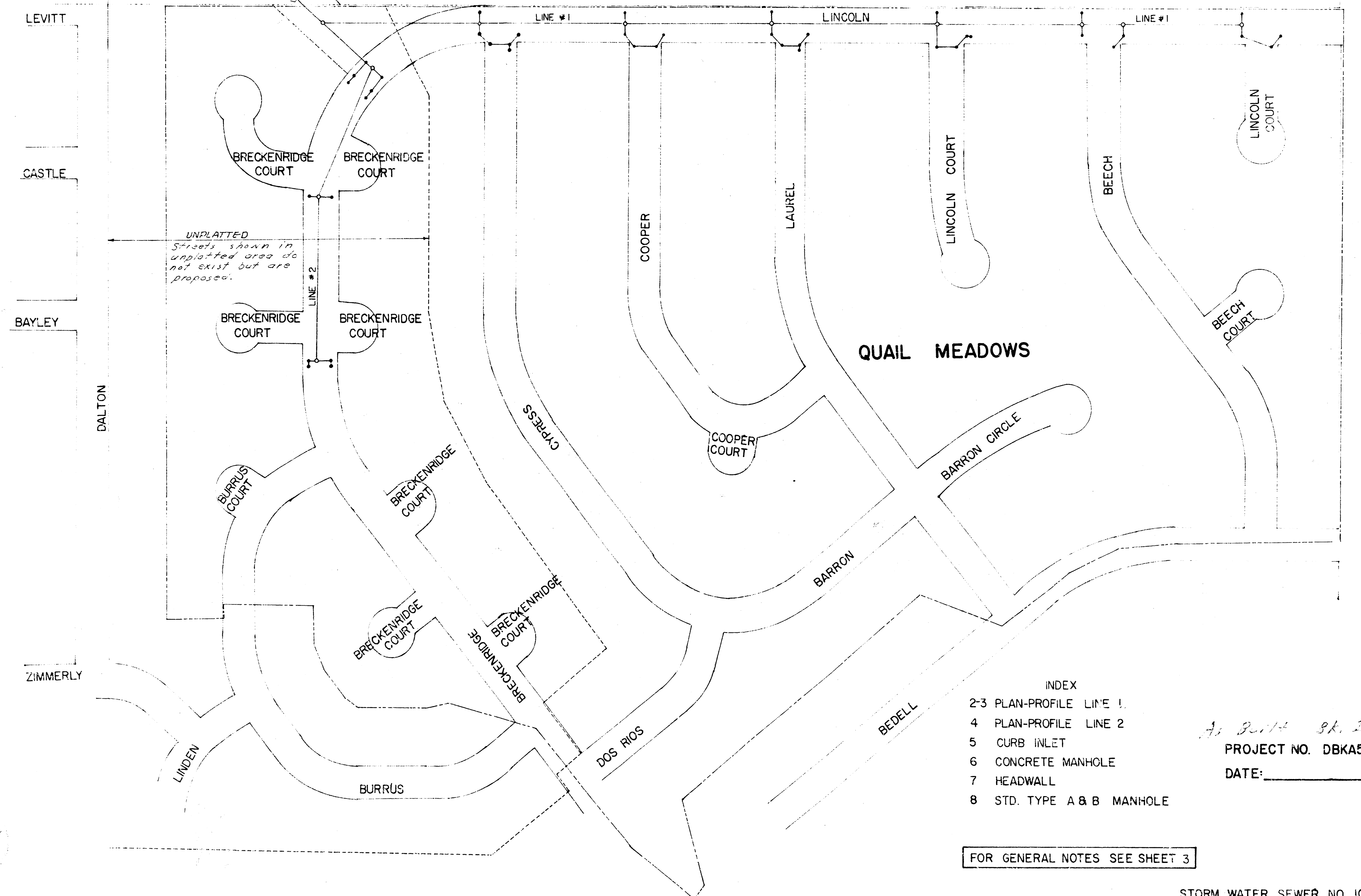


STORM WATER SEWER NO. 108

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: _____

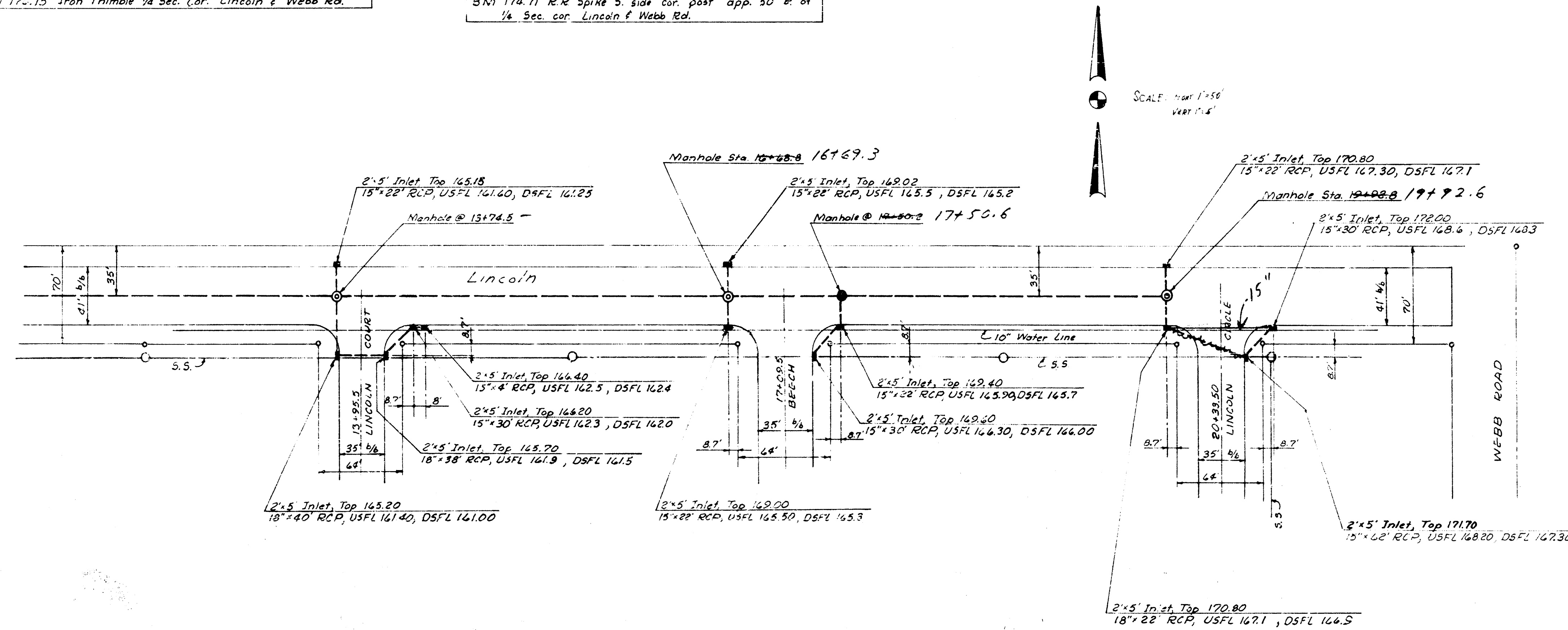
FOR GENERAL NOTES SEE SHEET 3

STORM WATER SEWER NO. 108

1 OF 8

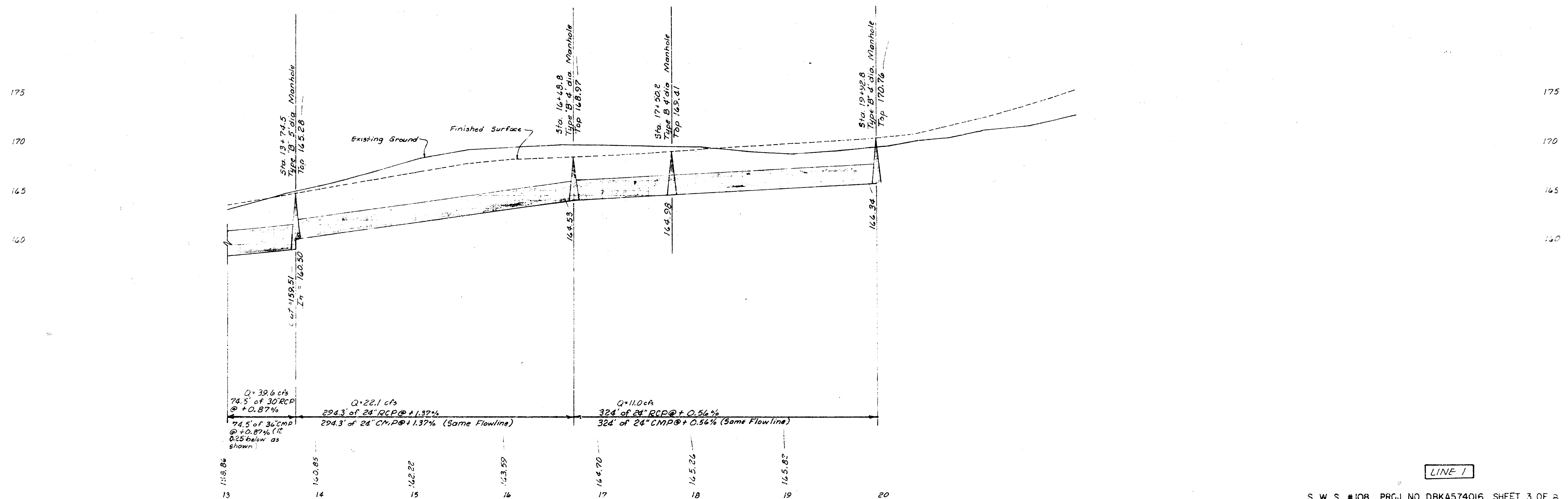
BM 154.40 RR Sph Top 3" guard pole E. side Webb Rd. app.
100' N. of N.J. Bedell W.
BM 17.15 Iron Thimble 1/4 Sec. Cor. Lincoln & Webb Rd.

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.

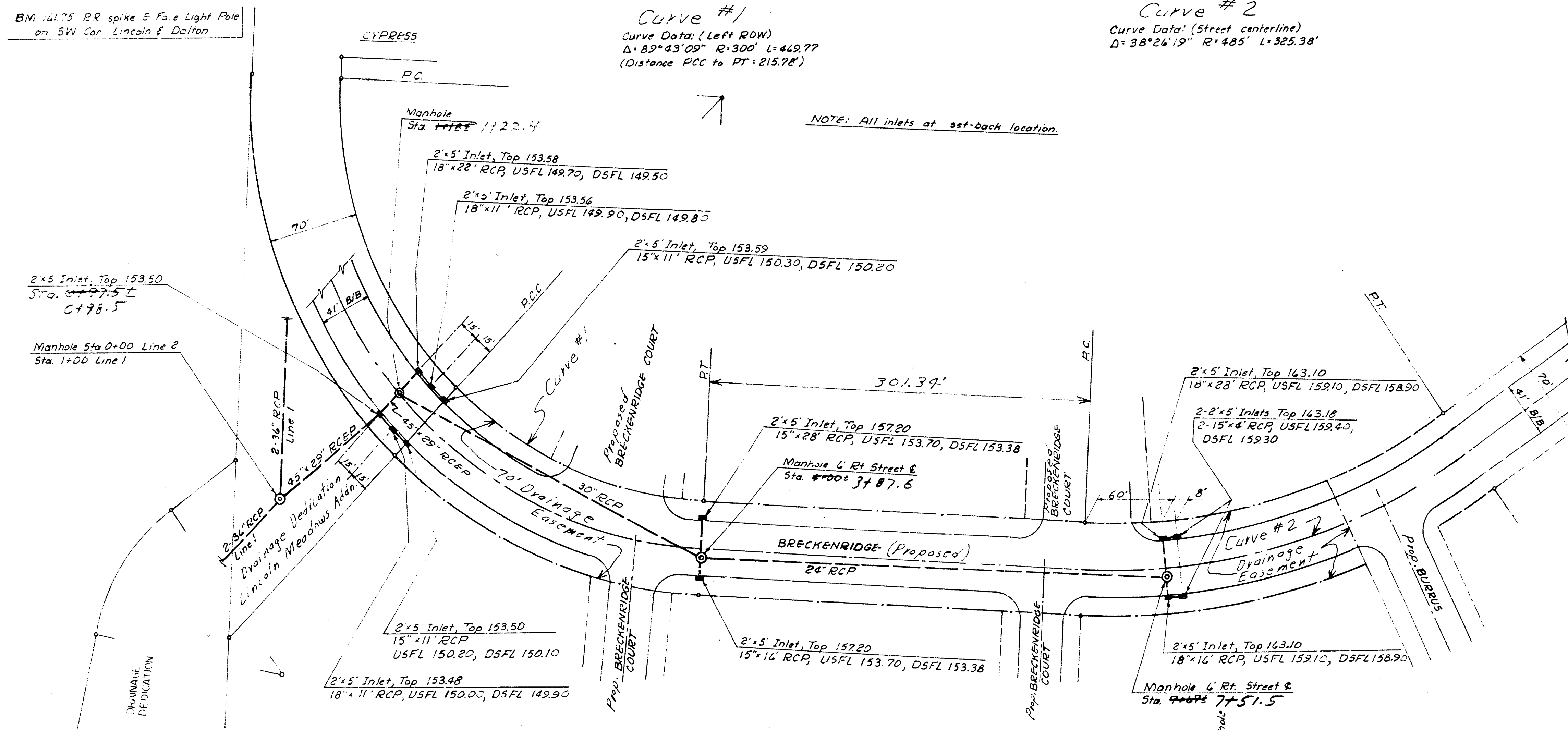


NOTE: All inlets at set-back location

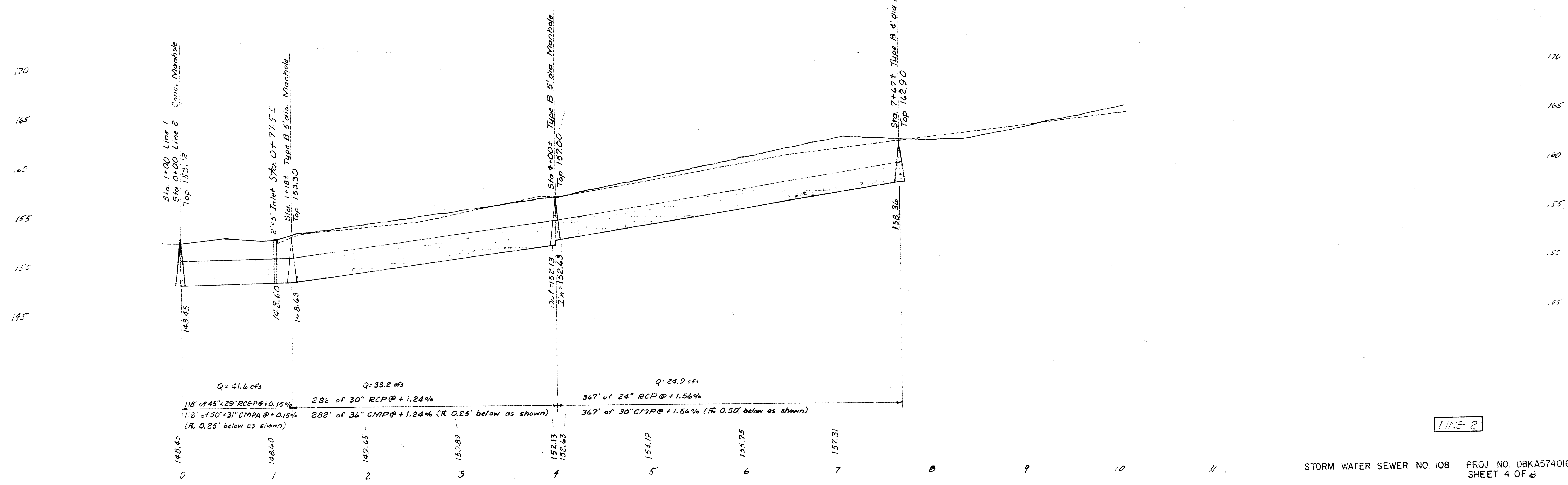
- NOTES:
1. ALL WORK SHALL BE ACCORDING TO THE LATEST EDITION OF THE STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, SEVENTH EDITION, AS AMENDED, AND THE LATEST EDITION OF THE STANDARD SPECIFICATIONS FOR SEWERAGE AND SANITATION, SEVENTH EDITION, AS AMENDED, AND THE LATEST EDITION OF THE STANDARD SPECIFICATIONS FOR STRUCTURES, SEVENTH EDITION, AS AMENDED.
 2. PIPE FURNISHED FOR THIS PROJECT SHALL BE 15" OR 18" RCP, CONCRETE PIPE OR CORRUGATED METAL PIPE. CORRUGATED METAL PIPE SHALL CONFORM TO THE APPROPRIATE SPECIFICATIONS OF SECTION 100.07 AND SECTION 100.08 OF THE STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, SEVENTH EDITION, AS AMENDED, AND THE LATEST EDITION OF THE STANDARD SPECIFICATIONS FOR SEWERAGE AND SANITATION, SEVENTH EDITION, AS AMENDED.
 3. ALL CURB INLETS ARE TO BE CONSTRUCTED AT A SET-BACK LOCATION. SEE SHEET 100.07 FOR DETAILS. CONSTRUCTION NOTES FOR EACH INLET: SET-BACK SIDE AND ELEVATION OF THE OUTLET PIPE FROM THE SIDE OF THE ROAD. UPSTREAM FLOW ELEVATION OF THE OUTLET PIPE (F.S.F.), AND THE DOWNSTREAM FLOW ELEVATION OF THE INLET PIPE (F.S.F.). FLOW ELEVATIONS SHOWN ON PLAN ARE FOR UNIMPROVED CURB & GUTTER. FLOW ELEVATIONS MUST BE ADJUSTED AS INDICATED WHEN CORRUGATED METAL PIPE IS USED.
 4. CONTRACTOR MUST USE SPECIAL CARE WHILE CONSTRUCTING INLETS ADJACENT TO WATER OR WHILE CROSSING WATER WITH A STORM SEWER PIPE ON THE SIDE OF THE ROAD.
 5. MANHOLE RINGS HAVING A DIAMETER OF 5' SHALL BE USED WITH ALL 15" DIAMETER TYPE "B" MANHOLES.



LINE 1

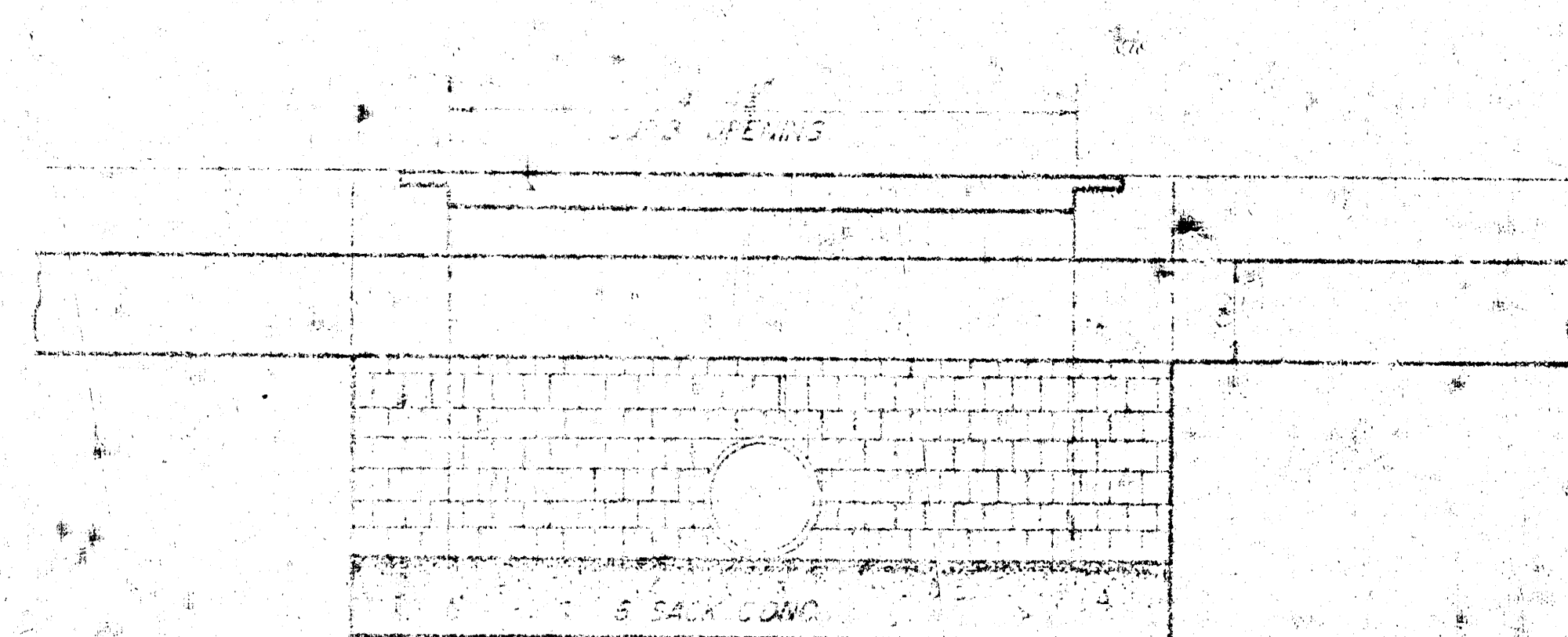


SCALE HORT 1"=50'
 VERT 1"=5'

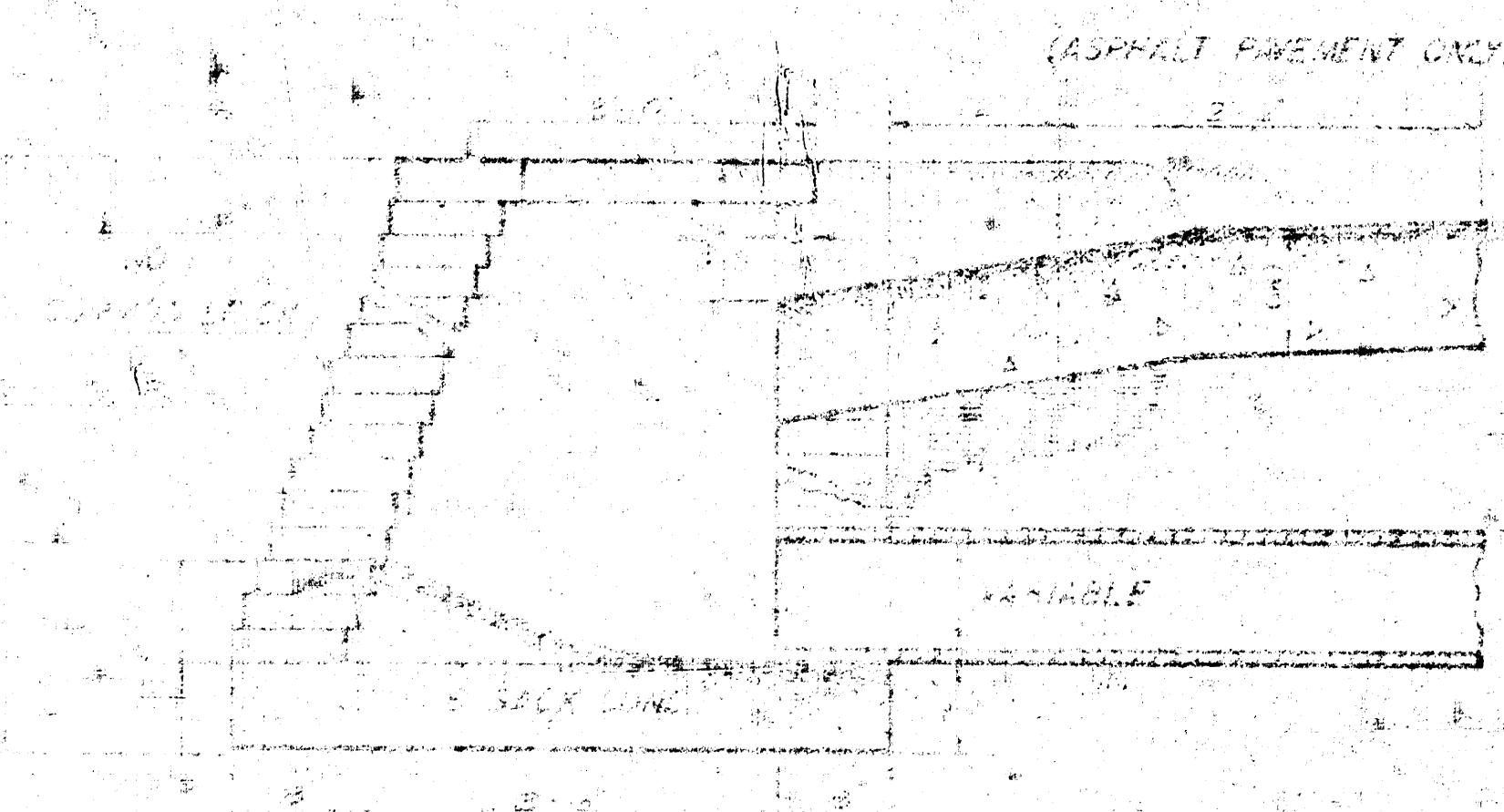


LINE 2

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



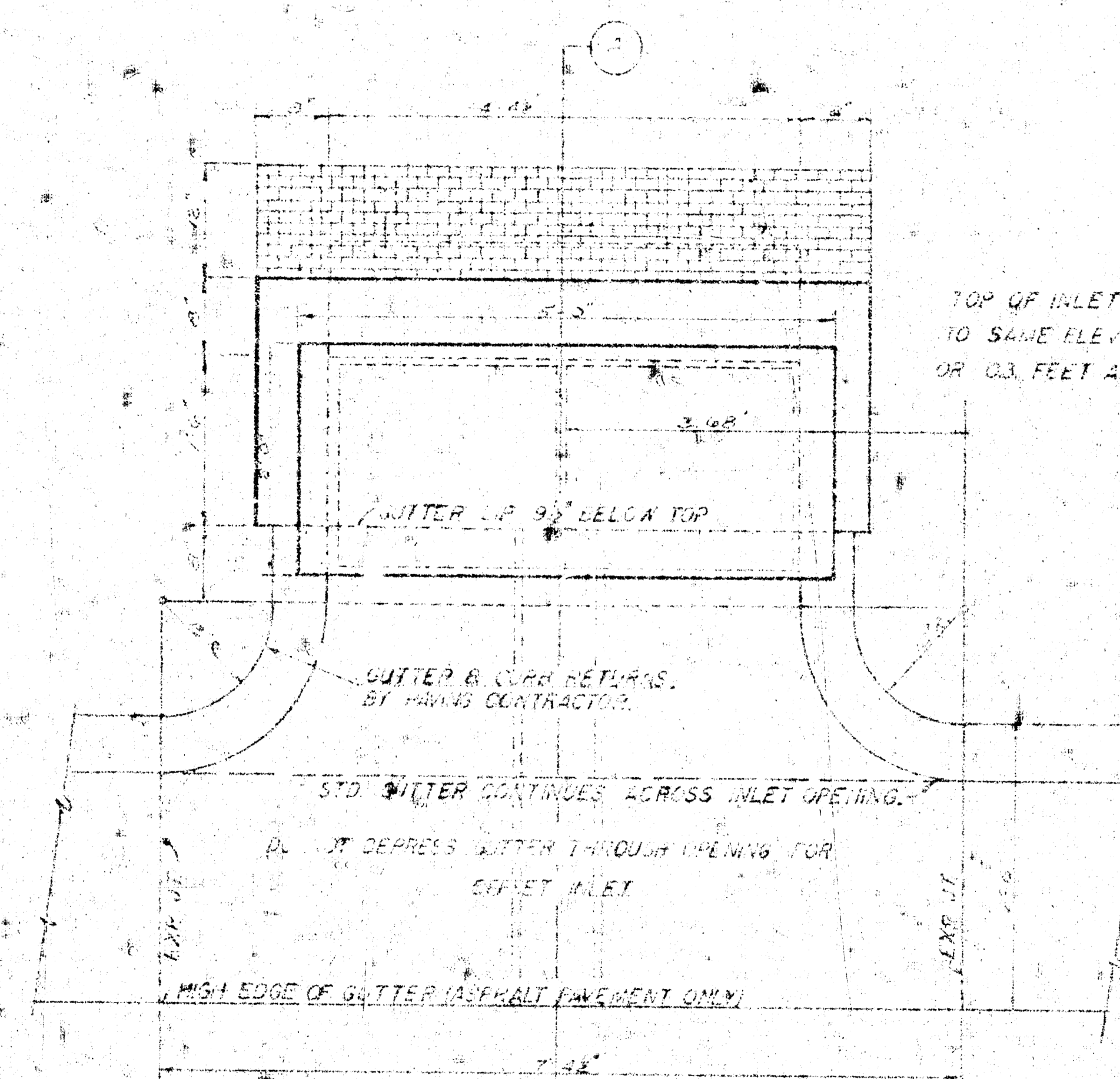
ELEVATION



SECTION THRU INLET
AND INLET COVER
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.

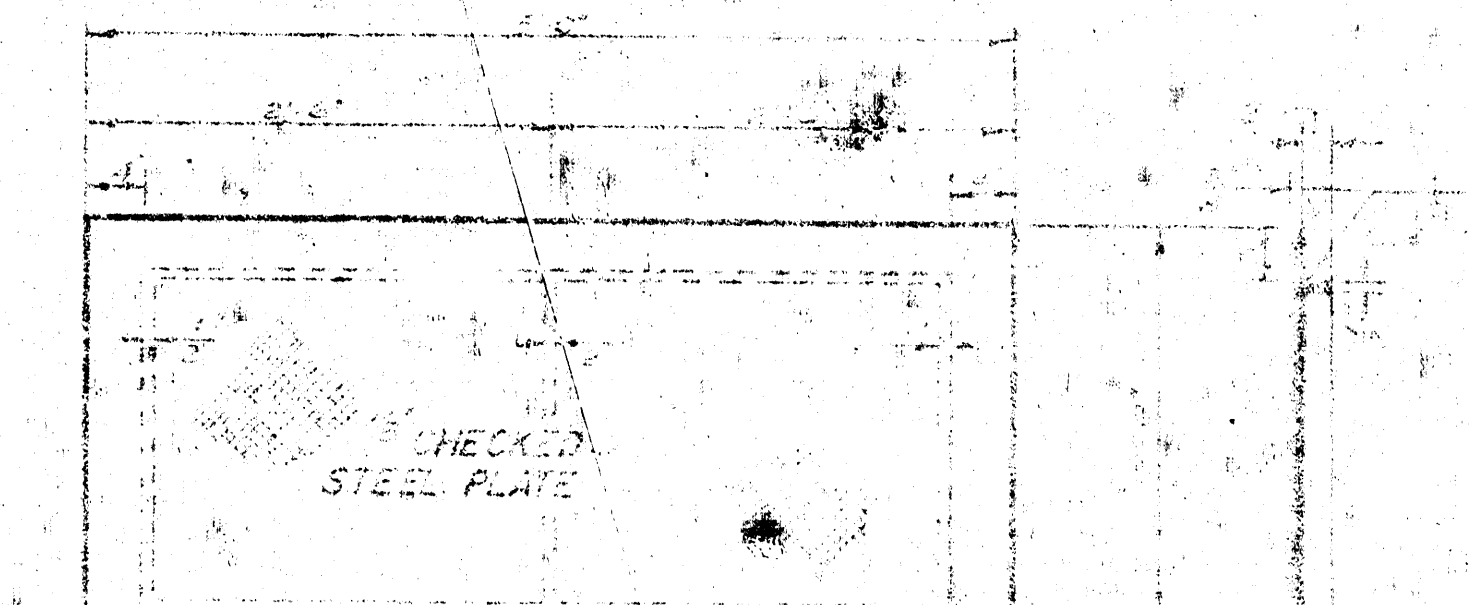
(1) CURB & GUTTER OR PAVEMENT THICKNESS



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

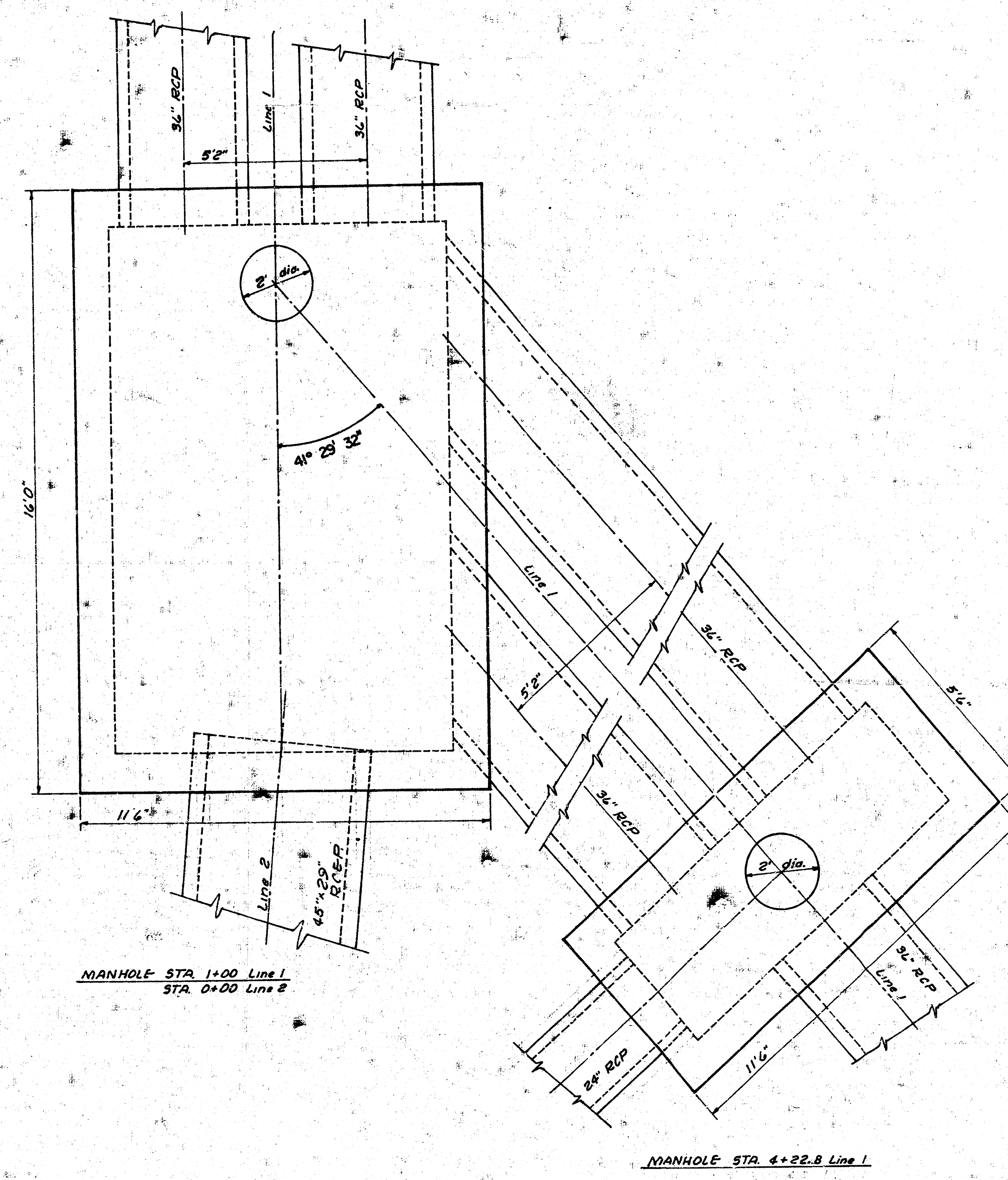
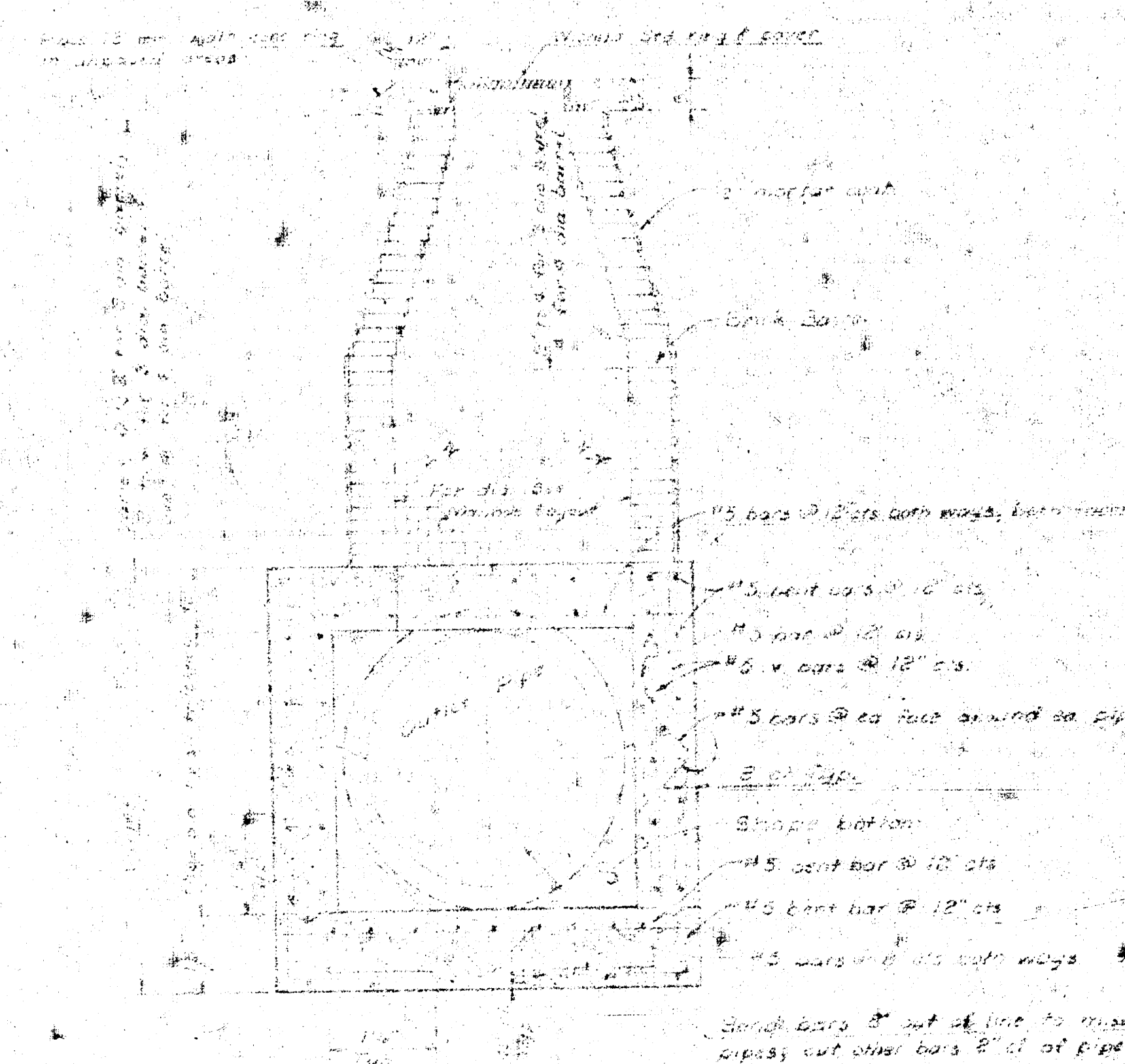
ELEVATION

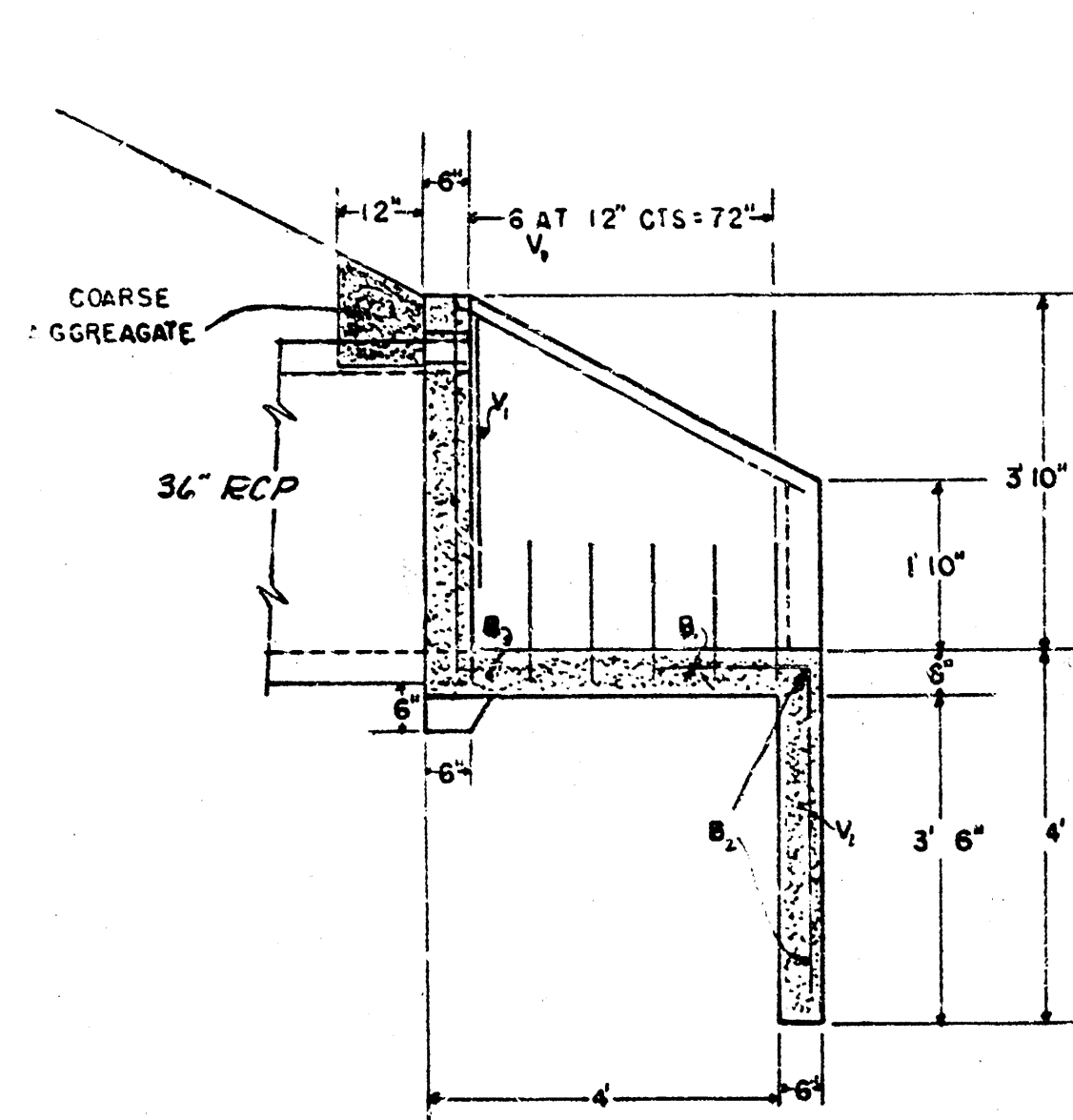
CITY OF WICHITA
STANDARD 24" INLET COVER
WEIGHT 200 LBS.
DEPT. 10" (10" DIA.)
SCALE 1/4" = 1'-0"

DETAIL
STANDARD 24" INLET
(SET BACK LOCATION)

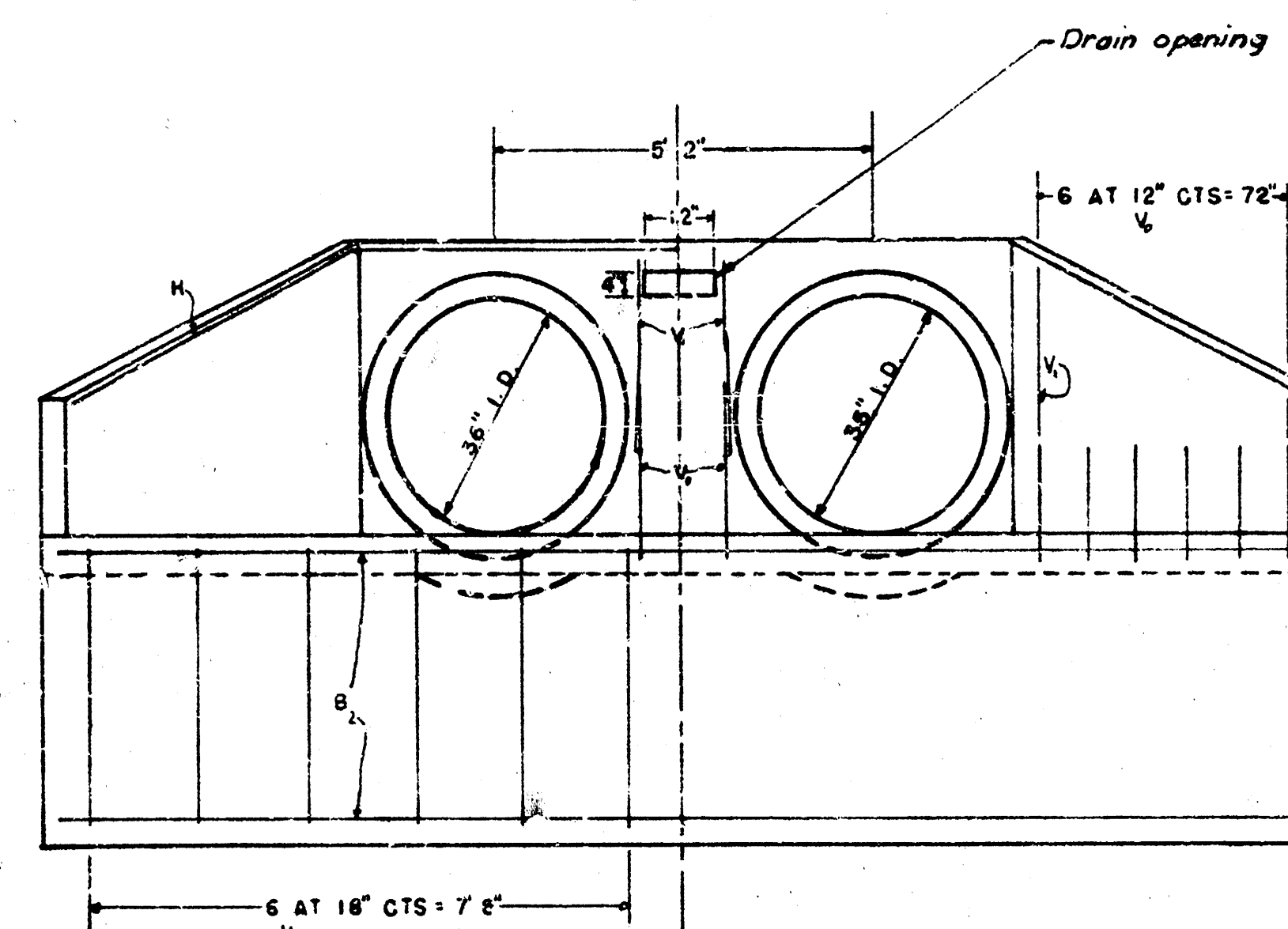
CITY OF WICHITA, KANSAS
R. W. LINN, CITY ENGINEER

JUNE 1974

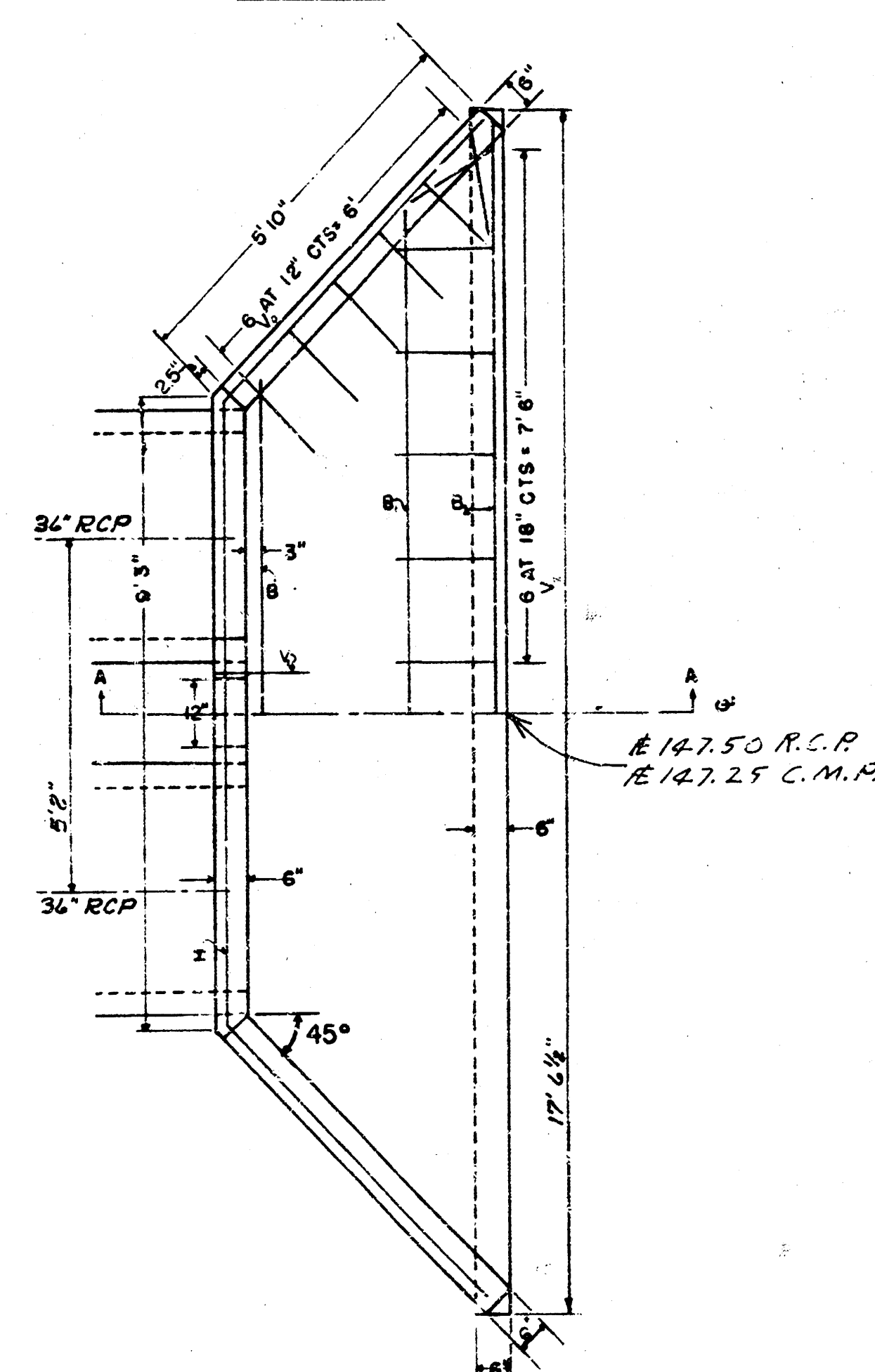




SECTION A-A



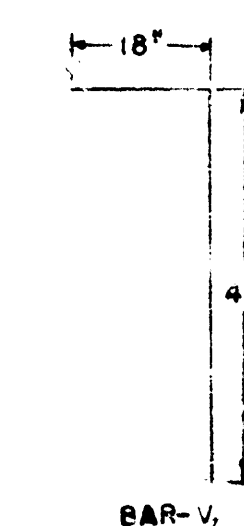
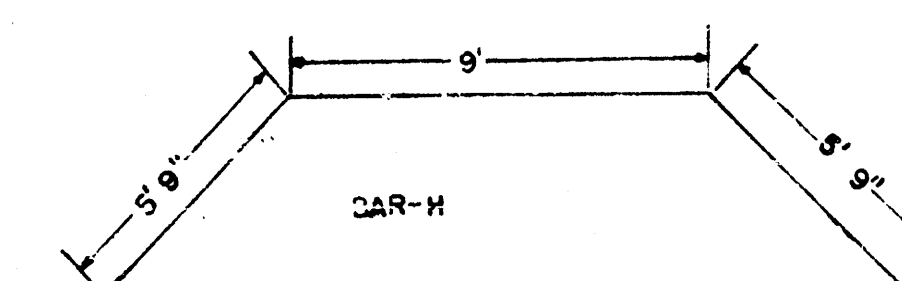
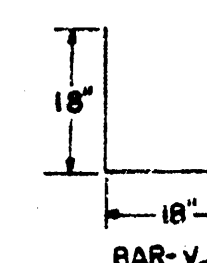
END ELEVATION



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	

