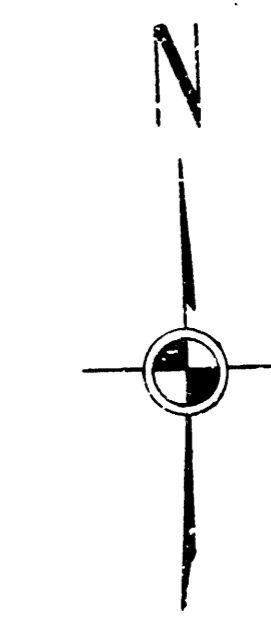


PLAN AND PROFILE FOR
STORM WATER SEWER NO. 110
 CITY OF WICHITA, KANSAS

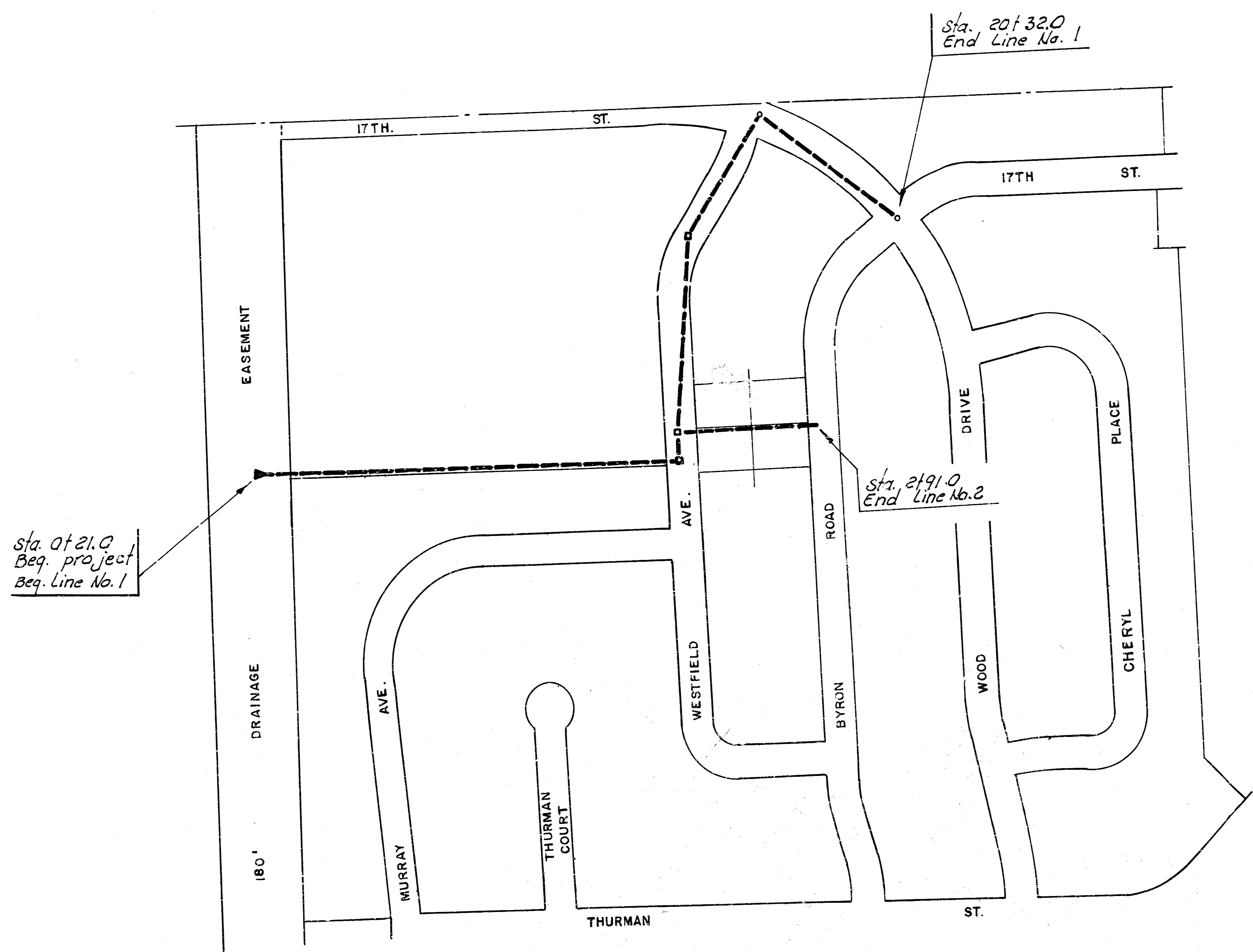
R. W. LINN — CITY ENGINEER
 JAN. 1975, PROJECT NO. DBKA 574053

INDEX

SHEET NO.	DESCRIPTION
1	TITLE & LOCATION MAP
2	CONC. FLUME DETAIL
2-6	PLAN AND PROFILE LINE NO. 1
7	PLAN AND PROFILE LINE NO. 2
8	INLET DETAIL
9	REINF. CONC. M. H. DETAIL
10	STD. BRICK M. H. DETAIL



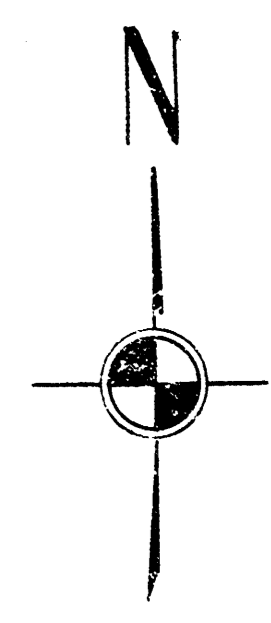
SCALE 1" = 150'



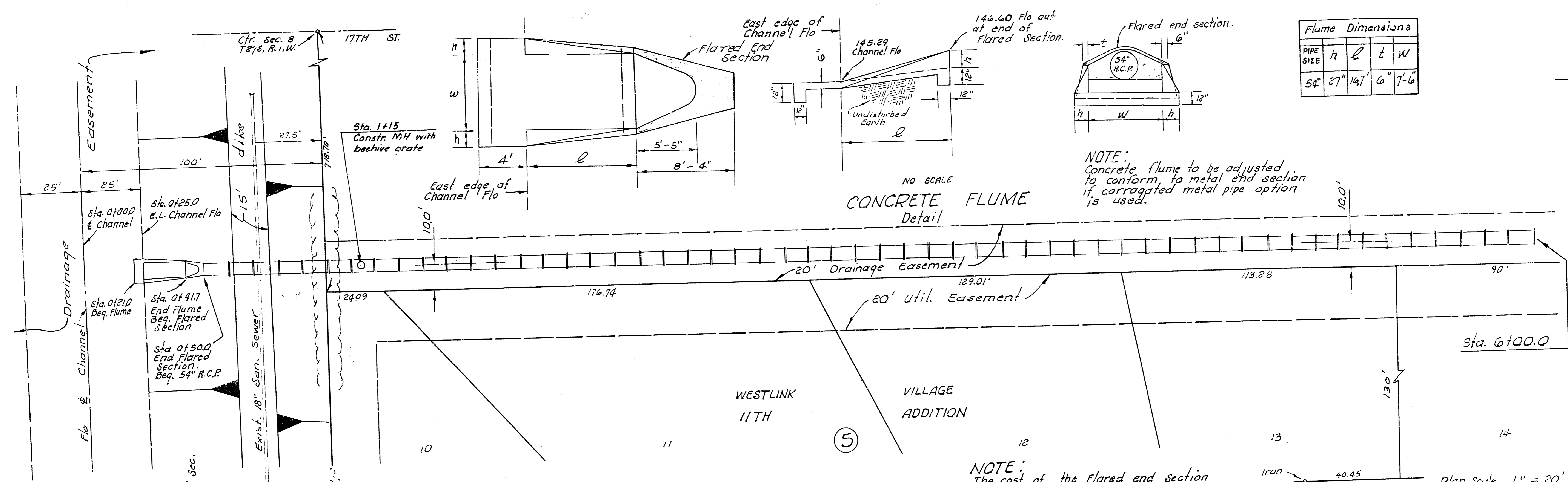
NOTE: PIPE FURNISHED FOR THIS PROJECT SHALL BE EITHER ALL REINFORCED CONCRETE PIPE OR ALL CORRUGATED METAL PIPE. CORRUGATED METAL PIPE SHALL CONFORM TO THE APPLICABLE SECTIONS OF SECTION 1009.05 AND 1009.07 OF THE 1973 KANSAS STATE HIGHWAY SPECIFICATIONS. CORRUGATED METAL PIPE FURNISHED FOR THIS PROJECT IS NOT REQUIRED TO BE COATED. CORRUGATED METAL PIPE HAVING DIAMETERS OF 18" OR SMALLER SHALL HAVE HELICAL CORRUGATIONS.

S. W. S. NO. 110
 PROJECT NO. DBKA 574053

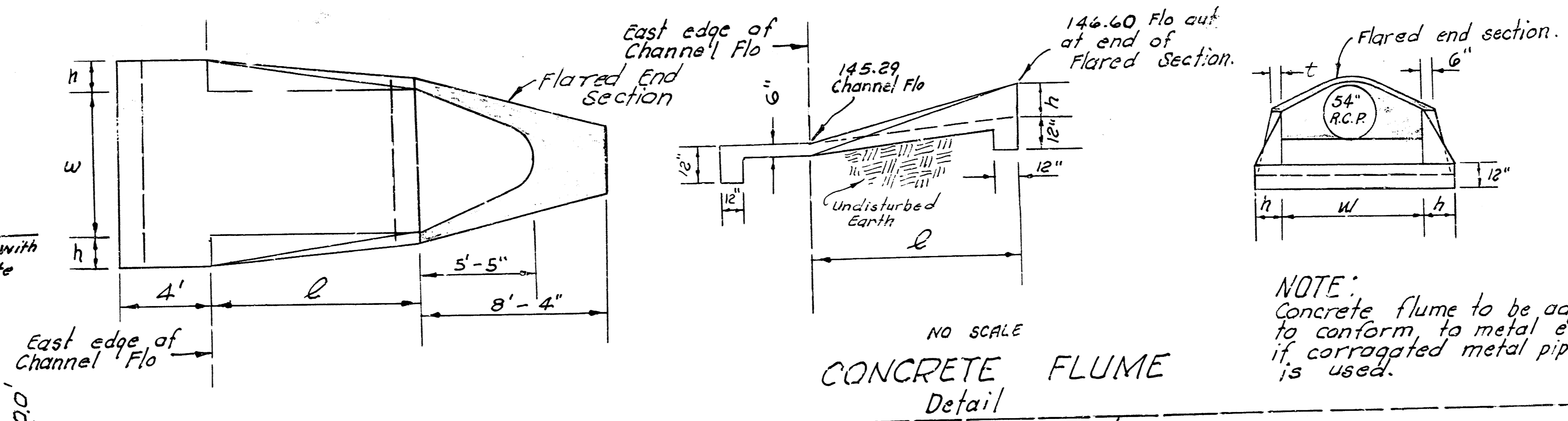
1/10



Flume Dimensions				
PIPE SIZE	h	ℓ	t	W
54"	27"	147"	6"	7'-6"



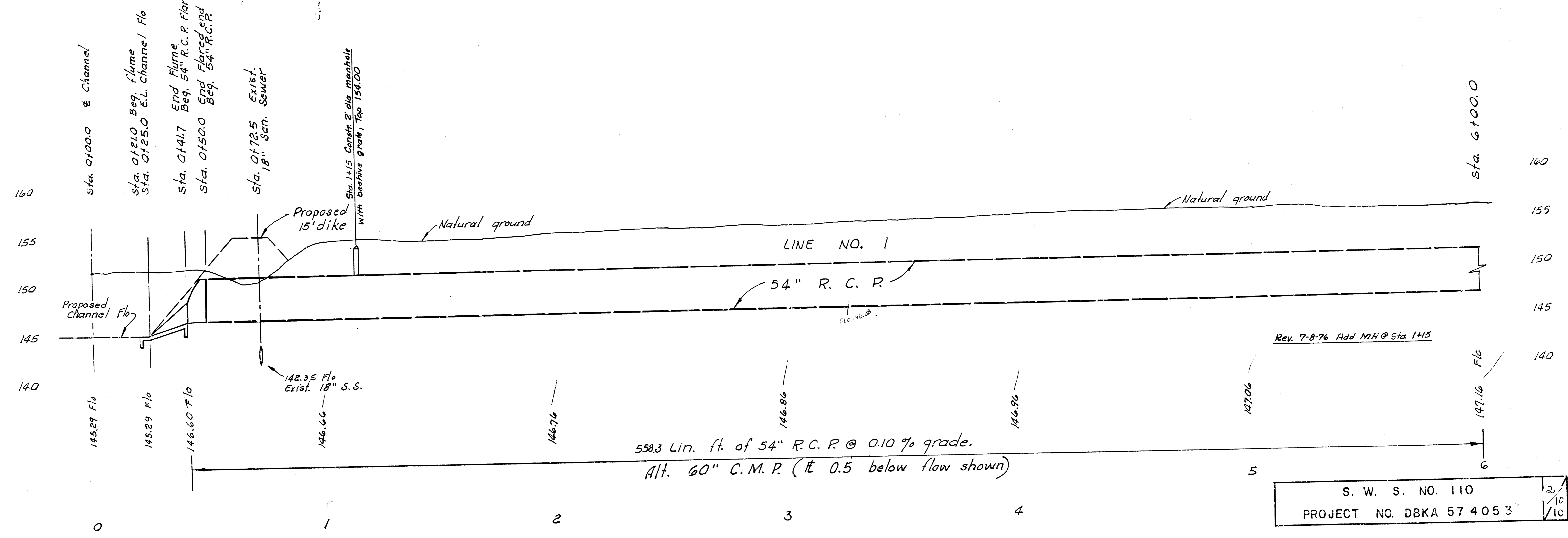
CONCRETE FLUME Detail

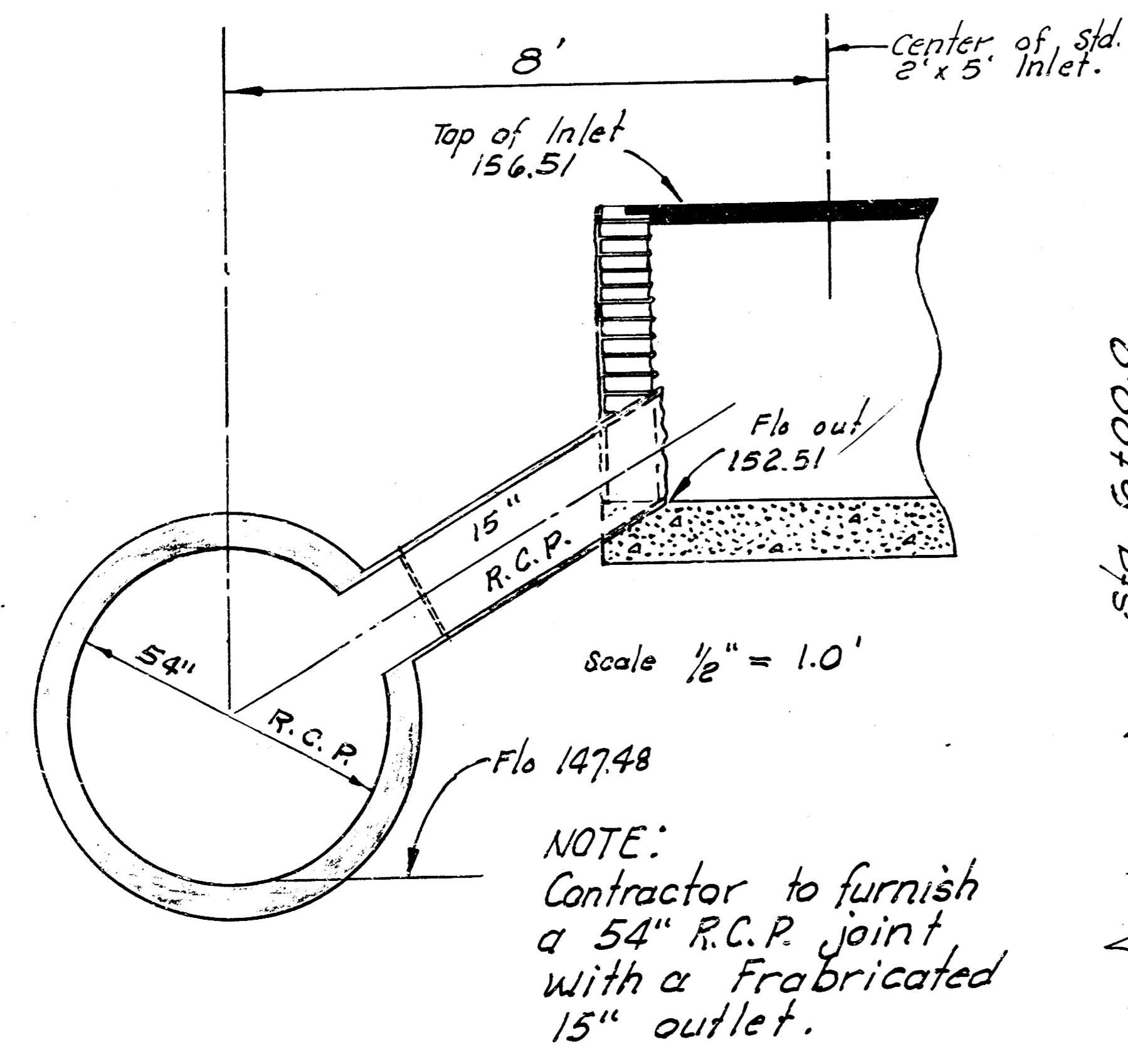
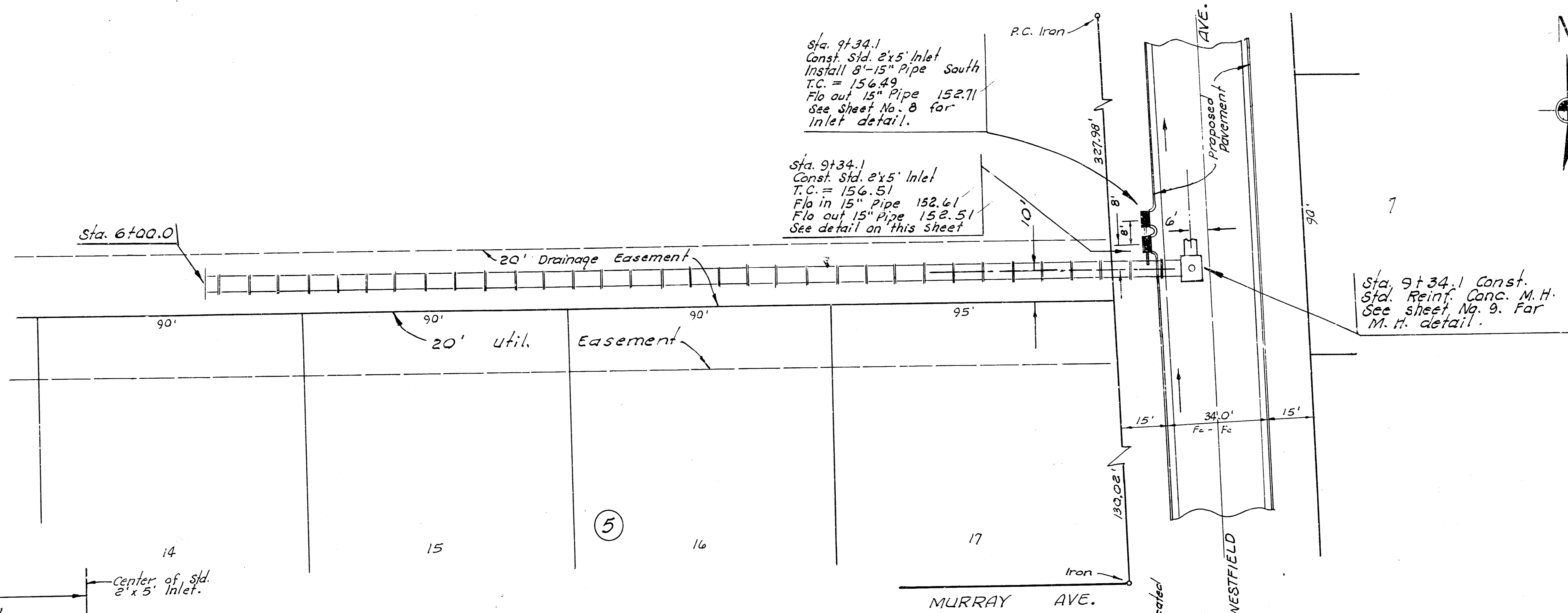


NOTE:
Concrete flume to be adjusted to conform to metal end section if corrugated metal pipe option is used.

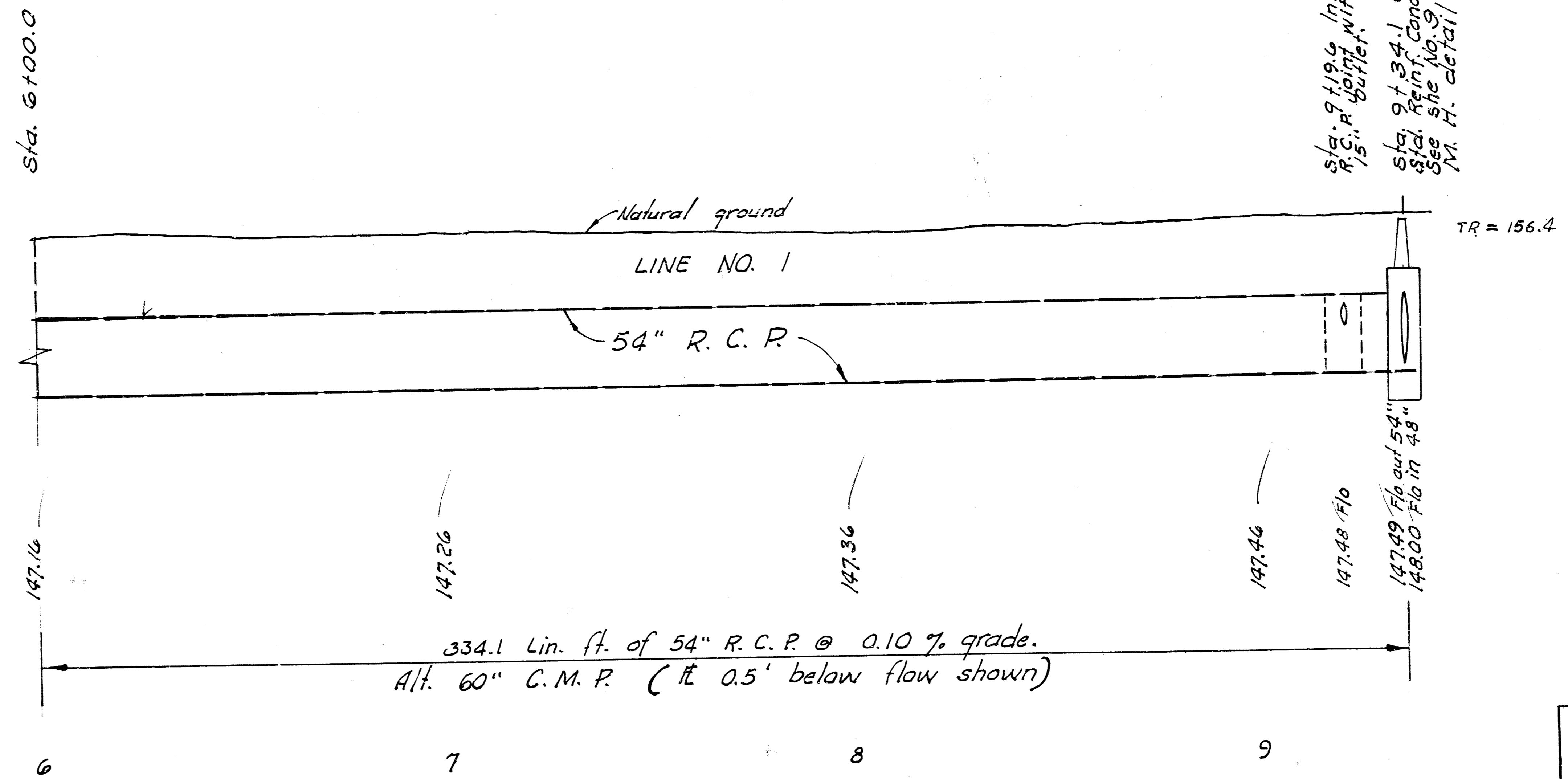
NOTE:
The cost of the Flared end section and the section with 15" Inlet shall be included in the bid price of Lin. ft. of Pipe.

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

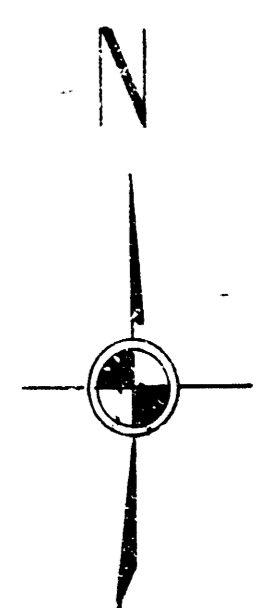


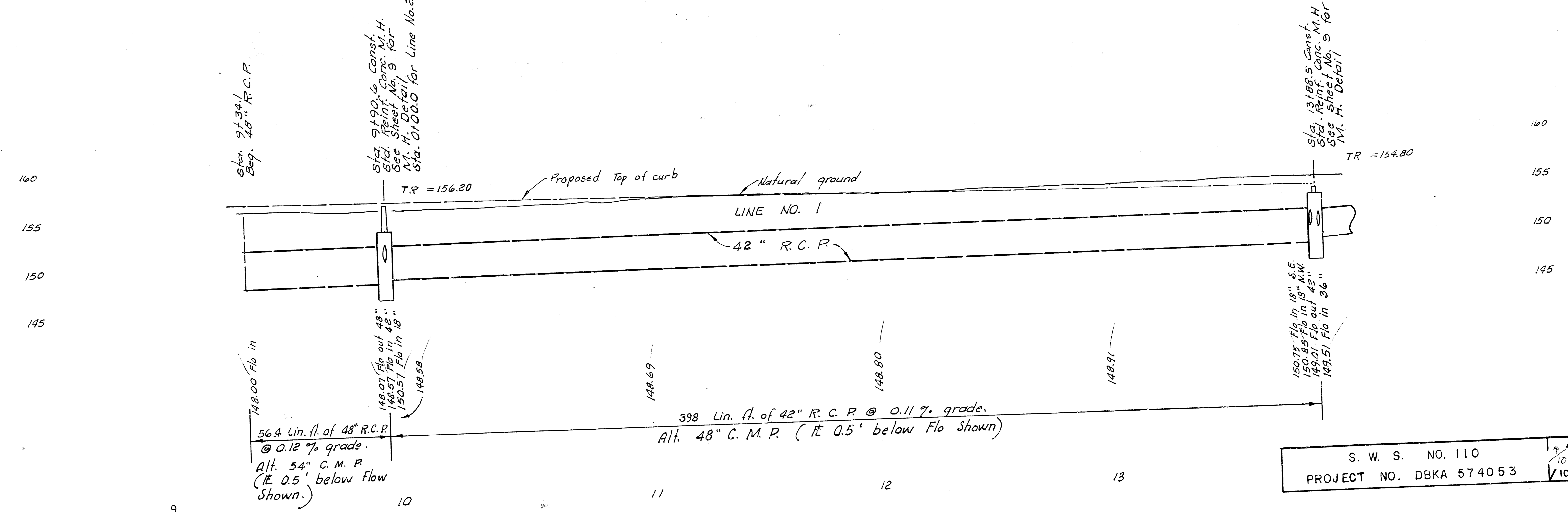
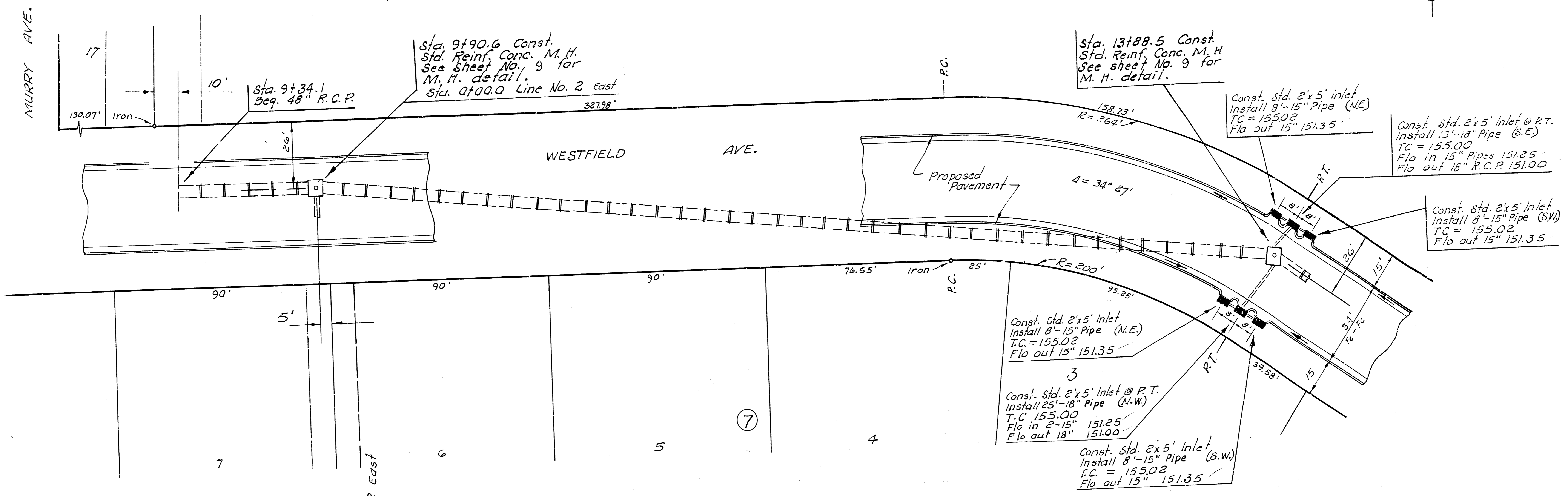
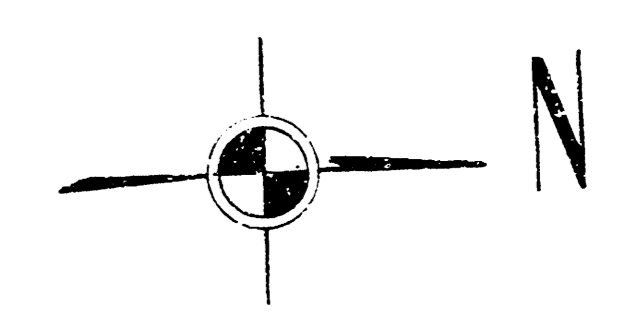


DETAIL
Sta. 9+19.60



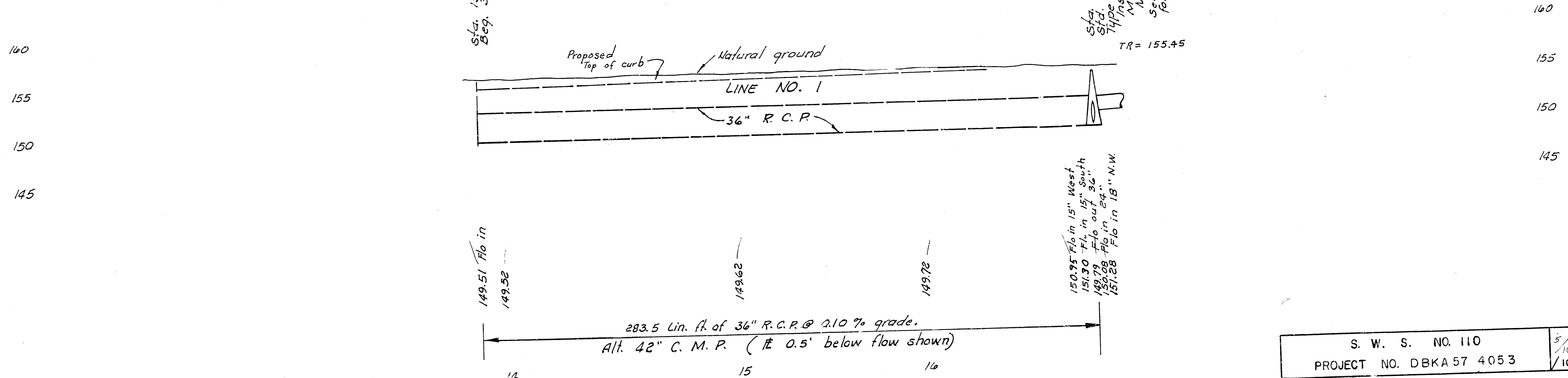
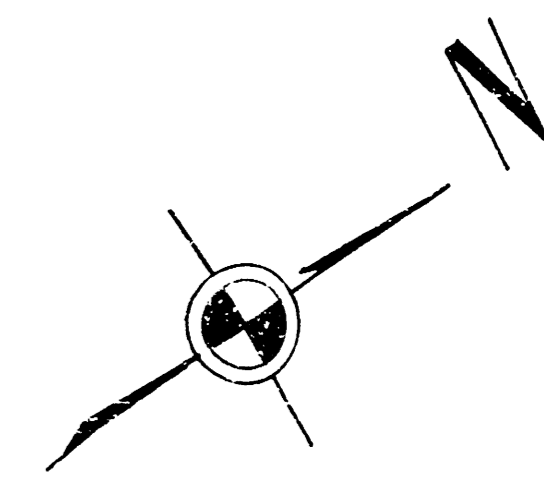
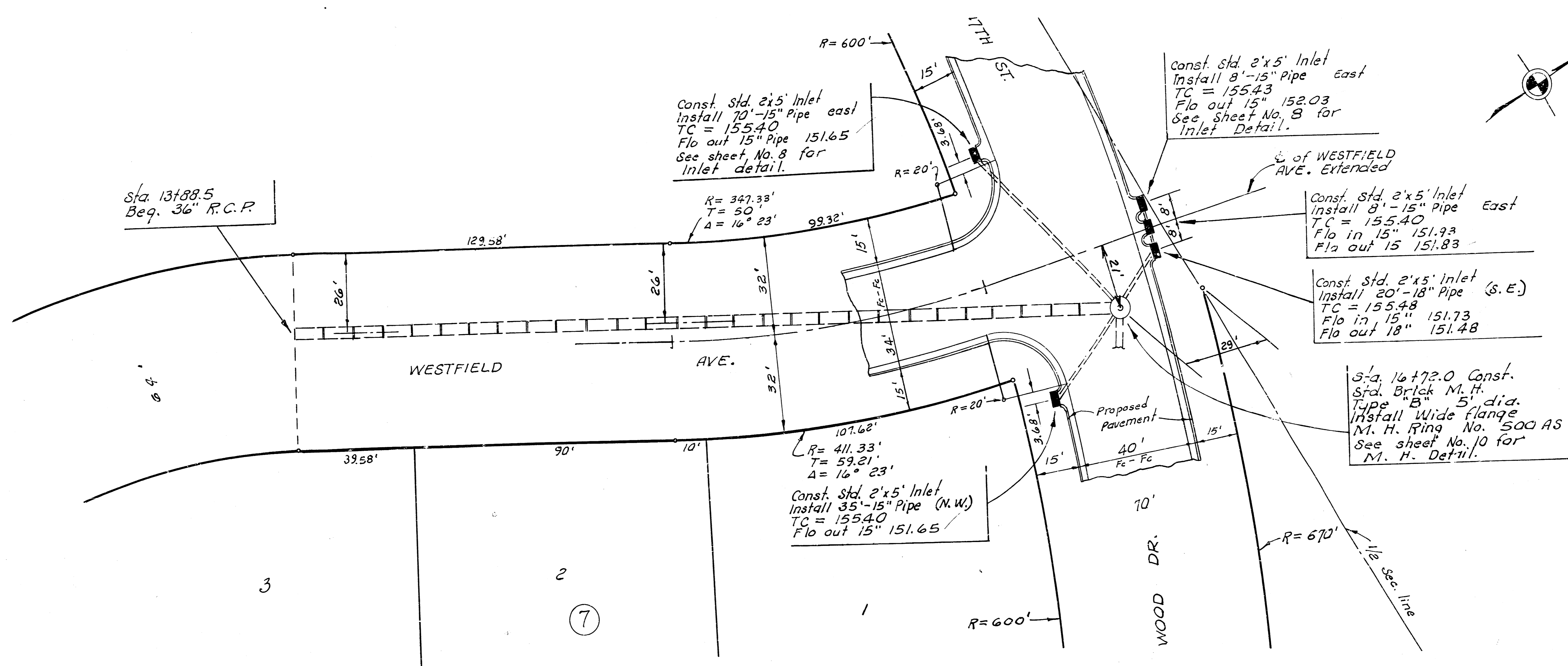
S. W. S. NO. 110
PROJECT NO. DBKA 574053





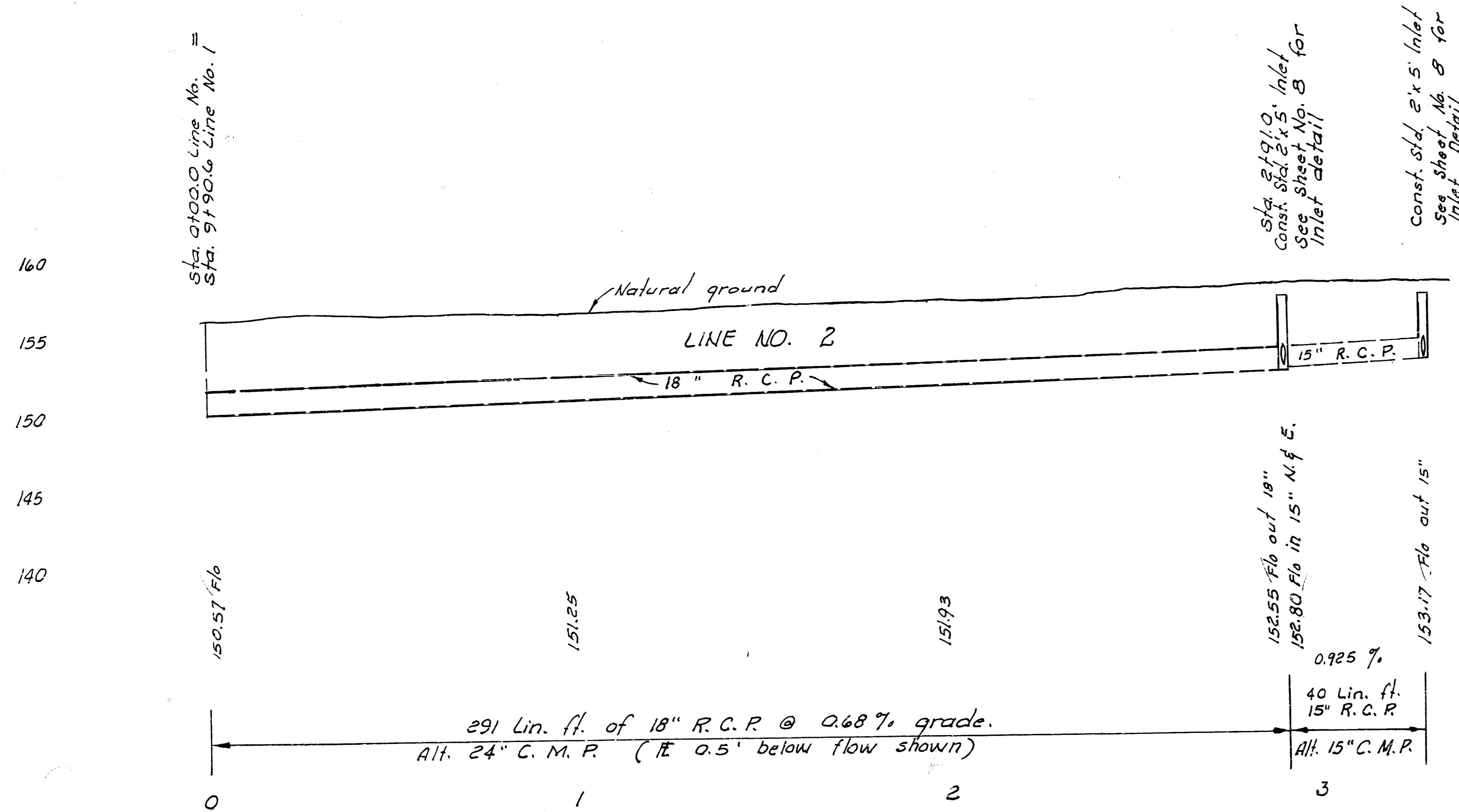
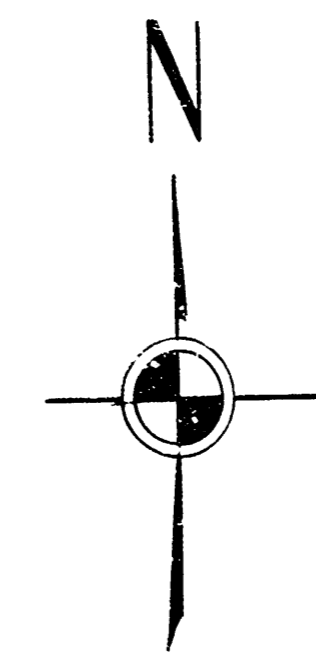
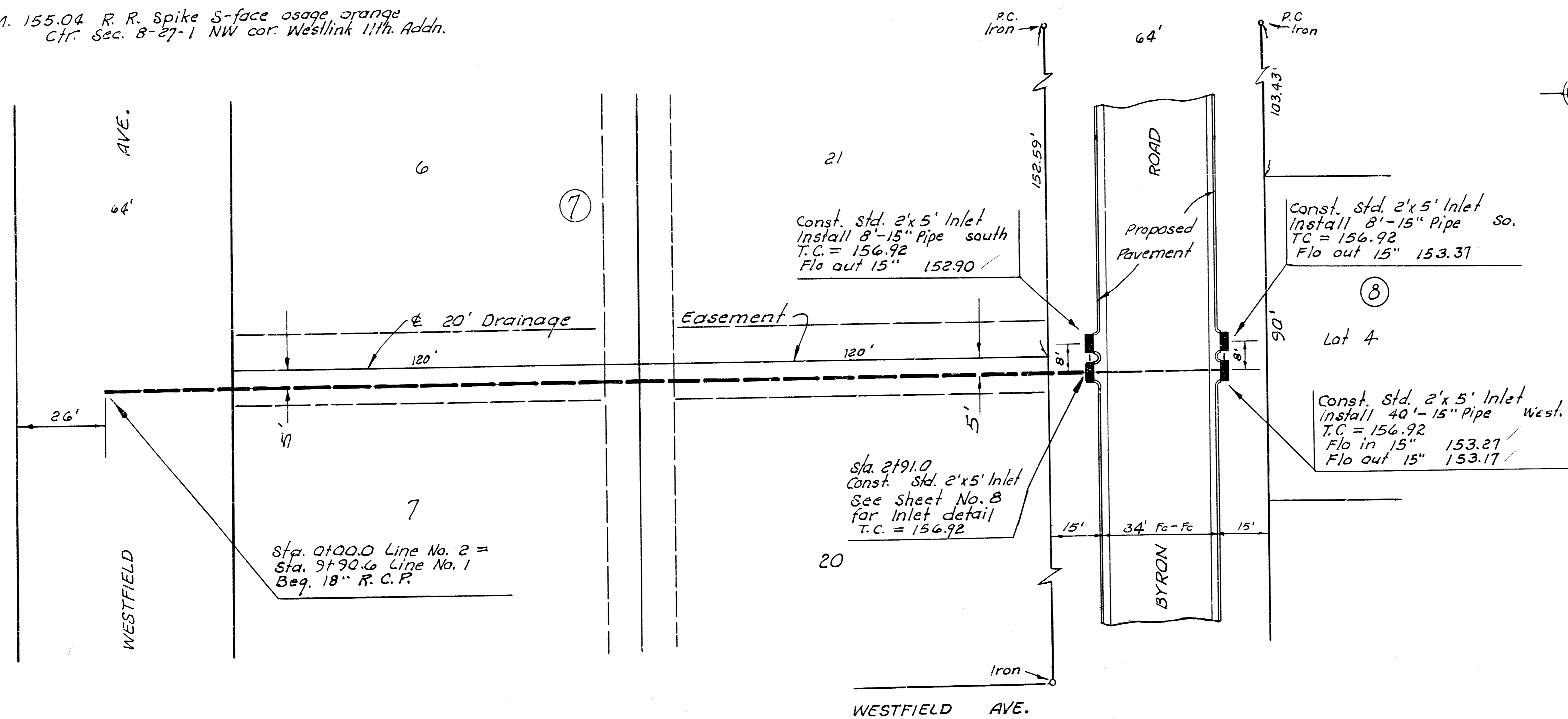
S. W. S. NO. 110
PROJECT NO. DBKA 574053

4/10
10



S. W. S. NO. 110
PROJECT NO. DBKA 57 4053

B. M. 155.04 R. R. Spike S-face usage orange
 Cfr. Sec. 8-27-1 NW cor. Westlink 11th. Adm.

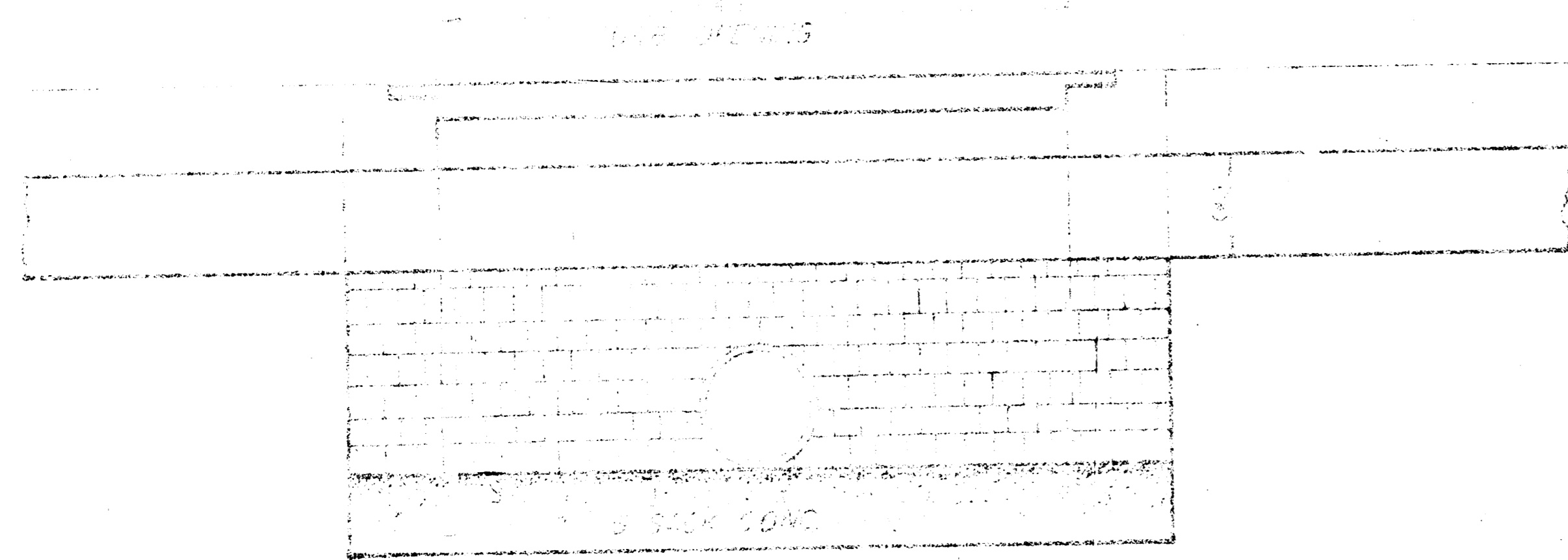


S. W. S. NO. 110
 PROJECT NO. DBKA57 4053

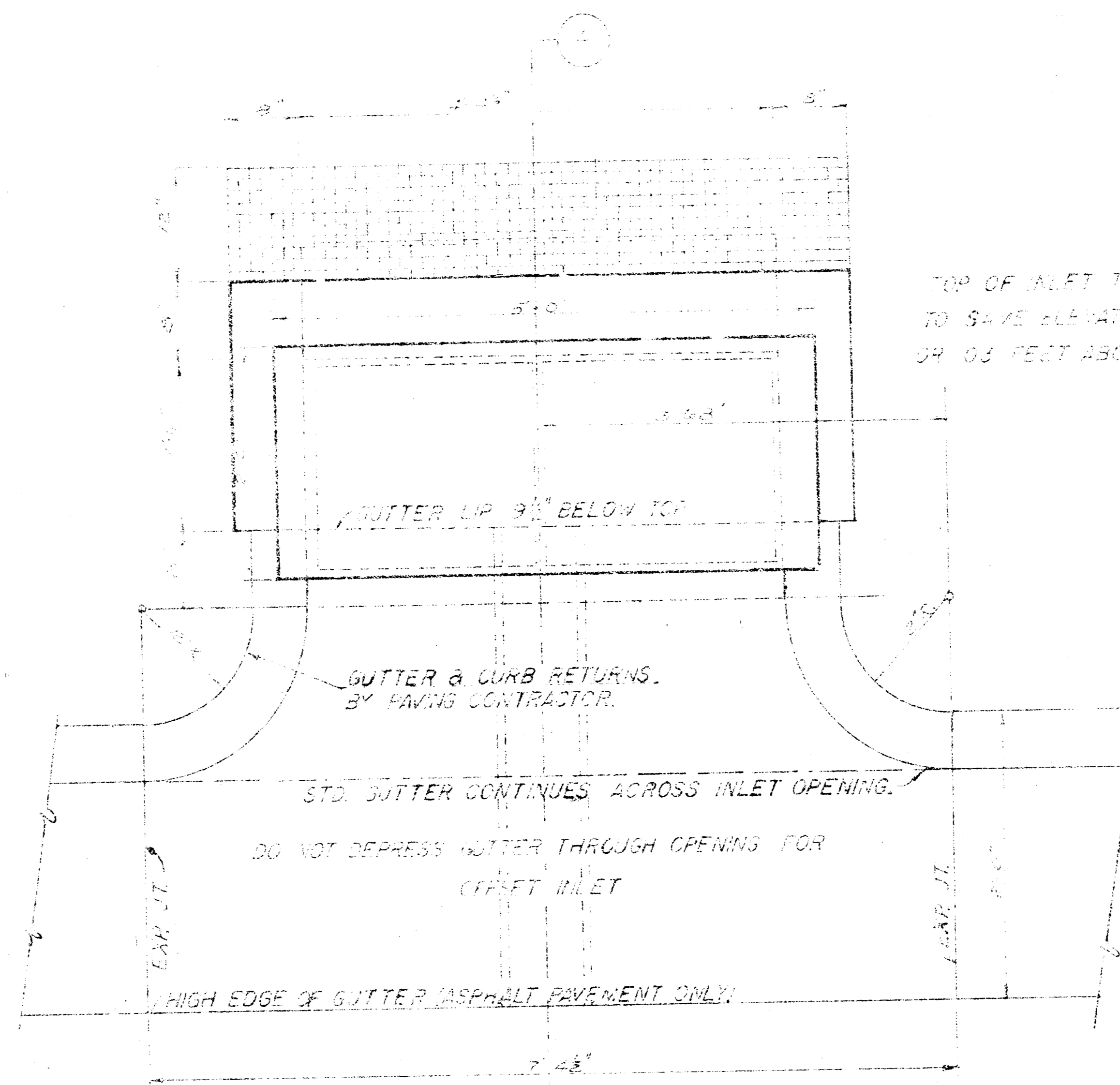
2/10
 10

THIS TYPE INLET TO BE USED WHEN PAVEMENT IS ASPHALT PAVEMENT WITH ASPHALT BASE COURSE AND/OR WHEN PAVEMENTS HAVE ROLL CURB.

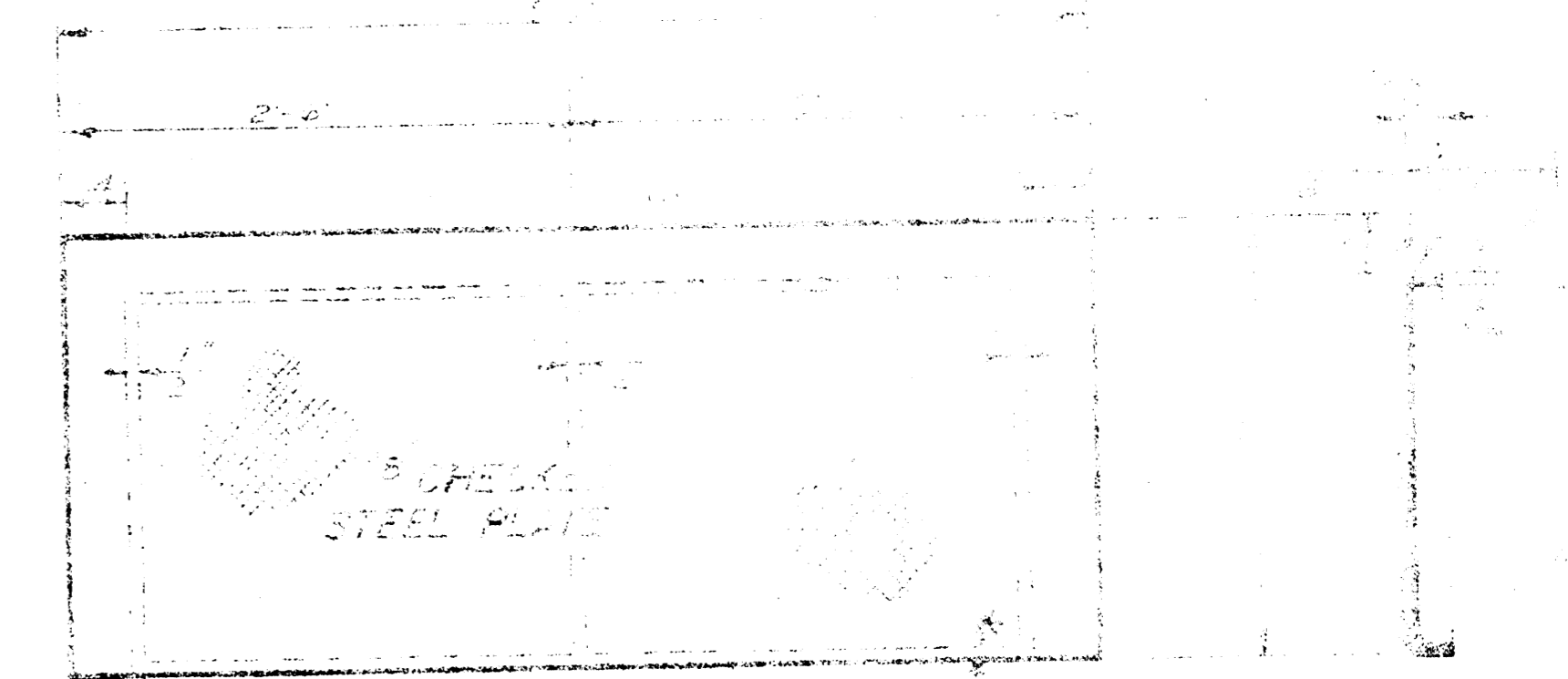
NOTE: STRUCTURAL STEEL FOR INLET COVER SHALL CONFORM WITH THE LATEST REVISION OF THE AMERICAN SOCIETY FOR TESTING AND MATERIALS DESIGNATION C32.



ELEVATION

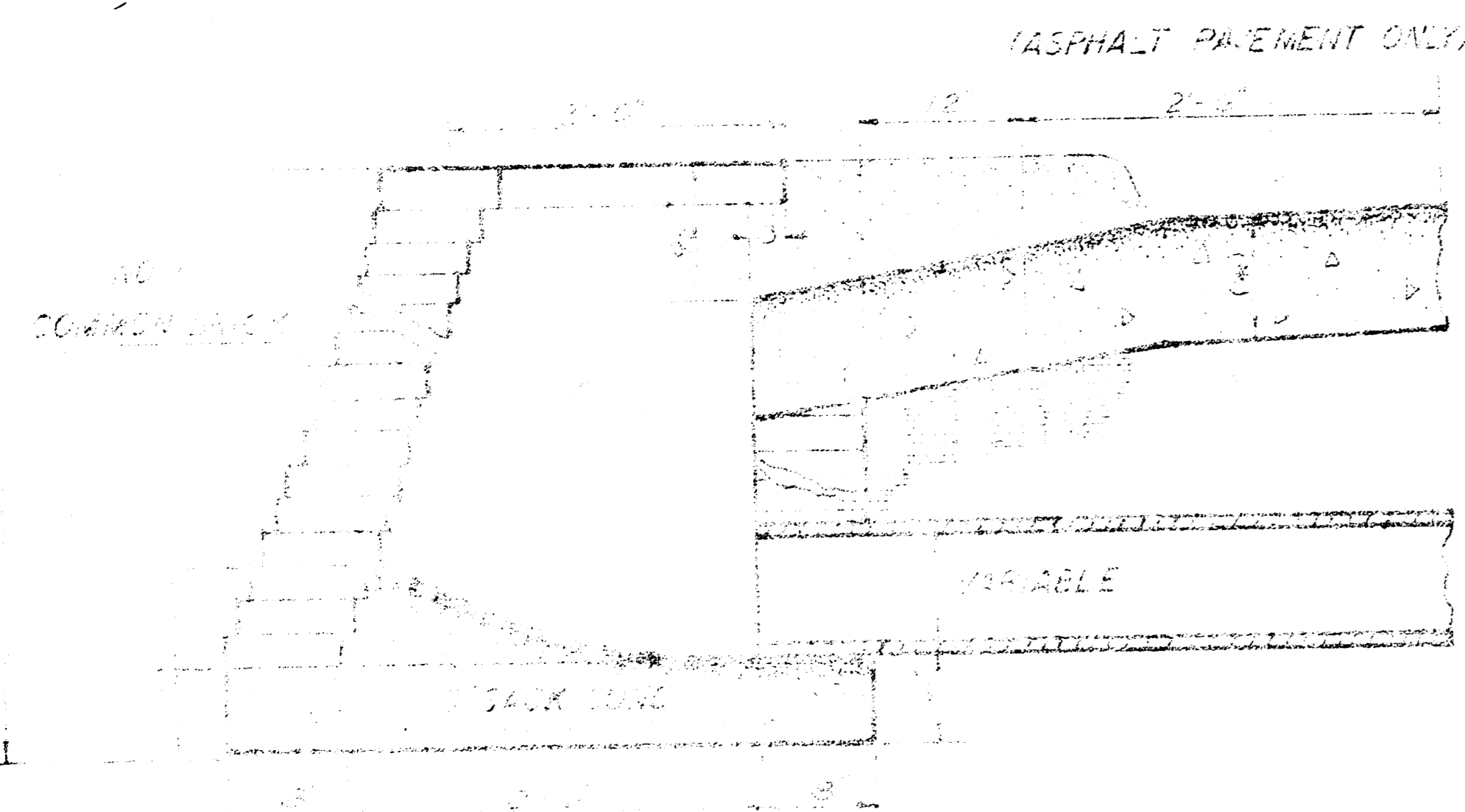


PLAN



PLAN SECTION

ELEVATION



SECTION THRU INLET
INLET DETAIL
SCALE 1/4"=1'-0"

NOTE: BRICK FOR INLET CONSTRUCTION SHALL CONFORM WITH THE LATEST REVISION OF THE AMERICAN SOCIETY FOR TESTING AND MATERIALS DESIGNATION C32 FOR MANHOLE BRICK GRADE MS.

STANDARD 2x5 INLET AT SET-BACK LOCATION
SCALE 1/4"=1'-0"

(*) CURB & GUTTER OR PAVEMENT THICKNESS

NOTE:
INLET COVER PLATES MUST BE MARKED TO INDICATE THEY ARE PROPERTY OF THE CITY OF WICHITA. CAST IRON INLET COVERS SHALL BE IMPRINTED ON THE TOP SURFACE WITH "CITY OF WICHITA" USING LETTERS AT LEAST 1-1/2" IN HEIGHT. STRUCTURAL STEEL INLET COVERS SHALL BE ENGRAVED WITH CAPITAL LETTERS "C.W." ON THE UNDERSIDE IN THE CORNER INDICATED BY ASTERISK WITH LETTERS AT LEAST 1-1/8" IN HEIGHT. THE LETTERS "C.W." MAY BE FORMED BY USING AN ARC WELD BEAD. OTHER METHODS OF IDENTIFICATION OF STRUCTURAL STEEL INLET COVERS MAY BE USED WHEN APPROVED BY THE ENGINEER. EQUIVALENT CAST IRON INLET COVER MAY BE SUBSTITUTED FOR STRUCTURAL STEEL INLET COVER WHEN APPROVED BY THE ENGINEER.

CITY OF WICHITA
STEEL INLET COVER
WEIGHT-SHEET
SHEET NUMBER 5004-04
SCALE 1/4"=1'-0"

DETAIL
STANDARD 2x5 INLET
(SET BACK LOCATION)

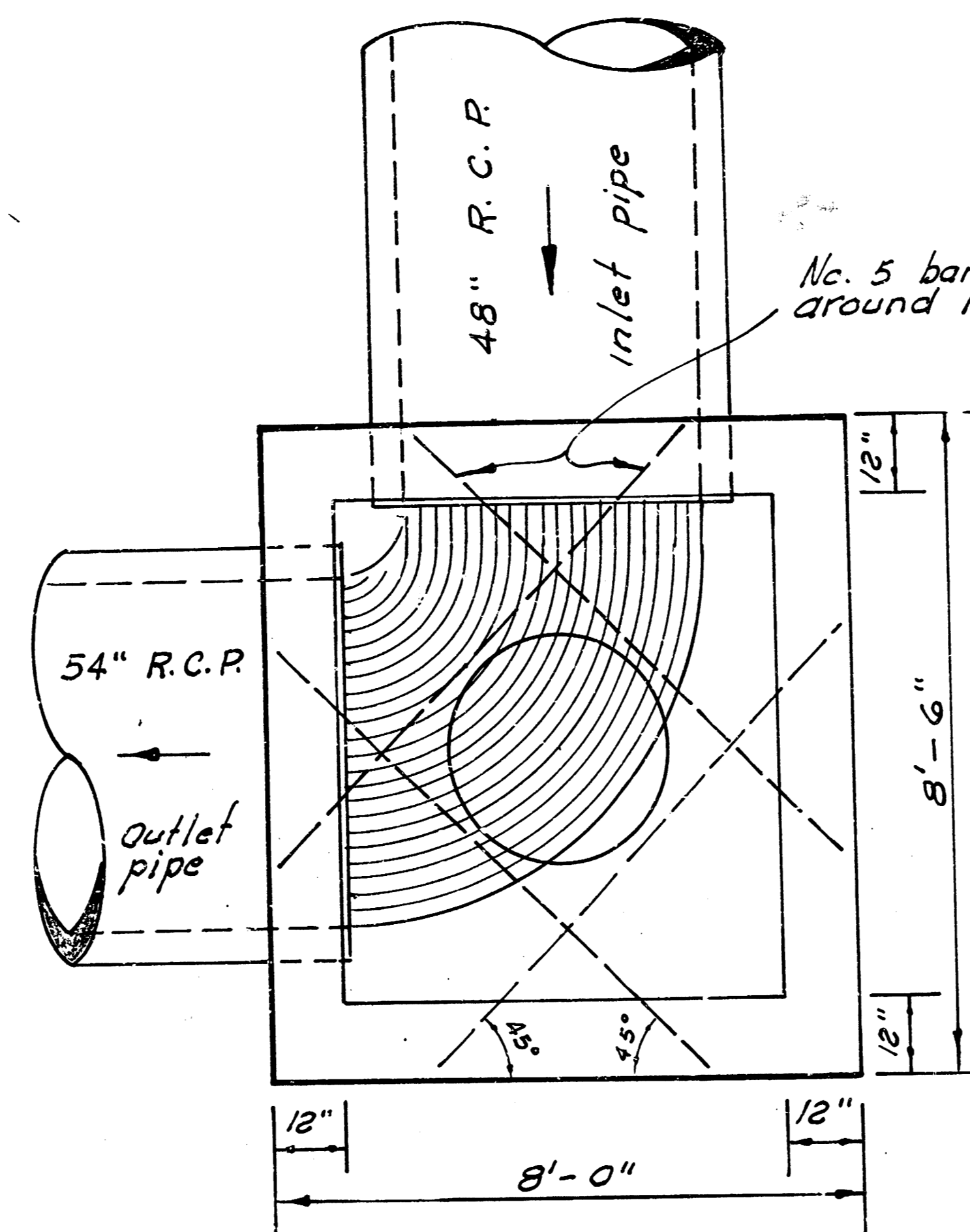
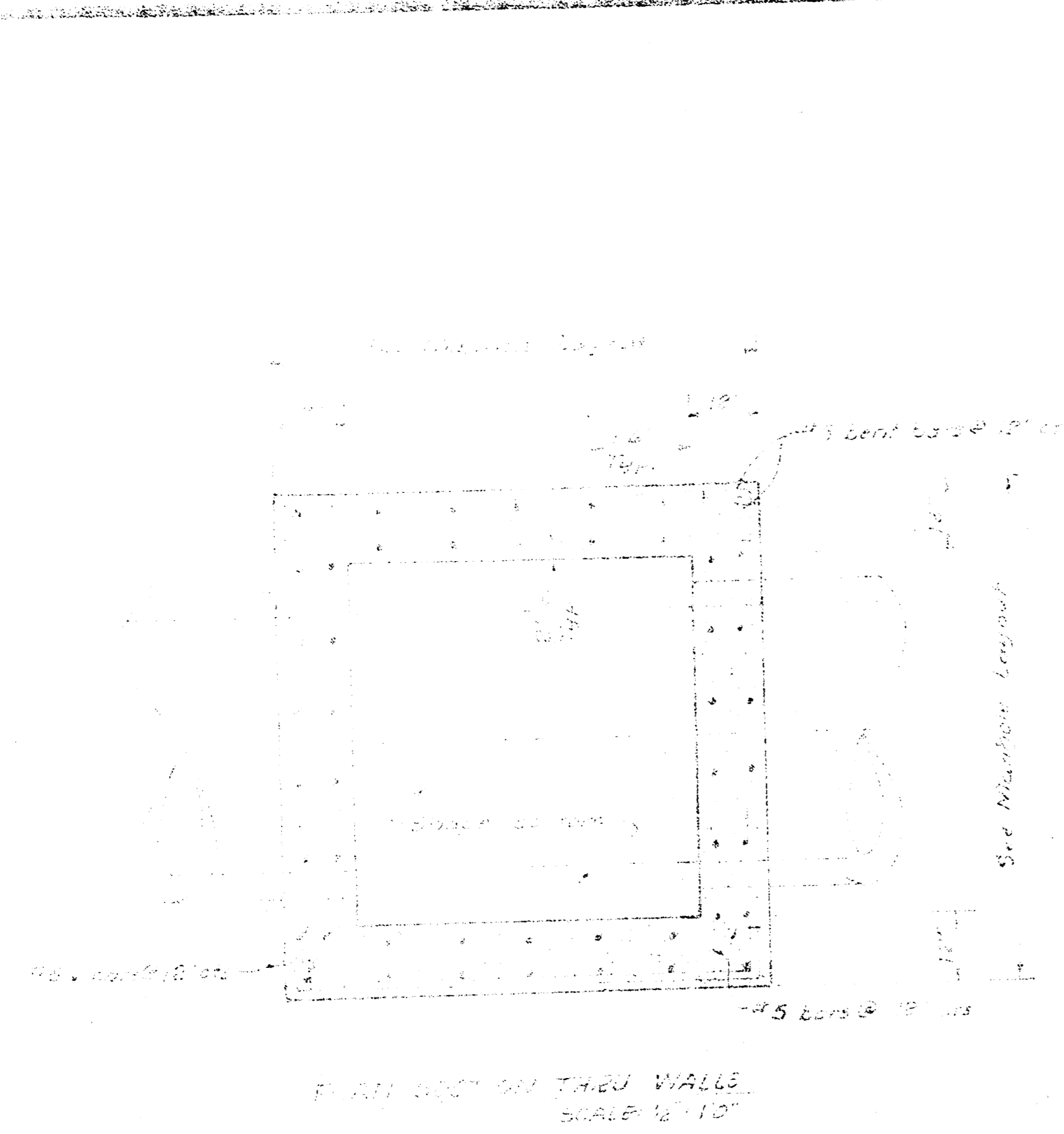
CITY OF WICHITA, KANSAS

R. W. LINN CITY ENGINEER

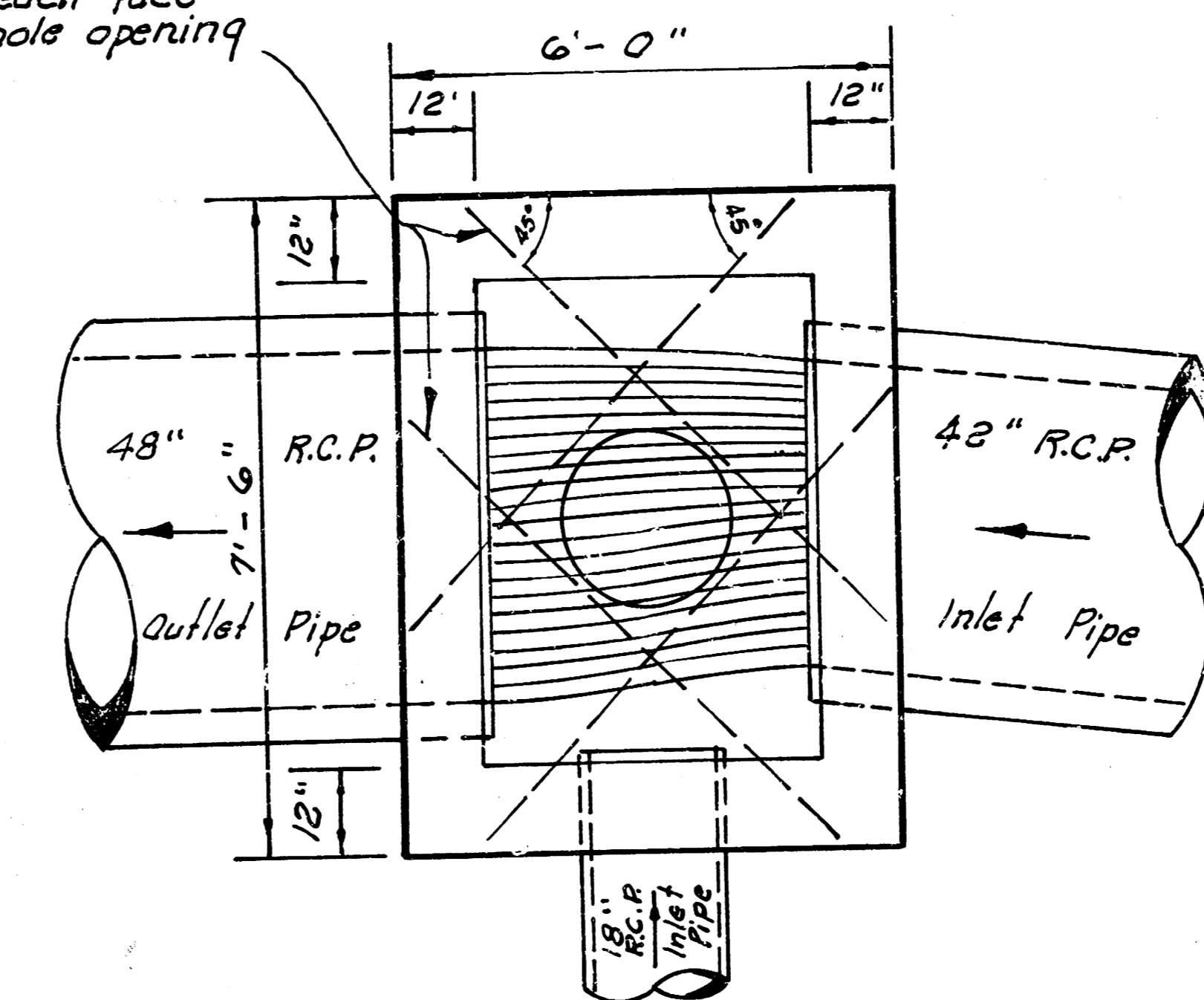
JUNE 1974

S. W. S. NO. 110
PROJECT NO. DBKA 57 4 0 53

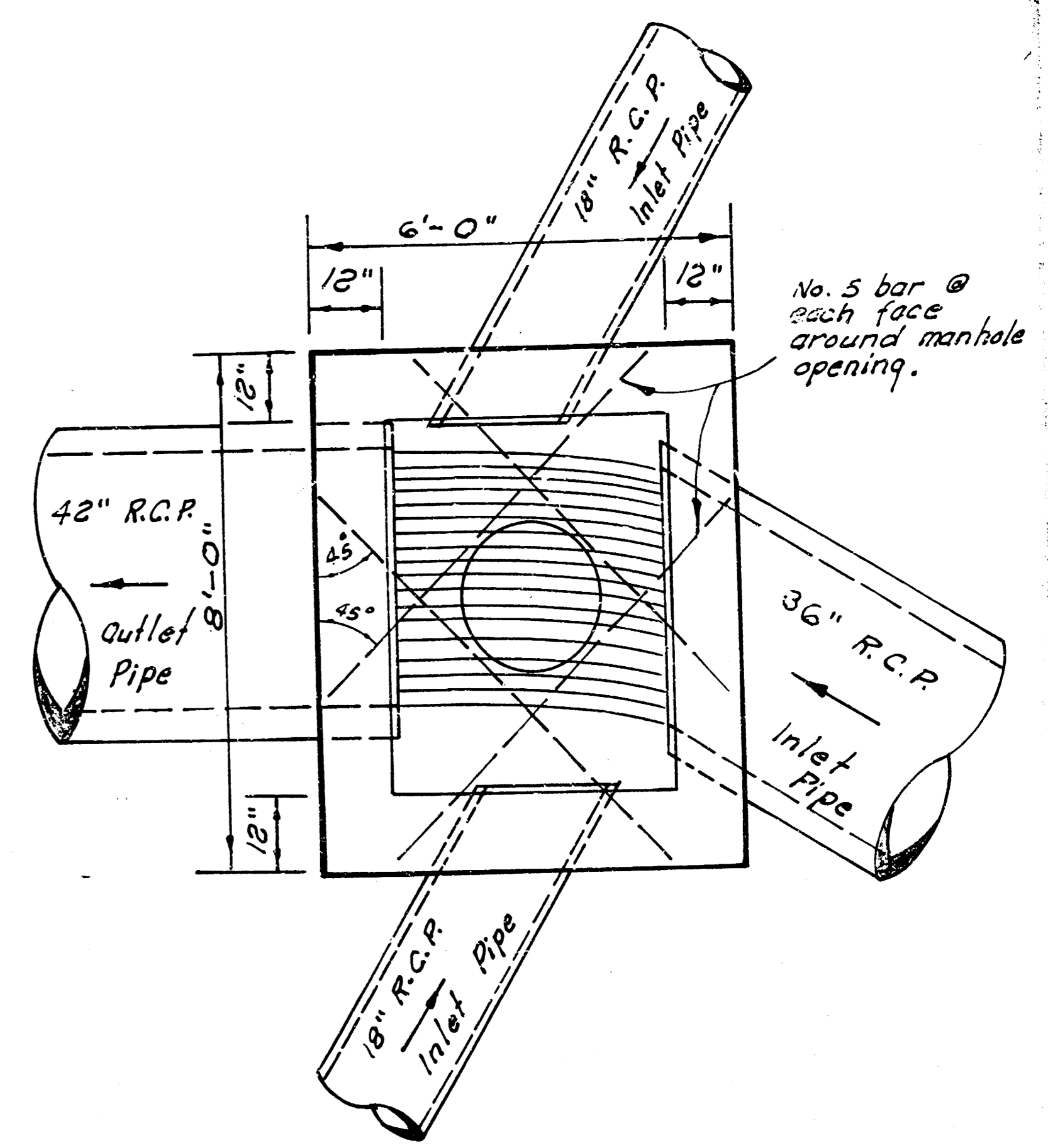
8/10/10



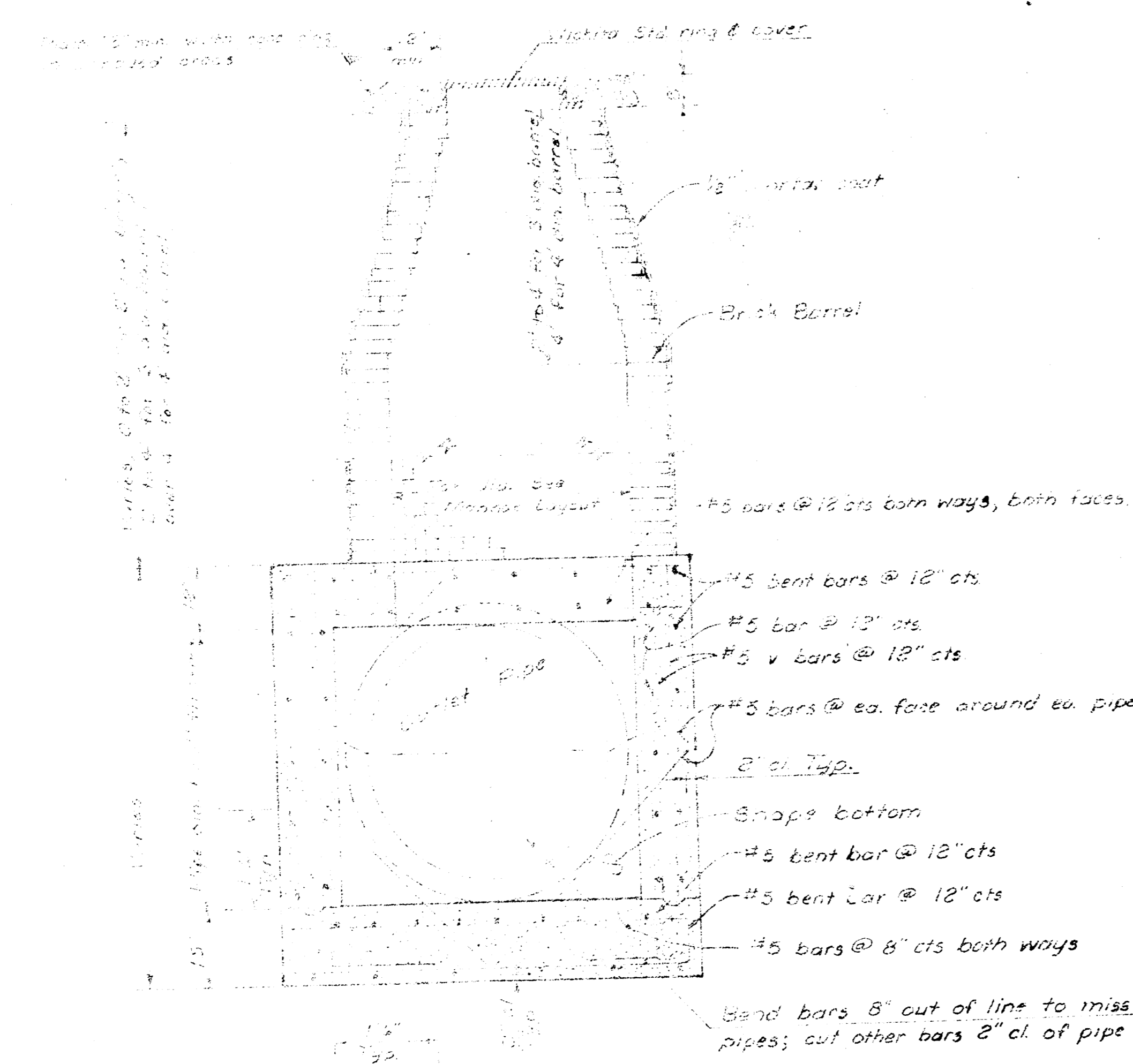
PLAN SECTION
Sta. 9+34.1



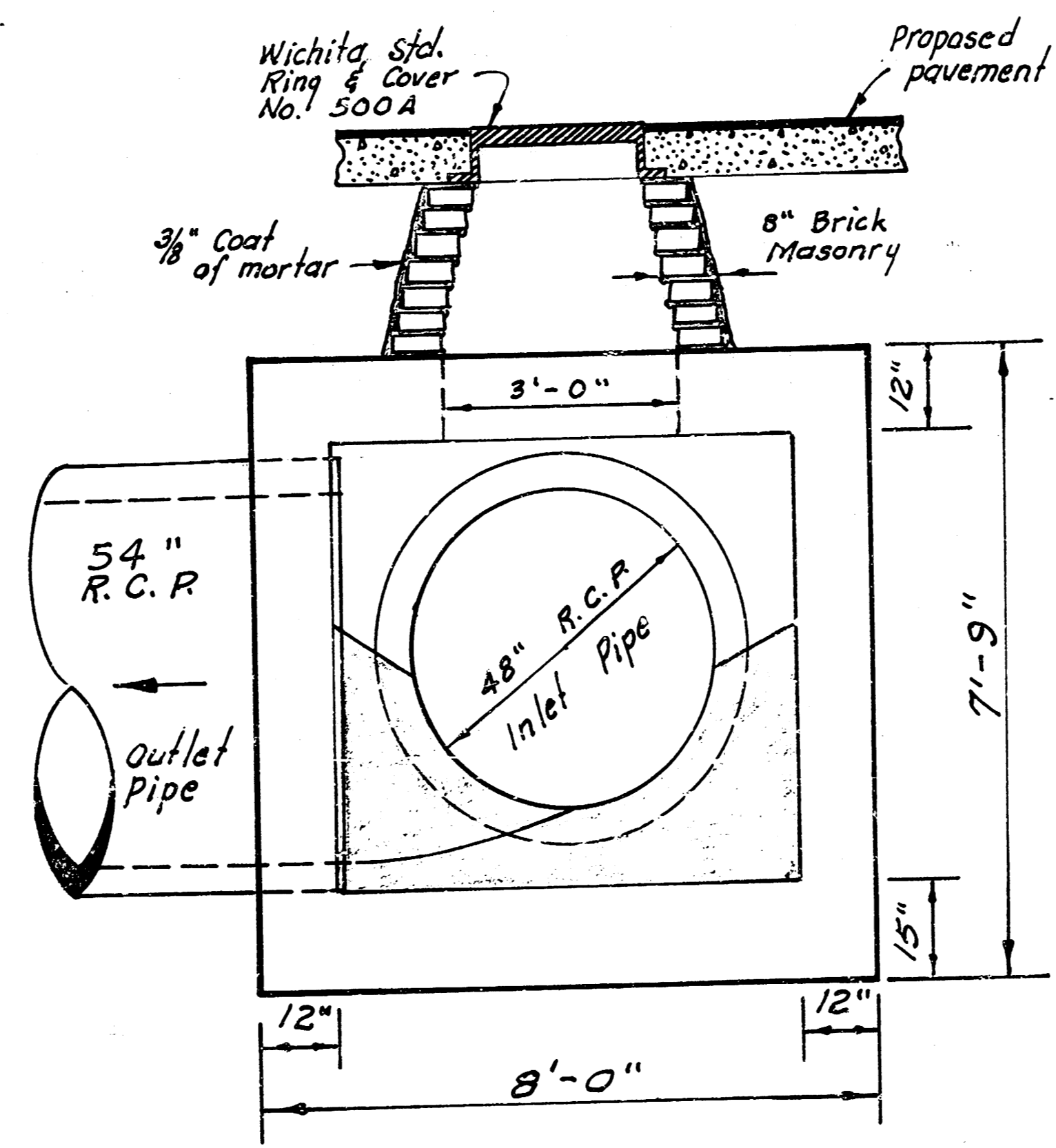
PLAN SECTION
Sta. 9+90.6



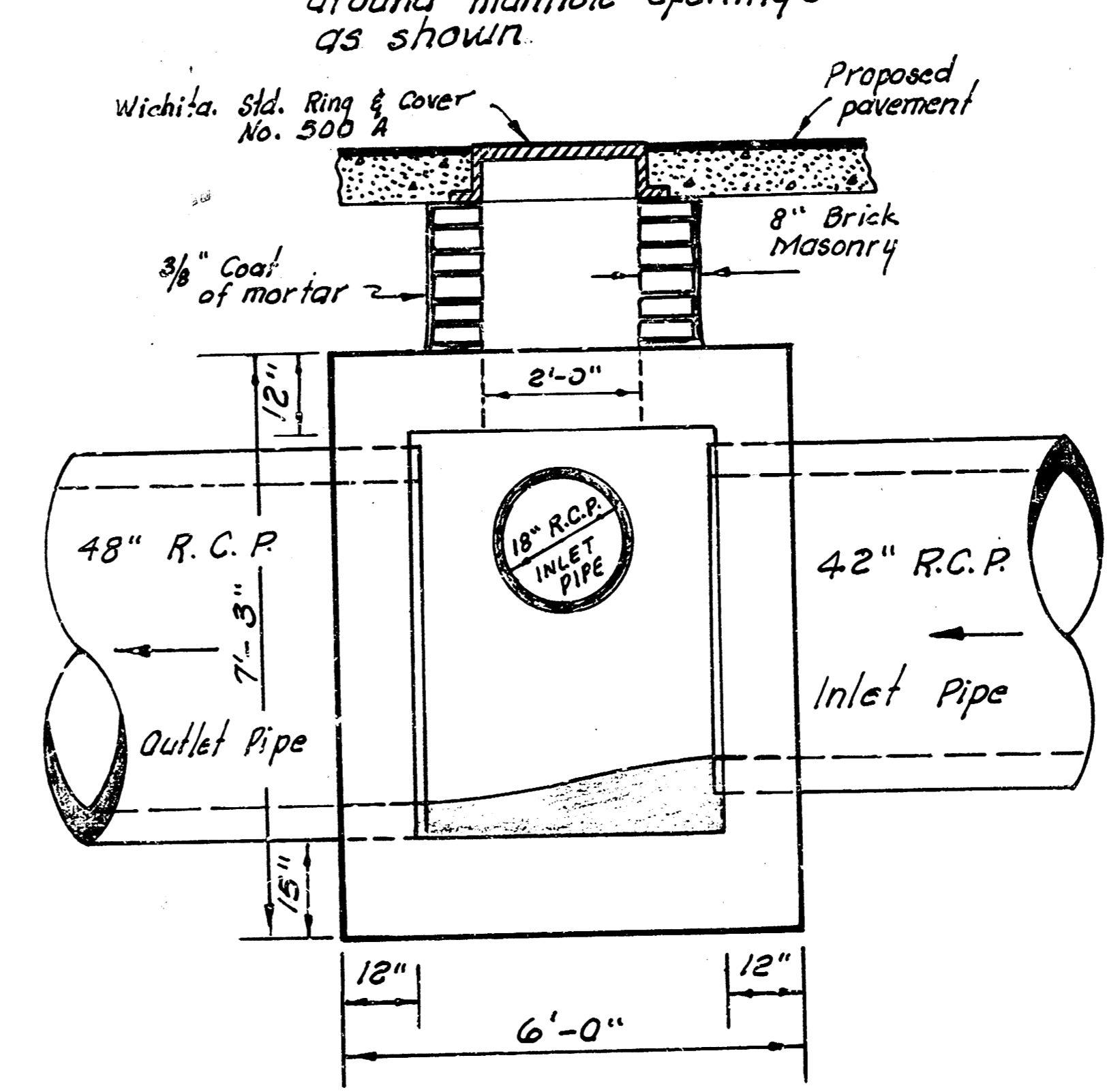
PLAN SECTION
Sta. 13+88.5



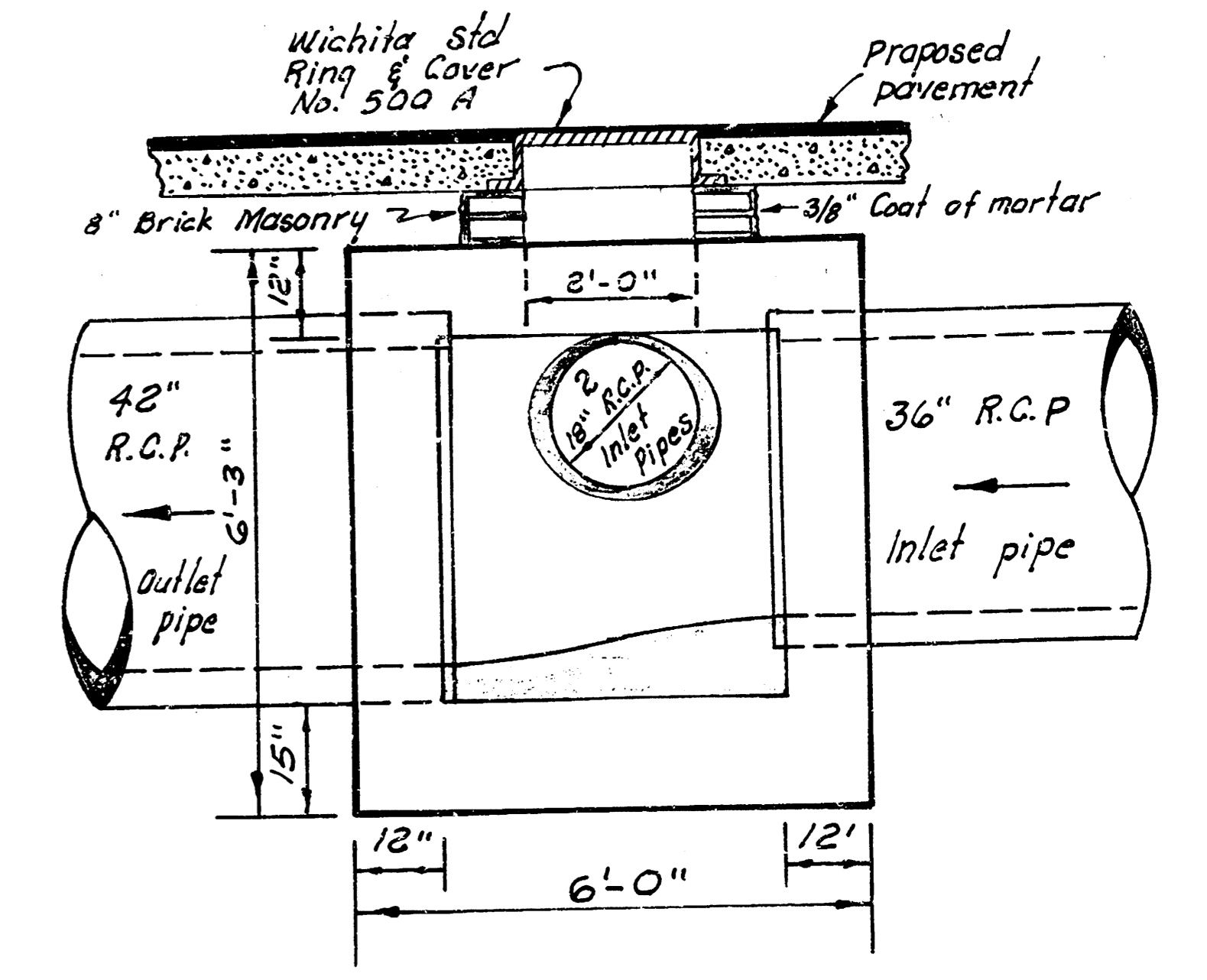
TYPICAL ELEVATION SECTION
SCALE 1/2"=1'-0"



ELEVATION SECTION
Sta. 9+34.1



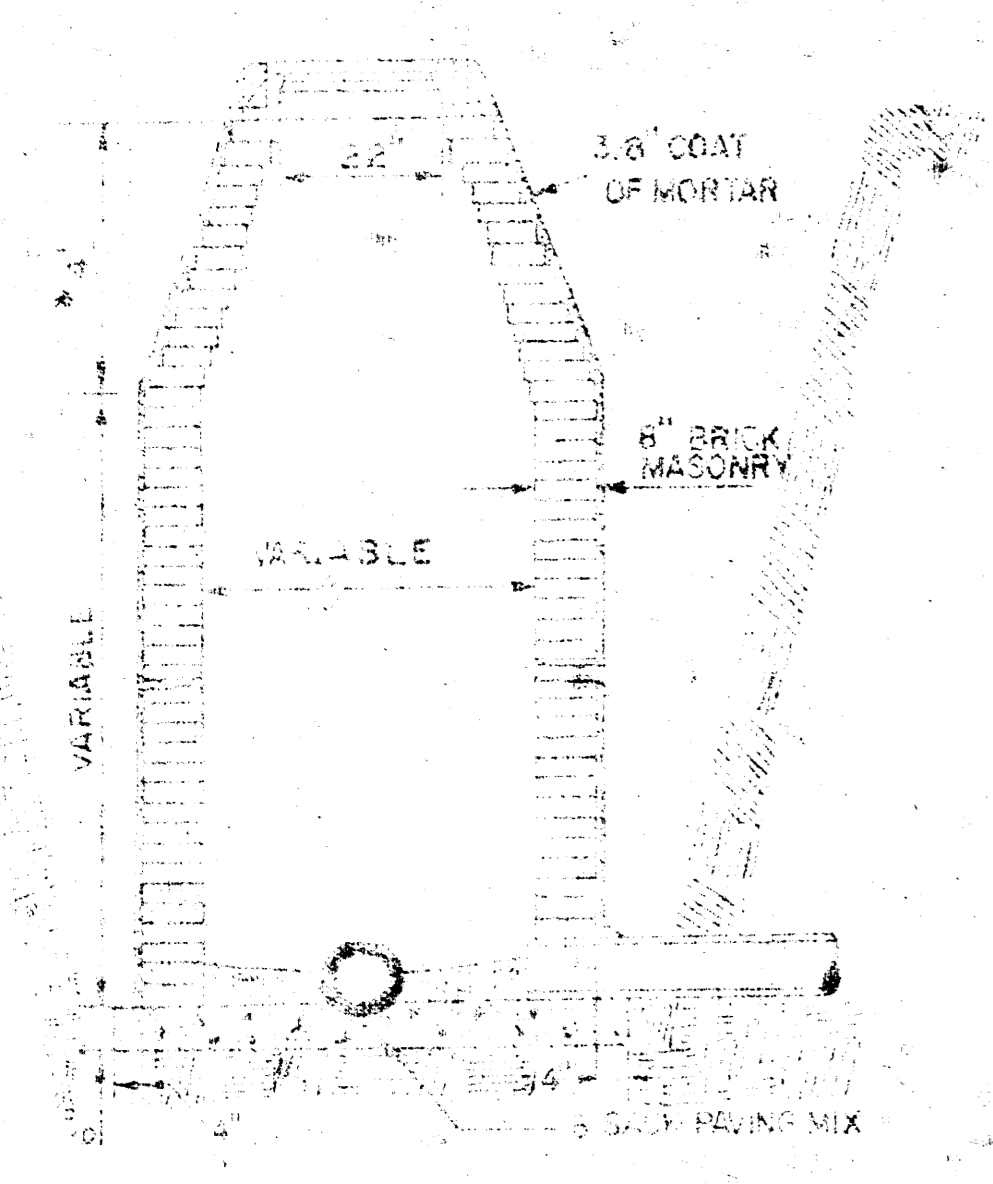
ELEVATION SECTION
Sta. 9+90.6



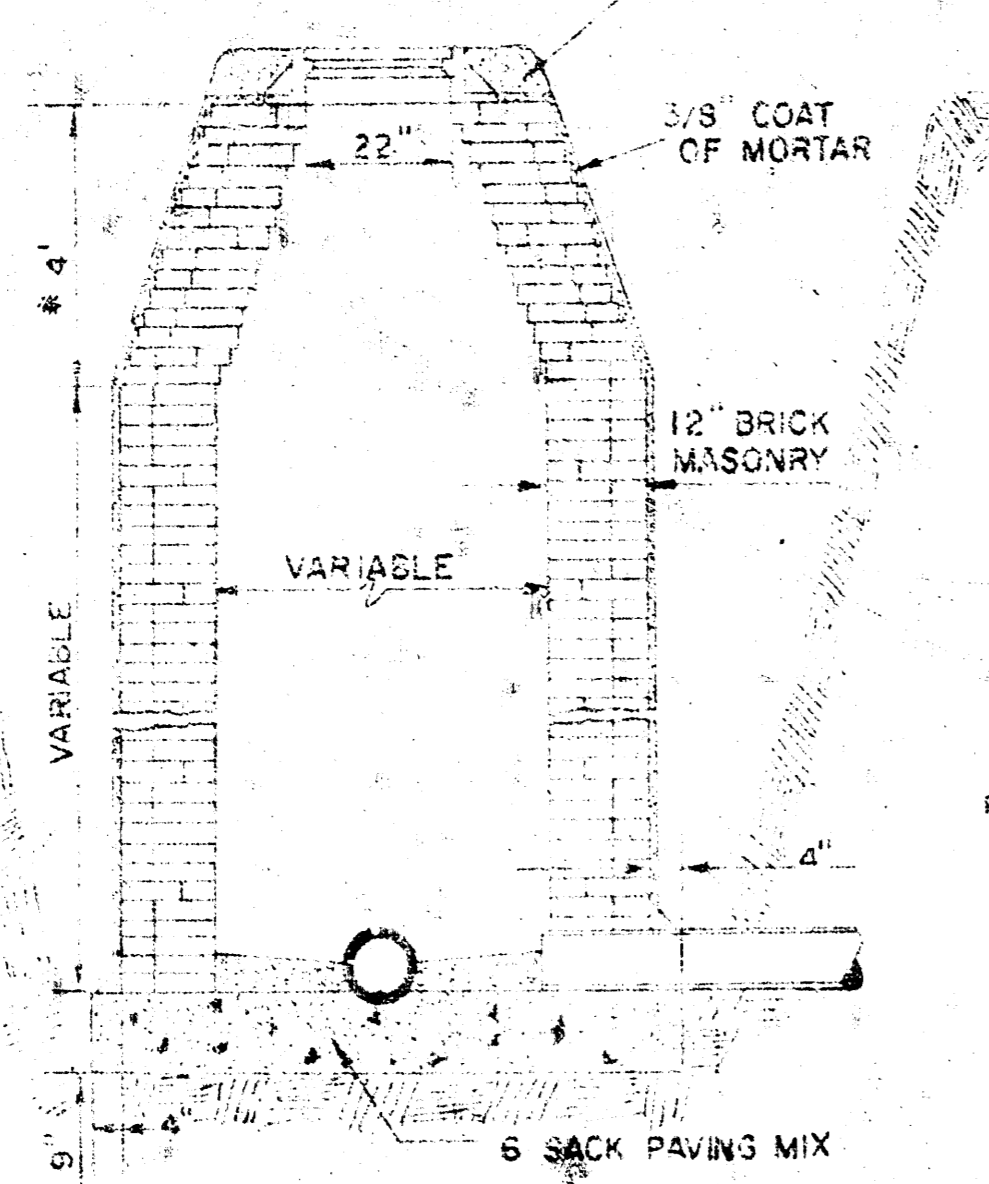
ELEVATION SECTION
Sta. 13+88.5

NOTE: Use the steel pattern shown in typical section at left hand side of sheet. Additional steel is required around manhole openings as shown.

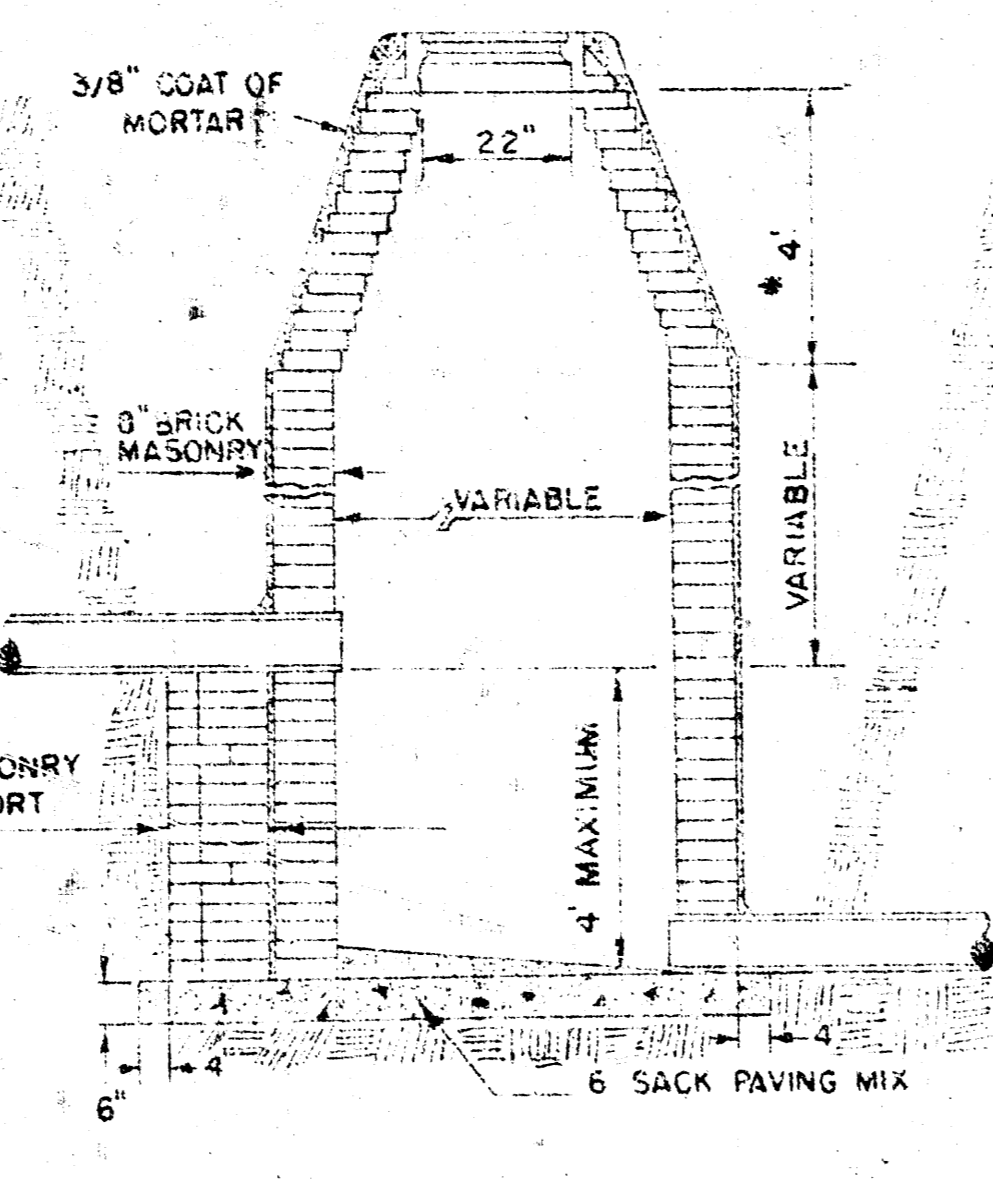
GROUT TO BE PLACED AROUND MANHOLE LEARNING ONLY WHEN MANHOLE IS CONSTRUCTED IN UNPAVED AREAS. (TYPICAL ALL MANHOLES)



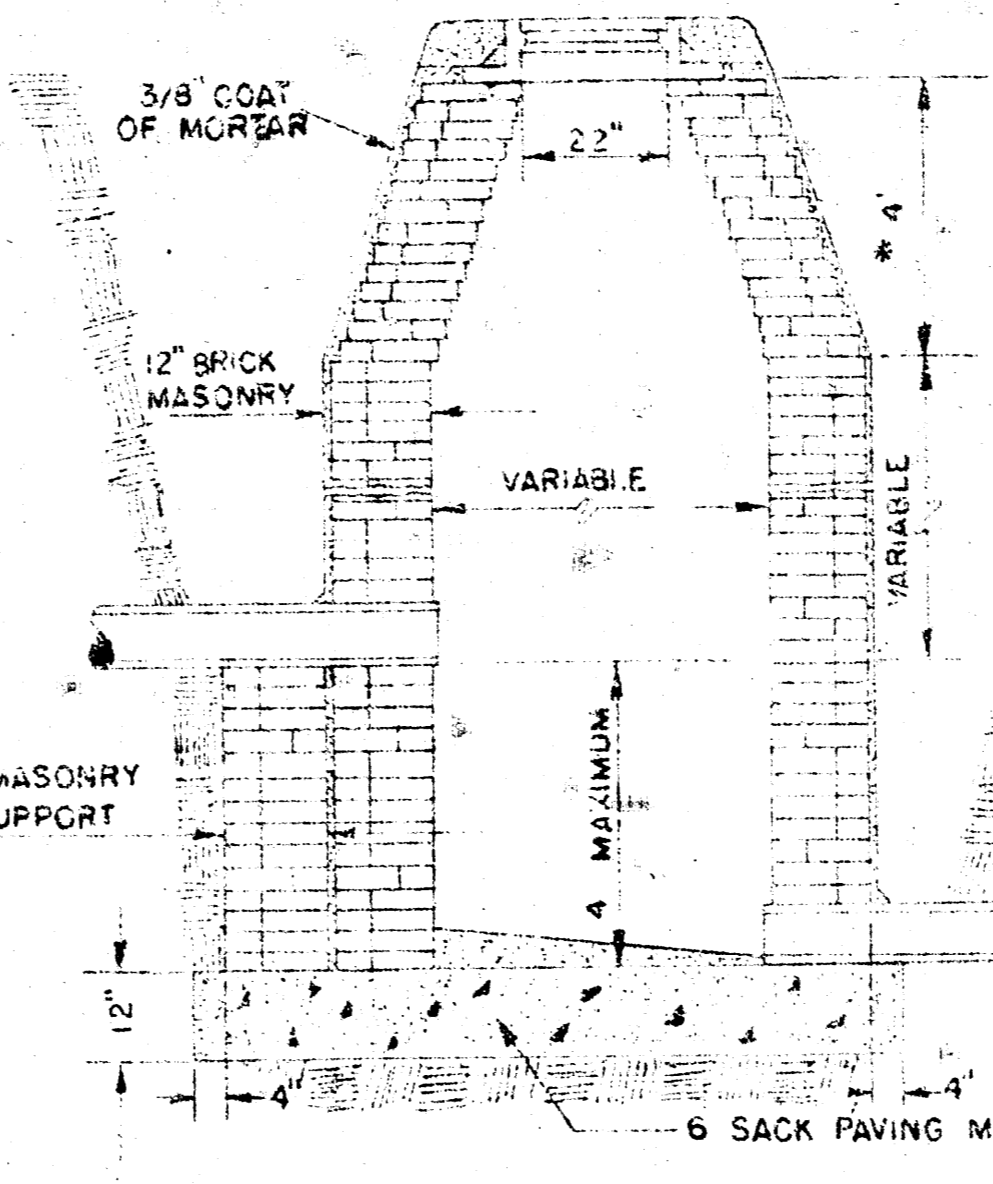
STANDARD MANHOLE TYPE "A"



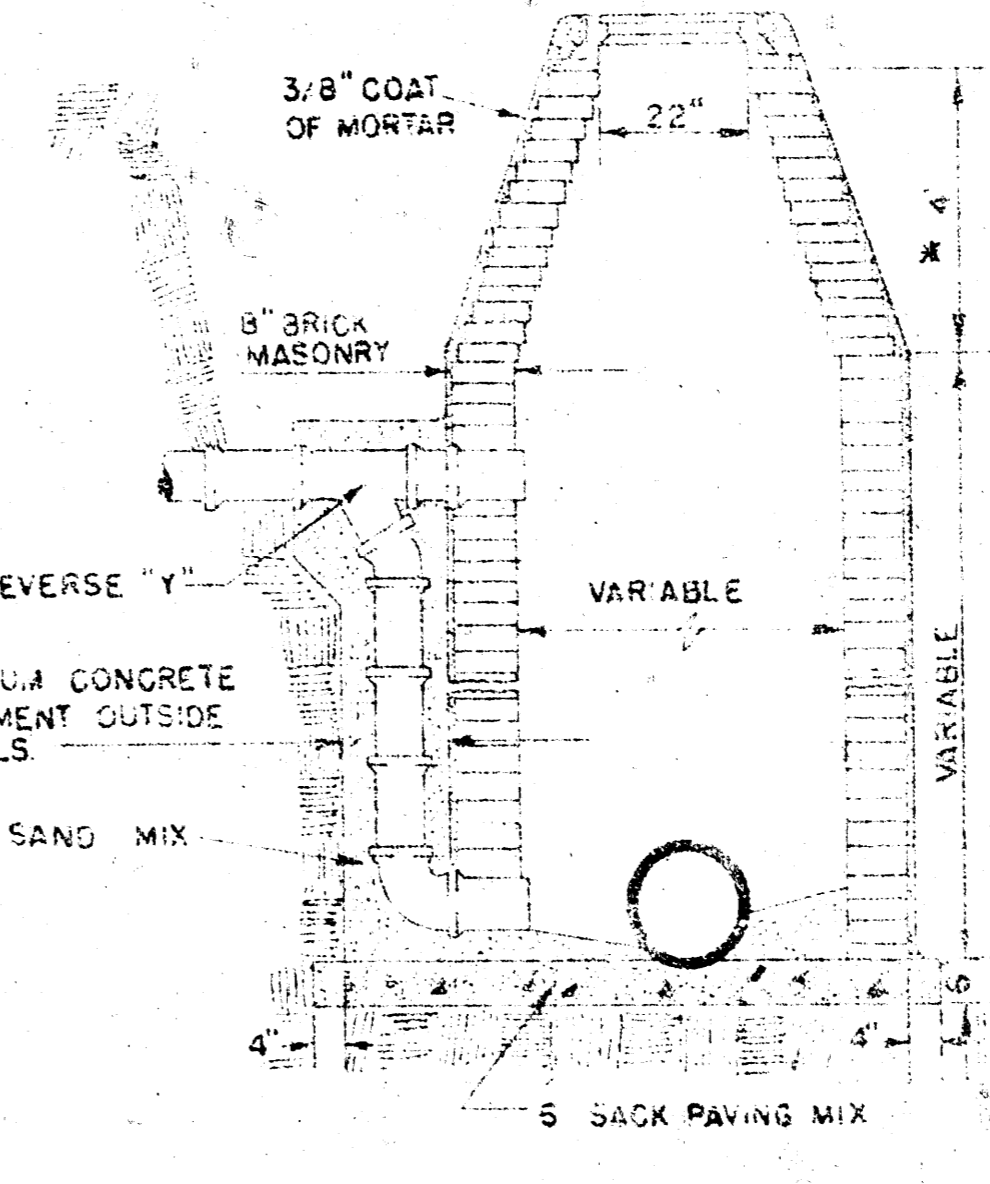
STANDARD MANHOLE TYPE "B"



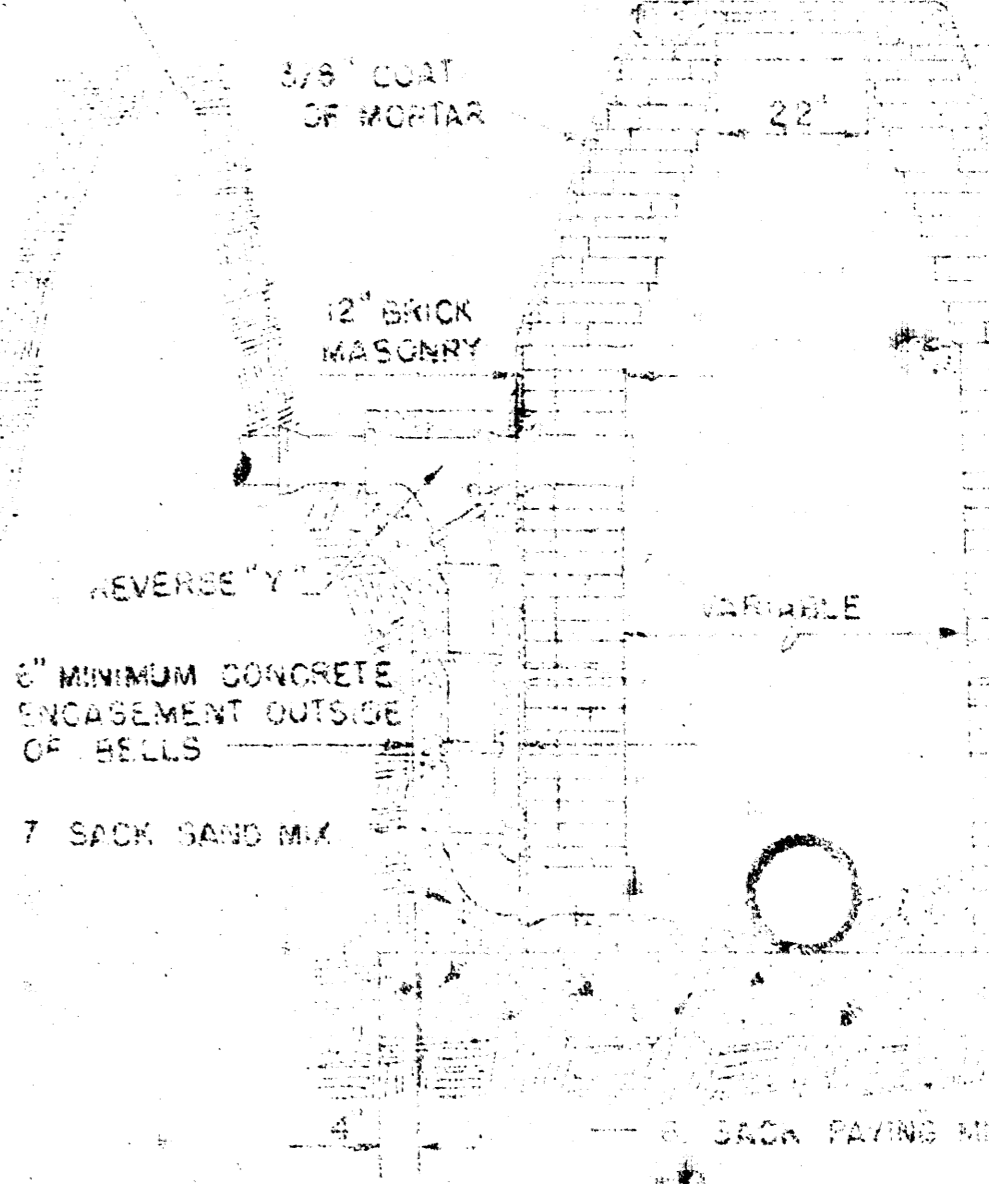
DROP MANHOLE TYPE "A"



DROP MANHOLE TYPE "B"

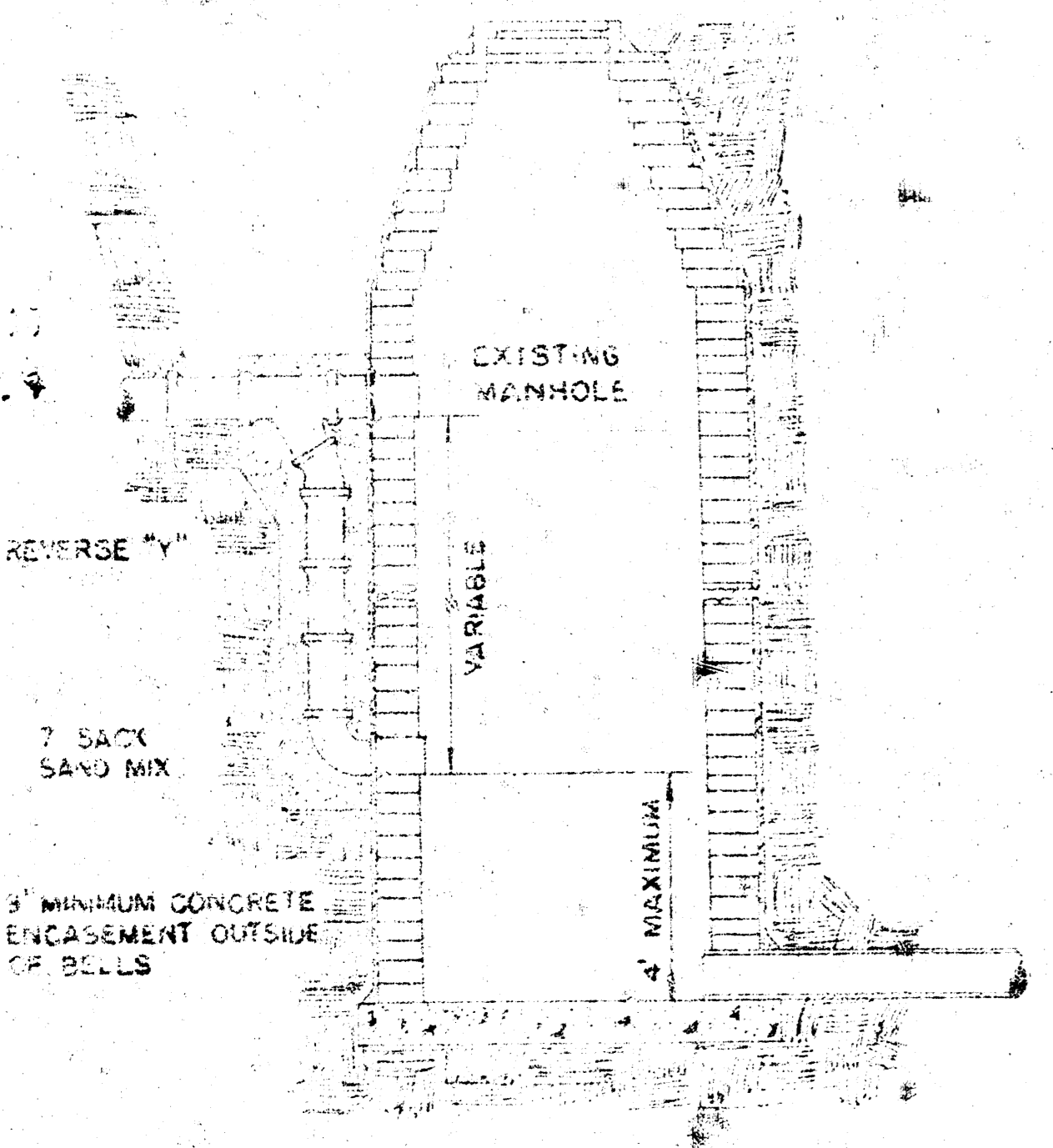


OUTSIDE DROP MANHOLE TYPE "A"

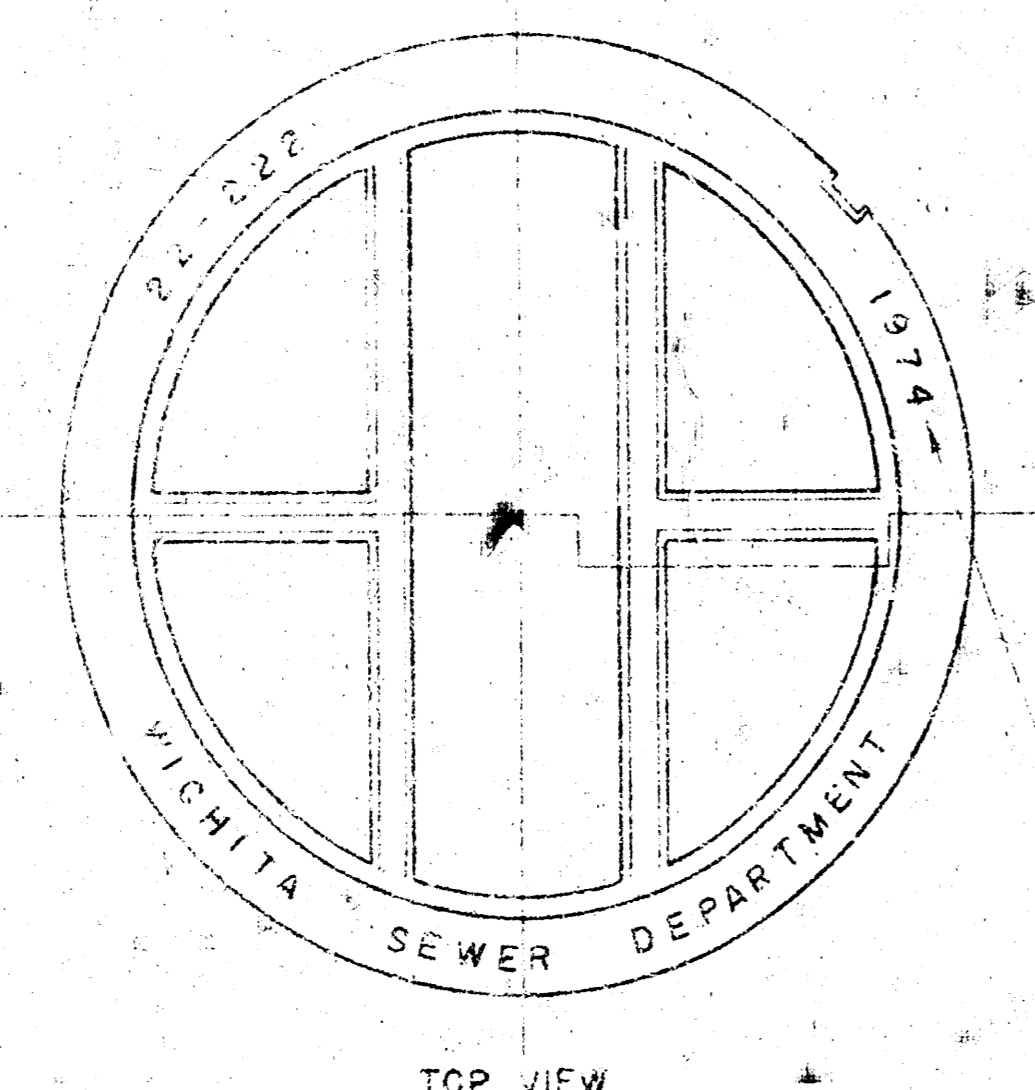


OUTSIDE DROP MANHOLE TYPE "B"

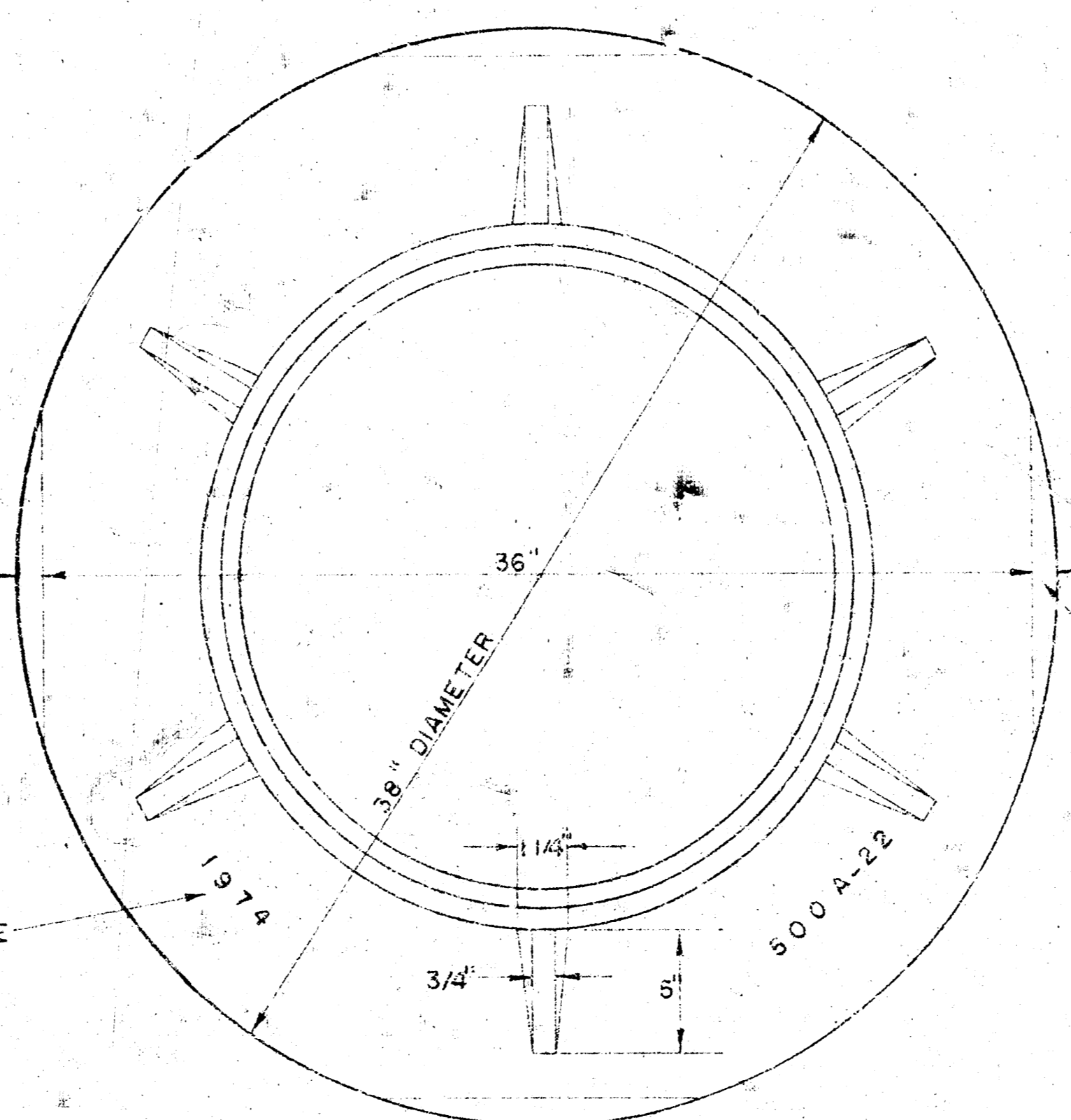
DRAW = 6' ON 5' DIA. M.H.



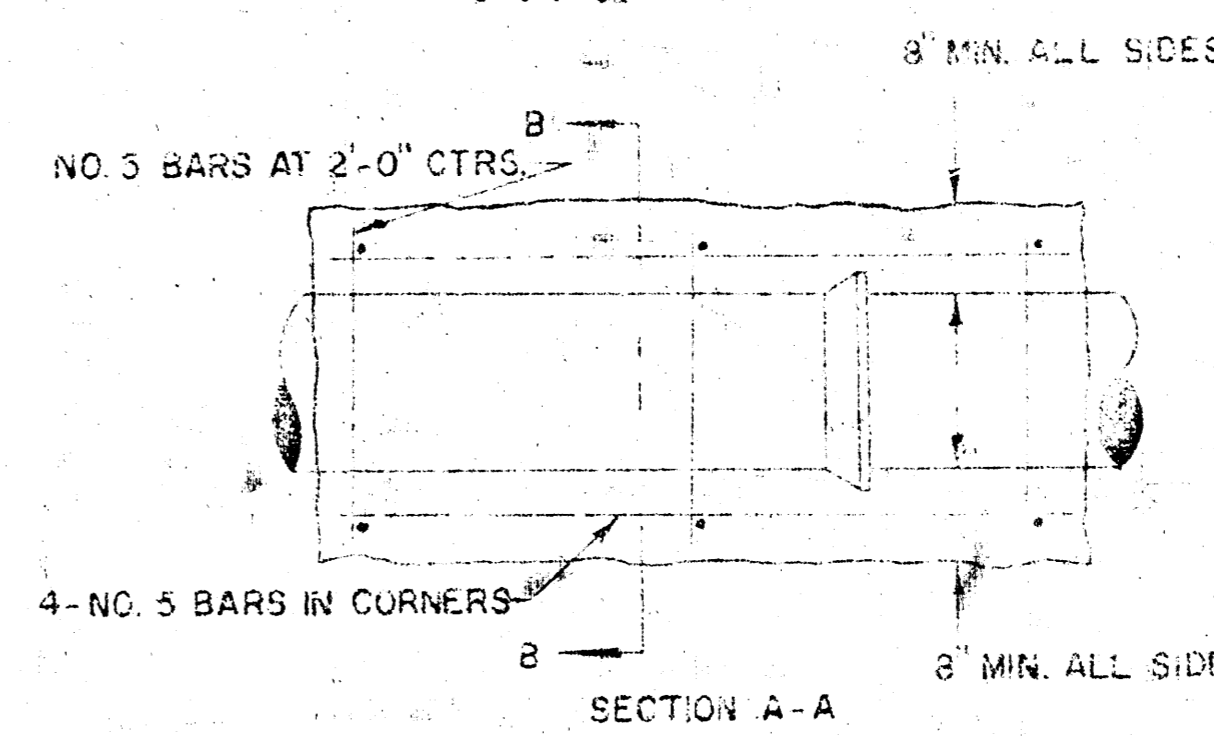
DETAIL OF DROP STACK FOR EXISTING MANHOLES IN GROUND WATER



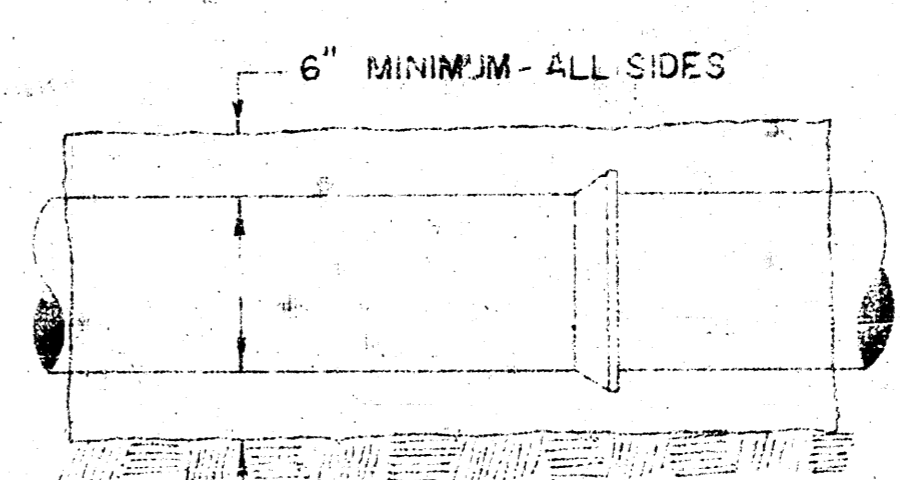
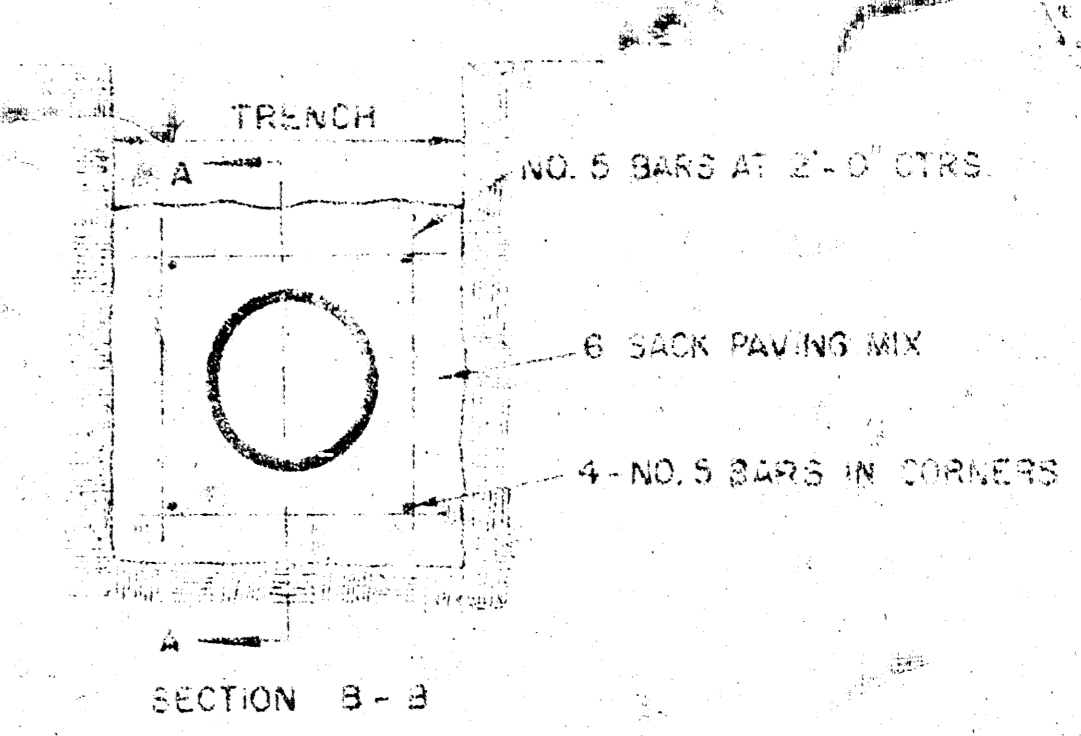
MANHOLE COVER WEIGHT 110 LBS.



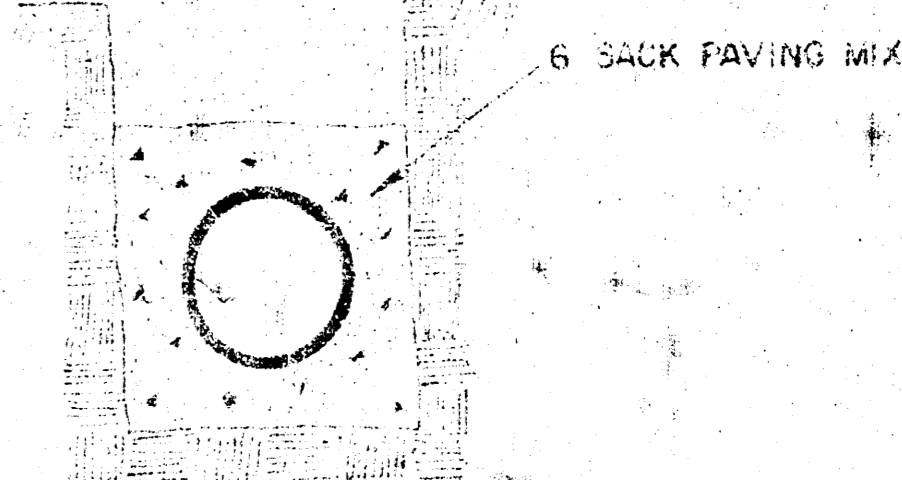
MANHOLE RING WEIGHT 325 LBS. RING NO. 500A WEIGHT 800 LBS. RING NO. 500AS



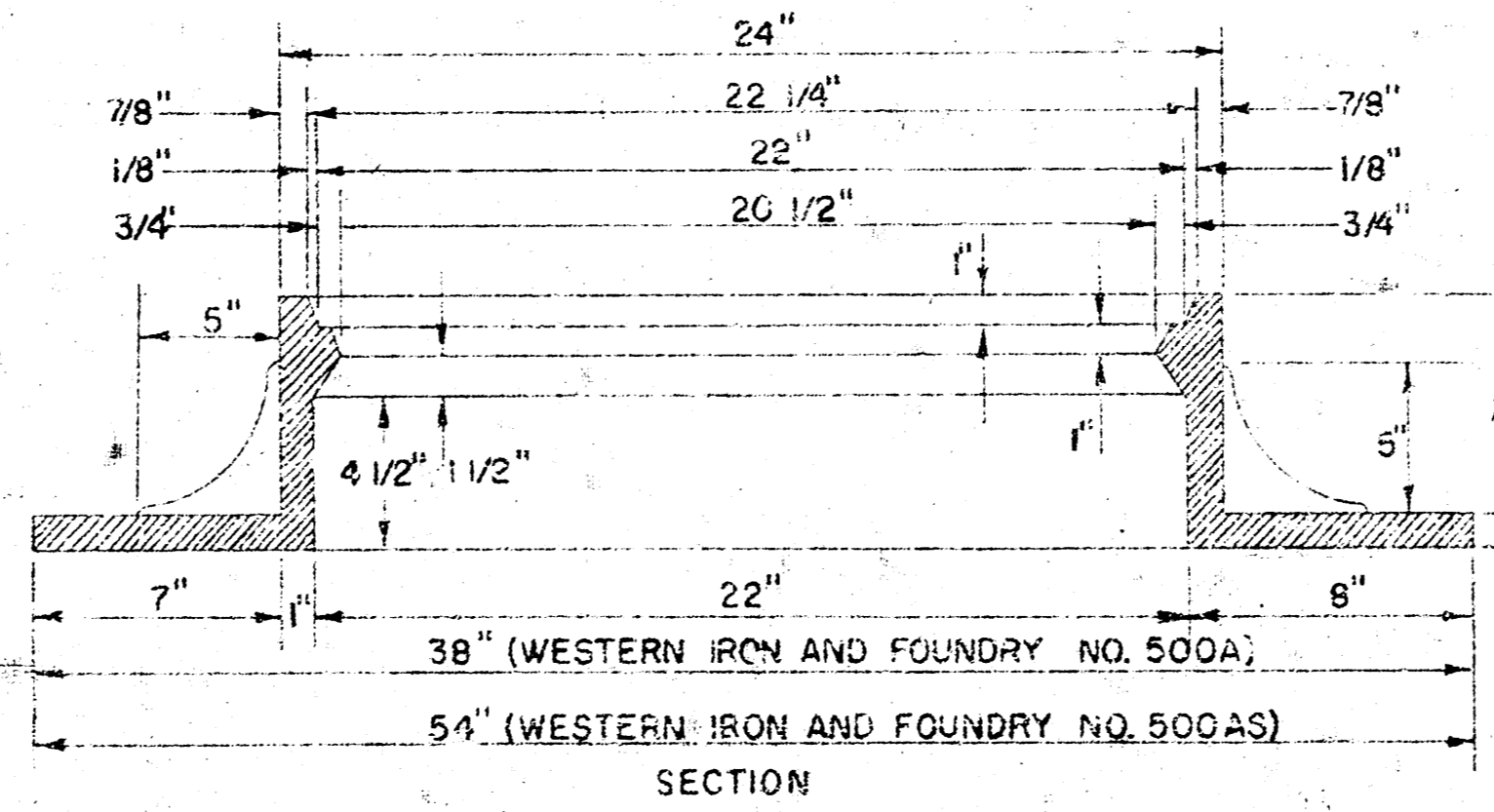
REINFORCED CONCRETE ENCASEMENT FOR STRENGTH



CONCRETE ENCASEMENT FOR COVER

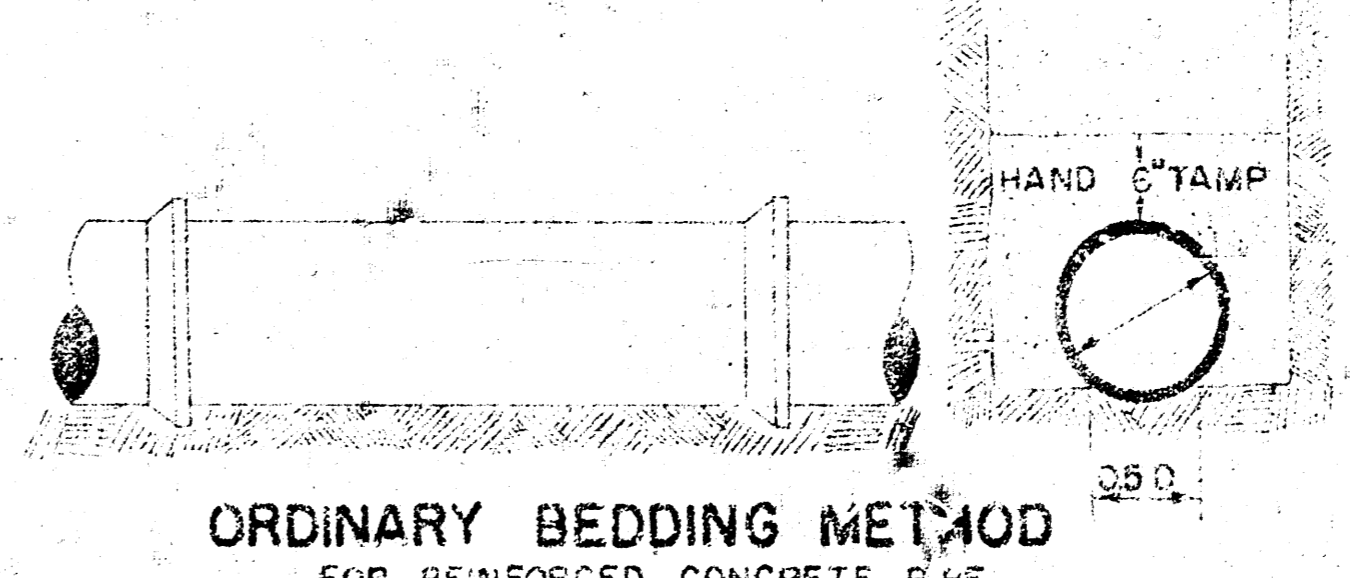


ORDINARY BEDDING METOD FOR CLAY PIPE



MANHOLE RING

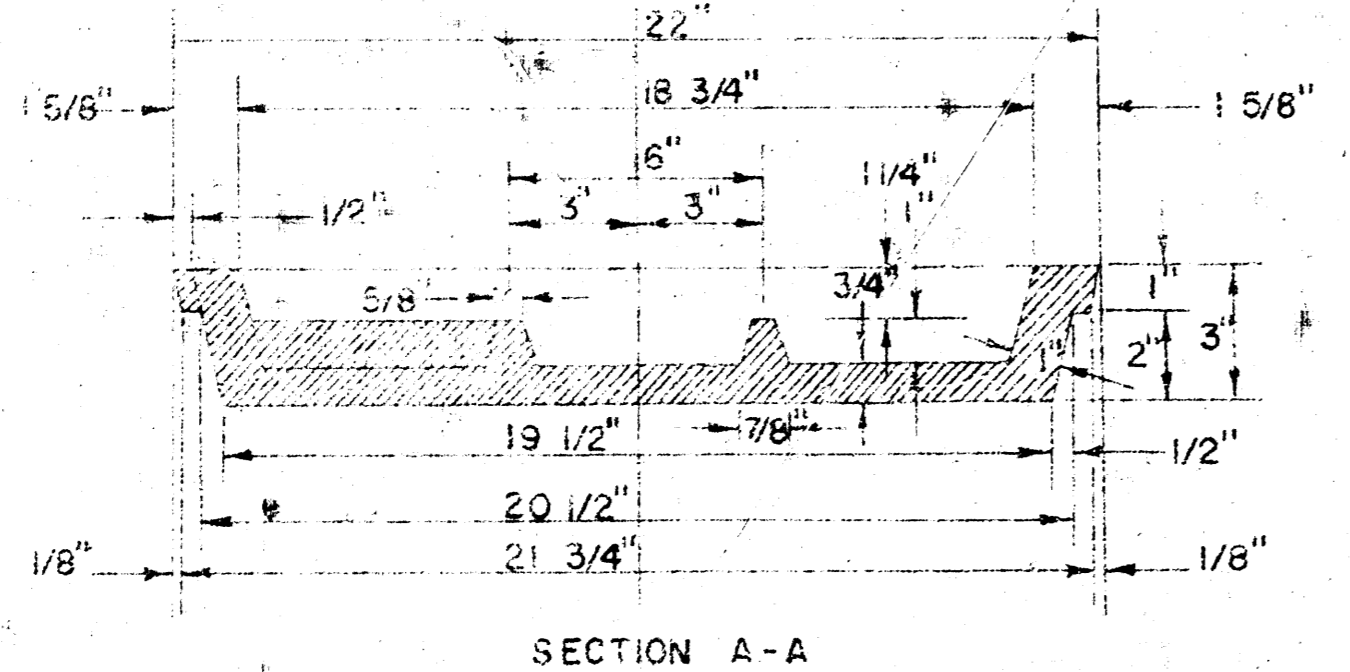
OUTSIDE CIRCUMFERENCE OF COVER AND THE INNER FACE AND SEAT OF RING TO BE MACHINE FIT.



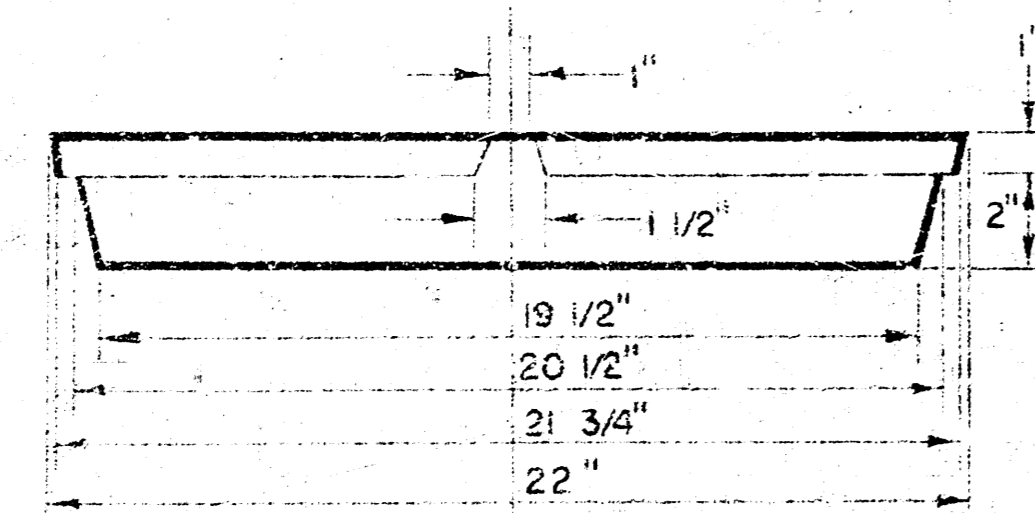
ORDINARY BEDDING METOD FOR REINFORCED CONCRETE PIPE

GENERAL NOTES

- MORTAR USED IN MASONRY CONSTRUCTION SHALL CONTAIN 6 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 ENDS OF ALL MANHOLES SHALL BE SHAPED TO INCREASE HYDRAULIC EFFICIENCY USING 6 SACK SAND MIX CONCRETE.



MANHOLE COVER



MANHOLE COVER

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

PROJECT NO. DBKA 5 74033