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

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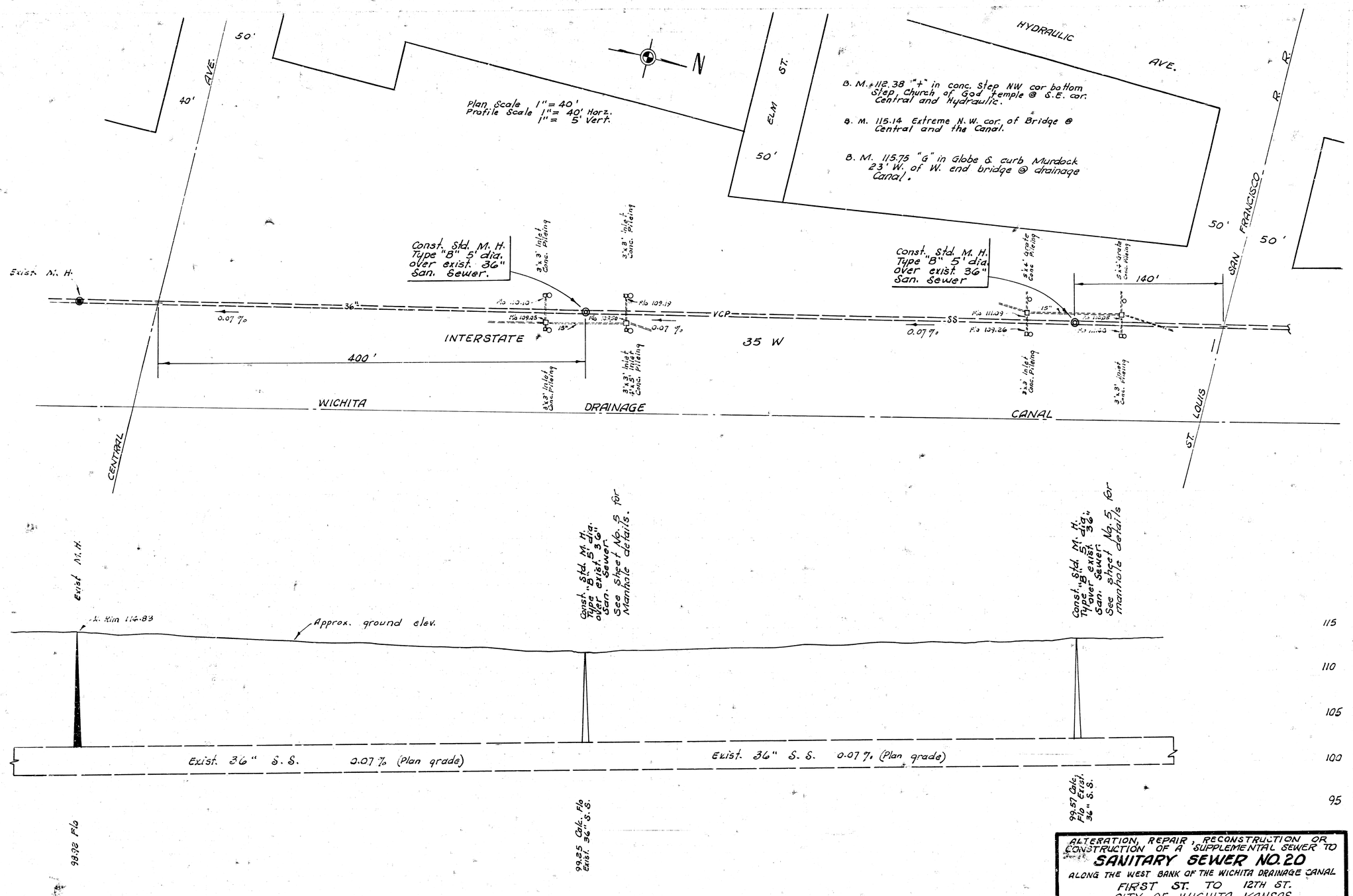
GENERAL NOTE

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.

DONALD E. SCHNOOR
REGISTERED
6311
KANSAS
PROFESSIONAL ENGINEER

1/7

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J. A. K.
J. R. W.

C-238
D-215

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Pg 64

ALTERATION, REPAIR, RECONSTRUCTION OR CONSTRUCTION OF A SUPPLEMENTAL SEWER TO

SANITARY SEWER NO. 20

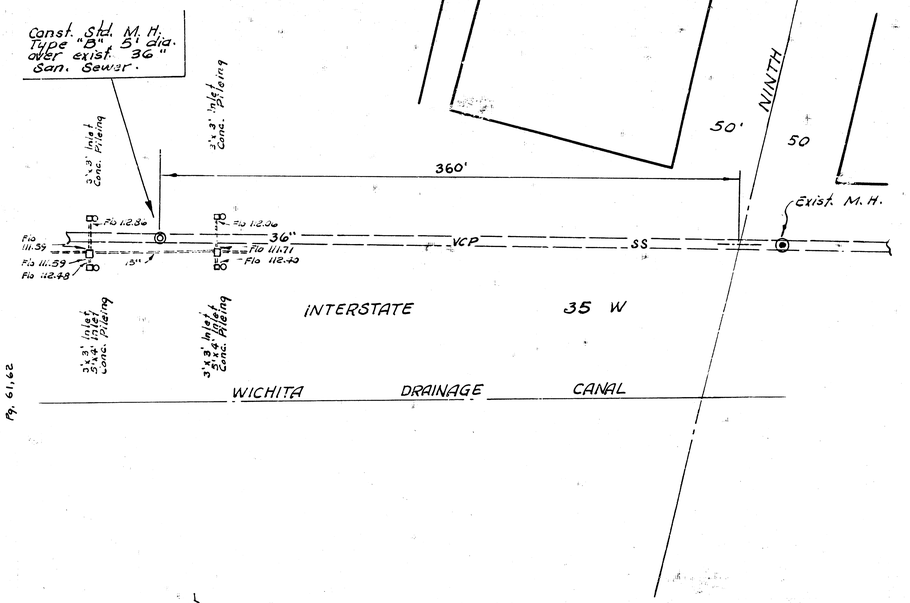
ALONG THE WEST BANK OF THE WICHITA DRAINAGE CANAL
FIRST ST. TO 12TH ST.
CITY OF WICHITA, KANSAS

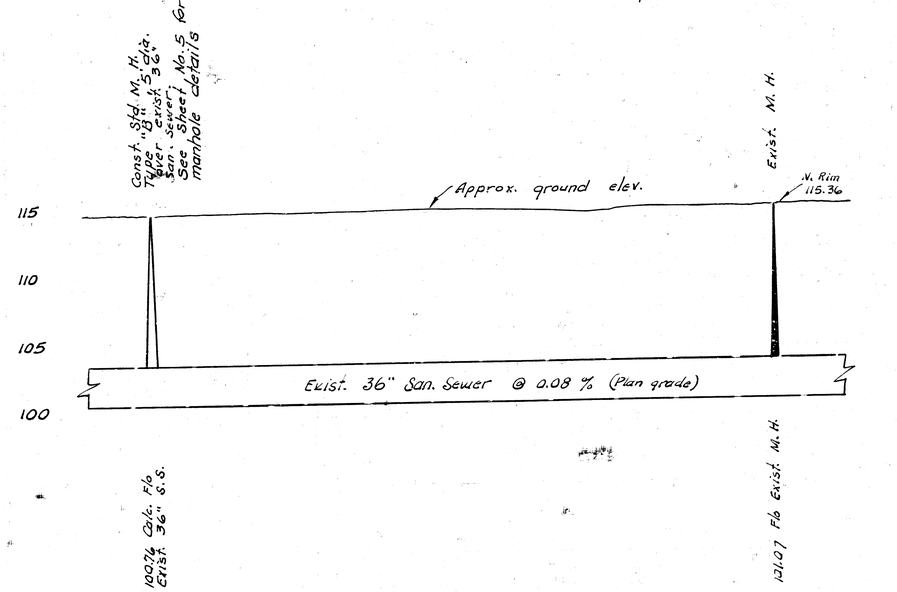
R. W. LINN — CITY ENGINEER

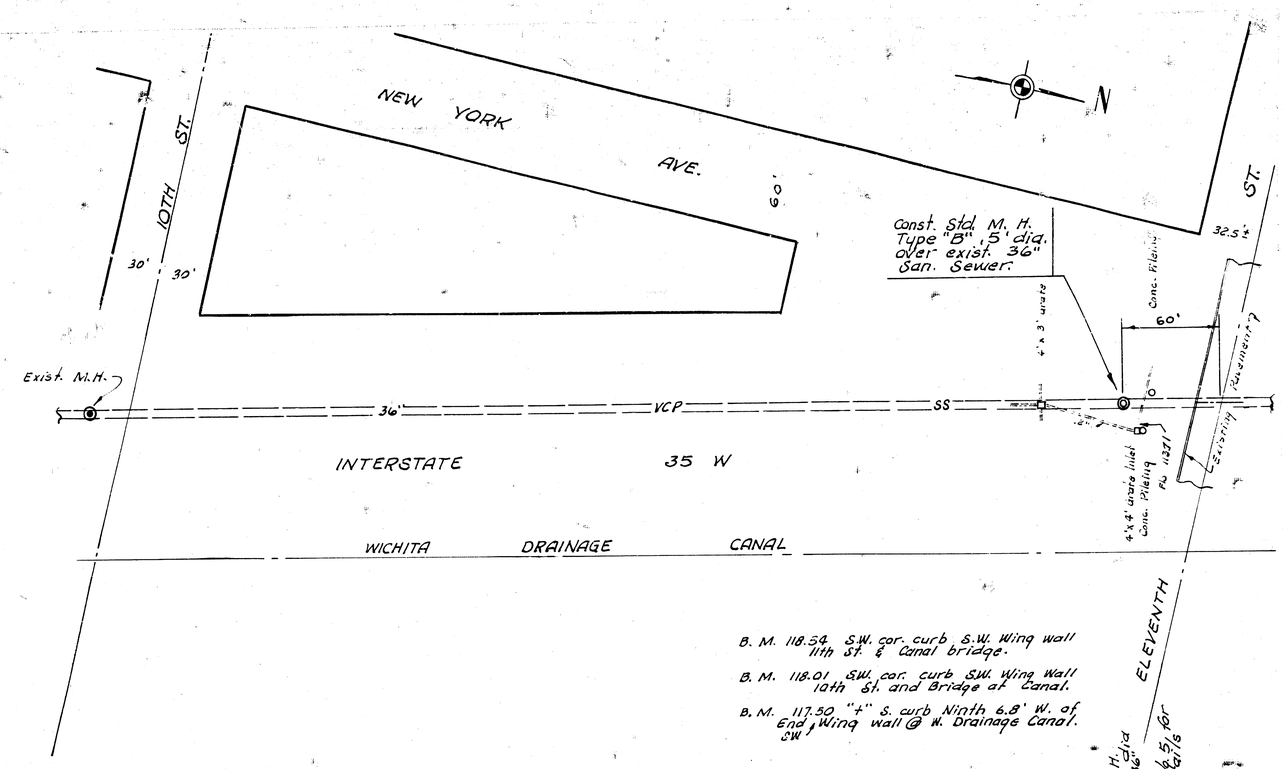
AUG. 1974 PROJECT NO. DBKL574069

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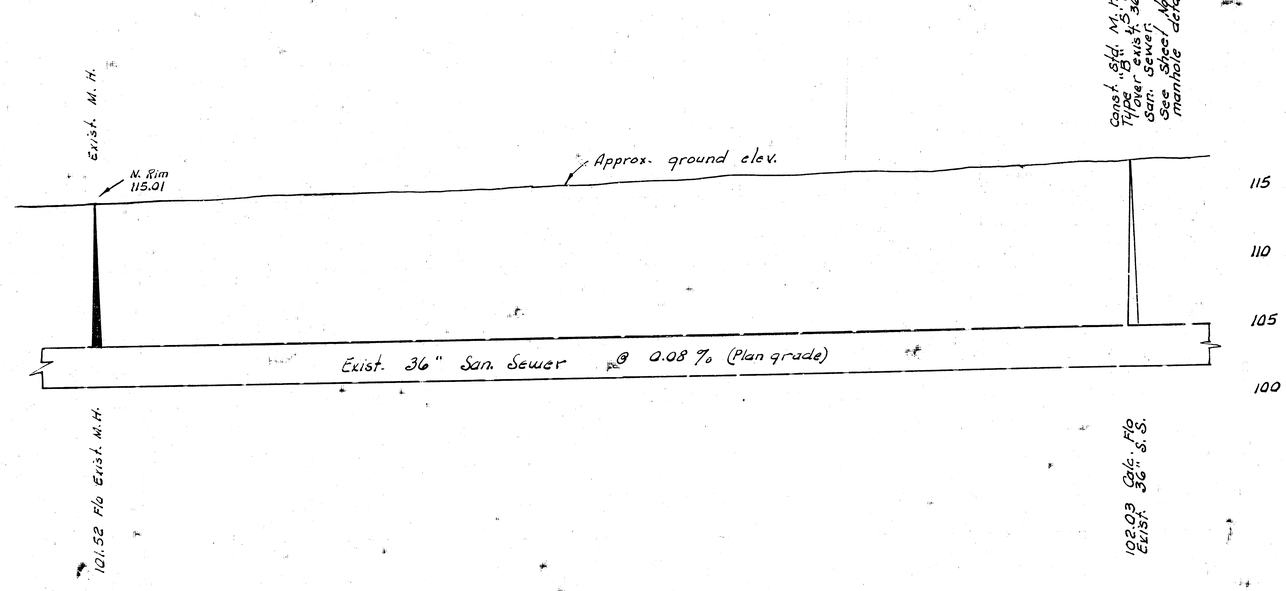




B. M. 118.54 S.W. cor. curb S.W. Wing wall 11th St. & Canal bridge.

B. M. 118.01 S.W. cor. curb S.W. Wing Wall 10th St. and Bridge at Canal.

B. M. 117.50 "+" S. curb Ninth 6.8' W. of End Wing wall @ W. Drainage Canal. SW



ALTERATION, REPAIR, RECONSTRUCTION OR CONSTRUCTION OF A SUPPLEMENTAL SEWER TO

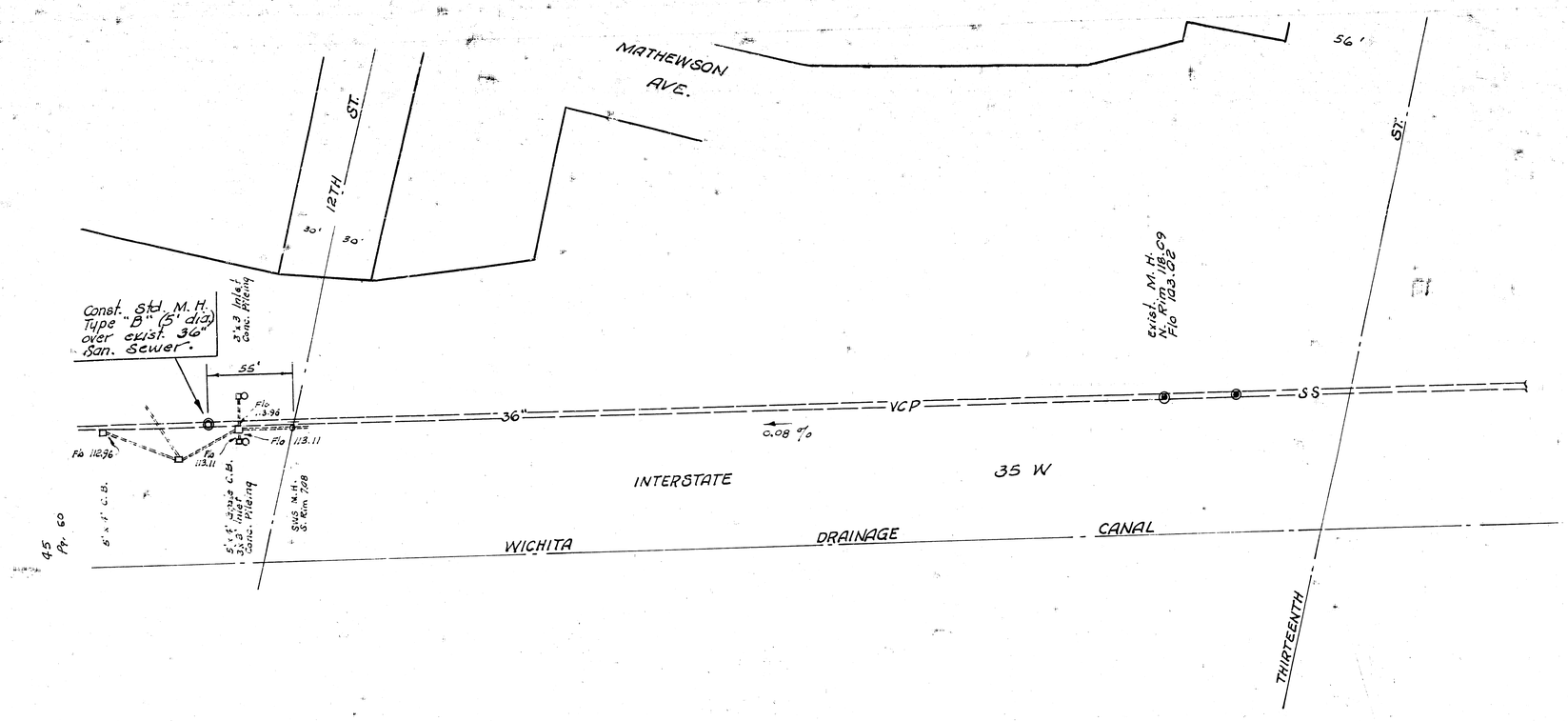
SAN. SEWER NO. 20

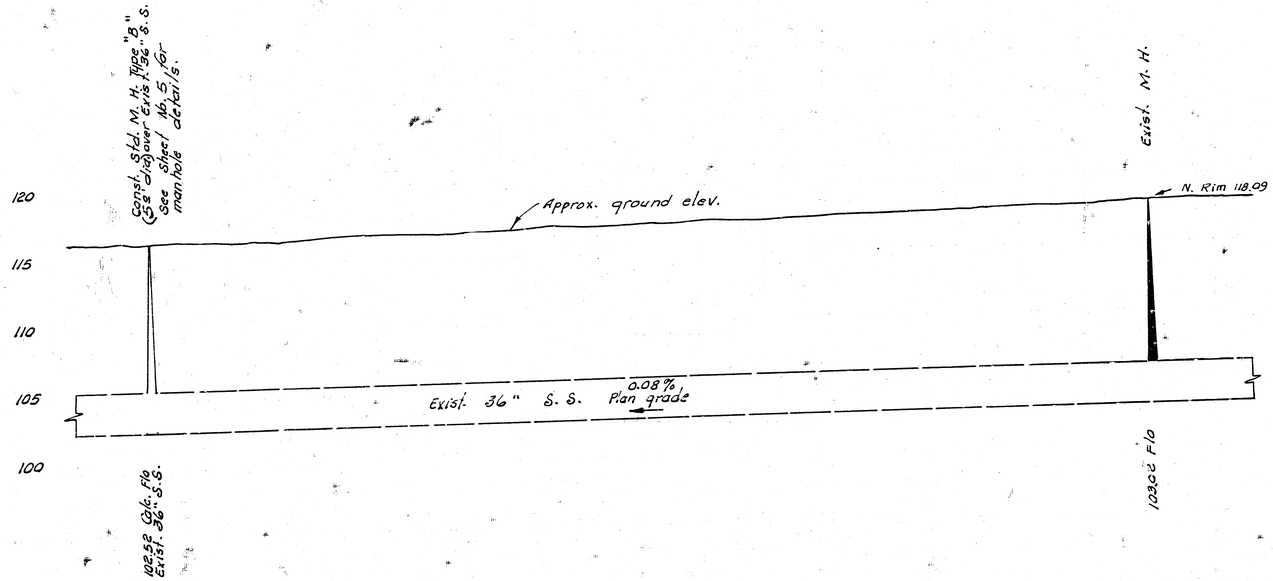
PROJECT NO. DBKL574069

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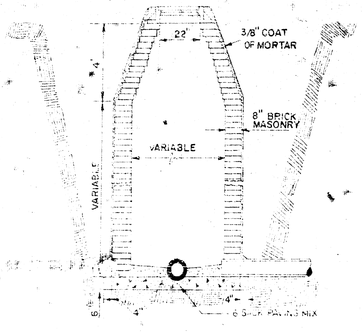
620

130
115
110
105
100

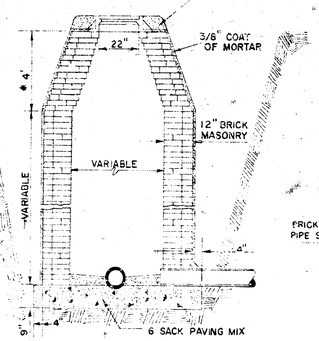
ALTERATION, REPAIR, RECONSTRUCTION OR CONSTRUCTION OF A SUPPLEMENTAL SEWER TO SAN. SEWER NO. 20
PROJECT NO DBKL574069

4/1 4/7

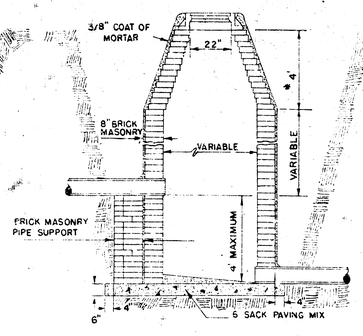
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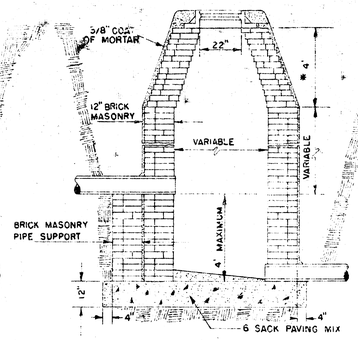
STANDARD MANHOLE
TYPE "A"



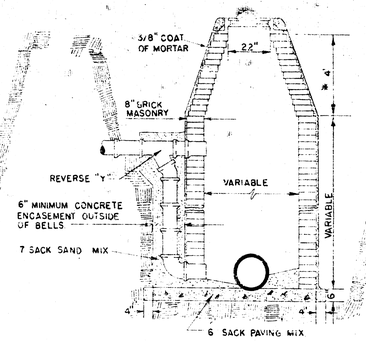
STANDARD MANHOLE
TYPE "B"



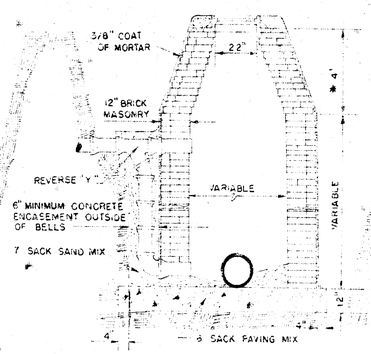
DROP MANHOLE
TYPE "A"



DROP MANHOLE
TYPE "B"

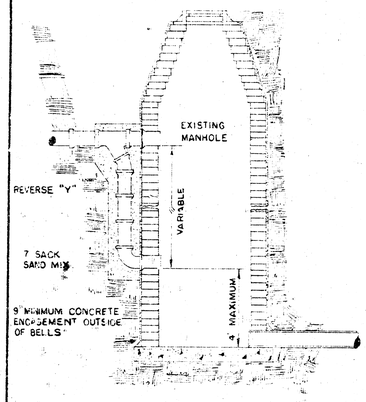


OUTSIDE DROP MANHOLE
TYPE "A"



OUTSIDE DROP MANHOLE
TYPE "B"

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

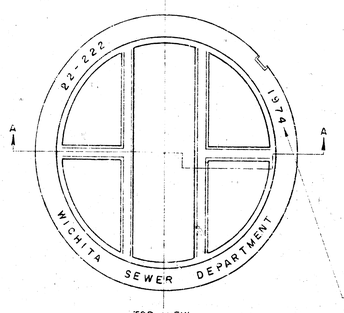


DETAIL OF DROP STACK

FOR EXISTING MANHOLES IN GROUND WATER

GENERAL NOTES

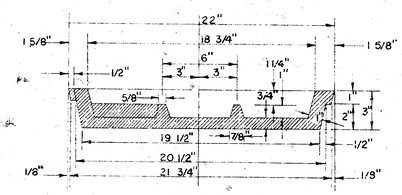
- MORTAR USED IN MASONRY CONSTRUCTION SHALL CONTAIN 8 SACKS OF CEMENT PER CUBIC YARD.
- STANDARD MANHOLES TYPE 'A' OR TYPE 'B' AND STANDARD DROP MANHOLES TYPE 'A' OR TYPE 'B' SHALL BE BID AS STANDARD MANHOLES FOR THE TYPE AND DIAMETER INDICATED. OUTSIDE DROP MANHOLES SHALL BE BID AS STANDARD OUTSIDE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



TOP VIEW

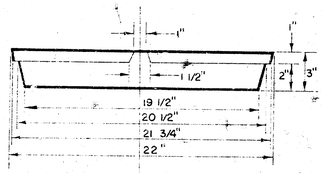
MANHOLE COVER

WEIGHT 110 LBS.



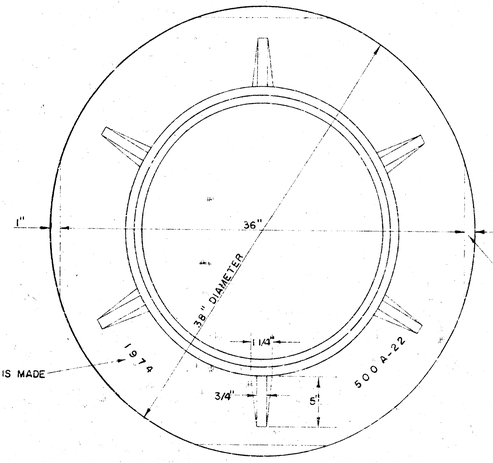
SECTION A-A

MANHOLE COVER



SIDE VIEW

MANHOLE COVER

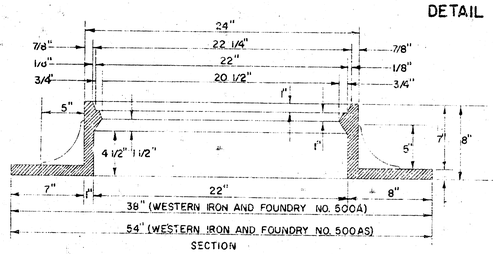


TOP VIEW

MANHOLE RING

WEIGHT 325 LBS. RING NO. 500A

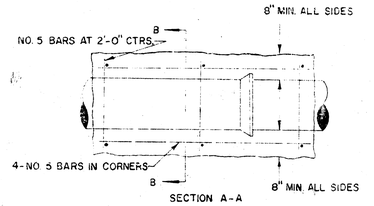
WEIGHT 800 LBS. RING NO. 500AS



SECTION

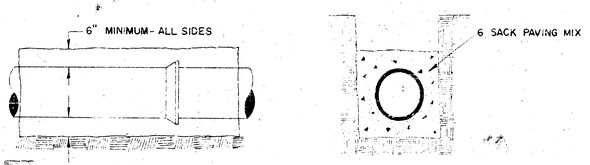
MANHOLE RING

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



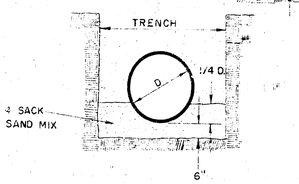
REINFORCED CONCRETE ENCASEMENT

FOR STRENGTH

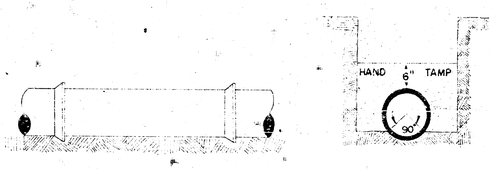


CONCRETE ENCASEMENT

FOR COVER

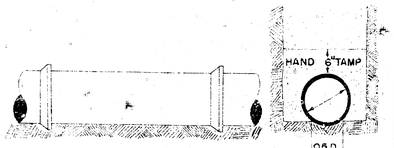


DETAIL OF CONCRETE CRADLE



ORDINARY BEDDING METOD

FOR CLAY PIPE



ORDINARY BEDDING METHOD

FOR REINFORCED CONCRETE PIPE

DETAILS OF

SEWER APPURTENANCES

ADOPTED AS STANDARD DESIGN

BY

ENGINEERING DIVISION

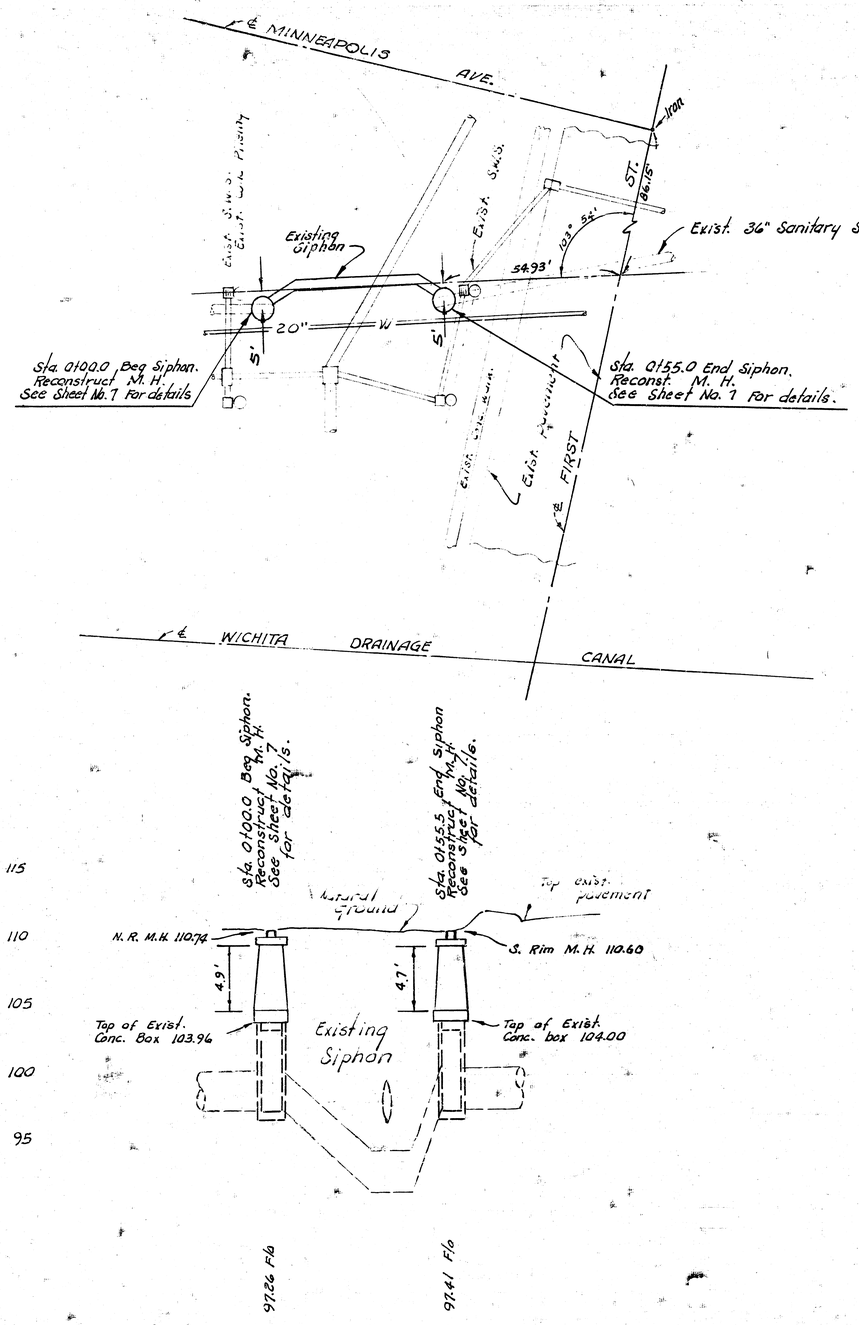
CITY OF WICHITA, KANSAS

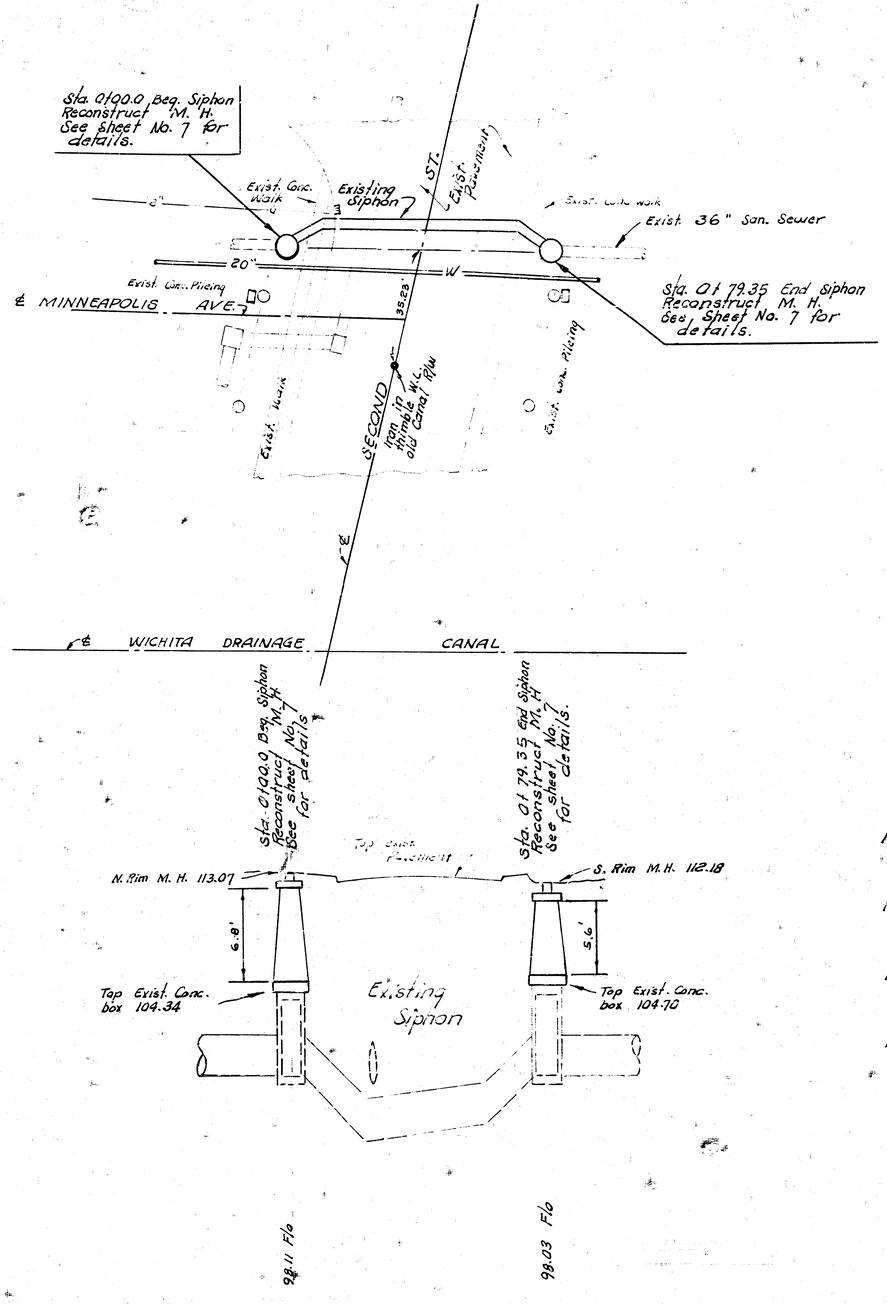
R. W. LINN CITY ENGINEER

1974

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N

Plan Scale 1" = 20'
Profile Scale 1" = 20' Horz.
1" = 5' Vert.

B. M. 111.89 N.W. 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.

A. R.
J.R.W.

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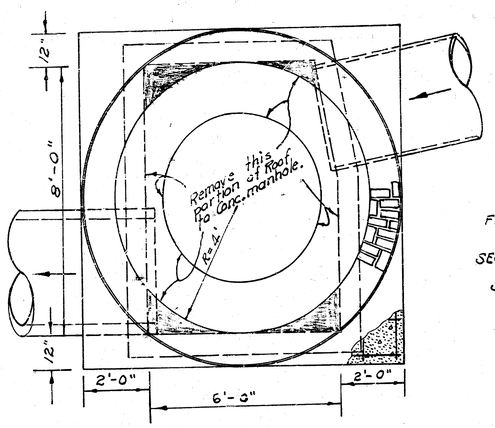
ALTERATION, REPAIR, RECONSTRUCTION OR CONSTRUCTION OF A SUPPLEMENTAL SEWER TO
SAN. SEWER NO. 20
PROJECT NO. DBK L 574069

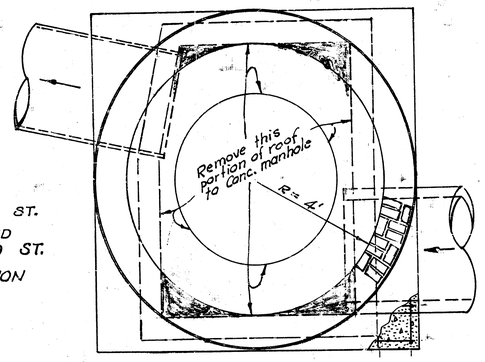
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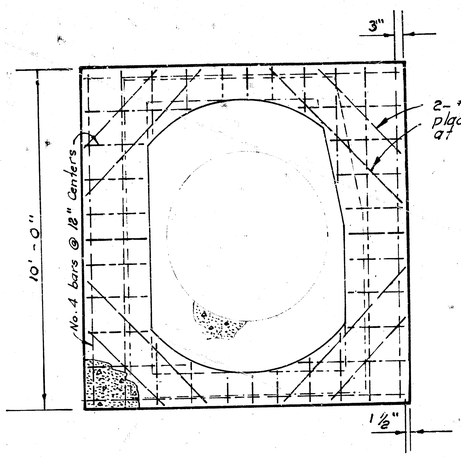
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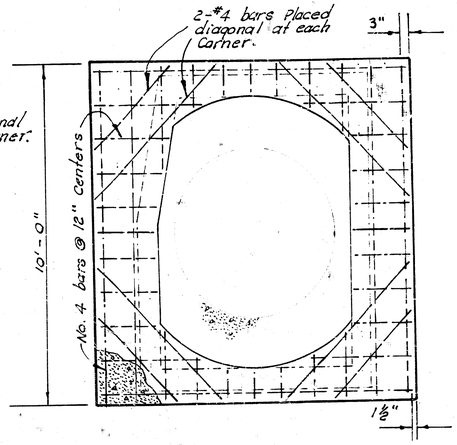
Scale 1/8" = 1'

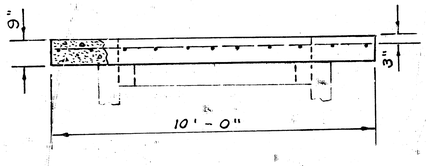


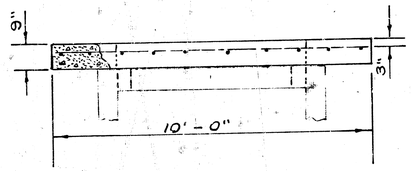


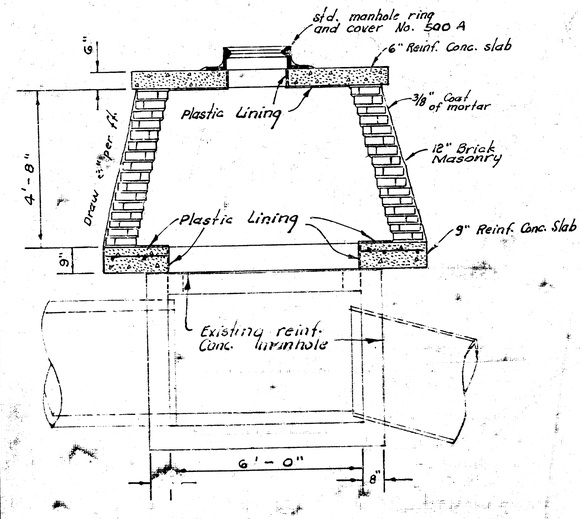
FIRST ST. AND SECOND ST. SIPHON

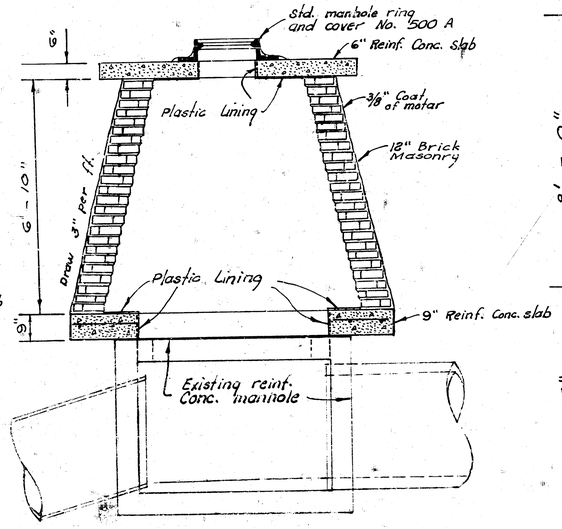


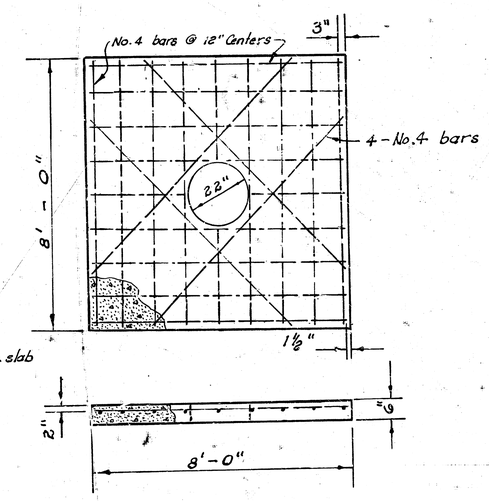












NOTE: CONTRACTOR TO USE EXISTING MANHOLE RINGS AND COVERS FOR SIPHON MANHOLE RECONSTRUCTION. CONTRACTOR TO REMOVE EXISTING BRICK STACKS ON SIPHON MANHOLES AND THAT PORTION OF THE TOP SLABS OF THE CONCRETE MANHOLES AS INDICATED BY PLANS. TOP SLABS OF CONCRETE MANHOLES AND BRICK STACKS ON SIPHON MANHOLES 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

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