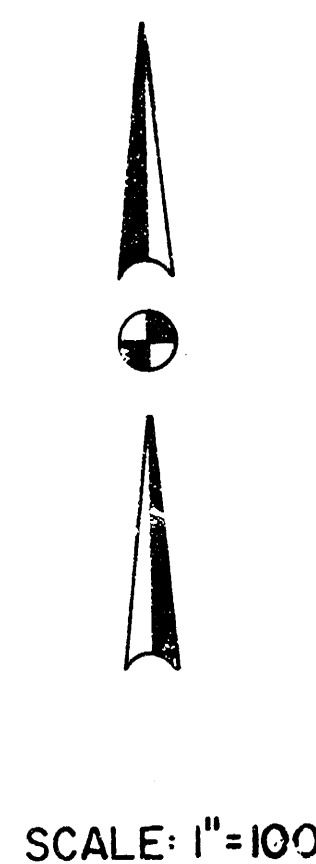
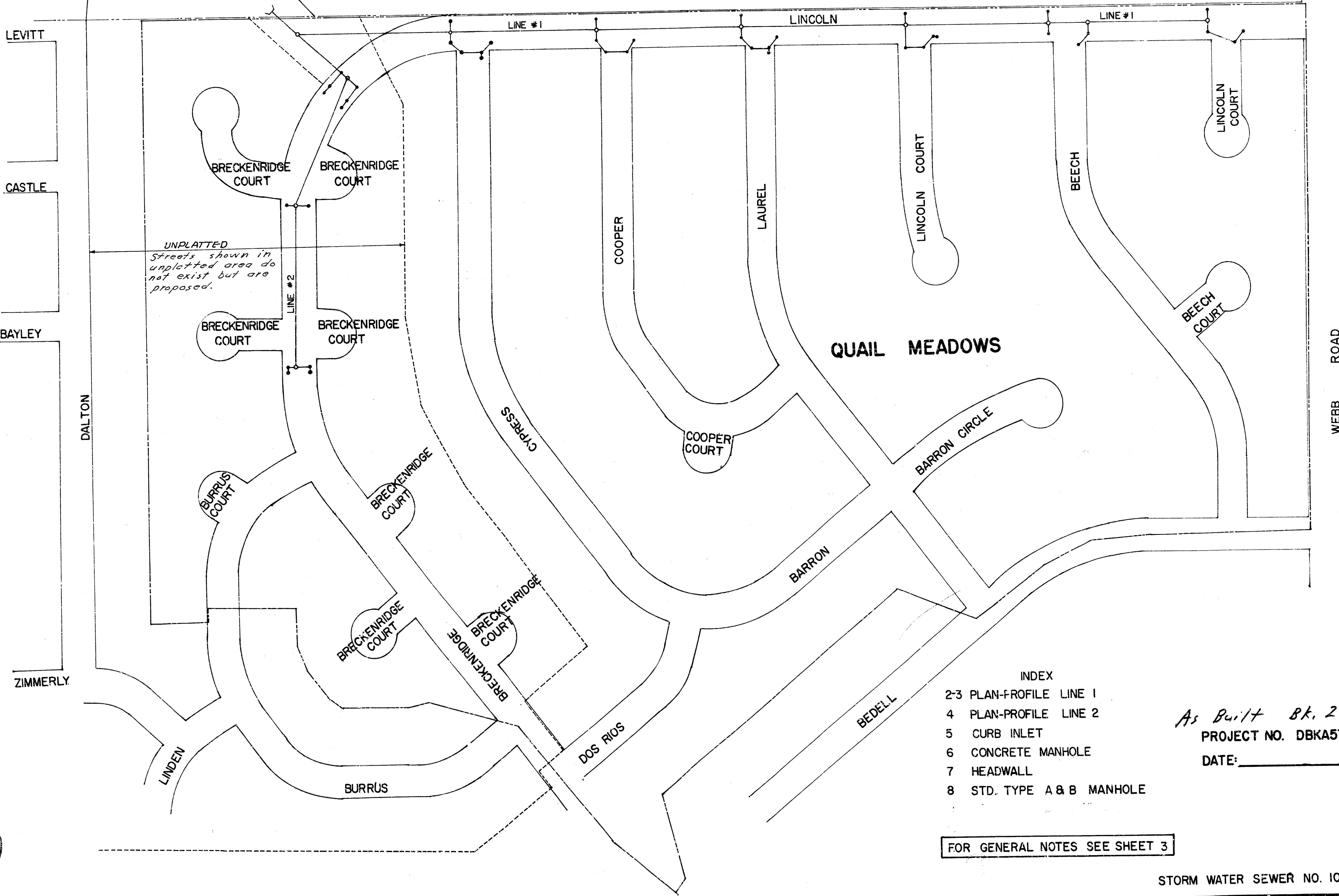


STORM WATER SEWER NO. 108

CITY OF WICHITA, KANSAS

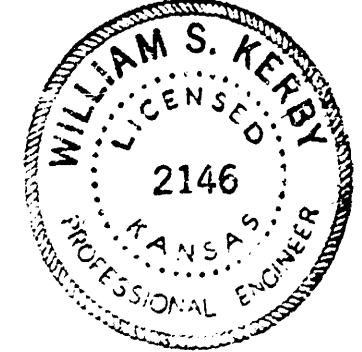
R. W. LINN, CITY ENGINEER



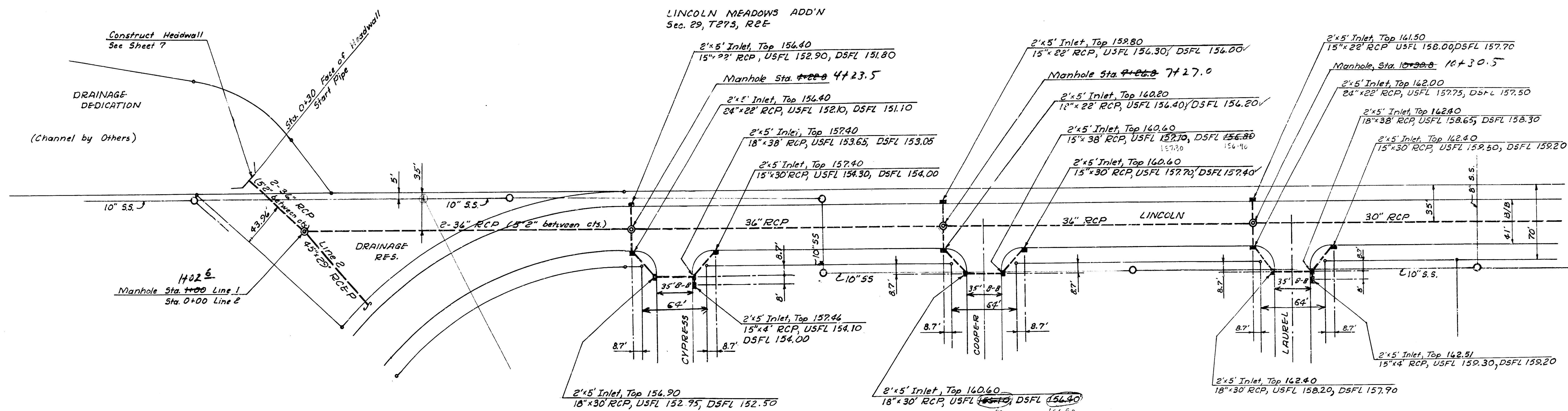
- INDEX
- 2-3 PLAN-PROFILE LINE 1
 - 4 PLAN-PROFILE LINE 2
 - 5 CURB INLET
 - 6 CONCRETE MANHOLE
 - 7 HEADWALL
 - 8 STD. TYPE A & B MANHOLE

As Built Bk. 289 Y
PROJECT NO. DBKA574016
DATE: _____

FOR GENERAL NOTES SEE SHEET 3

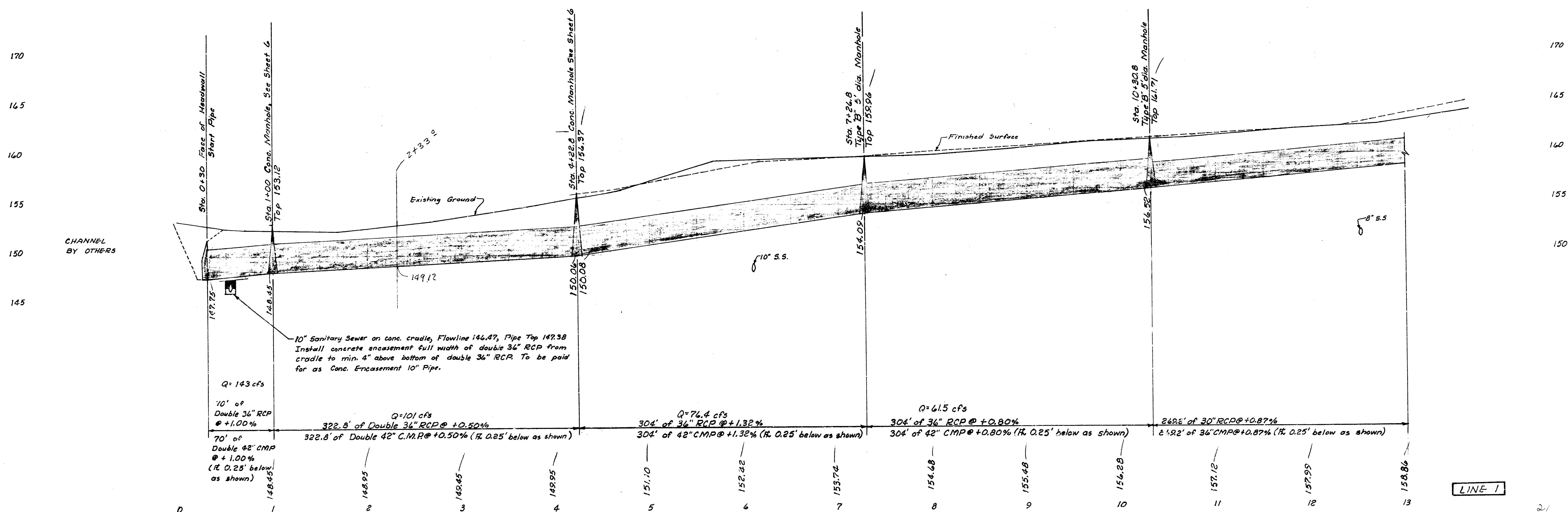


BM 161.75 RR Spike & Face Light Pole
SW Cor, Lincoln & Dalton



SCALE: Hor. 1" = 50'
Ver. 1" = 5'

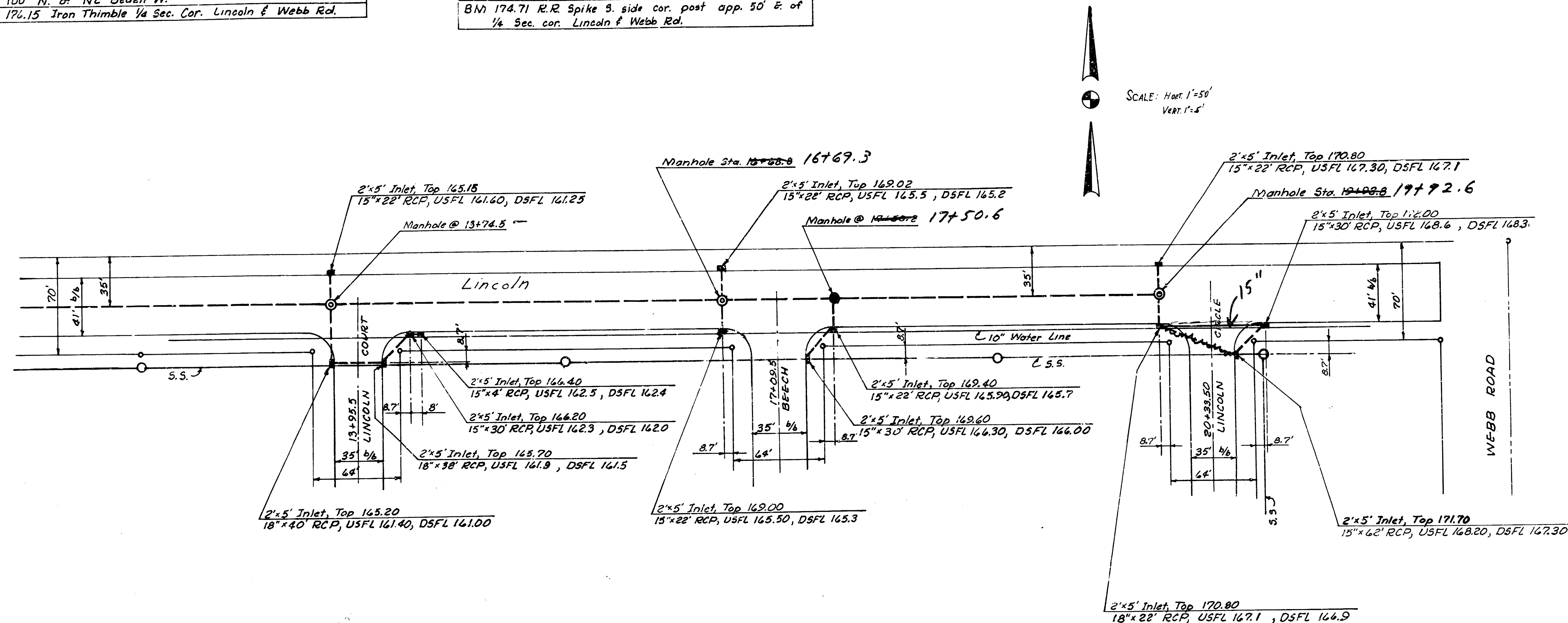
NOTE: All inlet at set-back location

$$\begin{array}{r} 2.2 \\ 1.25 \\ \hline 3.45 \end{array}$$
$$\begin{array}{r} 160.60 \\ 3.45 \\ \hline \text{VS } 7.15 \end{array}$$


S. W. S. #108 PROJ. NO. DBKA574016 SHEET ²/₈: 8

BM 184.40 R.R. Spk. Top 2" guard pole E. side Webb Rd. app.
100' N. of N.L. Bedell W.
BM 176.15 Iron Thimble 1/4 Sec. Cor. Lincoln & Webb Rd.

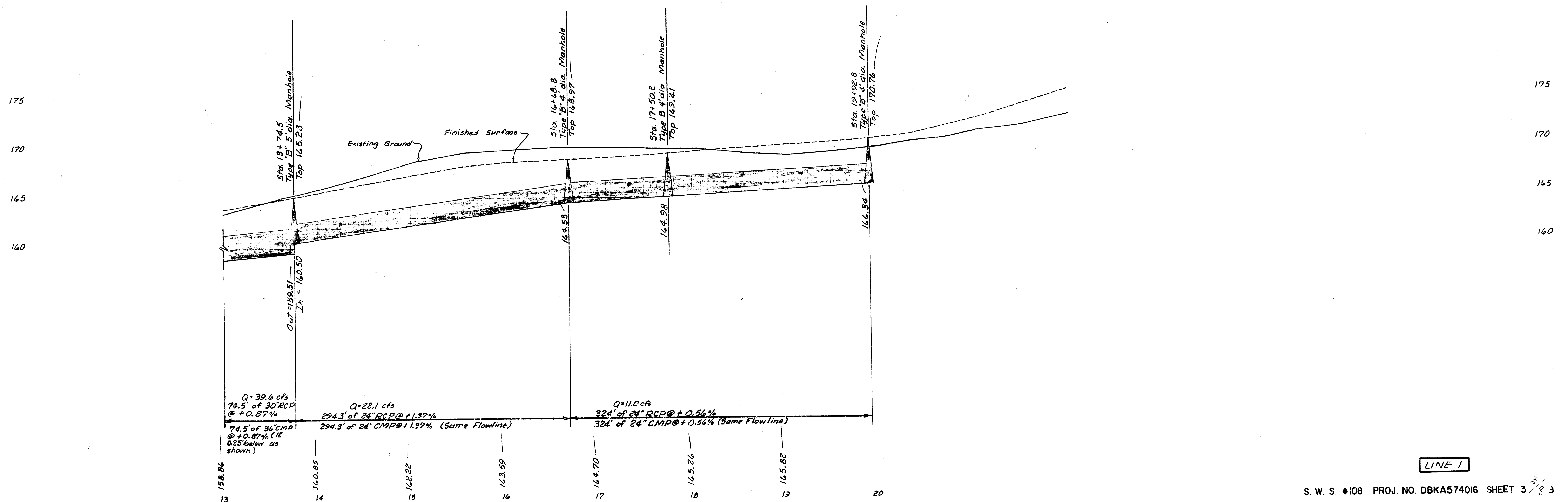
BM 172.03 Webb Rd & Harry Corw B.M. Disc 48' So.
& 4 1/2' W. of E. both.
BM 174.71 R.R. Spike S. side cor. post app. 50' E. of
1/4 Sec. cor. Lincoln & Webb Rd.



NOTE: All inlets at set-back location

GENERAL NOTES

1. THE PRICE BID FOR CLEARING RIGHT OF WAY SHALL INCLUDE ALL COST FOR WORK NECESSARY TO CLEAR THE RIGHT OF WAY TO FACILITATE CONSTRUCTION OF THE STORM SEWER. TREES ARE NOT SHOWN ON THE PLAN AND THE CONTRACTOR WILL BE REQUIRED TO INSPECT THE SITE TO DETERMINE THE EXTENT OF TREE REMOVAL. ALL TREES NOT IN CONFLICT WITH CONSTRUCTION OF THE SEWER SHALL BE SAVED.
2. PIPE FURNISHED FOR THIS PROJECT SHALL EITHER BE ALL REINFORCED CONCRETE PIPE OR CORRUGATED METAL PIPE. CORRUGATED METAL PIPE SHALL CONFORM TO THE APPLICABLE SECTIONS OF SECTION 1009.05 AND SECTION 1009.07 OF THE 1973 KANSAS STATE HIGHWAY SPECIFICATIONS. CORRUGATED METAL PIPE FURNISHED FOR THIS PROJECT SHALL BE COATED IN ACCORDANCE WITH TYPE "B" OF SECTION 1009.07.
3. ALL CURB INLETS ARE TO BE CONSTRUCTED AT A SET BACK LOCATION. SEE SHEET NO. 5 FOR DETAILS. CONSTRUCTION NOTES FOR EACH INLET GIVE THE SIZE AND LENGTH OF THE OUTFLOW PIPE FROM THE INLET, THE UPSTREAM FLOW ELEVATION OF THE OUTFLOW PIPE (U.S.F.L.), AND THE DOWNSTREAM FLOW ELEVATION OF THE OUTFLOW PIPE (D.S.F.L.). FLOW ELEVATIONS SHOWN ON PLANS ARE FOR REINFORCED CONCRETE PIPE. FLOW ELEVATIONS MUST BE ADJUSTED AS INDICATED WHEN CORRUGATED METAL PIPE IS USED.
6. CONTRACTOR MUST USE SPECIAL CARE WHILE CONSTRUCTING INLETS ADJACENT TO WATERLINE OR WHILE CROSSING WATERLINE WITH STORM SEWER PIPE ON THE SOUTH SIDE OF LINCOLN.
7. MANHOLE RINGS HAVING A DIAMETER OF 50" SHALL BE USED WITH ALL 5' DIAMETER TYPE "B" MANHOLES.



BM 161.75 RR spike E Face Light Pole
on SW Cor. Lincoln & Dalton

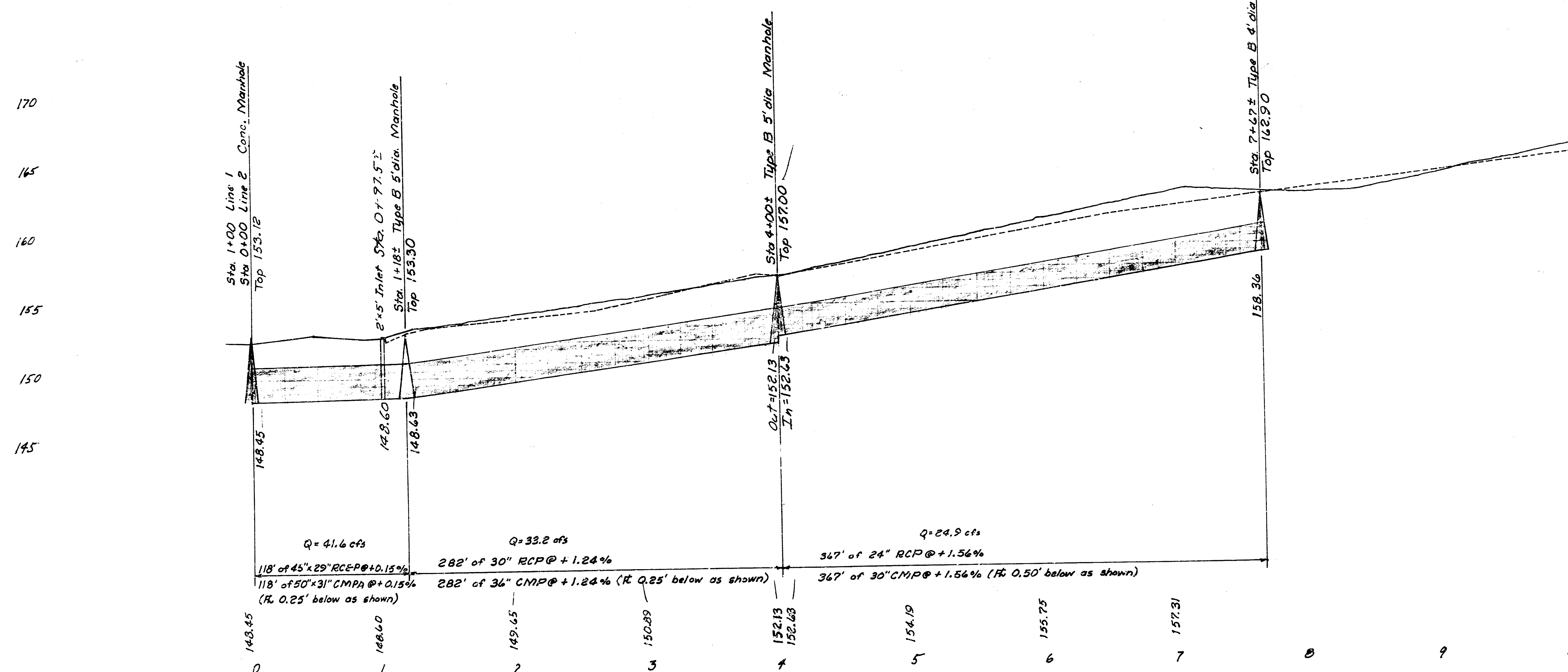
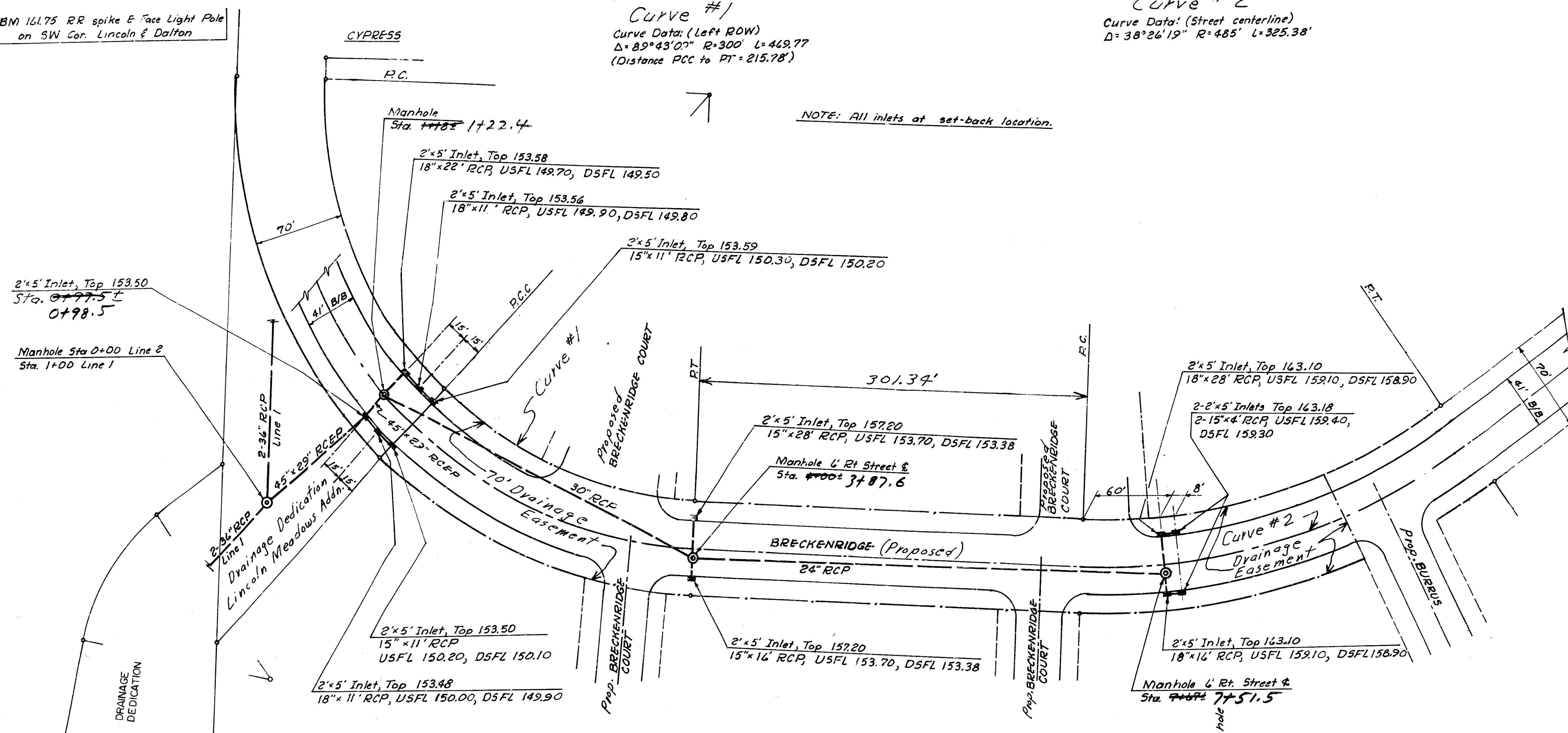
CYPRESS

Curve #1
Curve Data: (Left ROW)
 $\Delta = 89^\circ 43' 07''$ $R = 300'$ $L = 469.77'$
(Distance PCC to PT = 215.78')

Curve #2
Curve Data: (Street centerline)
 $\Delta = 38^\circ 26' 19''$ $R = 485'$ $L = 325.38'$

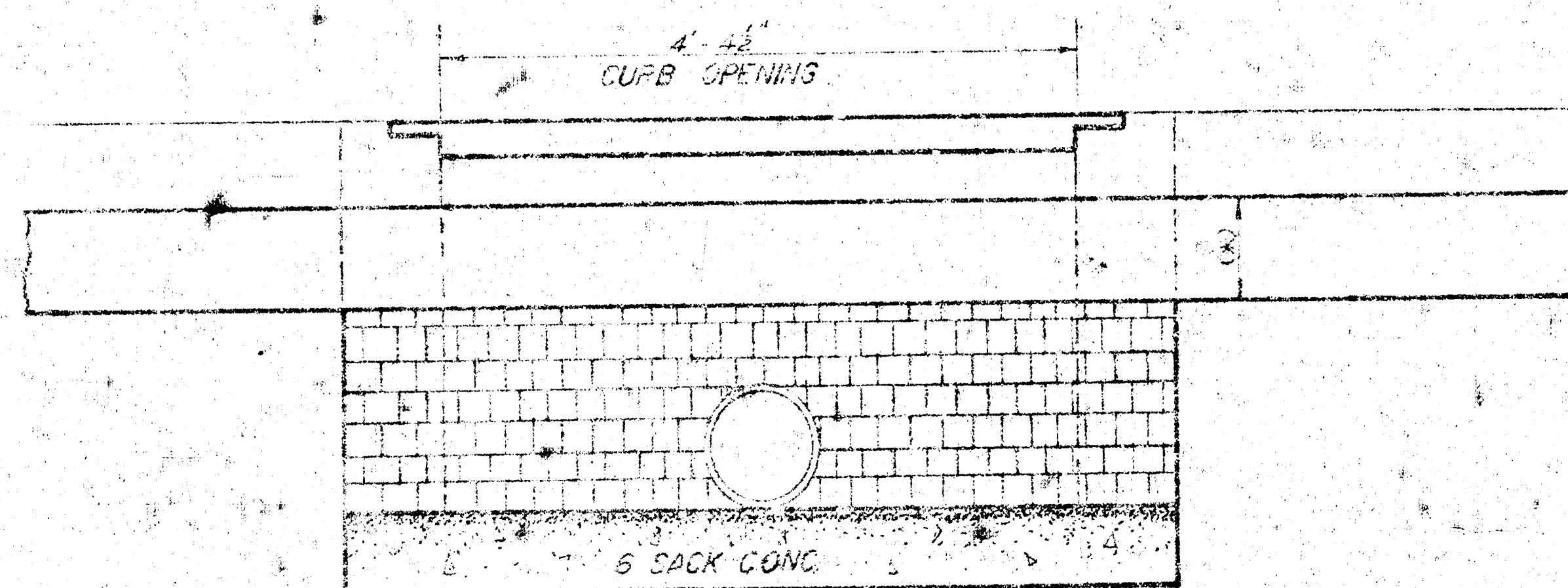
NOTE: All inlets at set-back location.

SCALE: HORT: 1" = 50'
VERT: 1" = 5'

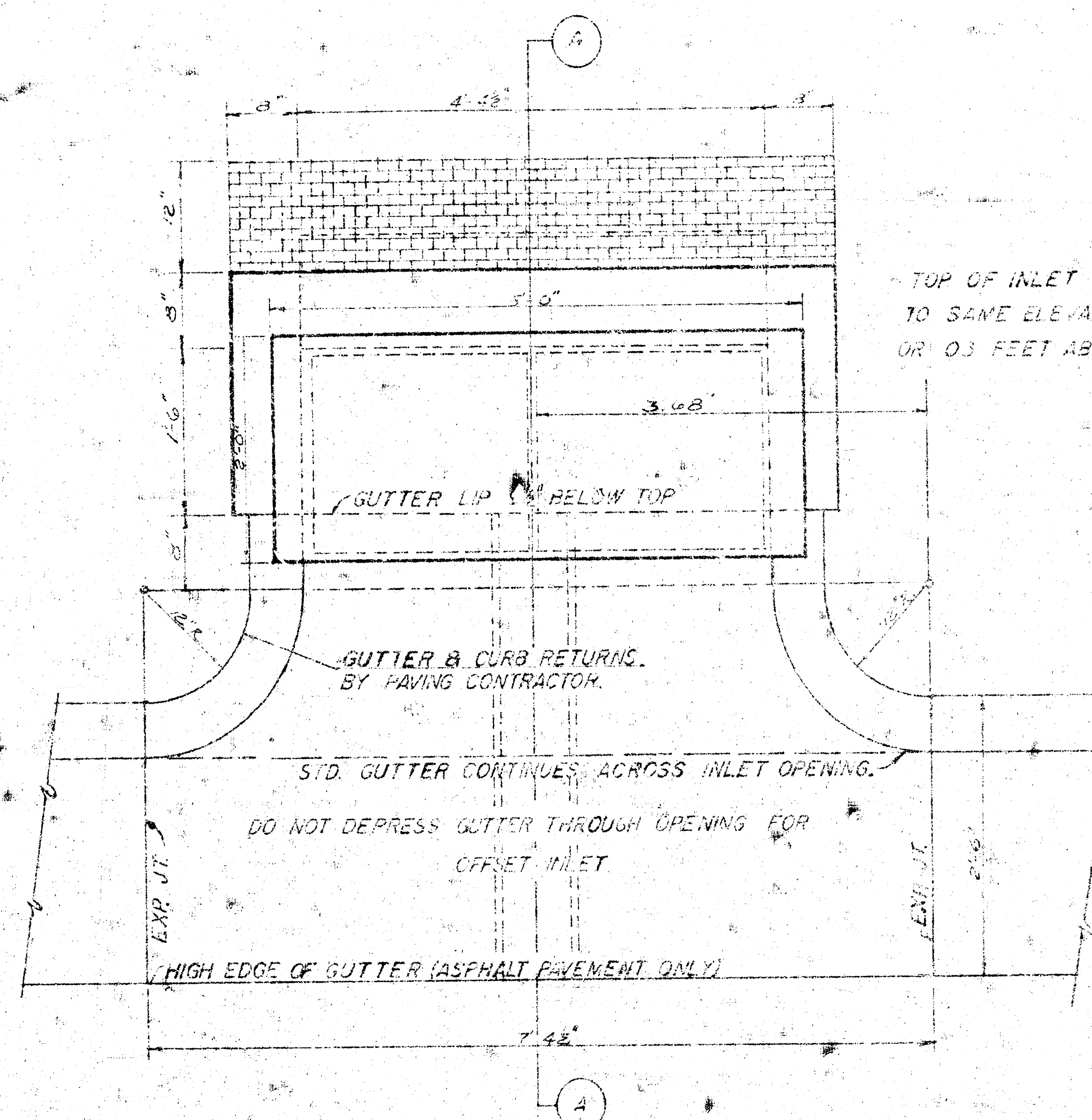


LINE 2

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

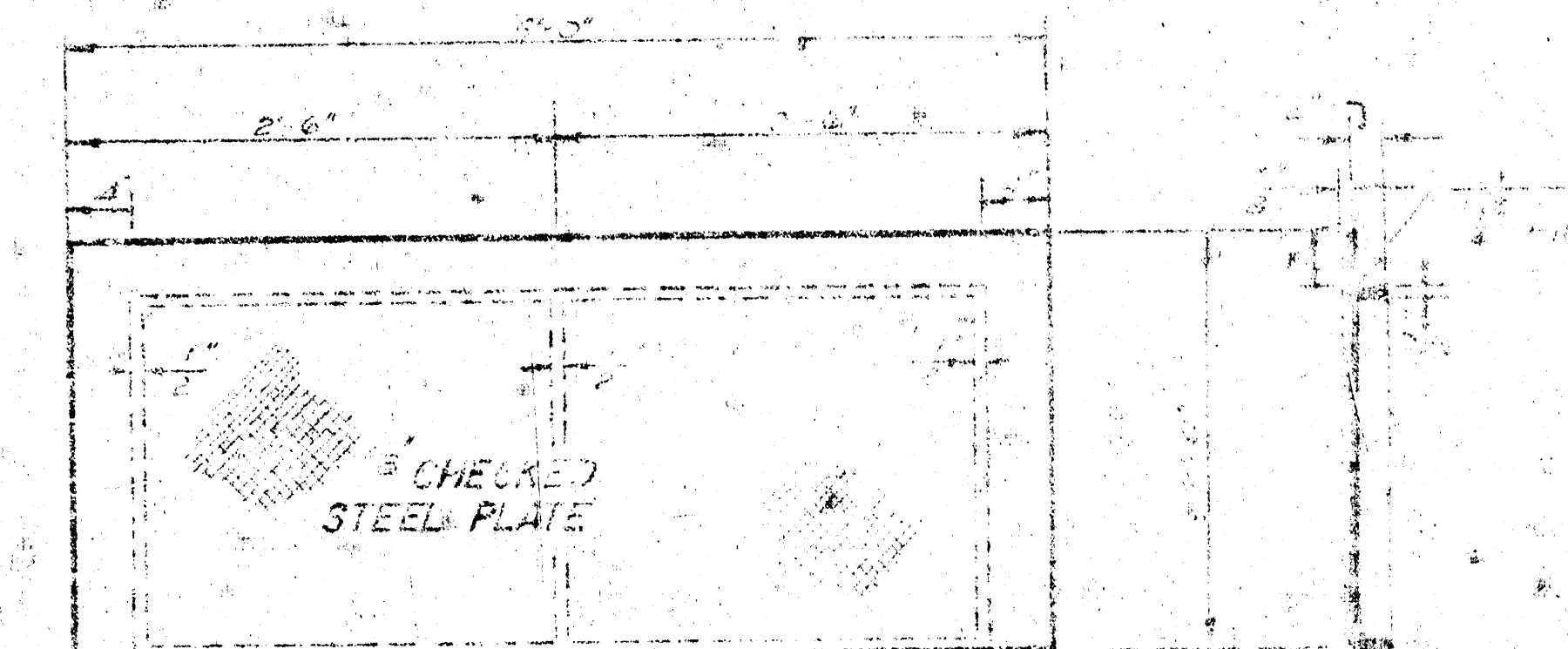


ELEVATION

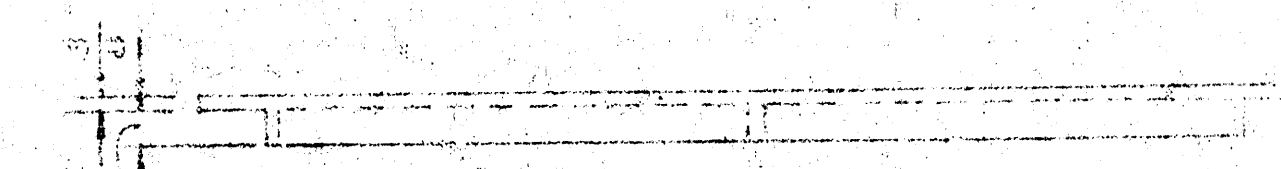


PLAN

NOTE: STRUCTURAL STEEL FOR
INLET COVER SHALL CONFORM
WITH THE LATEST REVISION OF
THE AMERICAN SOCIETY FOR
TESTING AND MATERIALS
DESIGNATION A36.

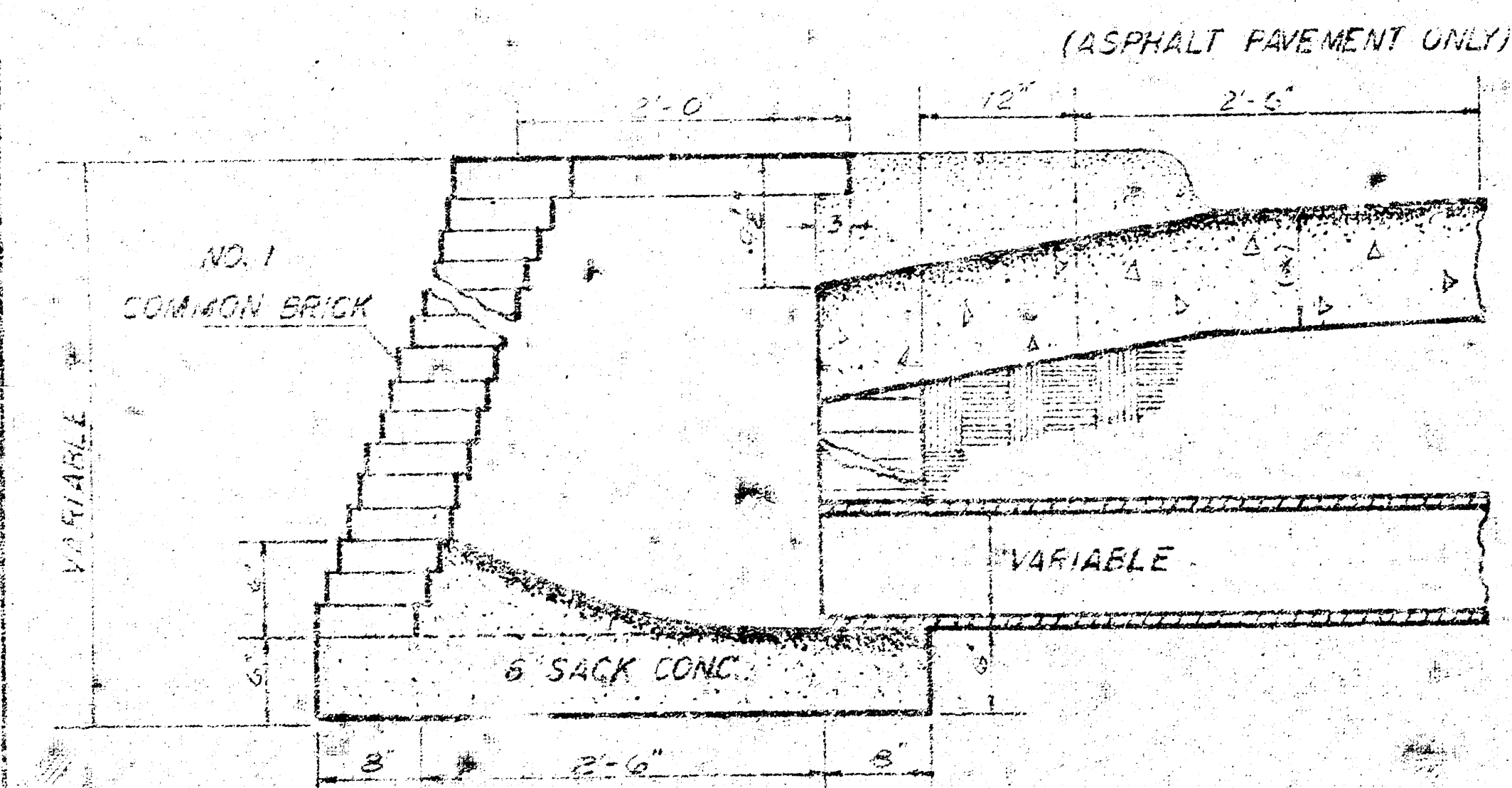


PLAN SECTION



ELEVATION

CITY OF WICHITA
STEEL INLET COVER
WEIGHT=206 LBS.
SHOP PAINT-BLACK ASPH
SCALE 1/4"=0'



SECTION THRU INLET
2'x5' INLET DETAIL
SCALE 1/4"=0'

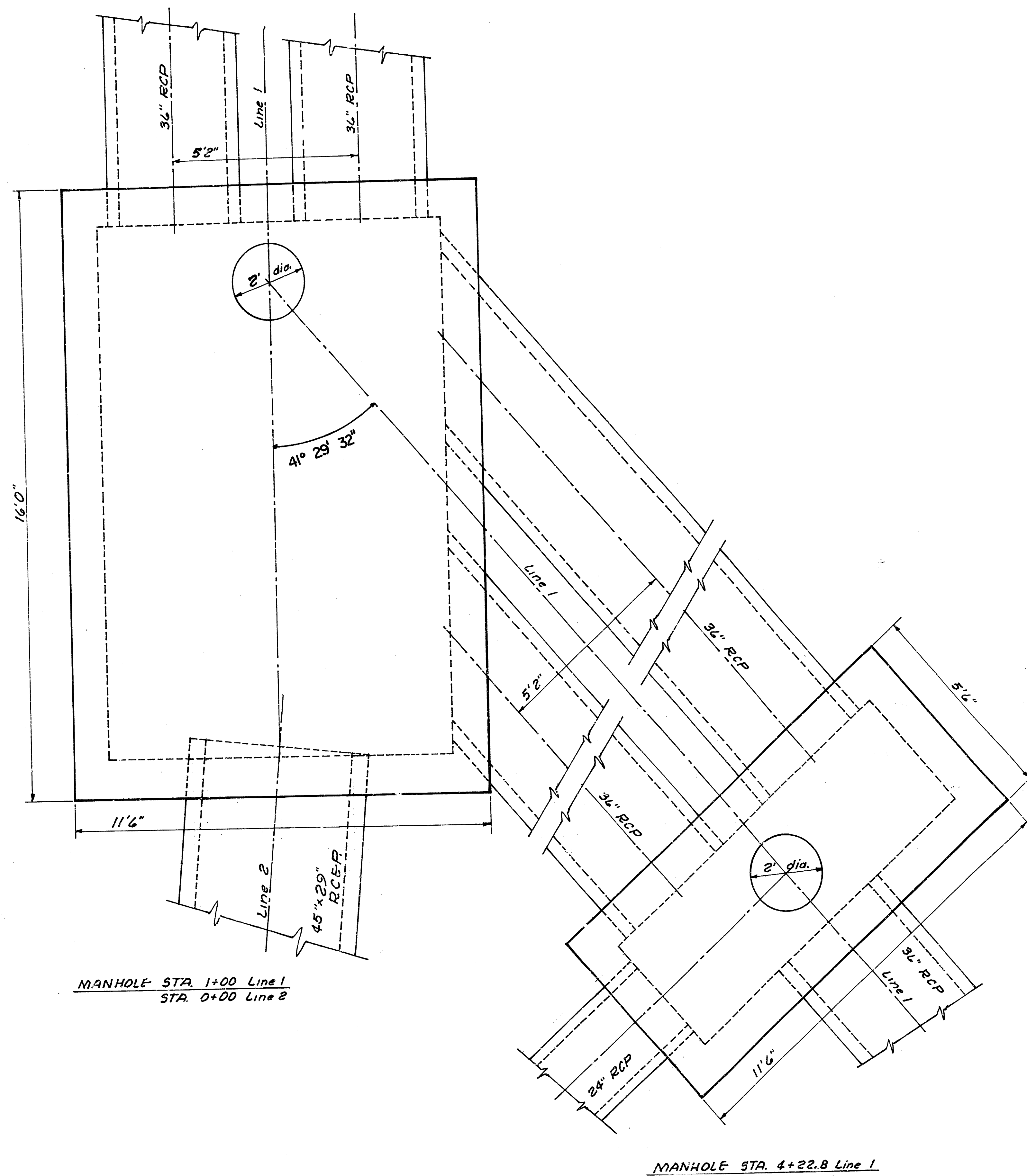
NOTE: BRICK FOR INLET CONSTRUCTION
SHALL CONFORM WITH THE LATEST
REVISION OF THE AMERICAN
SOCIETY FOR TESTING AND
MATERIALS DESIGNATION C32
FOR MANHOLE BRICK GRADE MS.

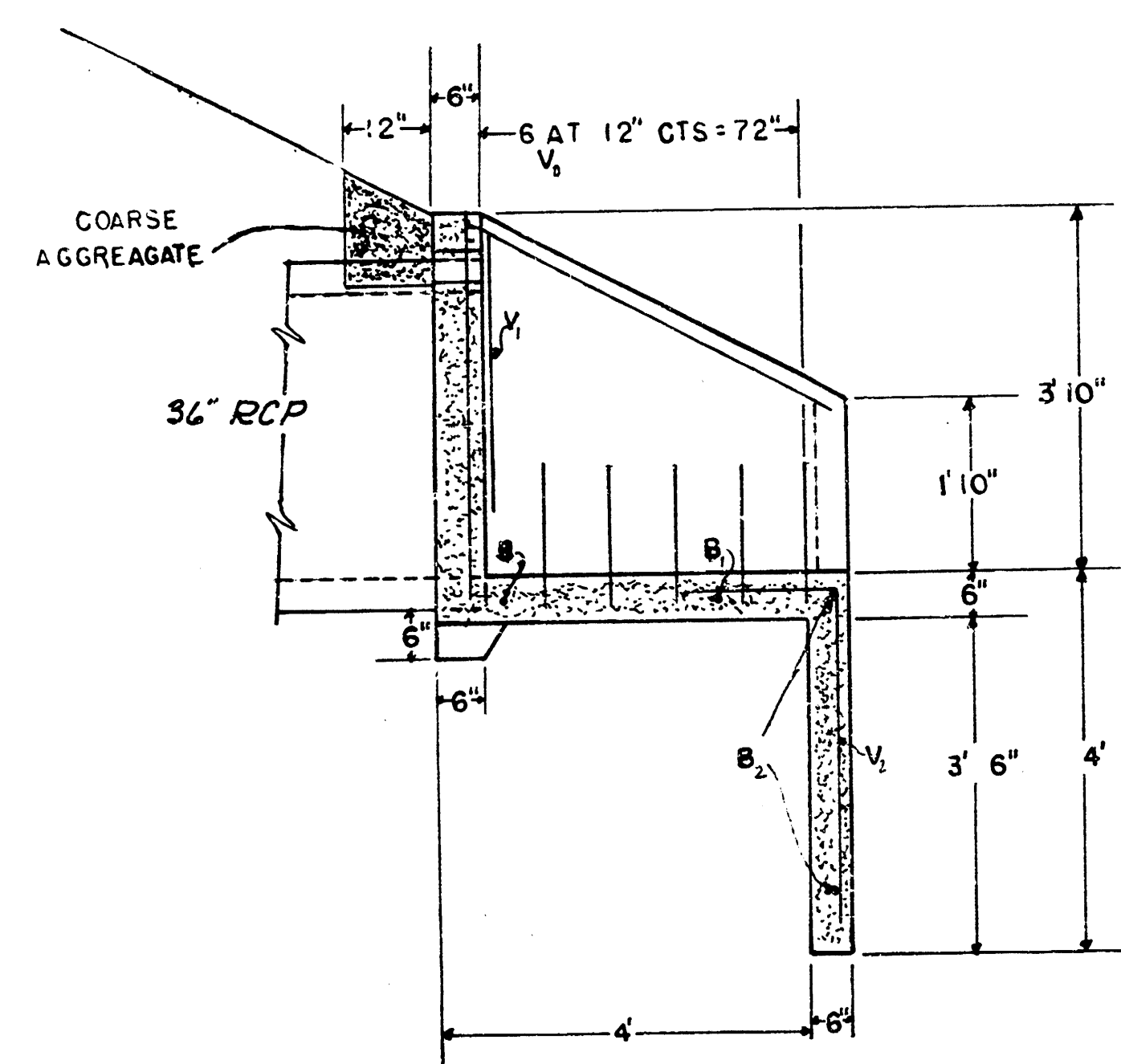
(*) CURB & GUTTER OR PAVEMENT THICKNESS

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

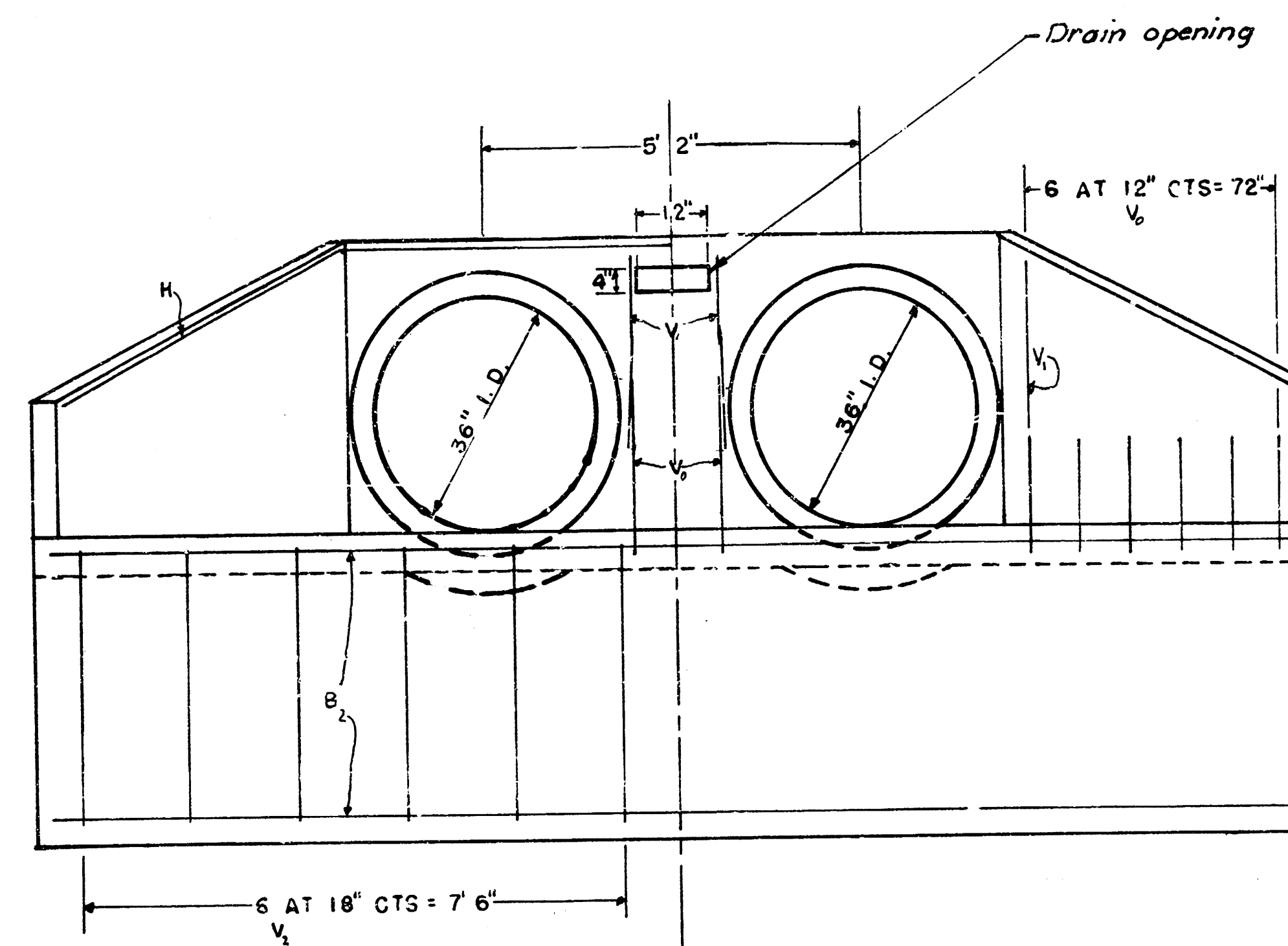
CITY OF WICHITA, KANSAS
R. W. LINN CITY ENGINEER

JUNE 1974

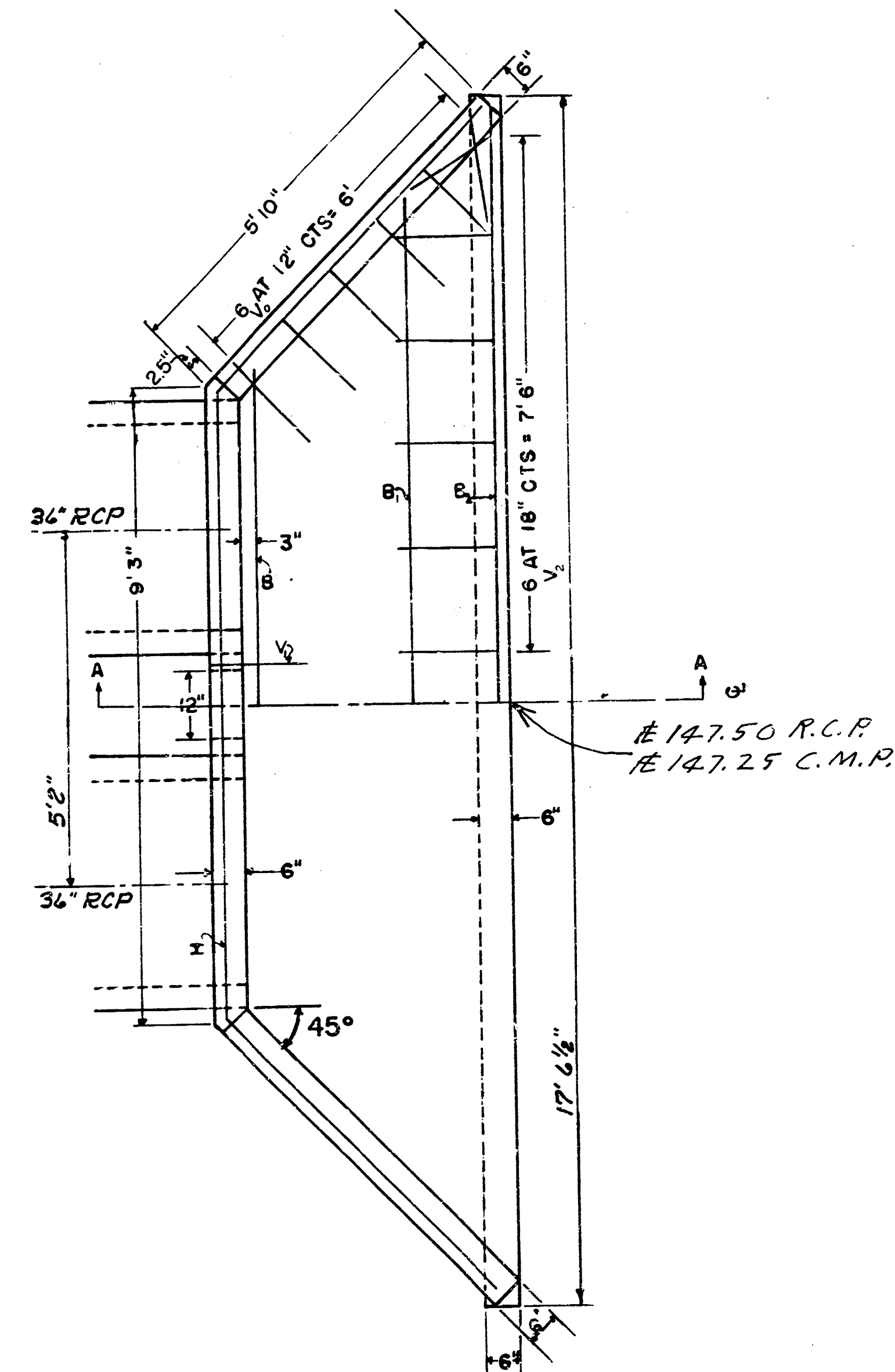




SECTION A-A



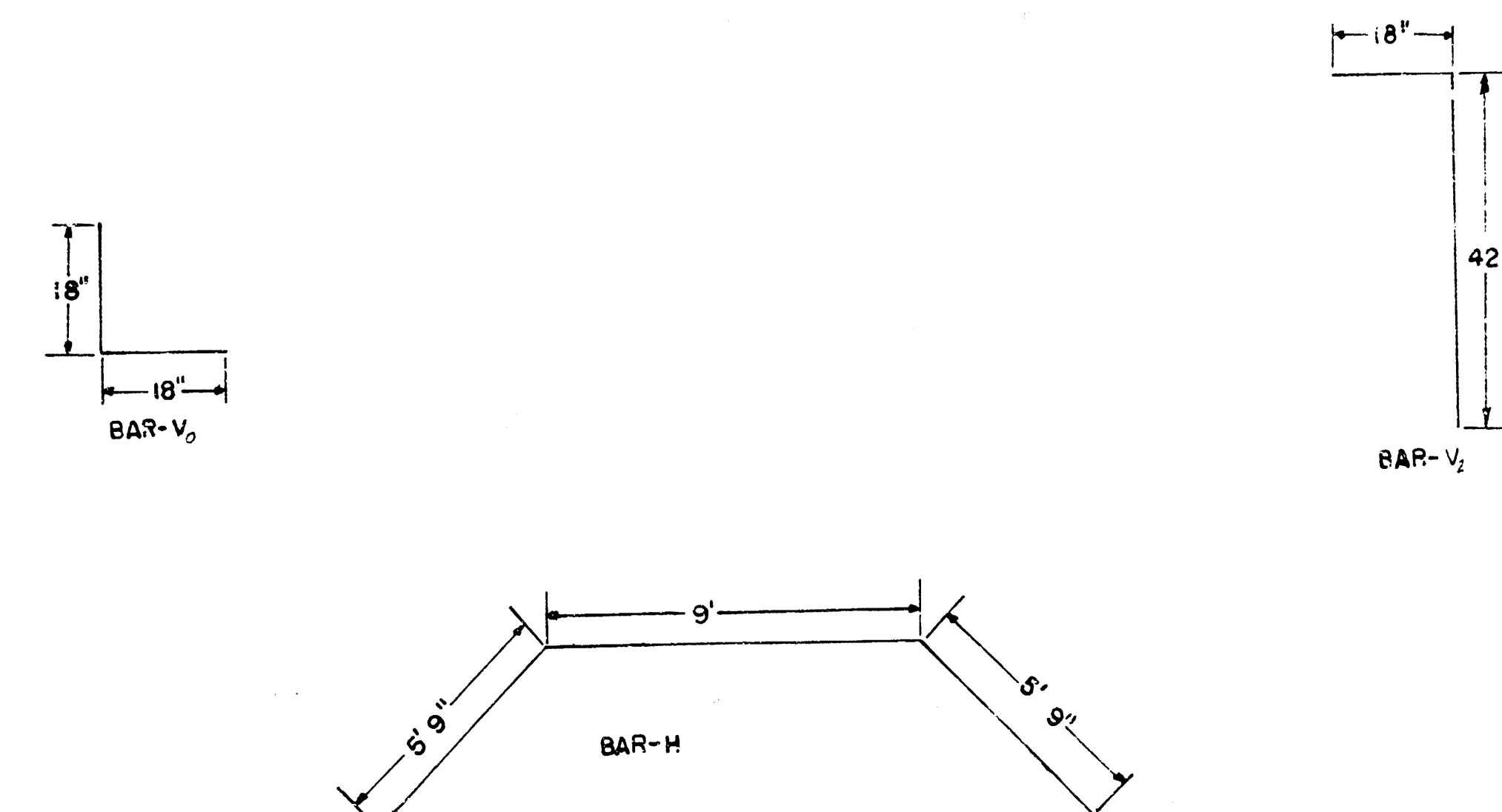
END ELEVATION



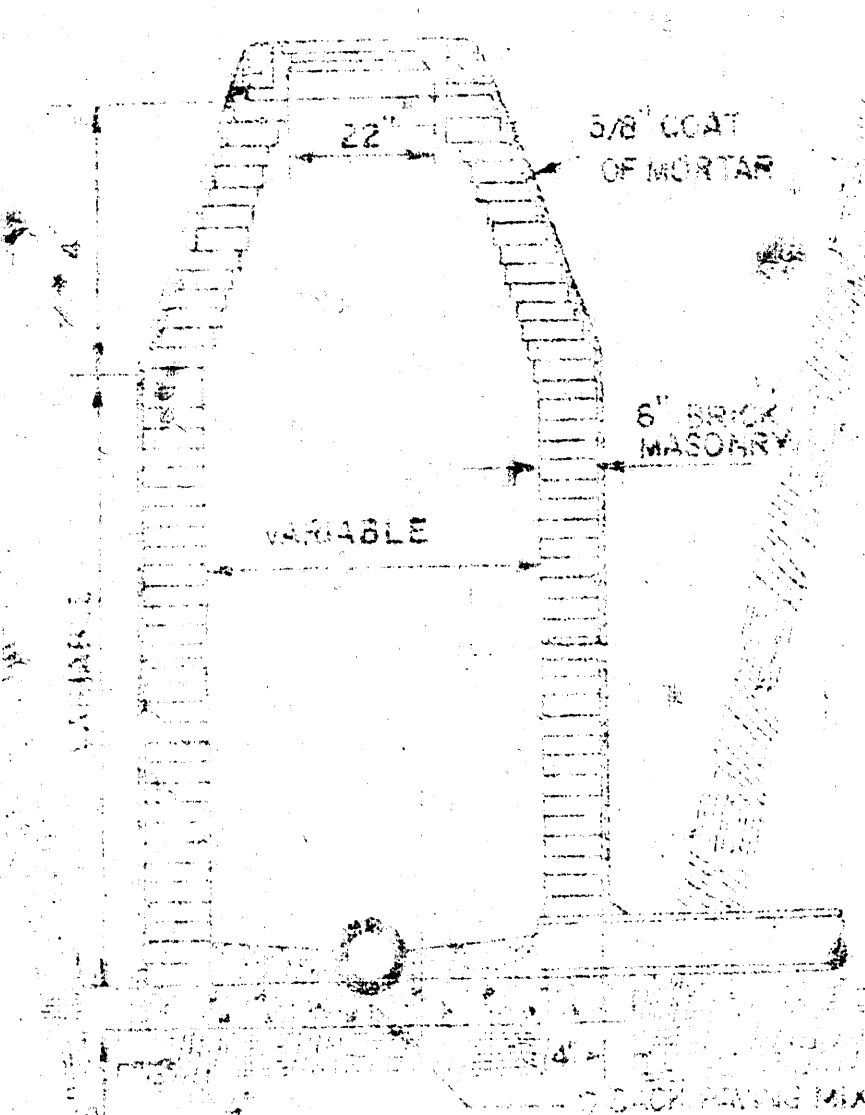
PLAN
Scale: 1/8" = 1' 0"

REINFORCED CONCRETE HEADWALL FOR 2 36" DIAMETER R.C. PIPE

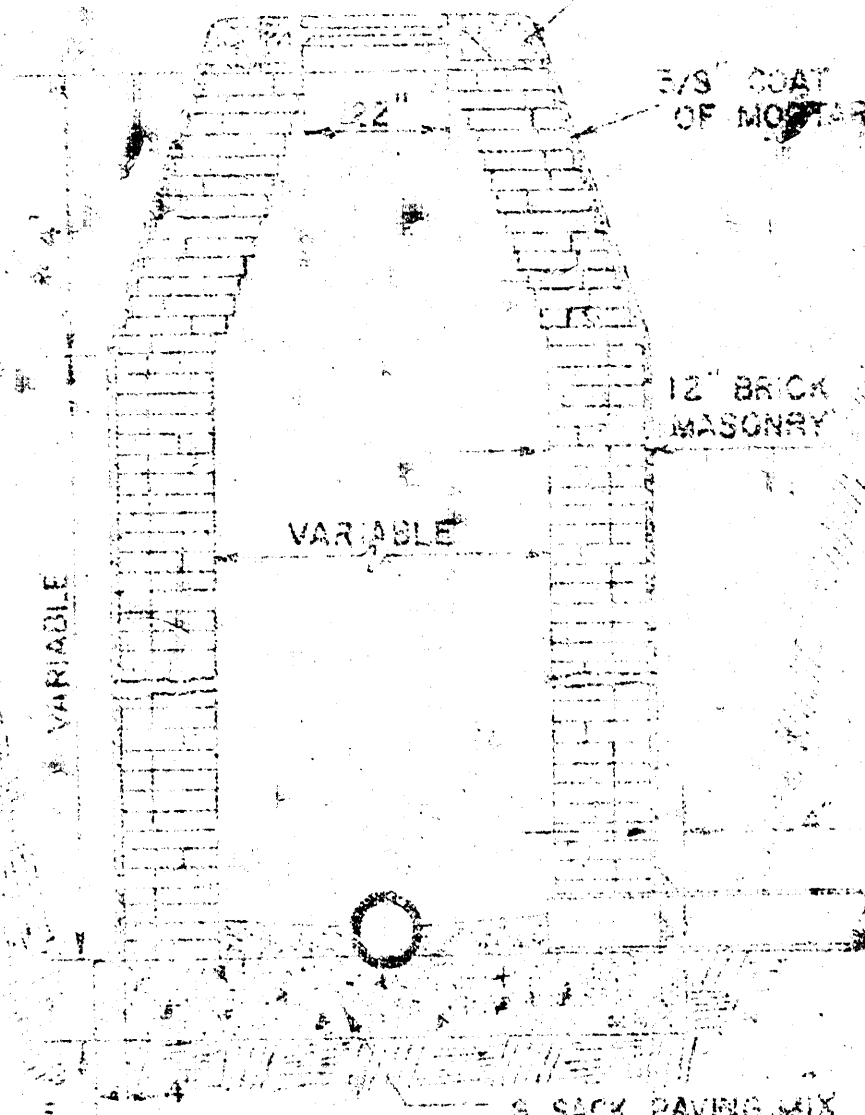
1. ALL REINFORCING STEEL SHALL BE #4 DEFORMED BAR.
2. ALL REINFORCING STEEL SHALL BE COVERED BY AT LEAST 2" OF CONCRETE.
3. IF SPLICING IS USED A LAP OF 20 DIAMETERS WILL BE USED, AT CONTRACTOR'S EXPENSE.
4. ALL CONCRETE WILL BE STANDARD PAVING MIX.
5. EMBANKMENT SLOPE ABOVE HEADWALL SHALL BE 2:1 OR FLATTER.



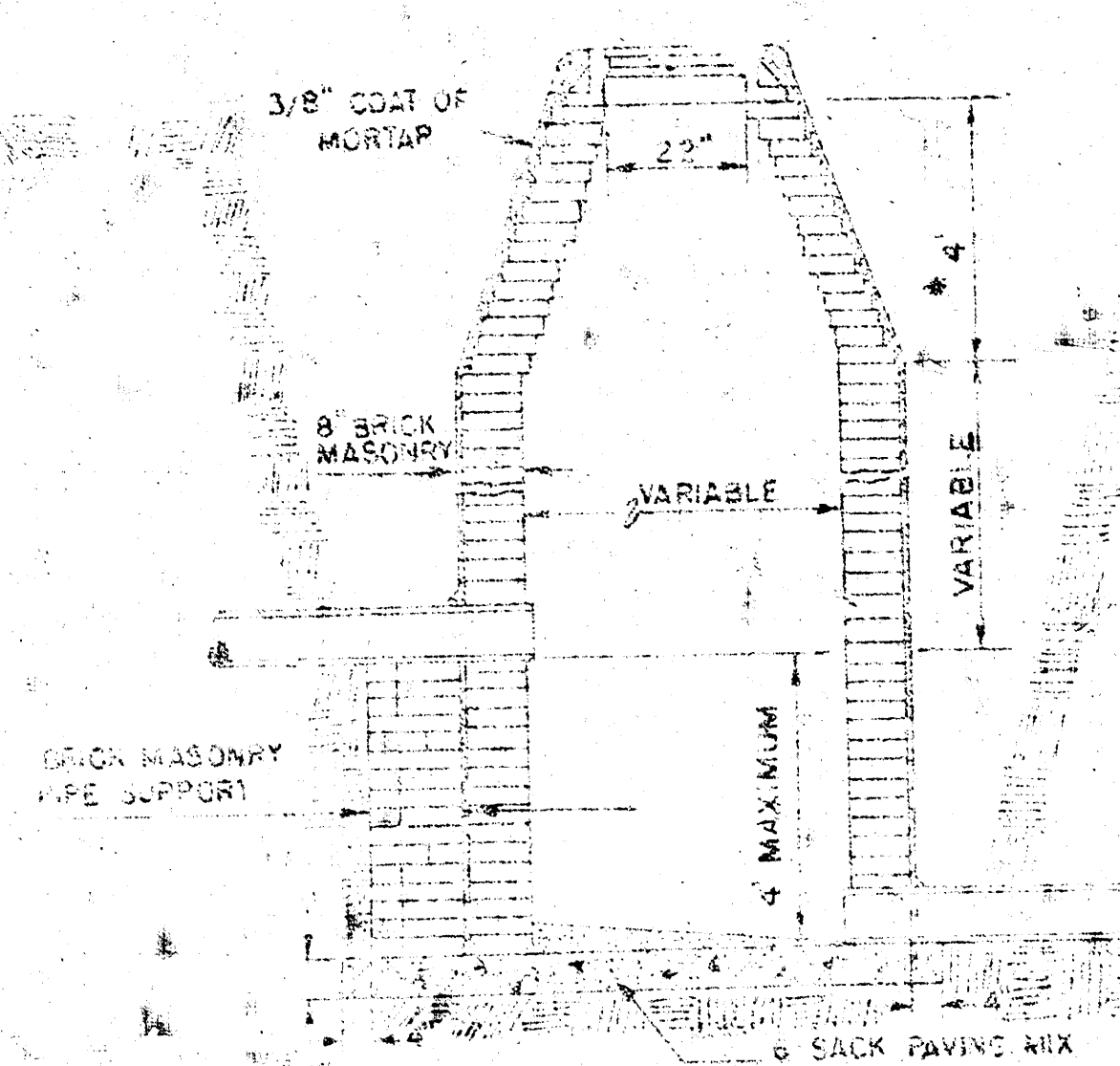
QUANTITIES			
NO. OF ITEM	MATERIAL	LENGTH / ITEM	TOTAL LENGTH
3.5	CONCRETE	CU. YDS.	35 CU. YDS.
	REINFORCING STEEL	LIN. FT.	LIN. FT.
1	H-BAR	20.5	205
1	B-BAR	9.75	97.5
1	B-BAR	14.5	145
2	B-BAR	17.0	340
14	V-BAR	3.0	420
4	V-BAR	3.5	140
12	V-BAR	5.0	600
	TOTAL		1950
		LBS/FT	LBS.
195	STEEL	0.668	131



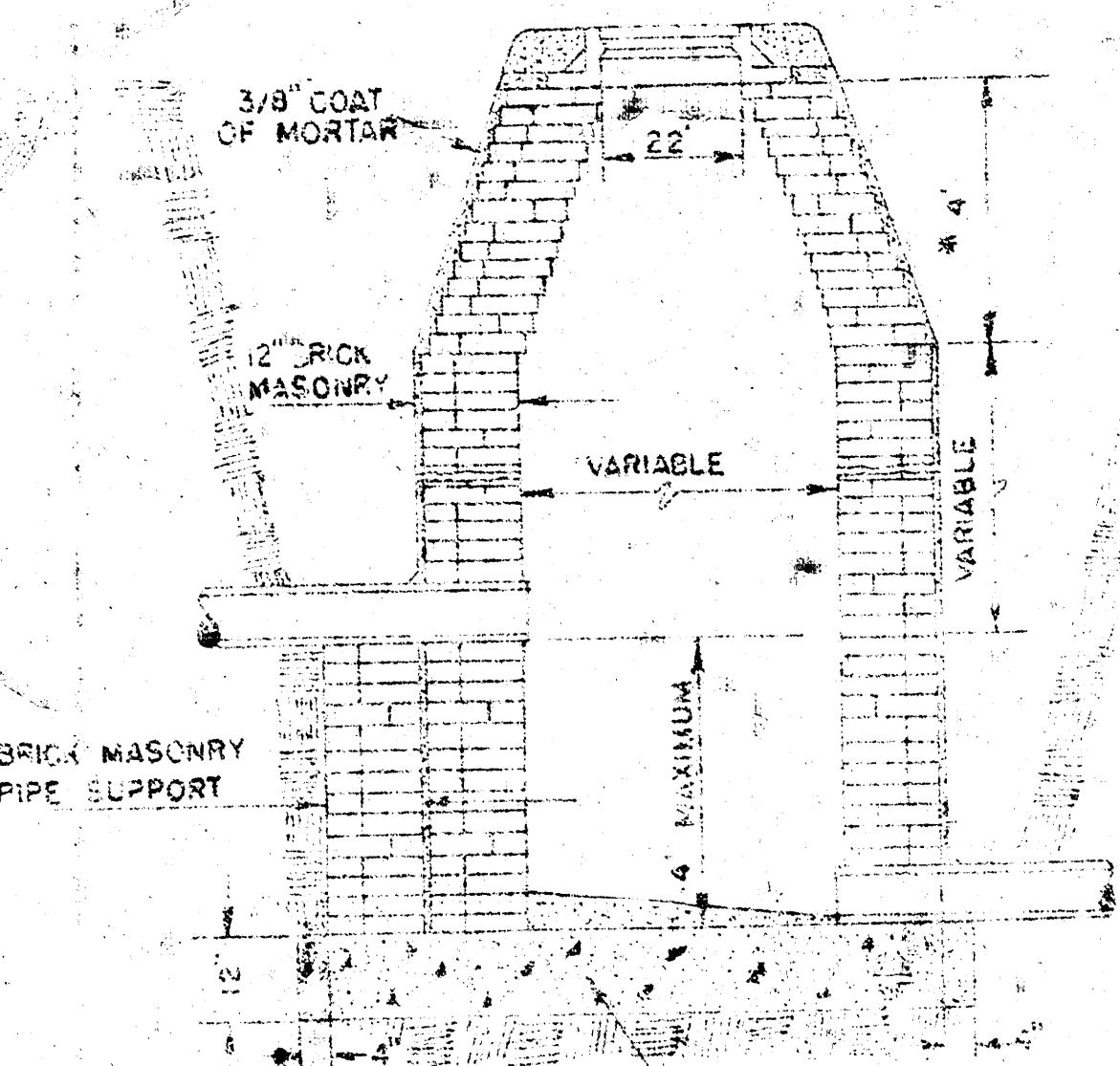
STANDARD MANHOLE
TYPE "A"



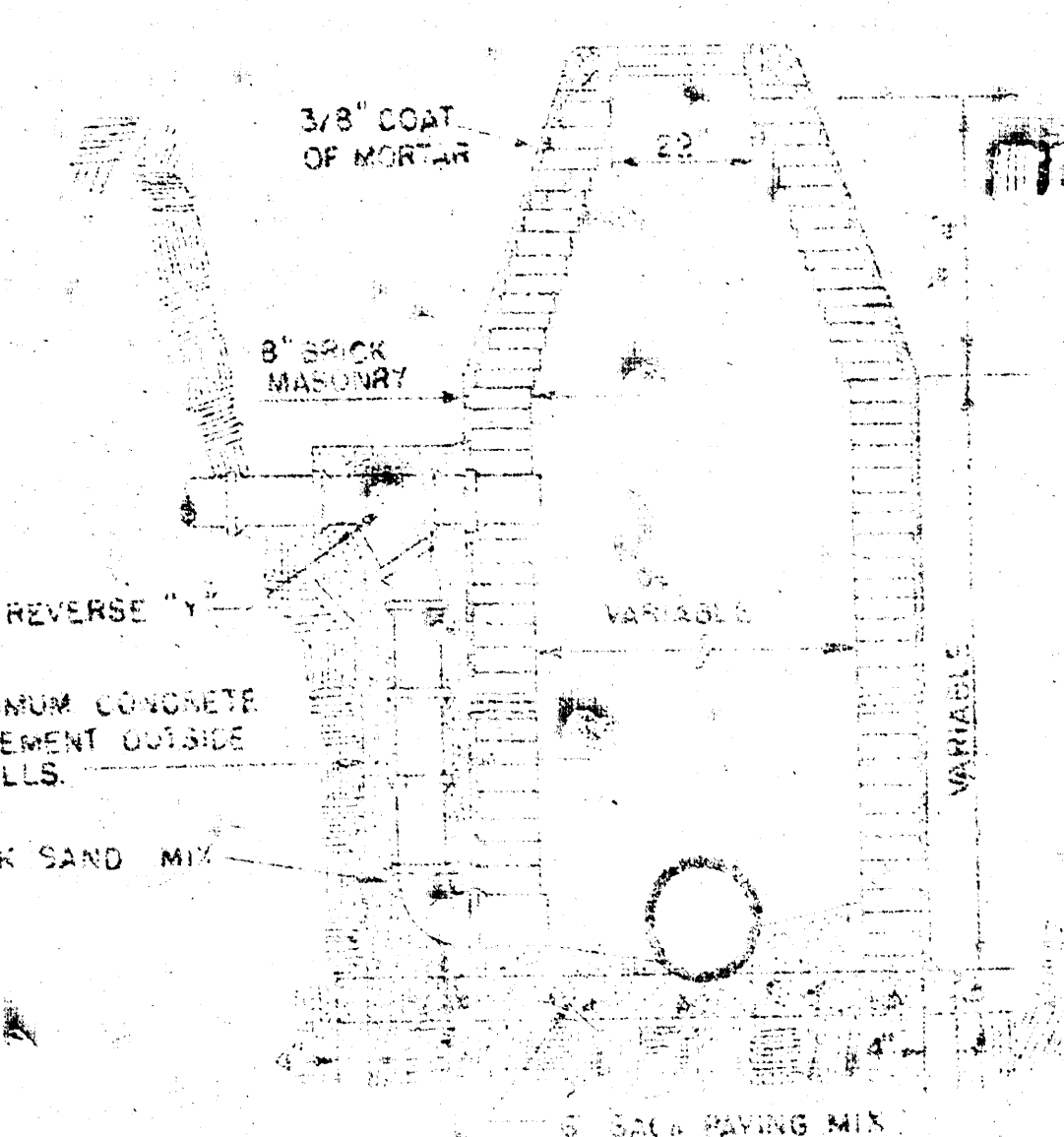
STANDARD MANHOLE
TYPE "B"



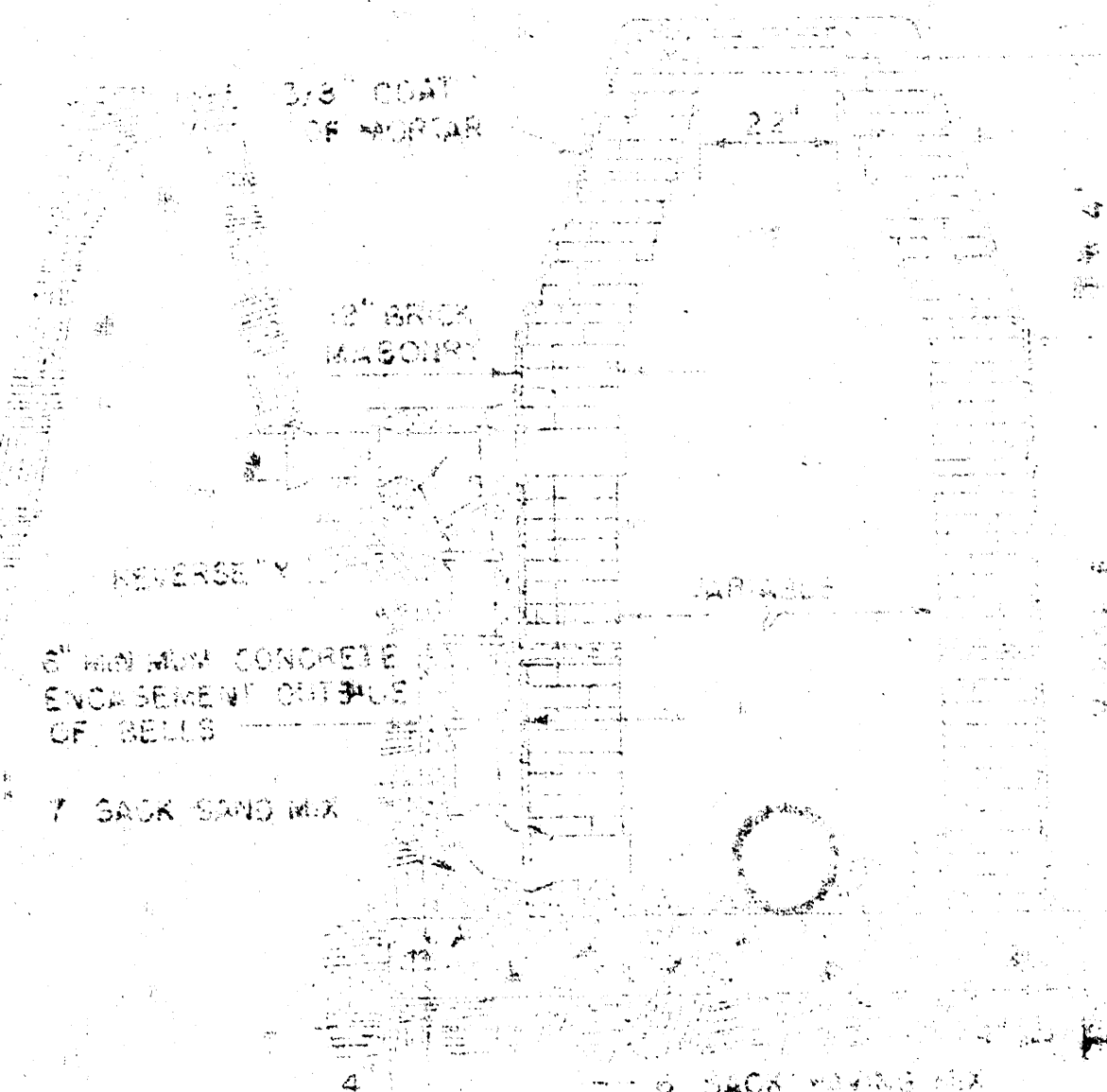
DROP MANHOLE
TYPE "A"



DROP MANHOLE
TYPE "B"

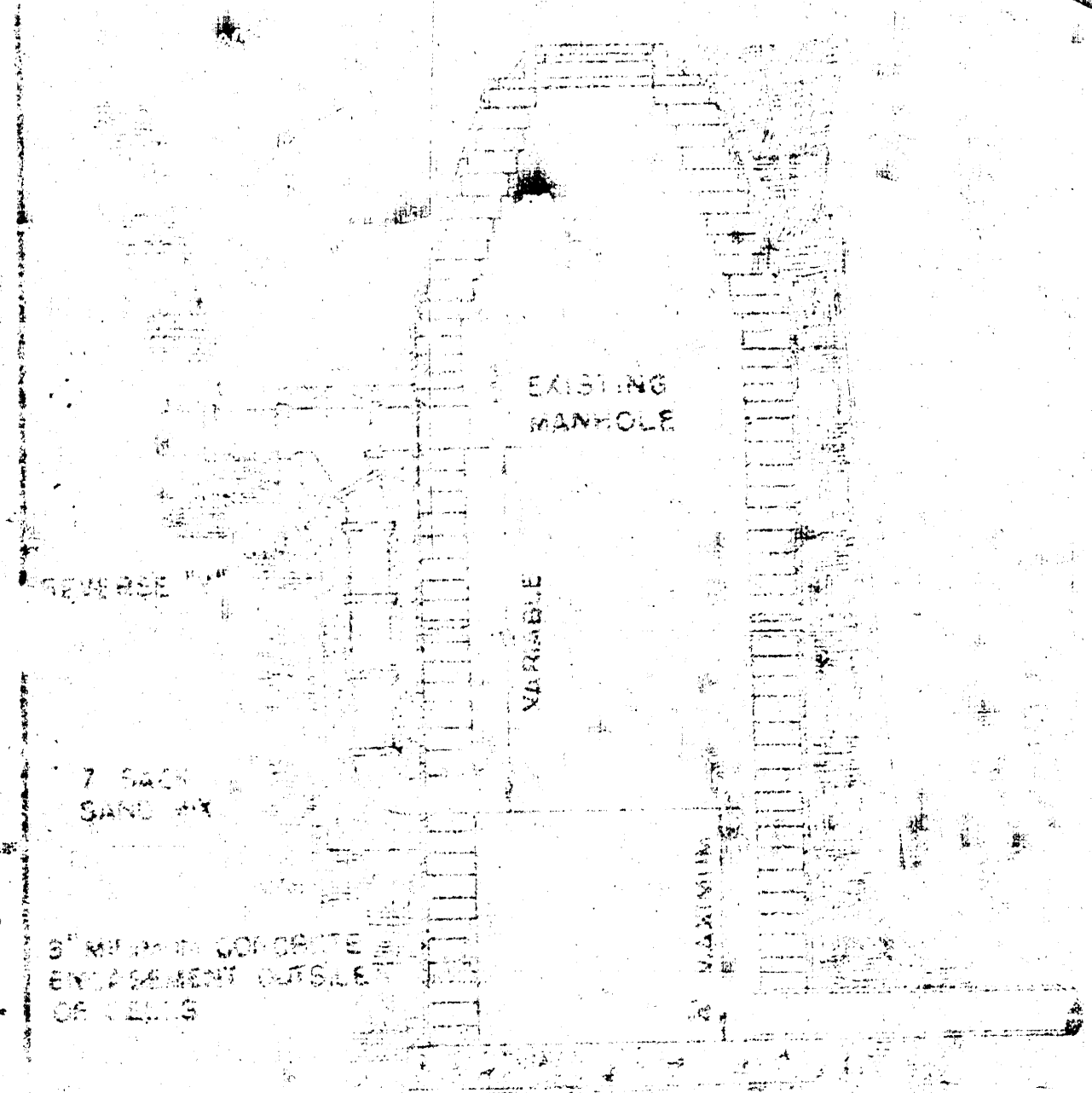


OUTSIDE DROP MANHOLE
TYPE "A"

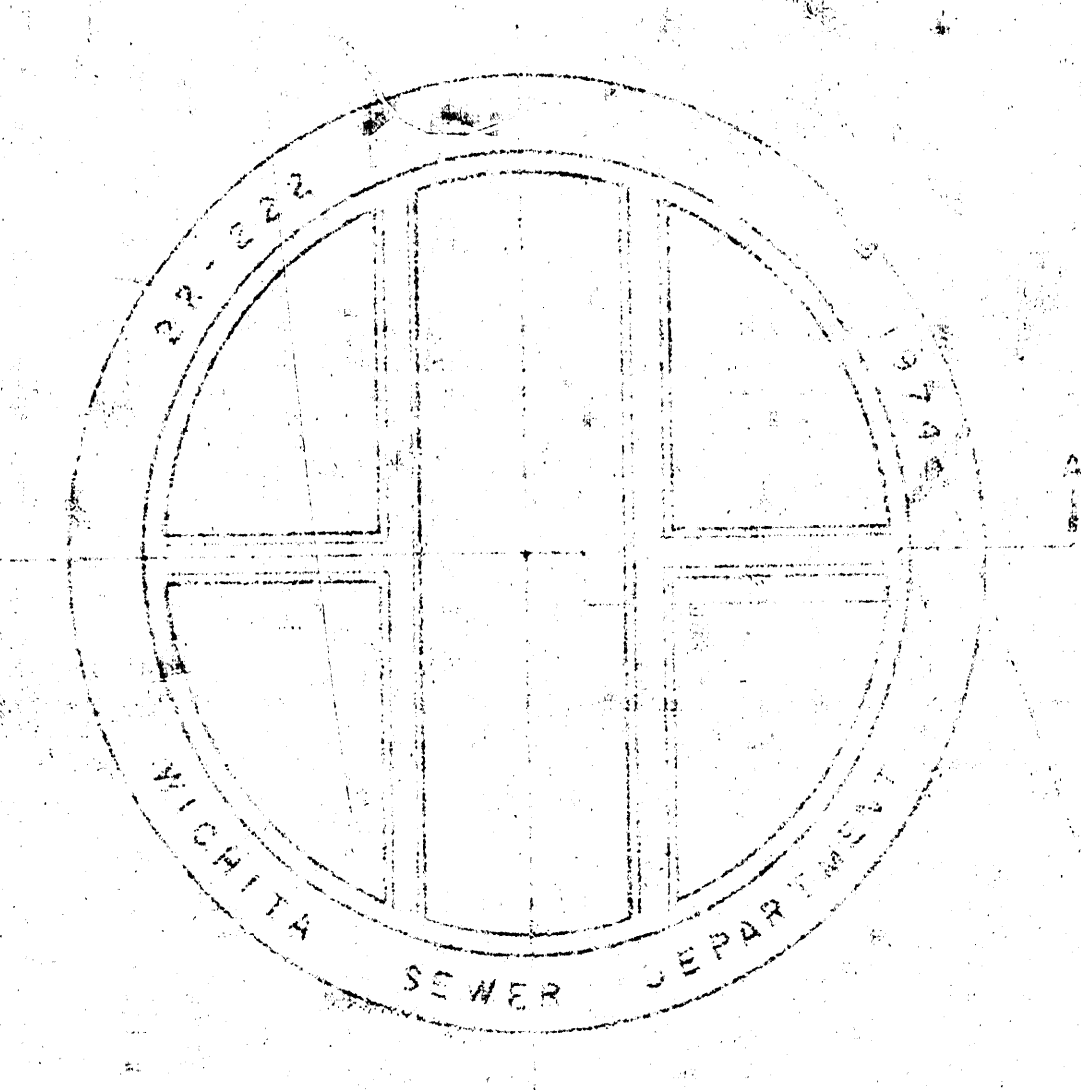


OUTSIDE DROP MANHOLE
TYPE "B"

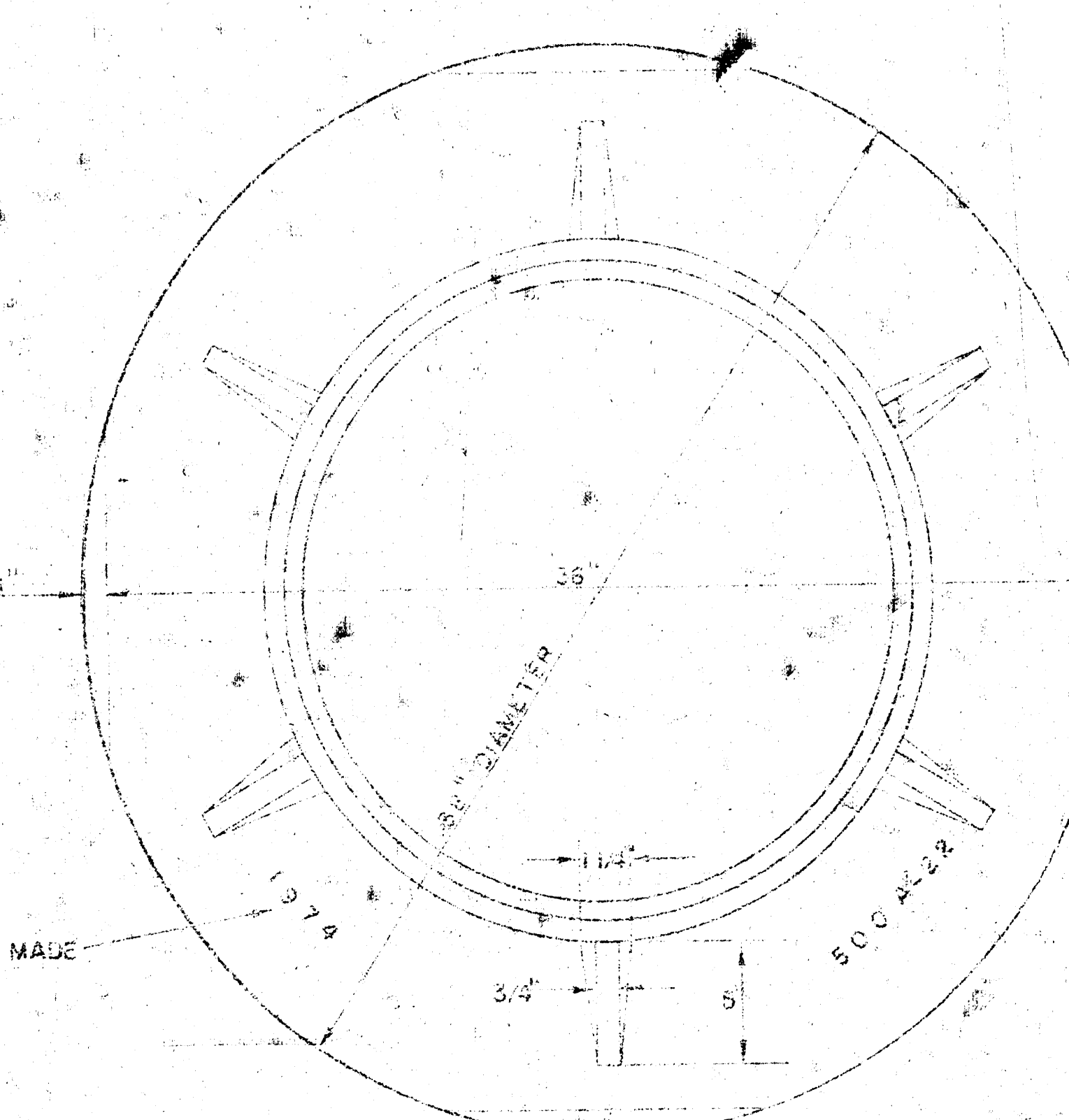
DRAW = 6" ON 5" DIA. M.H.



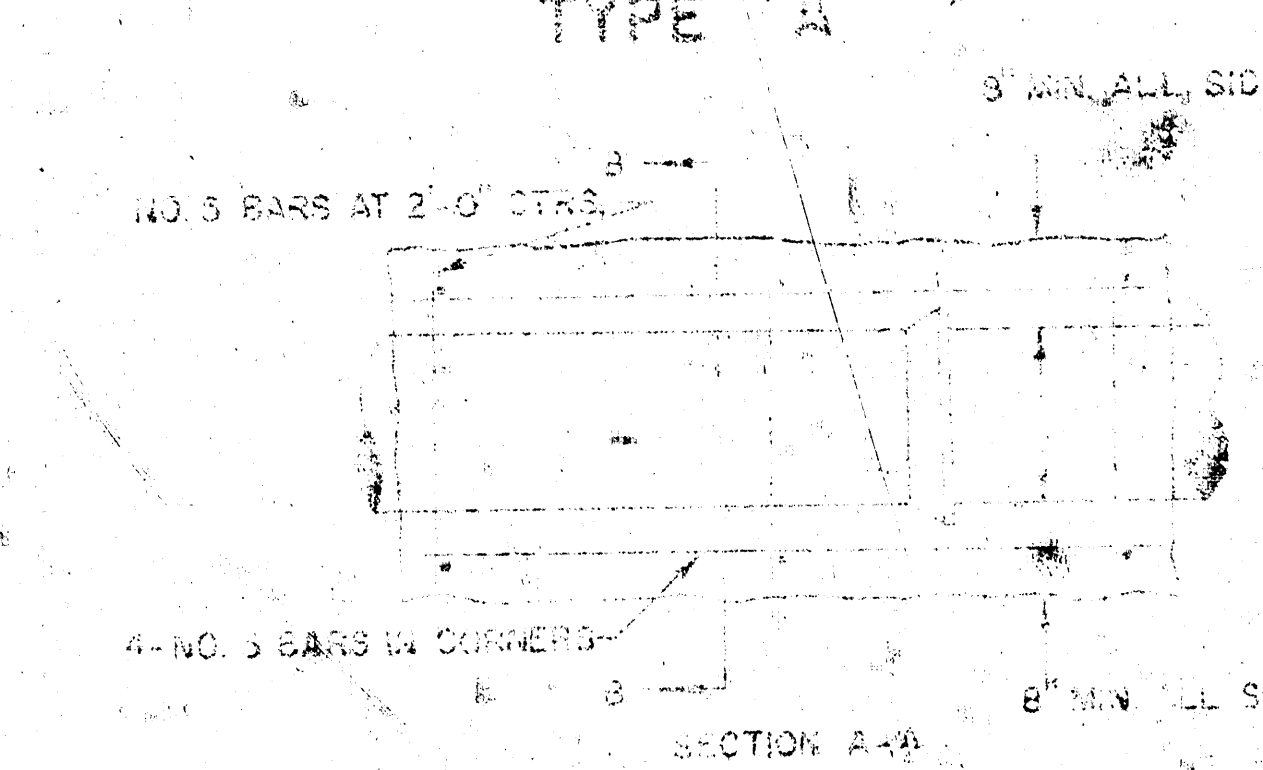
DETAIL OF DROP STACK
FOR EXISTING MANHOLES IN GROUND WATER



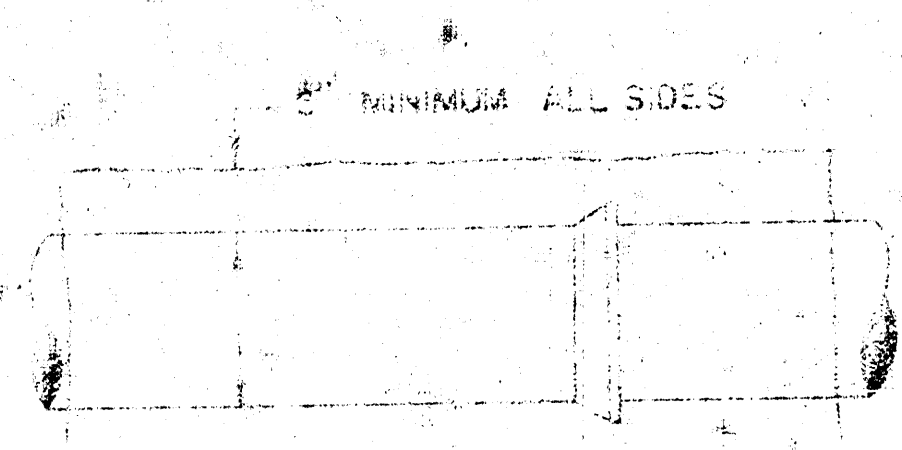
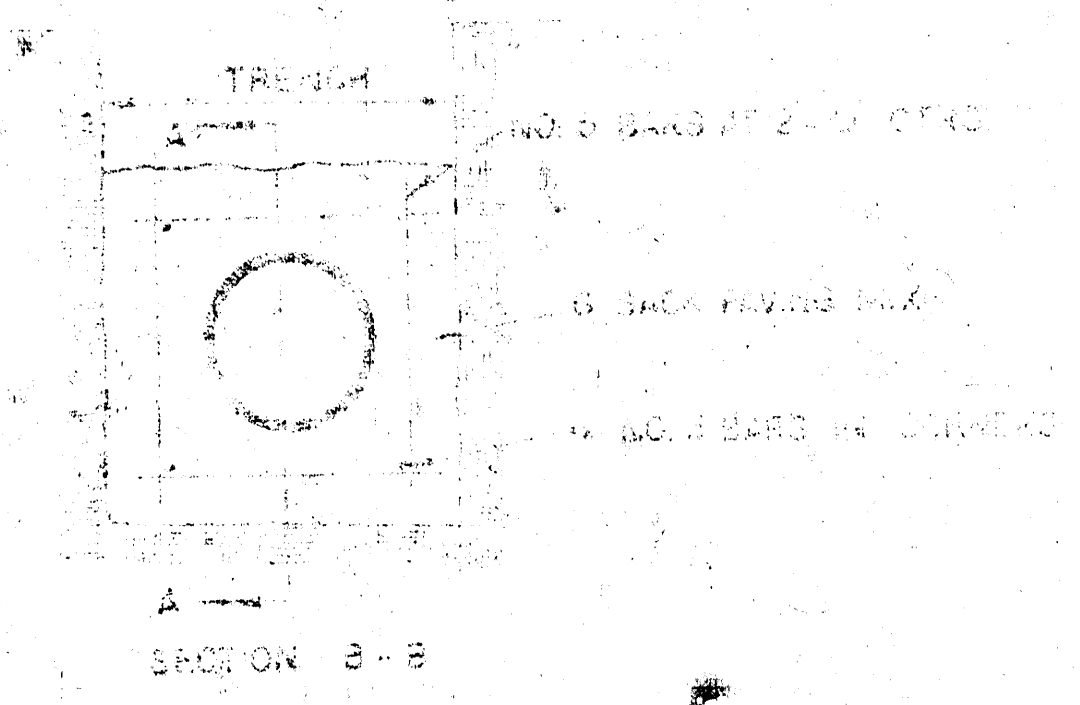
MANHOLE COVER
WEIGHT 10 LBS.



MANHOLE RING
WEIGHT 325 LBS. RING NO. 500A



REINFORCED CONCRETE ENCASEMENT
FOR STRENGTH



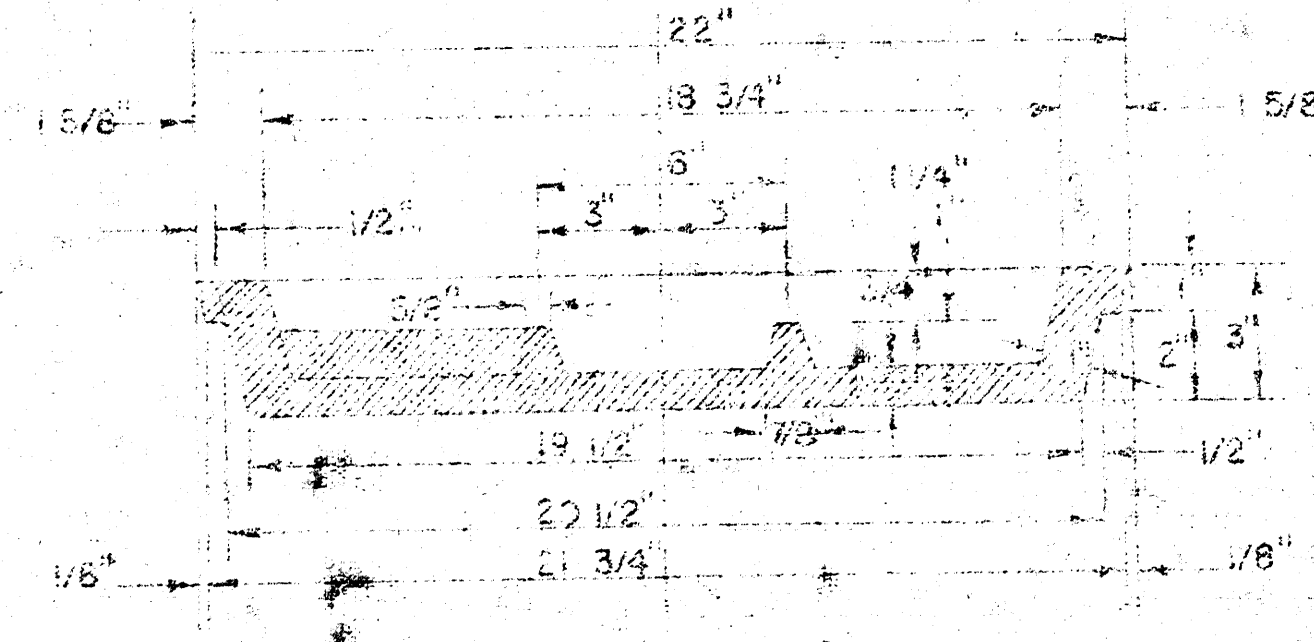
CONCRETE ENCASEMENT
FOR COVER



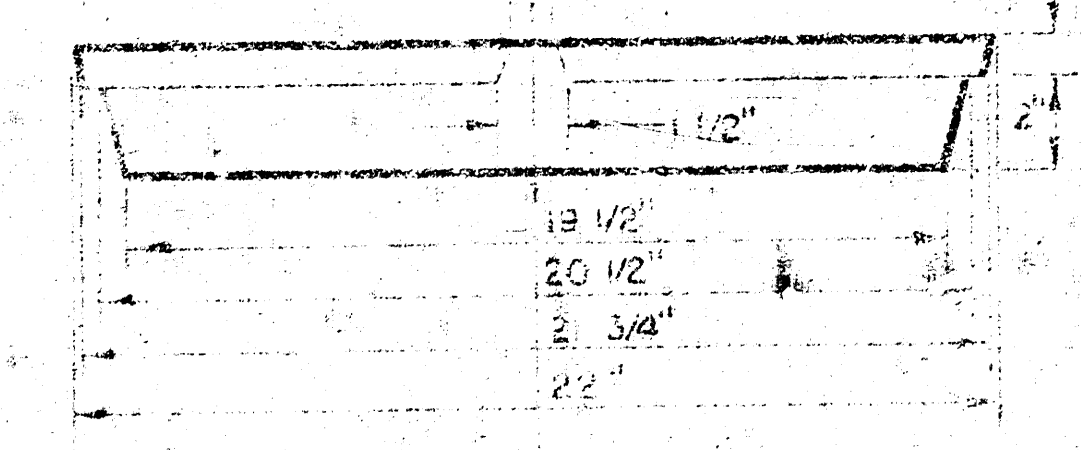
ORDINARY BEDDING METHOD
FOR CLAY PIPE

GENERAL NOTES

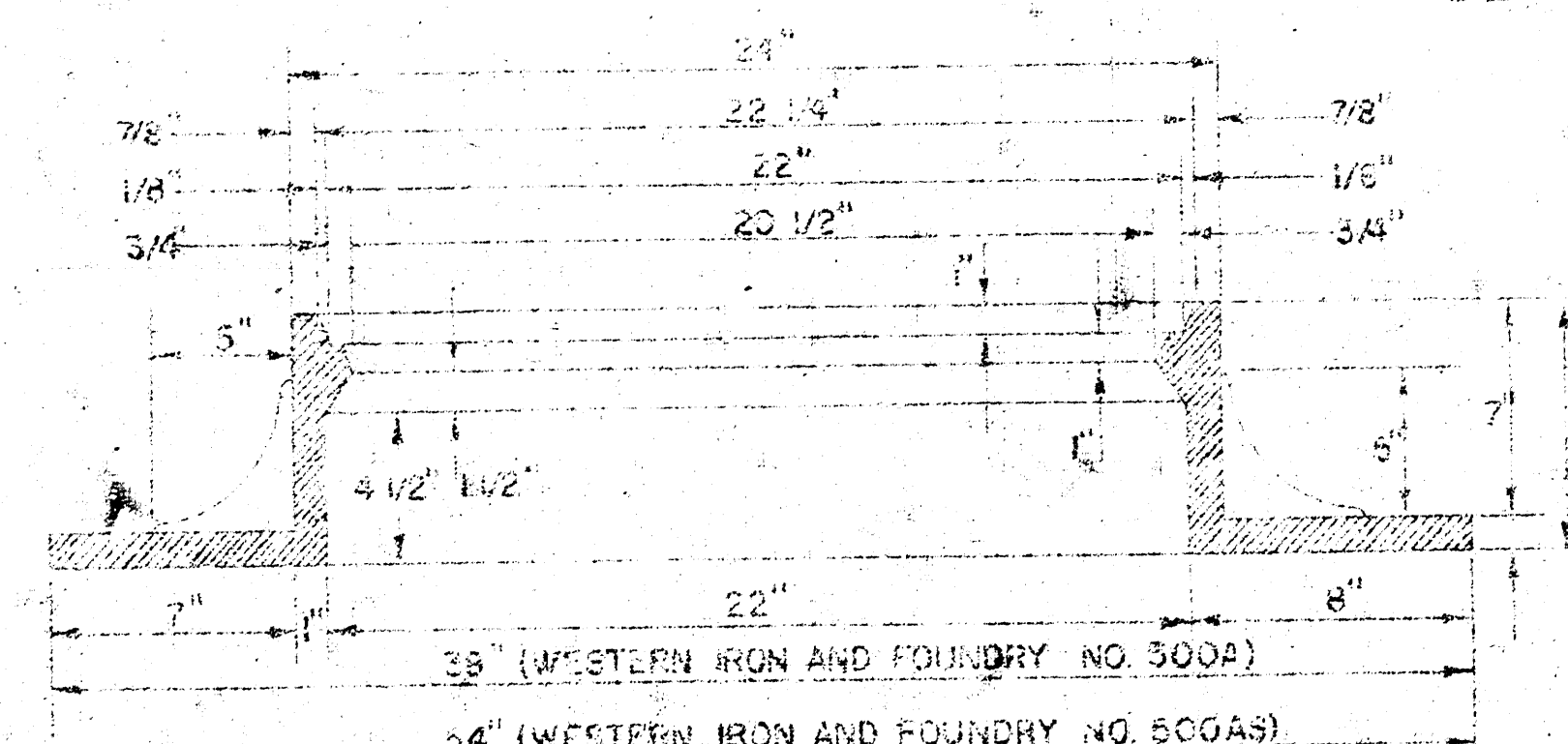
- MORTAR USED IN MASONRY CONSTRUCTION SHALL CONTAIN 3 BAGS OF CEMENT PER CUBIC YARD.
- STANDARD MANHOLES TYPE "A" OR TYPE "B" AND STANDARD DROP MANHOLES TYPE "A" OR TYPE "B" SHALL BE BID AS STANDARD MANHOLES FOR THE TYPE AND DIAMETER INDICATED.
- OUTSIDE DROP MANHOLES SHALL BE BID AS STANDARD OUTSIDE DROP MANHOLES FOR THE TYPE AND DIAMETER INDICATED. ALL MANHOLE DIAMETERS WILL BE 4' UNLESS INDICATED OTHERWISE. MANHOLES WITH PIPE 3" LARGER THAN 24" SHALL BE 6' DIAMETER.
- THE FLOORS OF ALL MANHOLES SHALL BE SHAPED TO INCREASE HYDRAULIC EFFICIENCY USING A DARK SAND MIX (CONCRETE).



MANHOLE COVER



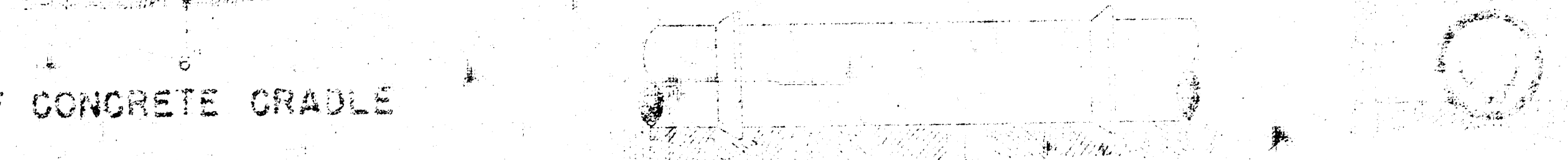
MANHOLE COVER



MANHOLE RING

OUTSIDE CIRCUMFERENCE OF COVER AND THE INNER 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