

# DETAILED PLANS

## SANITARY SEWER EXTENSIONS

### CITY OF RIDGELAND, MISSISSIPPI

C - 280644030

MAYOR

HITE B. WOLCOTT

BOARD OF ALDERMEN

JACK MARTIN

RAYMOND McCLURE

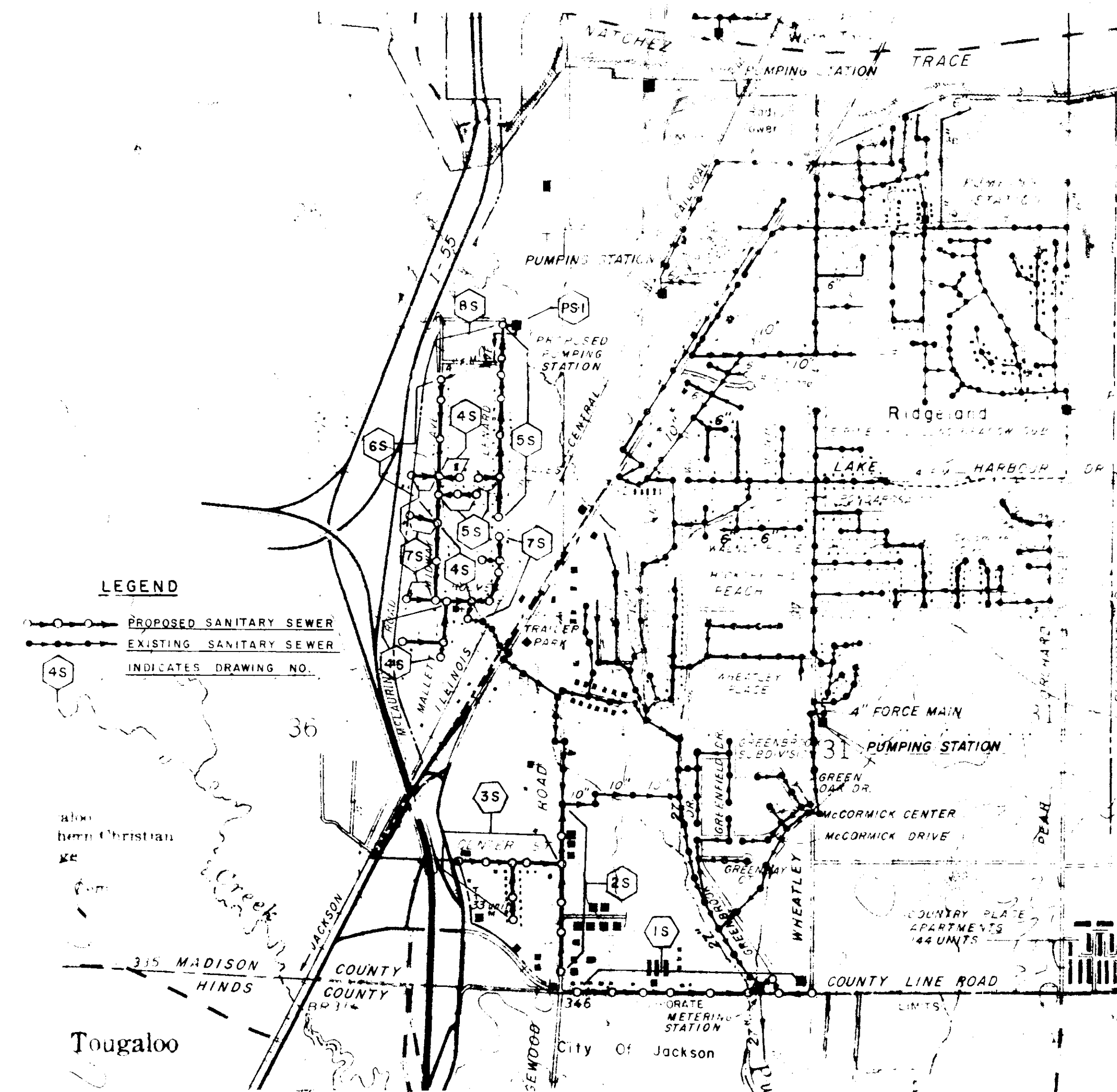
THOMAS MONDAY

DONALD LINDSLEY

HORACE ROSS

CITY ATTORNEY

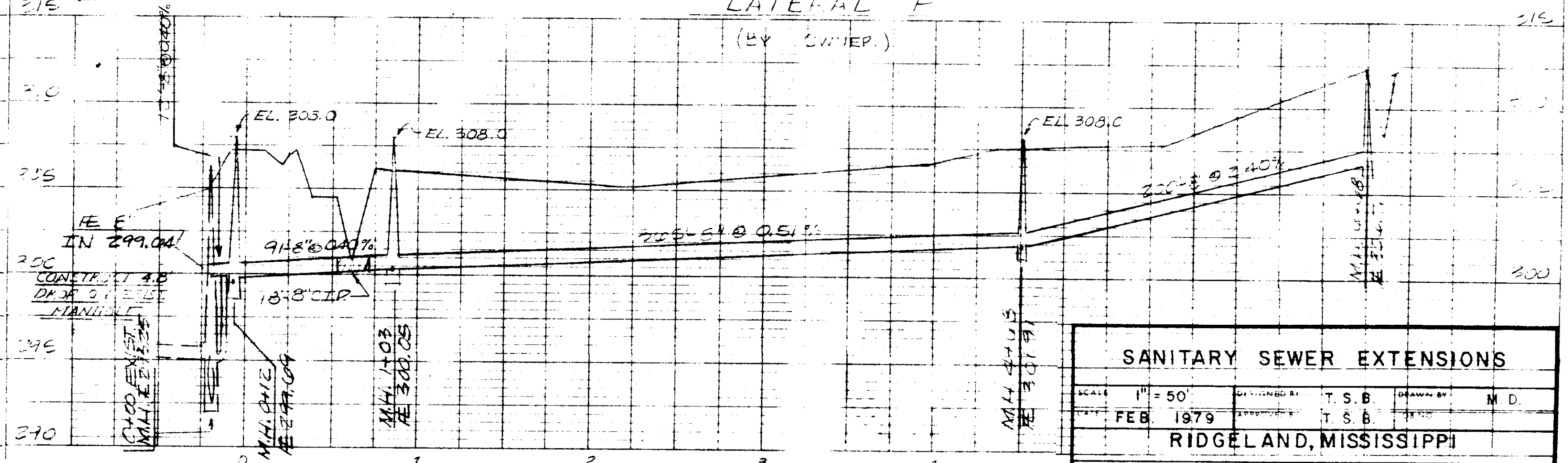
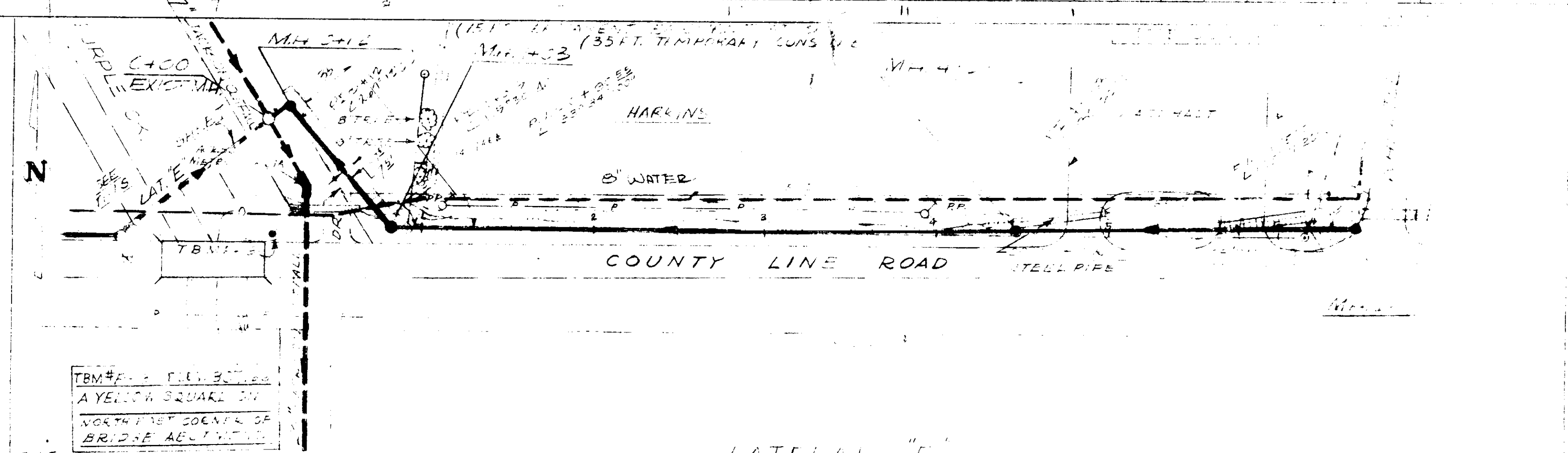
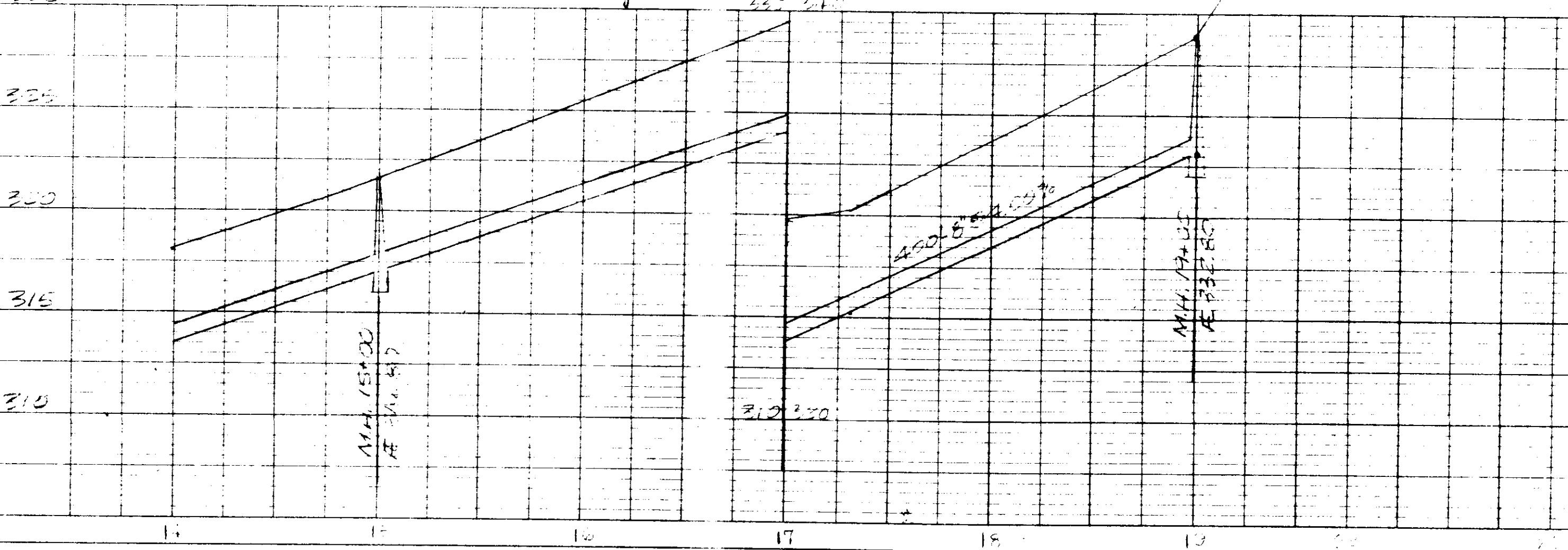
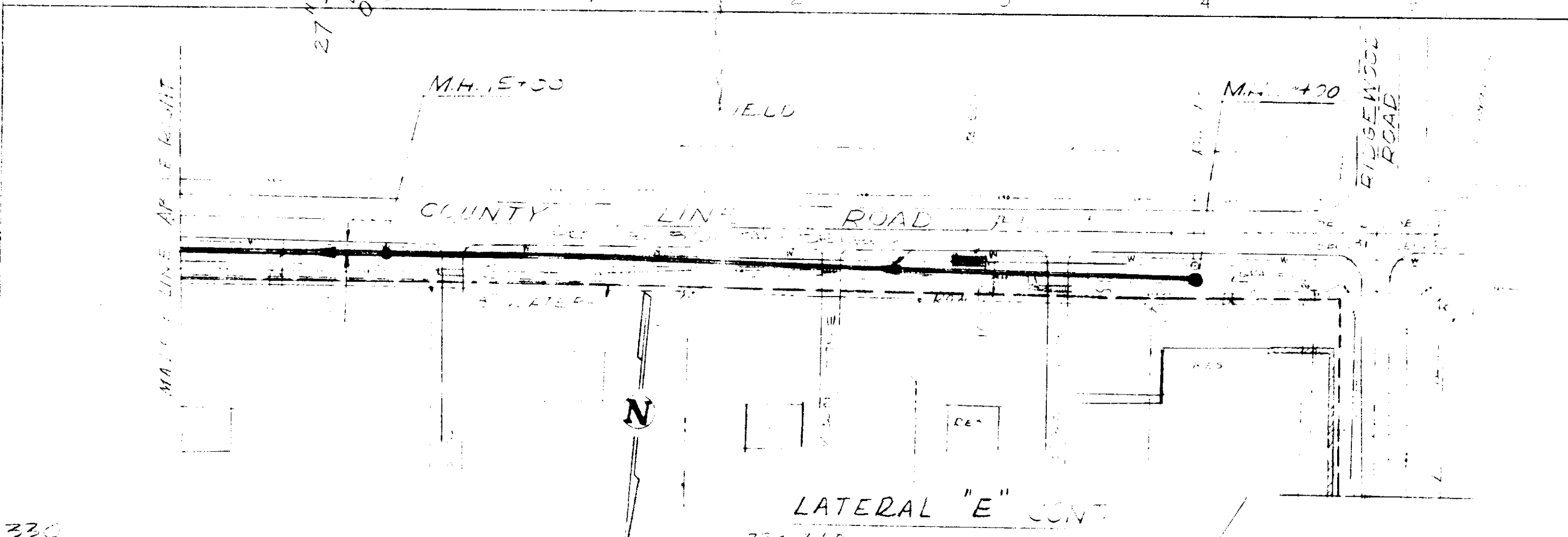
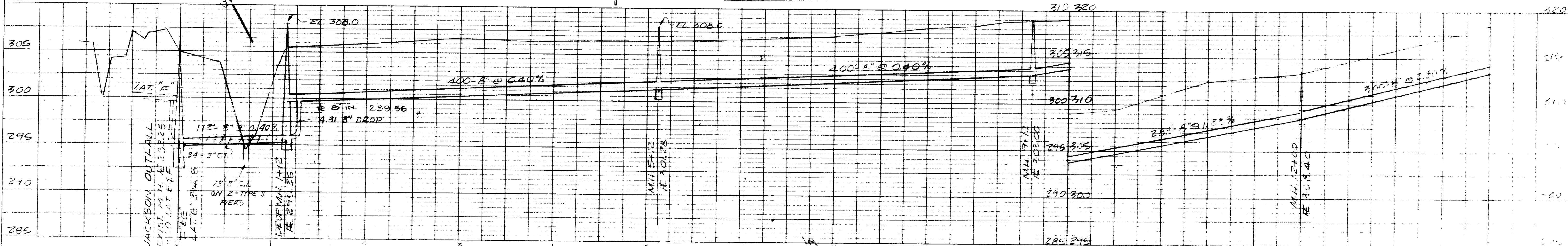
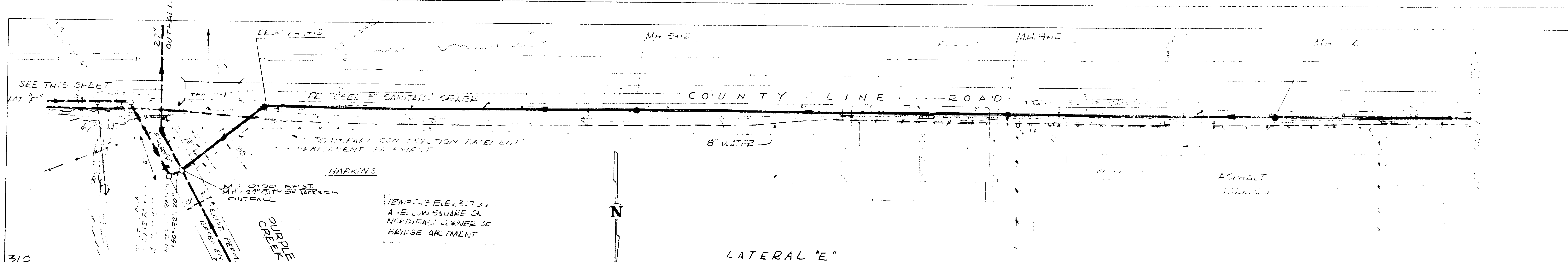
BOB MONTGOMERY



BARTH & ASSOCIATES, INC.  
CONSULTING ENGINEERS  
JACKSON, MISSISSIPPI

SANITARY SEWER INDEX

PWP-01803



PLAN SURVEYED BY DATE  
NOTICE OF RECORDING FILE NO.  
NOTE BOOK NO. OF WAY CHECKED  
NO.

PROFILE SURVEYED BY DATE  
NOTICE OF RECORDING FILE NO.  
NOTE BOOK NO. OF WAY CHECKED  
NO.

HIGHWAY FEDERAL AID SHEET  
PLATE 2-DOUBLE PLAN AND PROFILE-FULL LINE  
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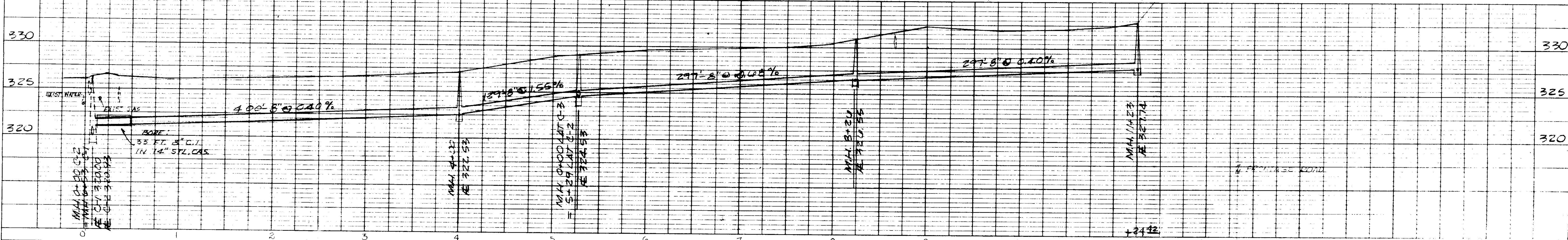
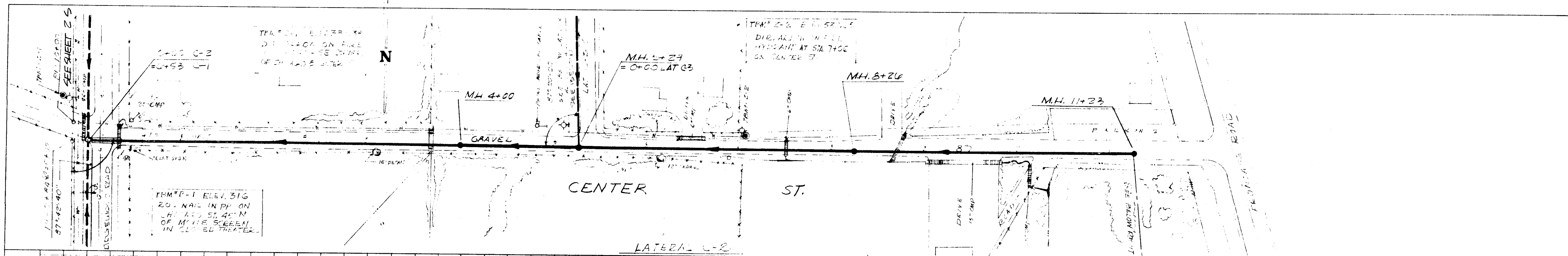
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SCALE 1" = 50'	DESIGNED BY T.S.B.	DRAWN BY M.D.	CHECKED BY
FEB 1979	APPROVED BY T.S.B.	DATE	
RIDGLAND, MISSISSIPPI			
BARTH & ASSOCIATES, INC. CONSULTING ENGINEERS JACKSON, MISSISSIPPI			IS



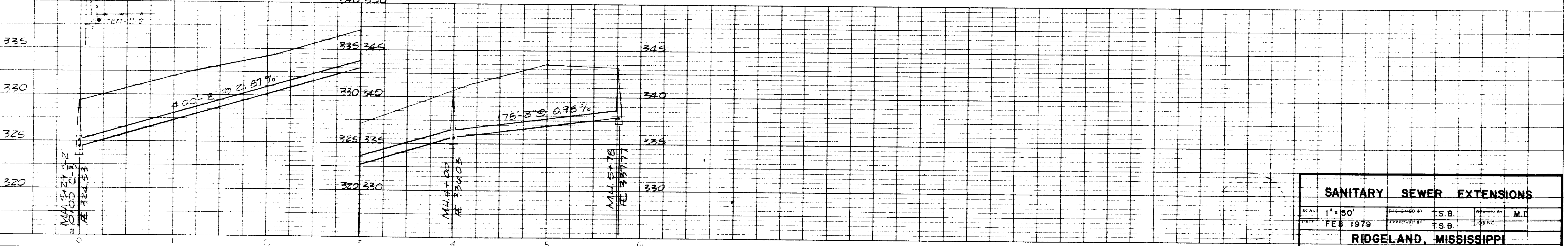
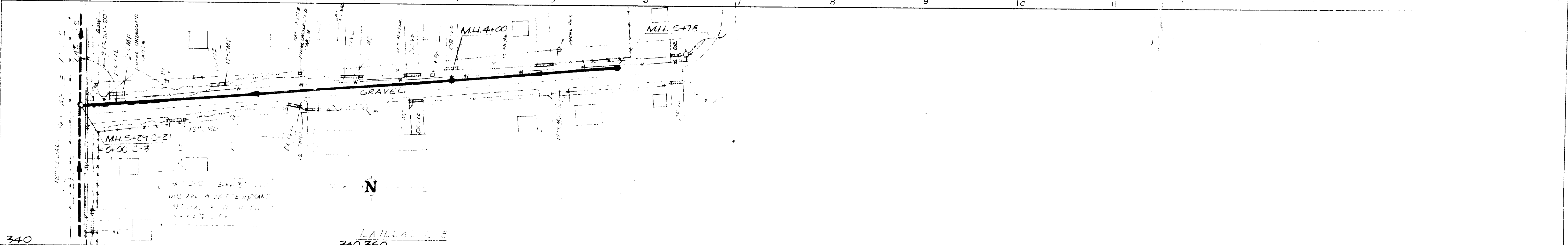




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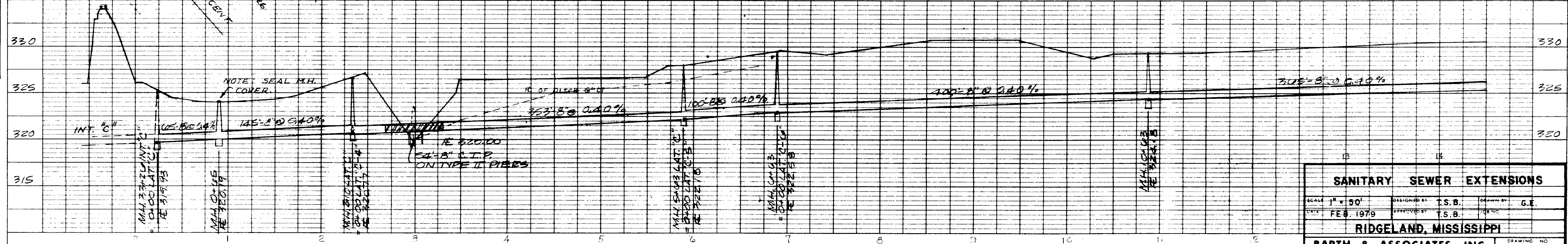
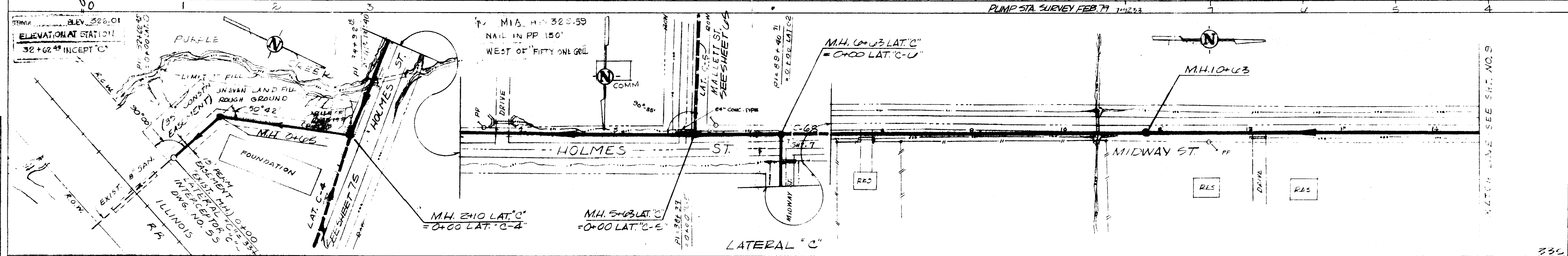
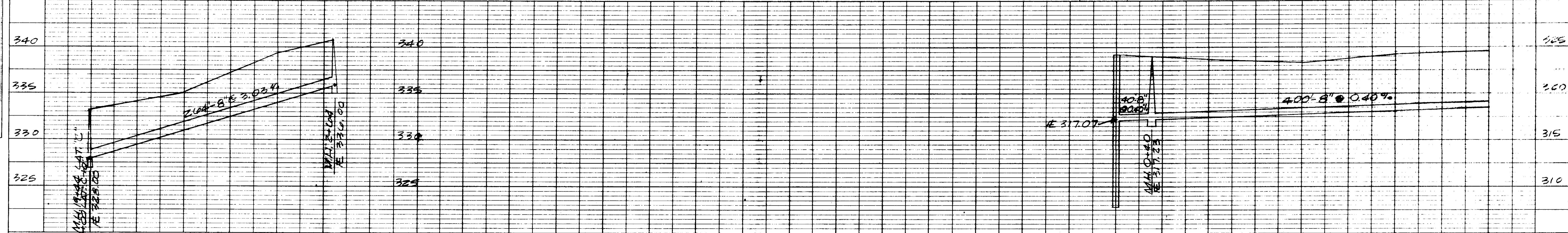
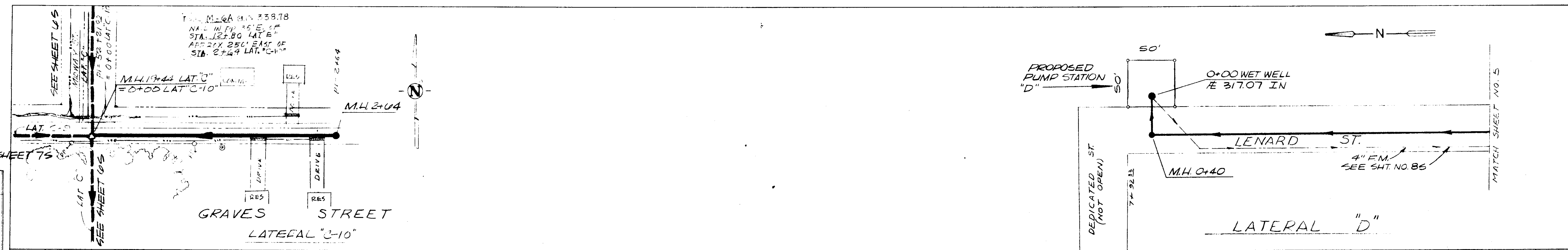
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 PLATE 2-DOUBLE PLAN AND PROFILE-FULL LINE  
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<b>SANITARY SEWER EXTENSIONS</b>			
SCALE 1" = 50'	DESIGNED BY T.S.B.	DRAWN BY M.D.	
DATE FEB 1979	APPROVED BY T.S.B.		
<b>RIDGELAND, MISSISSIPPI</b>			
<b>BARTH &amp; ASSOCIATES, INC.</b> CONSULTING ENGINEERS JACKSON, MISSISSIPPI			DRAWING NO. <b>3 S</b>



PLAN  
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PROFILE  
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 NOTE BOOK NO. OF WAY CHECKED  
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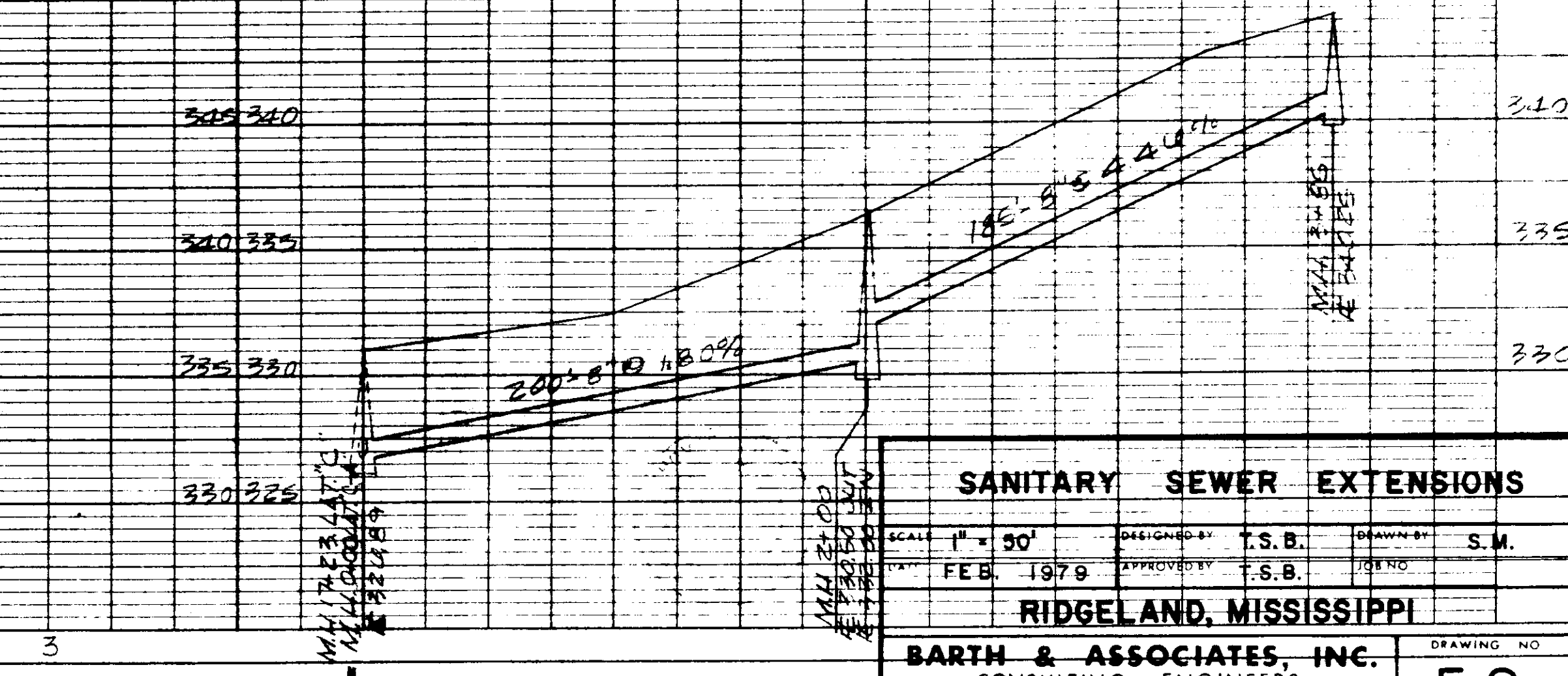
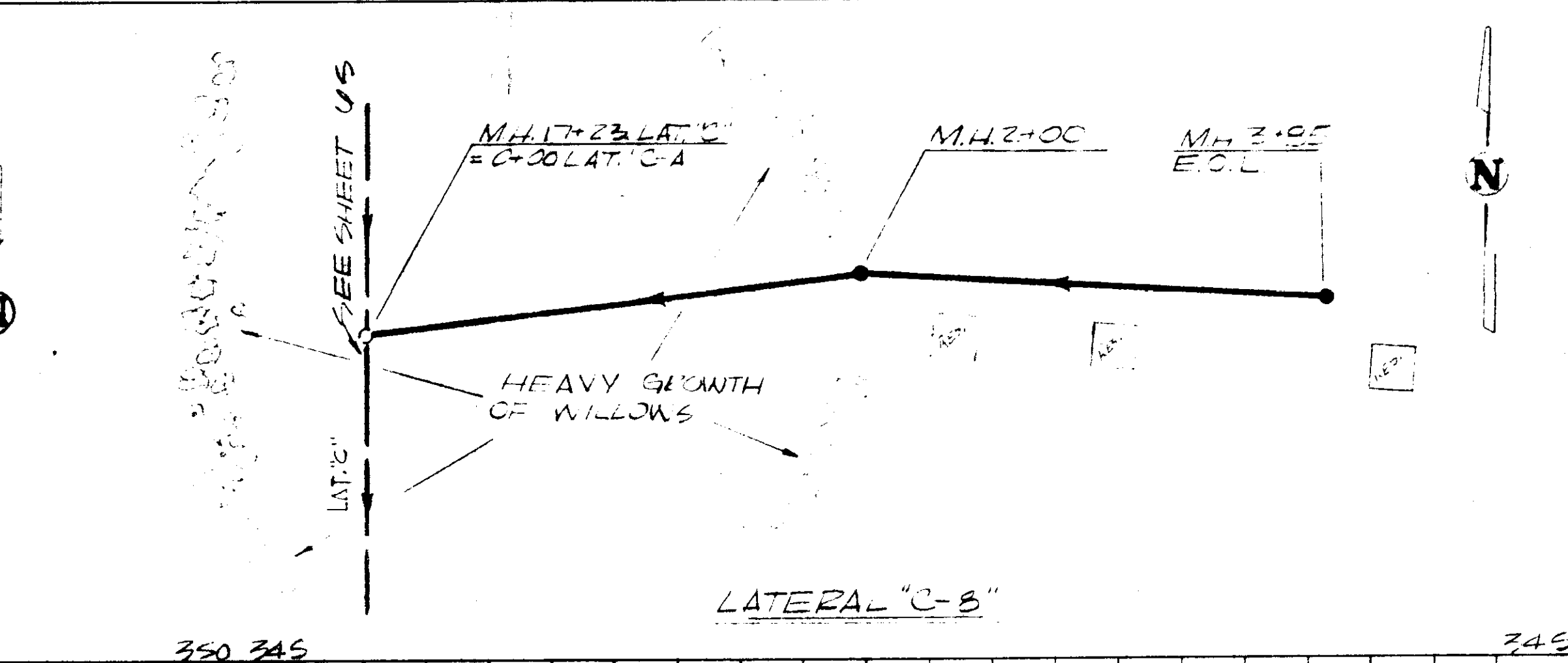
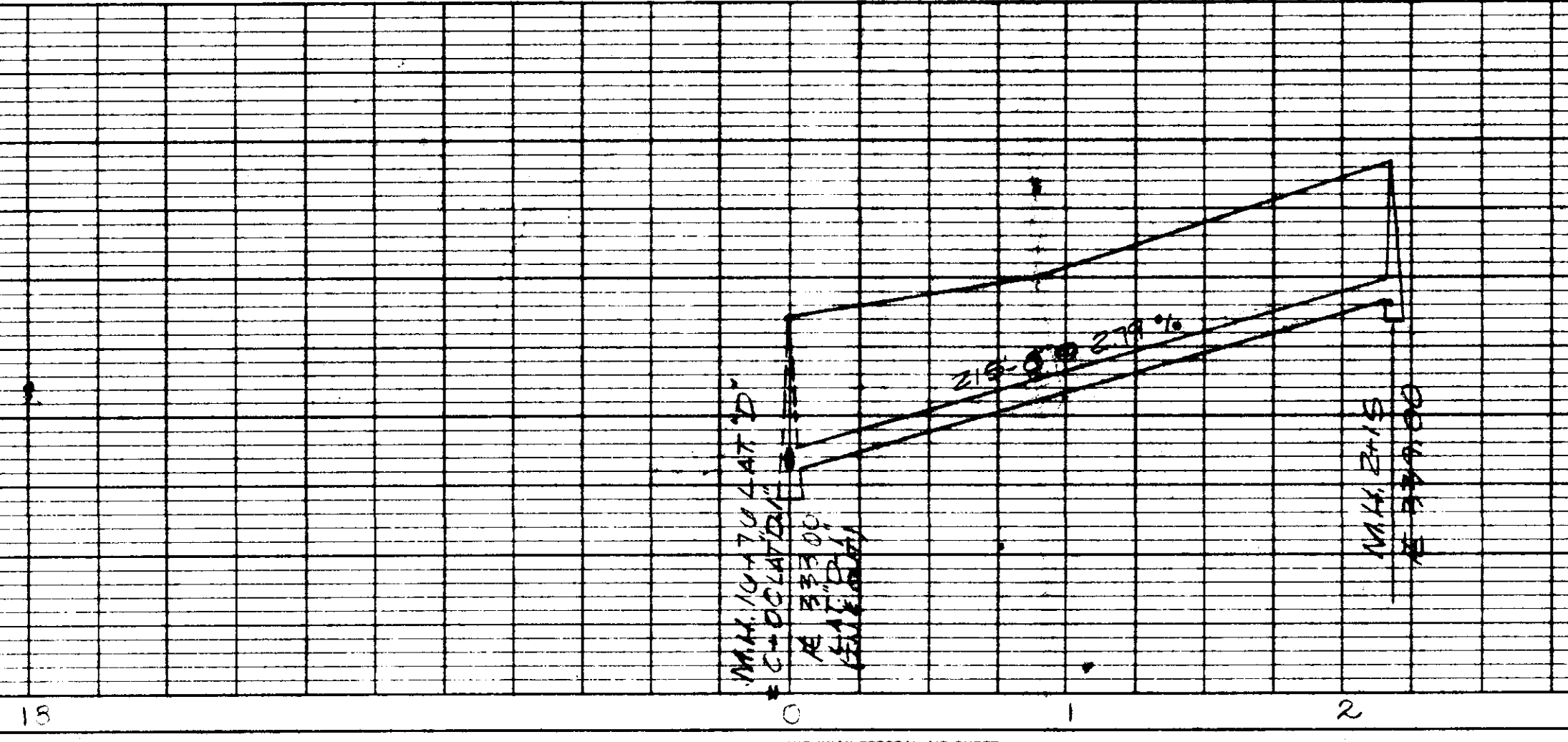
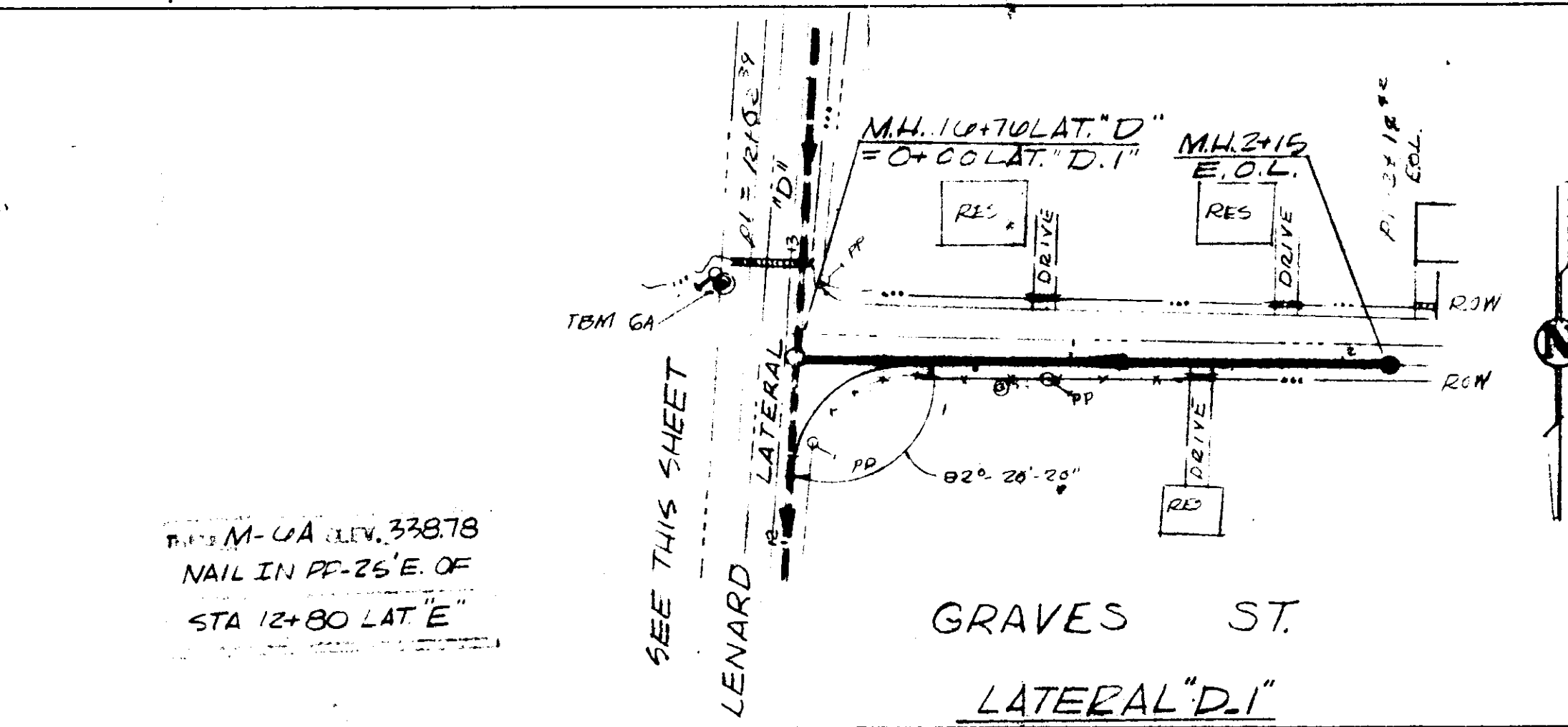
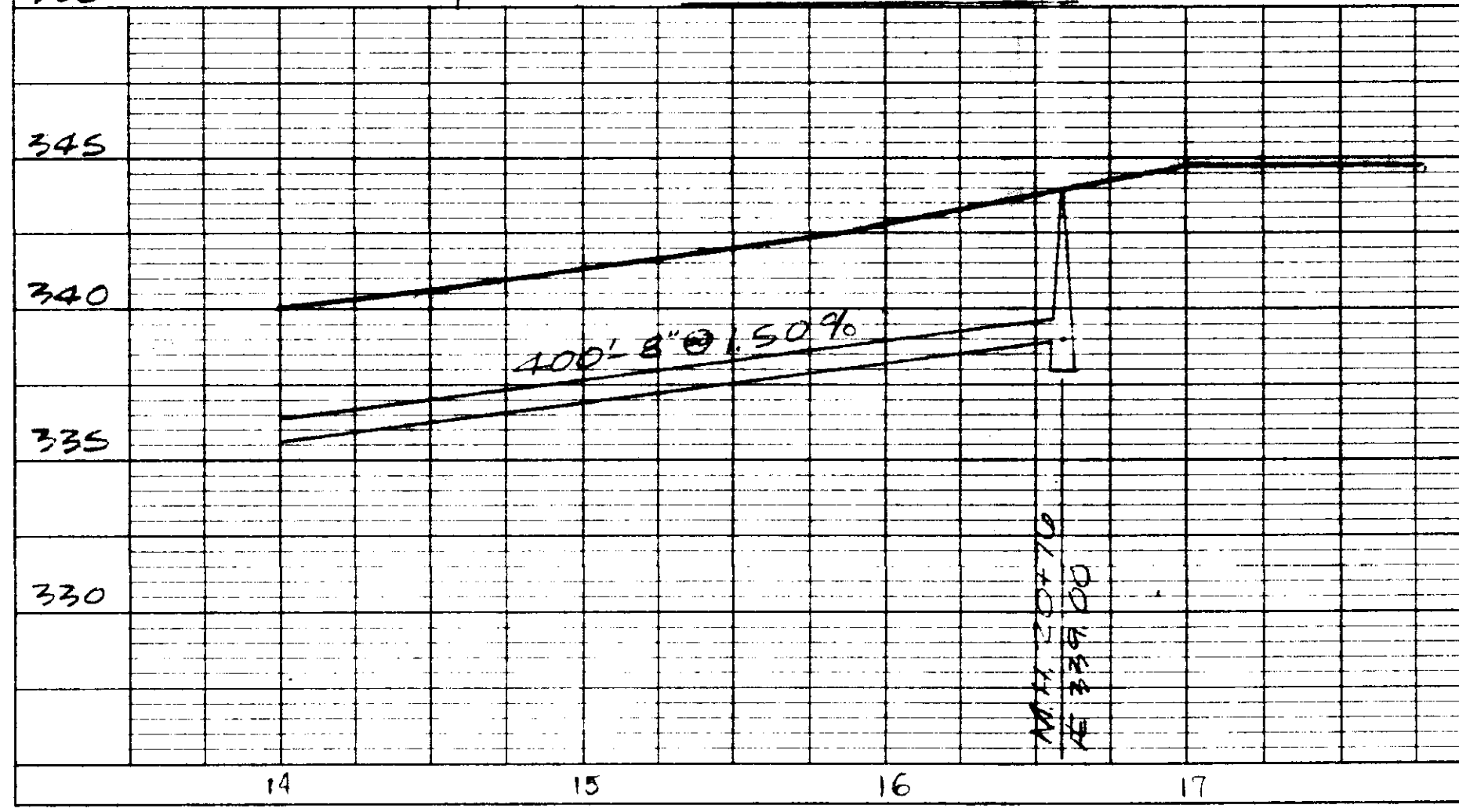
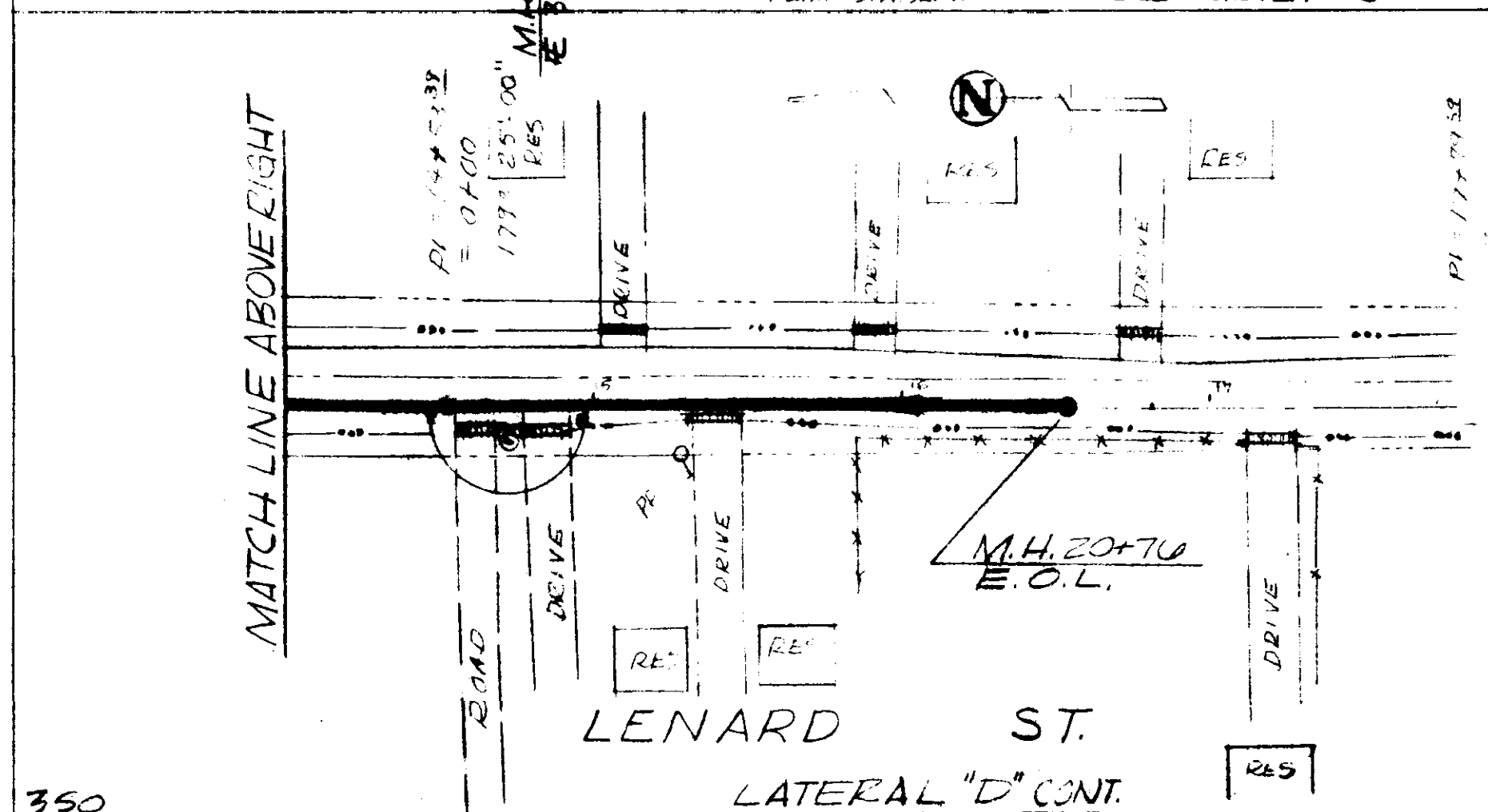
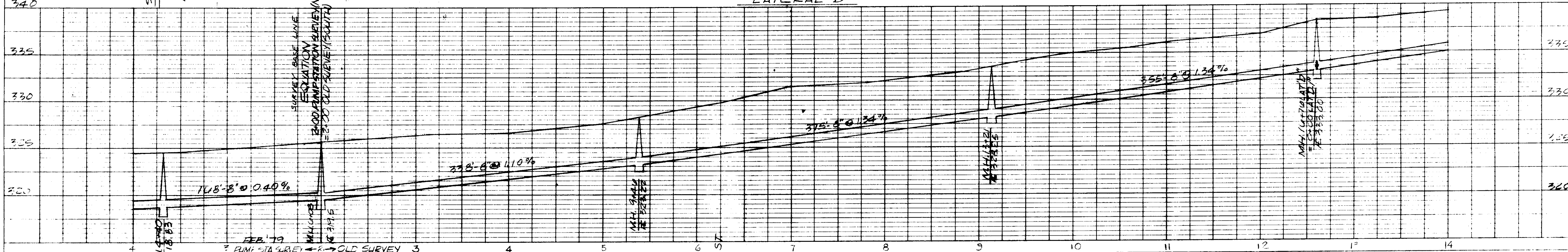
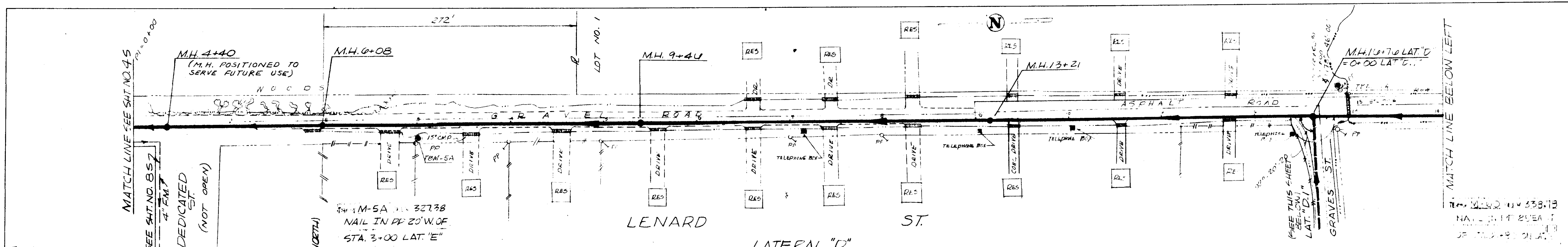
HIGHWAY FEDERAL AID SHEET  
 PLATE 2-DOUBLE PLAN AND PROFILE-FULL LINE  
 INDIANAPOLIS, INDIANA PRINTED IN U.S.A.

SANITARY SEWER EXTENSIONS			
SCALE 1" = 50'	DESIGNED BY T.S.B.	DRAWN BY G.E.	
DATE FEB. 1979	APPROVED BY T.S.B.	FIG. NO.	
RIDGLAND, MISSISSIPPI			
BARTH & ASSOCIATES, INC. CONSULTING ENGINEERS JACKSON, MISSISSIPPI			DRAWING NO. <b>4 S</b>



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HIGHWAY FEDERAL AID SHEET  
 PLATE 2-DOUBLE PLAN AND PROFILE-FULL LINE  
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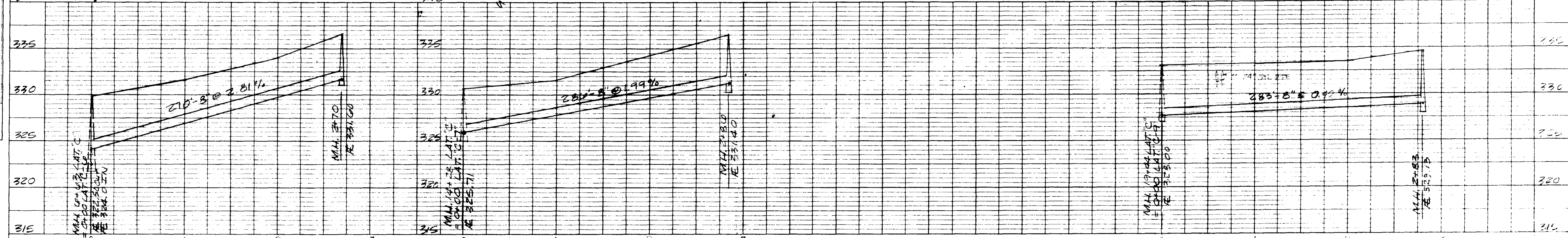
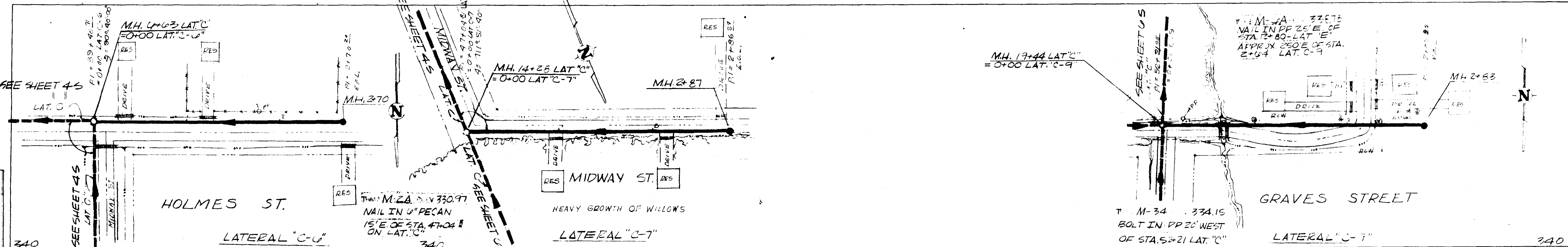
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FEB. 1979	APPROVED BY: T.S.B.	RENO:	
<b>RIDGLAND, MISSISSIPPI</b>			
<b>BARTH &amp; ASSOCIATES, INC.</b> CONSULTING ENGINEERS JACKSON, MISSISSIPPI			DRAWING NO. <b>5S</b>



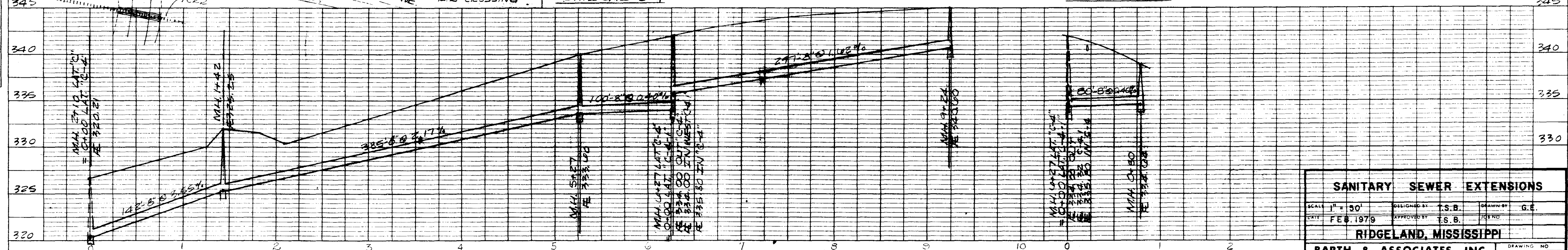
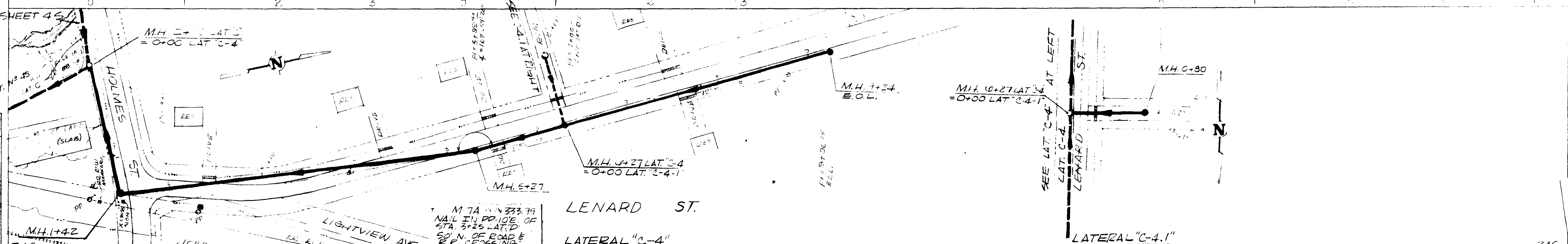




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 NO. \_\_\_\_\_ BT. OF WAY CHECKED: \_\_\_\_\_  
 STRUCTURE NOTATIONS CHECKED: \_\_\_\_\_



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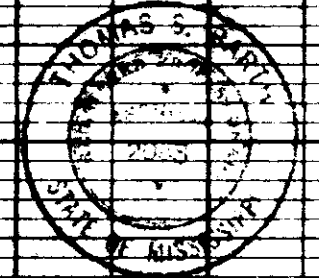
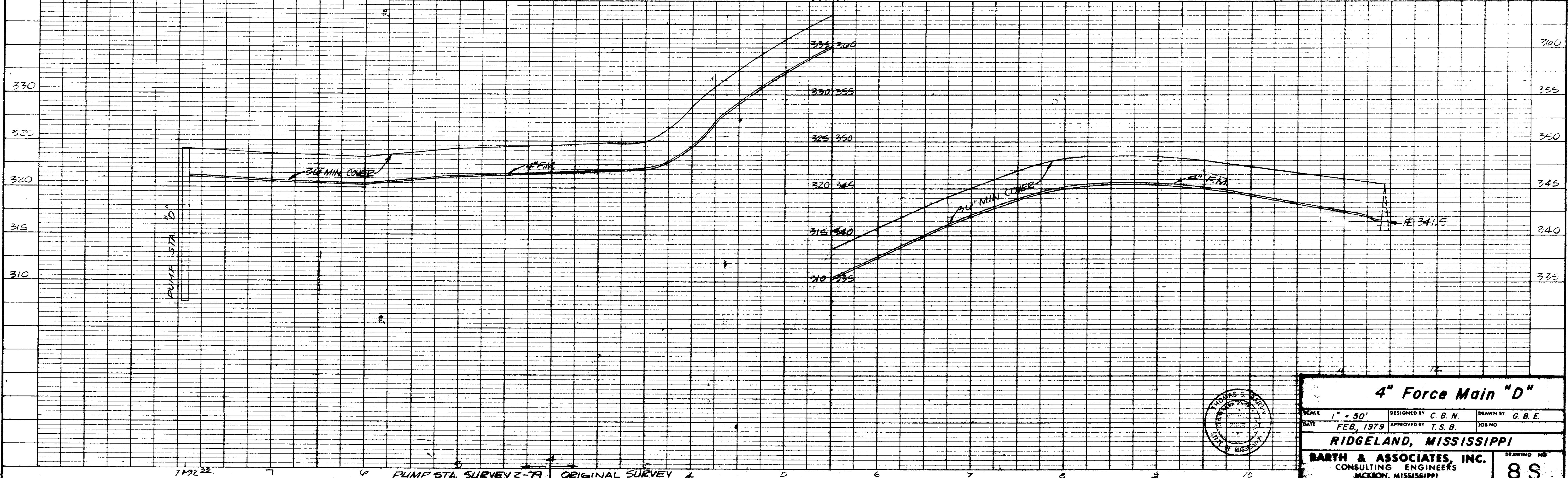
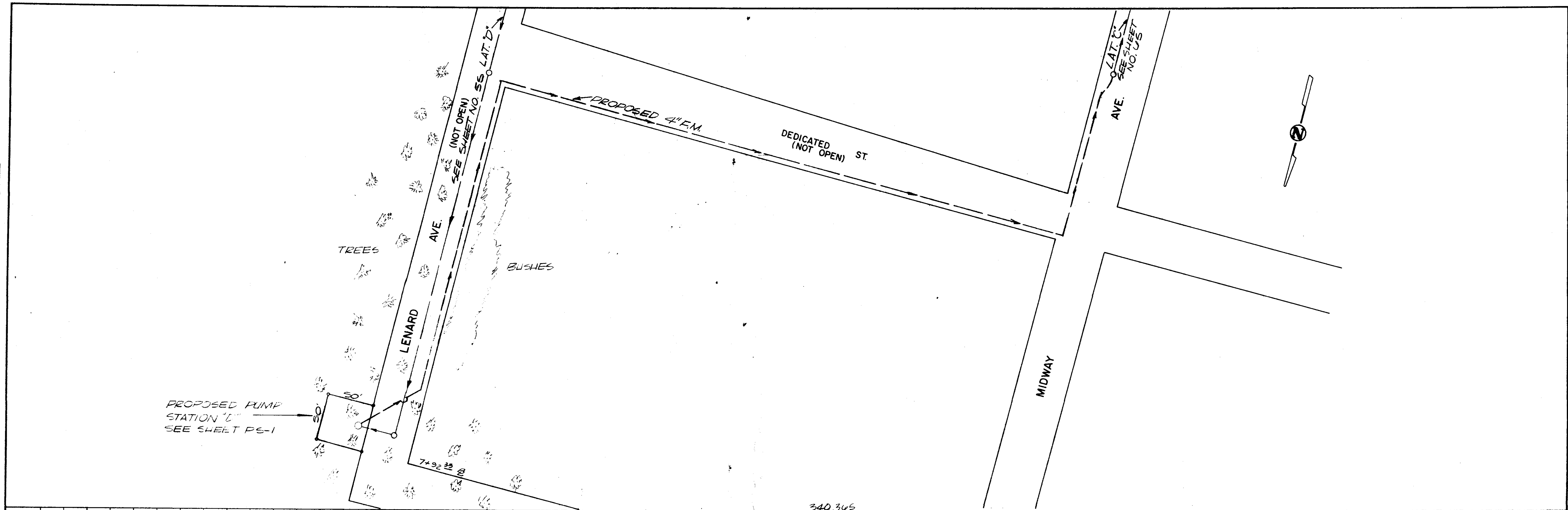


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DATE: FEB. 1979	APPROVED BY: T.S.B.	JOB NO.	
<b>RIDGELAND, MISSISSIPPI</b>			
<b>BARTH &amp; ASSOCIATES, INC.</b>			DRAWING NO.
CONSULTING ENGINEERS			<b>75</b>
JACKSON, MISSISSIPPI			



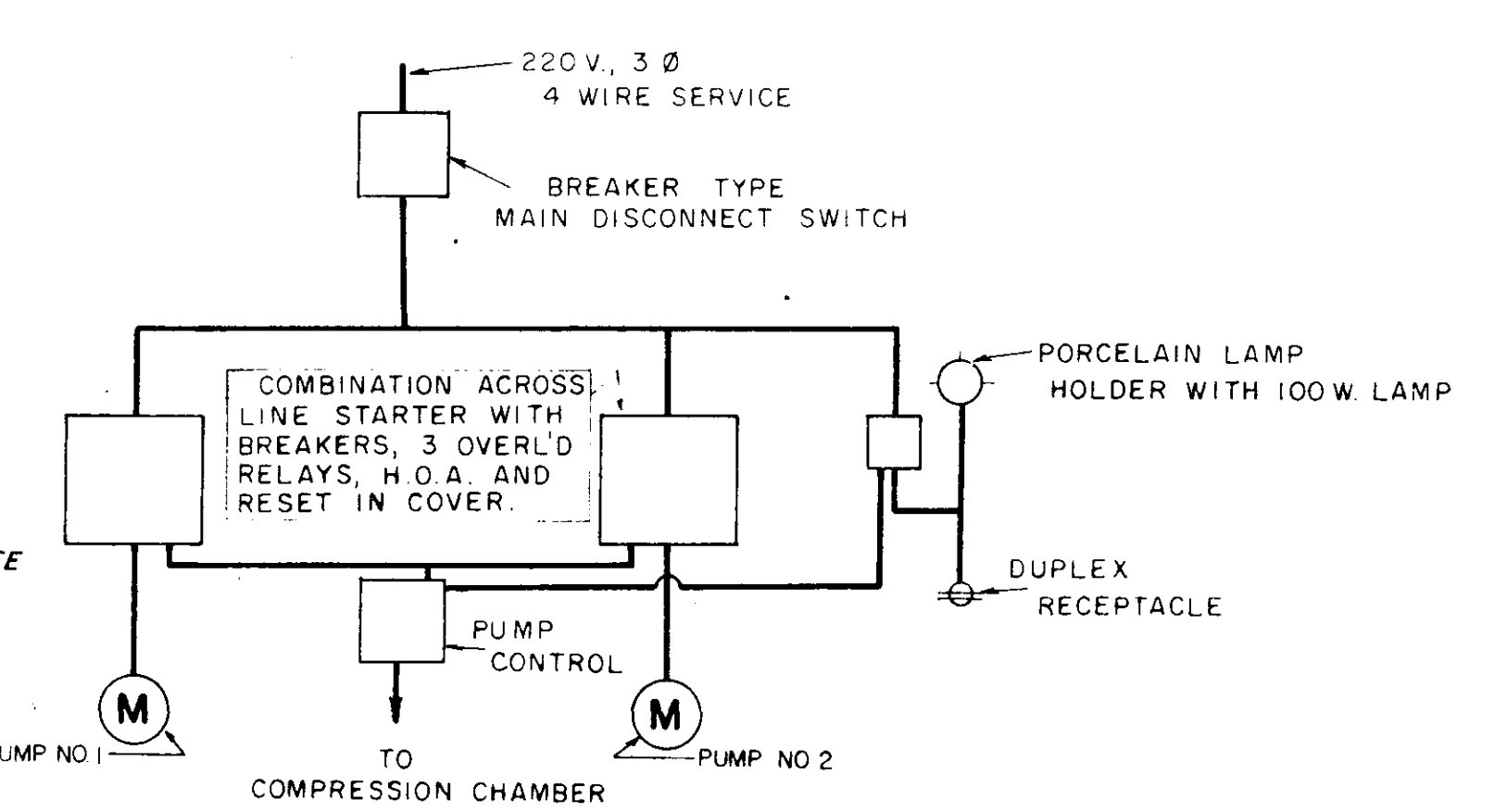
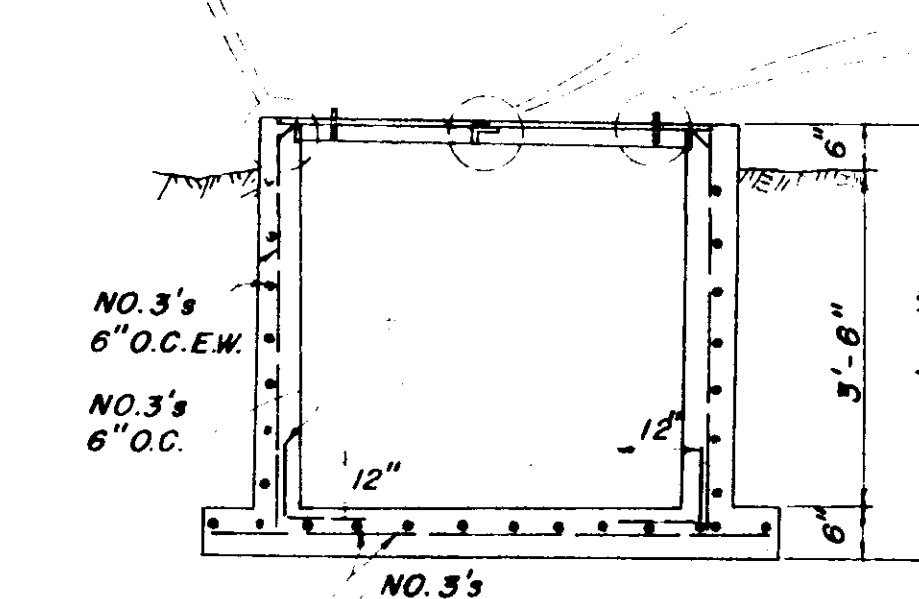
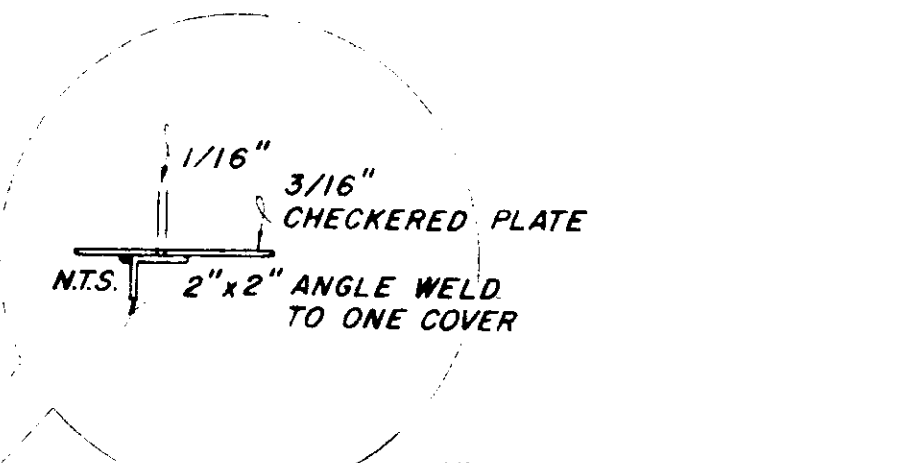
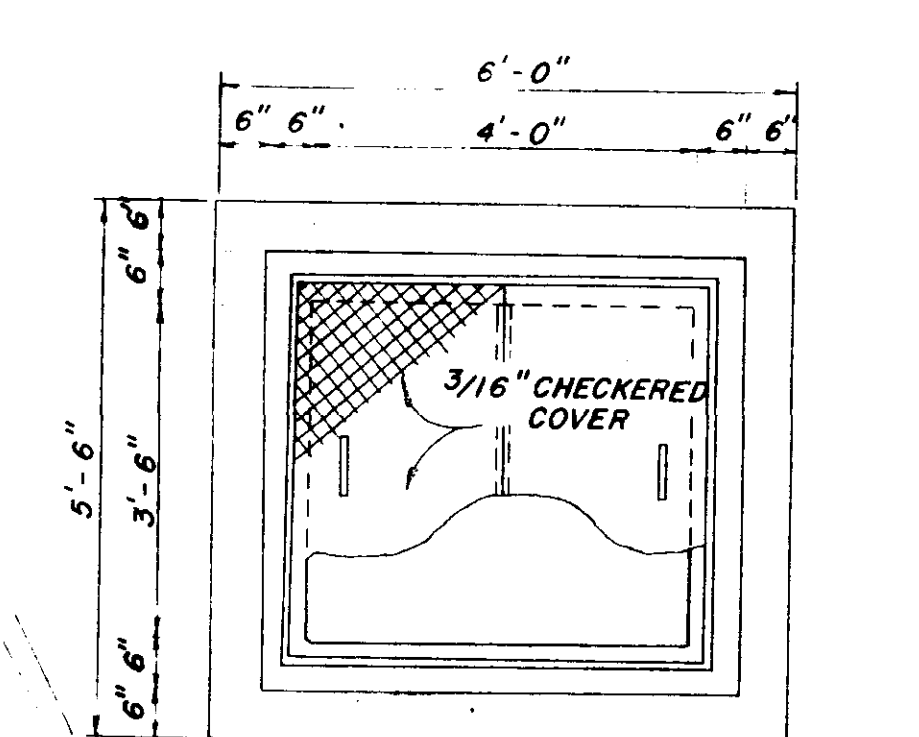
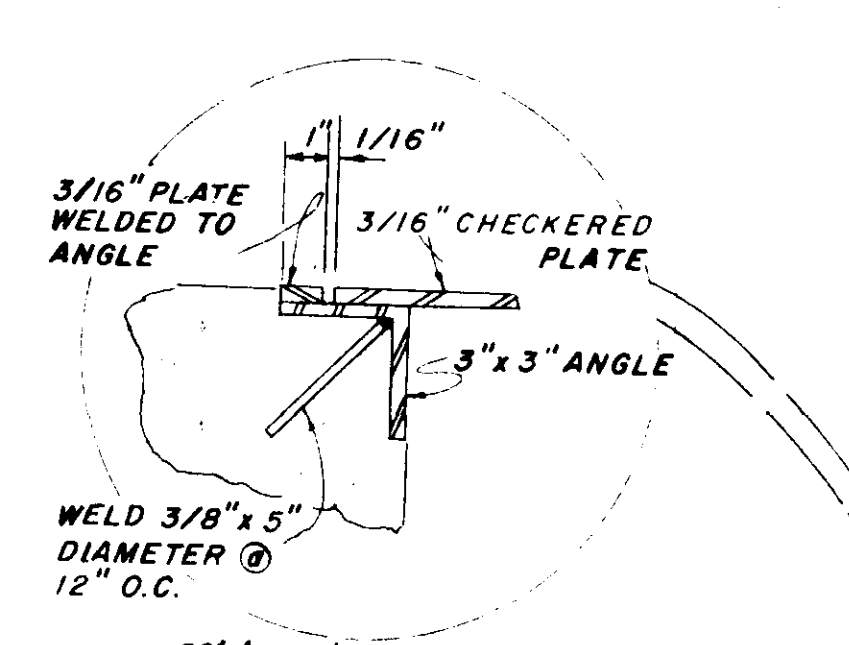
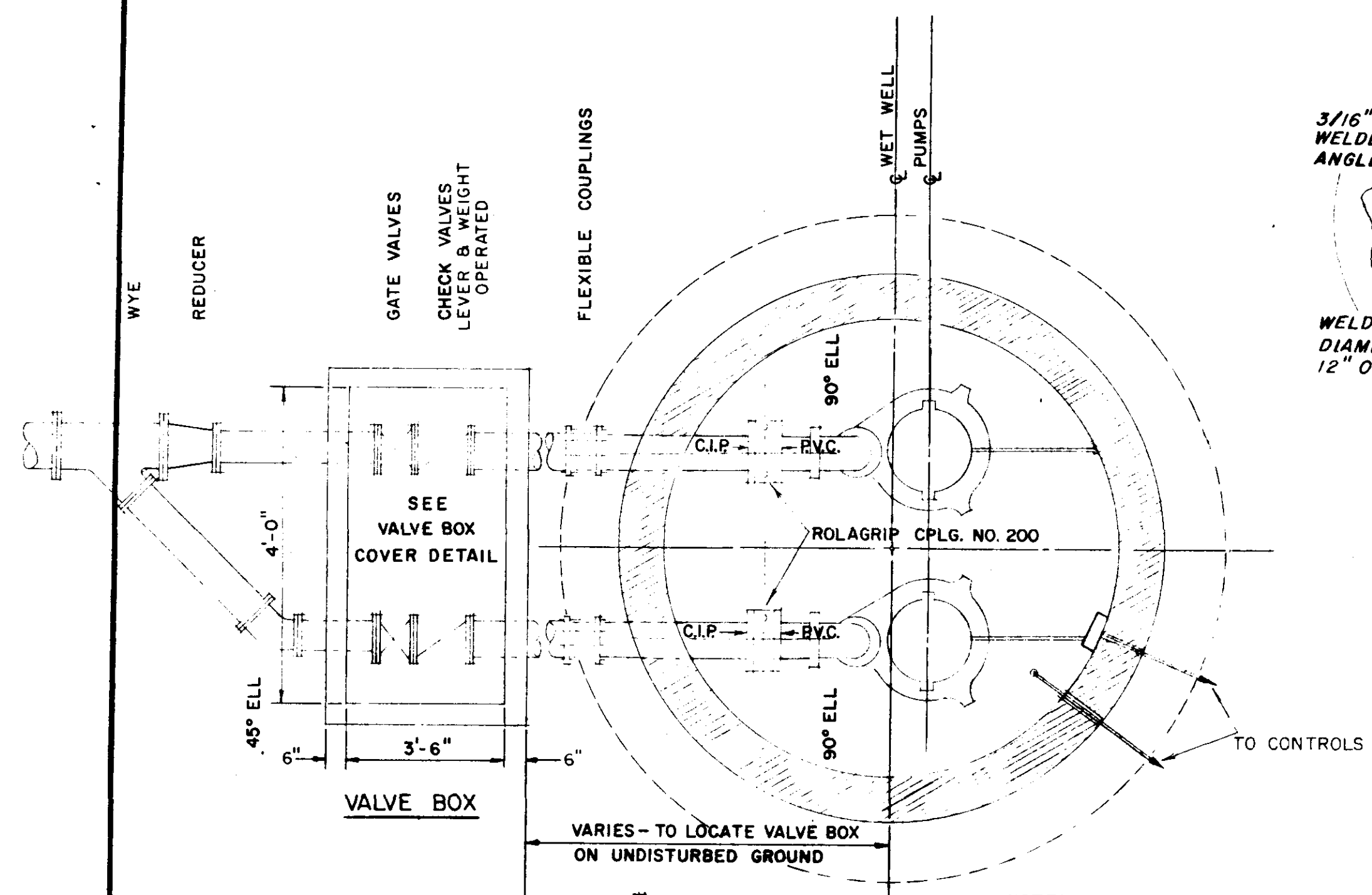
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BY	
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NOTED	
NOTE BOOK	
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DATE	
BY	
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NOTE BOOK	
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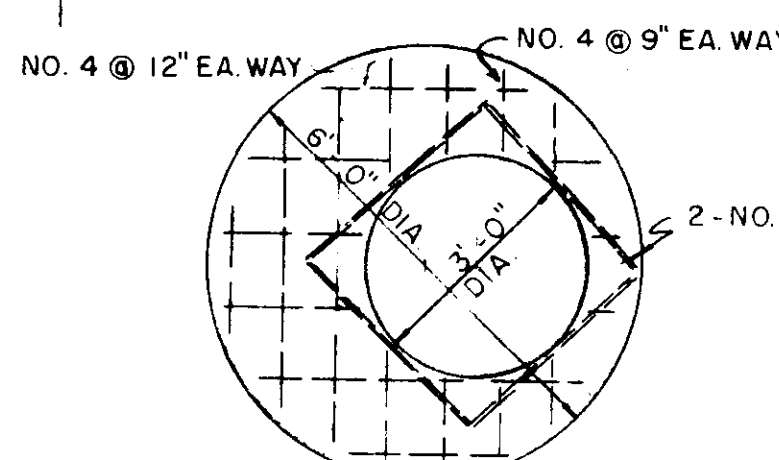
<b>4" Force Main "D"</b>		
SCALE 1" = 30'	DESIGNED BY C. B. N.	DRAWN BY G. B. E.
DATE FEB, 1979	APPROVED BY T. S. B.	JOB NO.
<b>RIDGELAND, MISSISSIPPI</b>		
<b>BARTH &amp; ASSOCIATES, INC.</b>		
CONSULTING ENGINEERS JACKSON, MISSISSIPPI		
		DRAWING NO. <b>8 S</b>





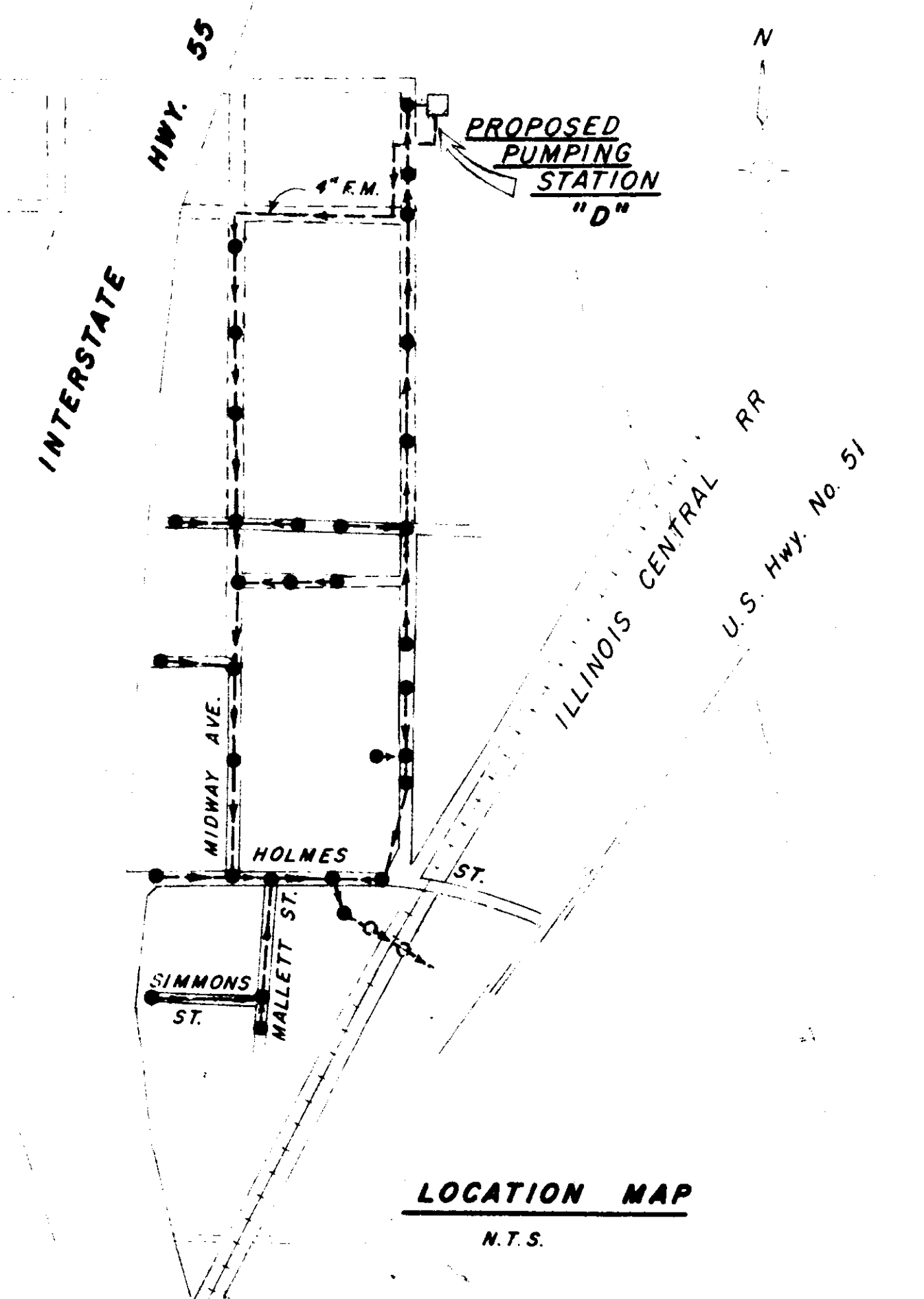
NOTE: STARTERS AND CONTROL PANEL SHALL BE HOUSED IN A "DEAD FRONT" WEATHER PROOF ENCLOSURE SUITABLE FOR MOUNTING ON POLE.  
**Electrical Schematic**

NOTE: DISCONNECT COUPLINGS AND JUNCTION BOX SHALL BE ACCESSIBLE TO MANHOLE OPENING



STATION NO	CAPACITY GPM	T. D. H.	MAXIMUM SOLIDS SIZE	MOTOR H. P.	MOTOR R. P. M.	POWER SUPPLY	WET WELL DEPTH	WET WELL DIA.	FL INFLUENT	APPROX. FIN. GRADE	DISCHARGE PIPE DIA.	FORCE MAIN DIA.	WET WELL COVER OPENING	TOP SLAB EL.	FORCE MAIN RL AT WET WELL	FORCE MAIN RL AT RECEIVING MANHOLE
D	100	45'	2 7/8"	5	1735	220V-3Ø 4 W. Δ	17.63	5.0'	317.07	324.2	3"	4"	3'-0"	324.7	321.2	341.5

PROPOSED 1-220



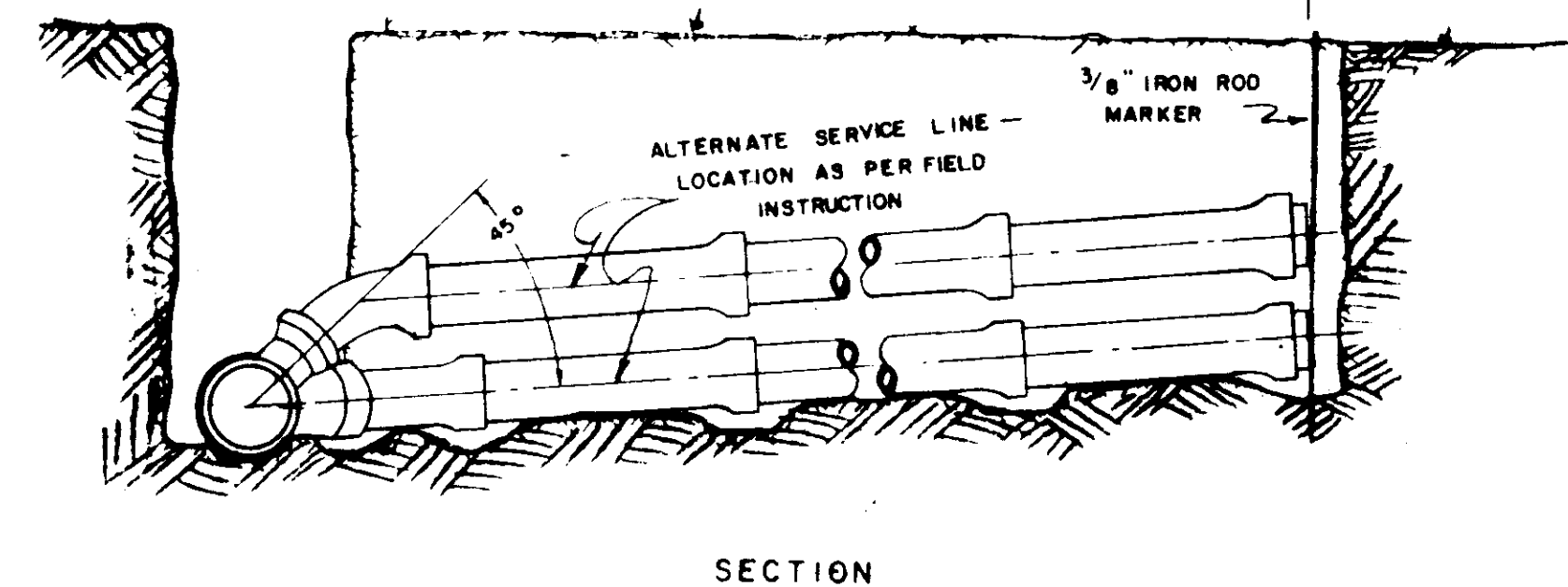
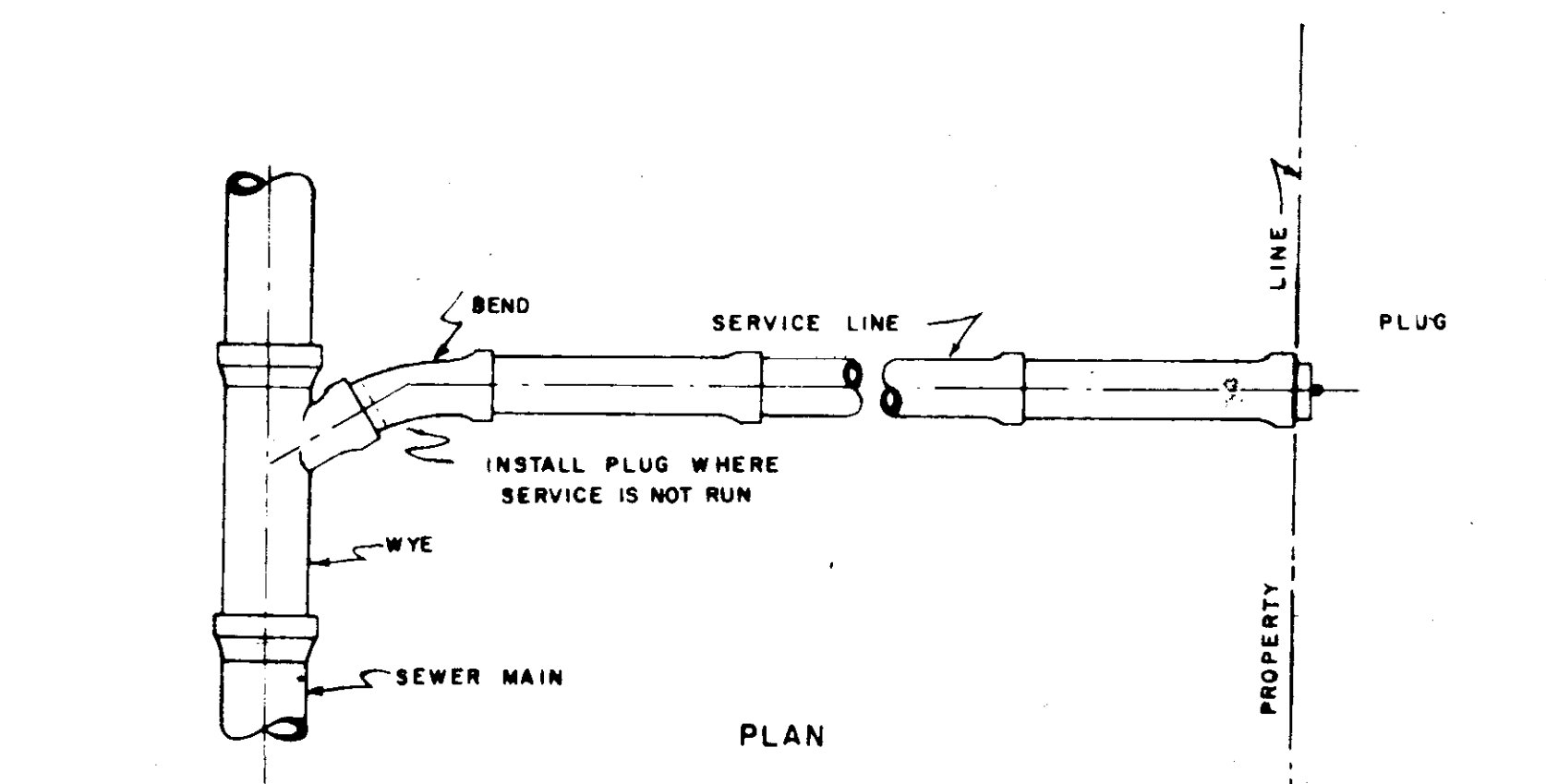
**PUMPING STATION "D"**

SCALE AS SHOWN DESIGNED BY C. B. N. DRAWN BY G. B. E.  
DATE FEB 1979 APPROVED BY T. S. B. JOB NO.

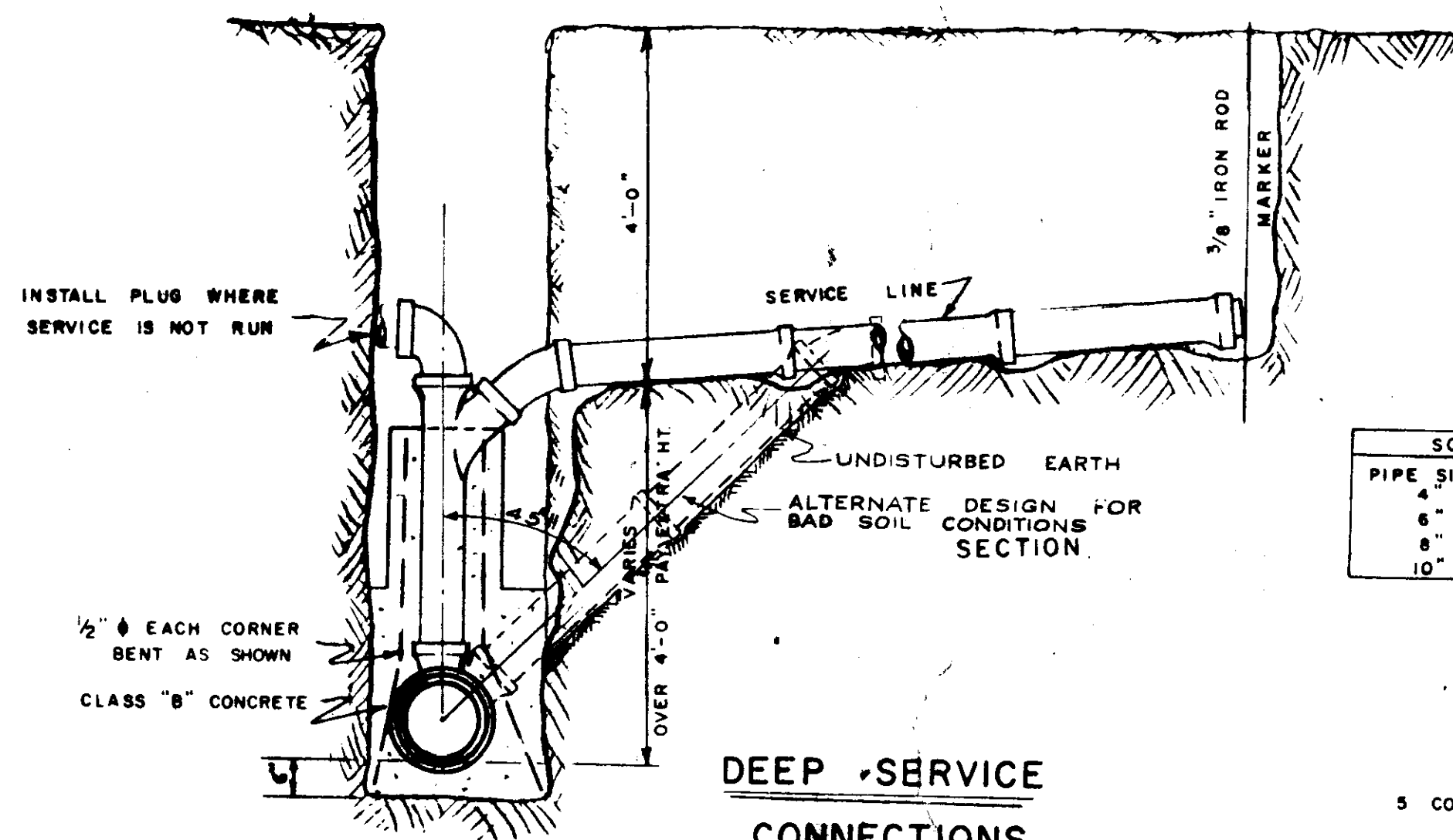
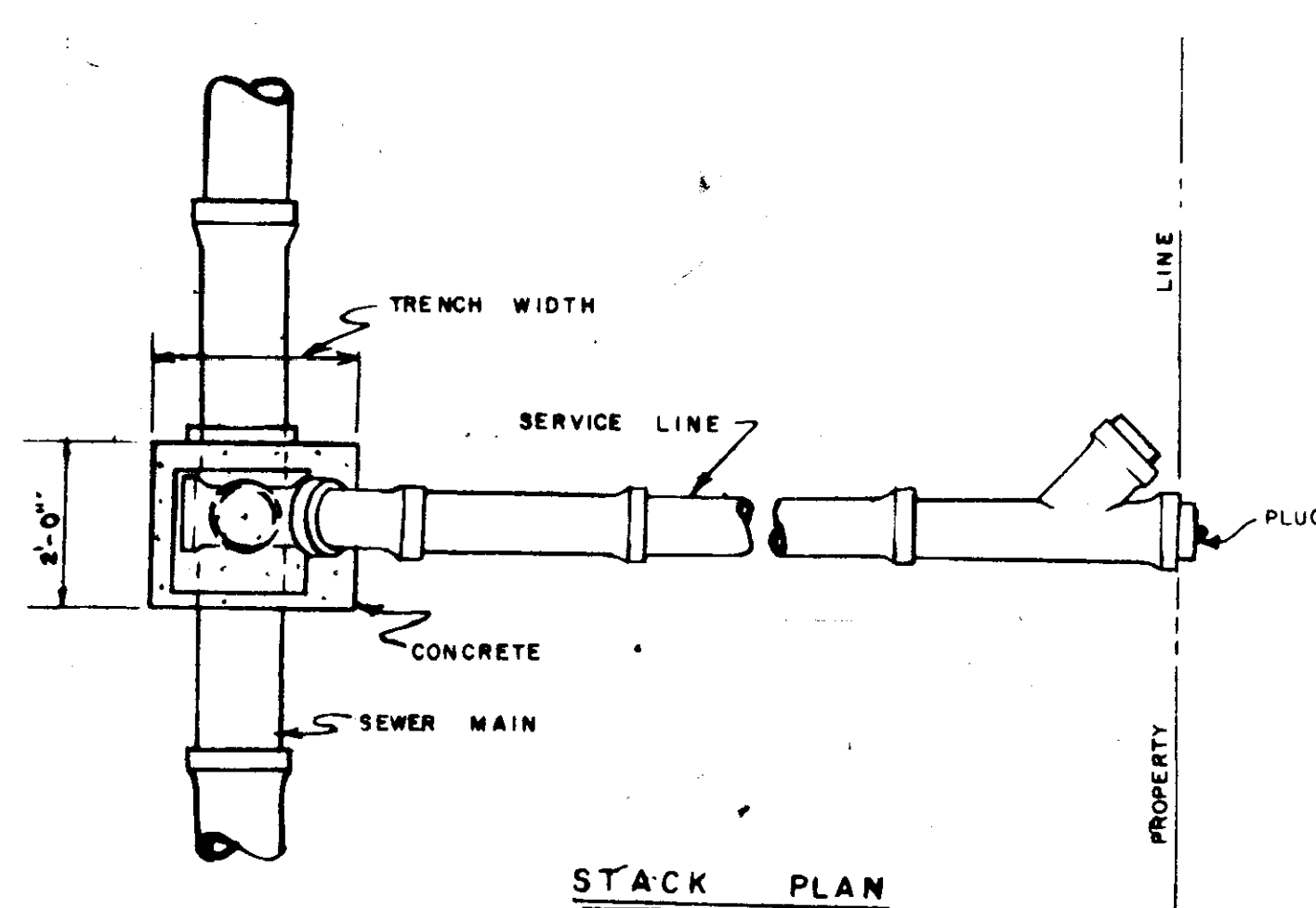
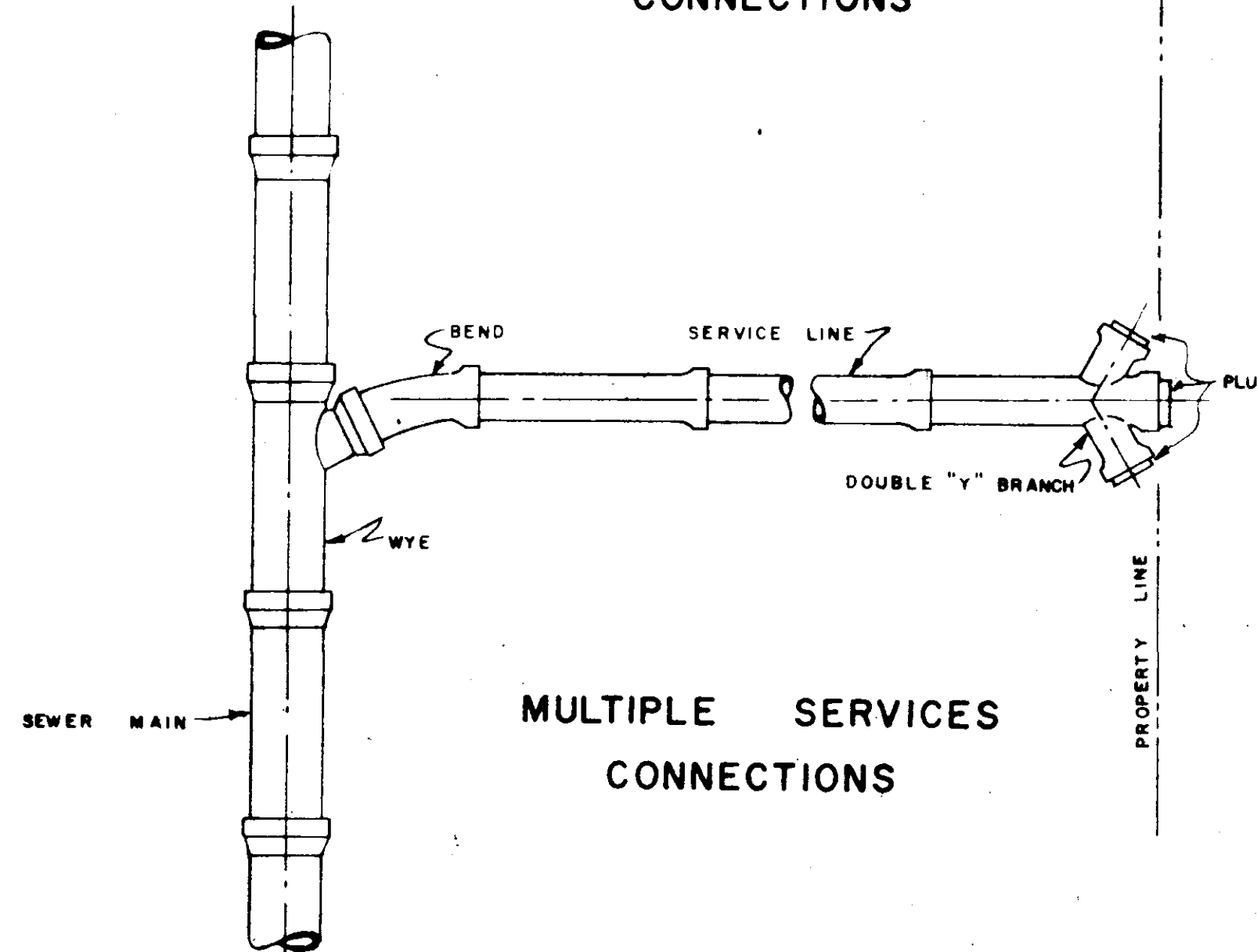
**RIDGELAND, MISSISSIPPI**

**BARTH & ASSOCIATES, INC.** DRAWING NO. **PS-1**  
CONSULTING ENGINEERS JACKSON, MISSISSIPPI



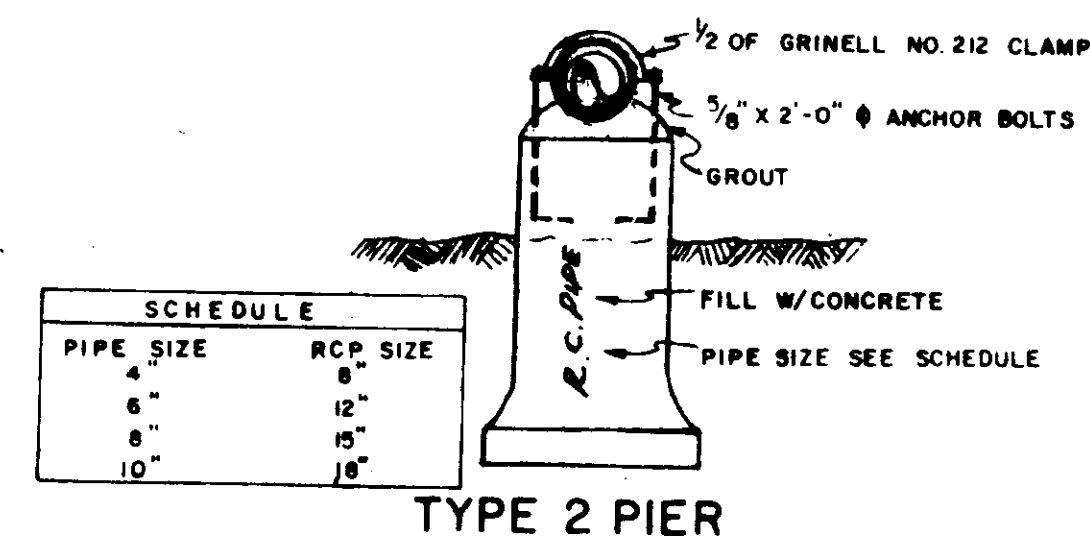
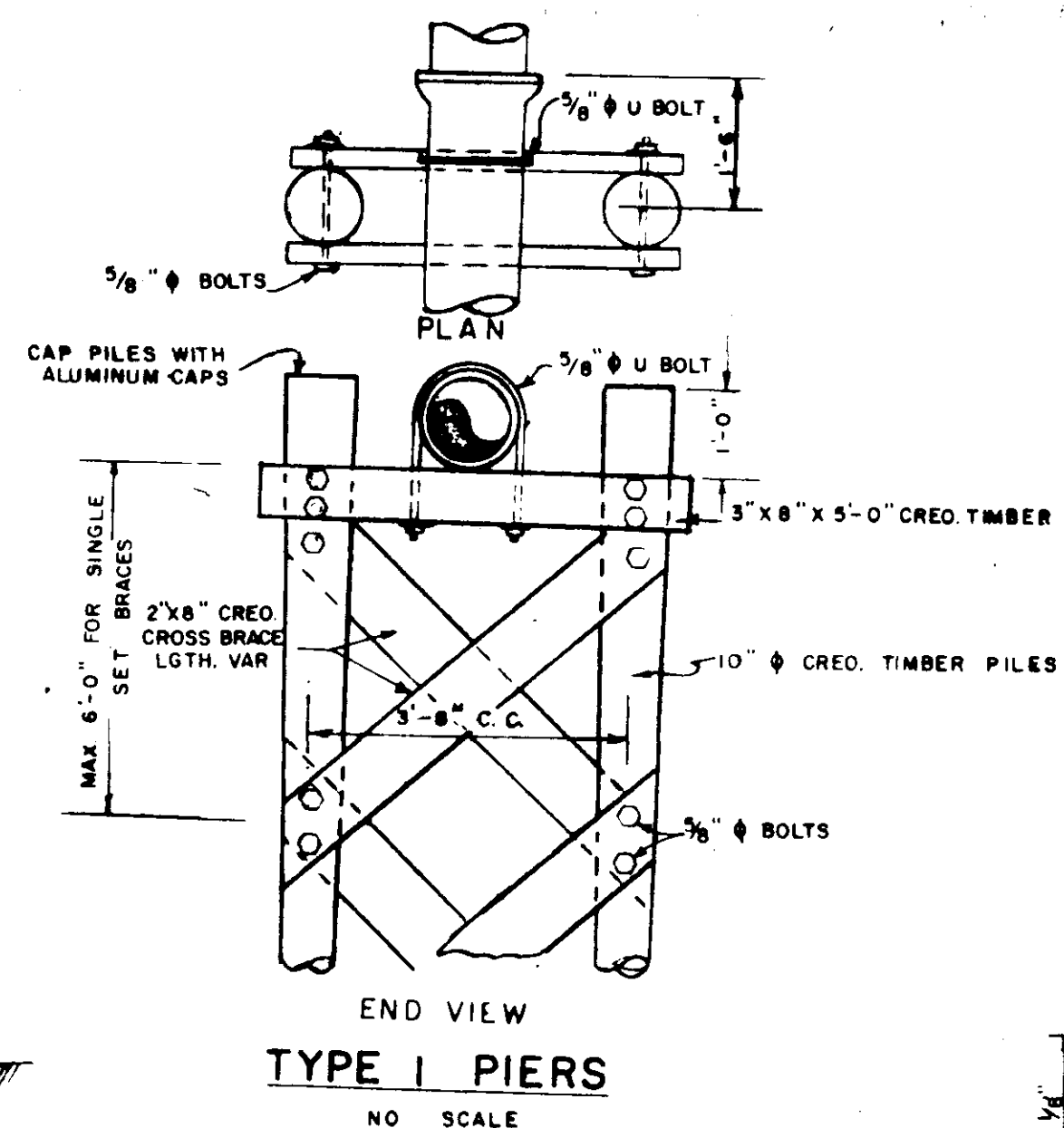


**SHALLOW SERVICES CONNECTIONS**

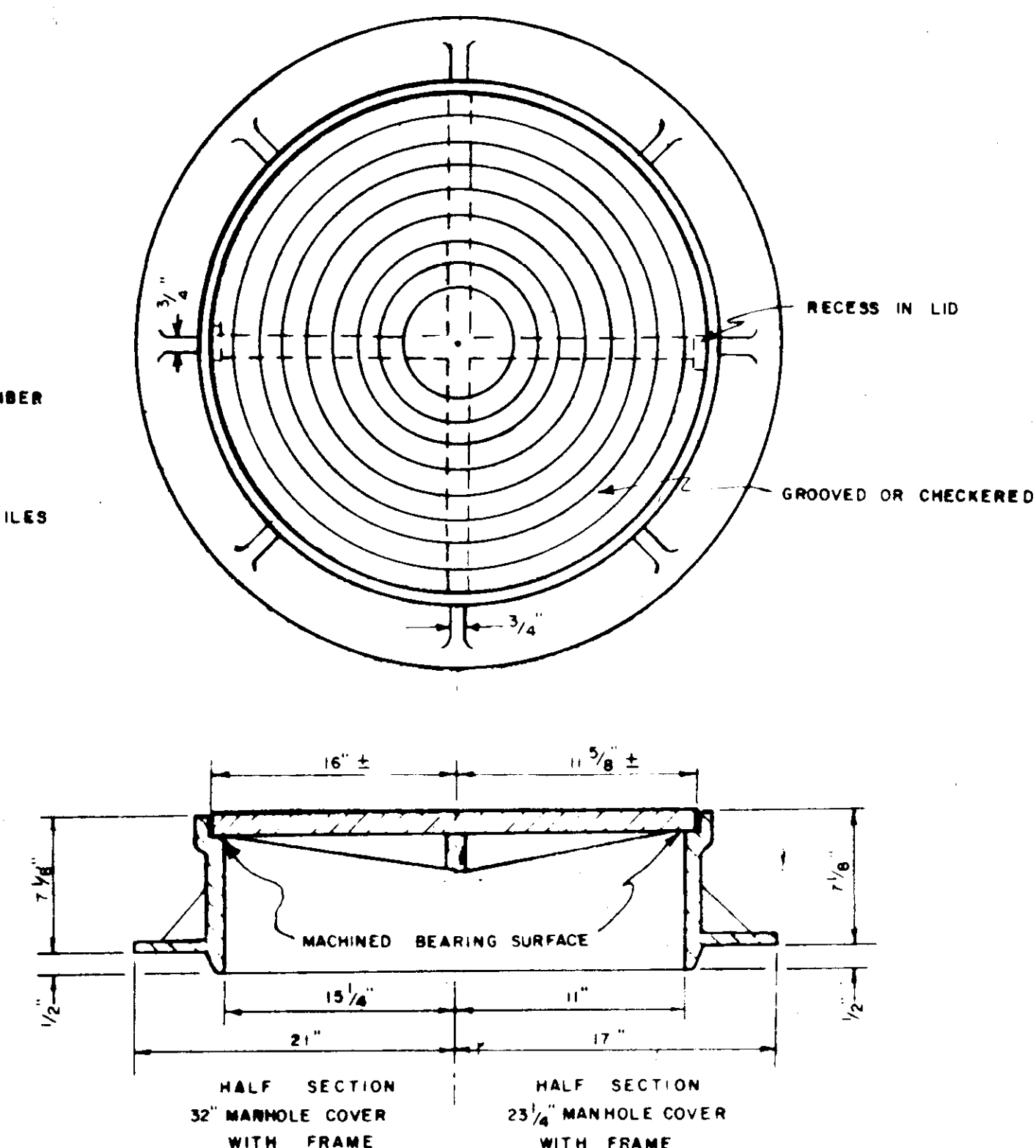
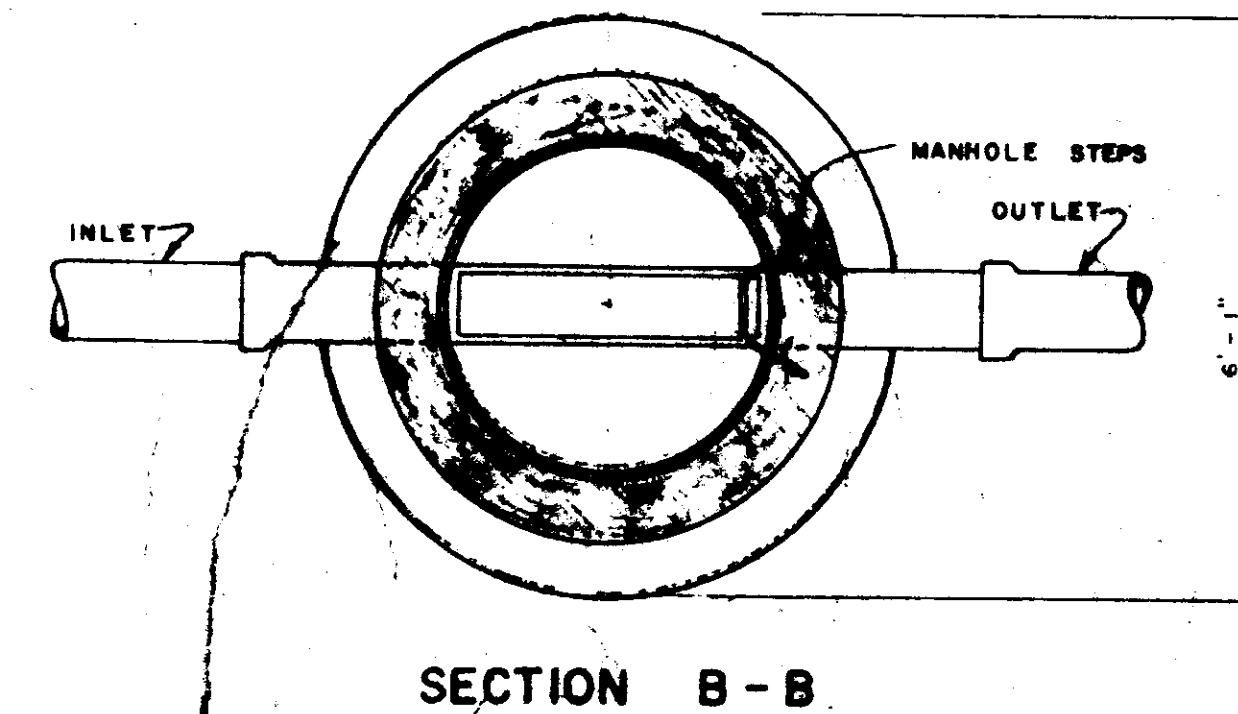
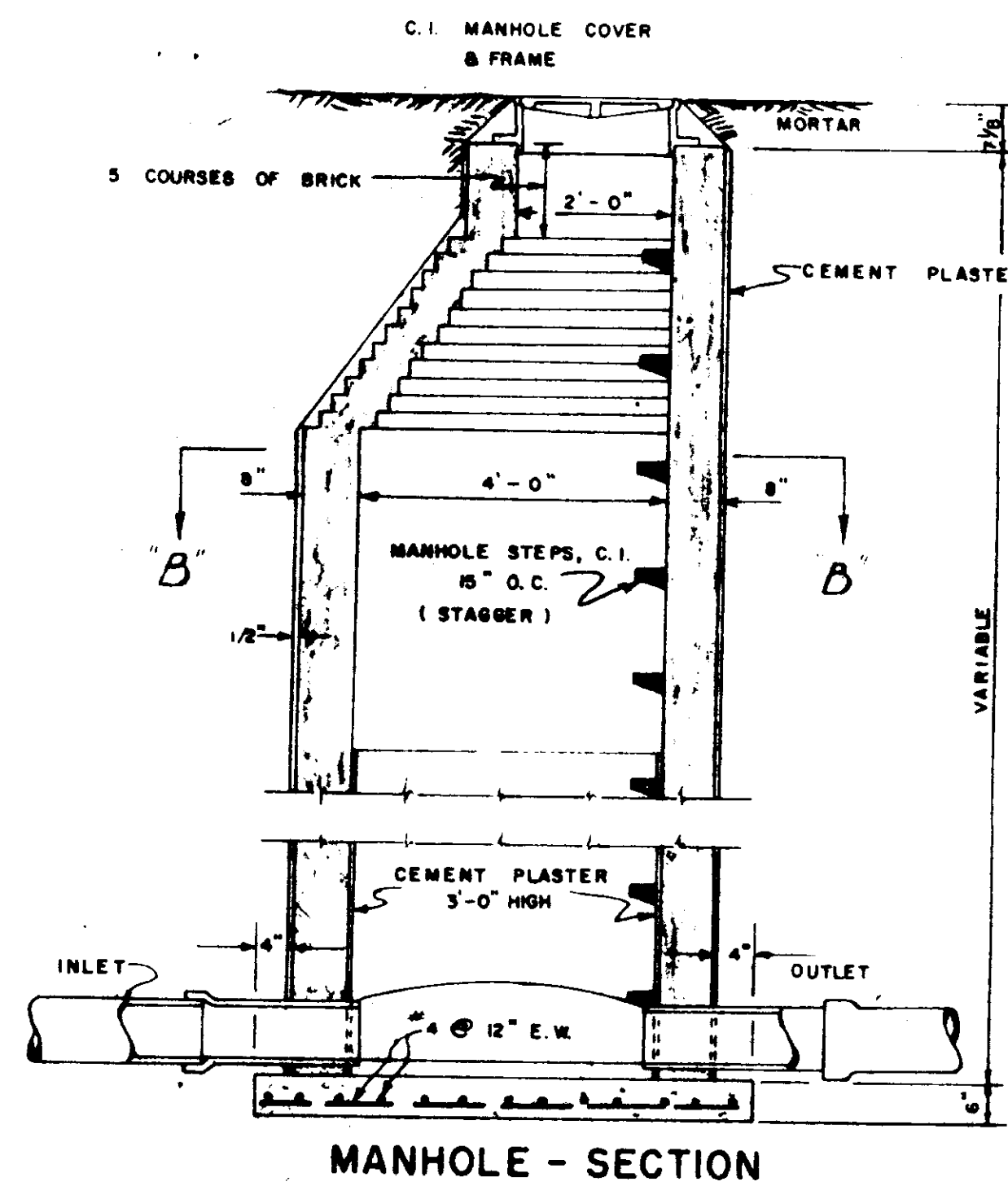


**DEEP SERVICE CONNECTIONS**

NOTE APPLIES TO CUTS OVER 8'-0"

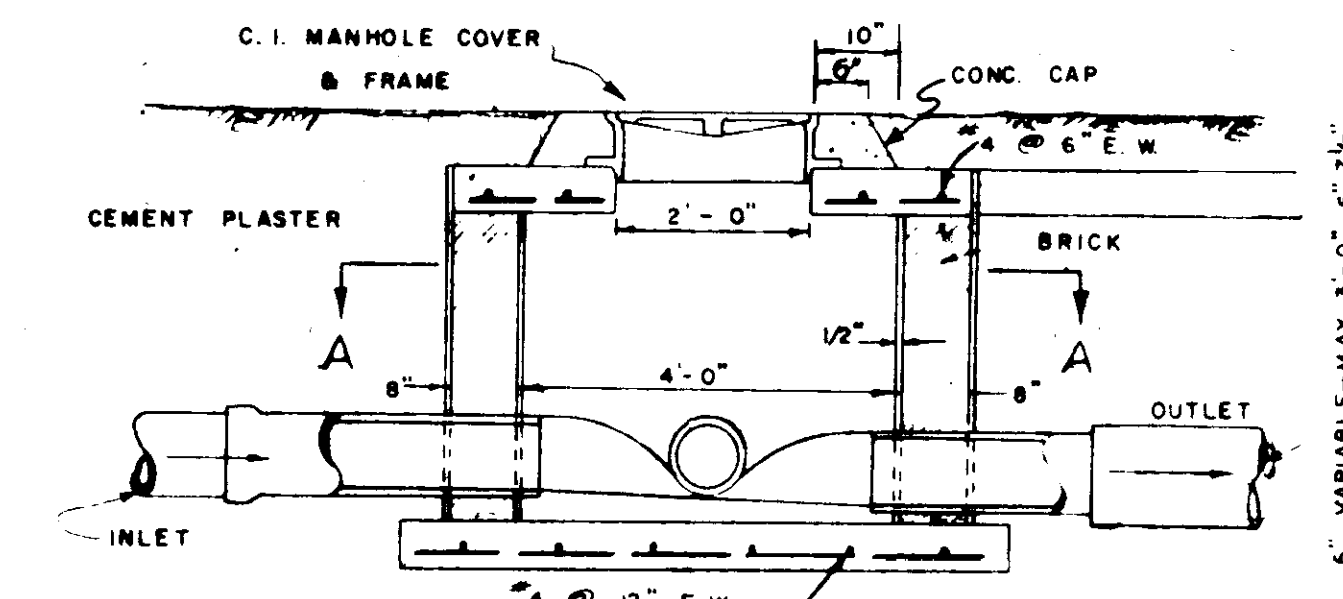


PIPE SIZE	RCP SIZE
4"	8"
6"	12"
8"	15"
10"	18"

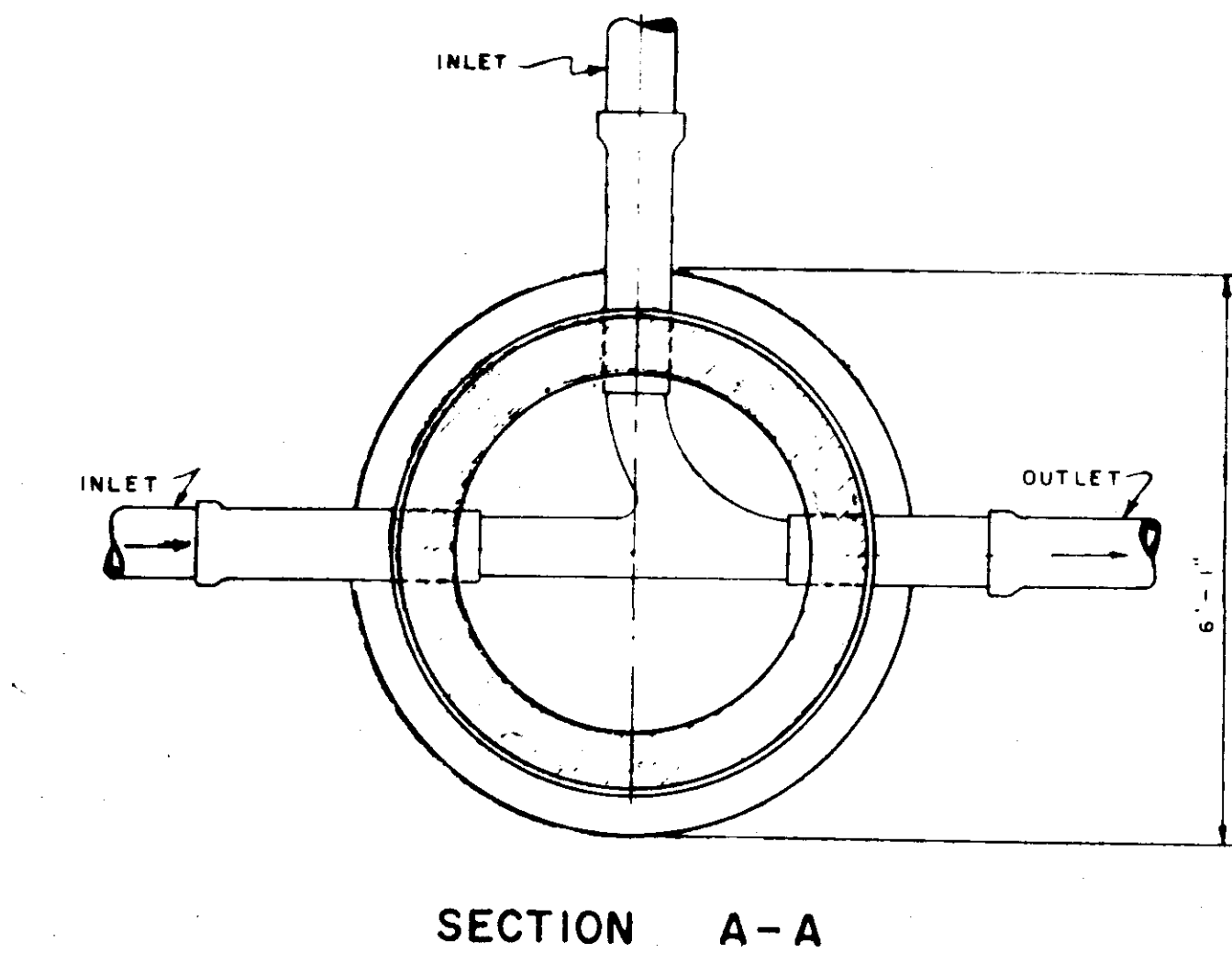


**STANDARD MANHOLE FRAME & COVER**

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



**SHALLOW MANHOLE - SECTION**



**STANDARD DETAIL SHEET**  
**SEWERAGE**

SCALE NONE	DESIGNED BY T.S.B.	DRAWN BY
DATE FEB. 1979	APPROVED BY T.S.B.	JOB NO.
<b>RIDGELAND, MISS.</b>		
<b>BARTH &amp; ASSOCIATES, INC.</b> CONSULTING ENGINEERS JACKSON, MISSISSIPPI		DRAWING NO. <b>SD-2</b>

TYPICAL TRENCH	GRAVEL SUBGRADE	CONCRETE CRADLE	CONCRETE ENCASEMENT	SHELL SUBGRADE
QUANTITY CY/FT.	QUANTITY CY/FT.	QUANTITY CY/FT.	QUANTITY CY/FT.	QUANTITY CY/FT.
6" - 0.060	6" - 0.030	6" - 0.079	6" - 0.080	6" - 0.060
8" - 0.068	8" - 0.034	8" - 0.095	8" - 0.088	8" - 0.068
10" - 0.076	10" - 0.038	10" - 0.112	10" - 0.096	10" - 0.076
12" - 0.084	12" - 0.041	12" - 0.131	12" - 0.108	12" - 0.084
14" - 0.092	14" - 0.045	14" - 0.150	14" - 0.126	14" - 0.092
16" - 0.100	16" - 0.049	16" - 0.169	16" - 0.144	16" - 0.100
18" - 0.108	18" - 0.053	18" - 0.188	18" - 0.162	18" - 0.108
20" - 0.116	20" - 0.057	20" - 0.207	20" - 0.180	20" - 0.116
22" - 0.124	22" - 0.061	22" - 0.226	22" - 0.198	22" - 0.124
24" - 0.132	24" - 0.065	24" - 0.245	24" - 0.216	24" - 0.132

