

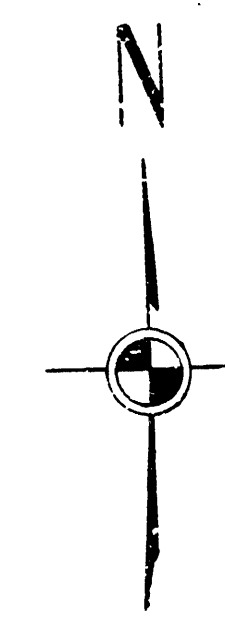
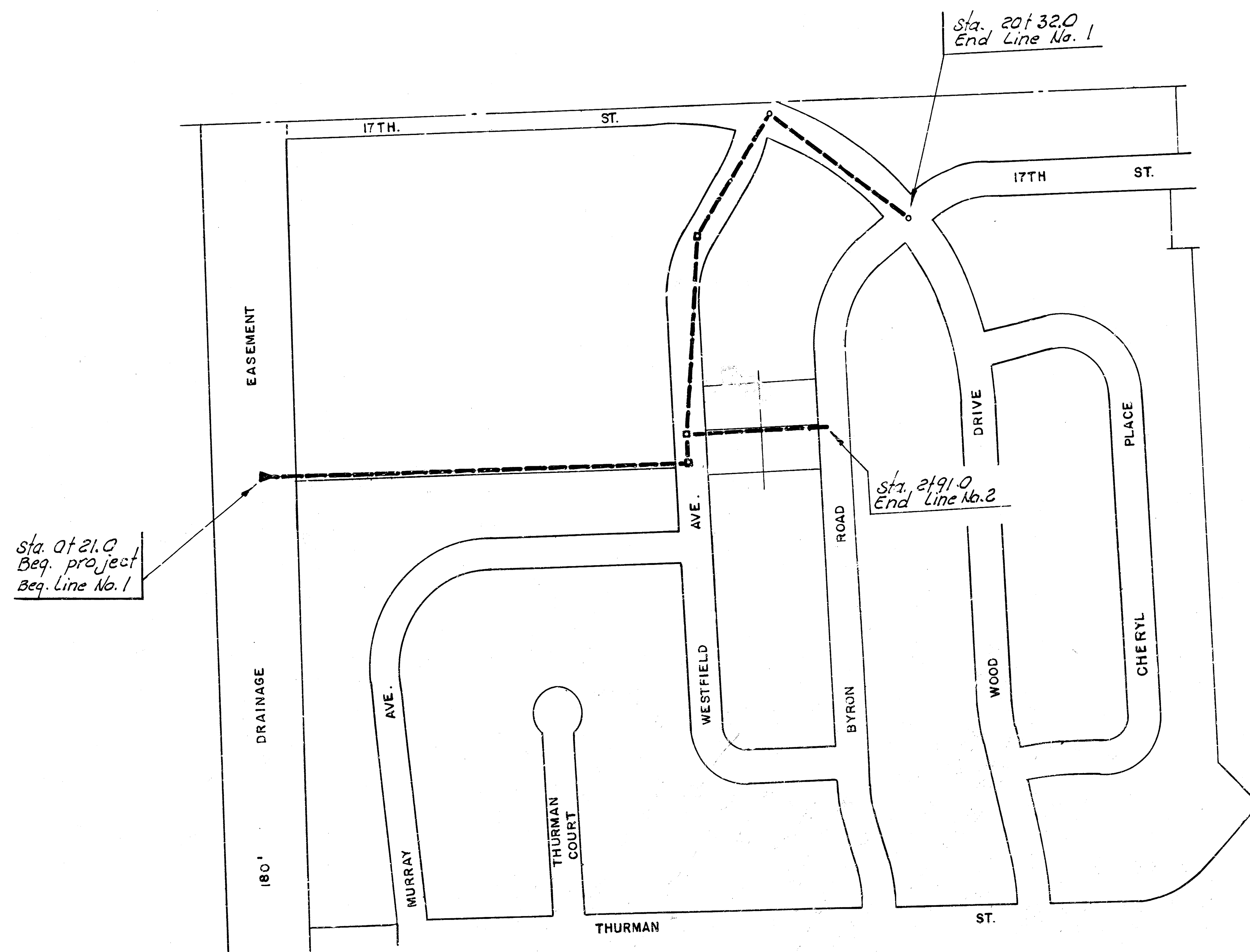
PLAN AND PROFILE FOR
STORM WATER SEWER NO. 110
 CITY OF WICHITA, KANSAS

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

INDEX

SHEET NO.

- 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

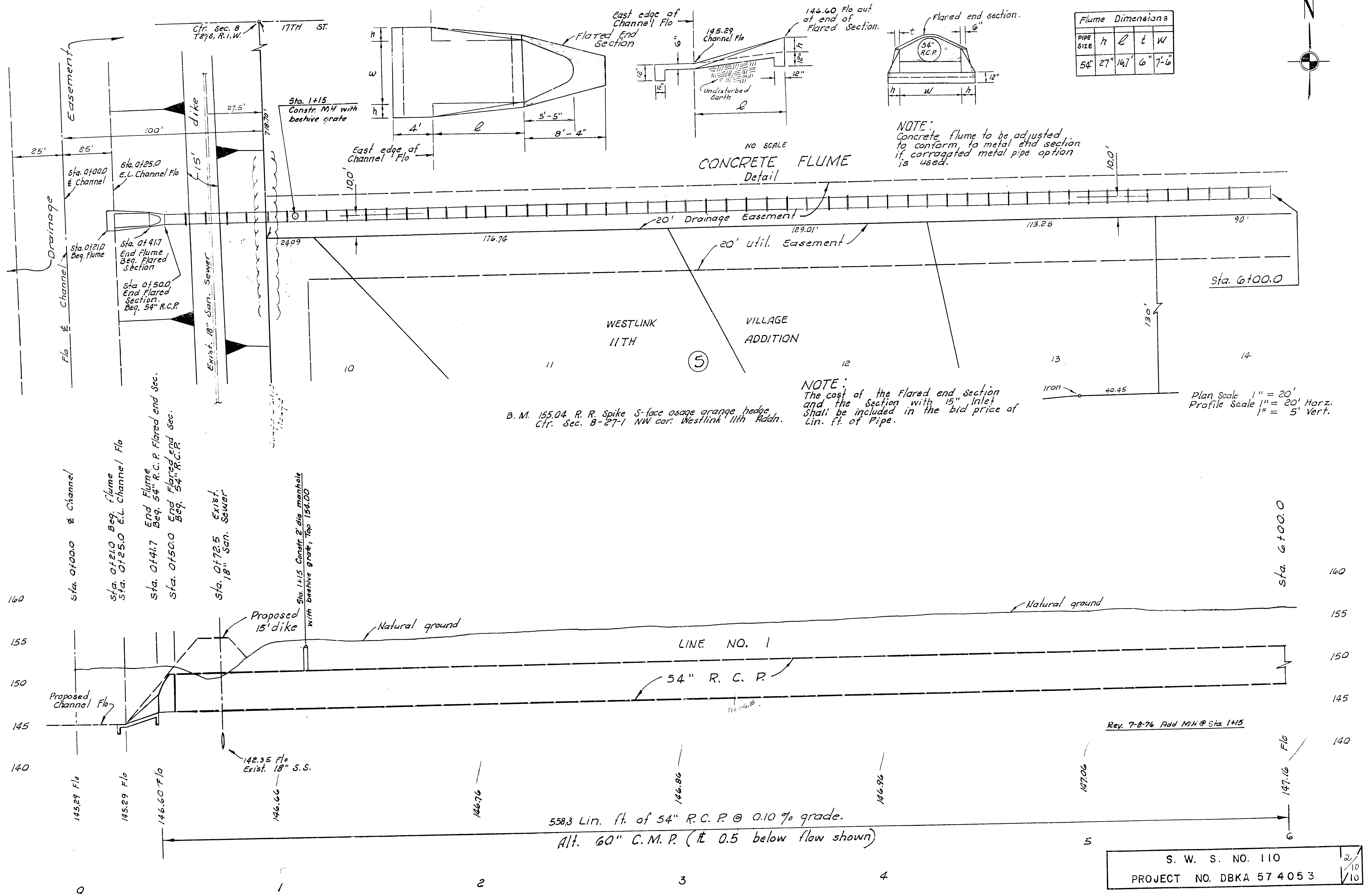


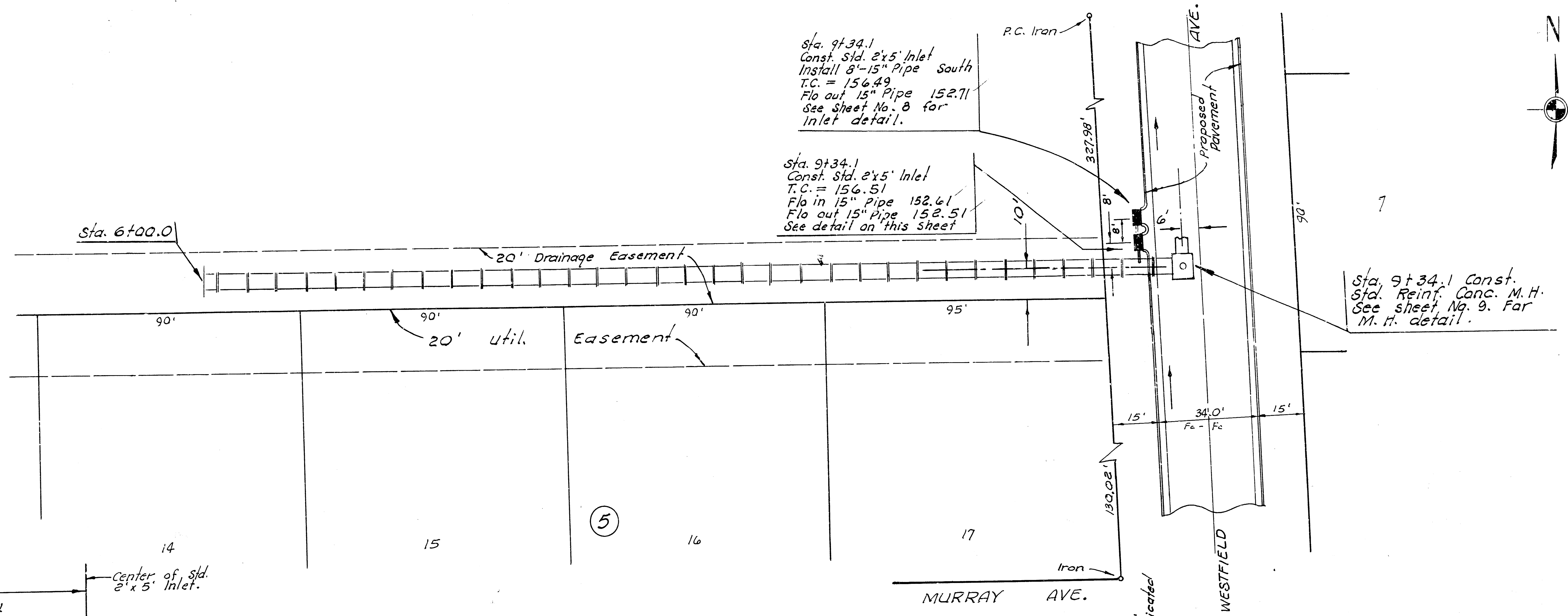
SCALE 1" = 150'

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 SPECIFICA-
 TIONS. 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

11/10

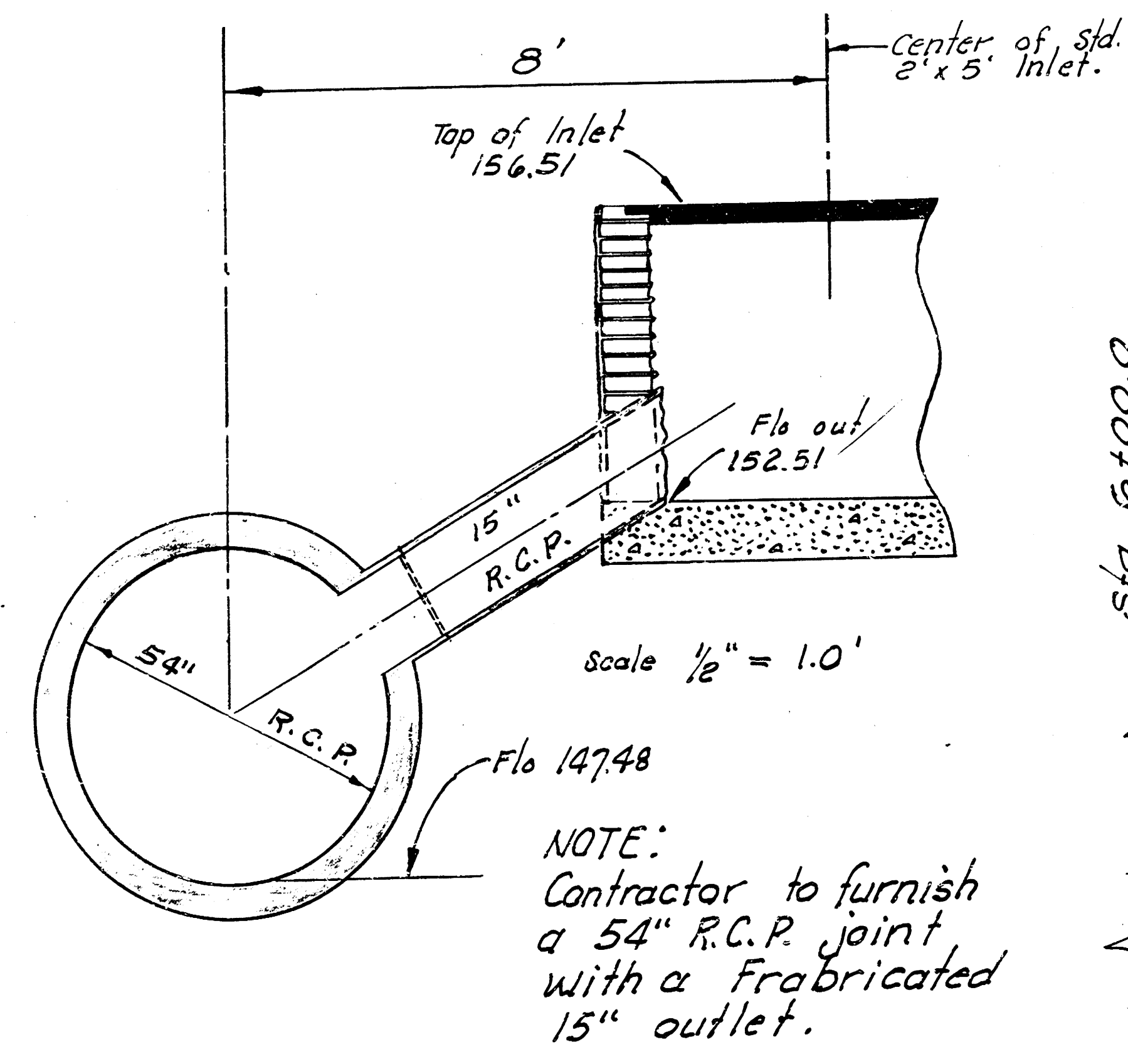




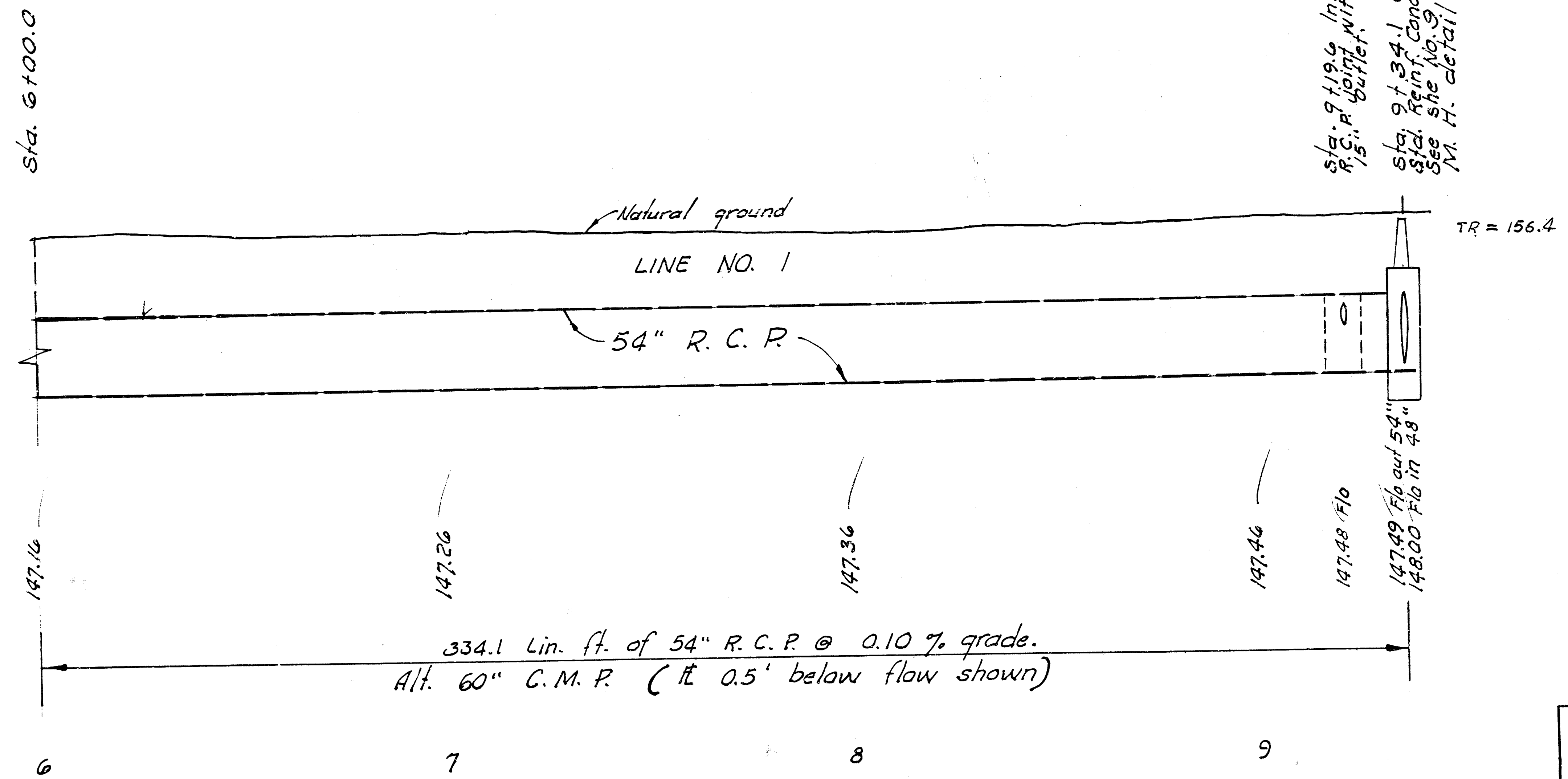
Sta. 9+34.1
Const. Std. 2'x5' Inlet
Install 8'-15" Pipe South
T.C. = 156.49
Flo out 15" Pipe 152.71
See Sheet No. 8 for
Inlet detail.

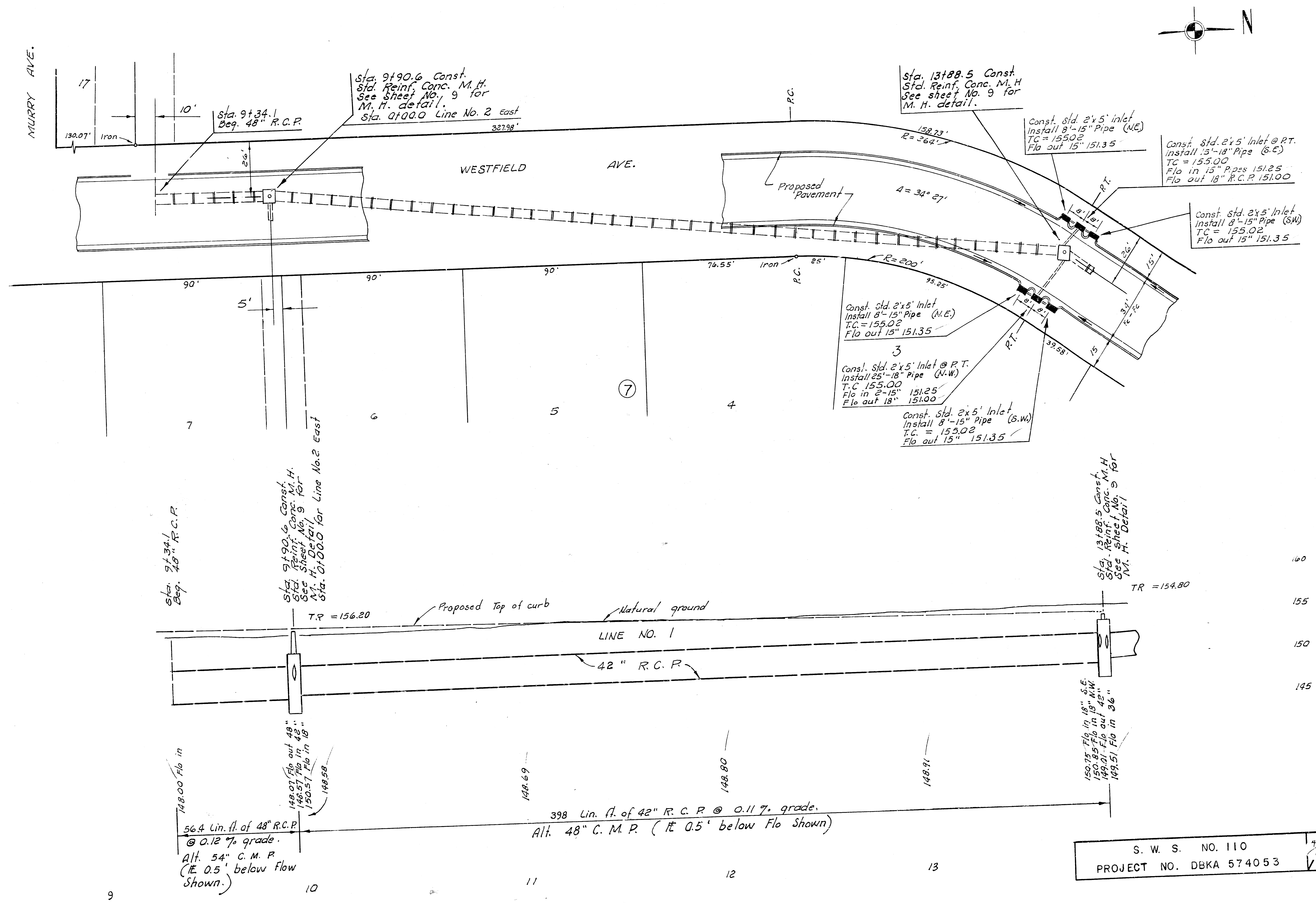
Sta. 9+34.1
Const. Std. 2'x5' Inlet
T.C. = 156.51
Flo in 15" Pipe 152.61
Flo out 15" Pipe 152.51
See detail on this sheet

Sta. 9+34.1 Const.
Std. Reinf. Conc. M.H.
See Sheet No. 9. For
M.H. detail.



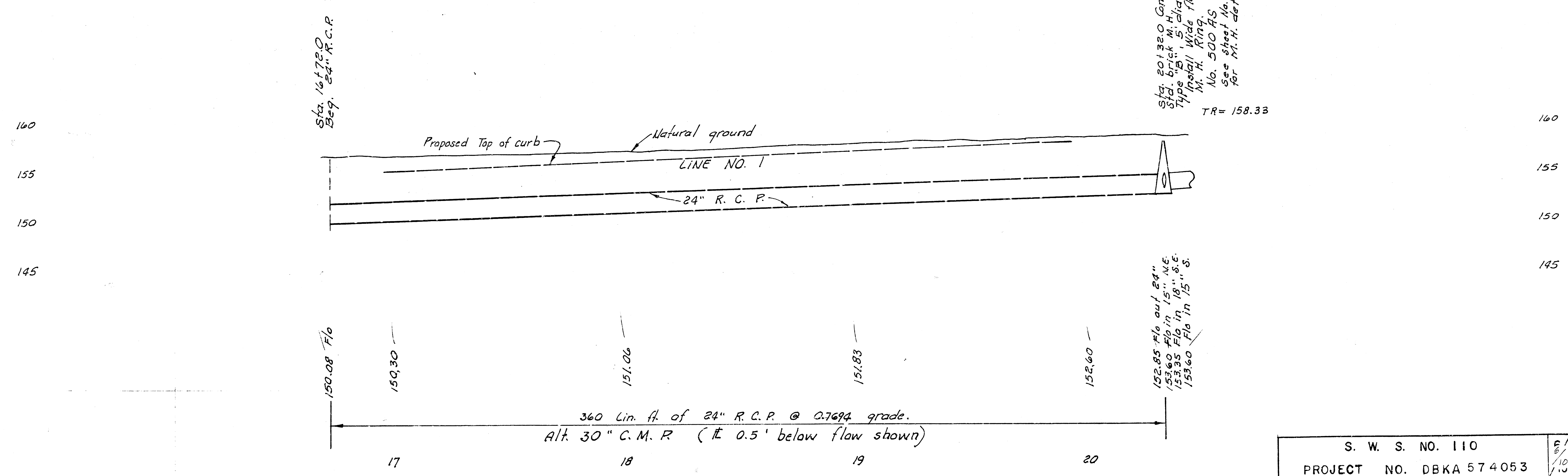
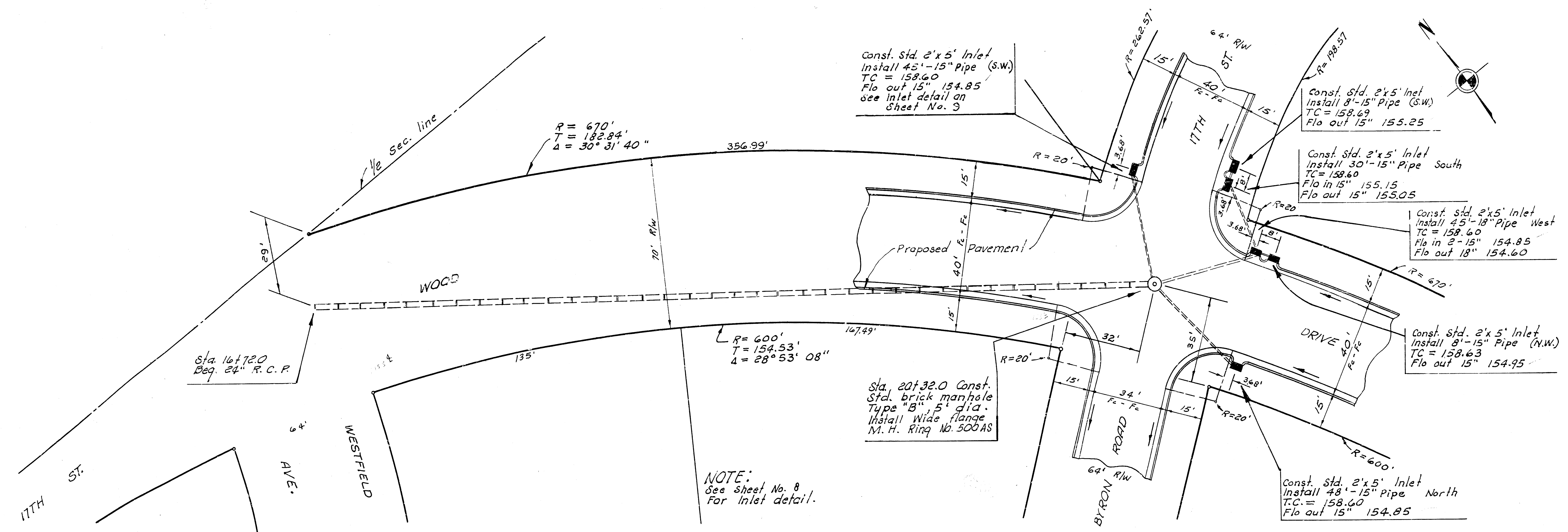
DETAIL
Sta. 9+19.60



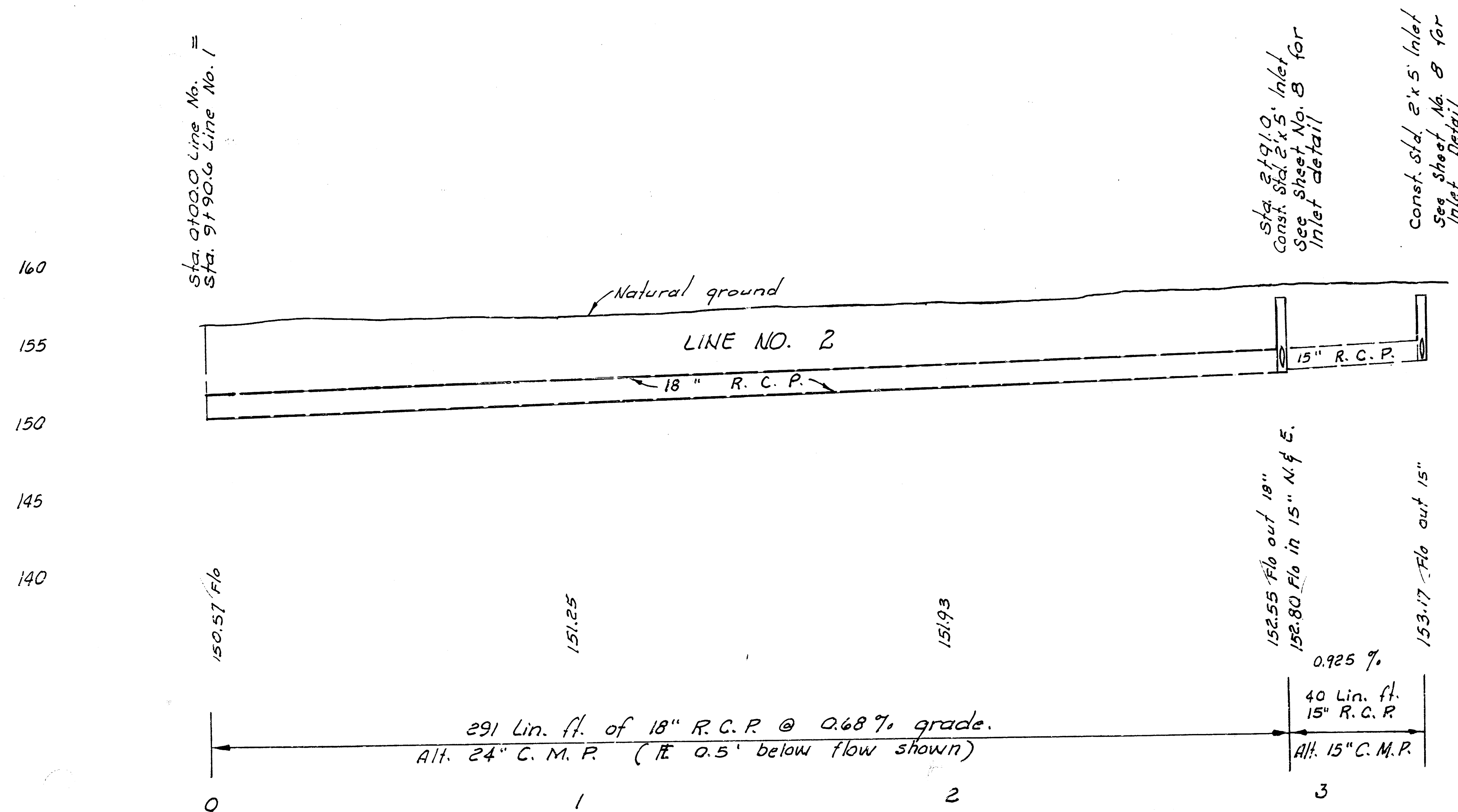
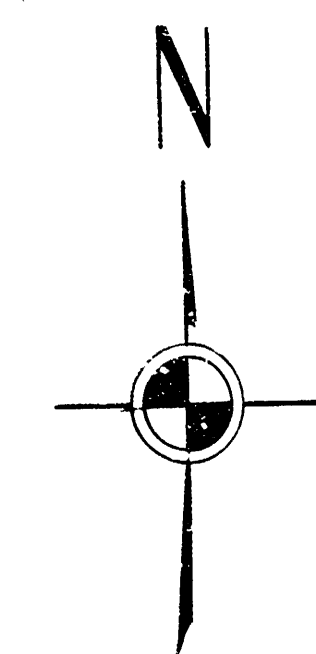
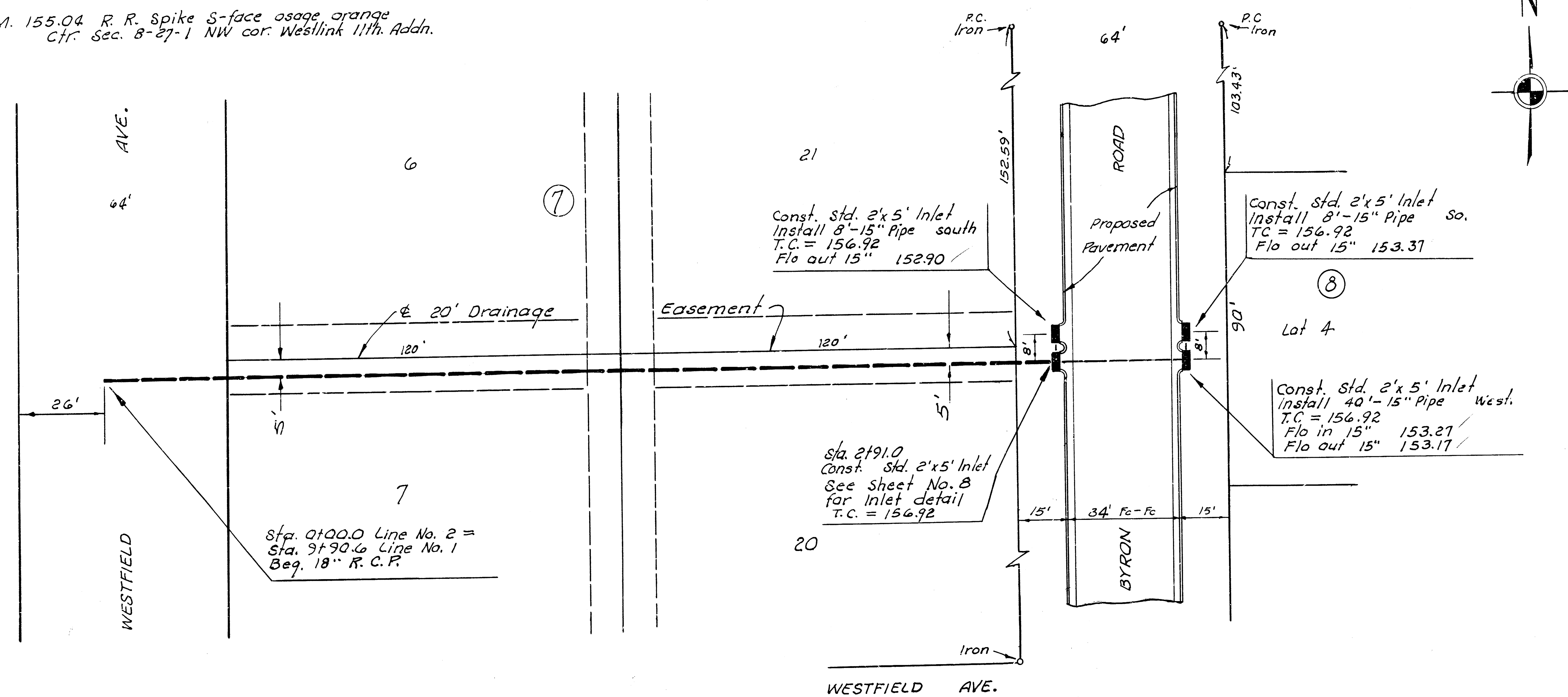


S. W. S. NO. 110
PROJECT NO. DBKA 574053

4/10
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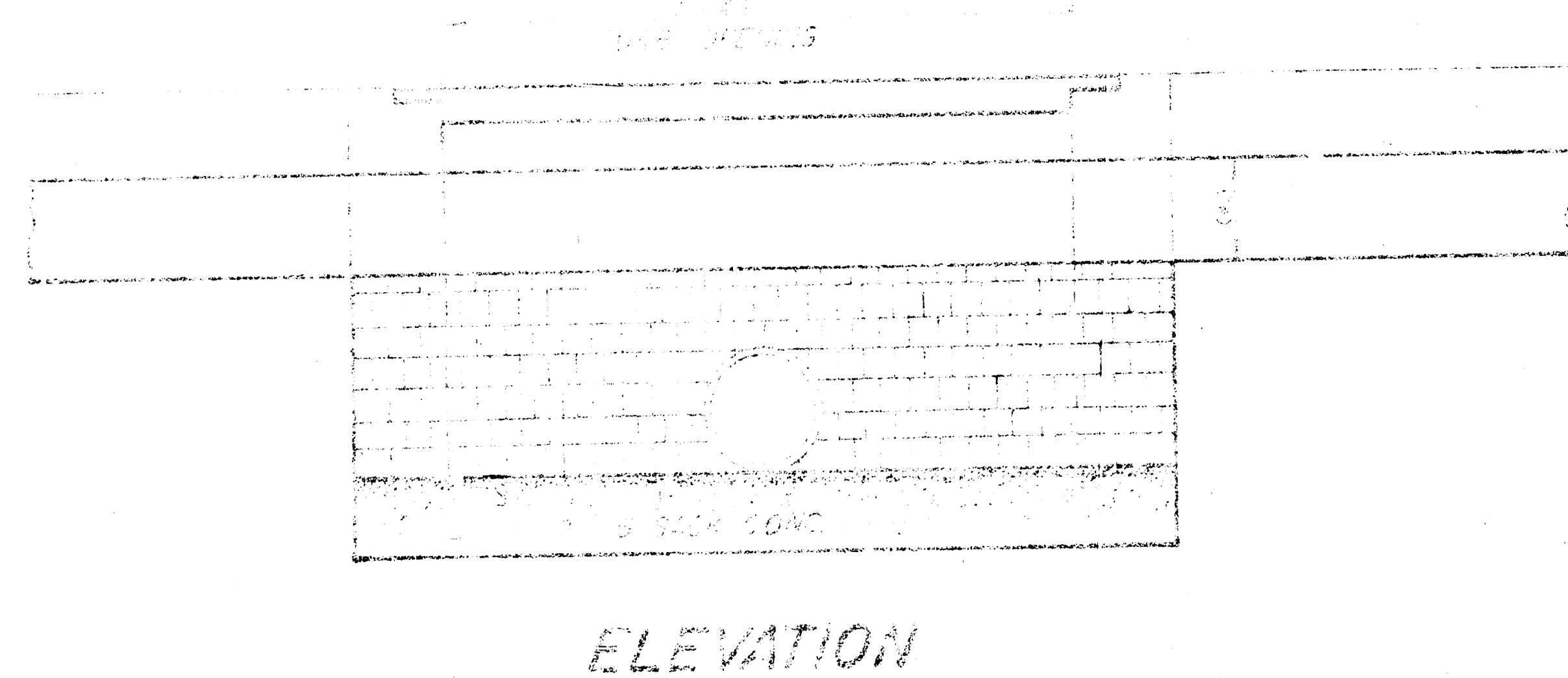


B. M. 155.04 R. R. Spike S-face usage orange
Cfr. Sec. 8-27-1 NW cor. Westlink 11th. Adm.

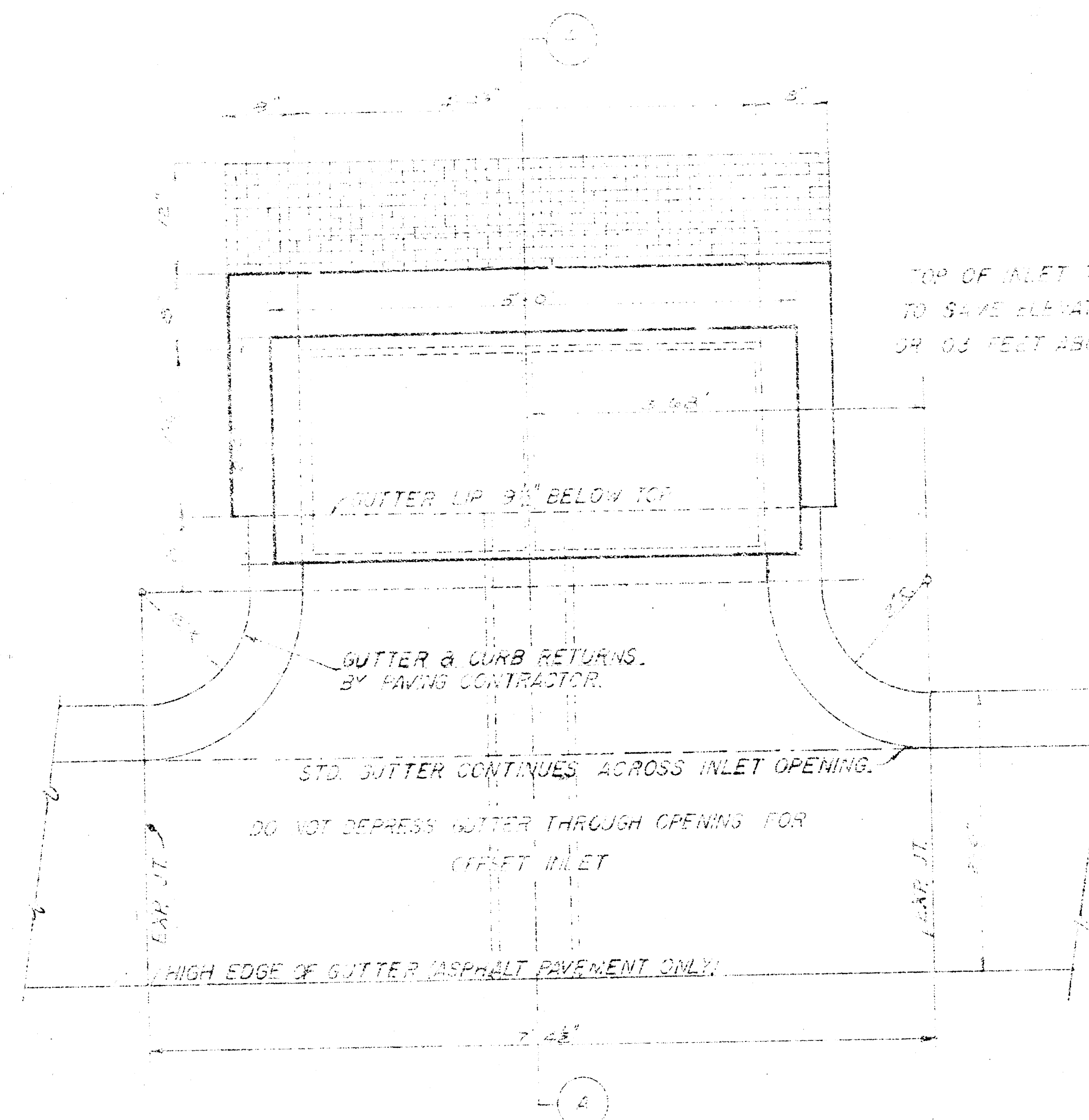


THIS TYPE INLET TO BE USED
WHEN PAVEMENT IS ASPHALT
PAVEMENT WITH ASPHALT
BASE COURSE AND/OR WHEN
PAVEMENTS HAVE ROLL CURB.

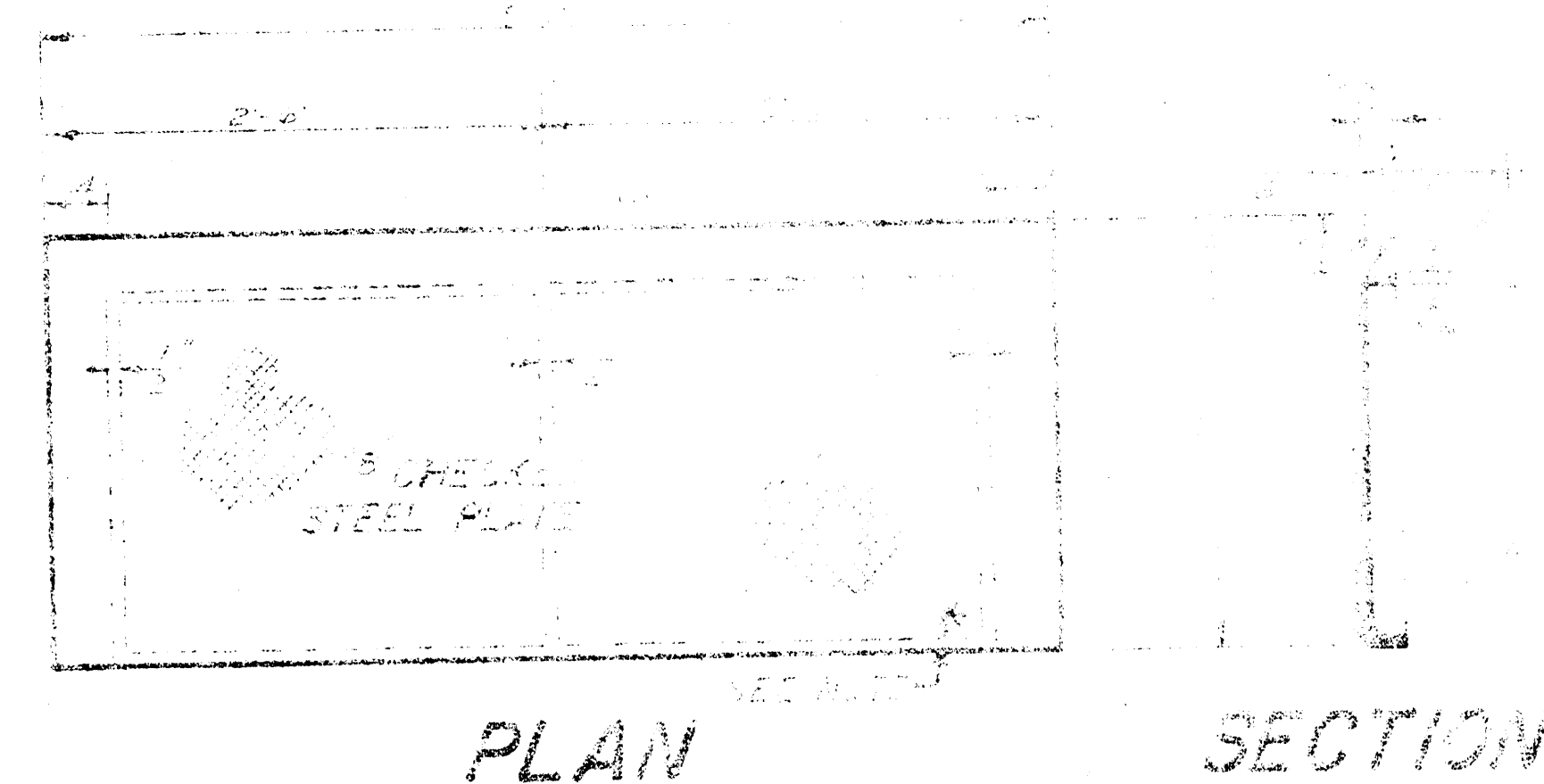
NOTE: STRUCTURAL STEEL FOR
INLET COVER SHALL BE CON-
FORM WITH THE LATEST EDITION OF
THE AMERICAN SOCIETY FOR
TESTING AND MATERIALS
DESIGNATION C32.



ELEVATION



PLAN



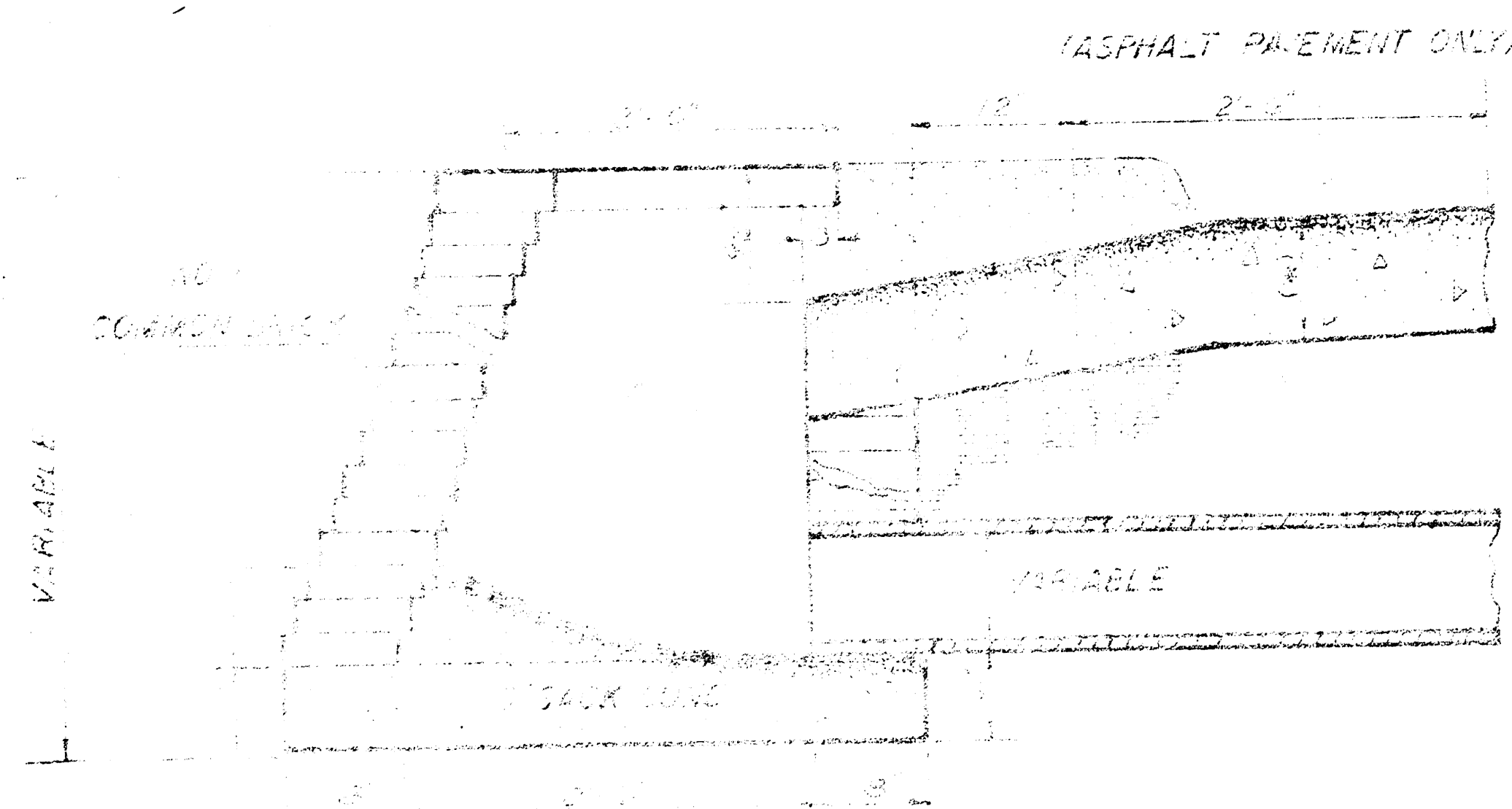
ELEVATION

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 UNDERLATH
SIDE 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-BEVEL
CHUCK PAVING BLOCKS
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 2'x5' INLET AT SET-BACK LOCATION
SCALE 1/4"=1'-0"

(*) CURB & GUTTER OR PAVEMENT THICKNESS



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

DETAIL
STANDARD 2'x5' INLET
(SET BACK LOCATION)

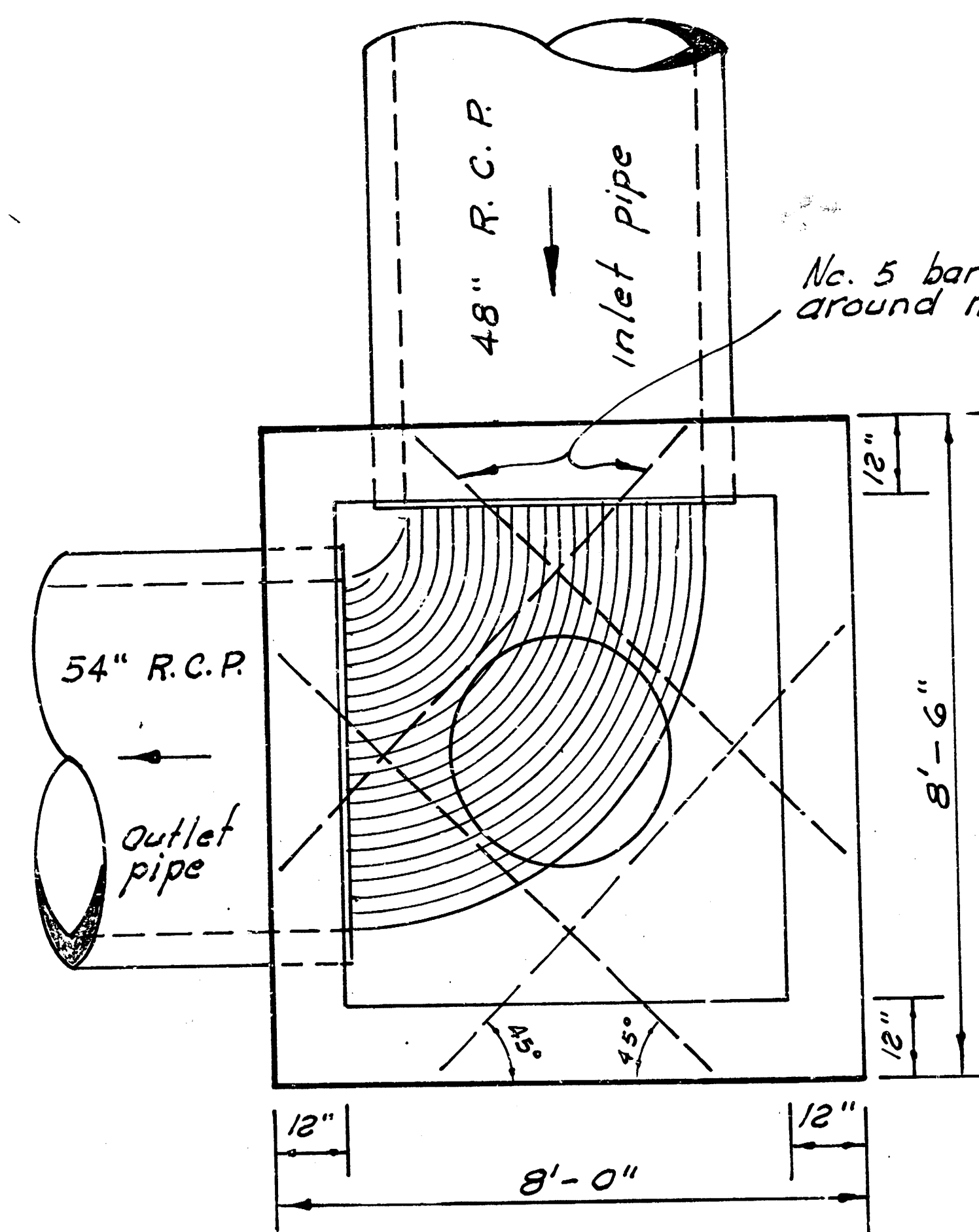
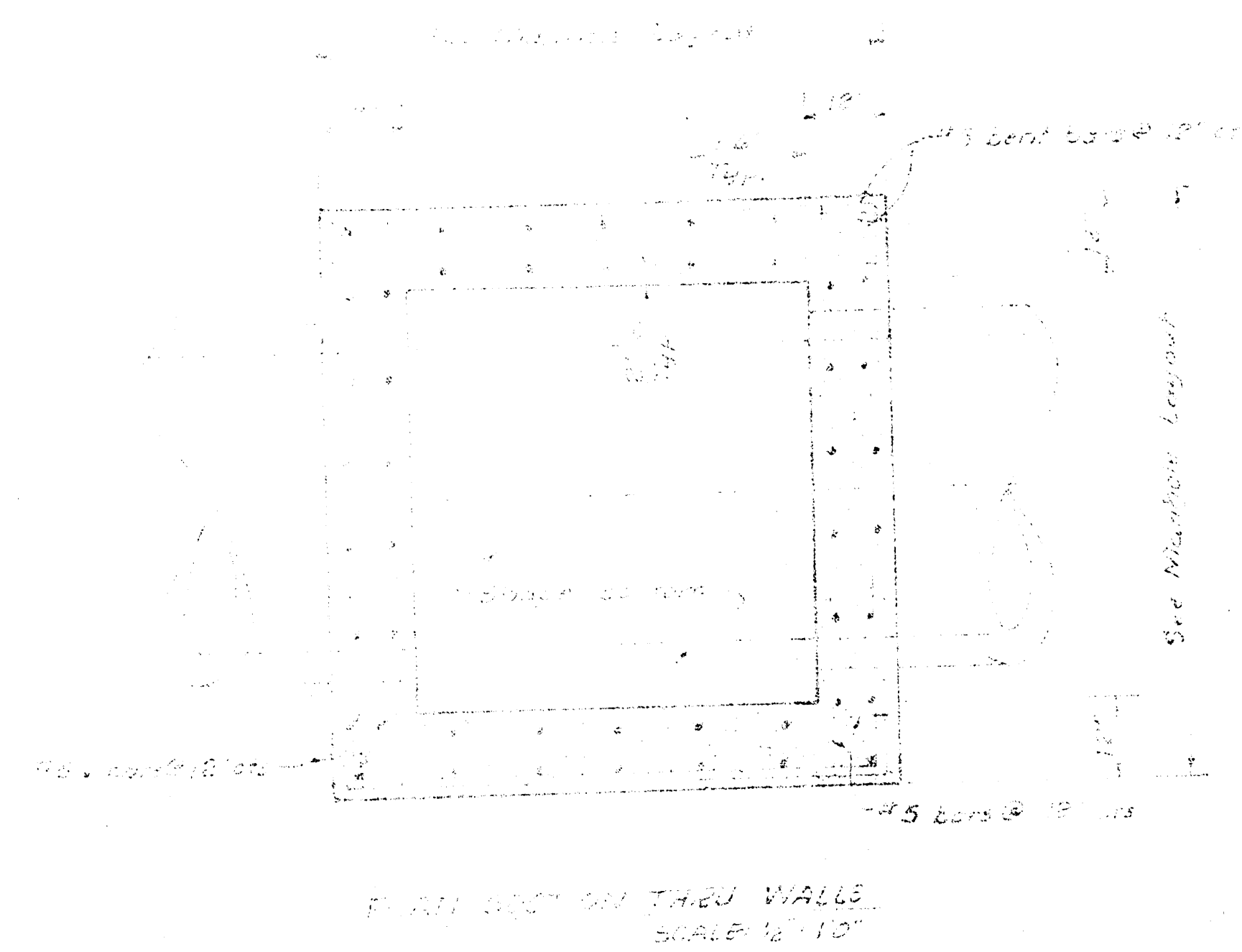
CITY OF WICHITA, KANSAS

R. W. LINN CITY ENGINEER

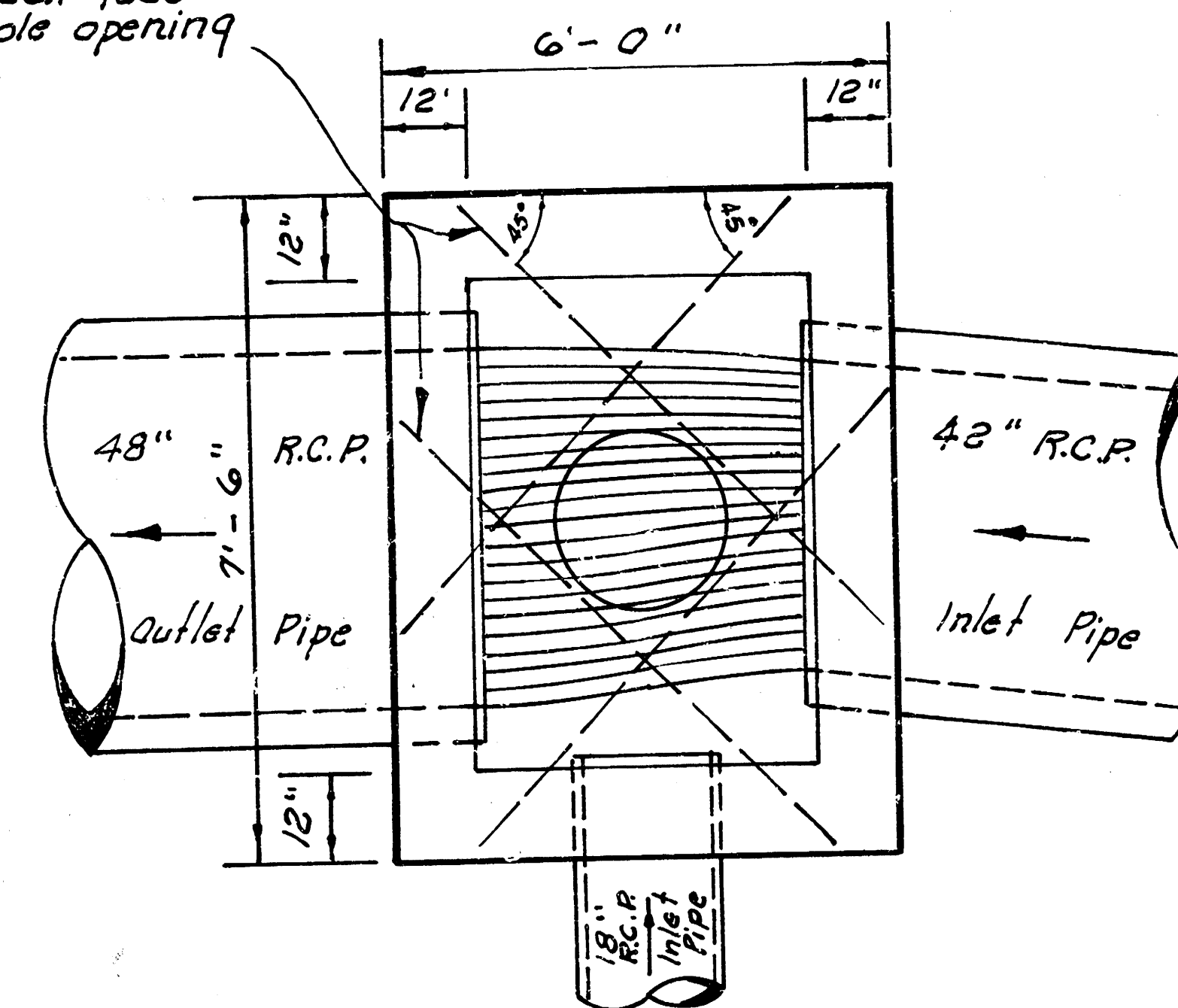
JUNE 1974

S. W. S. NO. 110
PROJECT NO. DBKA 57 40 53

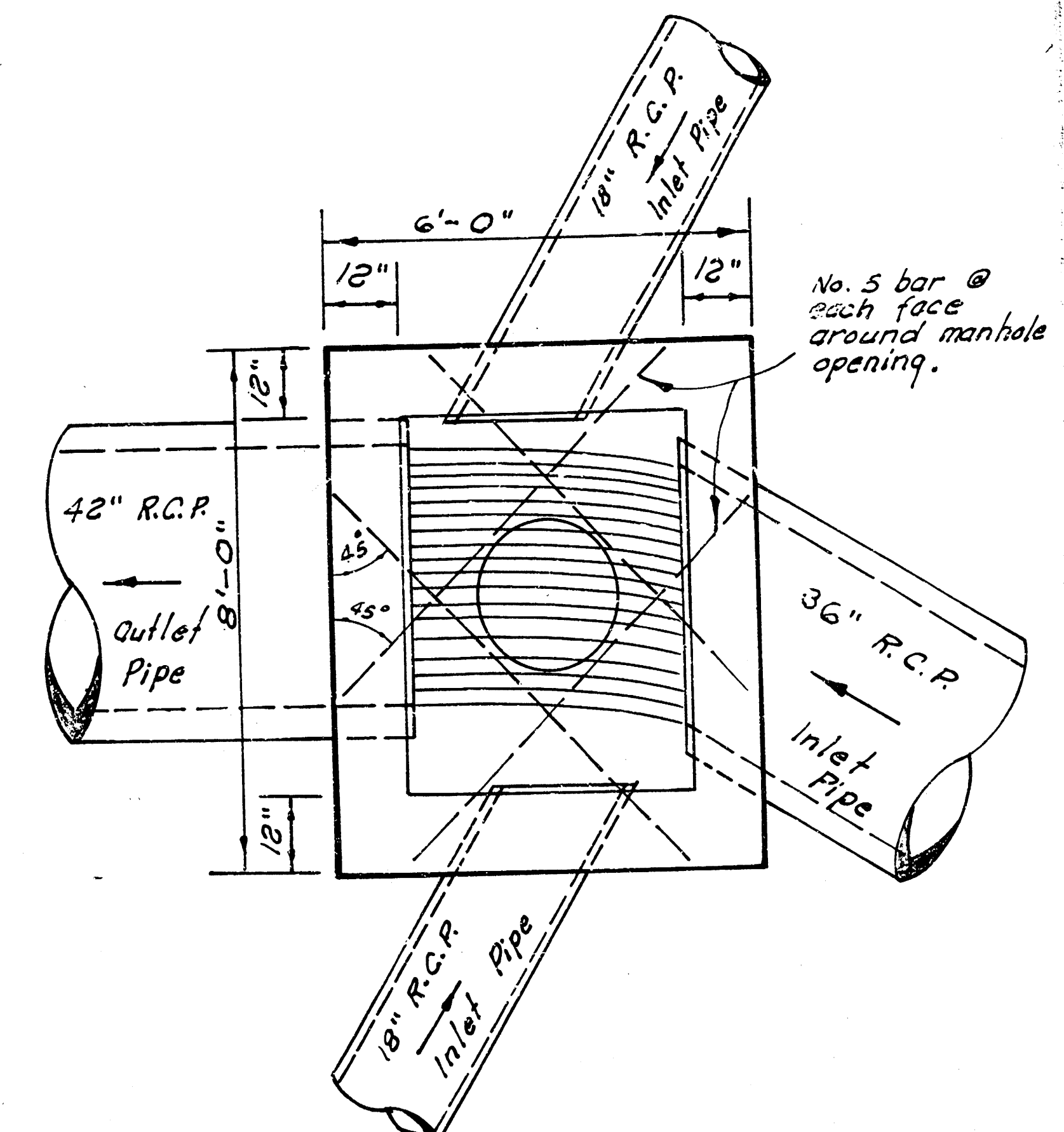
6/10
10



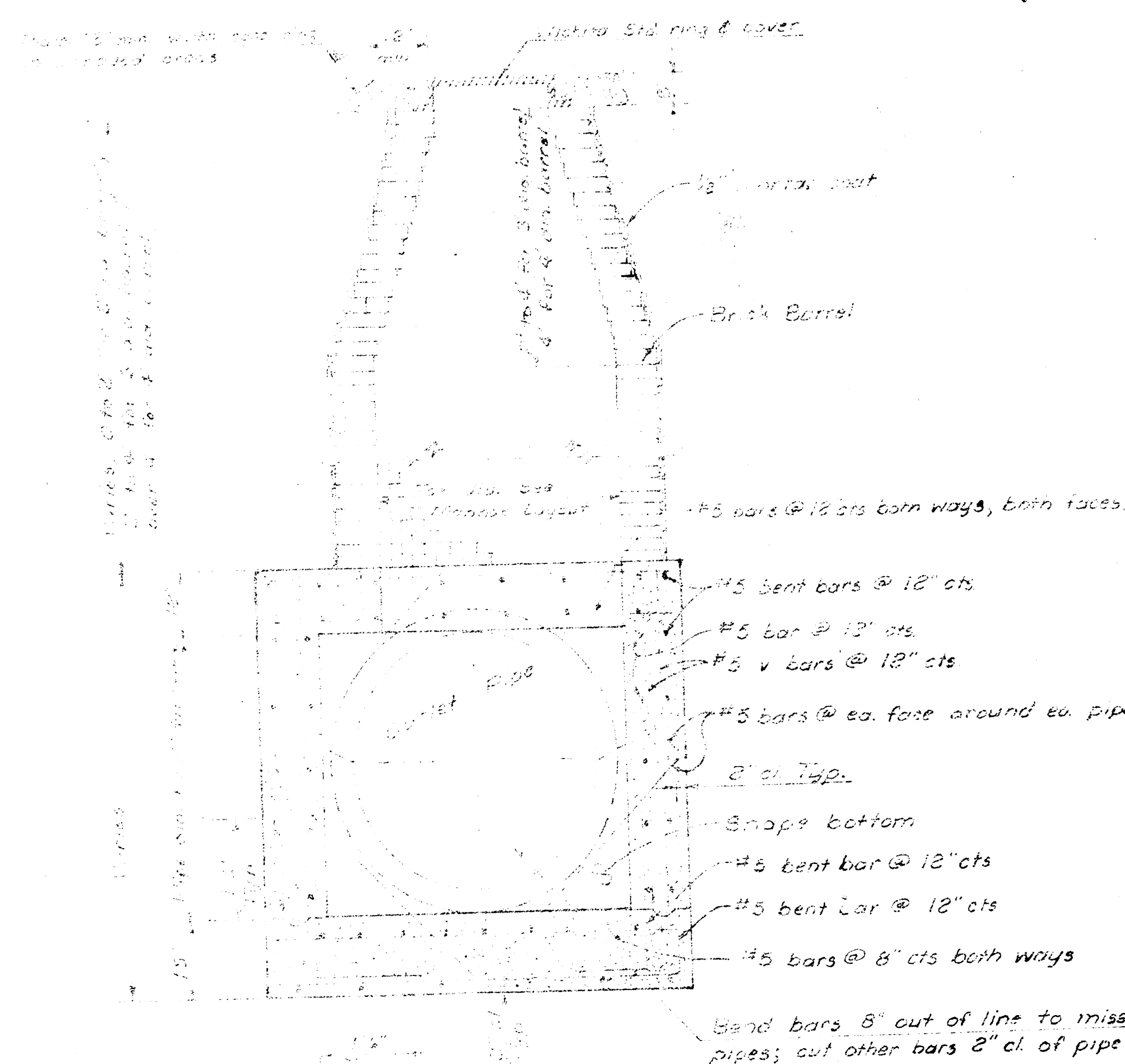
PLAN SECTION
Sta. 9+34.1



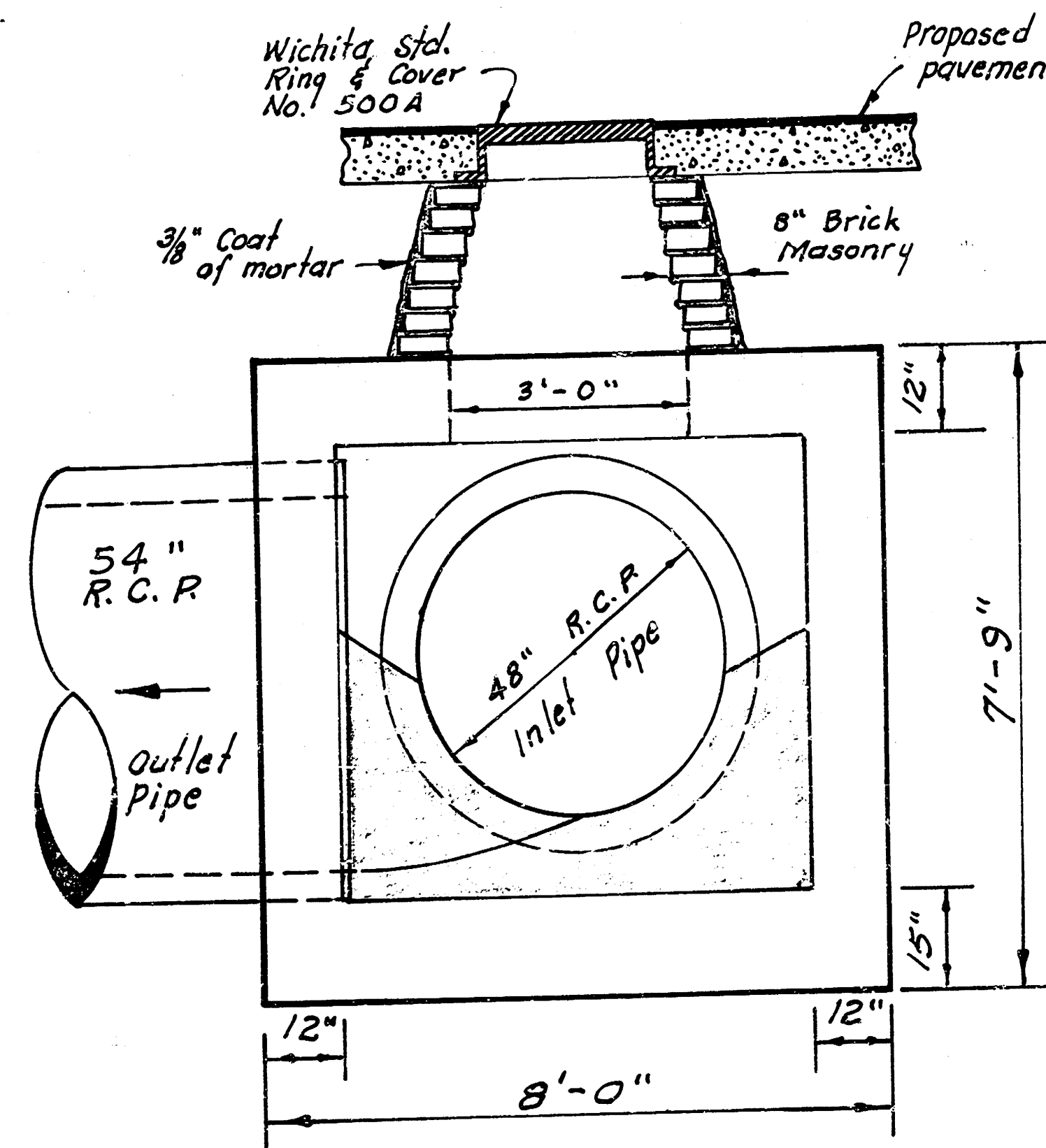
PLAN SECTION
Sta. 9+90.6



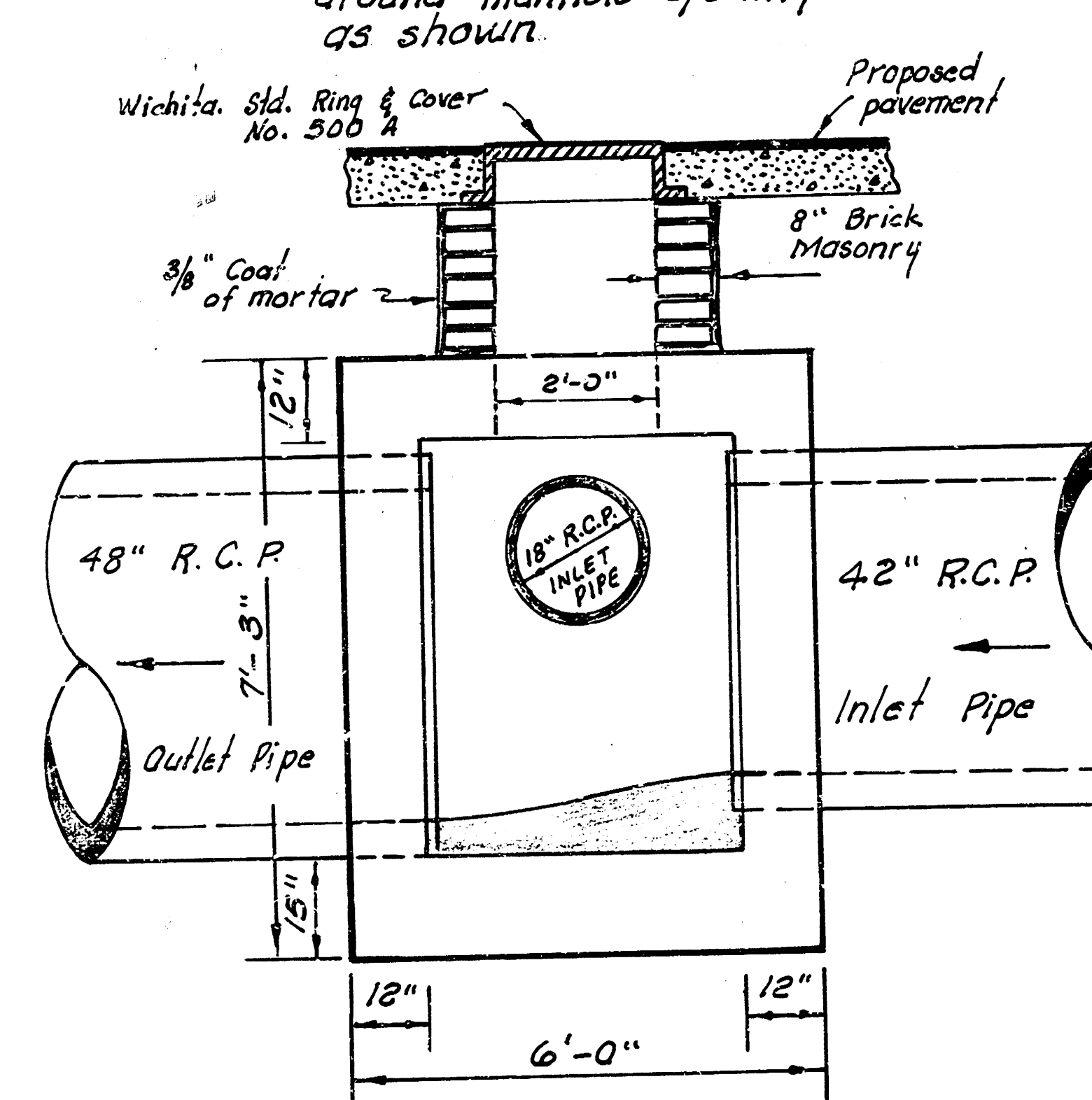
PLAN SECTION
Sta. 13+88.5



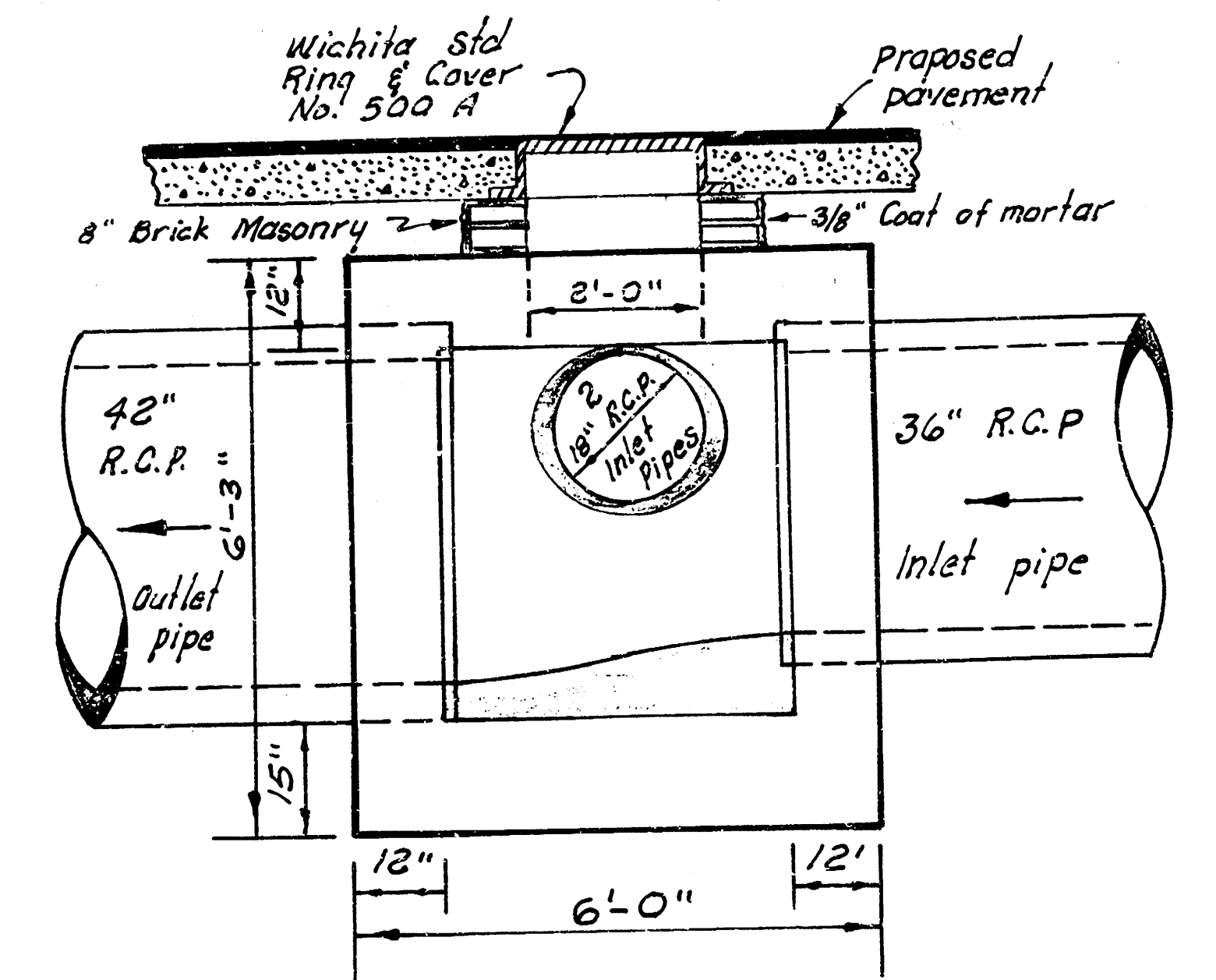
TYPICAL ELEVATION SECTION
Sta. 9+34.1



ELEVATION SECTION
Sta. 9+34.1

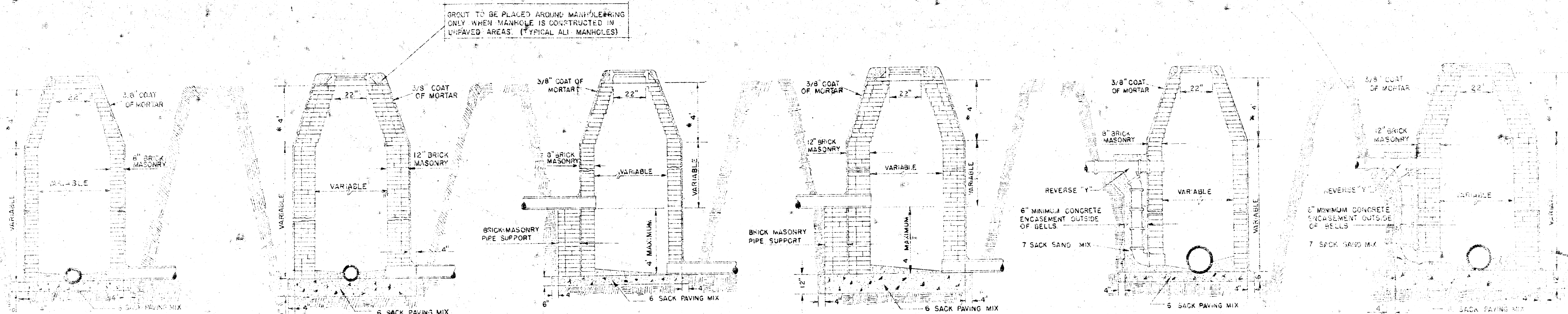


ELEVATION SECTION
Sta. 9+90.6



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.



STANDARD MANHOLE
TYPE "A"

STANDARD MANHOLE
TYPE "B"

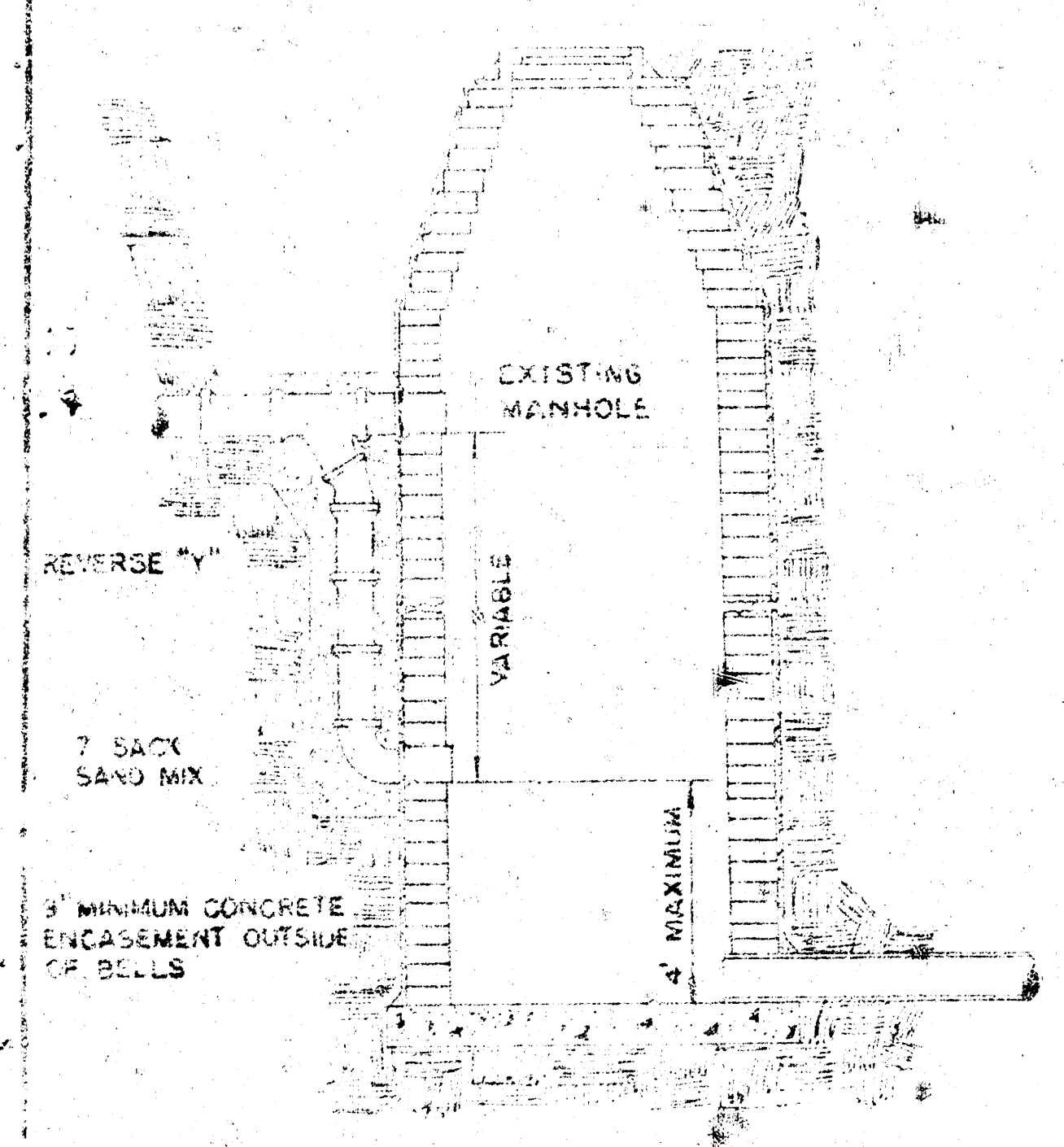
DROP MANHOLE
TYPE "A"

DROP MANHOLE
TYPE "B"

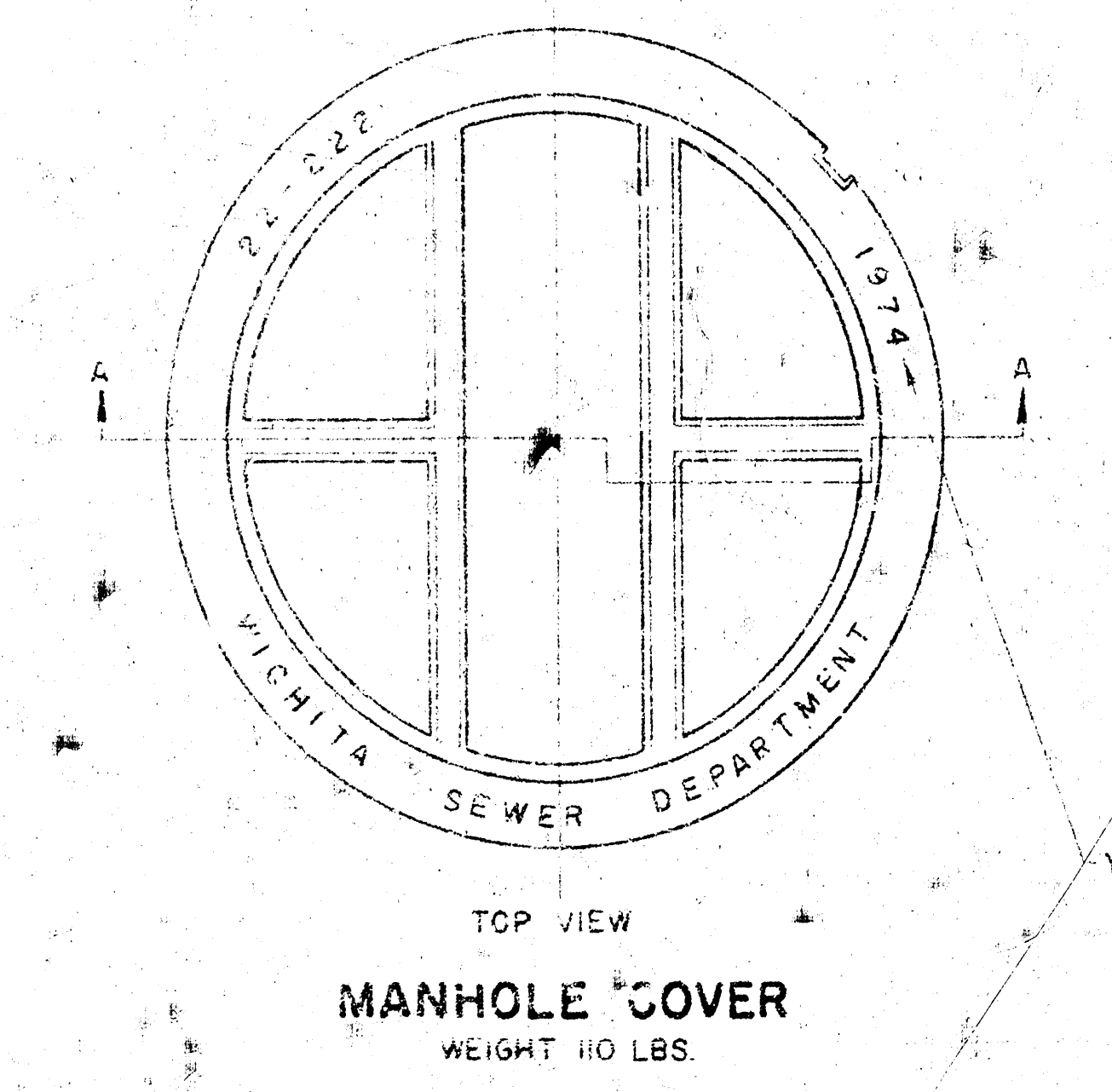
OUTSIDE DROP MANHOLE
TYPE "A"

OUTSIDE DROP MANHOLE
TYPE "B"

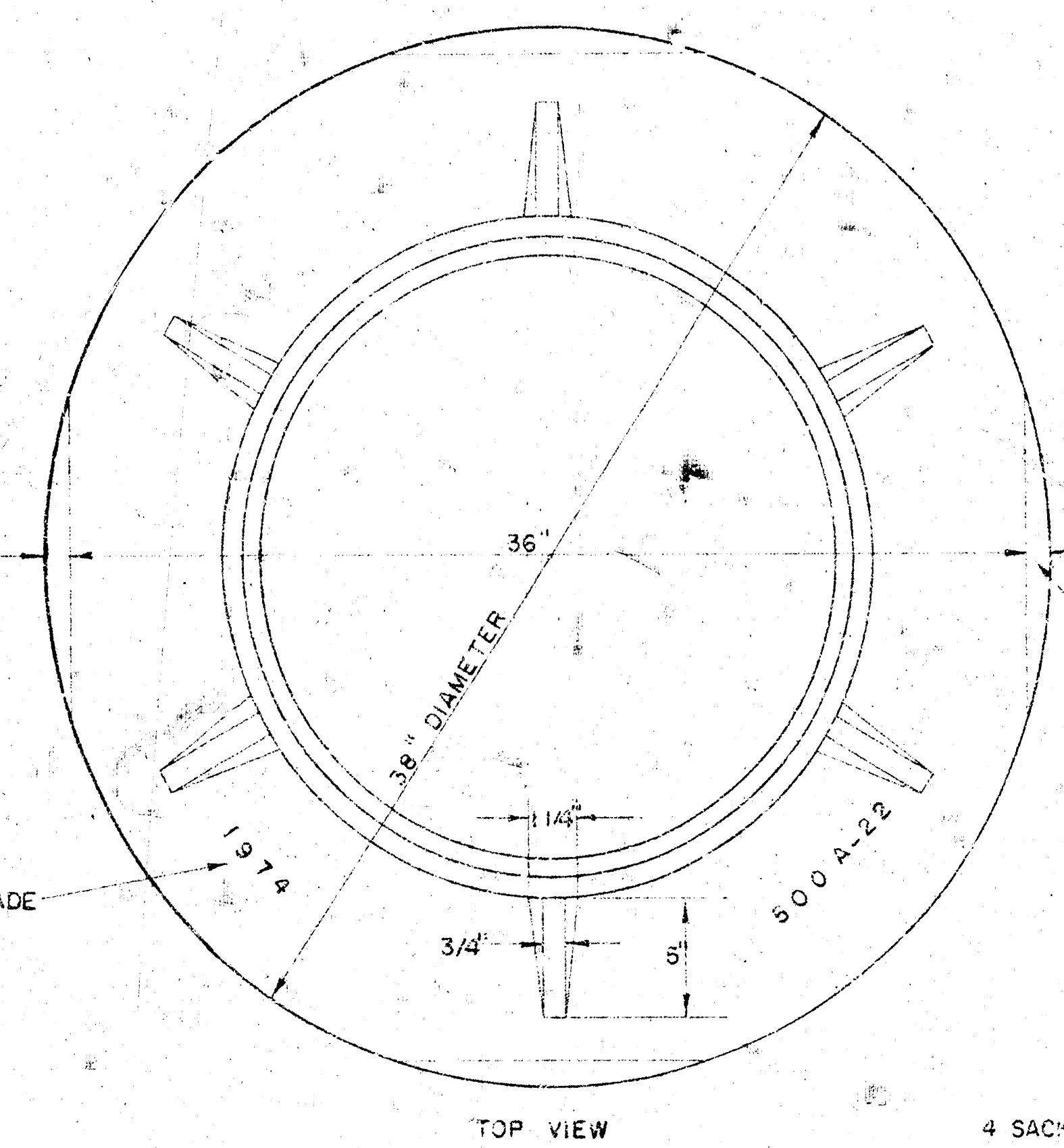
* DRAW = 6' ON 5' DIA. M.H.



DETAIL OF DROP STACK
FOR EXISTING MANHOLES IN GROUND WATER

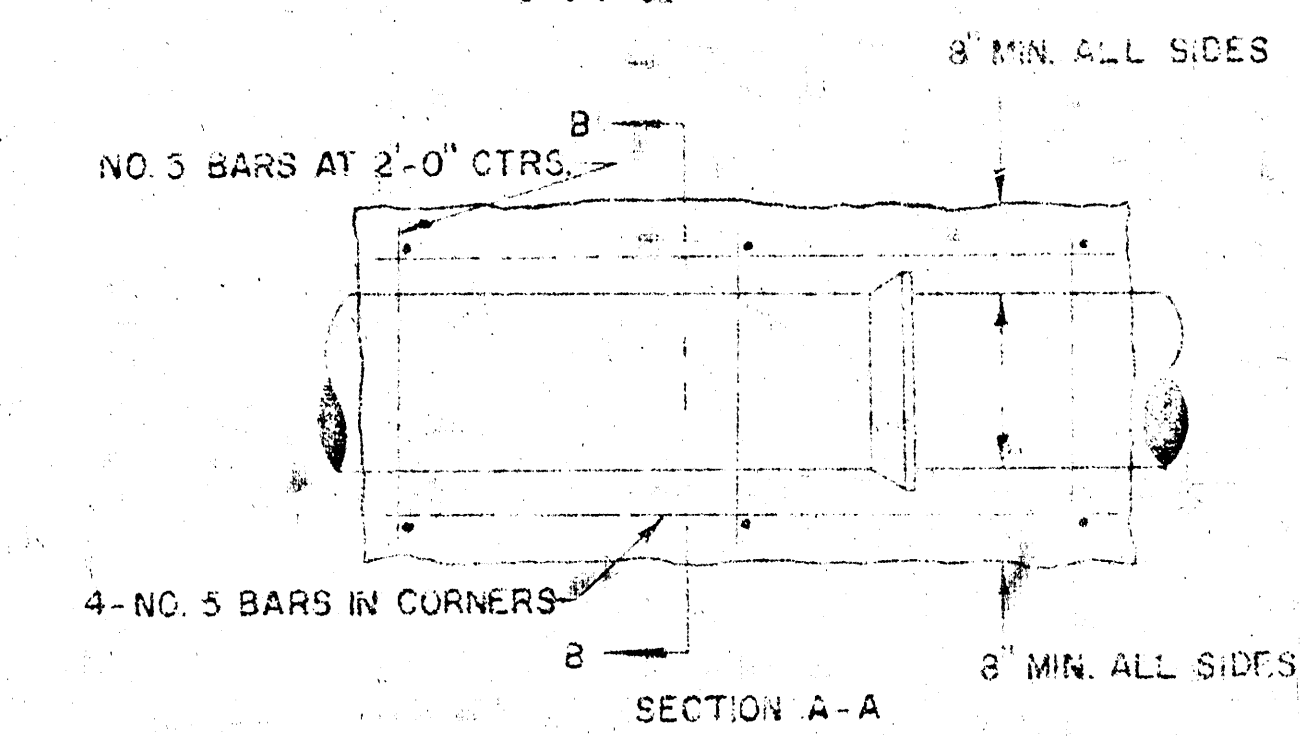


TOP VIEW
MANHOLE COVER
WEIGHT 110 LBS.

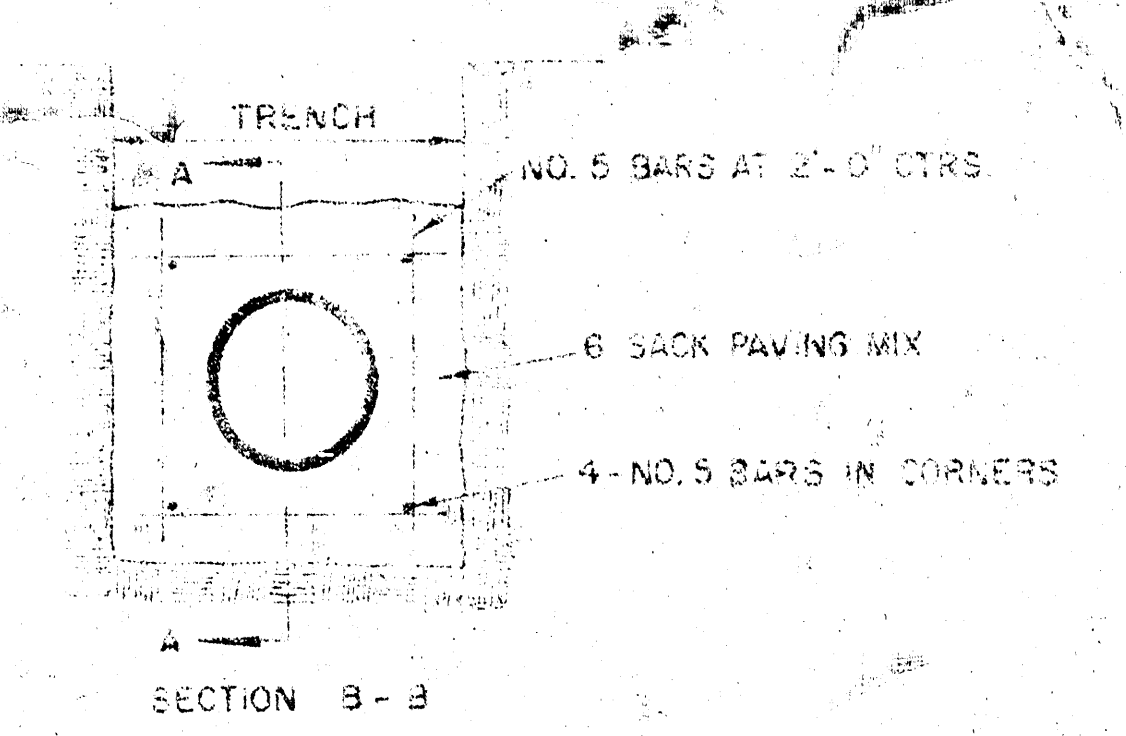


TOP VIEW
MANHOLE RING
WEIGHT 325 LBS. RING NO. 500A
WEIGHT 800 LBS. RING NO. 500AS

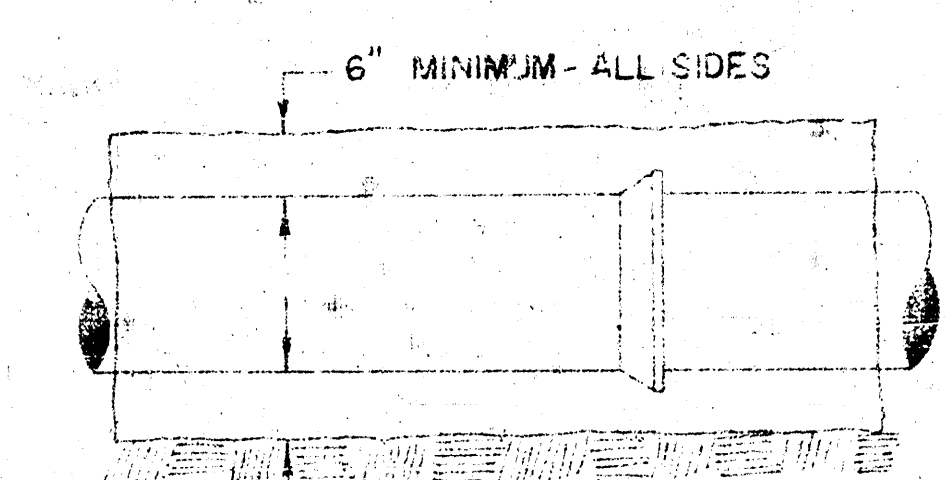
THIS PORTION OF FLANGE
MAY BE OMITTED



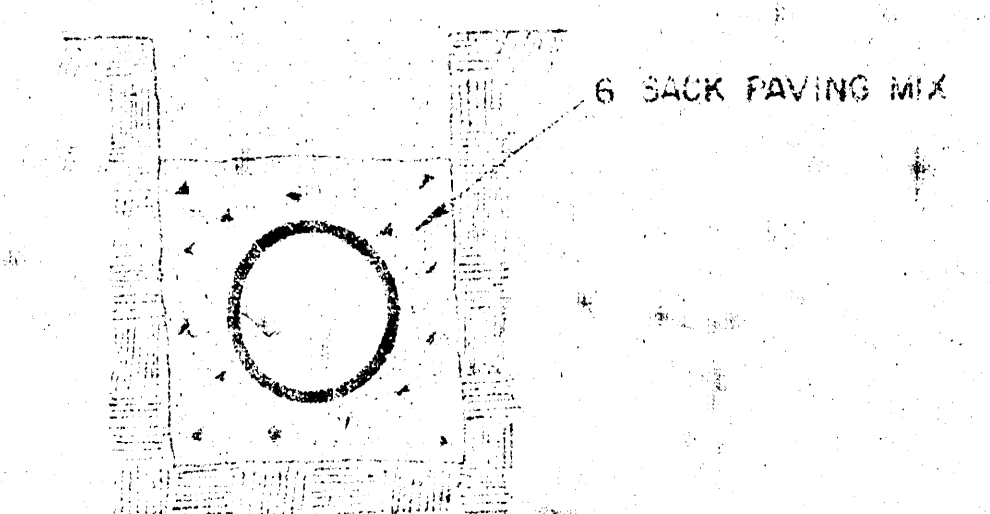
SECTION A-A
REINFORCED CONCRETE ENCASEMENT
FOR STRENGTH



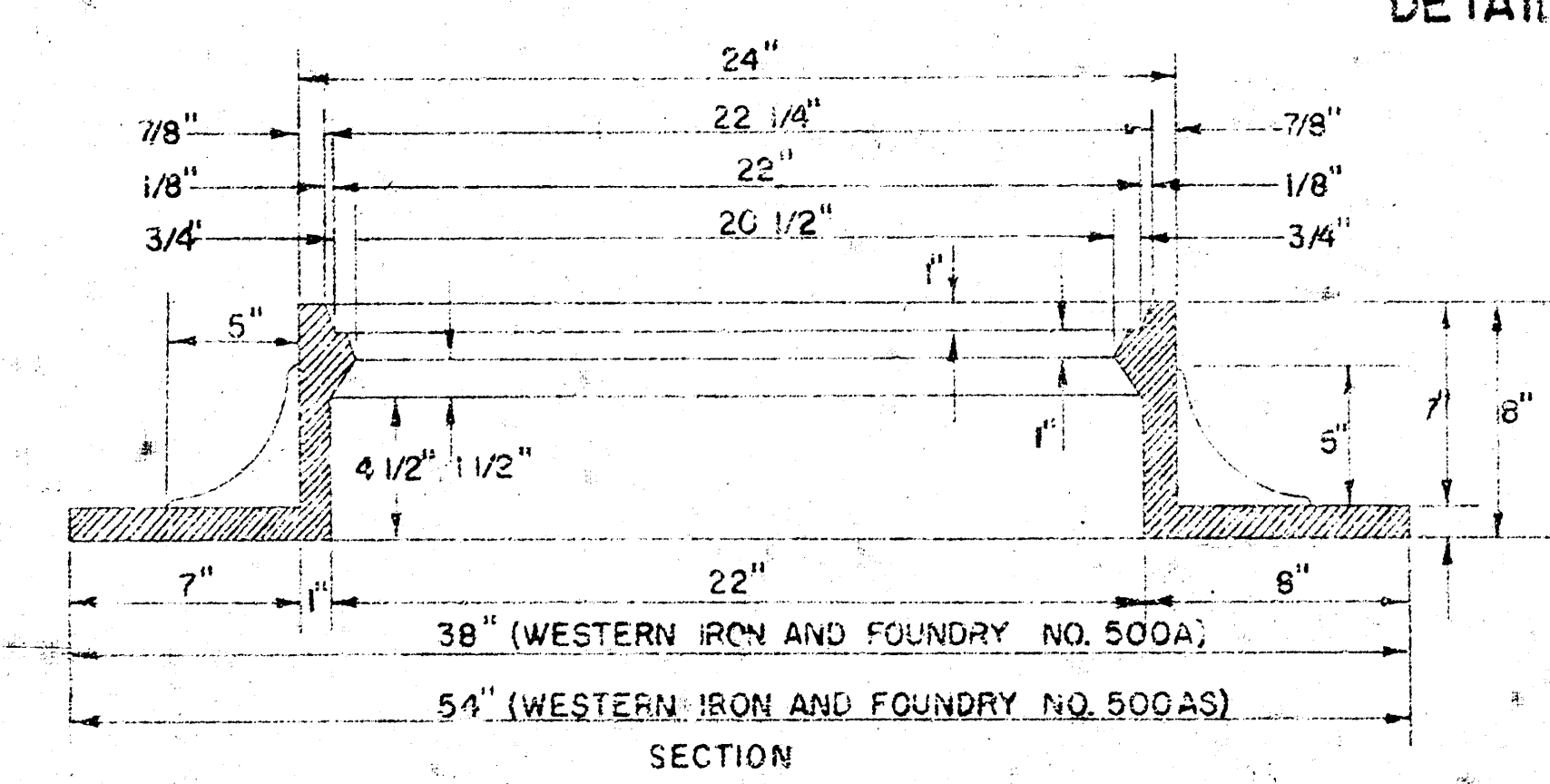
SECTION B-B



CONCRETE ENCASEMENT
FOR COVER

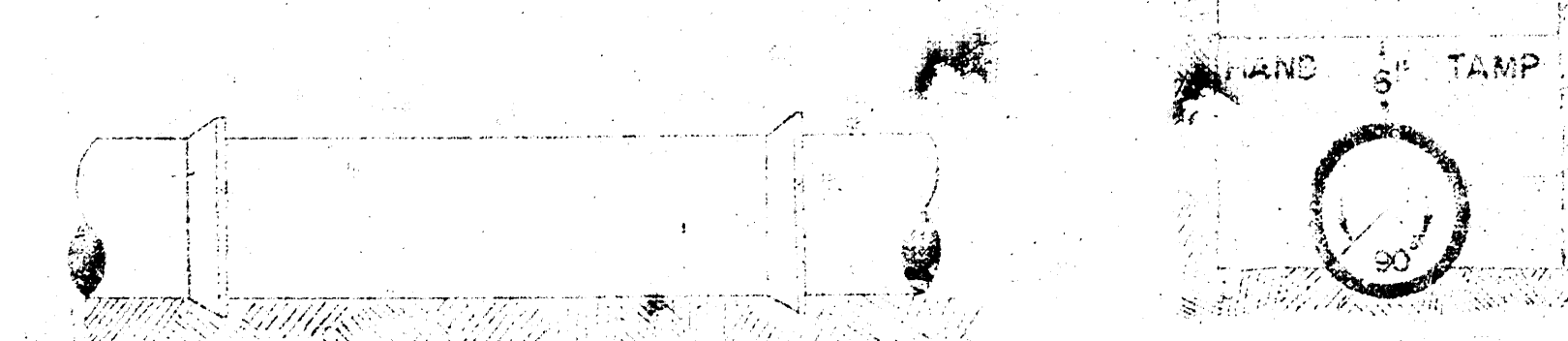


DETAIL OF CONCRETE CRADLE

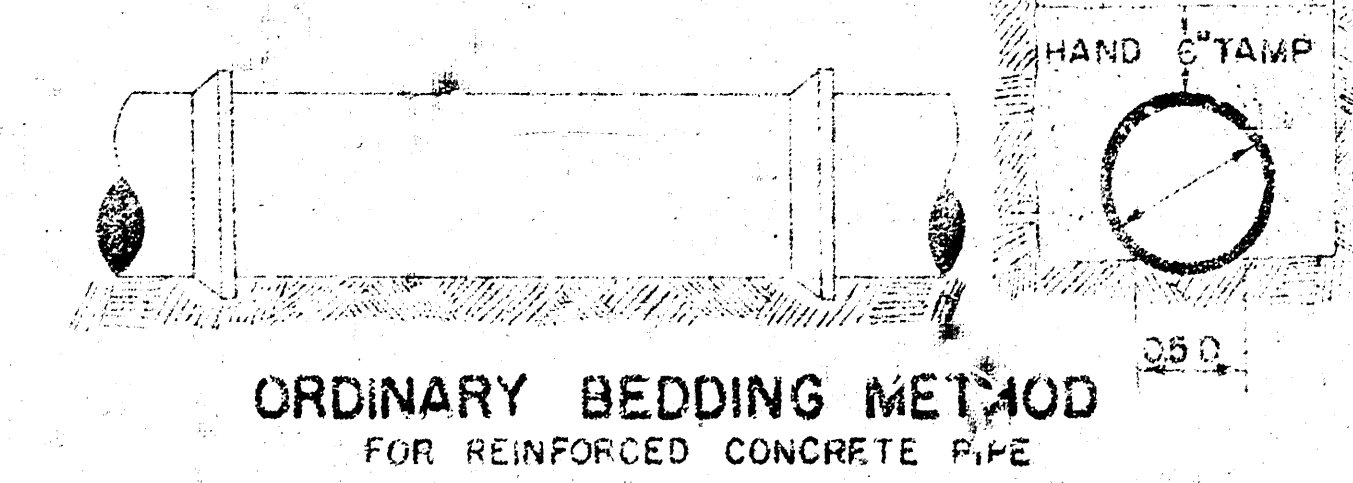


SECTION
MANHOLE RING

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



ORDINARY BEDDING METHOD
FOR CLAY PIPE

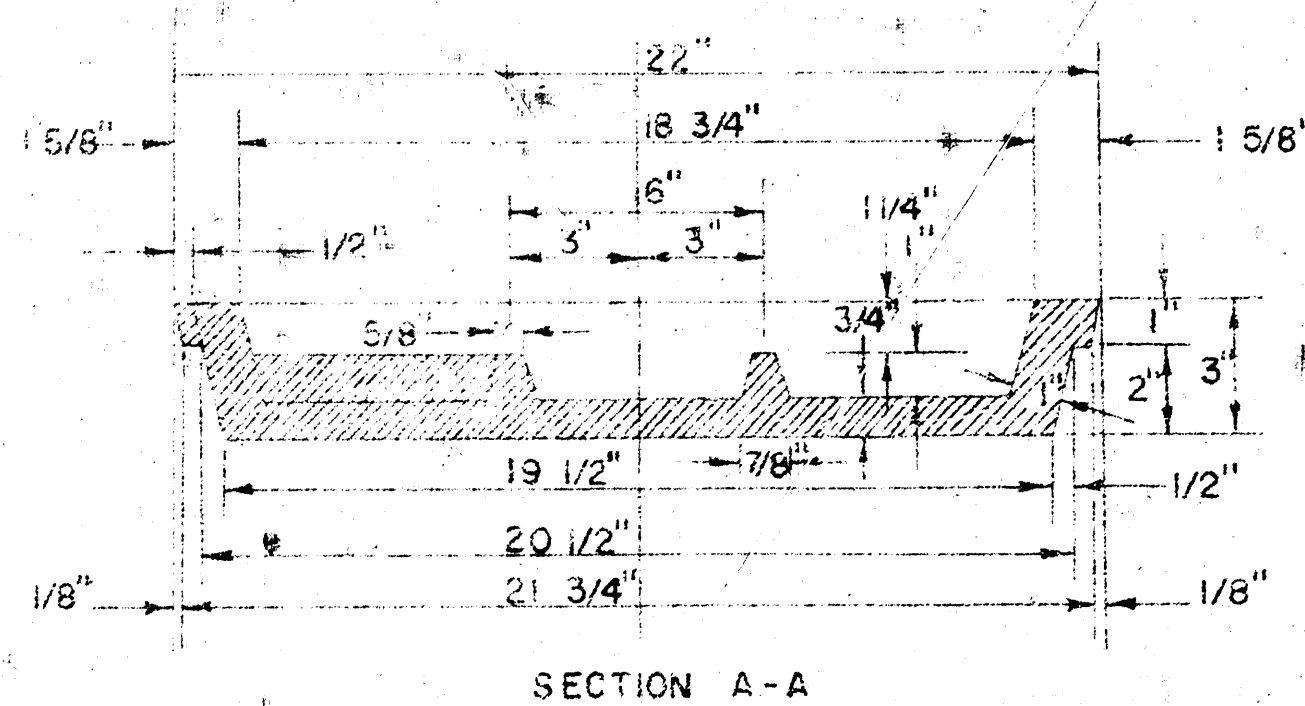


ORDINARY BEDDING METHOD
FOR REINFORCED CONCRETE PIPE

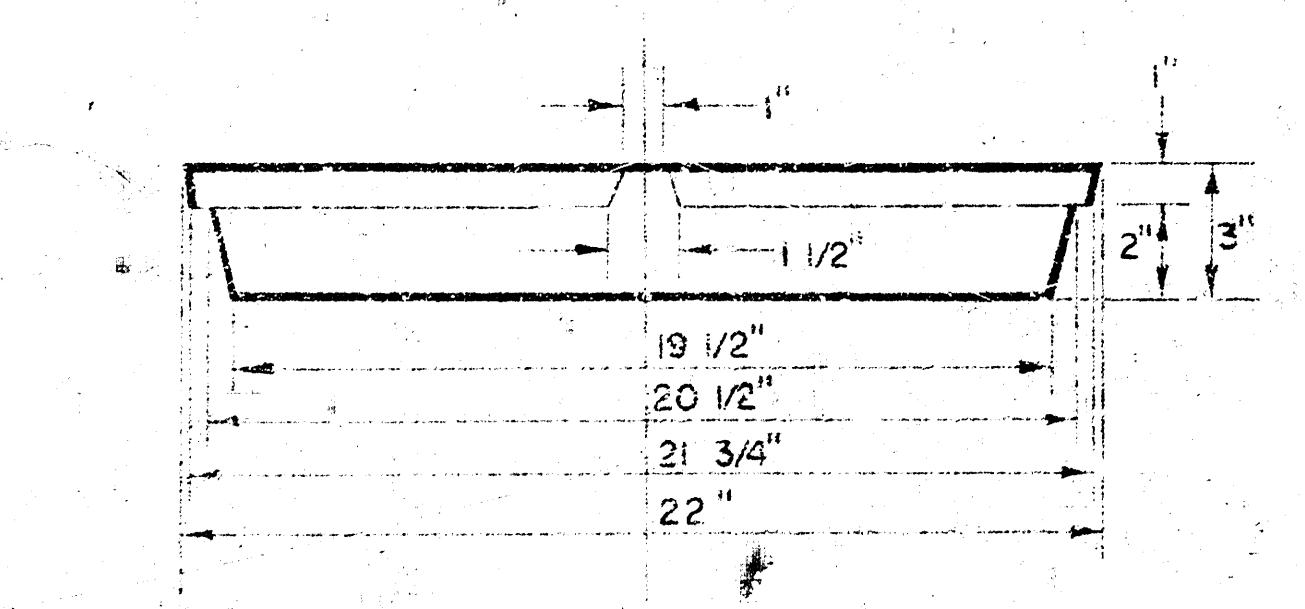
DETAILS OF
SEWER APPURTENANCES
ADOPTED AS STANDARD DESIGN
BY
ENGINEERING DIVISION
CITY OF WICHITA, KANSAS.
R. W. LINN CITY ENGINEER
1974
PROJECT NO. DBKA 5 74033

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 THROUS OF ALL MANHOLES SHALL BE SHAPED TO INCREASE HYDRAULIC EFFICIENCY USING 6 SACK SAND MIX CONCRETE.



SECTION A-A
MANHOLE COVER



SIDE VIEW
MANHOLE COVER