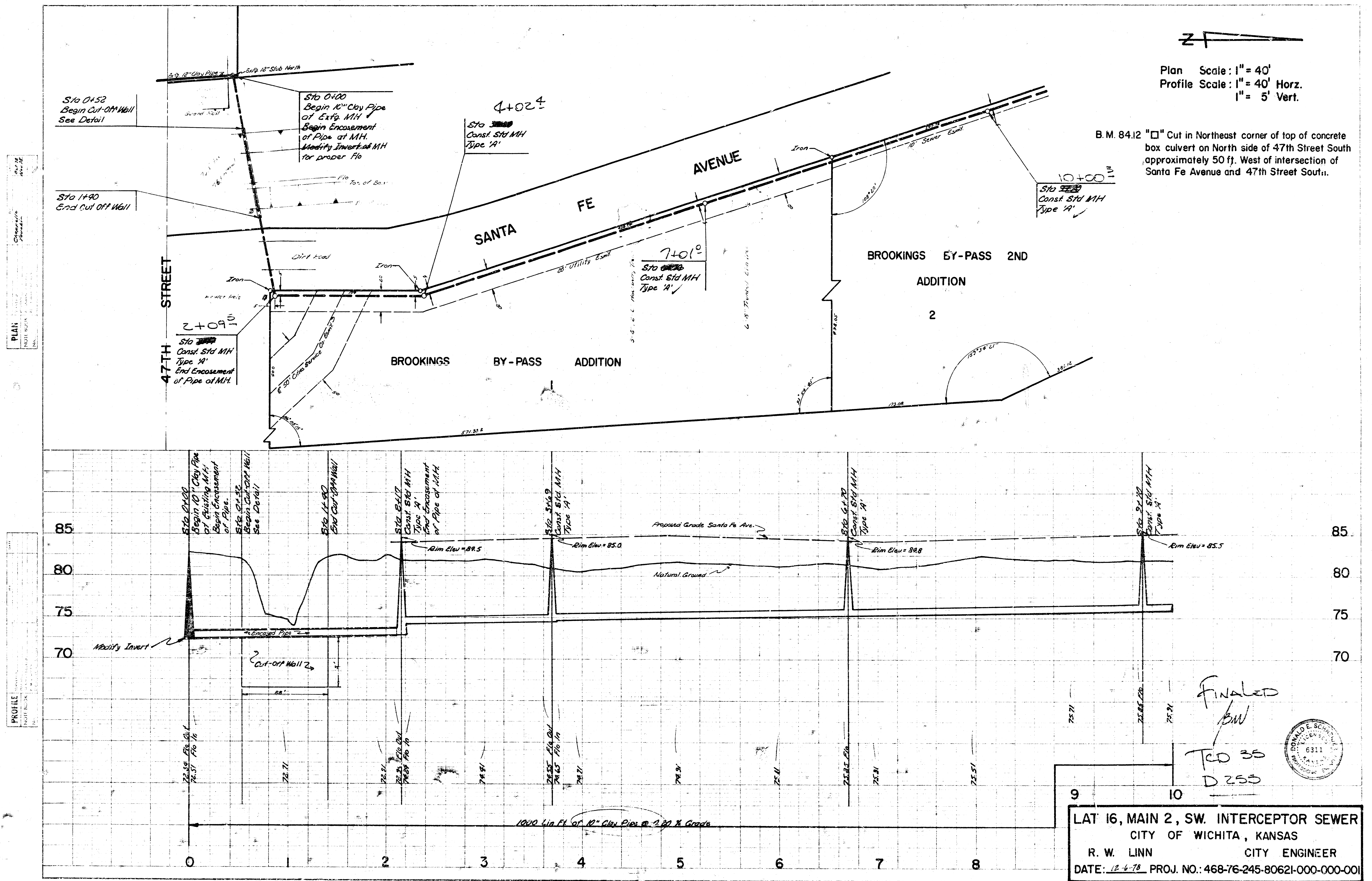


Plan Scale: 1" = 40'  
Profile Scale: 1" = 40' Horiz.  
1" = 5' Vert.

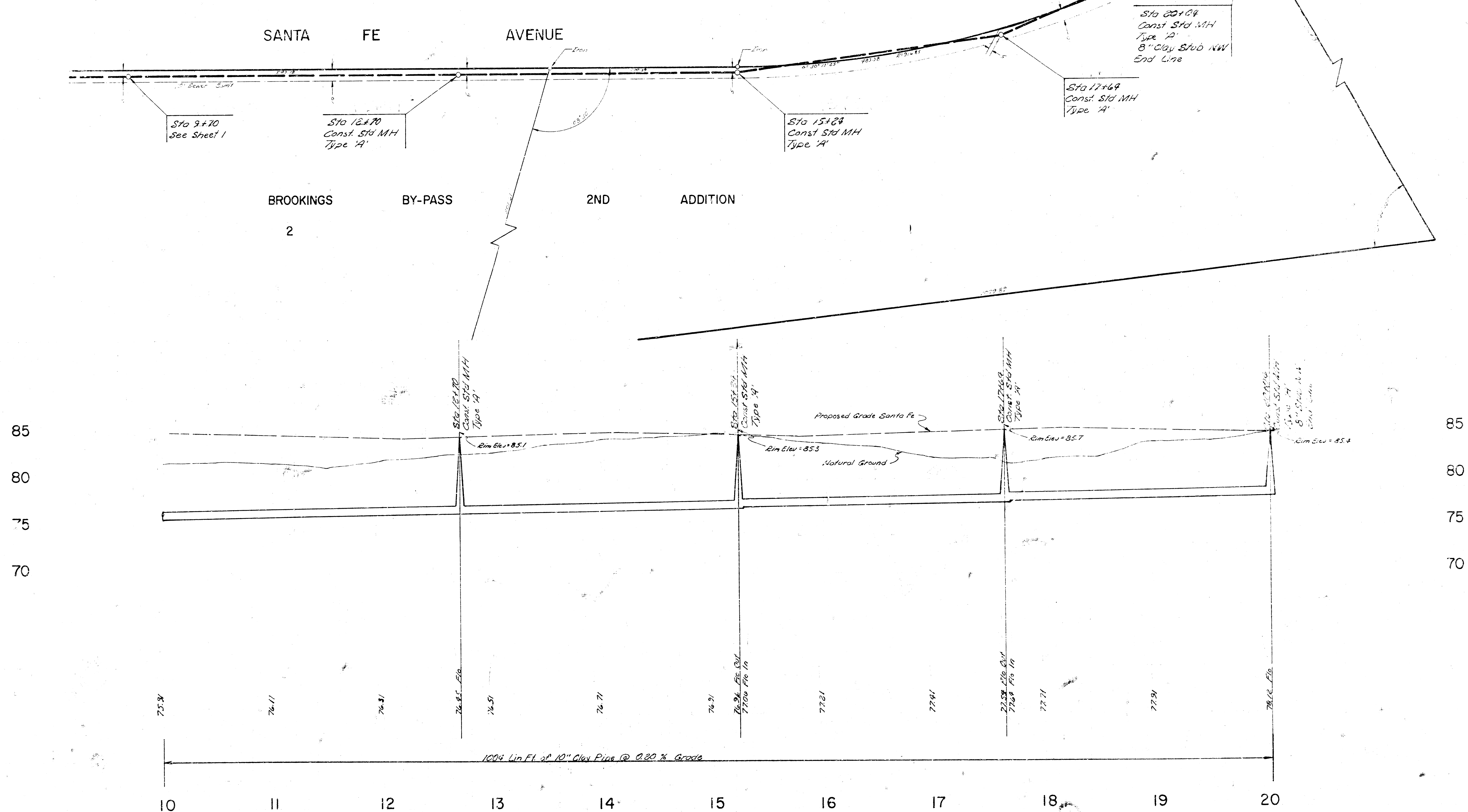
B.M. 84.12 "□" Cut in Northeast corner of top of concrete box culvert on North side of 47th Street South approximately 50 ft. West of intersection of Santa Fe Avenue and 47th Street South.



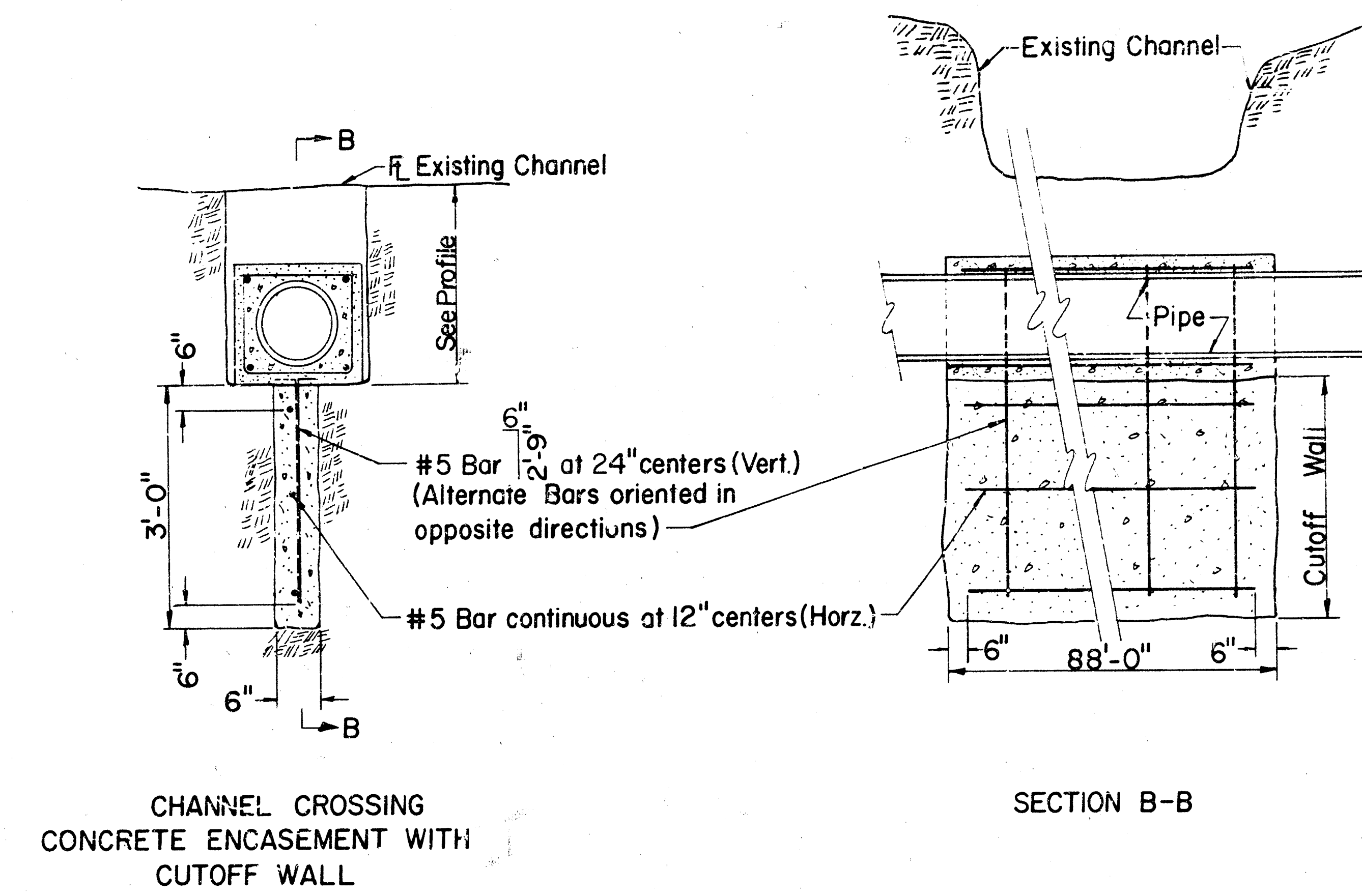
LAT 16, MAIN 2, SW. INTERCEPT SEWER  
CITY OF WICHITA, KANSAS  
R. W. LINN CITY ENGINEER  
DATE: 12-6-78 PROJ. NO.: 468-76-245-80621-000-000-001

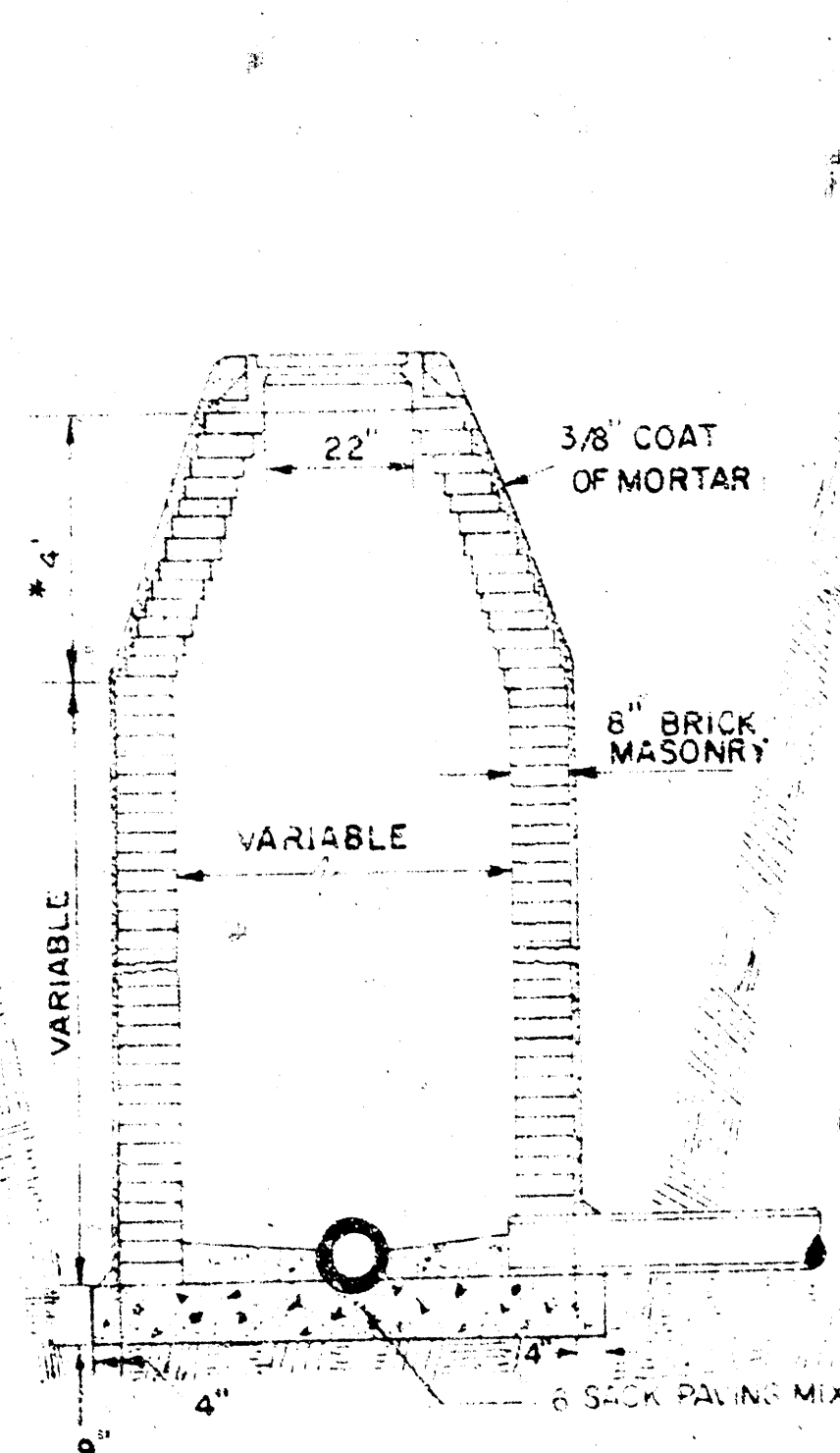
B.M. 94.12 "□" Cut in Northeast corner of top of concrete box culvert on North side of 47th Street South approximately 50 ft. West of intersection of Santa Fe Avenue and 47th Street South.

Plan Scale: 1" = 40'  
 Profile Scale: 1" = 40' Horiz.  
 1" = 5' Vert.



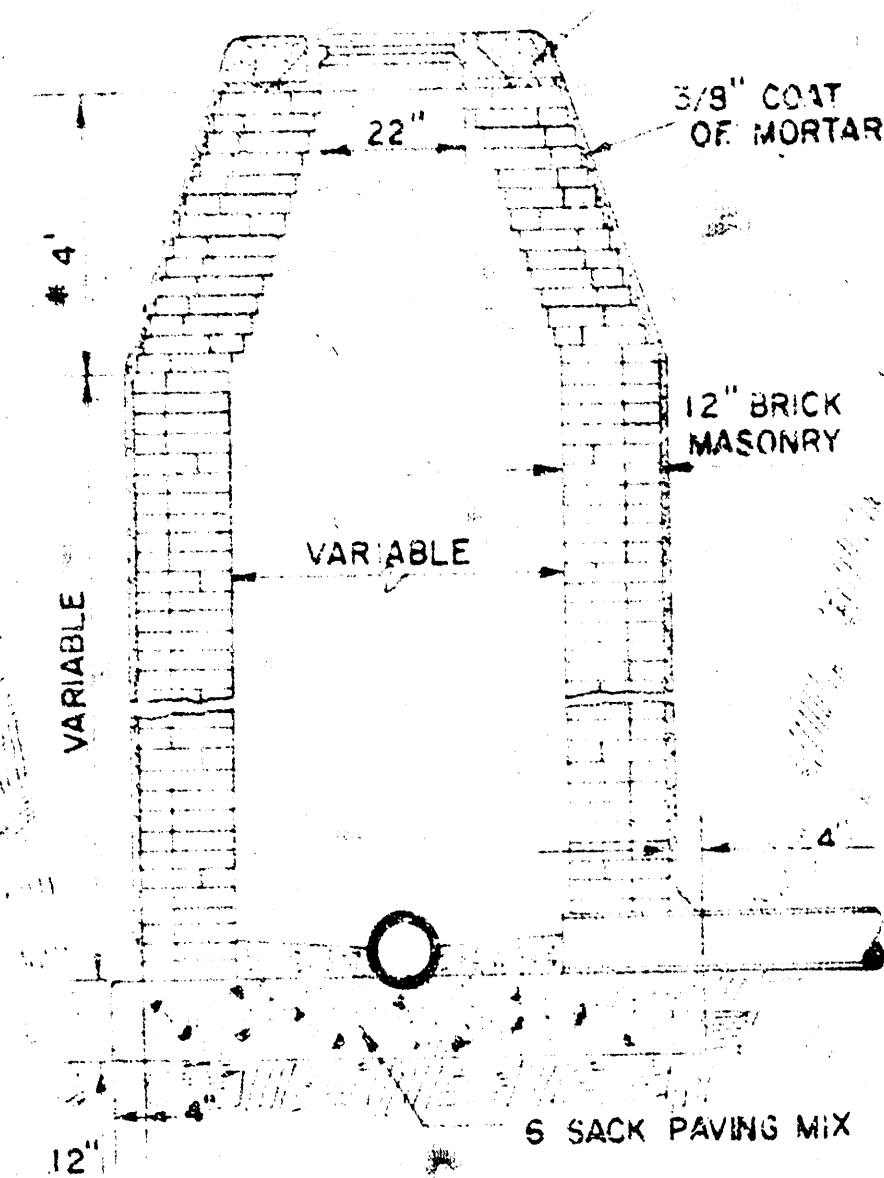
# DETAIL OF ENCASEMENT





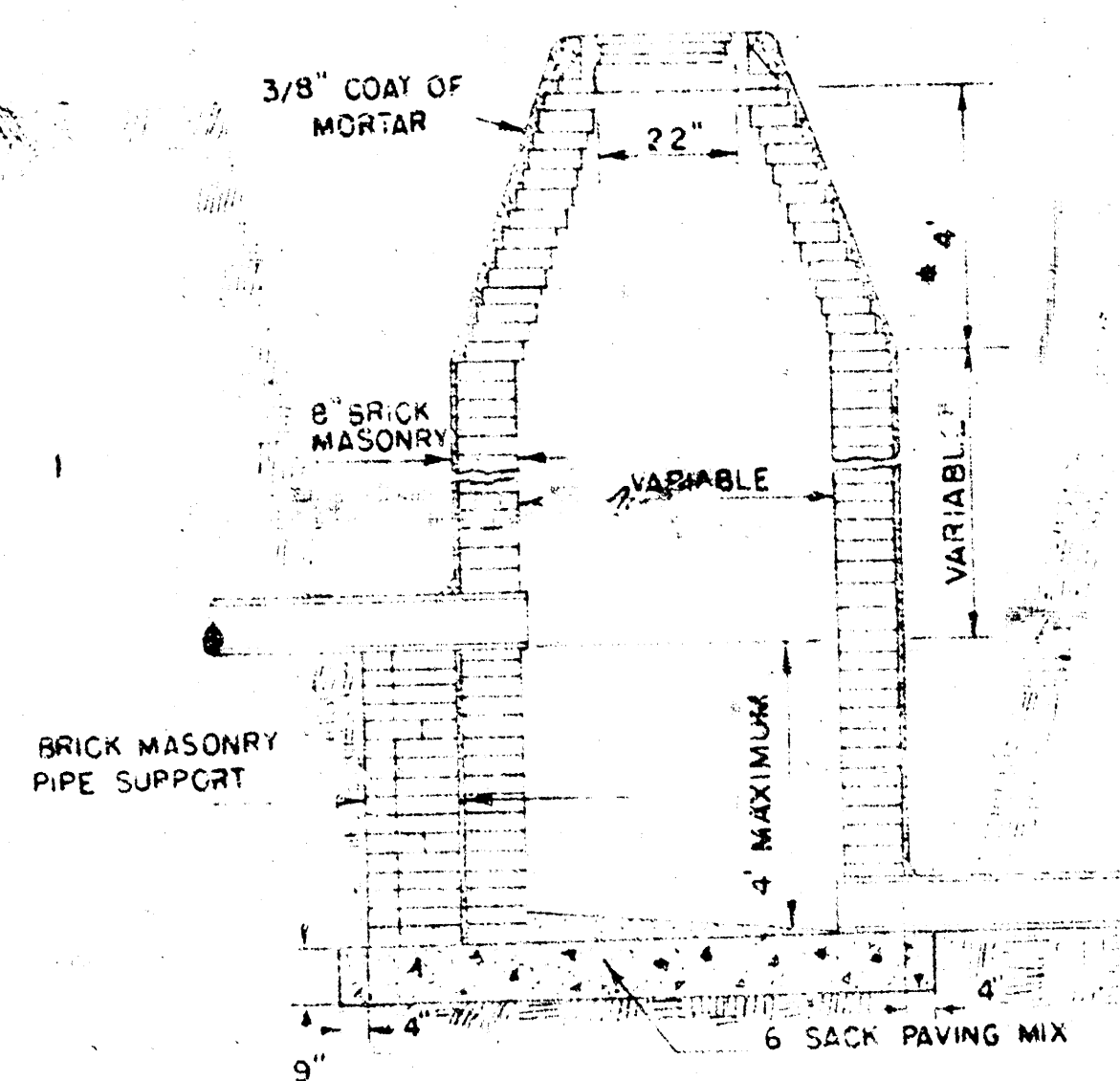
STANDARD MANHOLE  
TYPE "A"

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

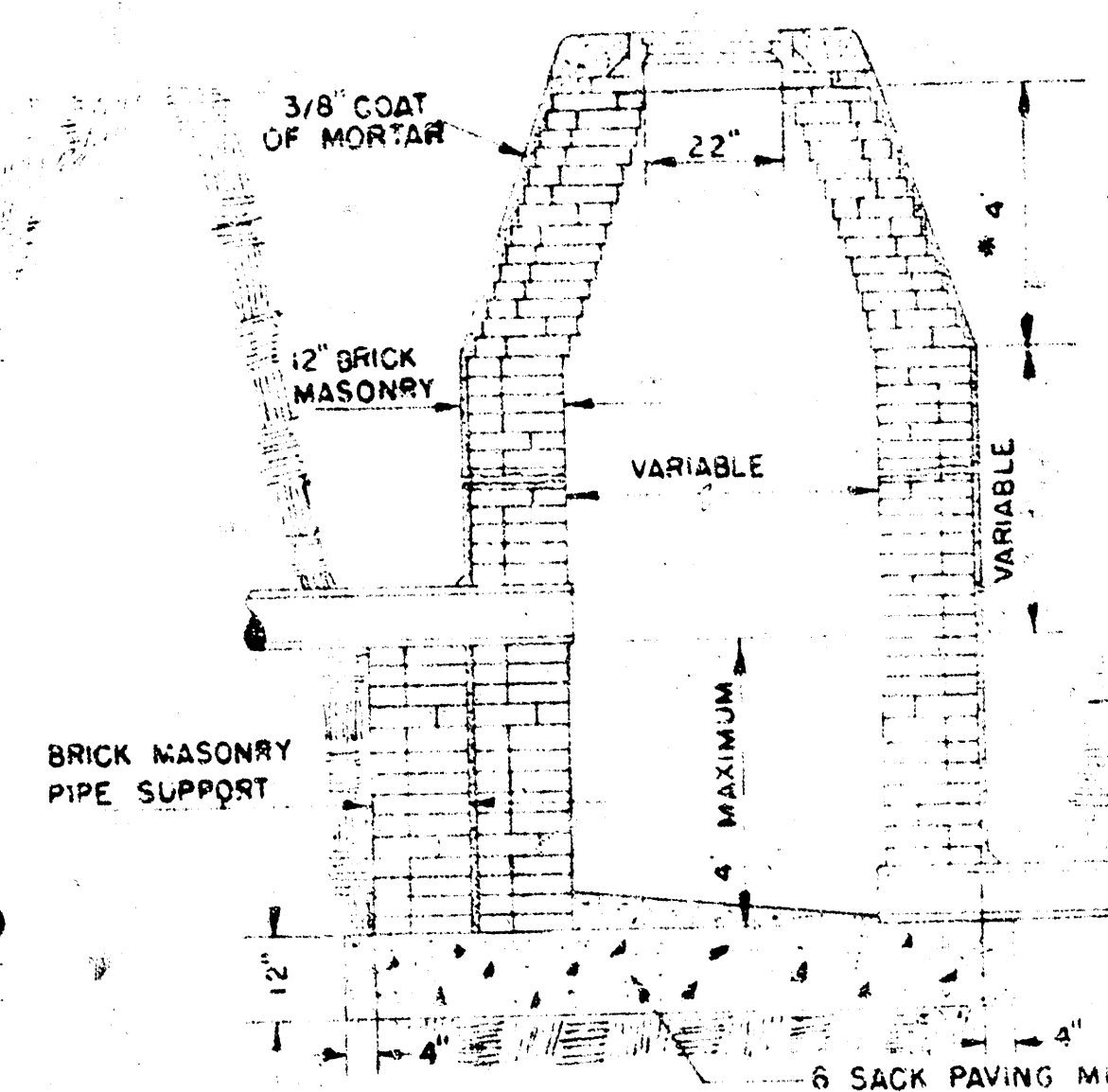


STANDARD MANHOLE  
TYPE "B"

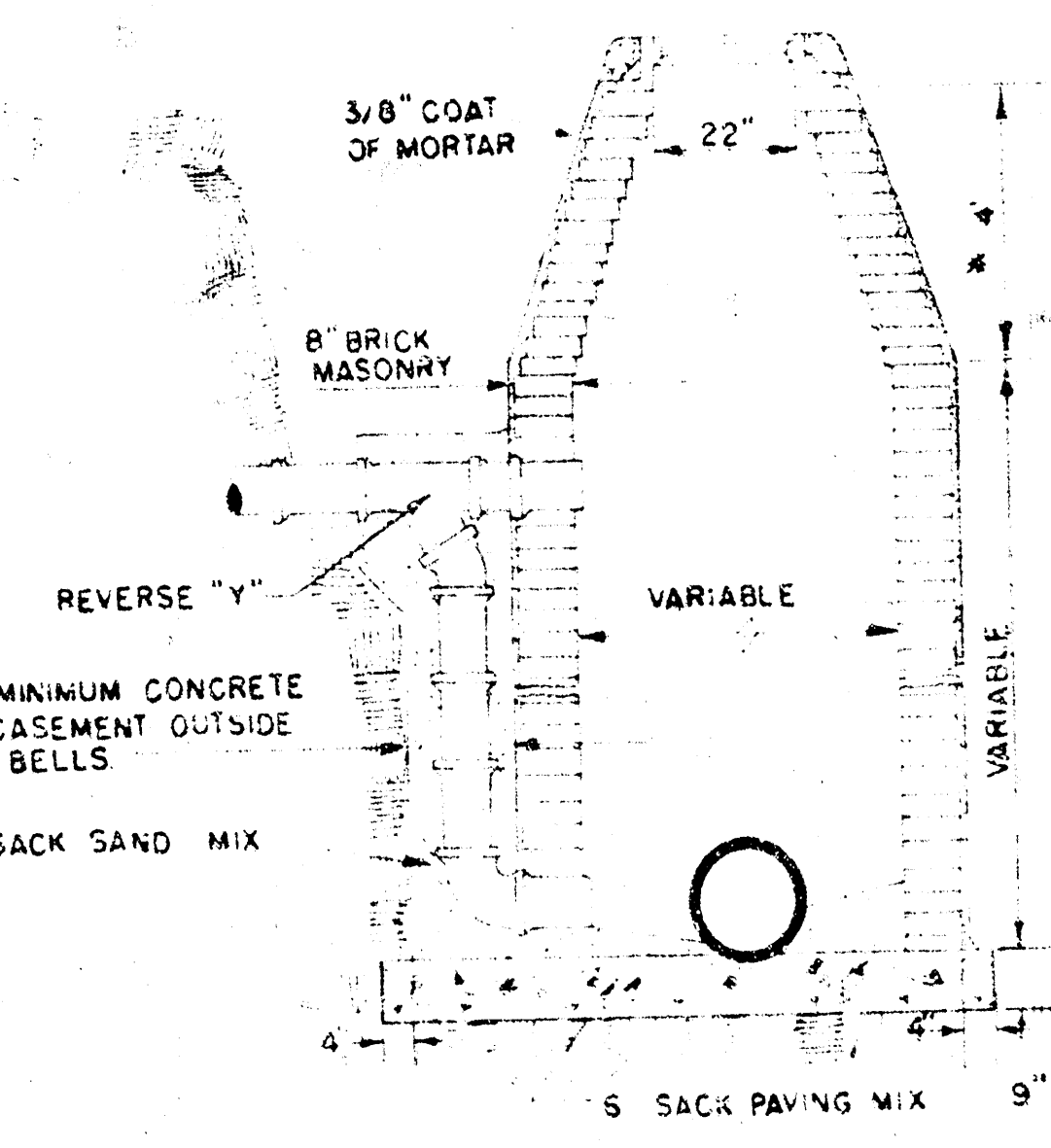
GROUT TO BE PLACED AROUND MANHOLE RING  
ONLY WHEN MANHOLE IS CONSTRUCTED IN  
UNPAVED AREAS. (TYPICAL ALL MANHOLES)



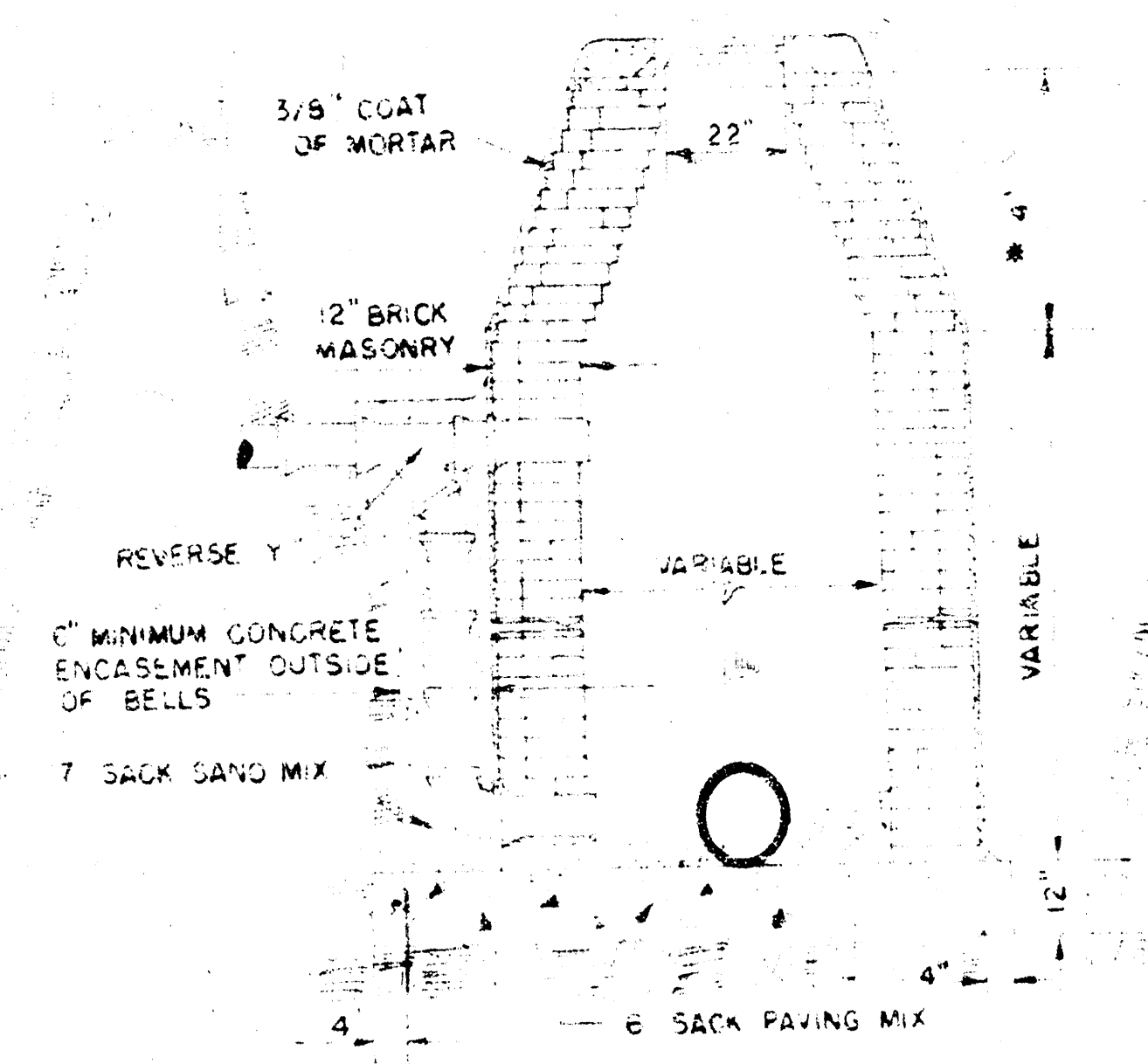
DROP MANHOLE  
TYPE "A"



DROP MANHOLE  
TYPE "B"

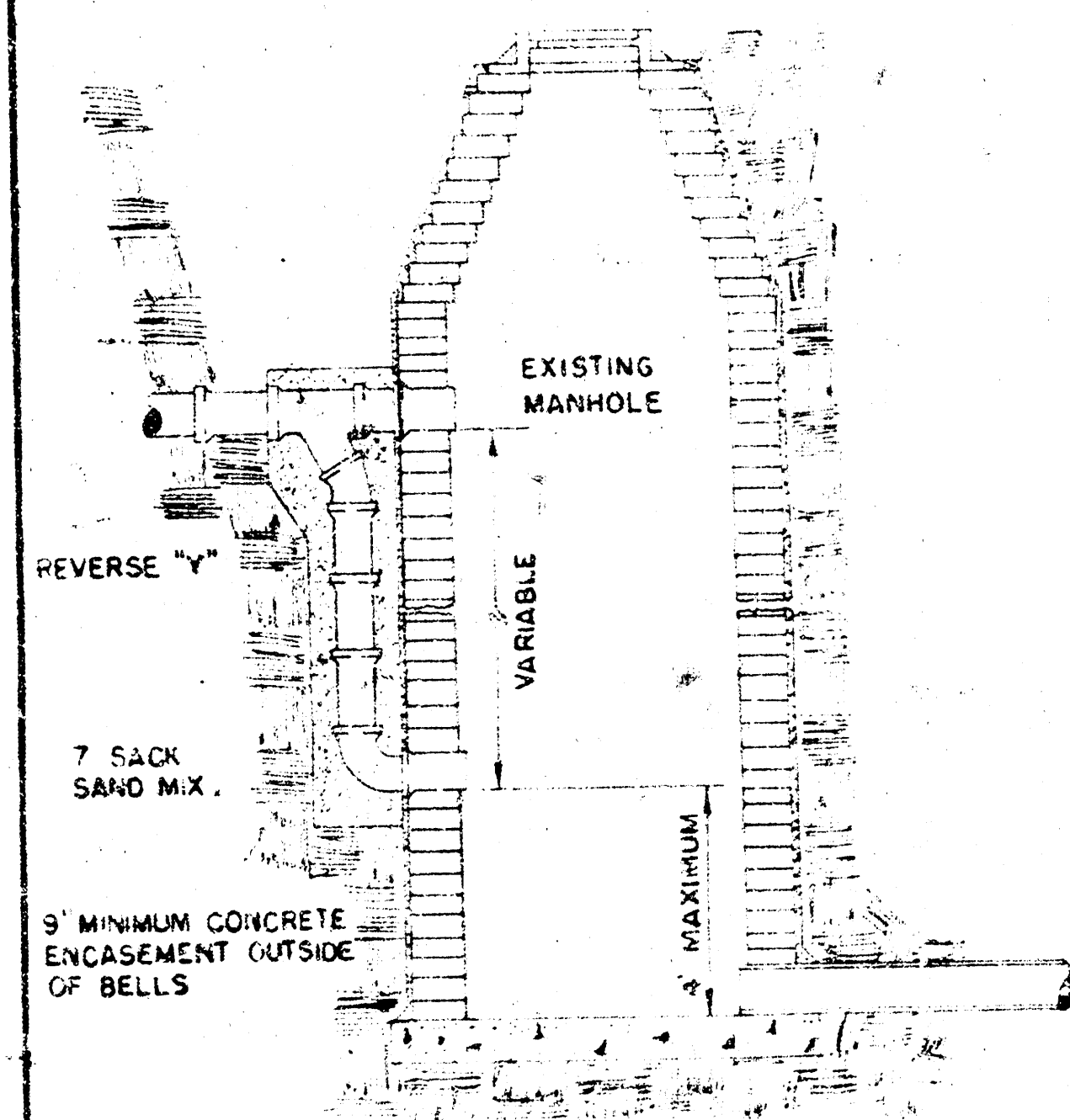


OUTSIDE DROP MANHOLE  
TYPE "A"

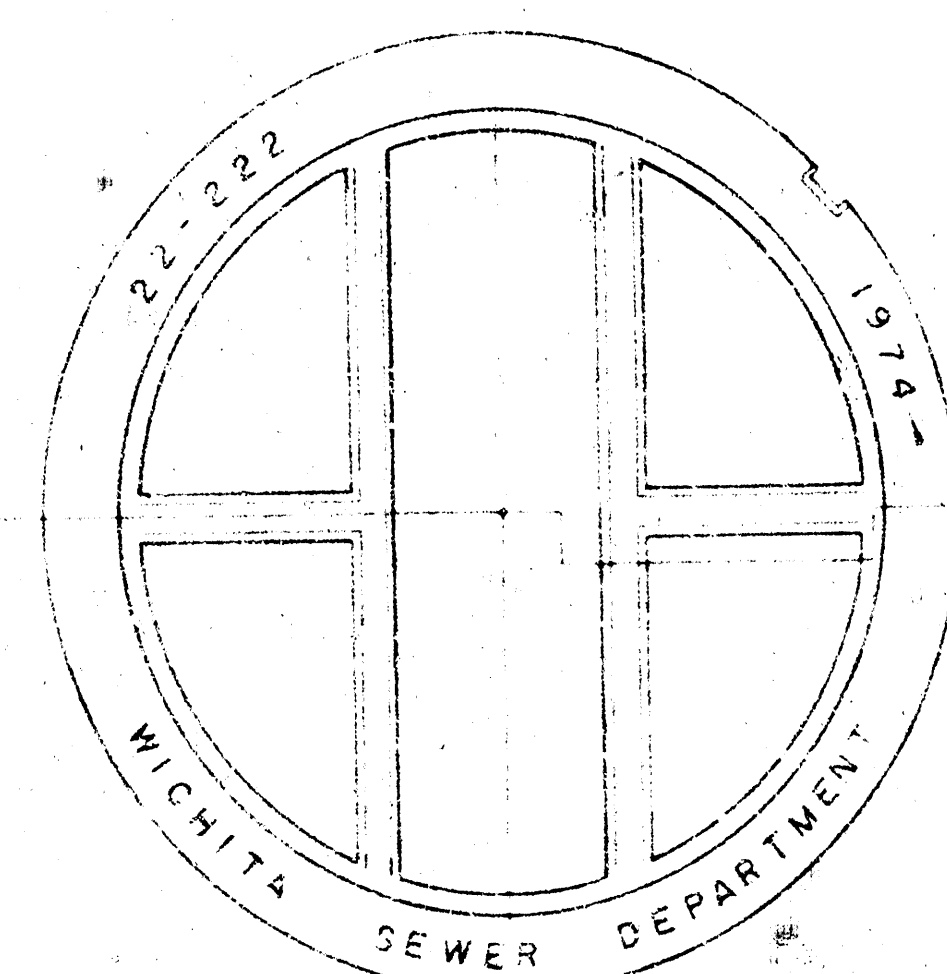


OUTSIDE DROP MANHOLE  
TYPE "B"

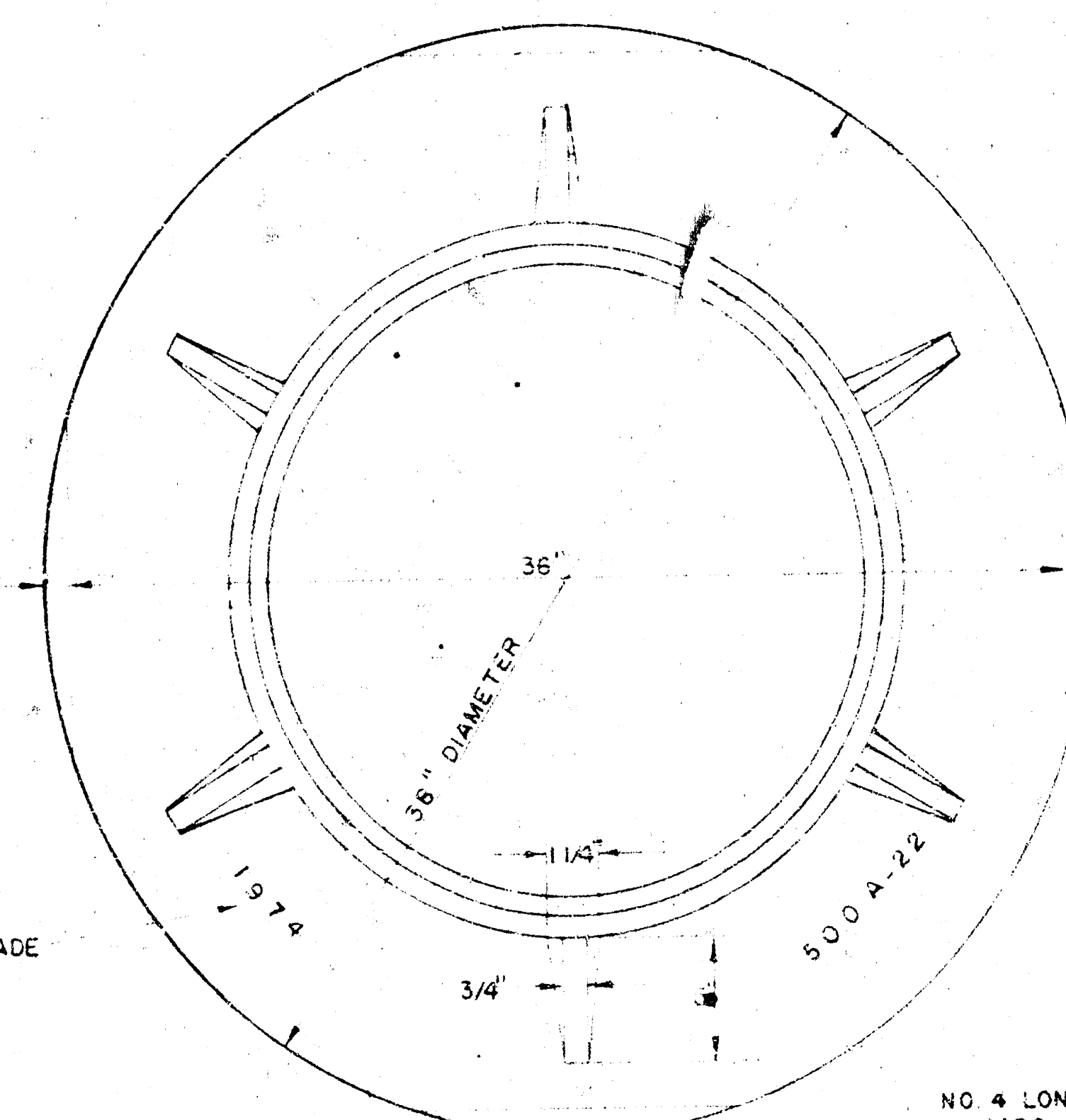
NOTE: REINFORCING STEEL SHALL BE INSTALLED IN THE MANHOLE BASES 6" ABOVE  
THE BOTTOM. REINFORCING STEEL SHALL CONSIST OF NO. 4 BARS PLACED  
ON 6" CENTERS IN BOTH DIRECTIONS. THE COST OF REINFORCING STEEL  
IS TO BE INCLUDED IN THE PRICE BID FOR THE MANHOLE.



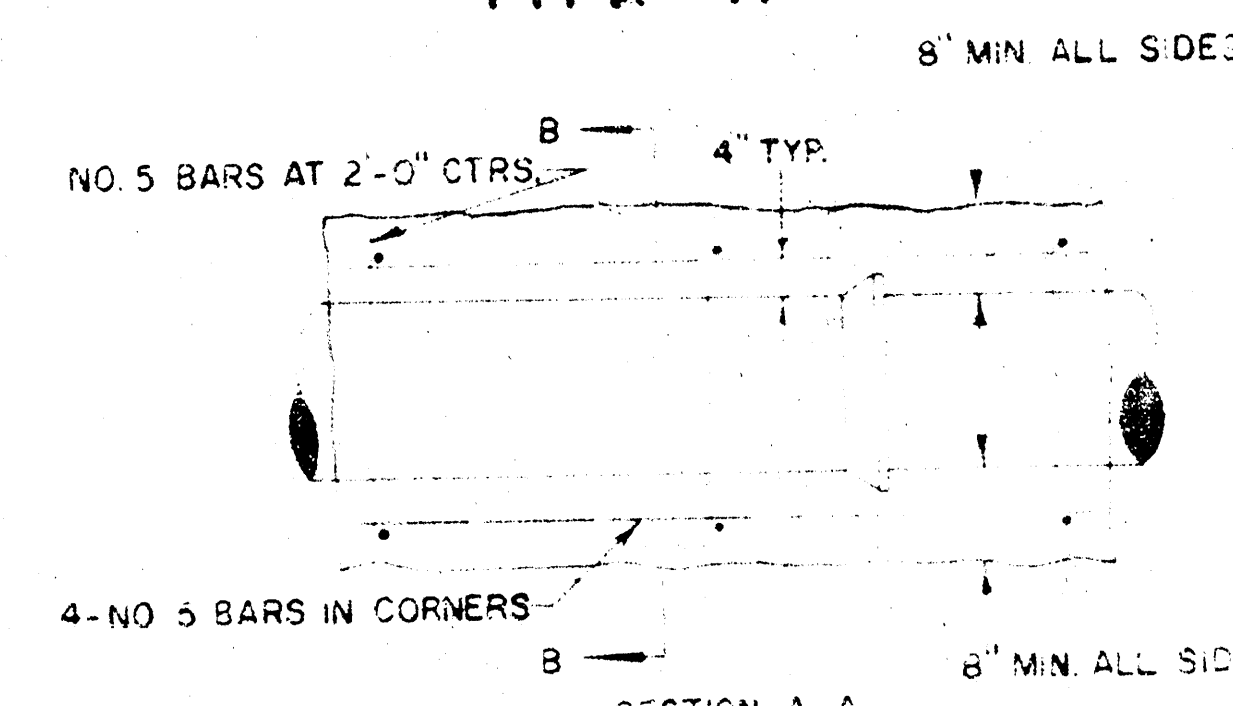
DETAIL OF DROP STACK  
FOR EXISTING MANHOLES IN GROUND WATER



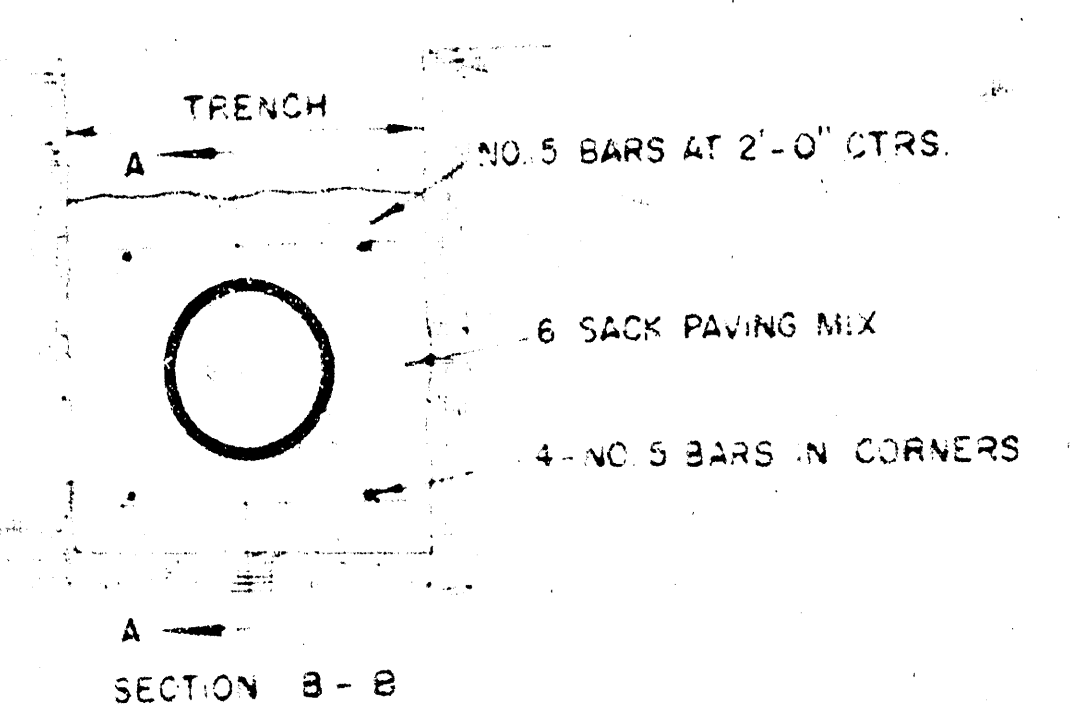
MANHOLE COVER  
WEIGHT 10 LBS.



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

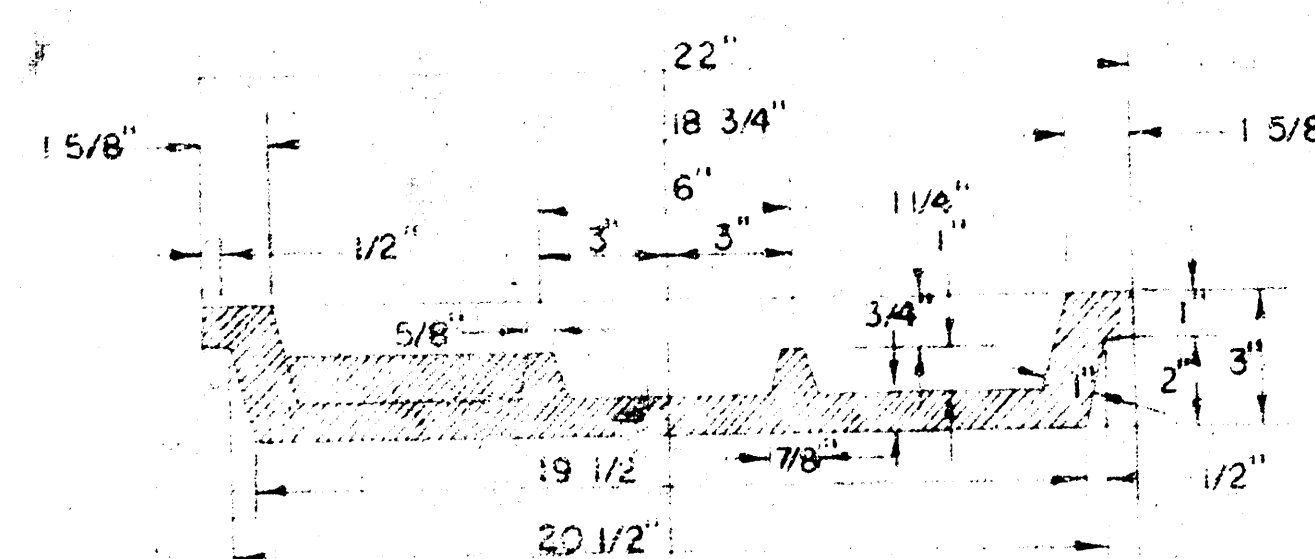


REINFORCED CONCRETE ENCASEMENT

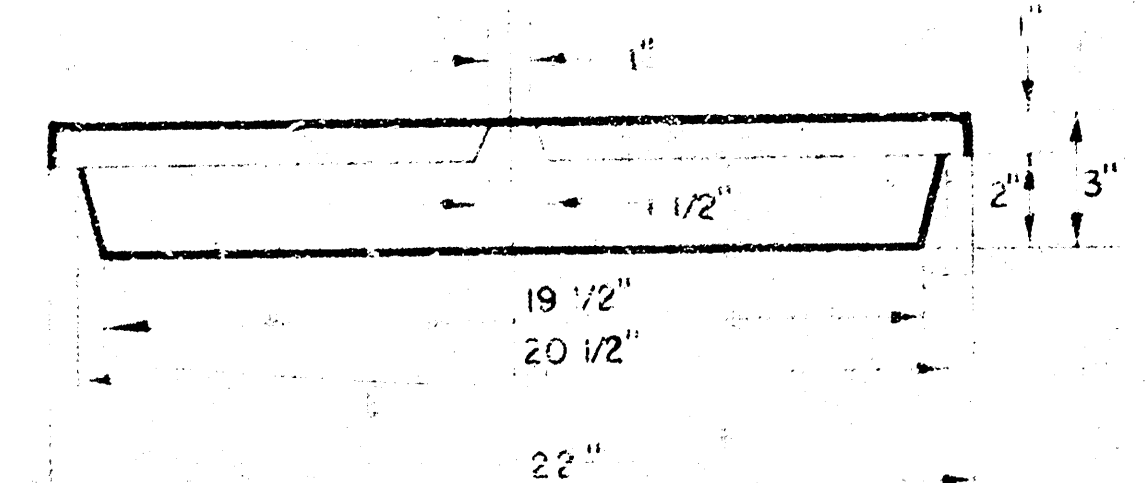


### GENERAL NOTES

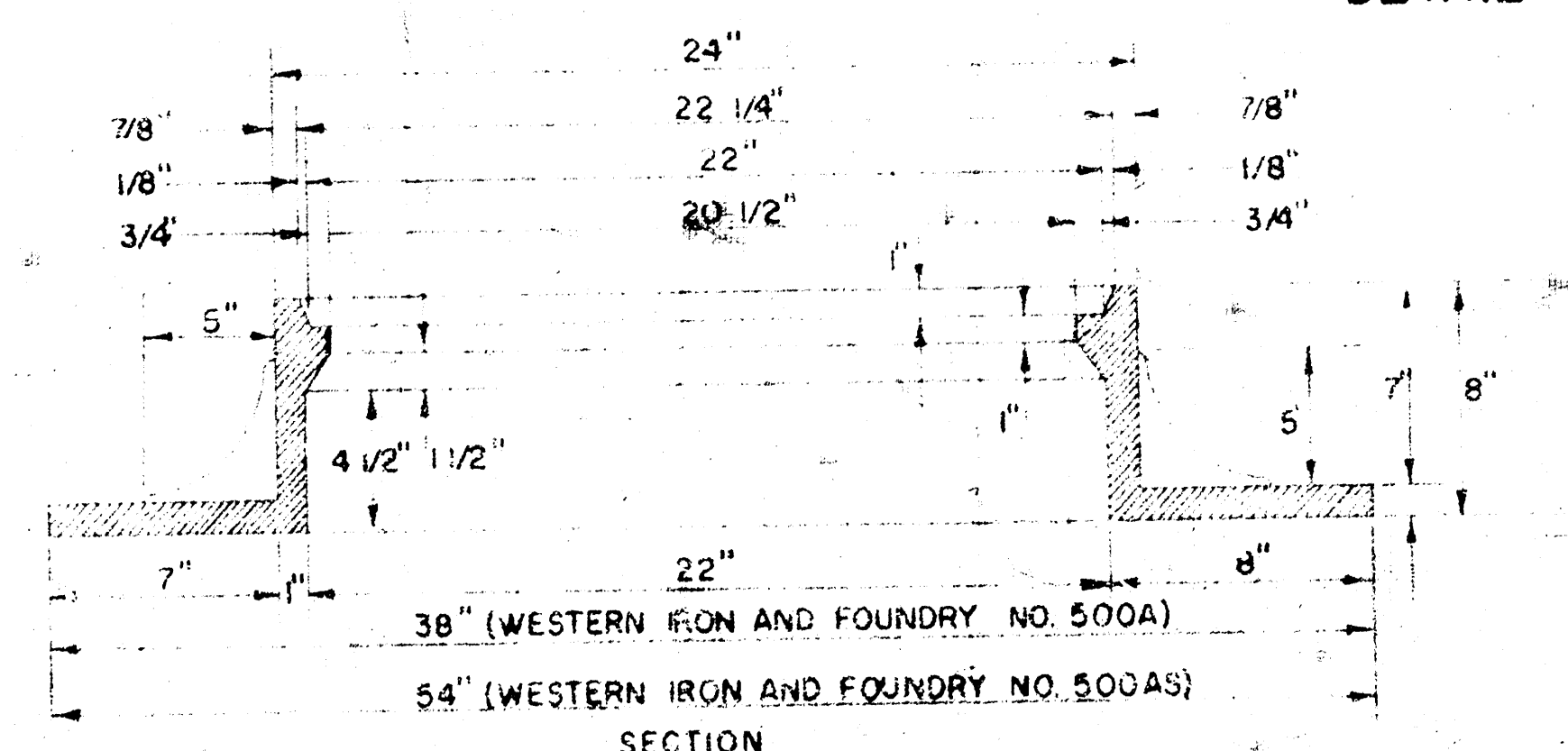
- MORTAR USED IN MASONRY CONSTRUCTION SHALL CONTAIN 8 SACKS OF CEMENT PER CUBIC YARD.
- STANDARD MANHOLES TYPE A OR TYPE B AND STANDARD DROP MANHOLES TYPE A OR TYPE B SHALL BE BID AS STANDARD MANHOLES FOR THE TYPE AND DIAMETER INDICATED.
- OUTSIDE DROP MANHOLES SHALL BE BID AS STANDARD OUTSIDE DROP MANHOLES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



MANHOLE COVER

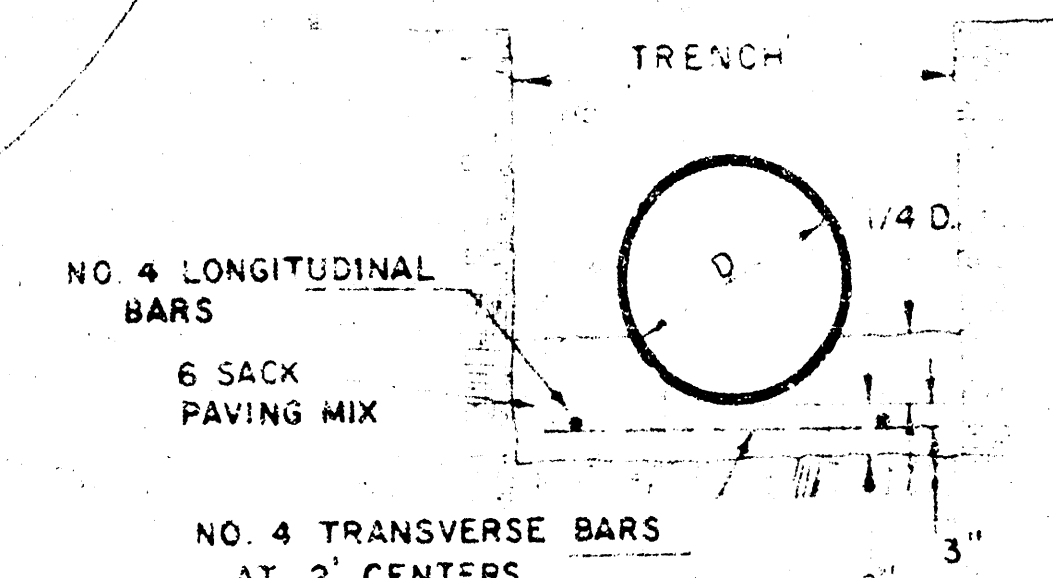


MANHOLE COVER



MANHOLE RING

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



DETAIL OF CONCRETE CRADLE

ORDINARY BEDDING METHOD  
STORM SEWER PIPE

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