

CITY OF WICHITA SEDGWICK COUNTY, KANSAS

CONSTRUCTION PLANS FOR LATERAL 18 - MAIN 3 - WESTLINK SEWER

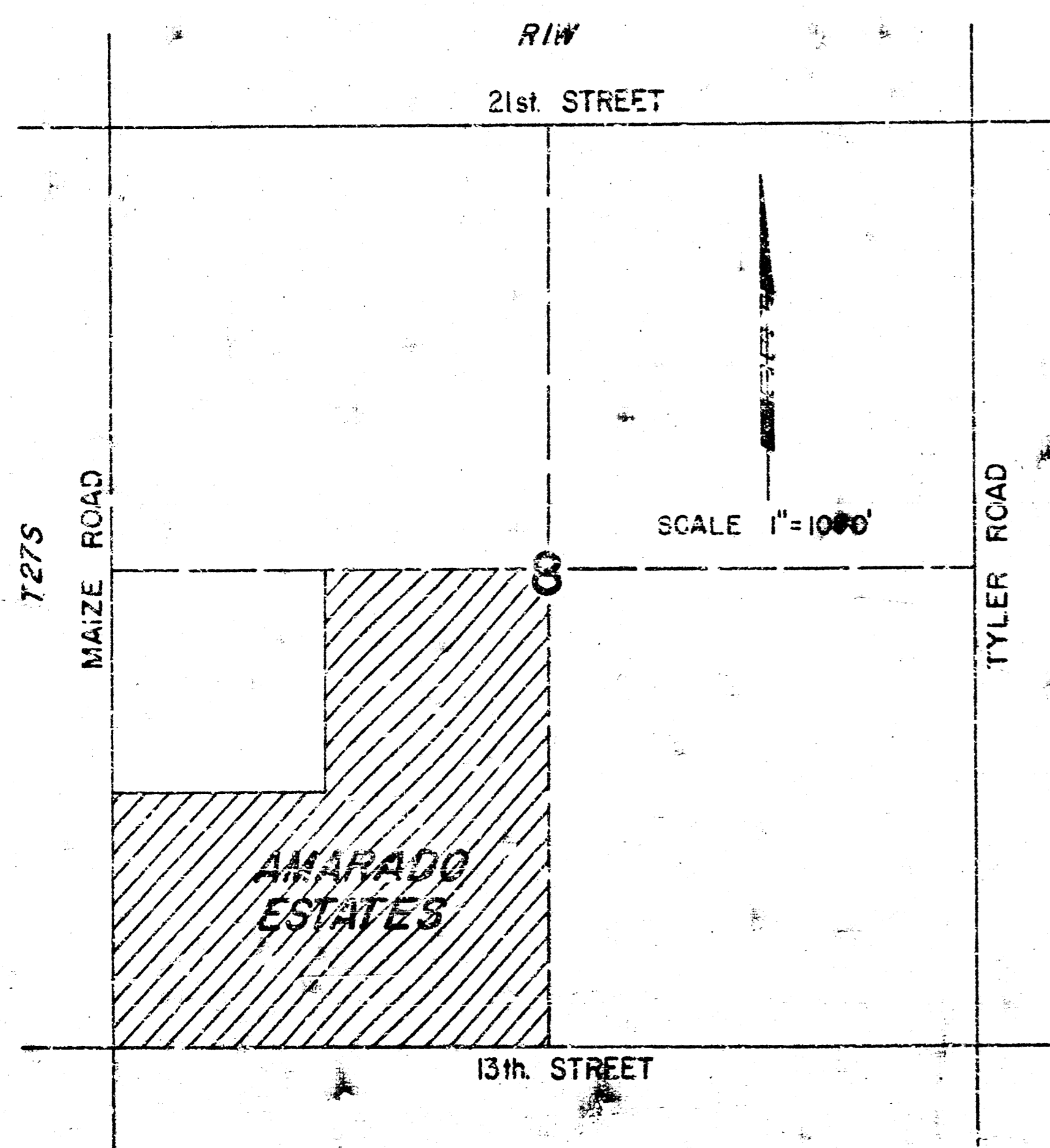
CITY PROJECT NOS.

DBKL 575057

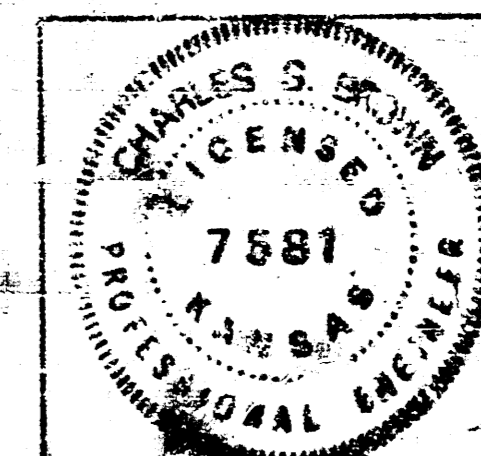
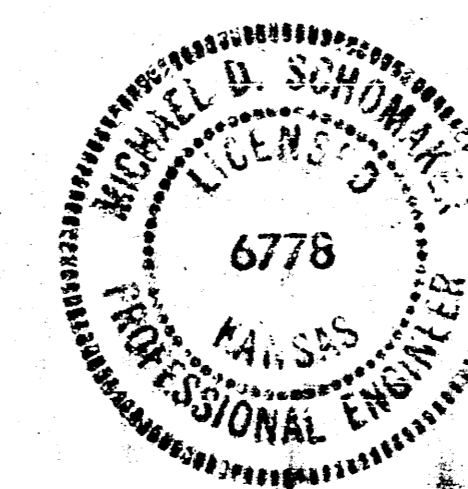
468-76-245-80207-000-000-001

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- 2. KEY MAP & SCHEDULE
- 3-4. SEWER DETAILS
- 5-8. PLAN & PROFILES



PROFESSIONAL ENGINEERING CONSULTANTS, P.A.
ENGINEERS
WICHITA, KANSAS



AS BUILT 4/1/75

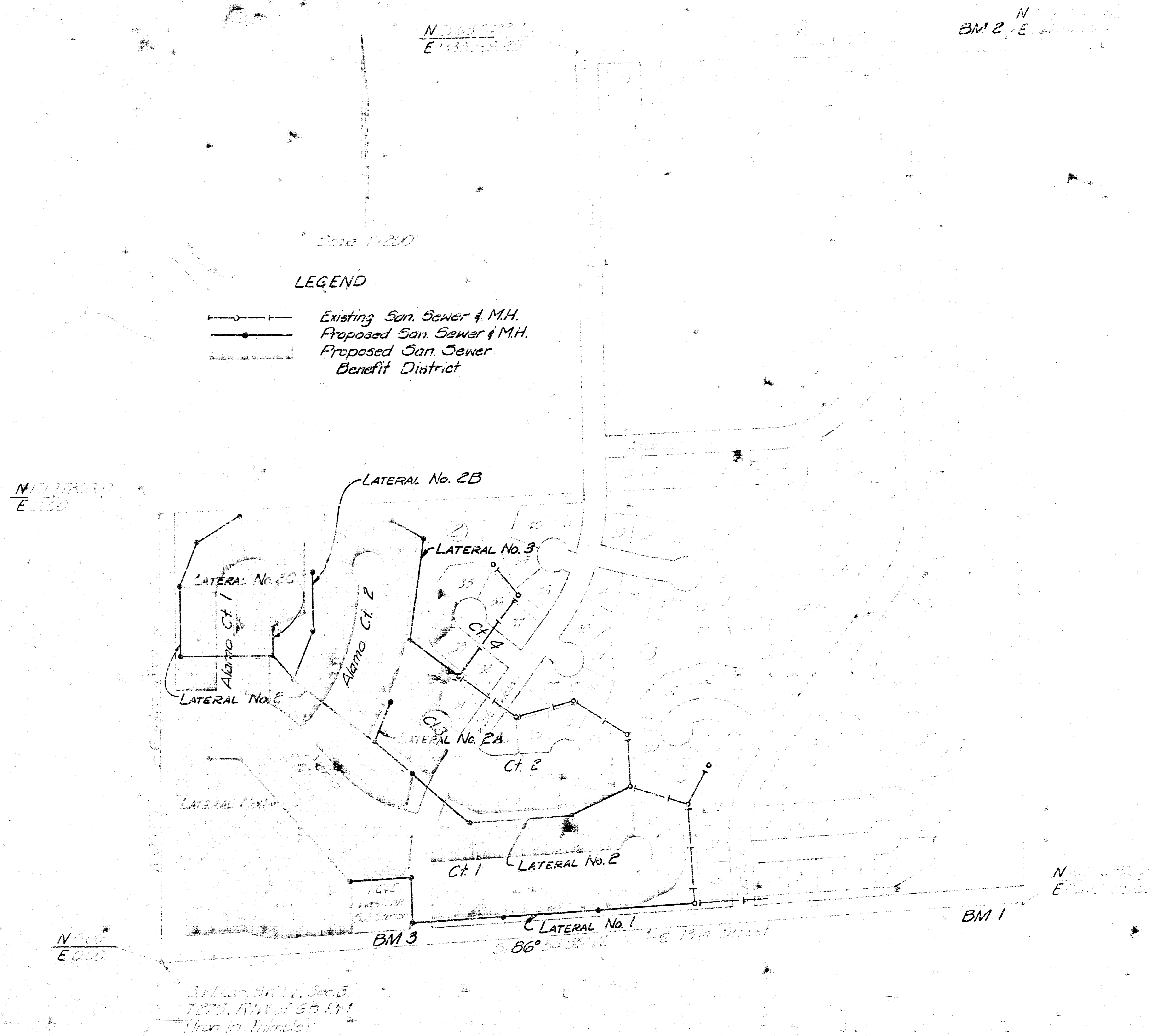
No.	Revision	By	Date

AMARADO ESTATES - PHASE II
TITLE SHEET
SANITARY SEWER IMPROVEMENTS
PROFESSIONAL ENGINEERING CONSULTANTS

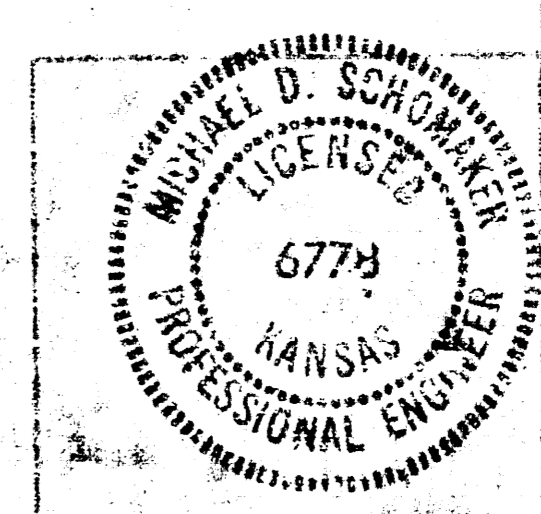
SEWER LINE SCHEDULE	
LINE	SHEET NO.
LATERAL NO. 1	5,6
LATERAL NO. 2	6,7
LATERAL NO. 2A	7
LATERAL NO. 2B	8
LATERAL NO. 2C	8
LATERAL NO. 3	8

GENERAL NOTES

1. All elevations are City of Wichita Datum
2. All Manholes to be Standard City of Wichita Type A or C, 4ft. in diameter.
3. All materials and construction of Manholes and sewers shall be in accordance with the City of Wichita Specifications for these items.
4. All sewer line measurements are from \pm Manhole to \pm Manhole
5. Top of Manhole Elevations to be adjusted to match finished grade by the Contractor.
6. Where the contractor is required to break into an existing manhole or modify an existing manhole to install a sewer lateral, all work, materials, labor and appurtenances to complete this work will be subsidiary to the price bid for pipe.
7. Gas line sizes, locations, and depths supplied by Arkla Gas Co. and have not been verified by Survey.
8. Electrical as provided by K&E and not verified by Survey.

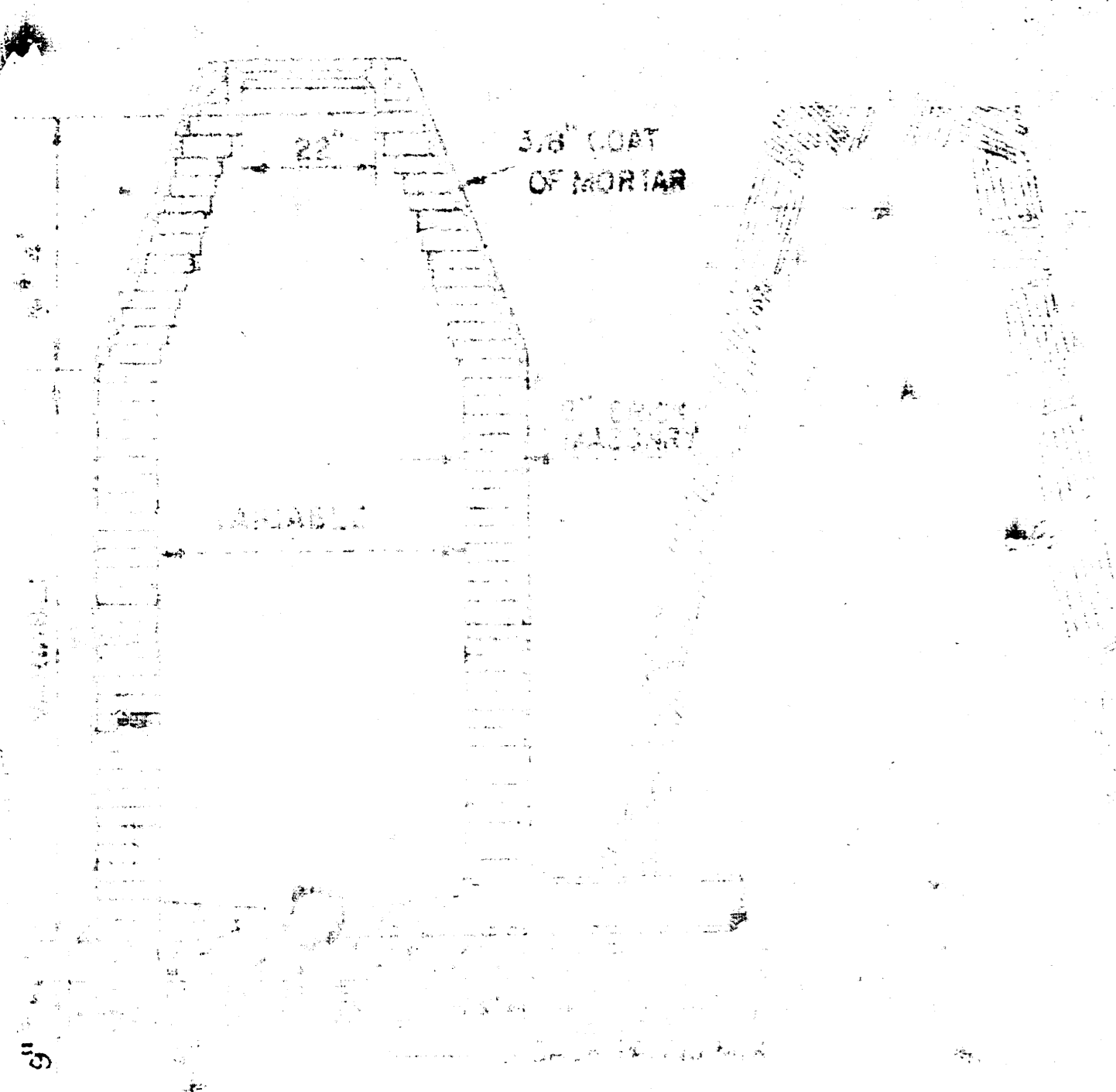


BM#1 City Sid. Top of Handrail NW Cor. R.C.B.C. at
 13th St. 185' W of S. $\frac{1}{4}$ Cor. Sec. 8 Elev. 155.67
 BM#2 P.R. Spike in Hedge Stump near Center
 Sec. 8 Elev. 160.72
 BM#3 Top of the SW bolt in base of P.F. 1277' W.
 of \pm Valleyview, 41' N. \pm 13th Street Elev. 157.05

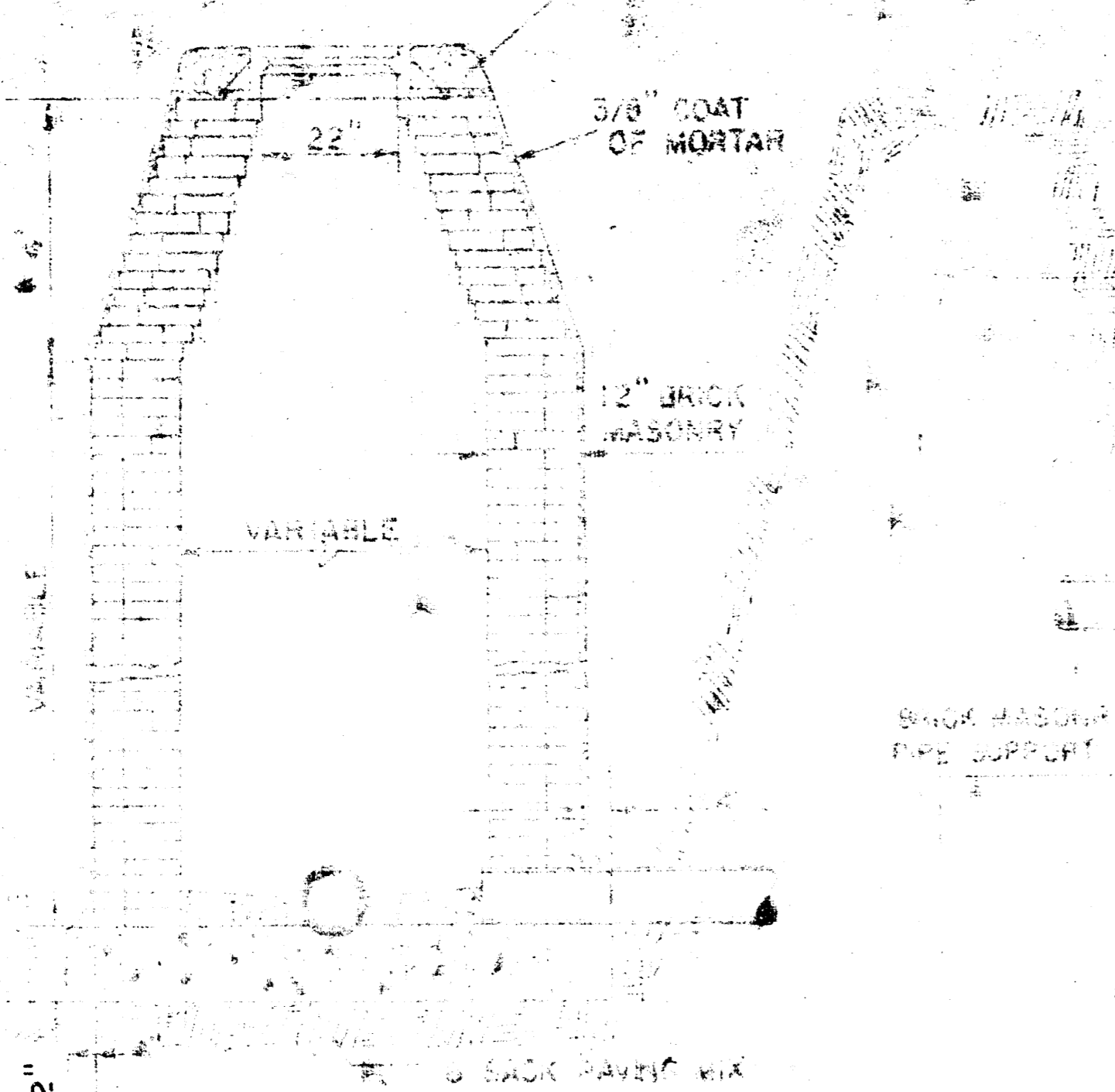


AMARADO ESTATES SANITARY SEWERS
 AMARADO INVESTMENT COMPANY, INC.
KEY MAP & SCHEDULE

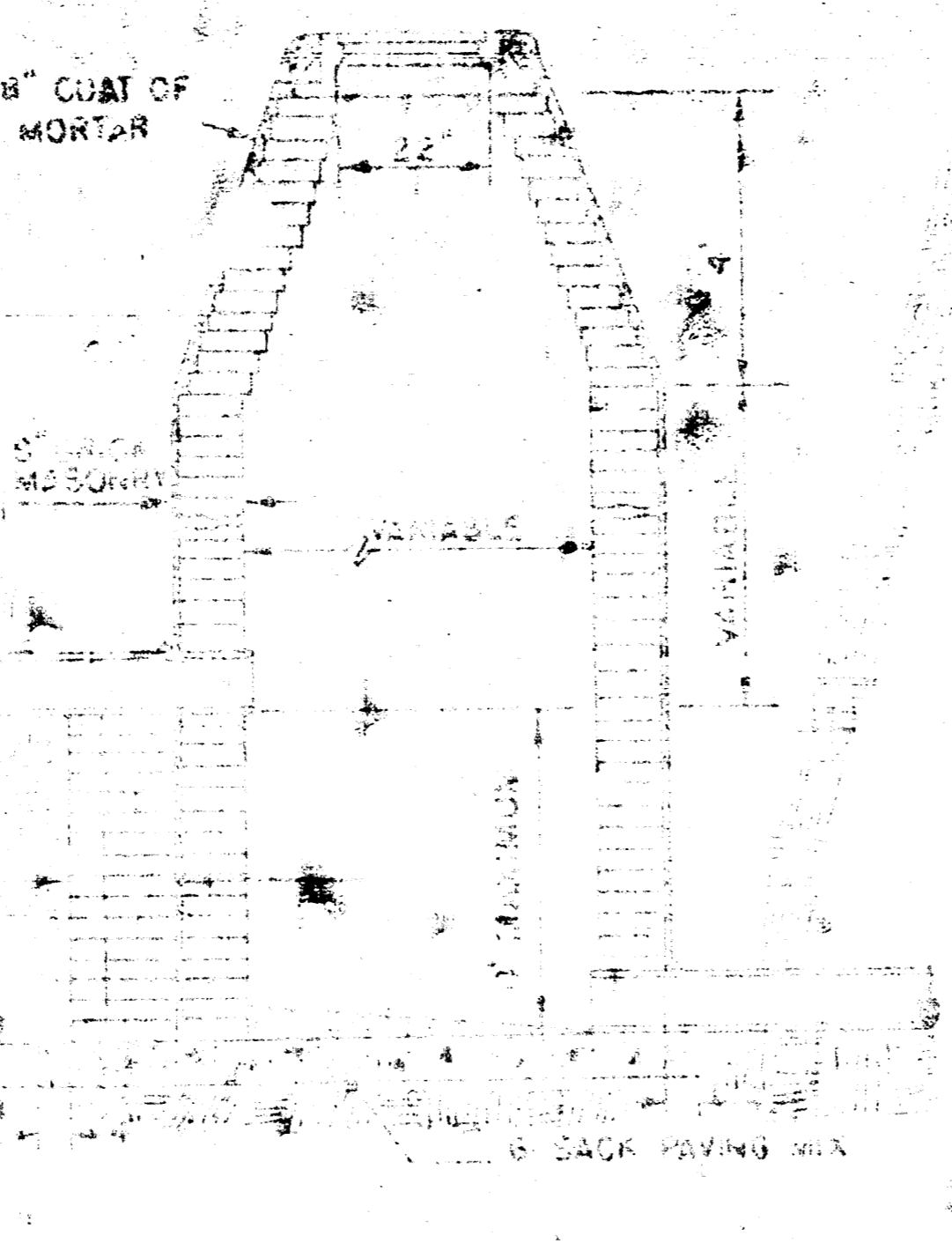
CRADLE TO BE PLACED AROUND MANHOLE RING ONLY WHEN MANHOLE IS CONSTRUCTED IN UNPAVED AREAS (TYPICAL ALL MANHOLES)



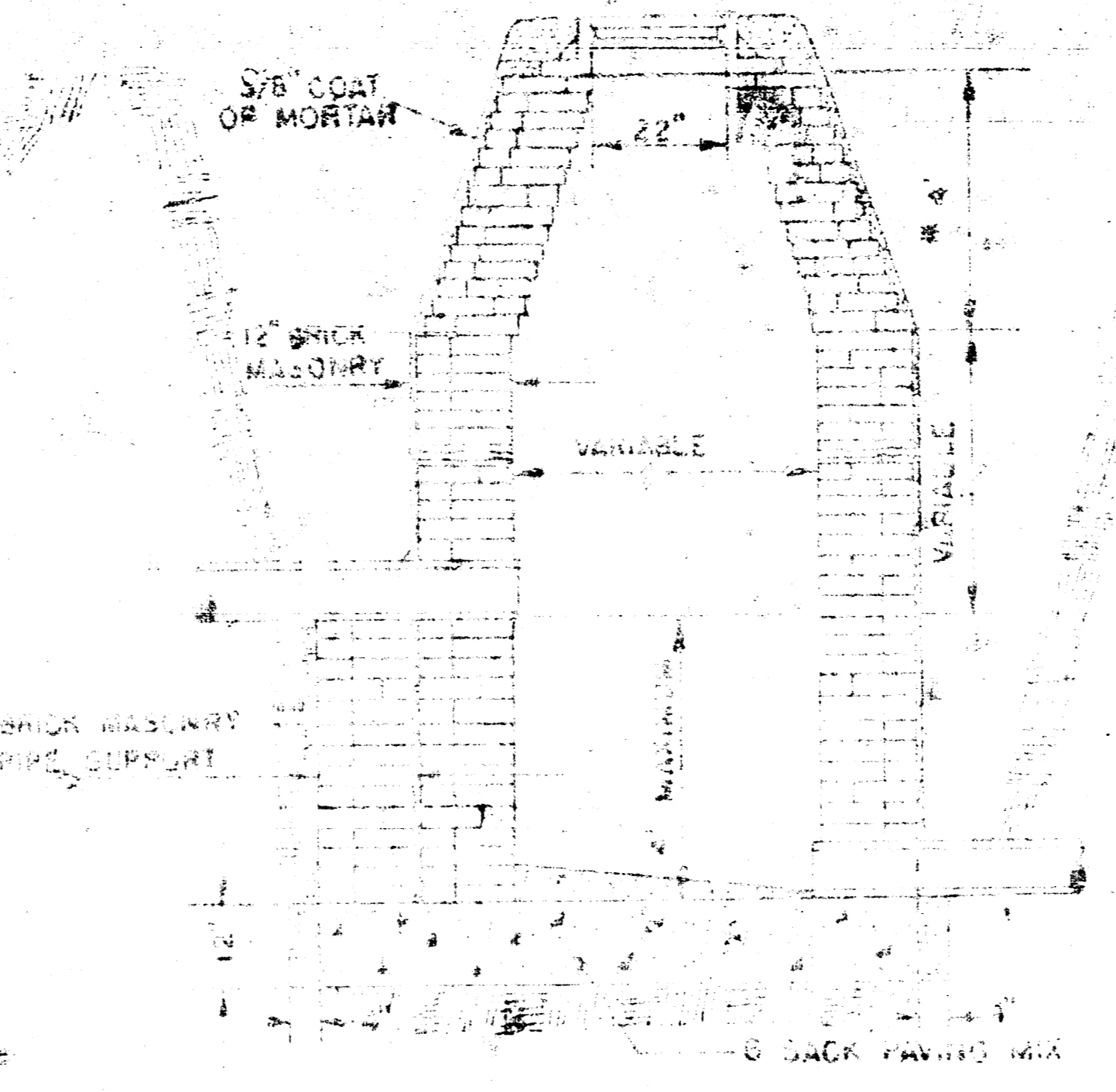
STANDARD MANHOLE TYPE "A"



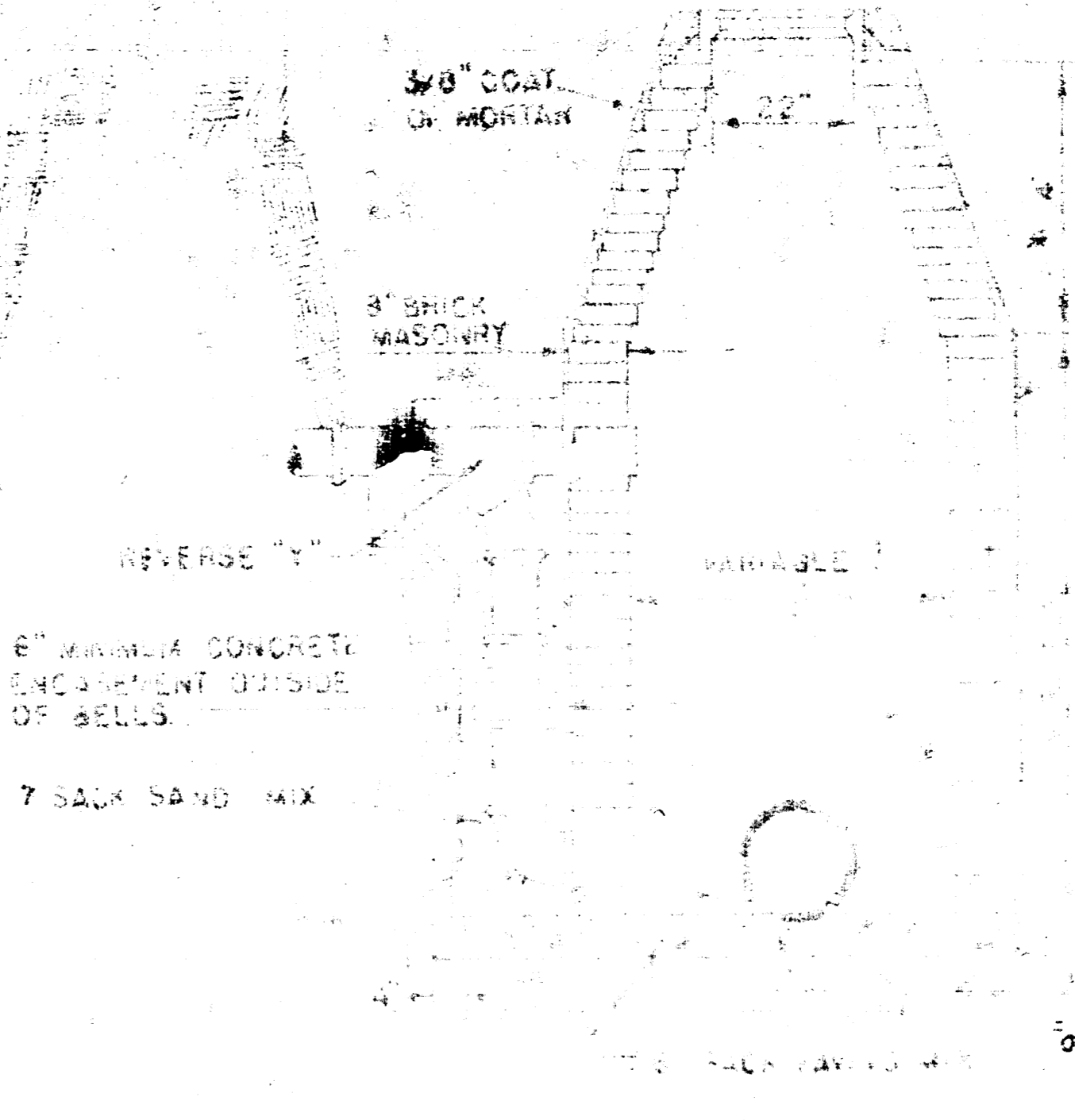
STANDARD MANHOLE TYPE "B"



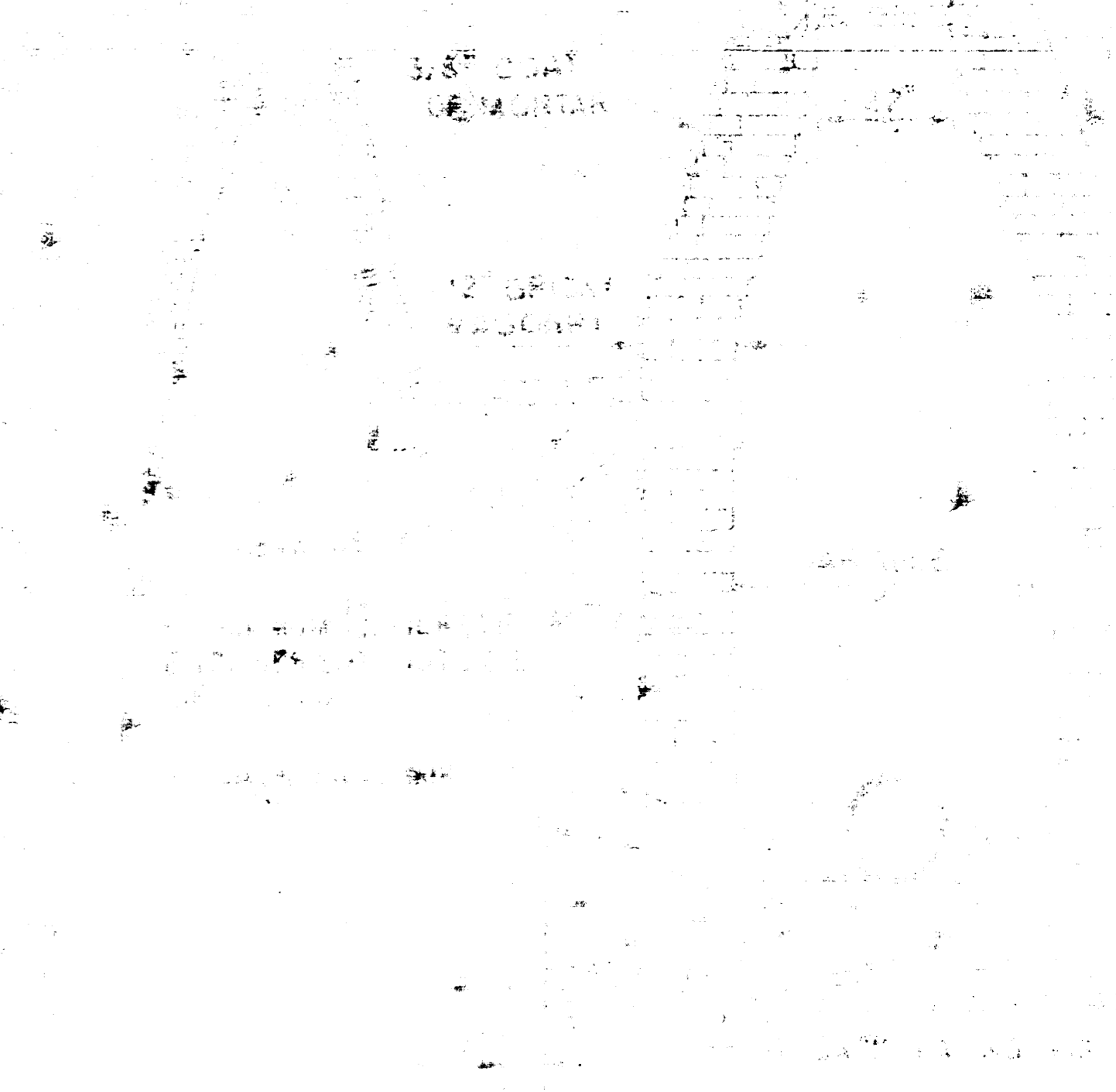
DROP MANHOLE TYPE "A"



DROP MANHOLE TYPE "B"



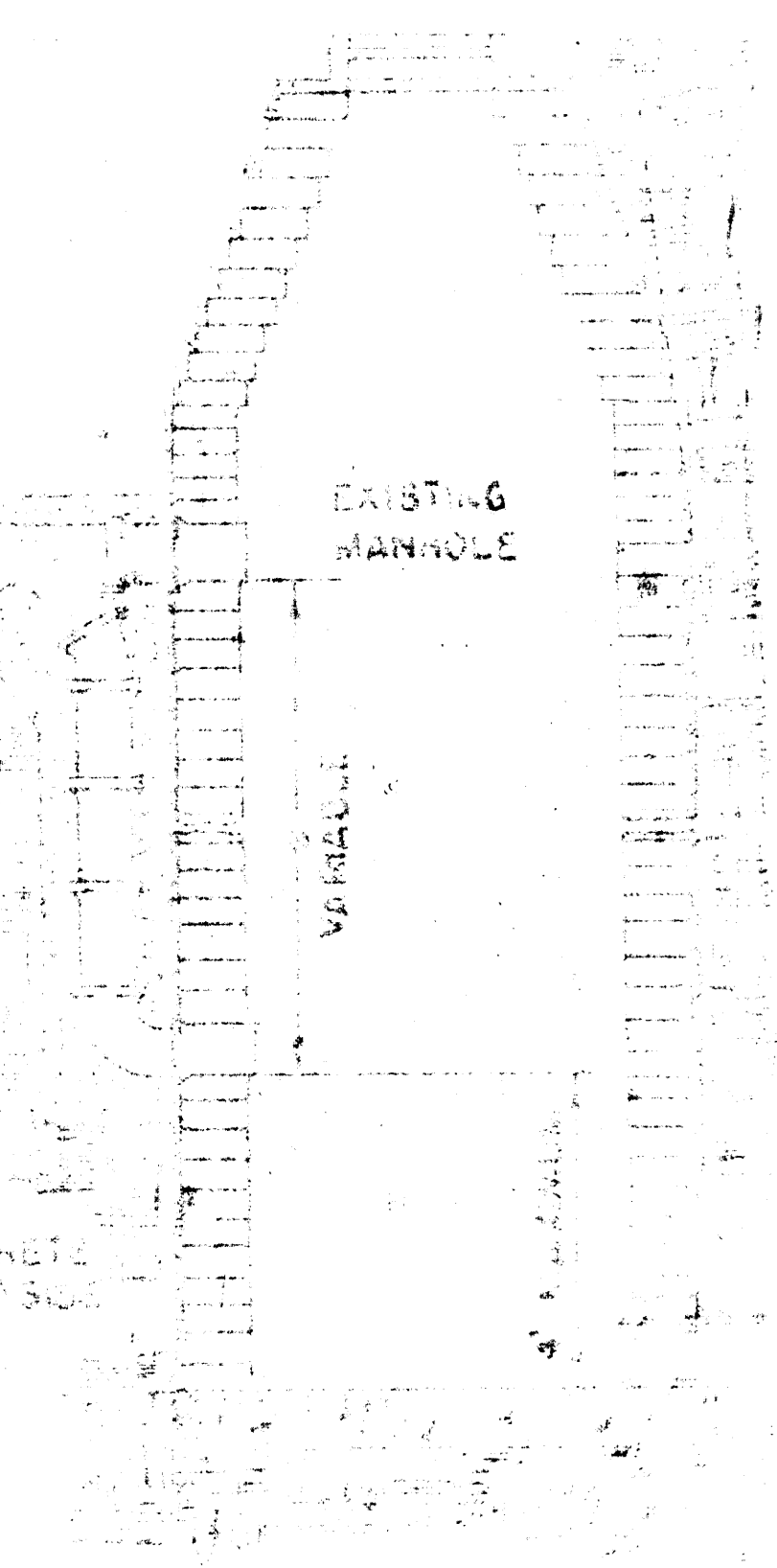
OUTSIDE DROP MANHOLE TYPE "A"



OUTSIDE DROP MANHOLE TYPE "B"

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" CENTER IN BOTH DIRECTIONS. THE COST OF REINFORCING STEEL IS TO BE INCLUDED IN THE PRICE BID FOR THE MANHOLE.

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

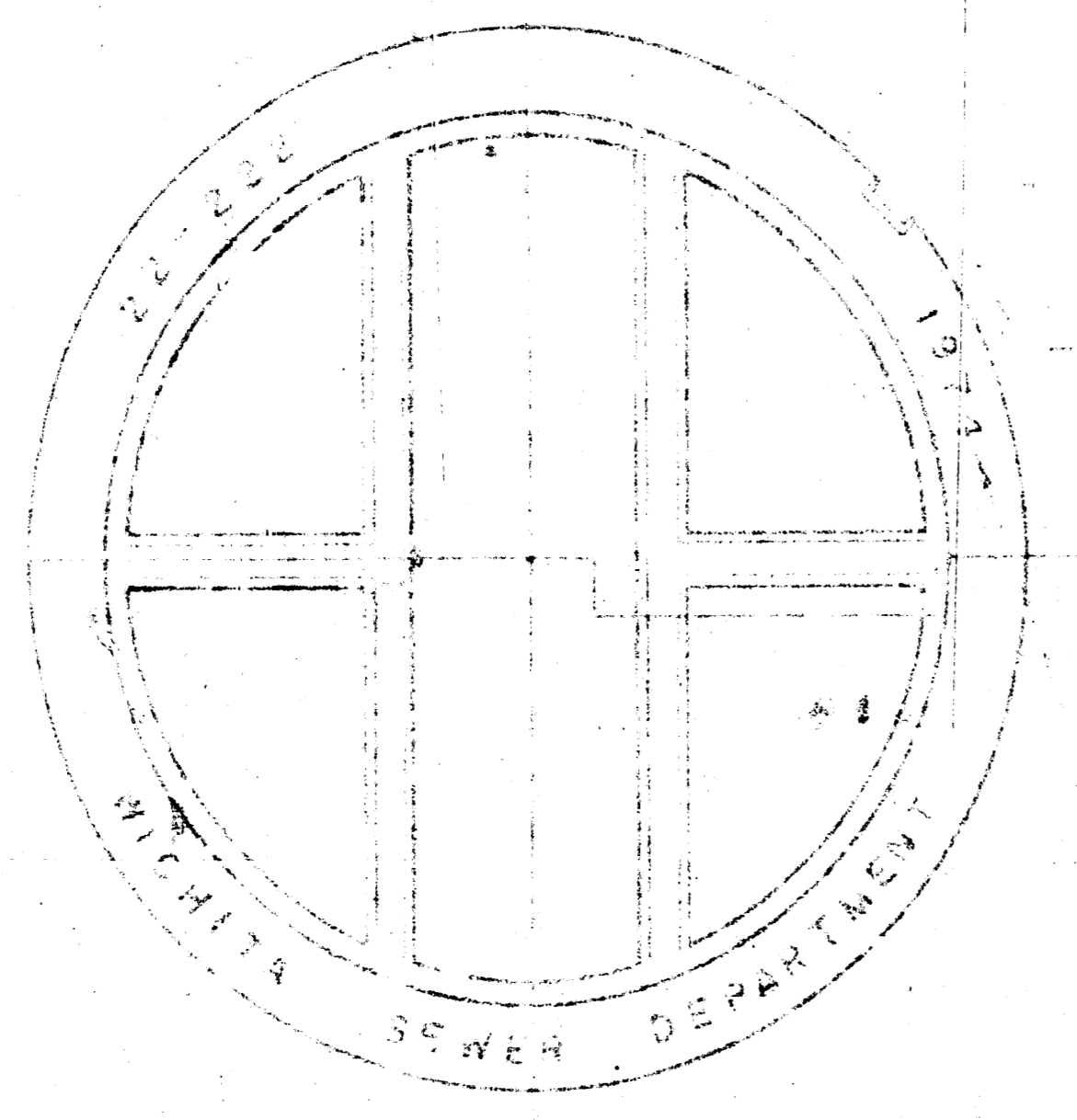


DETAIL OF DROP STACK

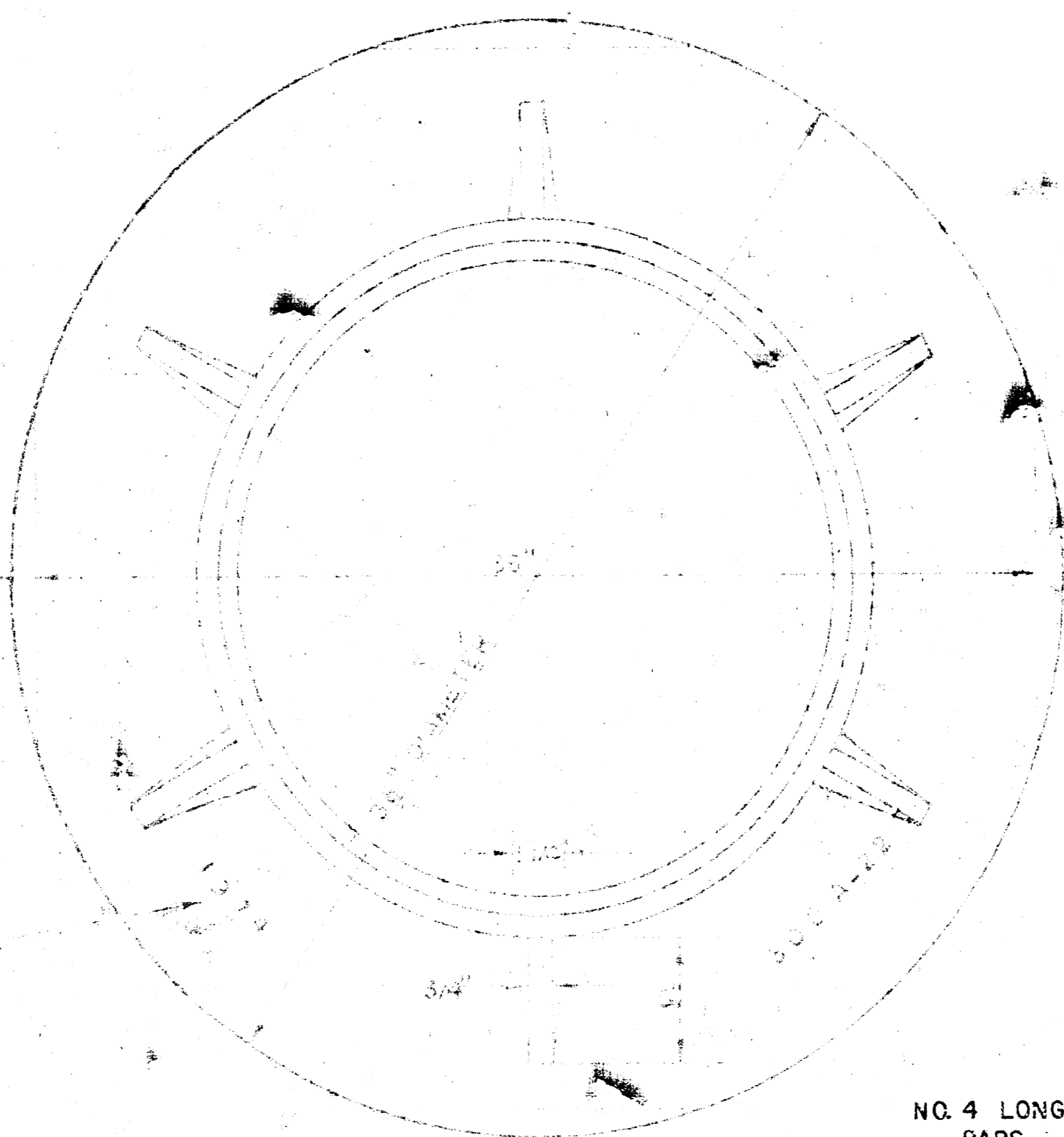
EXISTING MANHOLES IN GROUND WATER

GENERAL NOTES

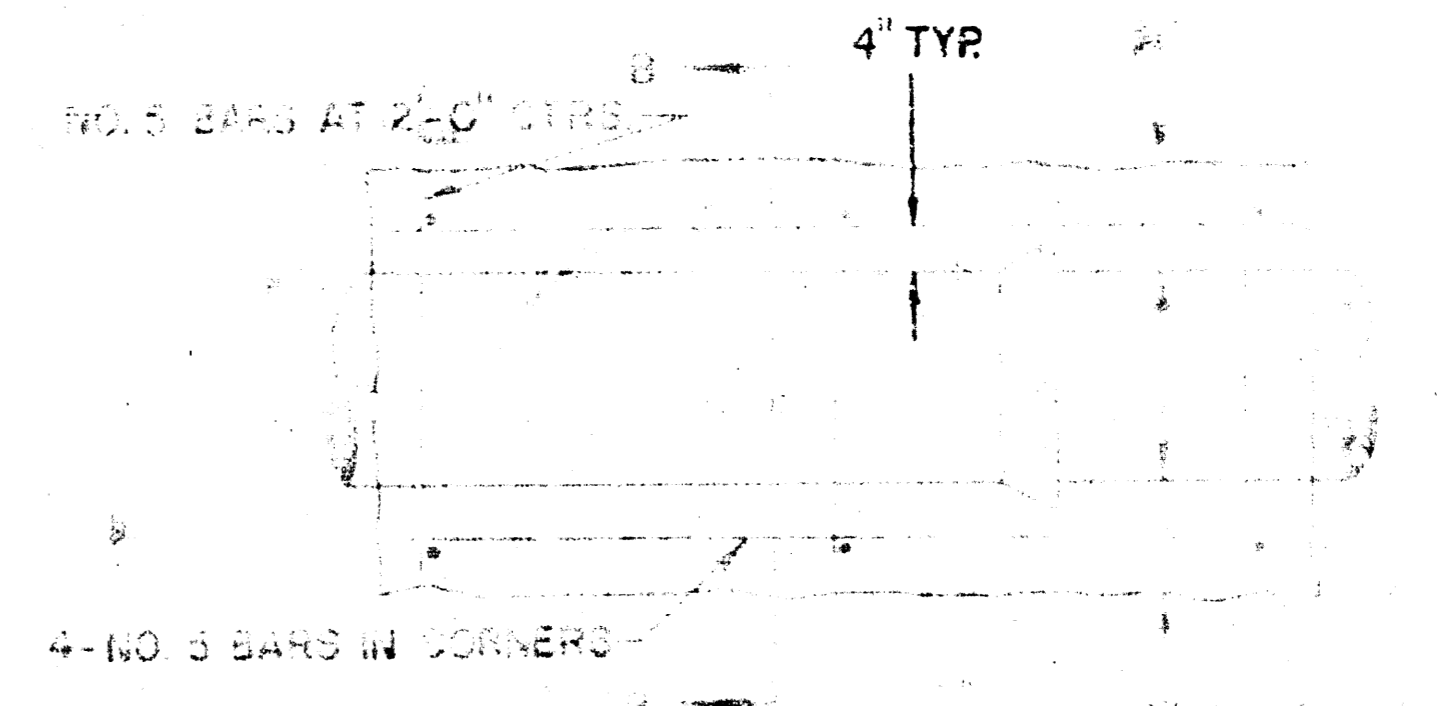
ALL MASONRY CONSTRUCTION SHALL CONTAIN 1 PART CEMENT PER CUBIC YARD OF MORTAR. TYPE A OR TYPE B AND STANDARD MANHOLES TYPE W OR TYPE B SHALL BE 48" DIA. MANHOLES FOR THE TYPE AND DIAMETER INDICATED. DROP MANHOLES SHALL BE 30" DIA. STANDARD OUTSIDE MANHOLES FOR THE TYPE AND DIAMETER INDICATED. ALL DIAMETERS WILL BE 4" UNLESS INDICATED OTHERWISE. ALL WITH PIPE SIZES LARGER THAN 24" SHALL BE 6" DIA. ALL MANHOLES SHALL BE SHAPED TO INSURE FULLY EFFICIENT 8" SACK SAND MIX CONCRETE. CRADLE WITHIN MANHOLE EXCAVATION SHALL BE RADIATED TO THE LIMITS OF THE EXCAVATION. COST OF CRADLE WITHIN MANHOLE EXCAVATION SHALL BE INCLUDED IN THE PRICE BID FOR THE MANHOLE.



TOP VIEW
MANHOLE COVER
WEIGHT 40 LBS.



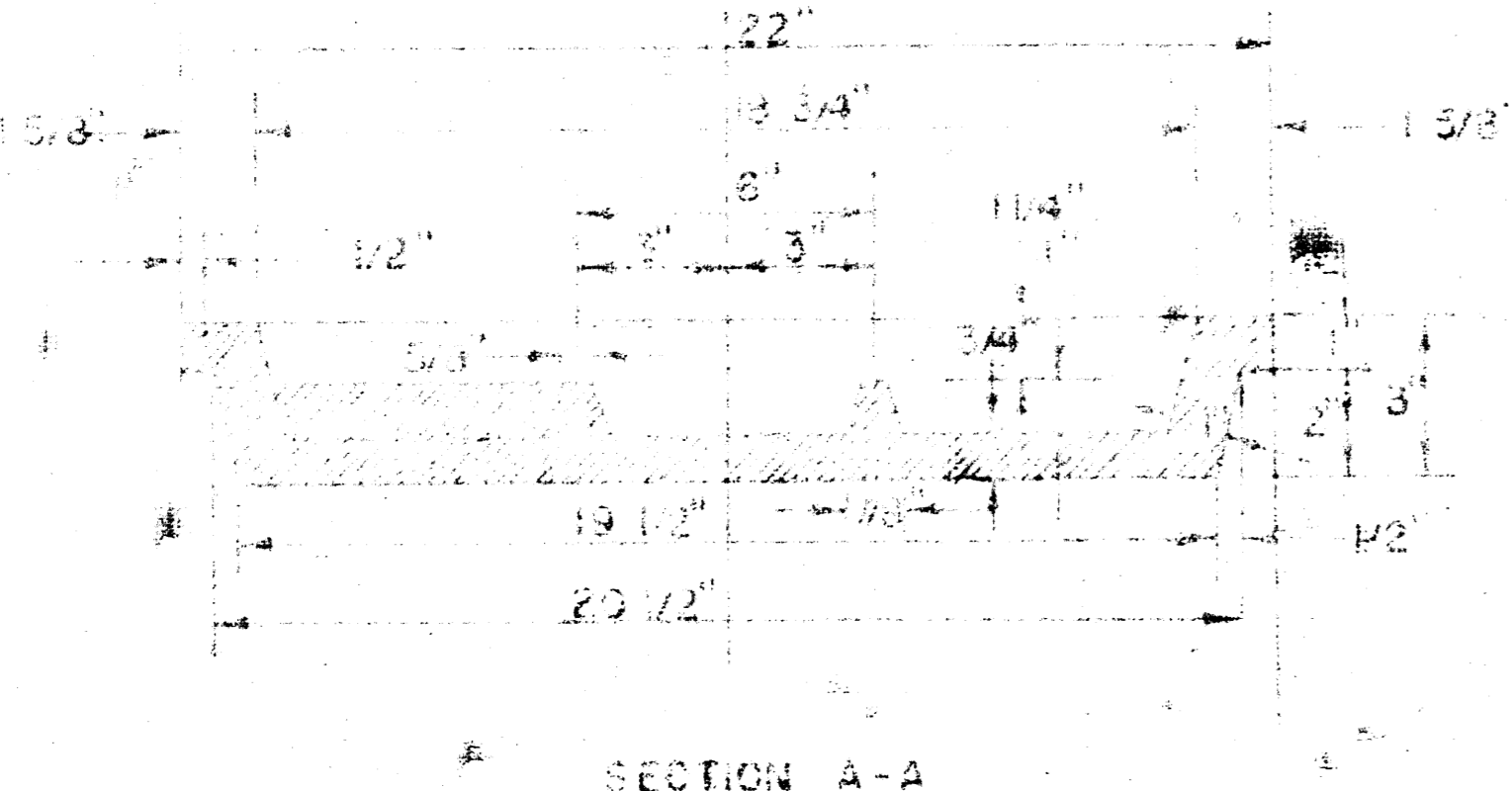
TOP VIEW
MANHOLE RING
WEIGHT 325 LBS. RWIS NO. 5004A
WEIGHT 300 LBS. RWIS NO. 5004B



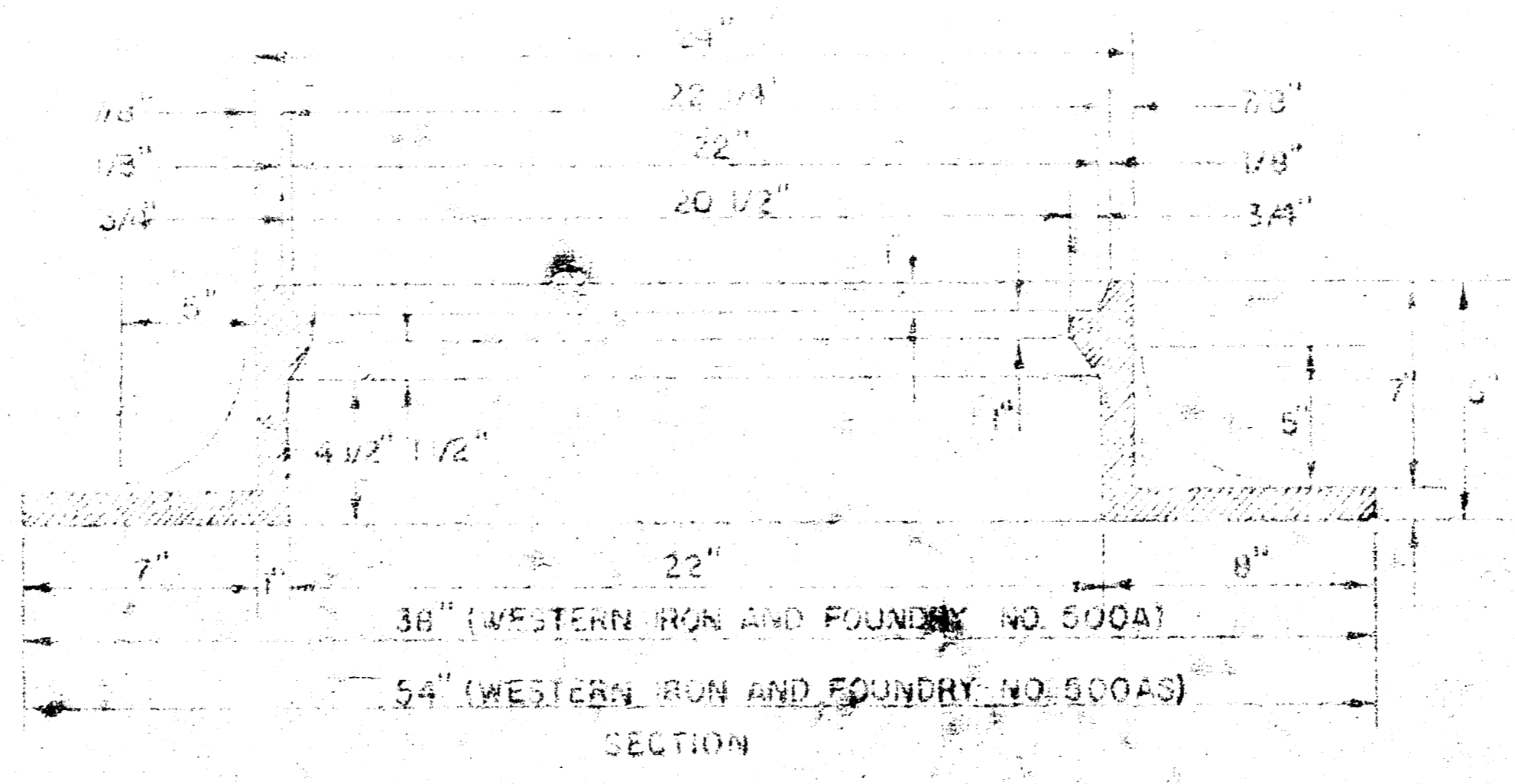
SECTION A-A
REINFORCED CONCRETE ENCASUREMENT



DETAIL OF CONCRETE GRADE



SECTION A-A
MANHOLE COVER



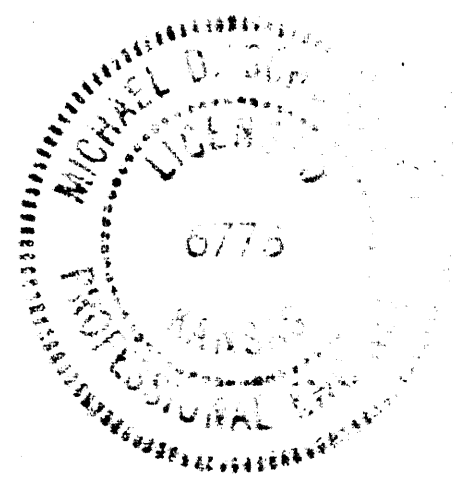
SECTION
MANHOLE RING

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

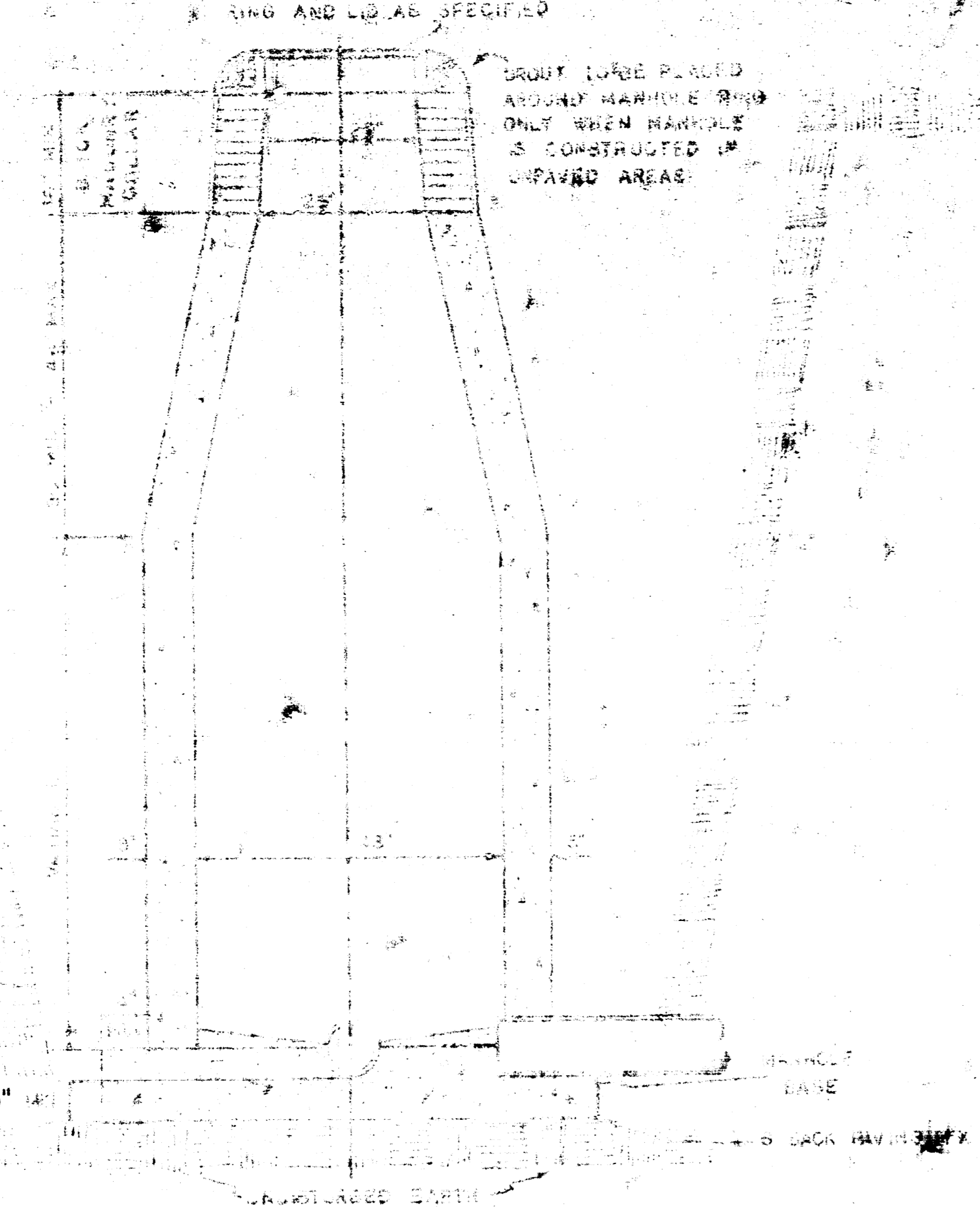
** NOTE: For A.B.S. pipe bedding method, see Sheet No. 4. For V.C.P. bedding detail see City of Wichita specifications.

ORDINARY BEDDING METHOD **
STORM SEWER PIPE

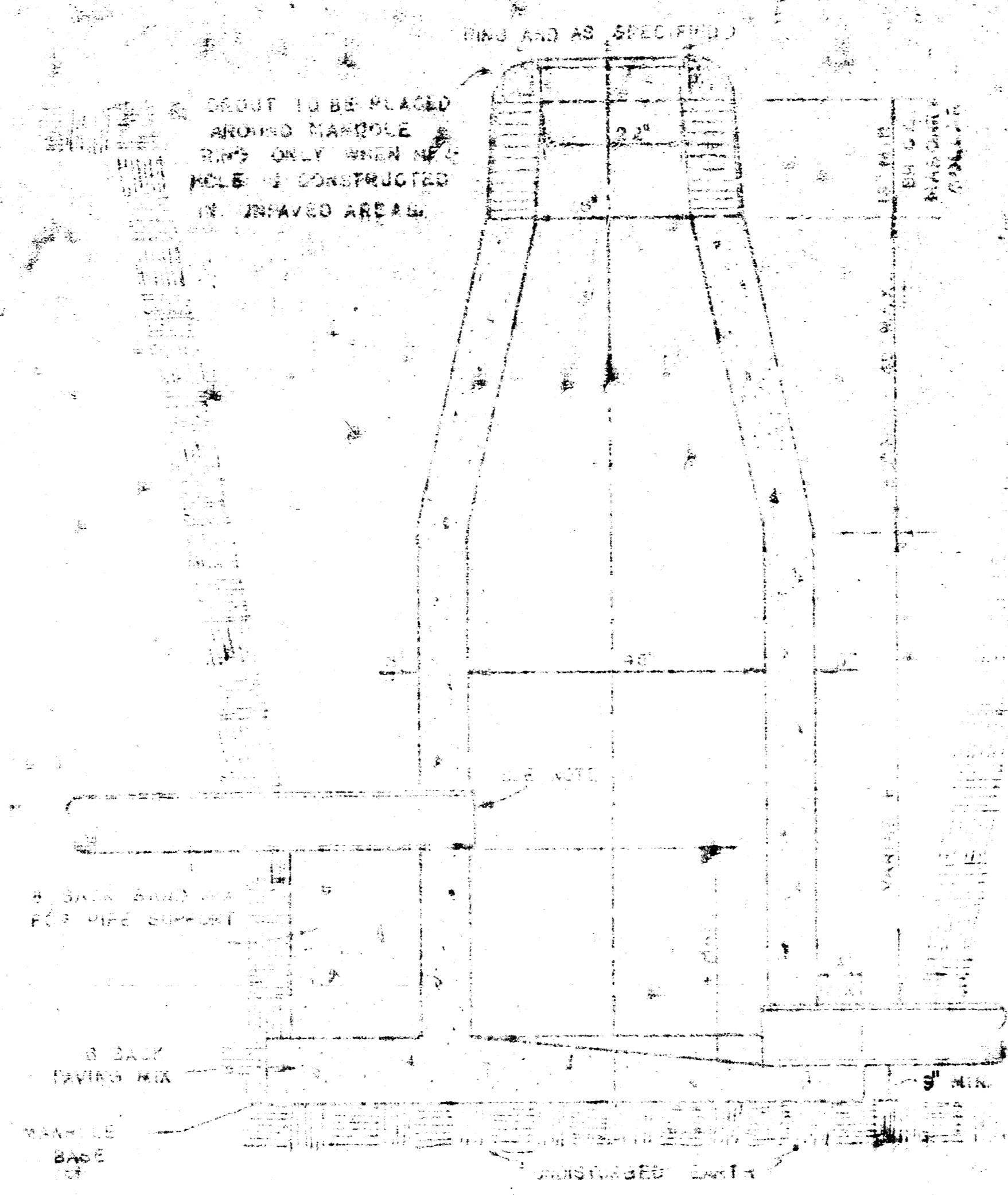
PROFESSIONAL ENGINEERING CONSULTANTS
INCORPORATED
DETAILS OF
SEWER APPURTENANCES
ADOPTED AS STANDARD DESIGN
BY
ENGINEERING DIVISION
CITY OF WICHITA, KANSAS



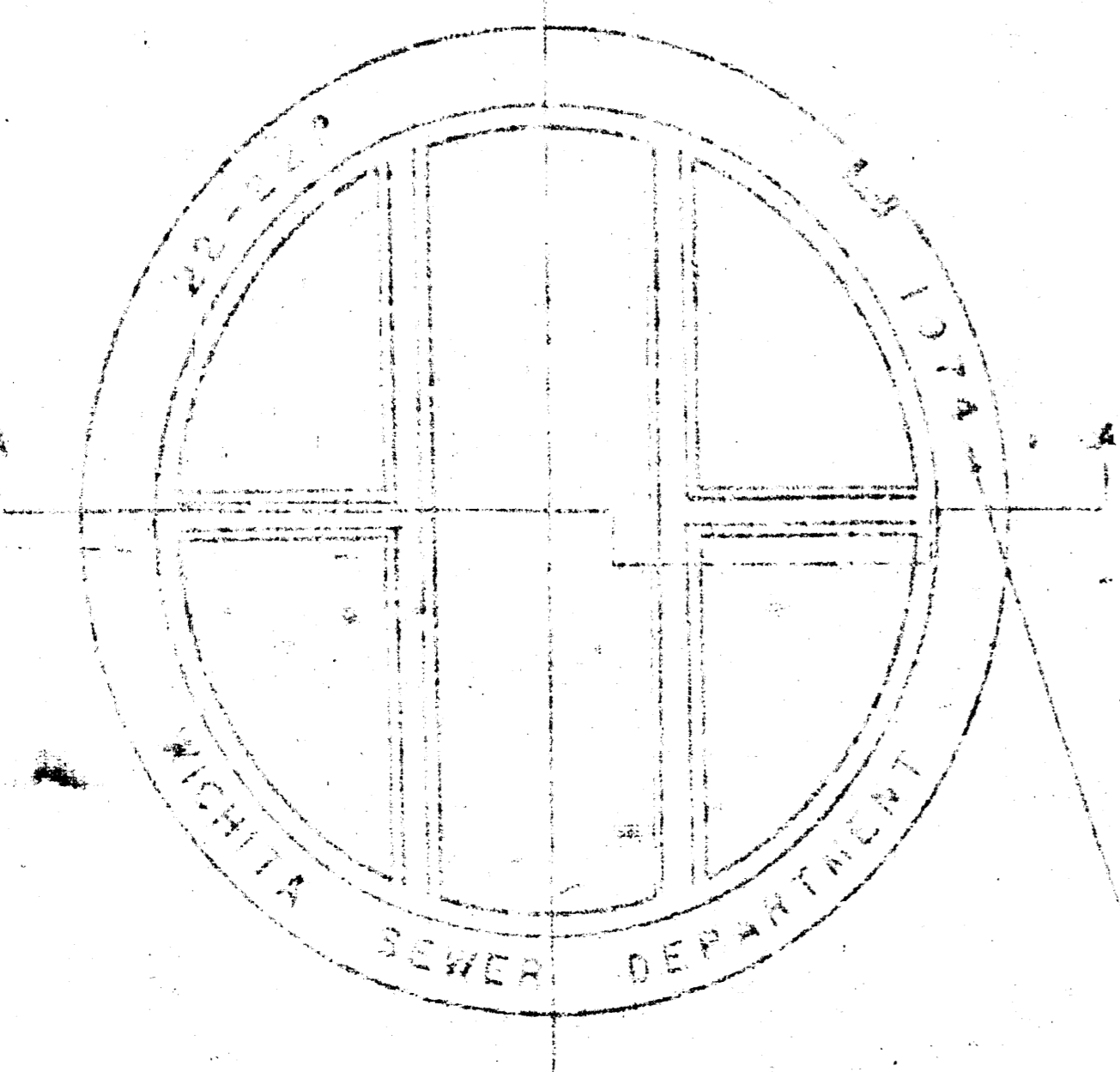
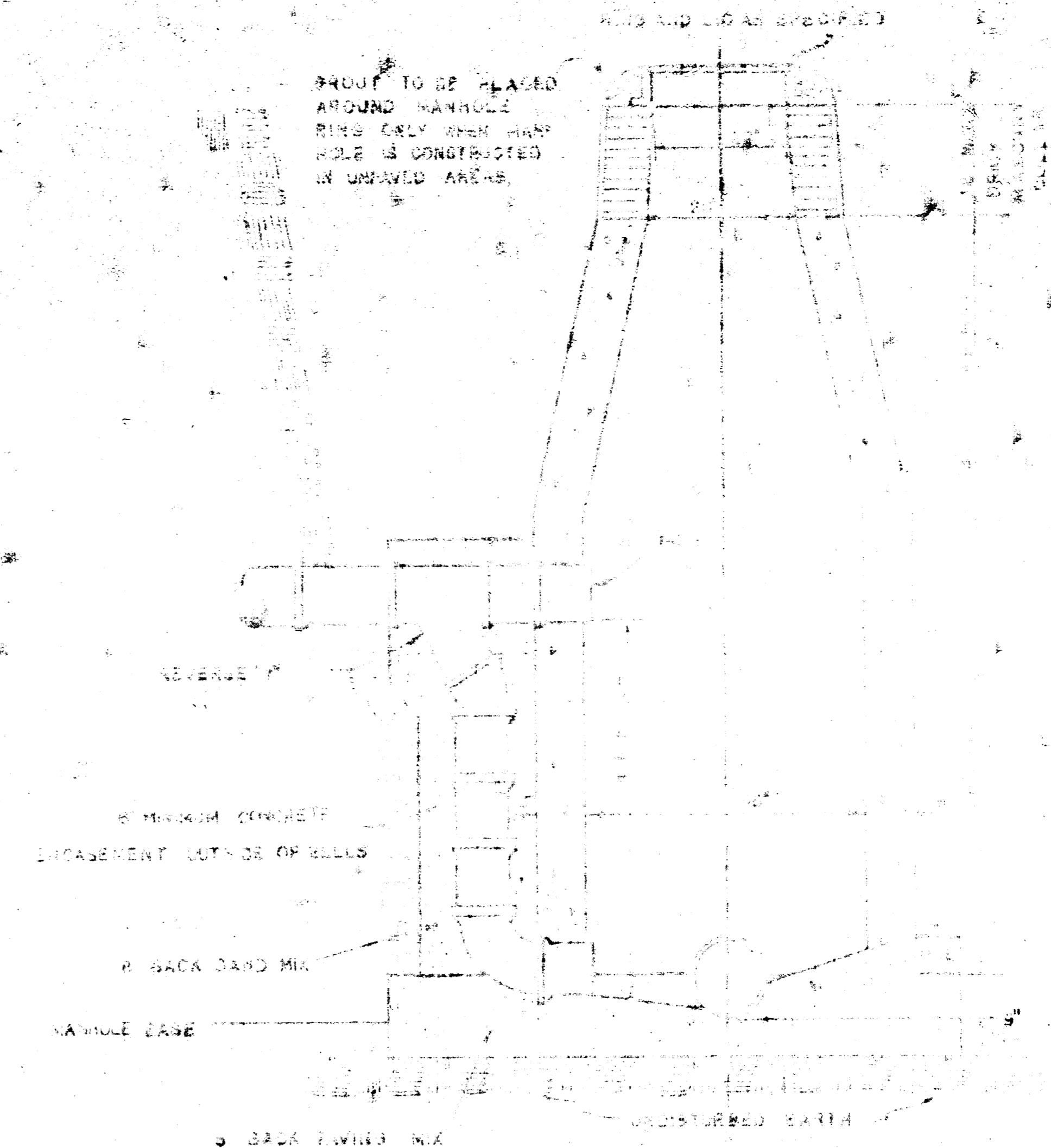
STANDARD MANHOLE, TYPE "C"



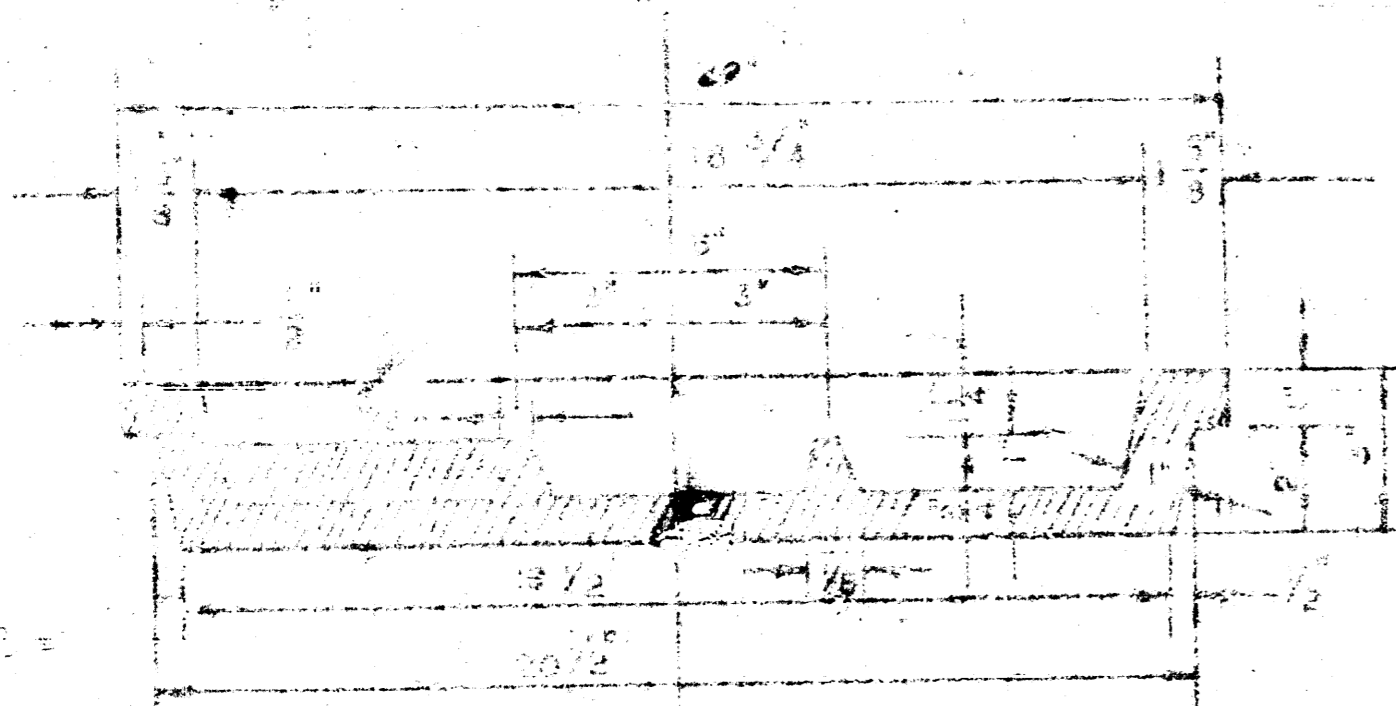
DROP MANHOLE, TYPE "C"



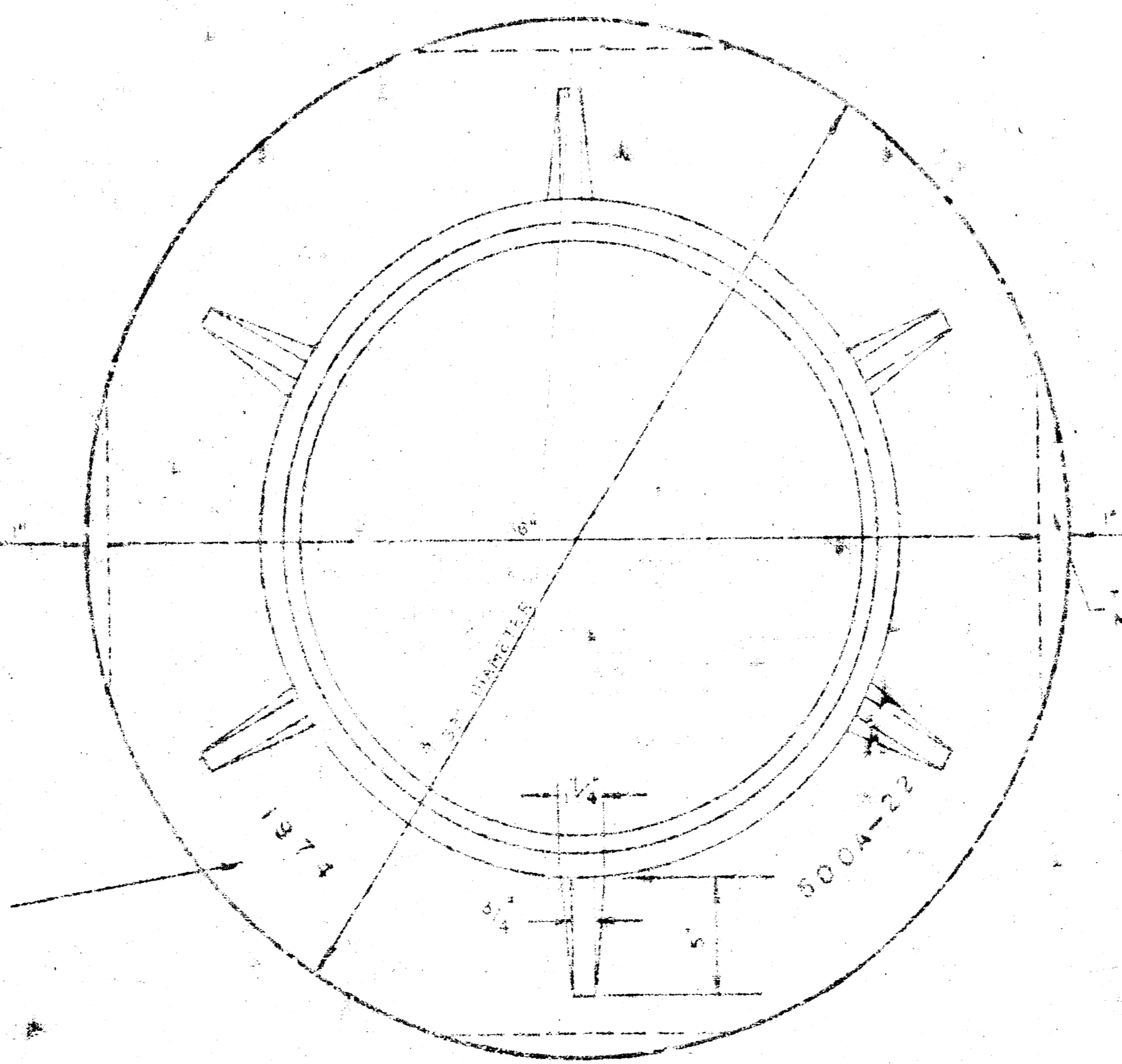
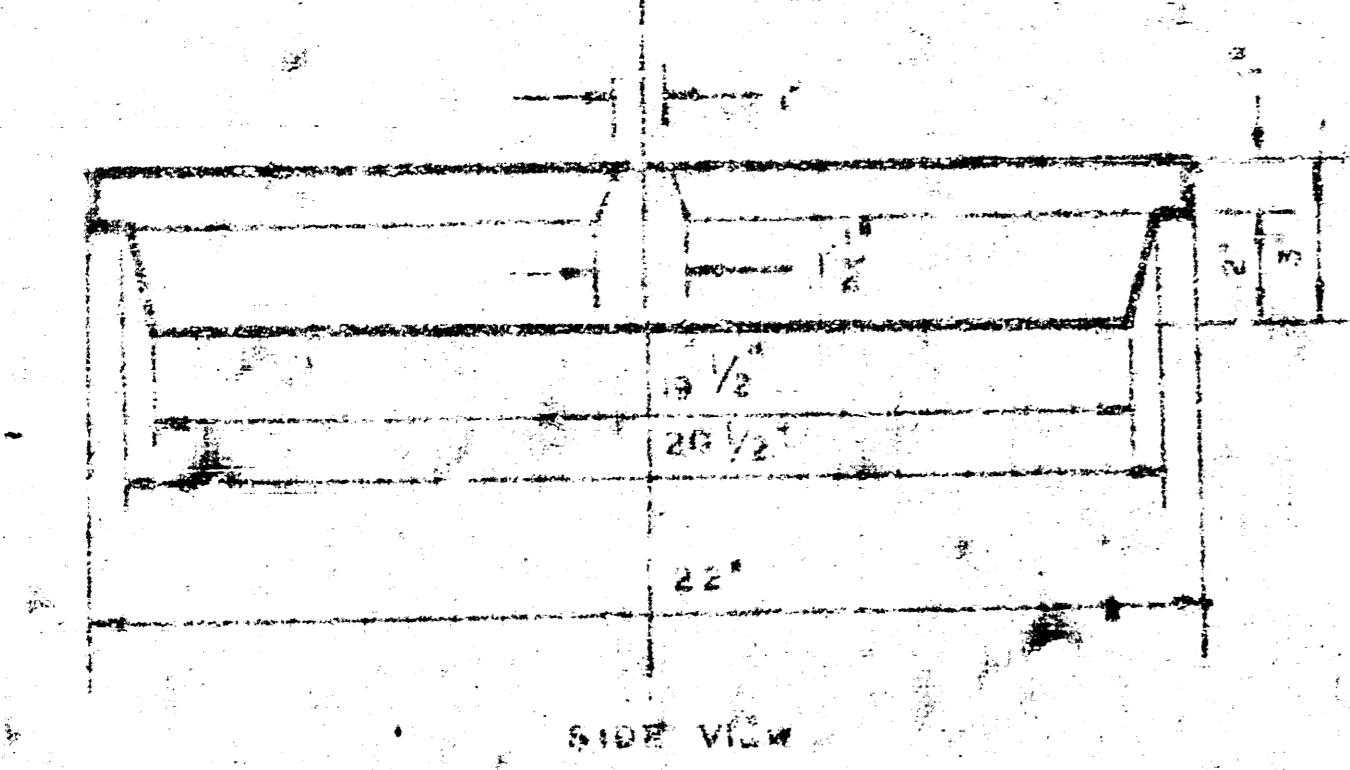
OUTSIDE DROP MANHOLE, TYPE "C"



MANHOLE COVER

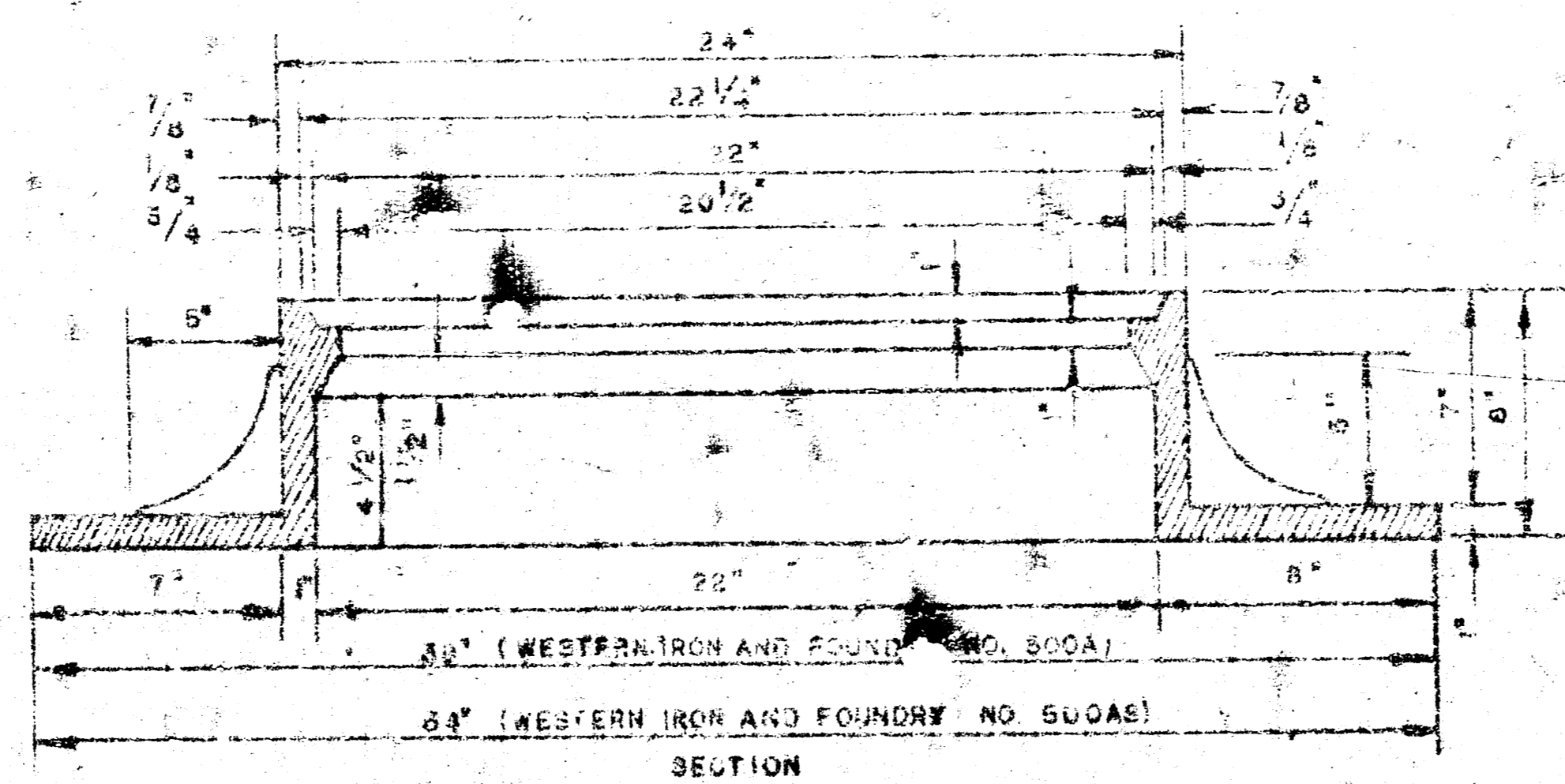


MANHOLE COVER



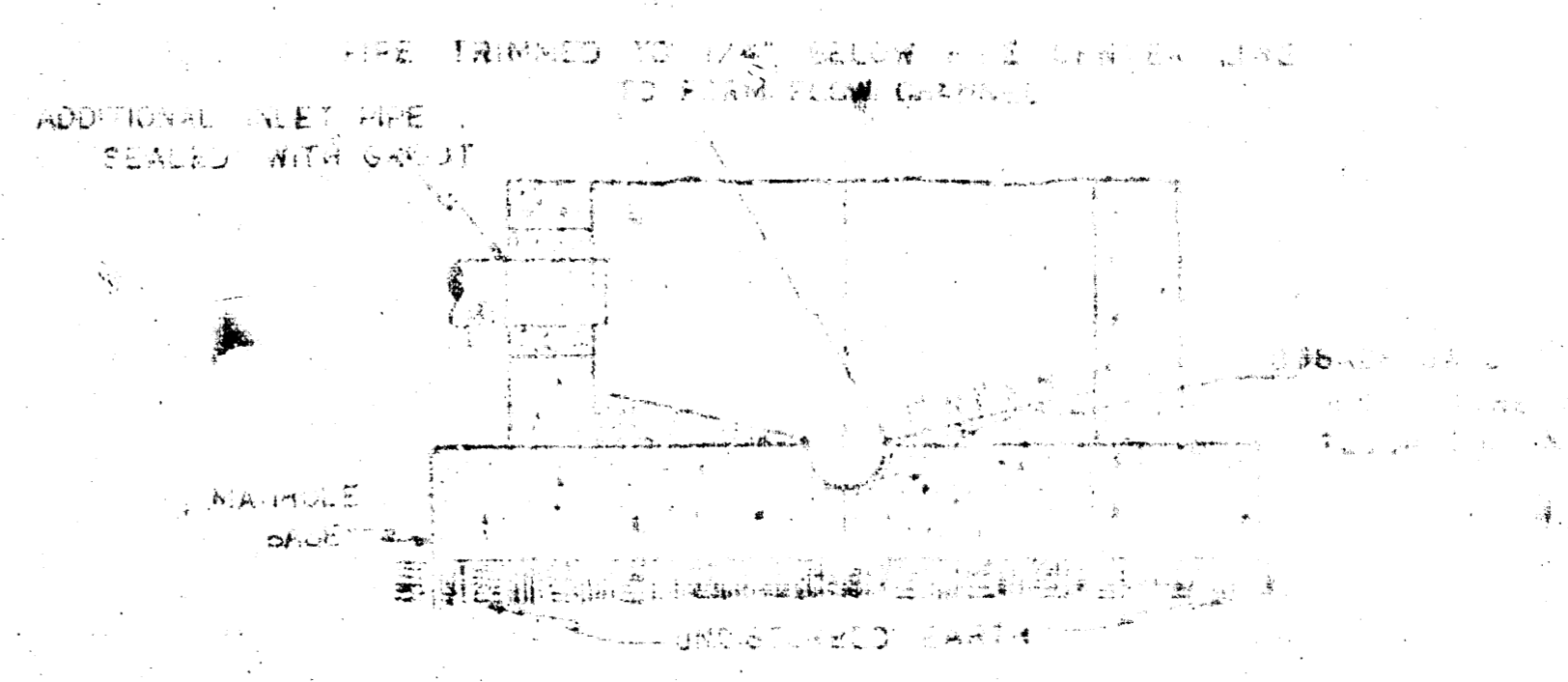
MANHOLE RING

WEIGHT 325 LBS. RING NO. 500A
WEIGHT 500 LBS. RING NO. 500A-2



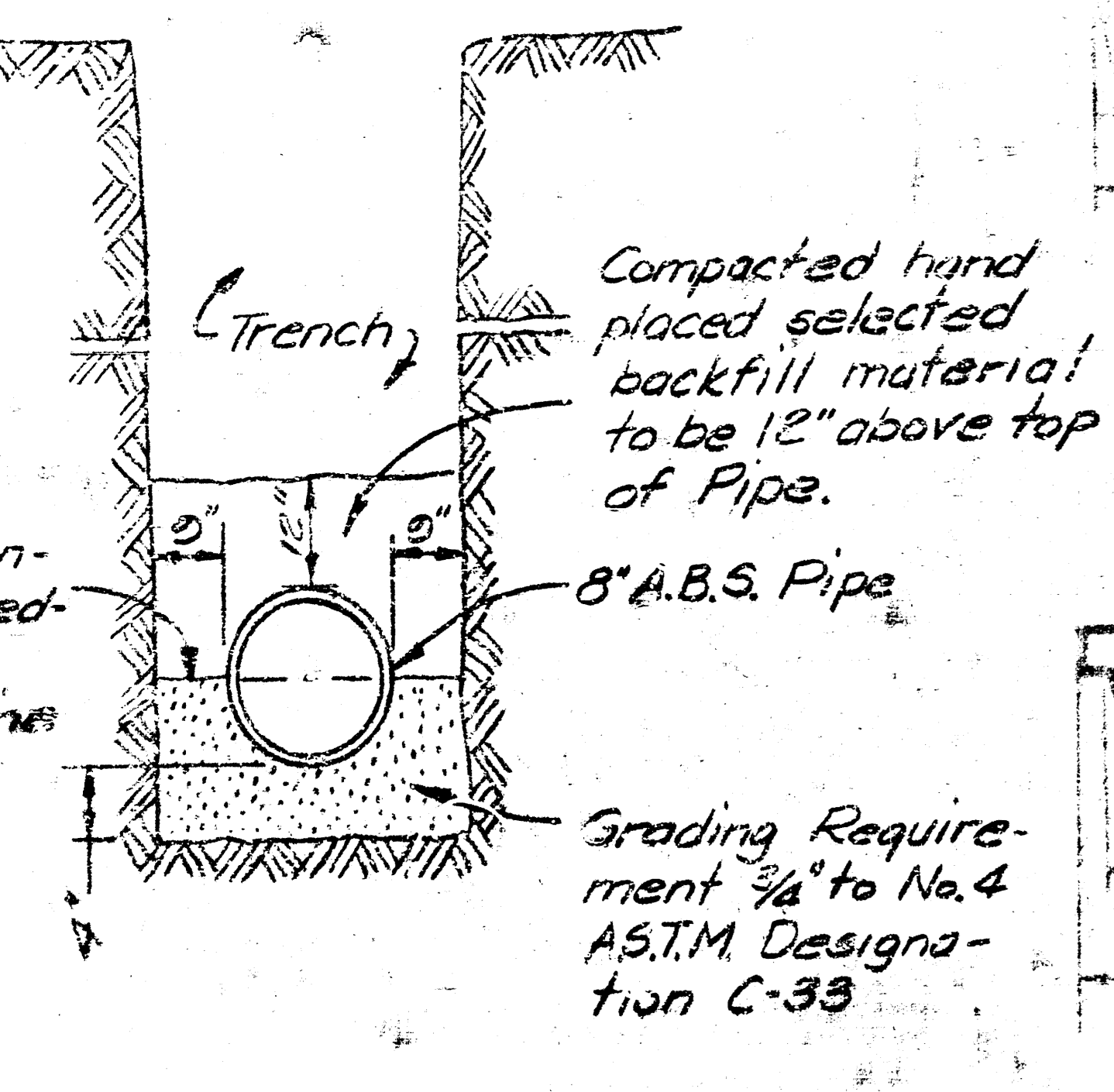
MANHOLE RING

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.



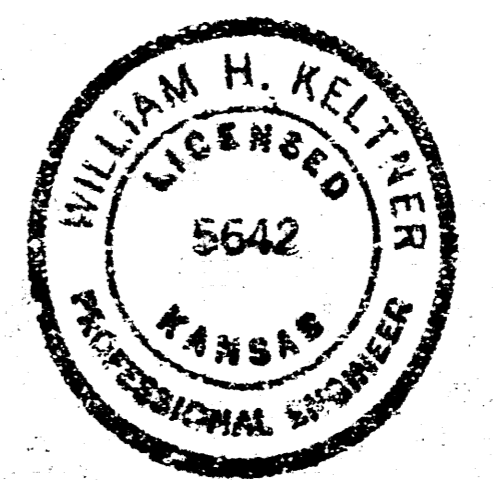
SECTIONAL ELEVATION—INVERT

NOTE: OPENING FOR WILET PIPE OUT IN MANHOLE WALL AND PIPE BROUGHT IN PLACE WITH NON-SHRINKING GROUT. EXTERIOR OF COMPLETED CONNECTION TO BE SEALED WITH APPROVED COATING.



WICHITA SEWER DEPARTMENT
STANDARD SPECIFICATIONS FOR SEWER APPURTENANCES
SECTION 101.00
MANHOLES
1.01 MANHOLE TYPES
1.02 MANHOLE RINGS
1.03 MANHOLE COVERS
1.04 MANHOLE INVERTS
1.05 MANHOLE CURBS
1.06 MANHOLE GROUTING
1.07 MANHOLE REINFORCEMENT
1.08 MANHOLE SETTING
1.09 MANHOLE FINISHING
1.10 MANHOLE TESTING
1.11 MANHOLE PROTECTION
1.12 MANHOLE RECORDS

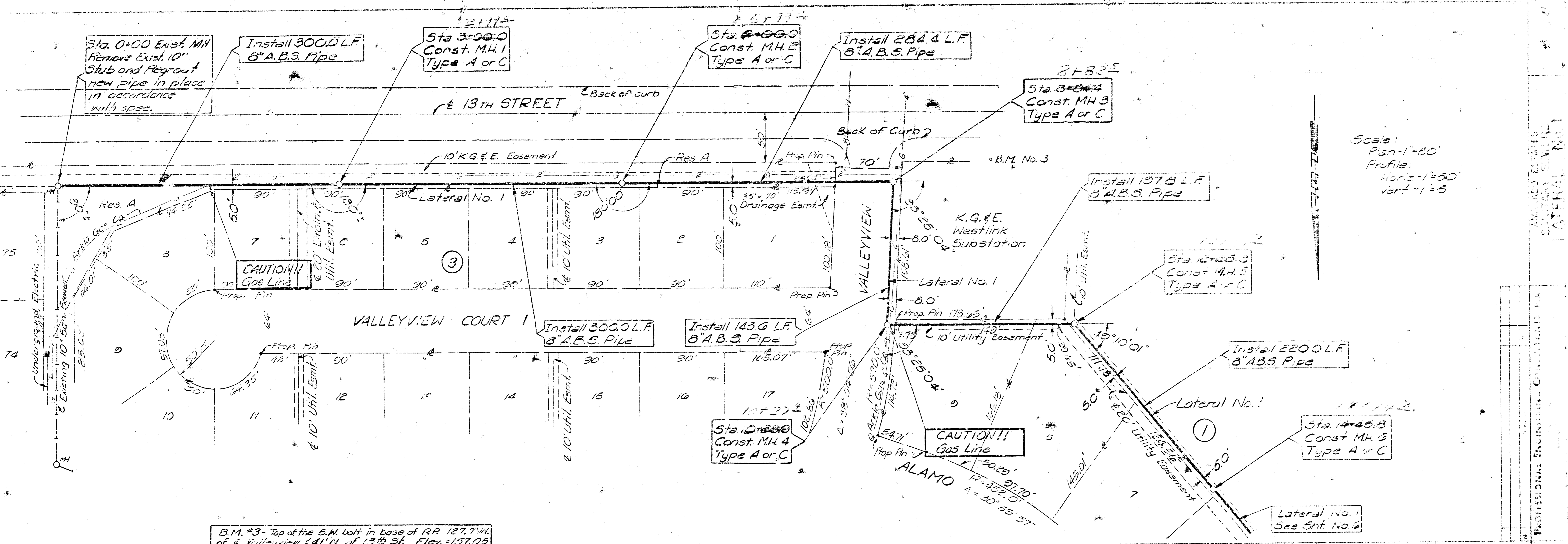
PIPES INSTALLED WITHIN THE MANHOLE EXCAVATION SHALL BE CRAZLED WITH CONCRETE TO THE LIMITS OF THE MANHOLE EXCAVATION. COST OF CRAZLE WITHIN MANHOLE EXCAVATION SHALL BE INCLUDED IN THE PRICE BID FOR THE MANHOLE.



PROFESSIONAL ENGINEERING—SEWER APPURTENANCES
WICHITA, KANSAS
81013-8000

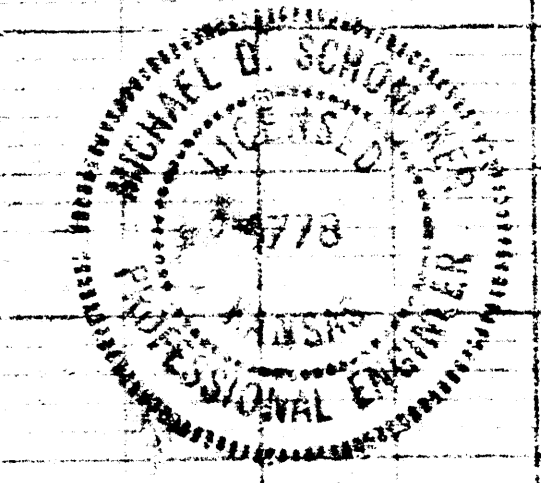
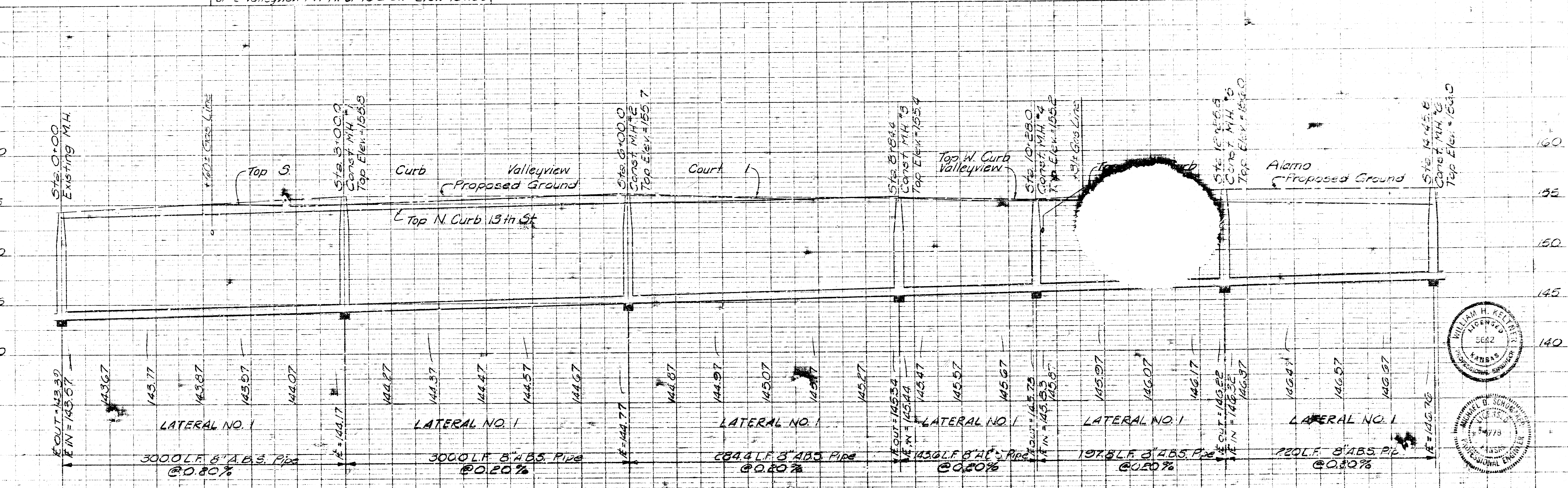
DETAILS OF SEWER APPURTENANCES
ADOPTED AS STANDARD DESIGN

BY
ENGINEERING DIVISION
CITY OF WICHITA, KANSAS
R. W. LINN CITY ENGINEER

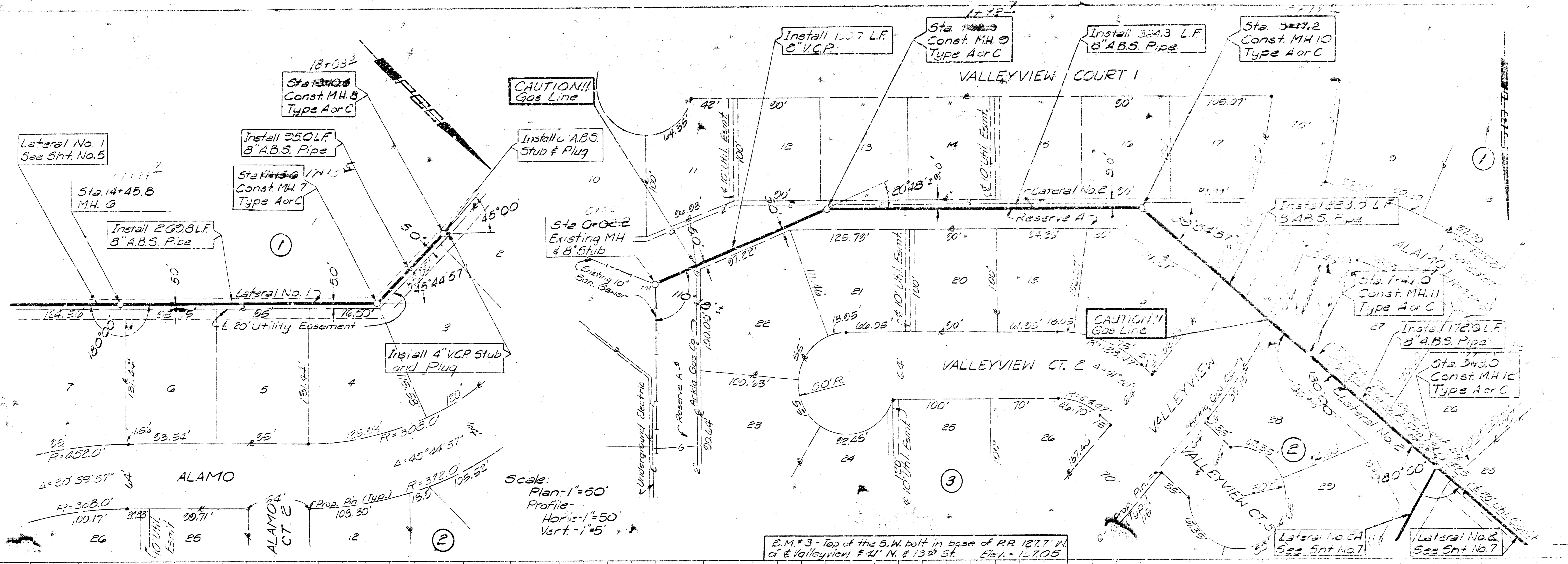


Scale:
 Plan - 1"=50'
 Profile - 1"=50'
 Vert - 1"=5'

B.M. #3 - Top of the S.M. bolt in base of RR 127.7' W. of E Valleyview & 41' N. of 13th St. Elev. = 157.05

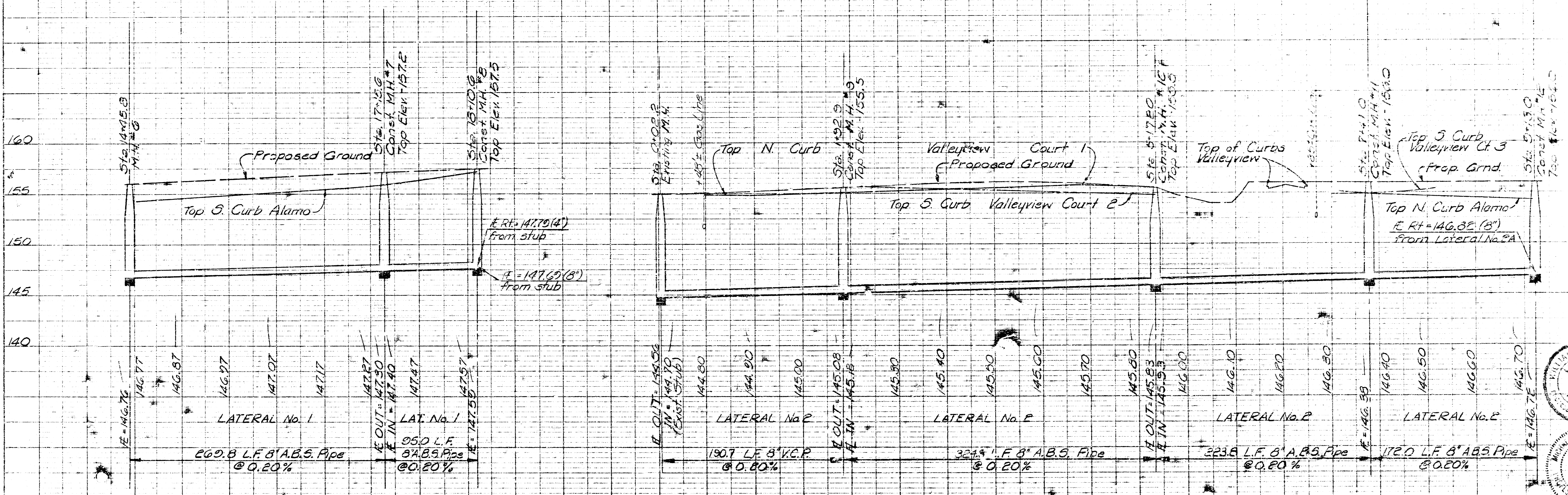


AMARCO REALTY
 DANIEL S. VILK
 LATERAL NO. 1
 PROFESSIONAL ENGINEERING CONSULTANTS P.A.

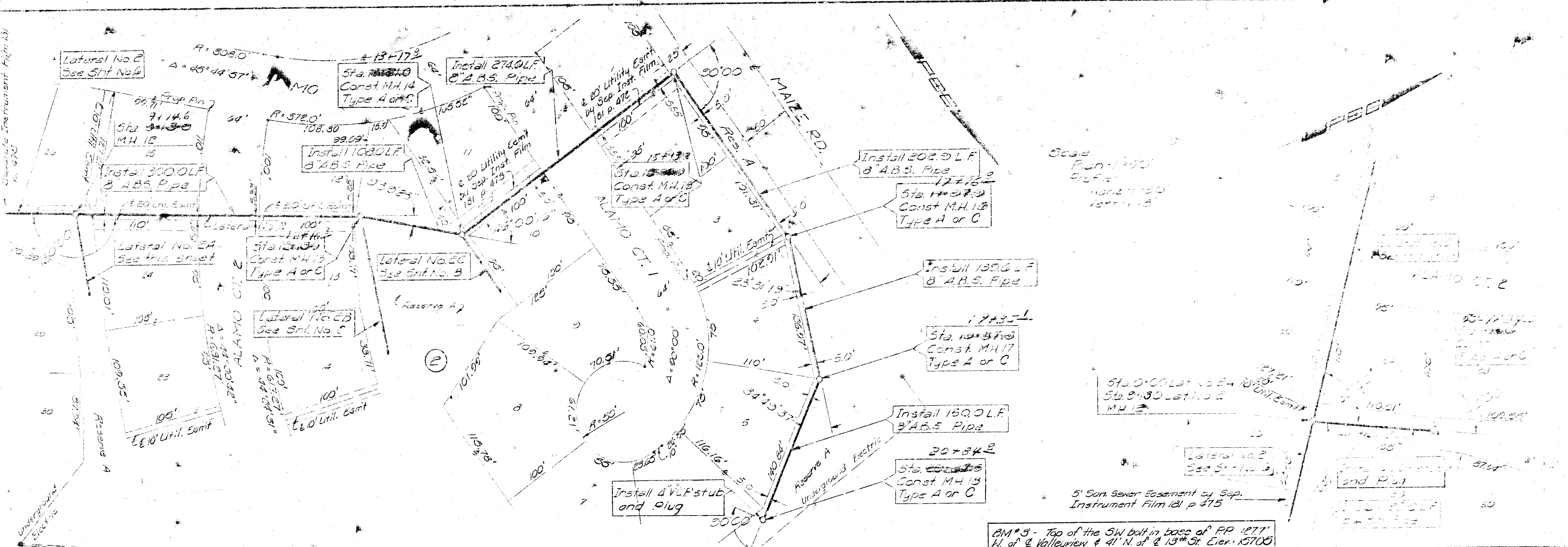


Scale:
 Plan-1"=50'
 Profile-1"=50'
 Horiz-1"=5'

E.M.#3 - Top of the S.W. bolt in base of RR 1277' N. of E Valleyview & 41' N. & 13th St. Elev. = 137.05

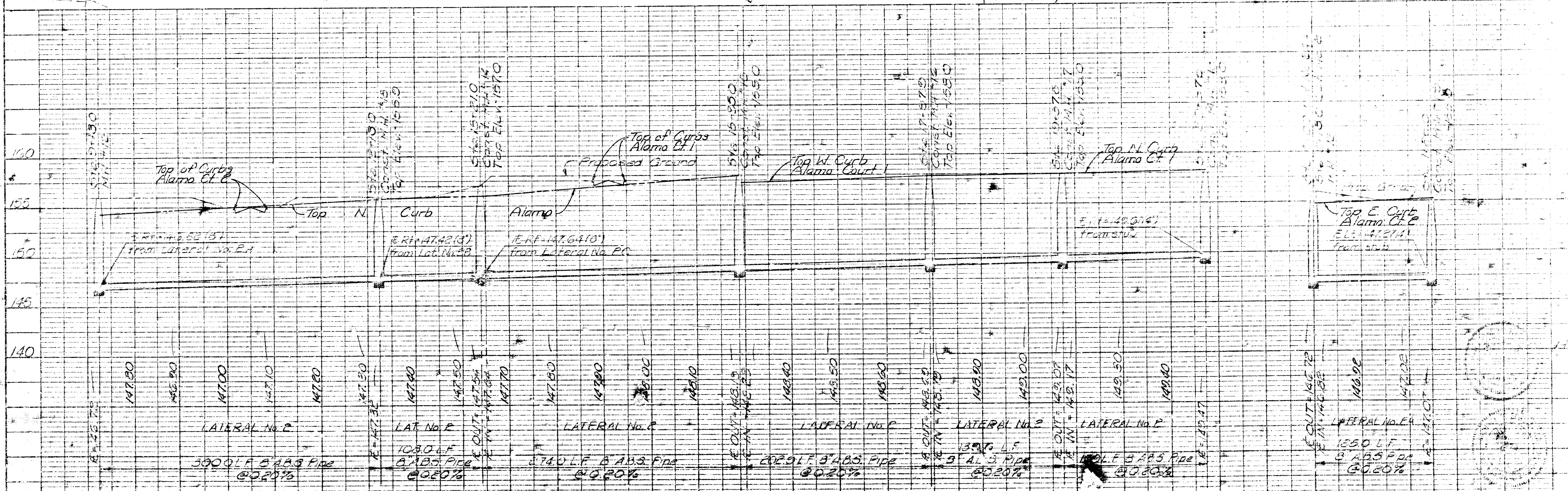


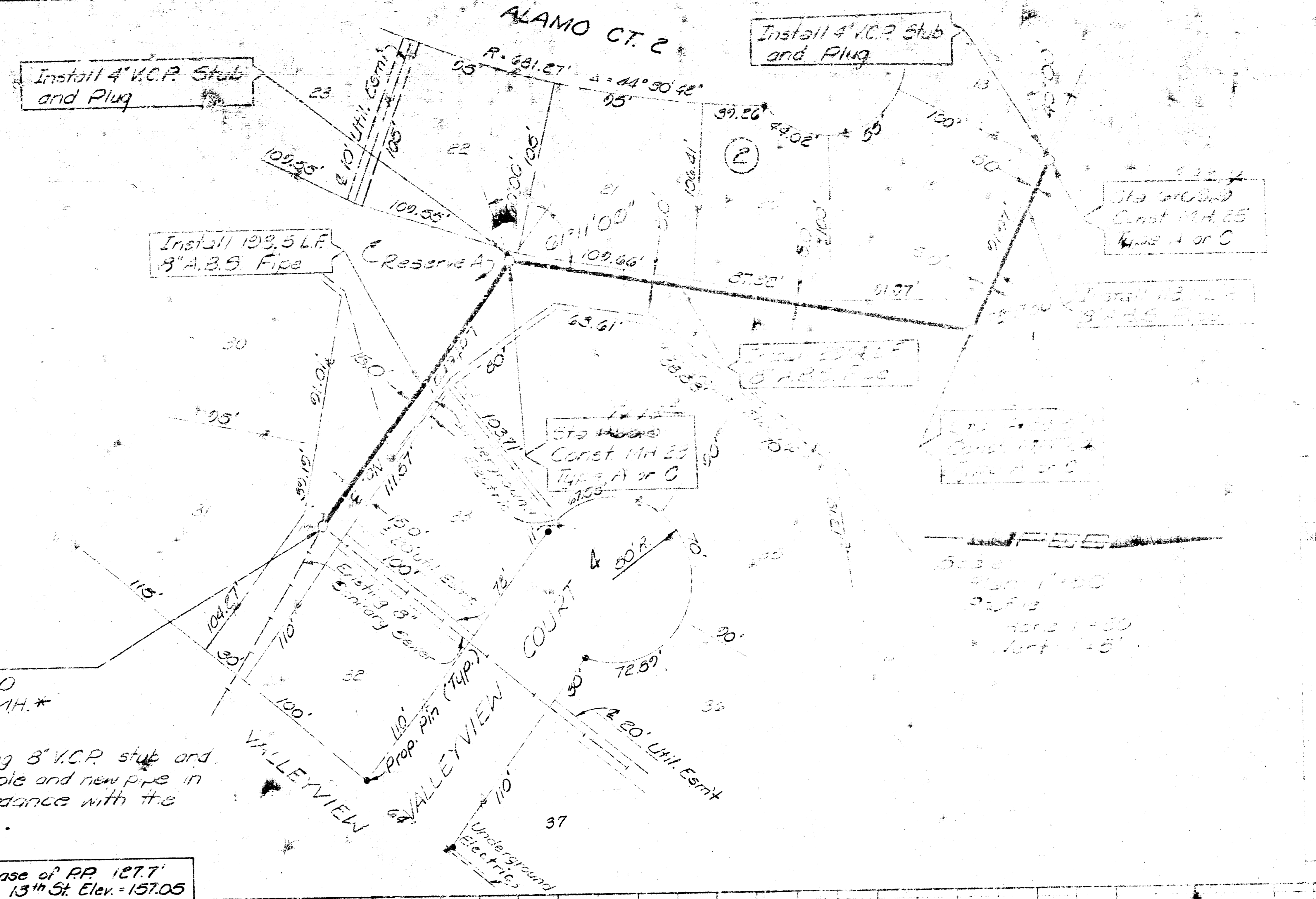
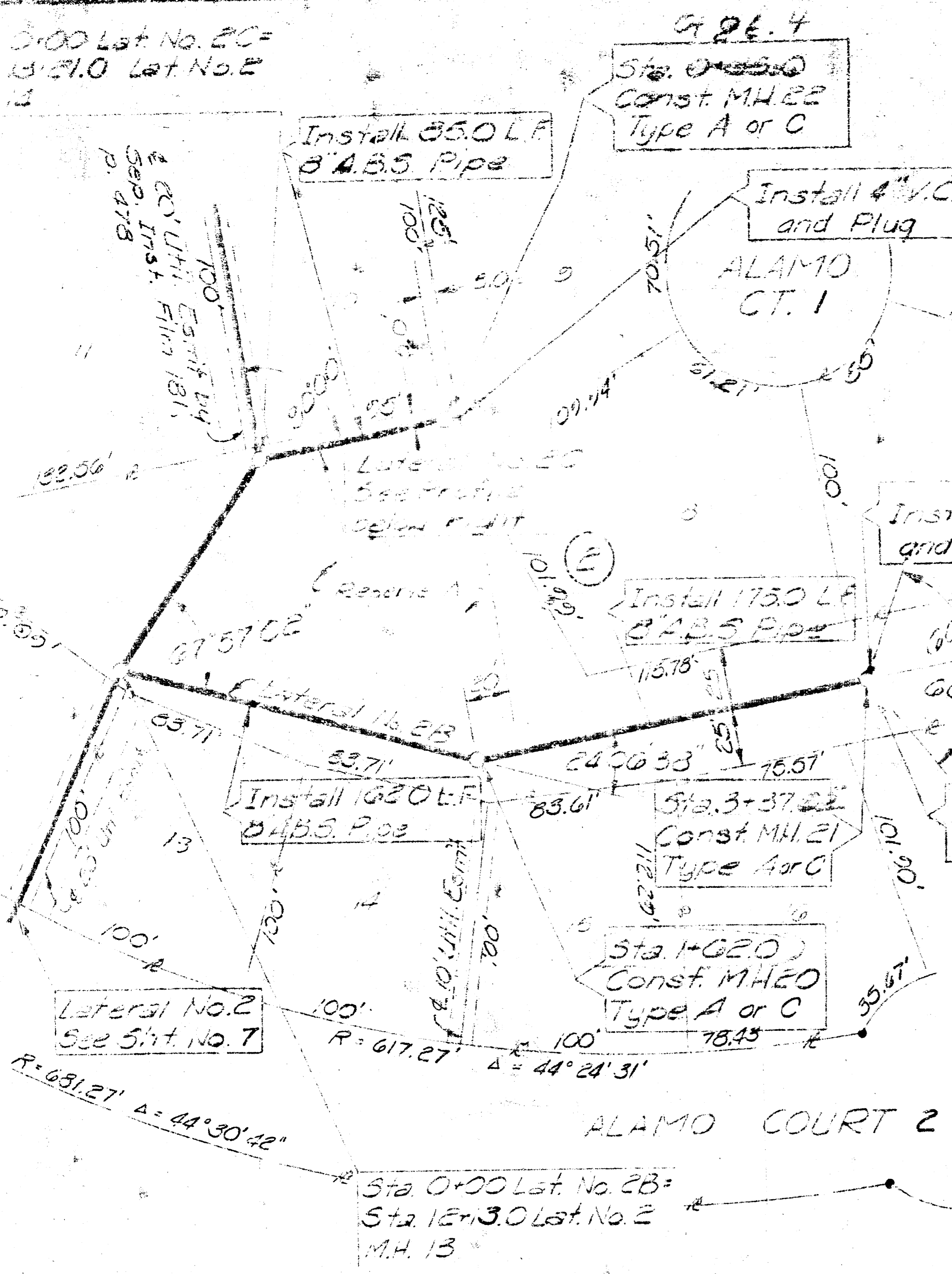
San. Sew. Easement by
 Sewer Instrument Film 181
 p. 475



Scale
 Plan = 1" = 50'
 Profile = 1" = 10'

BM #3 - Top of the SW bolt in base of RP 1277
 N. of E. Valleyview & 41' N. of E. 13th St. Elev. 15705





* Remove existing 8" VCP stub and regrade manhole and new pipe in place in accordance with the specifications.

BM #3 - Top of SW bolt in base of PP 1277' W of & Valleyview & 41' N. of & 13th St. Elev. = 157.05

