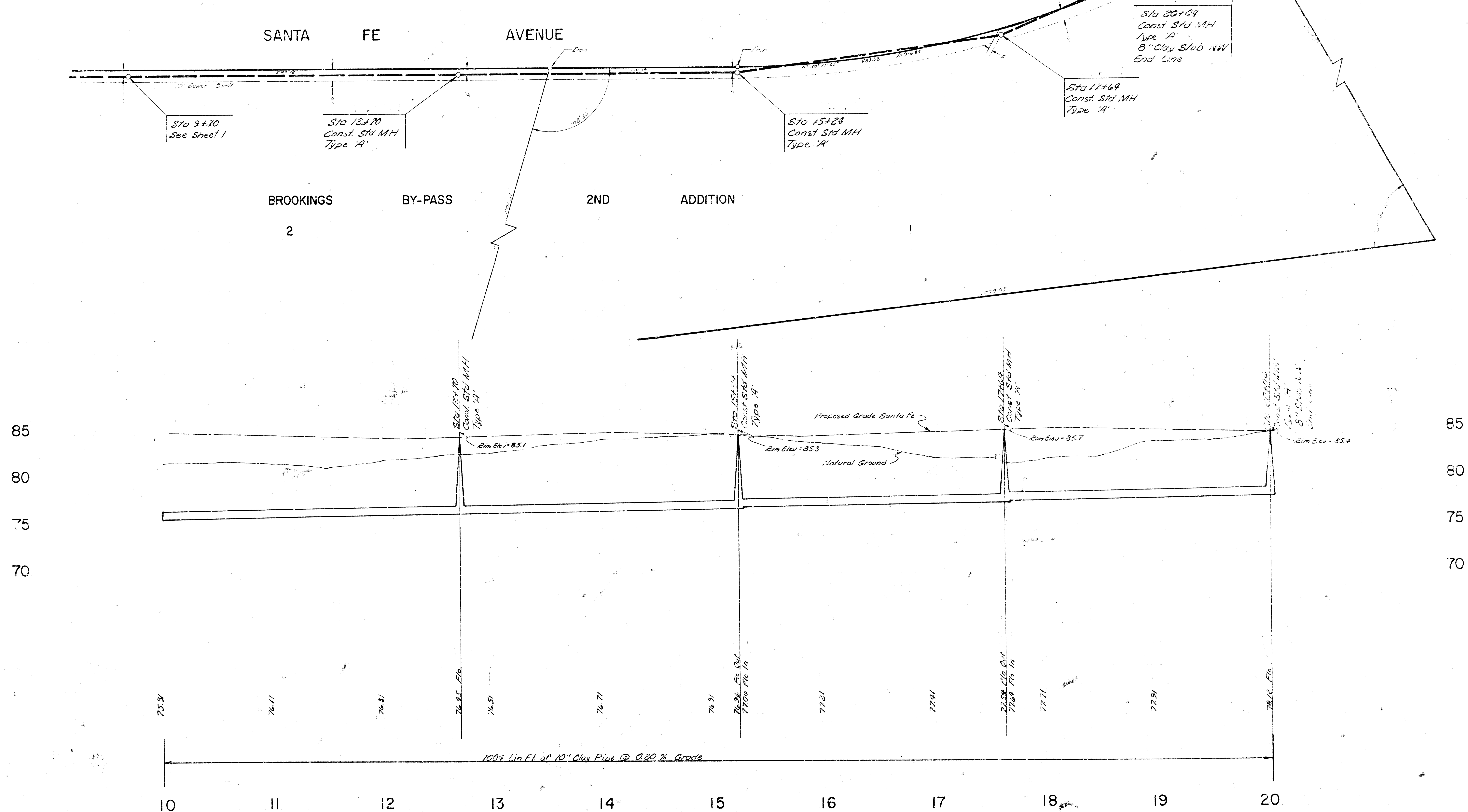
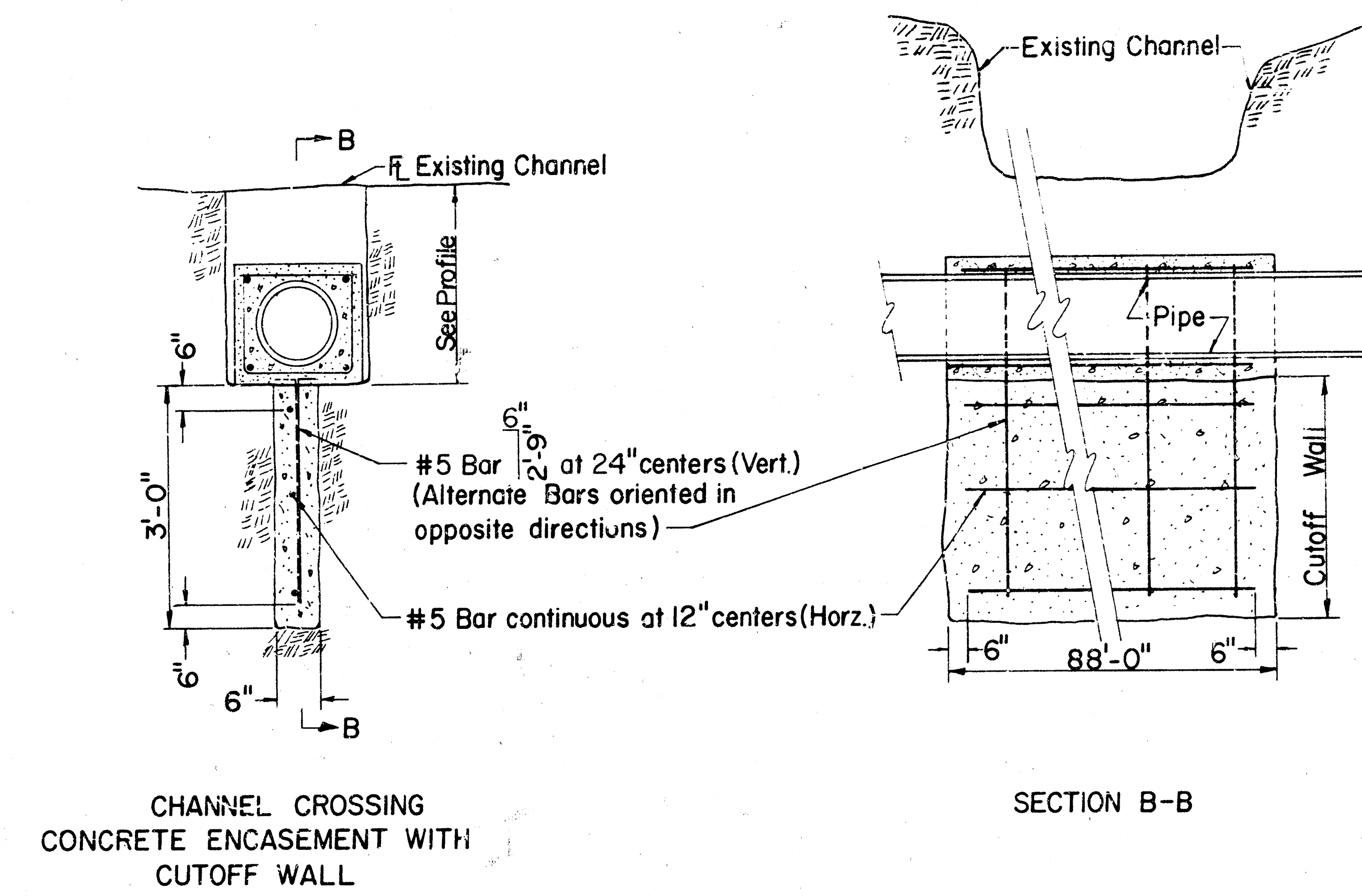


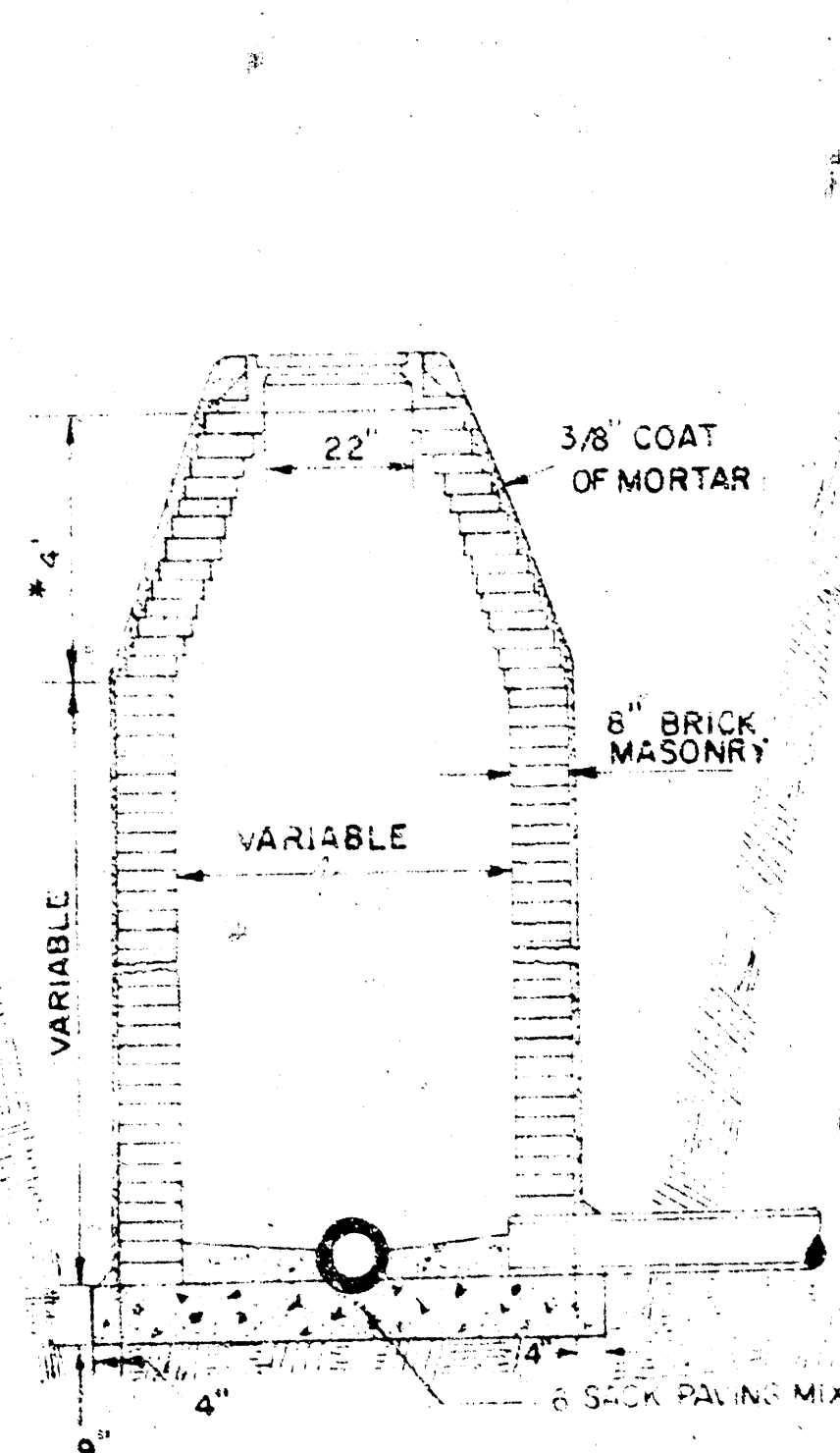
B.M. 94.12 "□" Cut in Northeast corner of top of concrete box culvert on North side of 47th Street South approximately 50 ft. West of intersection of Santa Fe Avenue and 47th Street South.

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

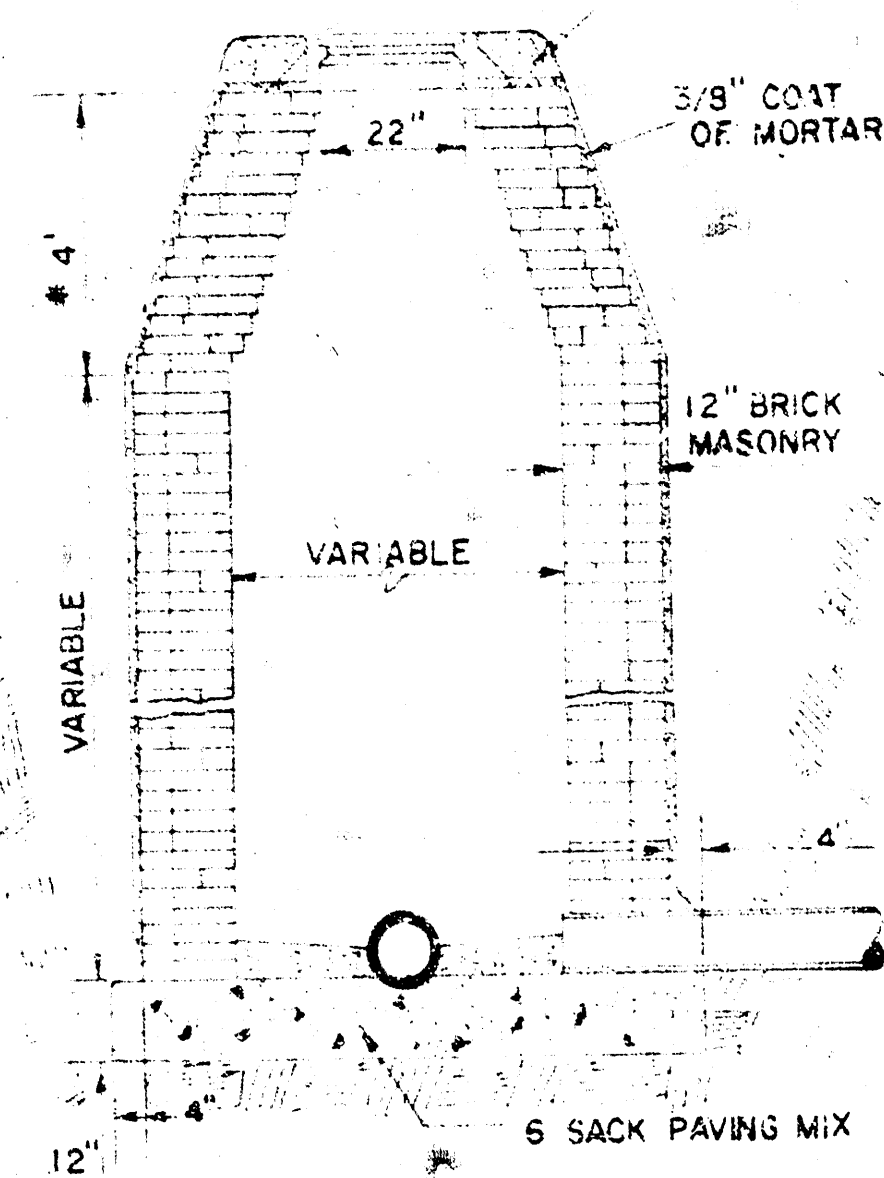


DETAIL OF ENCASEMENT



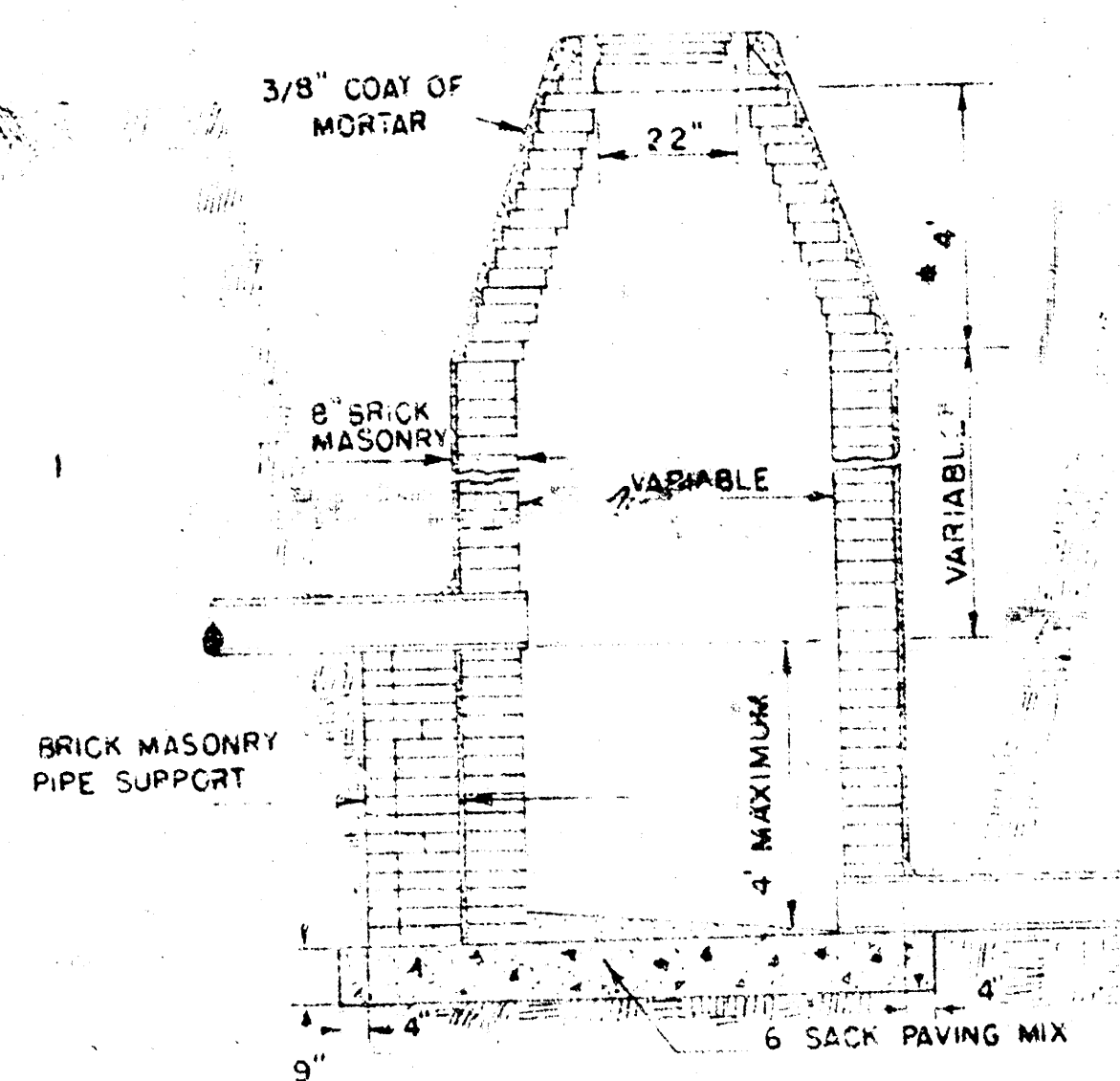


STANDARD MANHOLE
TYPE "A"

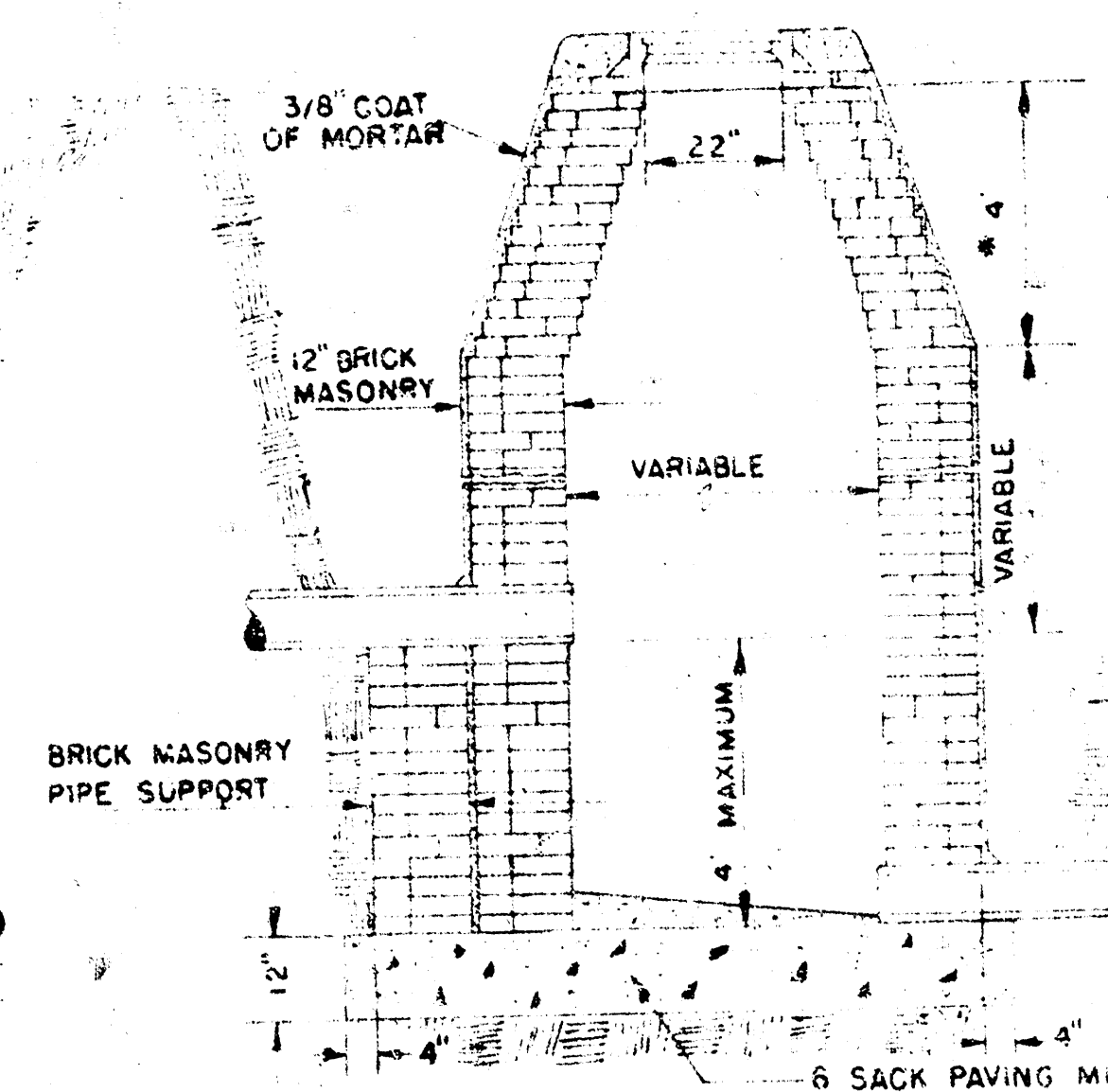


STANDARD MANHOLE
TYPE "B"

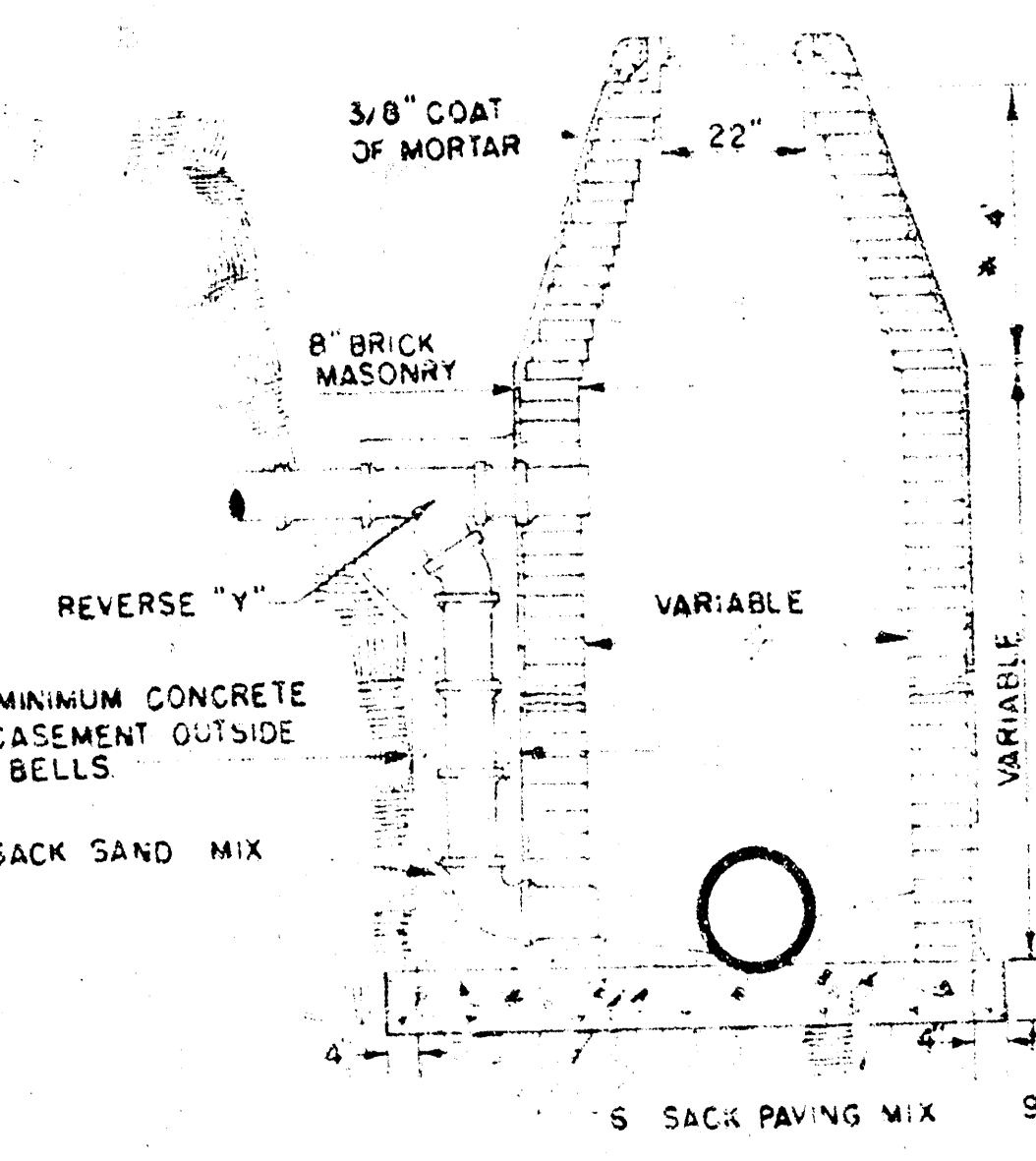
GROUT TO BE PLACED AROUND MANHOLE RING
ONLY WHEN MANHOLE IS CONSTRUCTED IN
UNPAVED AREAS. (TYPICAL ALL MANHOLES)



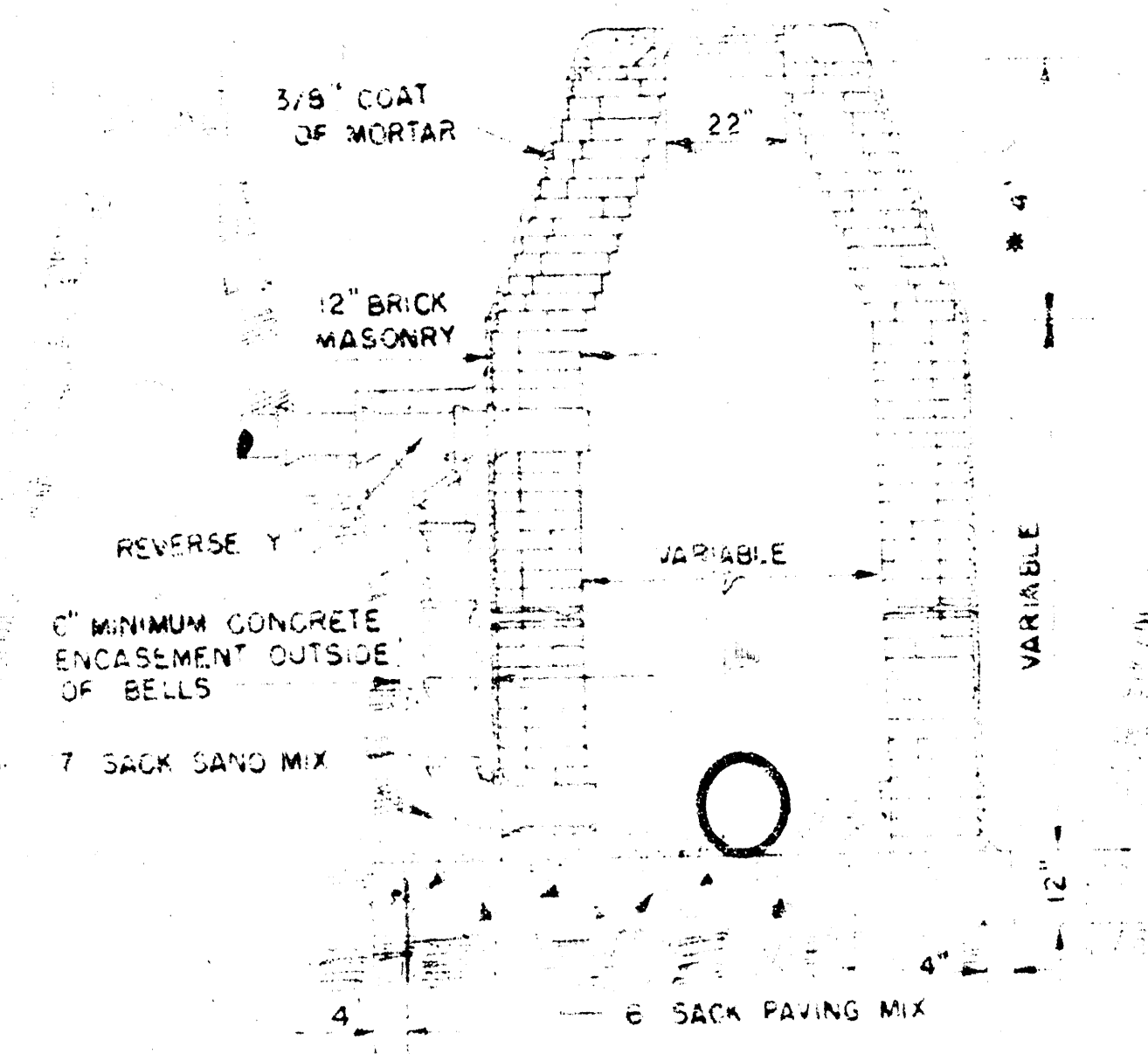
DROP MANHOLE
TYPE "A"



DROP MANHOLE
TYPE "B"



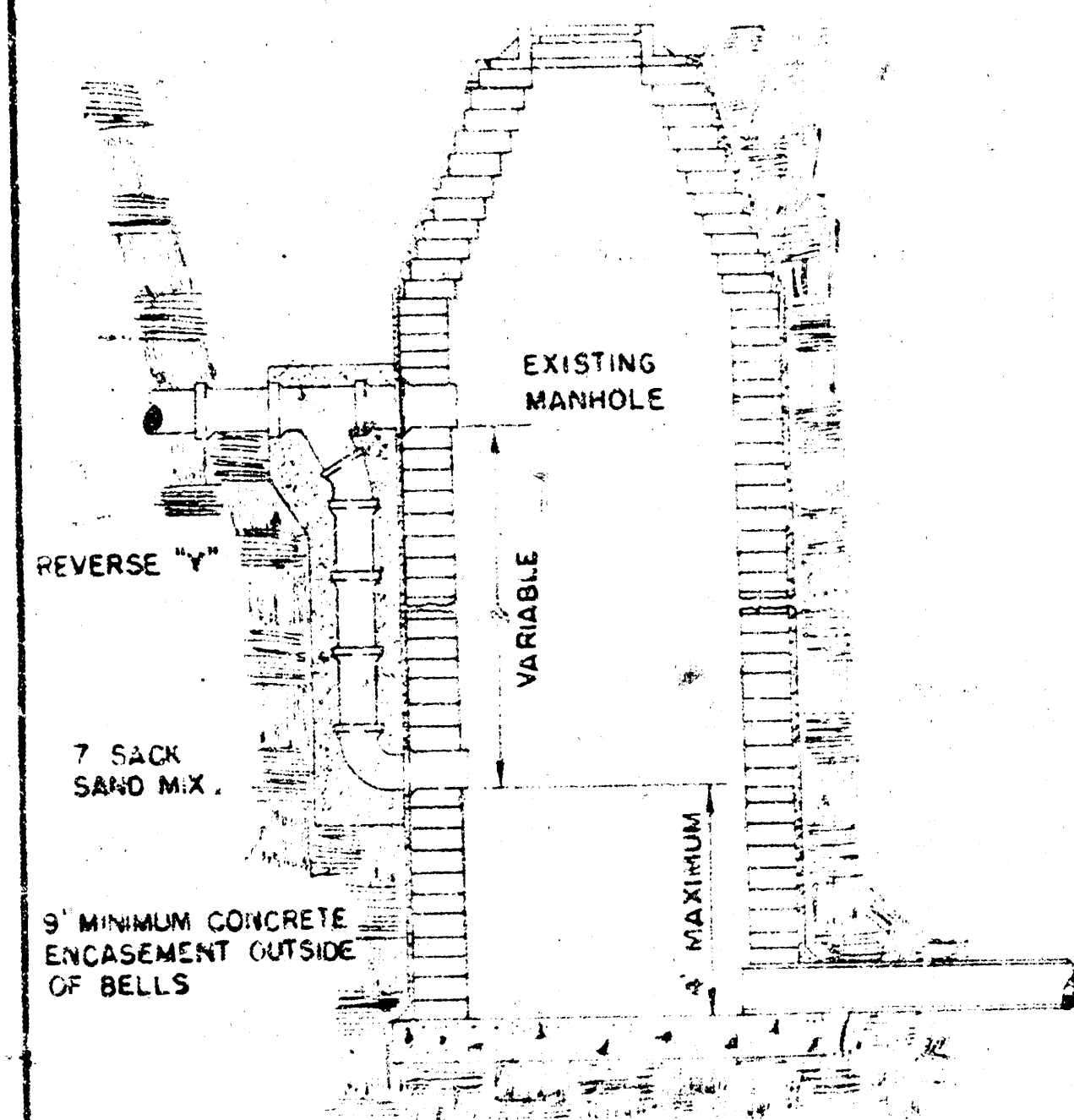
OUTSIDE DROP MANHOLE
TYPE "A"



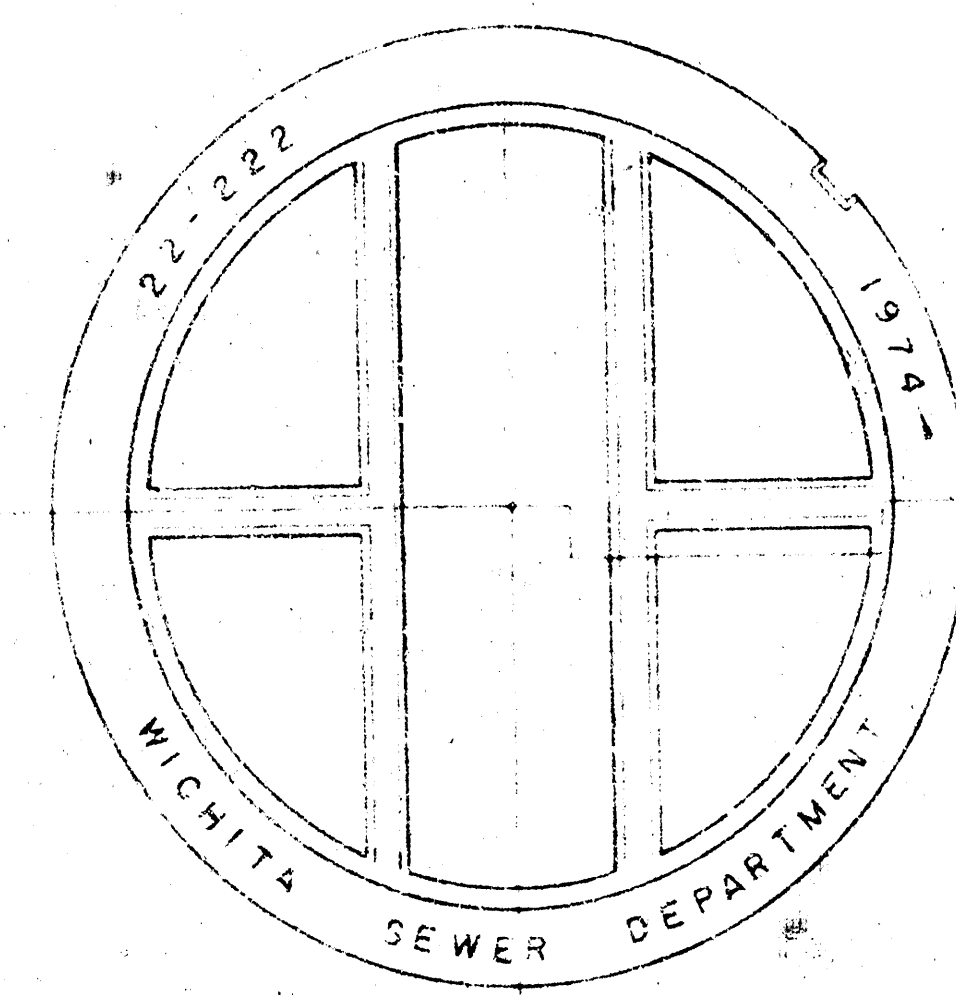
OUTSIDE DROP MANHOLE
TYPE "B"

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

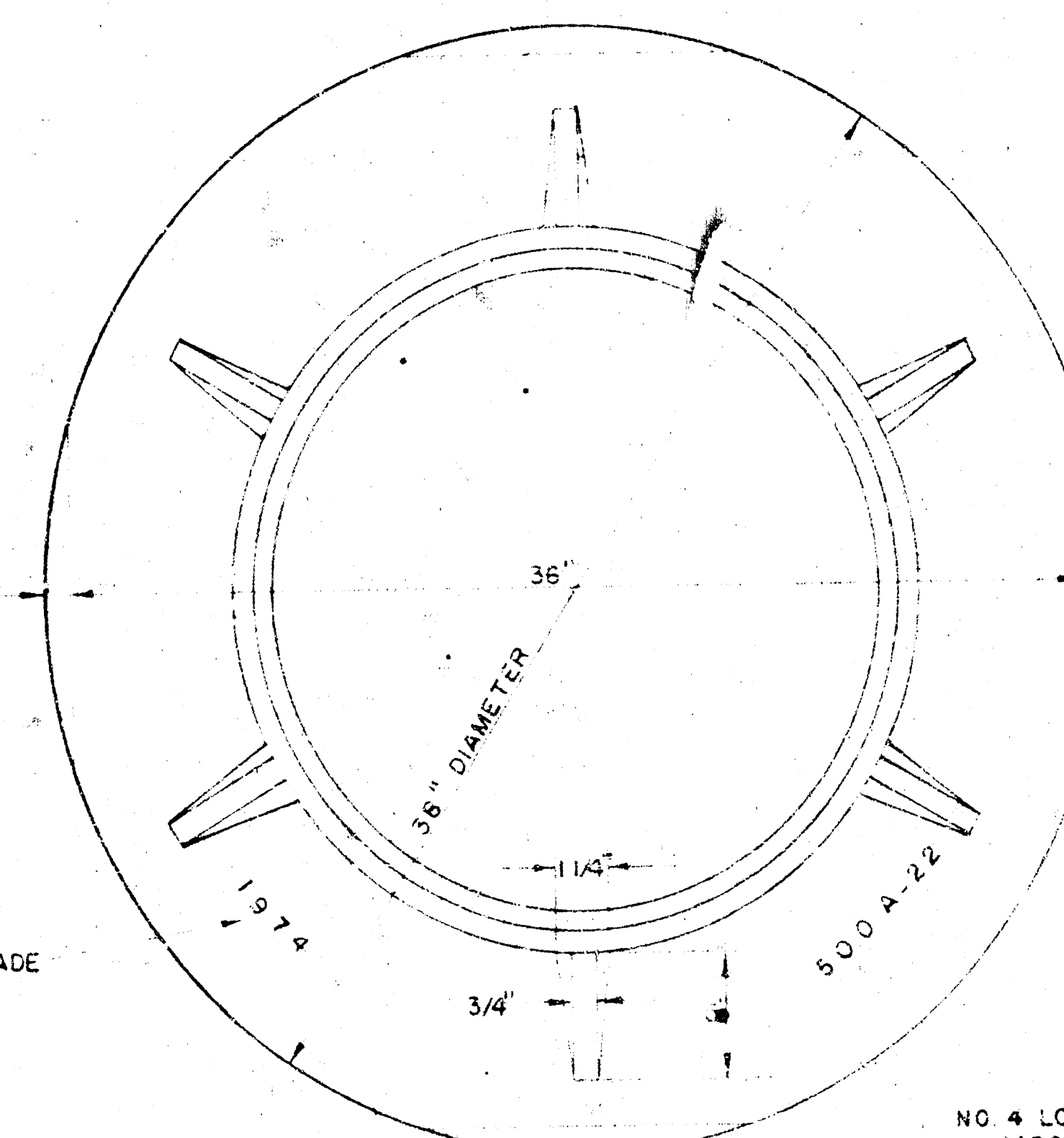
NOTE: REINFORCING STEEL SHALL BE INSTALLED IN THE MANHOLE BASES 6" ABOVE
THE BOTTOM. REINFORCING STEEL SHALL CONSIST OF NO. 4 BARS PLACED
ON 6" CENTERS IN BOTH DIRECTIONS. THE COST OF REINFORCING STEEL
IS TO BE INCLUDED IN THE PRICE BID FOR THE MANHOLE.



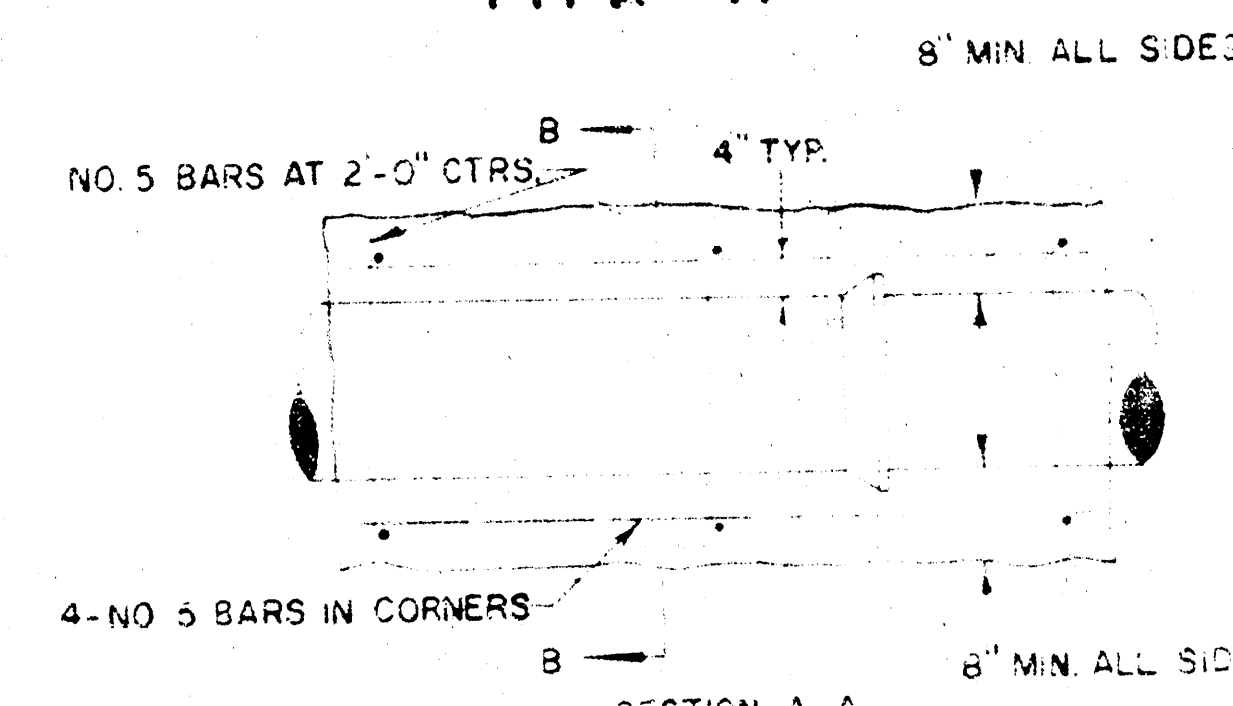
DETAIL OF DROP STACK
FOR EXISTING MANHOLES IN GROUND WATER



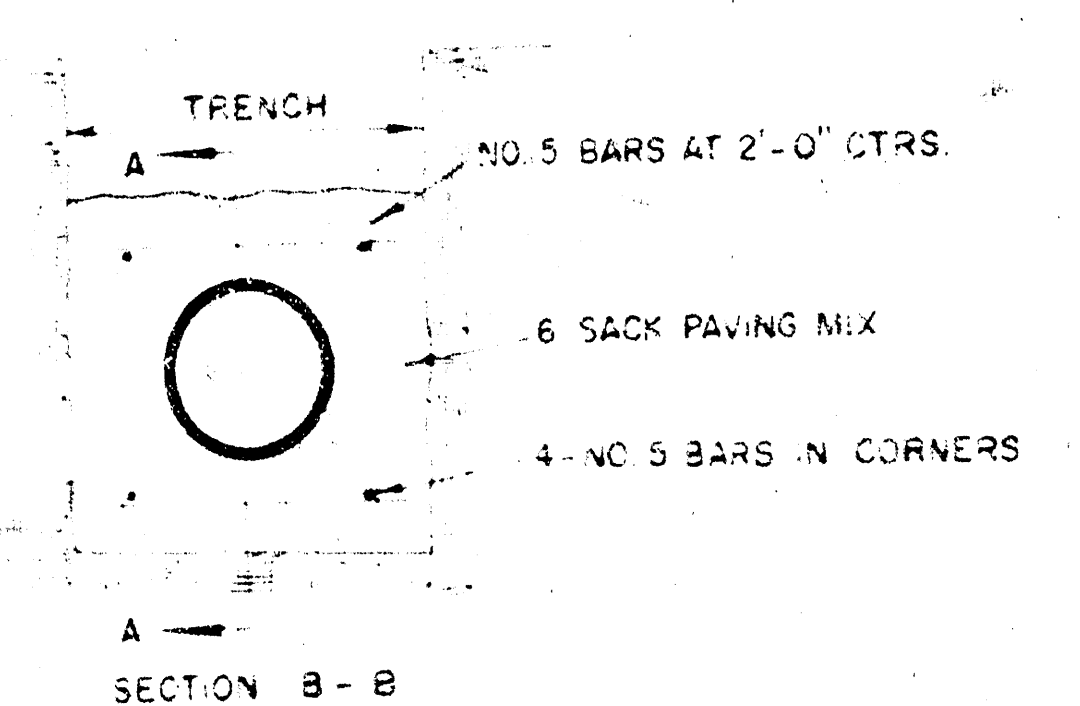
MANHOLE COVER
WEIGHT 40 LBS.



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

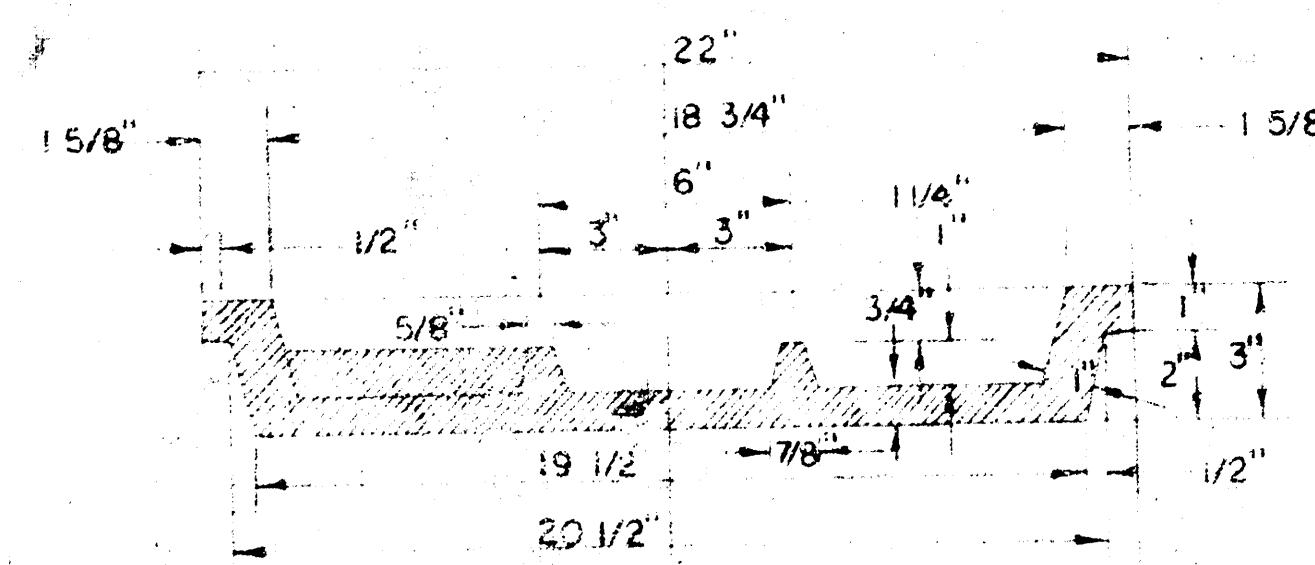


REINFORCED CONCRETE ENCASEMENT

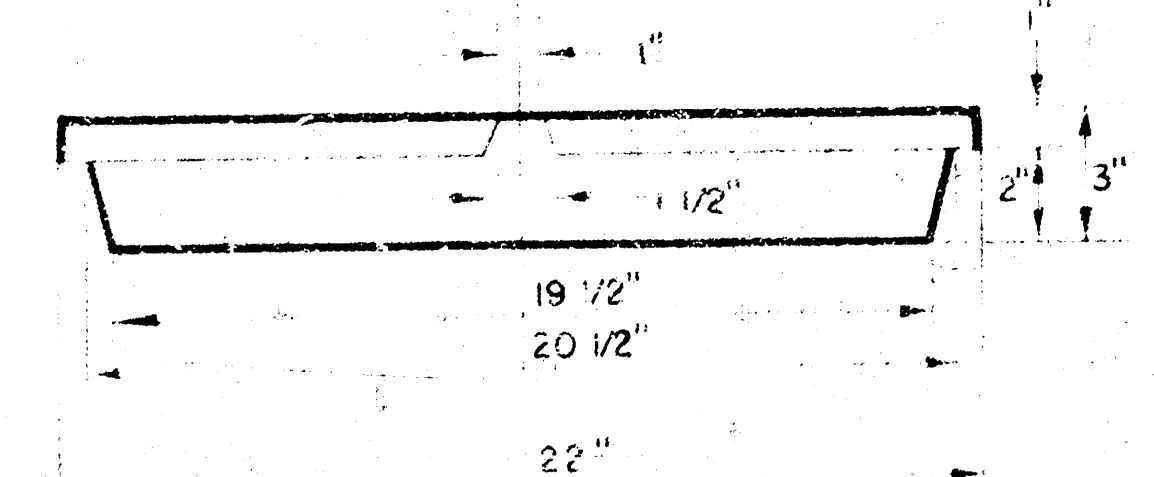


GENERAL NOTES

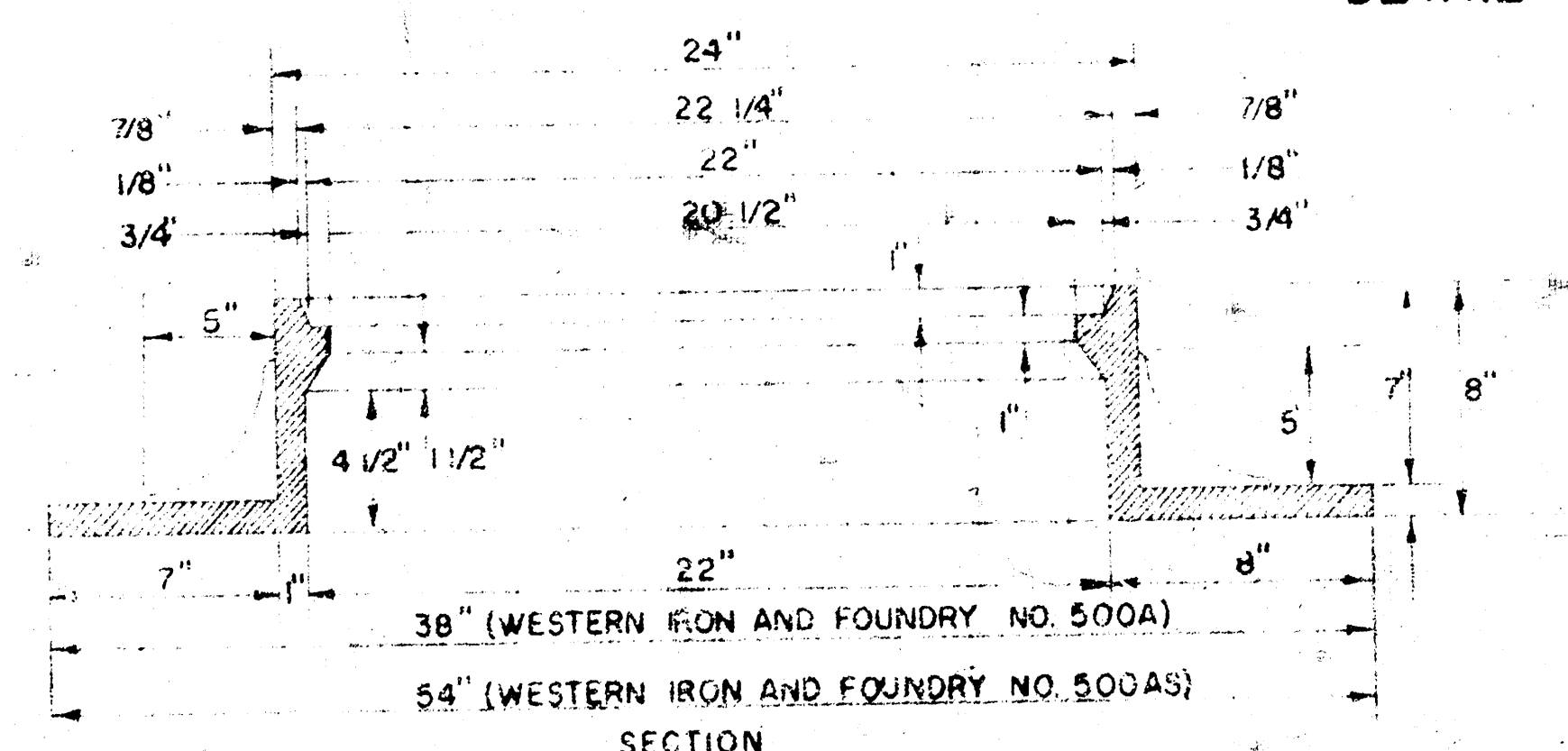
- MORTAR USED IN MASONRY CONSTRUCTION SHALL CONTAIN 8 SACKS OF CEMENT PER CUBIC YARD.
- STANDARD MANHOLES TYPE A OR TYPE B AND STANDARD DROP MANHOLES TYPE A OR TYPE B SHALL BE BID AS STANDARD MANHOLES FOR THE TYPE AND DIAMETER INDICATED.
- OUTSIDE DROP MANHOLES SHALL BE BID AS STANDARD OUTSIDE DROP MANHOLES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

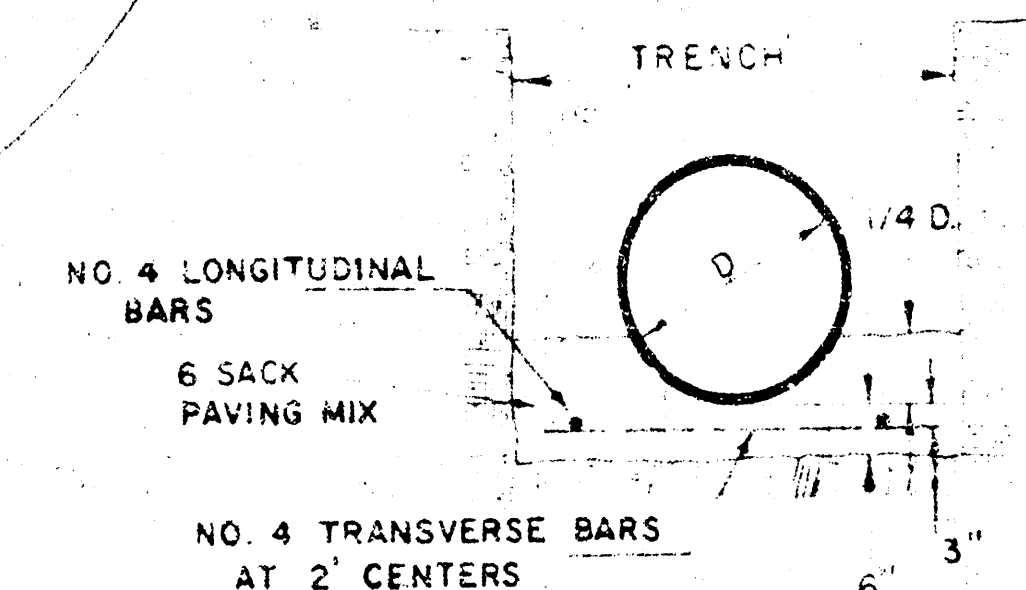


MANHOLE COVER



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