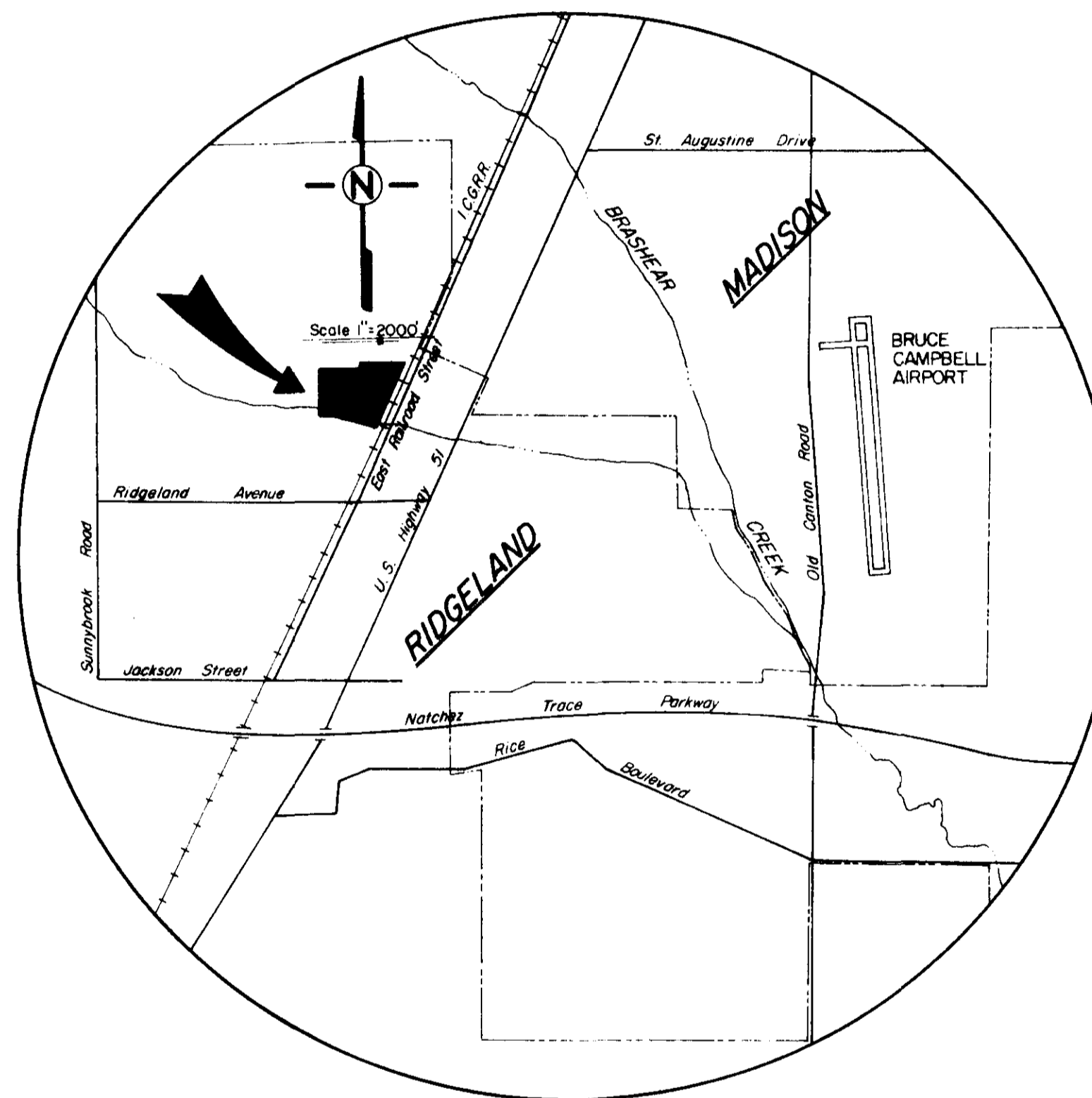


# COTTONWOOD PLACE

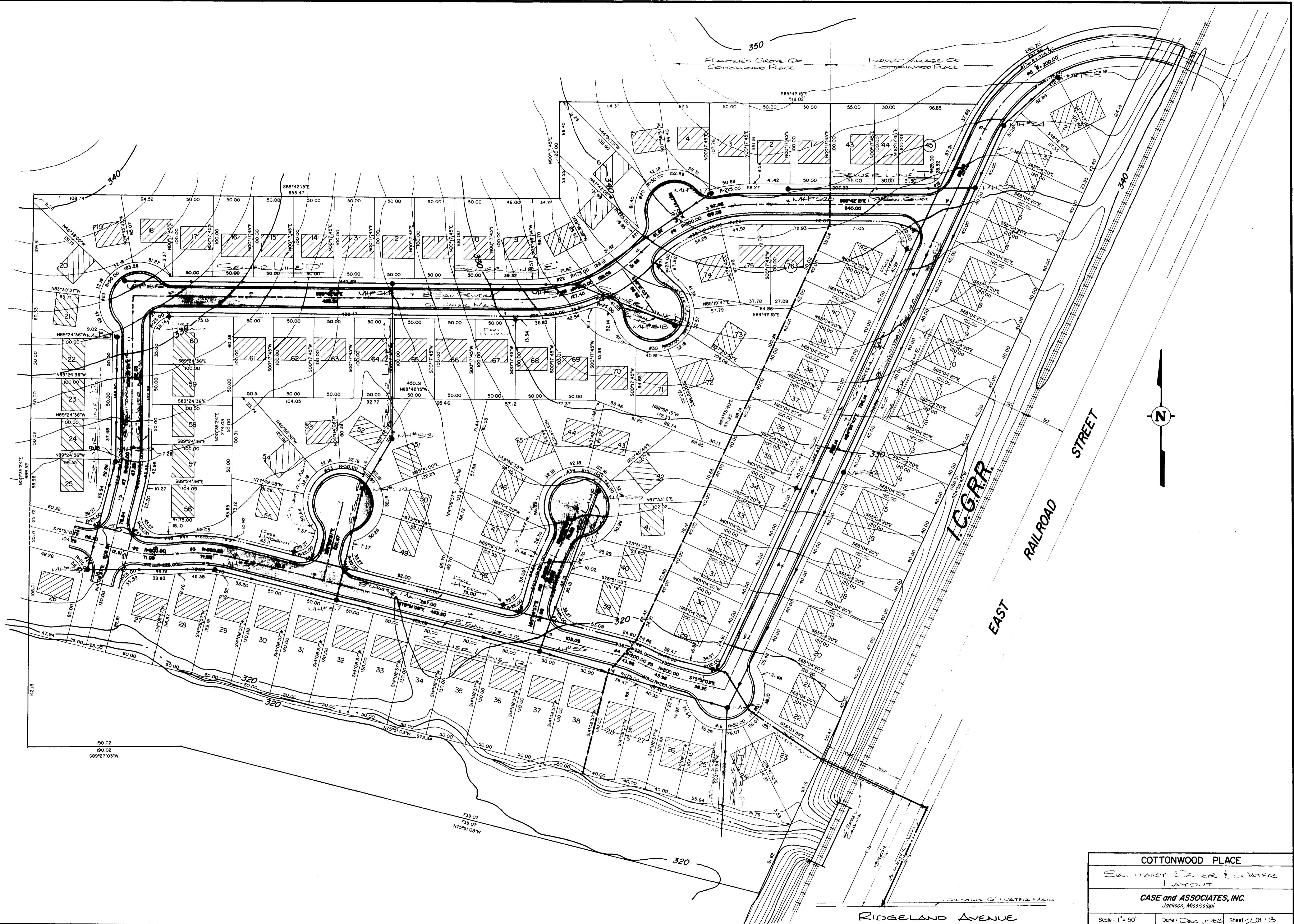
SITUATED IN THE NE1/4 OF SECTION 19, T7N-R2E,  
RIDGELAND, MADISON COUNTY, MISSISSIPPI

a development by:  
**COTTONWOOD, INC.**



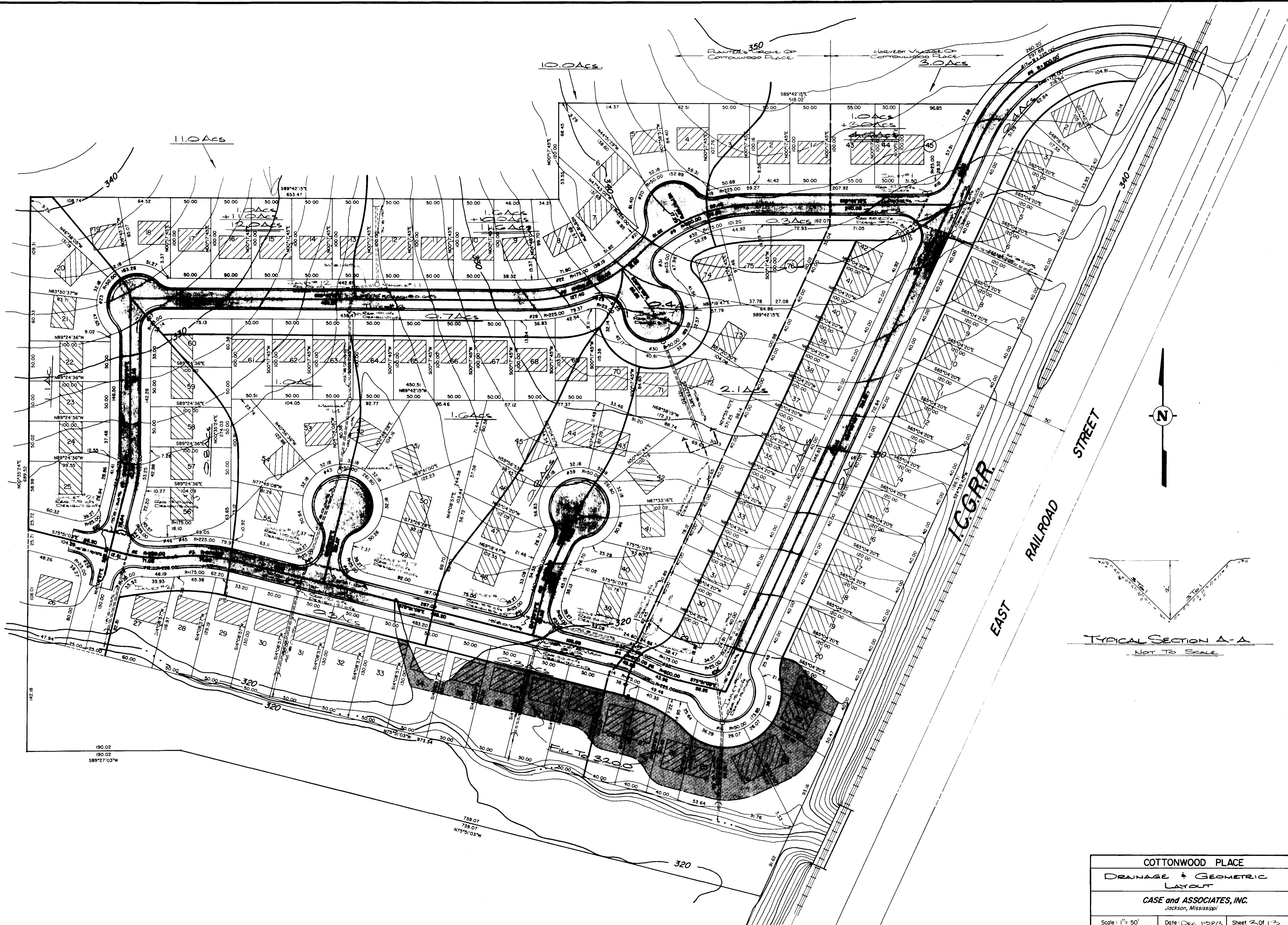
prepared by:  
**CASE & ASSOCIATES, INC.**

DECEMBER, 1983  
**PWP-00307**



COTTONWOOD PLACE		
SANITARY SEWER & WATER LAYOUT		
CASE and ASSOCIATES, INC. Jackson, Mississippi		
Scale: 1" = 50'	Date: DEC., 1983	Sheet 2 of 13



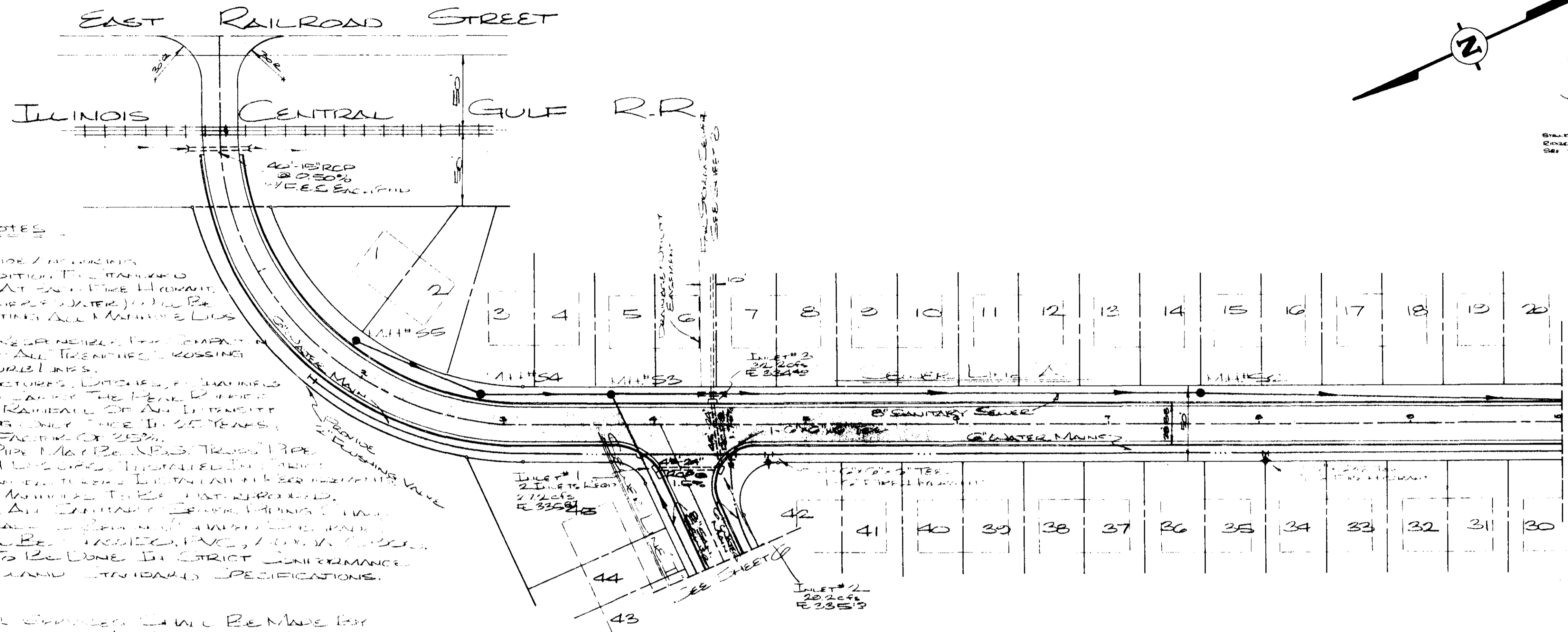


<b>COTTONWOOD PLACE</b>		
DRAINAGE & GEOMETRIC LAYOUT		
CASE and ASSOCIATES, INC. Jackson, Mississippi		
Scale: 1" = 50'	Date: DEC. 1, 1983	Sheet 2 of 13



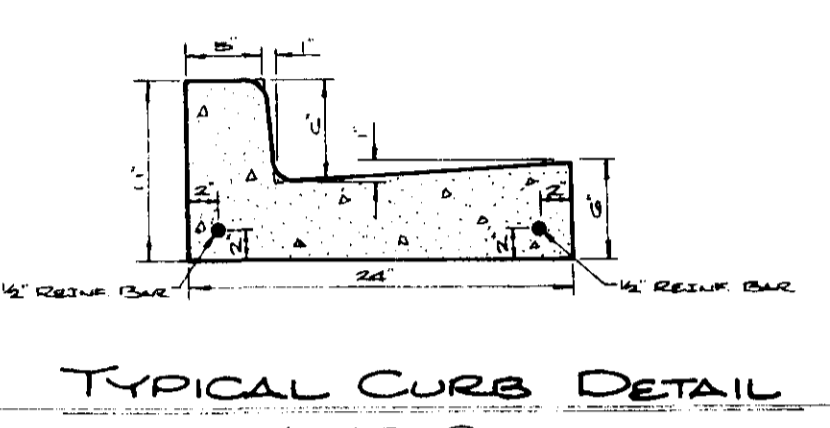
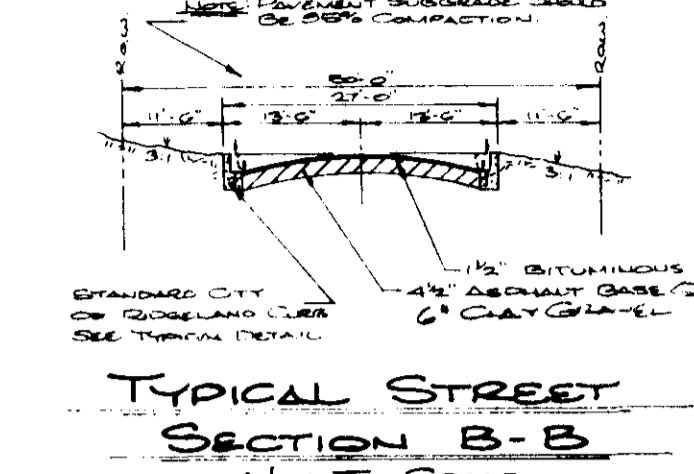
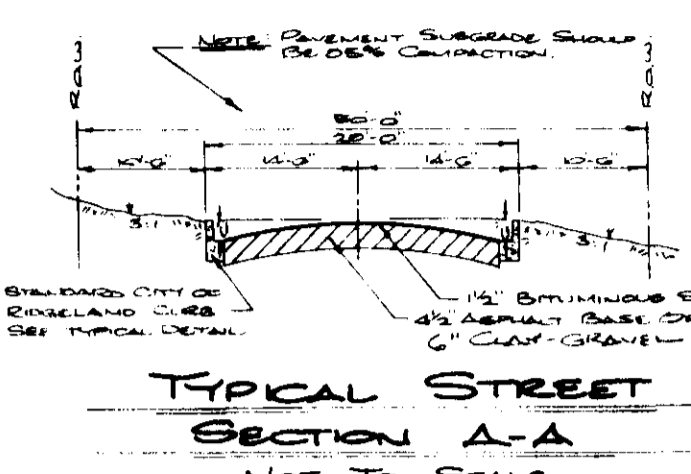
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 SHEET NO. \_\_\_\_\_

DATE \_\_\_\_\_ BY \_\_\_\_\_  
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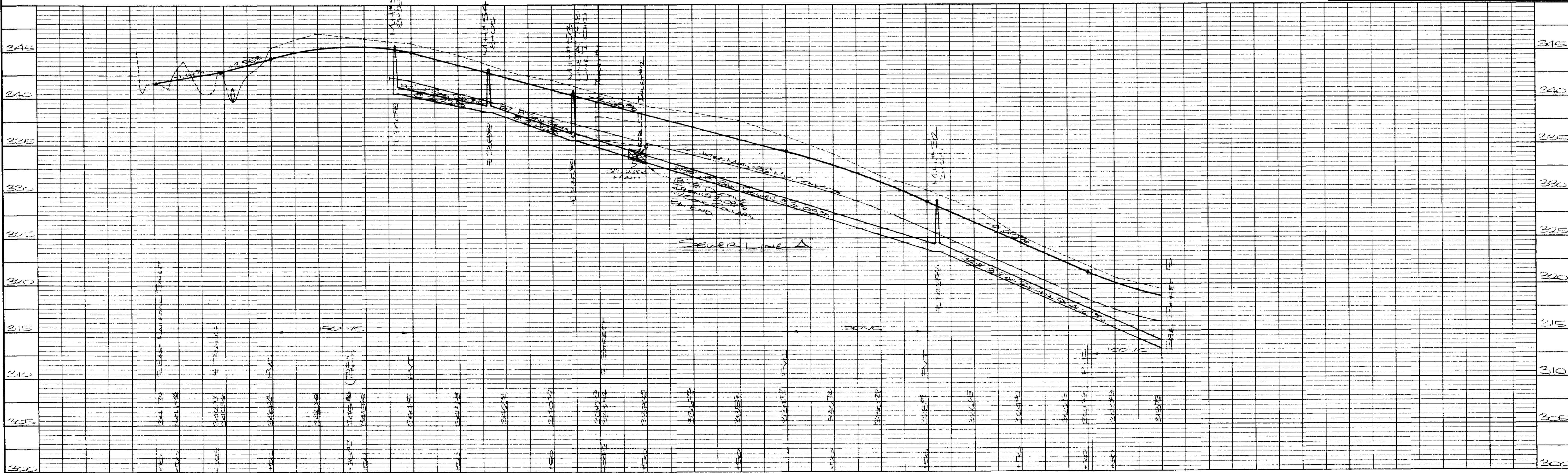


**GENERAL NOTES**

- (1) CONTRACTOR SHALL PROVIDE / PROVIDING JOINTING TO MATCH IN ADDITION TO THE STANDARD CONCRETE JOINT BUCKETS AT 25' TO 30' INTERVALS.
- (2) UTILITY CONTRACTOR SHALL VERIFY ALL RECORDS RESPONSIBLE FOR ADJUSTING ALL MANHOLE LIDS TO FINISHED GRADE.
- (3) UTILITY CONTRACTOR IS RESPONSIBLE FOR CHECKING TO MAINTAIN DENSITY OF ALL TRENCHES CROSSING ROADS OR NEAR CURB LINES.
- (4) ALL STORM WATER STRUCTURES, LITCHES, & MANHOLES HAVE BEEN DESIGNED TO LAST FOR THE LIFE EXPECTED DURATION FOLLOWING A RAINFALL OF AN INTENSITY AND DURATION REQUIREMENTS AS SET IN 20 YEARS WITH AN OVERTURNING FACTOR OF 2.0.
- (5) ALL SANITARY SEWER PIPE SHALL BE NEW 12" DIA. PIPE CONFORMING TO ASTM D 2412 CLASS I INSTALLATION IN TRENCHES WITH 12" MIN. COVER. LIDS SHALL BE 12" DIA. WITH 12" MIN. COVER.
- (6) ALL TRENCHES SHALL BE MINIMUM 24" WIDE.
- (7) MANHOLE REVISIONS FOR ALL SANITARY SEWER MANHOLES SHALL BE METRIC IN SIZE UNLESS OTHERWISE NOTED.
- (8) ALL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH CITY OF KIDDERMAN STANDARD SPECIFICATIONS.
- (9) ALL SANITARY SEWER SERVICES SHALL BE MADE BY 12" DIA. SERVICE CONNECTIONS AT LOT LINES. ALL SANITARY SERVICES SHALL BE MADE BY 12" DIA. METER SETTINGS AT INTERIOR LOT LINES. BOTH AS SHOWN ON DETAIL SHEETS PLS 12.

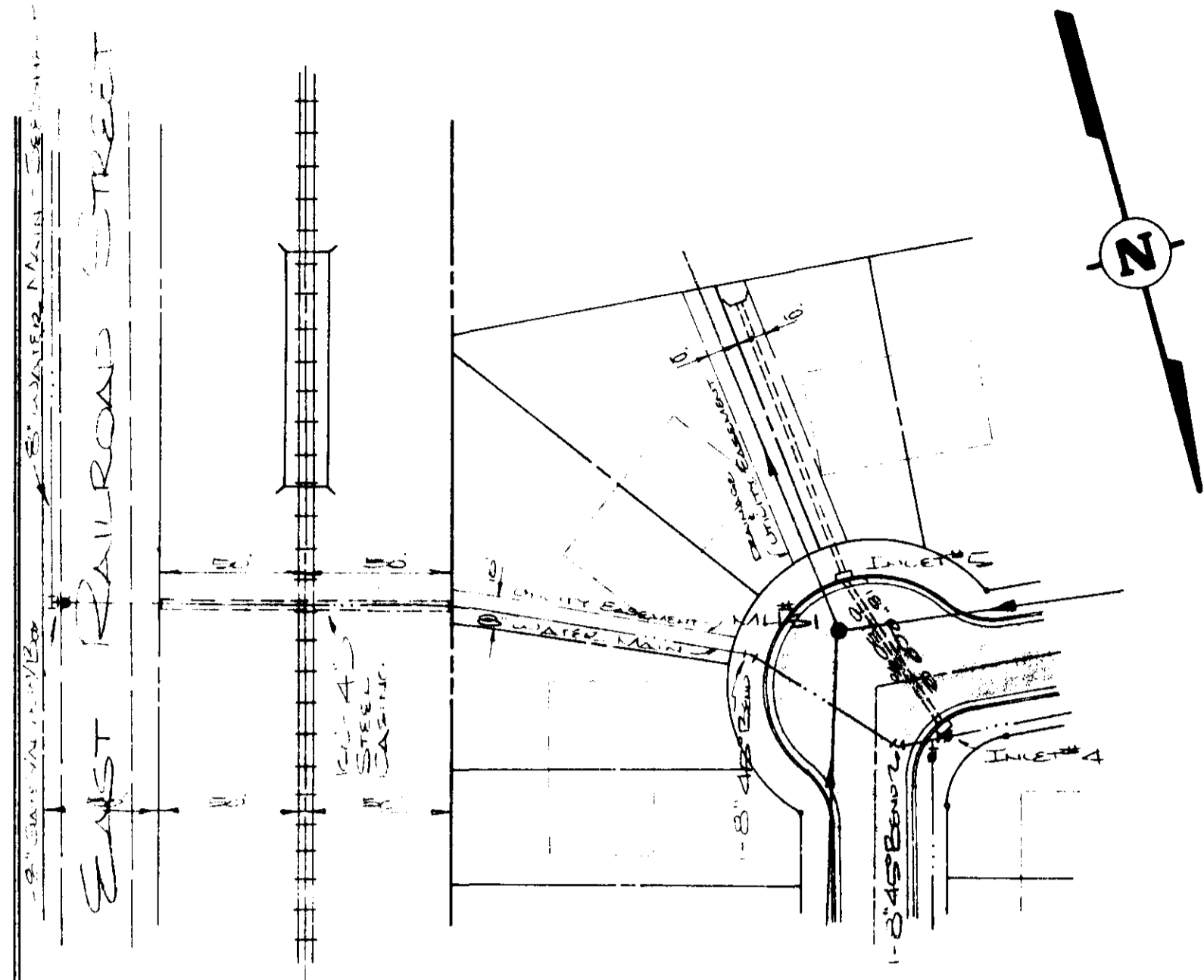
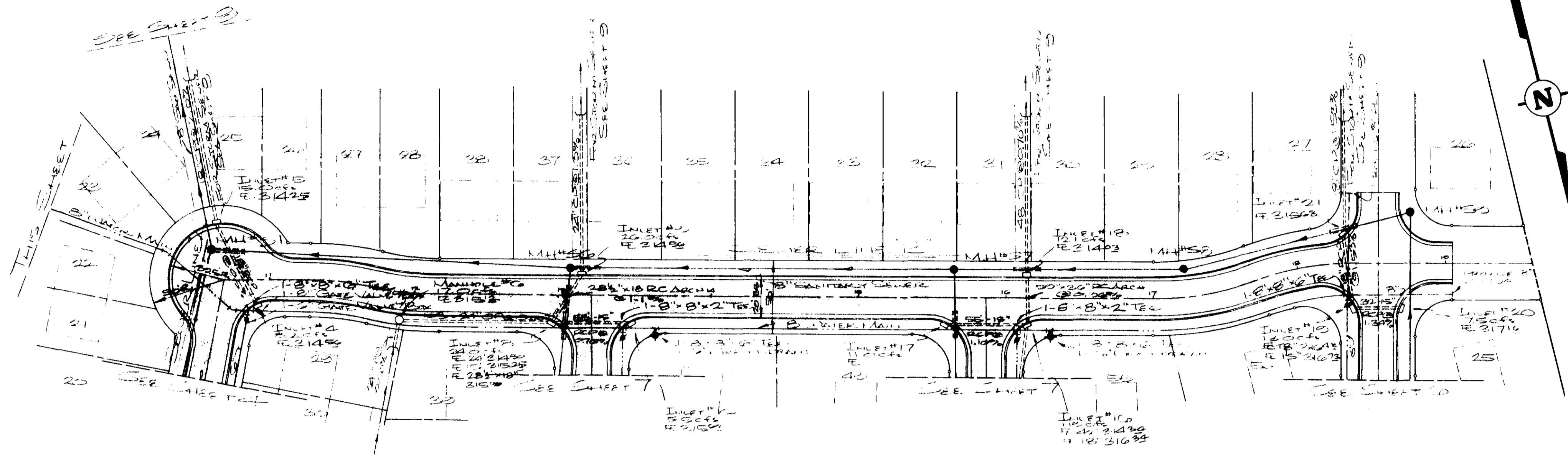


COTTONWOOD PLACE			
SEWER LINE A			
CASE and ASSOCIATES, INC. Jackson, Mississippi			
Scale: Hor. 1" = 50'	Date: DEC, 1983	Sheet: 7 of 13	Vert. 1" = 5'



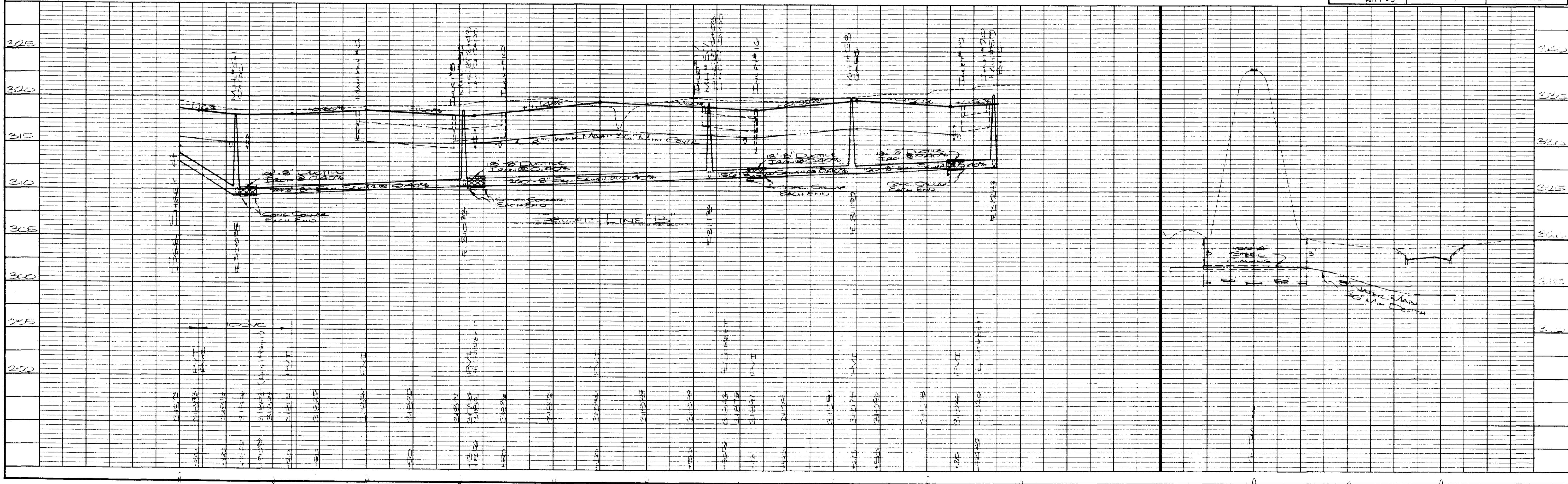


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 DRAWN: \_\_\_\_\_  
 CHECKED: \_\_\_\_\_  
 ALIGNED: \_\_\_\_\_  
 PLAN  
 NOTE BOOK  
 No. \_\_\_\_\_



COTTONWOOD PLACE  
 SUPER LINE "B"  
 CASE and ASSOCIATES, INC.  
 Jackson, Mississippi  
 Scale: Hor. 1" = 50'  
 Vert. 1" = 5' Date: Dec. 1932 Sheet 5 of 12

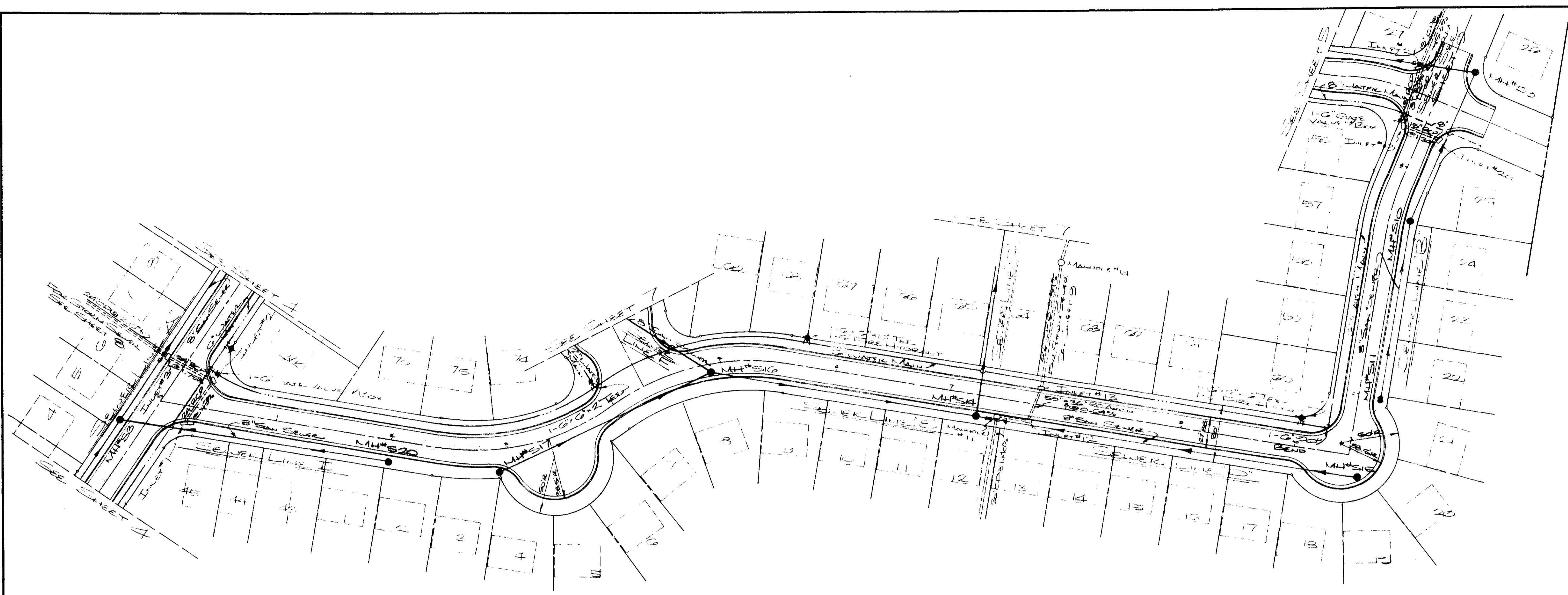
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 PROFILE  
 NOTE BOOK  
 No. \_\_\_\_\_



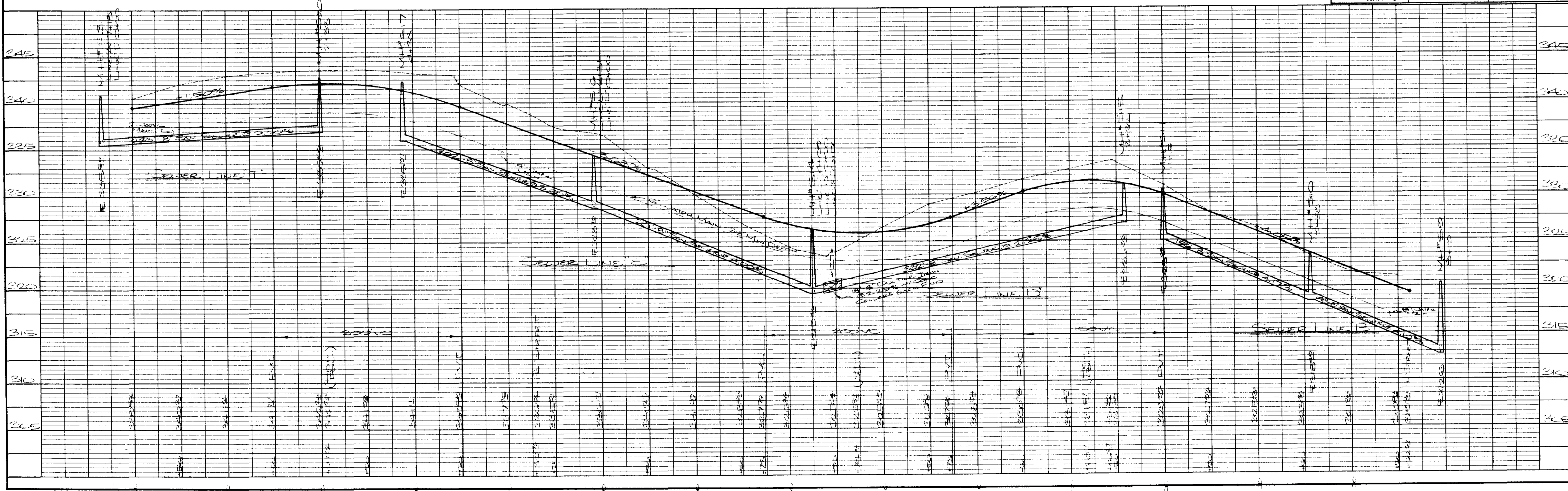


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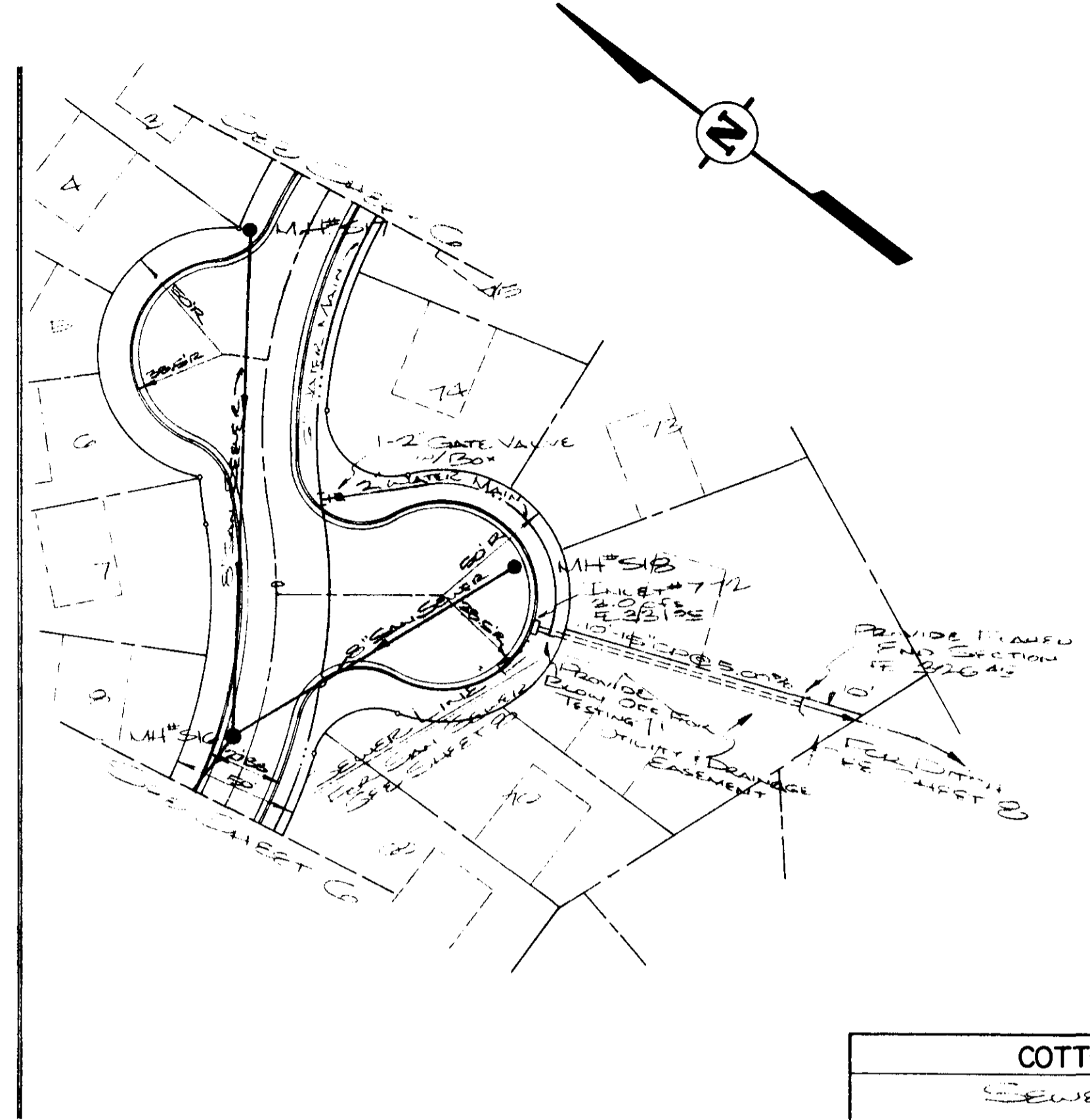
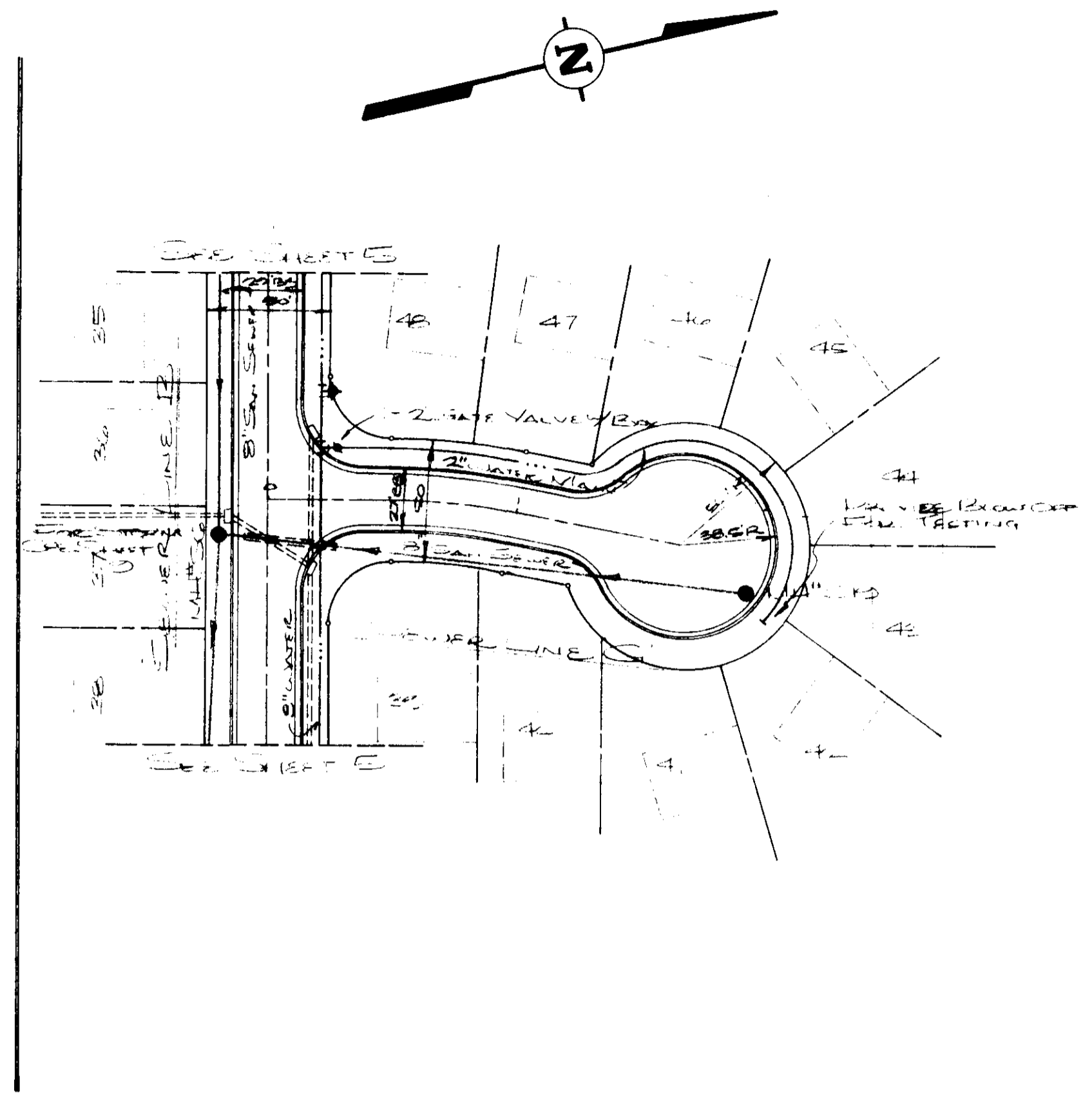
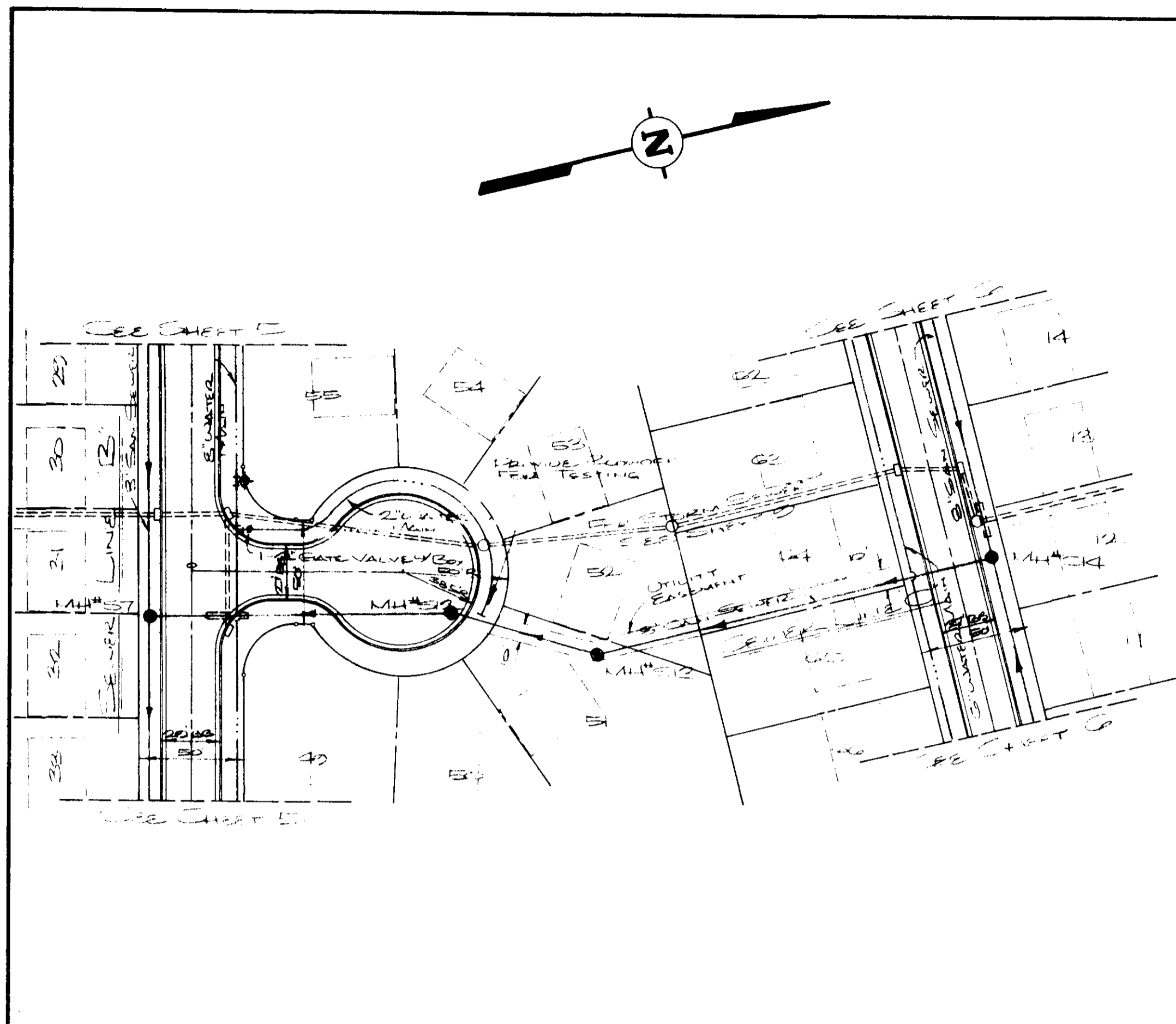


**COTTONWOOD PLACE**  
 SEWER LINES I, E  
 SEWER LINES D, B  
**CASE and ASSOCIATES, INC.**  
 Jackson, Mississippi  
 Scale: Hor. 1" = 50'  
 Vert. 1" = 5'  
 Date: Dec. 1983  
 Sheet 2 of 12



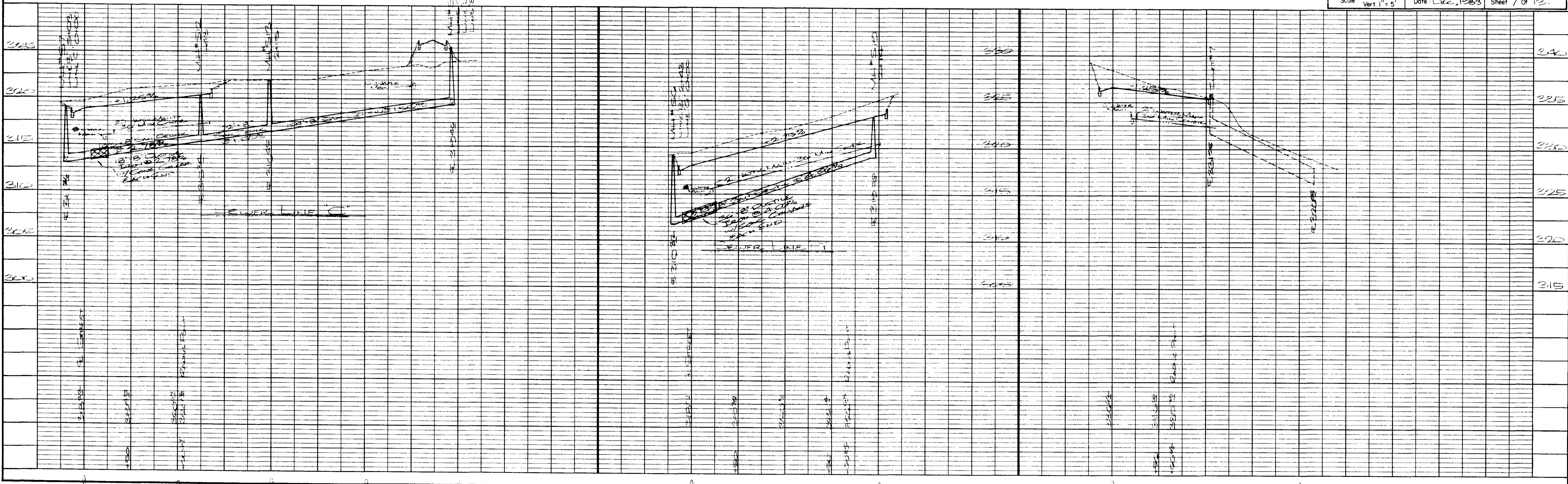


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 PLAN NOTE BOOK  
 NO. \_\_\_\_\_

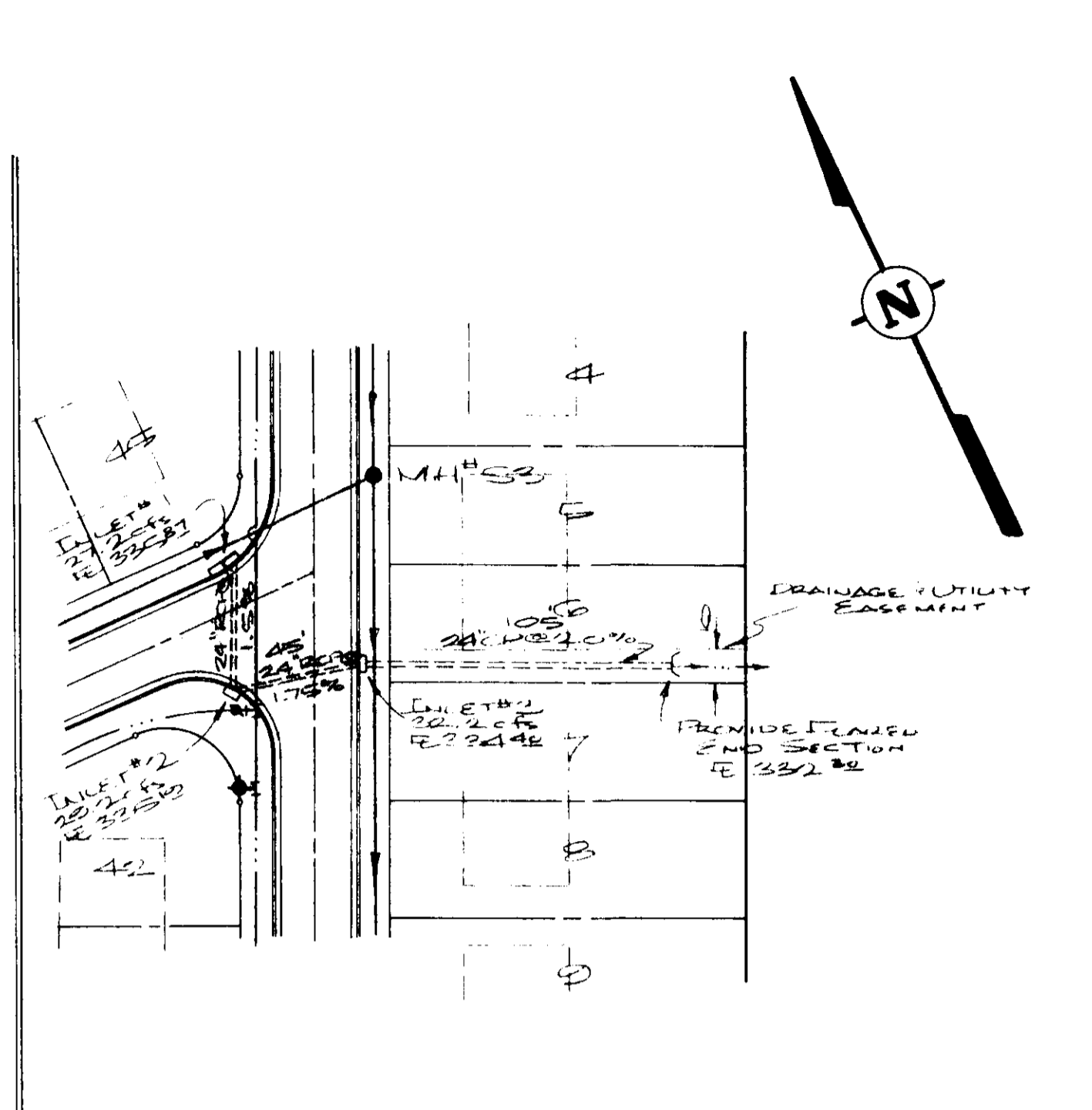
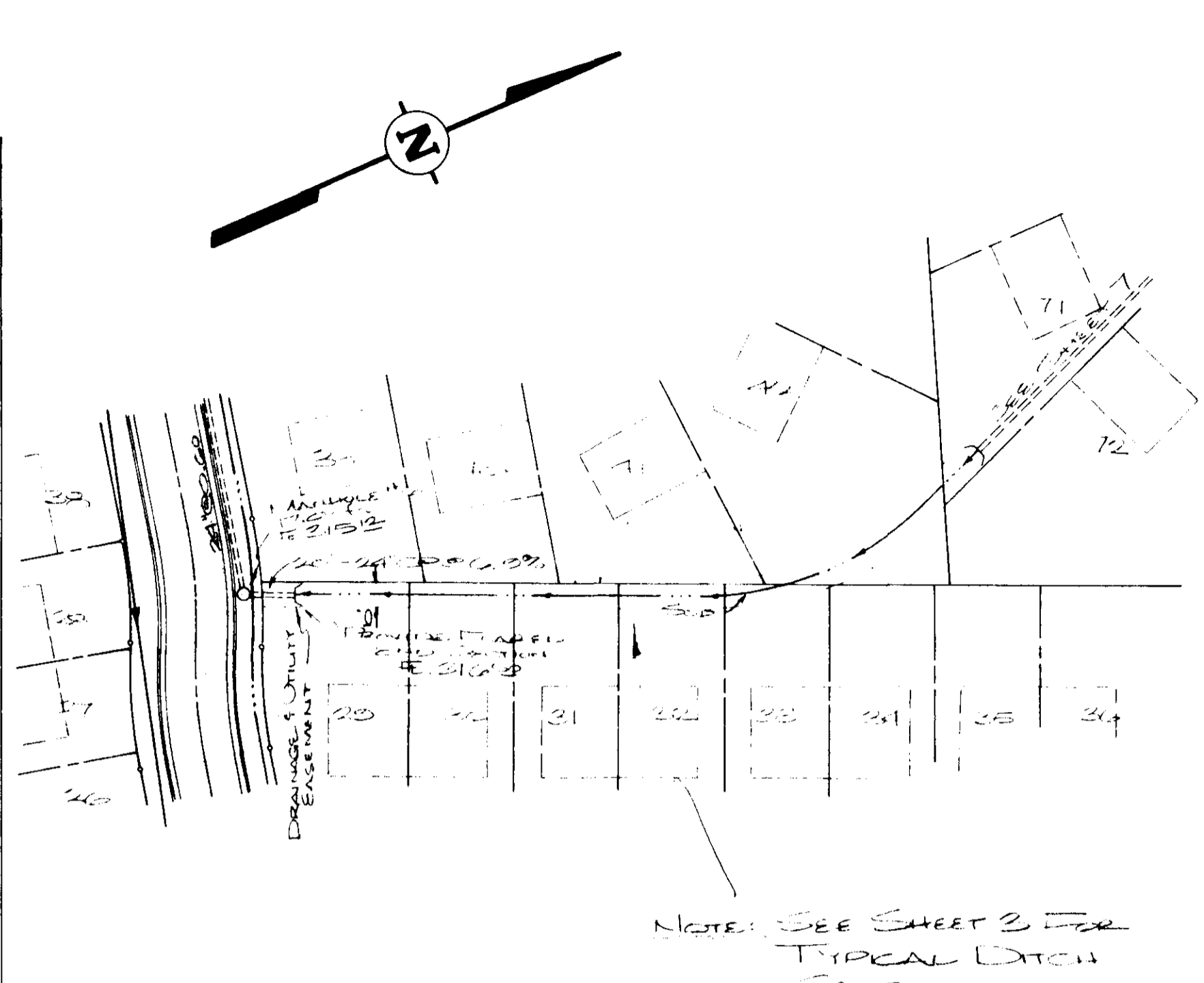
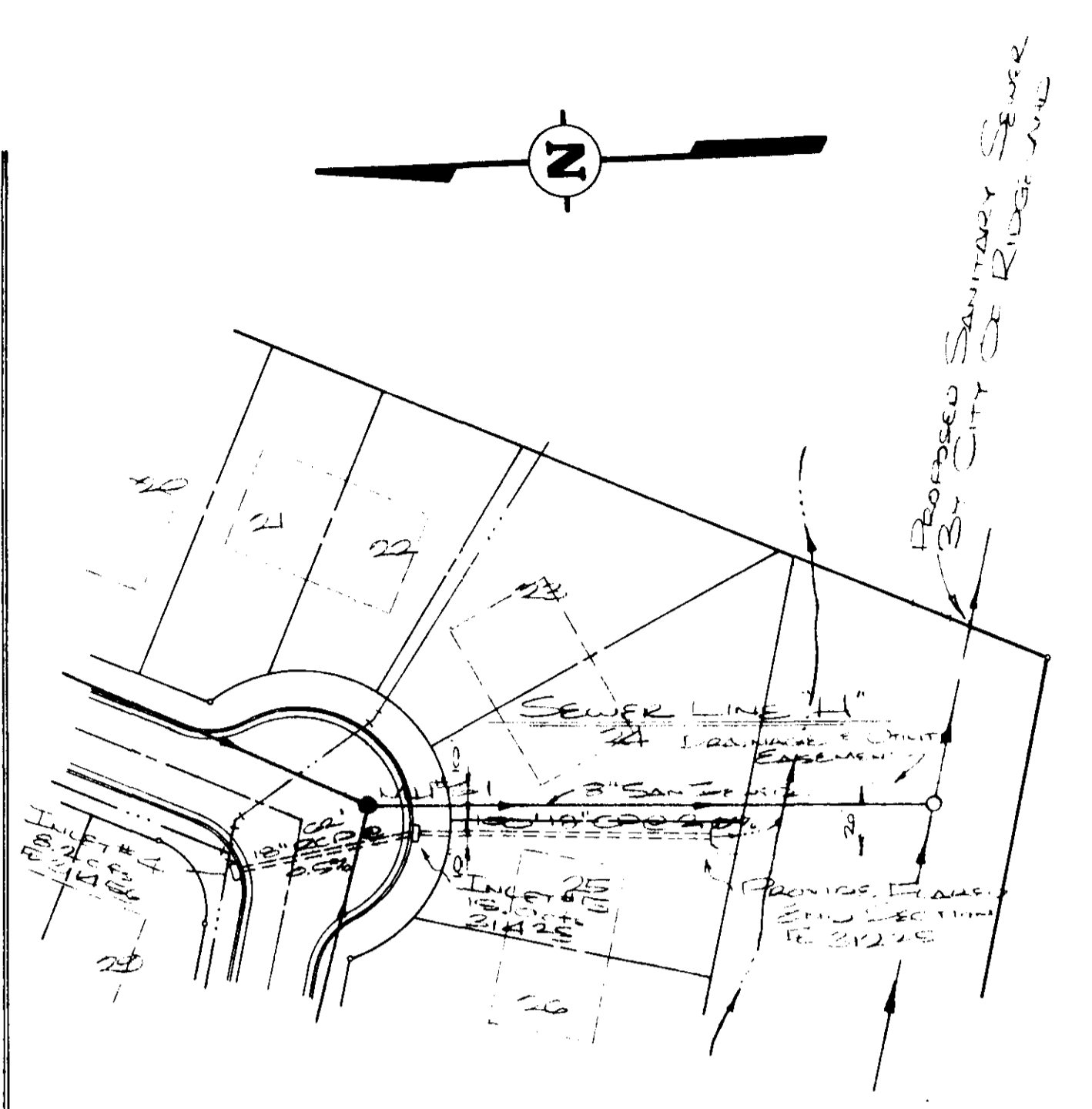
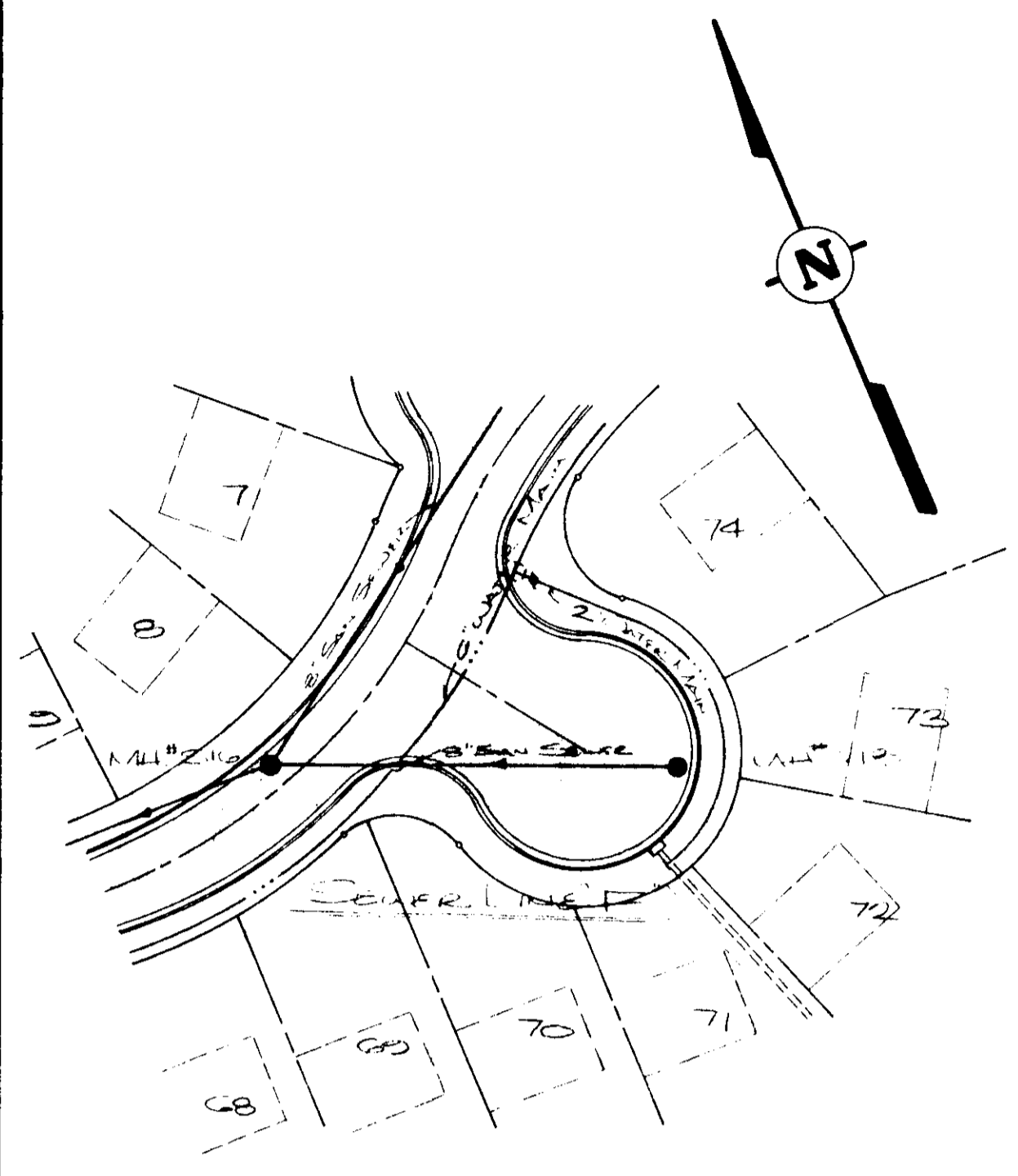


COTTONWOOD PLACE  
 SEWER LINES "C" & "G"  
 STORM SEWER  
 CASE and ASSOCIATES, INC.  
 Jackson, Mississippi  
 Scale: Hor. 1" = 50'  
 Vert. 1" = 5'  
 Date: Dec., 1953  
 Sheet 7 of 12

DATE \_\_\_\_\_ BY \_\_\_\_\_  
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 PROFILE NOTE BOOK  
 NO. \_\_\_\_\_



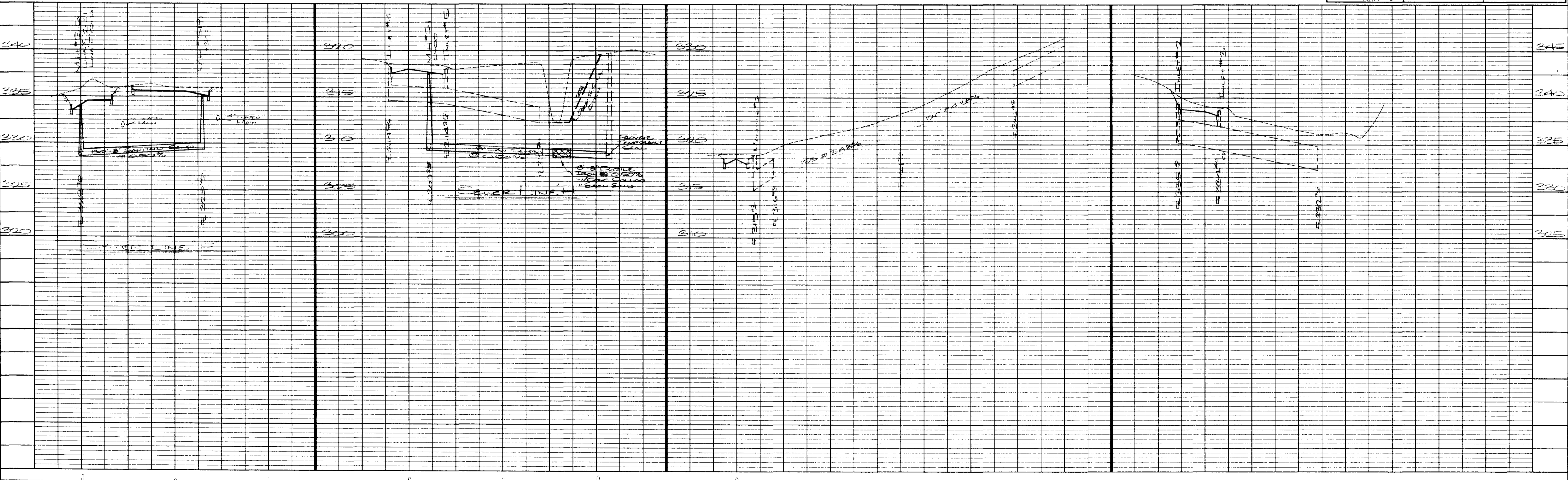
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 LOCATION \_\_\_\_\_  
 SCALE \_\_\_\_\_  
 SHEET NO. \_\_\_\_\_ OF \_\_\_\_\_



NOTE: SEE SHEET 2 FOR TYPICAL DITCH SECTION

COTTONWOOD PLACE  
 SEWER LINE F.W.H.  
 STORM SEWER  
 CASE and ASSOCIATES, INC.  
 Jackson, Mississippi  
 Scale: Hor. 1" = 50'  
 Vert. 1" = 5'  
 Date: Dec 1, 2003  
 Sheet 3 of 13

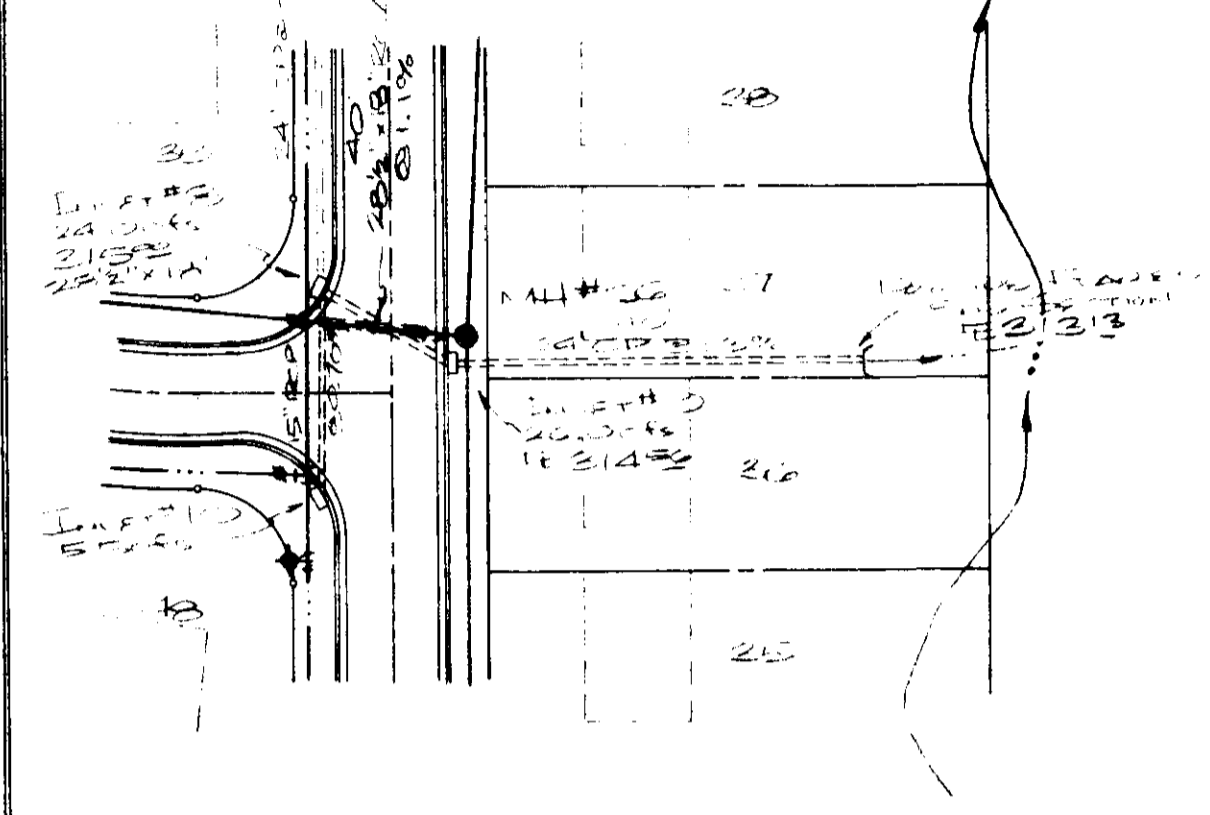
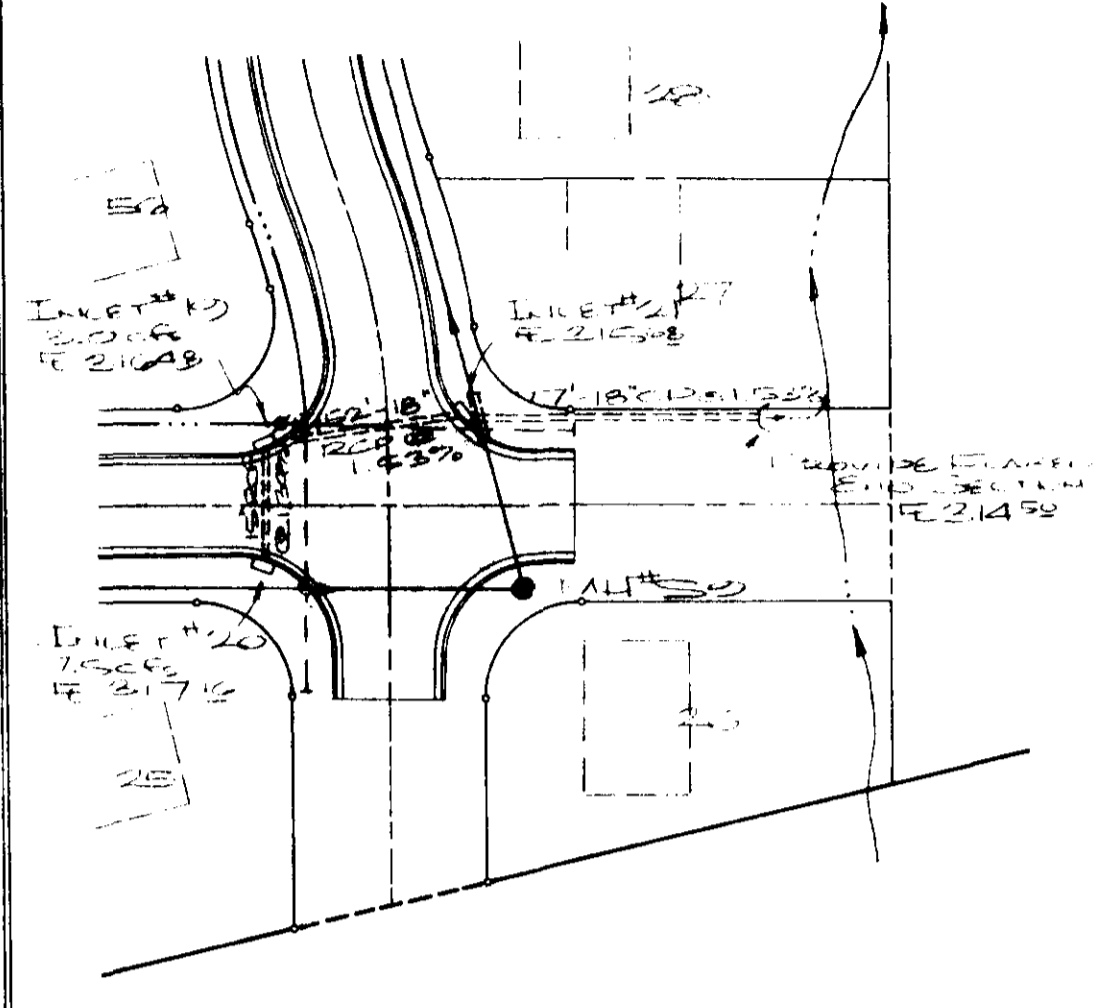
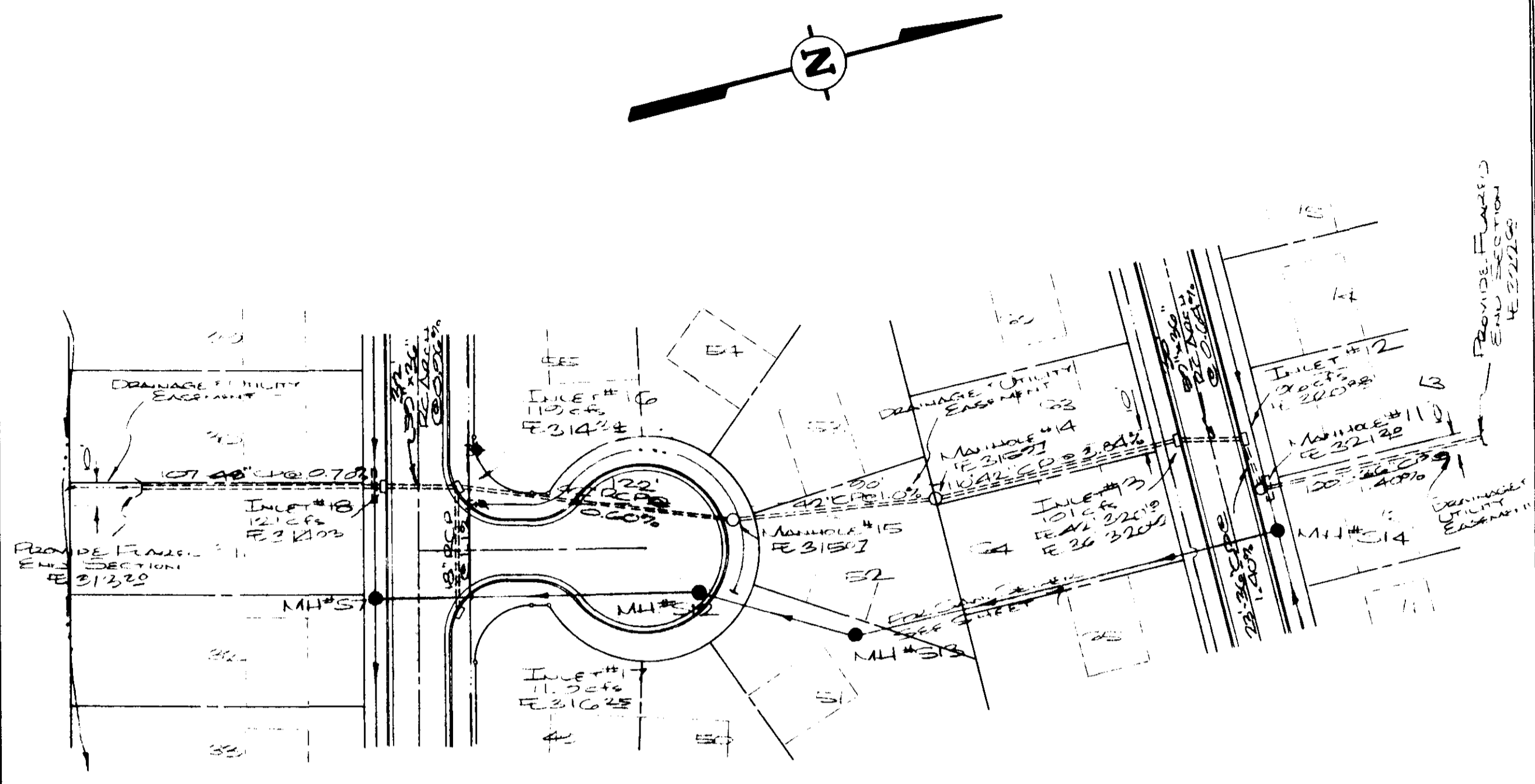
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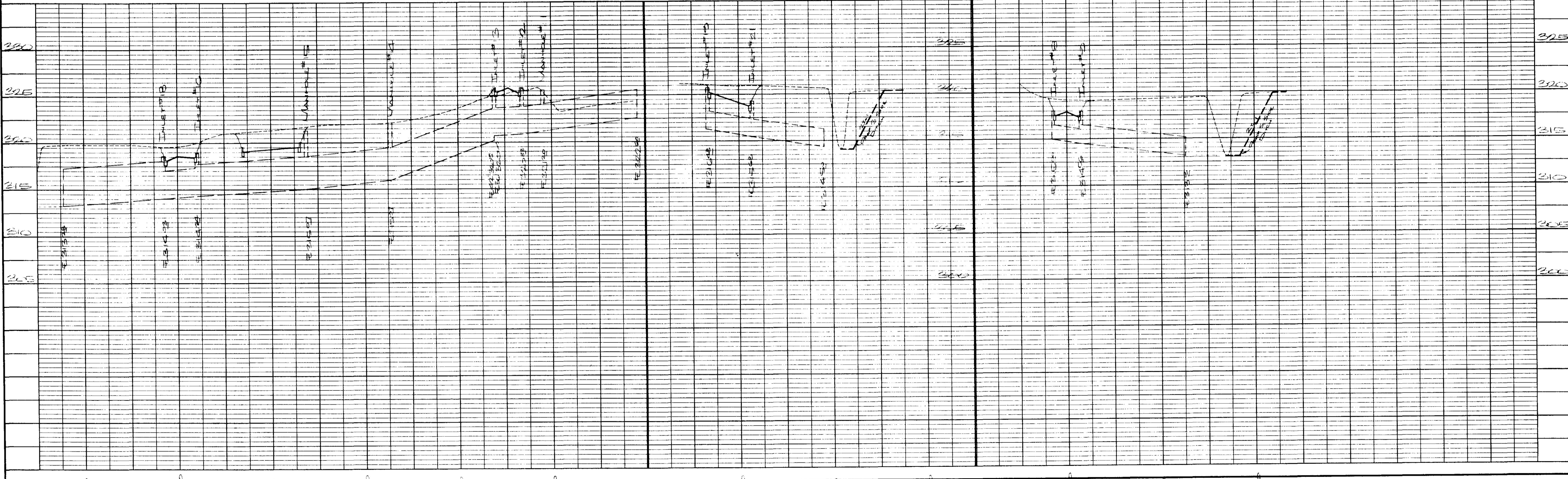
PLAN  
SUBMITTED  
NOTED  
NOTE BOOK  
ALIGNED  
NOTE BOOK  
NO.



COTTONWOOD PLACE  
STORM SEWER  
CASE and ASSOCIATES, INC.  
Jackson, Mississippi  
Scale: Hor. 1" = 50'  
Vert. 1" = 5' Date Dec. 1983 Sheet 2 of 13

DATE  
BY  
DRAWN  
CHECKED  
DATE  
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DATE  
BY

PROFILE  
SUBMITTED  
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NOTE BOOK  
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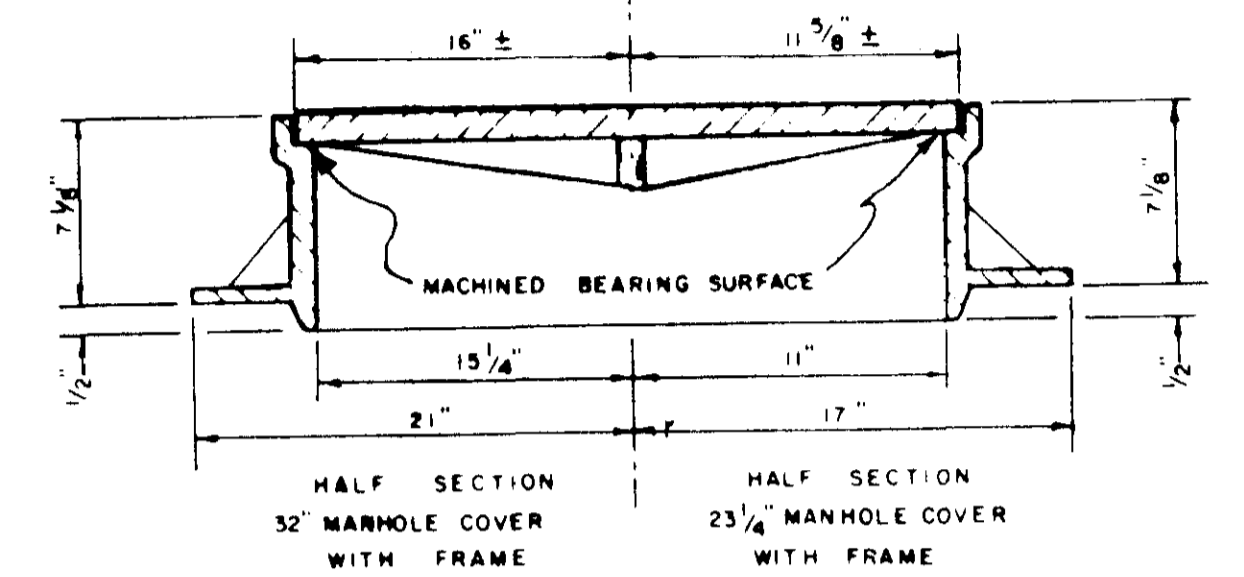
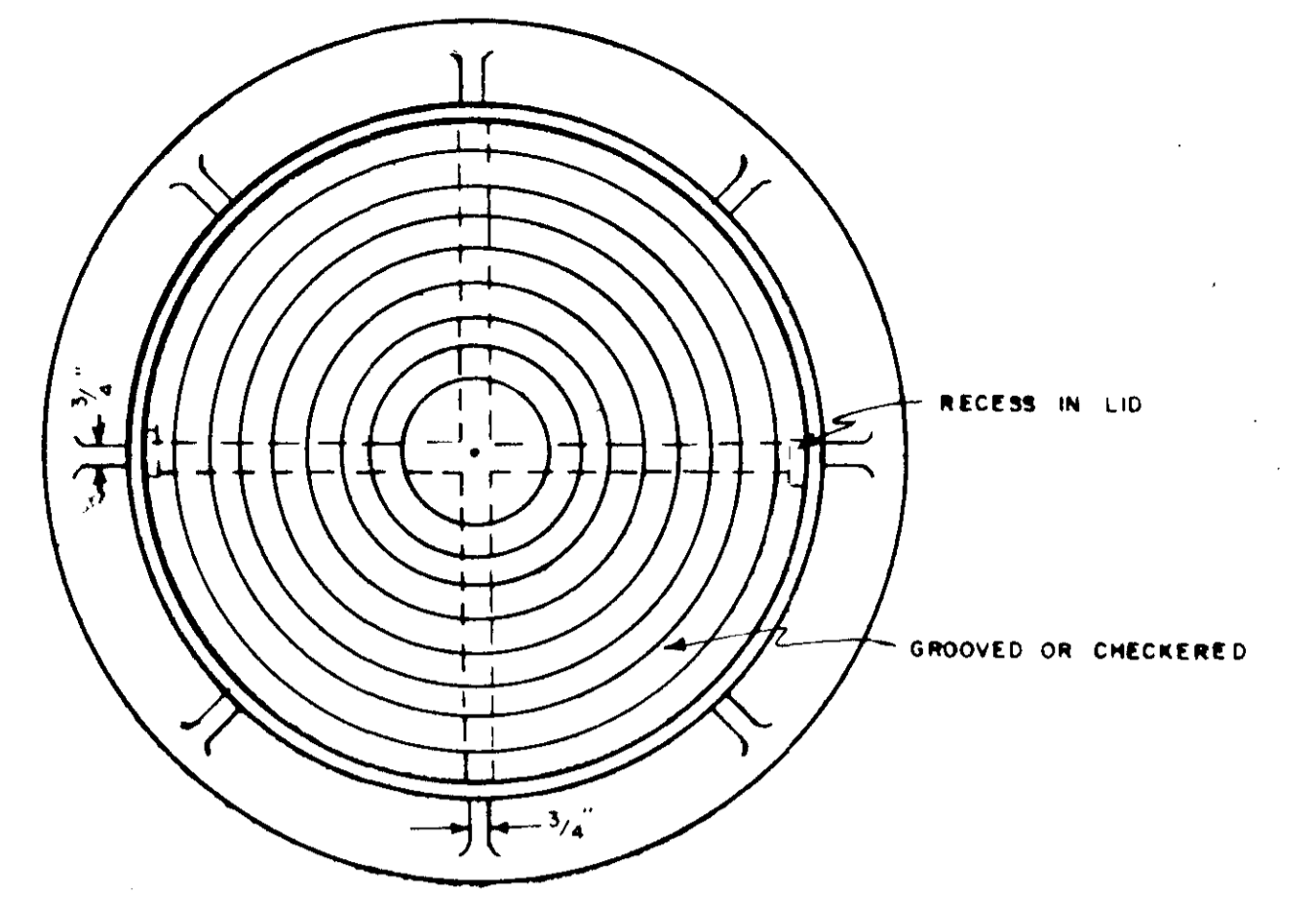
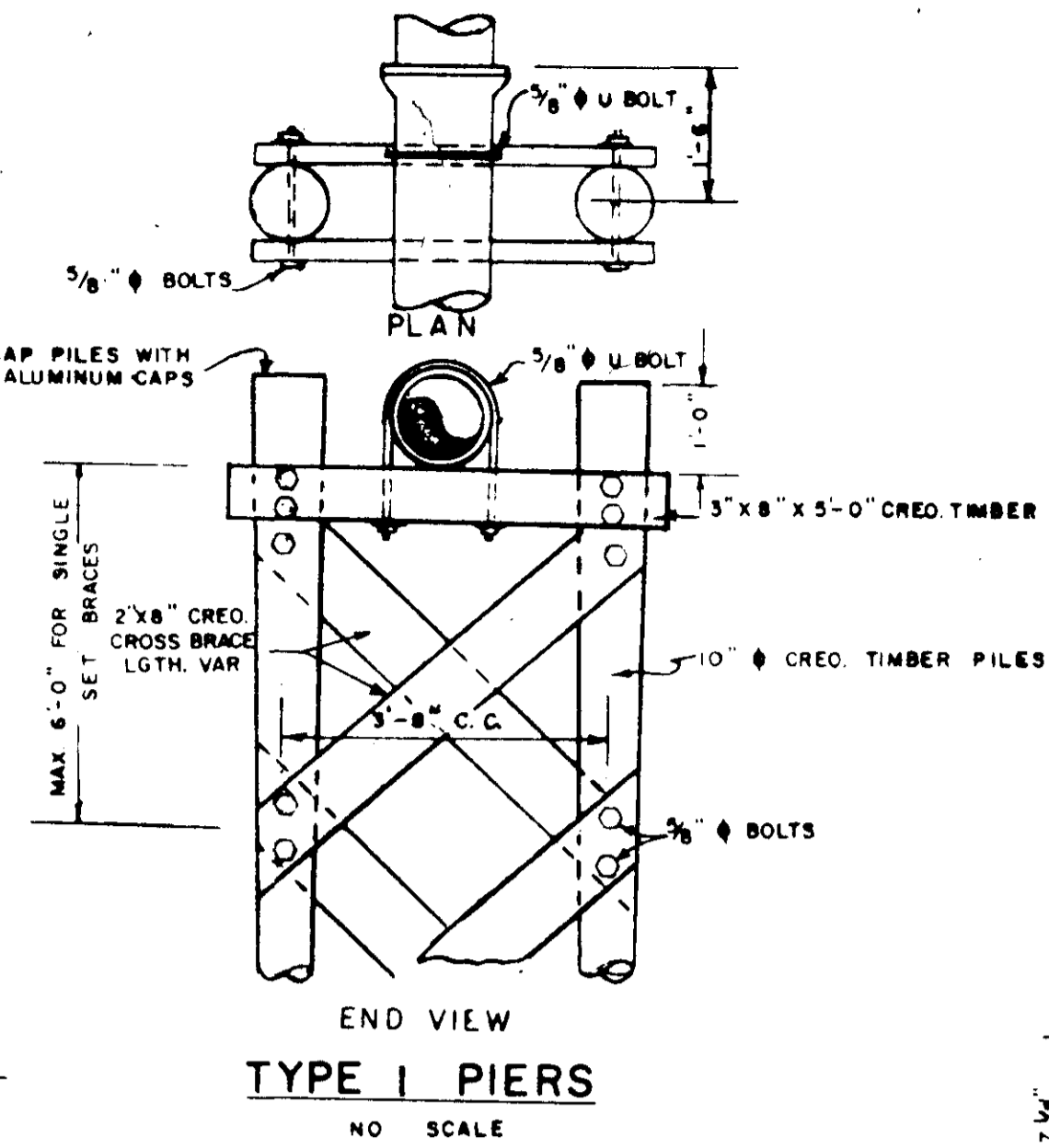
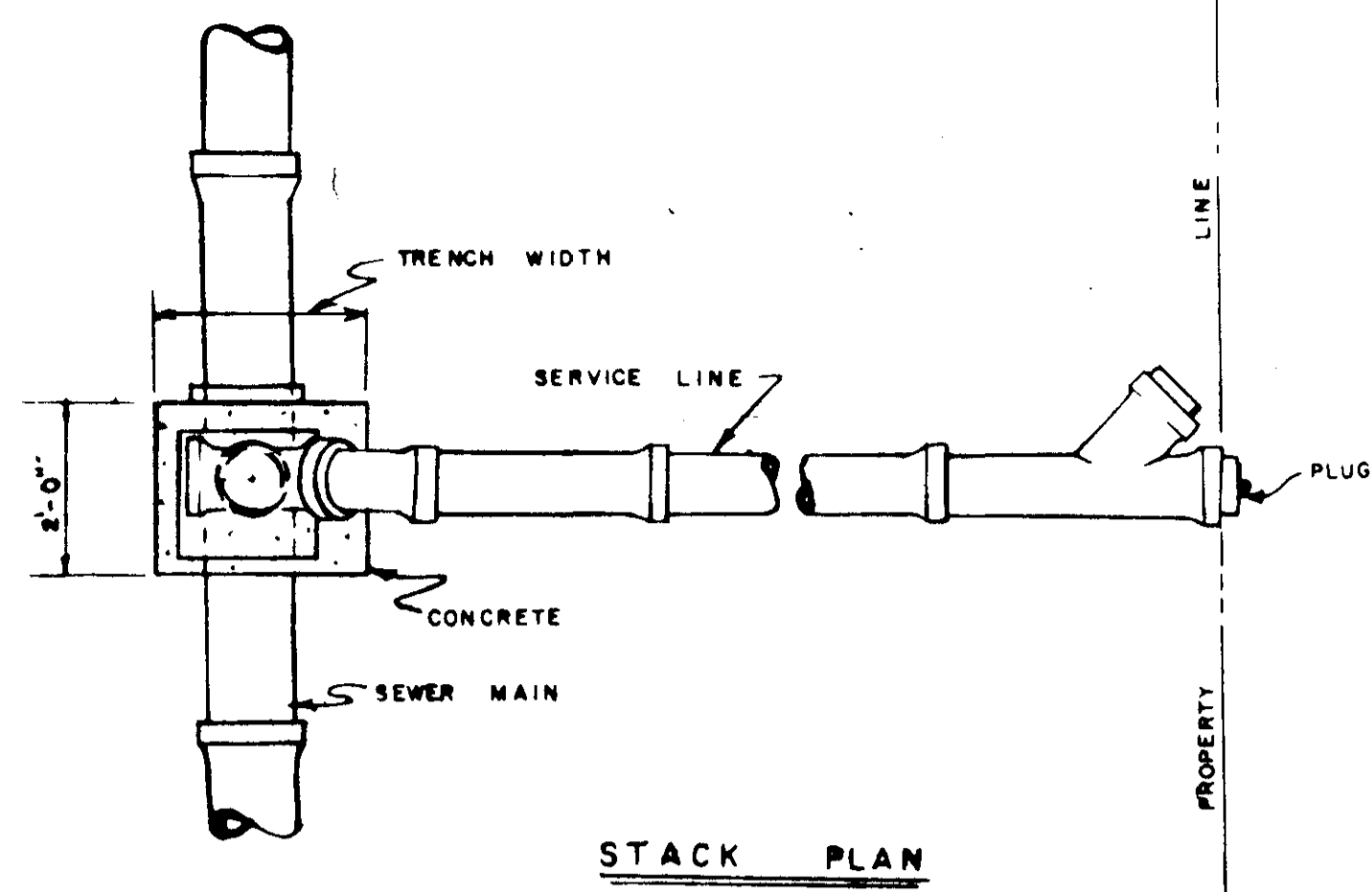
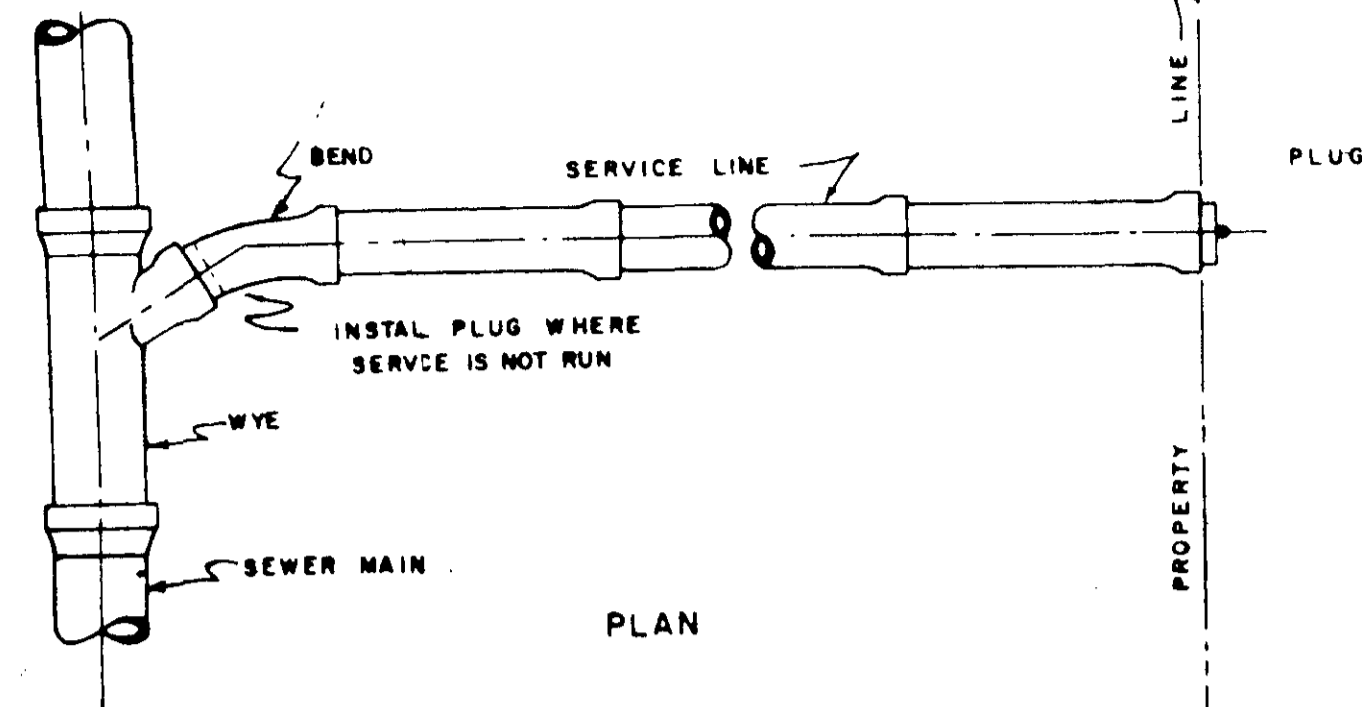






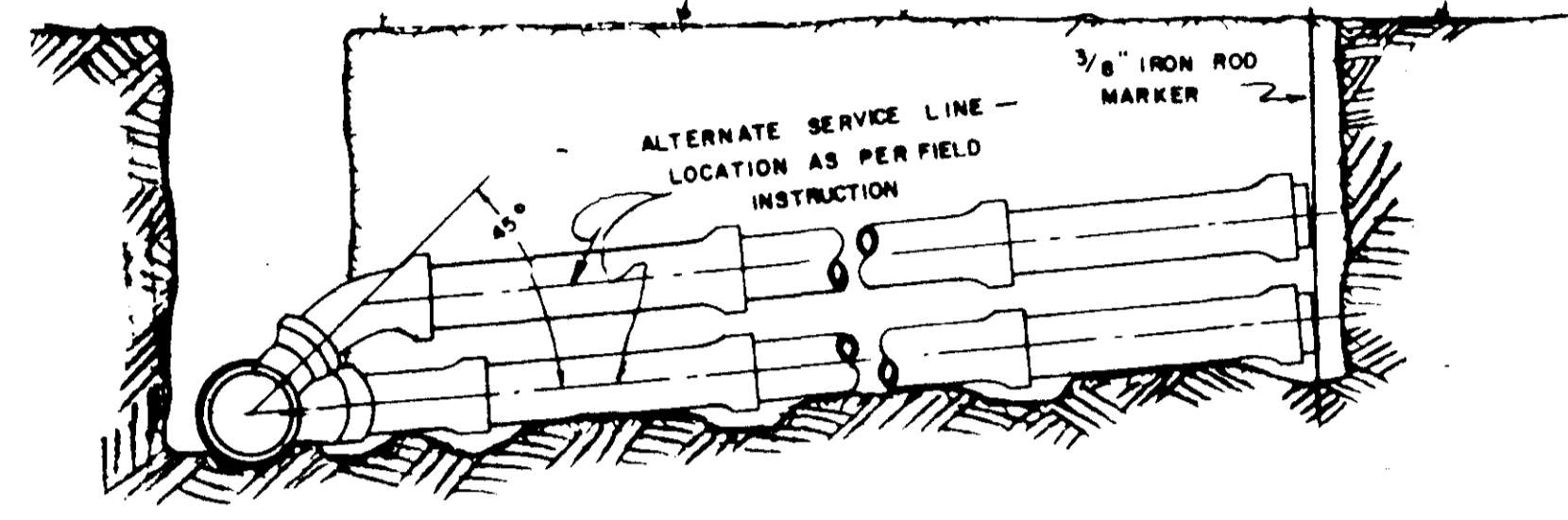




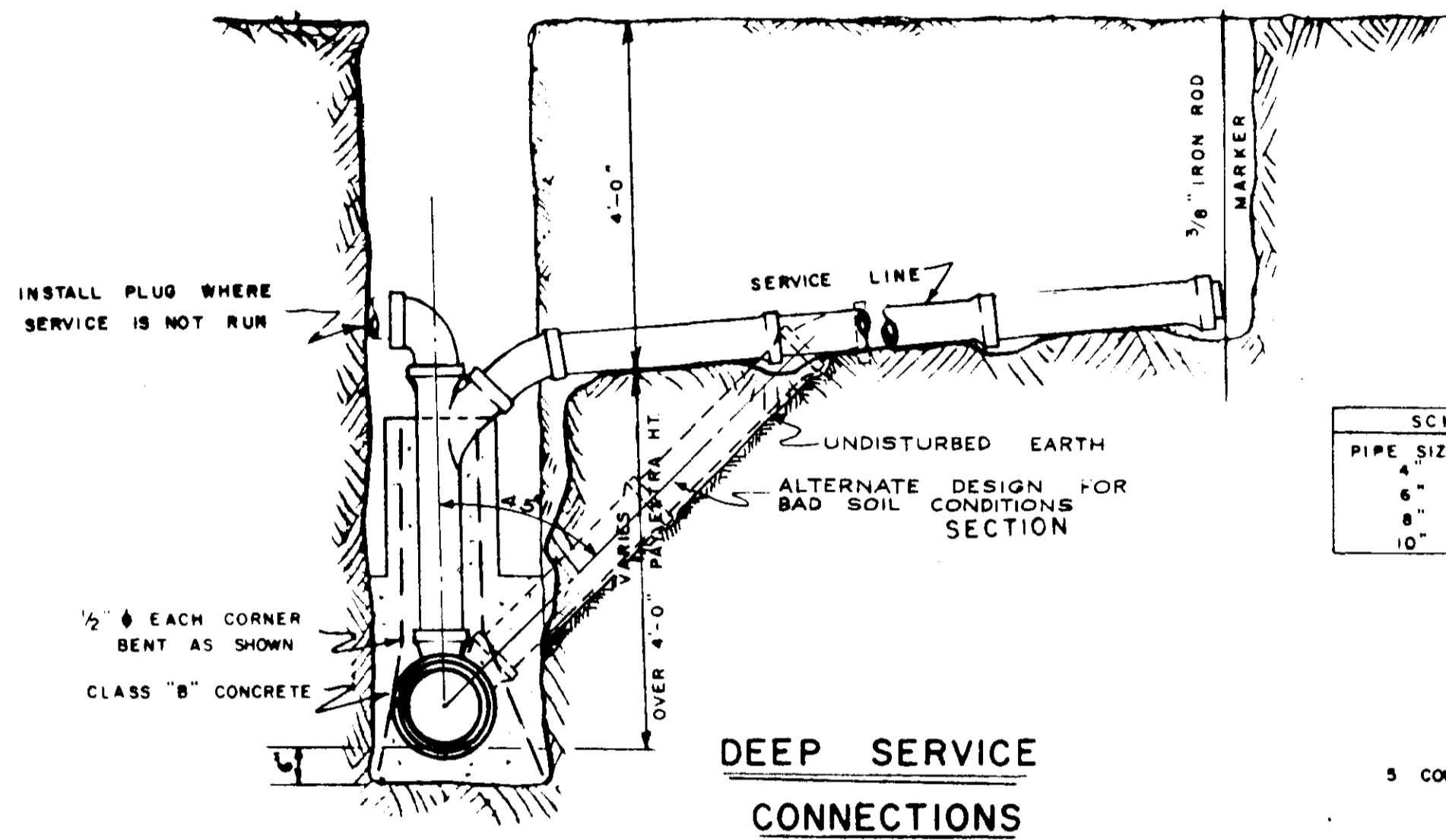


STANDARD MANHOLE FRAME & COVER

- NOTE: 1. 23 1/4" M.H. FRAME AND COVER SHALL WEIGH NOT LESS THAN 360 LBS.  
 2. 32" M.H. FRAME AND COVER SHALL WEIGH NOT LESS THAN 750 LBS.  
 3. MATERIAL: CAST IRON A.S.T.M. A-48, CLASS #20

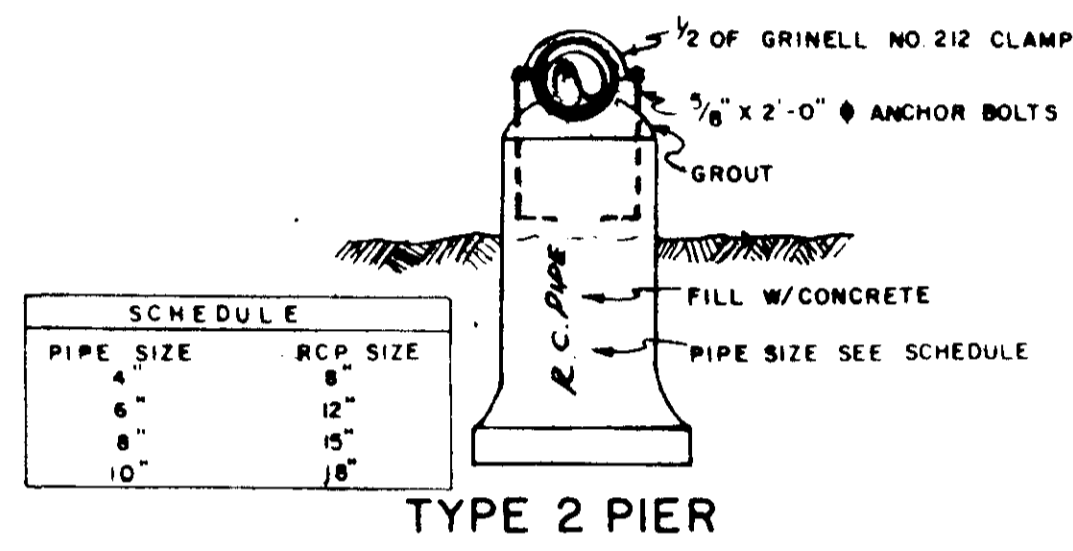


SHALLOW SERVICES CONNECTIONS



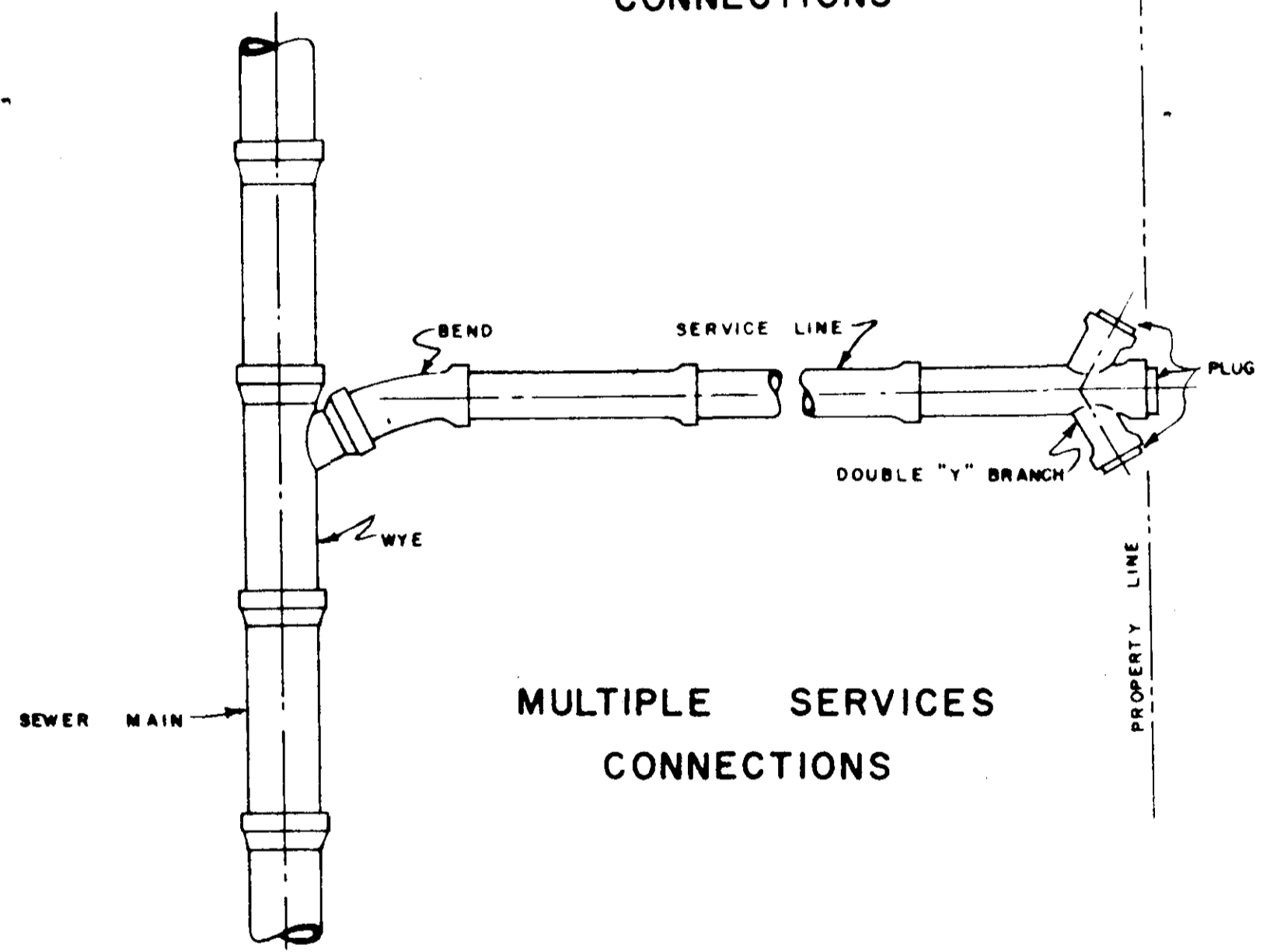
DEEP SERVICE CONNECTIONS

NOTE APPLIES TO CUTS OVER 8'-0"

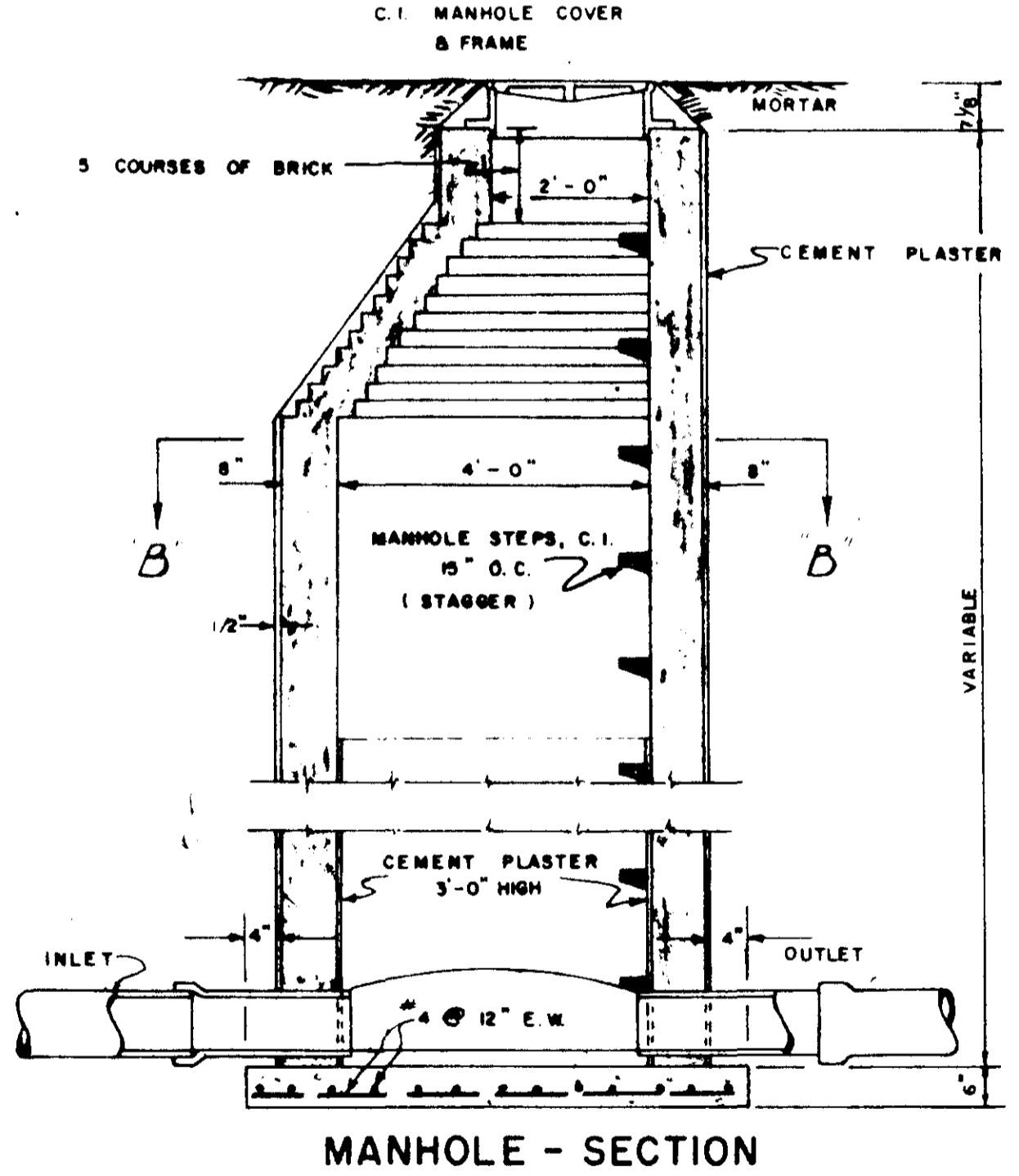


PIPE SIZE	RCP SIZE
4"	6"
6"	12"
8"	15"
10"	18"

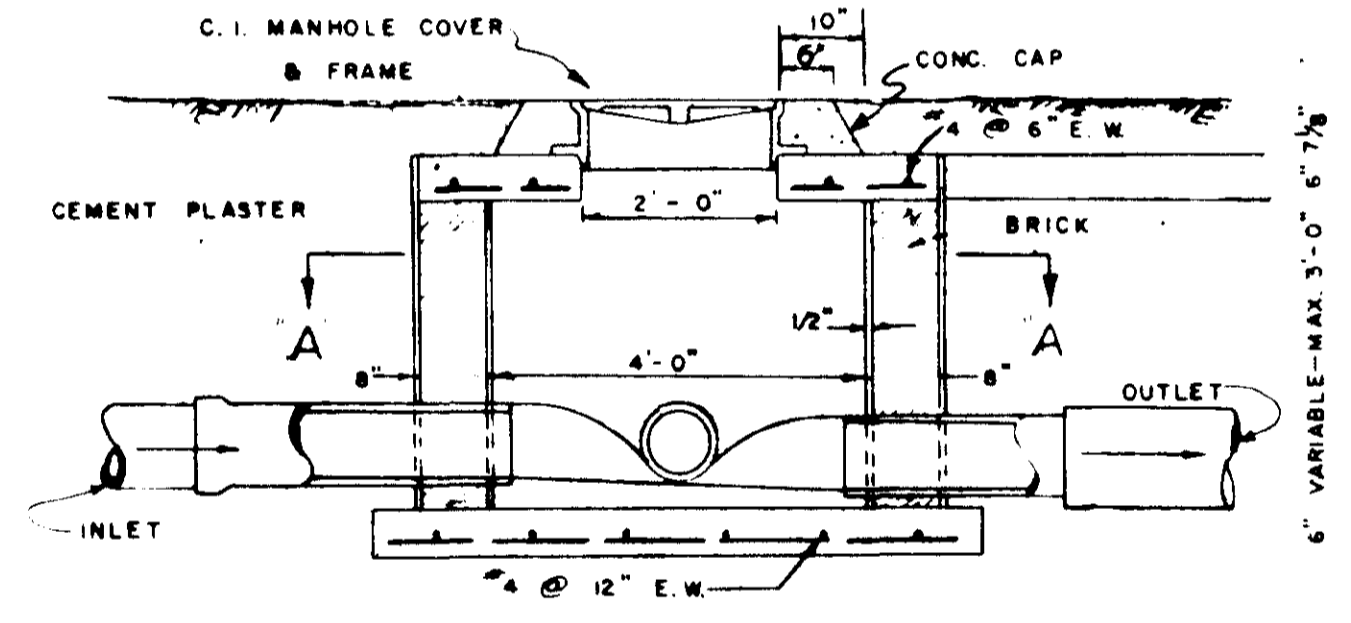
TYPE 2 PIER



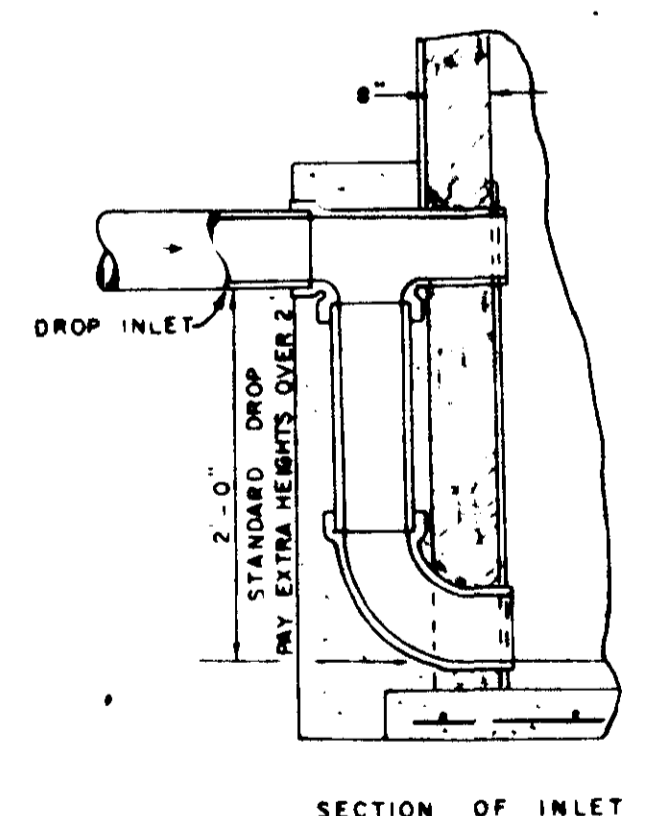
MULTIPLE SERVICES CONNECTIONS



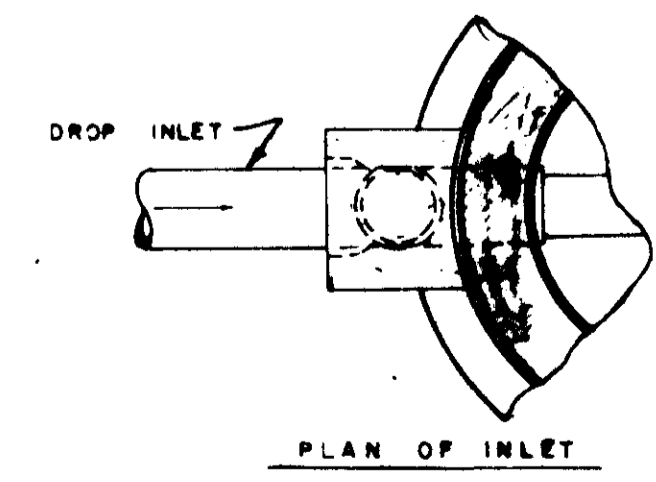
MANHOLE - SECTION



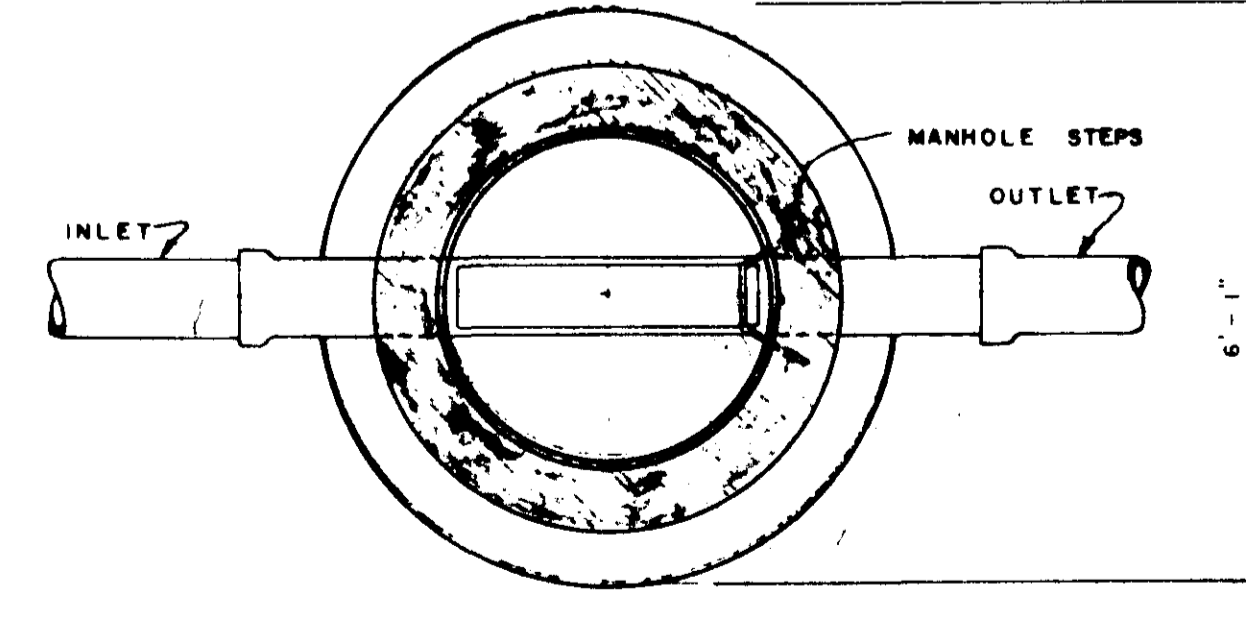
SHALLOW MANHOLE - SECTION



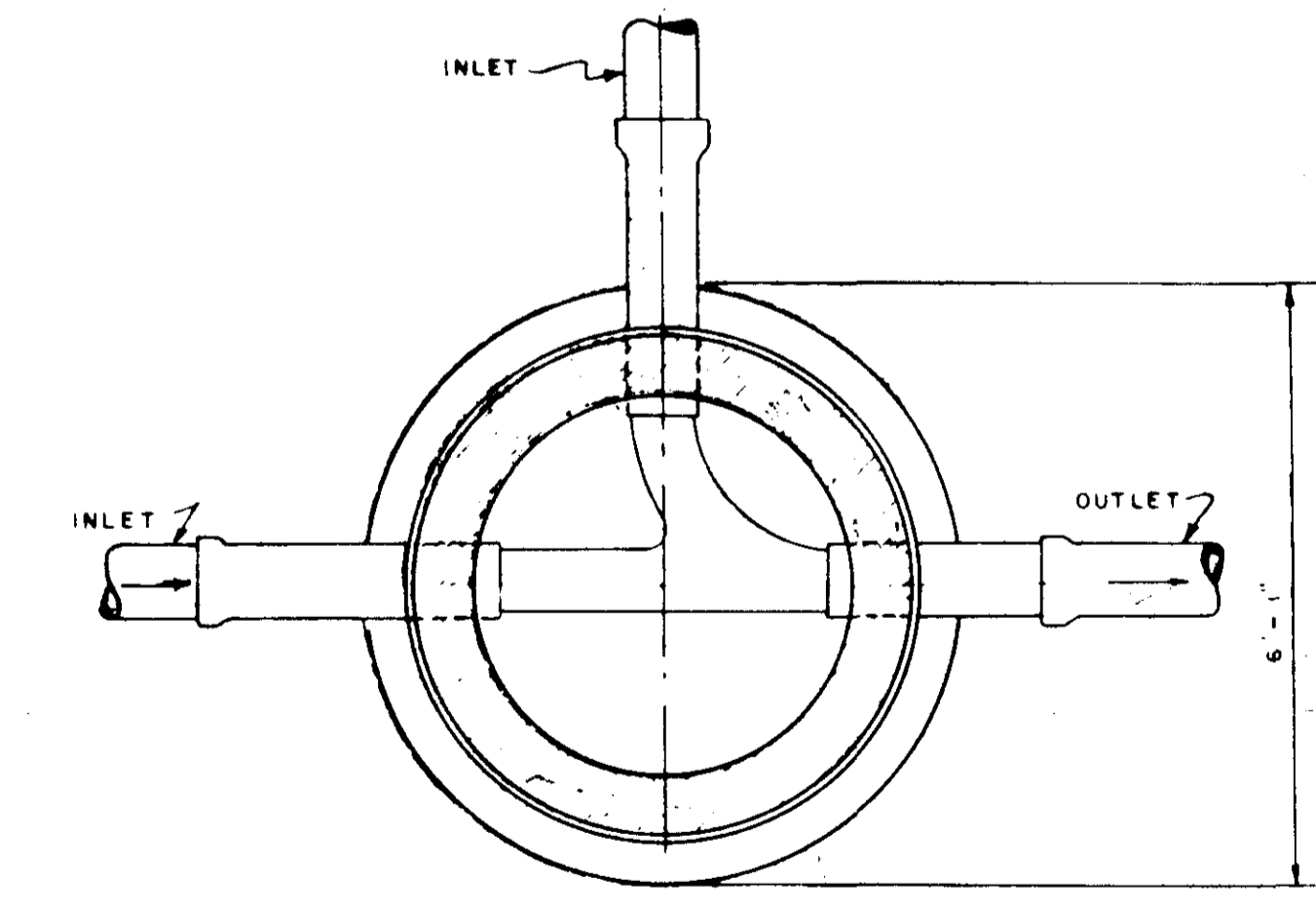
SECTION OF INLET MANHOLE DROP



PLAN OF INLET MANHOLE DROP



SECTION B-B



SECTION A-A

TYPE	QUANTITY CY/FT.	TYPE	QUANTITY CY/FT.	TYPE	QUANTITY CY/FT.
TYPICAL TRENCH	6" - 0.080	CONCRETE CRADLE	6" - 0.030	SHELL SUBGRADE	6" - 0.060
	8" - 0.088		8" - 0.034		8" - 0.068
	10" - 0.078		10" - 0.038		10" - 0.076
	12" - 0.082		12" - 0.041		12" - 0.082
	14" - 0.088		14" - 0.045		14" - 0.090
	16" - 0.092		16" - 0.049		16" - 0.096
	18" - 0.100		18" - 0.053		18" - 0.104
	20" - 0.108		20" - 0.057		20" - 0.112
	22" - 0.116		22" - 0.061		22" - 0.120
	24" - 0.124		24" - 0.065		24" - 0.128
			24" - 0.069		24" - 0.136

Standard Detail

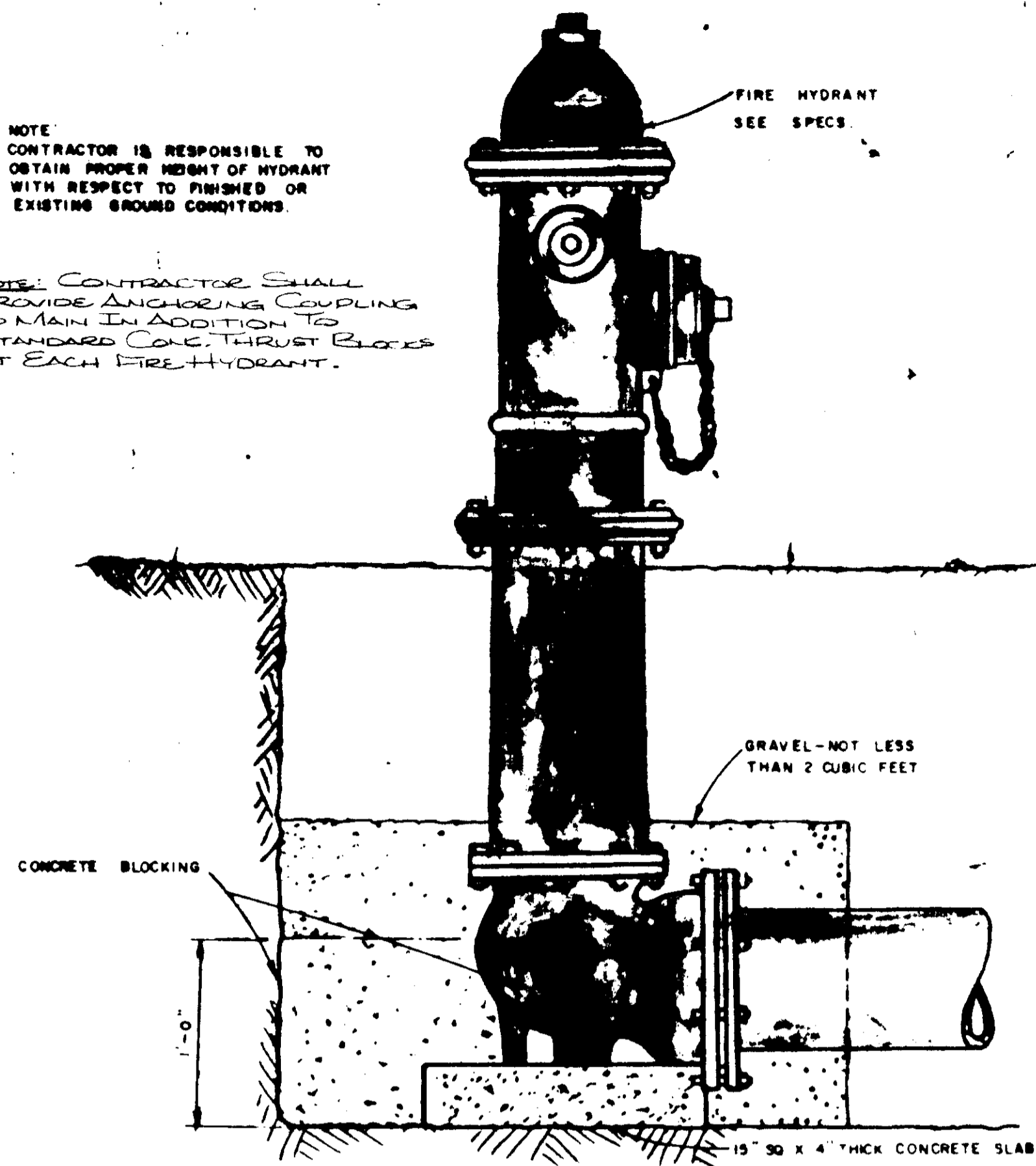
CONTINENTAL CONSULTANTS, INC.  
 Jackson, Mississippi

CASE and ASSOCIATES, INC.  
 Jackson, Mississippi

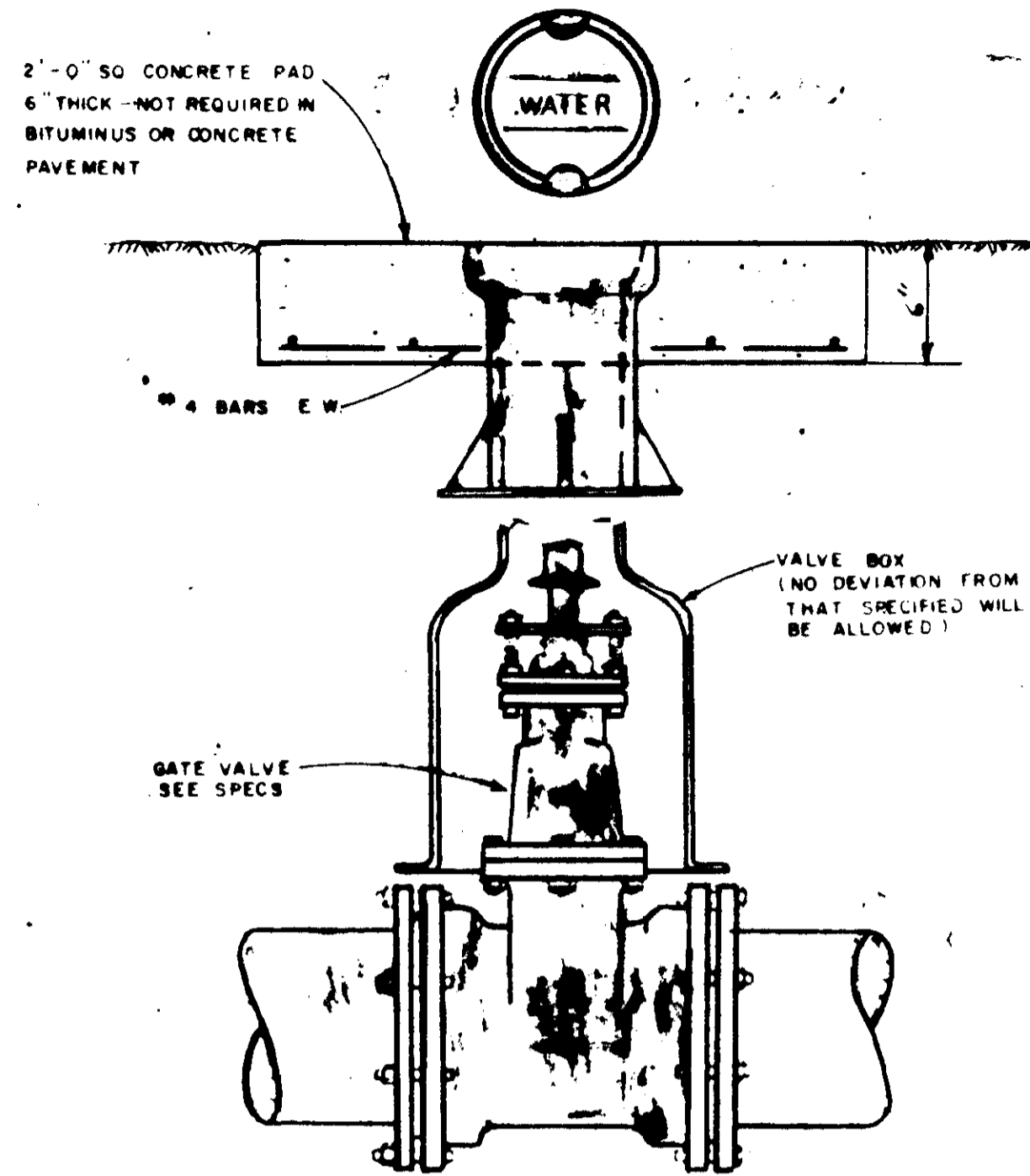
SCALE: 1" = 100' DATE: 1/1/60 SHEET 10 OF 12

NOTE: CONTRACTOR IS RESPONSIBLE TO OBTAIN PROPER HEIGHT OF HYDRANT WITH RESPECT TO FINISHED OR EXISTING GROUND CONDITIONS.

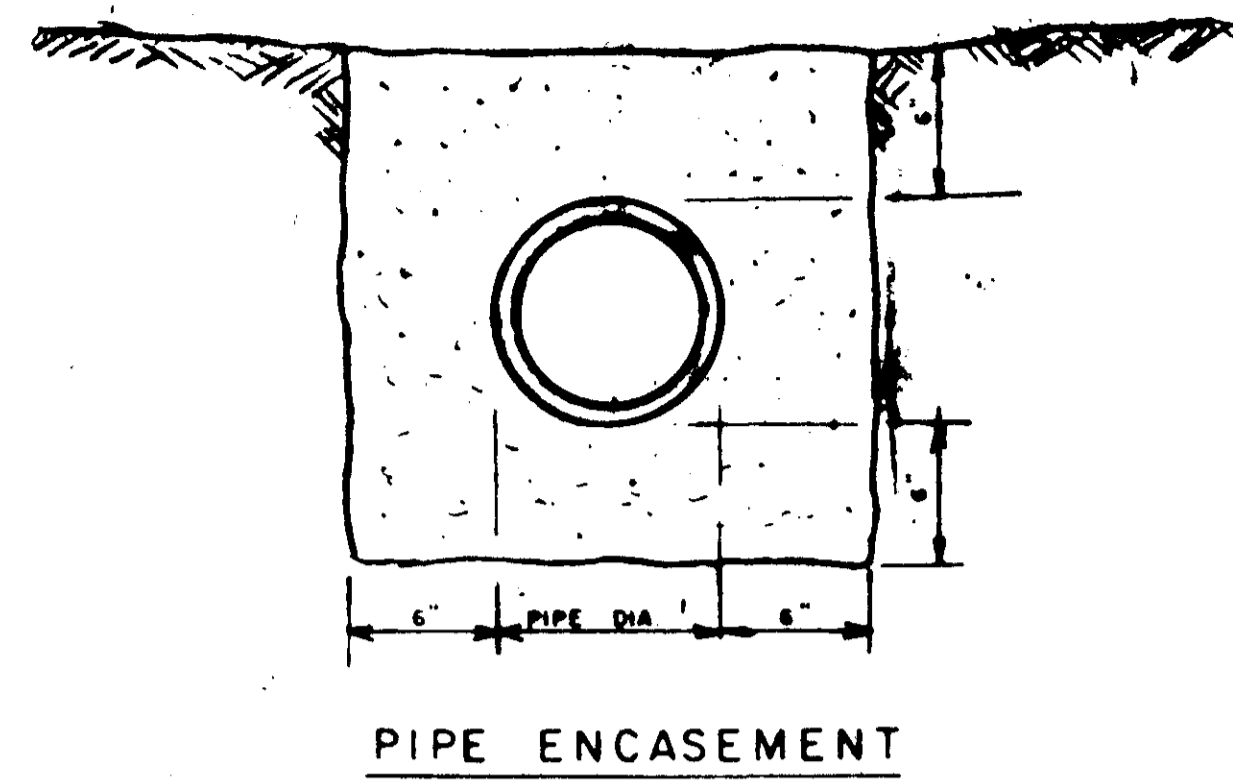
NOTE: CONTRACTOR SHALL PROVIDE ANCHORING COUPLING TO MAIN IN ADDITION TO STANDARD CONC. THROST BLOCS AT EACH FIRE HYDRANT.



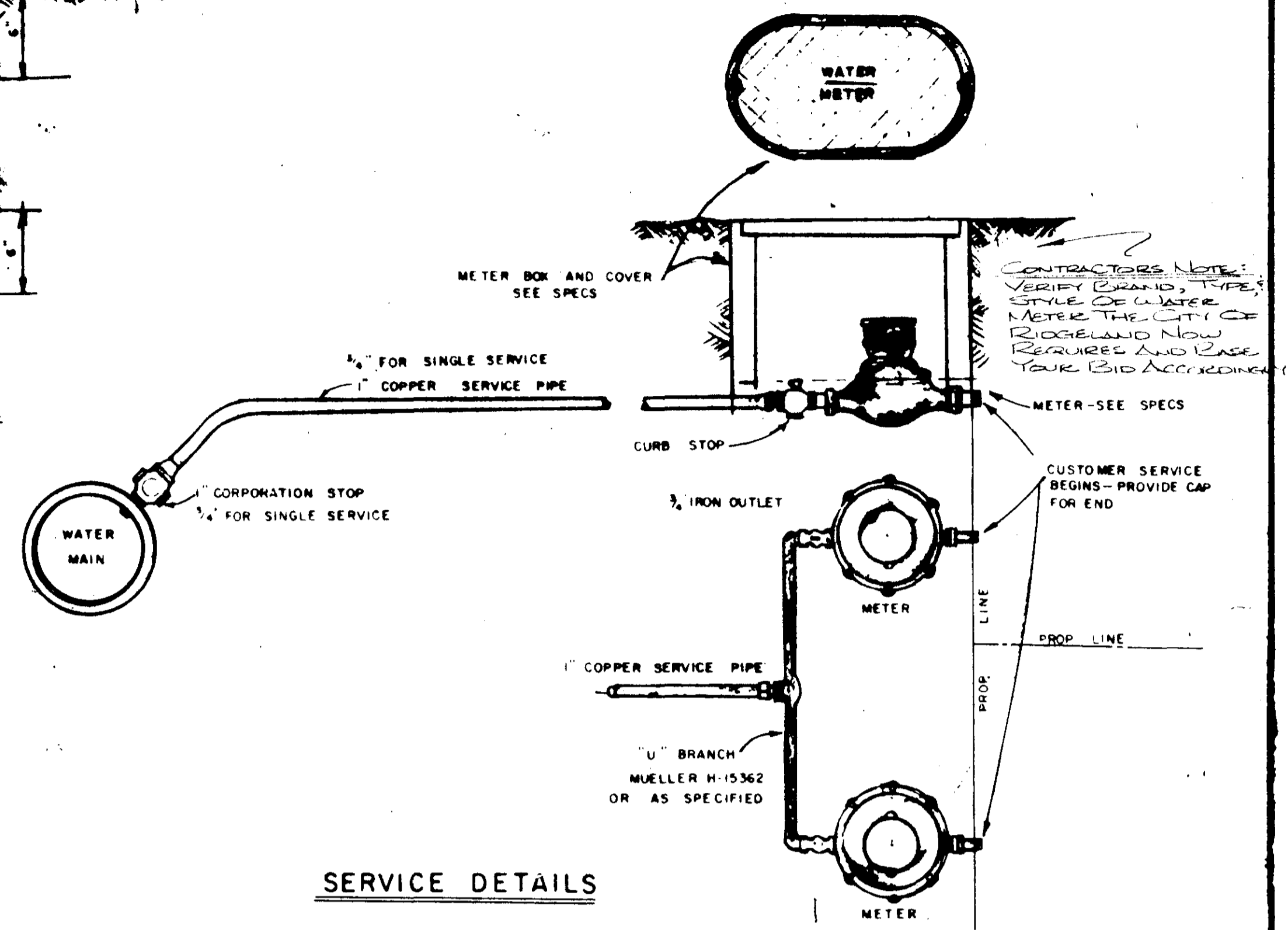
FIRE HYDRANT DETAIL



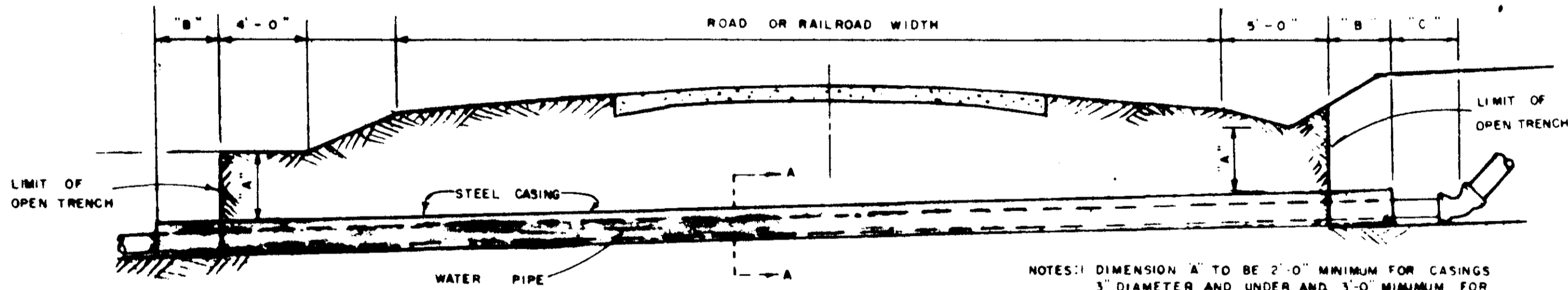
VALVE & BOX DETAIL



PIPE ENCASEMENT

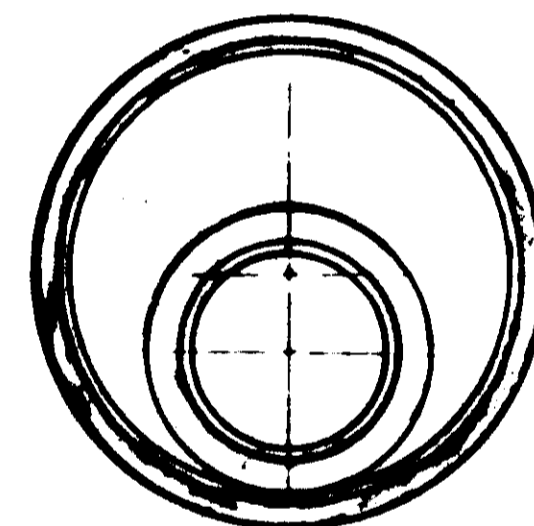


SERVICE DETAILS



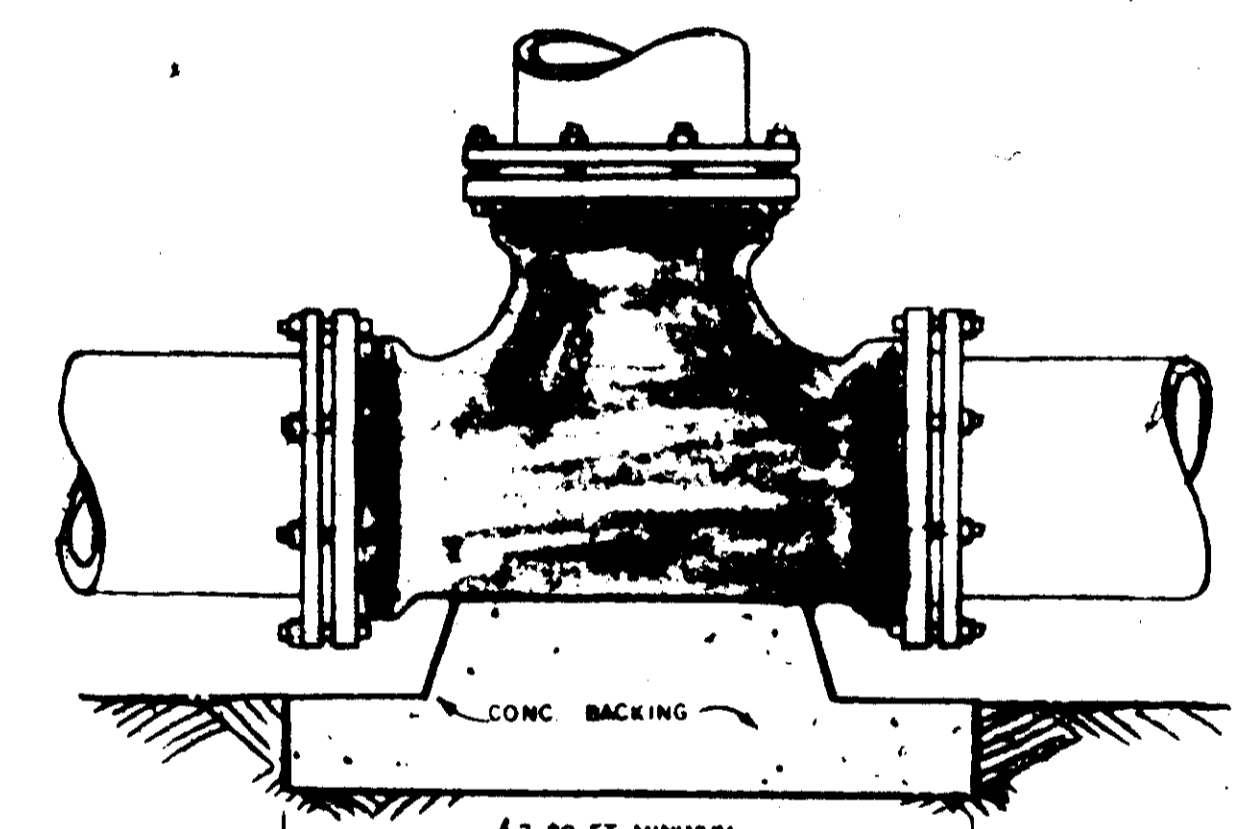
CROSSING DETAIL

NOTES: 1. DIMENSION 'A' TO BE 2'-0" MINIMUM FOR CASINGS 3" DIAMETER AND UNDER AND 3'-0" MINIMUM FOR CASINGS OVER 3". DIMENSIONS 'B' AND 'C' TO BE 2'-0" MINIMUM FOR LINES 3" DIAMETER AND UNDER AND 4'-0" MINIMUM FOR LINES OVER 3".  
 2. ENCASEMENTS TO BE INSTALLED UNDER THE ROAD BY MEANS OF JACKING THROUGH OR BY DRY-BORING A HOLE THAT WILL RECEIVE THE CASING WITH SMOOTH FIT.  
 3. CORRUGATED METAL OR STEEL CASING PIPE OPTIONAL FOR RAILROAD CROSSINGS HIGHWAY CROSSINGS - STEEL PIPE ONLY.  
 4. 'B' DIMENSION WILL BE PAID FOR AS CIR IN CASING BORED OR JACKED CASING TO BE PAID FOR TO LIMIT OF OPEN TRENCH ONLY.  
 5. WHERE THERE IS CONFLICT WITH THE PLANS AND HIGHWAY AND RAILROAD CROSSING PERMITS THE APPROVED PERMITS WILL GOVERN.



SECTION A-A

18" API SCHEDULE 10 STEEL PIPE ENCASEMENT FOR 10" PIPE

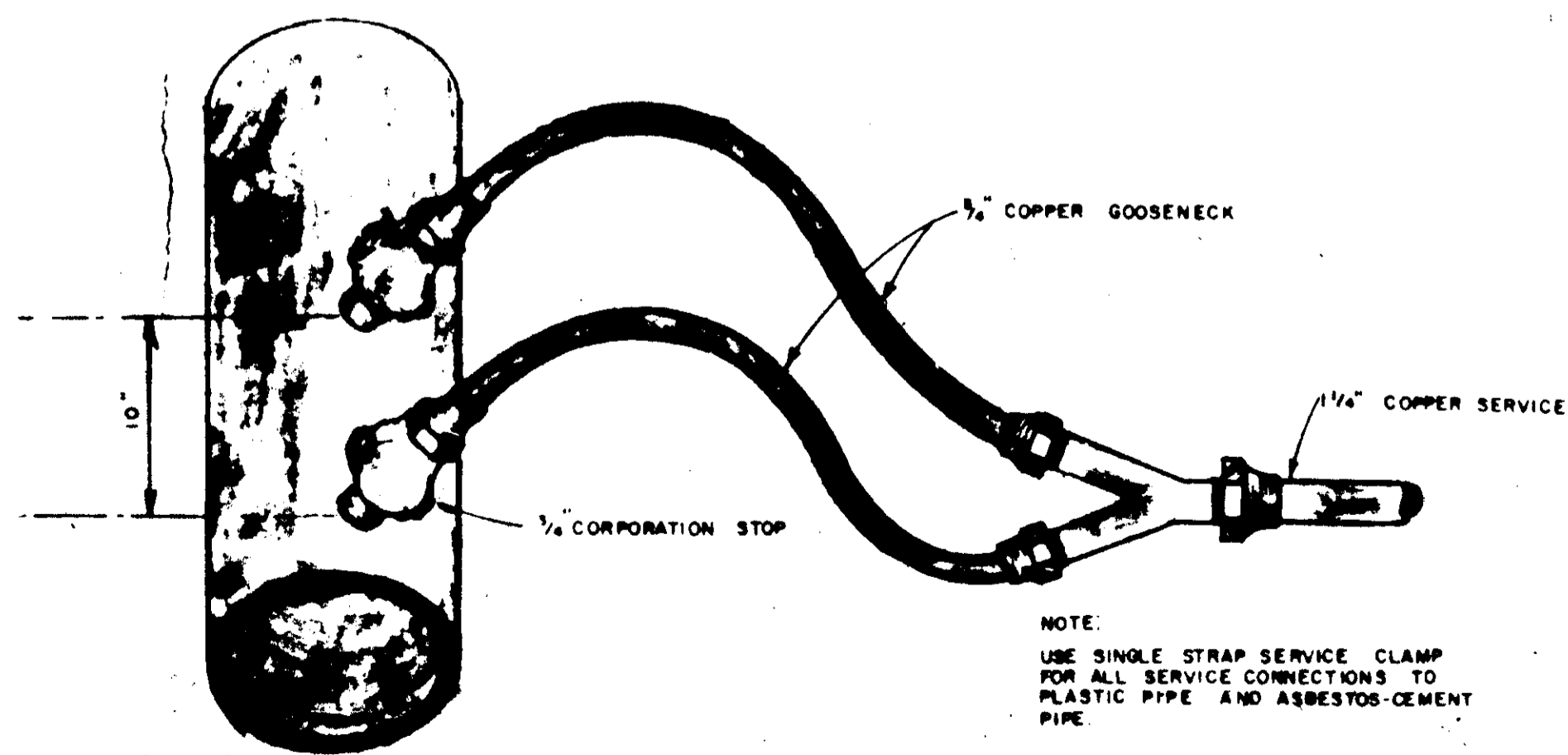


NOTE: 2.50 FT MINIMUM AREA IN CONTACT WITH UNDISTURBED EARTH - LEAVE FITTINGS AND JOINTS ACCESSIBLE.

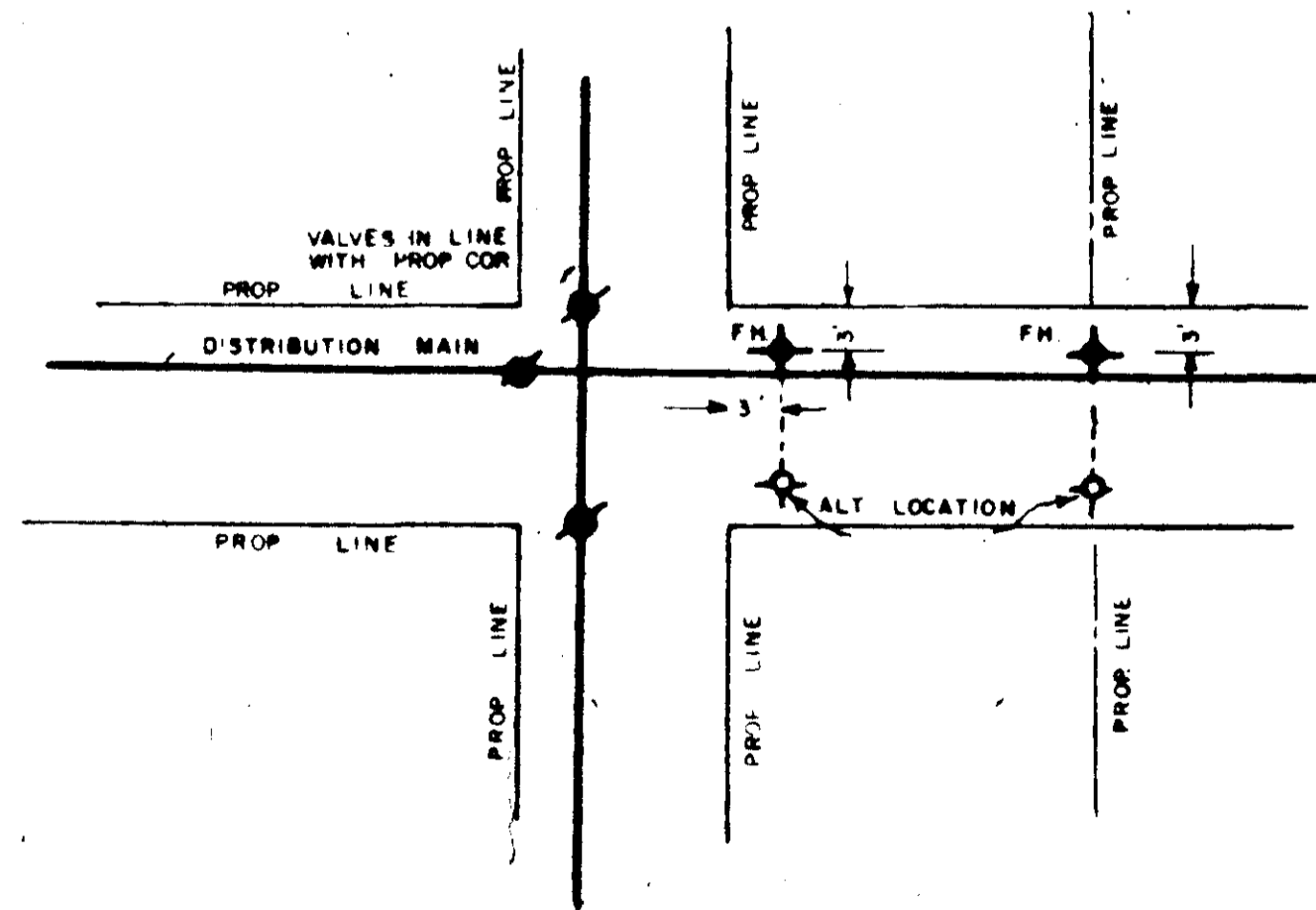
GENERAL NOTES

- NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR USE OF ADDITIONAL FITTINGS WHERE UNDERGROUND OBSTACLES ARE ENCOUNTERED, WITHOUT WRITTEN APPROVAL OF THE ENGINEER.
- ALL WATER LINES WITHIN ROW LIMITS OF HIGHWAYS AND RAILROADS ARE TO BE INSTALLED IN STRICT ACCORDANCE WITH THE APPROVED PERMITS.
- CONTRACTOR WILL COORDINATE THE LOCATION OF EXISTING UTILITIES WITH THE PROPER AUTHORITIES.

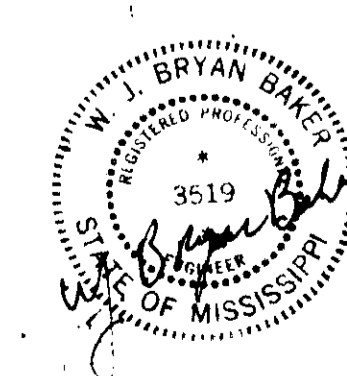
BEND & TEE DETAILS



SERVICE CONNECTIONS



TYPICAL DETAIL OF VALVE AND HYDRANT LOCATIONS



Continued Page		
Standard Detail		
CONTINENTAL CONSULTANTS, INC. Jackson, Mississippi		
CASE and ASSOCIATES, INC. Jackson, Mississippi		
SCALE: 1" = 100'	DATE: 10/1/59	SHEET 3 OF 12