



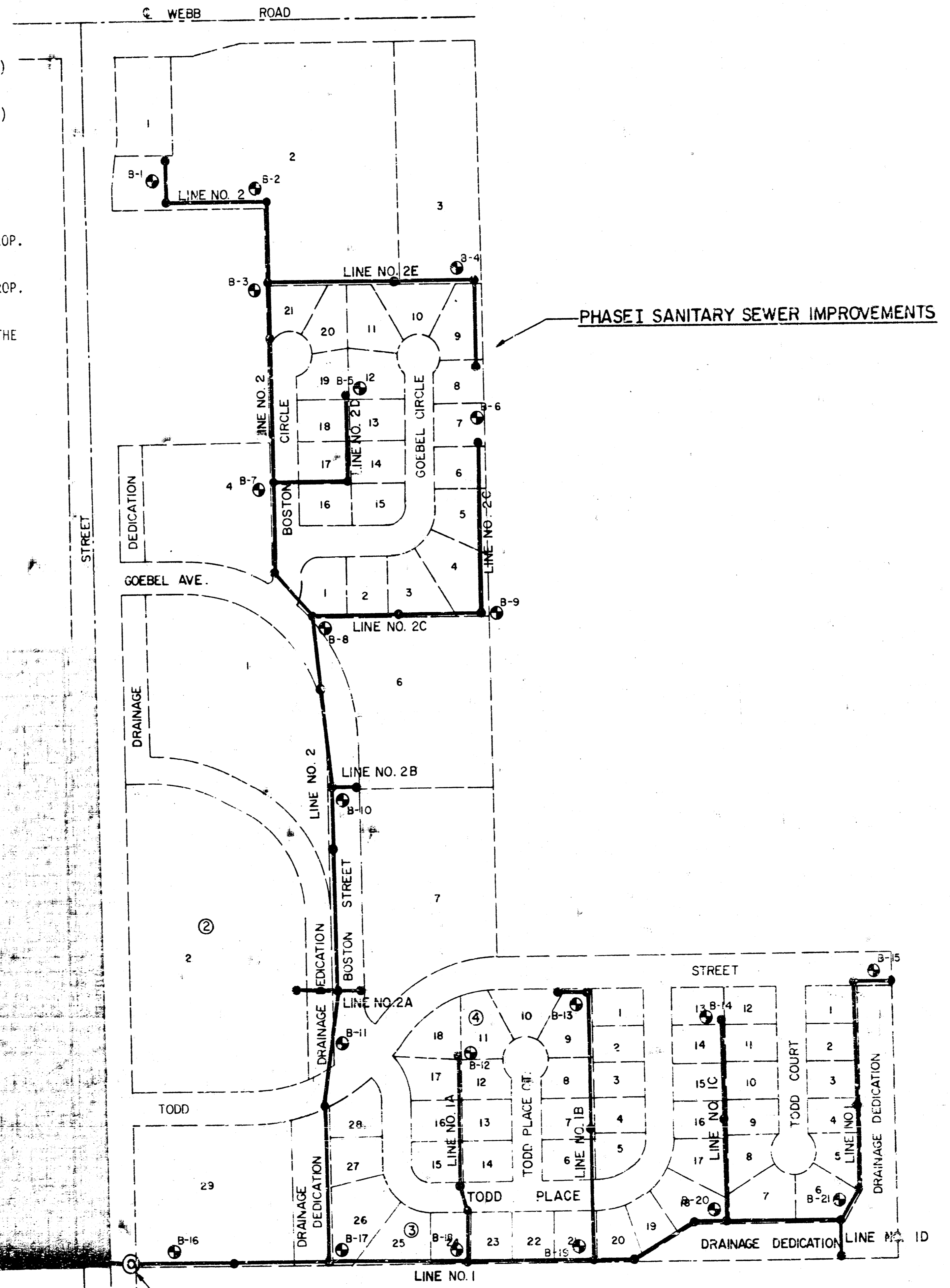
**GENERAL NOTES**

1. THE CONTRACTOR SHALL CONTAIN HIS OPERATIONS TO PERMIT TRAFFIC THROUGH AND ACROSS CONSTRUCTION ON HARRY STREET AT ALL TIMES. THE CONTRACTOR SHALL ERECT WARNING SIGNS, FLASHING LIGHTS, AND BARRICADES TO ENSURE SAFETY AS DIRECTED IN ARTICLE 18 OF THE GENERAL CONDITIONS. THE CONTRACTOR SHALL LIMIT THE EXTENT OF TRENCH TO REMAIN OPEN OVERNIGHTS AND WEEKENDS TO LESS THAN 50 FEET.
2. THE CONTRACTOR WILL BE REQUIRED TO NOTIFY EACH OF THE FOLLOWING UTILITY COMPANIES PRIOR TO THE BEGINNING OF CONSTRUCTION AND SHOULD REQUEST THAT ANY EXISTING LINES BE FLAGGED:
  - KANSAS GAS & ELECTRIC COMPANY  
1900 EAST CENTRAL  
264-1111 (Ext. 248) JERRY LANE
  - GAS SERVICE COMPANY  
1021 EAST 26th STREET NORTH  
263-7511 ENGINEERING DEPARTMENT
  - CITY OF WICHITA WATER DEPARTMENT  
455 NORTH MAIN  
268-4557 BENNY GEGEN
  - SOUTHWESTERN BELL TELEPHONE COMPANY  
154 NORTH BROADWAY  
262-5500
3. THE CONTRACTOR MUST ALSO NOTIFY THE TELEPHONE COMPANY 24 HOURS PRIOR TO BEGINNING ANY CONSTRUCTION WORK NEAR BURIED TELEPHONE LINES.
4. WHERE REMOVAL OF EXISTING FENCES PARALLEL TO THE CONSTRUCTION IS DEEMED NECESSARY BY THE CONTRACTOR, THE CONTRACTOR SHALL COORDINATE REMOVAL WITH ADJACENT PROPERTY OWNERS. ALL REMOVAL AND RESETTling OF FENCES WILL NOT BE PAID FOR SEPARATELY AND SHALL BE CONSIDERED SUBSIDIARY TO THE INSTALLATION OF THE PIPE.

**BENCH MARK LIST**

- B.M. #1 R.P. SPIKE IN POWER POLE ON THE S. SIDE OF HARRY ST. AT THE E. LINE OF PARK MEADOW ESTATES. ELEV. 1343.99 (MSL)
- B.M. #2 SPIKE STEP IN POWER POLE ON E. LINE OF PARK MEADOW ESTATES, 540' ± N. OF CENTERLINE OF HARRY ST. ELEV. 1342.54 (MSL)
- B.M. #3 SPIKE STEP IN POWER POLE ON E. LINE OF PARK MEADOW ESTATES, 810' ± N. OF CENTERLINE OF HARRY ST. ELEV. 1342.23 (MSL)
- B.M. #4 SPIKE STEP IN POWER POLE ON E. LINE OF PARK MEADOW ESTATES, 1125' ± N. OF CENTERLINE OF HARRY ST. ELEV. 1341.94 (MSL)
- B.M. #5 SPIKE STEP IN POWER POLE ON E. LINE OF PARK MEADOW ESTATES, 1410' ± N. OF THE CENTERLINE OF HARRY ST. ELEV. 1343.88 (MSL)
- B.M. #6 SPIKE STEP IN POWER POLE ON E. LINE OF PARK MEADOW ESTATES, 1685' ± N. OF THE CENTERLINE OF HARRY ST. ELEV. 1346.79 (MSL)
- B.M. #8 CHISELED SQUARE ON N.W. COR. R.C.B. APPROX. 1600' E. OF THE CENTERLINE OF WEBB RD. AND HARRY ST. ELEV. 1351.42 (MSL)
- B.M. #9 TOP OF IRON PIN ON THE S. LINE OF BOSTON ST. AT THE P.C. OF THE CURVE TO THE SOUTH. ELEV. 1350.85 (MSL)
- B.M. #10 TOP OF IRON PIN AT THE N.E. CORNER OF MAMMOTH CAVE SCHOOL PROP. ELEV. 1354.17 (MSL)
- B.M. #11 TOP OF IRON PIN AT THE N.W. CORNER OF MAMMOTH CAVE SCHOOL PROP. ELEV. 1355.12 (MSL)
- B.M. #12 STD. CITY OF WICHITA BENCH MARK DISC, 48' S. AND 46' W. OF THE CENTERLINE OF WEBB RD. AND HARRY ST. ELEV. 1359.03 (MSL)

SEWER LINE SCHEDULE	
LINE NO.	SHEET NO.
1	5
1A	6
1B	6
1C	6
1D	6
2	7-8
2A	7
2B	7
2C	8-9
2D	9
2E	9

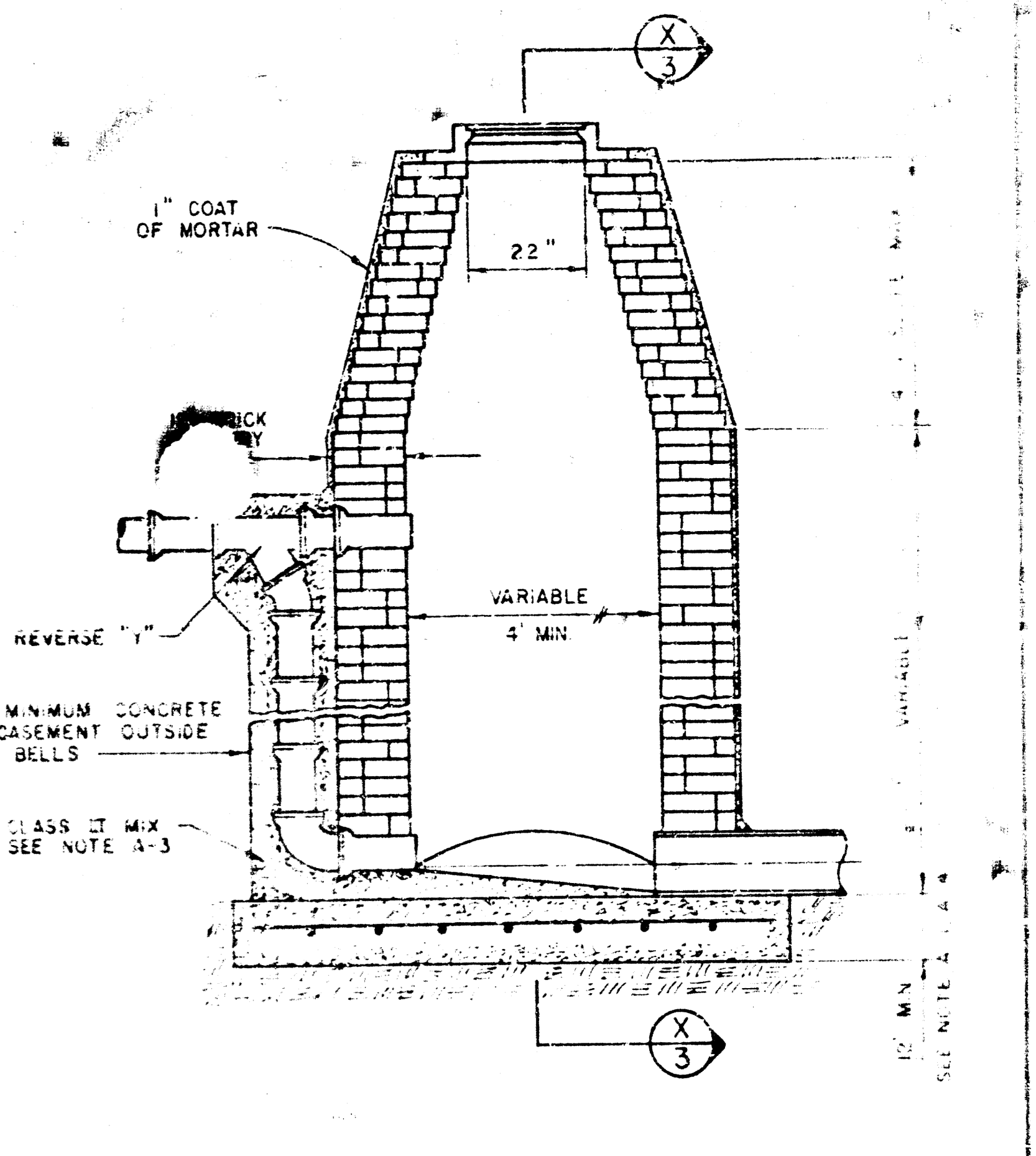
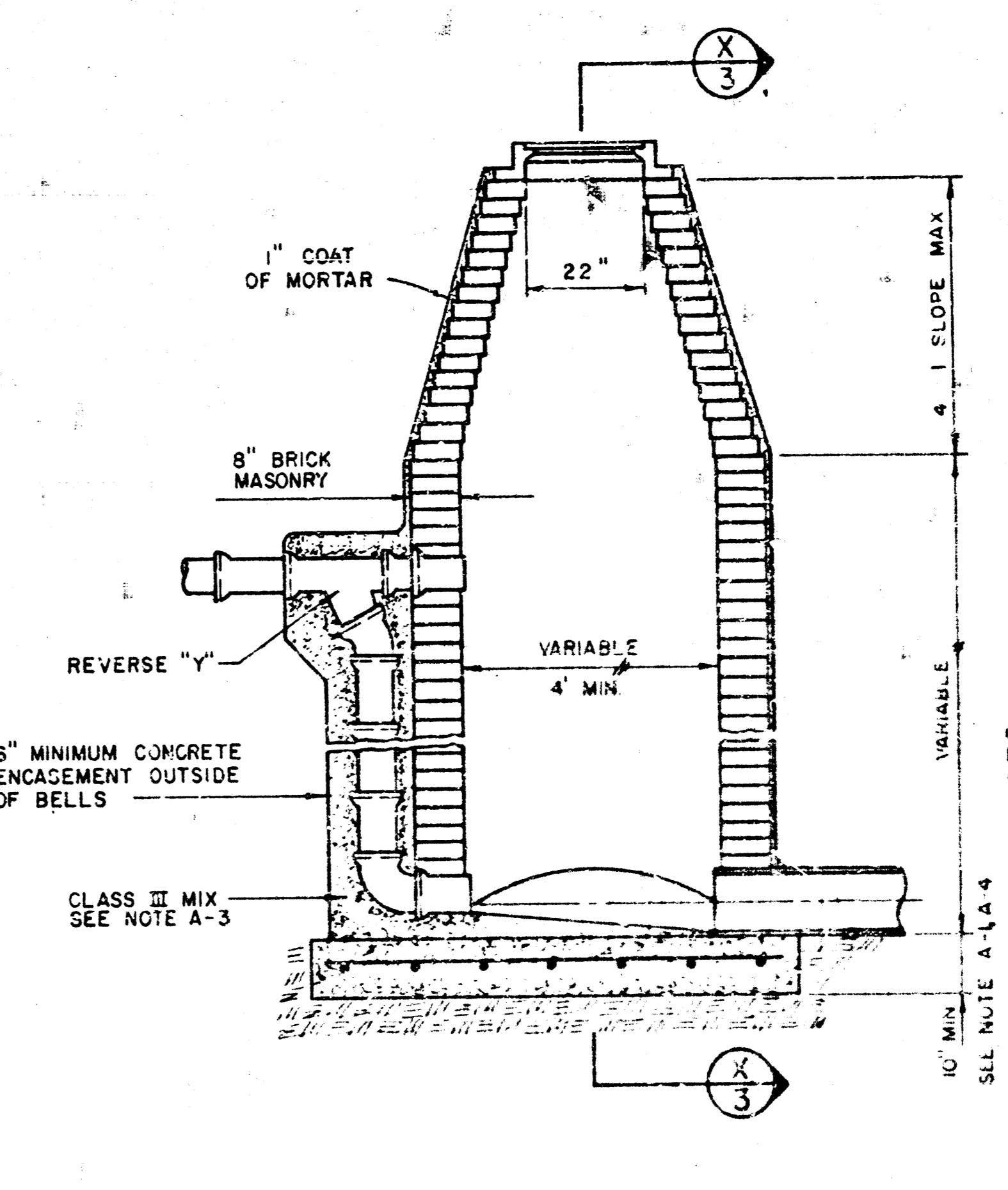
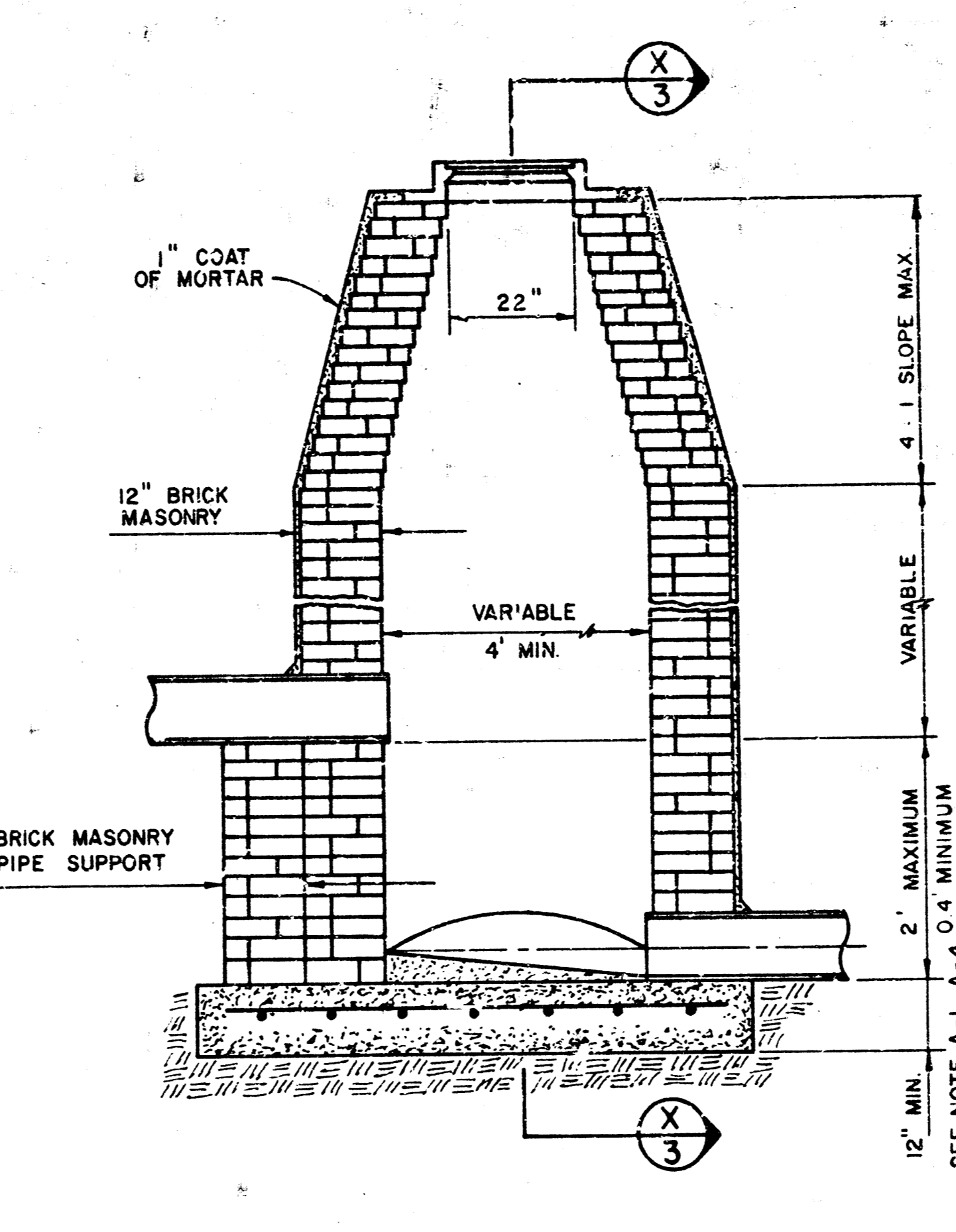
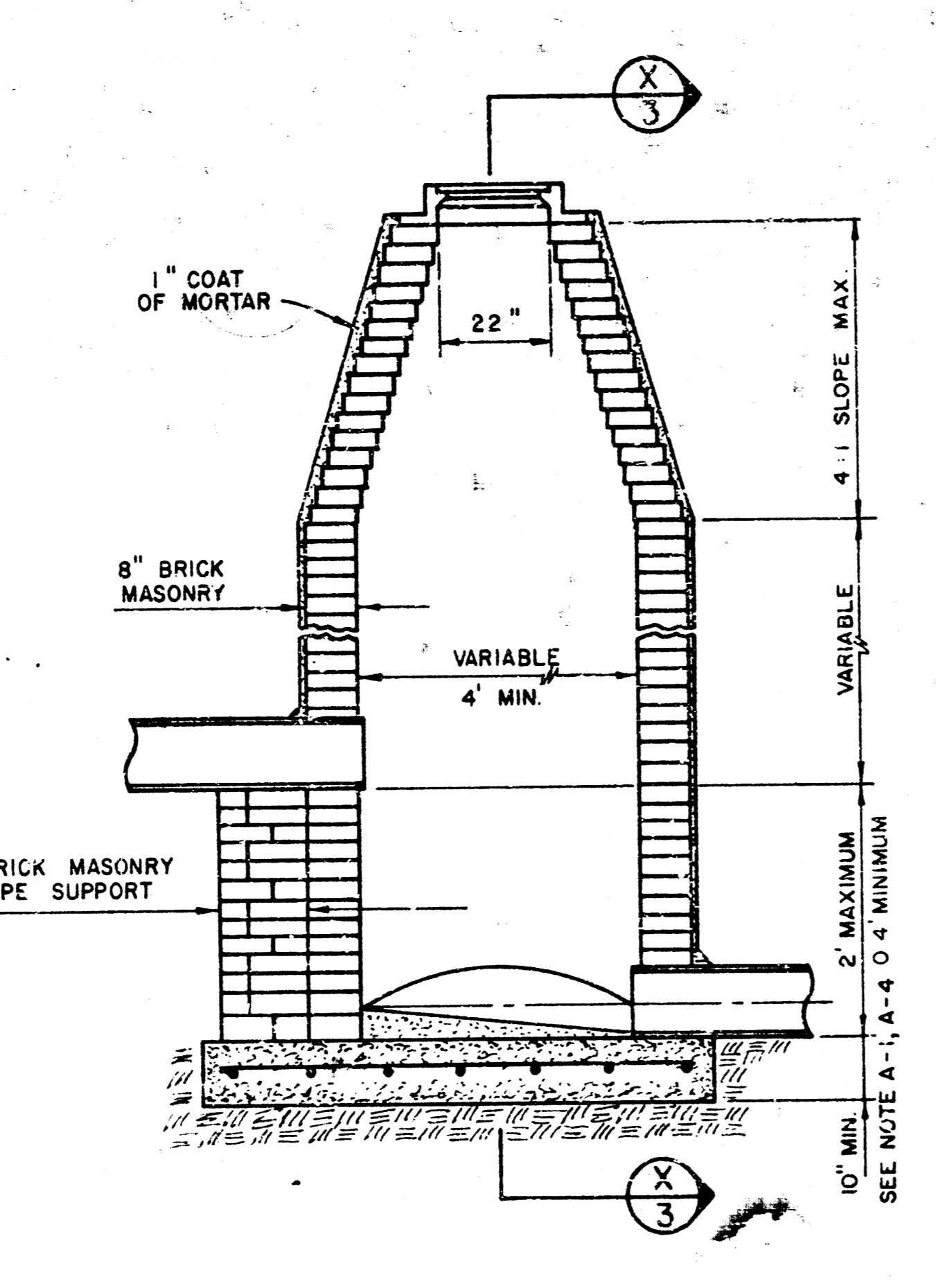
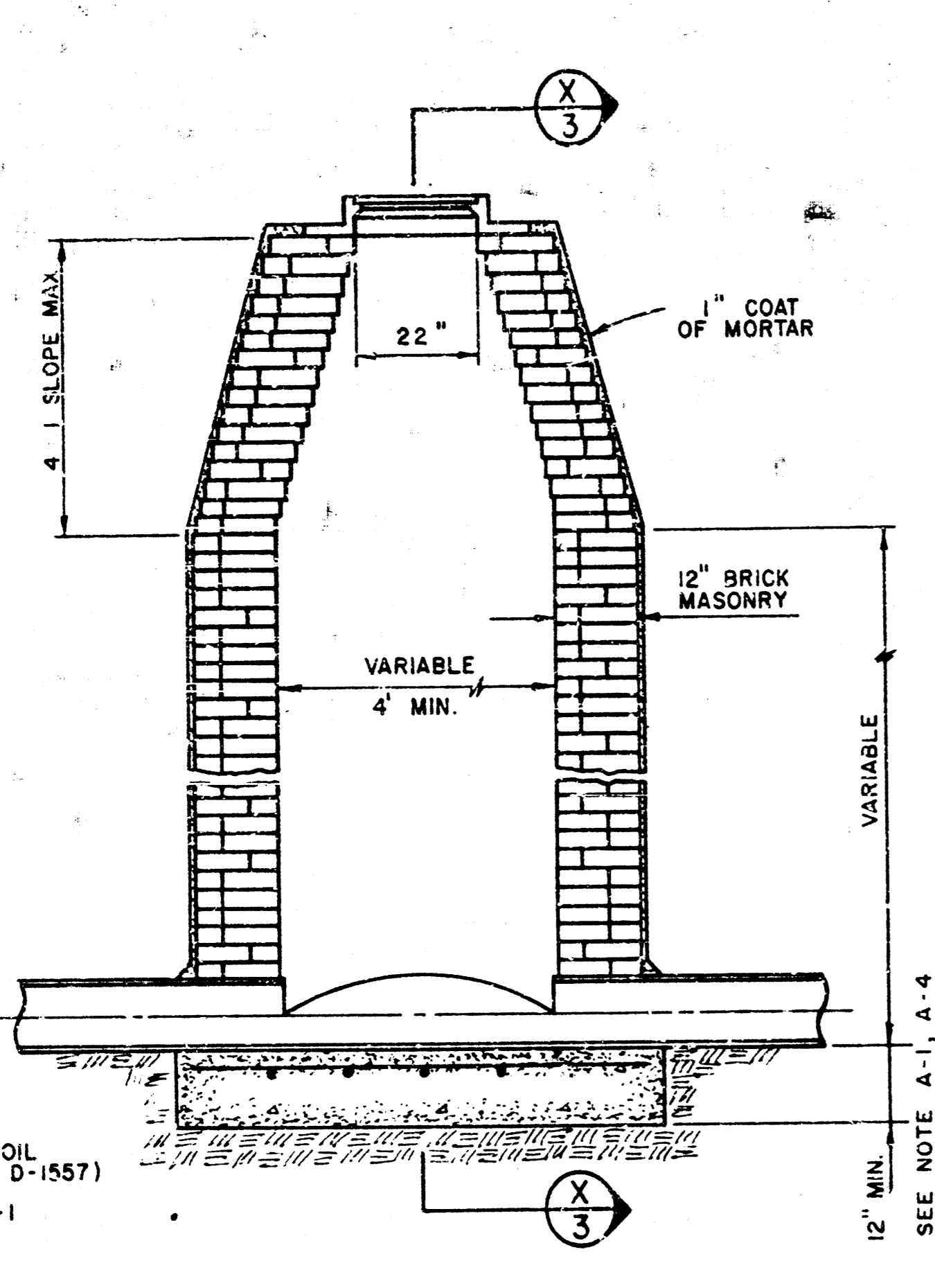
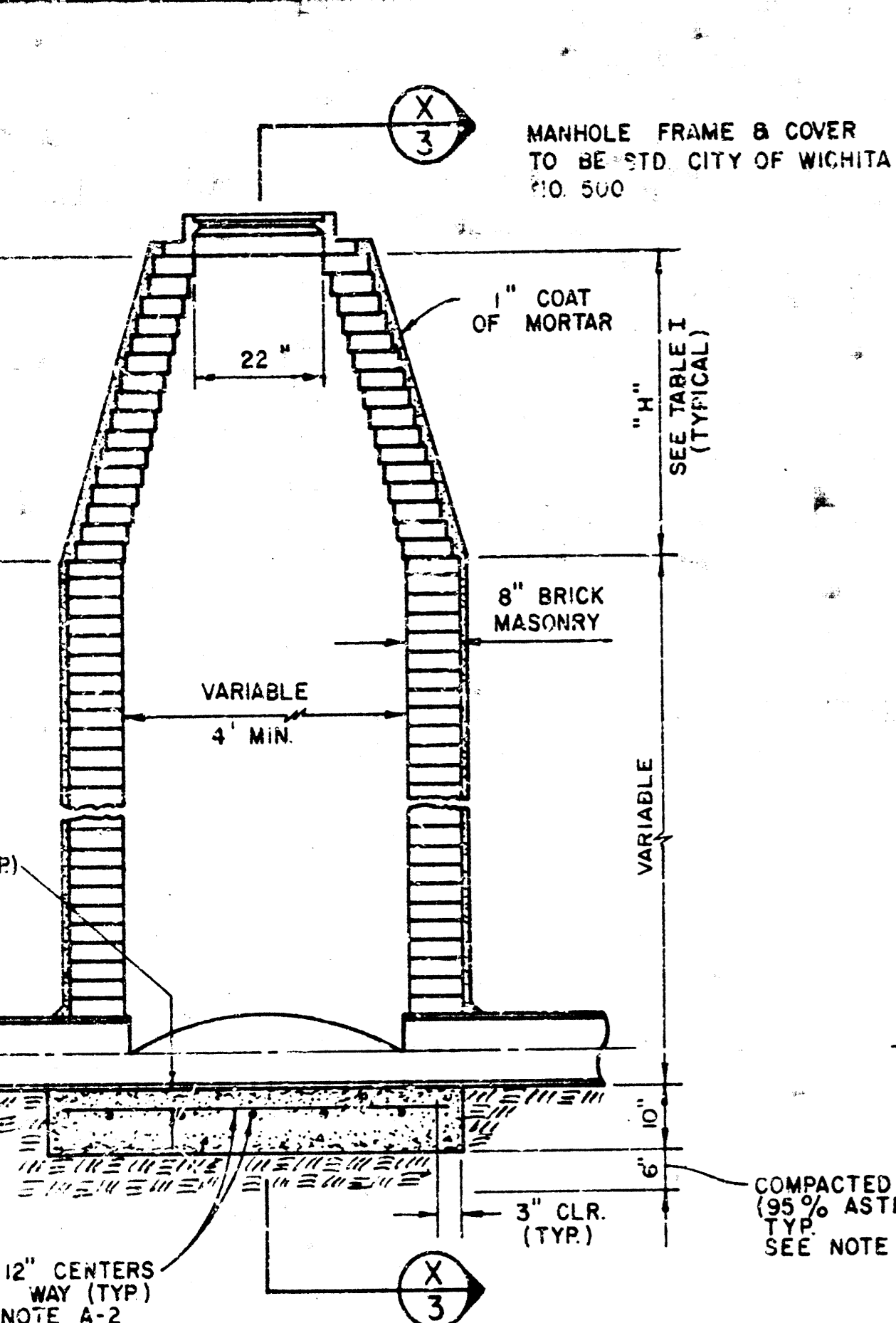


PHASE I SANITARY SEWER IMPROVEMENTS

FUTURE LIFT STATION LOCATION  
(TO BE CONSTRUCTED BY OTHERS)

SCALE: 1" = 200'

No.	Revision	By	Date
SEDGWICK COUNTY DEPARTMENT OF PUBLIC WORKS G.C. McLURE, JR., P.E. DIRECTOR & COUNTY ENGINEER <b>KEY MAP &amp; SCHEDULE</b> SANITARY SEWER IMPROVEMENTS PARK MEADOW ESTATES LATERAL, SEWER DISTRICT, SEDGWICK COUNTY, KANSAS <b>PROFESSIONAL ENGINEERING CONSULTANTS, P.A.</b> ENGINEERS WICHITA, KANSAS			



STANDARD MANHOLE TYPE A

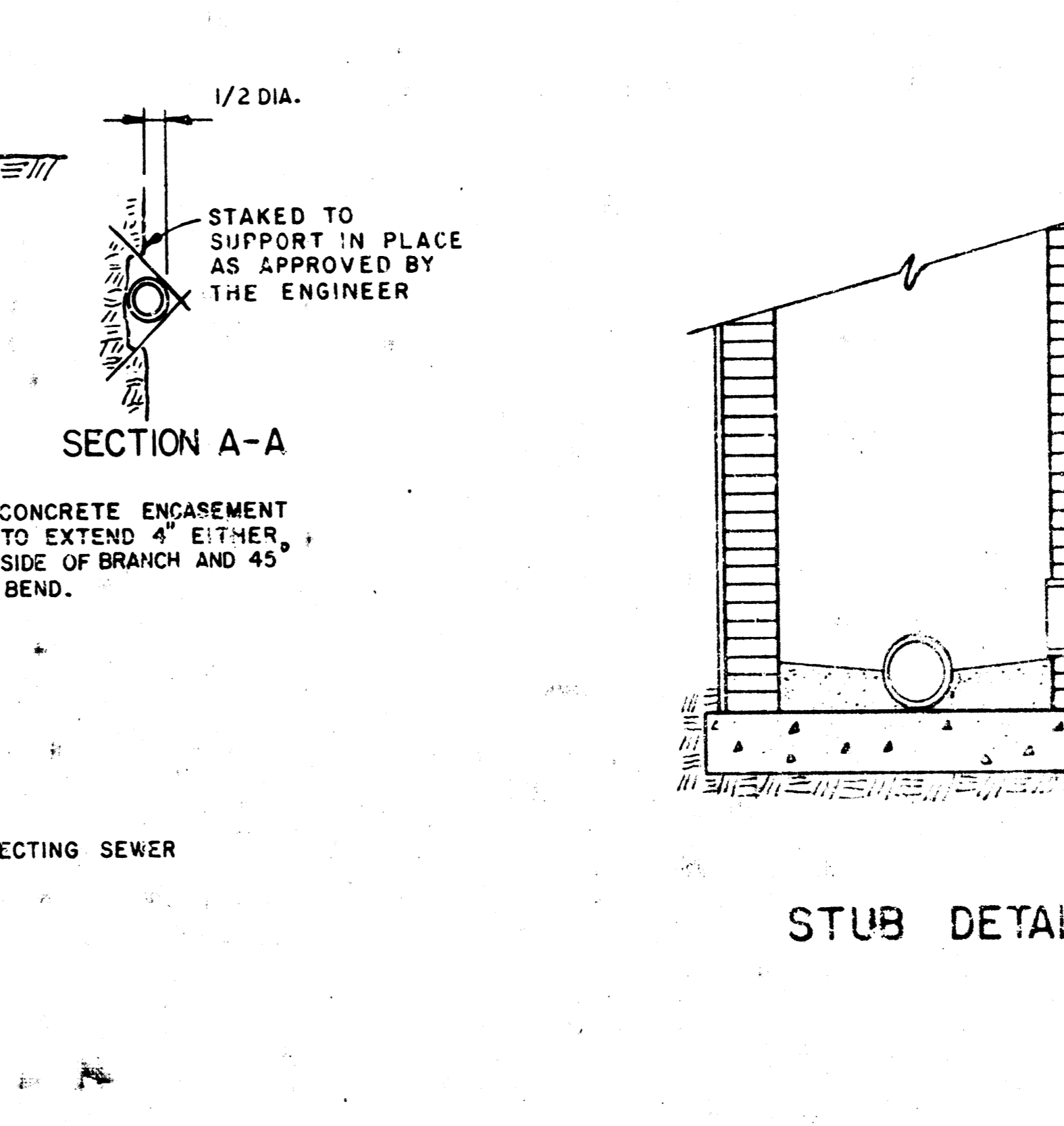
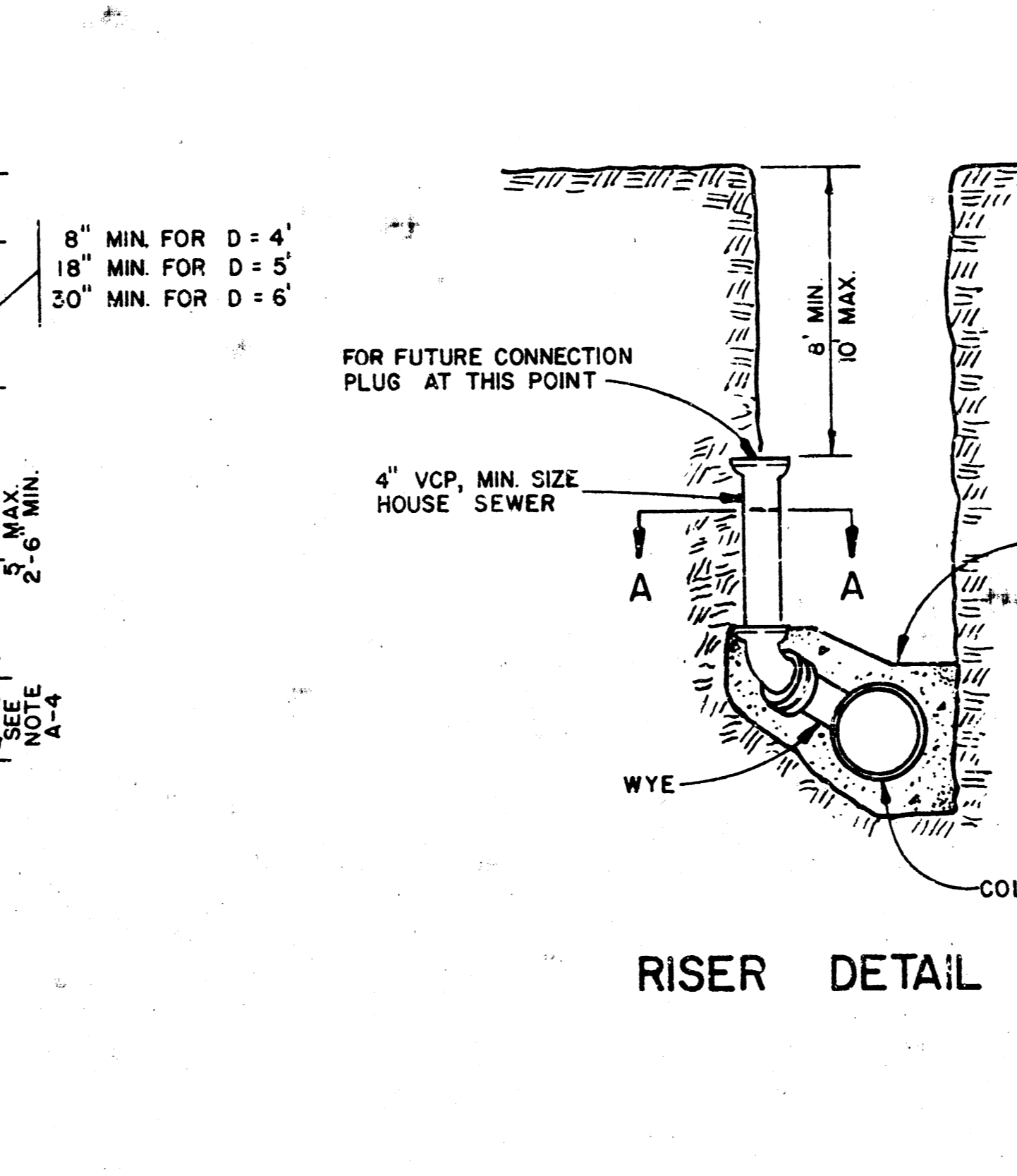
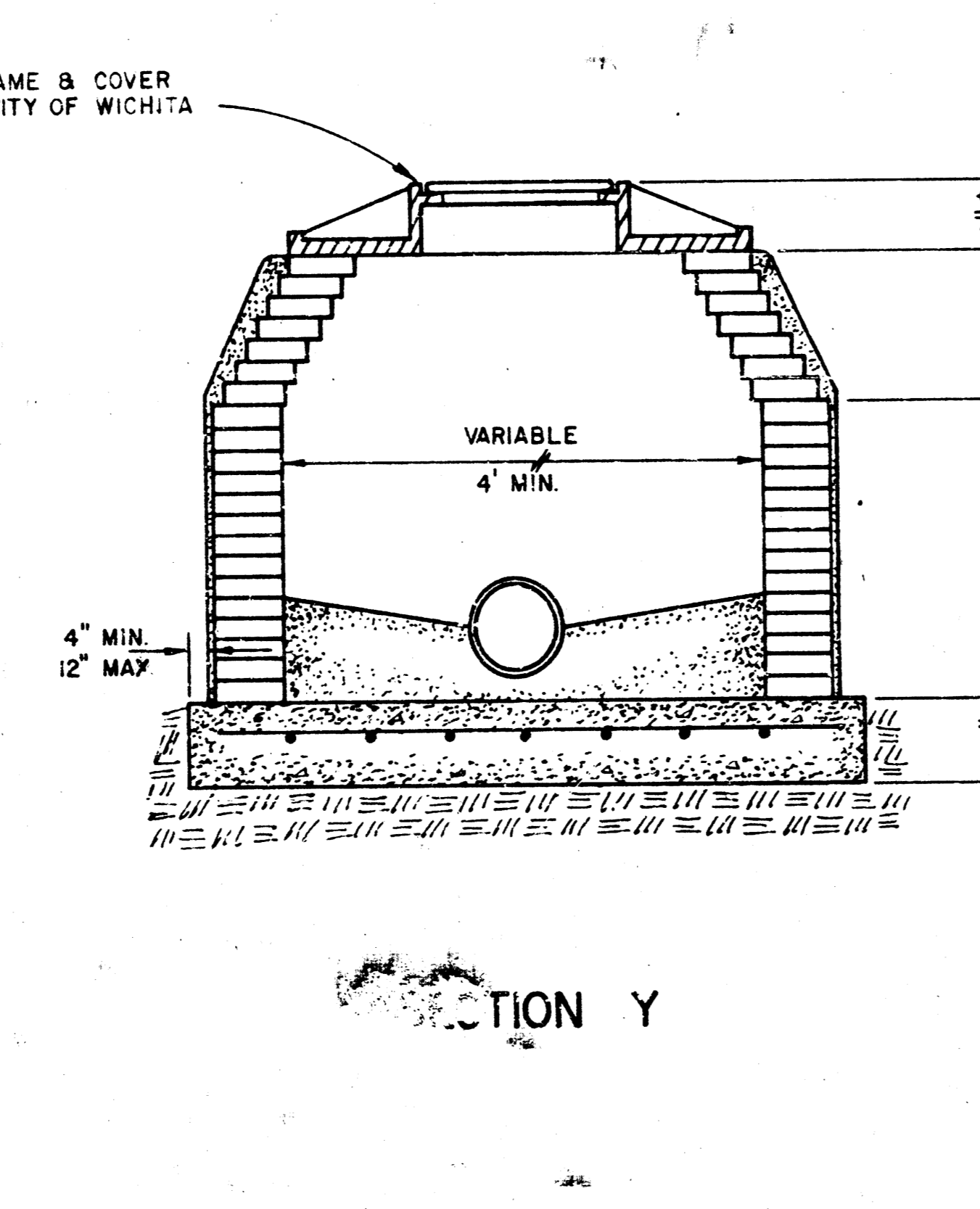
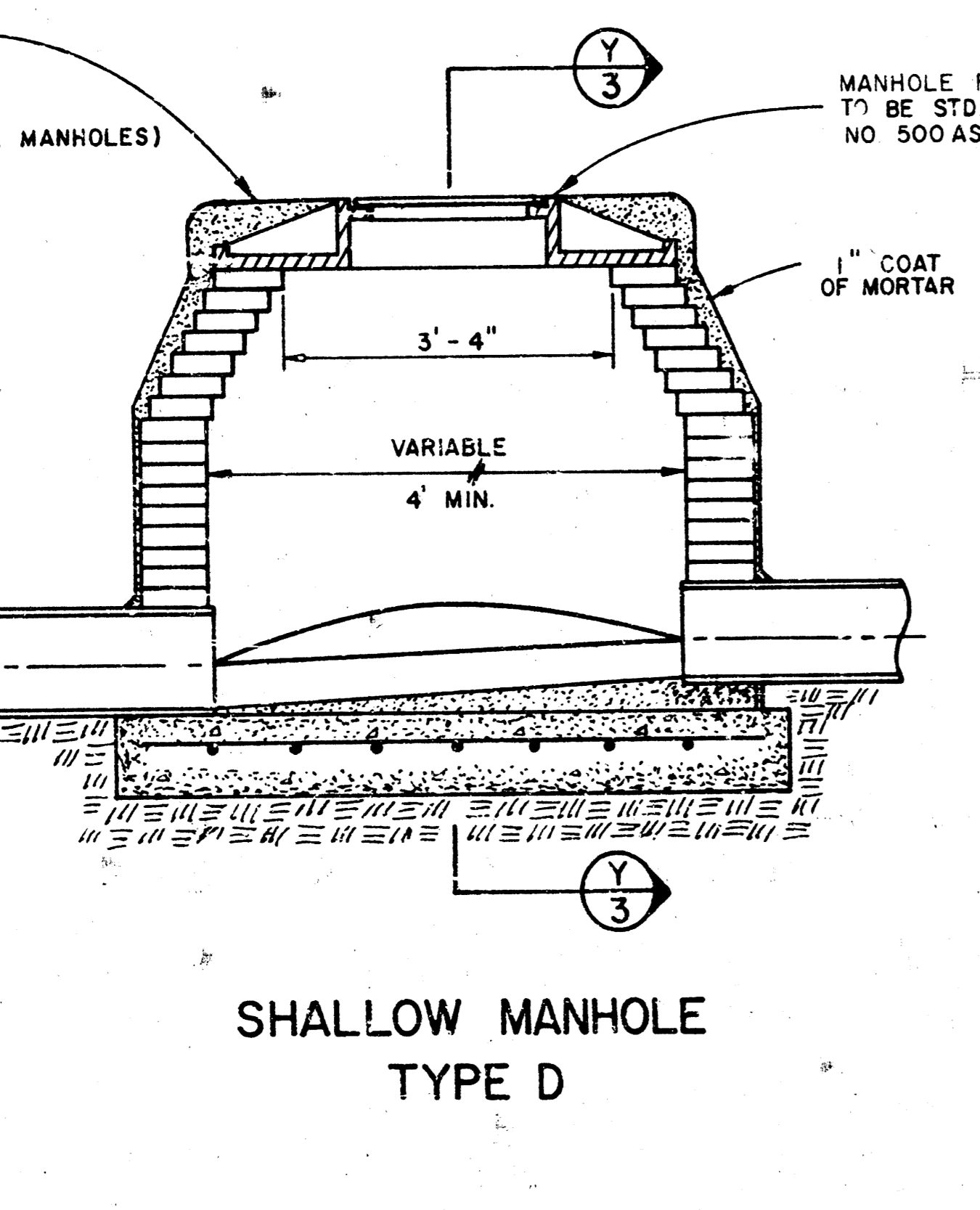
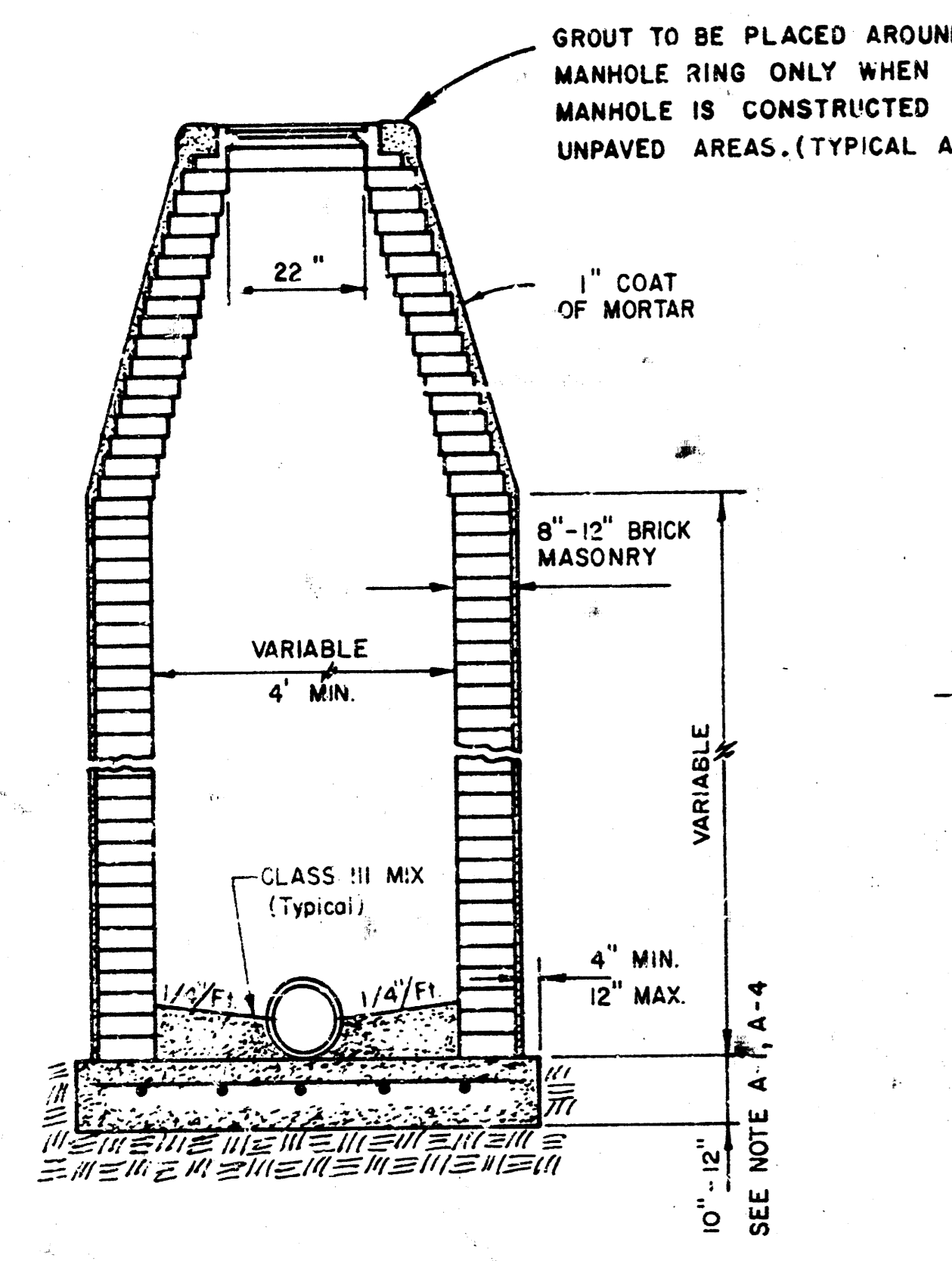
STANDARD MANHOLE TYPE AA

DROP MANHOLE TYPE B

DROP MANHOLE TYPE BB

OUTSIDE DROP MANHOLE TYPE C

OUTSIDE DROP MANHOLE TYPE CC



**NOTES**

1. IN THE OPINION OF THE ENGINEER THE MANHOLE SUBGRADE APPEARS UNSTABLE, THE CONTRACTOR SHALL INCREASE THE THICKNESS OF THE MANHOLE BELL AS DIRECTED BY THE ENGINEER.
2. REINFORCING IS REQUIRED IN ALL MANHOLE BELLS.
3. REINFORCING IS REQUIRED IN ALL MANHOLE WALLS.
4. ALL MANHOLE BELLS TO BE CLASS III MIX.

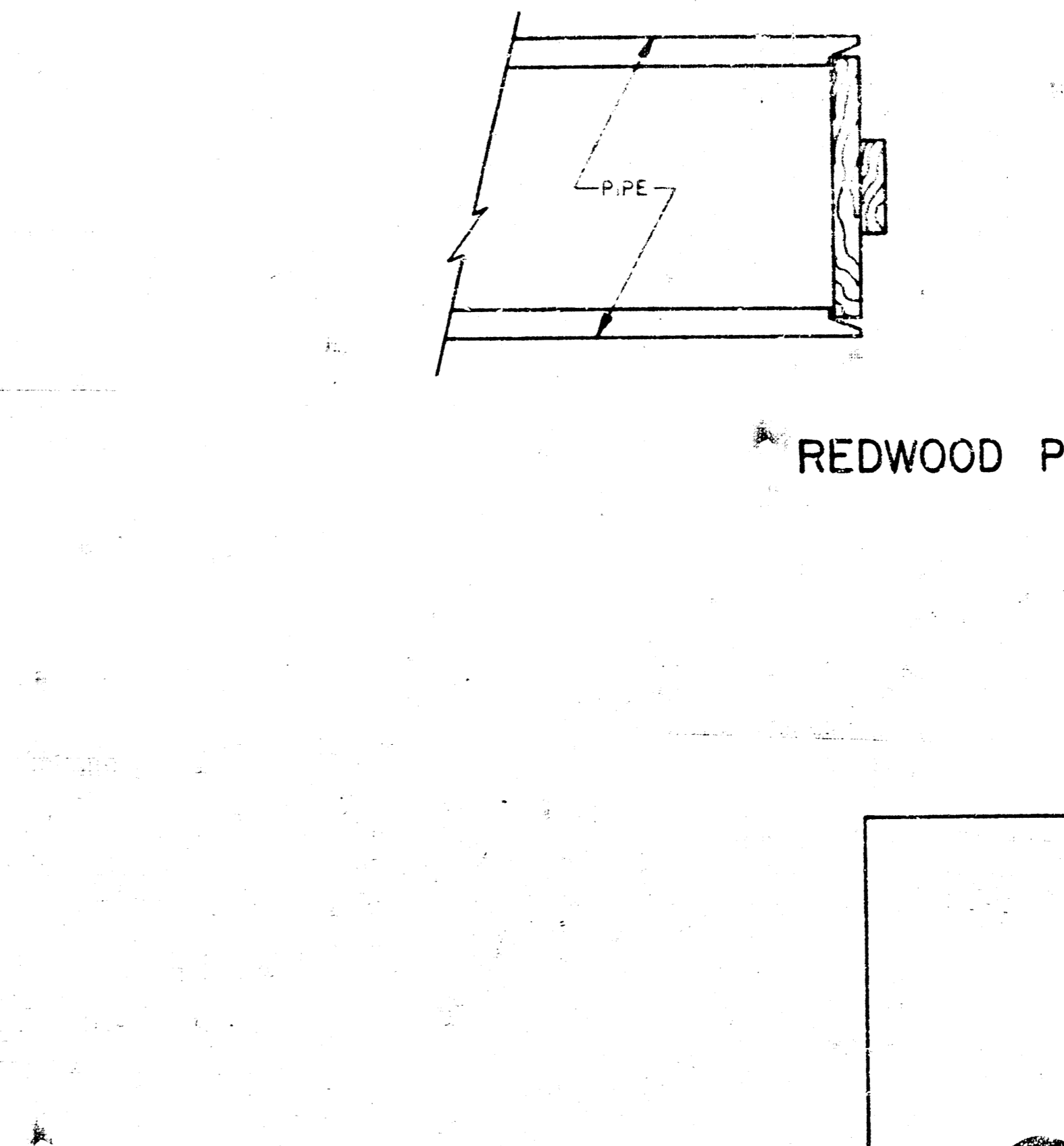
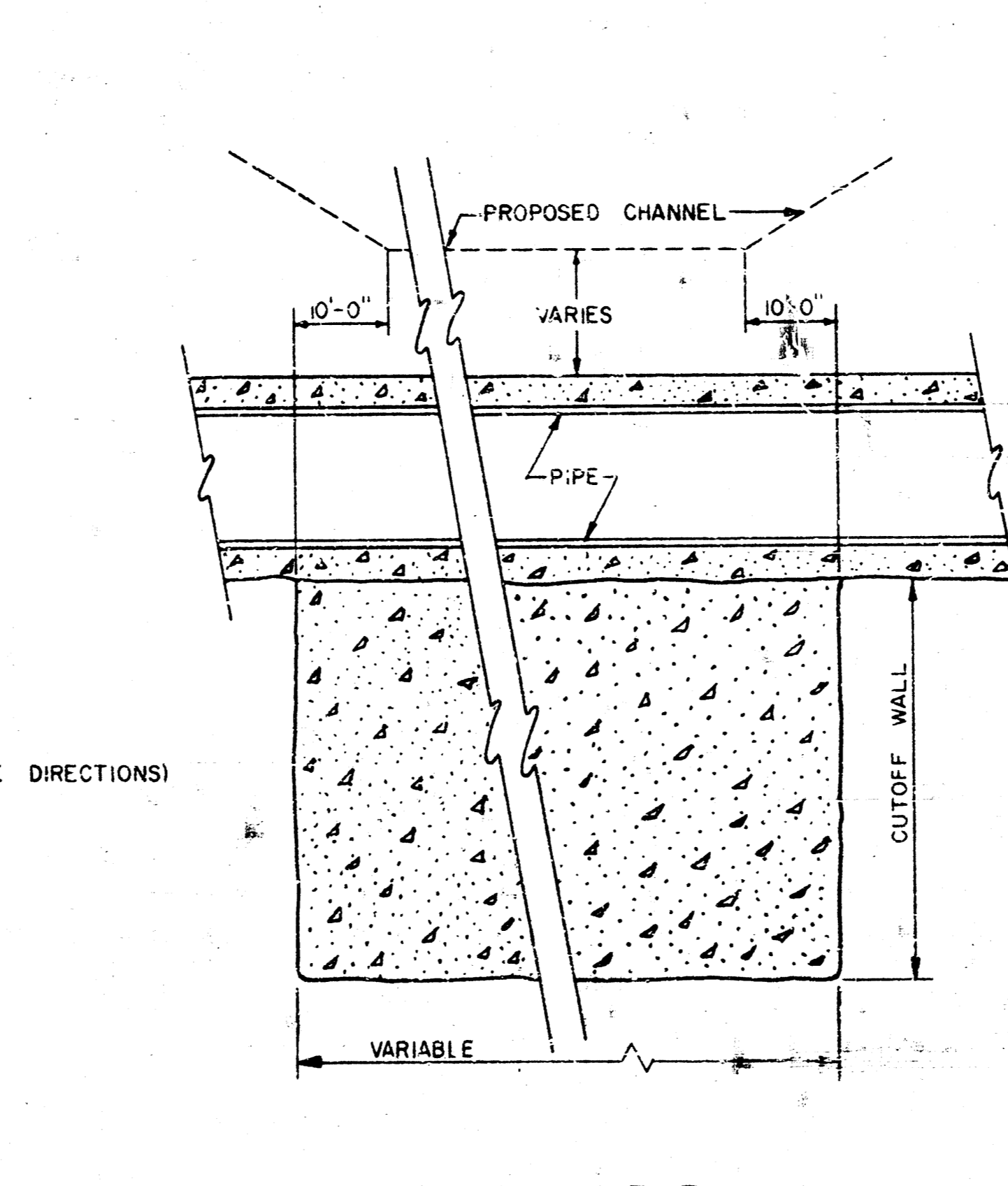
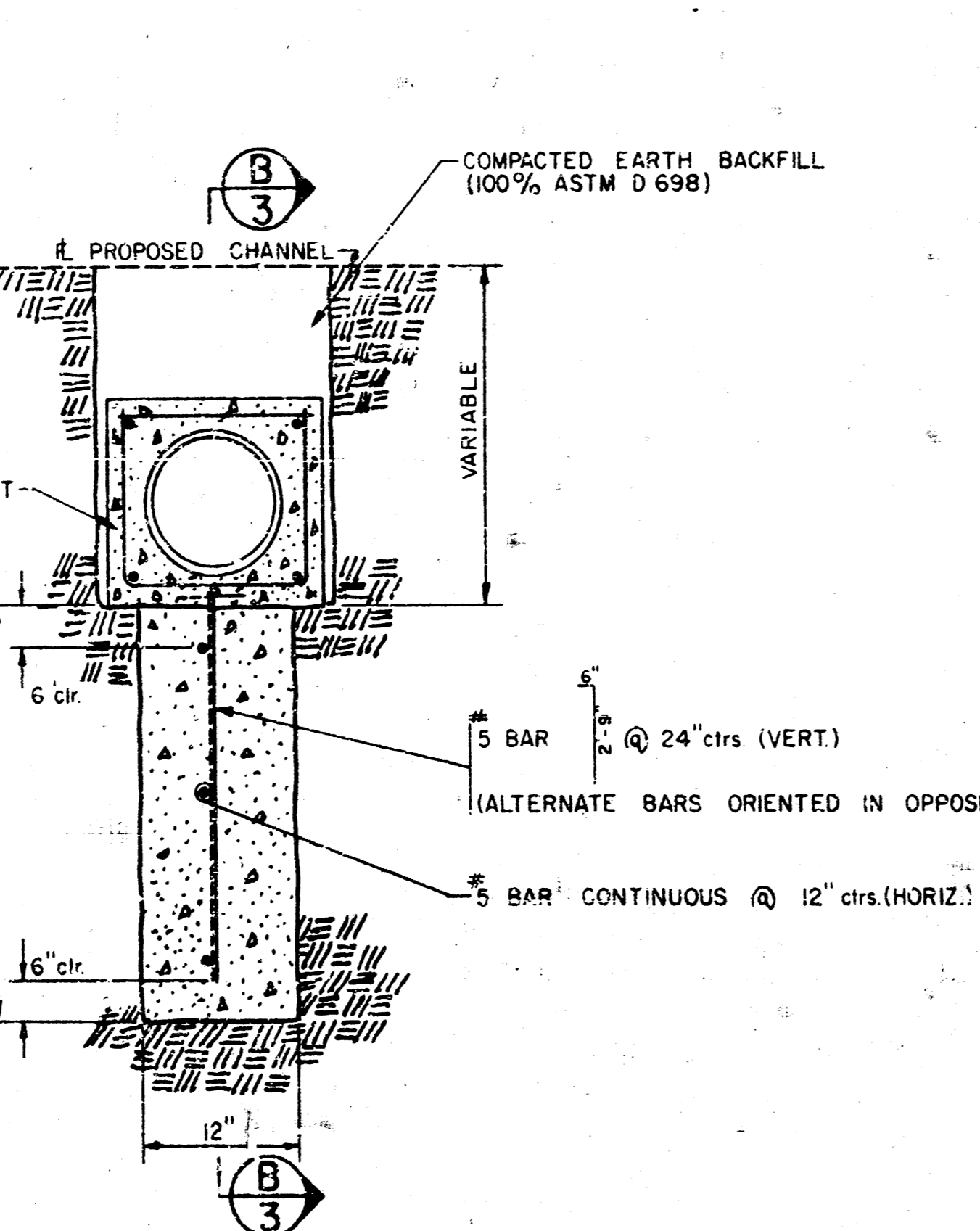
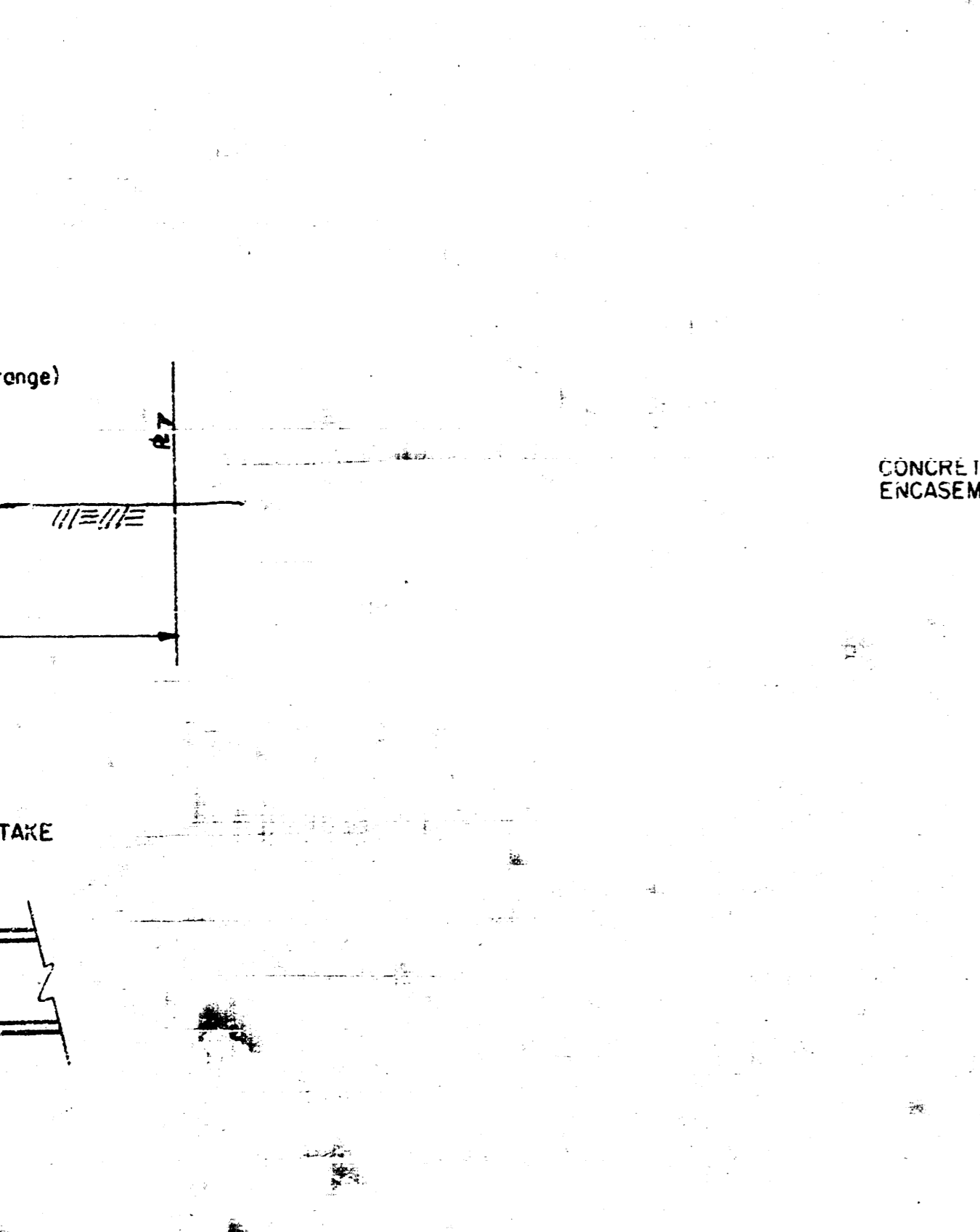
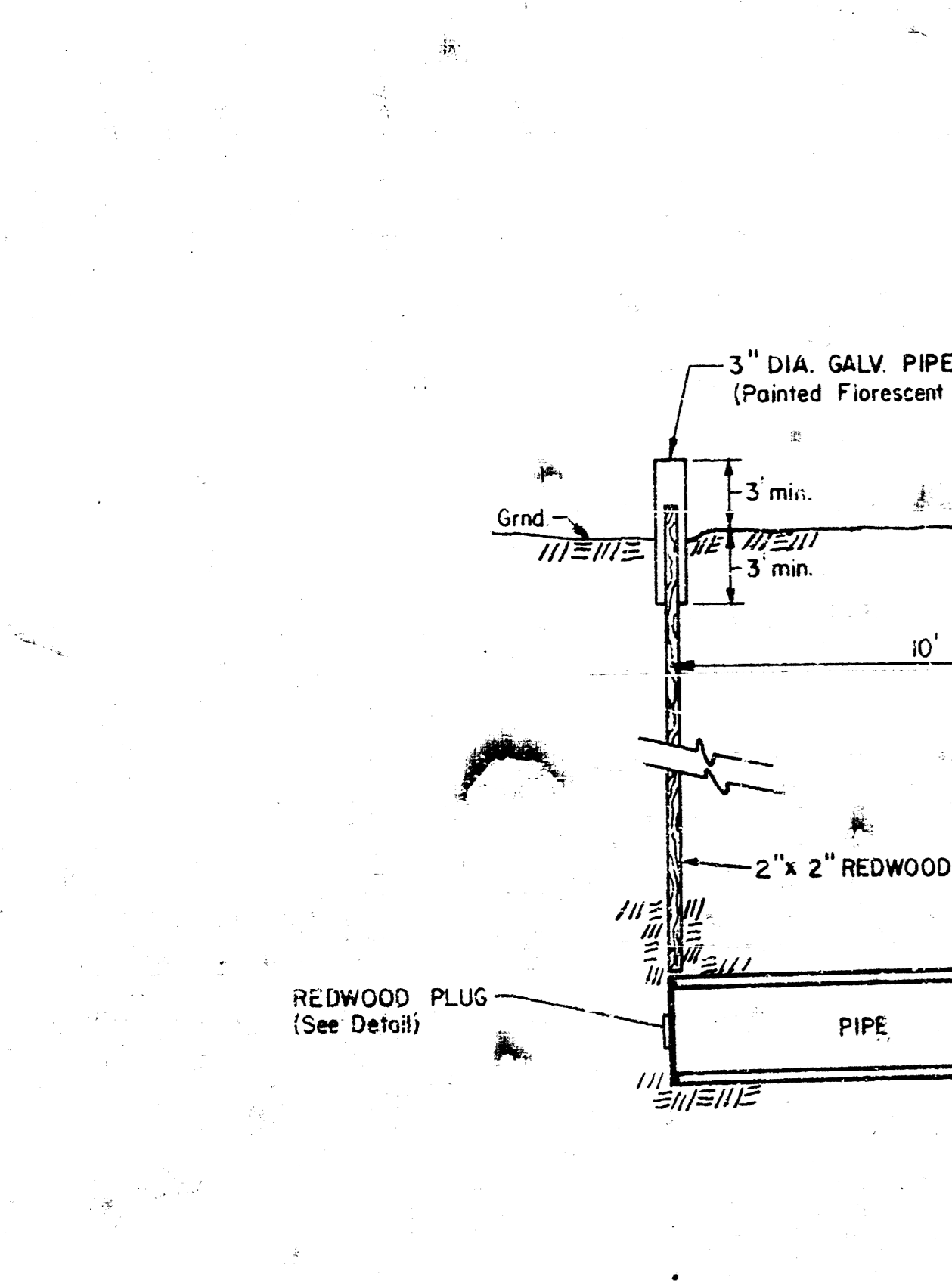
SECTION X

SECTION Y

SECTION Y

RISER DETAIL

STUB DETAIL



**REDWOOD PLUG DETAIL**

BURIED PIPE STAKING DETAIL

CONCRETE ENCASEMENT (CLASS A) WITH CUTOFF WALL (thru Channel Crossing)

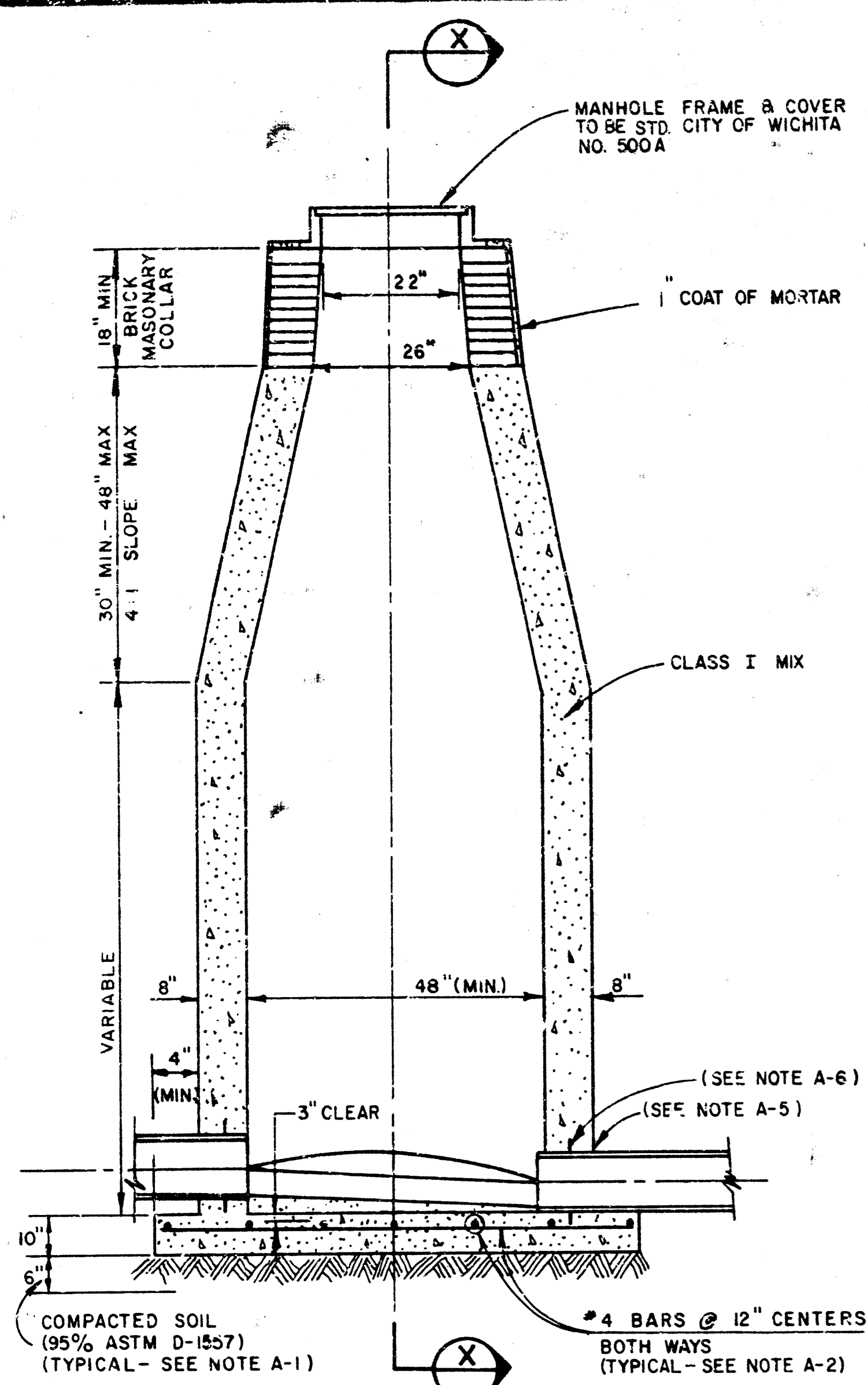
CONCRETE ENCASEMENT (CLASS A) WITH CUTOFF WALL (thru Channel Crossing)

SECTION B-B

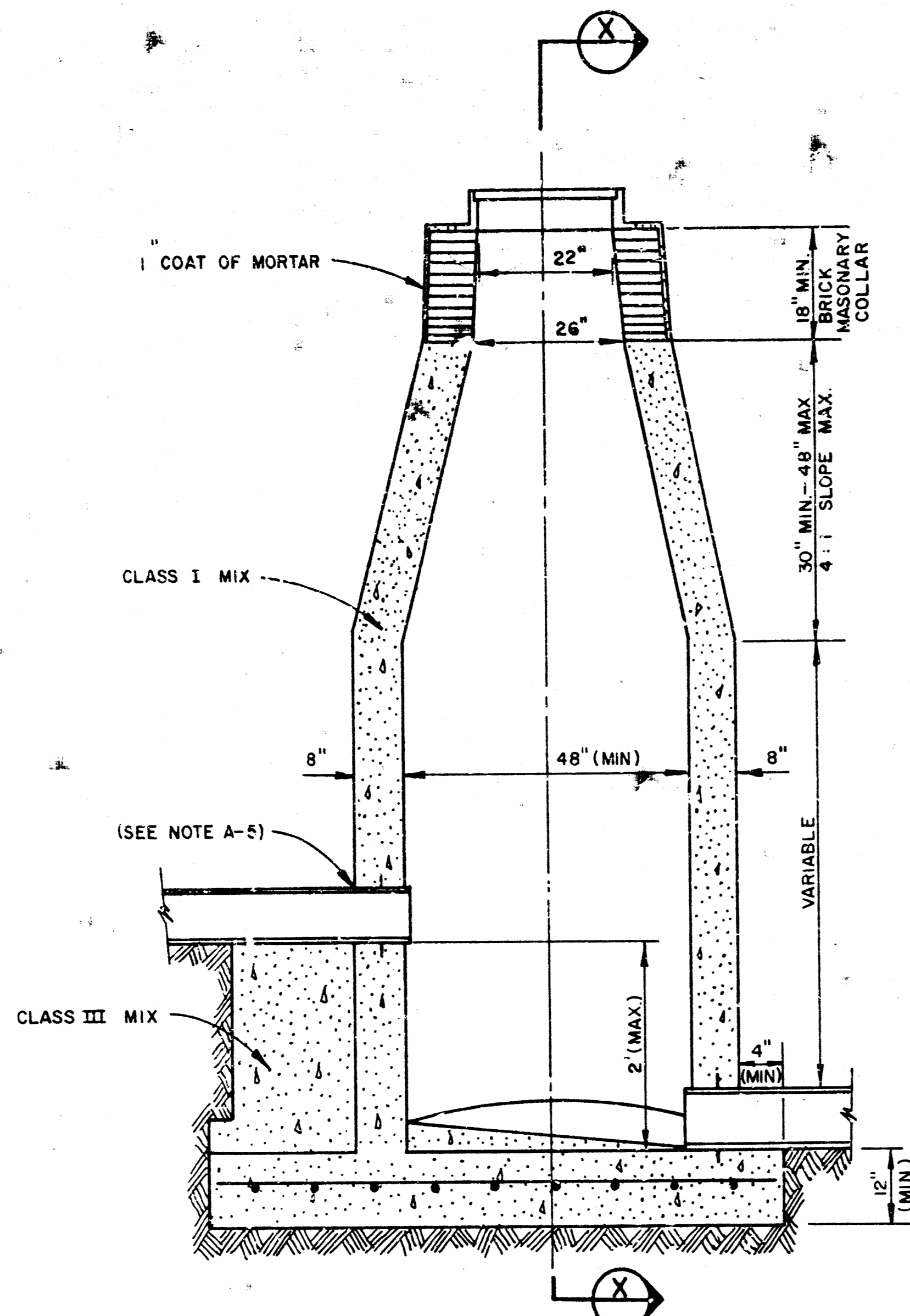
REDWOOD PLUG DETAIL

NOTE: CONCRETE CUTOFF WALL SHALL BE PAID BY THE LINEAL FOOT AND SEPARATE FROM CONCRETE

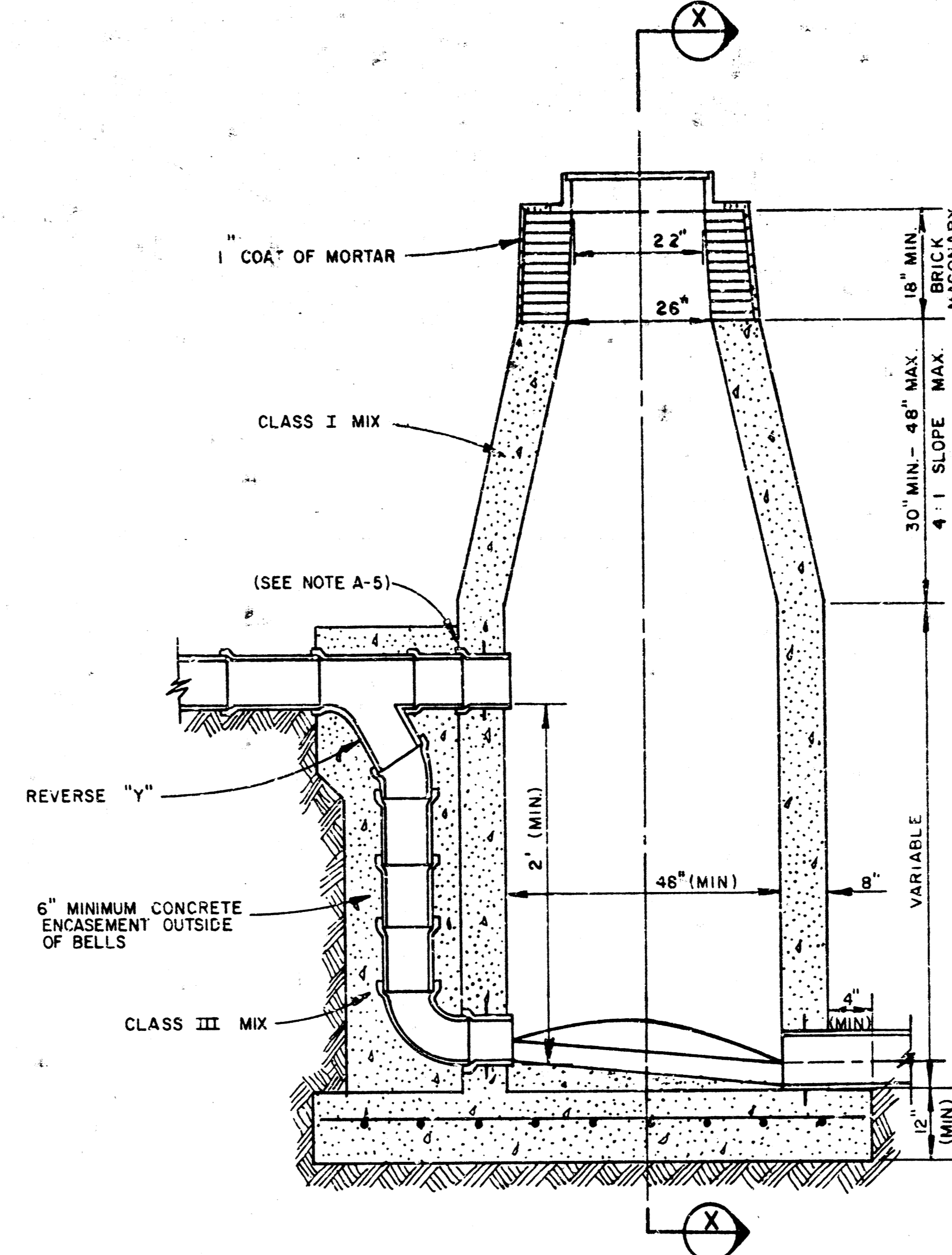
1	Revised mortar coat per KDHE	RJ	5-16-77
No.	Revision	By	Date
SEDGWICK COUNTY DEPARTMENT OF PUBLIC WORKS G.C. McLURE, JR., P.E. DIRECTOR & COUNTY ENGINEER			
<b>SANITARY SEWER DETAILS</b>			
SANITARY SEWER IMPROVEMENTS PARK MEADOW ESTATES LATERAL SEWER DISTRICT SEDGWICK COUNTY, KANSAS			
<b>PROFESSIONAL ENGINEERING CONSULTANTS, P.A.</b>			
ENGINEERS WICHITA, KANSAS			
Designed by	Job No. 76496		



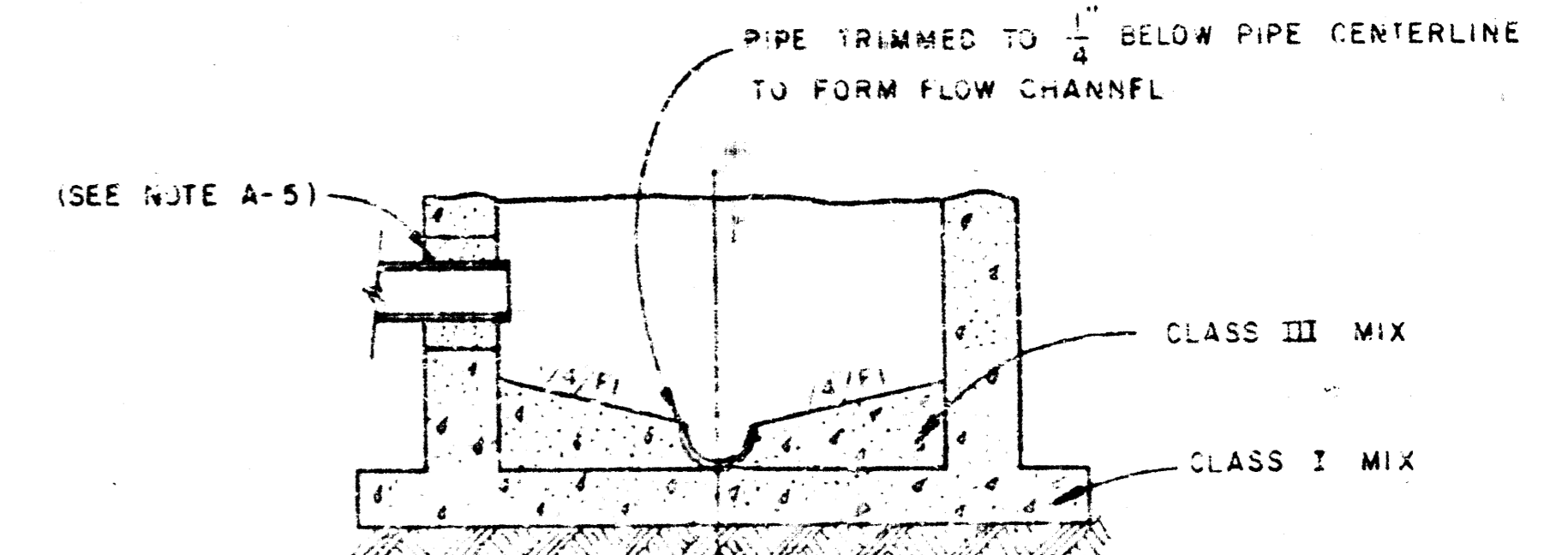
CAST IN PLACE  
STANDARD MANHOLE  
TYPE "E-A"



CAST IN PLACE  
DROP MANHOLE  
TYPE "E-B"



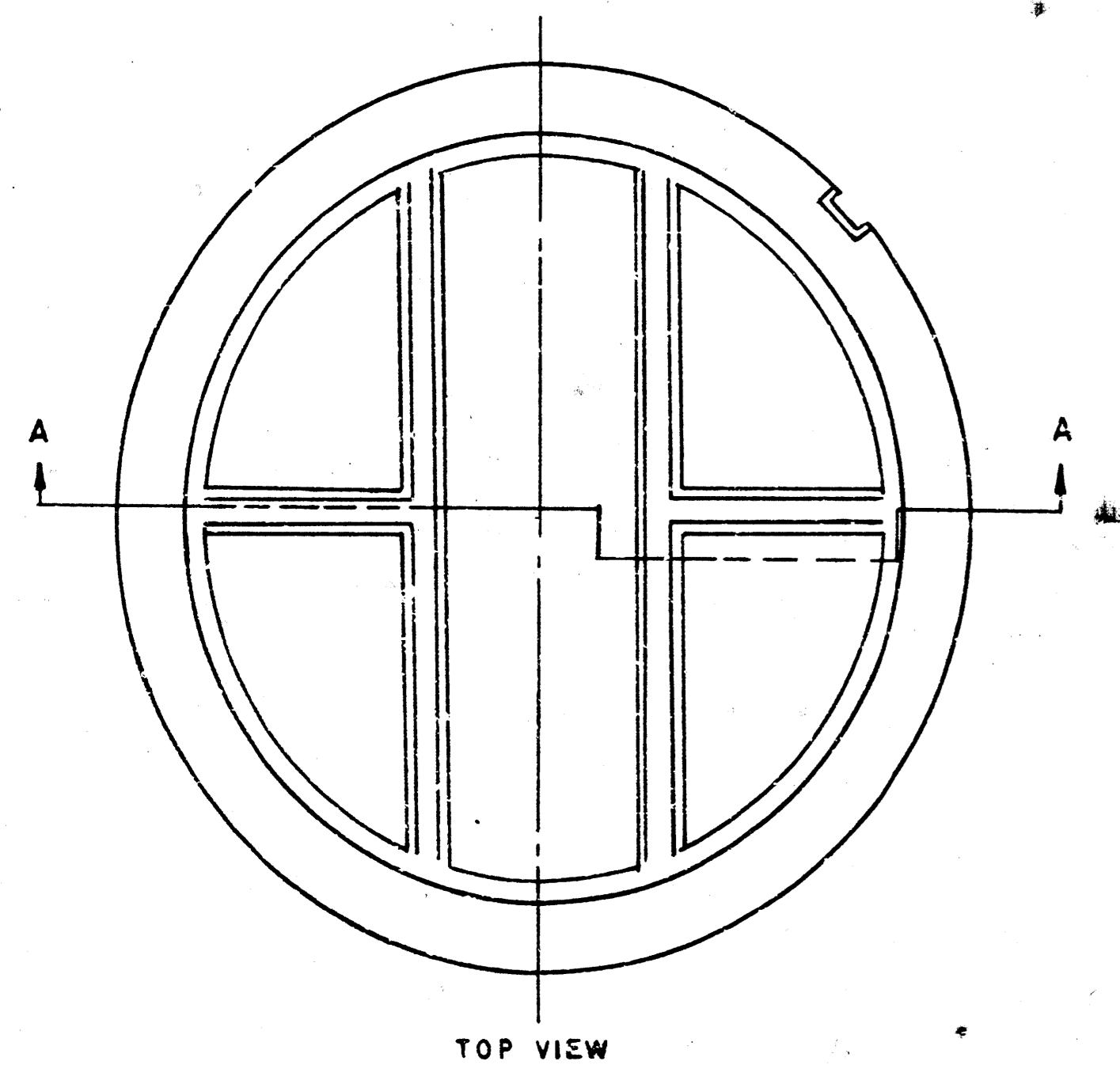
CAST IN PLACE  
OUTSIDE DROP MANHOLE  
TYPE "E-C"



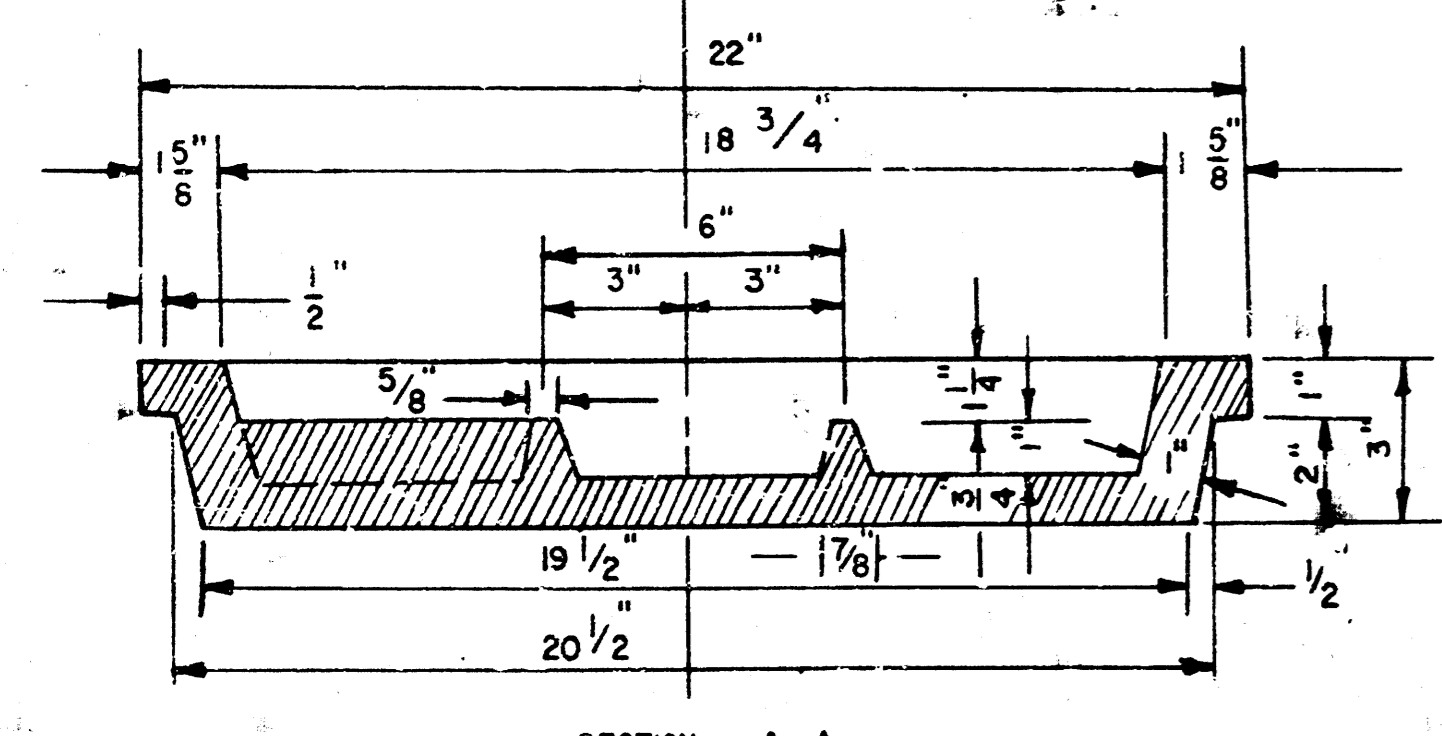
SECTIONAL ELEVATION-INVERT

**PRECAST MANHOLES**

PRECAST MANHOLES MAY BE SUBSTITUTED FOR THE 8" THICK CAST-IN-PLACE MANHOLES. THE MANHOLE BASE AND OUTSIDE MANHOLE PIPE SUPPORTS FOR PRECAST MANHOLES WILL BE THE SAME AS SHOWN FOR CAST-IN-PLACE MANHOLES.

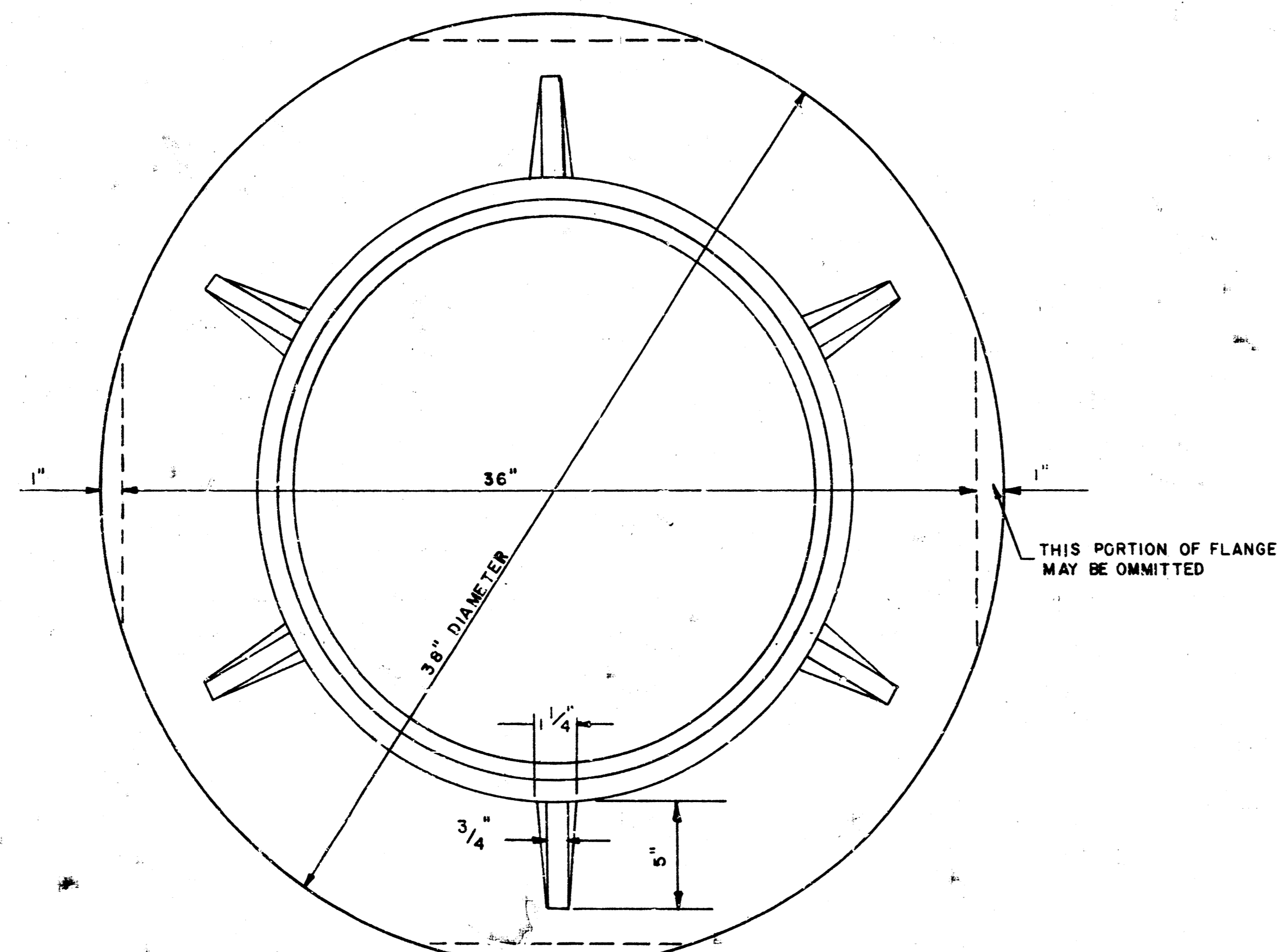


TOP VIEW



SECTION A-A

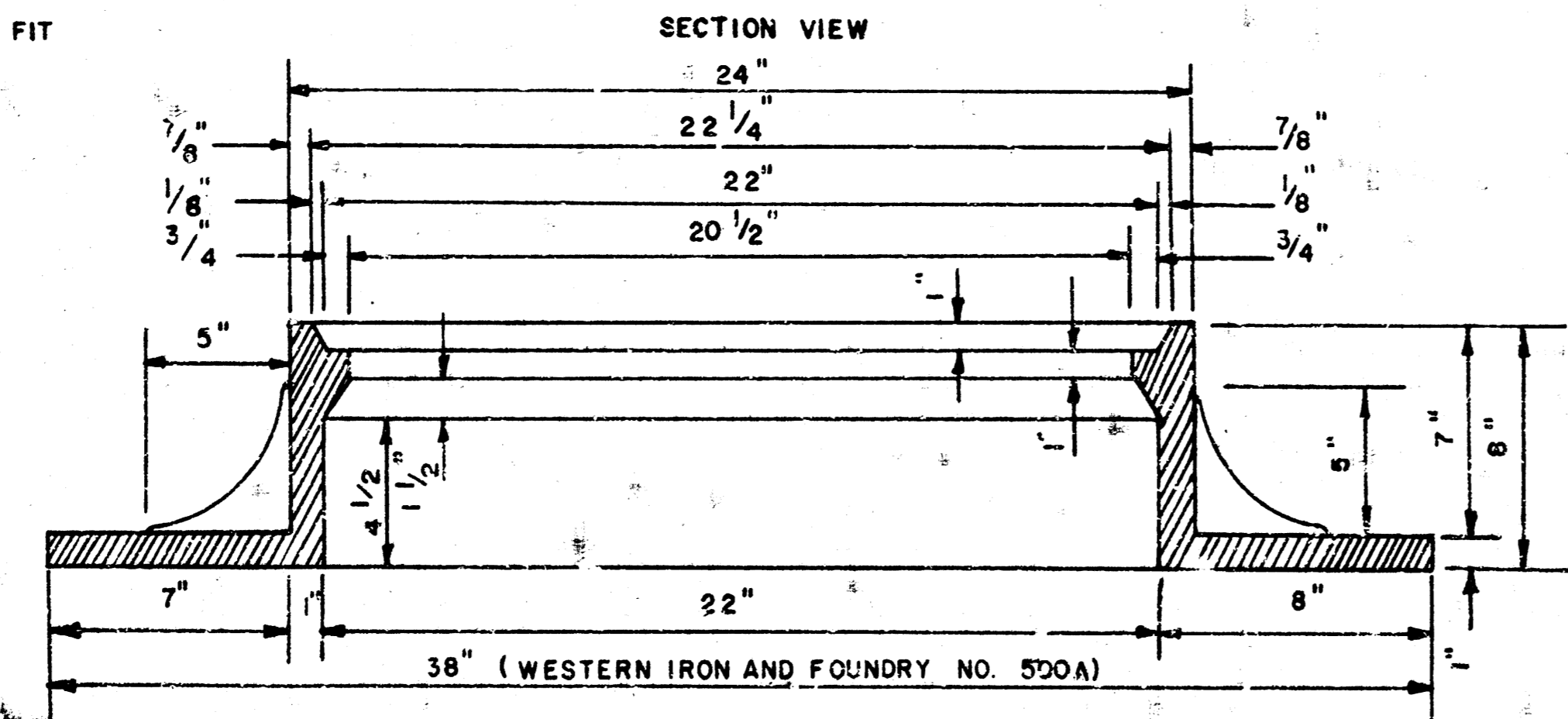
MANHOLE COVER  
WEIGHT 110 LBS.



TOP VIEW

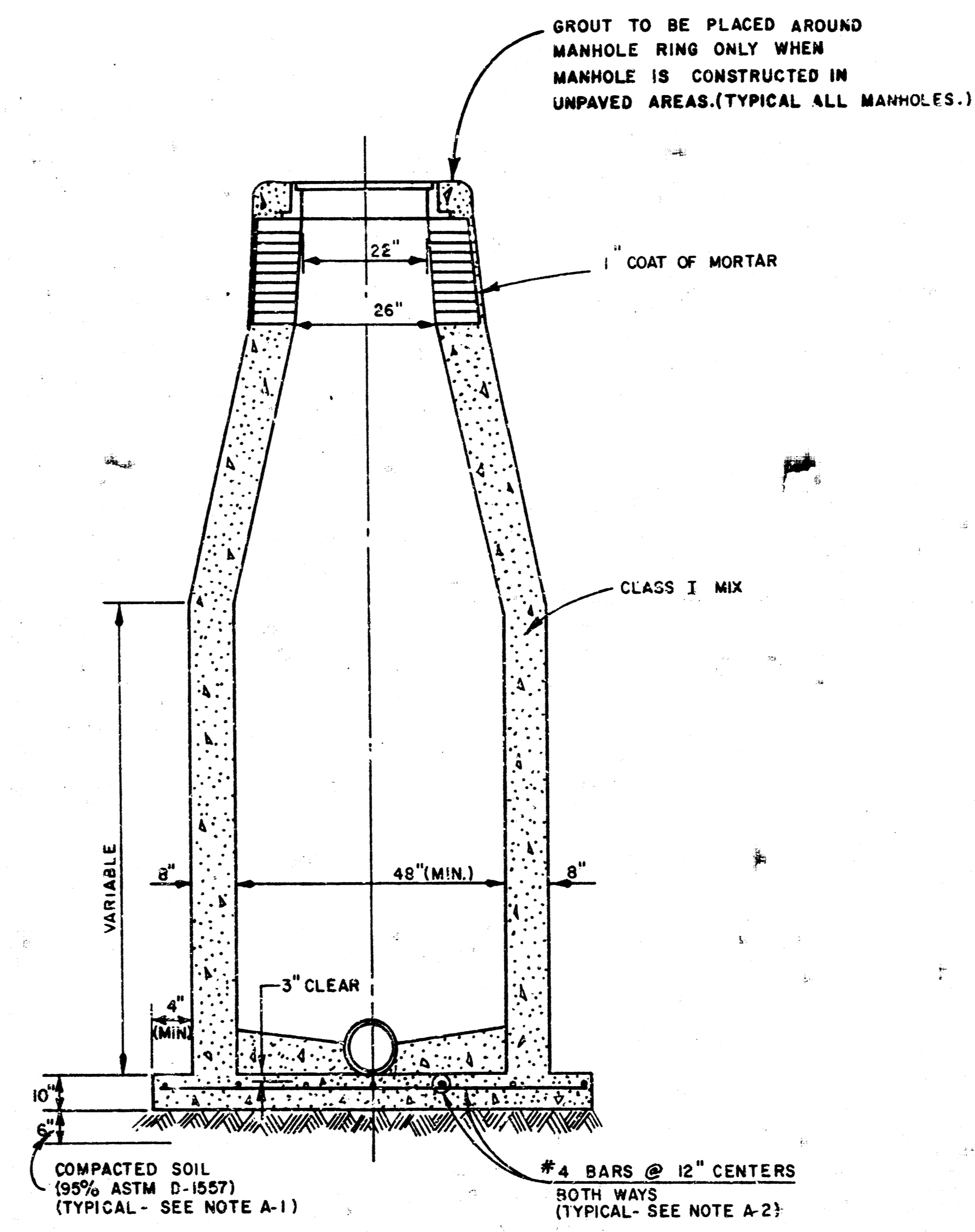
OUTSIDE CIRCUMFERENCE OF COVER AND THE INNER FACE AND SEAT OF RING TO BE MACHINE FIT

WEIGHT 325 LBS. RING



SECTION VIEW

MANHOLE RING



SECTION X

STANDARD MANHOLES TYPE "E-A", "E-B", AND "E-C" MAY BE BID IN LIEU OF STANDARD MANHOLES "A and AA", "B and BB", AND "C and CC", RESPECTIVELY.

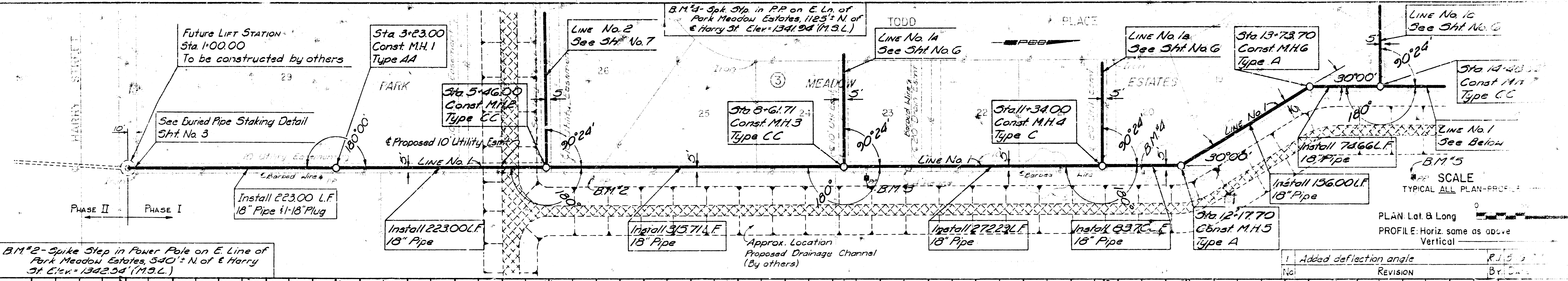
1 Revised mortar coat per KDHE RJ 5-10-77

No.	Revision	By	Date
1	Revised mortar coat per KDHE		RJ 5-10-77

SEDGWICK COUNTY DEPARTMENT OF PUBLIC WORKS  
 G. C. McCLURE, JR., P.E. DIRECTOR & COUNTY ENGINEER  
**SANITARY SEWER DETAILS**  
 SANITARY SEWER IMPROVEMENTS  
 PARK MEADOW ESTATES LATERAL SEWER DISTRICT SEDGWICK COUNTY, KANSAS  
**PROFESSIONAL ENGINEERING CONSULTANTS, P.A.**  
 ENGINEERS  
 WICHITA, KANSAS

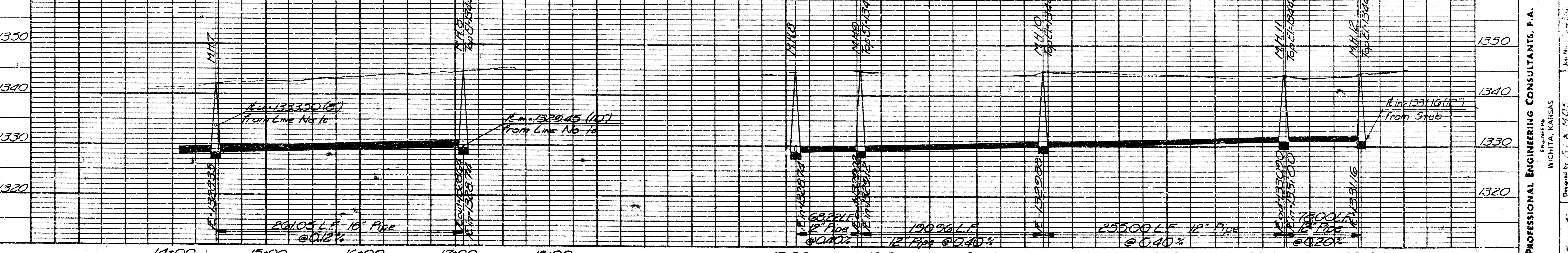
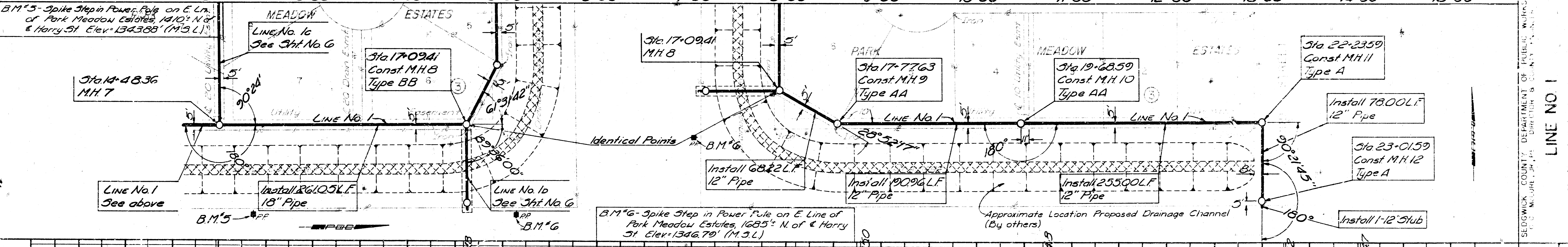
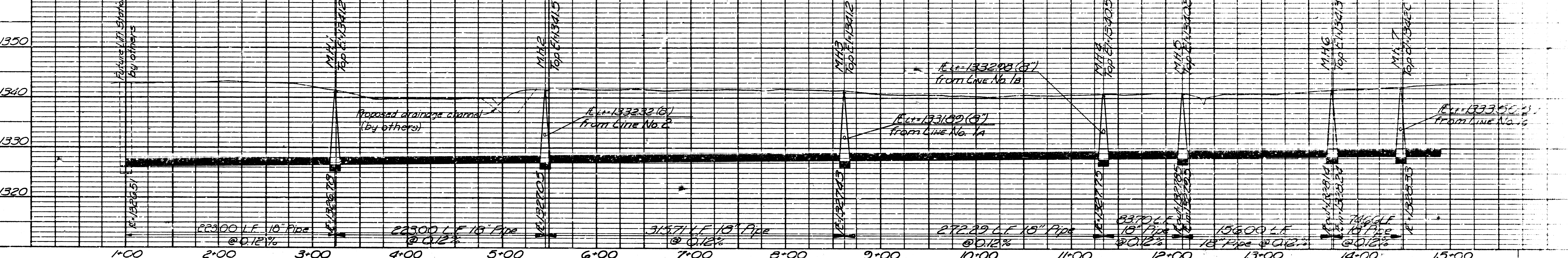
Designed by: \_\_\_\_\_ Job No. 76896  
 Date: 3/21/77 Sht. 4 of 9





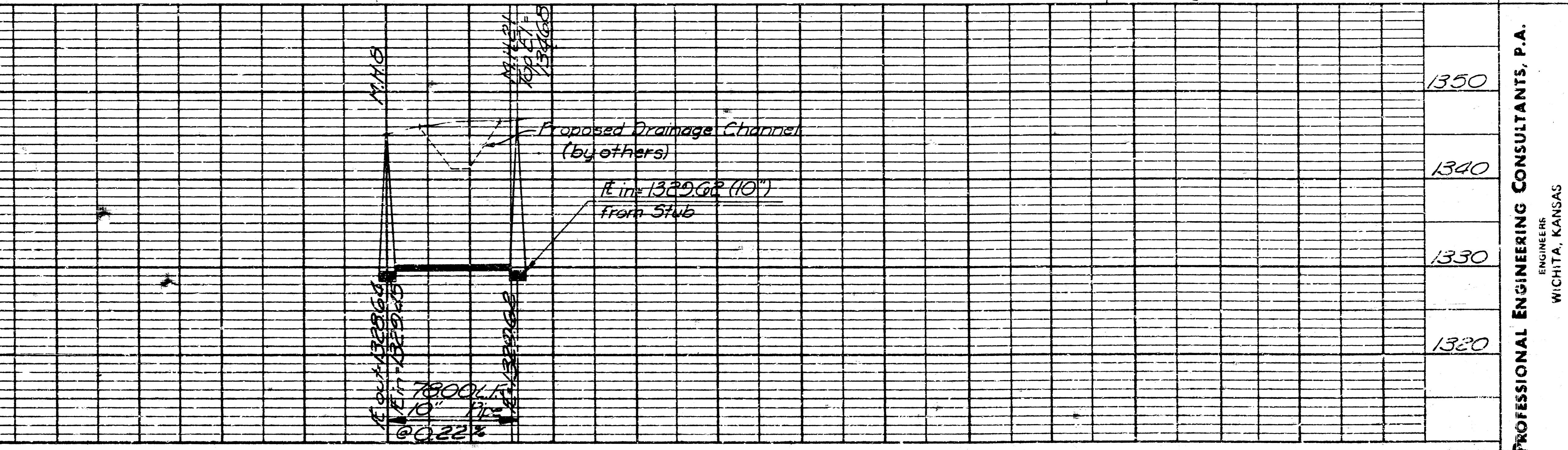
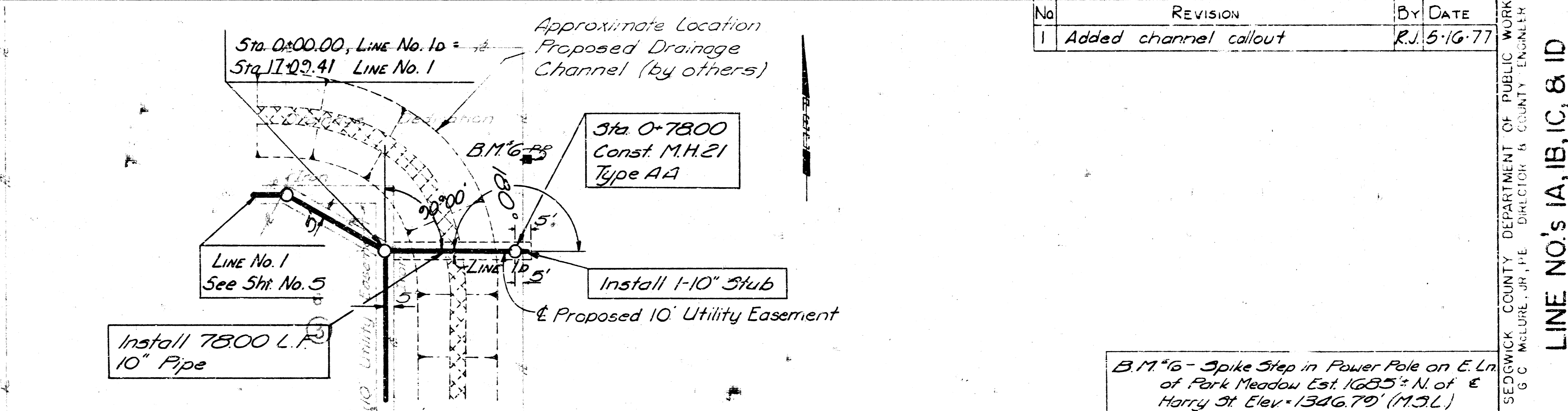
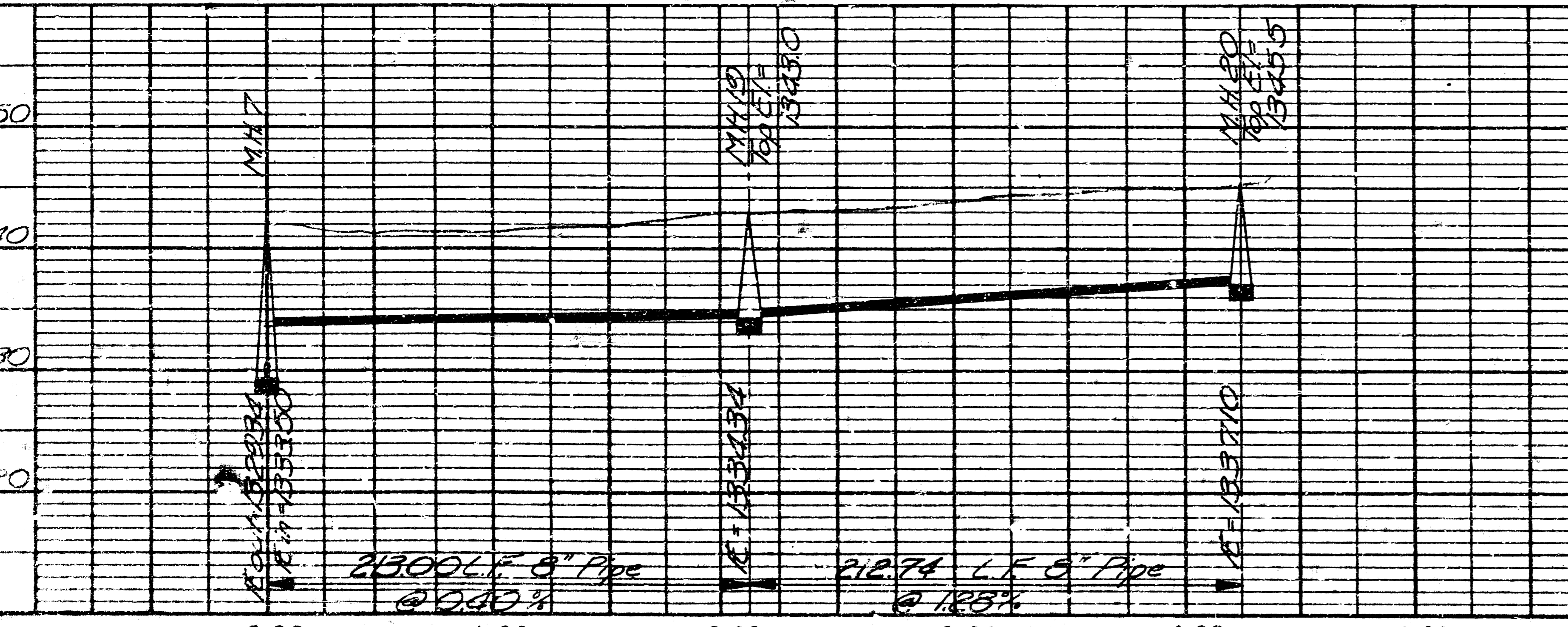
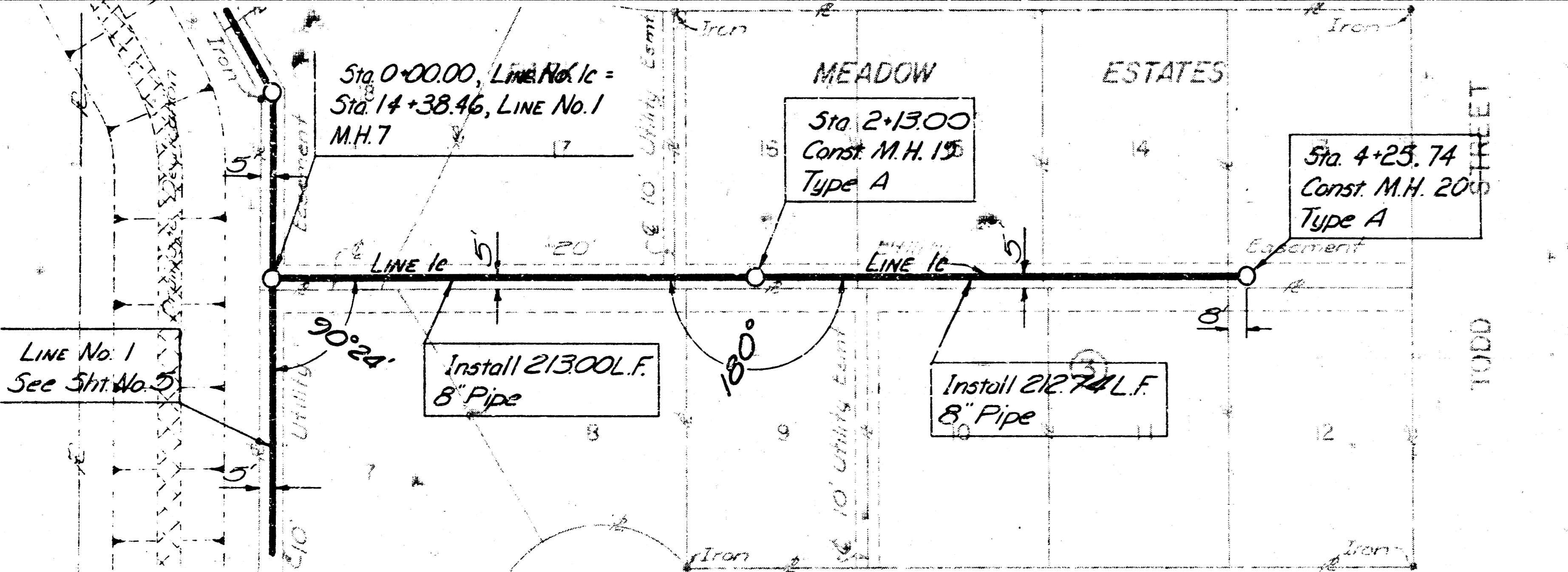
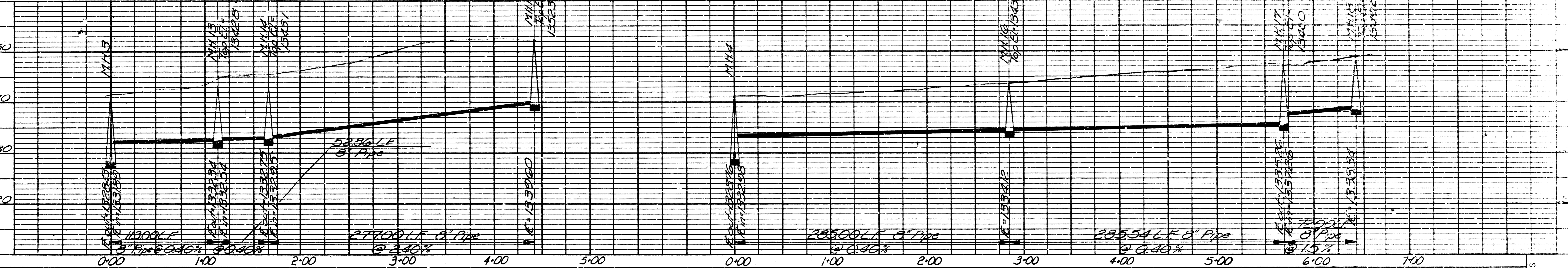
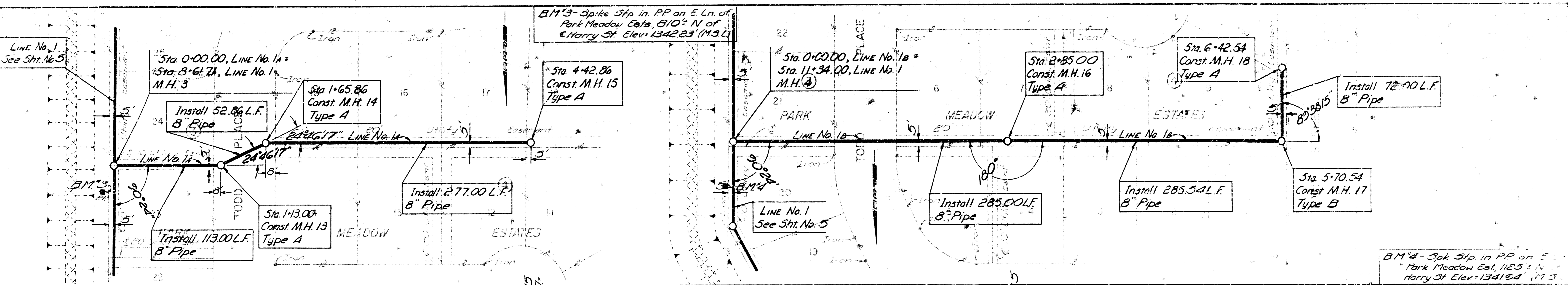
PLAN: Lat. & Long  
 PROFILE: Horiz. same as above  
 Vertical

1	Added deflection angle	R. J. S.
No.	REVISION	By



SEDDWICK COUNTY DEPARTMENT OF PUBLIC WORKS  
 SUPERVISOR J. W. HARRIS, JR.  
 DIRECTOR B. G. HARRIS, JR.

PROFESSIONAL ENGINEERING CONSULTANTS, P.A.  
 ENGINEERS  
 WICHITA, KANSAS  
 Designed by: E. L. K. M. D. S.  
 Date: 10/1/54



No.	REVISION	BY	DATE
1	Added channel callout	RJ	5-16-77

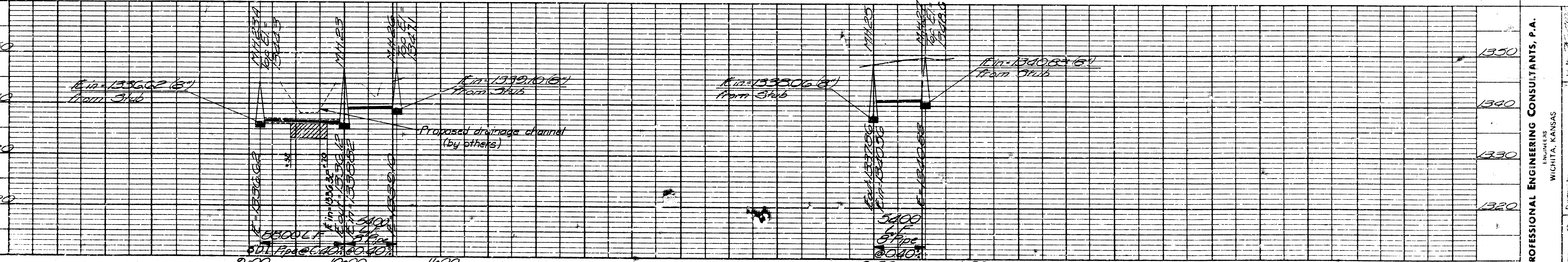
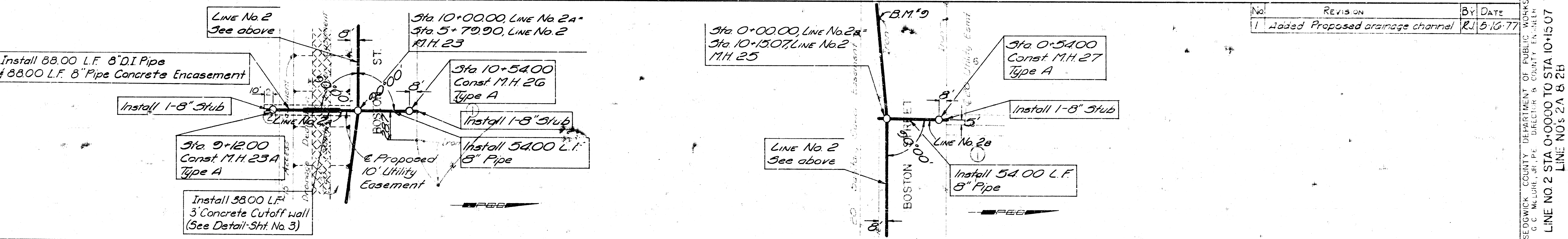
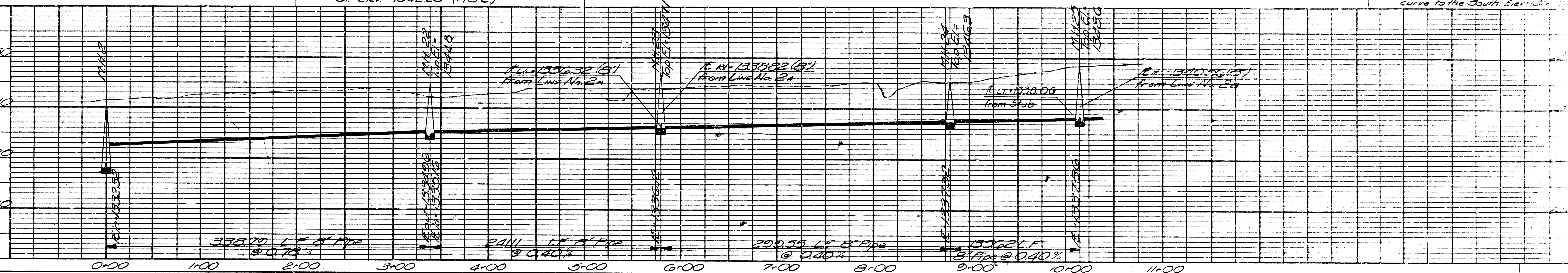
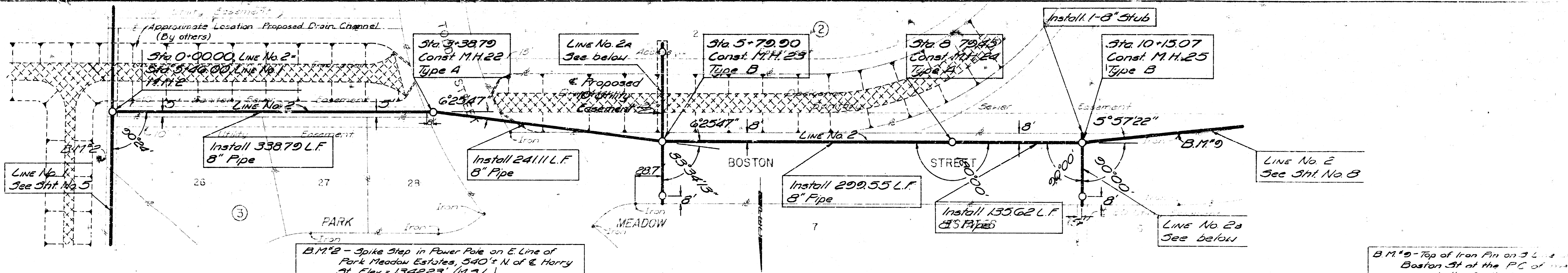
SEDGWICK COUNTY DEPARTMENT OF PUBLIC WORKS  
 G. C. McLURE, JR., P.E. DIRECTOR & COUNTY ENGINEER

WICHITA, KANSAS  
 PROFESSIONAL ENGINEERING CONSULTANTS, P.A.  
 ENGINEER  
 Dr. Prepared by G.L.A. MDS  
 Drawn by C.K. T.S.

LINE NO.'s 1A, 1B, 1C, & 1D

Job No. 702-06  
 Date 5/16/77

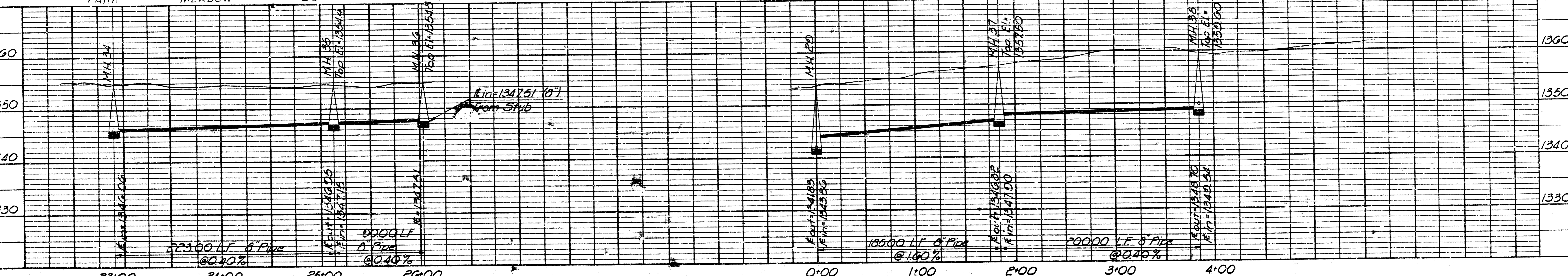
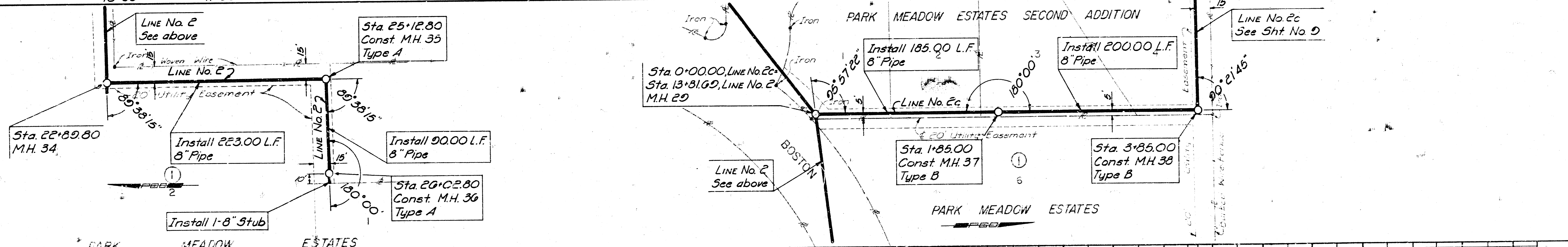
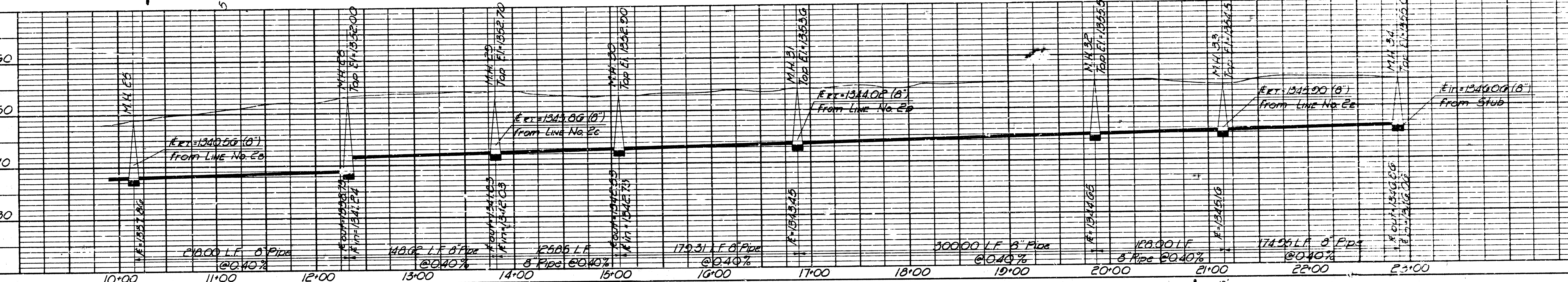
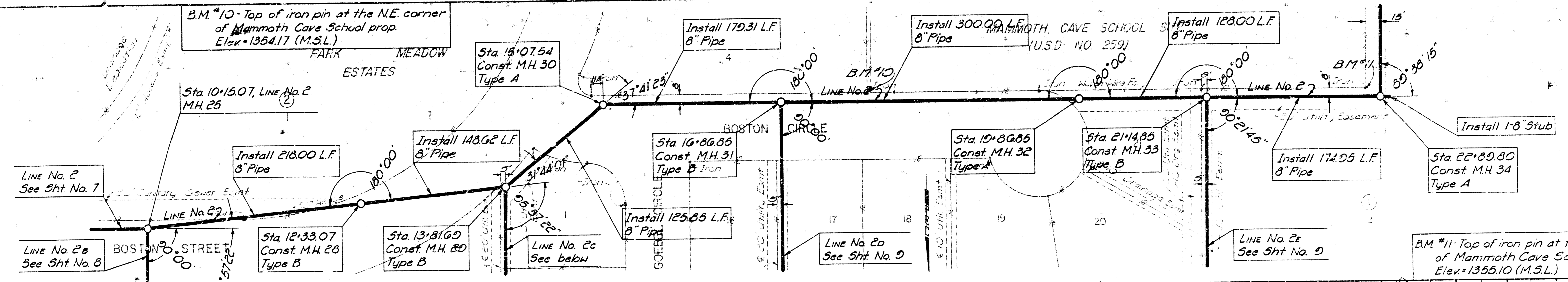
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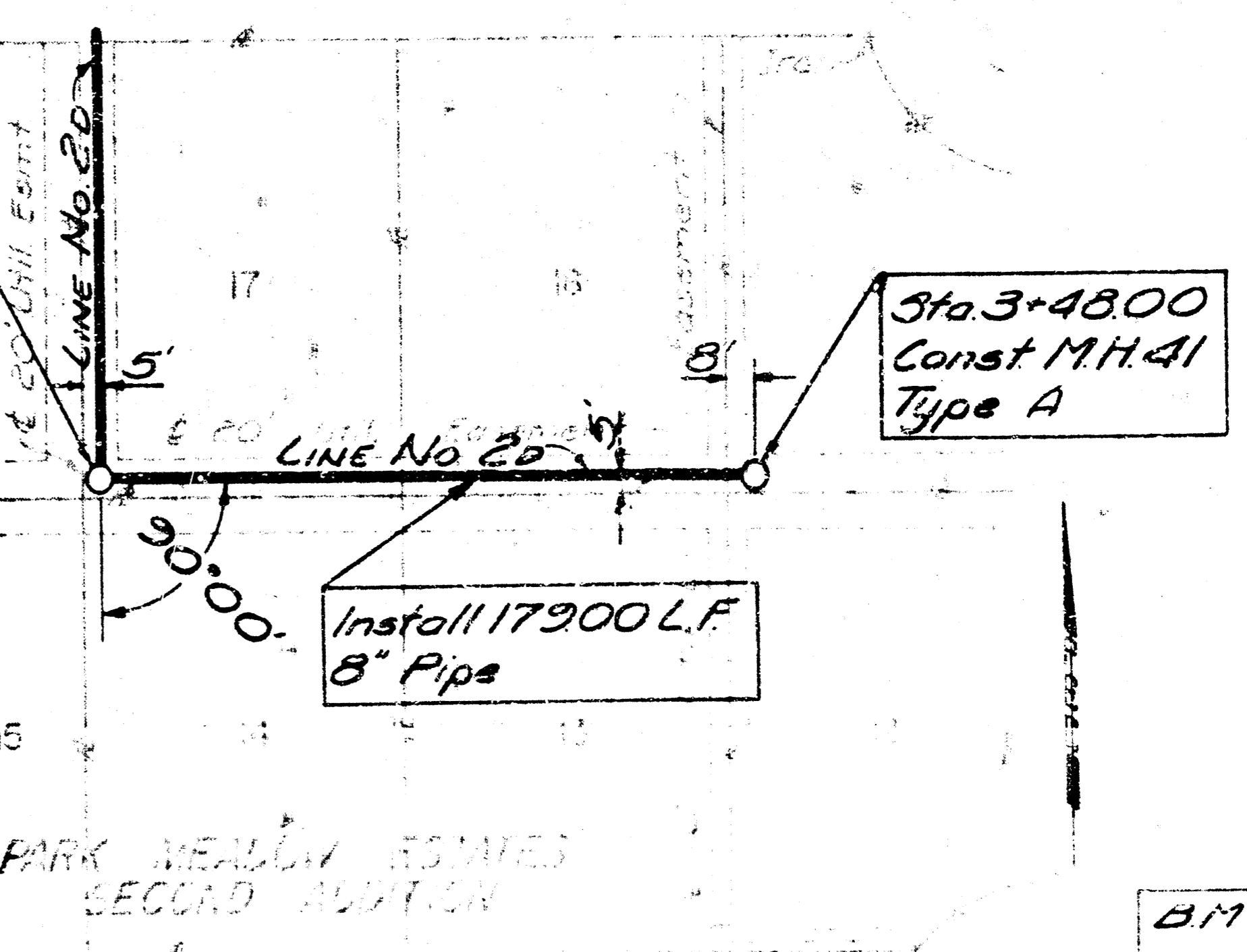
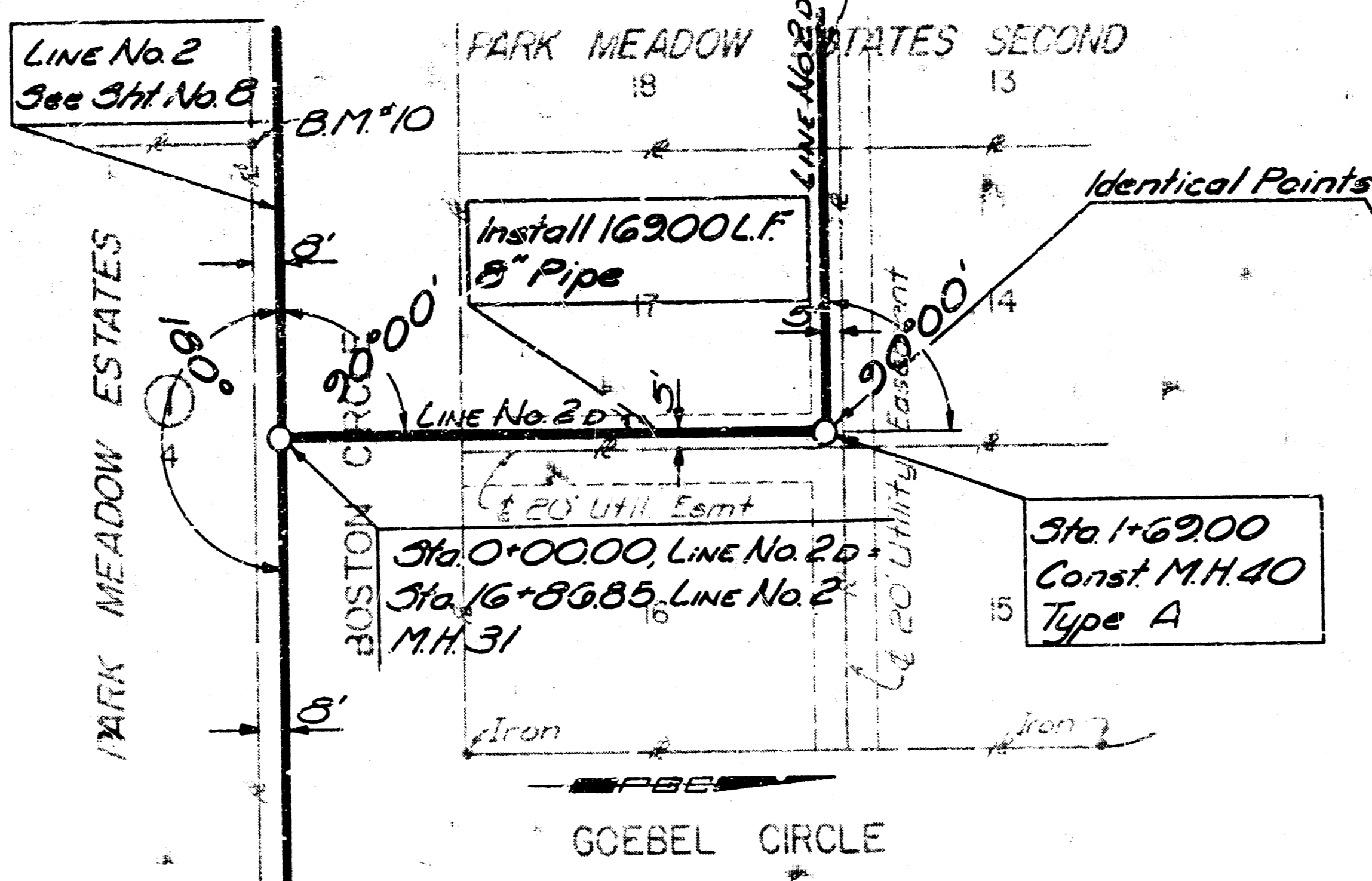
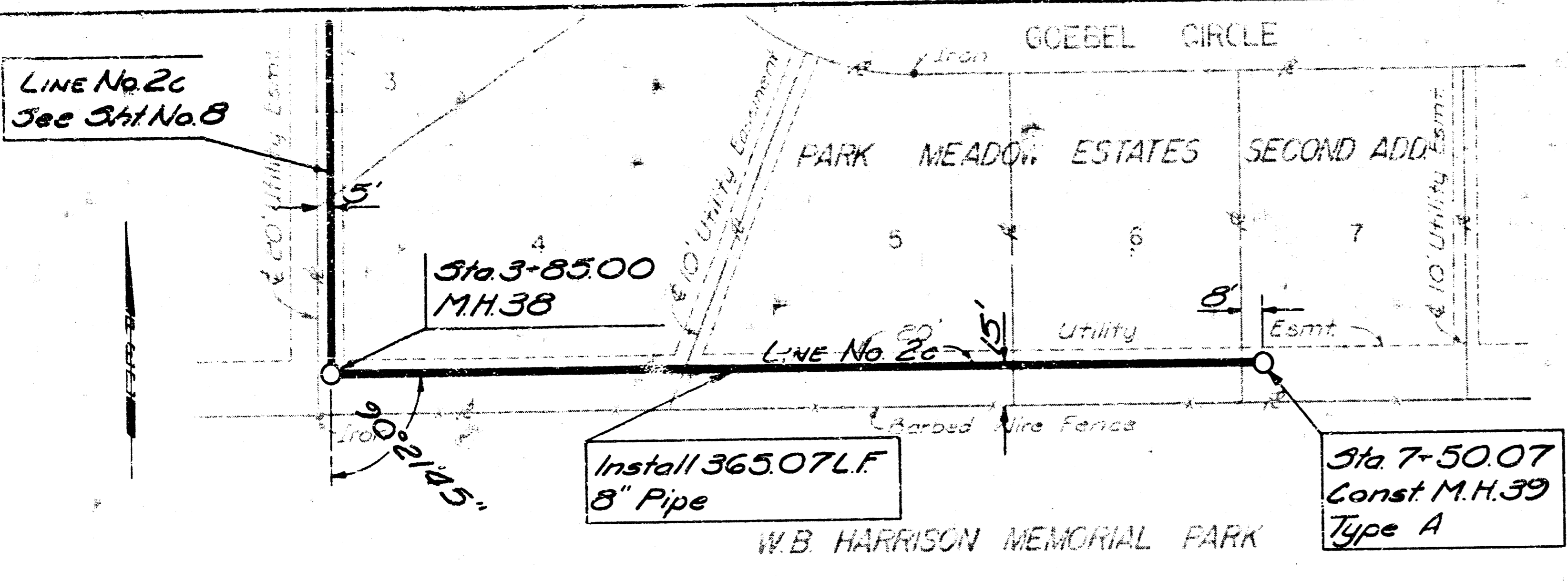
No.	REVISION	By	DATE
1	Added Proposed drainage channel	RJ	5/16/77

SEDDWICK COUNTY DEPARTMENT OF PUBLIC WORKS  
 G. C. MCLORE, JR., PE DIRECTOR & COUNTY ENGINEER  
 LINE NO. 2 STA 0+00.00 TO STA 10+15.07  
 LINE NOS. 2A & 2B

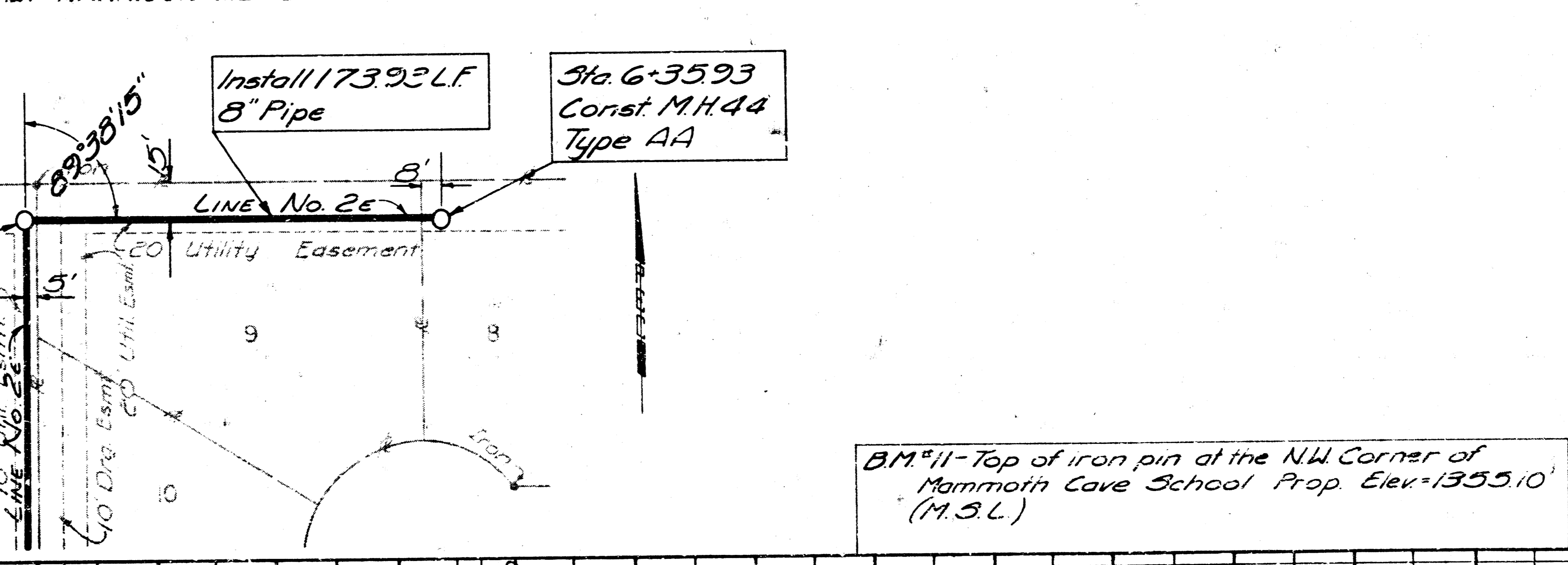
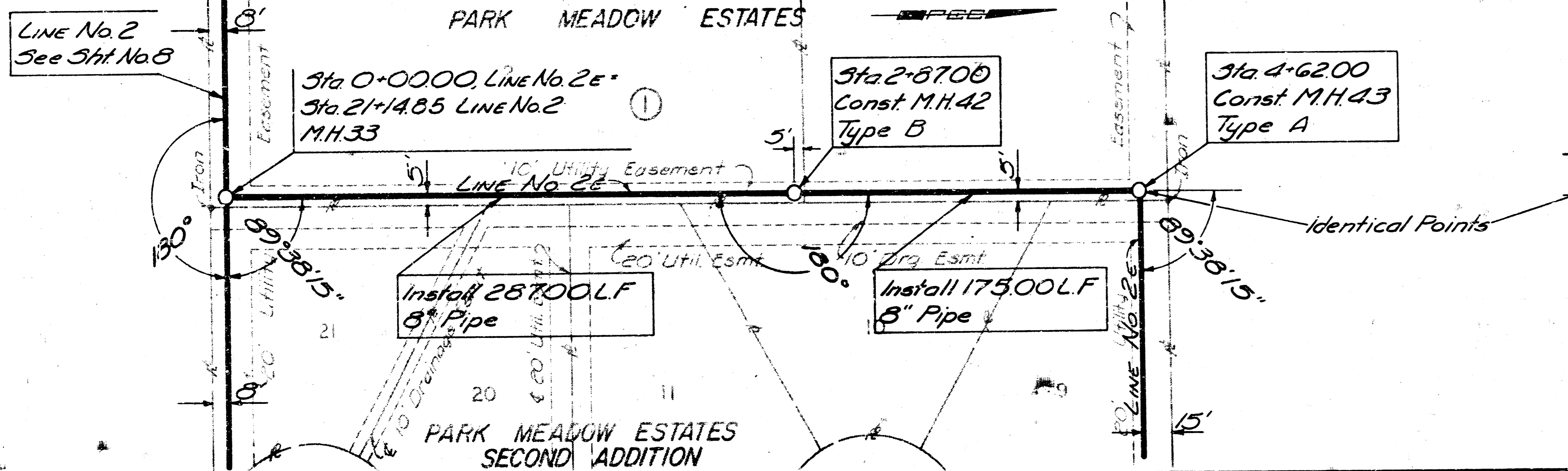
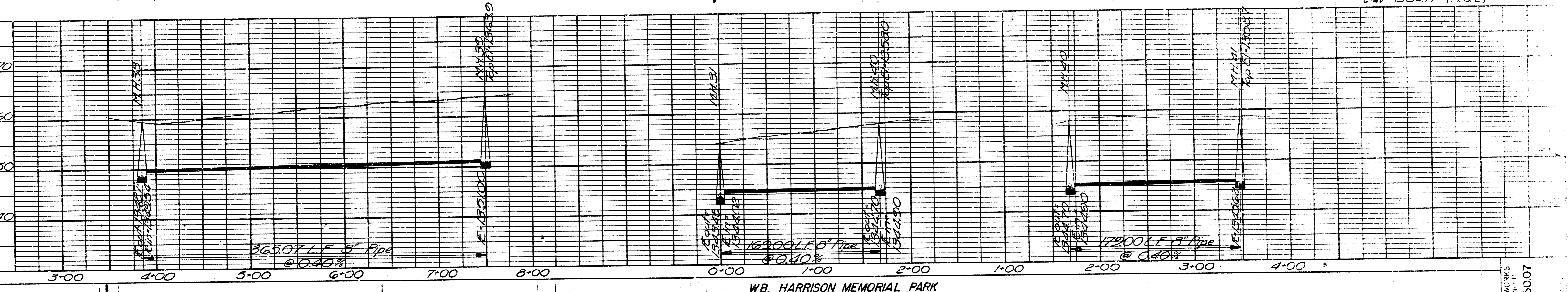
PROFESSIONAL ENGINEERING CONSULTANTS, P.A.  
 ENGINEERS  
 WICHITA, KANSAS  
 Drawn by: [Signature]  
 of 0



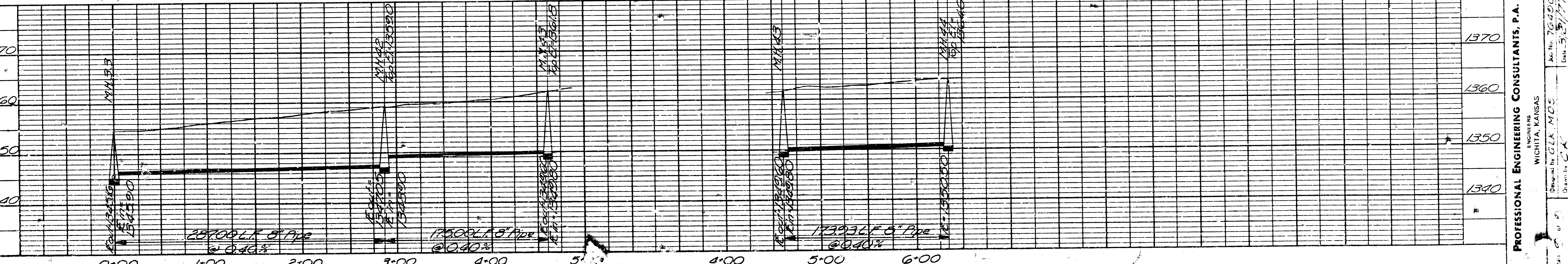
SEDGWICK COUNTY DEPARTMENT OF PUBLIC WORKS  
 G.C. MULLINE, JR., P.E. DIRECTOR & COUNTY ENGINEER  
 PROFESSIONAL ENGINEERING CONSULTANTS, P.A.  
 ENGINEER  
 WICHITA, KANSAS  
 Drawn by G.L.K./M.D.S.  
 Date 7-10-77  
 LINE NO. 2 STA 10+1507 TO STA 26+02.80  
 LINE NO. 2C STA 0+0000 TO STA 3+85.00



BM #10 - Top of iron pin of the NW Corner of Mammoth Cave School Prop. Elev. = 135417' (M.S.L.)



BM #11 - Top of iron pin of the NW Corner of Mammoth Cave School Prop. Elev. = 135510' (M.S.L.)



SEDCWICK COUNTY DEPARTMENT OF PUBLIC WORKS  
G. C. McCLURE, JR., PE DIRECTOR & COUNTY ENGINEER  
LINE NO. 2C STA. 3+8500 TO STA 7+5007  
LINE NO. 2D & LINE NO. 2E  
SANITARY SEWER IMPROVEMENTS

PROFESSIONAL ENGINEERING CONSULTANTS, P.A.  
ENGINEERS  
WICHITA, KANSAS  
Drawn by G.L.K. M.D.E.  
Date: 5/21/77