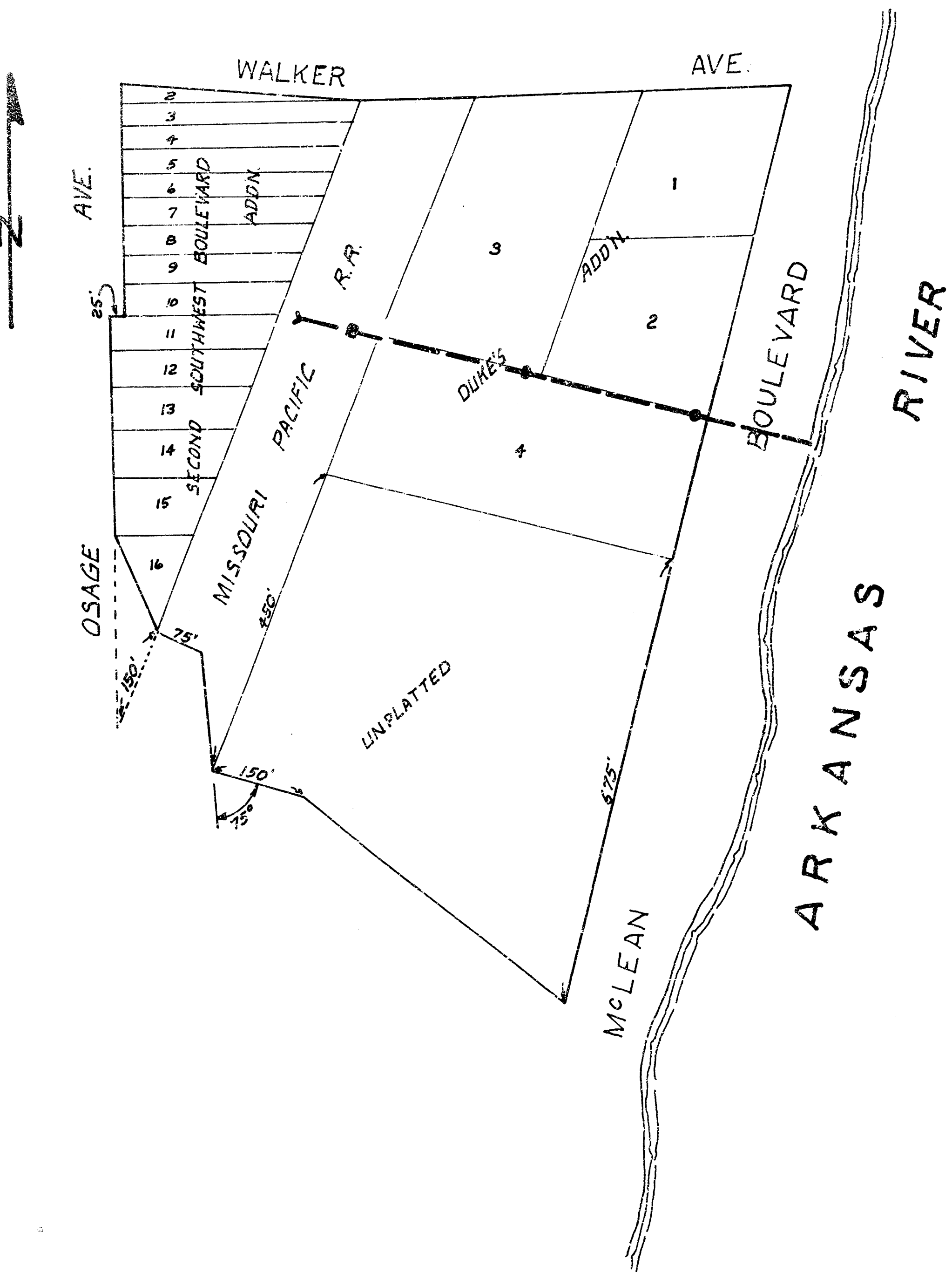


STORM WATER SEWER NO. 107
 CITY OF WICHITA, KANSAS
 R. W. LINN- CITY ENGINEER
 PROJECT NO. DBKA 573081
 DATE:

GENERAL NOTES

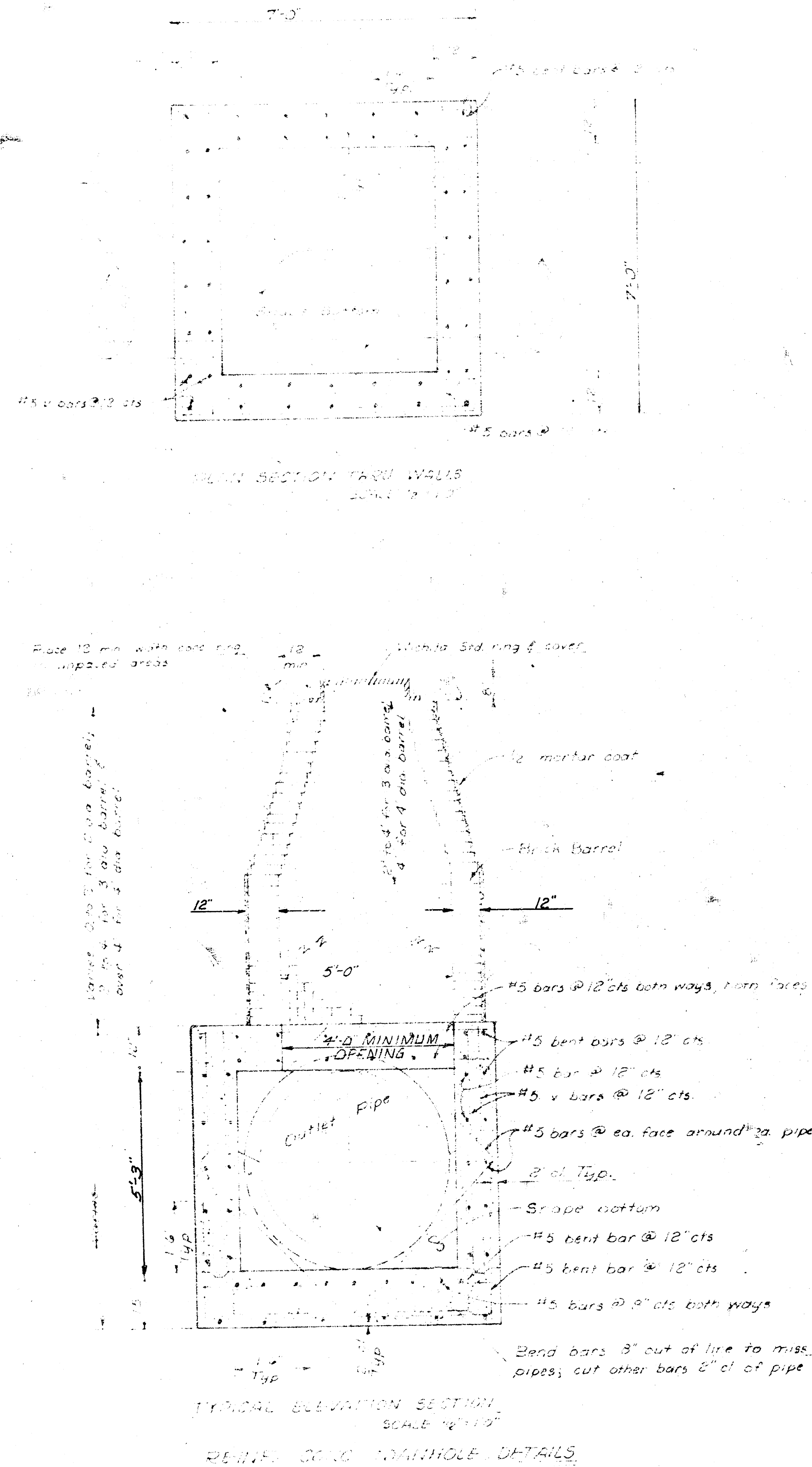
1. PIPE FURNISHED FOR THIS PROJECT SHALL BE EITHER ALL REINFORCED CONCRETE PIPE OR ALL CORRUGATED METAL PIPE. CORRUGATED METAL PIPE SHALL CONFORM TO THE APPLICABLE SECTIONS OF SECTION 1009.05 OF THE 1973 KANSAS STATE HIGHWAY SPECIFICATIONS. CORRUGATED METAL PIPE FURNISHED FOR THIS PROJECT DOES NOT REQUIRE BITUMINOUS COATING. CORRUGATED METAL PIPE HAVING DIAMETERS OF 18 INCHES OR SMALLER SHALL HAVE HELICAL CORRUGATIONS. CORRUGATED METAL PIPE USED ON THIS PROJECT SHALL BE FURNISHED WITH THE "HUGGER" BAND COUPLER AS MANUFACTURED BY ARCO STEEL CORPORATION, OR AN APPROVED EQUAL, FOR CONNECTING SECTIONS OF CORRUGATED METAL PIPE.
2. CONTRACTOR SHALL USE EXCESS EXCAVATED MATERIAL FROM SEWER TRENCH TO FILL AND GRAD DITCH ON SOUTH OF STORM SEWER FROM APPROXIMATELY STA. 4+30 TO 6+45. THIS ITEM OF WORK WILL NOT BE PAID FOR DIRECTLY AND SHALL BE CONSIDERED AS SUBSIDIARY TO THE OTHER ITEMS OF WORK.
3. ALL COSTS OF MATERIALS AND LABOR FOR INSTALLATION OF THE 36" ARCO FLAT BACK FLAP GATE (MODEL 20-C) WITH TYPE "F" TRIMBLE, OR APPROVED EQUAL, SHALL BE INCLUDED IN THE BID PRICE FOR THE REINFORCED CONCRETE MANHOLE.



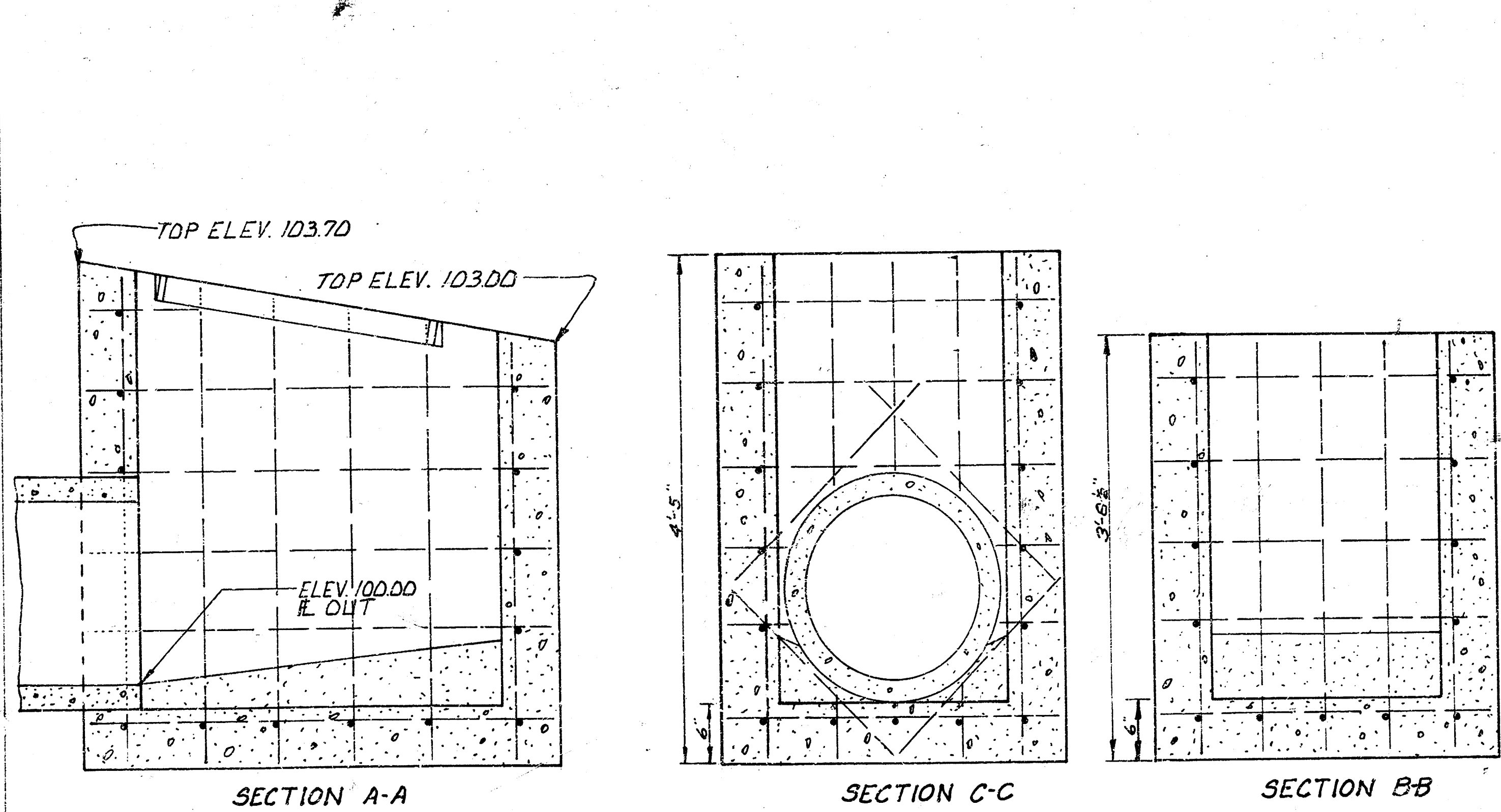
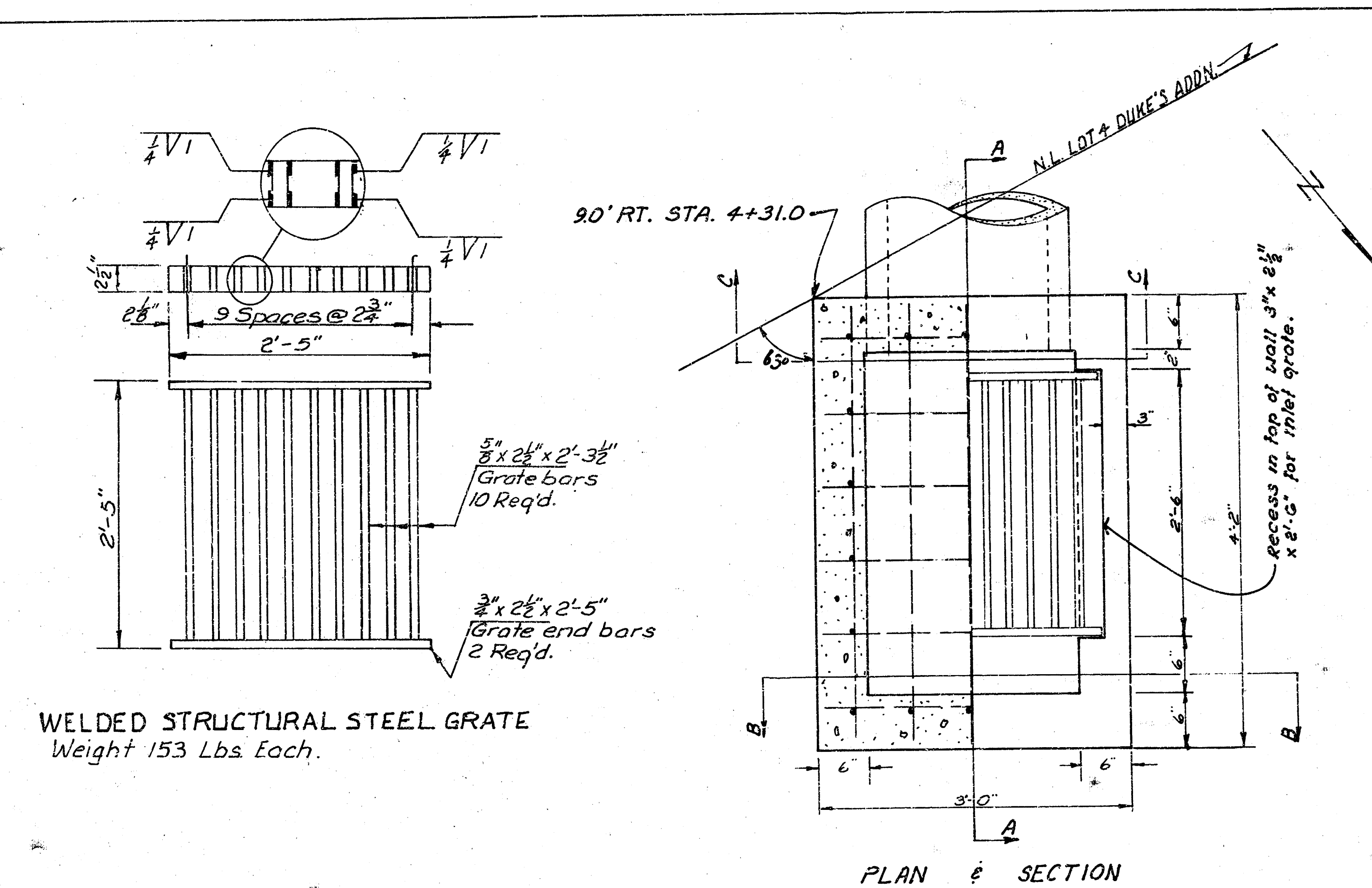
As Built 12-19-75



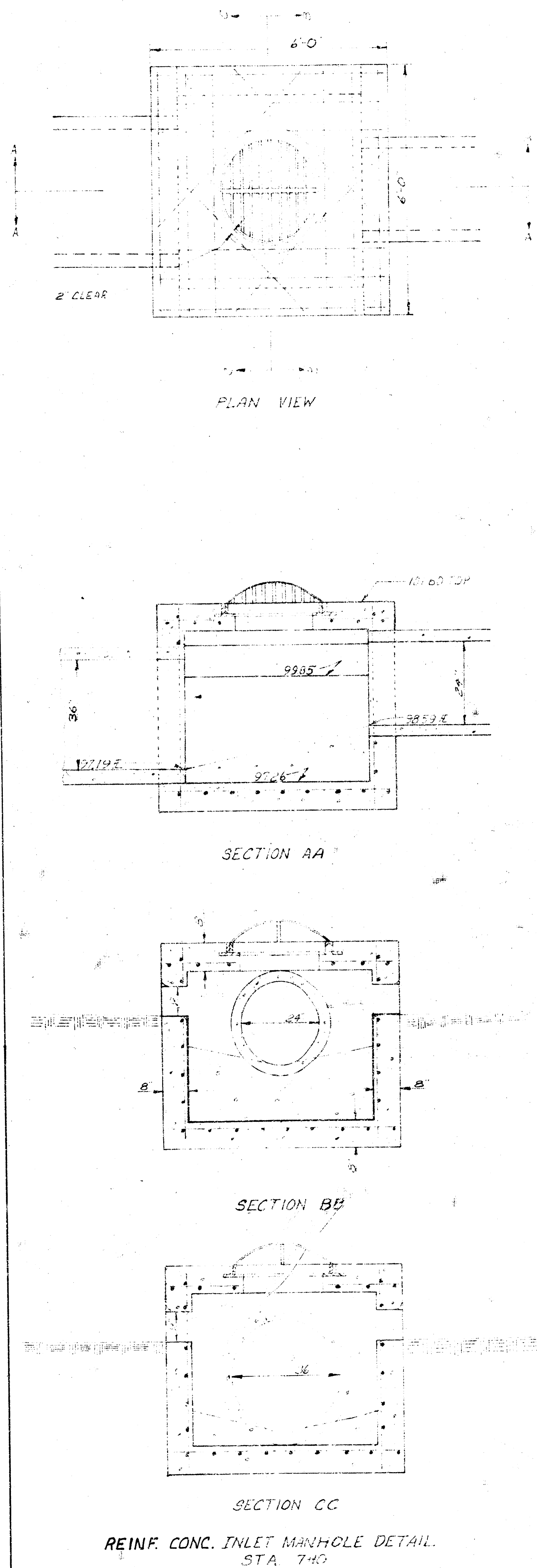
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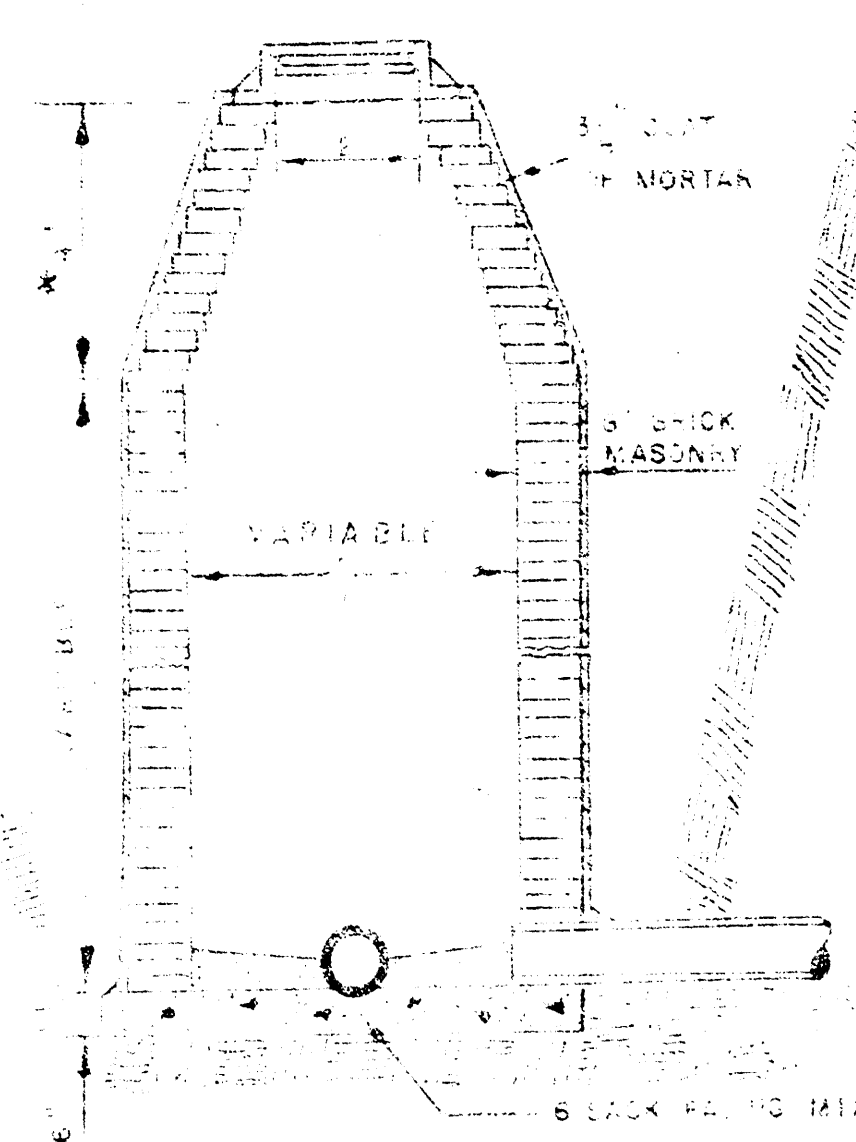


- GENERAL NOTES**
1. ALL COSTS OF MATERIALS & LABOR FOR CONSTRUCTION OF REINF. CONC. INLET MANHOLE SHALL BE INCLUDED IN THE BID PRICE FOR REINF. CONC. INLET MANHOLE.
 2. REINFORCED CONCRETE INLET MANHOLE SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE FOLLOWING NOTES.
 3. THE INLET MANHOLE SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE FOLLOWING NOTES.
 4. THE INLET MANHOLE SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE FOLLOWING NOTES.
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 7. THE INLET MANHOLE SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE FOLLOWING NOTES.
 8. THE INLET MANHOLE SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE FOLLOWING NOTES.
 9. THE INLET MANHOLE SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE FOLLOWING NOTES.
 10. ALL COSTS OF MATERIALS & LABOR FOR CONSTRUCTION OF REINF. CONC. INLET SHALL BE INCLUDED IN THE BID PRICE FOR REINF. CONC. INLET.
 11. REINF. STEEL IN FLOOR & WALLS OF REINF. CONC. INLET SHALL BE SPACED AT 8\"/>
 - 12. THE FLOOR OF THE REINF. CONC. INLET SHALL BE SHAPED TO CONFORM TO THE SECTIONS AS SHOWN WITH 8 SACK SAND MIX.
 - 13. WALLS AND FLOOR OF REINF. CONC. INLET SHALL BE 6\"/>

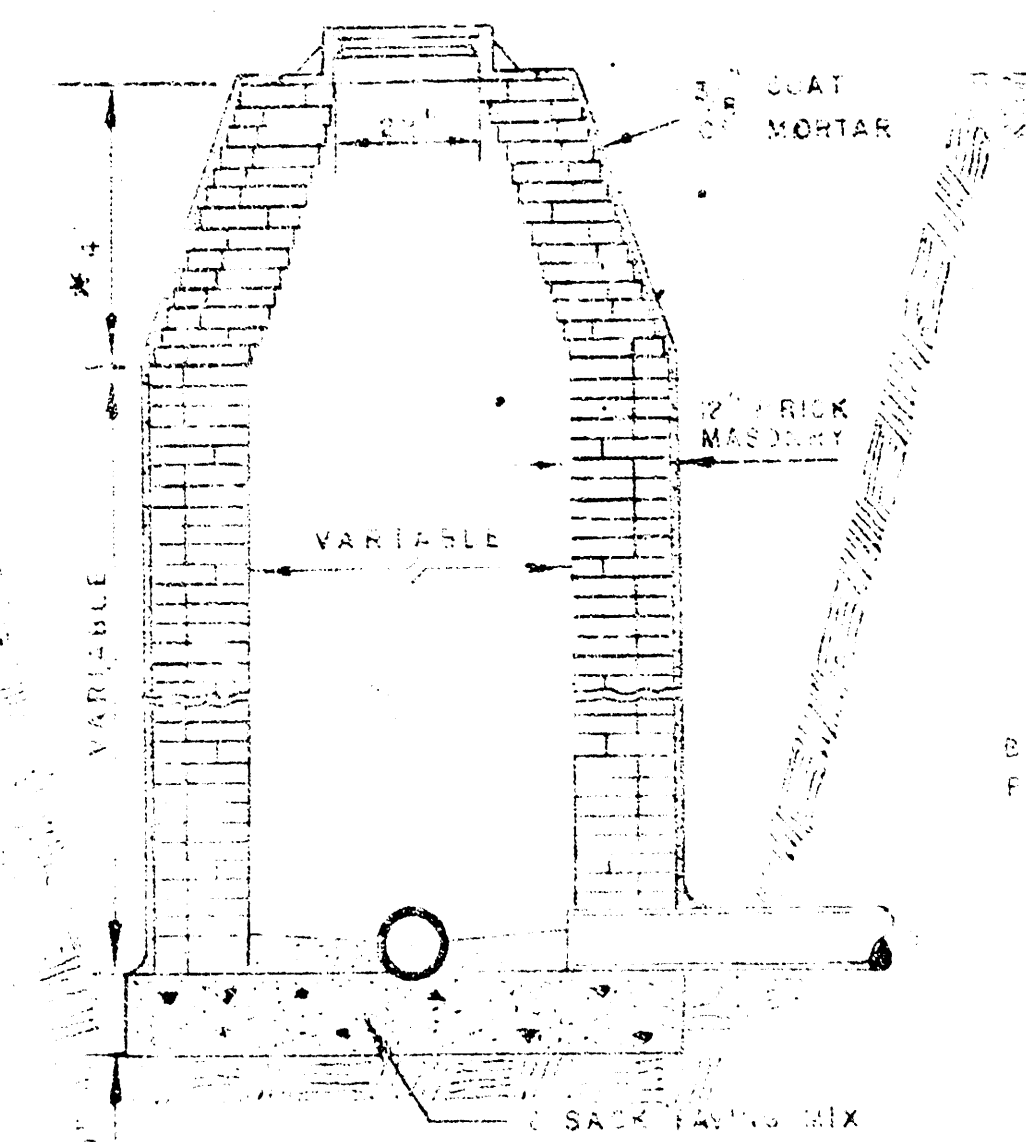


REINF. CONC. INLET DETAIL
9.0' RT. STA. 4+31

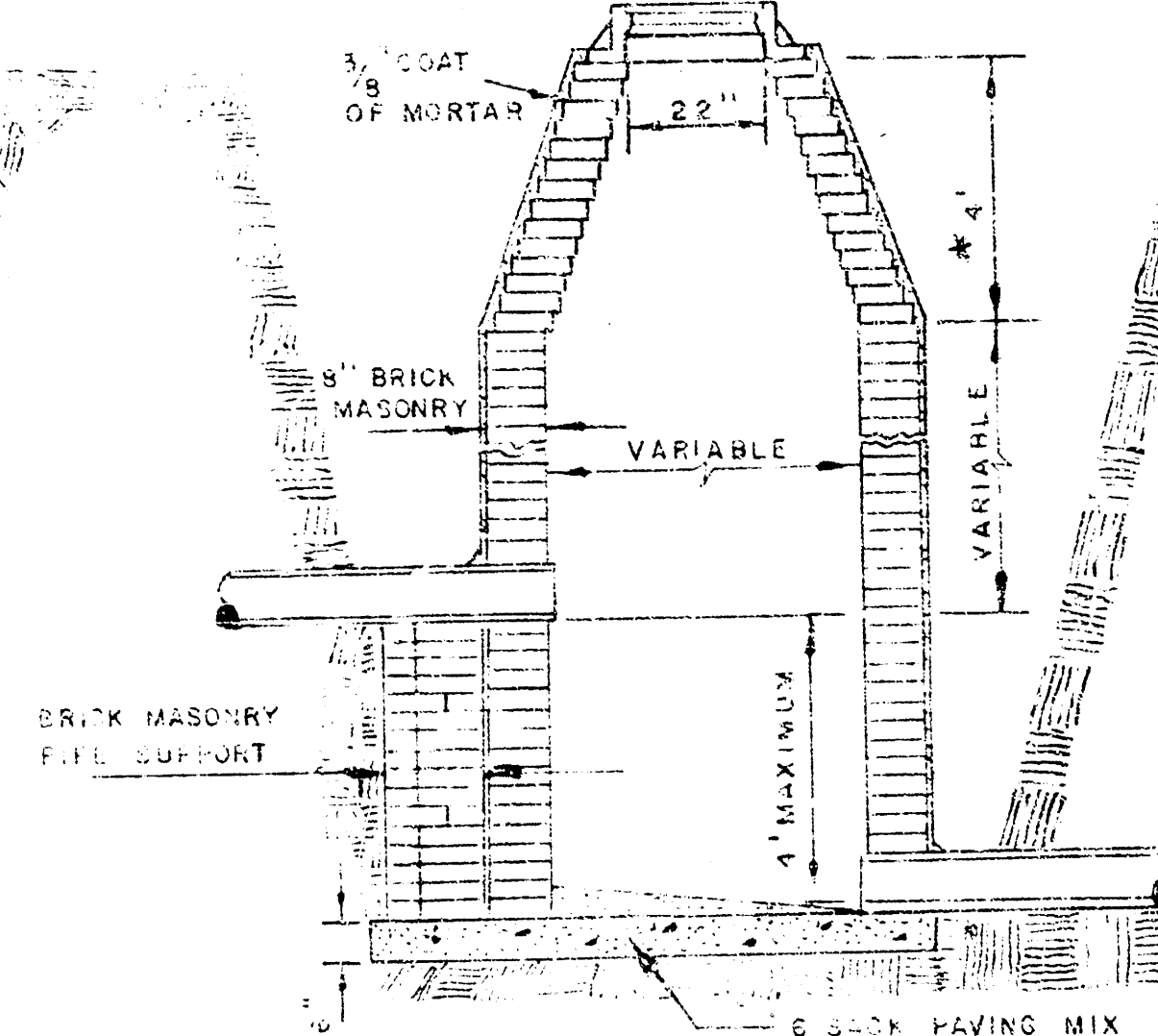




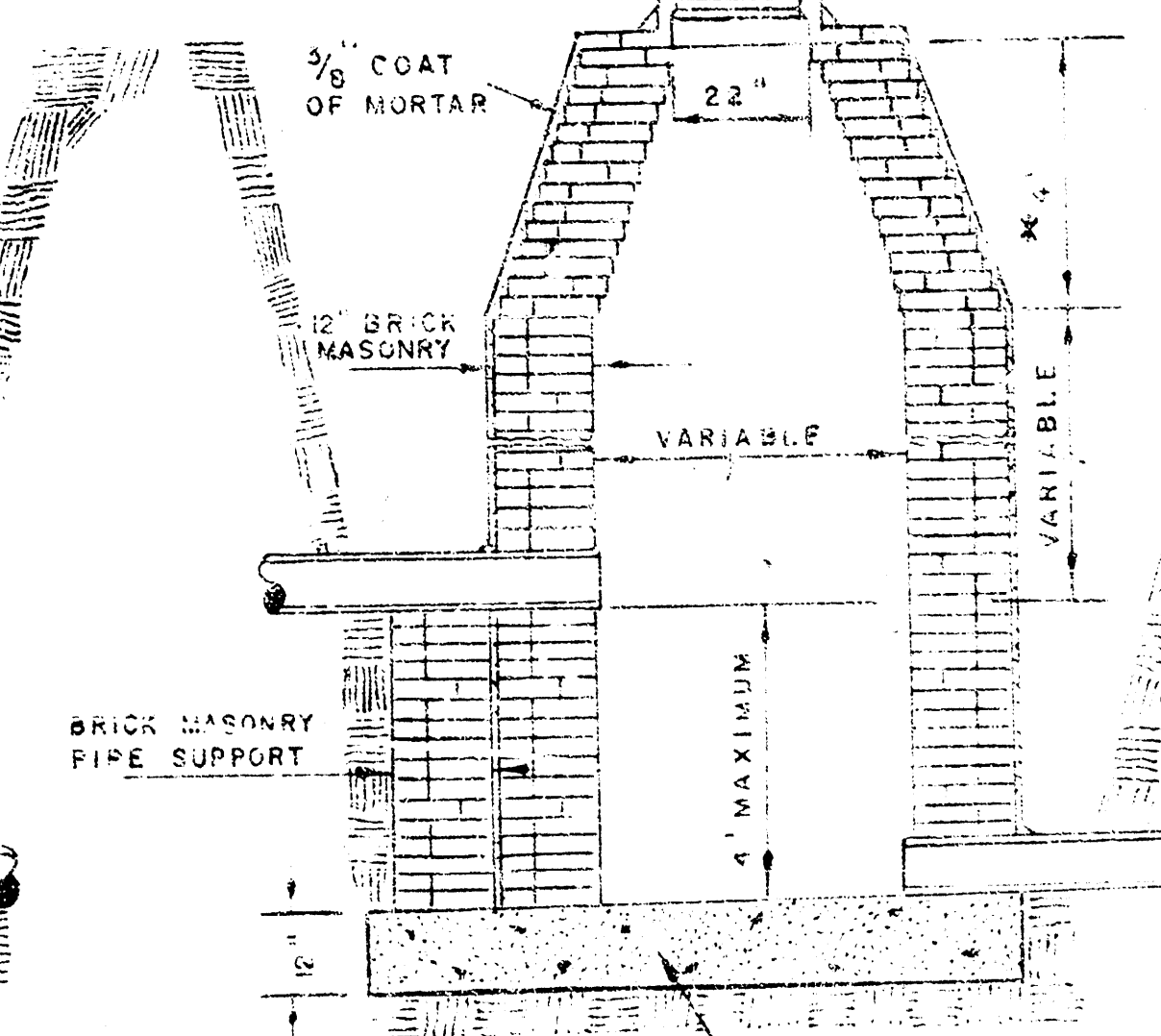
STANDARD MANHOLE
TYPE "A"



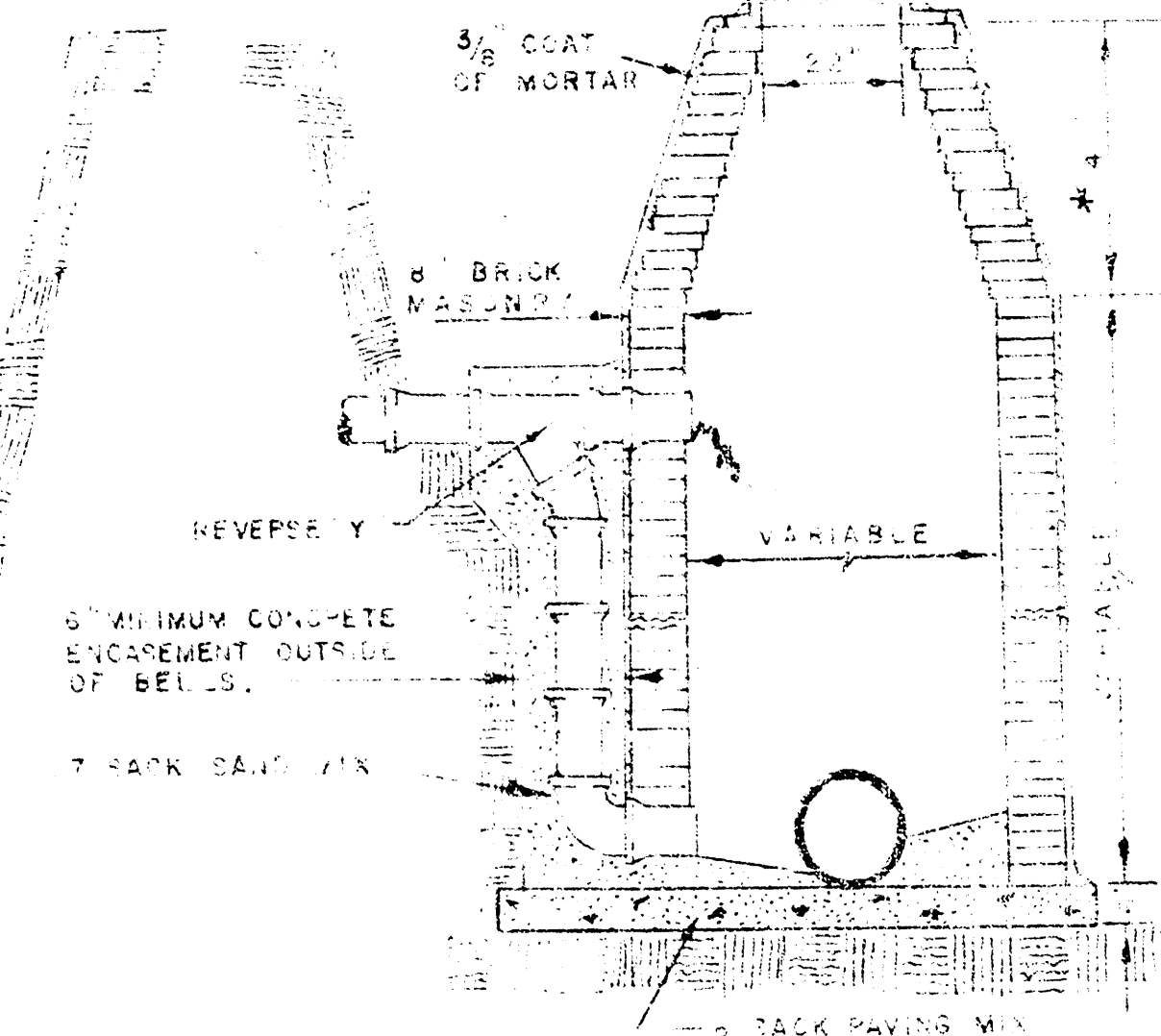
STANDARD MANHOLE
TYPE "B"



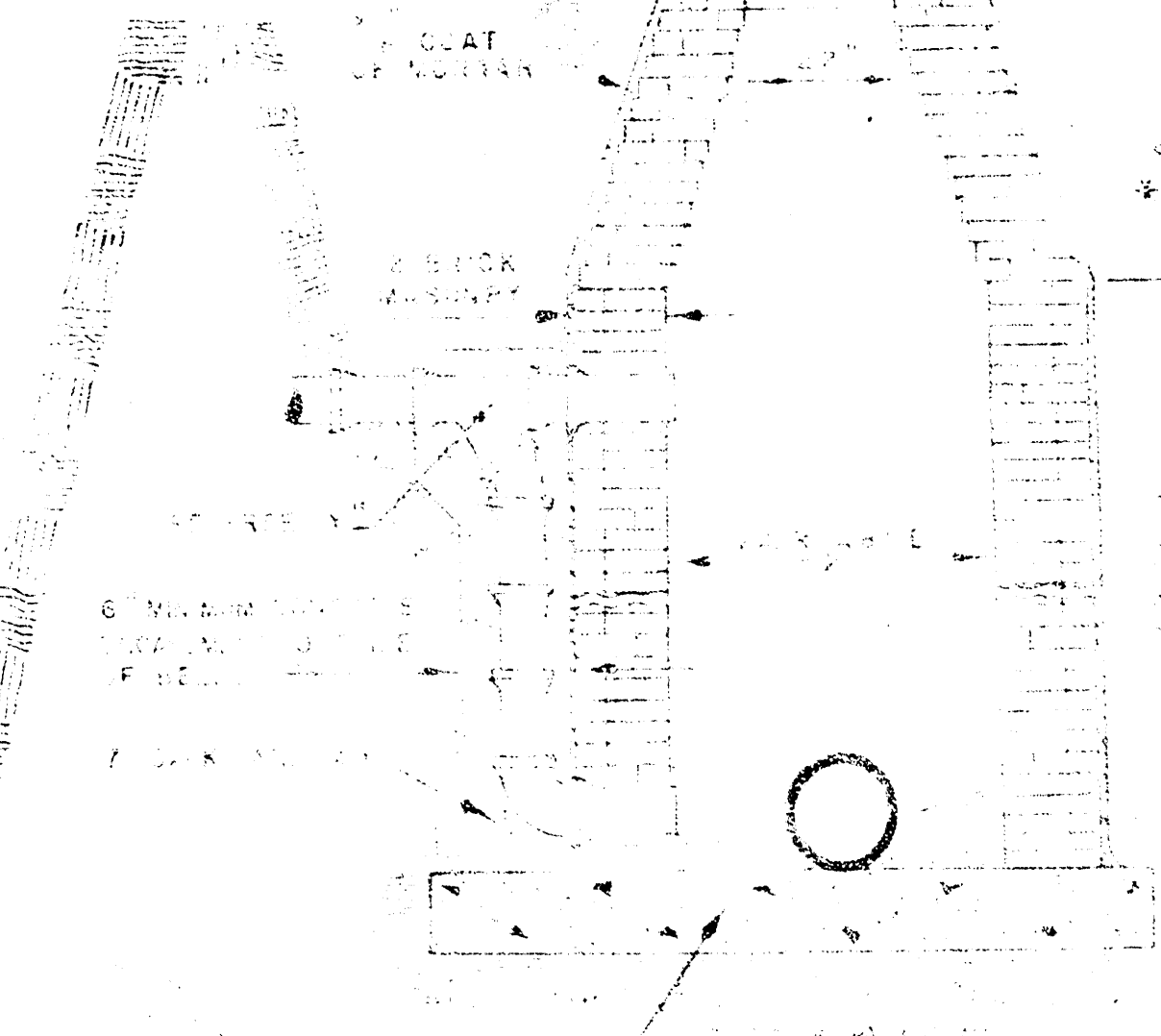
DROP MANHOLE
TYPE "A"



DROP MANHOLE
TYPE "B"

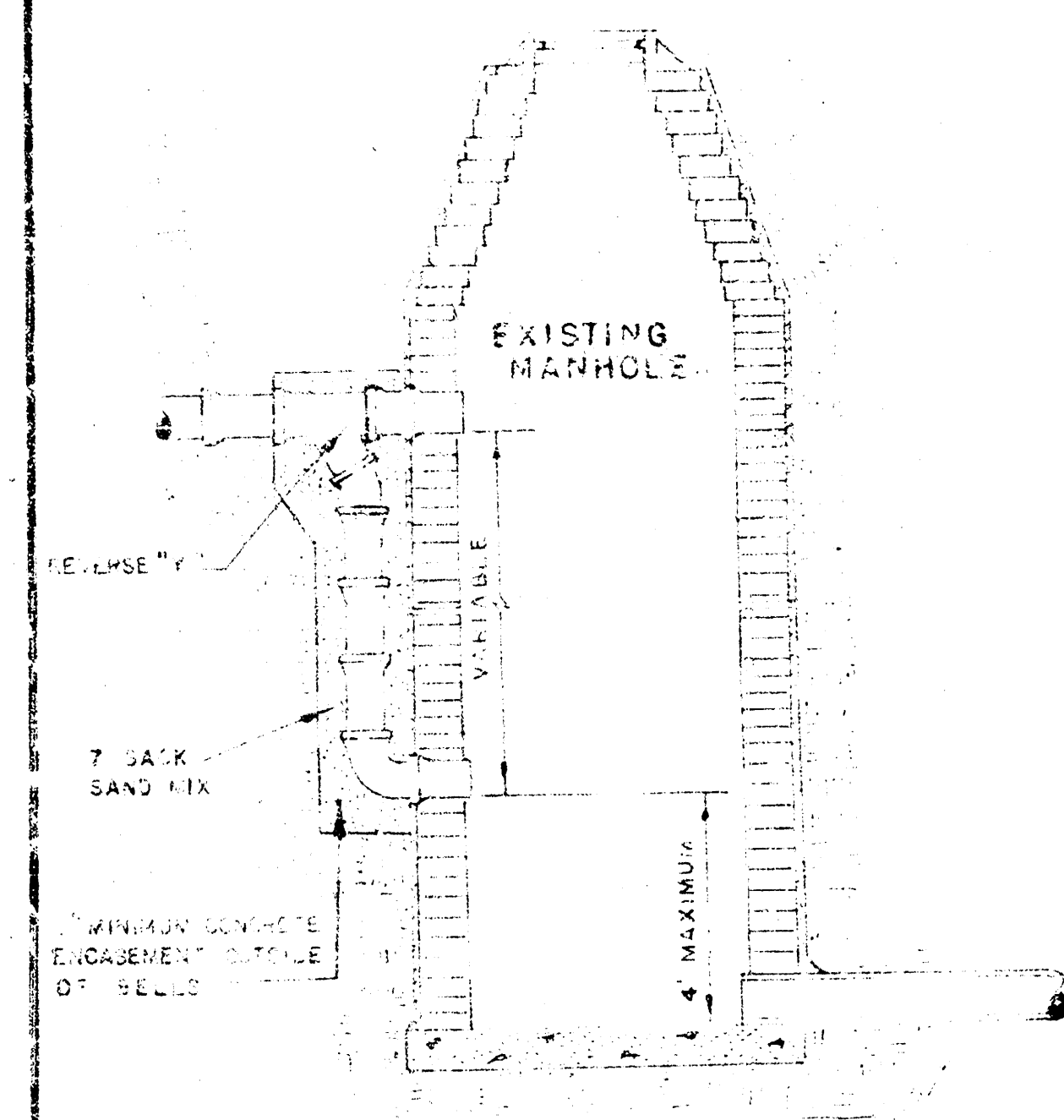


OUTSIDE DROP MANHOLE
TYPE "A"

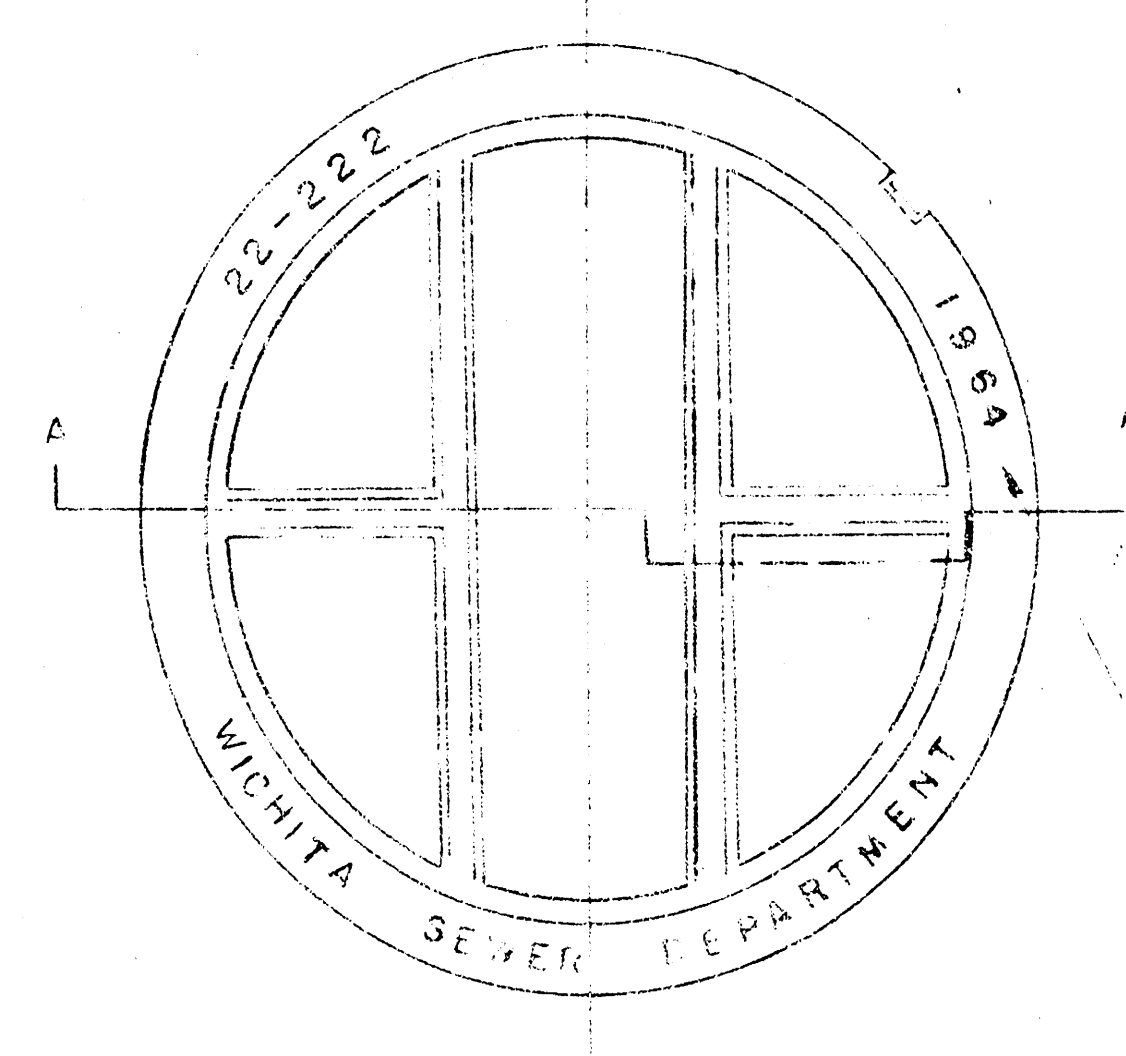


OUTSIDE DROP MANHOLE
TYPE "B"

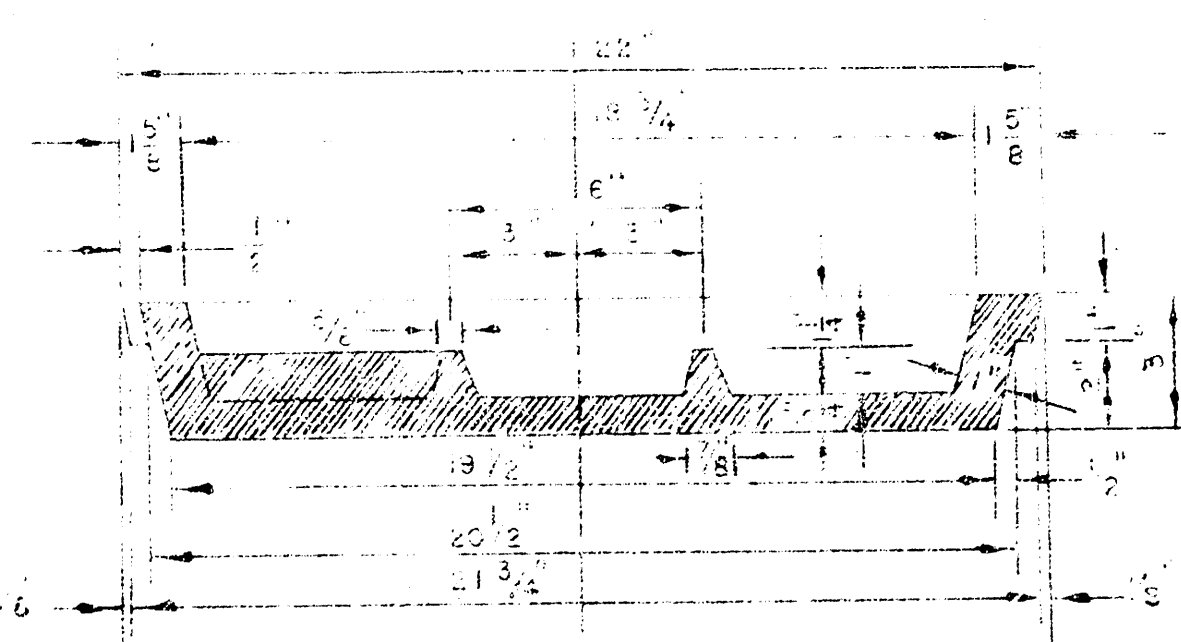
* DRAW = 6' ON 5' DIA. M.H.



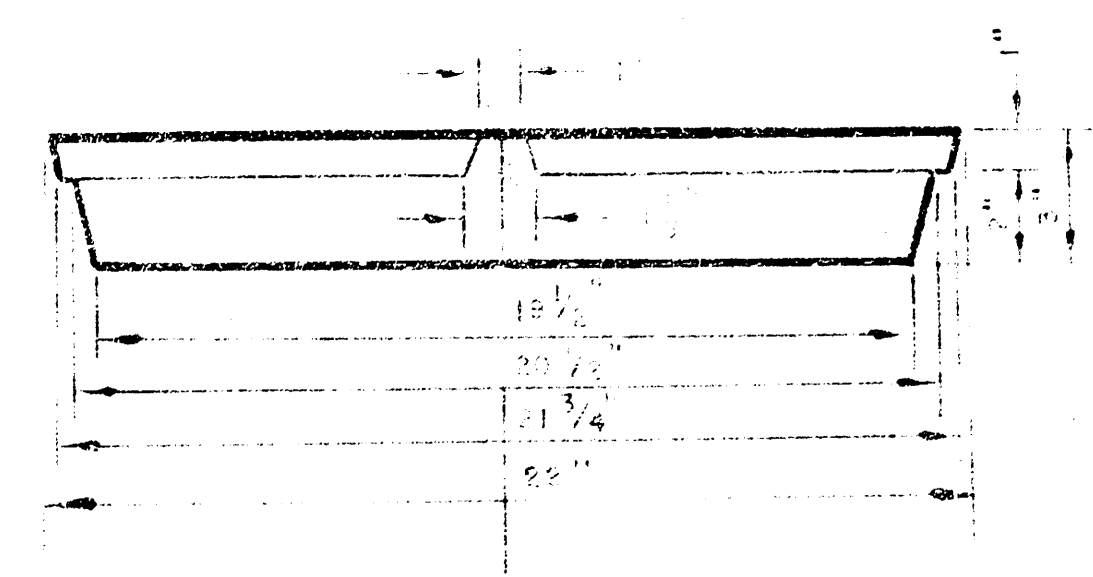
DETAIL OF DROP STACK
FOR EXISTING MANHOLES IN GROUND WATER



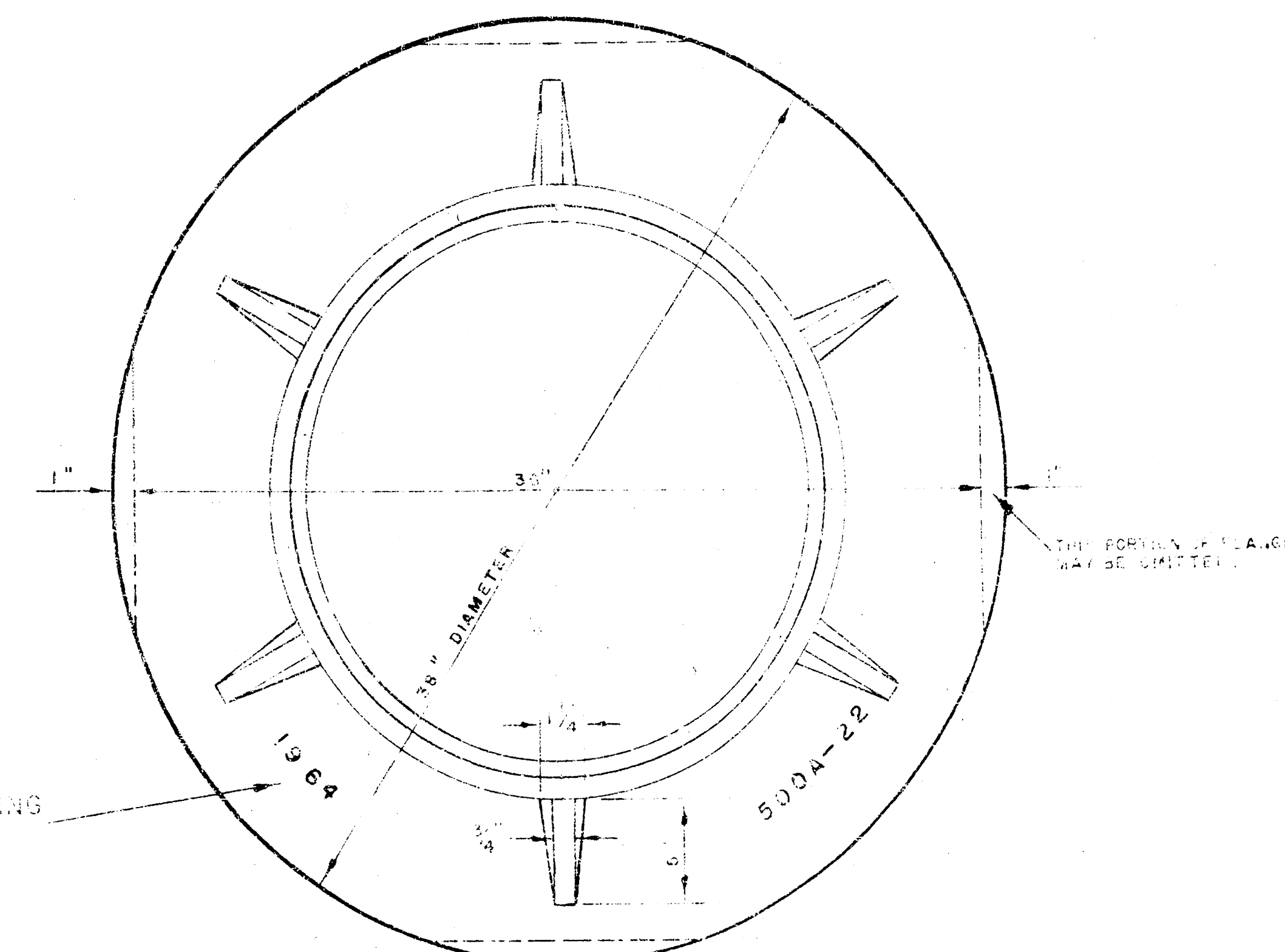
MANHOLE COVER
WEIGHT 115 LBS.



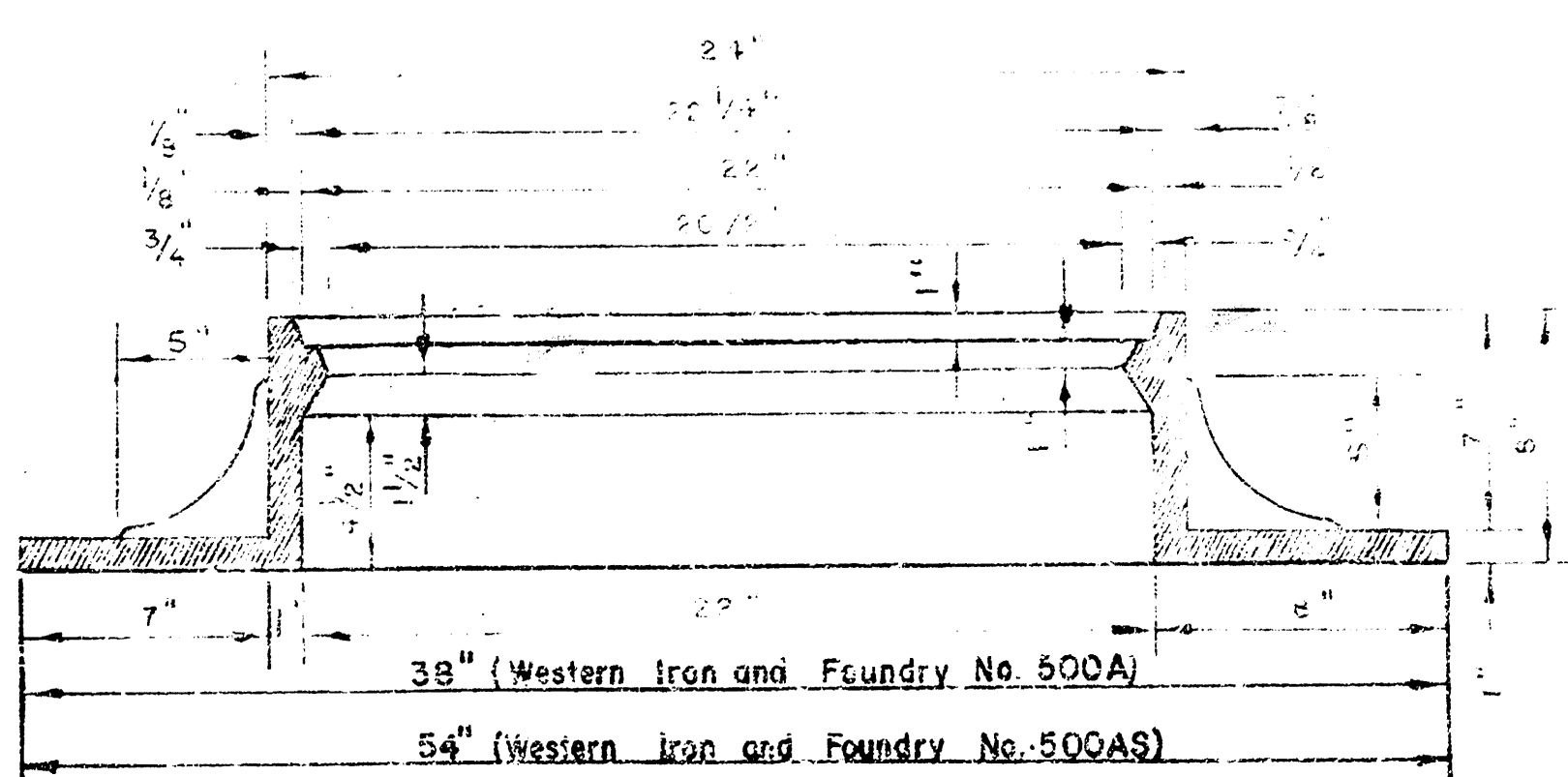
MANHOLE COVER



MANHOLE COVER

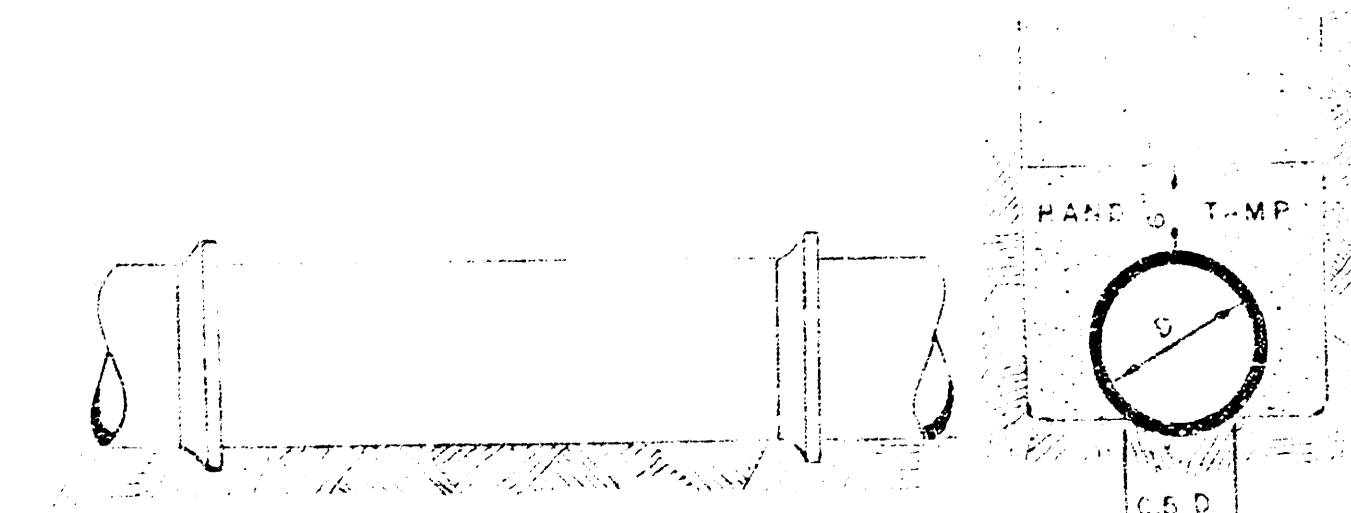


MANHOLE RING
WEIGHT 355 LBS.

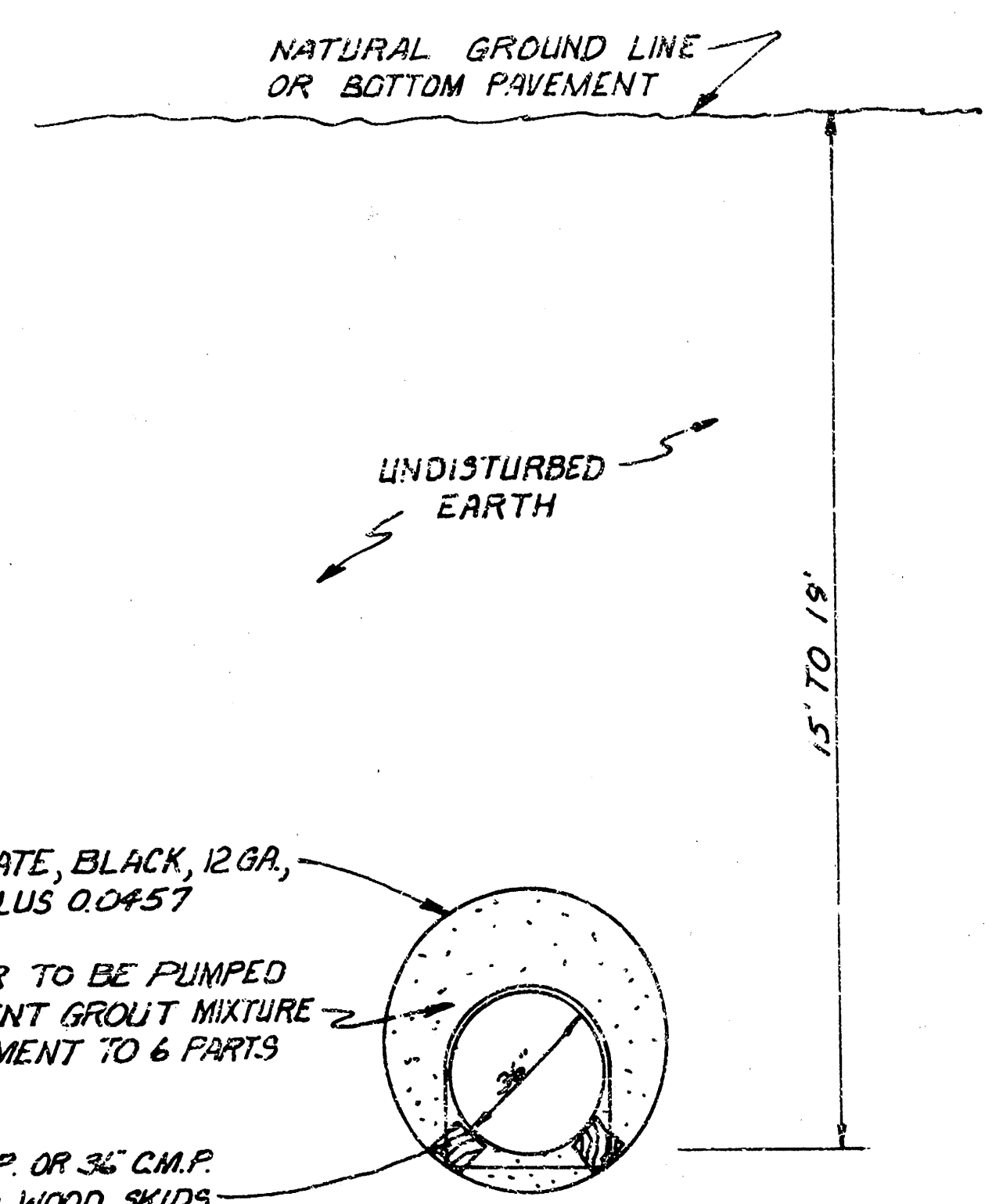


MANHOLE RING

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



ORDINARY BEDDING METHOD
FOR REINFORCED CONCRETE PIPE



54" LINER PLATE, BLACK, 12 GA,
SECTION MODULUS 0.0457

TUNNEL LINER TO BE PUMPED
FULL OF CEMENT GROUT MIXTURE
OF 1 PART CEMENT TO 6 PARTS
SAND.

STRAP 3/4" R.C.P. OR 3/4" C.M.P.
TO CROSSED WOOD SKIDS.

TYPICAL SECTION

TUNNEL LINER AT M^{LE} LEAN BLVD. CROSSING
STA. 0+90 TO STA. 1+90

1. ALL COSTS OF LABOR & MATERIALS FOR INSTALLING 54" LINER PLATE, BLACK, 12 GA, SECTION MODULUS 0.0457 SHALL BE INCLUDED IN THE BID PRICE OF LIN. FT. 54" TUNNEL LINER.
2. ALL COSTS OF LABOR & MATERIALS FOR PUMPING 54" TUNNEL LINER FULL OF GROUT SHALL BE INCLUDED IN THE BID PRICE OF LIN. FT. 54" TUNNEL LINER.
3. 3/4" R.C.P. OR 3/4" C.M.P. PLACED IN 54" TUNNEL LINER SHALL BE PAID BY THE LIN. FT. OF 3/4" R.C.P. OR 3/4" C.M.P.

MANHOLES

THE CONCRETE USED FOR MORTAR IN
MANHOLES SHALL CONTAIN 6 BAGS OF
PORTLAND CEMENT PER CUBIC YARD.
STANDARD MANHOLES AND DROP
MANHOLES, RESHAPED, OF DIAMETER
SHALL BE BID AT ONE PRICE AS
STANDARD MANHOLES.

SINGLE OR DOUBLE OUTSIDE
DROP MANHOLES SHALL BE BIDDING AT ONE
PRICE AS OUTSIDE DROP MANHOLES.

ALL MANHOLES WITH PIPES 24" AND
LARGER SHALL BE 24" DIA. UNLESS
OTHERWISE SPECIFIED ON PLAN. ALL MANHOLES
WITH PIPES 24" & SMALLER SHALL BE 4' DIA.

DETAILS OF
SEWER APPURTENANCES
ADOPTED AS STANDARD DESIGN
BY
ENGINEERING DIVISION
CITY OF WICHITA, KANSAS
R. W. LINN CITY ENGINEER

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