

WICHITA MID-CONTINENT AIRPORT

PLANS FOR

8" P.V.C. SANITARY SEWER

WICHITA AIRPORT AUTHORITY

WICHITA, KANSAS

FEB. 1980

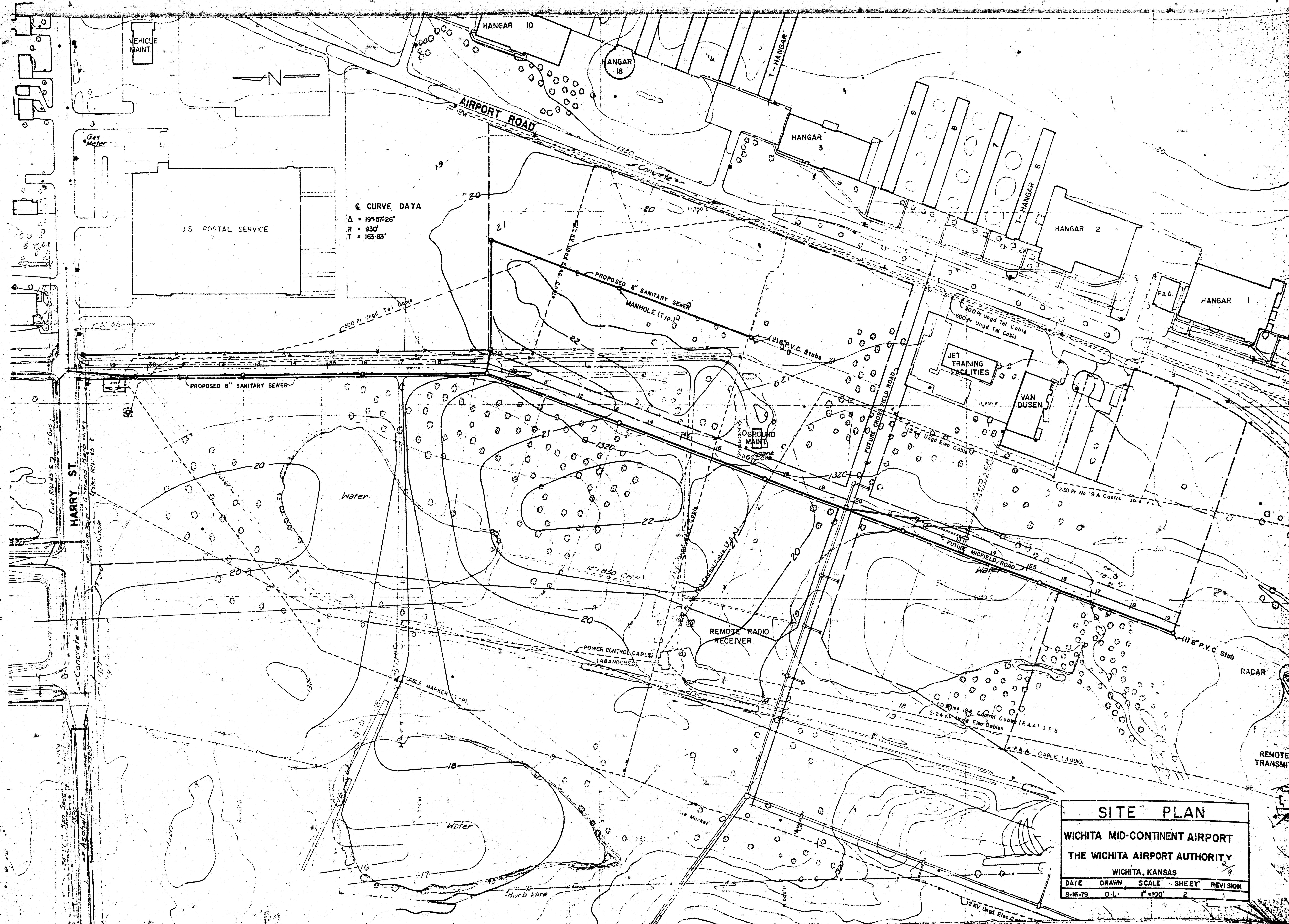
1-21-80
APPROVED AS NOTED
By CITY ENGINEER OF WICHITA
Sanitary Sewers *BCA*
Storm Sewers
Driveway Approaches

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 *inspection*.

PROJECT No. 468-76-245-*80804*-000-000-008

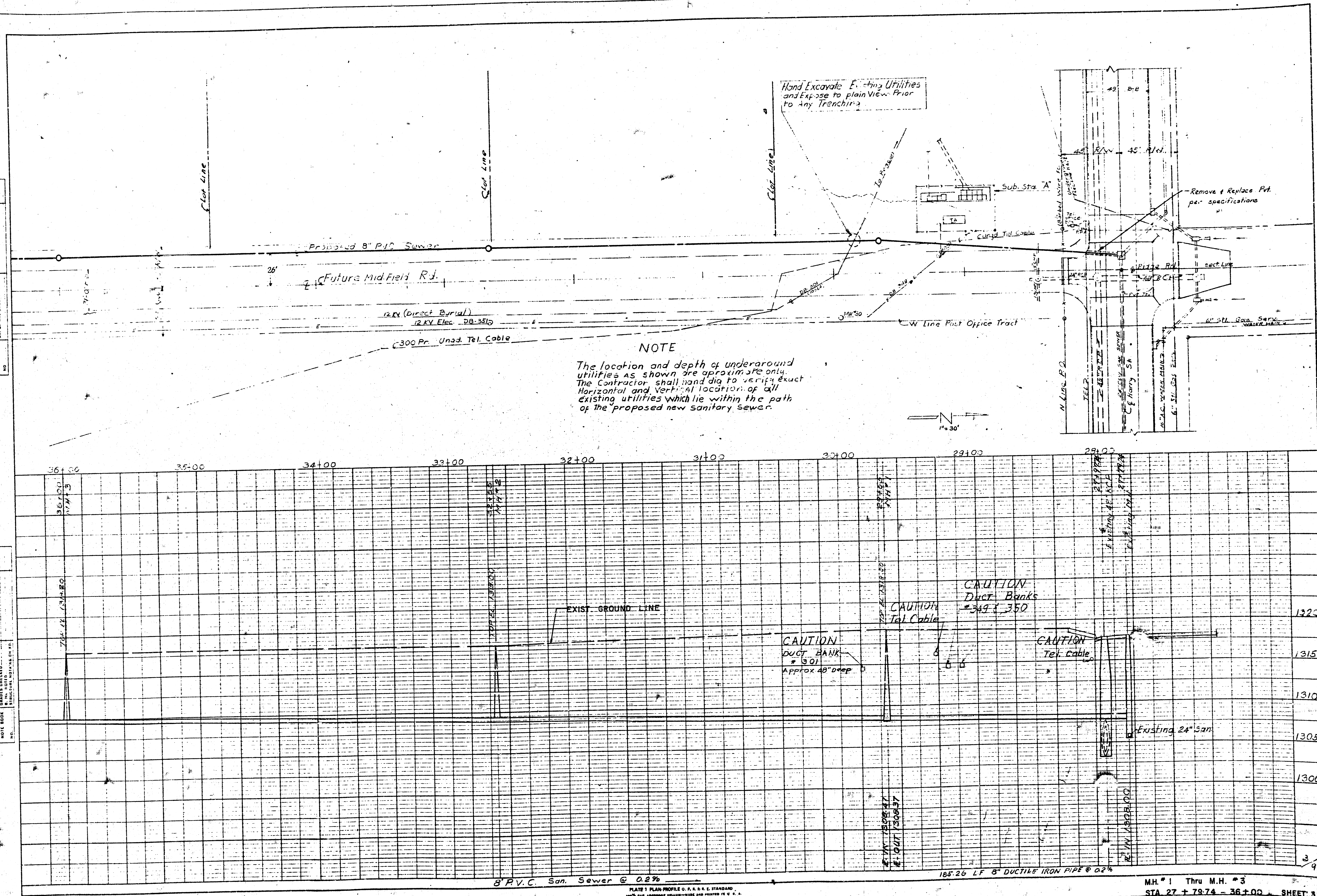
APPROVED
[Signature]
DIRECTOR OF AVIATION
[Signature]
DIRECTOR OF AIRPORT ENGINEERING



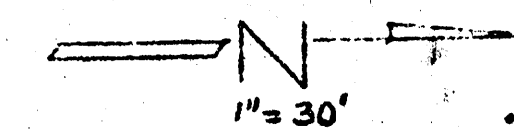


PLAN	DATE	8/6/77
	BY	DL
PROFILE	DATE	8/6/77
	BY	DL

PROFILE	DATE	8/6/77
	BY	DL
PLAN	DATE	8/6/77
	BY	DL



NOTE
 The location and depth of underground utilities as shown are approximate only. The Contractor shall hand dig to verify exact horizontal and vertical location of all existing utilities which lie within the path of the proposed new sanitary sewer.



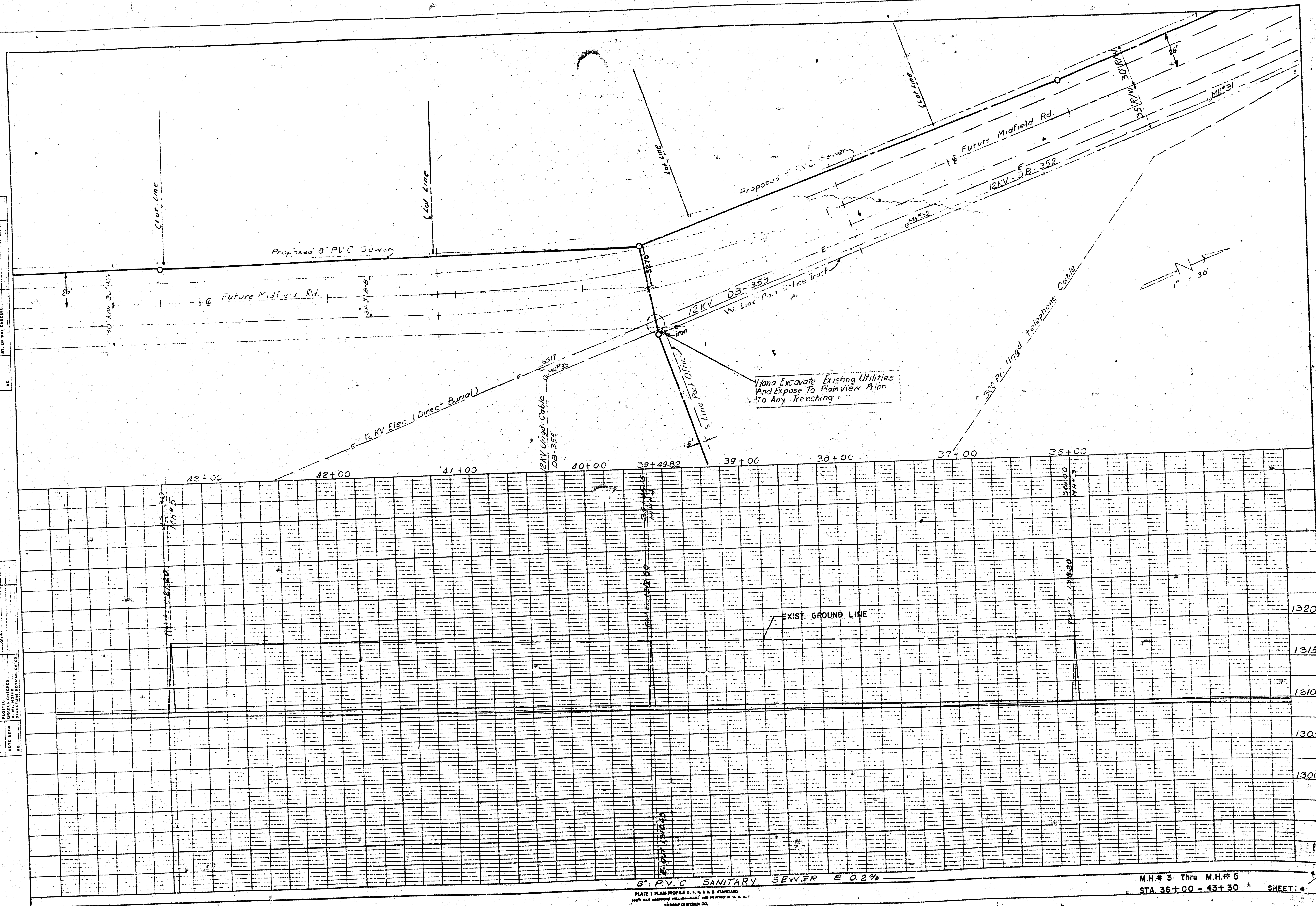
8\"/>

185.26 LF 8\"/>

M.H. #1 Thru M.H. #3
 STA 27 + 79.74 - 36 + 00 SHEET 3

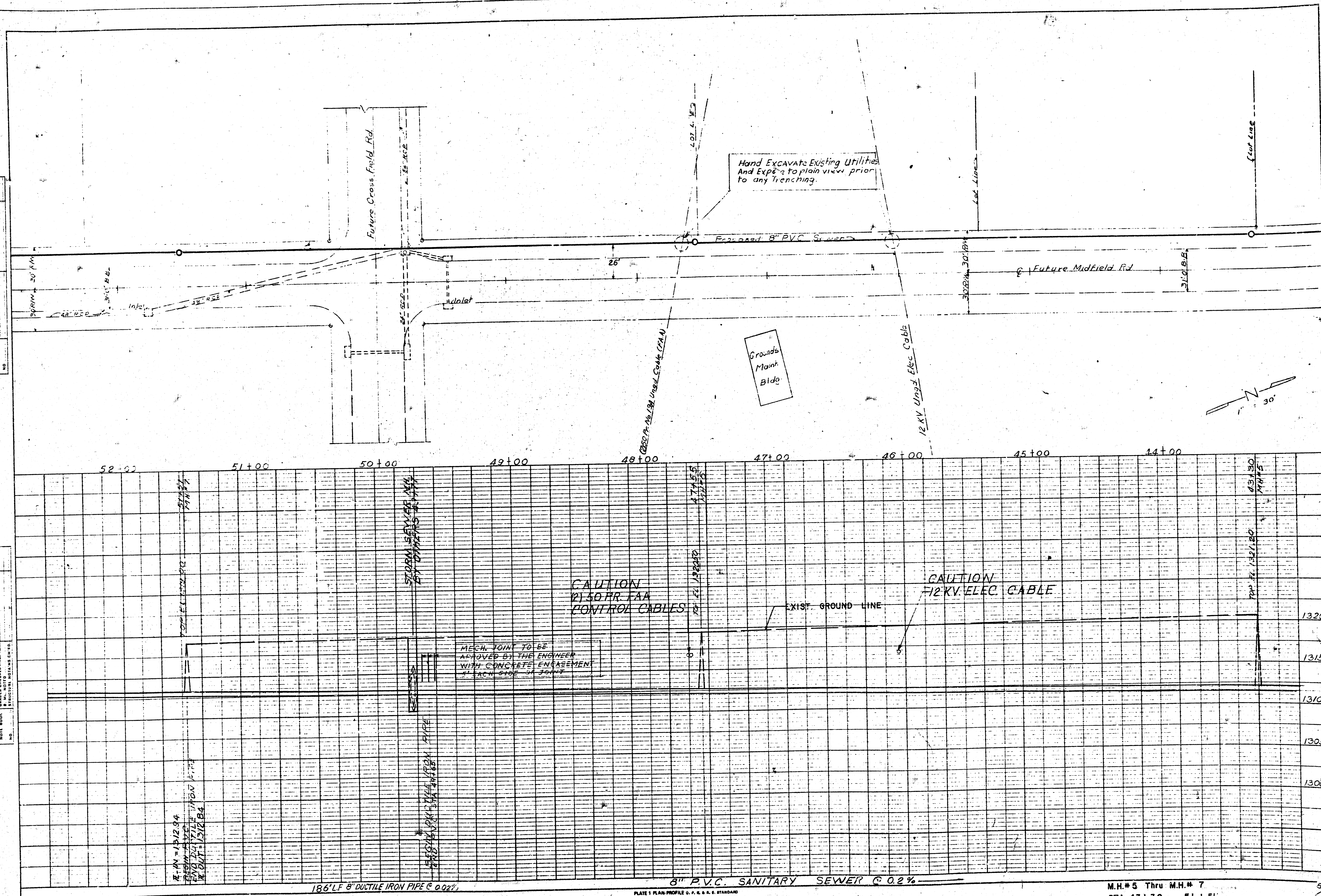
PLAN	DATE	BY
	8/6/77	DL
REVISION	NO.	DATE
1. ADJUSTMENT CHECKED	1	8/6/77
2. BY OF WAY CHECKED	1	8/6/77

PROFILE	DATE	BY
	8/6/77	DL
REVISION	NO.	DATE
1. ADJUSTMENT CHECKED	1	8/6/77
2. BY OF WAY CHECKED	1	8/6/77



PLAN	DATE	BY
	12/16/77	D.E.
NOTES	TYPED, CHECKED, AND NOTED BY THE ENGINEER	
	NOTE BOOK NO. 101 MAY 1978	

PROFILE	DATE	BY
	12/16/77	D.E.
NOTES	TYPED, CHECKED, AND NOTED BY THE ENGINEER	
	NOTE BOOK NO. 101 MAY 1978	



186' LF 8" DUCTILE IRON PIPE @ 0.02%

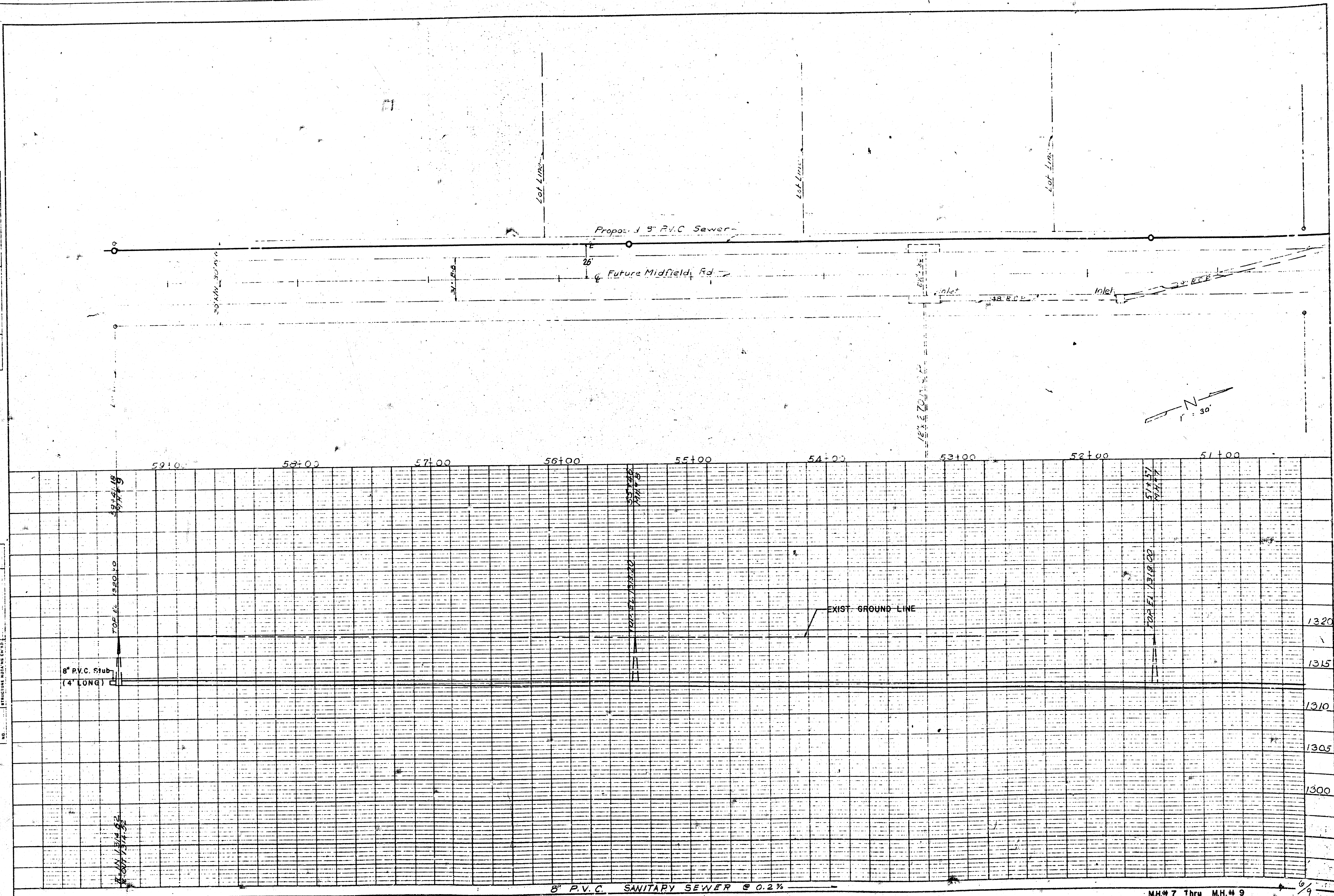
8" P.V.C. SANITARY SEWER @ 0.2%

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

SHEET 5

PLAN	DATE	BY
	12-17	D.Z.
NOTES	SUBMITTED: 12-17	
	APPROVED: 12-17	
ST. OF PAY CHECKED		

PROFILE	DATE	BY
	12-17	D.Z.
NOTES	SUBMITTED: 12-17	
	APPROVED: 12-17	
ST. OF PAY CHECKED		

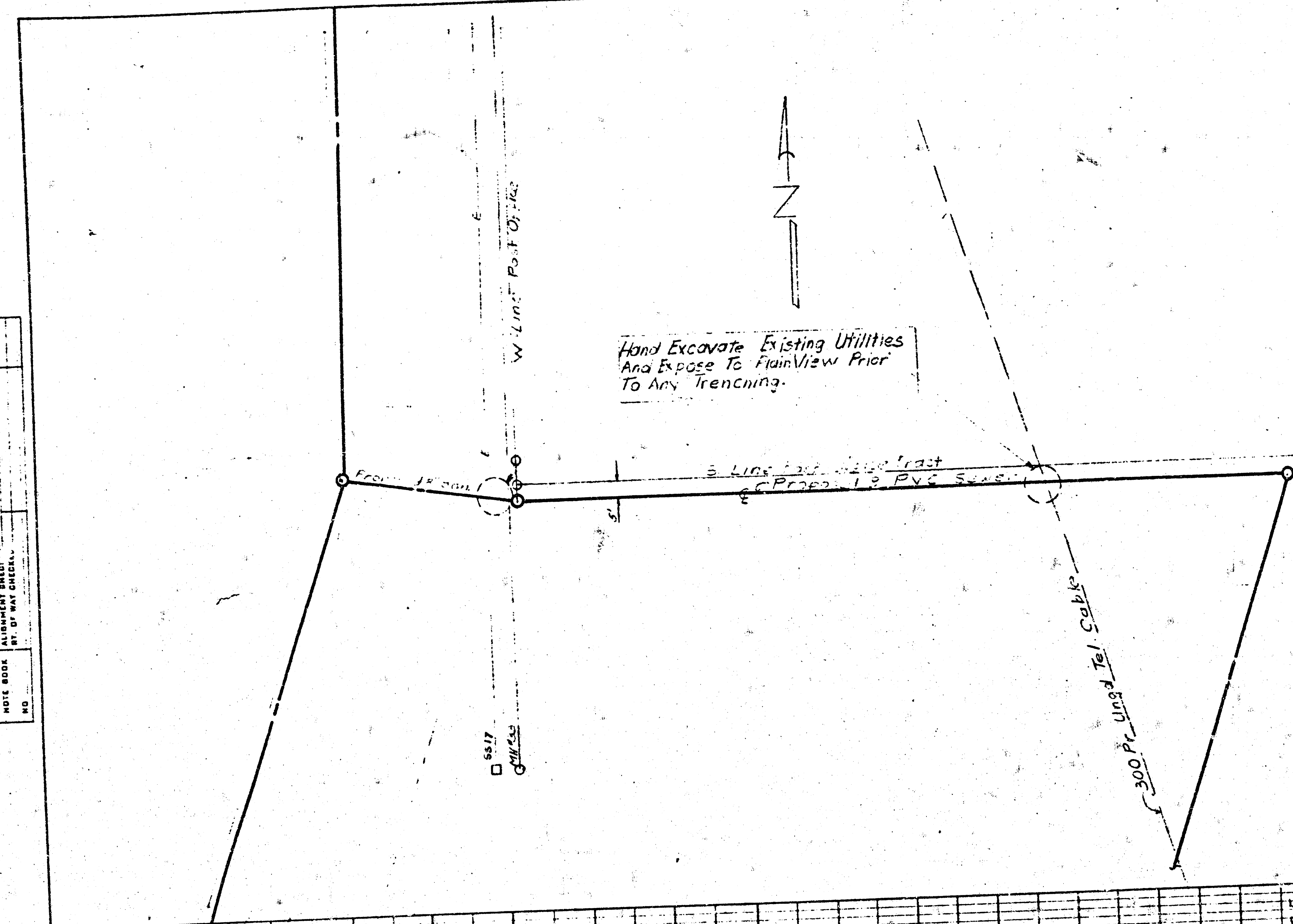


8" P.V.C. SANITARY SEWER @ 0.2%

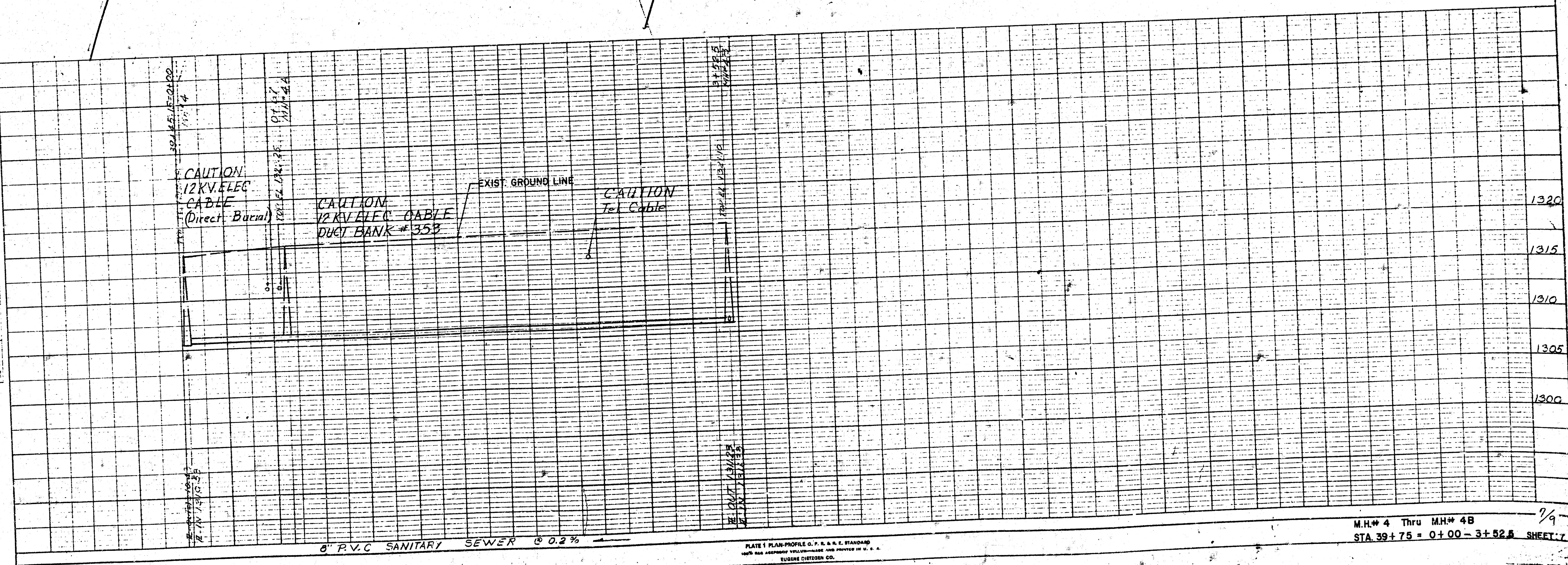
PLATE 1 PLAN/PROFILE D.P.S. & S.D. STANDARD
100% THE ABOVE-MADE AND PRINTED IN U.S.A.
EUGENE DETZOLD CO.

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

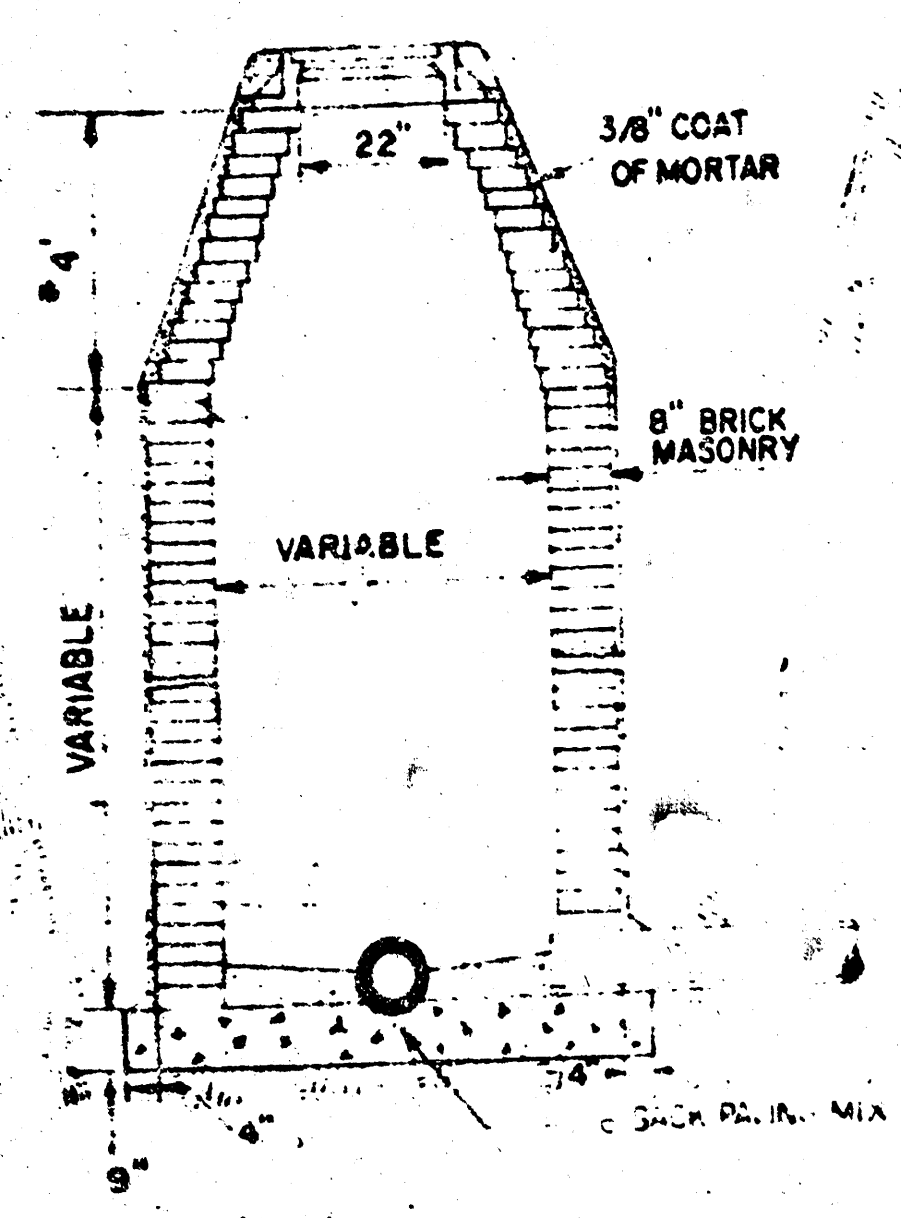
PLAN	DATE	BY
	6.16.12	DZ
NOTE BOOK	SHEET	NO.
	1	1



PROFILE	DATE	BY
NOTE BOOK	SHEET	NO.

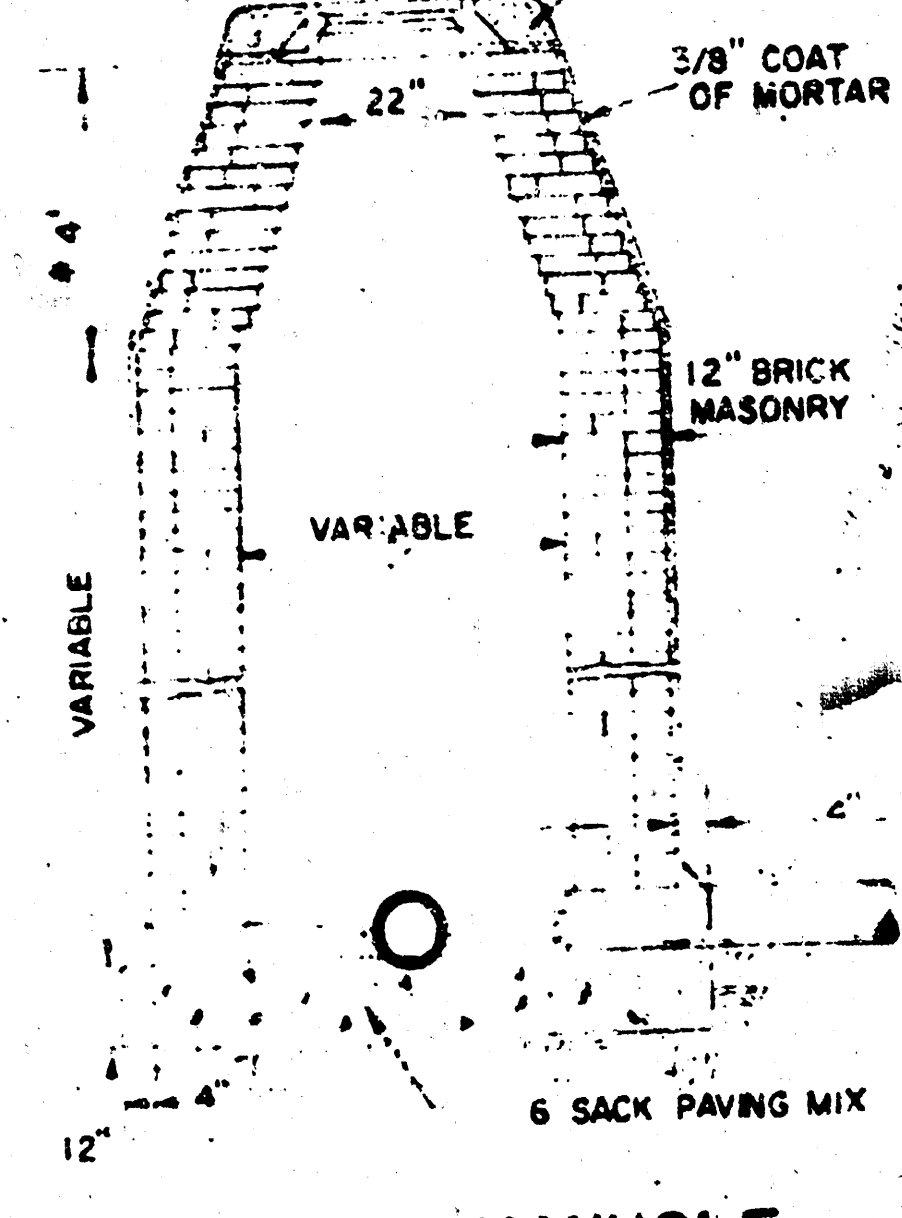


CRUT TO BE PLACED AROUND MANHOLE RING ONLY WHEN MANHOLE IS CONSTRUCTED IN UNPAVED AREAS. (TYPICAL ALL MANHOLES)

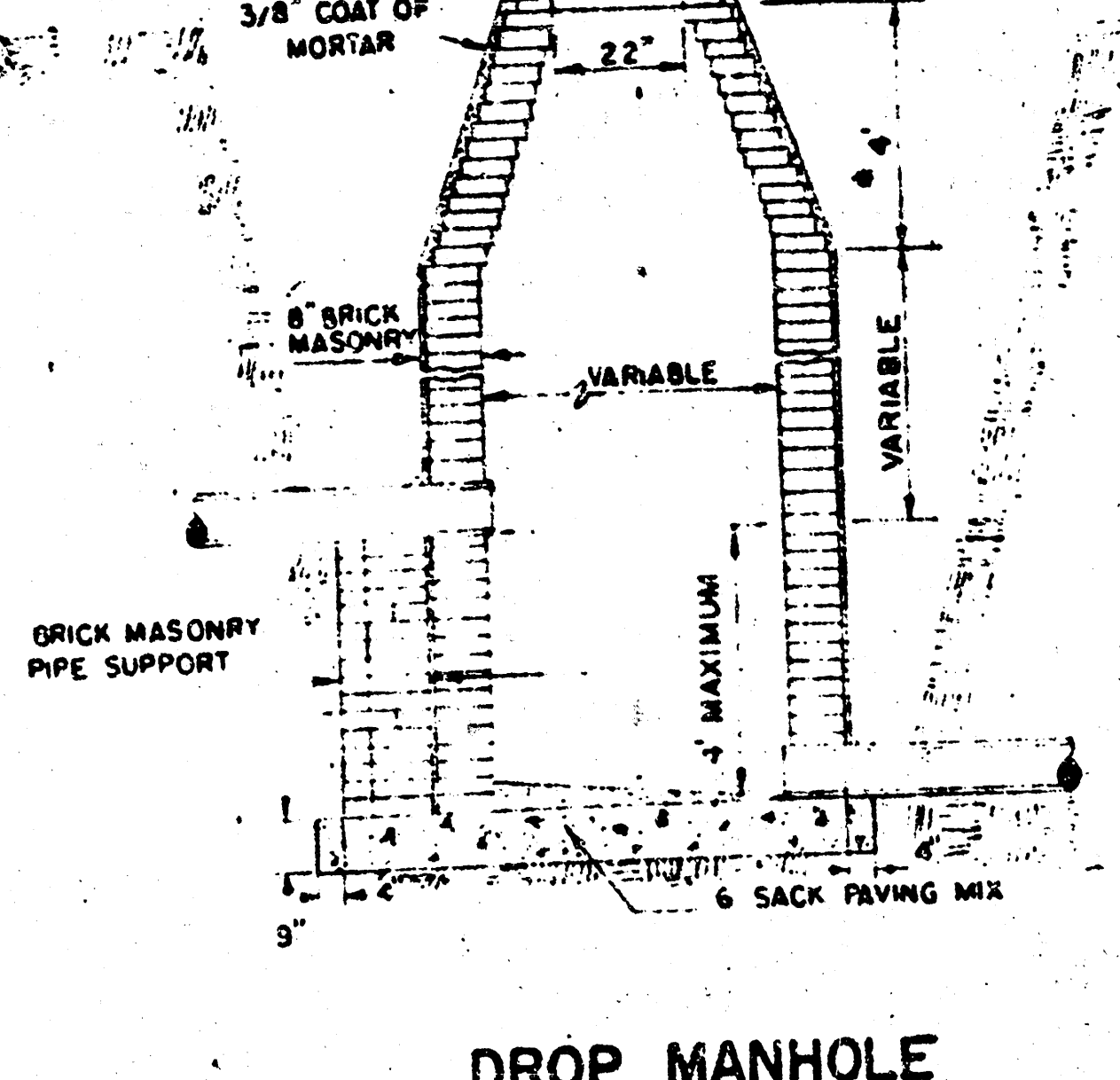


STANDARD MANHOLE TYPE "A"

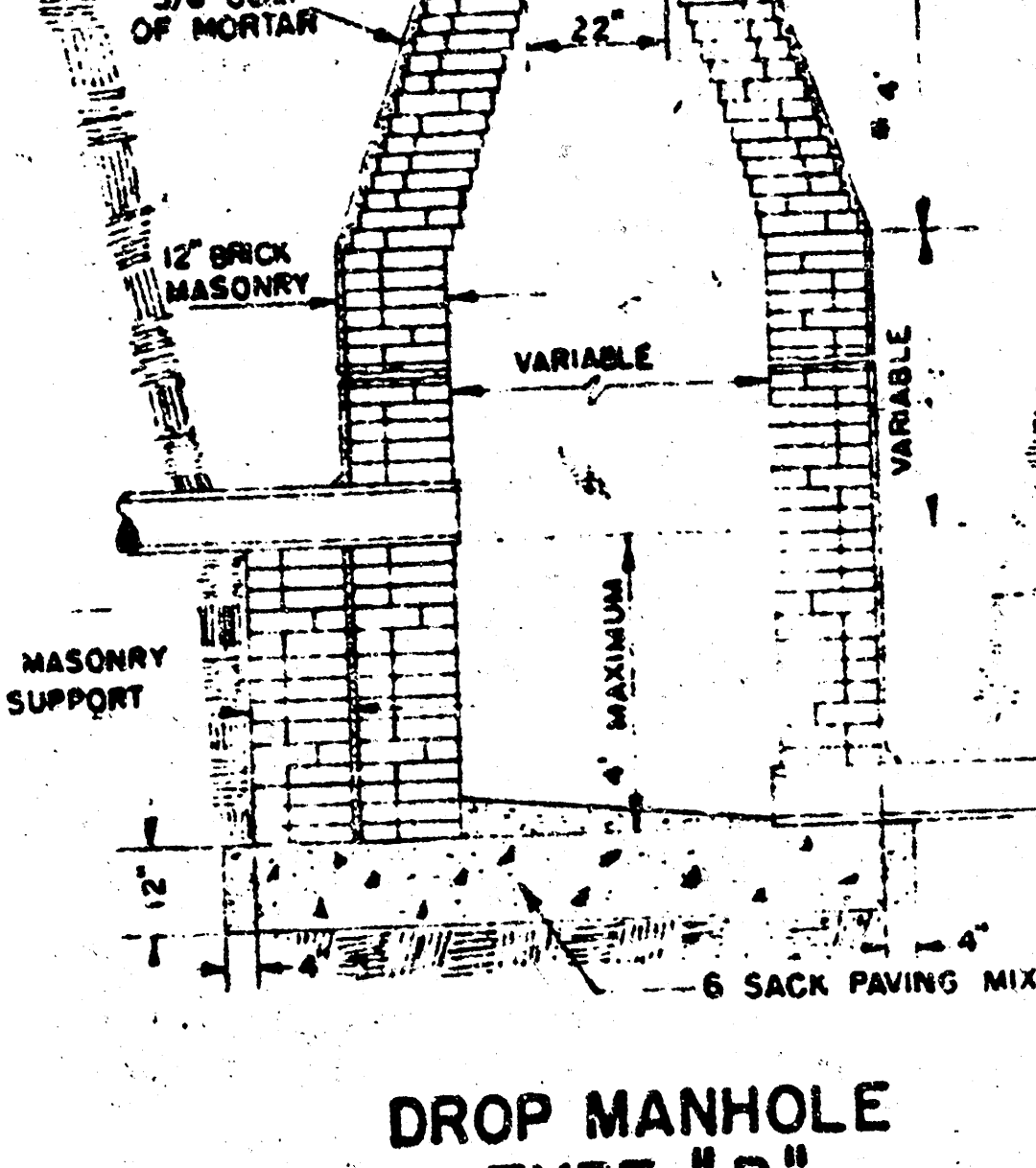
* DRAW = 6' ON 5' DIA. M.H.



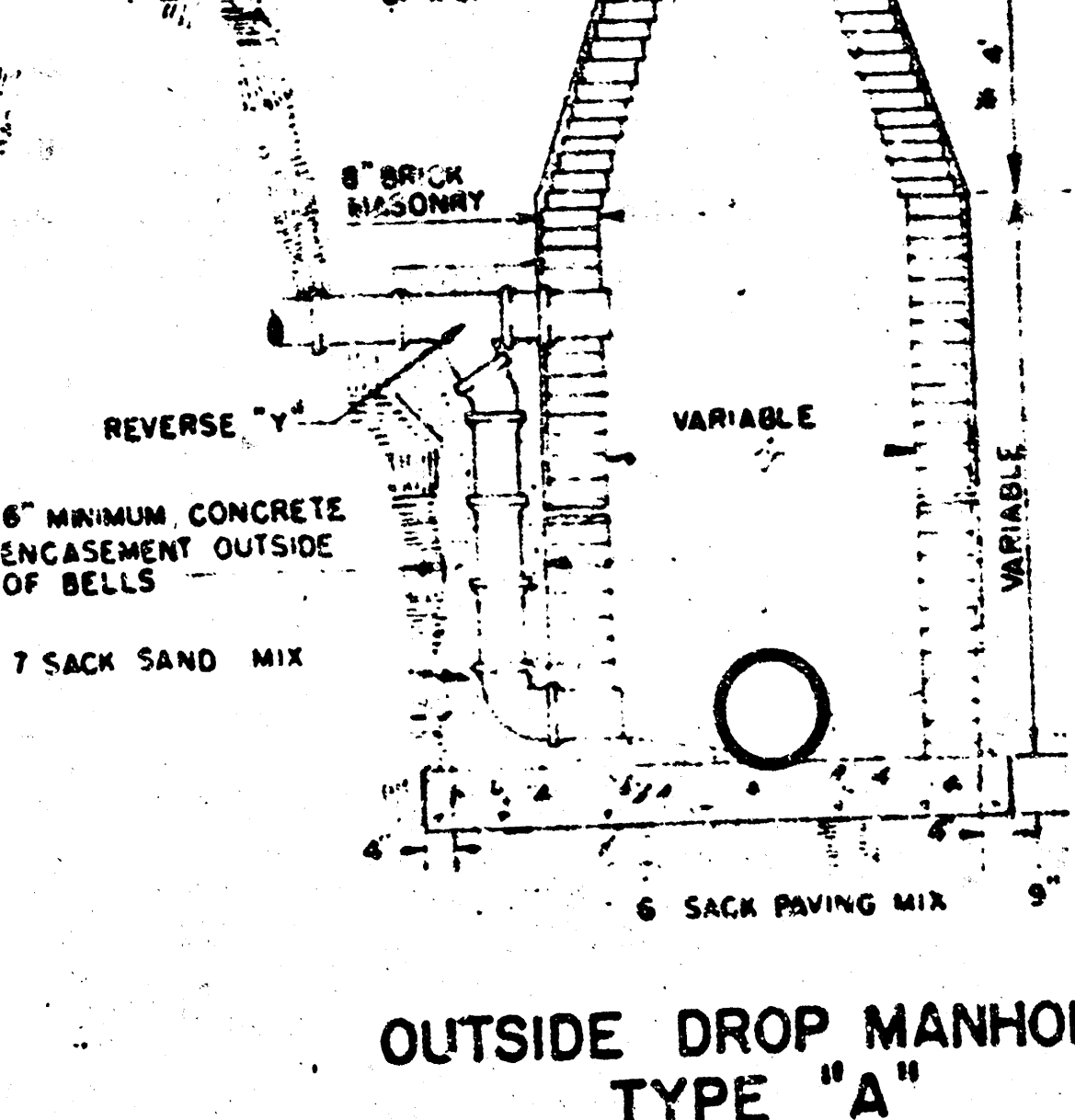
STANDARD MANHOLE TYPE "B"



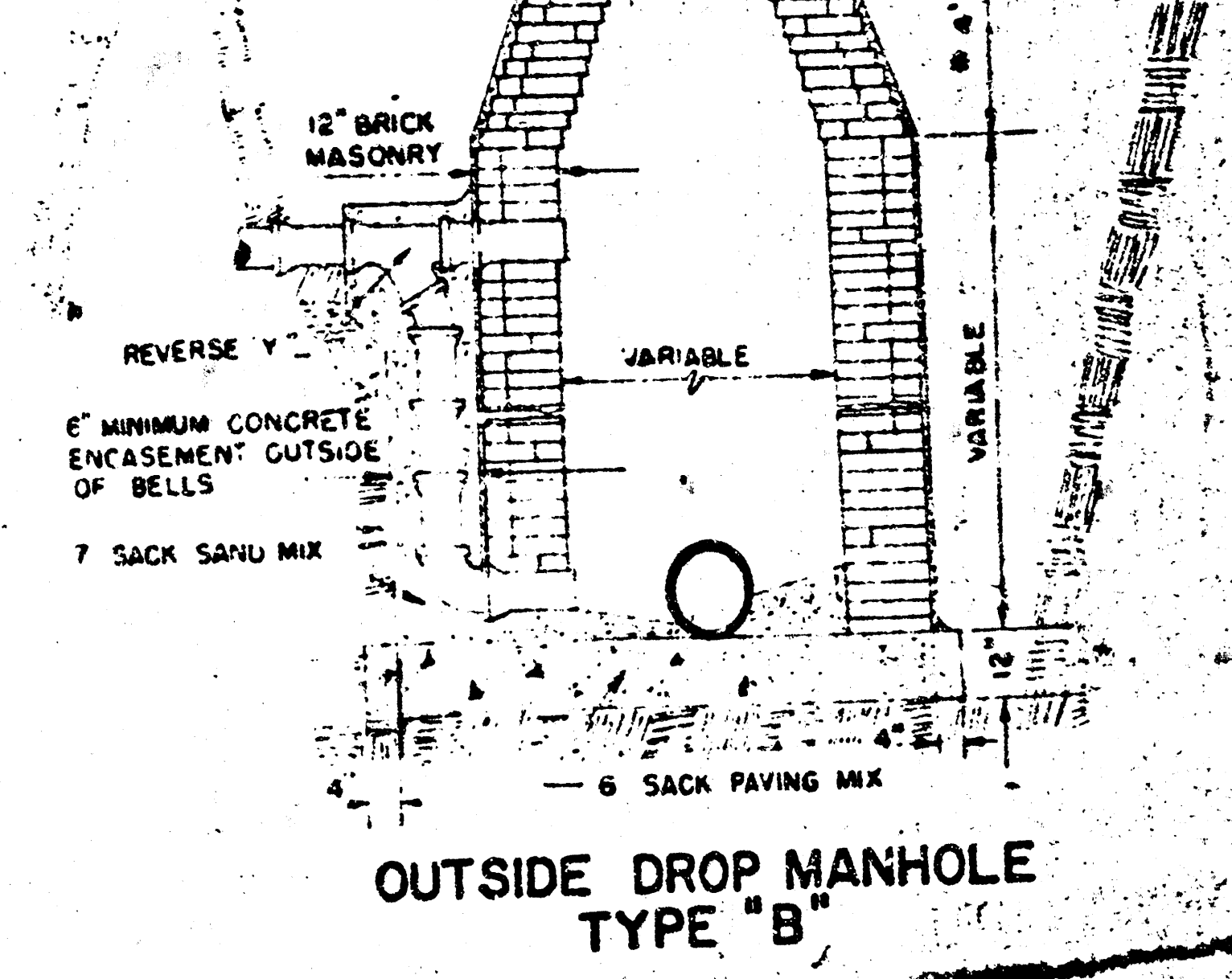
DROP MANHOLE TYPE "A"



DROP MANHOLE TYPE "B"

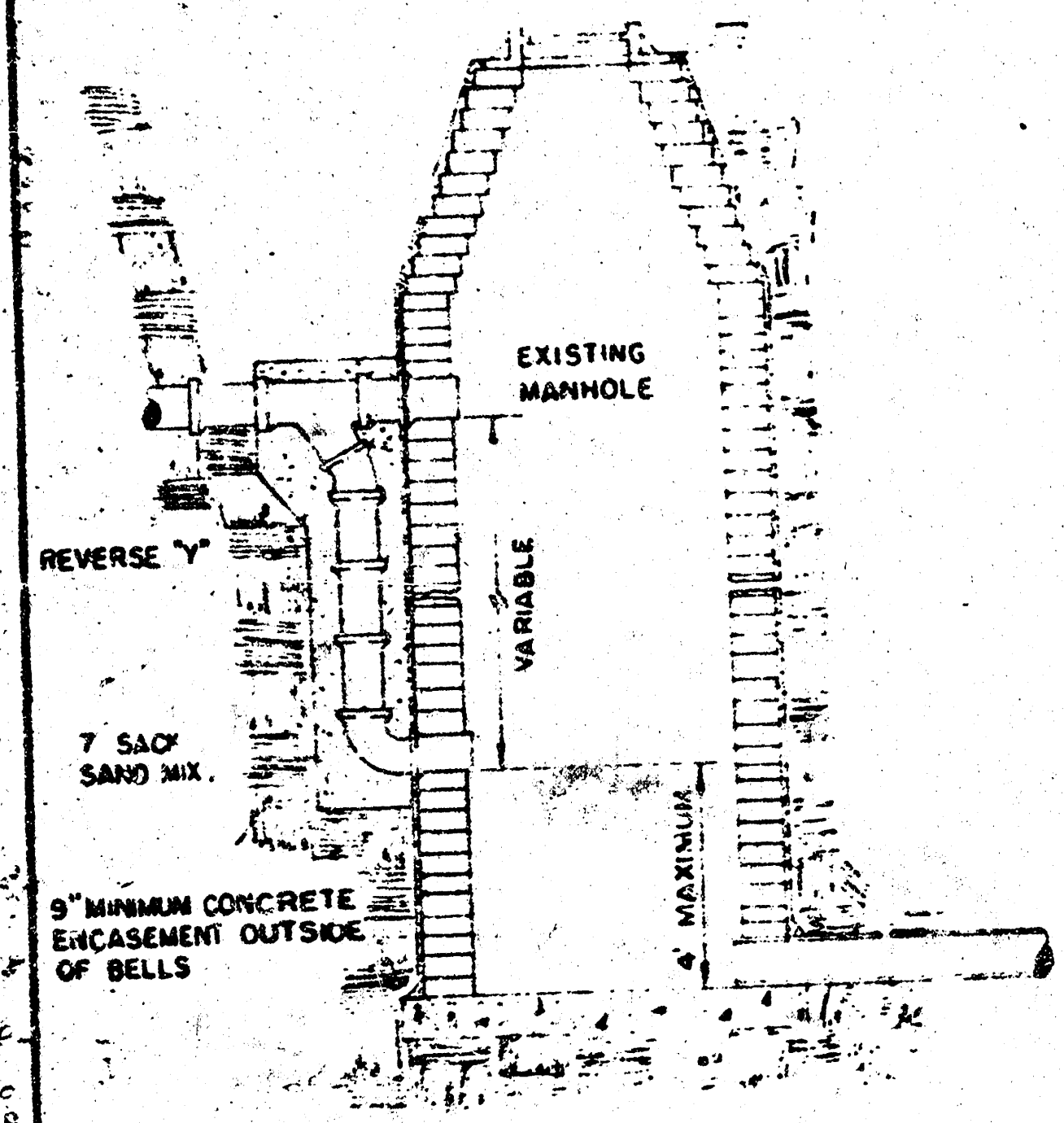


OUTSIDE DROP MANHOLE TYPE "A"

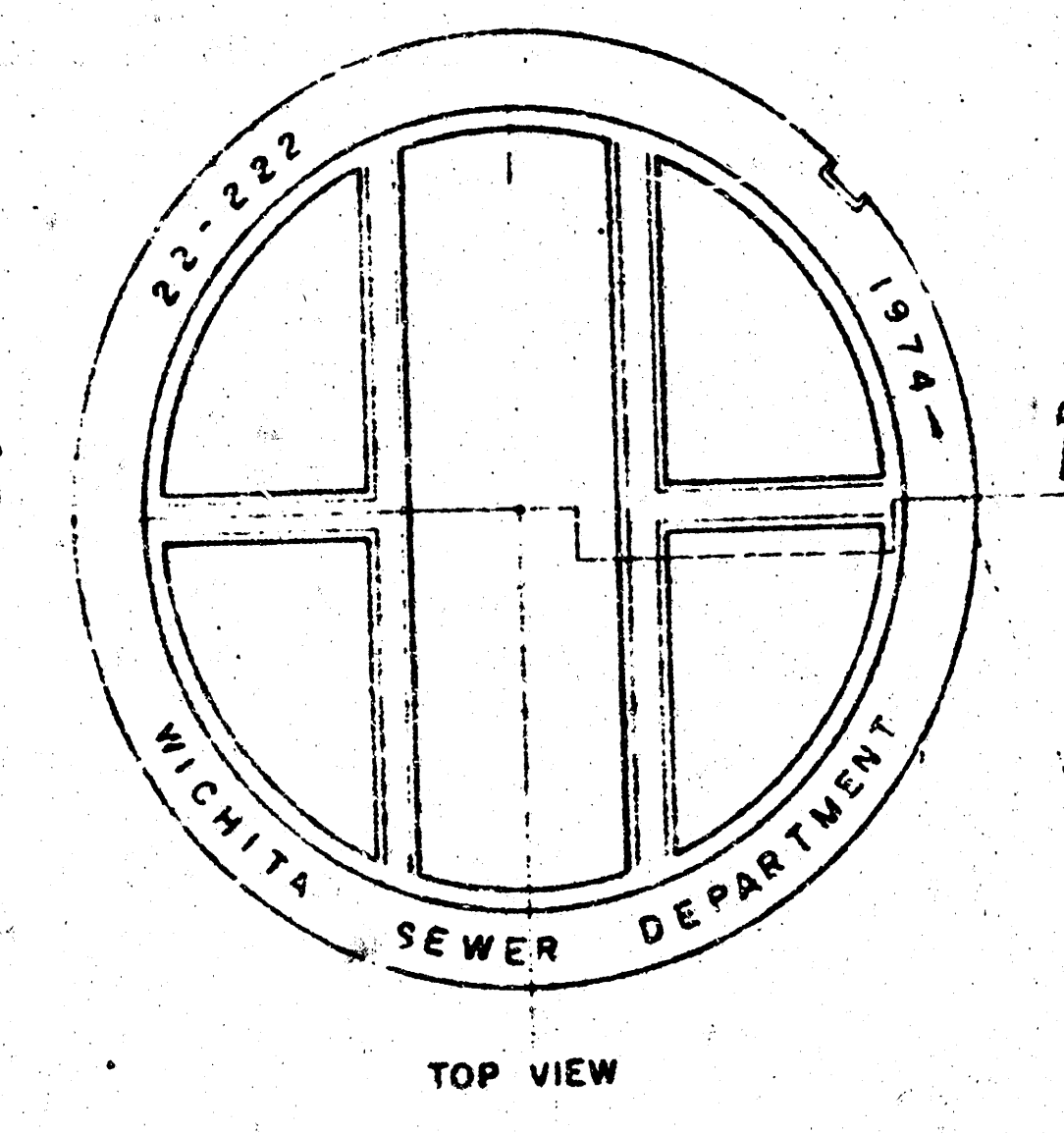


OUTSIDE DROP MANHOLE TYPE "B"

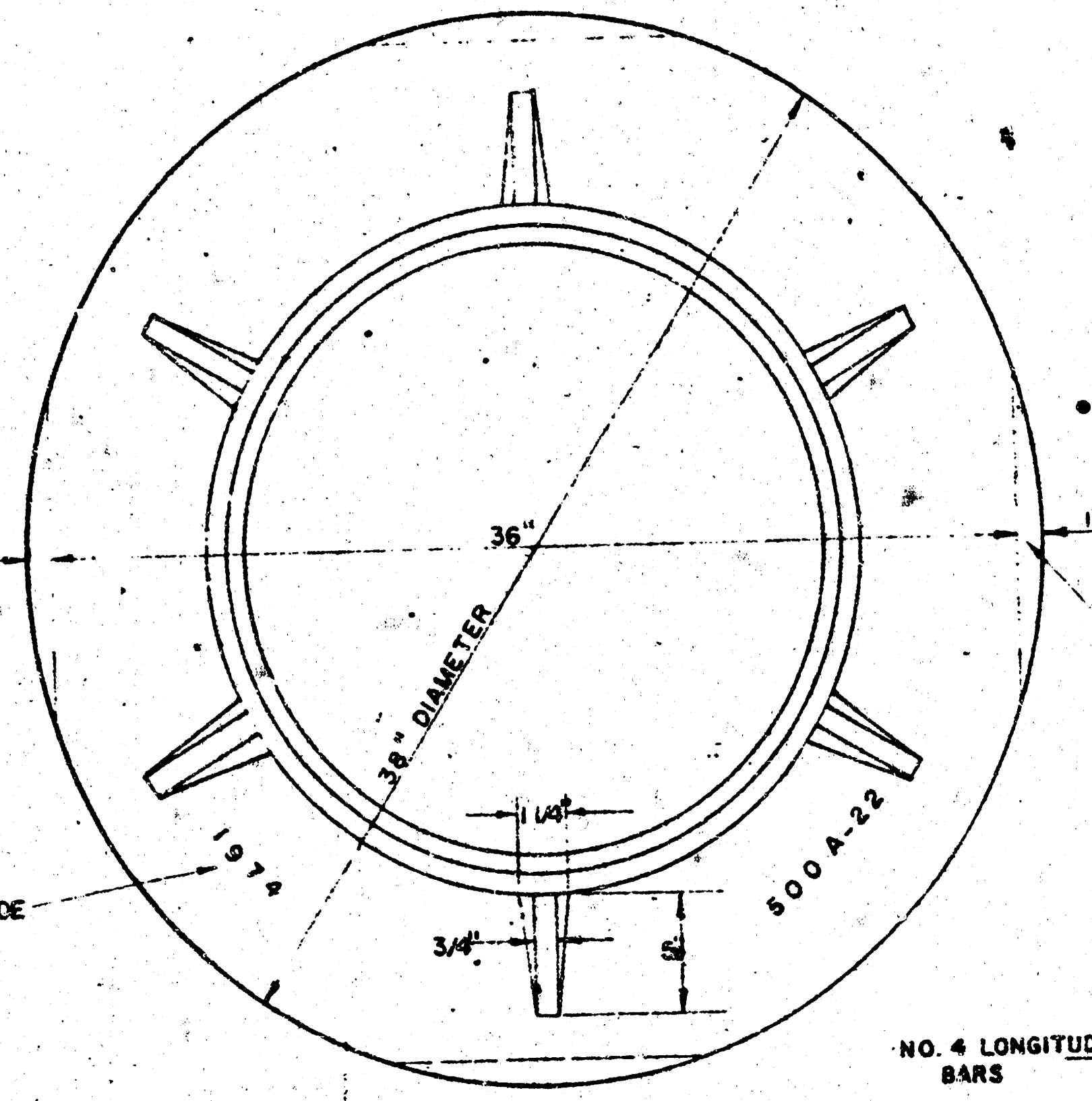
NOTE: REINFORCING STEEL SHALL BE INSTALLED IN THE MANHOLE BASES 6" ABOVE THE BOTTOM. REINFORCING STEEL SHALL CONSIST OF NO. 4 BARS PLACED ON 6" CENTERS IN BOTH DIRECTIONS. THE COST OF REINFORCING STEEL IS TO BE INCLUDED IN THE PRICE BID FOR THE MANHOLE.



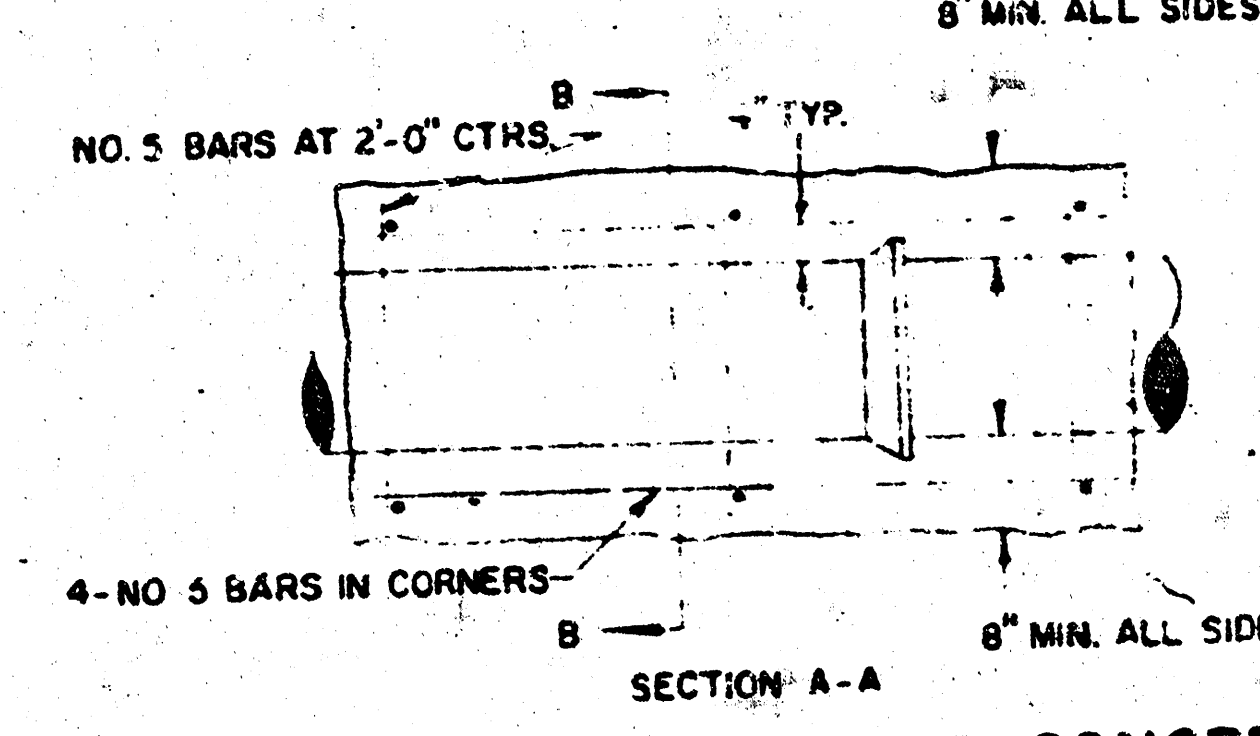
DETAIL OF DROP STACK FOR EXISTING MANHOLES IN GROUND WATER



MANHOLE COVER WEIGHT 110 LBS.

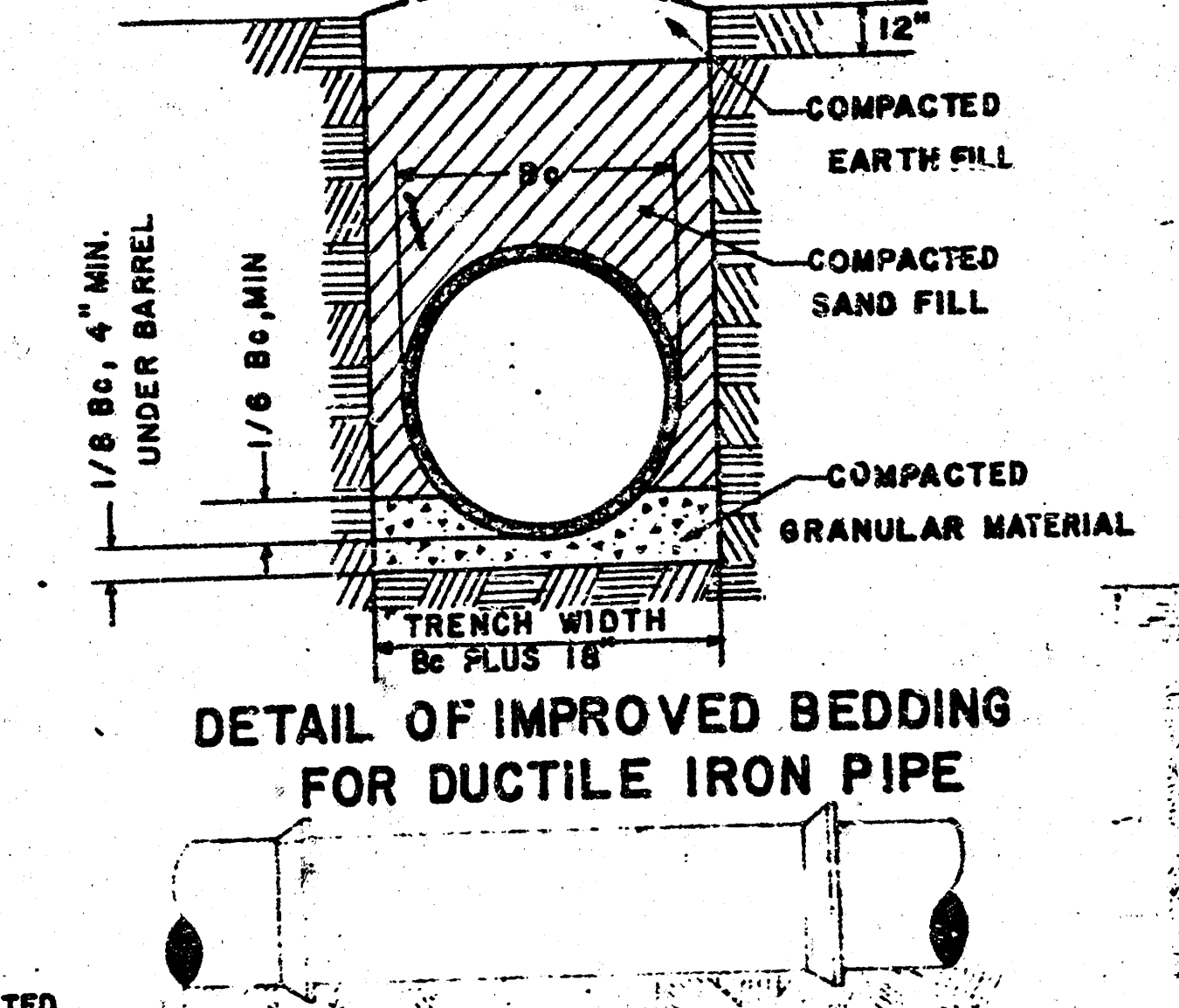


MANHOLE RING WEIGHT 325 LBS. RING NO. 500A WEIGHT 800 LBS. RING NO. 600AS

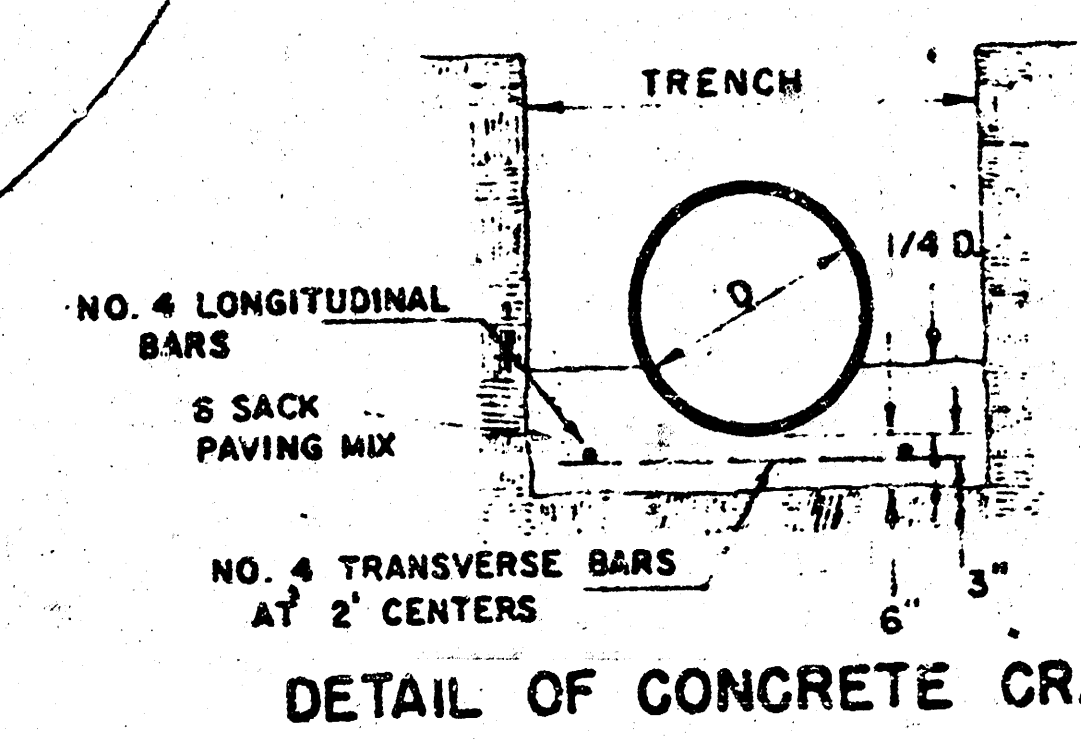


REINFORCED CONCRETE ENCASEMENT

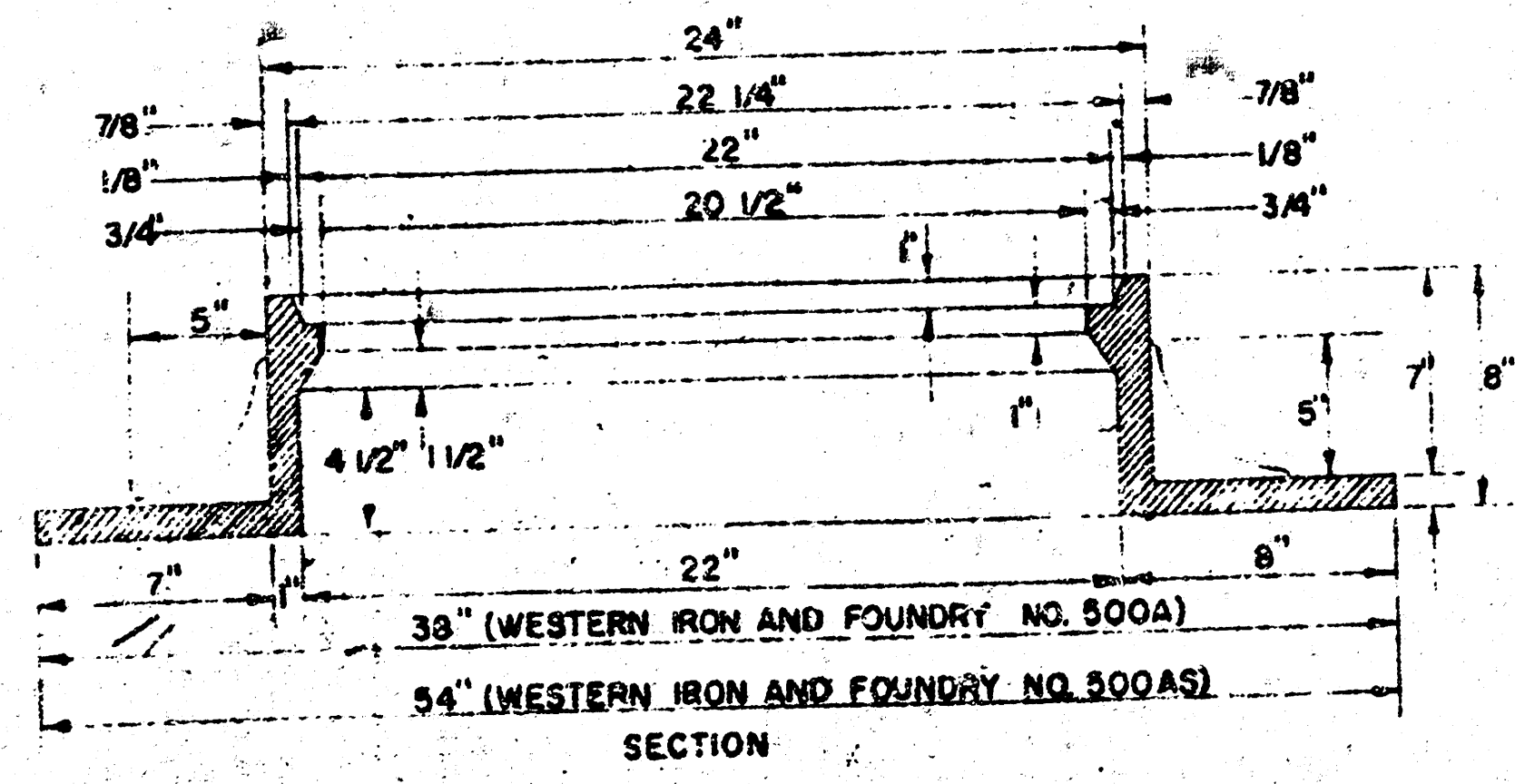
NOTE: CONCRETE ENCASEMENT AND CONCRETE CRADLE SHALL BEGIN AND END AT A JOINT WHEN CLAY PIPE IS USED.



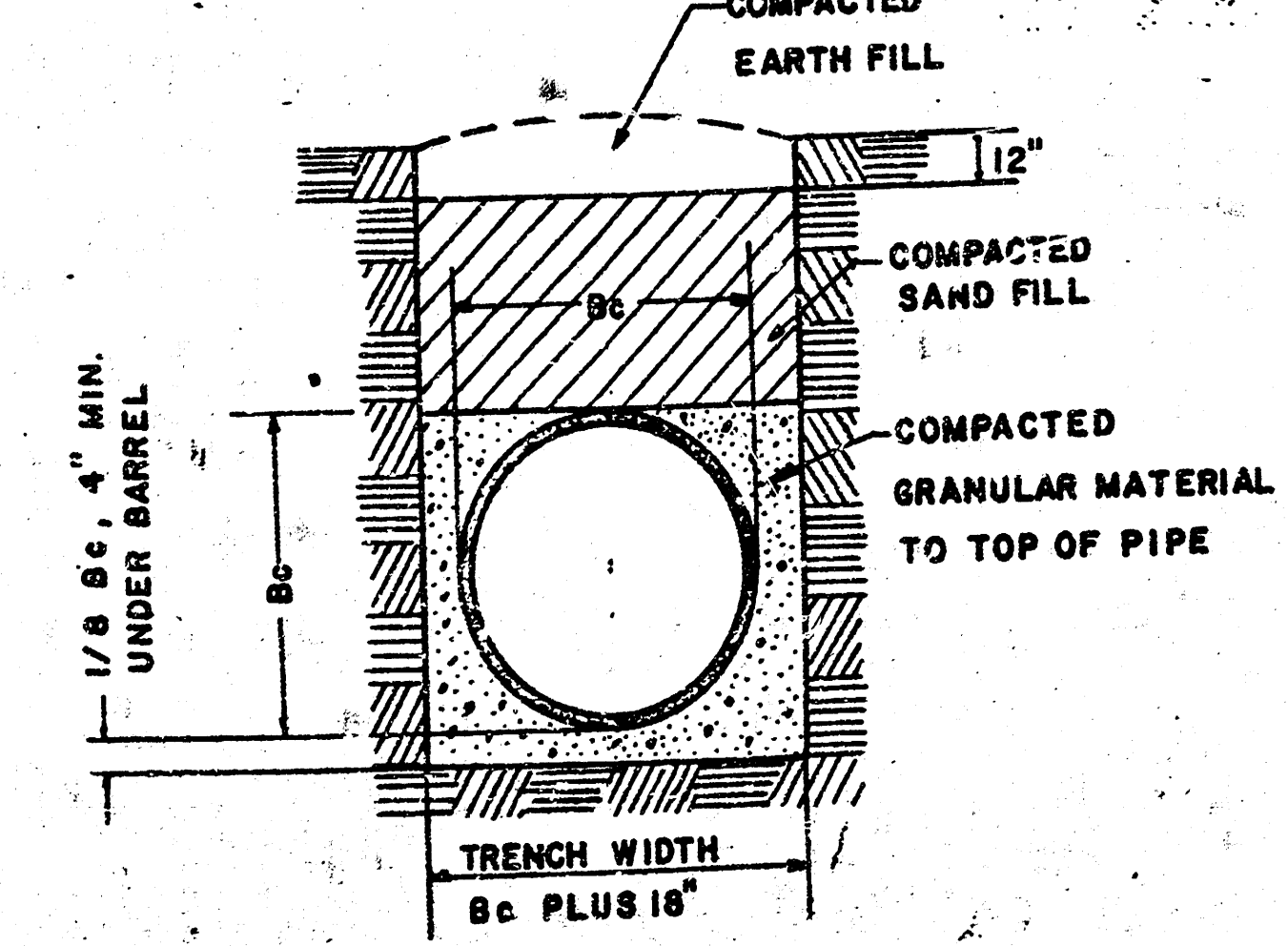
DETAIL OF IMPROVED BEDDING FOR DUCTILE IRON PIPE



DETAIL OF CONCRETE CRADLE



MANHOLE RING

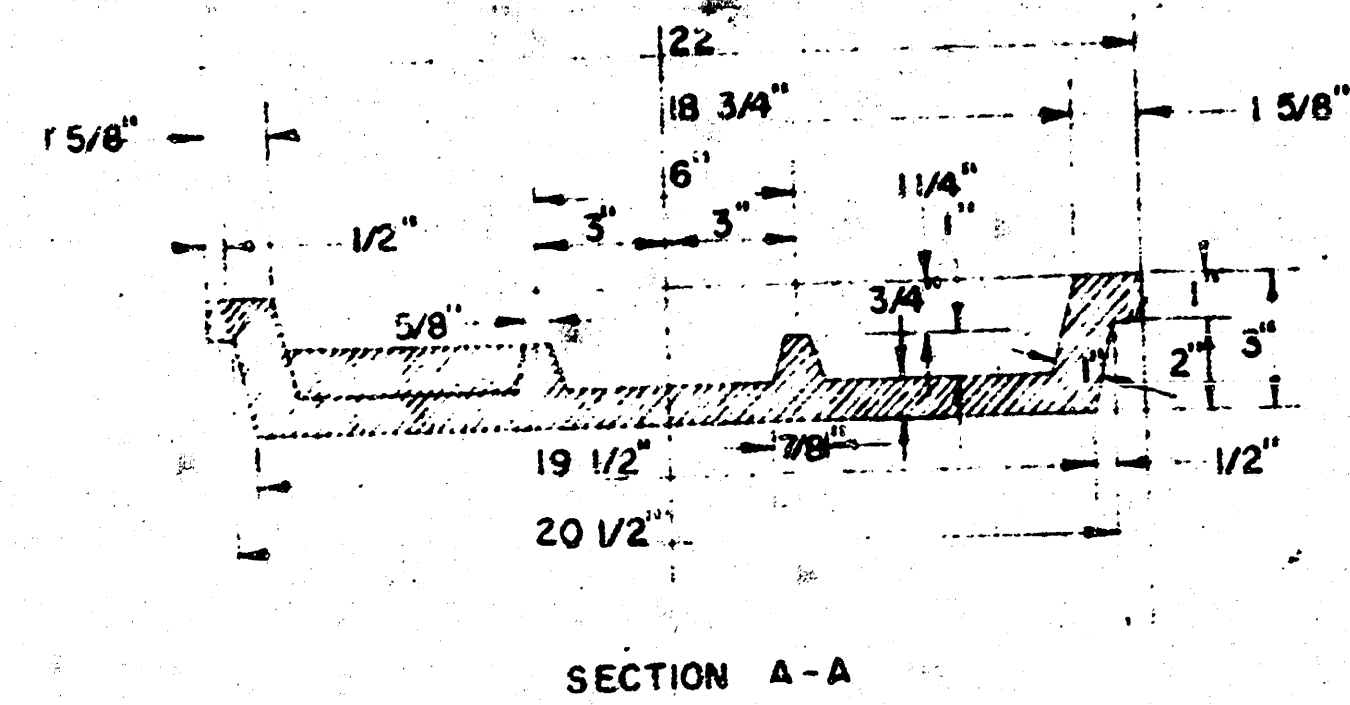


DETAIL OF IMPROVED BEDDING FOR P.V.C. PIPE

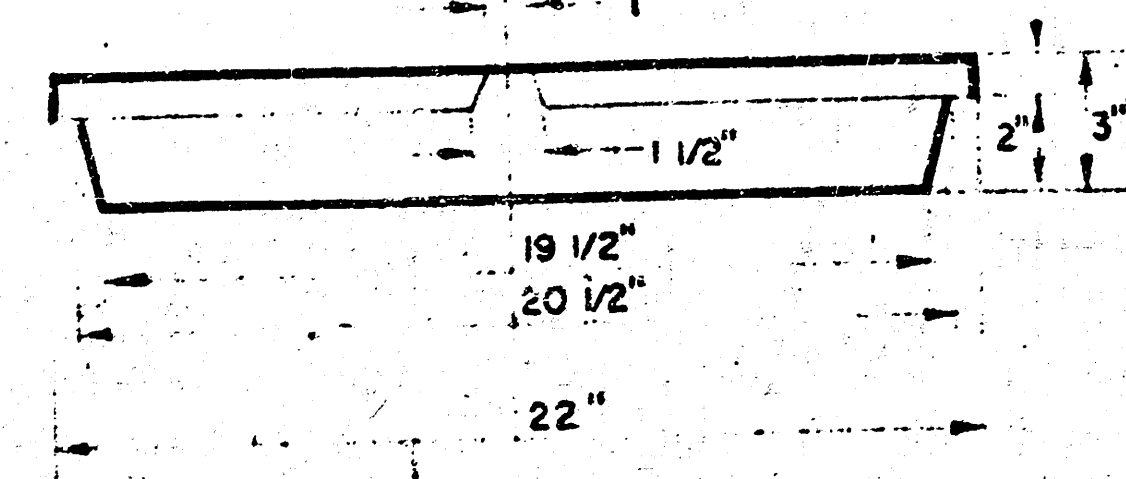
ORDINARY BEDDING METHOD STORM SEWER PIPE

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.



MANHOLE COVER



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