

# WICHITA MID-CONTINENT AIRPORT

PLANS FOR

8" P.V.C. SANITARY SEWER

WICHITA AIRPORT AUTHORITY

WICHITA, KANSAS

FEB. 1980

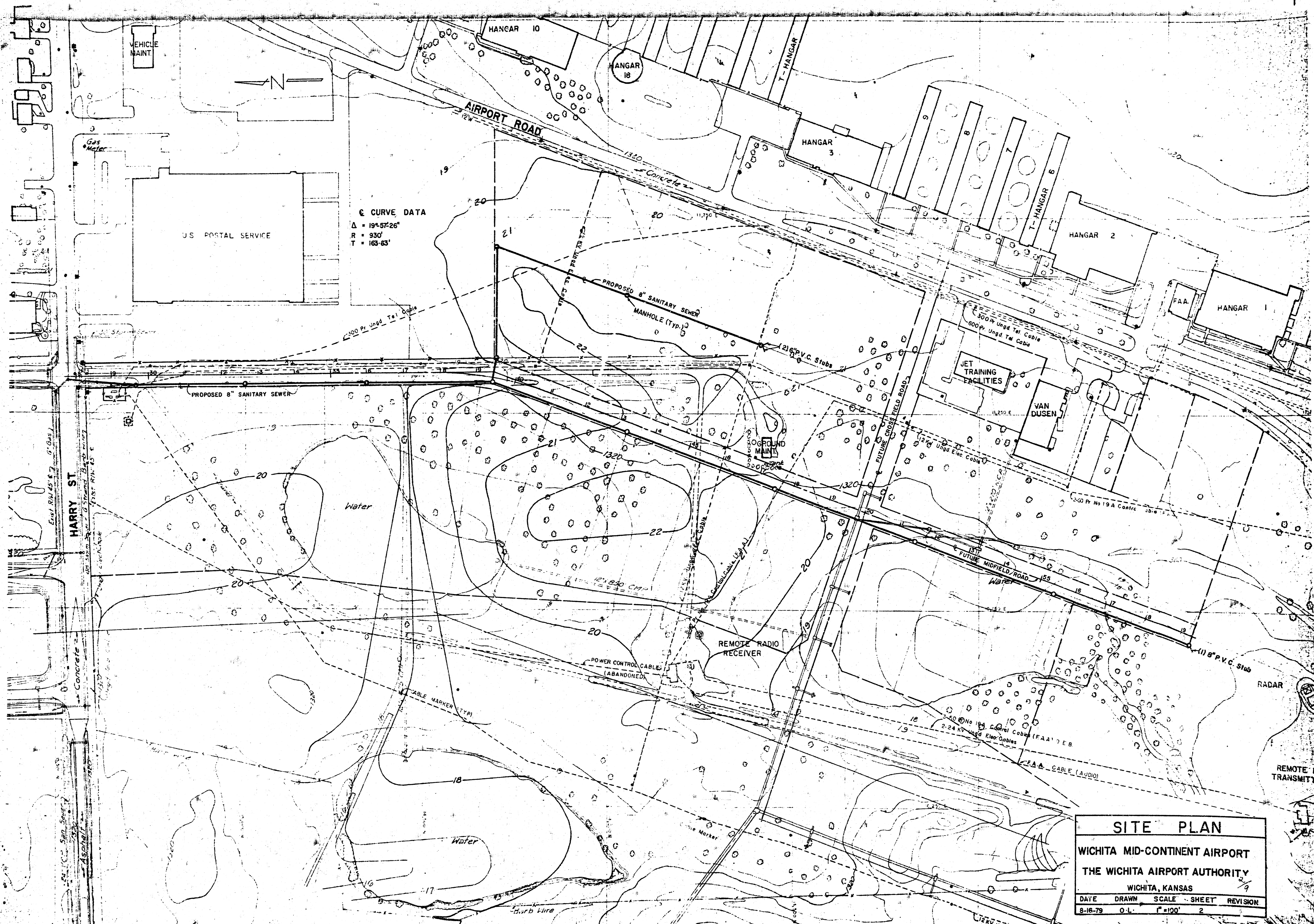
1-21-80  
APPROVED AS NOTED  
By CITY ENGINEER OF WICHITA  
Sanitary Sewers... *BCA*  
Storm Sewers  
Driveway Approaches

NOTE TO CONTRACTOR  
This project will be constructed under the supervision of the CITY ENGINEER and conforming to the SPECIFICATIONS of the CITY OF WICHITA. The CONTRACTOR will reimburse the City of Wichita for all cost of ~~the~~ inspection.

PROJECT No. 468-76-245-~~500~~<sup>80804</sup>-000-000-008

APPROVED  
*[Signature]*  
DIRECTOR OF AVIATION  
*[Signature]*  
DIRECTOR OF AIRPORT ENGINEERING



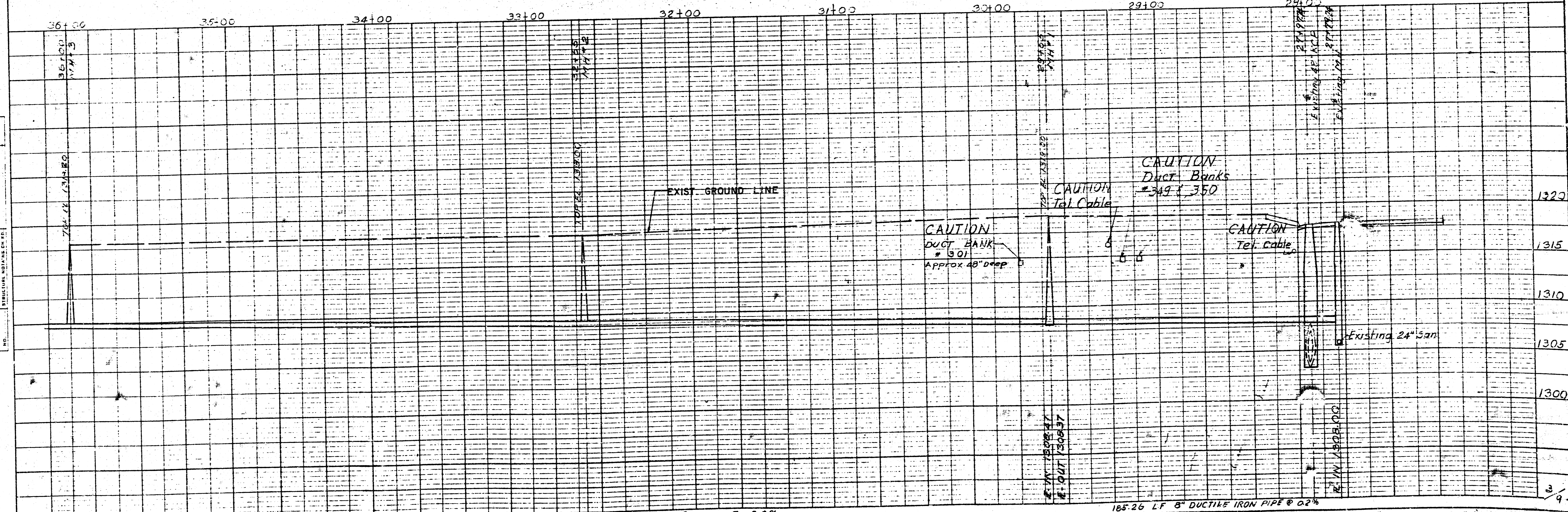
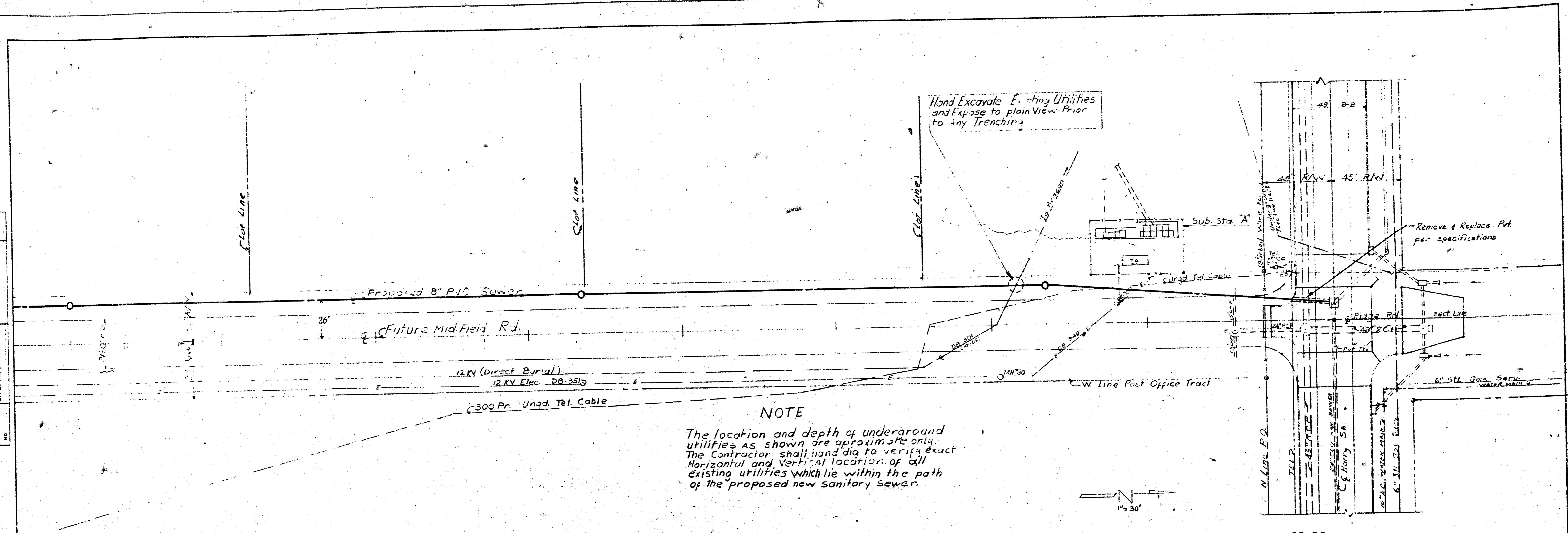


$\Delta = 194^{\circ}57'26"$   
 $R = 930'$   
 $T = 163'63"$

<b>SITE PLAN</b>				
WICHITA MID-CONTINENT AIRPORT				
THE WICHITA AIRPORT AUTHORITY				
WICHITA, KANSAS				
DATE	DRAWN	SCALE	SHEET	REVISION
8-16-79	O.L.	1"=100'	2	

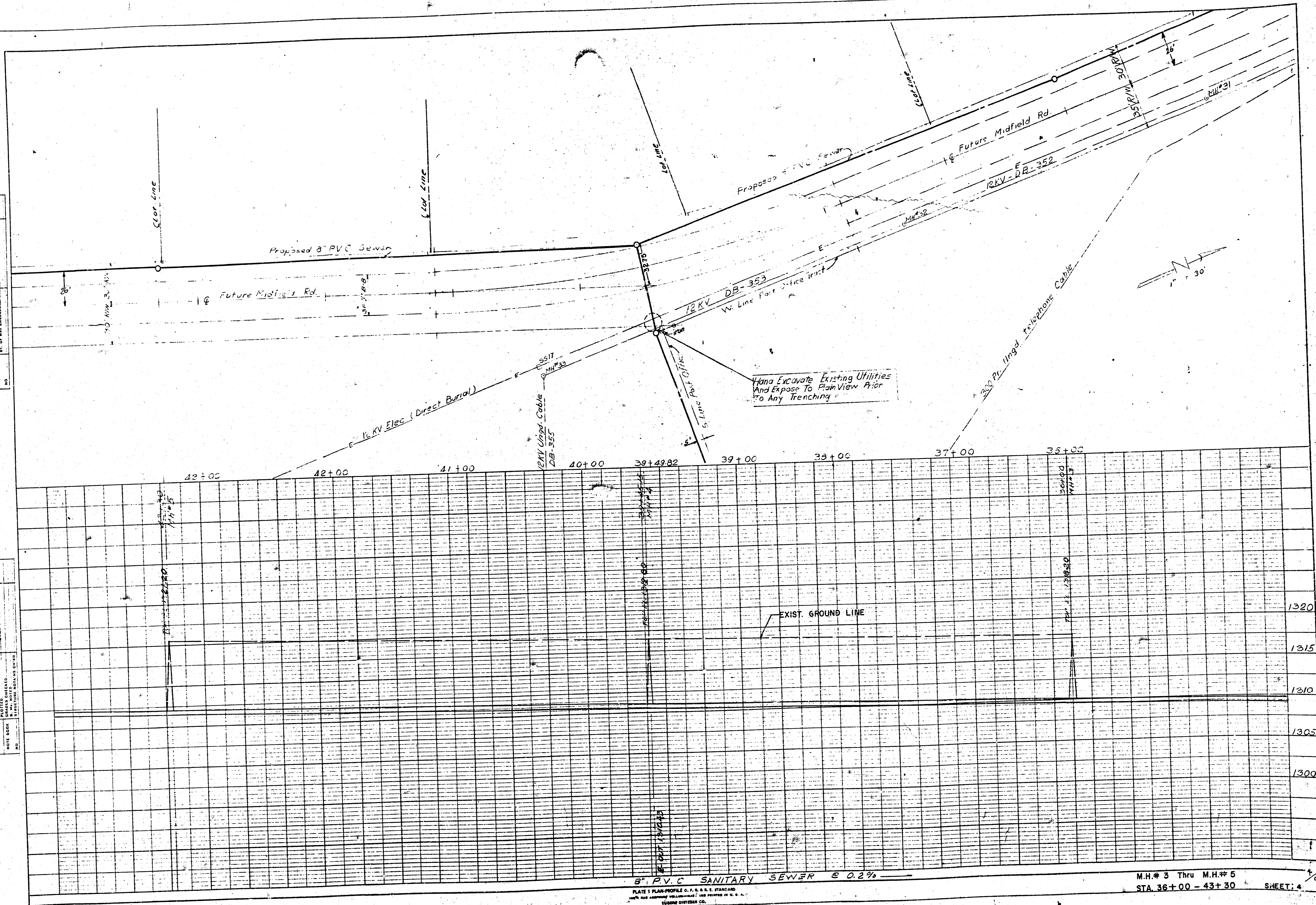
DATE: 8/6/77  
 DRAWN BY: [Signature]  
 CHECKED BY: [Signature]  
 PLAN NO. 27

DATE: 8/6/77  
 DRAWN BY: [Signature]  
 CHECKED BY: [Signature]  
 PROFILE NO. 27



PLAN  
 DATE: 8/2/77  
 BY: G.L.  
 CHECKED: G.L.  
 APPROVED: G.L.  
 TITLE: 8" PVC SANITARY SEWER  
 PROJECT: FUTURE MIDFIELD RD.

PROFILE  
 DATE: 8/2/77  
 BY: G.L.  
 CHECKED: G.L.  
 APPROVED: G.L.  
 TITLE: 8" PVC SANITARY SEWER  
 PROJECT: FUTURE MIDFIELD RD.

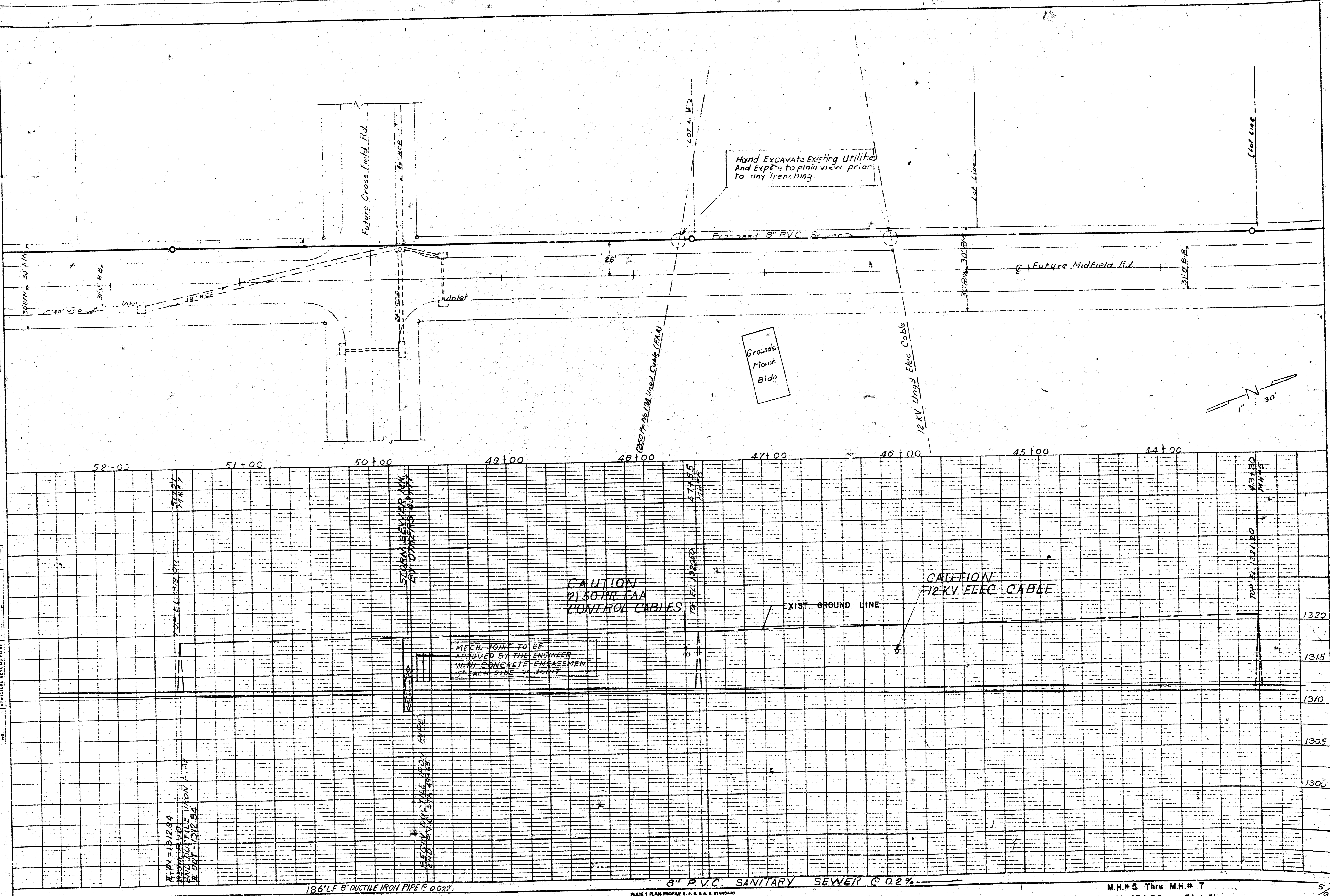


8" PVC SANITARY SEWER @ 0.2%  
 PLATE 1 PLAN-PROFILE O. P. & S. STANDARD  
 100% HAS APPROVED YELLOW-INK AND PRINTED IN U. S. A.  
 GEORGE OSTROM CO.

M.H.# 3 Thru M.H.# 5  
 STA. 36+00 - 43+30  
 SHEET: 4/9

PLAN	DATE	12/12/94
	BY	D.L.F.
PROFILE	DATE	12/12/94
	BY	D.L.F.
SUBMITTED FOR REVIEW AND APPROVAL BY THE ENGINEER DATE: 12/12/94 BY: D.L.F.		
NOTE: ALL DIMENSIONS ARE IN FEET UNLESS OTHERWISE NOTED.		

PROFILE	DATE	12/12/94
	BY	D.L.F.
PLAN	DATE	12/12/94
	BY	D.L.F.
SUBMITTED FOR REVIEW AND APPROVAL BY THE ENGINEER DATE: 12/12/94 BY: D.L.F.		
NOTE: ALL DIMENSIONS ARE IN FEET UNLESS OTHERWISE NOTED.		



186' LF 8" DUCTILE IRON PIPE @ 0.02%

8" P.V.C. SANITARY SEWER @ 0.2%

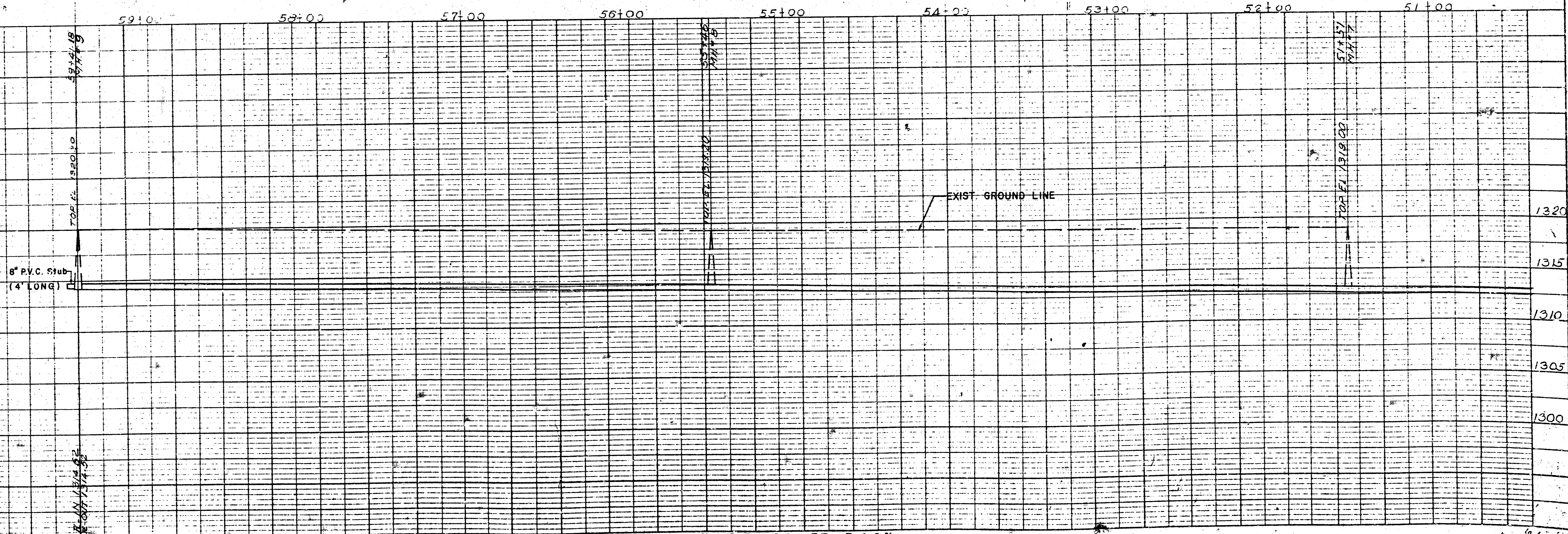
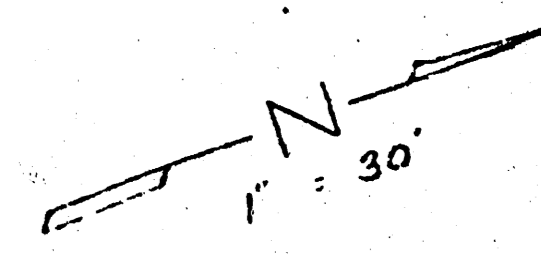
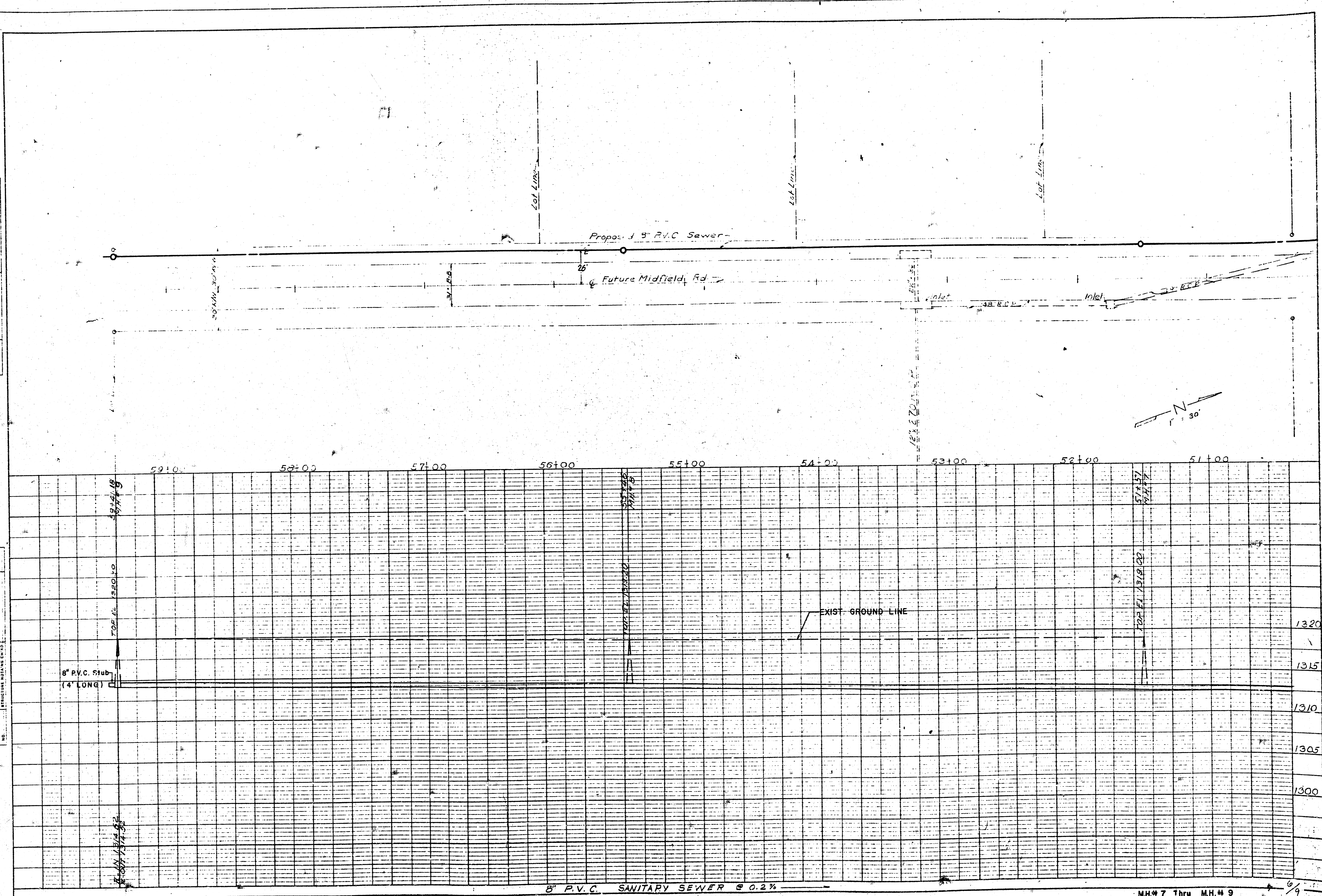
M.H.#5 Thru M.H.#7  
STA. 43+30 - 51+51

PLATE 1 PLAN-PROFILE D. P. E. & S. STANDARD  
100% AND GEOMETRIC VERIFICATION AND PRINTED IN U.S.A.  
EVANS & SUTHERLAND CO.

SHEET 5

DATE	12/27
BY	
APPROVED	
DATE	
NO. OF PAGES	1
NO.	

DATE	
BY	
APPROVED	
DATE	
NO. OF PAGES	1
NO.	

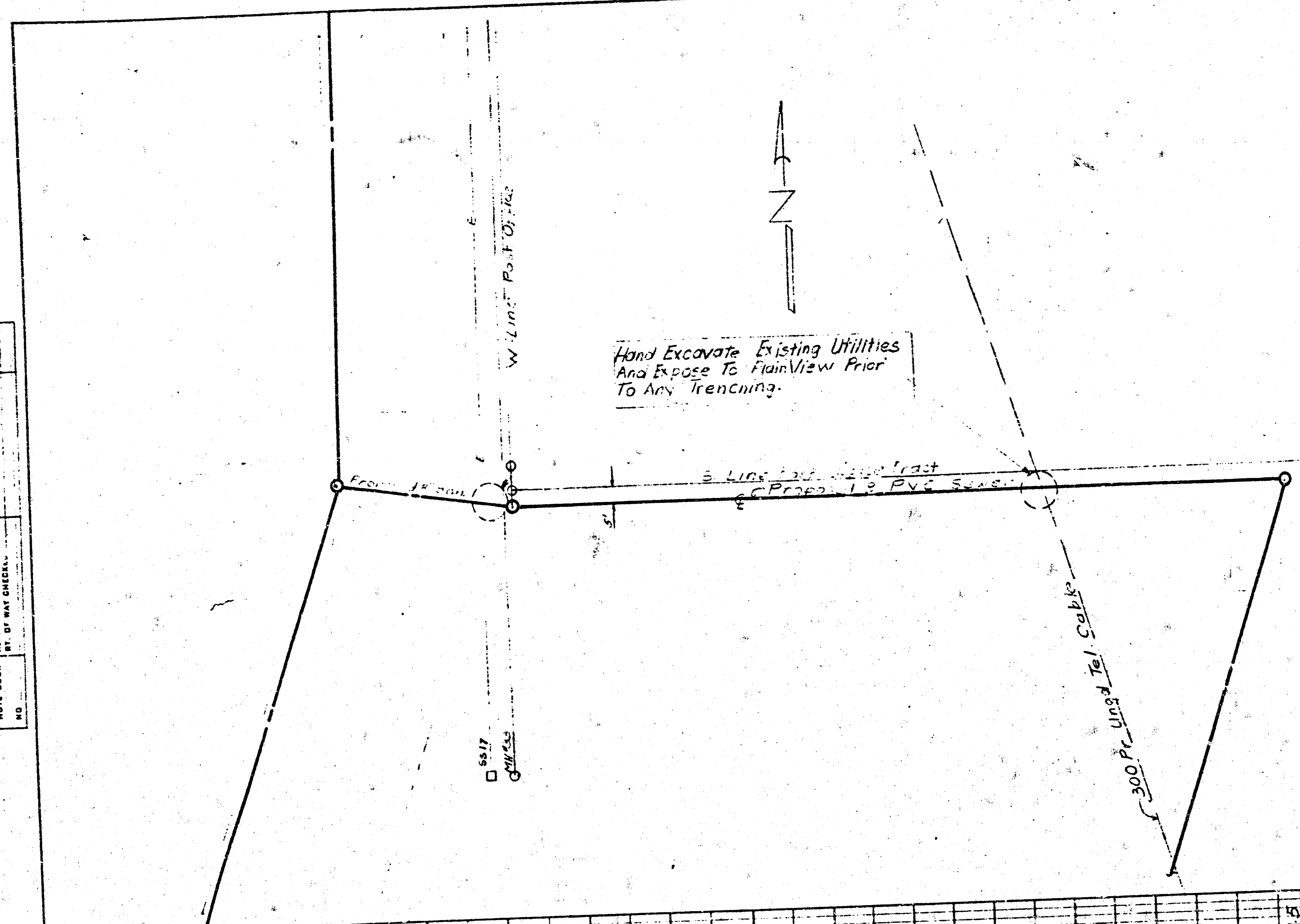


8" P.V.C. SANITARY SEWER @ 0.2%

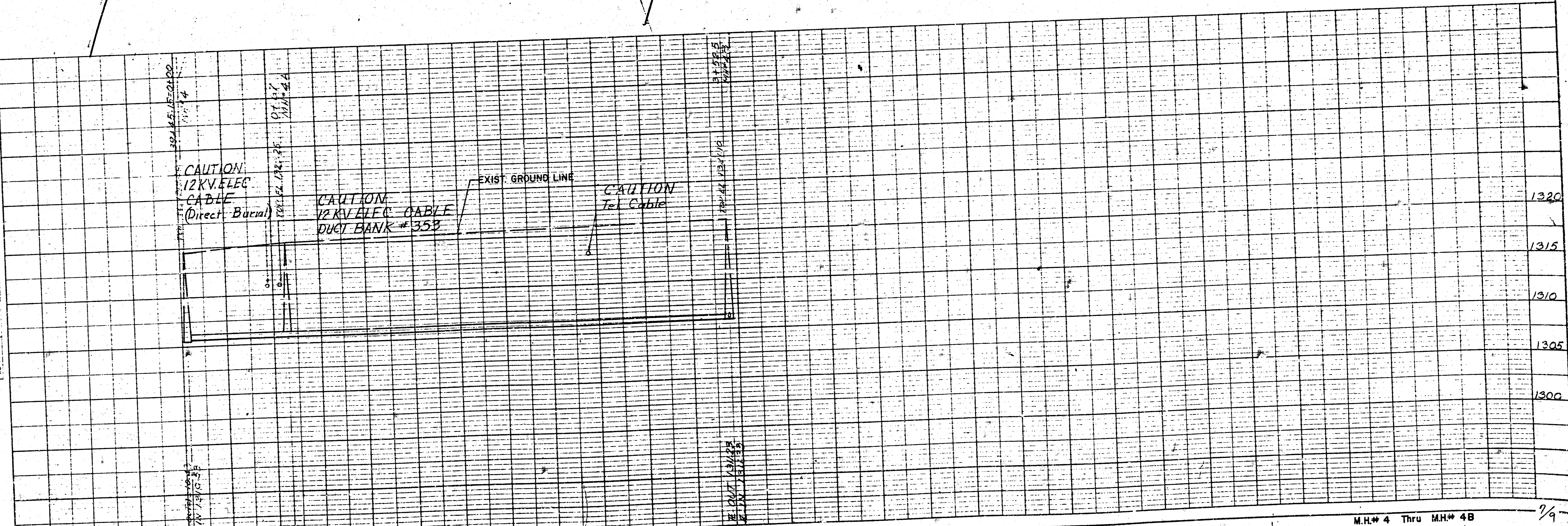
PLATE 1 PLAN/PROFILE D. P. & L. S. BRANDAGE  
100% AND APPROVED VERTICAL CURVE AND PRINTED IN U. S. A.  
LUCIENE DETZOLD CO.

M.H.#7 Thru M.H.#9  
STA 51+51 - 59+41.18 SHEET 6

DATE	06.12.12
BY	D.Z.
PROJECT	
NO. OF SHEETS	
NO. OF THIS SHEET	
PLAN	
NOTE BOOK	
NO.	



DATE	
BY	
PROJECT	
NO. OF SHEETS	
NO. OF THIS SHEET	
PROFILE	
NOTE BOOK	
NO.	



6" P.V.C SANITARY SEWER @ 0.2%

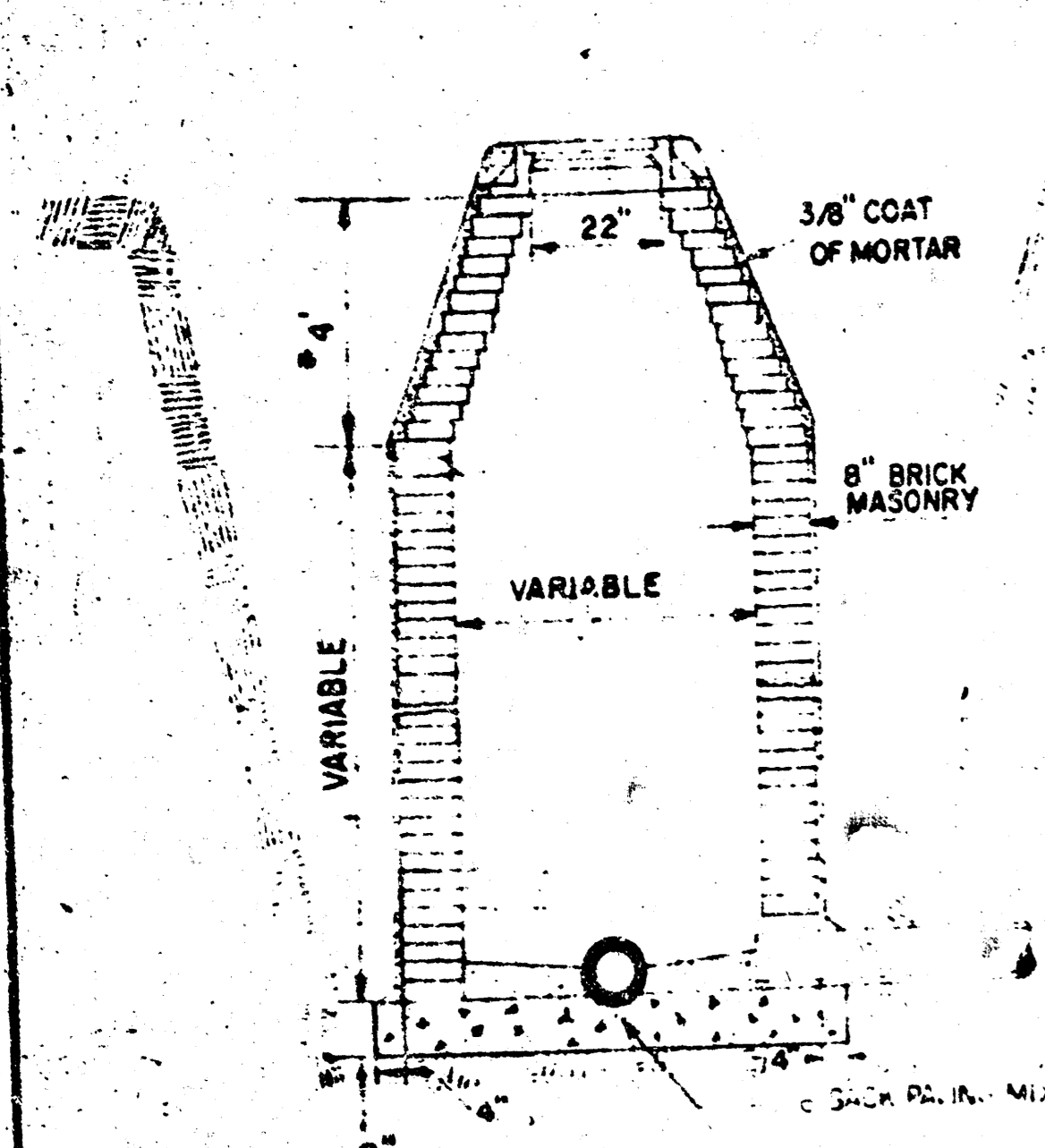
PLATE 1 PLAN-PROFILE O. P. & S. STANDARD  
100% HAS APPROVED AND PRINTED IN U. S. A.  
EUGENE DISTON CO.

M.H.# 4 Thru M.H.# 4B  
STA 39+75 = 0+00 - 3+52.5 SHEET 7

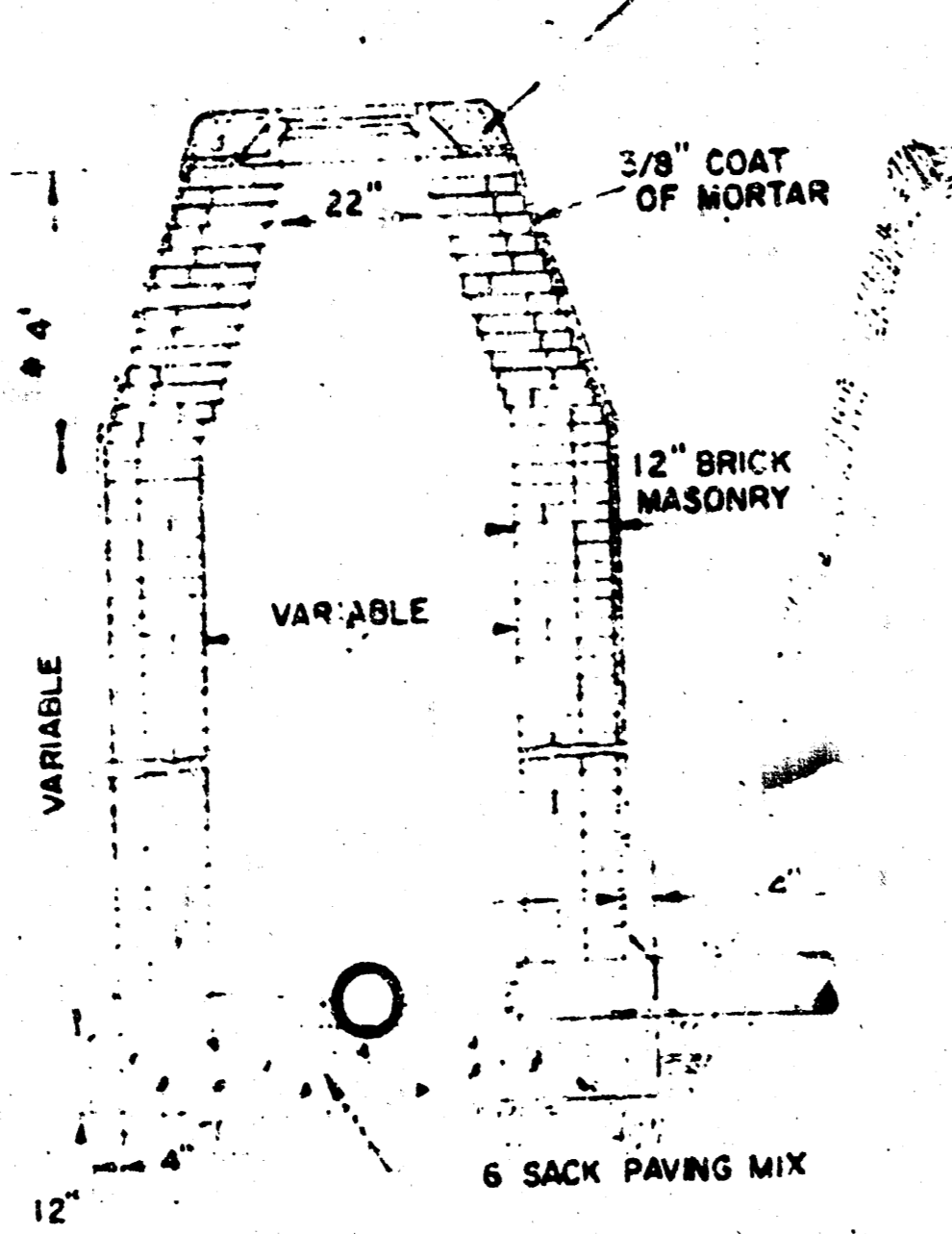
7/9



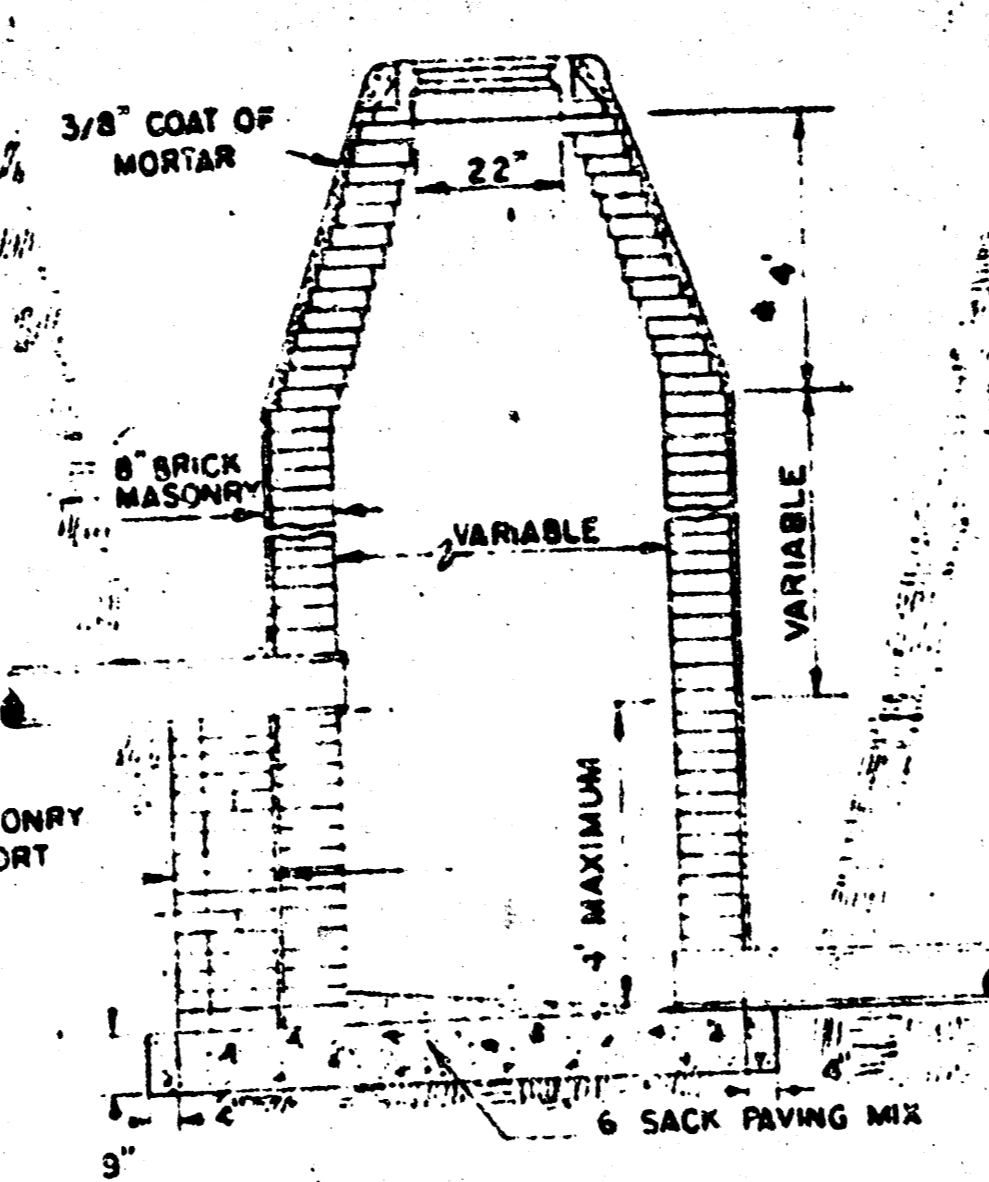
GROUT TO BE PLACED AROUND MANHOLE RING ONLY WHEN MANHOLE IS CONSTRUCTED IN UNPAVED AREAS. (TYPICAL ALL MANHOLES)



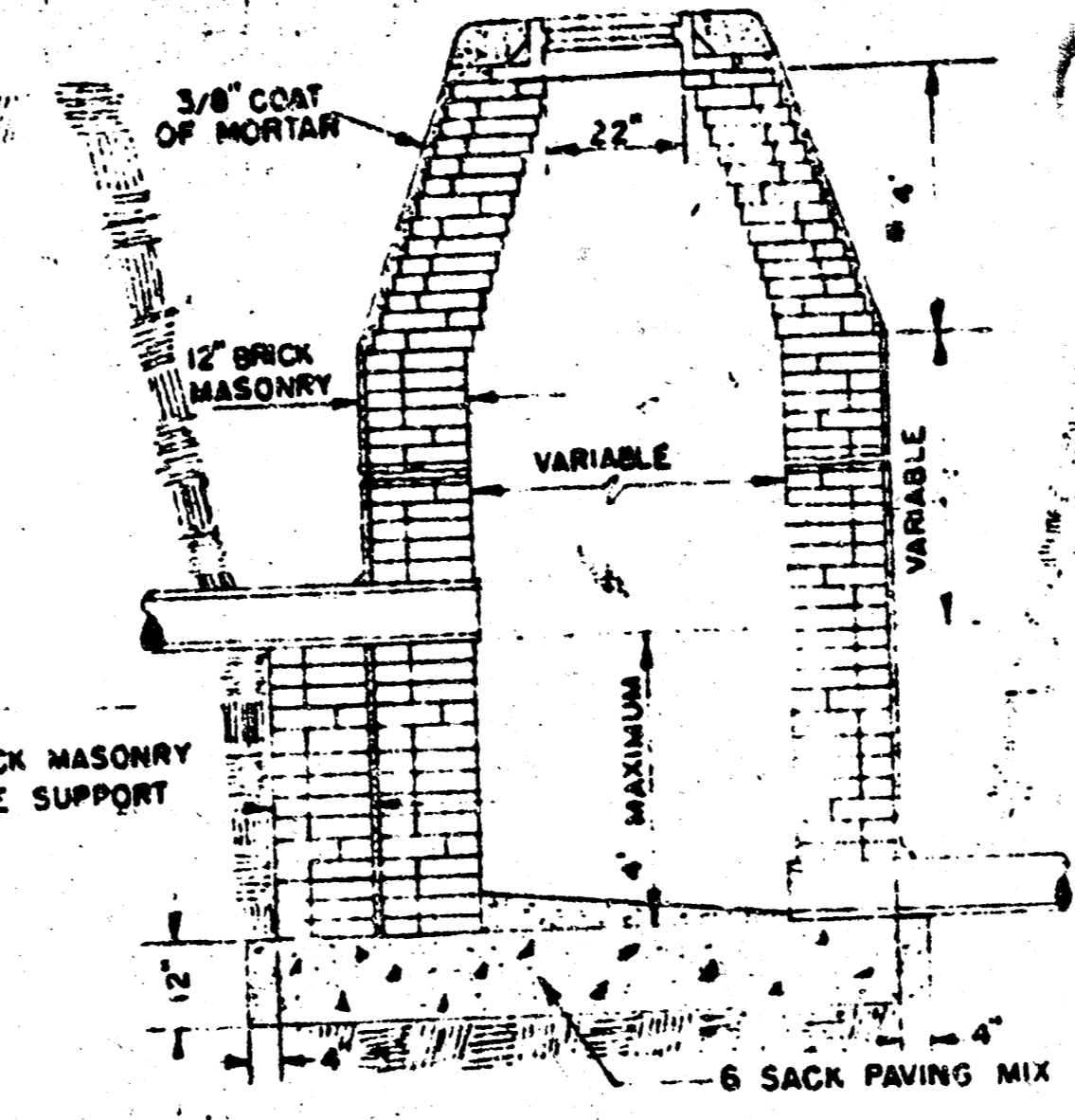
STANDARD MANHOLE TYPE "A"



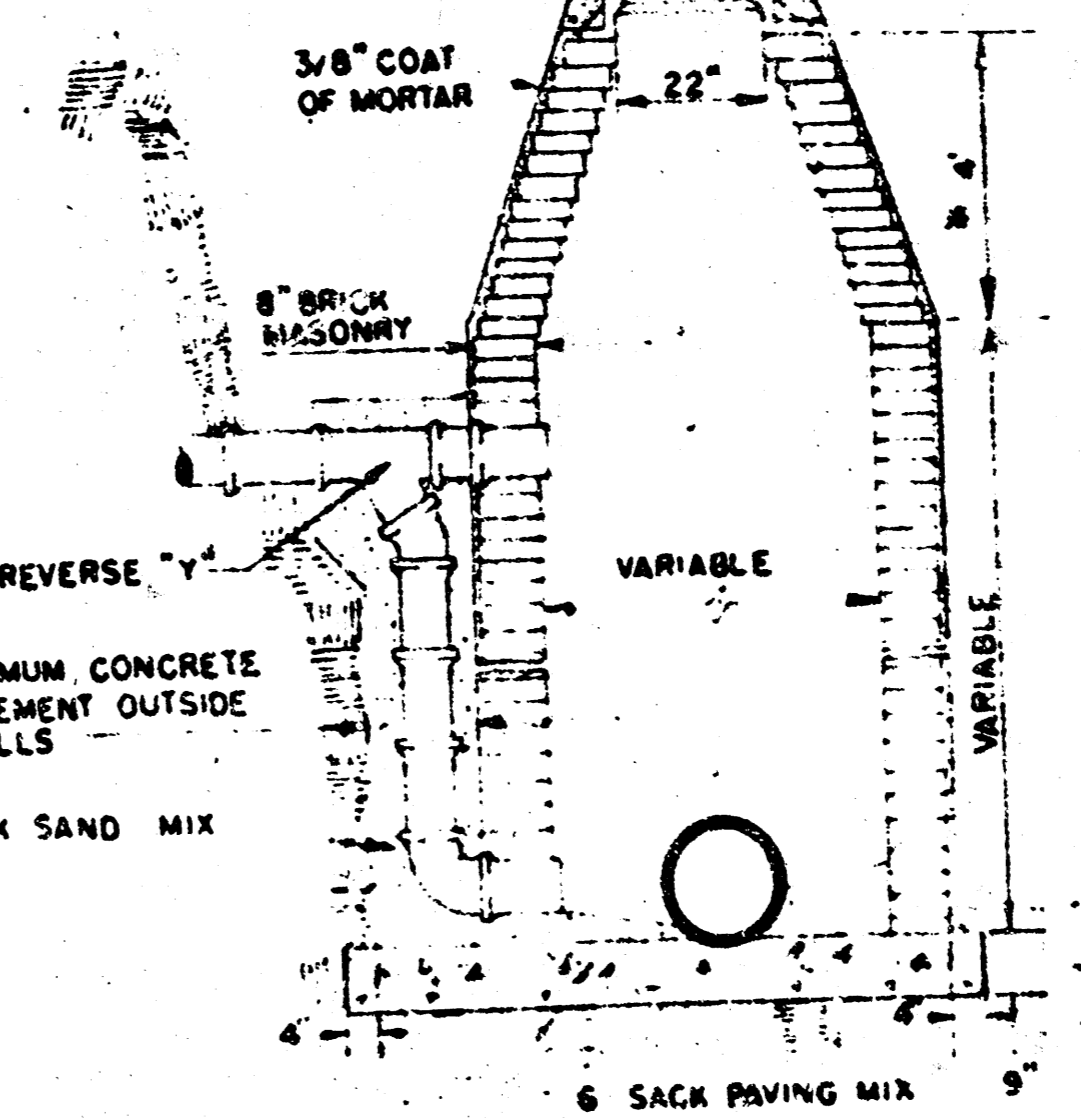
STANDARD MANHOLE TYPE "B"



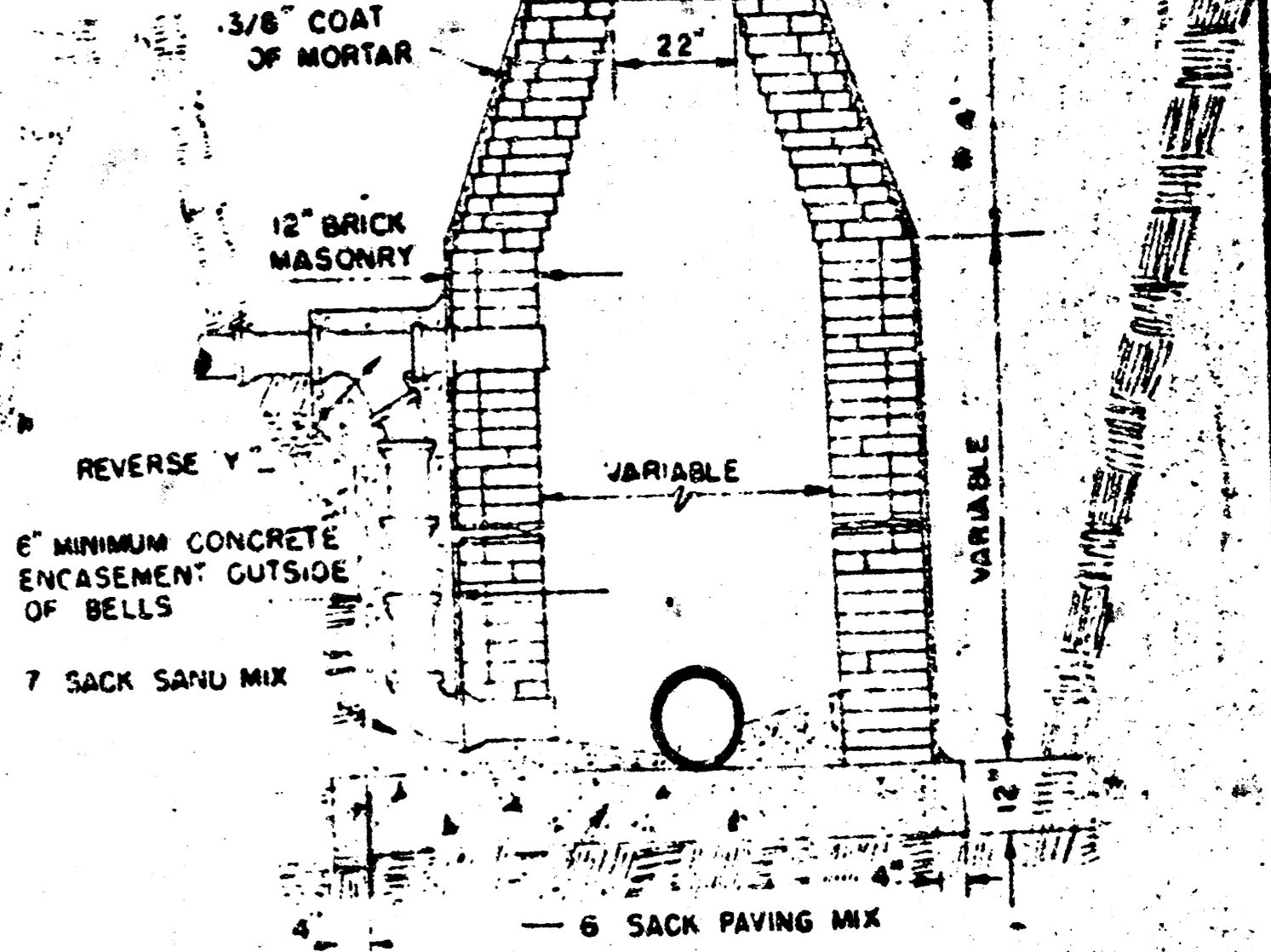
DROP MANHOLE TYPE "A"



DROP MANHOLE TYPE "B"



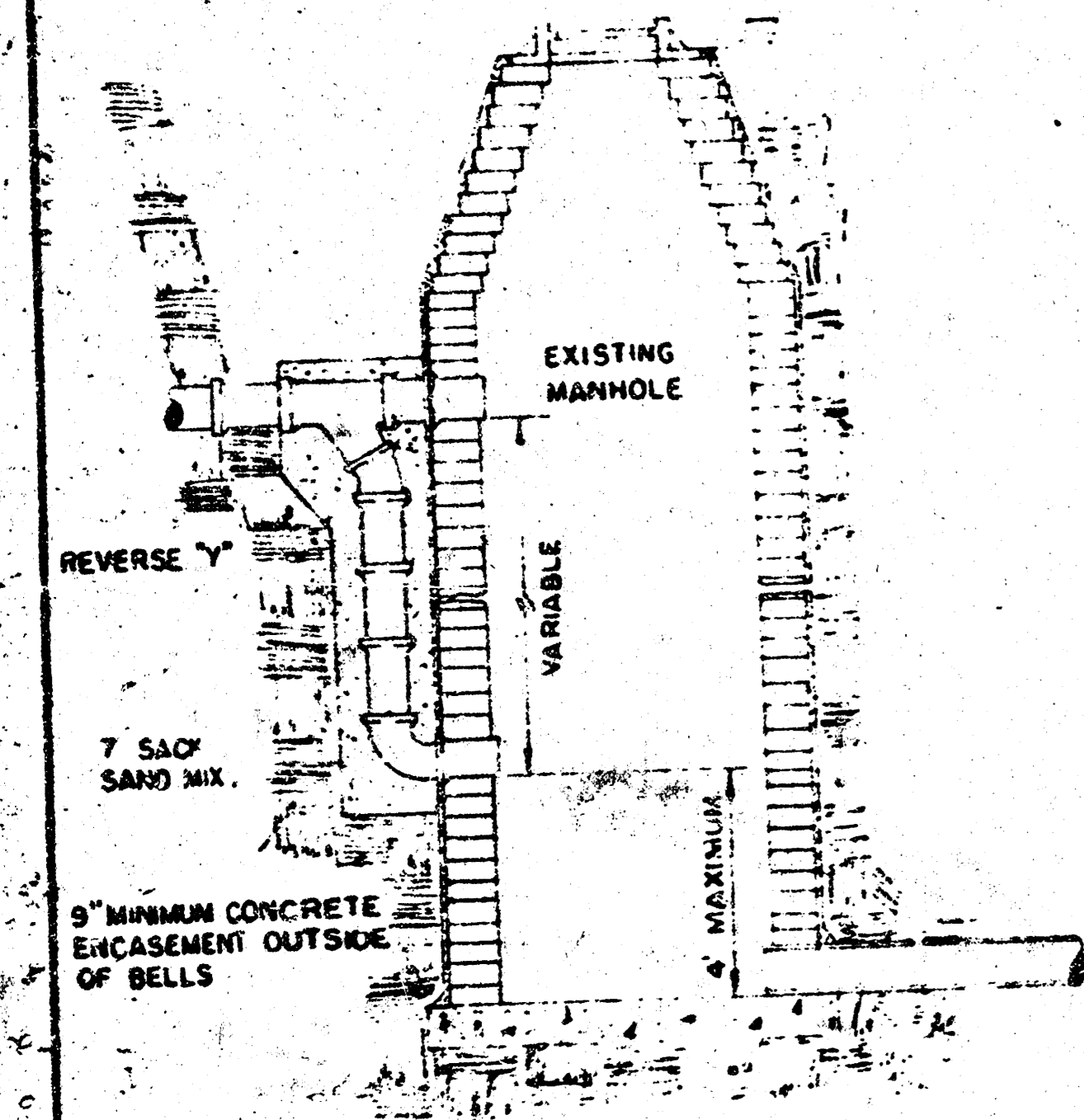
OUTSIDE DROP MANHOLE TYPE "A"



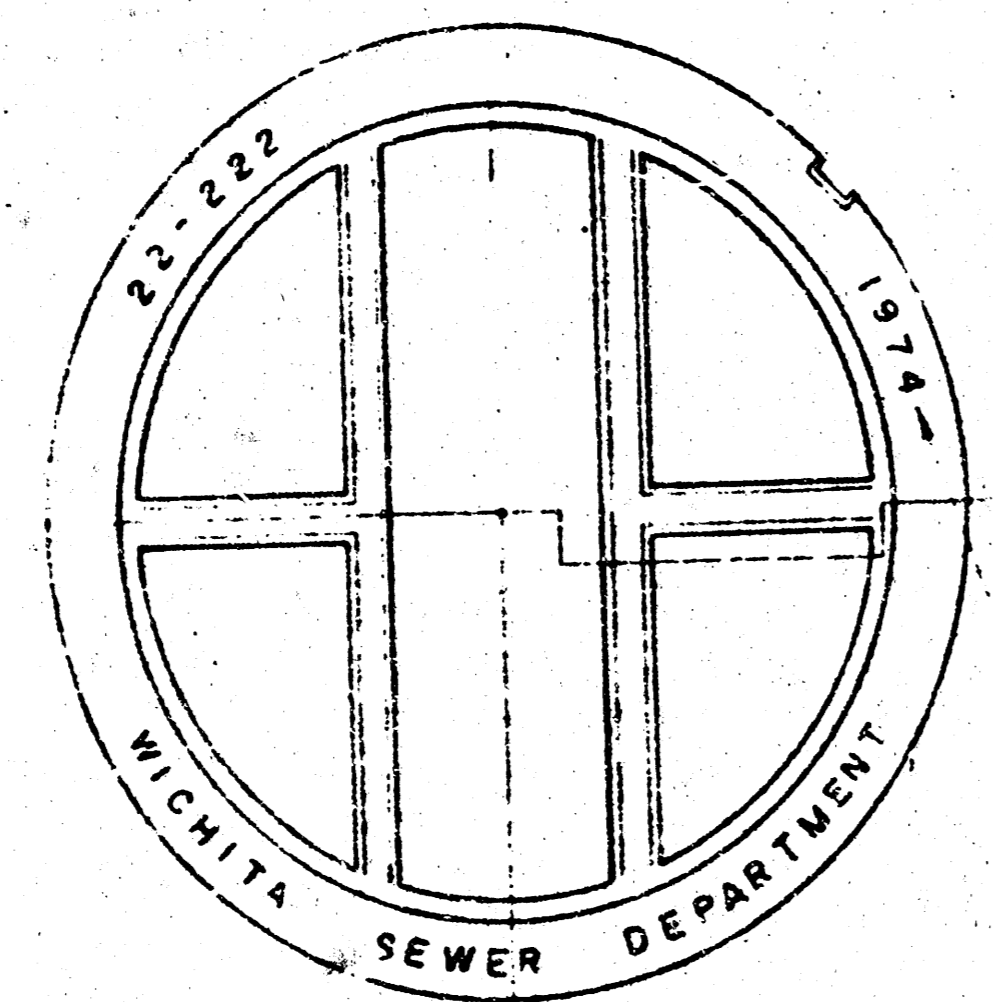
OUTSIDE DROP MANHOLE TYPE "B"

NOTE: REINFORCING STEEL SHALL BE INSTALLED IN THE MANHOLE BASES 6" ABOVE THE BOTTOM. REINFORCING STEEL SHALL CONSIST OF NO. 4 BARS PLACED ON 6" CENTERS IN BOTH DIRECTIONS. THE COST OF REINFORCING STEEL IS TO BE INCLUDED IN THE PRICE BID FOR THE MANHOLE.

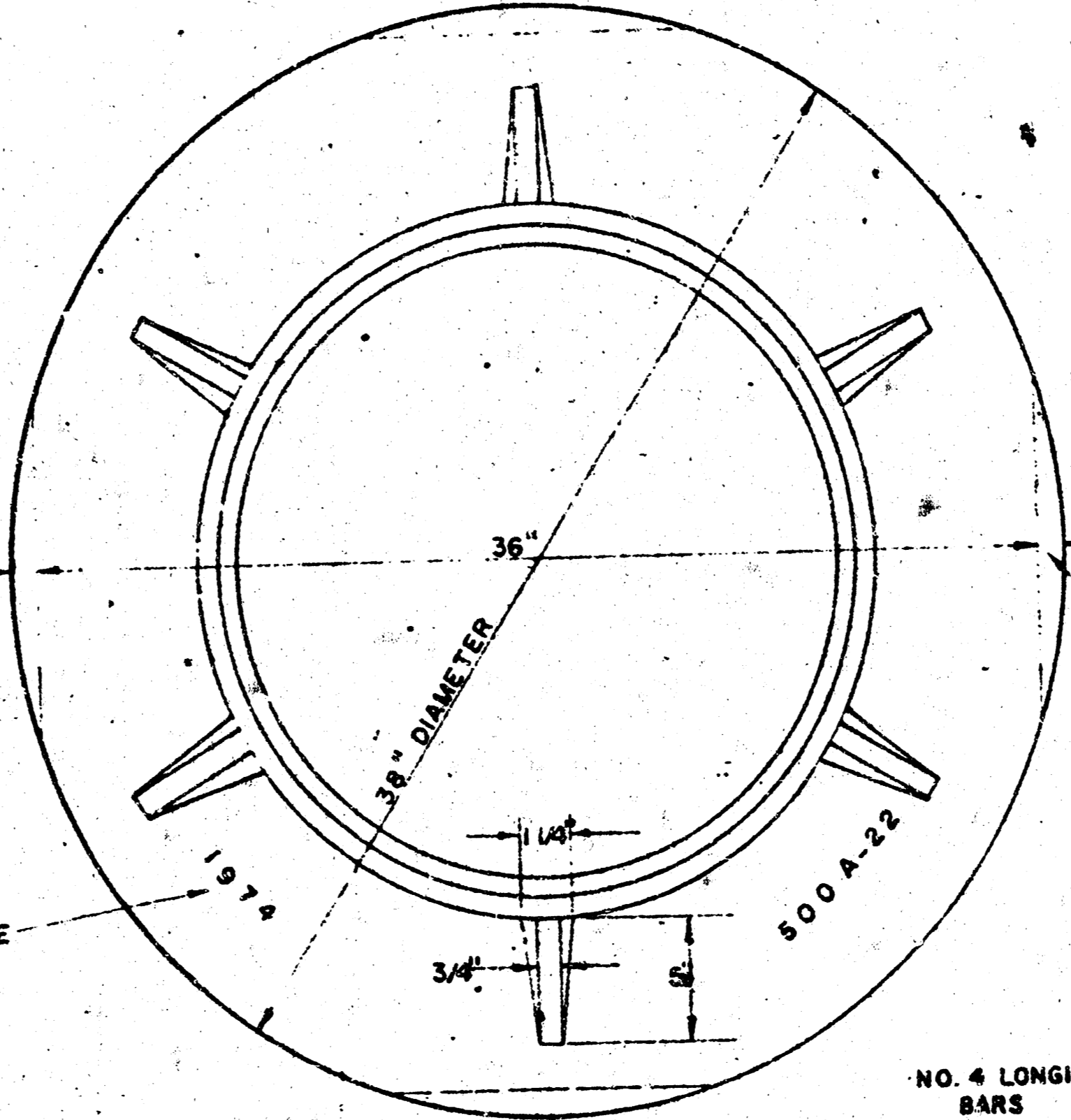
\* DRAW = 6' ON 5' DIA. M.H.



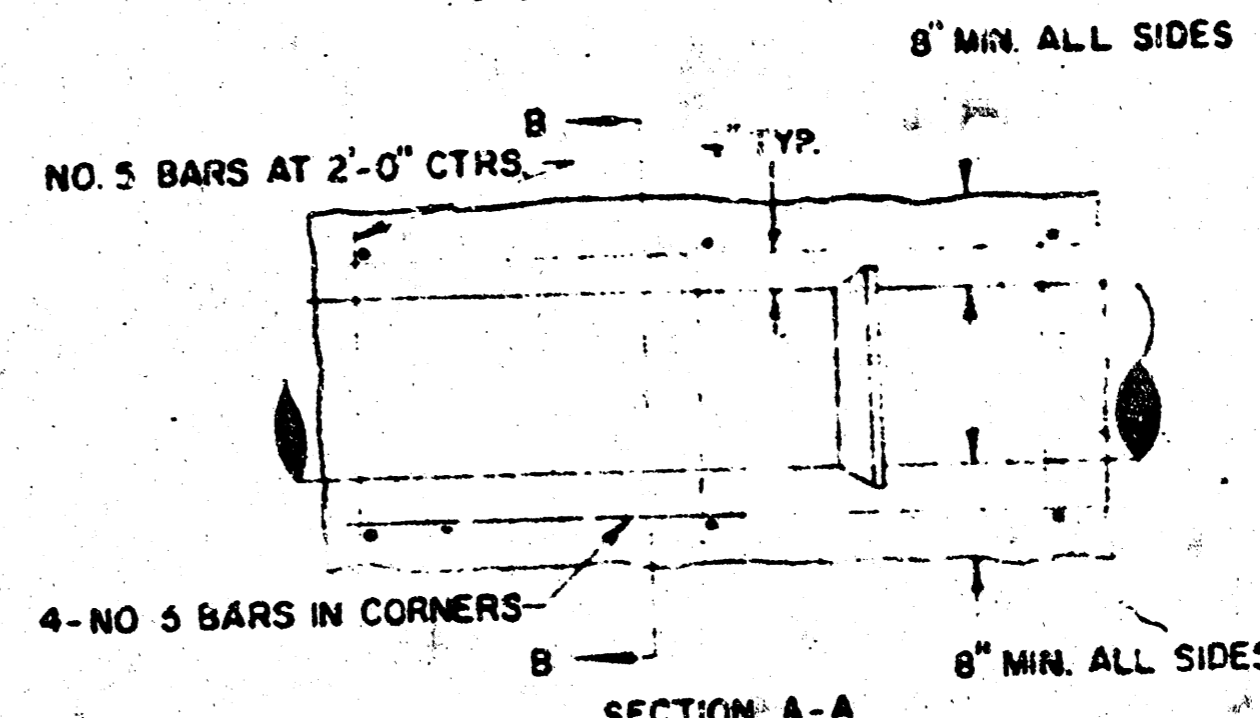
DETAIL OF DROP STACK FOR EXISTING MANHOLES IN GROUND WATER



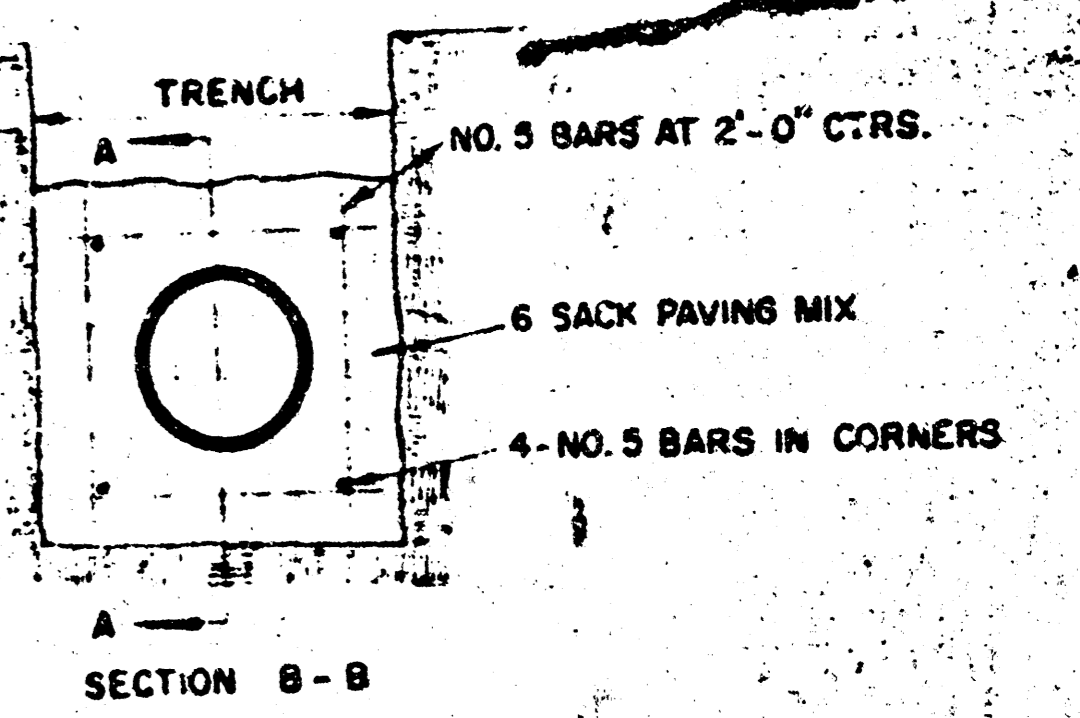
TOP VIEW MANHOLE COVER WEIGHT 110 LBS.



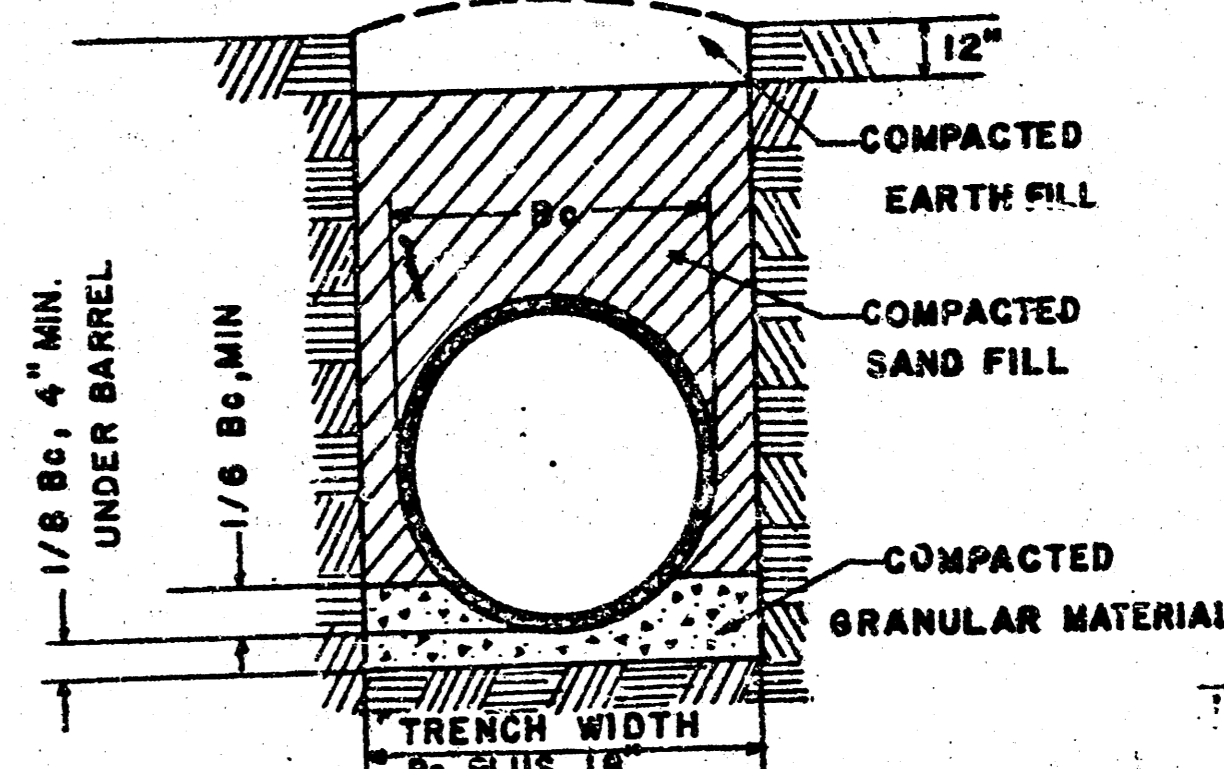
TOP VIEW MANHOLE RING WEIGHT 325 LBS. RING NO. 500A WEIGHT 800 LBS. RING NO. 500AS



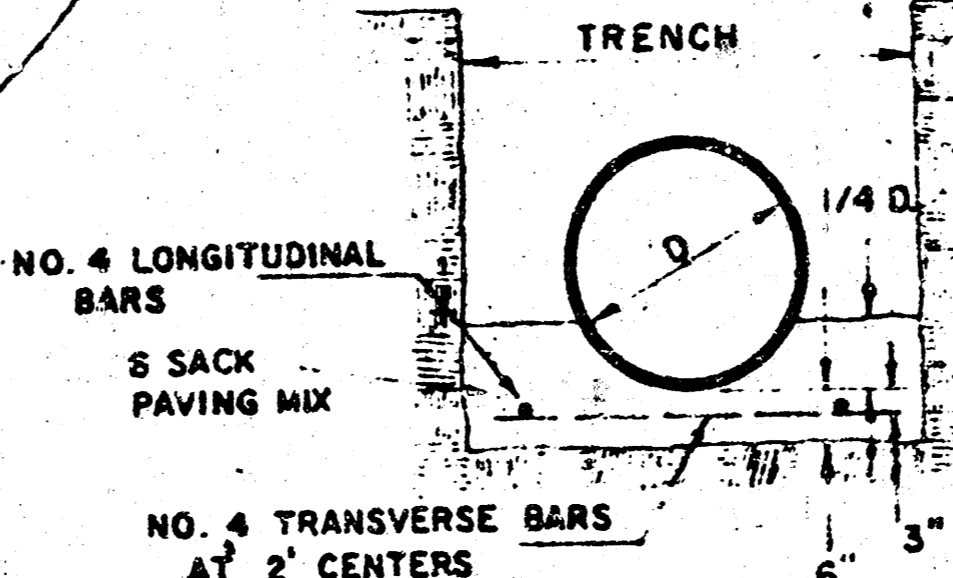
SECTION A-A REINFORCED CONCRETE ENCASMENT



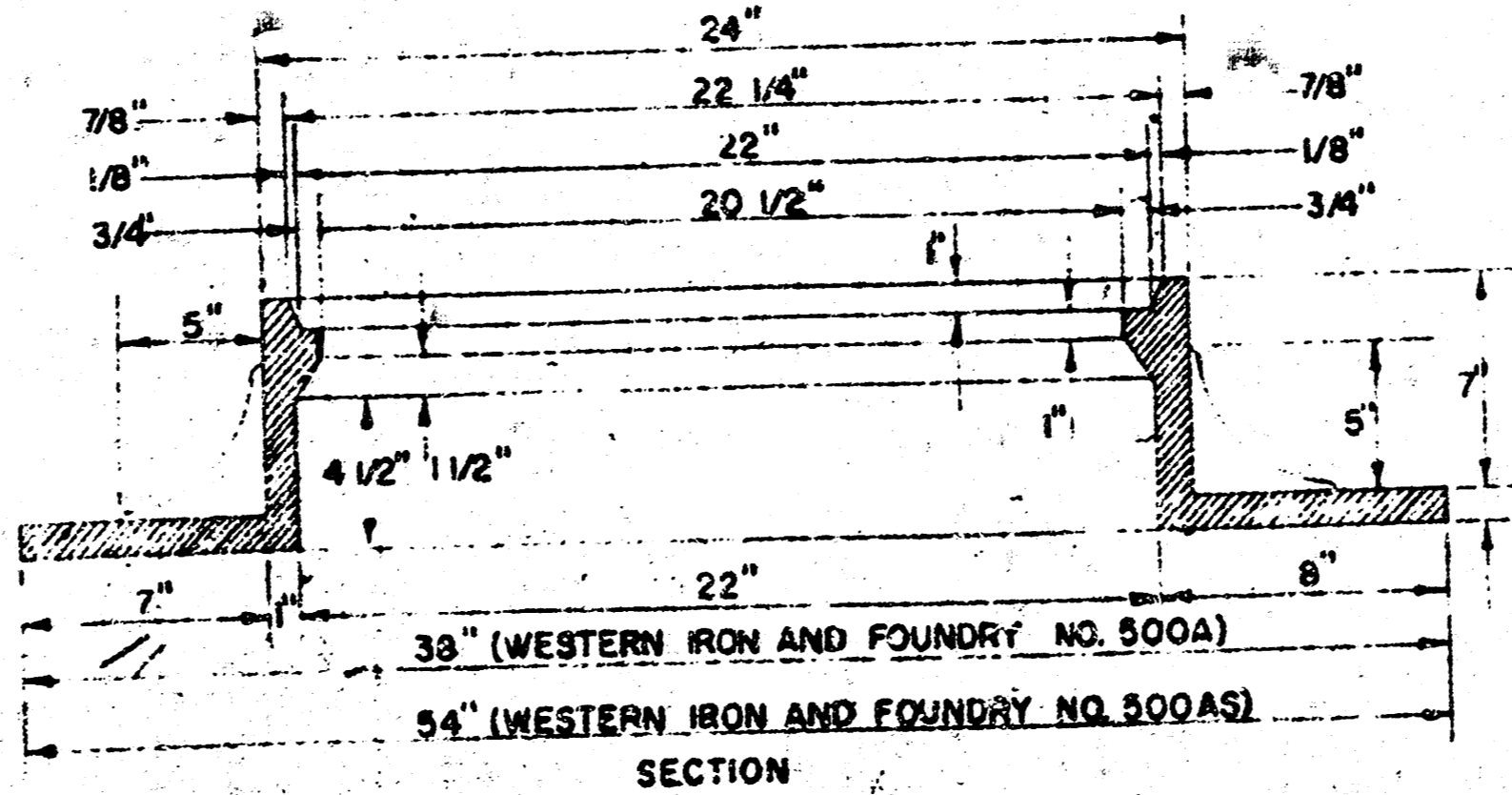
NOTE: CONCRETE ENCASMENT AND CONCRETE CRADLE SHALL BEGIN AND END AT A JOINT WHEN CLAY PIPE IS USED.



DETAIL OF IMPROVED BEDDING FOR DUCTILE IRON PIPE

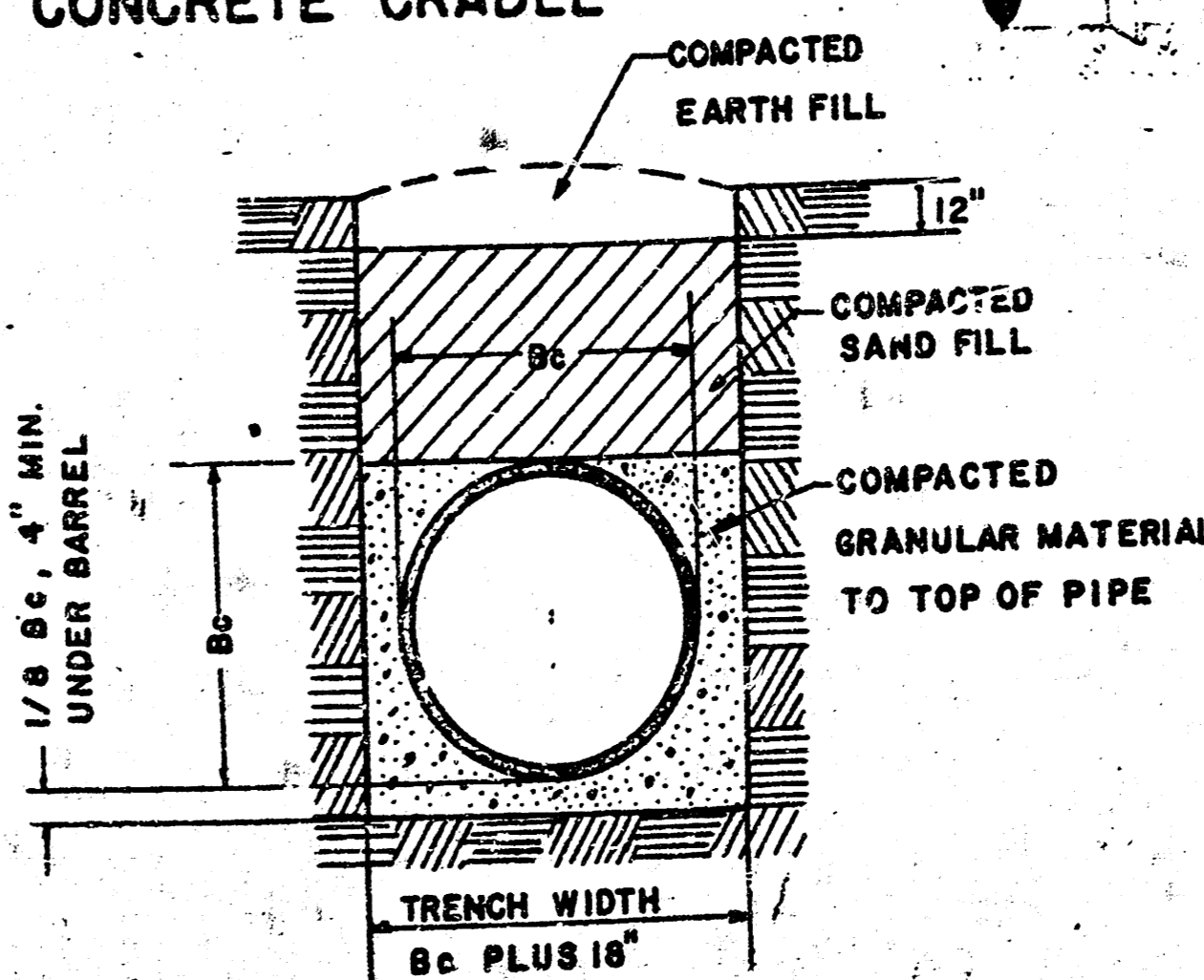


DETAIL OF CONCRETE CRADLE

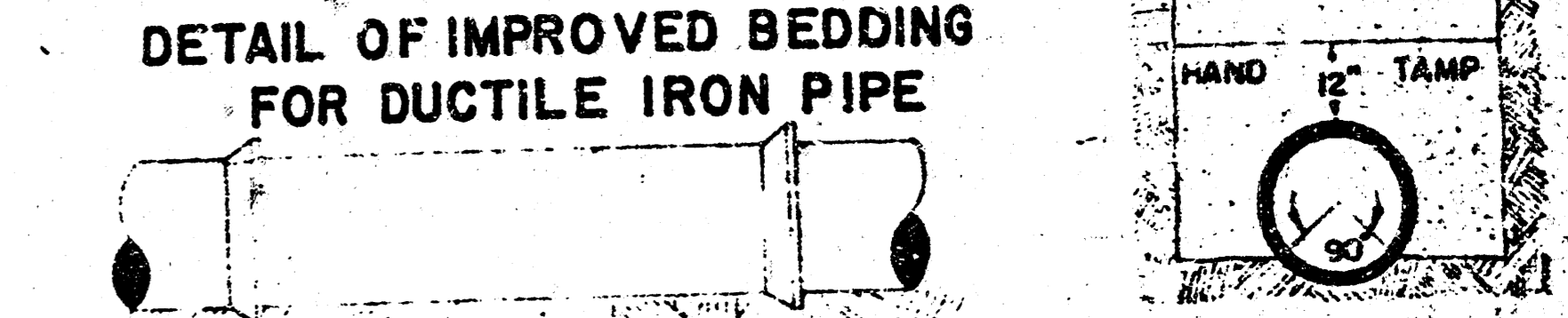


SECTION MANHOLE RING

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



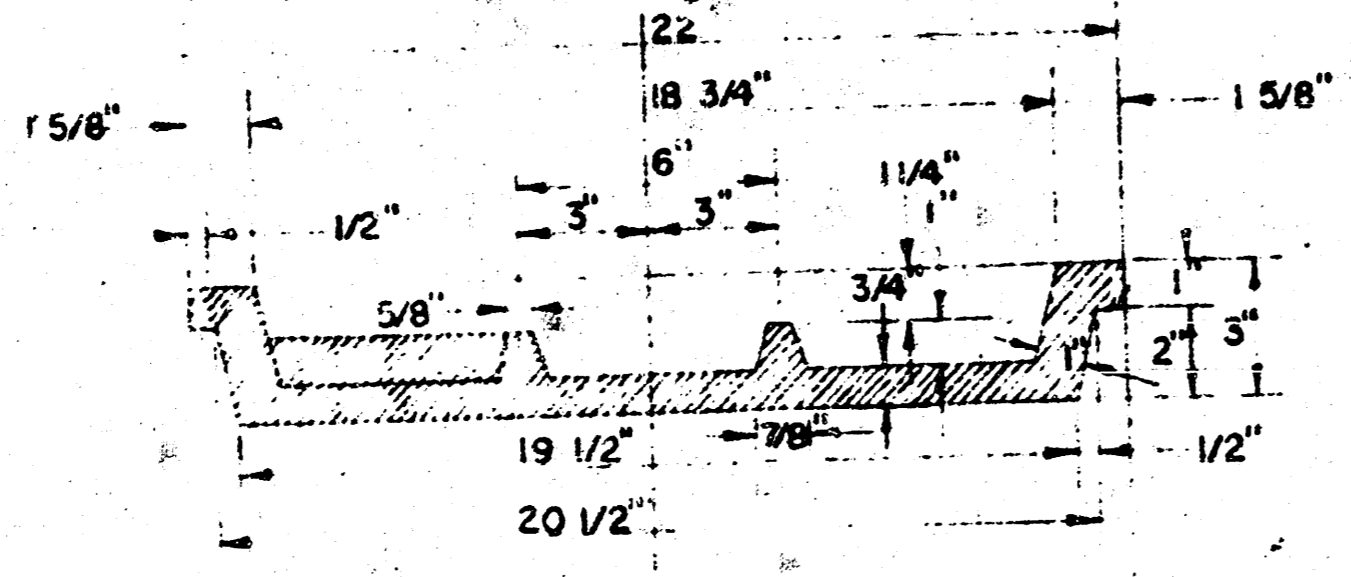
DETAIL OF IMPROVED BEDDING FOR P.V.C. PIPE



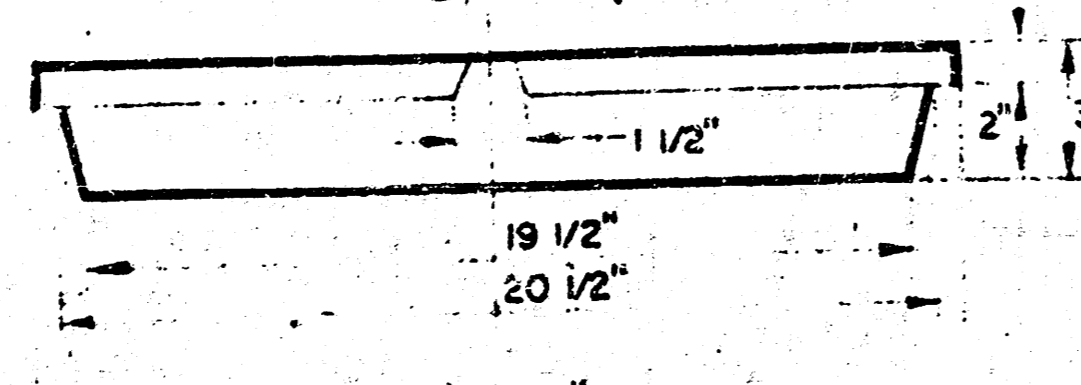
ORDINARY BEDDING METHOD STORM SEWER PIPE

GENERAL NOTES

- MORTAR USED IN MASONRY CONSTRUCTION SHALL CONTAIN 8 SACKS OF CEMENT PER CUBIC YARD.
- STANDARD MANHOLES TYPE "A" OR TYPE "B" AND STANDARD DROP MANHOLES TYPE "A" OR TYPE "B" SHALL BE BID AS STANDARD MANHOLES FOR THE TYPE AND DIAMETER INDICATED.
- OUTSIDE DROP MANHOLES SHALL BE BID AS STANDARD OUTSIDE DROP MANHOLES FOR THE TYPE AND DIAMETER INDICATED. ALL MANHOLE DIAMETERS WILL BE 4' UNLESS INDICATED OTHERWISE.
- MANHOLES WITH PIPE SIZES LARGER THAN 24" SHALL BE 5' DIAMETER.
- THE FLOORS OF ALL MANHOLES SHALL BE SHAPED TO INCREASE HYDRAULIC EFFICIENCY USING 8 SACK SAND MIX CONCRETE.
- PIPES INSTALLED WITHIN THE MANHOLE EXCAVATION SHALL BE CRADLED WITH CONCRETE TO THE LIMITS OF THE MANHOLE EXCAVATION. COST OF CRADLE WITHIN MANHOLE EXCAVATION SHALL BE INCLUDED IN THE PRICE BID FOR THE MANHOLE. CRADLE SHALL EXTEND TO FIRST JOINT OUTSIDE OF MANHOLE WHEN CLAY PIPE IS USED.



SECTION A-A MANHOLE COVER



SIDE VIEW MANHOLE COVER

REVISED 4-13-77  
 DETAILS OF SEWER APPURTENANCES ADOPTED AS STANDARD DESIGN BY ENGINEERING DIVISION CITY OF WICHITA, KANSAS R. W. LINN CITY ENGINEER 1974