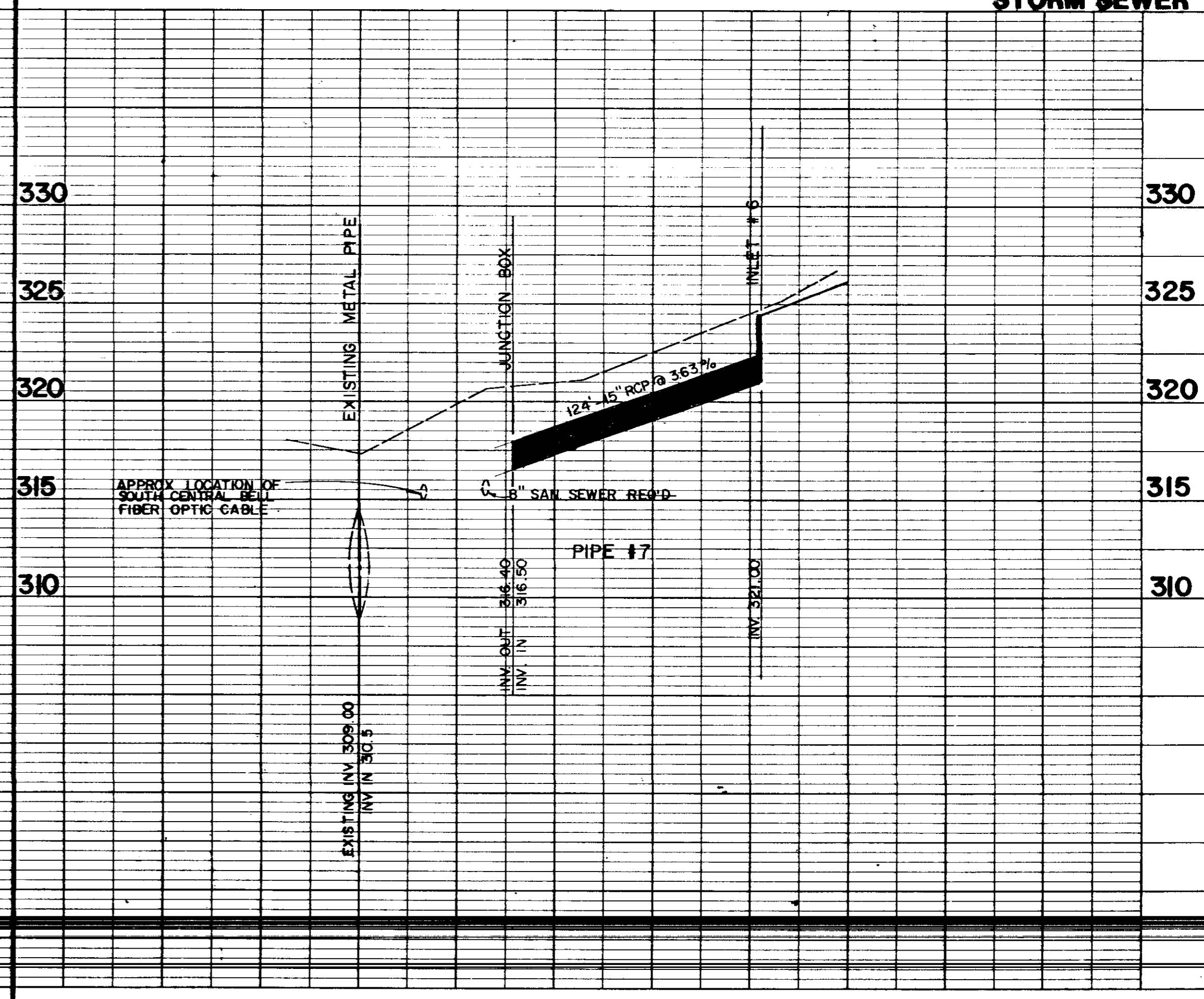
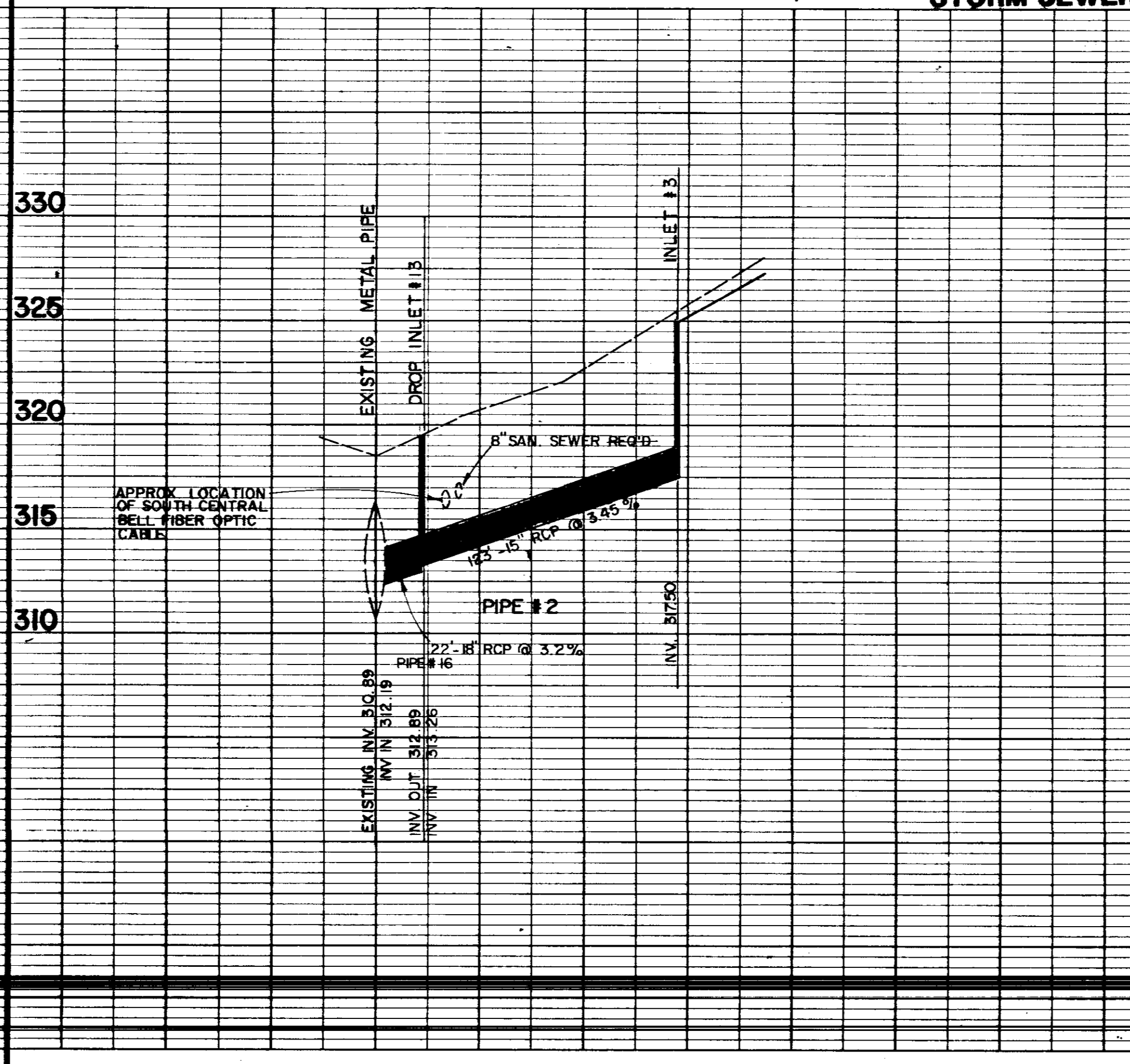
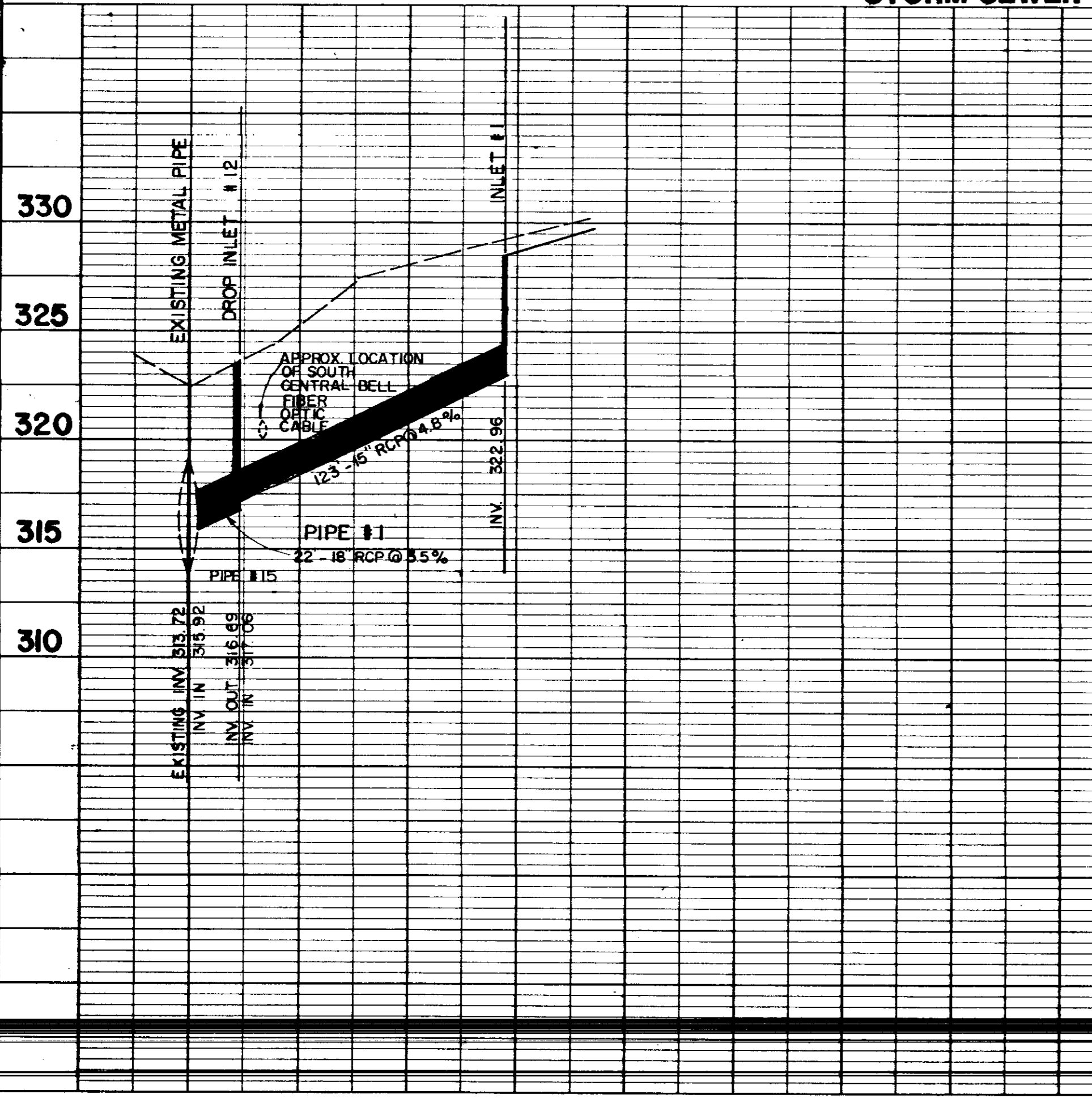
WARNING
An underground interstate laser cable is located in this area. The contractor MUST call South Central Bell Telephone Company at 1-800-227-6477 to have the cable located BEFORE construction and to have a telephone company representative present during construction.

STORM SEWER

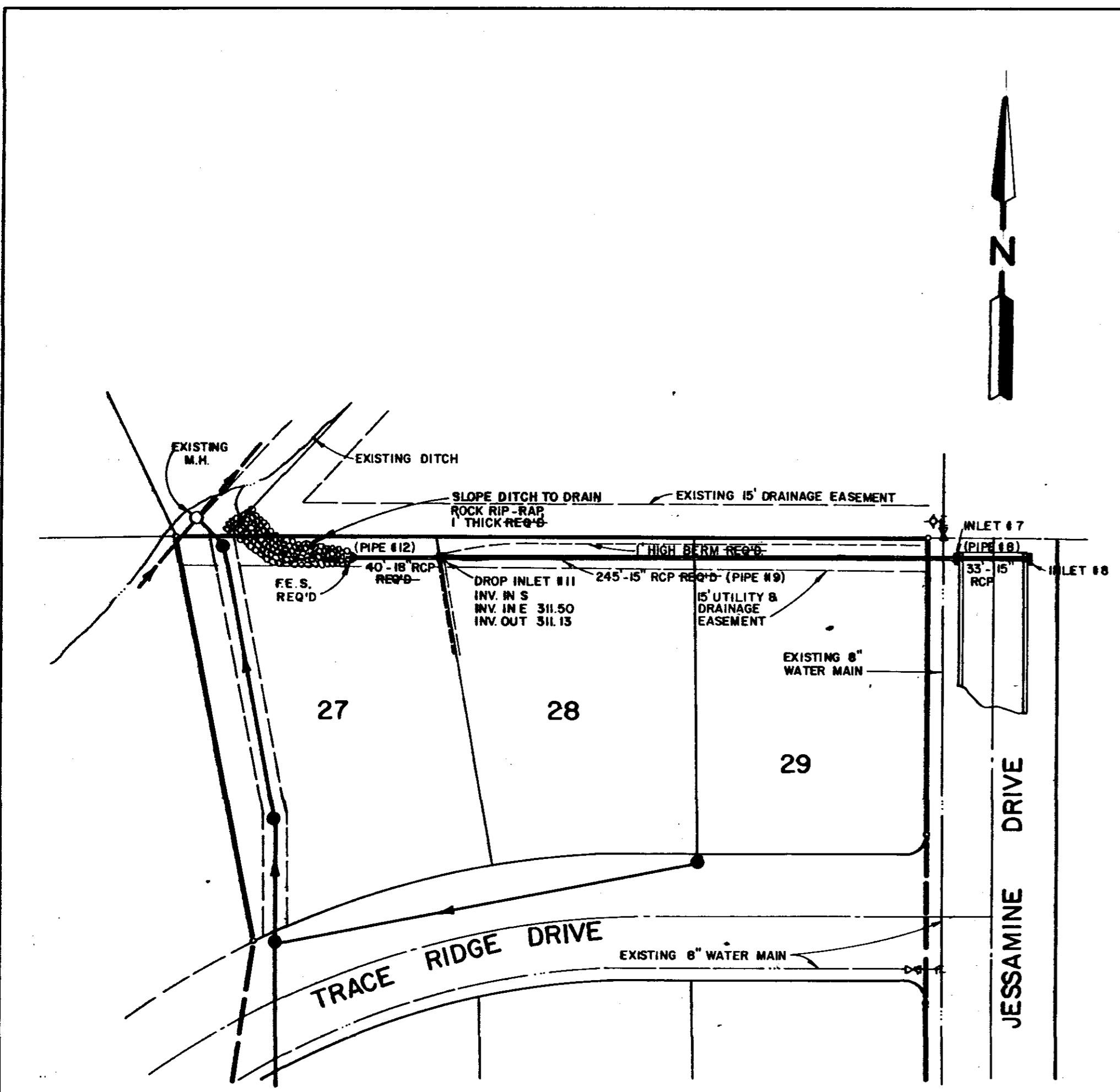


TRACE WOODS SUBDIVISION

STORM SEWER

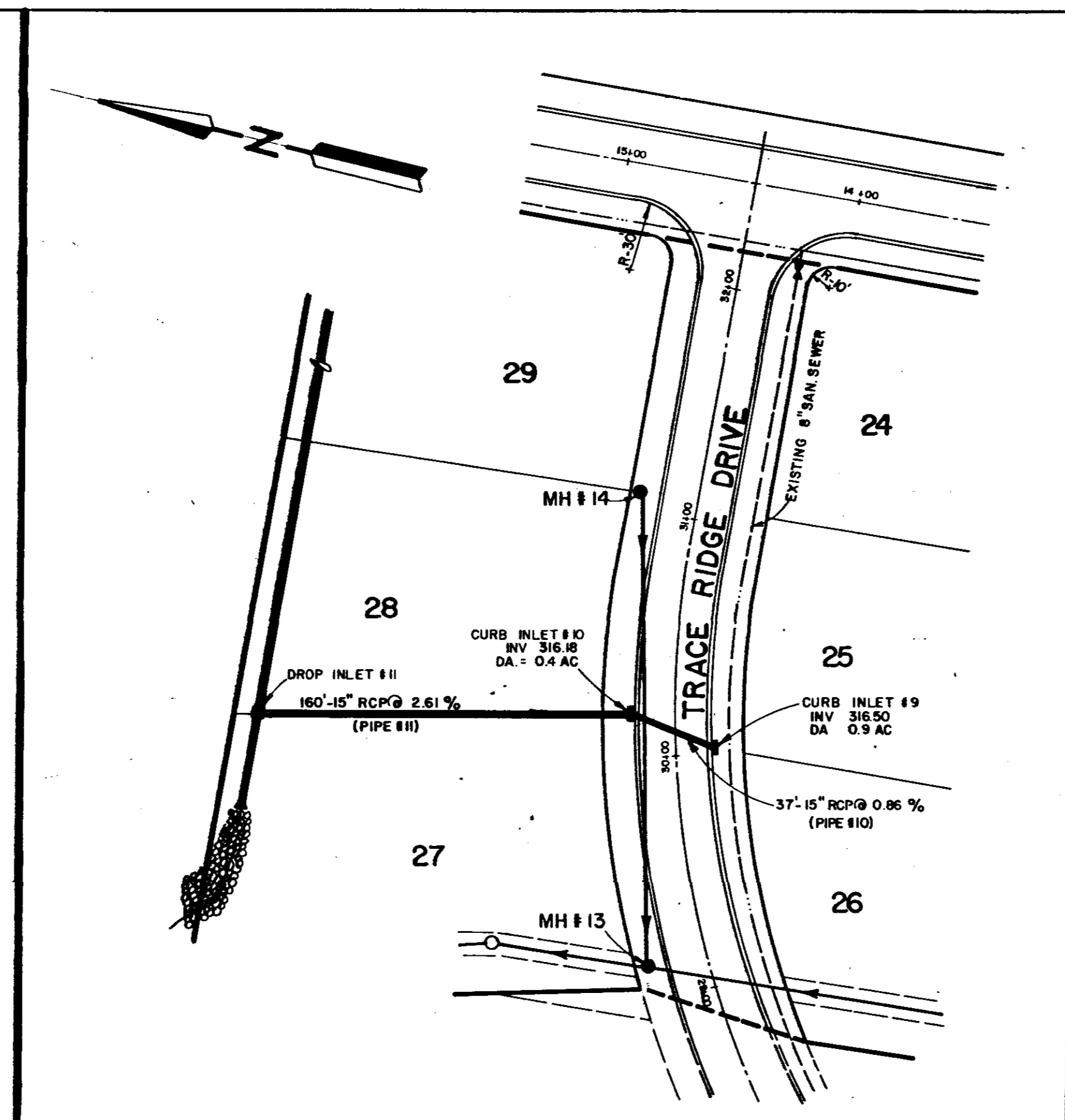
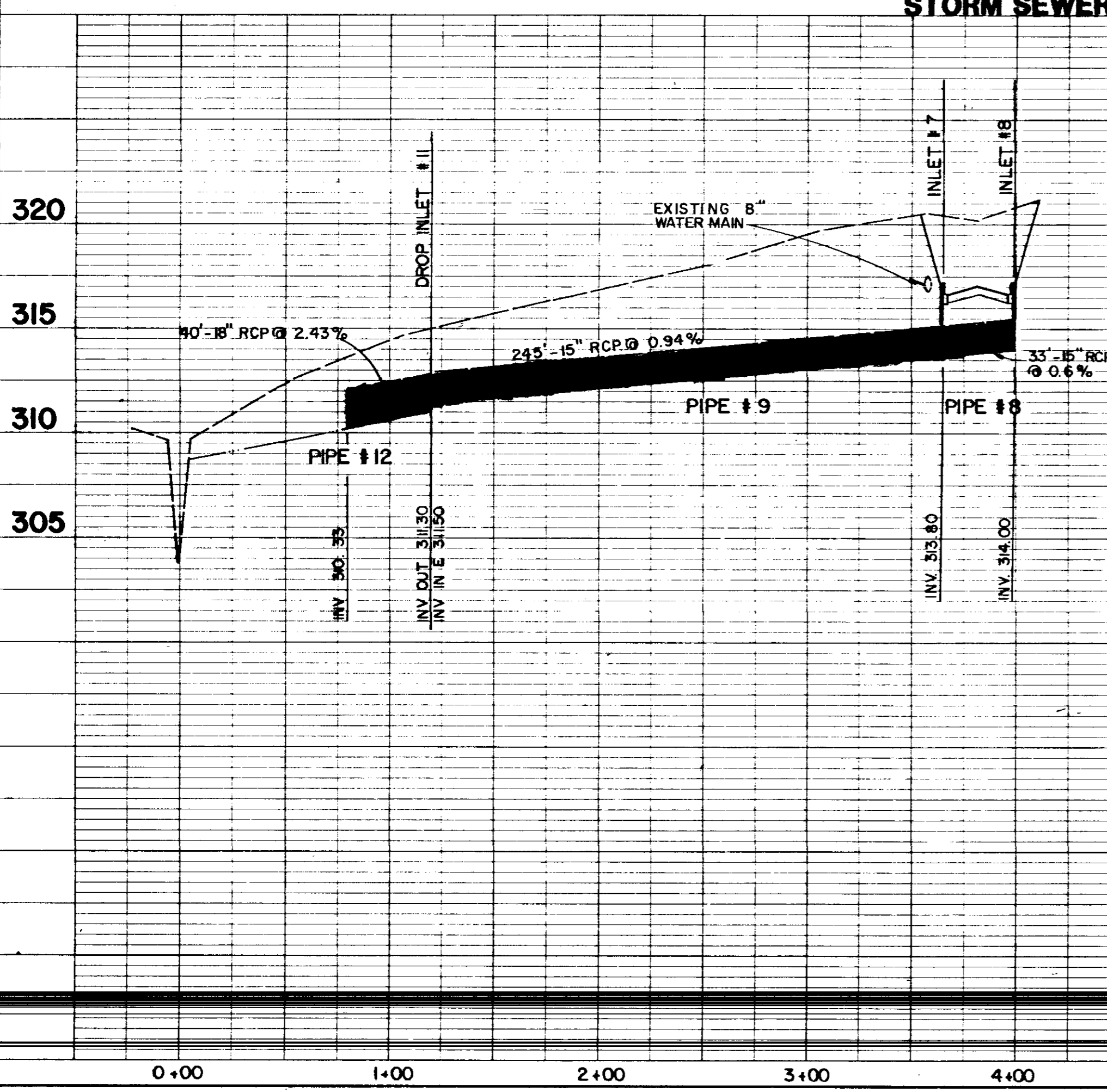


DATE	
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PLAN	
NOTE BOOK	
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BY	
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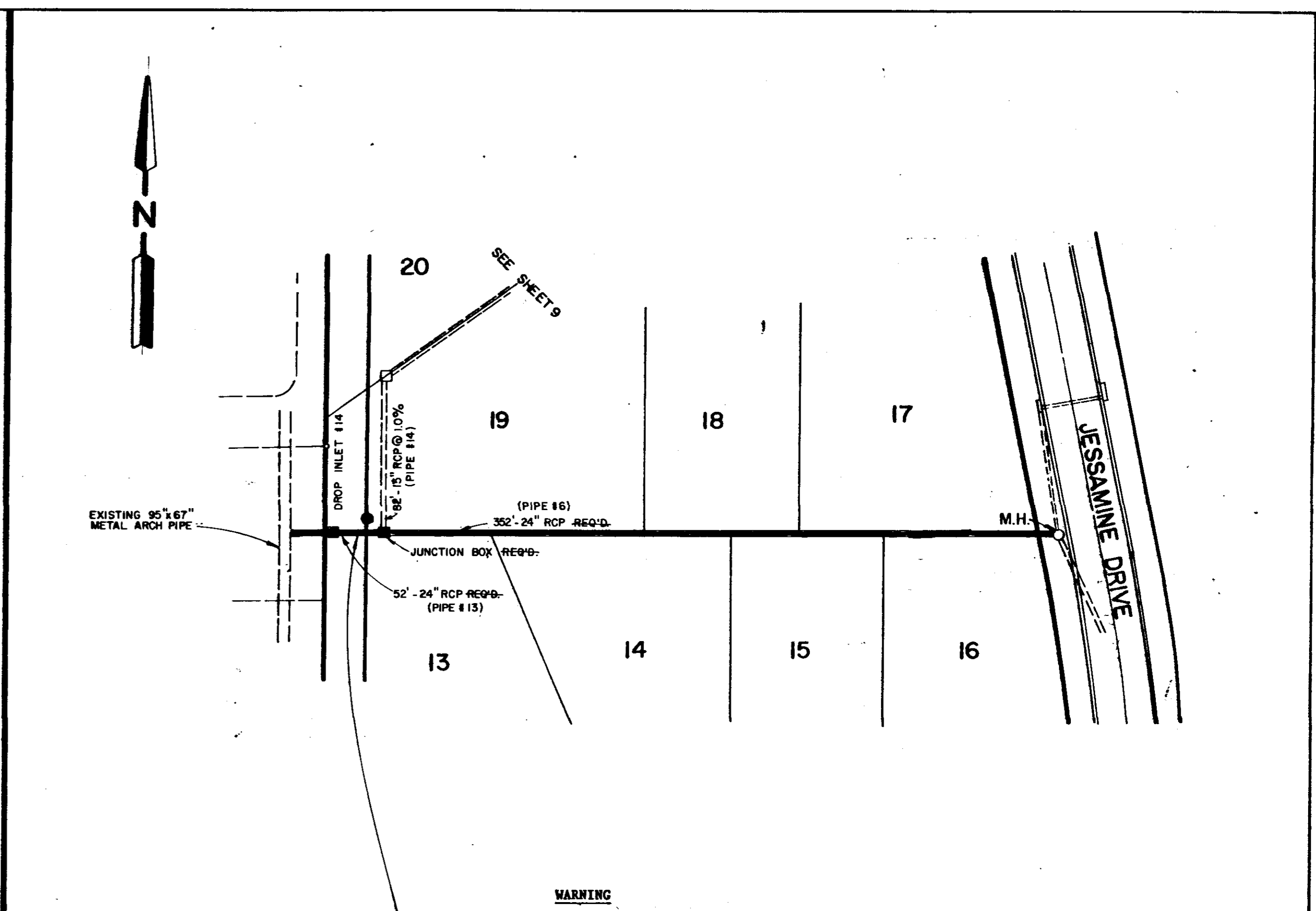
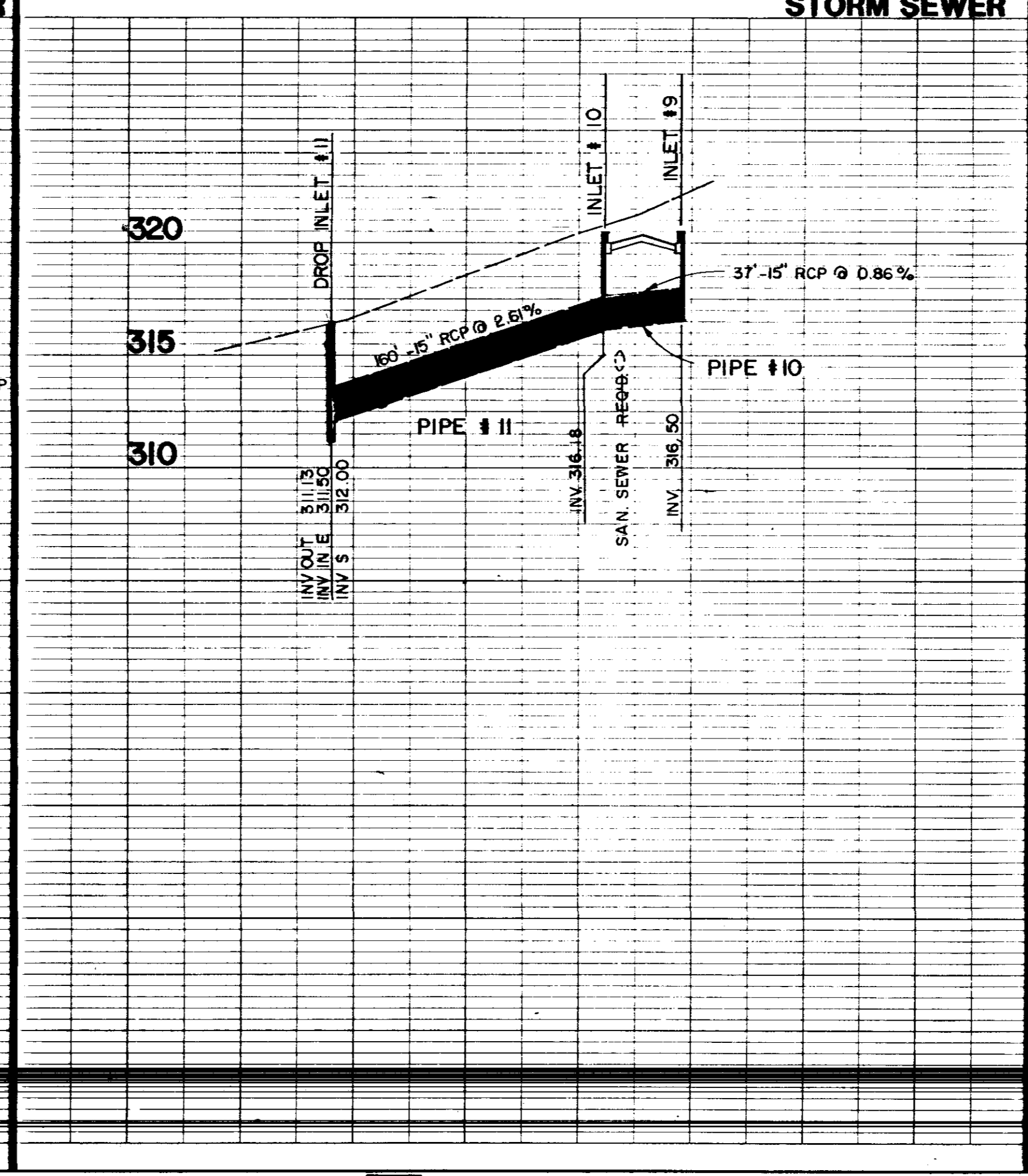


STORM SEWER

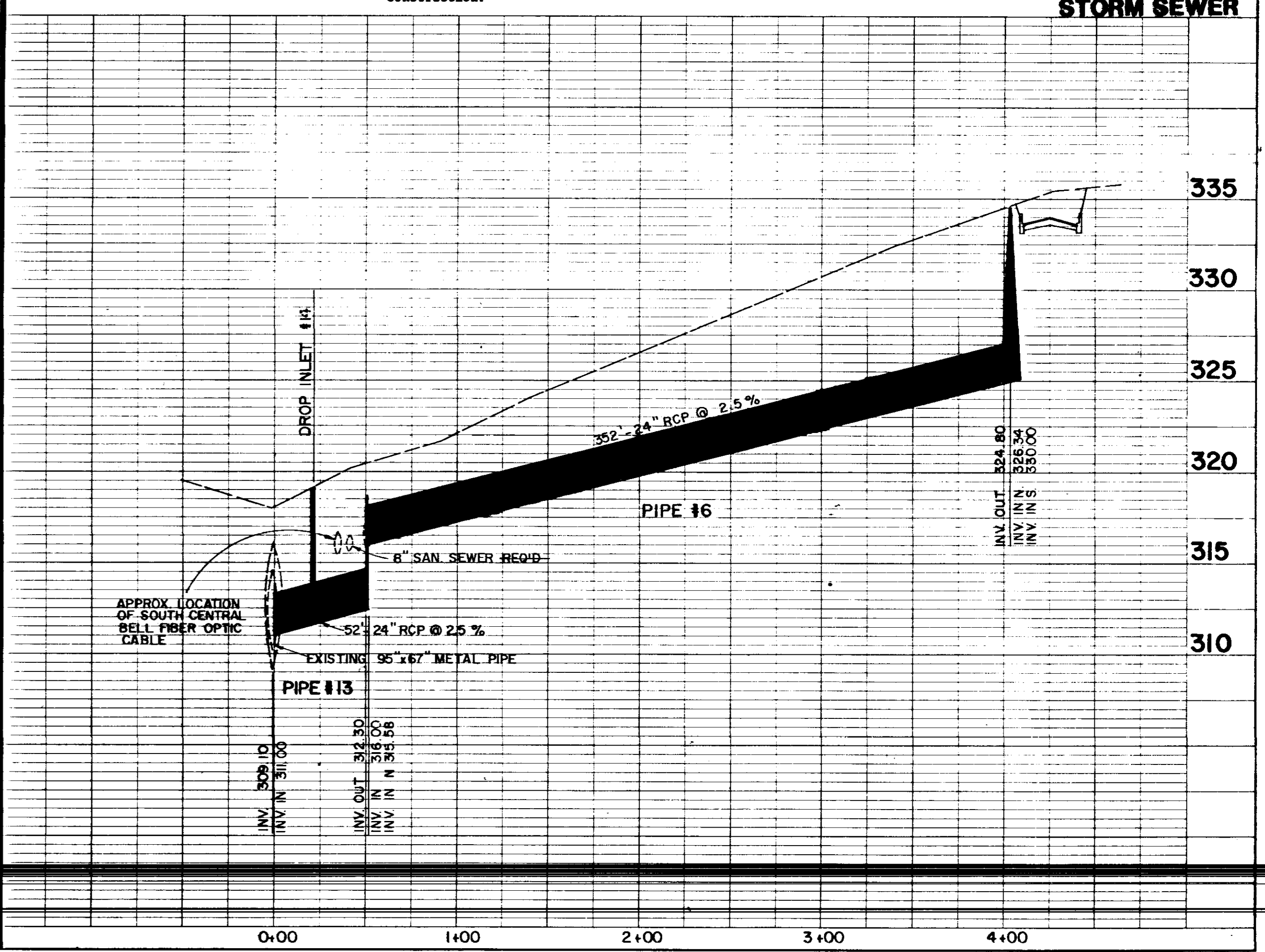
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PROFILE	
NOTE BOOK	
NO.	
BY	
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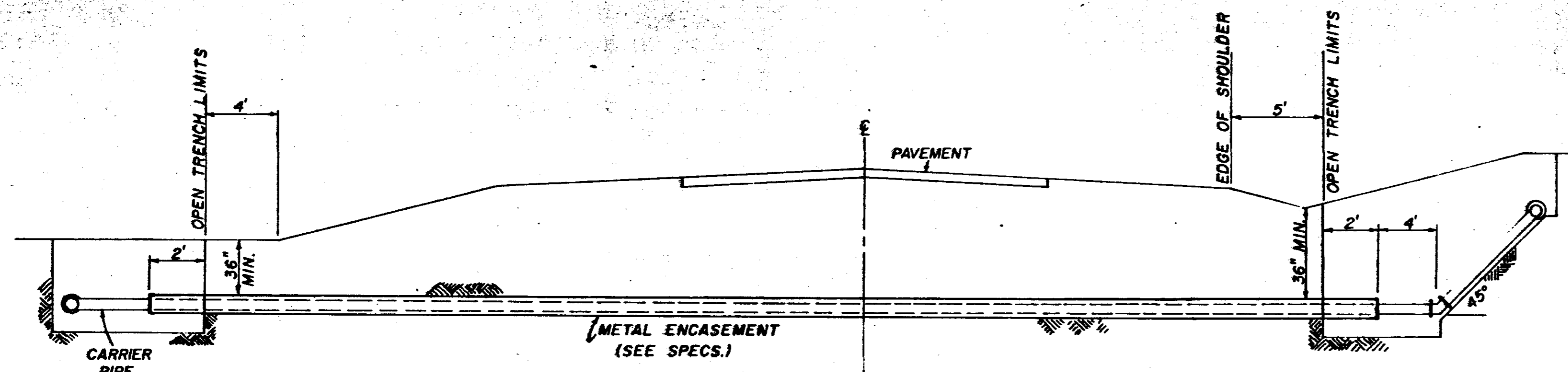
STORM SEWER



STORM SEWER

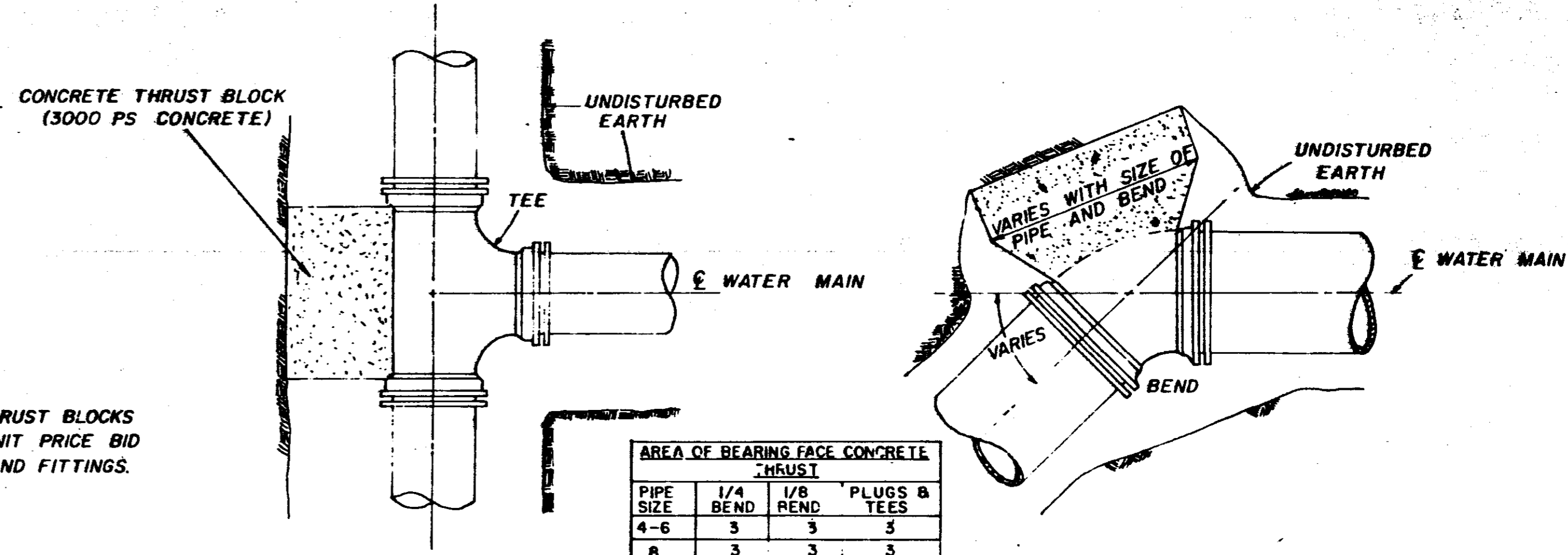


WARNING
An underground interstate laser cable is located in this area. The contractor MUST call South Central Bell Telephone Company at 1-800-227-6477 to have the cable located BEFORE construction and to have a telephone company representative present during construction.



TYPICAL CASED CROSSING

NOTE: COMPENSATION FOR CONCRETE THRUST BLOCKS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR VALVES, FIRE HYDRANTS AND FITTINGS.

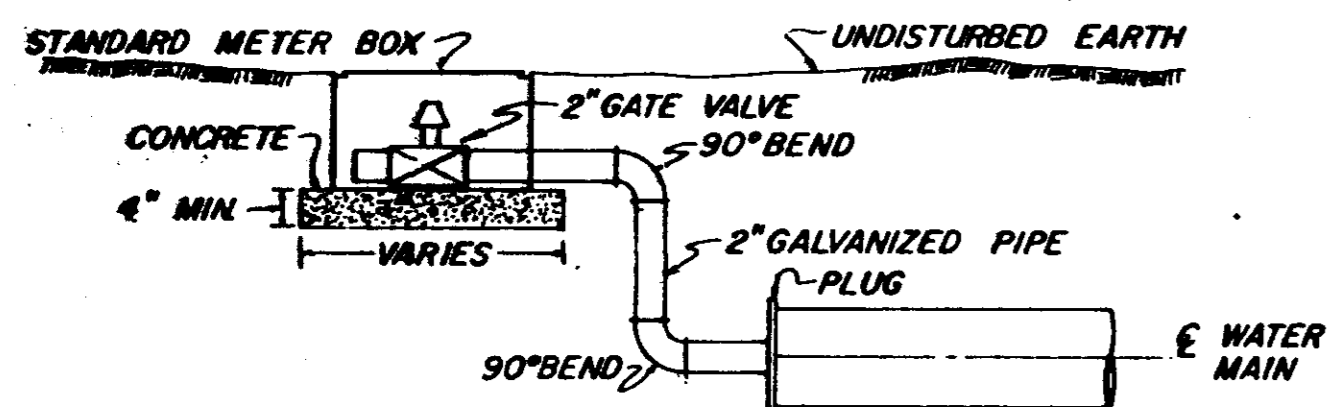


PLAN

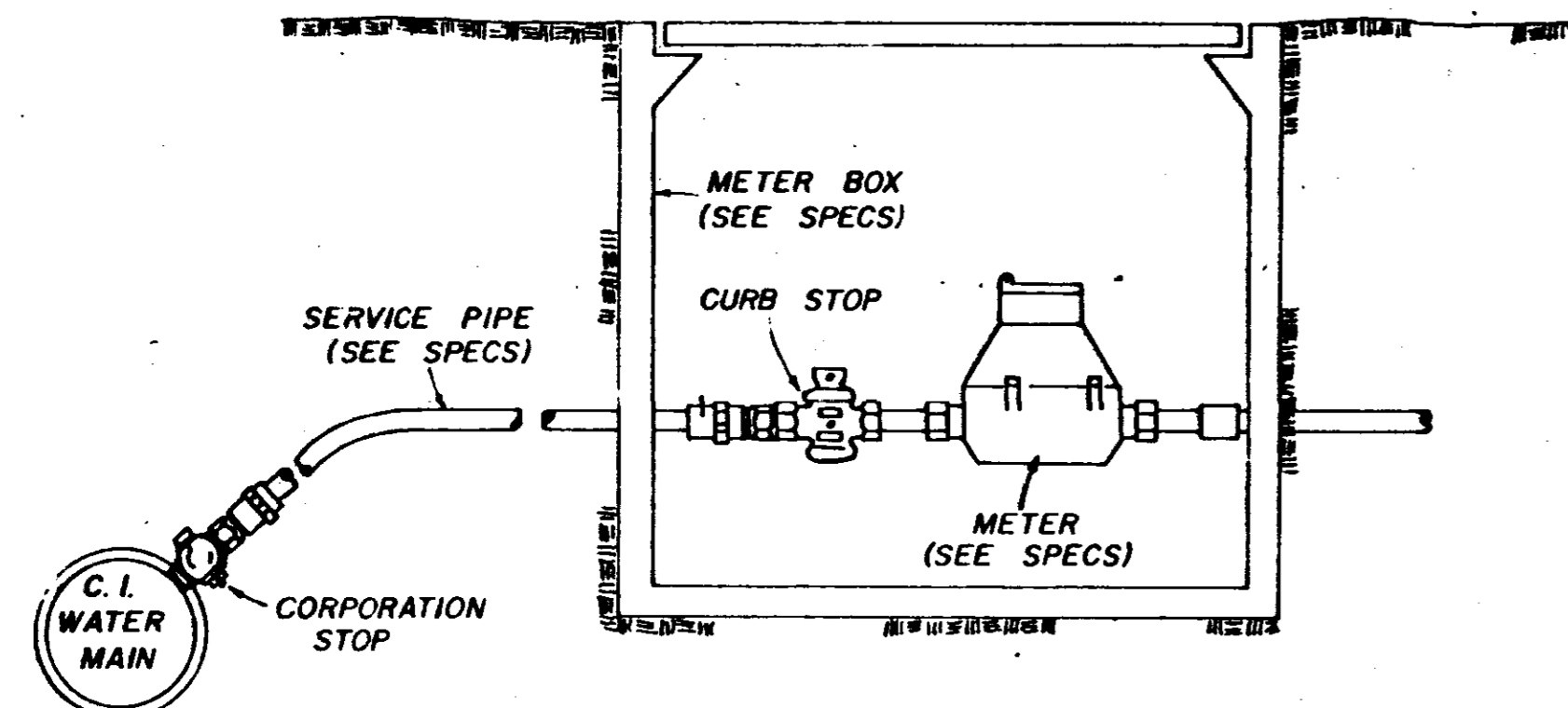
PLAN

PIPE SIZE	1/4 BEND	1/8 BEND	PLUGS & TEES
4-6	3	3	3
8	3	3	3
10	4	3	3
12	6	3	4
16	11	4	7

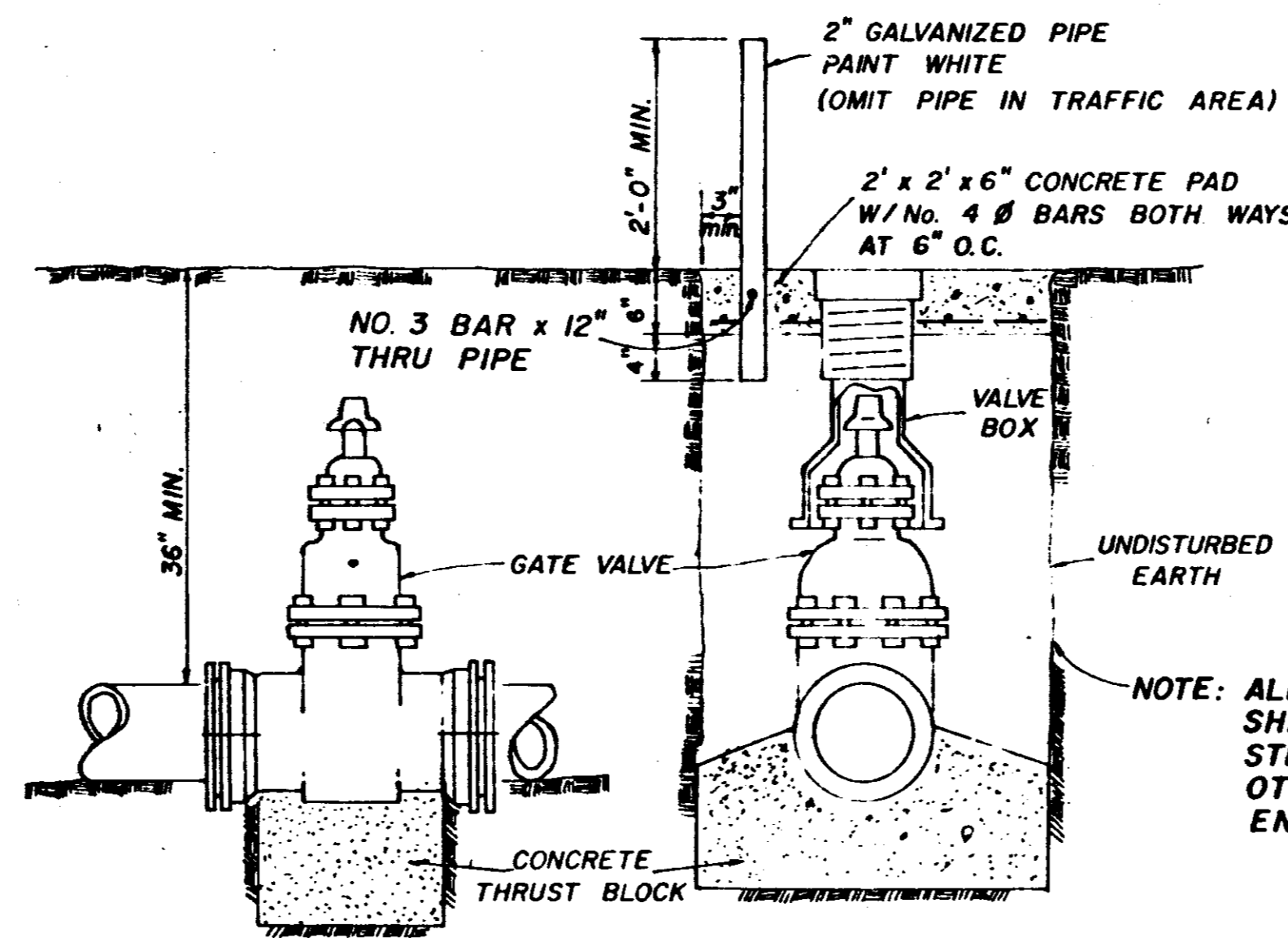
NOTE: AREA OF BEARING FACE IN SQUARE FEET.



TYPICAL 2" BLOW-OFF DETAIL



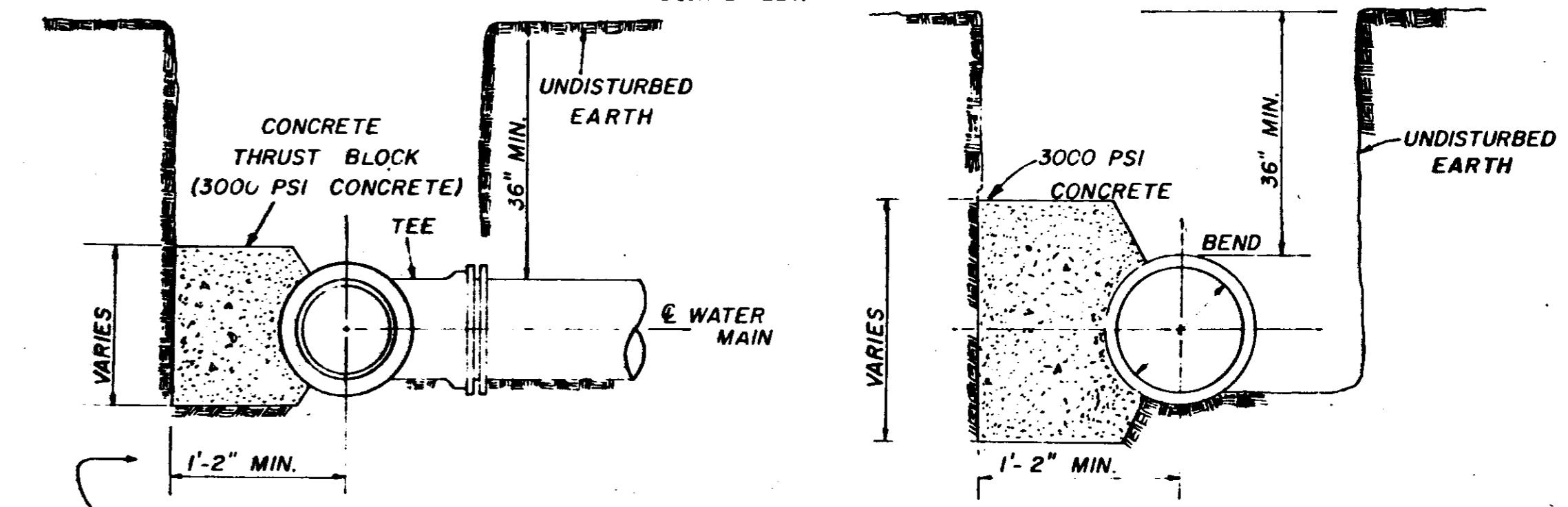
TYPICAL SERVICE ASSEMBLY



ELEVATION SECTION

TYPICAL VALVE & BOX

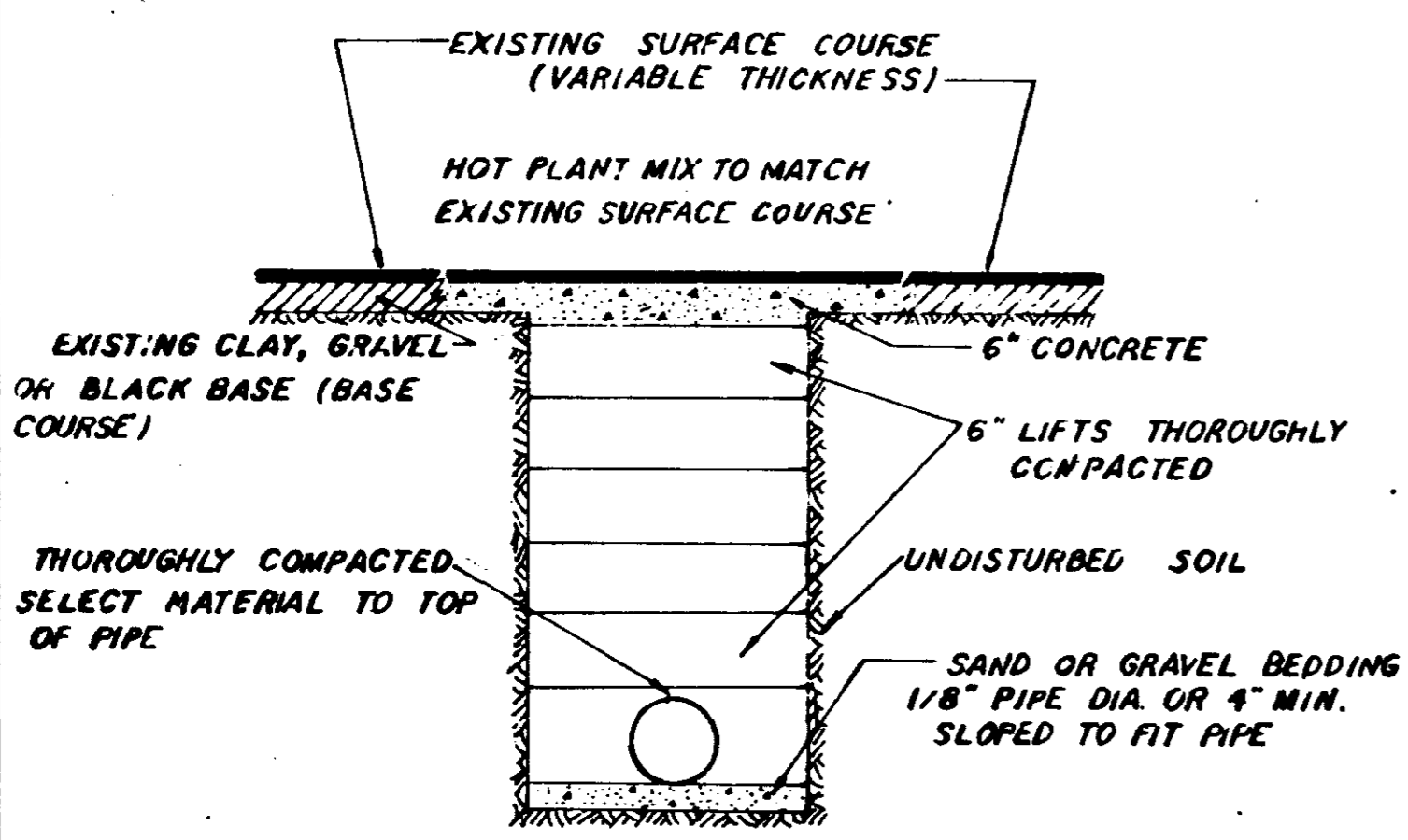
NOTE: ALL WATER MAIN CONNECTIONS SHALL BE RODDED WITH ALL STEEL RODS (3/4" MIN.) UNLESS OTHERWISE INSTRUCTED BY ENGINEER.



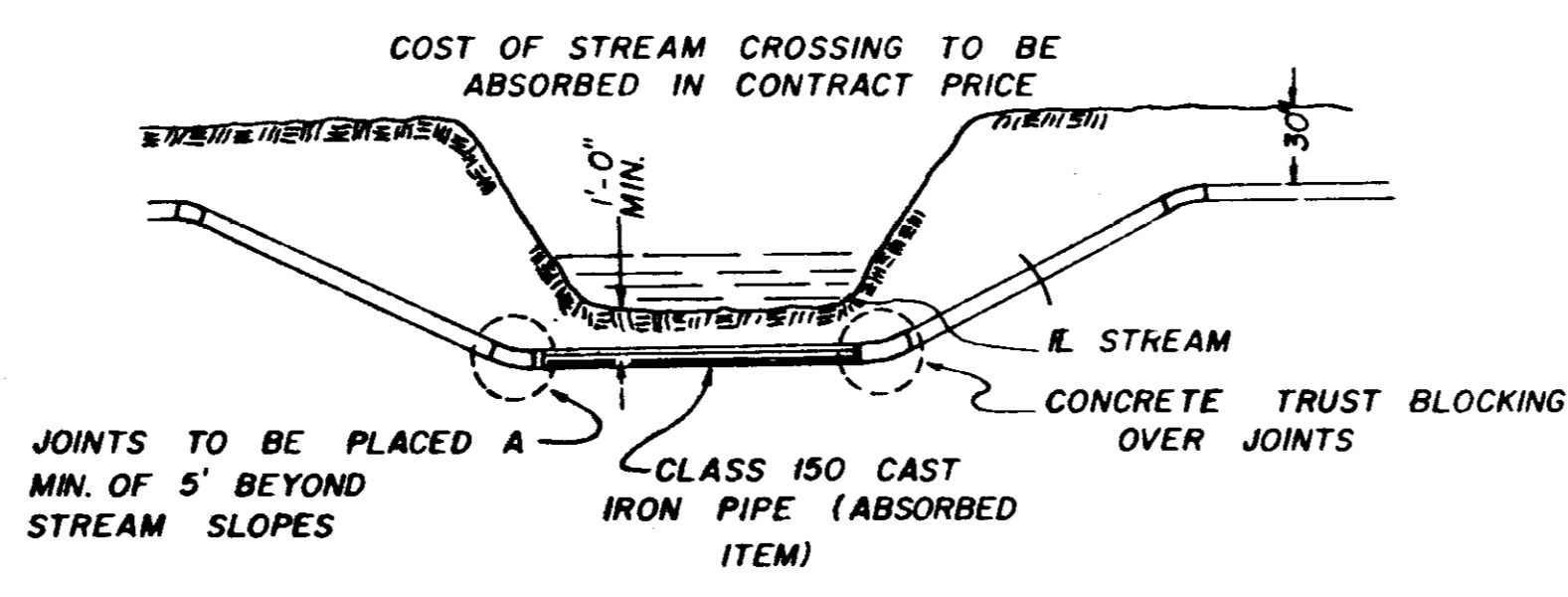
SECTION

SECTION

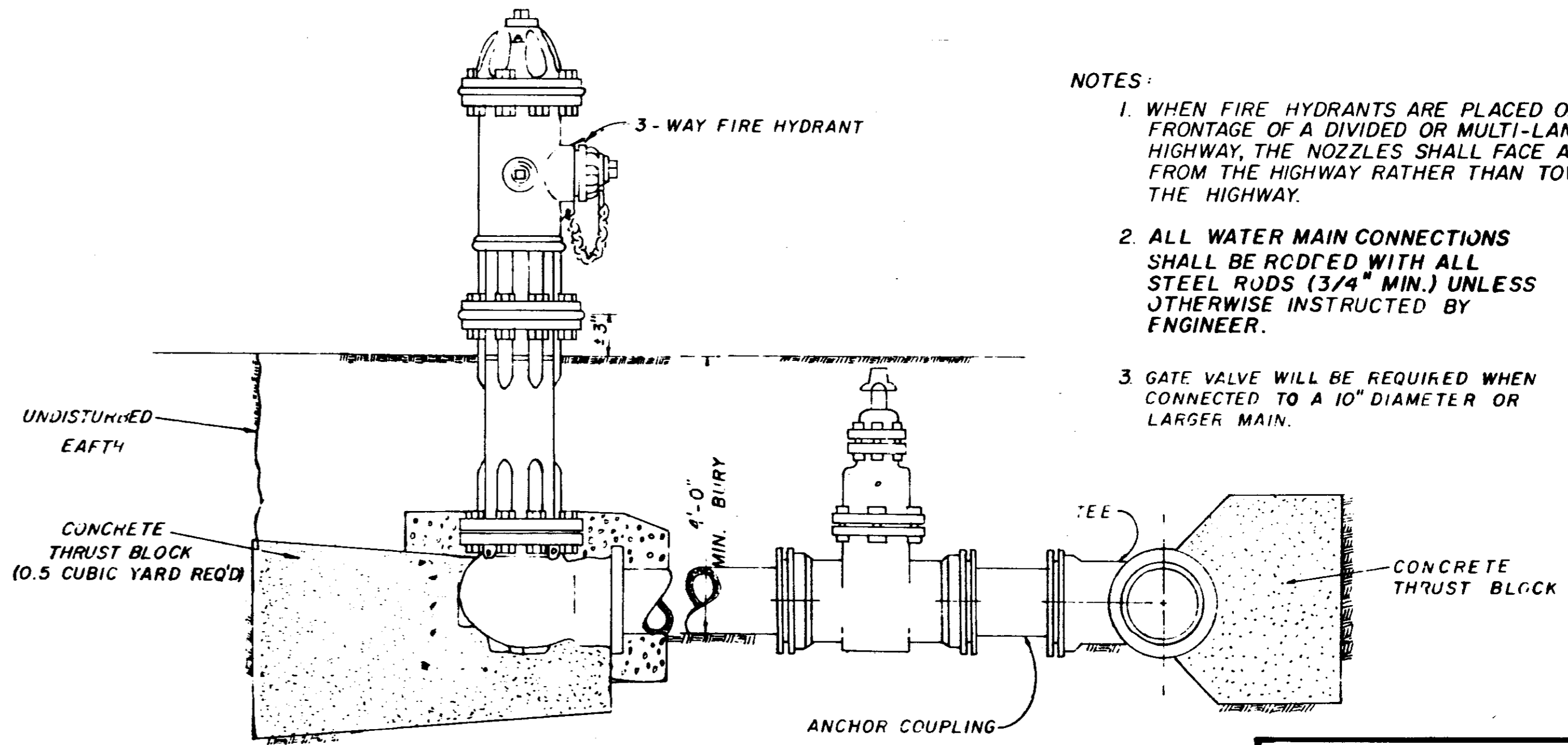
BLOCKING DETAILS FOR TEES & BENDS



STREET REPAIR OF OPEN OUT



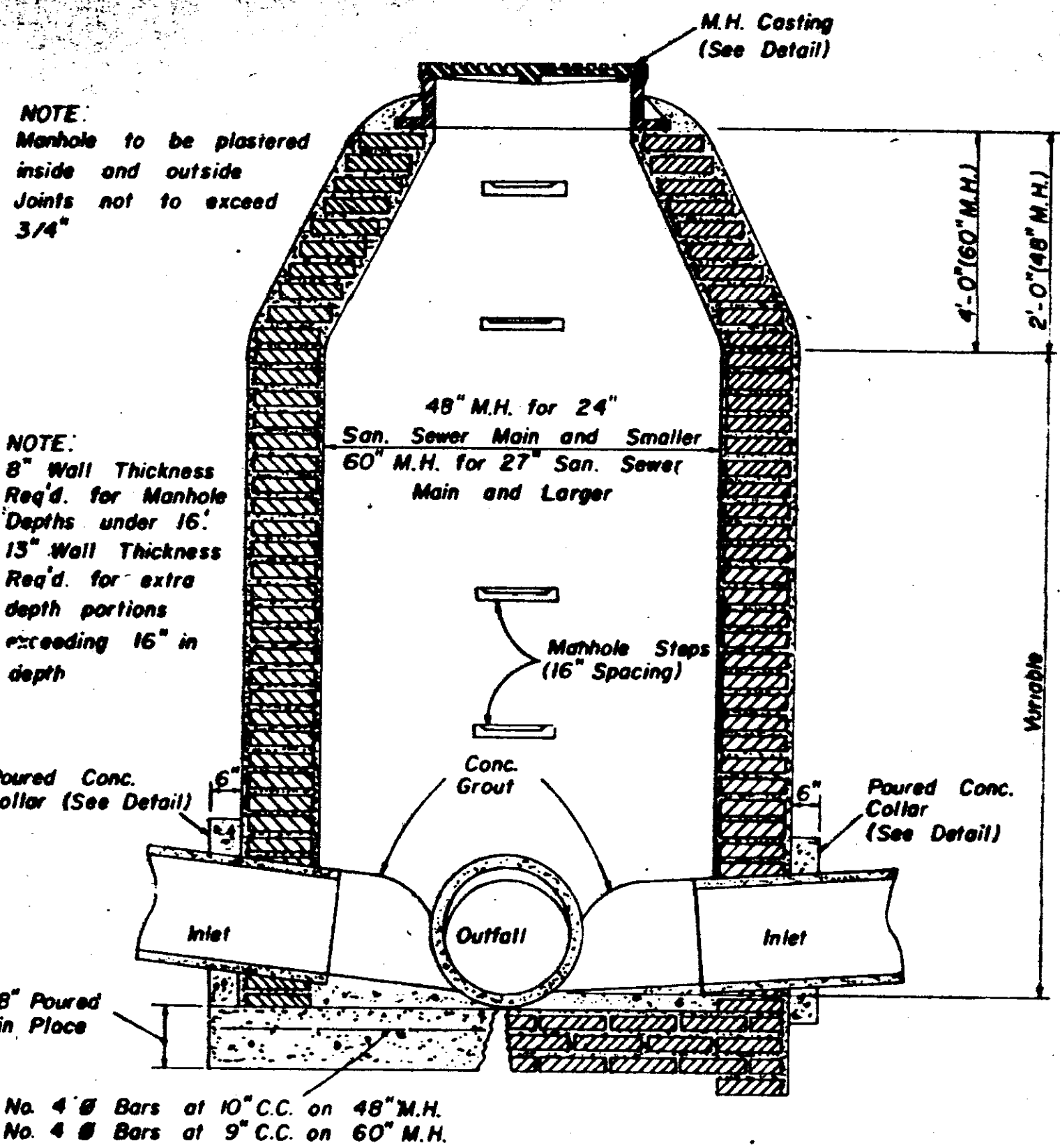
TYPICAL STREAM CROSSING



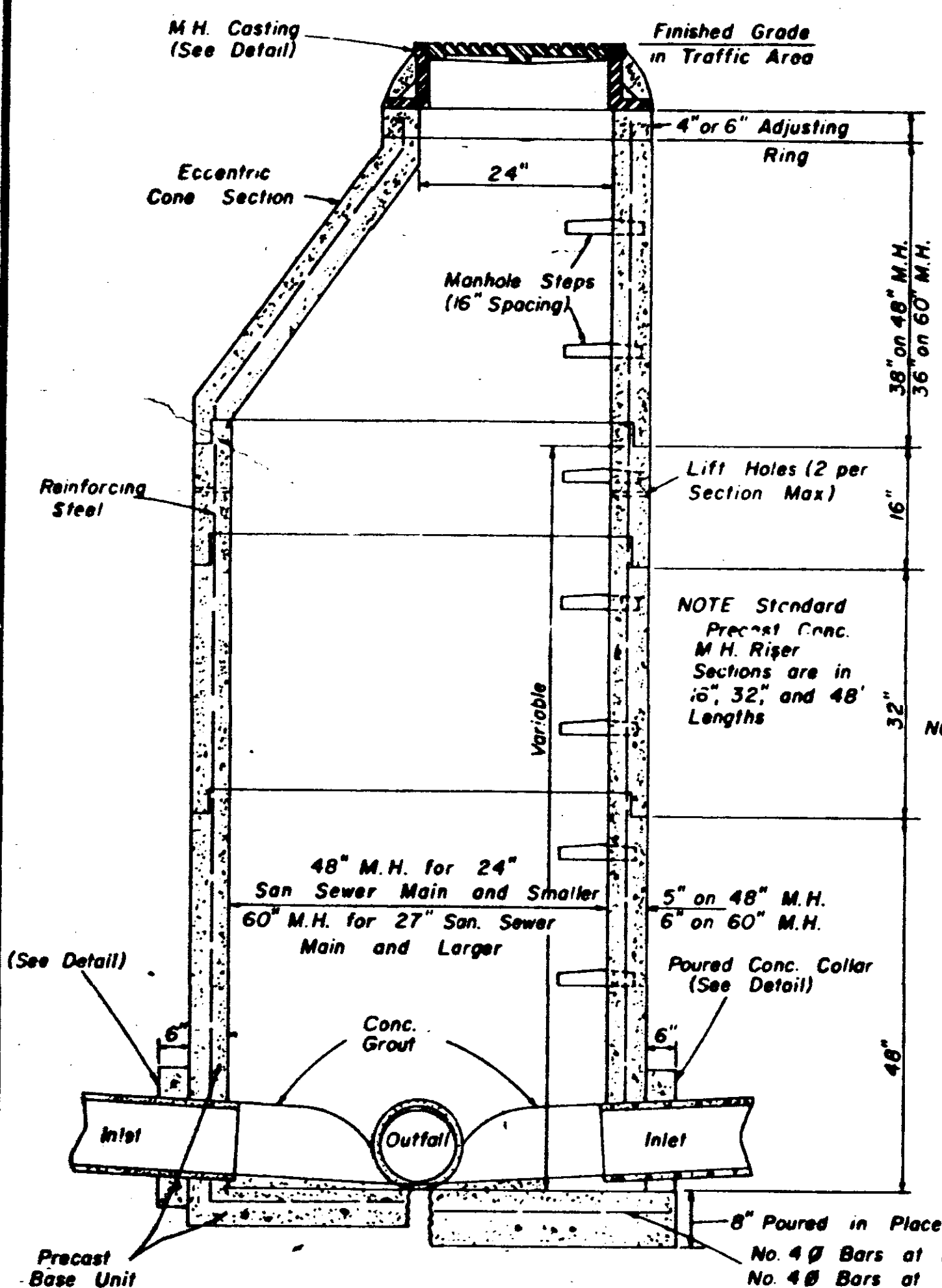
TYPICAL FIRE HYDRANT

- NOTES:
1. WHEN FIRE HYDRANTS ARE PLACED ON THE FRONTAGE OF A DIVIDED OR MULTI-LANE HIGHWAY, THE NOZZLES SHALL FACE AWAY FROM THE HIGHWAY RATHER THAN TOWARD THE HIGHWAY.
 2. ALL WATER MAIN CONNECTIONS SHALL BE RODDED WITH ALL STEEL RODS (3/4" MIN.) UNLESS OTHERWISE INSTRUCTED BY ENGINEER.
 3. GATE VALVE WILL BE REQUIRED WHEN CONNECTED TO A 10" DIAMETER OR LARGER MAIN.

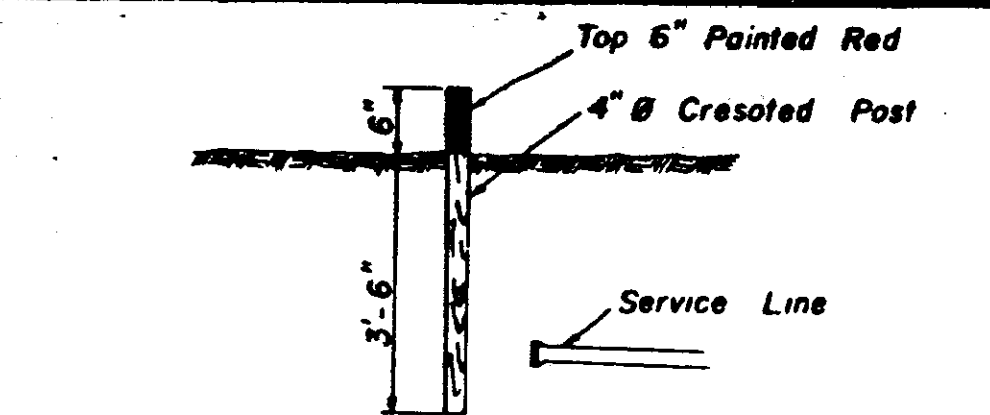
WATER SYSTEM STANDARD DETAILS



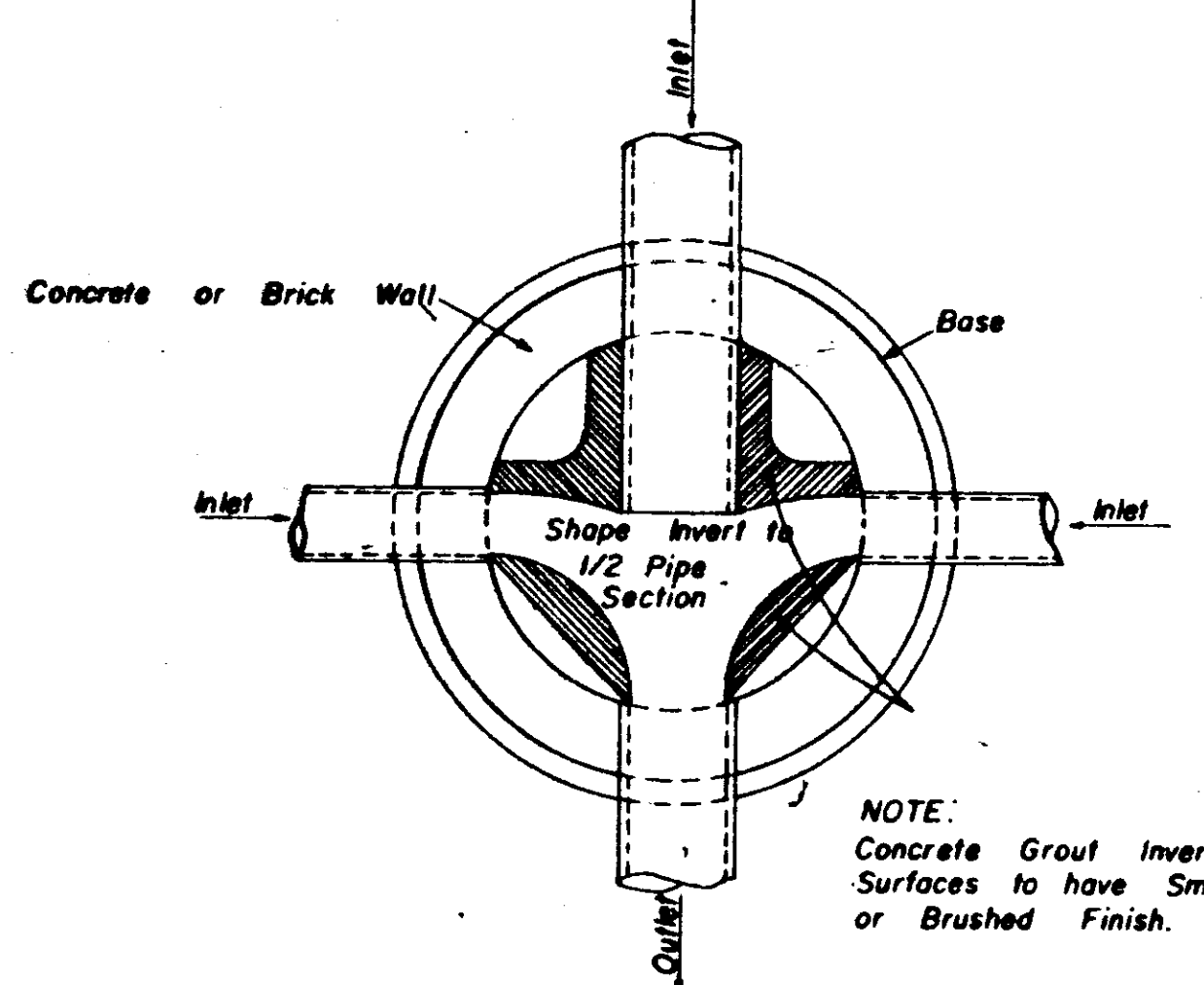
**SECTION
STANDARD BRICK MANHOLE**



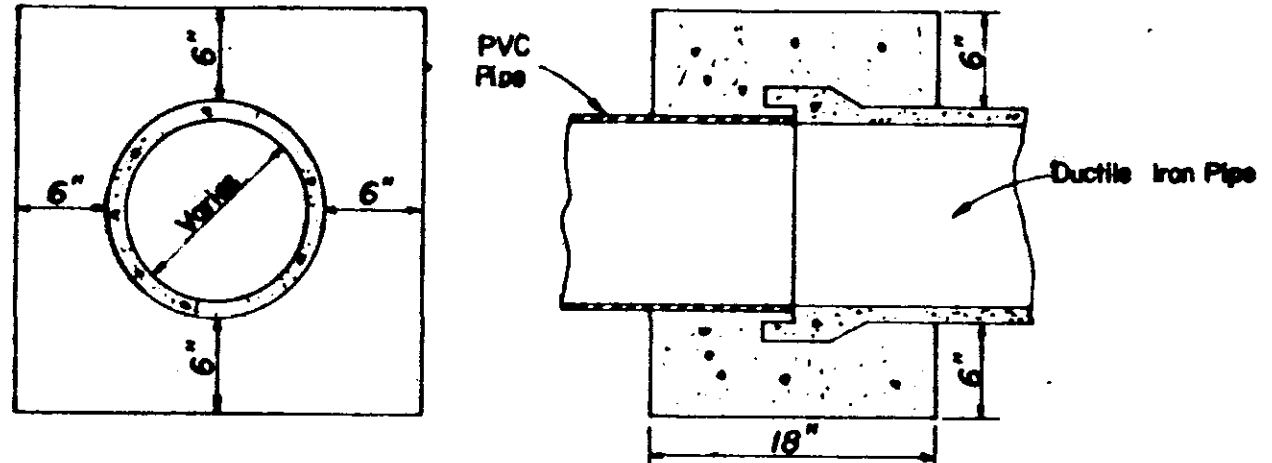
**SECTION
PRECAST CONCRETE MANHOLE**



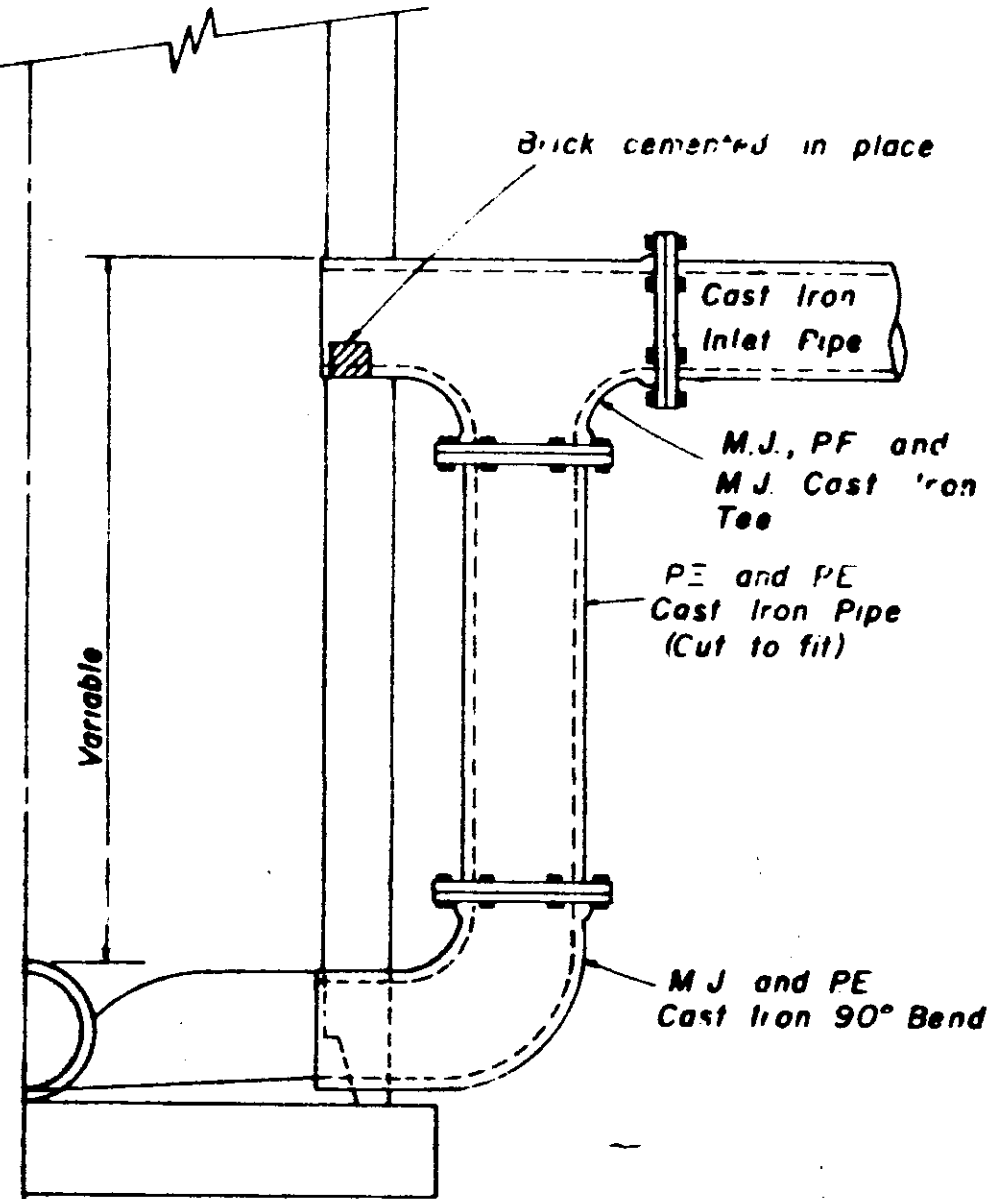
SEWER SERVICE MARKER



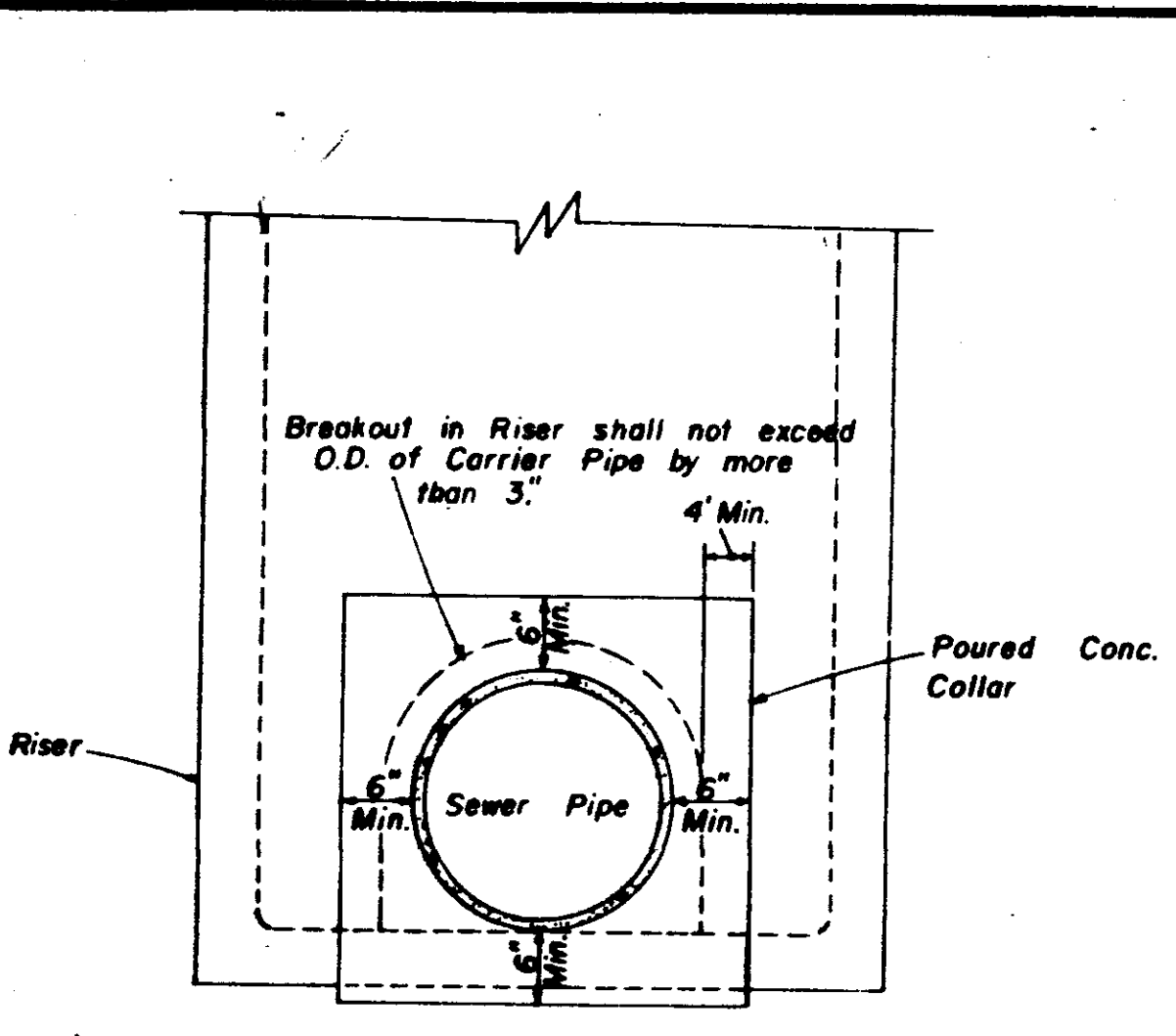
**PLAN OF MANHOLE
FLOW CHANNELS**



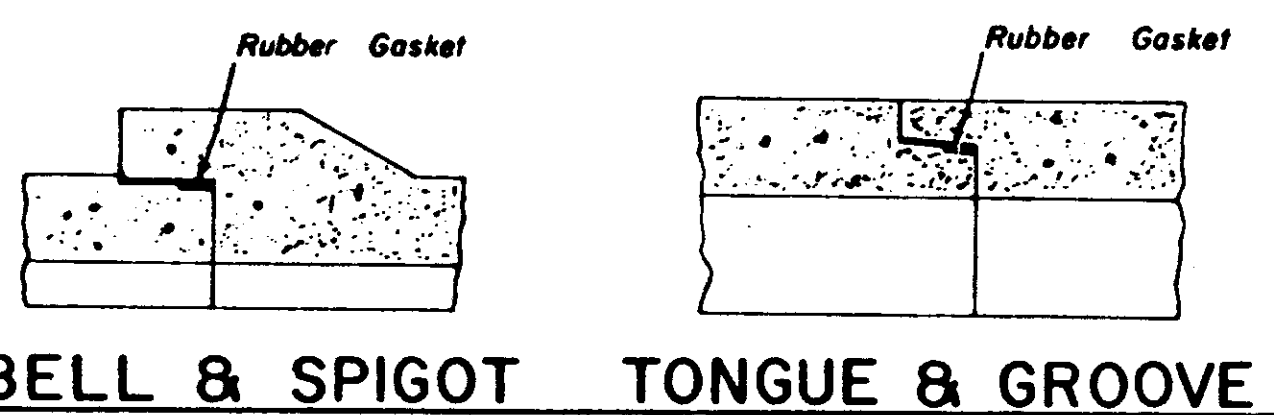
**ELEVATION SECTION
CONCRETE COLLAR DETAILS**



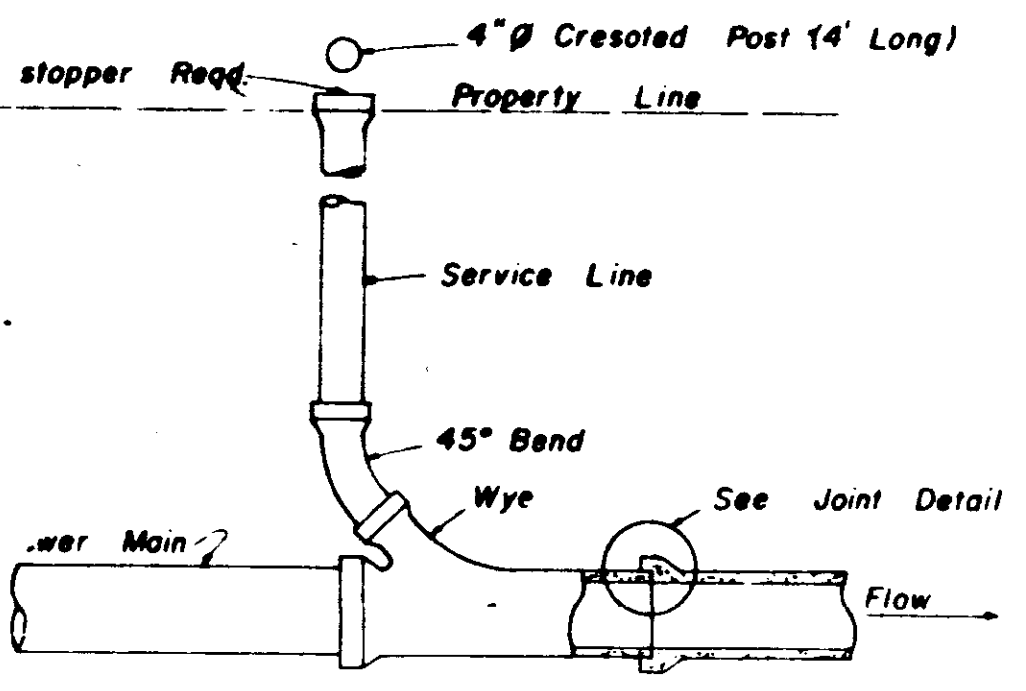
**HALF SECTION
MANHOLE WITH DROP CONNECTION**



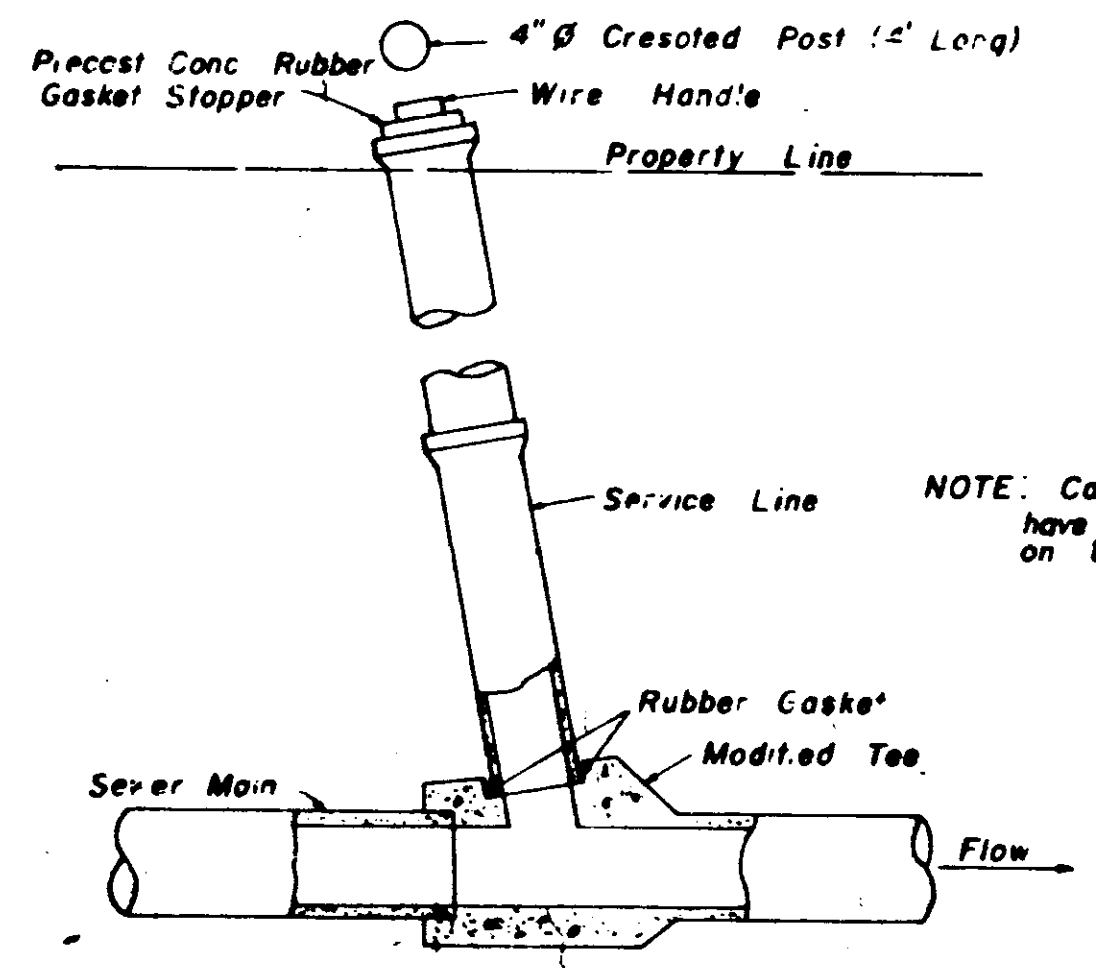
**ELEVATION
CONCRETE COLLAR AT
MANHOLE CONNECTION**



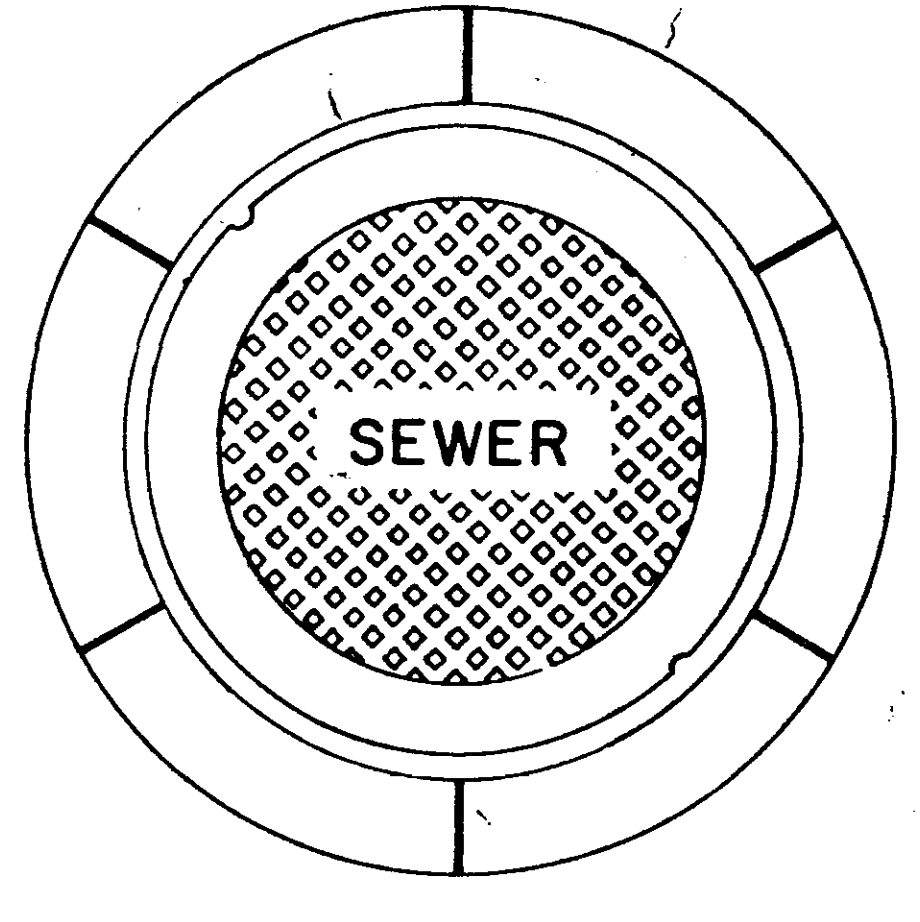
**BELL & SPIGOT TONGUE & GROOVE
JOINT DETAILS**



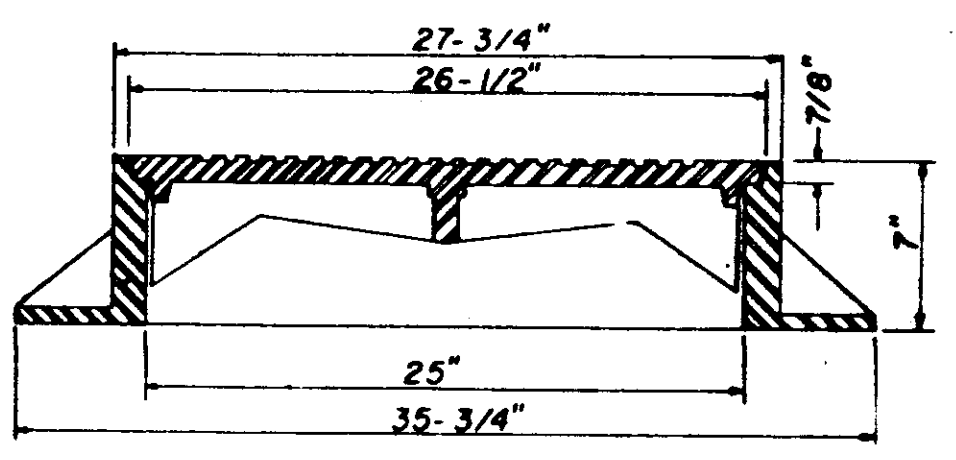
**TYPICAL SERVICE TO PROPERTY LINE
WITH WYE JOINT**



**TYPICAL SERVICE TO PROPERTY LINE
WITH MODIFIED TEE JOINT**

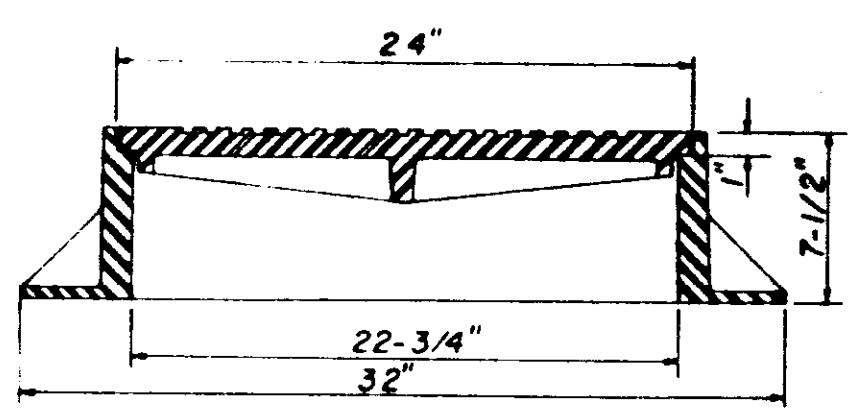


**PLAN
MANHOLE CASTING**



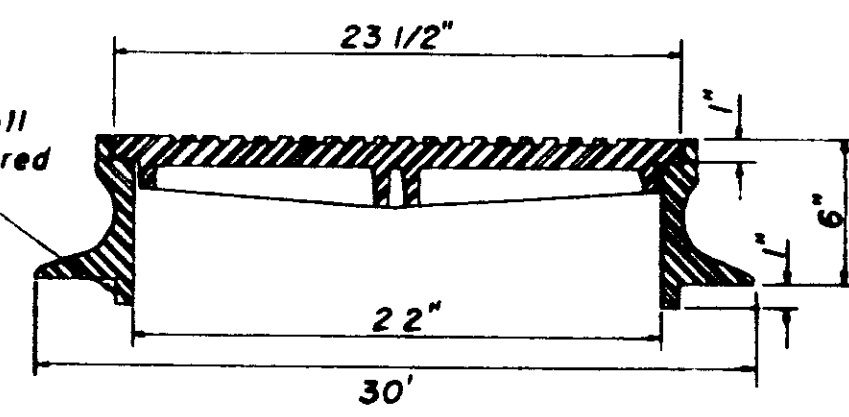
**SECTION
TYPE "A" MANHOLE CASTING**

NOTE: 1. Use Type "A" Manhole Casting in Street R.O.W.
2. Use Harper No. 2, City of Jackson Standard (420 lbs.) or Vulcan No. VM-15, City of Jackson Standard (420 lbs.)



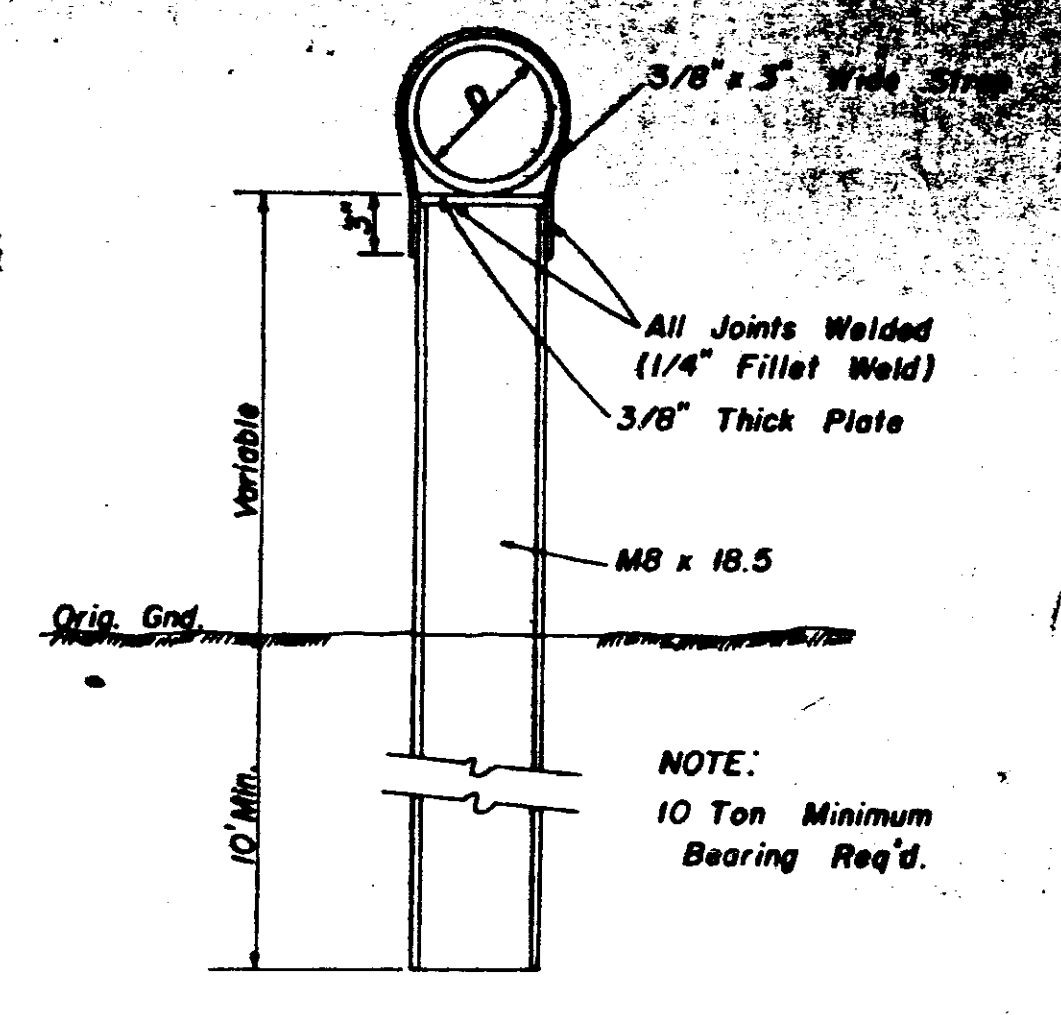
**SECTION
TYPE "B" MANHOLE CASTING**

NOTE: 1. Use Type "B" Manhole Casting for any Manhole not in a Street R.O.W.
2. Use Harper No. 1 (M.S.P.E. Standard) Light Weight (330 lbs.) or Vulcan No. VM-17 (300 lbs.) or Opelika Foundry No. C-2-1 (325 lbs.)

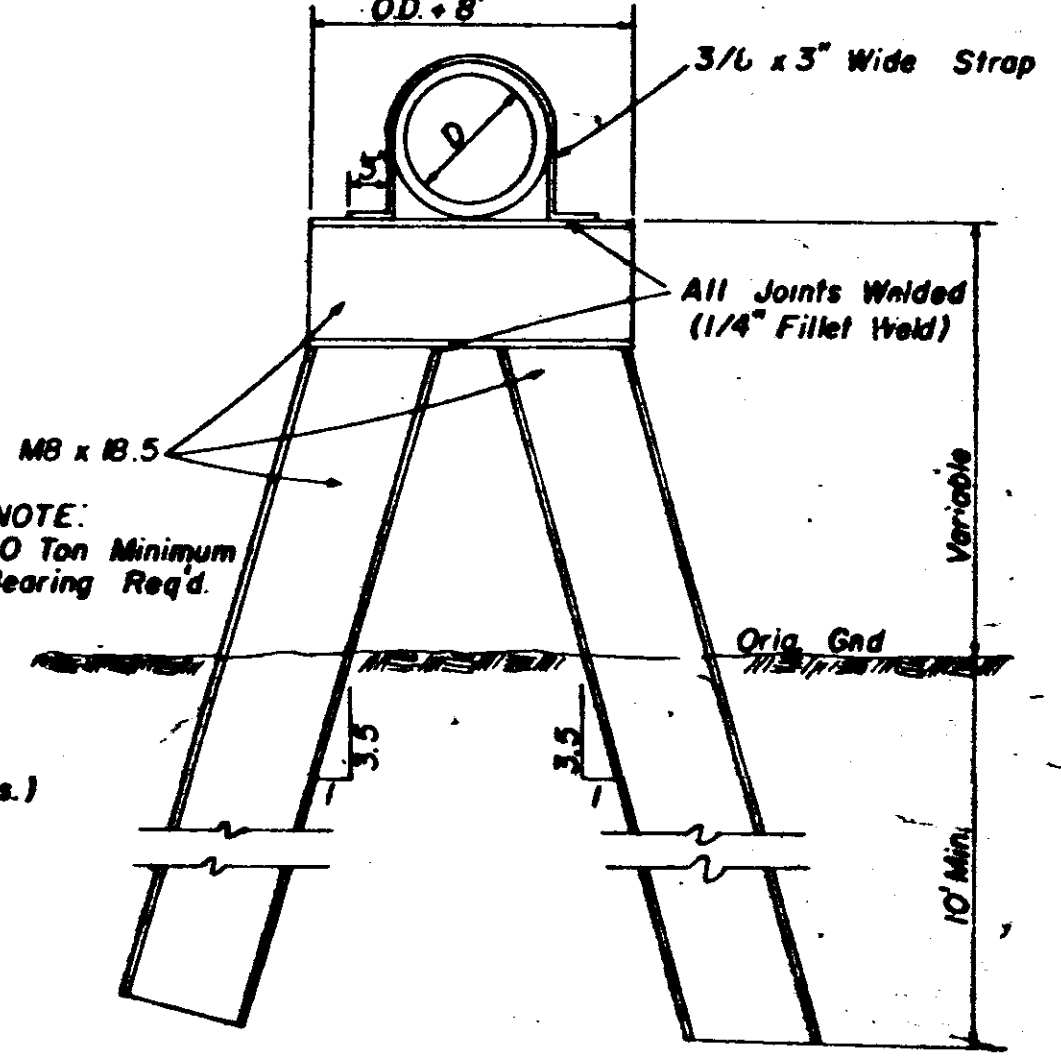


**SECTION
TYPE "C" MANHOLE CASTING**

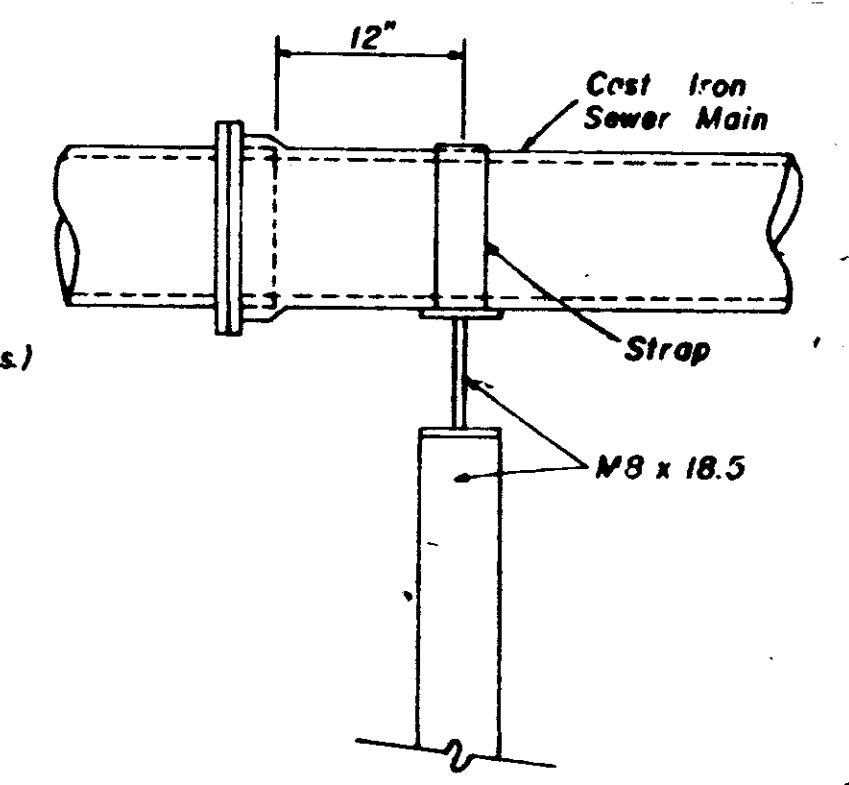
NOTE: 1. Use Type "C" Manhole Casting for Precast Manhole not in a Street R.O.W.
2. Use Harper No. 8 (330 lbs.) or Neenah No. R-1779 (300 lbs.) or Vulcan No. VM-7 (330 lbs.)



**DETAIL
TYPE "A" PIER**



**DETAIL
TYPE "B" PIER**

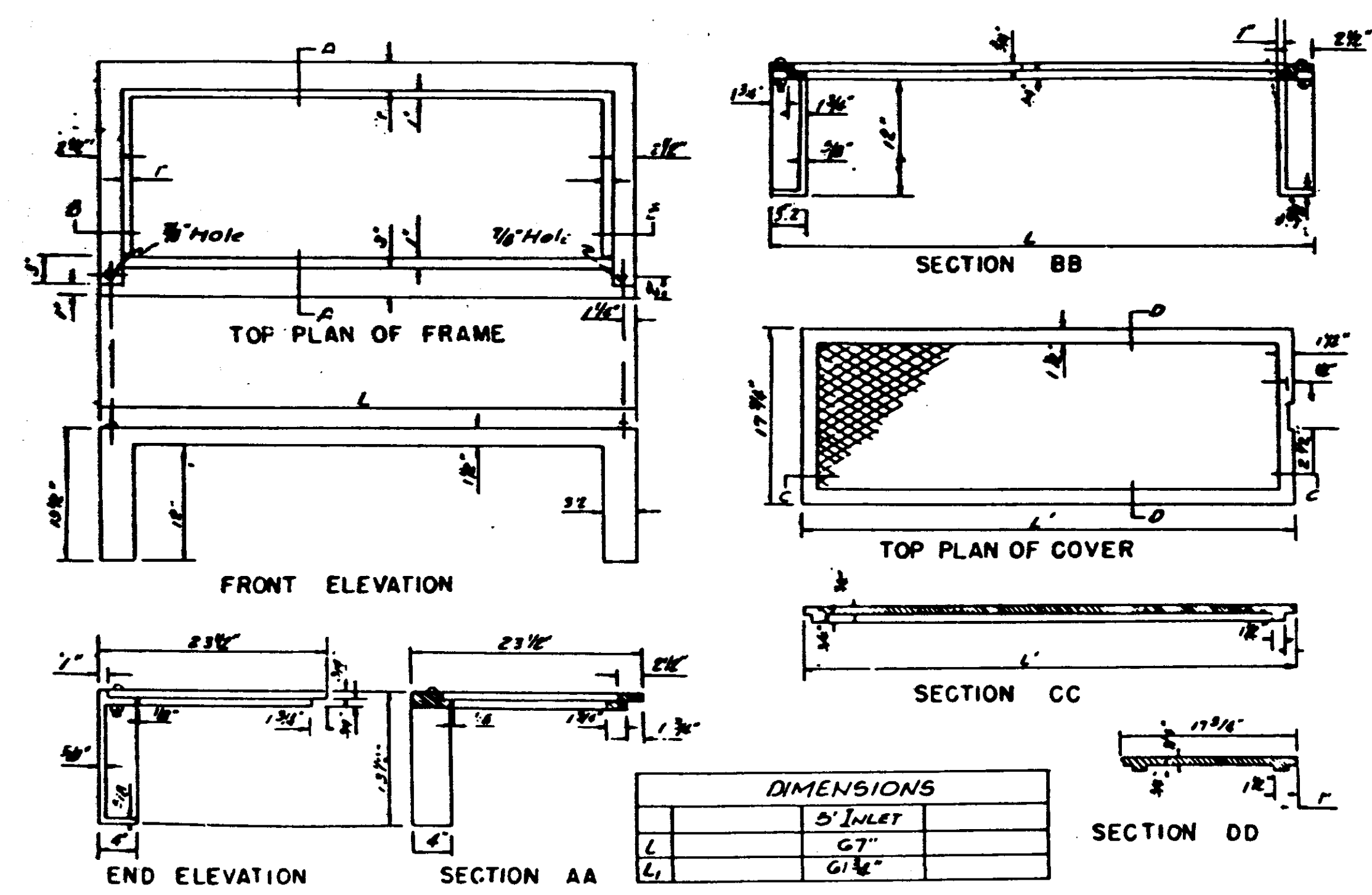


**SIDE ELEVATION
TYPE "B" PIER**

**SANITARY SEWER
STANDARD DETAILS**

CITY OF RIDGELAND

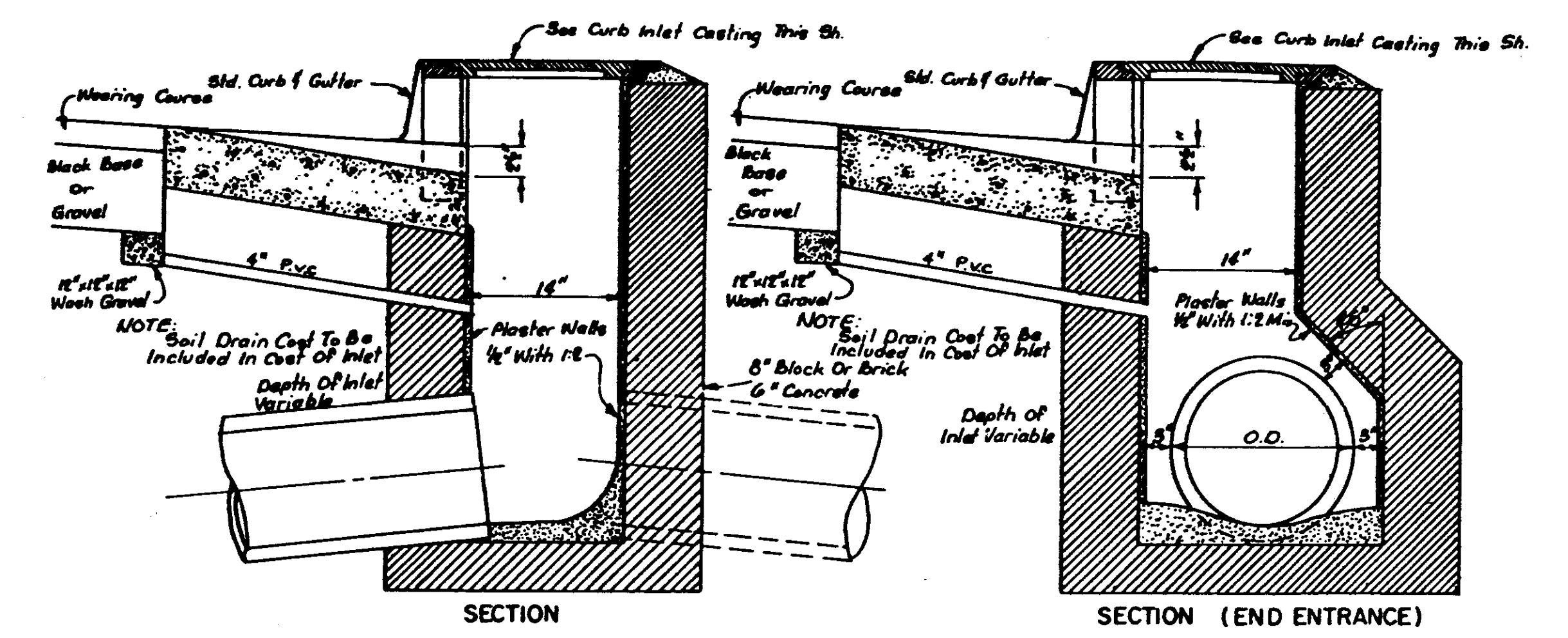
DRAWN BY: J.F. DATE: MARCH, 1969
CHECKED BY: L.B. SCALE: AS SHOWN 12 OF 13



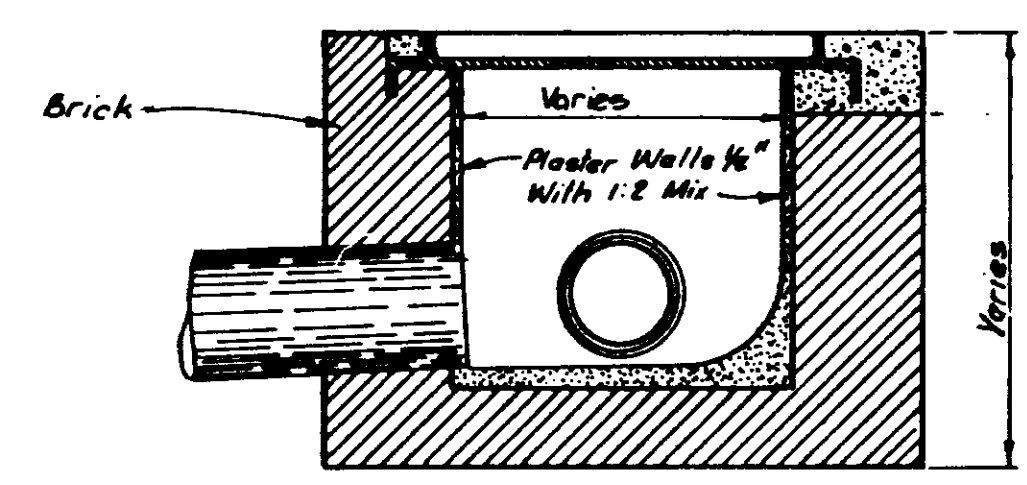
DIMENSIONS

L	5' INLET	
L	67"	
L	67 1/2"	

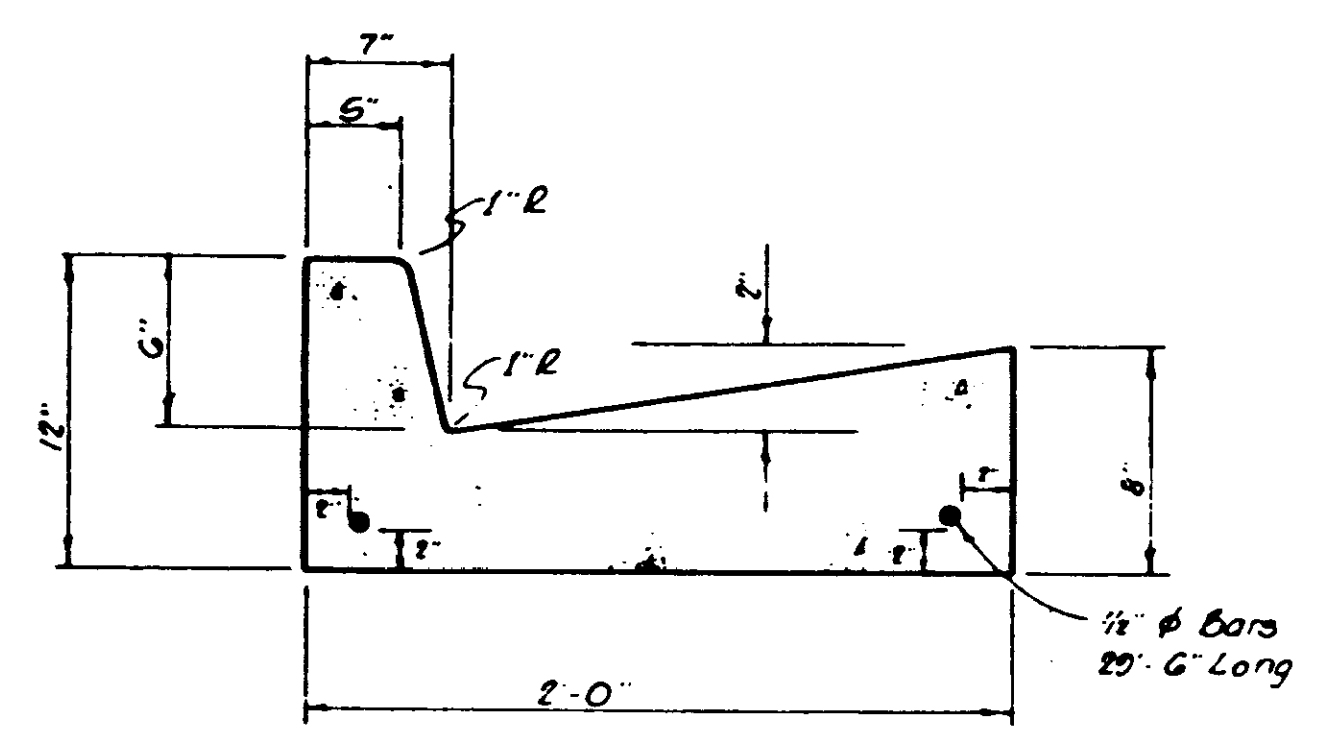
STANDARD CURB INLET CASTING



STANDARD CURB INLET



JUNCTION BOX WITH 24" NON-TRAFFIC OPEN GRATE



STANDARD CURB & GUTTER

NOTE: Water Service Connections Shall Be Marked In The Face Of The Curb With A "W" And The Sanitary Sewer Service Connections Shall Be Marked With An "S".