

ALTERATION, REPAIR, RECONSTRUCTION OR
CONSTRUCTION OF A SUPPLEMENTAL SEWER TO
SANITARY SEWER NO. 20

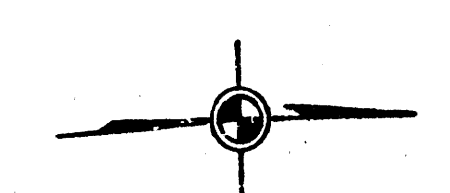
ALONG THE WEST BANK OF THE WICHITA DRAINAGE CANAL

FIRST ST. TO 12TH ST.

CITY OF WICHITA, KANSAS

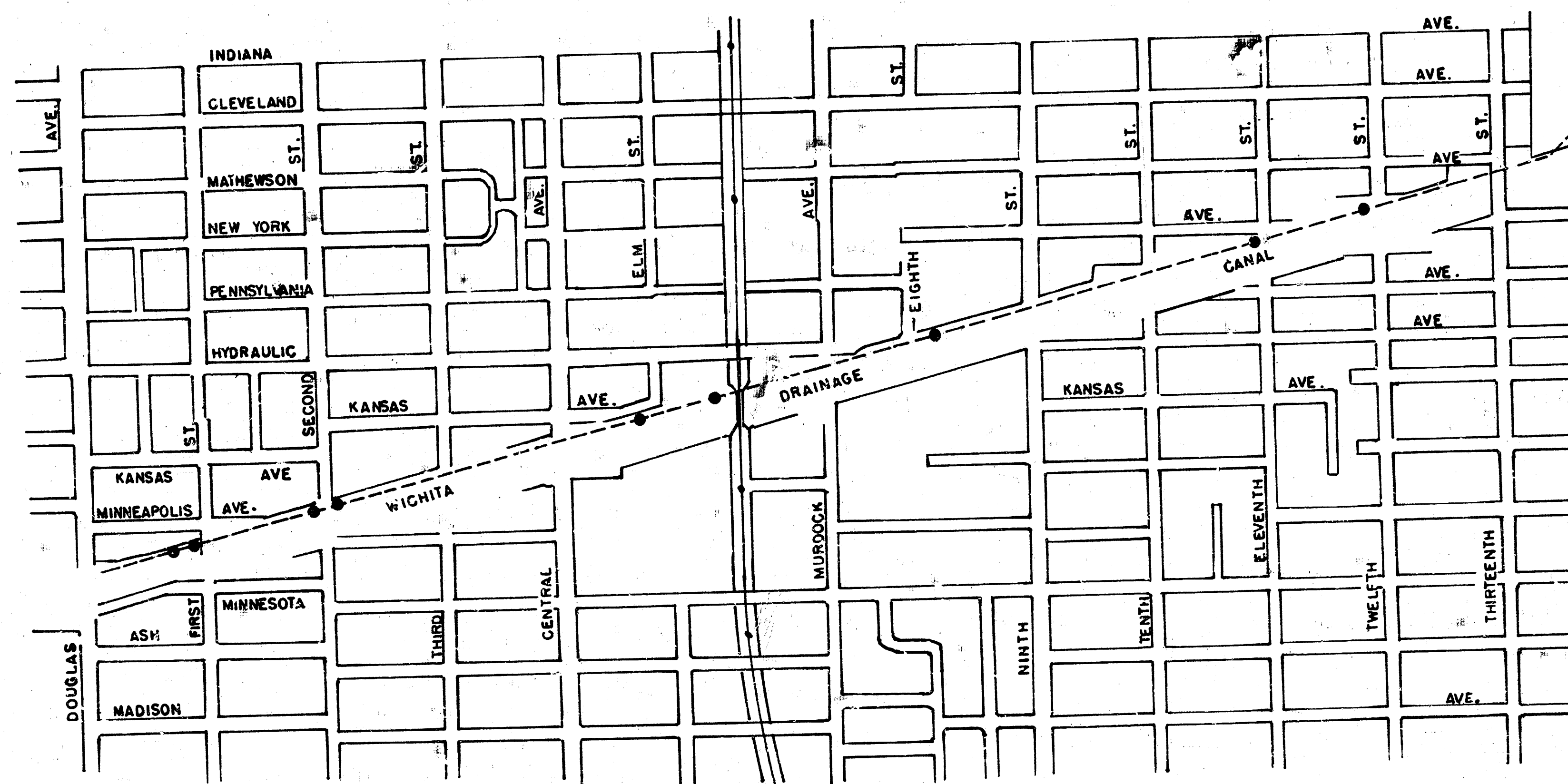
R. W. LINN — CITY ENGINEER

Aug. 1974, PROJECT NO. DBKL 57 40 69



GENERAL NOTE

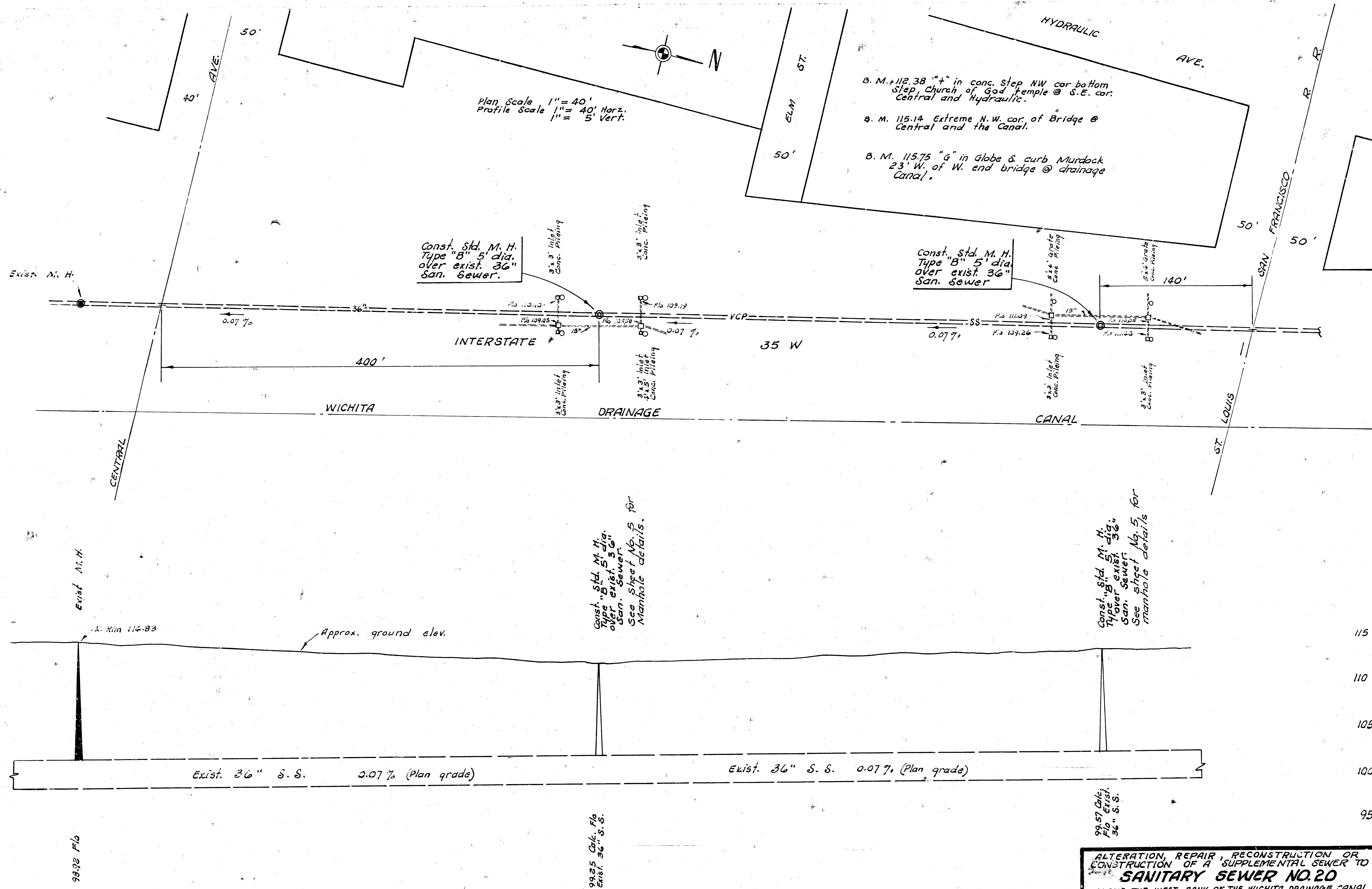
SAND FILL AND/OR FLUSHING WILL NOT BE PAID FOR SEPARATELY AND THE COST FOR THIS WORK SHALL BE INCLUDED IN THE PRICE BID FOR MANHOLE CONSTRUCTION OR RECONSTRUCTION. SIDEWALK SHALL BE REMOVED AND REPLACED TO THE NEAREST JOINT WHERE NECESSARY. THE 36" SANITARY SEWER ON WHICH MANHOLES ARE TO BE CONSTRUCTED OR RECONSTRUCTED FLOWS UNDER PRESSURE AT CERTAIN TIMES OF THE DAY AND THE CONTRACTOR MUST USE CAUTION WHEN COMPLETING THE WORK UNDER THIS CONTRACT.



C-238
0-12/5

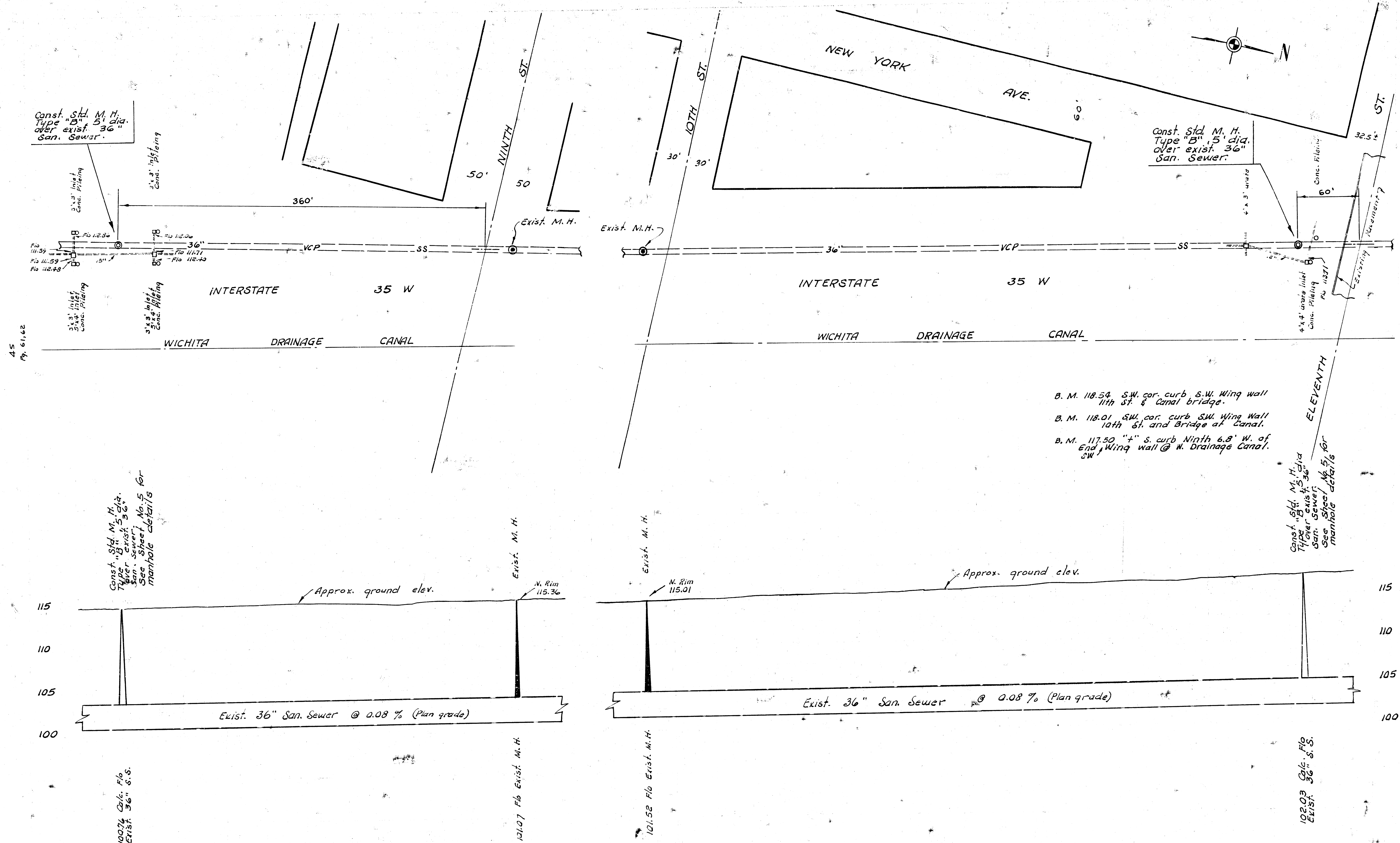
J. A. K.
J. H. W.

45
p. 64



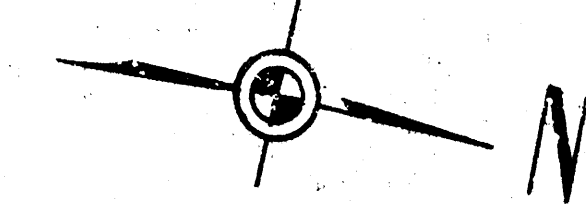
ALTERATION, REPAIR, RECONSTRUCTION OR
CONSTRUCTION OF A SUPPLEMENTAL SEWER TO
SANITARY SEWER NO. 20
ALONG THE WEST BANK OF THE WICHITA DRAINAGE CANAL
FIRST ST. TO 12TH ST.
CITY OF WICHITA, KANSAS
R. W. LINN - CITY ENGINEER
AUG. 1974 PROJECT NO. DBKL574069

FILMED FROM THE BEST
AVAILABLE COPY

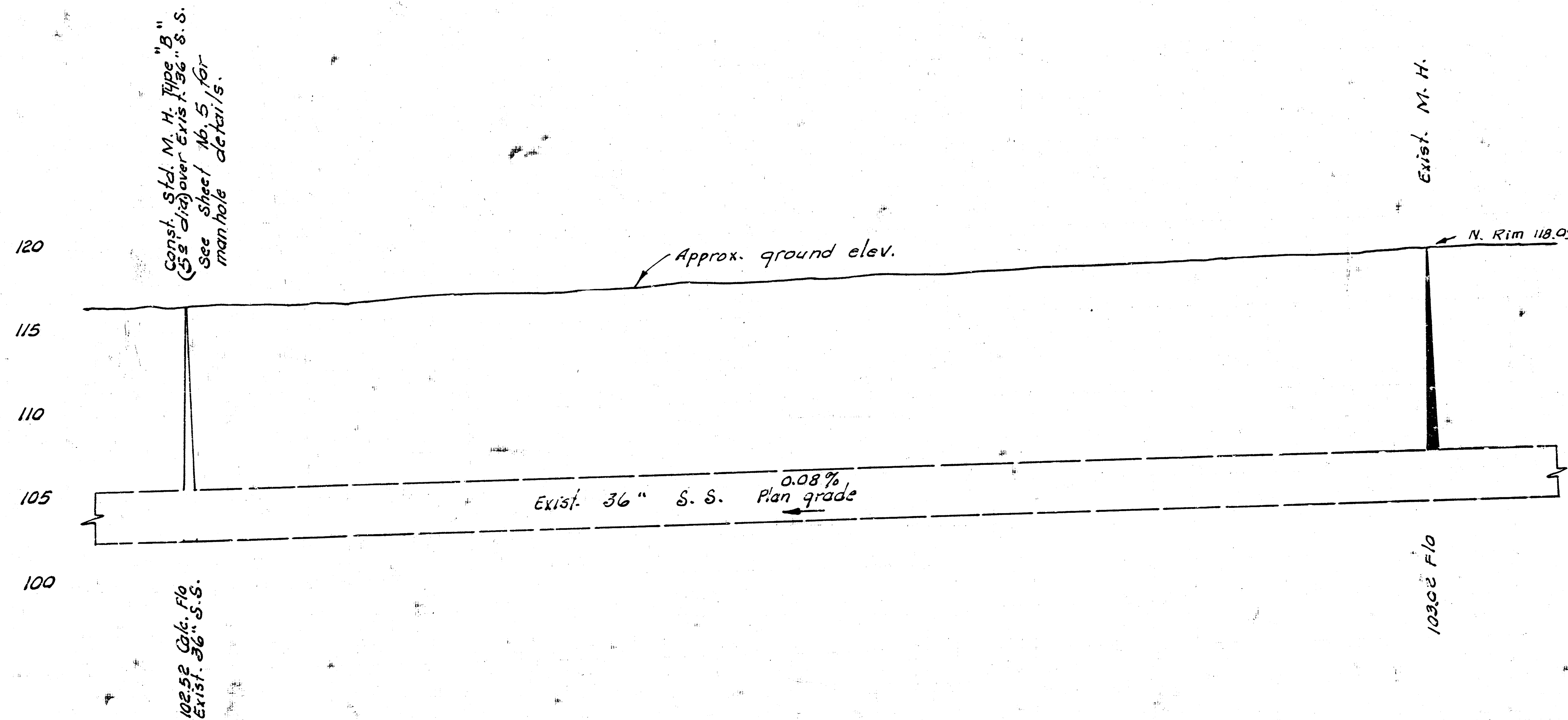
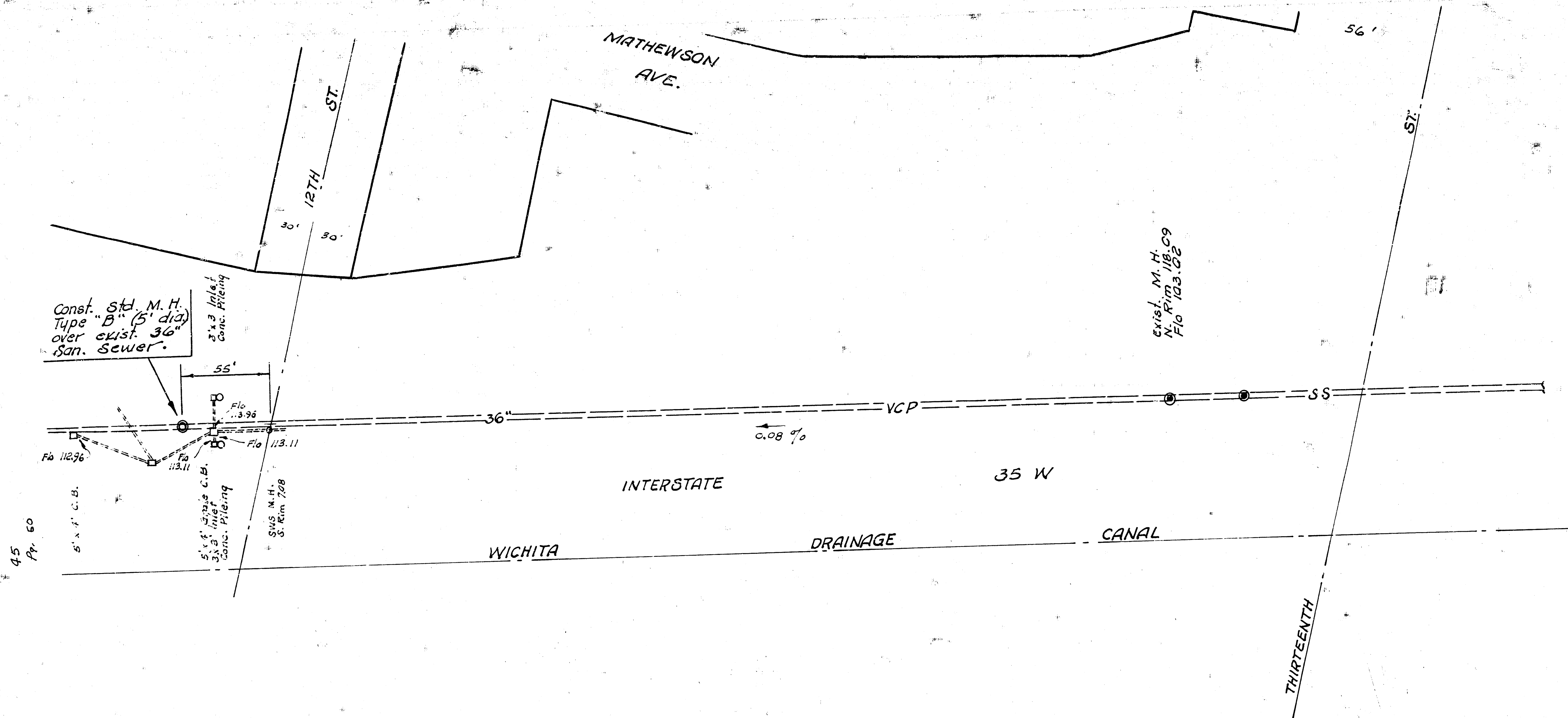


ALTERATION, REPAIR, RECONSTRUCTION OR
CONSTRUCTION OF A SUPPLEMENTAL SEWERTO
SAN. SEWER NO. 20
PROJECT NO. DBKL574069 3/7

FILMED FROM THE BEST
AVAILABLE COPY



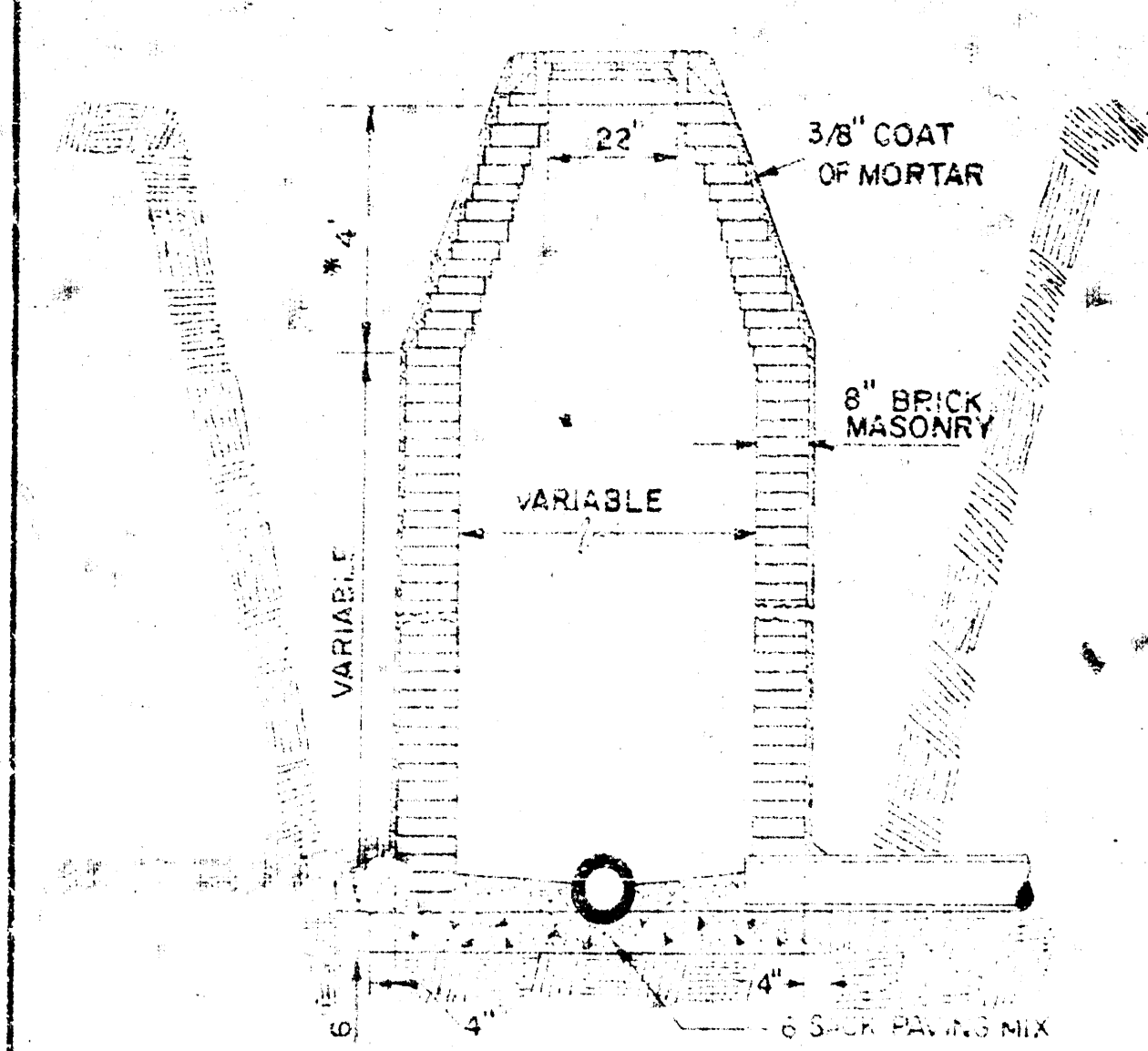
B. M. 119.79 S.W. cor SW-Wing Wall
13th & Canal Bridge.



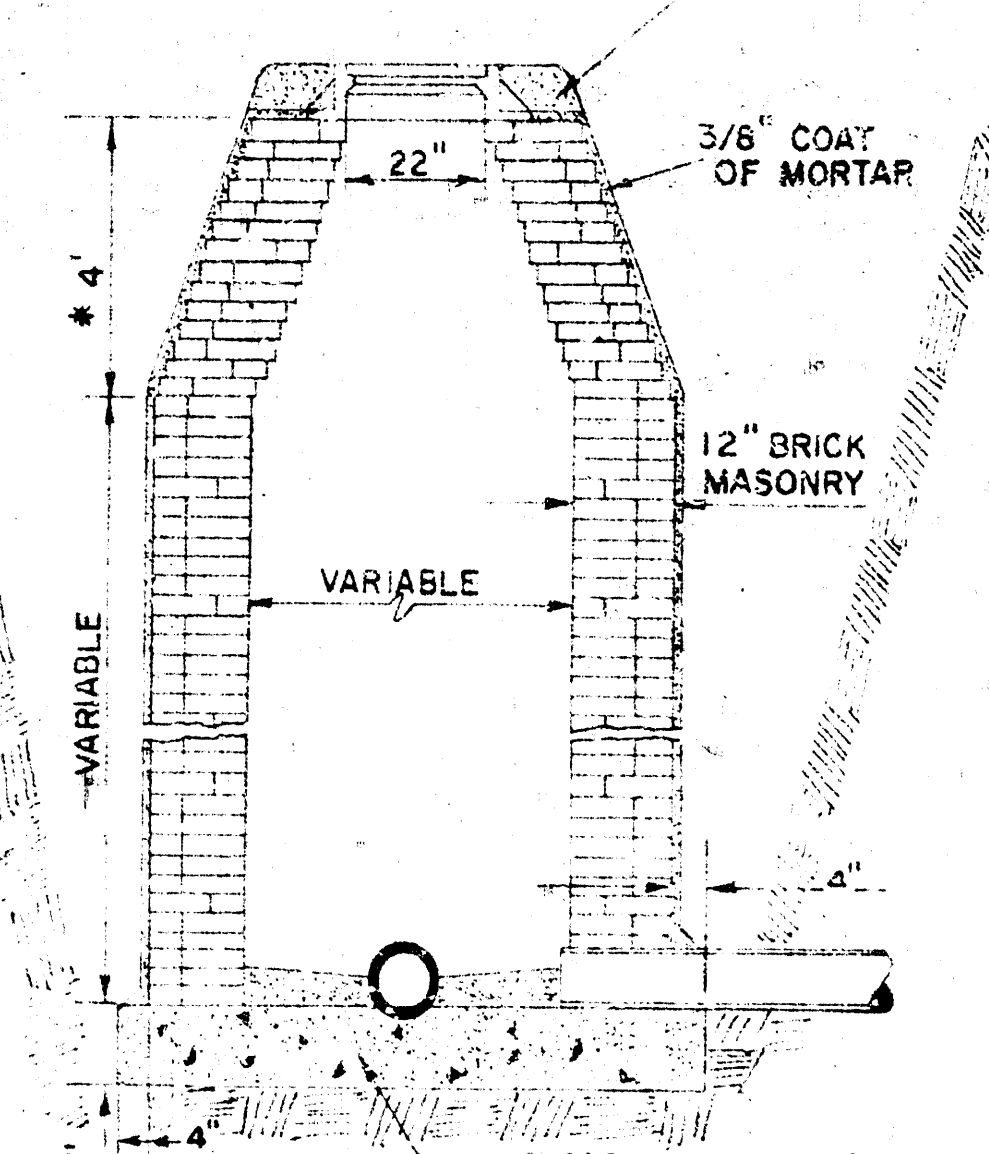
ALTERATION, REPAIR, RECONSTRUCTION OR
CONSTRUCTION OF A SUPPLEMENTAL SEWER TO
SAN. SEWER NO. 27
PROJECT NO DBKLS740 69

FILMED FROM THE BEST
AVAILABLE COPY.....

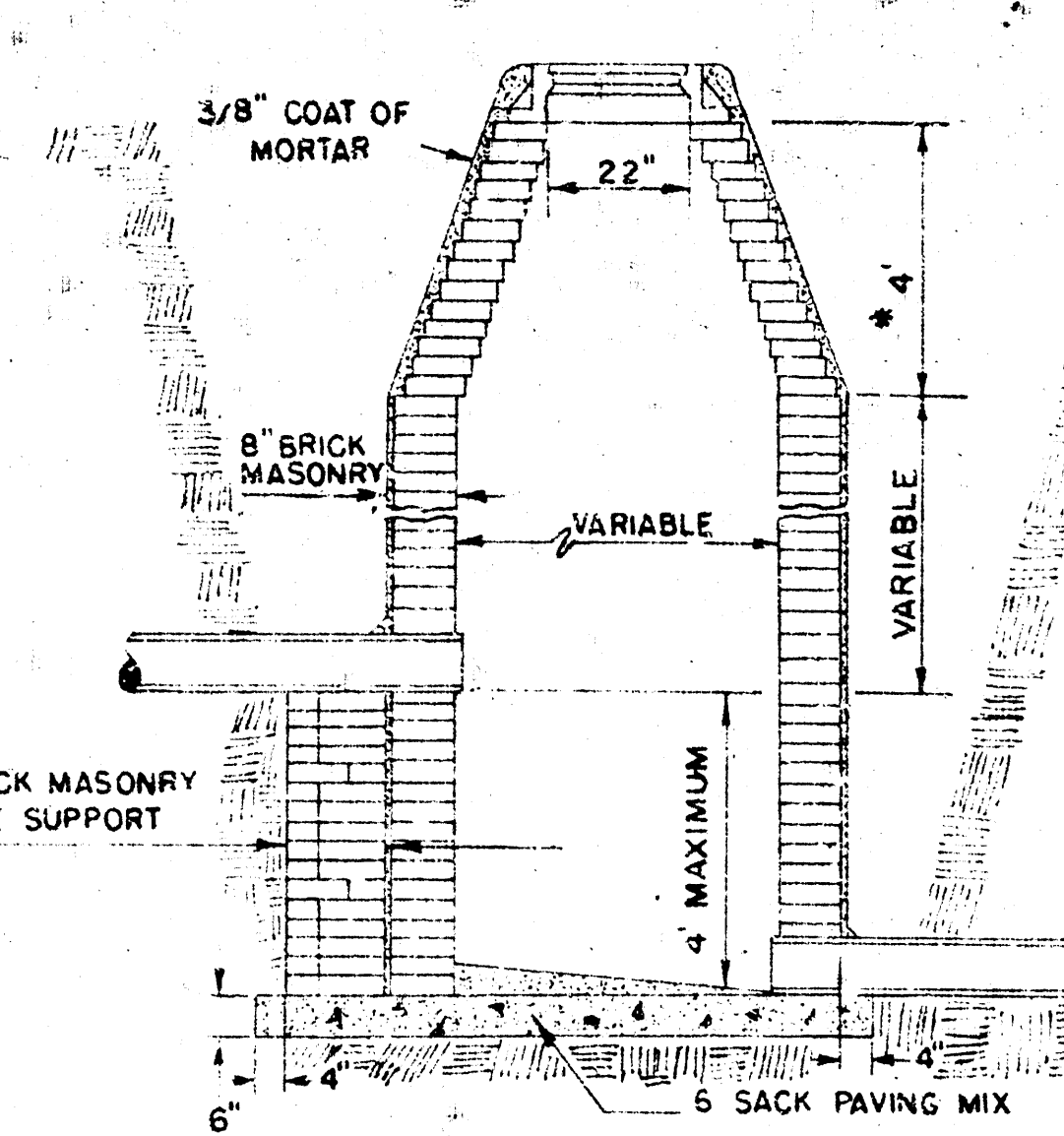
GROUT TO BE PLACED AROUND MANHOLE RING ONLY WHEN MANHOLE IS CONSTRUCTED IN UNPAVED AREAS. (TYPICAL ALL MANHOLES)



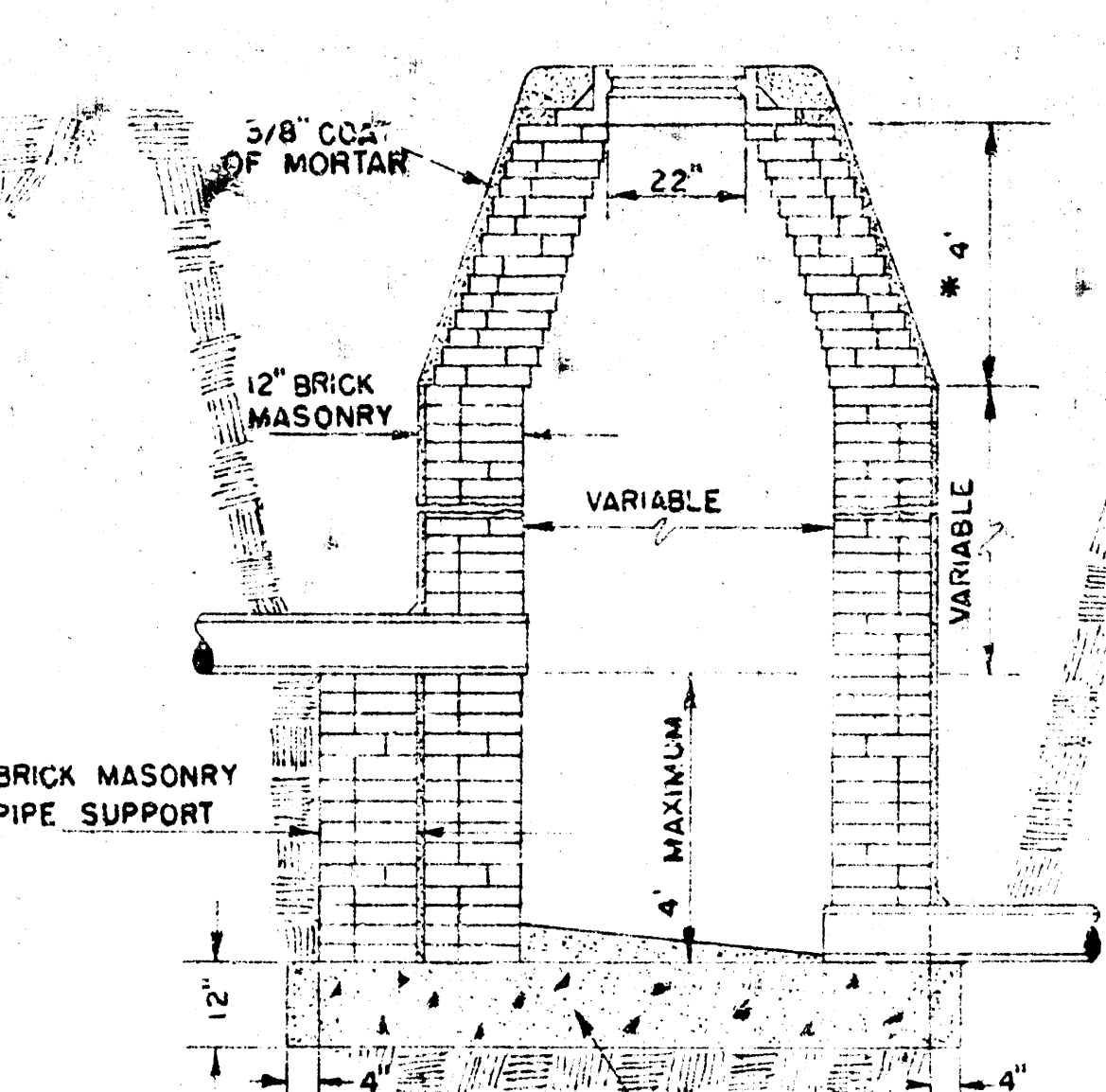
STANDARD MANHOLE
TYPE "A"



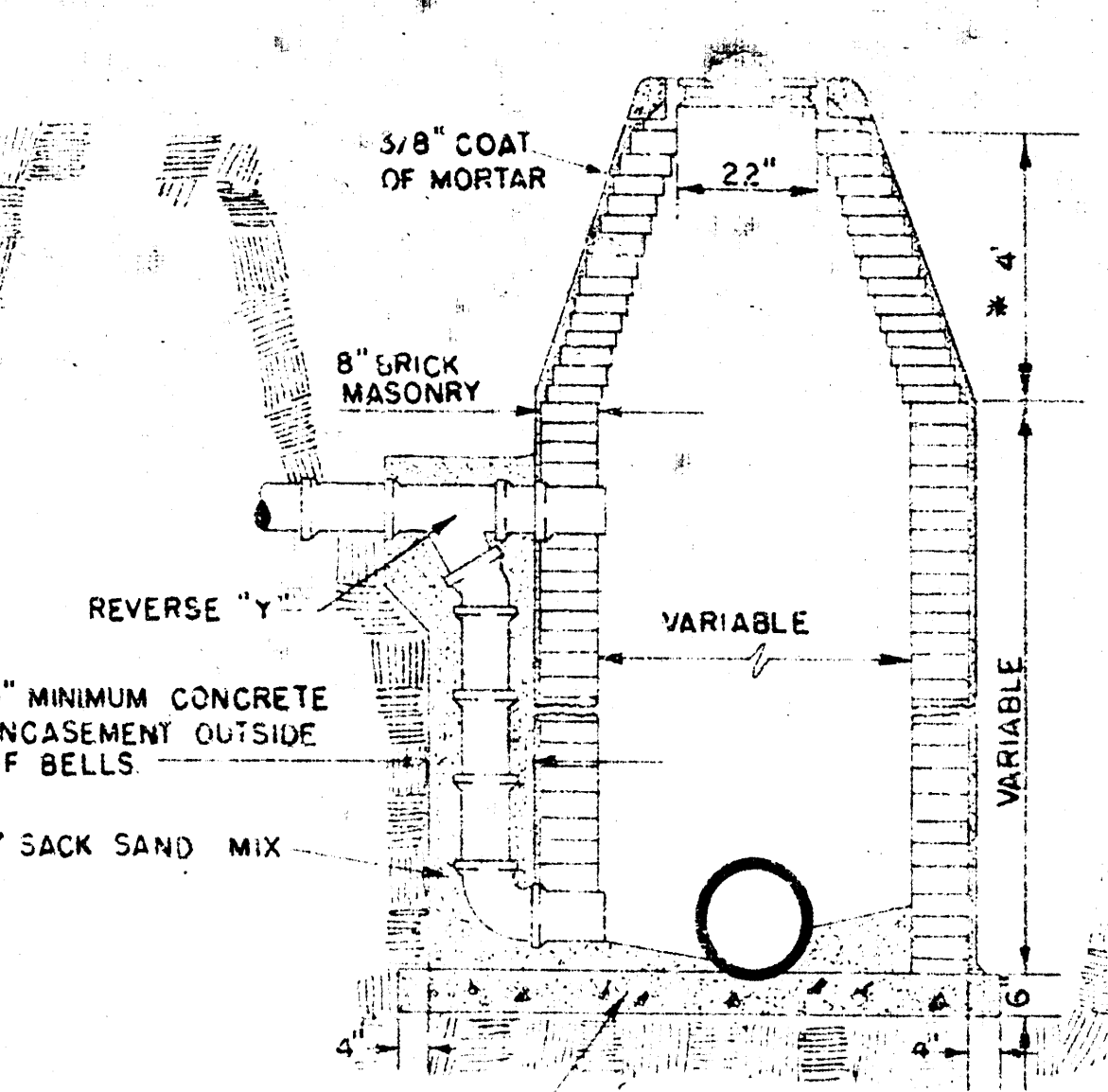
STANDARD MANHOLE
TYPE "B"



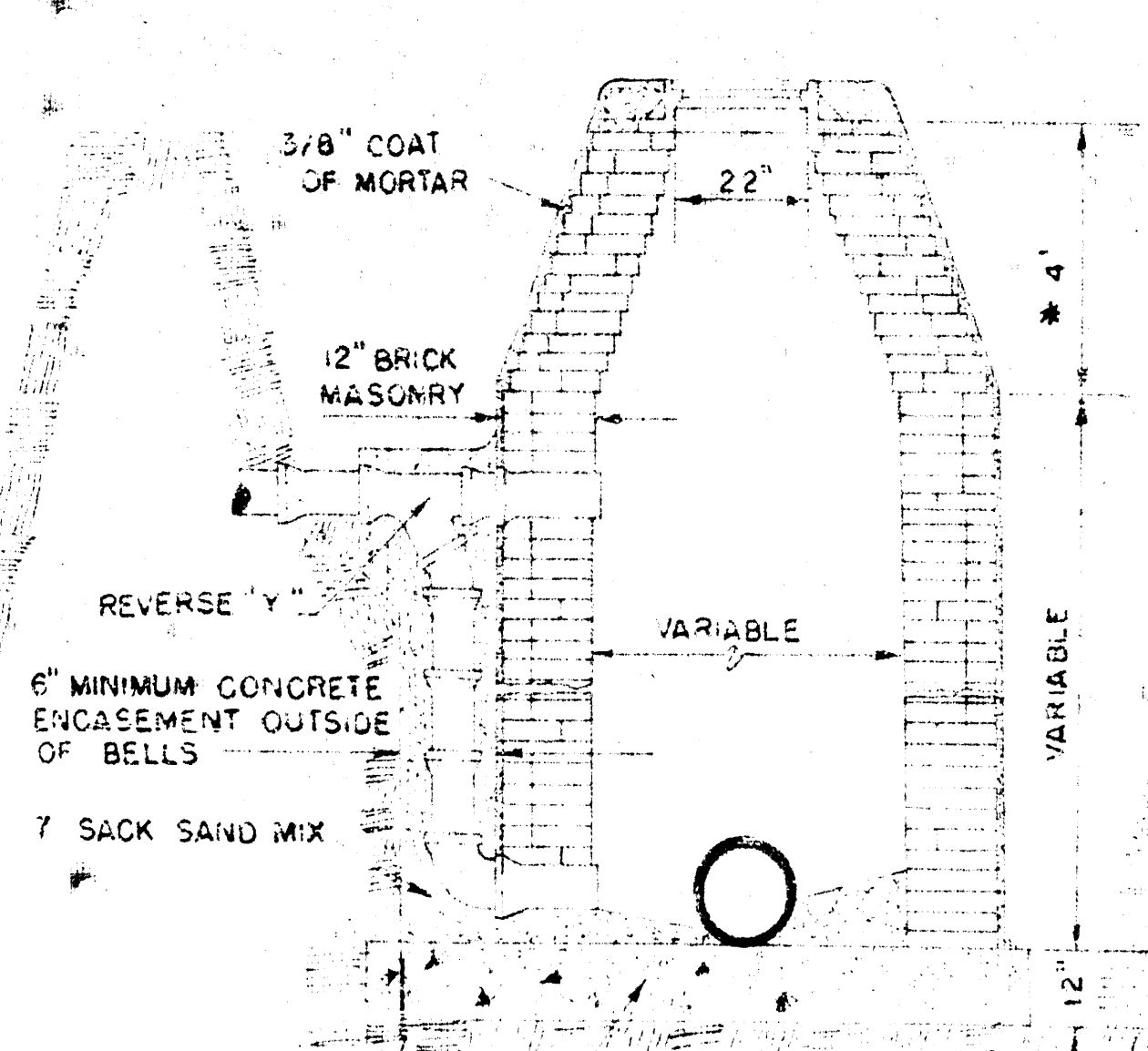
DROP MANHOLE
TYPE "A"



DROP MANHOLE
TYPE "B"

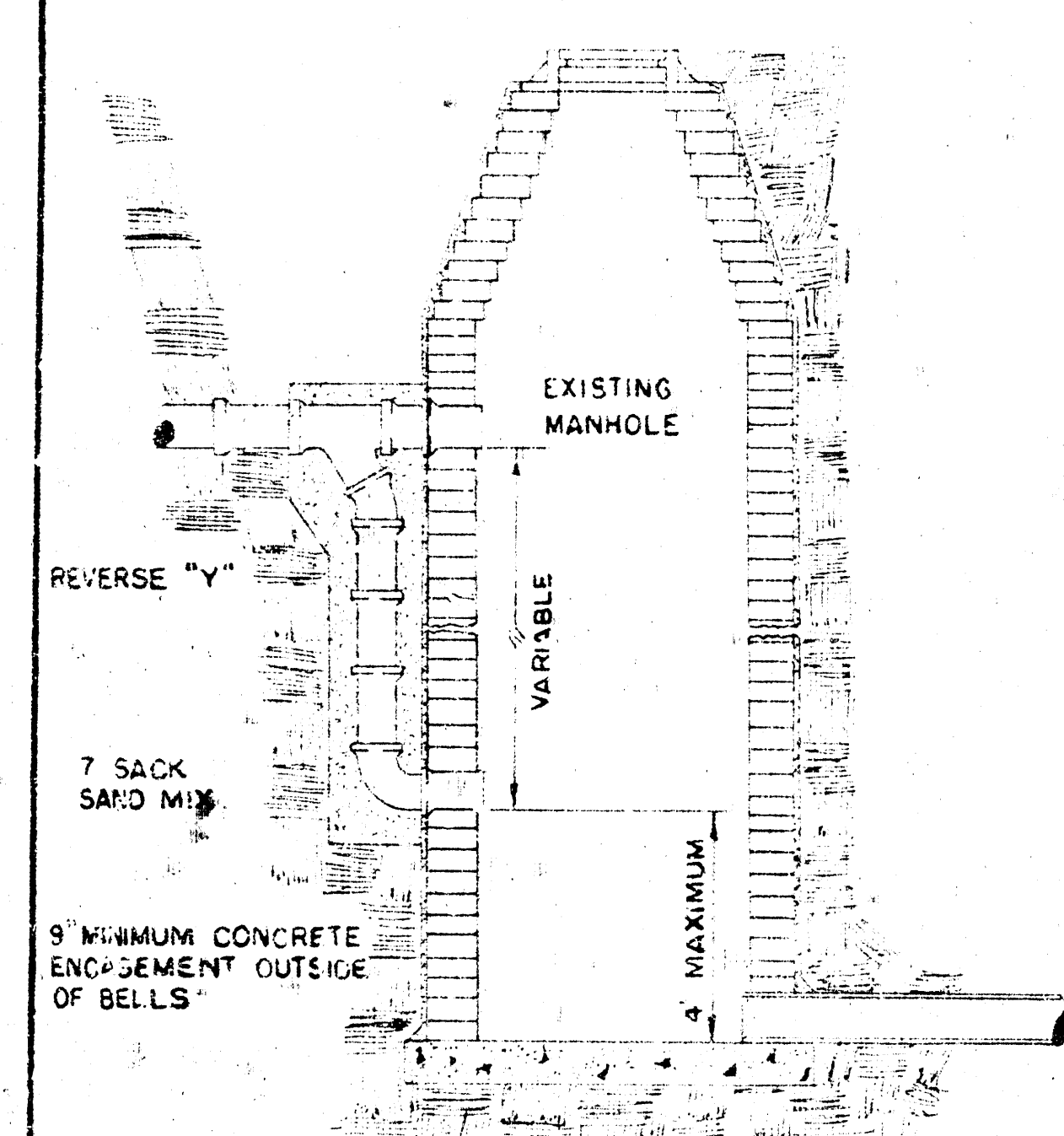


OUTSIDE DROP MANHOLE
TYPE "A"

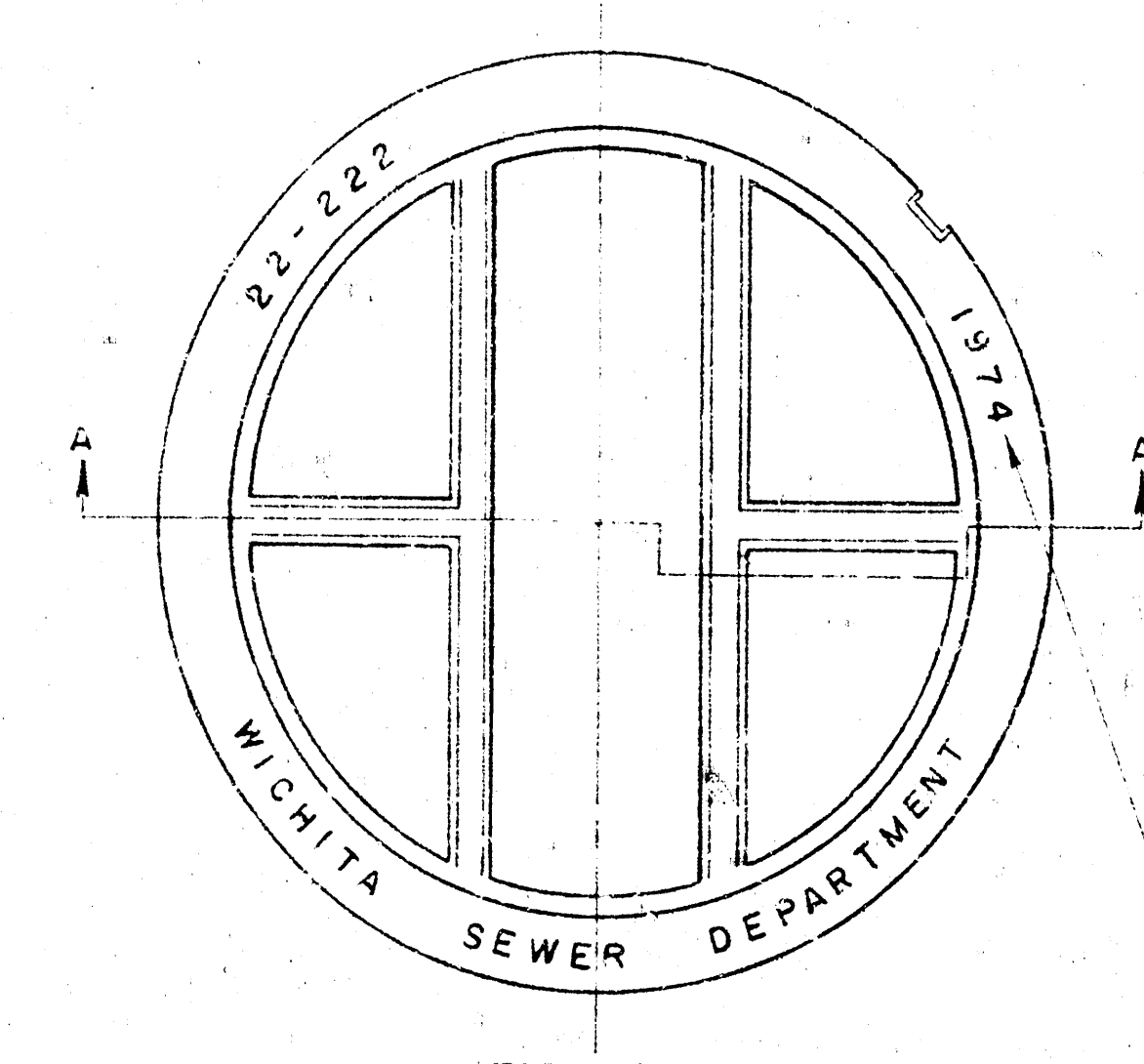


OUTSIDE DROP MANHOLE
TYPE "B"

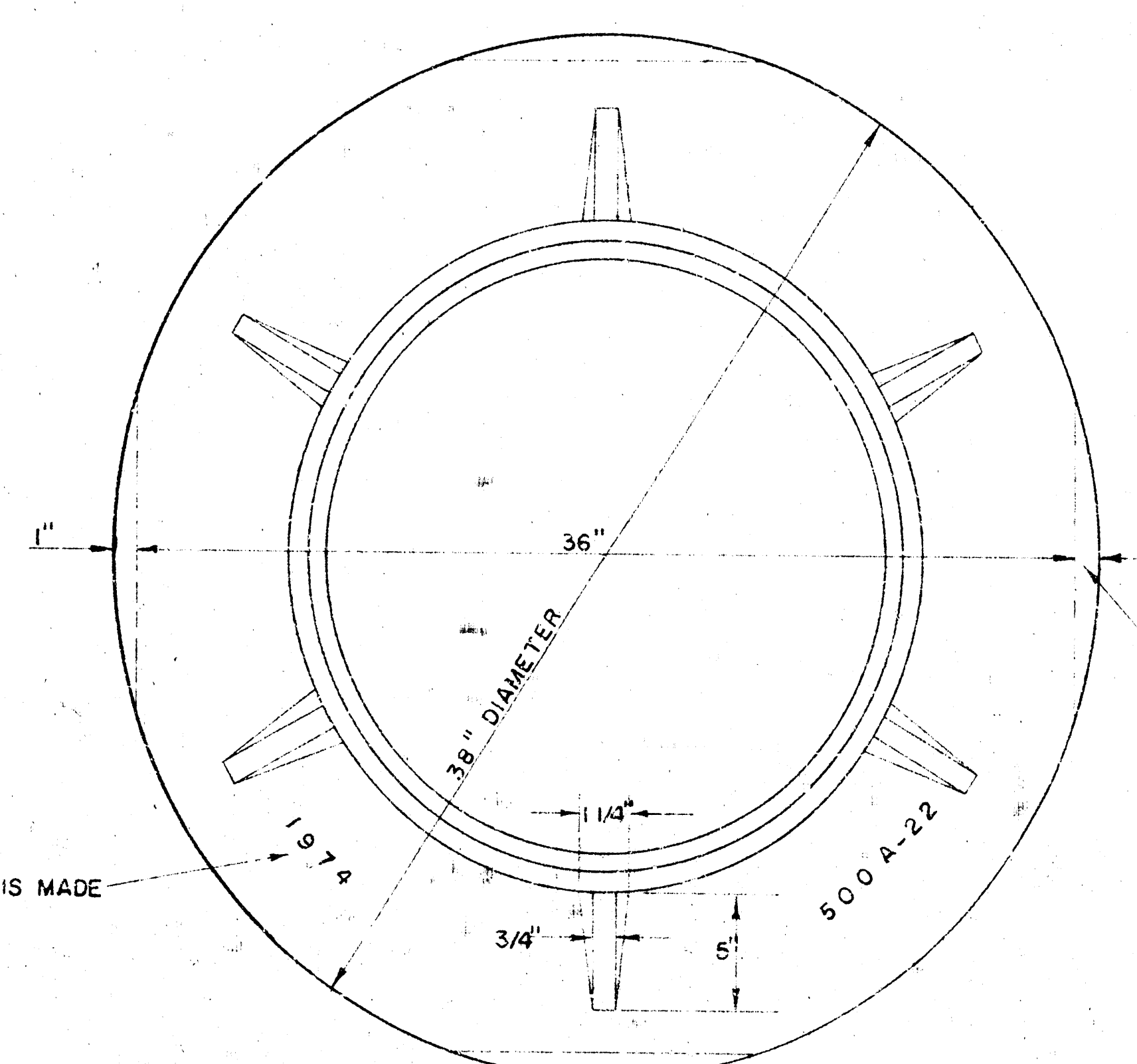
* DRAW = 6' ON 5' DIA. M.H.



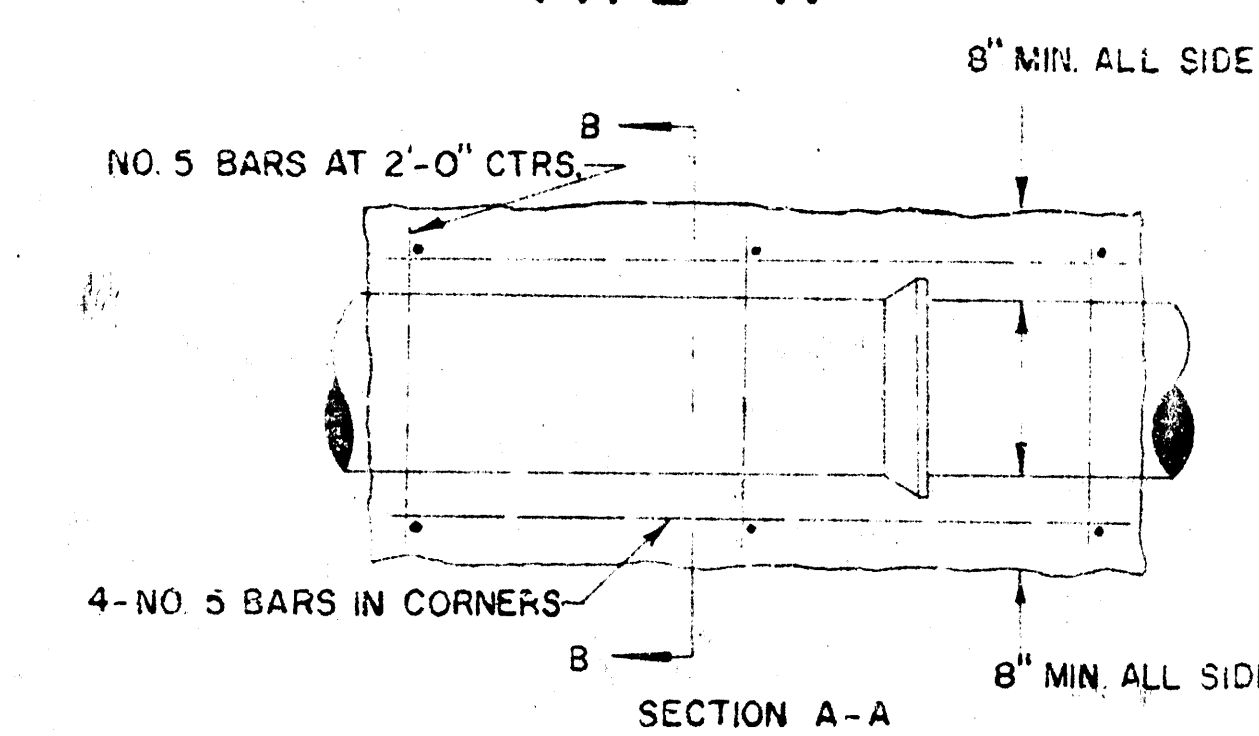
DETAIL OF DROP STACK
FOR EXISTING MANHOLES IN GROUND WATER



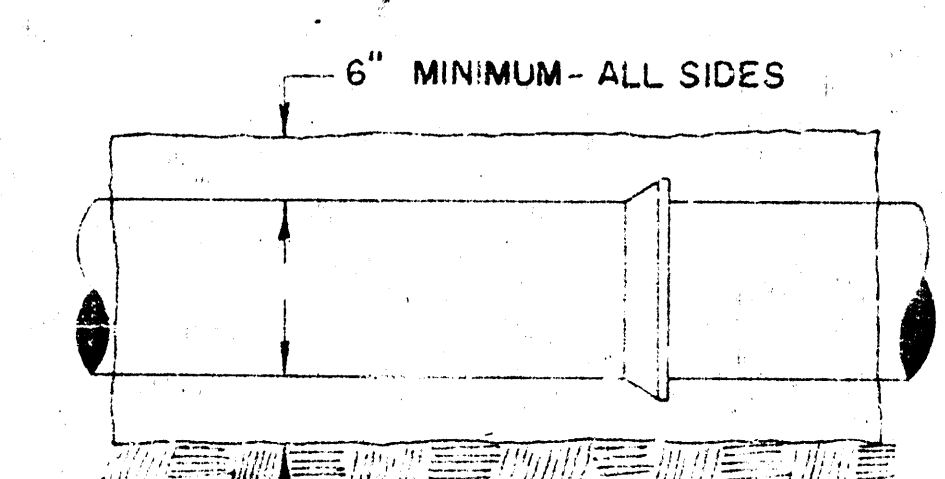
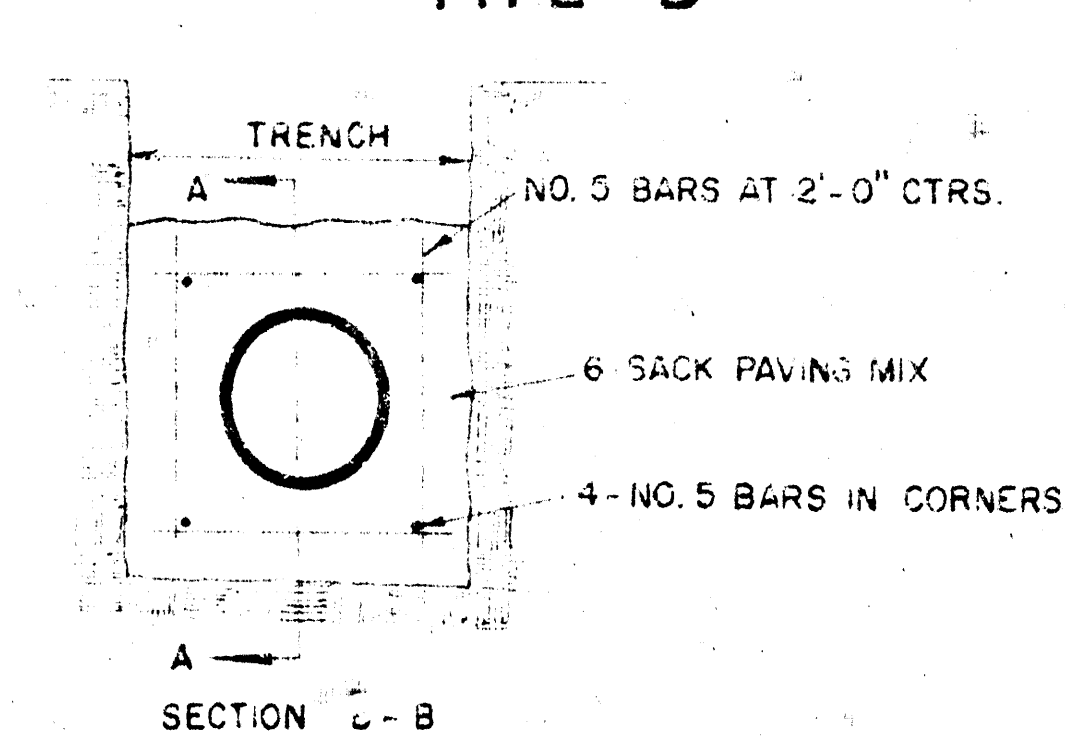
MANHOLE COVER
WEIGHT 110 LBS.



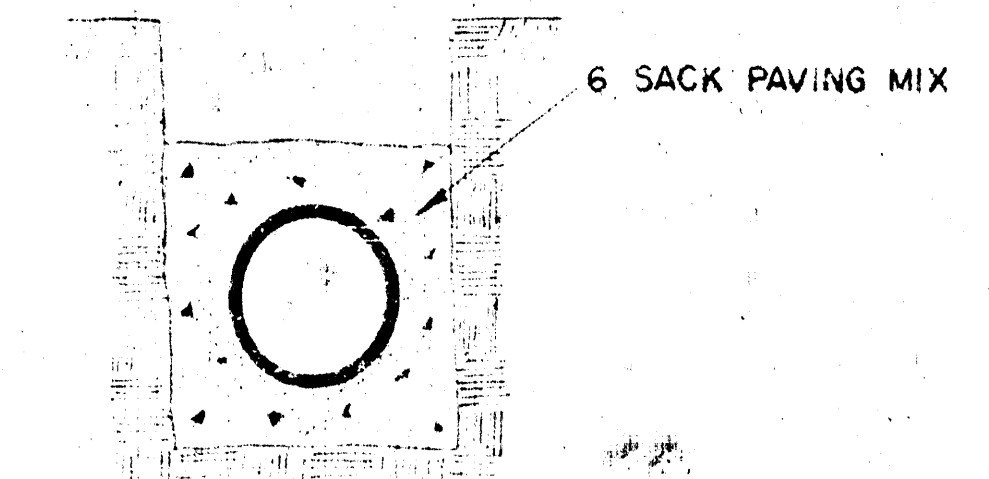
MANHOLE RING
WEIGHT 325 LBS. RING NO. 500A
WEIGHT 800 LBS. RING NO. 500AS



REINFORCED CONCRETE ENCASEMENT
FOR STRENGTH



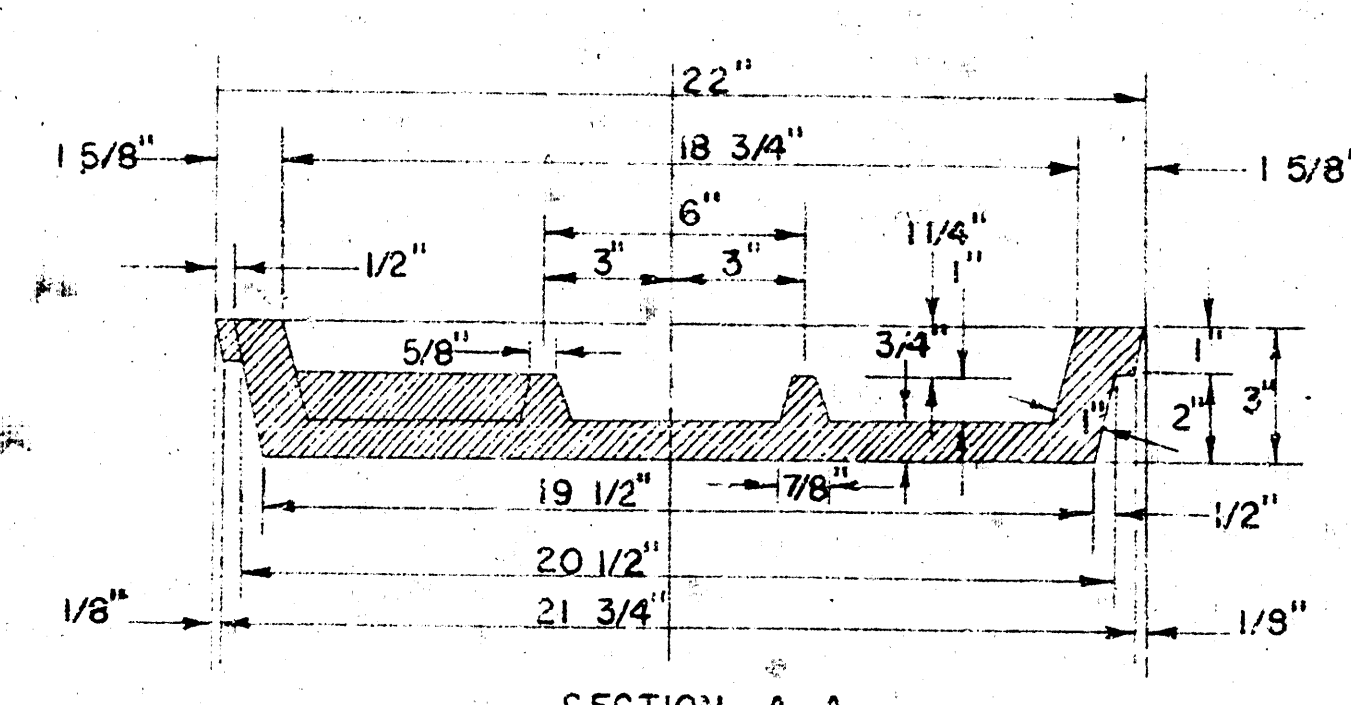
CONCRETE ENCASEMENT
FOR COVER



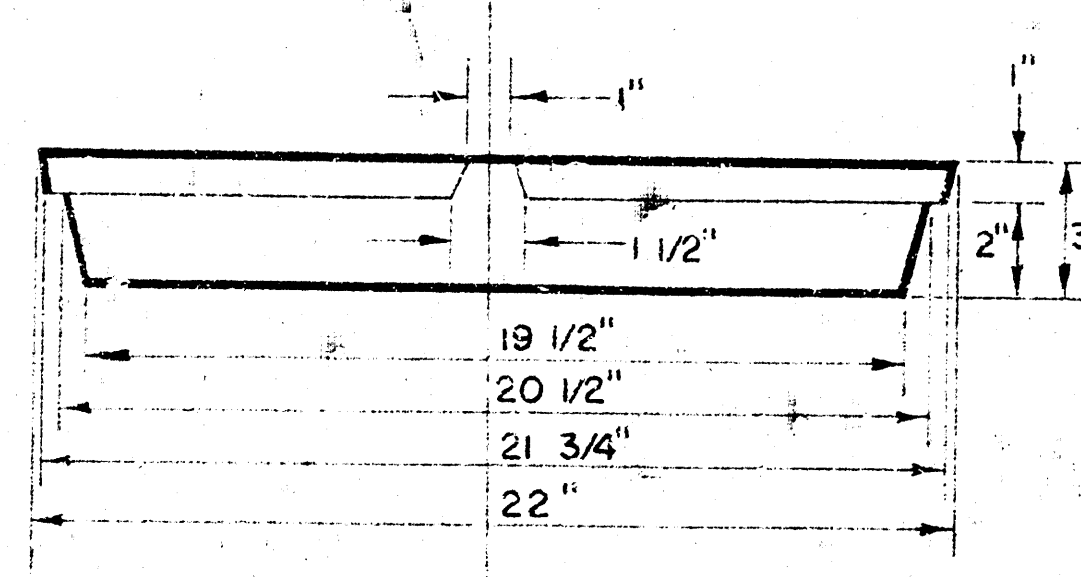
ORDINARY BEDDING METHOD
FOR CLAY PIPE

GENERAL NOTES

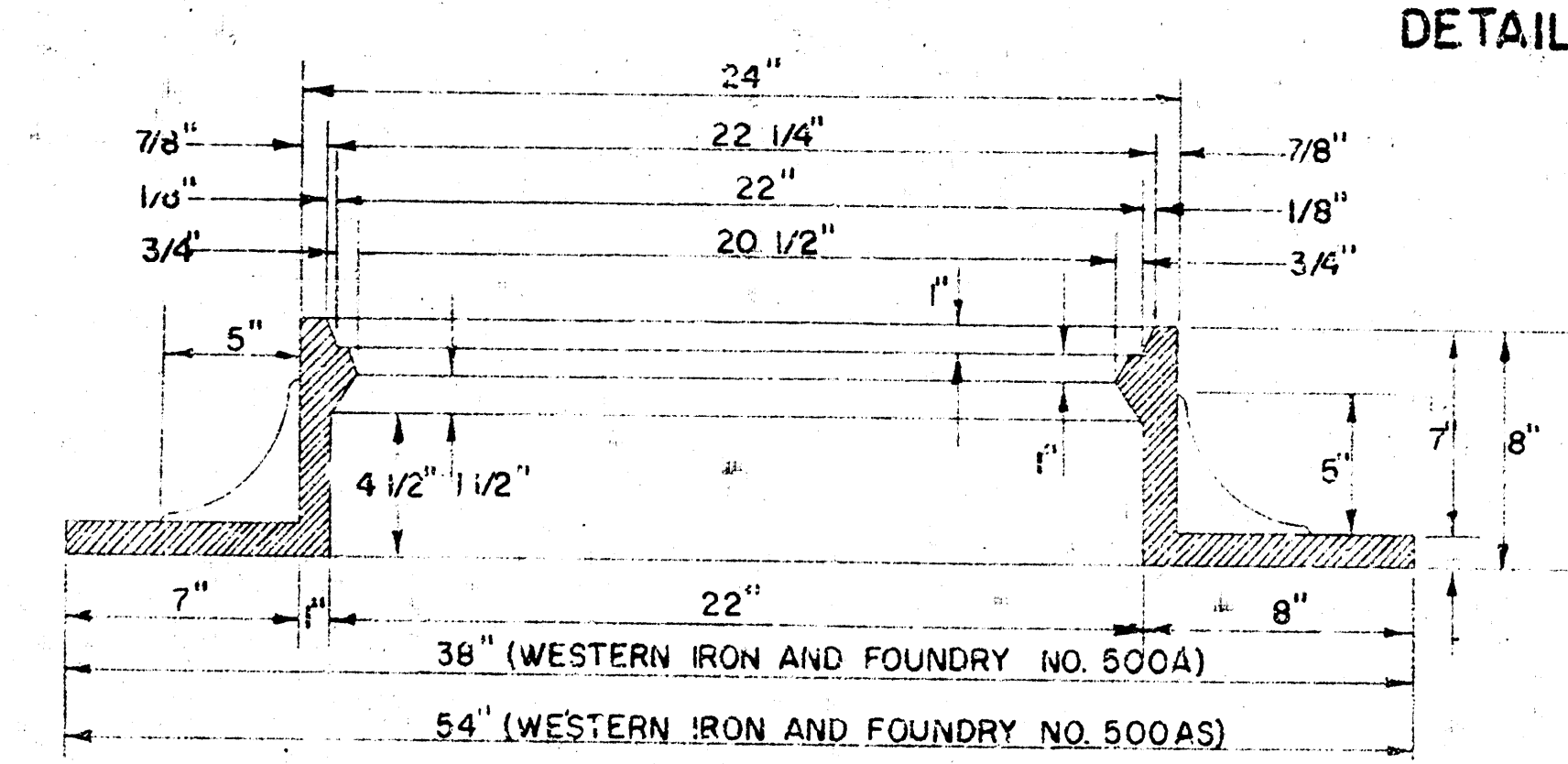
- MORTAR USED IN MASONRY CONSTRUCTION SHALL CONTAIN 8 SACKS OF CEMENT PER CUBIC YARD.
- STANDARD MANHOLES TYPE "A" OR TYPE "B" AND STANDARD DROP MANHOLES TYPE "A" OR TYPE "B" SHALL BE BID AS STANDARD MANHOLES FOR THE TYPE AND DIAMETER INDICATED.
- OUTSIDE DROP MANHOLES SHALL BE BID AS STANDARD OUTSIDE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



MANHOLE COVER



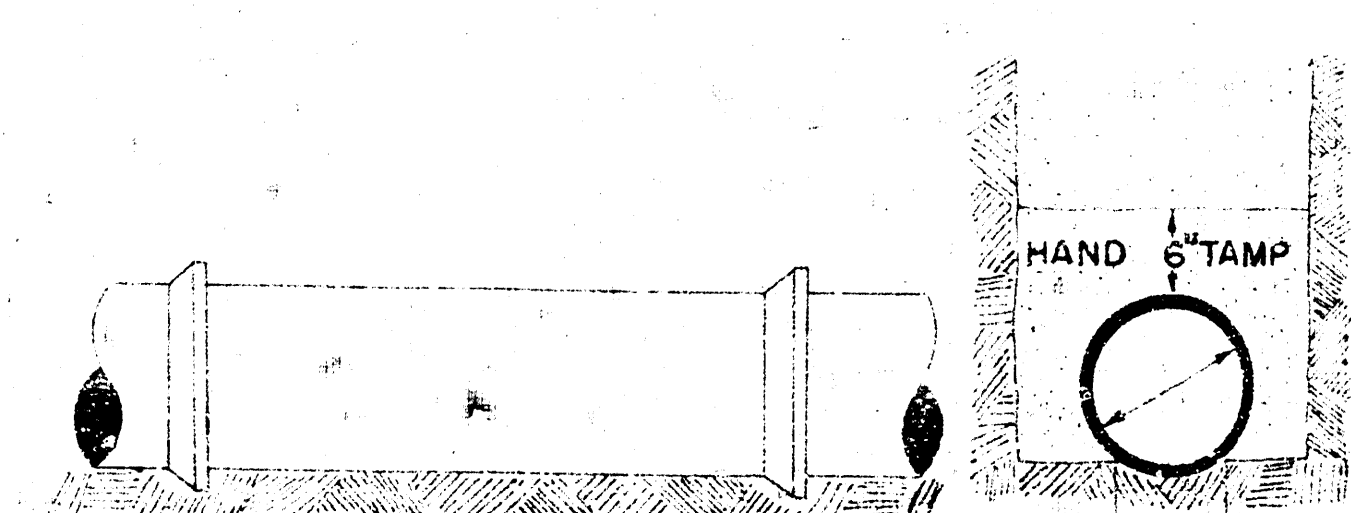
MANHOLE COVER



MANHOLE RING

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

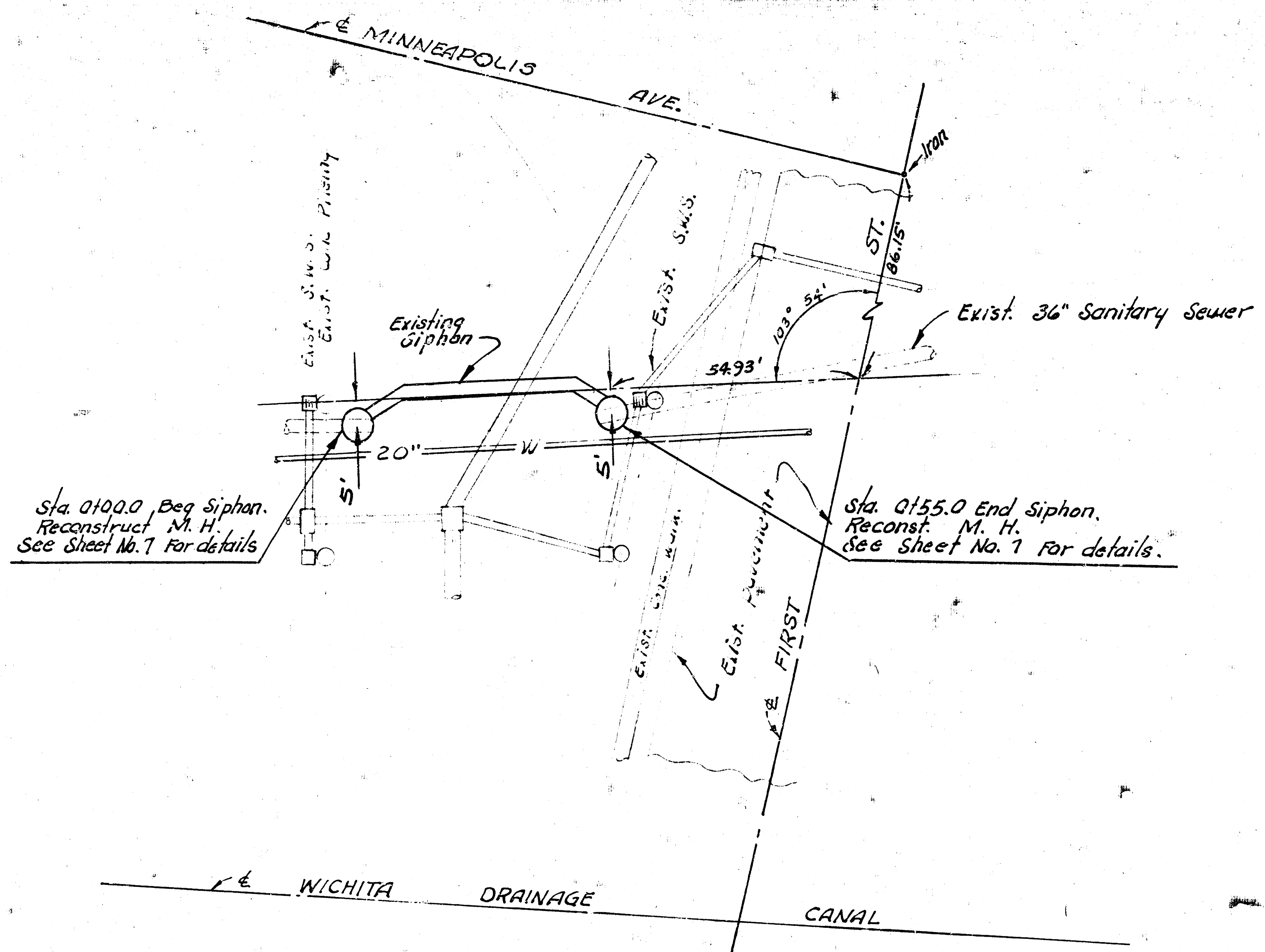
DETAIL OF CONCRETE CRADLE



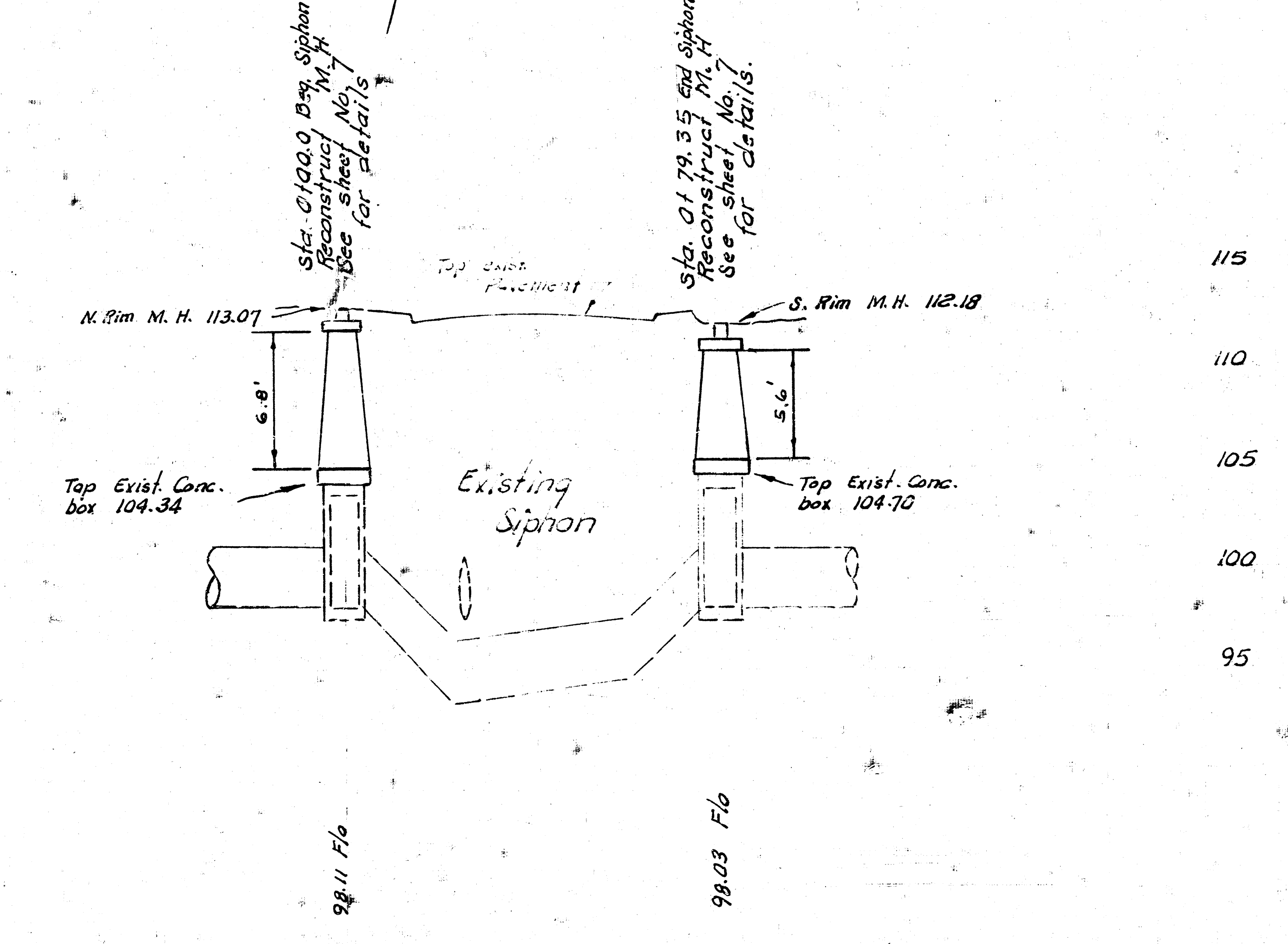
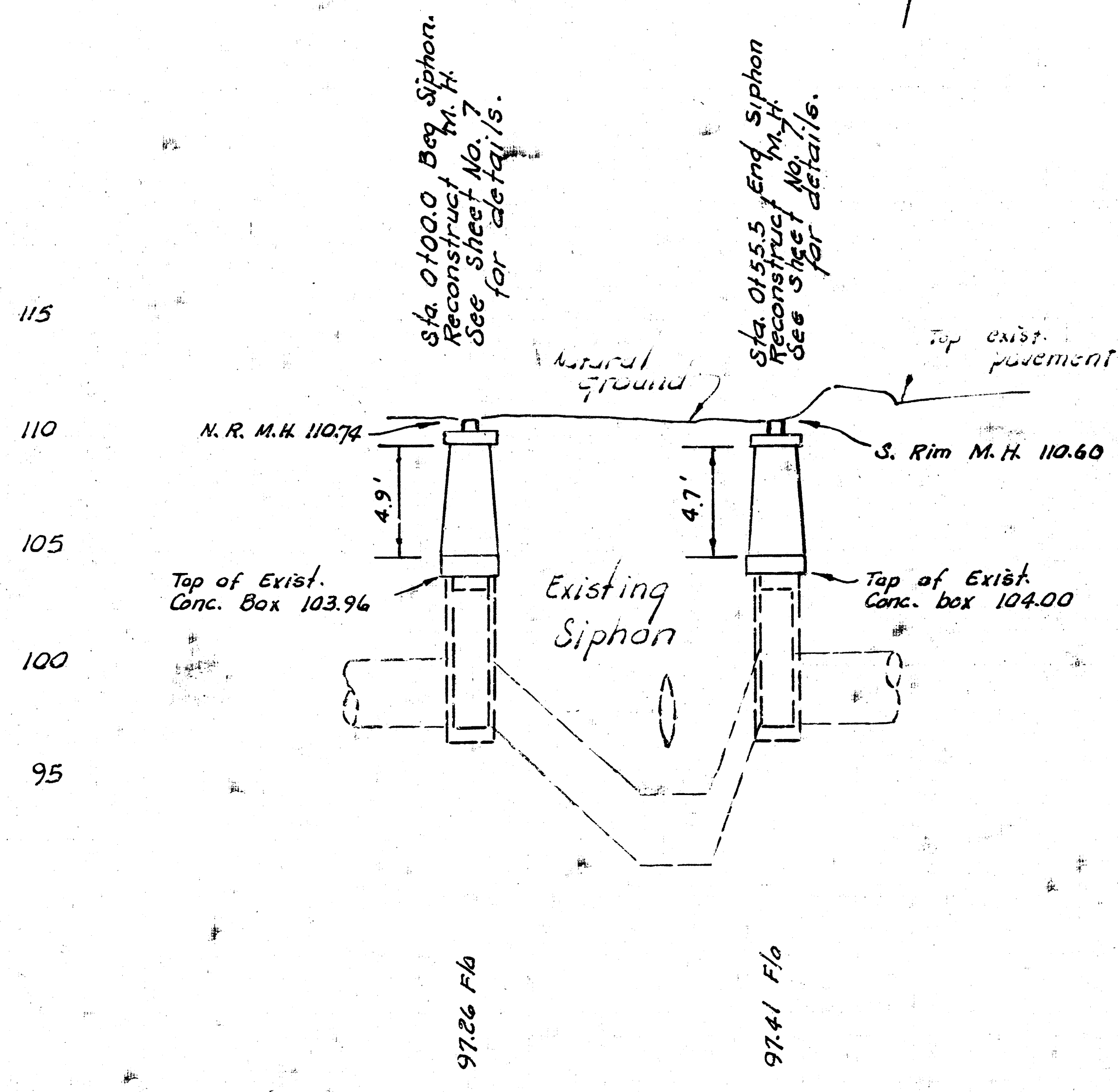
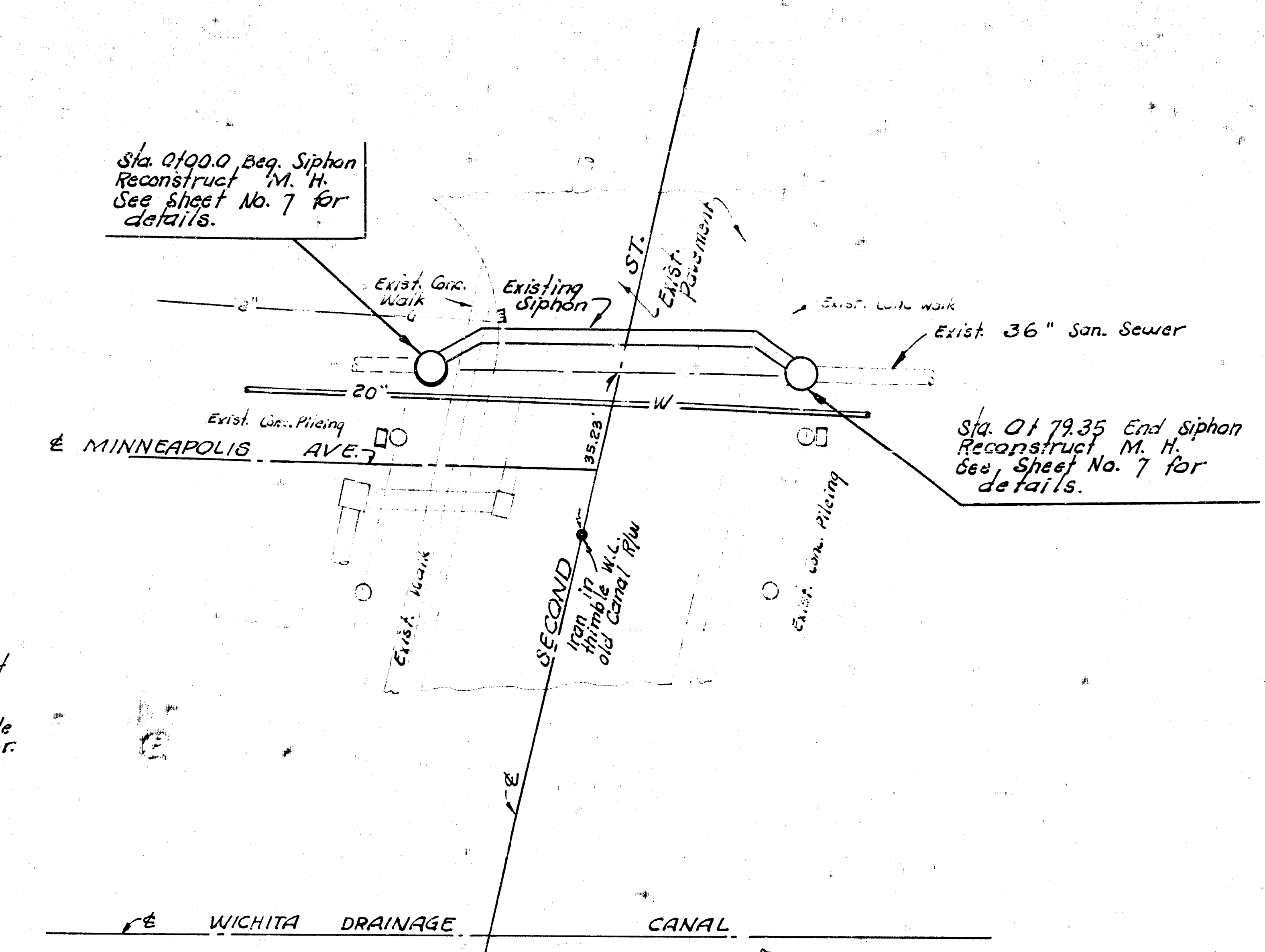
ORDINARY BEDDING METHOD
FOR REINFORCED CONCRETE PIPE

DETAILS OF
SEWER APPURTENANCES
ADOPTED AS STANDARD DESIGN
BY
ENGINEERING DIVISION
CITY OF WICHITA, KANSAS
R. W. LINN CITY ENGINEER
1974

FILMED FROM THE BEST
AVAILABLE COPY....

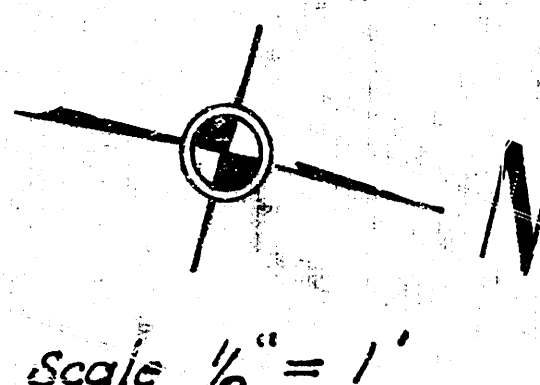


B.M. 111.89 NW cor. conc. step @ Ent
to bldg. @ 1633 E. 2nd St.
B.M. 111.17 S.E. cor. conc. wk. E. Side
Southwest Electric Co. on N.W. cor.
1st St. & Hydraulic.

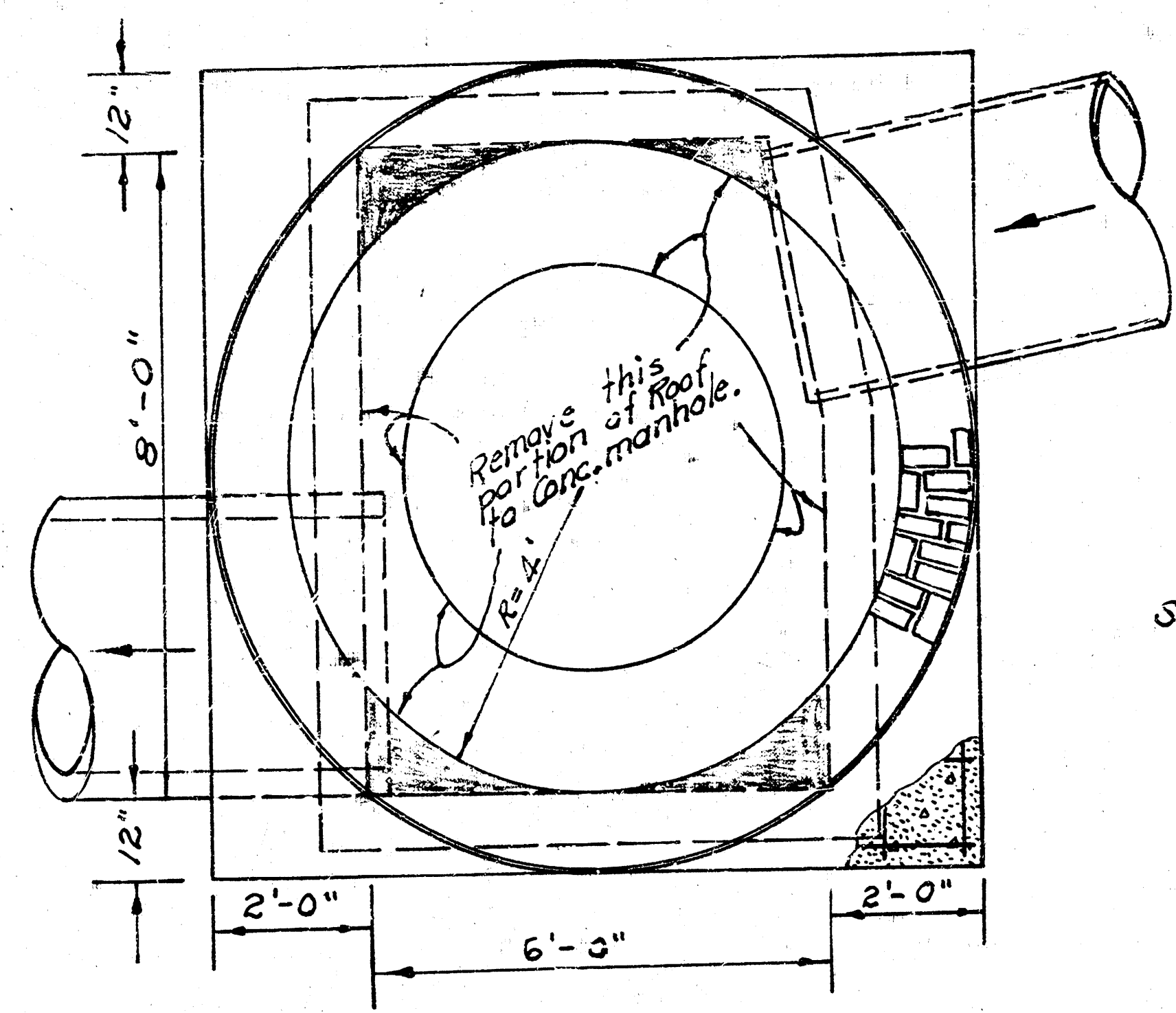


ALTERATION, REPAIR, RECONSTRUCTION OR
CONSTRUCTION OF A SUPPLEMENTAL SEWER TO
SAN. SEWER NO. 20
PROJECT NO. DBK 4 574069

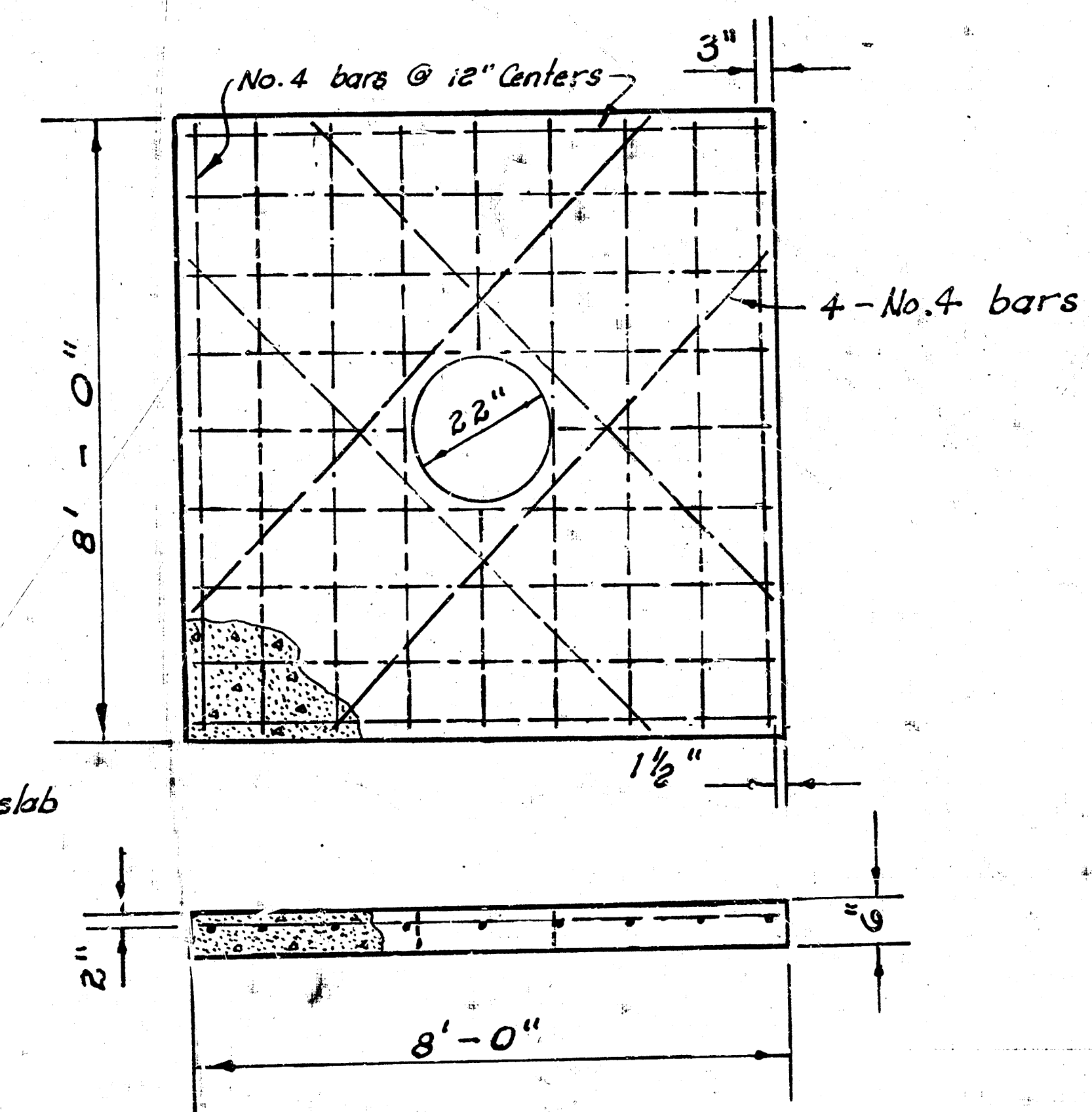
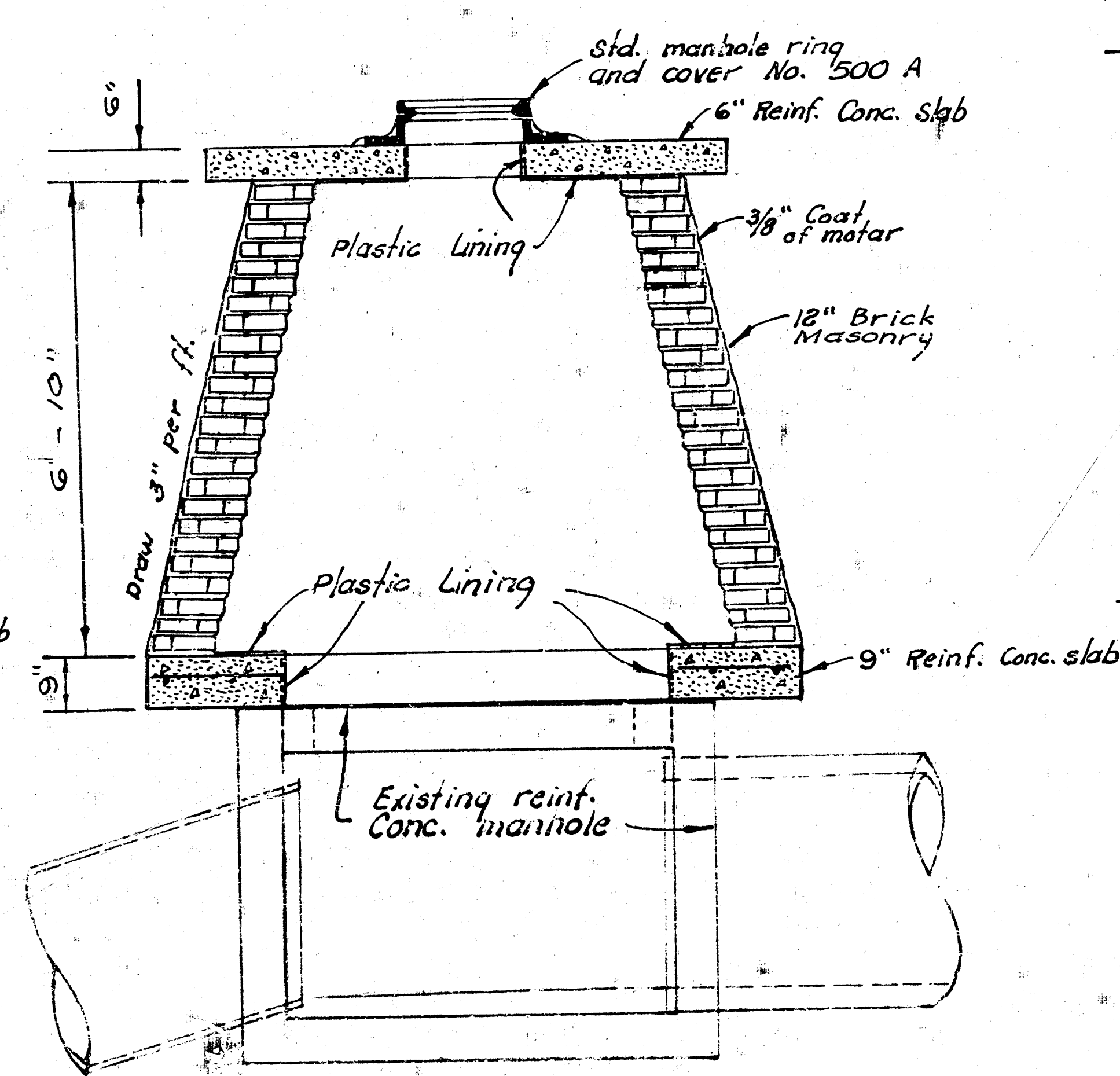
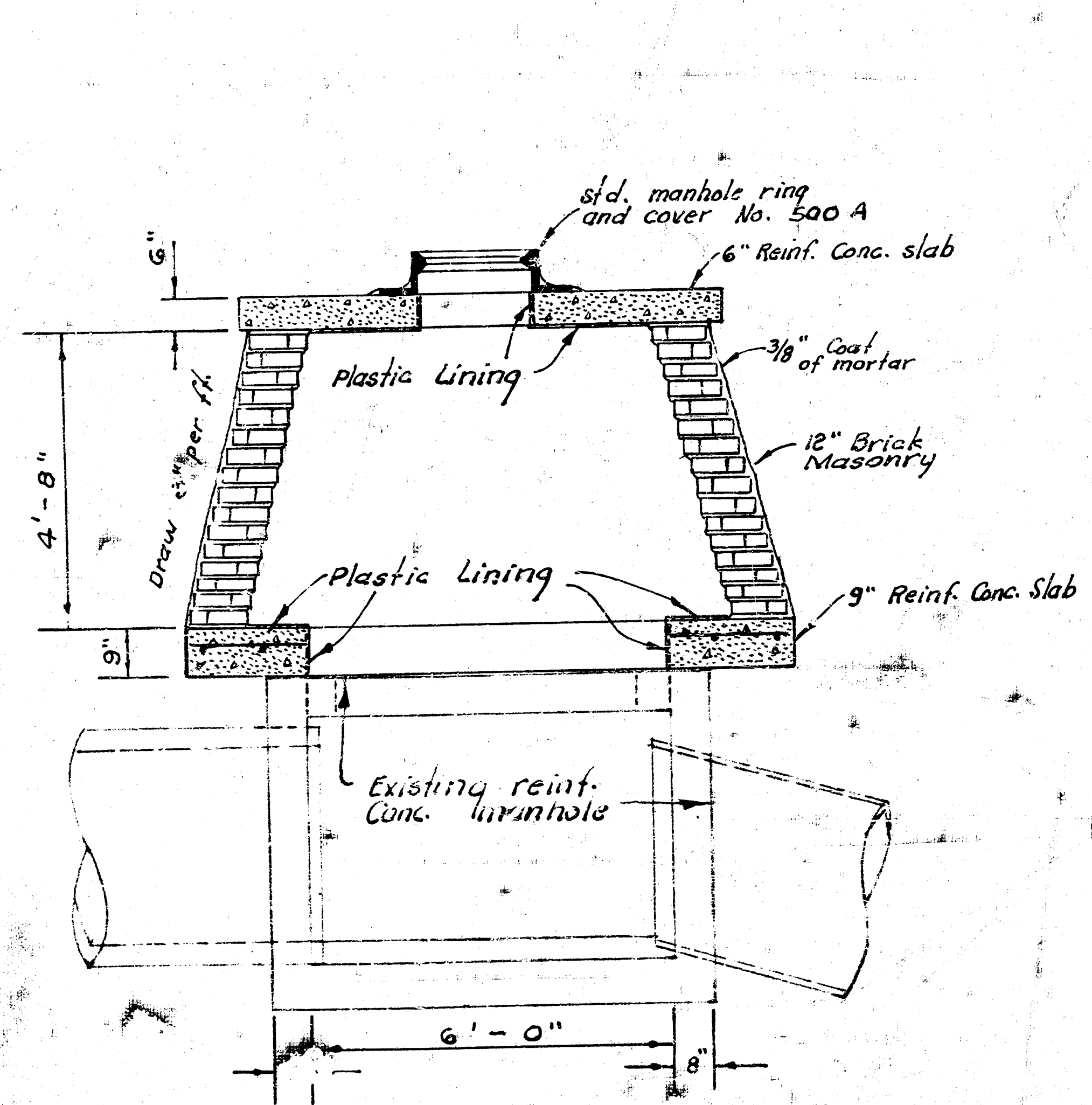
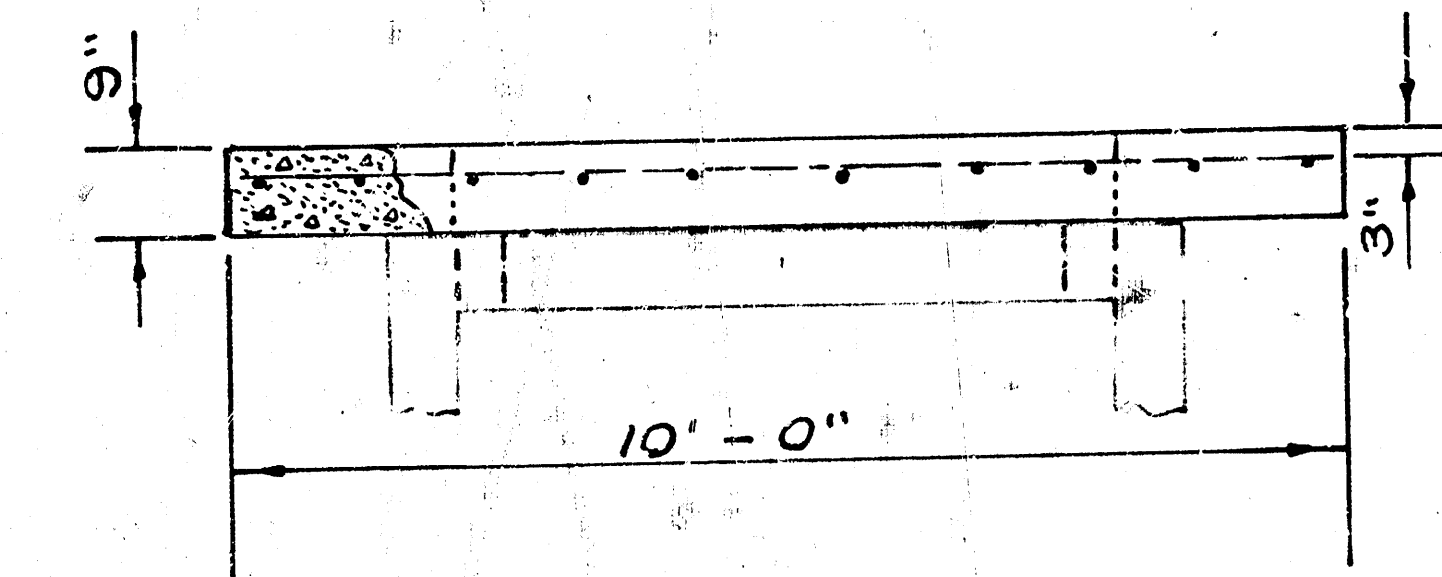
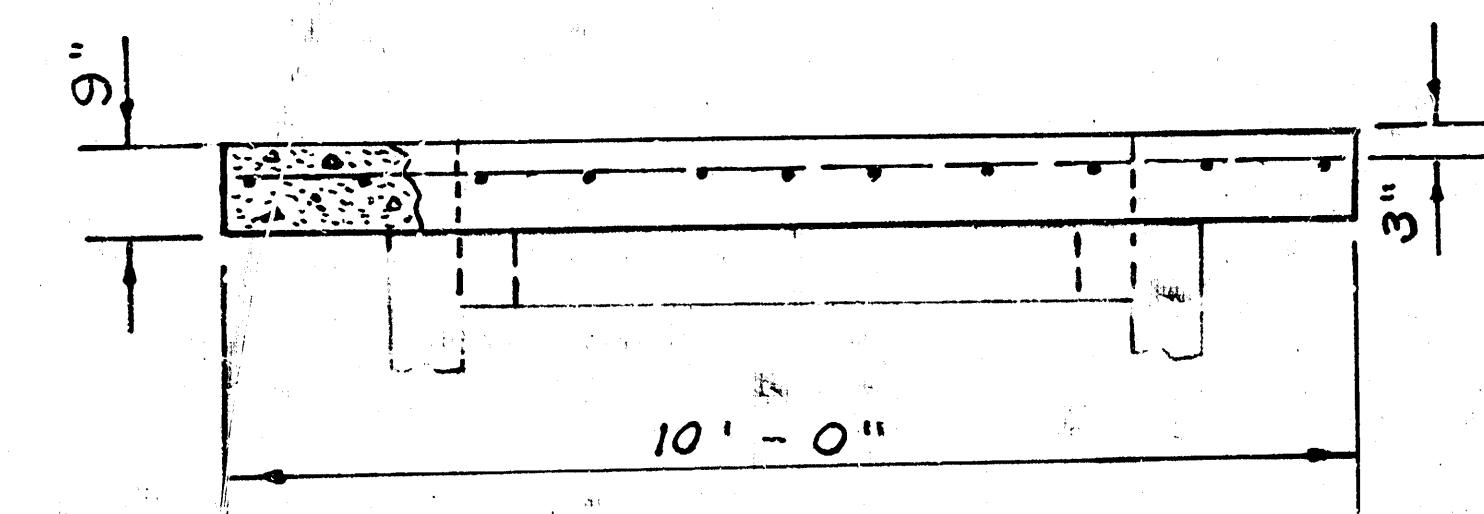
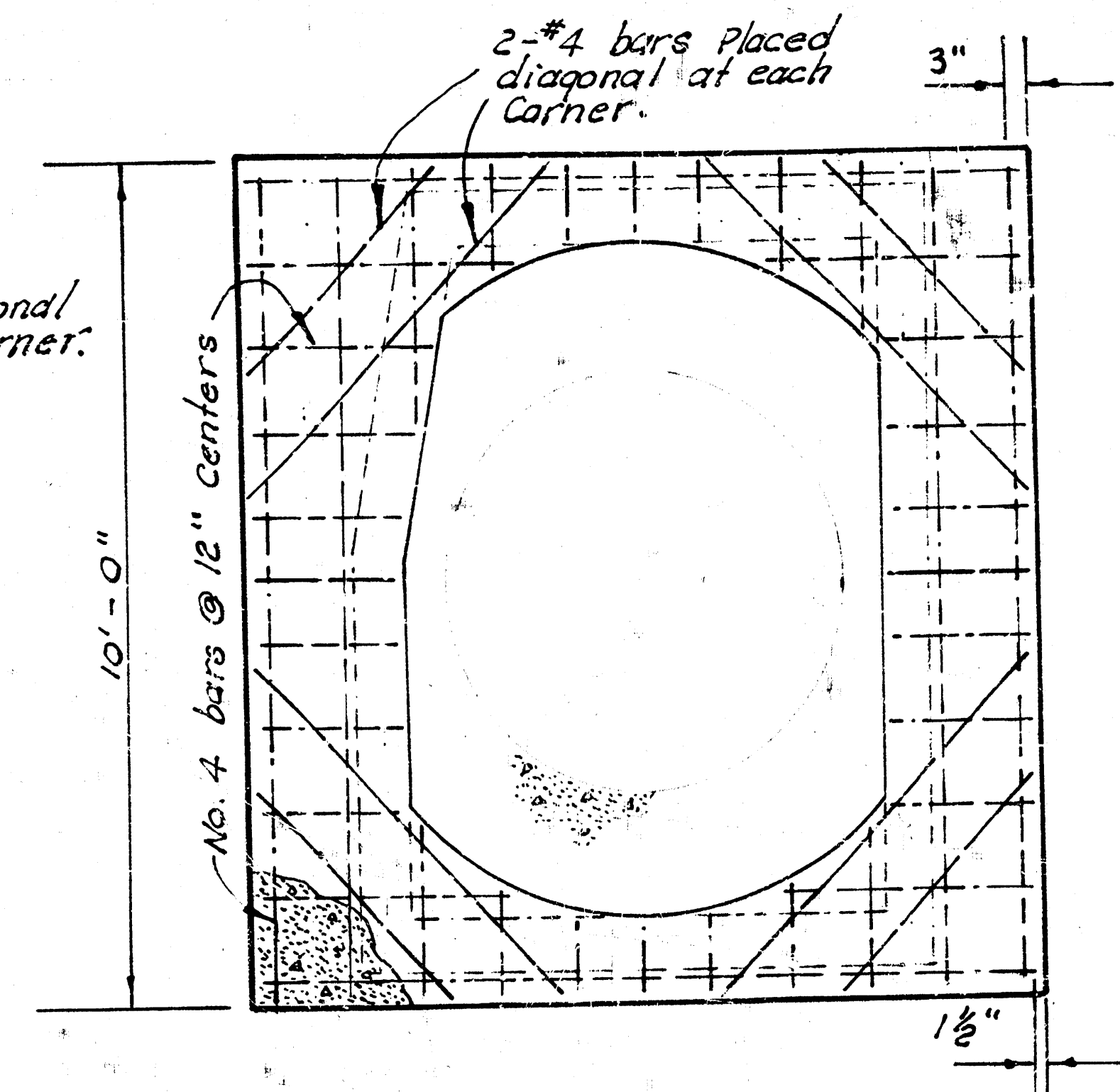
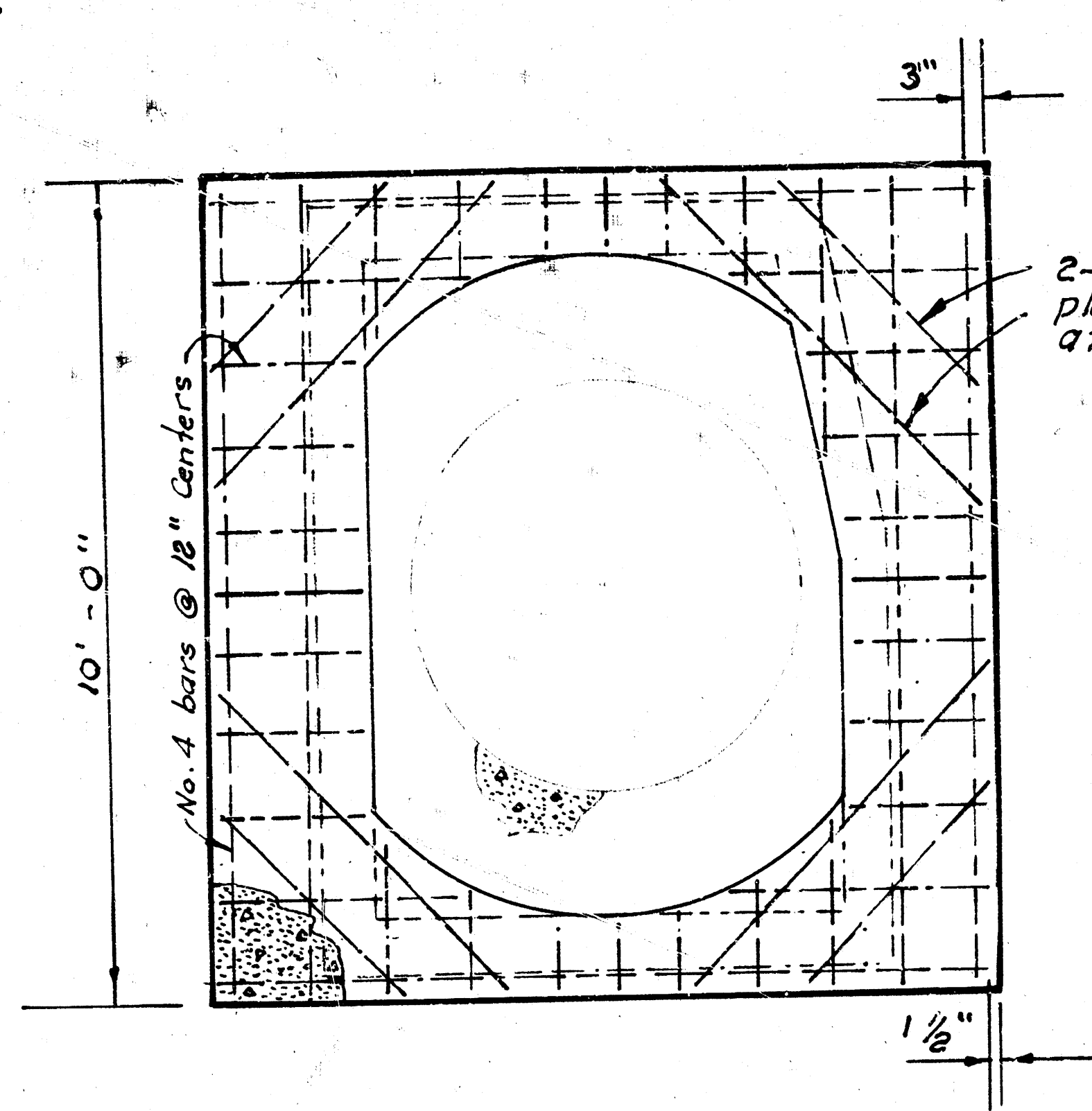
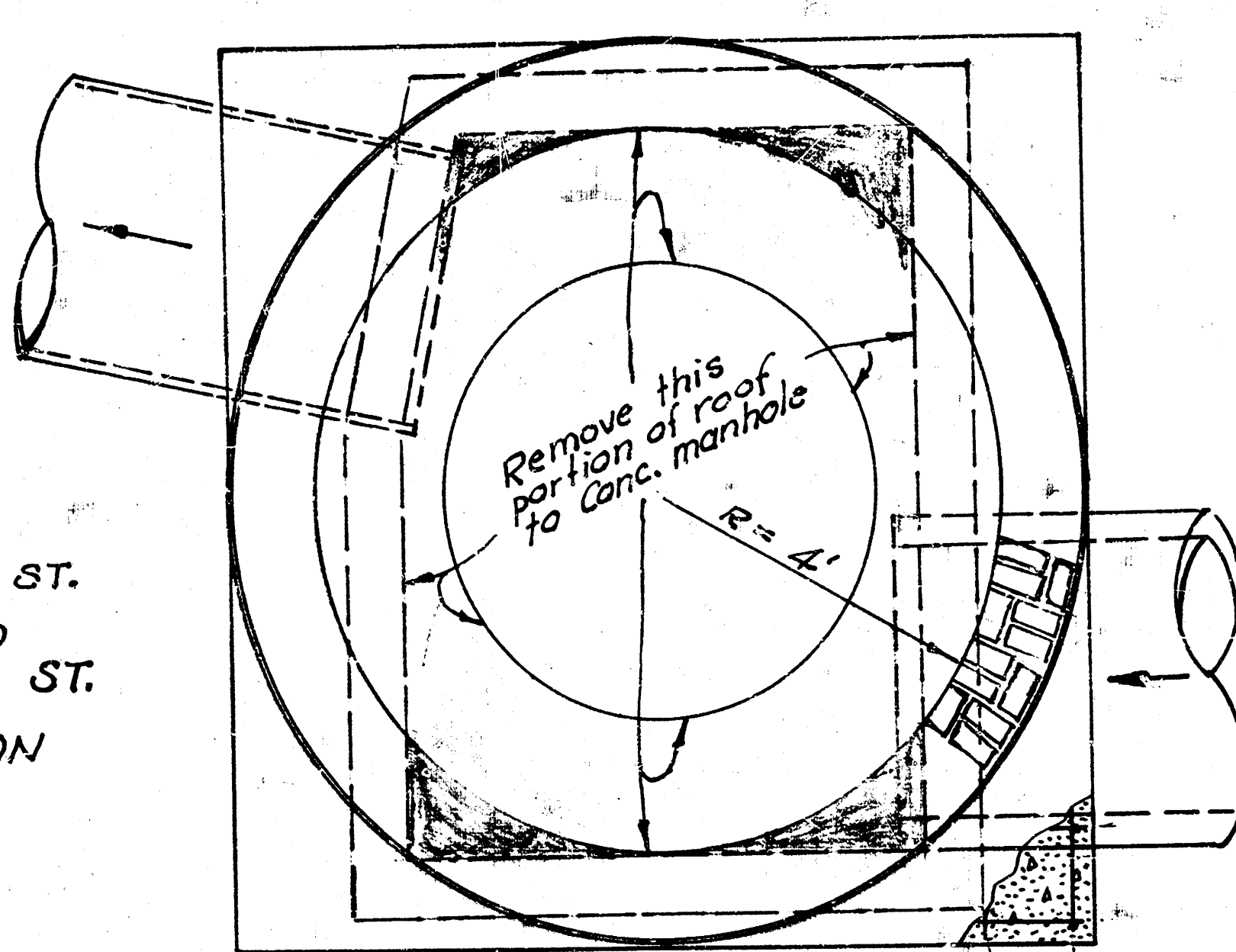
FILMED FROM THE BEST
AVAILABLE COPY



Scale $\frac{1}{2}" = 1'$



FIRST ST.
AND
SECOND ST.
SIPHON



NOTE: CONTRACTOR TO USE EXISTING MANHOLE RINGS AND COVERS FOR SIPHON MANHOLE RECONSTRUCTION. CONTRACTOR TO REMOVE EXISTING BRICK STACKS ON SIPHON MANHOLES AND THAT PORTION OF THE TOP SLABS OF THE CONCRETE MANHOLES AS INDICATED BY PLANS. TOP SLABS OF CONCRETE MANHOLES AND BRICK STACKS ON SIPHON MANHOLES TO BE RECONSTRUCTED AS SHOWN BY PLANS. PRICE BID FOR RECONSTRUCTION OF SIPHON MANHOLES SHALL INCLUDE ALL COST FOR REMOVAL OF TOP SLAB AND BRICK STACK, RECONSTRUCTION OF TOP SLAB AND BRICK STACK, EXCAVATION, SAND BACKFILL AND/OR FLUSHING, AND ANY OTHER INCIDENTALS NECESSARY TO COMPLETE THE WORK.

ALTERATION REPAIR, RECONSTRUCTION OR
CONSTRUCTION OF A SUPPLEMENTAL SEWER TO
SAN. SEWER NO. 20
PROJECT NO. DBK L 574069

FILMED FROM THE BEST
AVAILABLE COPY