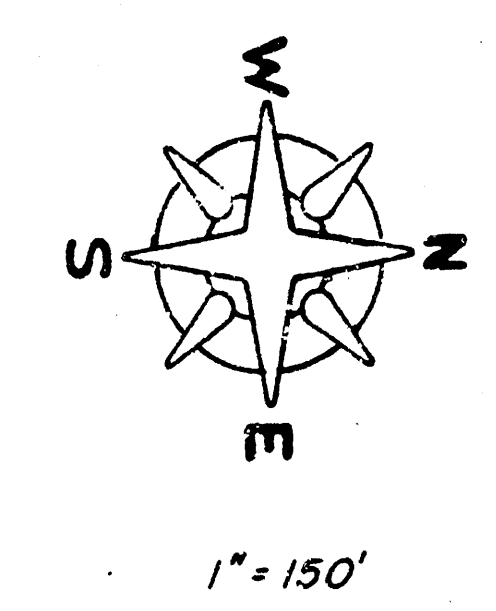
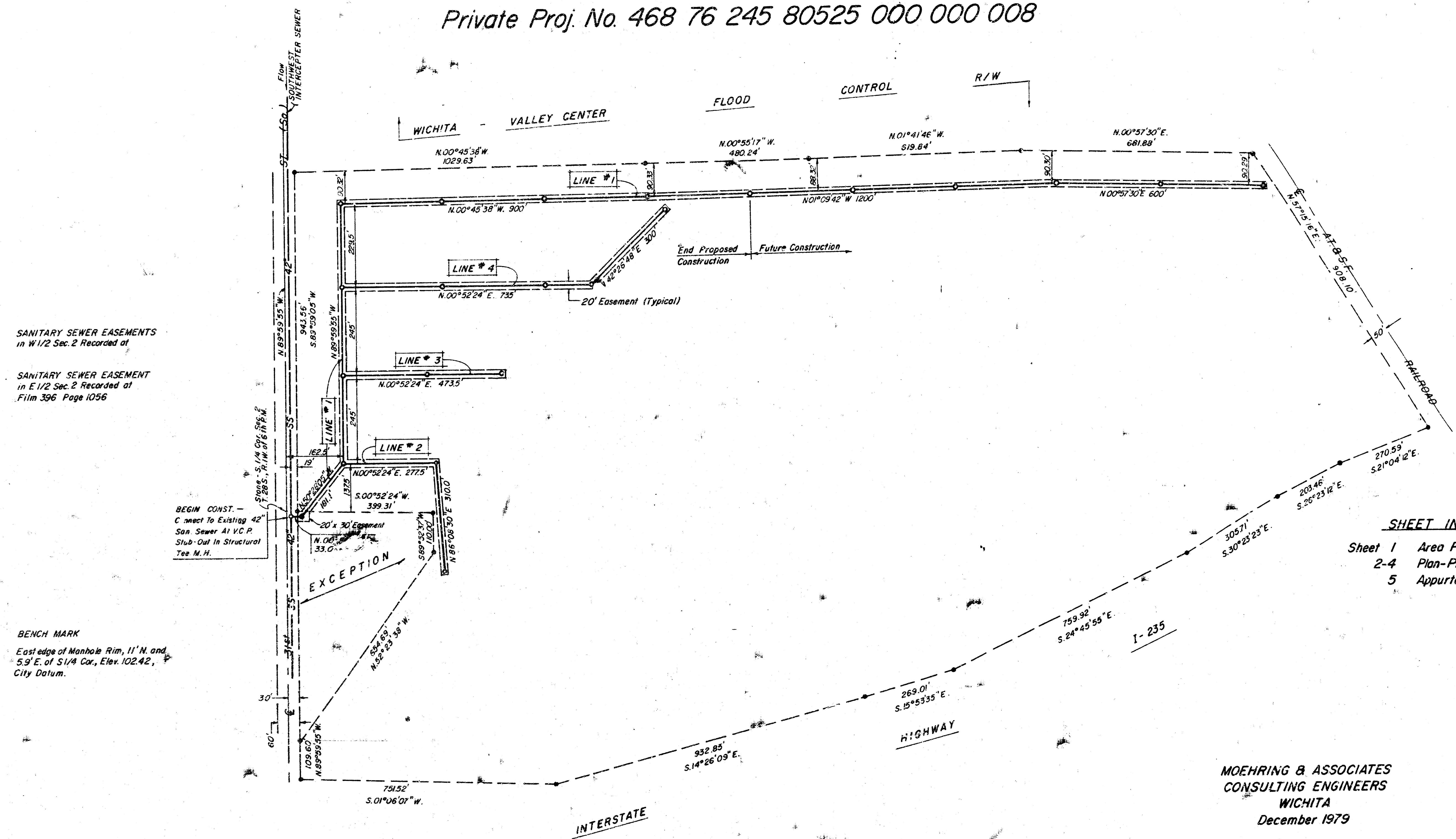


# PRIVATE SANITARY SEWERS SERVING

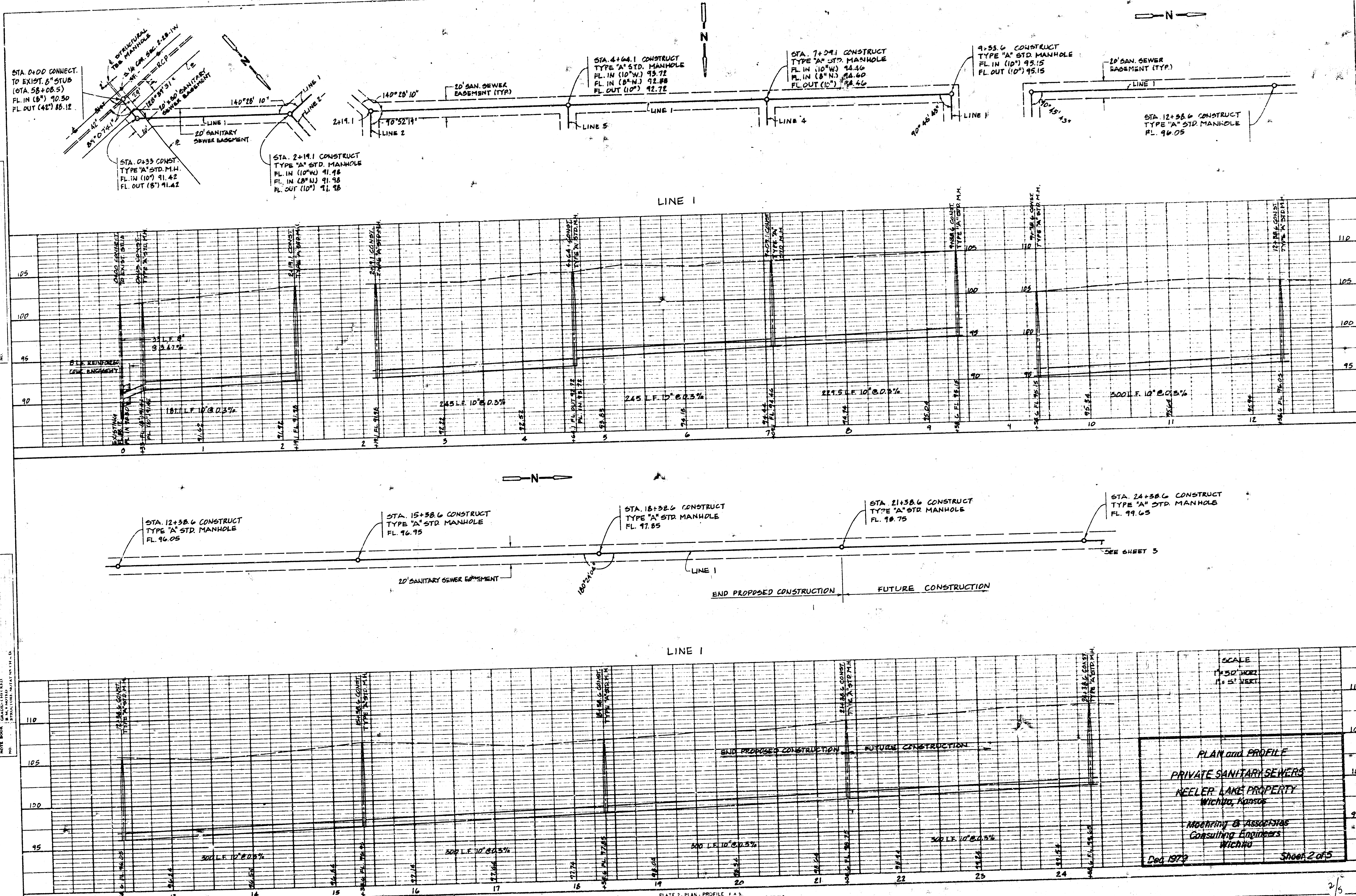
KEELER LAKE PROPERTY IN  
W. 1/2 Section 2, T. 28 S., R. 2 E. Of 6th. P.M.

Private Proj. No. 468 76 245 80525 000 000 008



PLAN  
 DATE  
 BY  
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 REVISIONS

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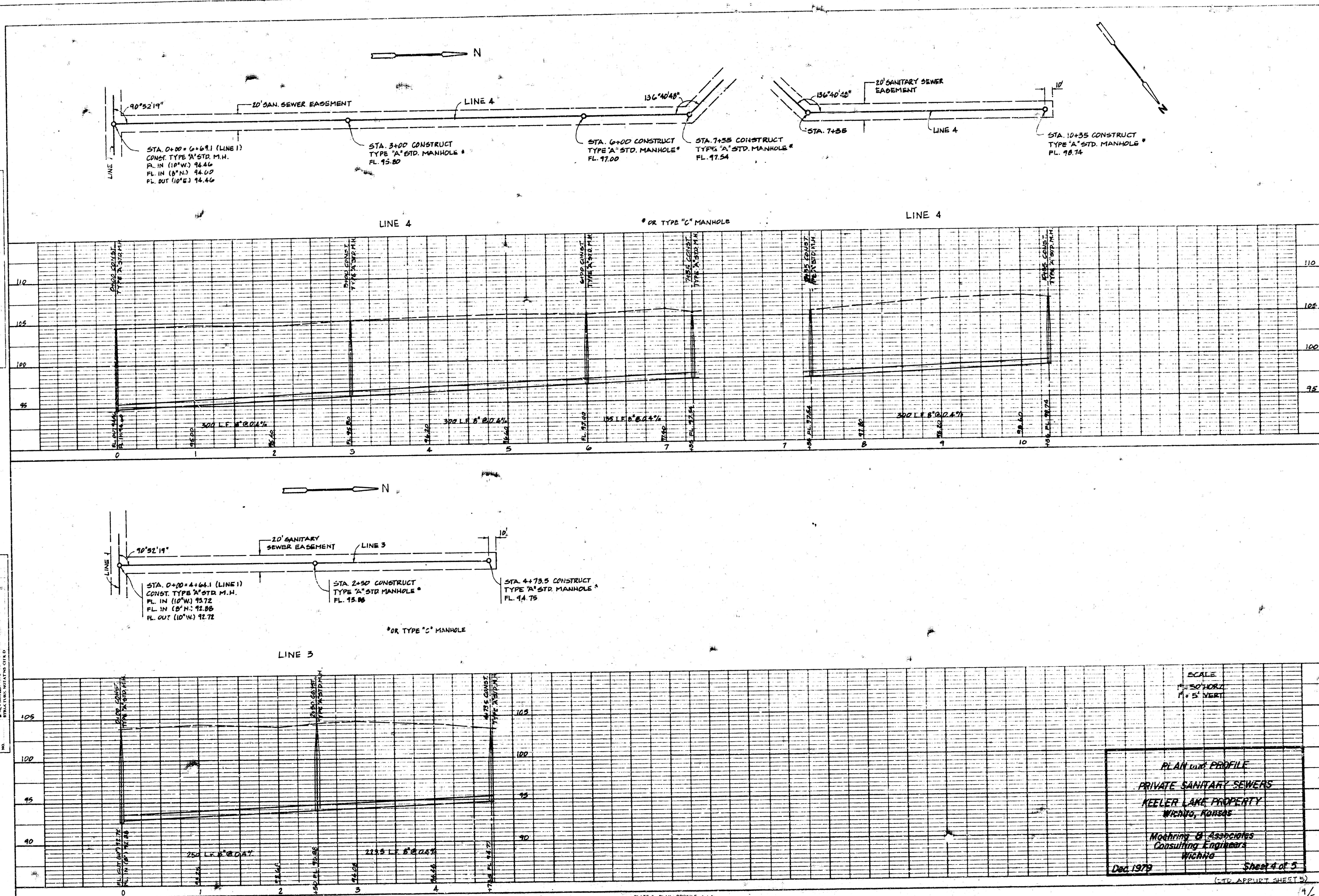


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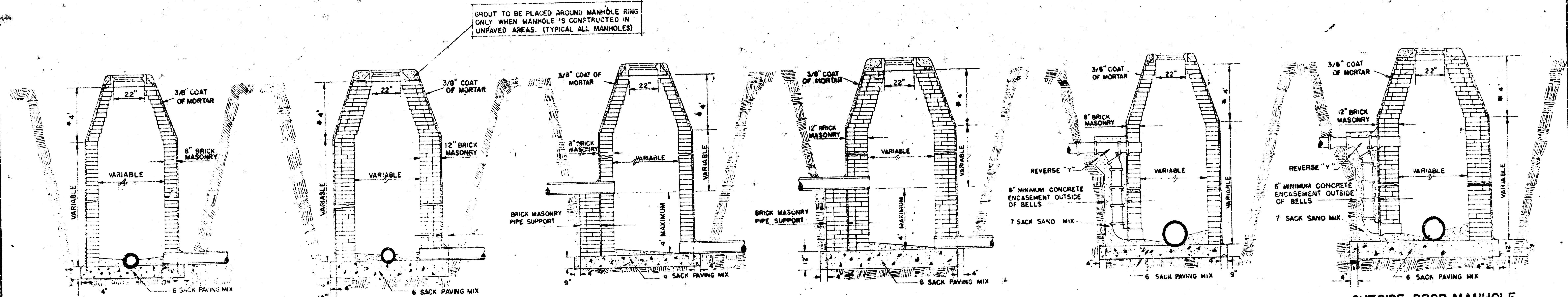


PLAN  
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REVISIONS  
NOTE BOOK  
ALUMINUM OR PLASTIC  
NO.

PROFILE  
DATE  
BY  
REVISIONS  
NOTE BOOK  
ALUMINUM OR PLASTIC  
NO.



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AVAILABLE COPY .....



STANDARD MANHOLE TYPE "A"

STANDARD MANHOLE TYPE "B"

DROP MANHOLE TYPE "A"

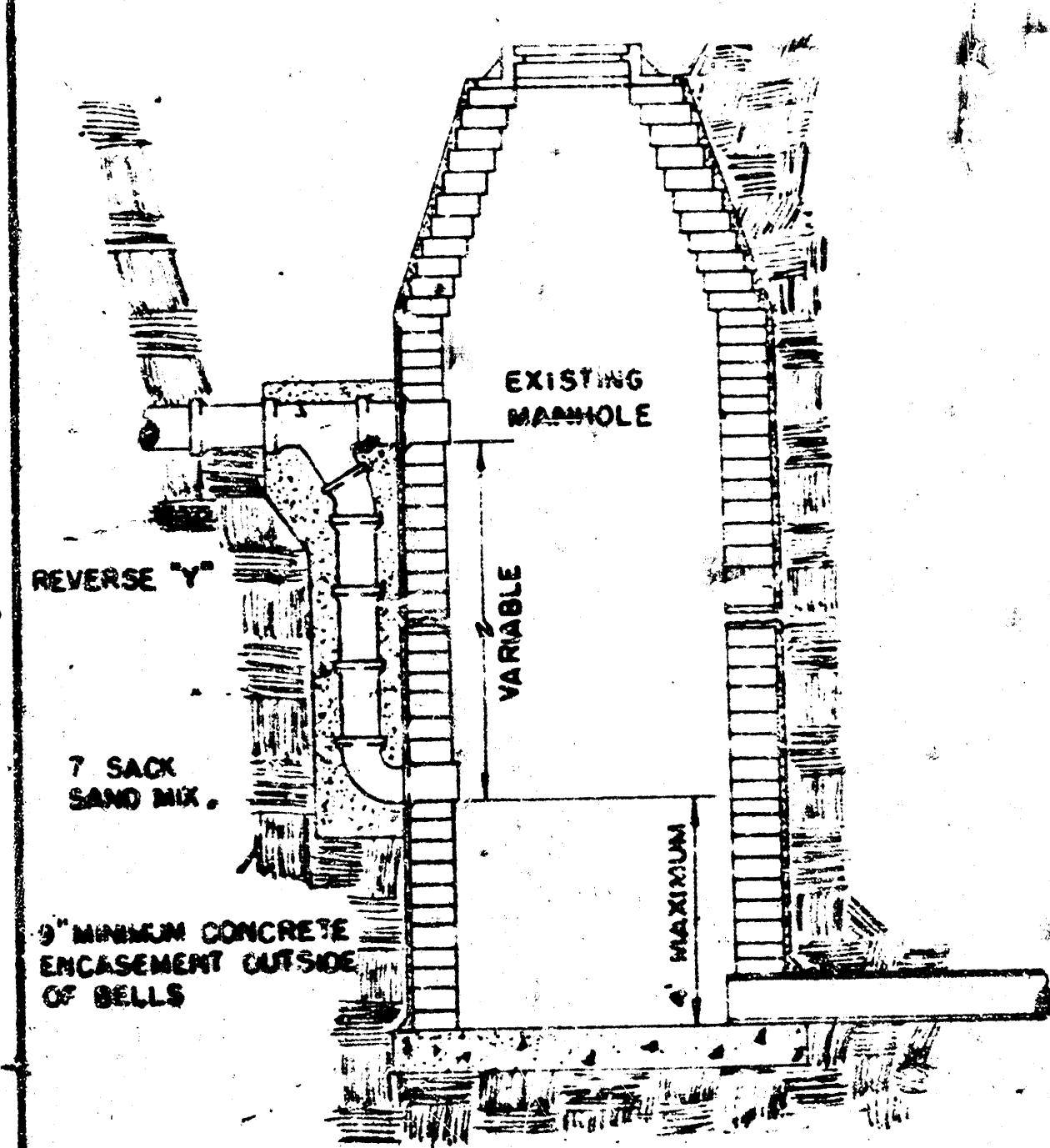
DROP MANHOLE TYPE "B"

OUTSIDE DROP MANHOLE TYPE "A"

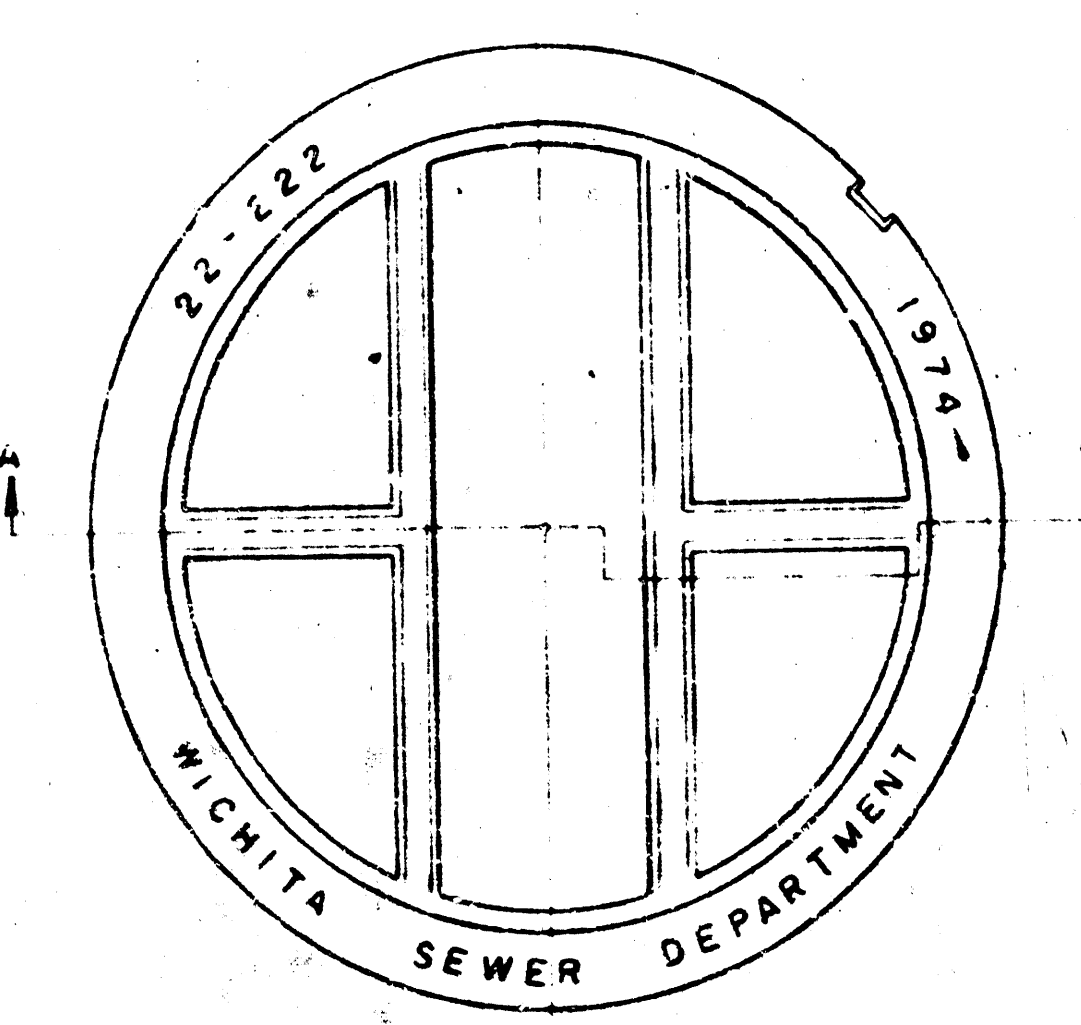
OUTSIDE DROP MANHOLE TYPE "B"

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

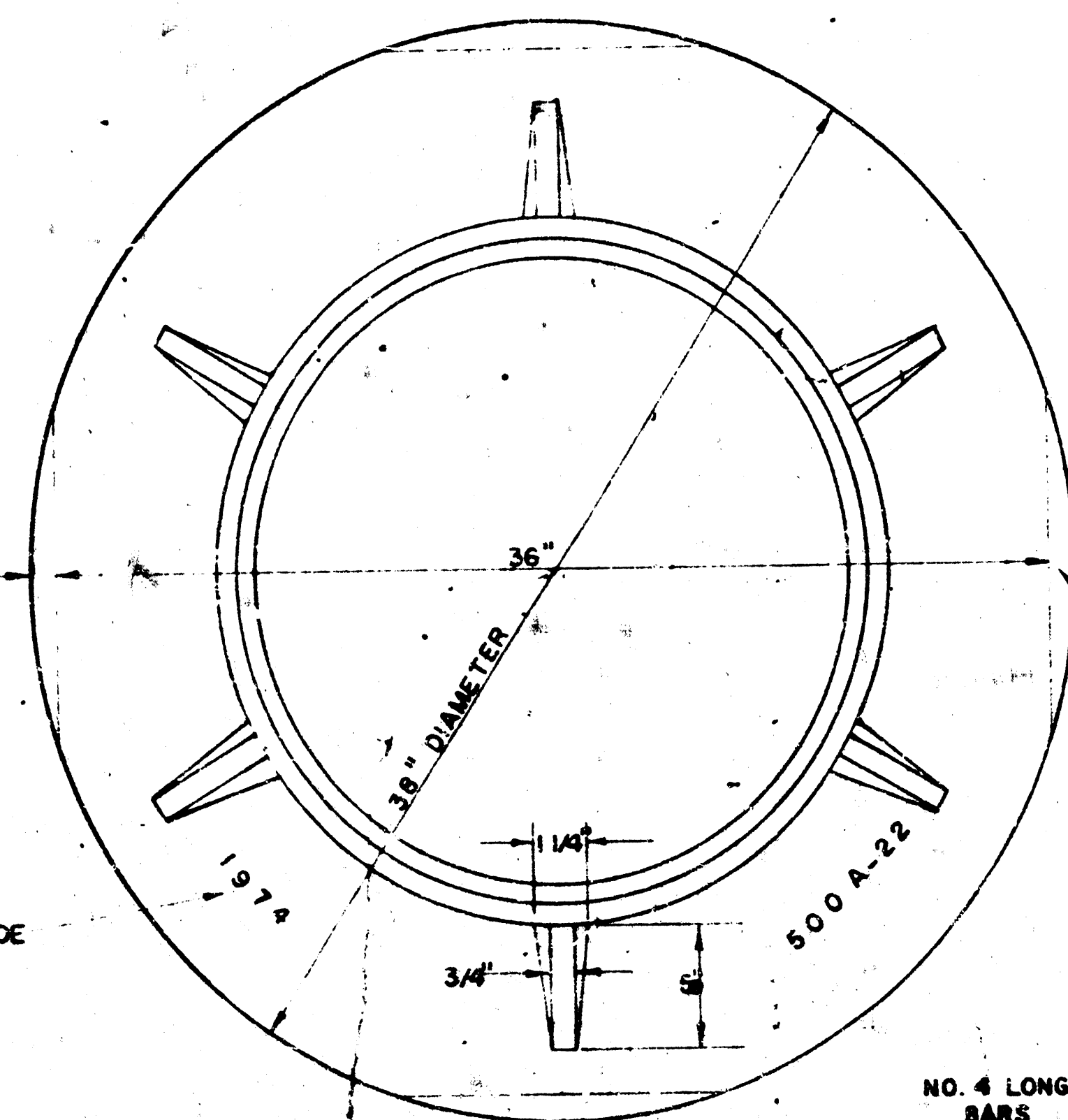
NOTE: REINFORCING STEEL SHALL BE INSTALLED IN THE MANHOLE BASES 6" ABOVE THE BOTTOM. REINFORCING STEEL SHALL CONSIST OF NO. 4 BARS PLACED ON 6" CENTERS IN BOTH DIRECTIONS. THE COST OF REINFORCING STEEL IS TO BE INCLUDED IN THE PRICE BID FOR THE MANHOLE.



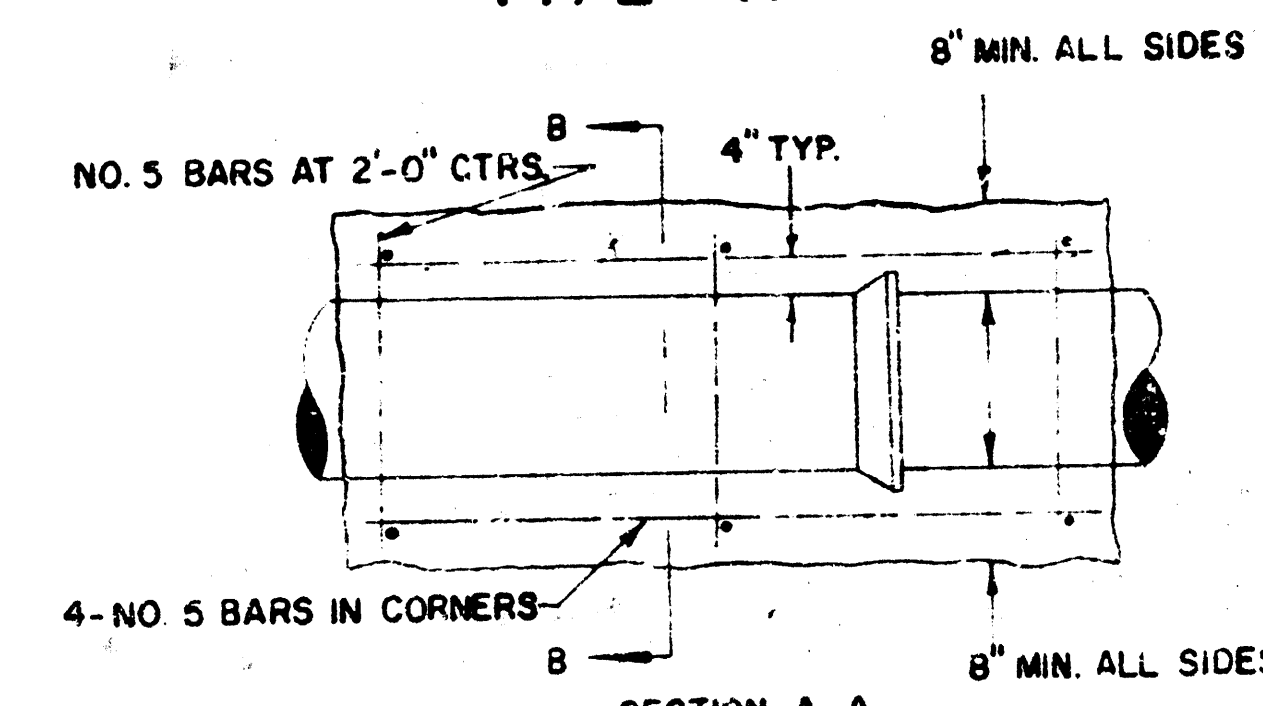
DETAIL OF DROP STACK FOR EXISTING MANHOLES IN GROUND WATER



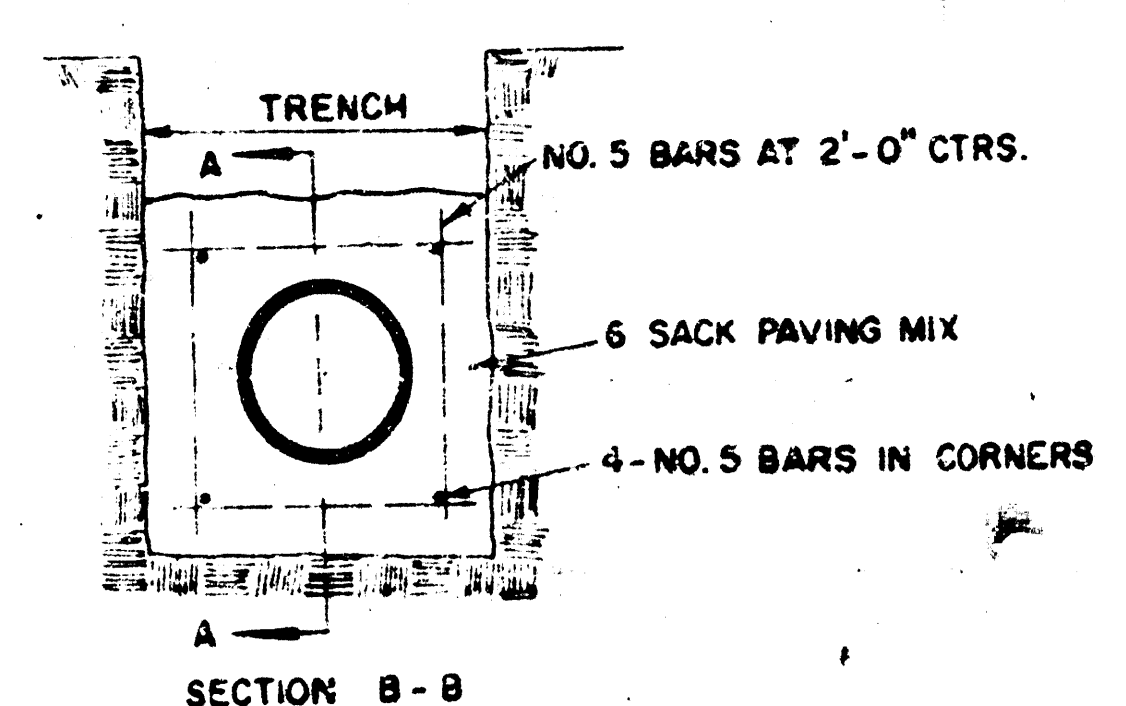
MANHOLE COVER WEIGHT 110 LBS.



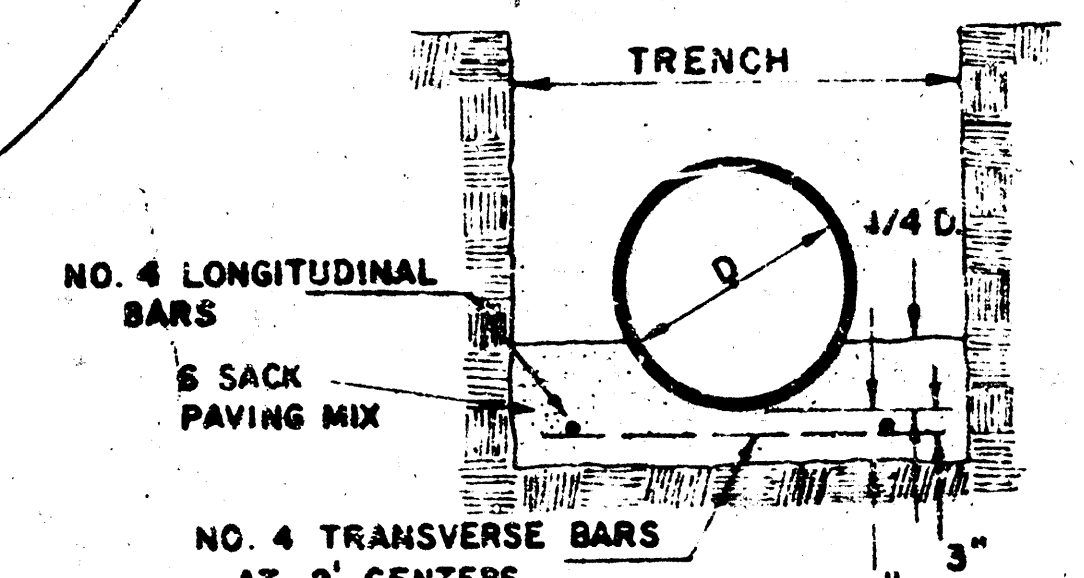
MANHOLE RING WEIGHT 325 LBS. RING NO. 500A WEIGHT 800 LBS. RING NO. 500AS



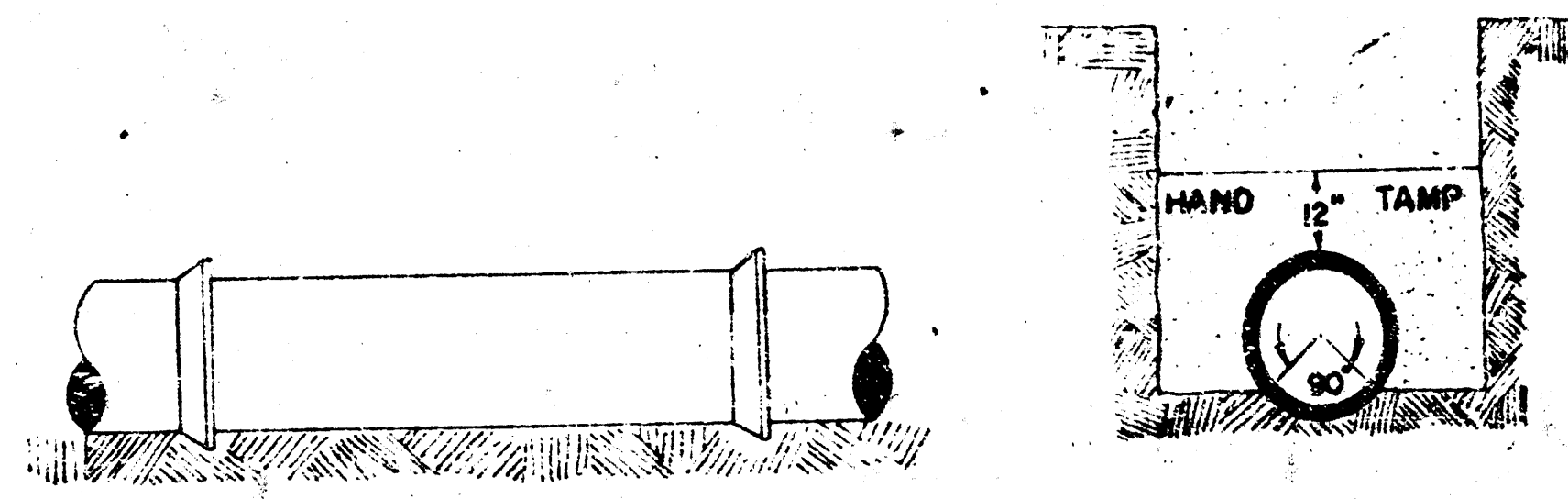
REINFORCED CONCRETE ENCASEMENT



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

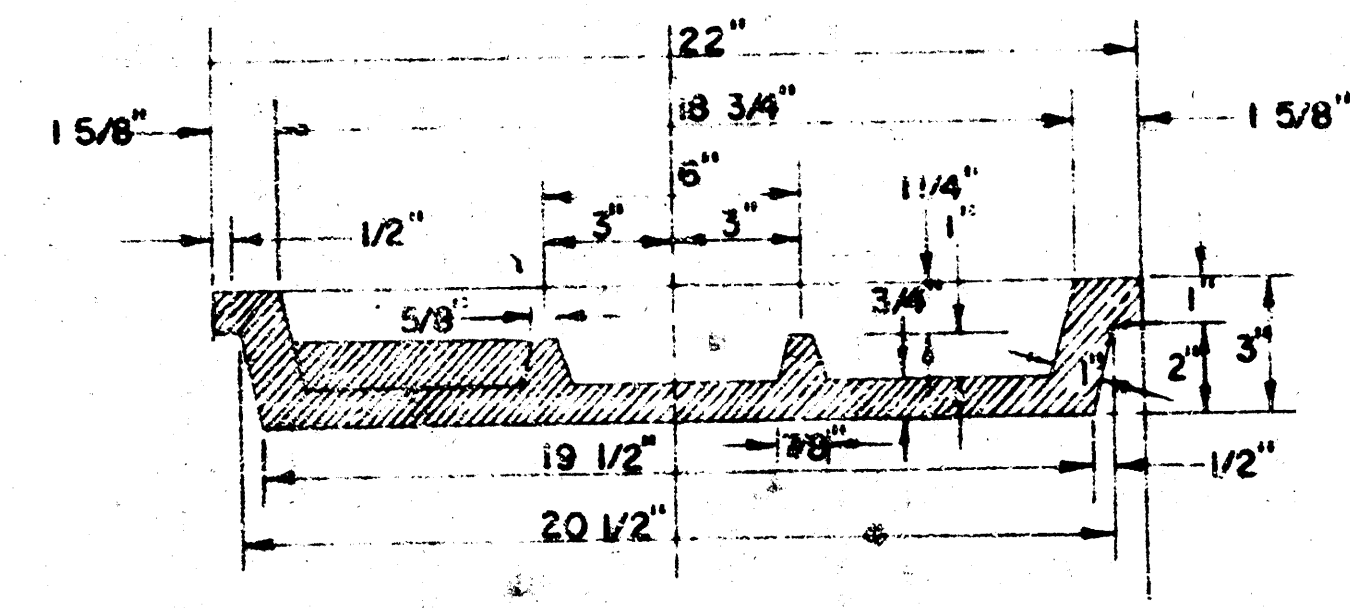


DETAIL OF CONCRETE CRADLE

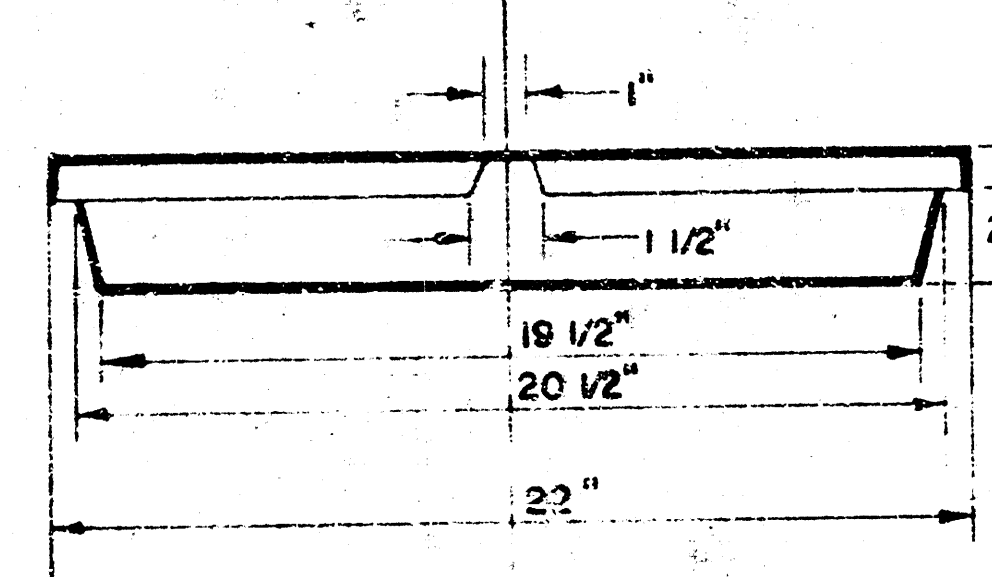


ORDINARY BEDDING METHOD STORM SEWER PIPE

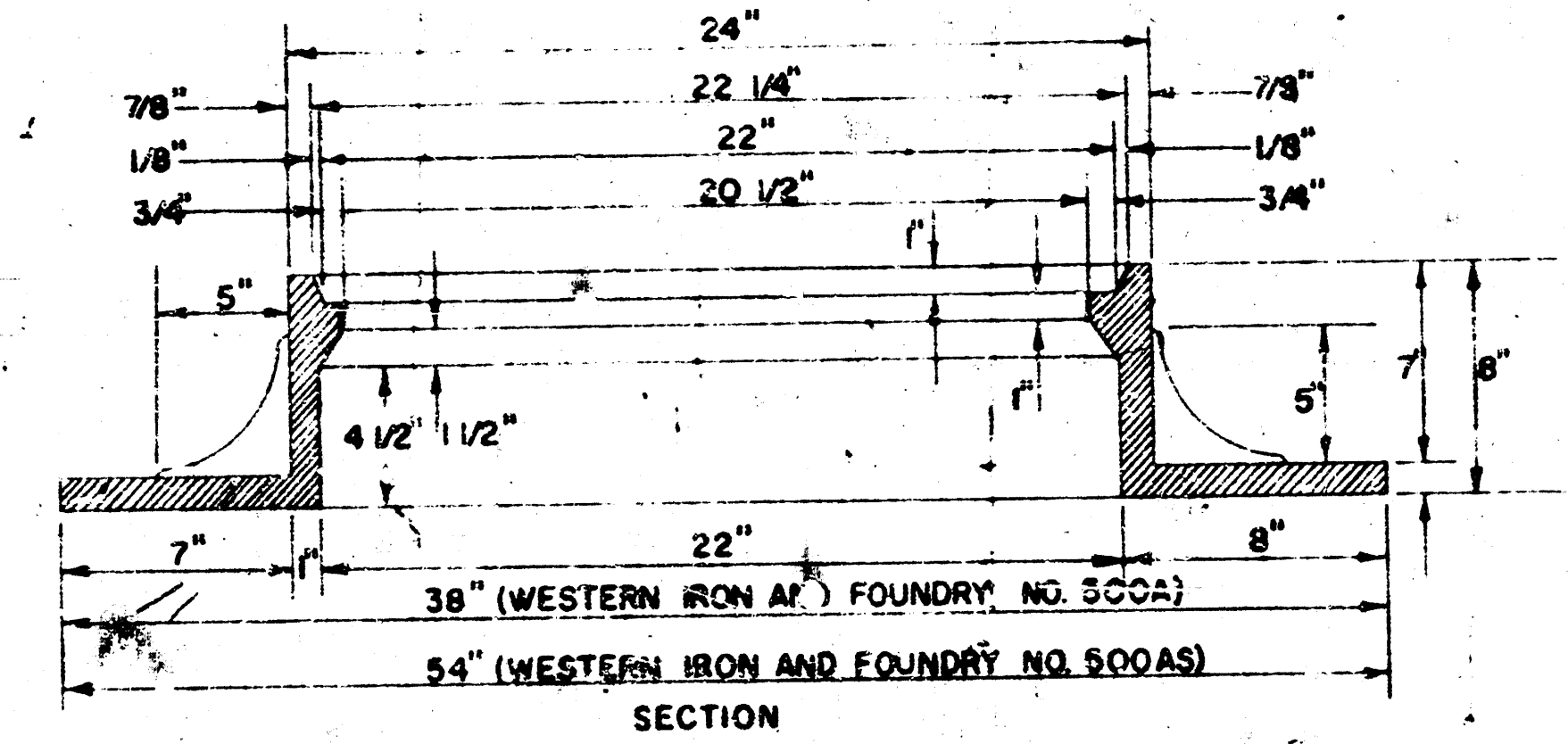
- GENERAL NOTES**
- MORTAR USED IN MASONRY CONSTRUCTION SHALL CONTAIN 8 SACKS OF CEMENT PER CUBIC YARD.
  - STANDARD MANHOLES TYPE "A" OR TYPE "B" AND STANDARD DROP MANHOLES TYPE "A" OR TYPE "B" SHALL BE BID AS STANDARD MANHOLES FOR THE TYPE AND DIAMETER INDICATED. OUTSIDE DROP MANHOLES SHALL BE BID 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



MANHOLE RING

OUTSIDE CIRCUMFERENCE OF COVER AND 1/4" INNER FACE AND SEAT OF RING TO BE MACHINE FIT.

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

Sheet 9 of 5

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