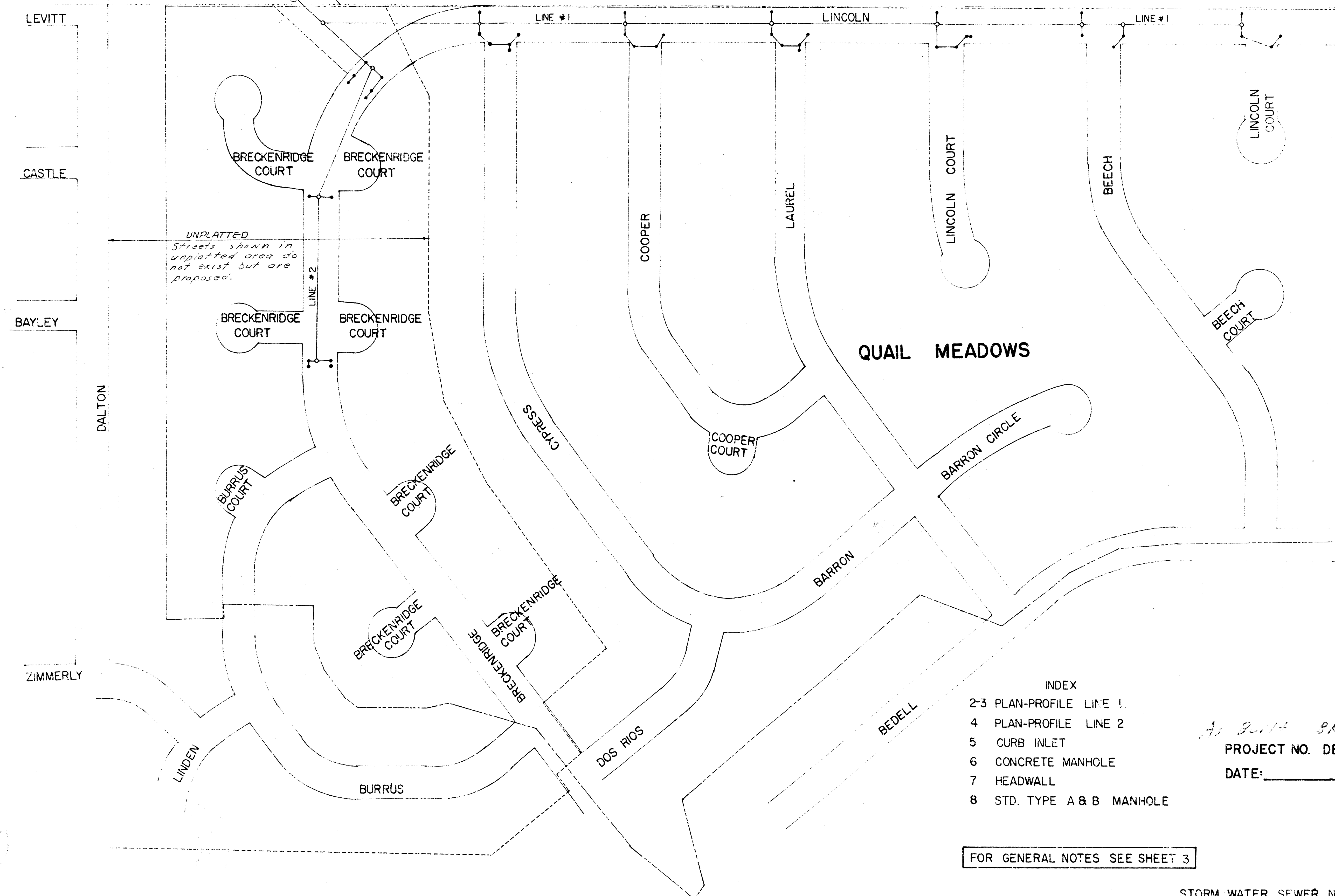


STORM WATER SEWER NO. 108

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

PROJECT NO. DBKA574016
DATE: _____

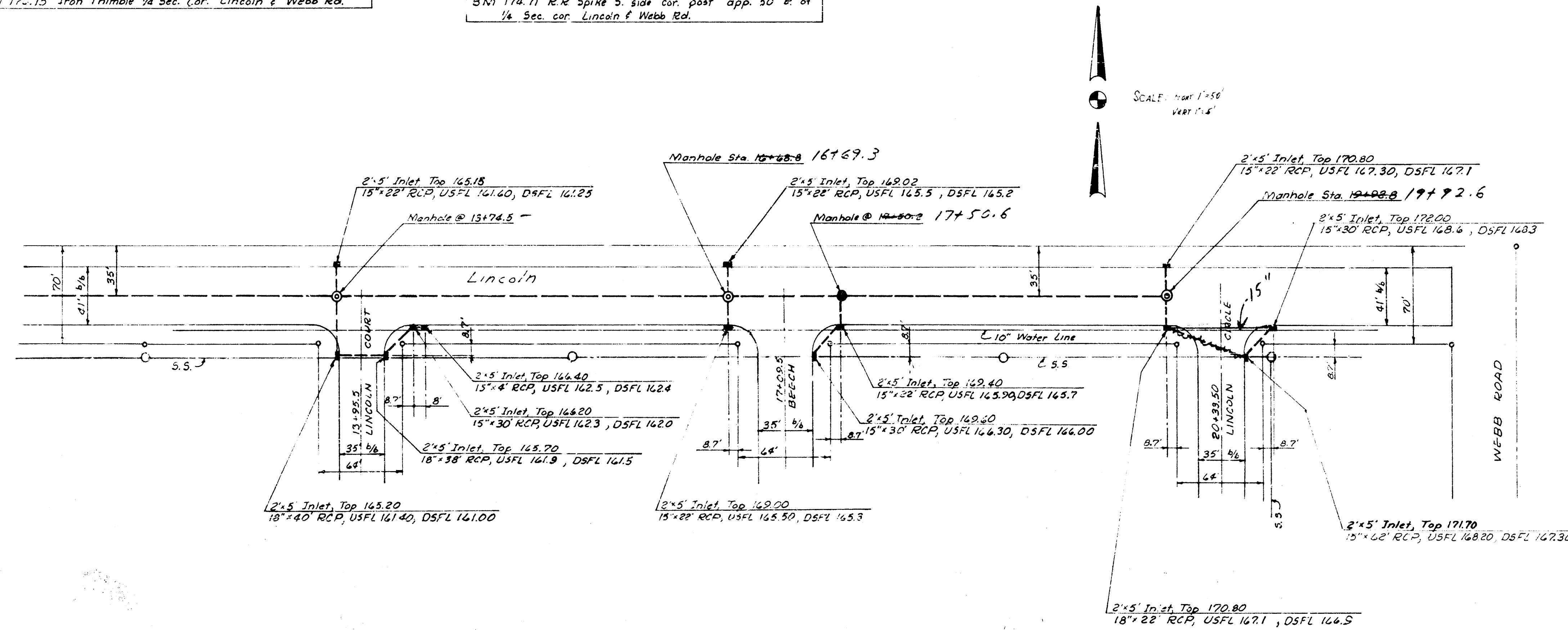
FOR GENERAL NOTES SEE SHEET 3

STORM WATER SEWER NO. 108

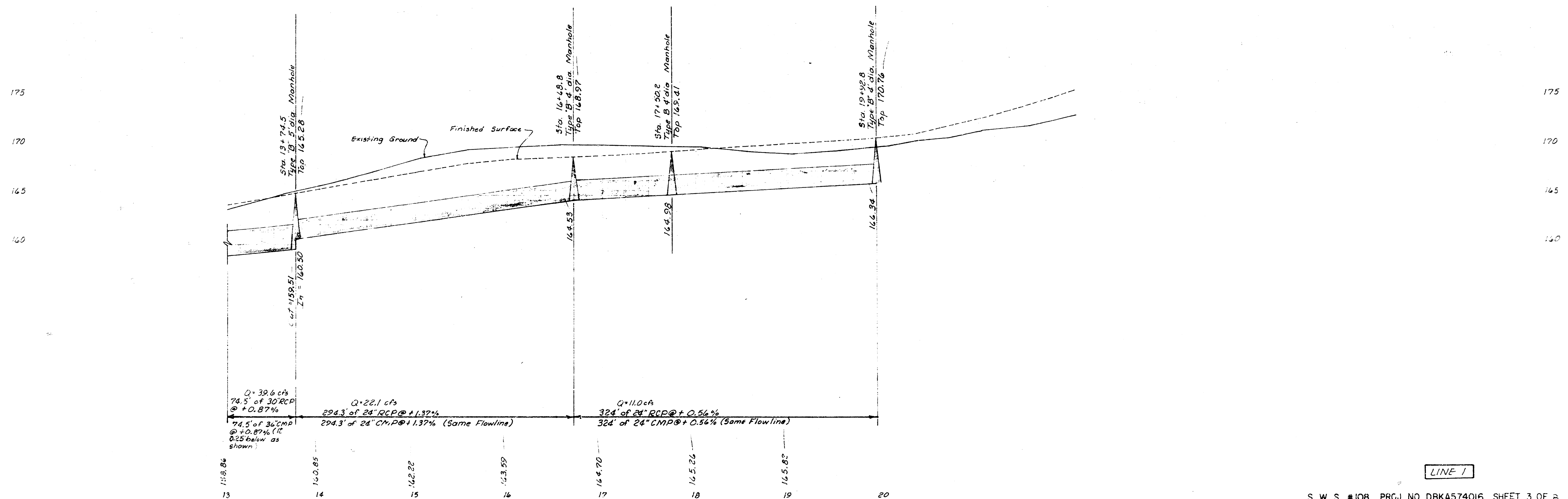
1 OF 8

BM 154.40 RR Sph Top 3" guard pole E. side Webb Rd. app.
100' N. of N.J. Bedell W.
BM 17.15 Iron Thimble 1/4 Sec. Cor. Lincoln & Webb Rd.

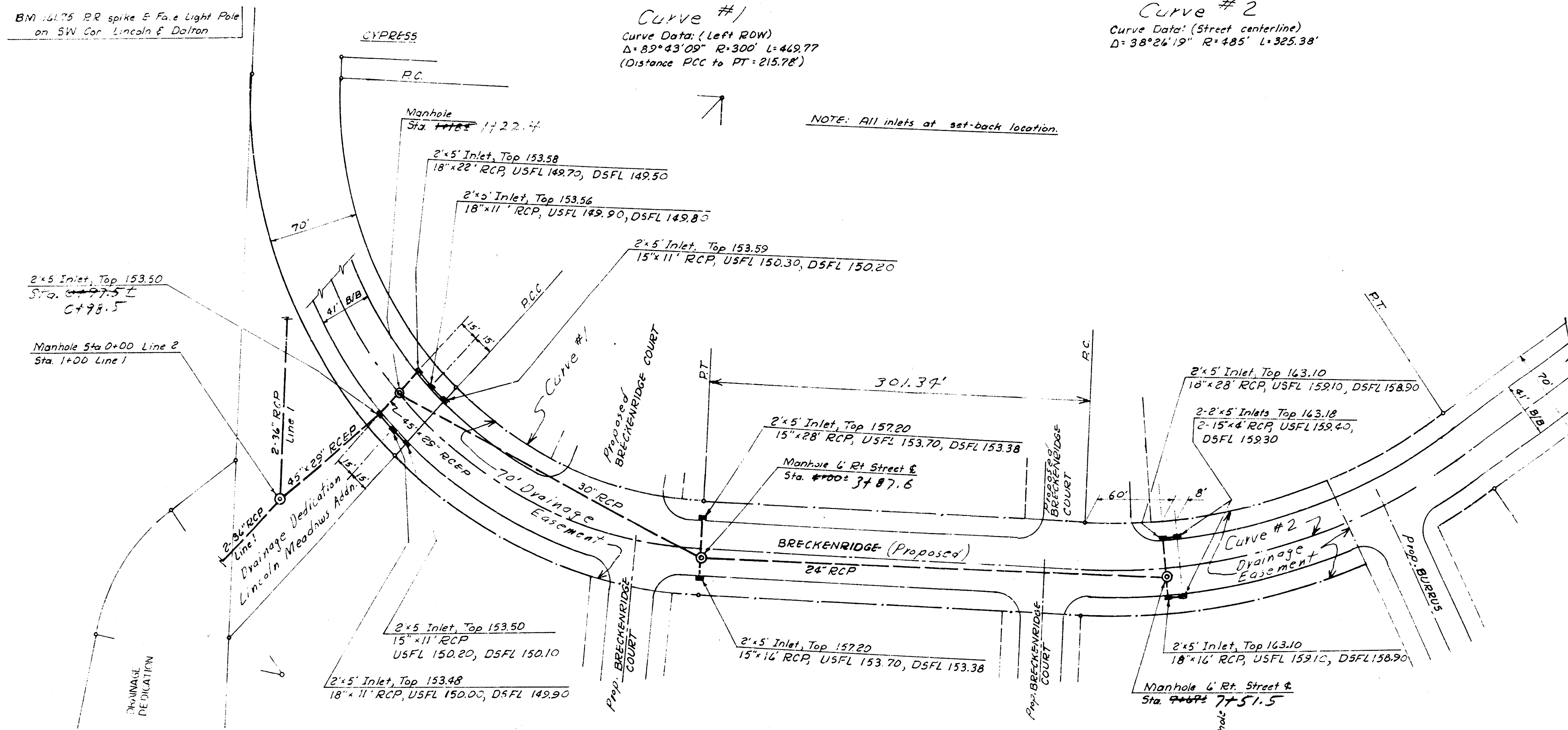
BM 172.03 Webb Rd. & Harry Cofw B.M. Disc 48' So.
f. 44' W. of E. bath.
BM 174.71 RR Spike 3. side cor. post app. 50' E. of
1/4 Sec. cor. Lincoln & Webb Rd.



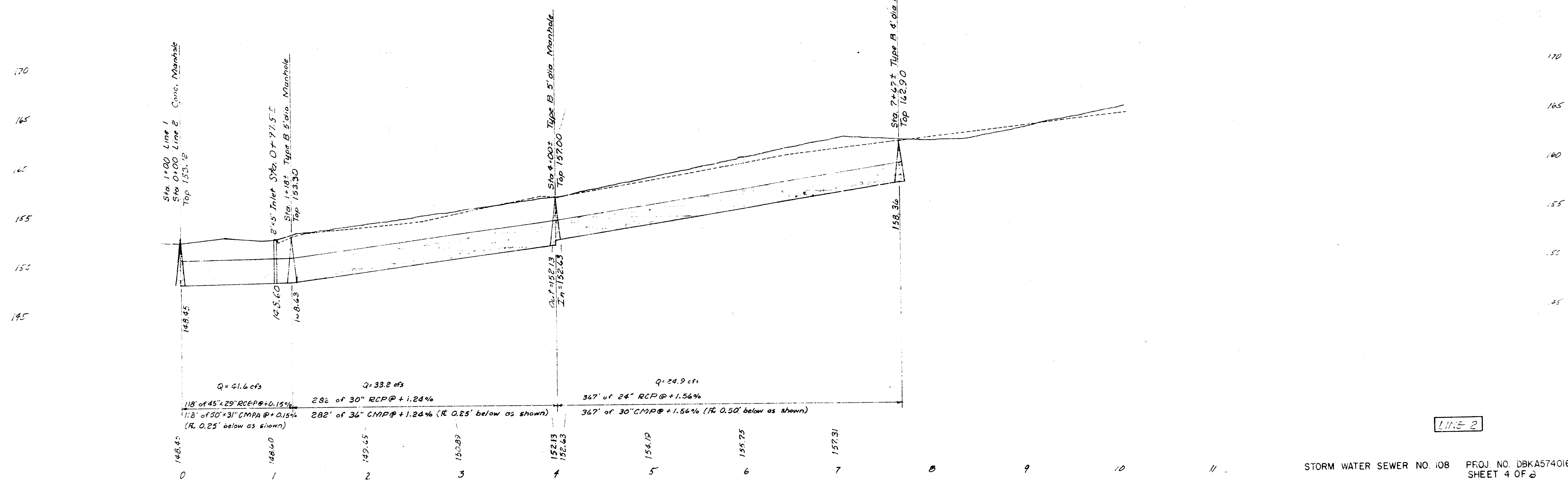
NOTE: All inlets at set-back location



LINE 1

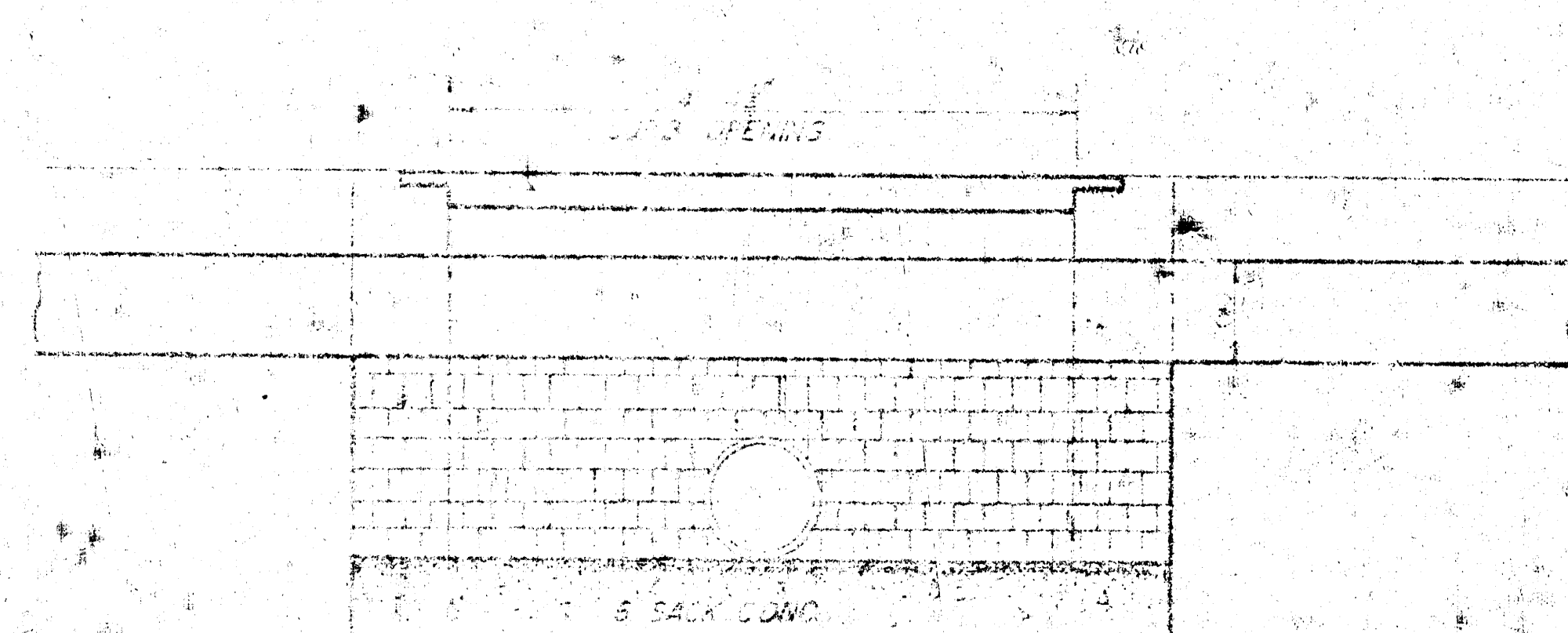


SCALE HORT 1"=50'
VERT 1"=5'

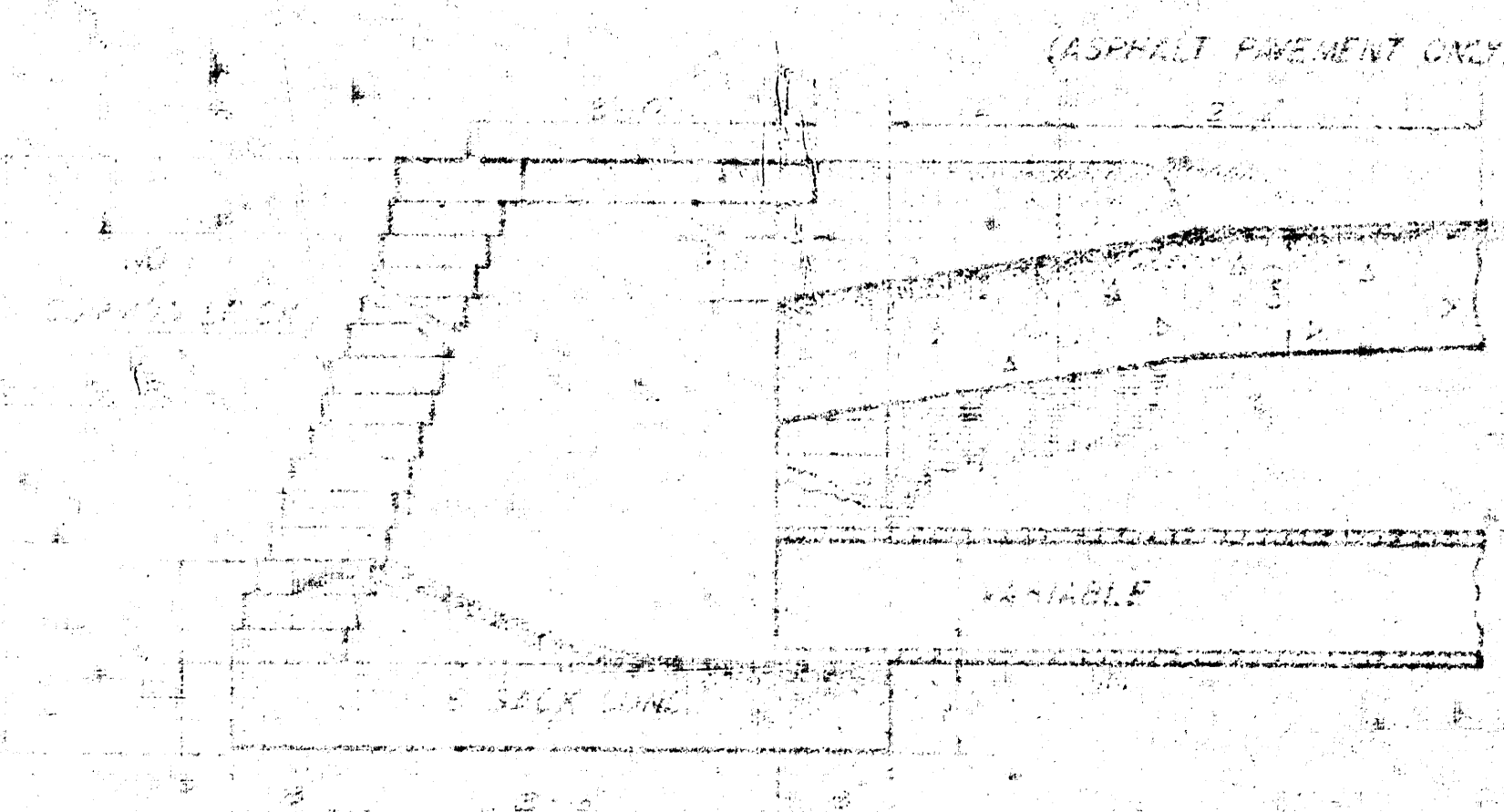


LINE 2

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



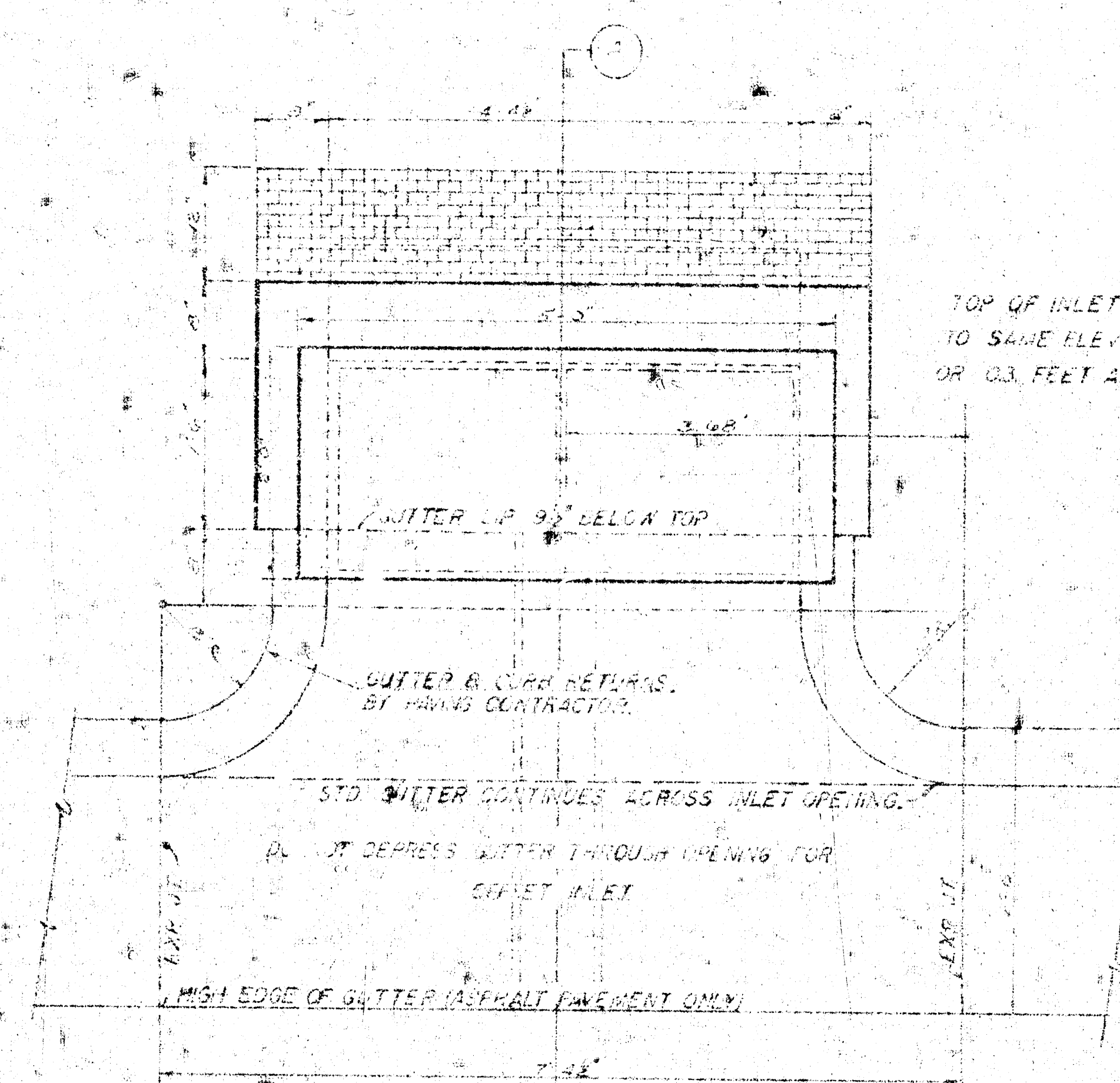
ELEVATION



SECTION THRU INLET
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.

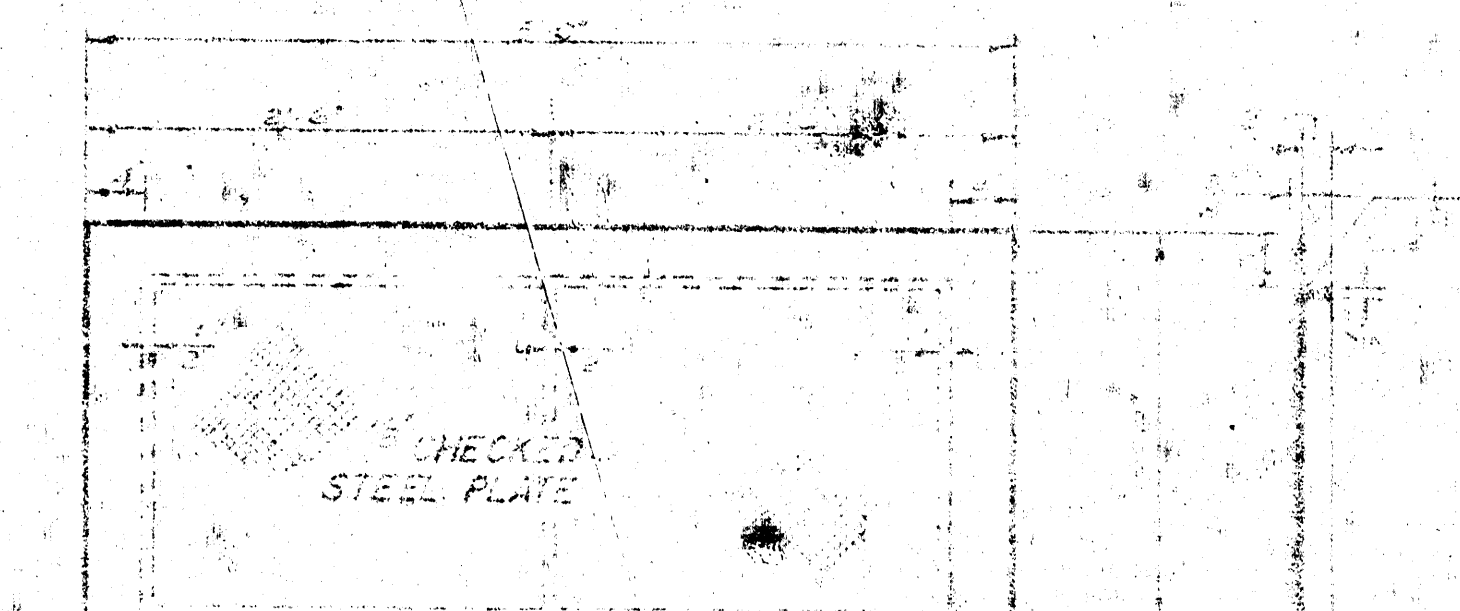
(R) CURB & GUTTER OR PAVEMENT THICKNESS



PLAN

TOP OF INLET TO BE CONSTRUCTED
TO SAME ELEVATION AS STANDARD CURB
OR 0.3 FEET ABOVE ROLL CURB

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



PLAN

SECTION

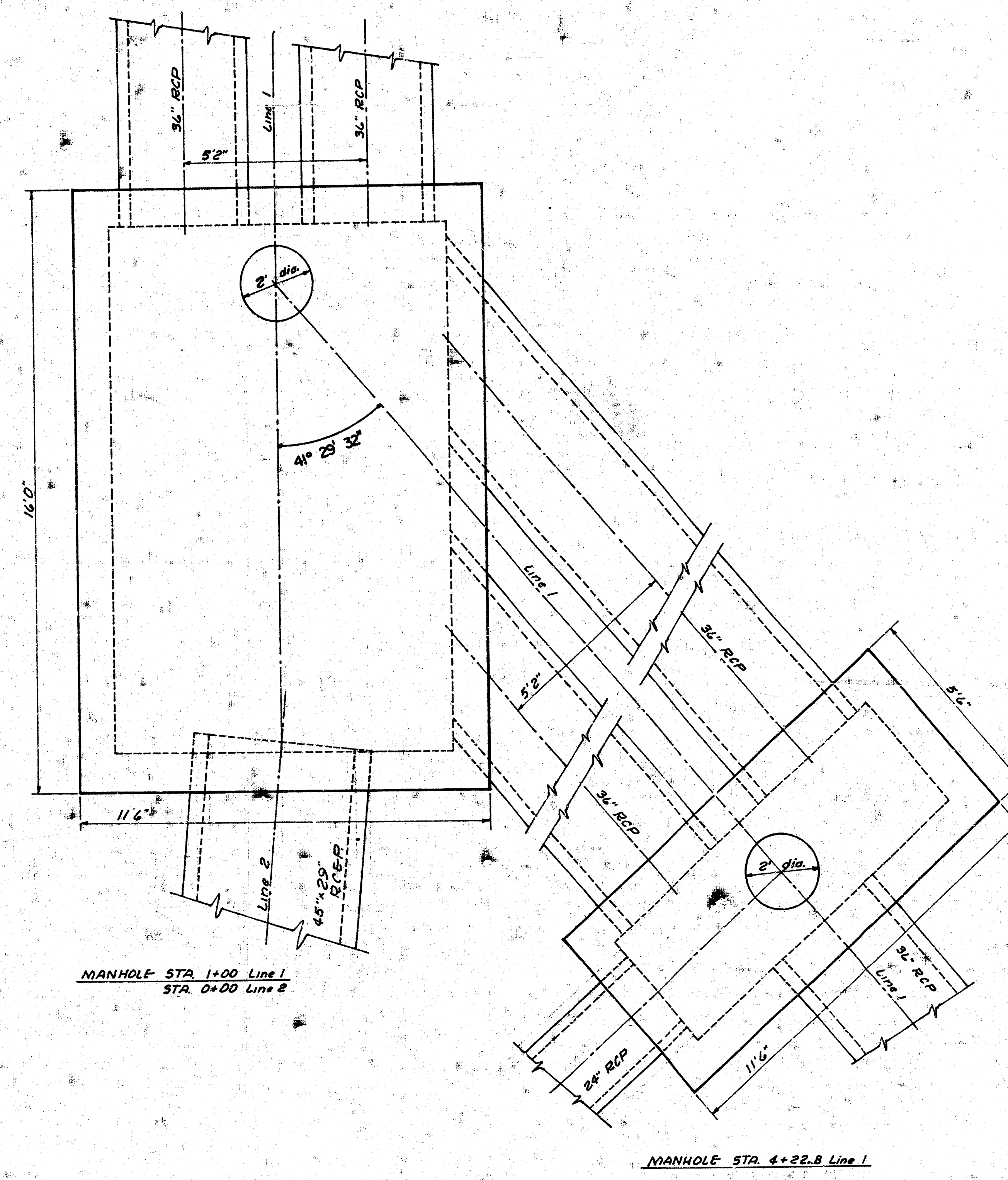
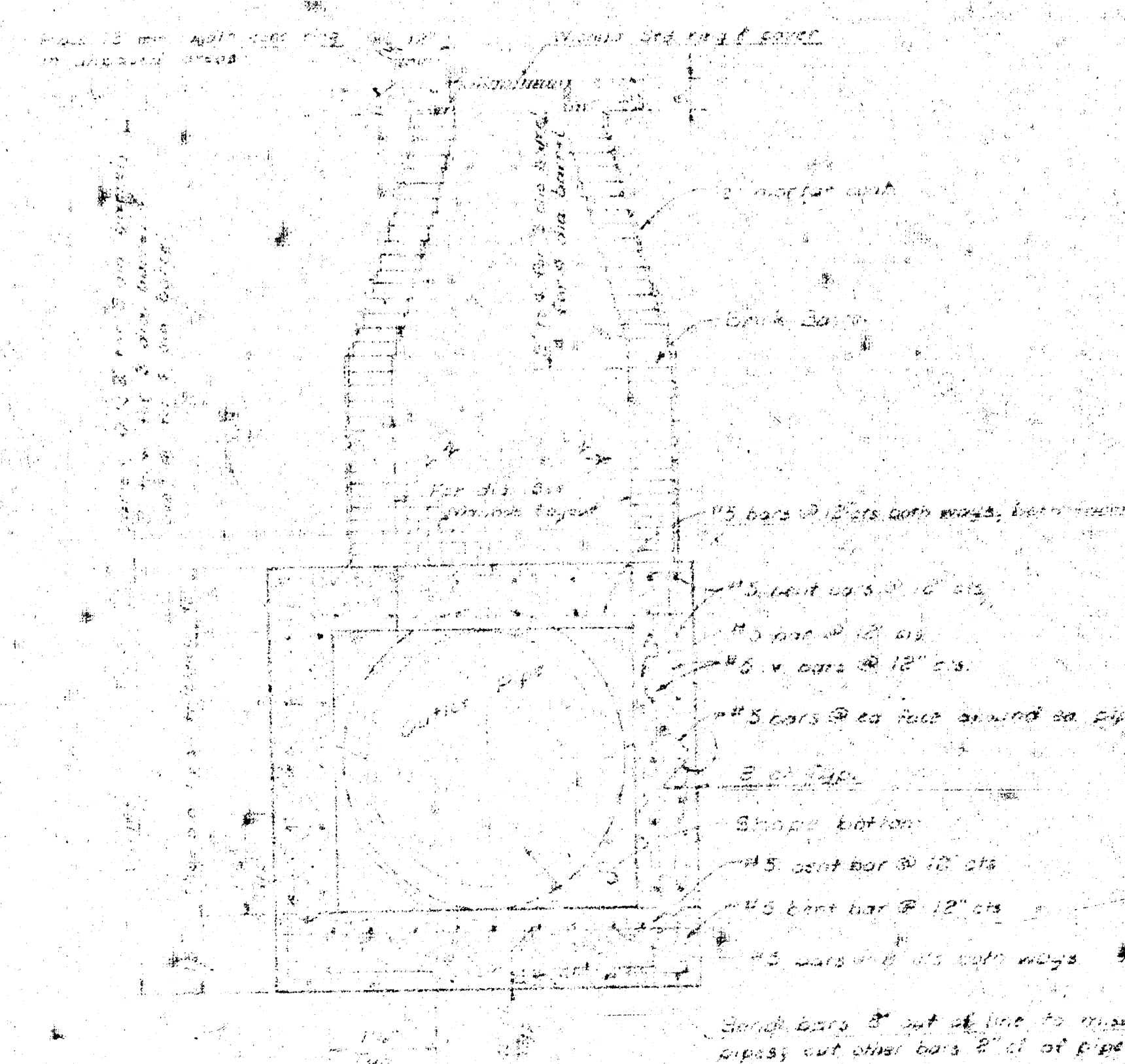
ELEVATION

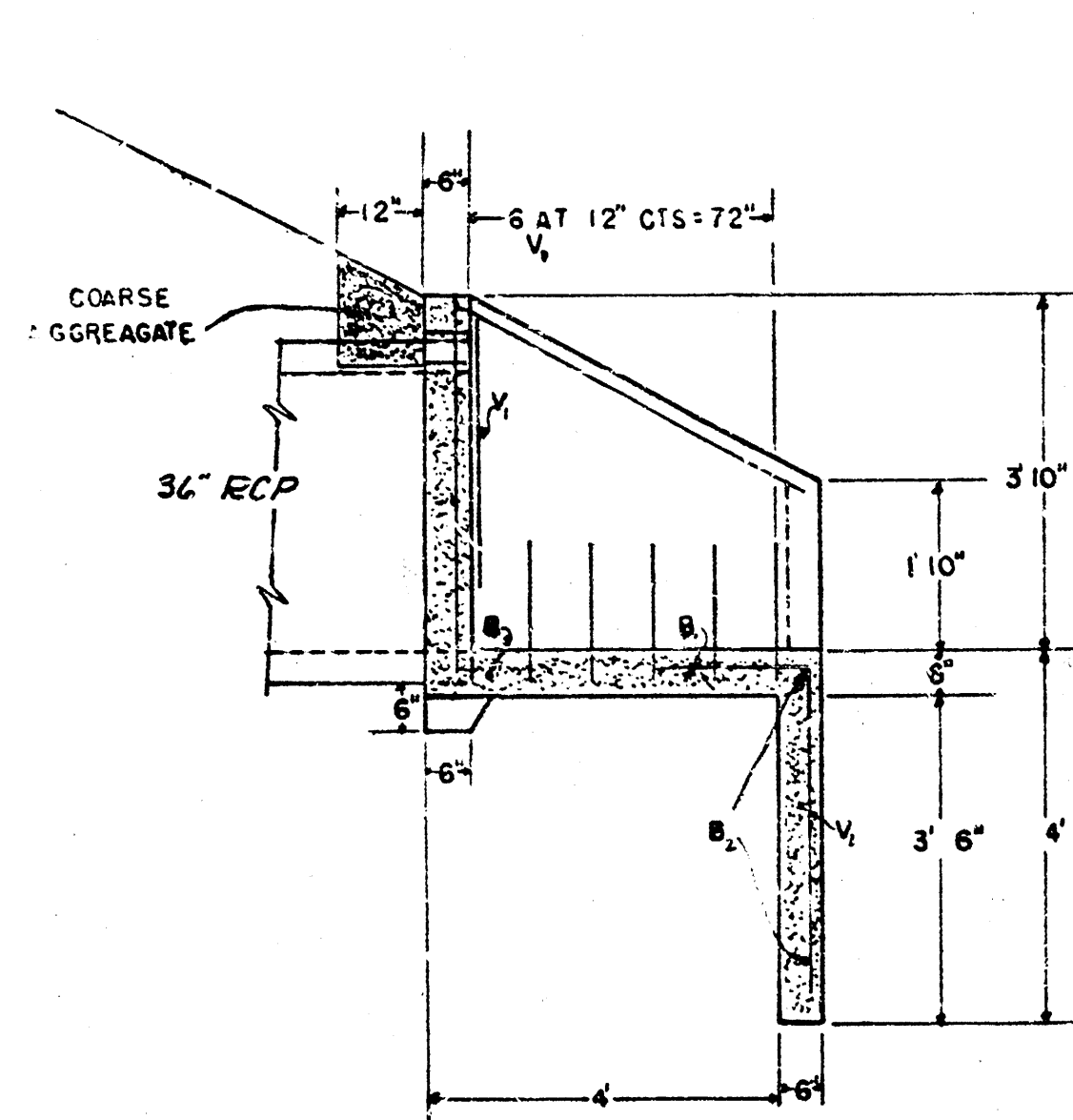
CITY OF WICHITA
STANDARD 24" INLET
WEIGHT 200 LBS
DEPT. 10" (MIN) 12" (MAX)
SCALE: 1/4" = 1'-0"

DETAIL
STANDARD 24" INLET
(SET BACK LOCATION)

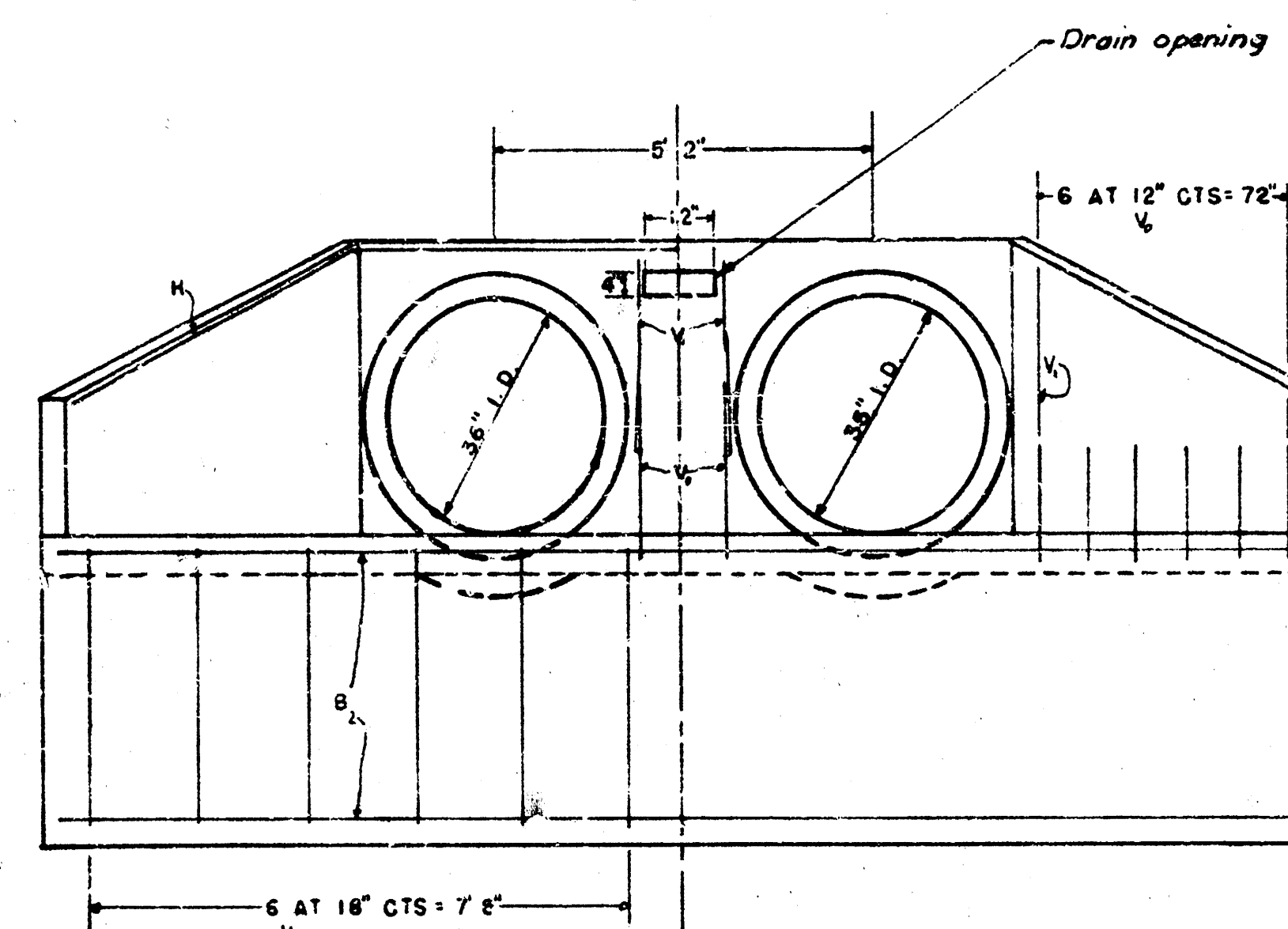
CITY OF WICHITA, KANSAS
R. W. LINN, CITY ENGINEER

JUNE 1974

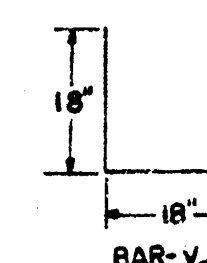




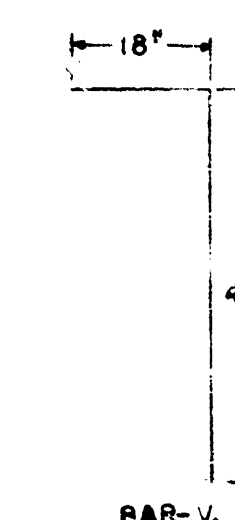
SECTION A-A



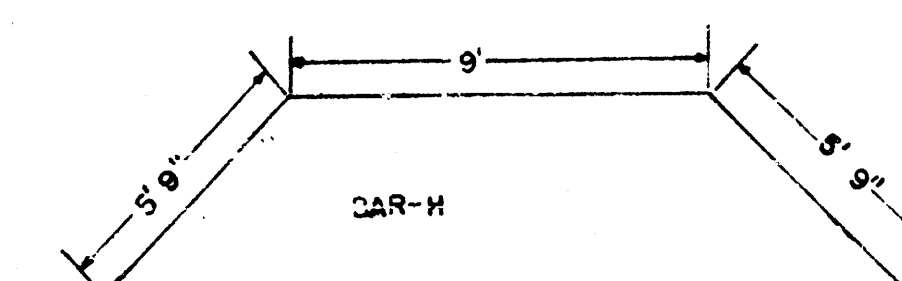
END ELEVATION



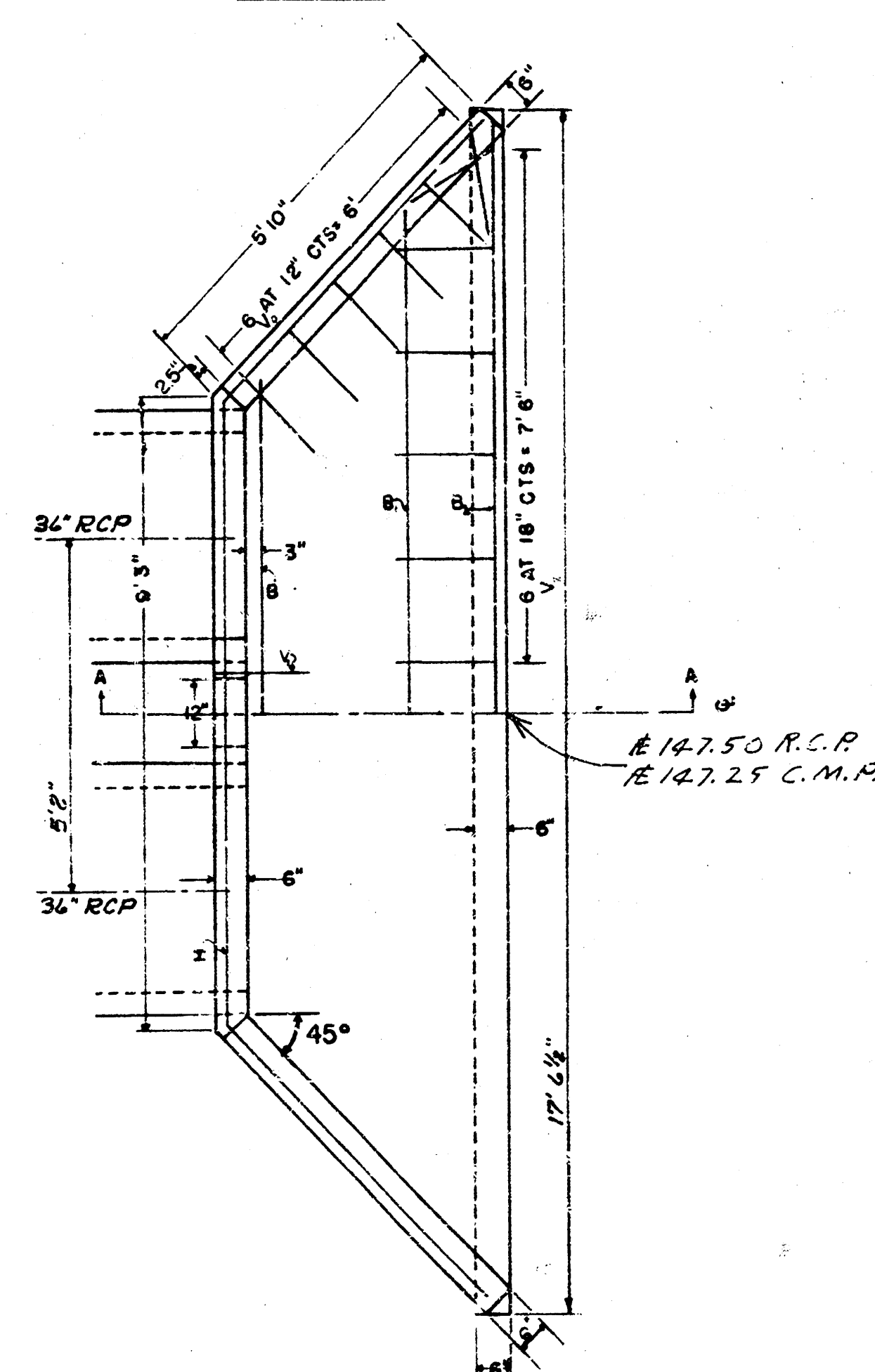
BAR-V



BAR-V



BAR-H

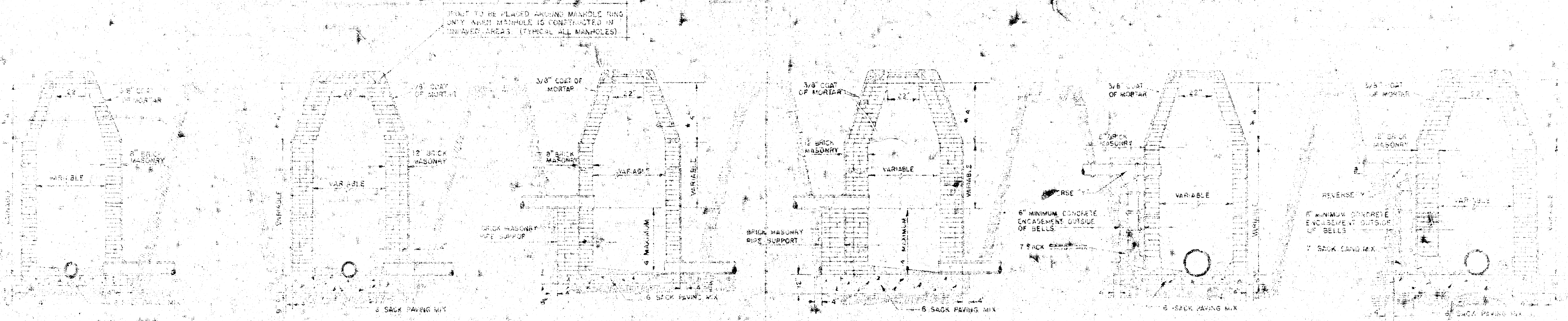


PLAN
Scale: 1/8"=1'-0"

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

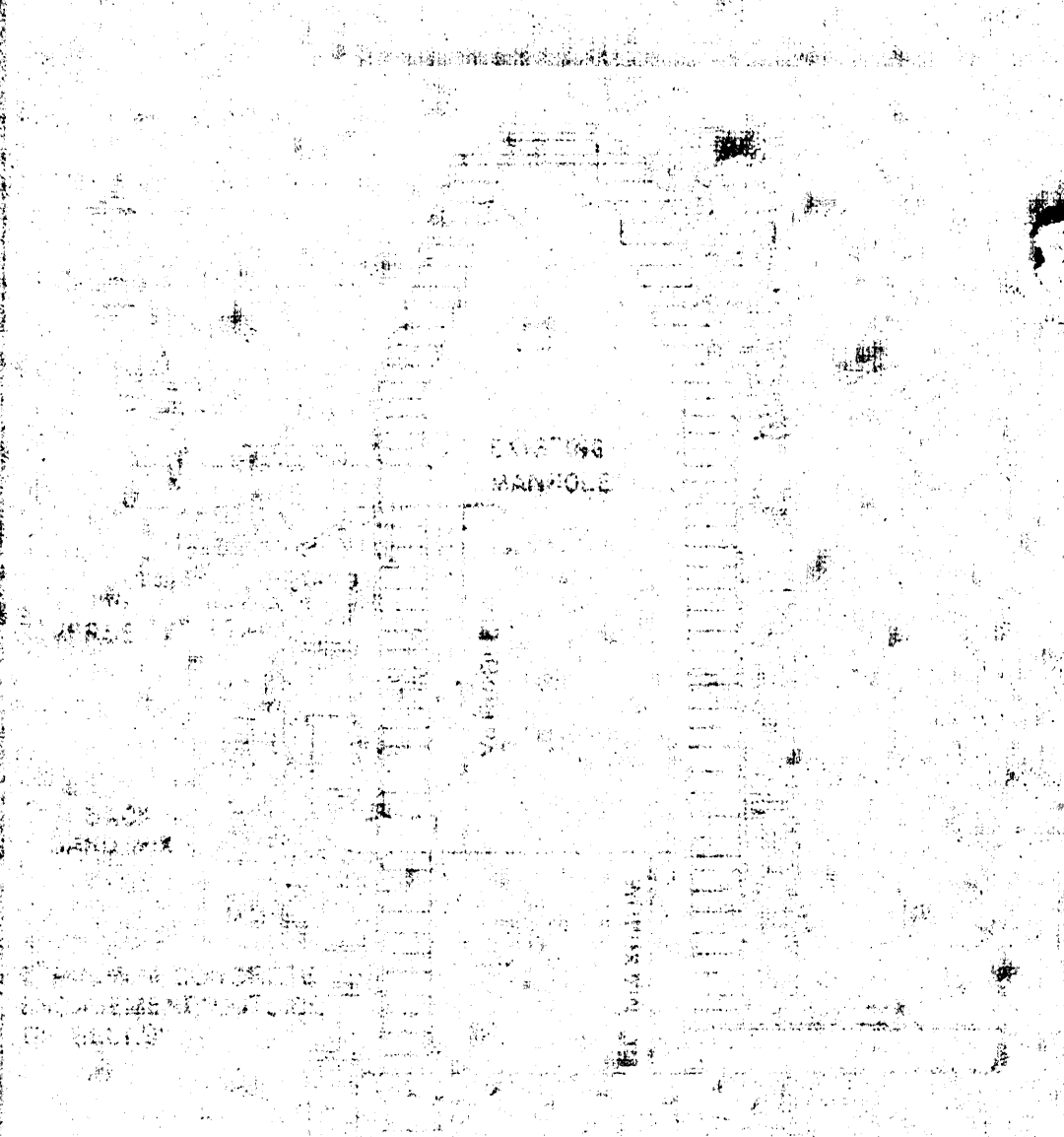
1. ALL REINFORCING STEEL SHALL BE #4 DEFORMED BAR.
2. ALL REINFORCING STEEL SHALL BE COVERED BY AT LEAST 2" OF CONCRETE.
3. IF SPLICING IS USED A LAP OF 20 DIAMETERS WILL BE USED, AT CONTRACTOR'S EXPENSE.
4. ALL CONCRETE WILL BE STANDARD PAVING MIX.
5. EMBANKMENT SLOPE ABOVE HEADWALL SHALL BE 2:1 OR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

QUANTITIES				
NO. OF	MATERIAL	LENGTH /	TOTAL	
ITEM		ITEM	LENGTH	
3.5	CONCRETE	CU YDS	35.0	CU YDS
	REIN. STEEL	LIN. FT.		LIN. FT.
1	H-BAR	20"	205	
1	B-BAR	9.75	9.75	
1	B-BAR	14.5	14.5	
2	B-BAR	17.0	34.0	
14	V-BAR	3.0	42.0	
4	V-BAR	3.5	14.0	
12	V-BAR	5.0	60.0	
	TOTAL		195.0	
		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"

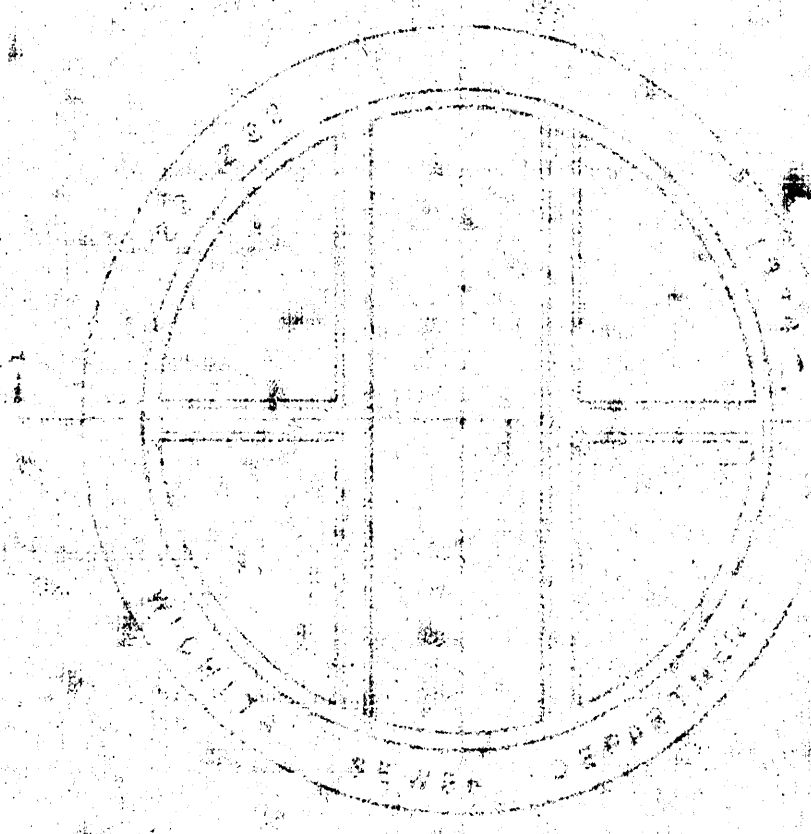
DRAWING ON 5' DIA. M.H.



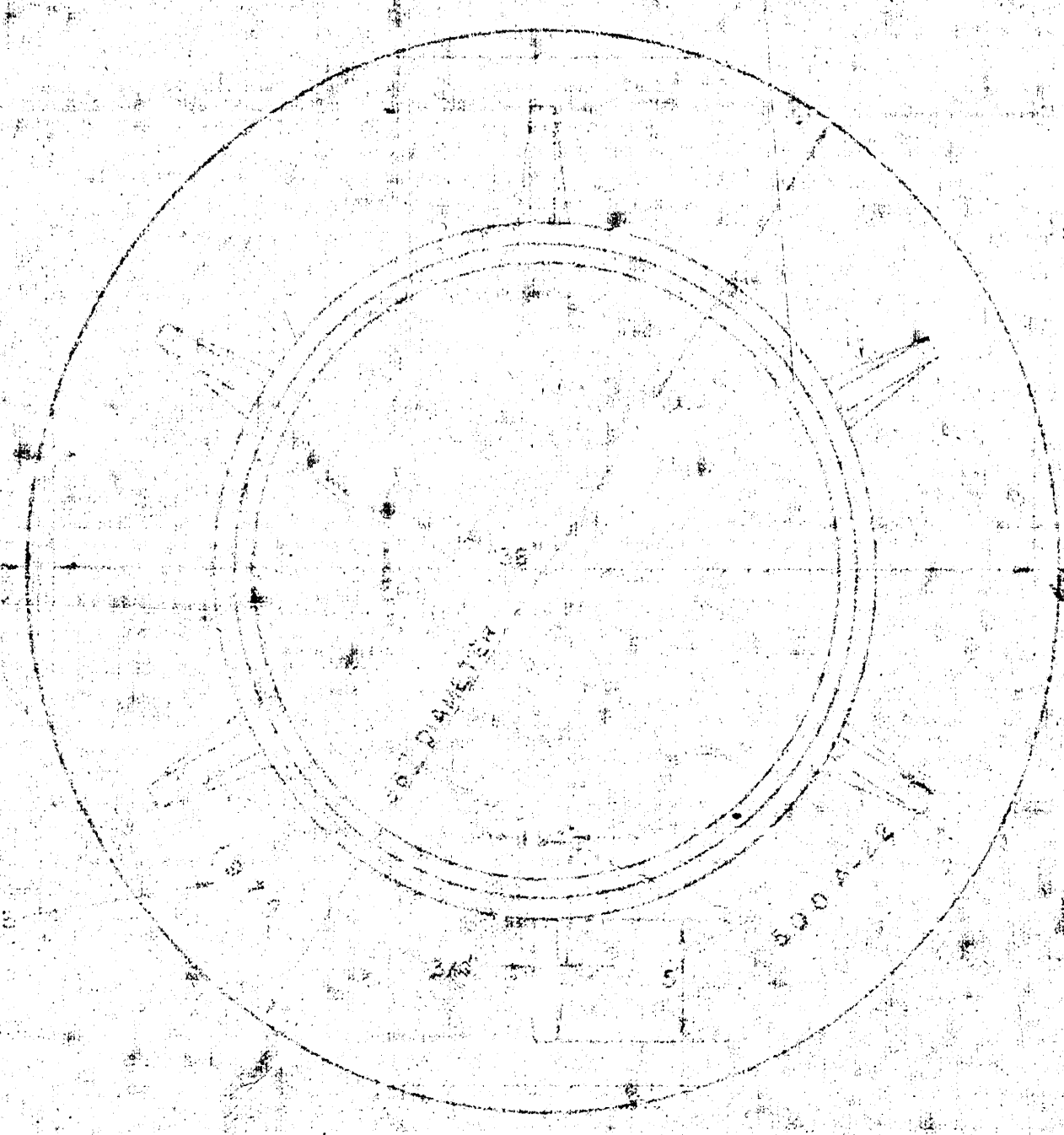
DETAIL OF DROP STACK

GENERAL NOTES

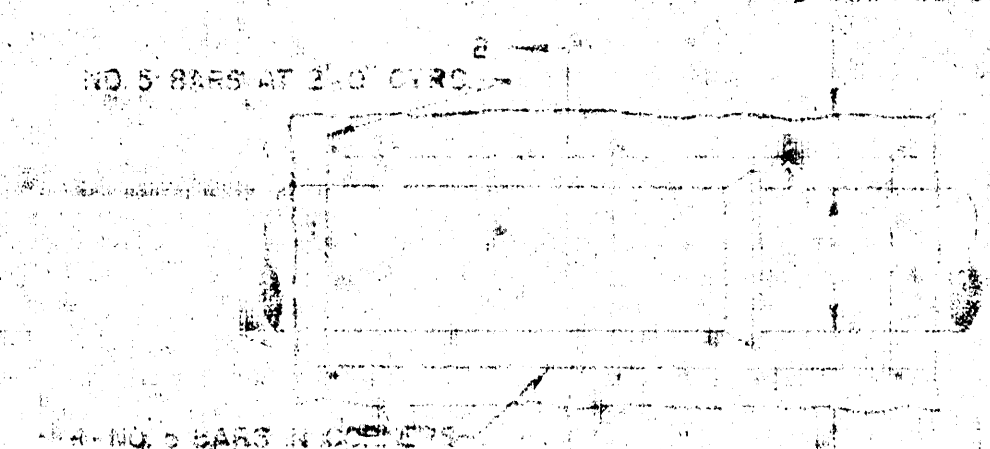
1. ALL MANHOLES SHALL BE CONSTRUCTED OF BRICK OR CONCRETE. THE WALLS SHALL BE 12" THICK. THE JOINTS SHALL BE MORTARED. THE MANHOLE SHALL BE SET IN A 6" BED OF SAND. THE MANHOLE SHALL BE SET IN A 6" BED OF SAND. THE MANHOLE SHALL BE SET IN A 6" BED OF SAND.



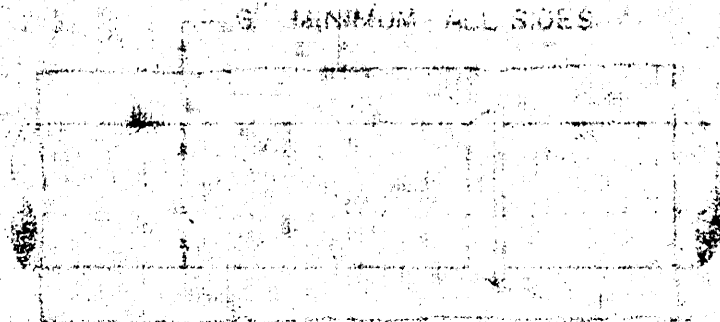
MANHOLE COVER



MANHOLE RING

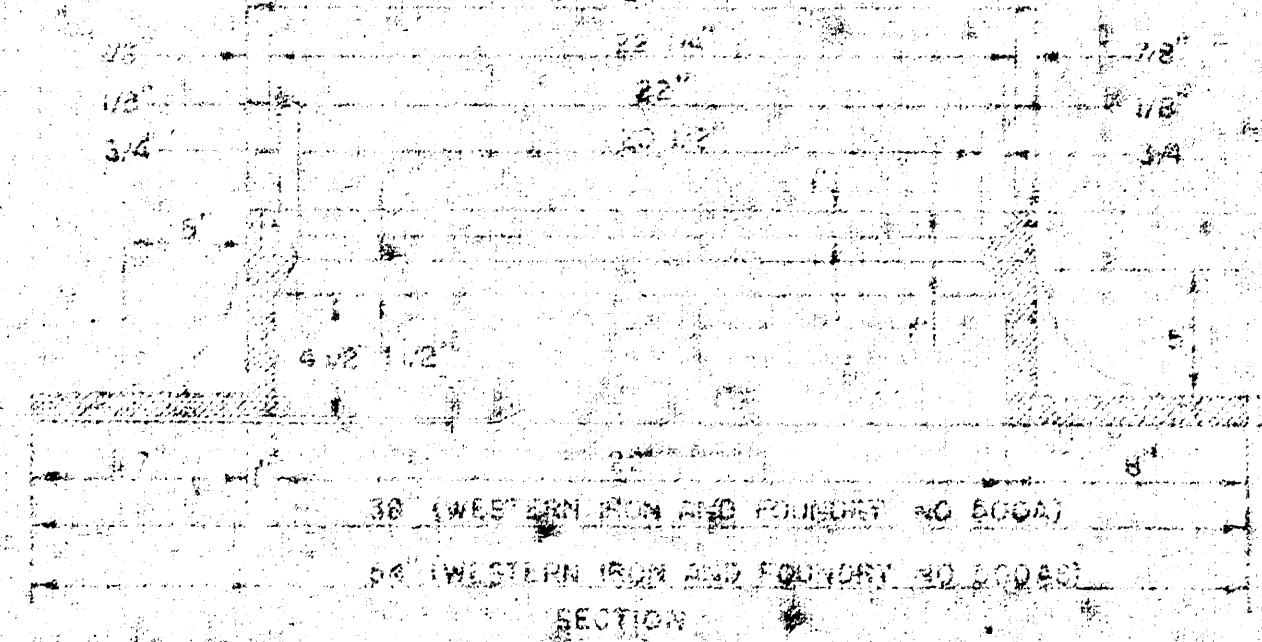


REINFORCED CONCRETE ENCLOSURE

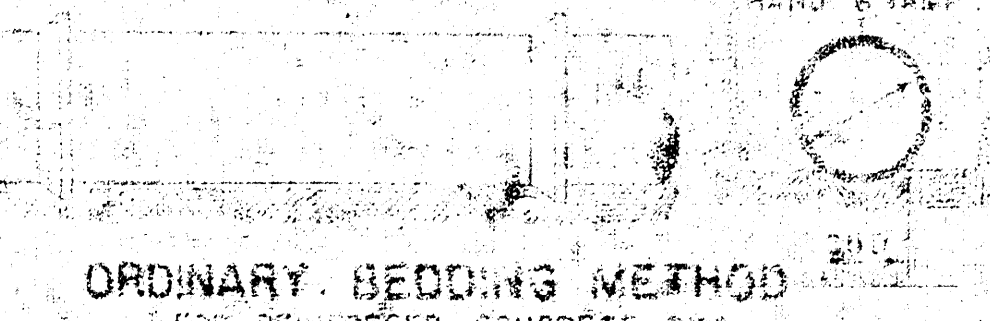


CONCRETE ENCLOSURE

DETAIL OF CONCRETE CRADLE



MANHOLE RING



ORDINARY BEDDING METHOD

ORDINARY BEDDING METHOD

SEWER APPURTENANCES

ADOPTED AS STANDARD DESIGN

BY

ENGINEERING DIVISION

CITY OF WICHITA, KANSAS

W. W. LINN CITY ENGINEER

S. W. S. #108 (PROJ. NO. DKA57401) SHEET 8 OF 8