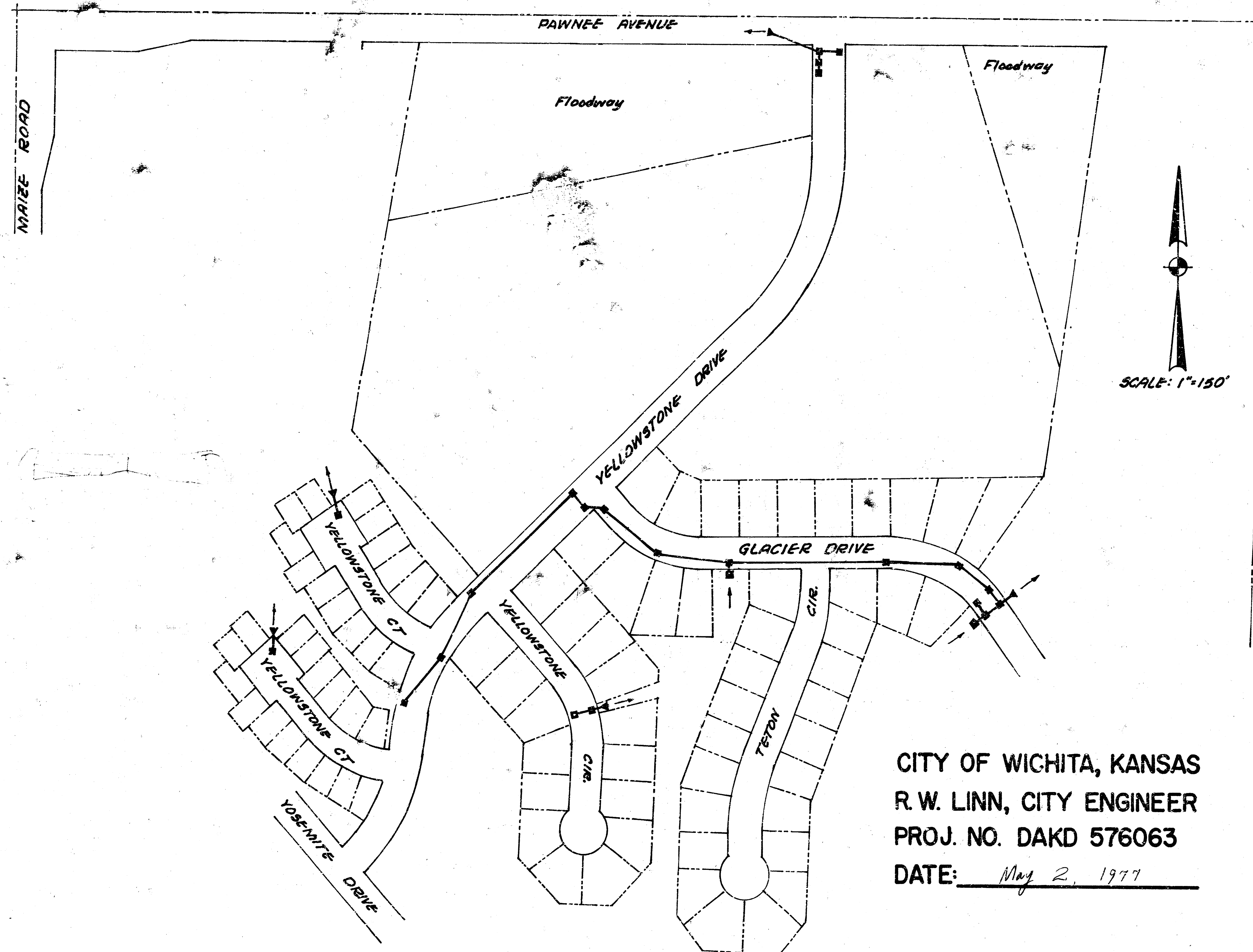


DRAINAGE IN CONNECTION WITH YELLOWSTONE DRIVE PAVING (THE PARK ADDITION)



INDEX

SHEET	1	COVER SHEET
	2-4	PLAN AND PROFILE OF SEWER ALONG YELLOWSTONE DRIVE AND GLACIER DRIVE
	5	PLAN AND PROFILE OF SEWER AND CHANNEL ALONG PAWNEE
	6	PLANS SHOWING DRAINAGE FROM CUL-DE-SACS
	7	HEADWALL STRUCTURE AND MISC. DETAILS
	8	STD. TYPE 1 CURB INLET

GENERAL NOTES

1. ALL EXCESS EXCAVATED MATERIAL FROM CONSTRUCTION OF CHANNEL (SEE SHEET 6) BETWEEN STATION NOS. 0+00 AND 0+55 SHALL BE USED TO FILL THE LOW AREAS IN THE VICINITY OF THE 24" PIPE BETWEEN STATION NOS. 0+55 AND 1+10 FLAGGED AS FILL, SEE SHEET 6. FILL IN LOW AREAS WILL REQUIRE COMPACTION OTHER THAN THAT WHICH IS NORMALLY OBTAINED FROM THE EQUIPMENT USED FOR HAULING AND GRADING. THE WORK WILL NOT BE PAID FOR DIRECTLY AND SHALL BE CONSIDERED AS SUBSIDIARY TO THE OTHER ITEMS OF WORK.
2. ALL CIRCULAR STORM WATER SEWER PIPE SHALL BE EITHER ALL R.C.P. OR ALL C.M.P.
3. ALL 12-INCH TO 21-INCH DIAMETER CORRUGATED METAL PIPE SHALL ~~BE~~ ^{BE} HELICALLY CORRUGATED METAL PIPE. ALL 24-INCH DIAMETER AND LARGER CORRUGATED METAL PIPE SHALL BE FULLY PAVED (SMOOTH FLOW) C.M.P.
4. FIELD ENGINEER TO TAKE NECESSARY TIES ON ALL IRONS THAT WILL BE DESTROYED BY CONTRACTOR. CONTRACTOR TO REPLACE IRONS (AND THIMBLES) DURING CONSTRUCTION AS DIRECTED BY THE FIELD ENGINEER.
5. CONTACT AND COORDINATE WORK WITH THE OWNER/DEVELOPER: MR. DOUGLAS CASTLEBERRY AT 786 NORTH RIDGE ROAD, WICHITA, KANSAS 67212; (316) 943-2237 AND/OR DESIGN CONSULTANT: BILL G. YUNG AT (316) 264-0676 OR YASH DESAI, DRAINAGE ENGINEER IN THE CITY HALL AT (316) 268-4235; WITH REGARD TO ANY TREE REMOVAL IN THE AREA, BOTH IN THE PARK ADDITION AND IN THE STREET(S) RIGHT-OF-WAY.

CITY OF WICHITA, KANSAS
R.W. LINN, CITY ENGINEER
PROJ. NO. DAKD 576063
DATE: May 2, 1977



As built 5-12-78

For B.M see Sheet 3

5-30" R.C.P.

Install 30" Pipe Stub @ 0.4%
DSFL 116.89, Install Pipe Plug

Constr. Type 1 Curb Inlet, w=4'10", Top 123.34
Sta 8+81.82 (Street), Sta. 8+95 (Storm Sewer)

Install ³⁸~~35~~ of 18" ⁰⁷⁰⁰~~R.C.P.~~
USFL 118.24; DSFL 117.89

Constr. Type 1 Curb Inlet, w=3'10"
Sta. 8+81.82 (Street), Top 123.35

Construct Headwall Structure
Headwall Invert El. 118.60; Pipe Invert El. 118.85

Install 3' of 18" Pipe N. C. D.
USFL 118.60, DSFL 118.29

325
Install ~~20'~~ of 15" Pipe A.C.P.
USFL 119.70, DSFL 118.54

Constr. Type 1 Curb Inlet, w=3'10"
Sta. 8+47(Street), Top 123.29

Const. Type I Curb Inlet, w=4'10", Top 123.67
Sta. 7+75 (Street), Sta. ~~1+50~~ (Storm Sewer)

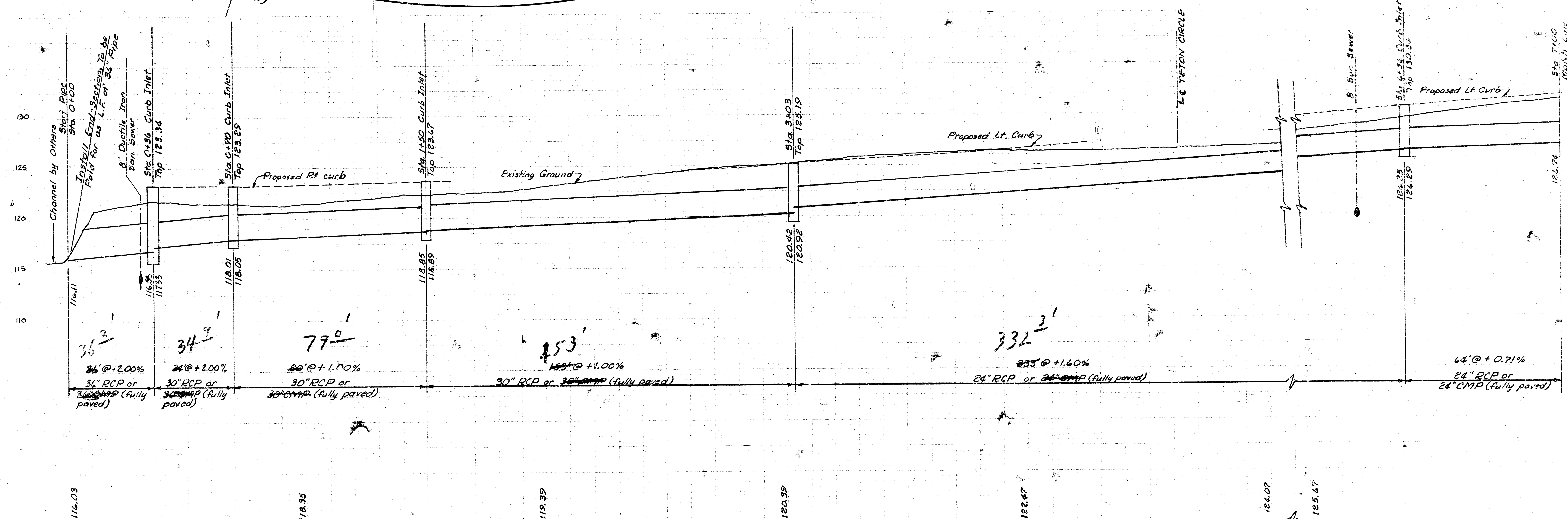
Constr. Type I Curb Inlet, w: 4'10", Top: 125.19
Sta. 6+25 (Street), Sta. 2+05 (Storm Sewer)

Constr. Headwall Structure
Headwall Invert El. 128.00; Pipe Invert El. 128.24

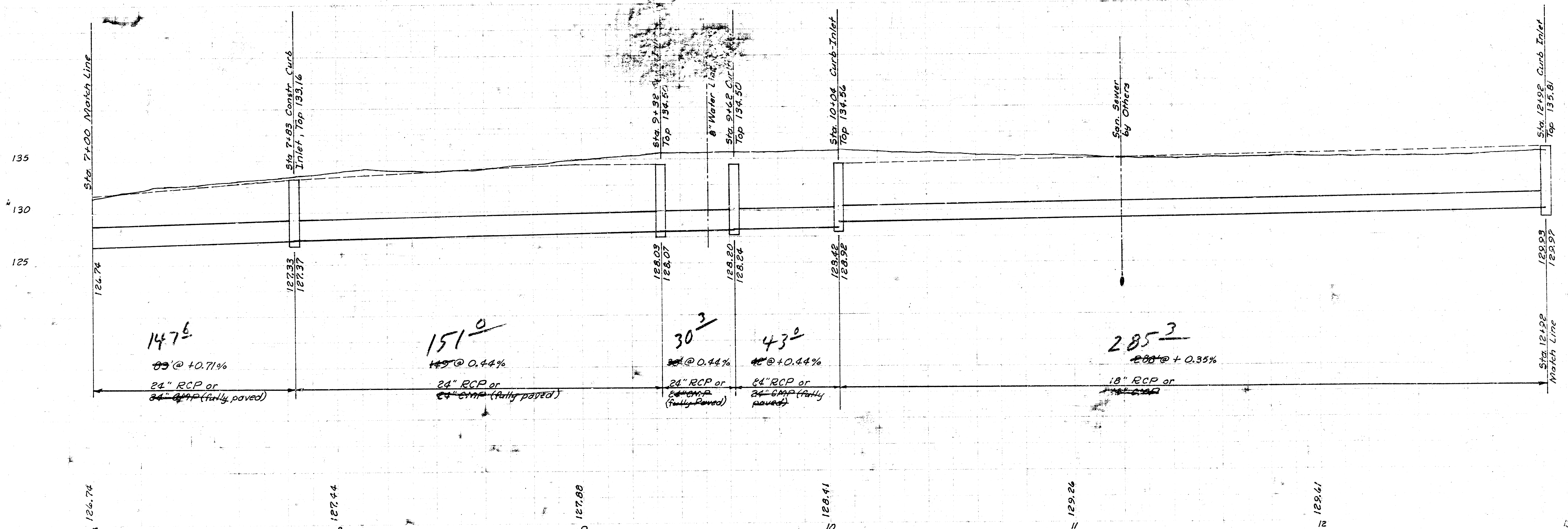
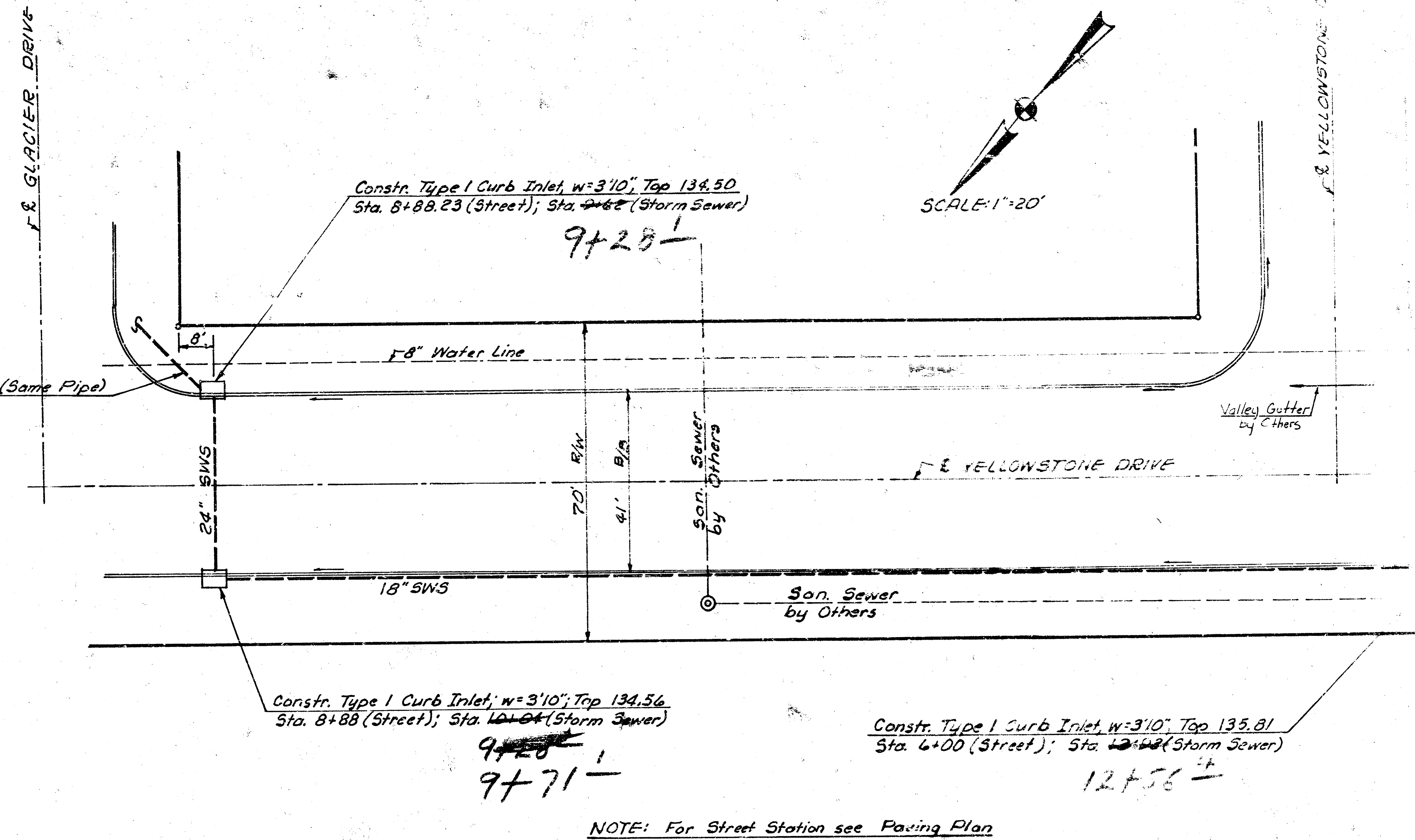
Install ²²~~35~~ of 18" Pipe R.C.I.
USFL 128.00; DSFL 127.50

Constr. Type I Curb Inlet, w=3'10" Top 130.55
Sta. 2+92 (Street), Sta. 2+98 (Storm Sewer)

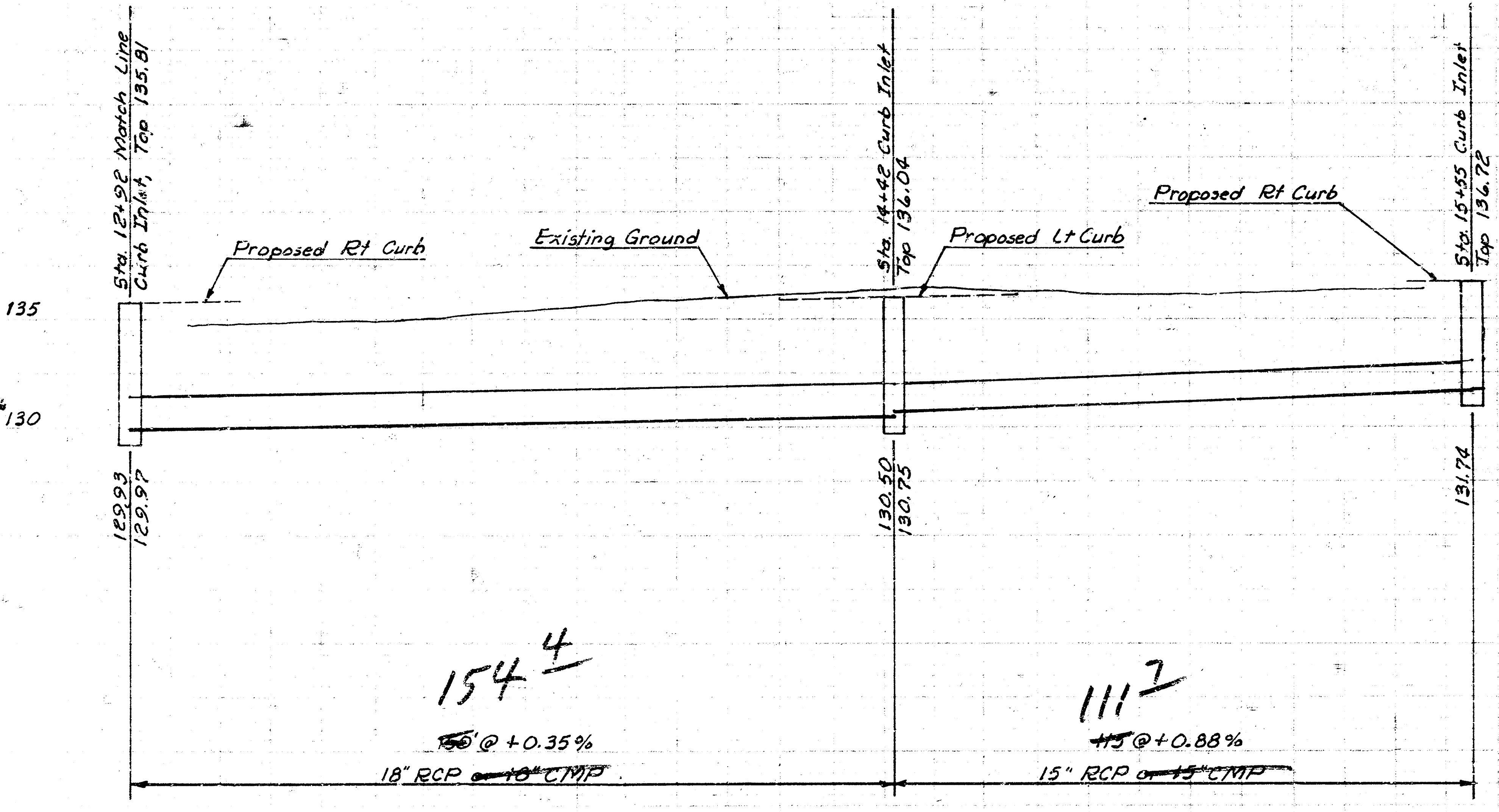
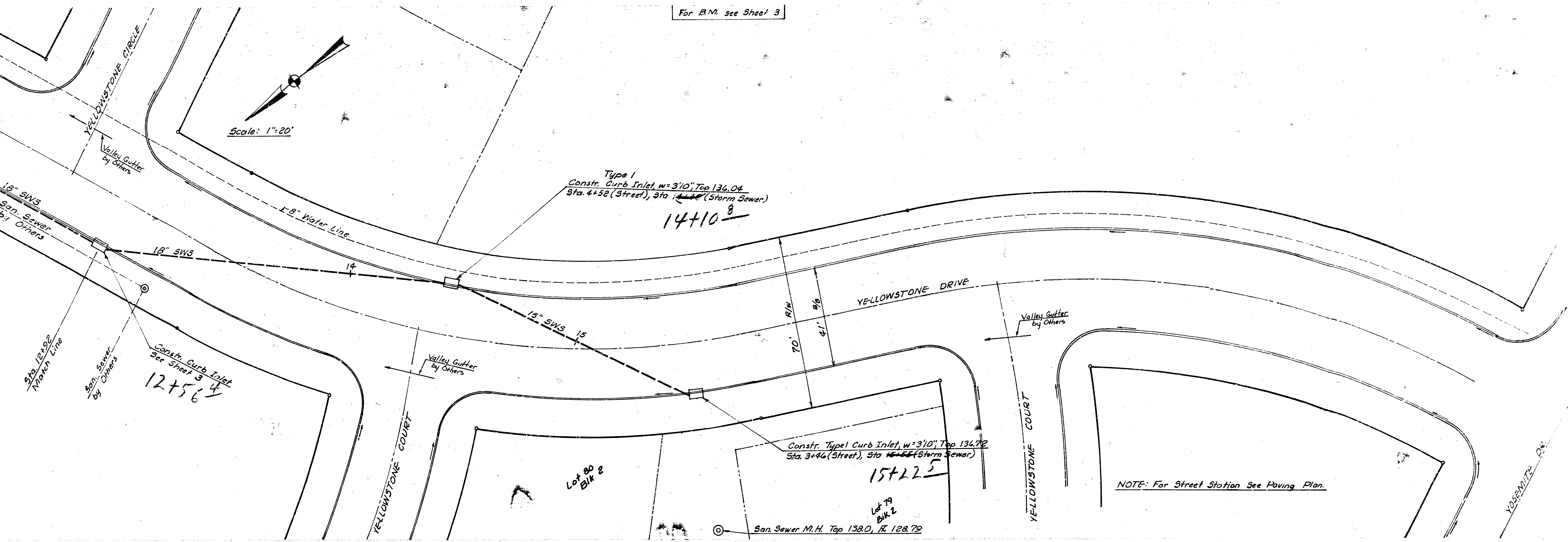
NOTE: For Street Station See Paving Plan.



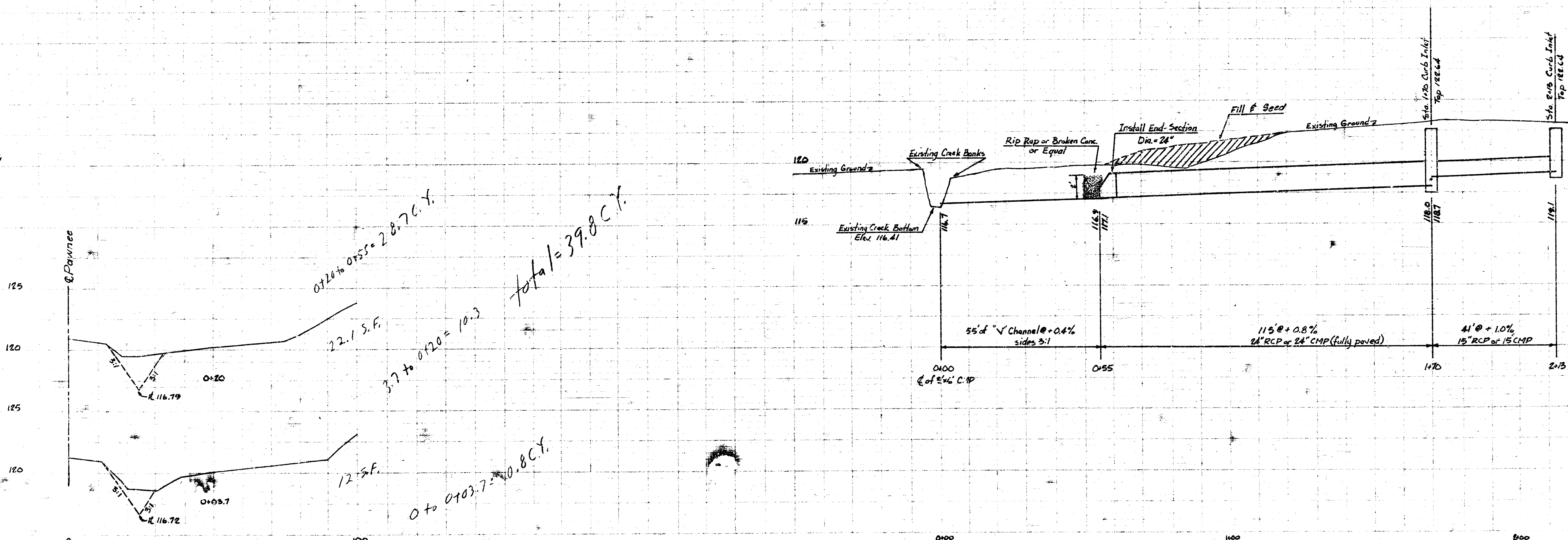
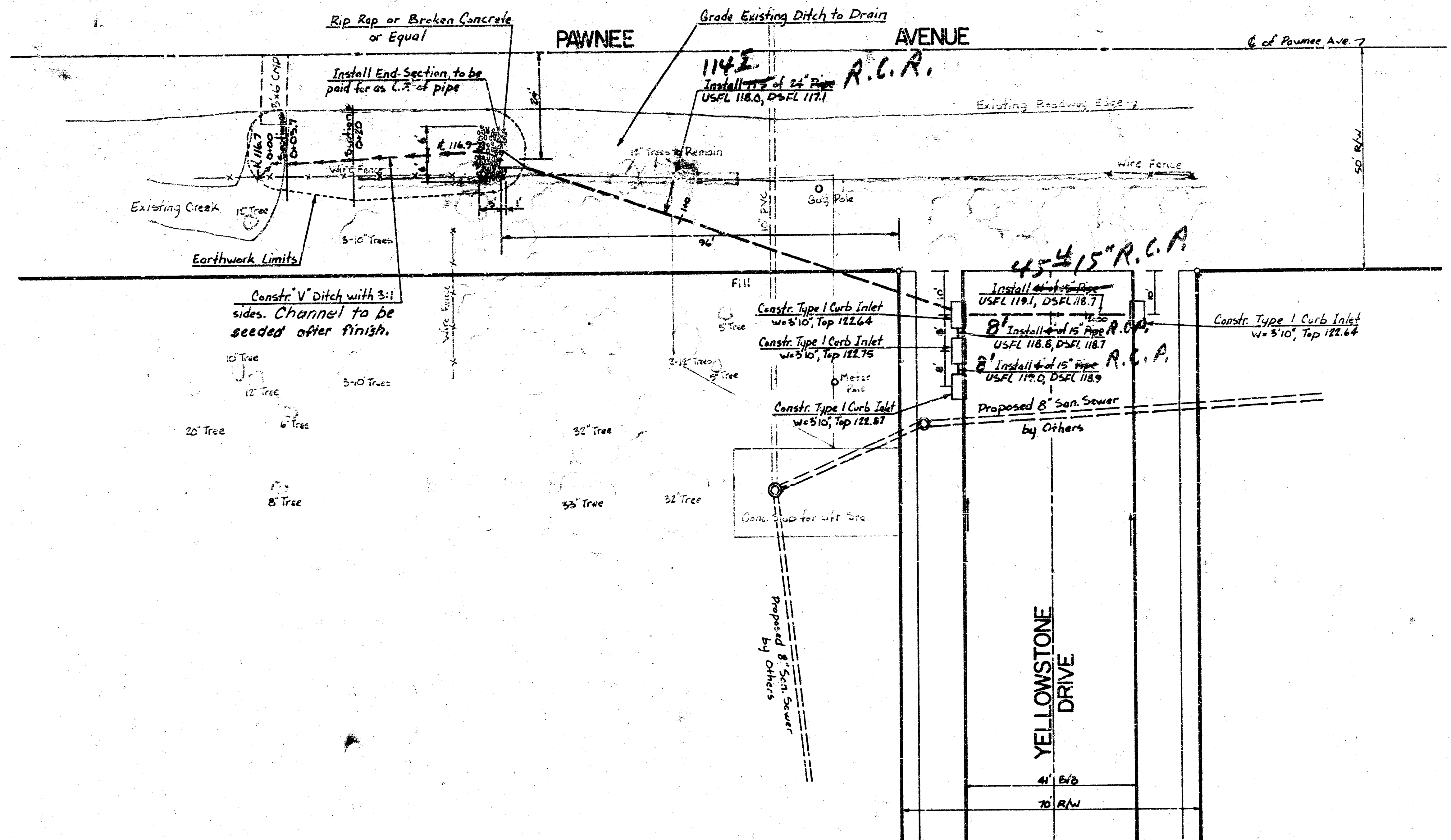
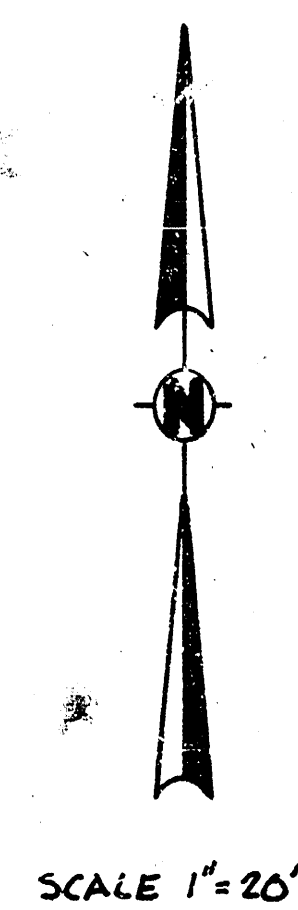
BM 119.57 R.R Spk S.E. Side RR, N.S. Pawnee 17' West
of W.L. Yellowstone Dr.



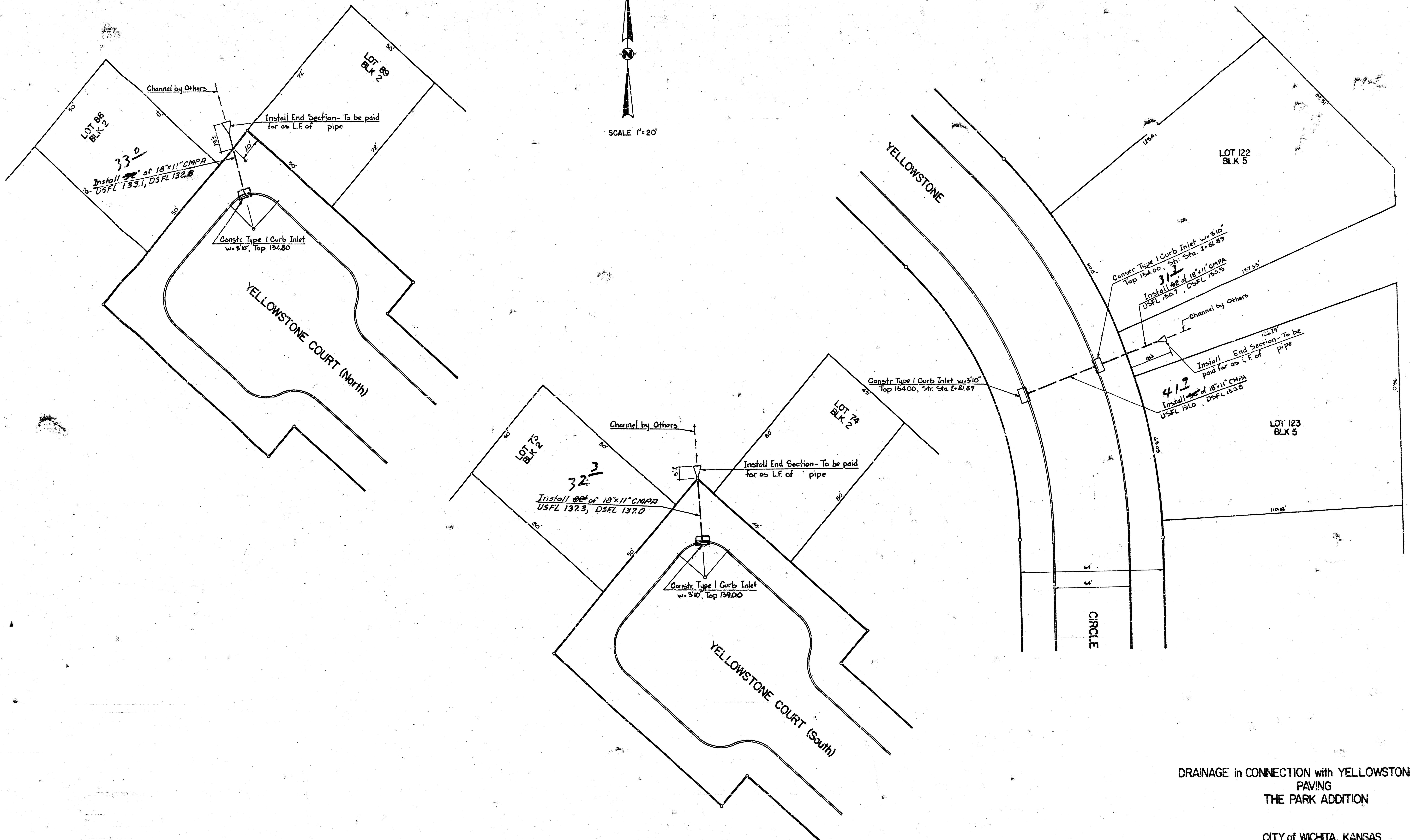
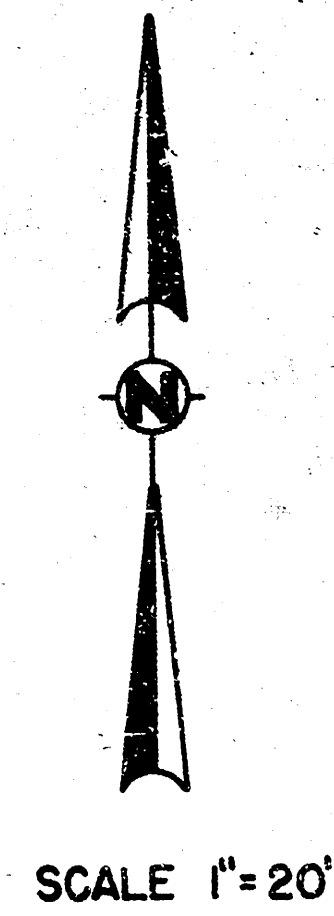
For B.M. see Sheet 3



For Bench Marks see Sheet 3



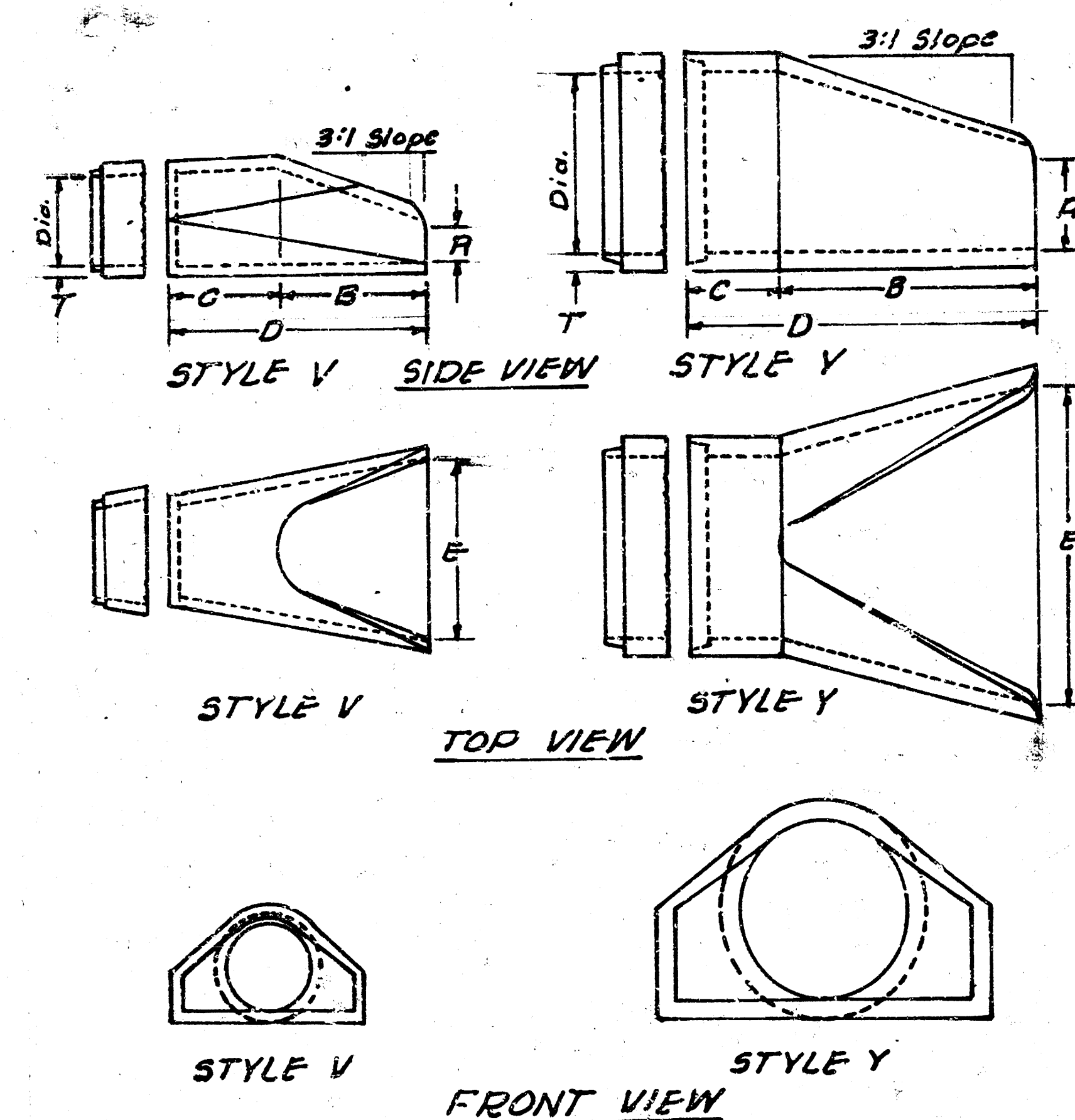
For BM see Sheet 3



DRAINAGE in CONNECTION with YELLOWSTONE DRIVE
PAVING
THE PARK ADDITION

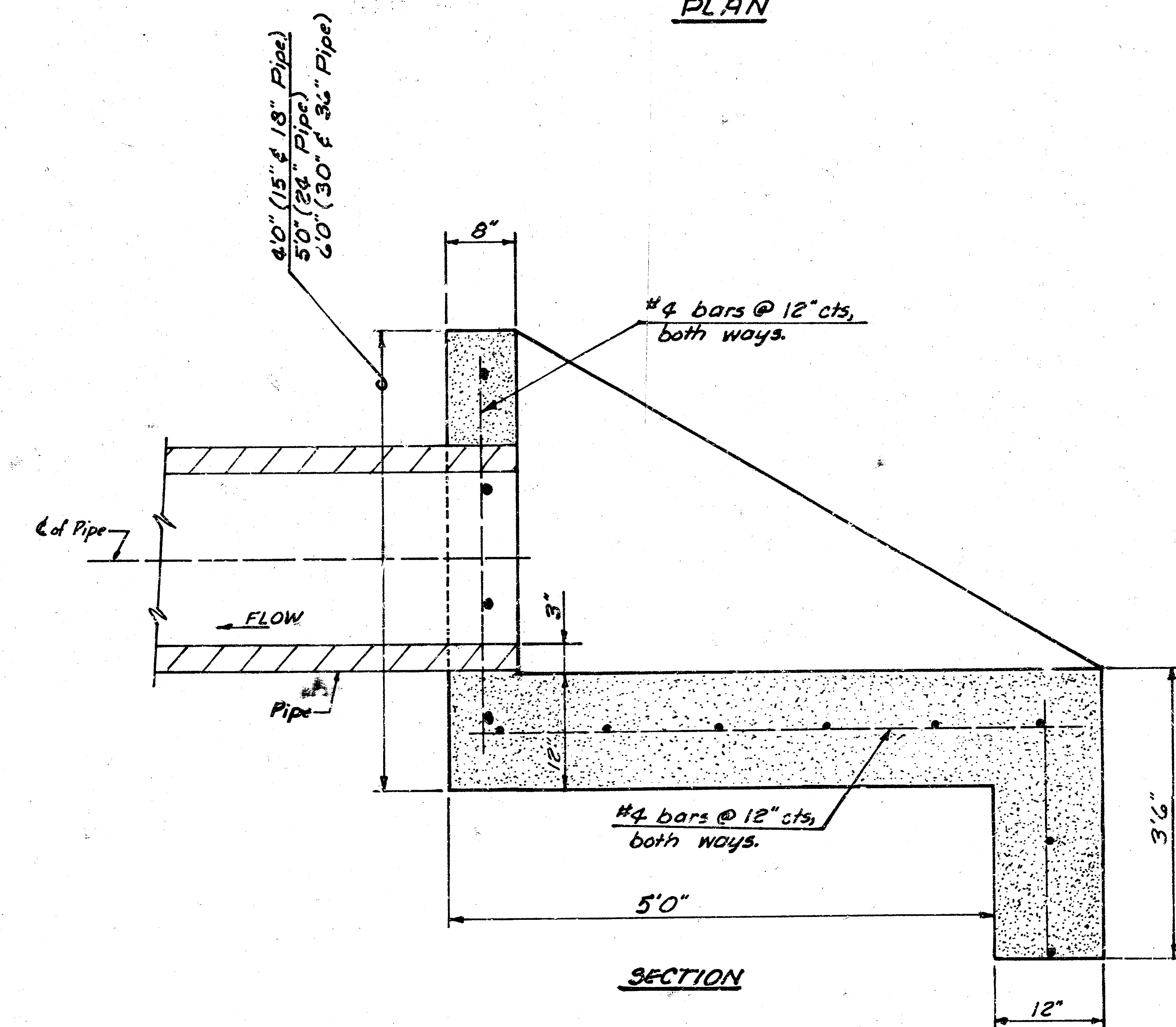
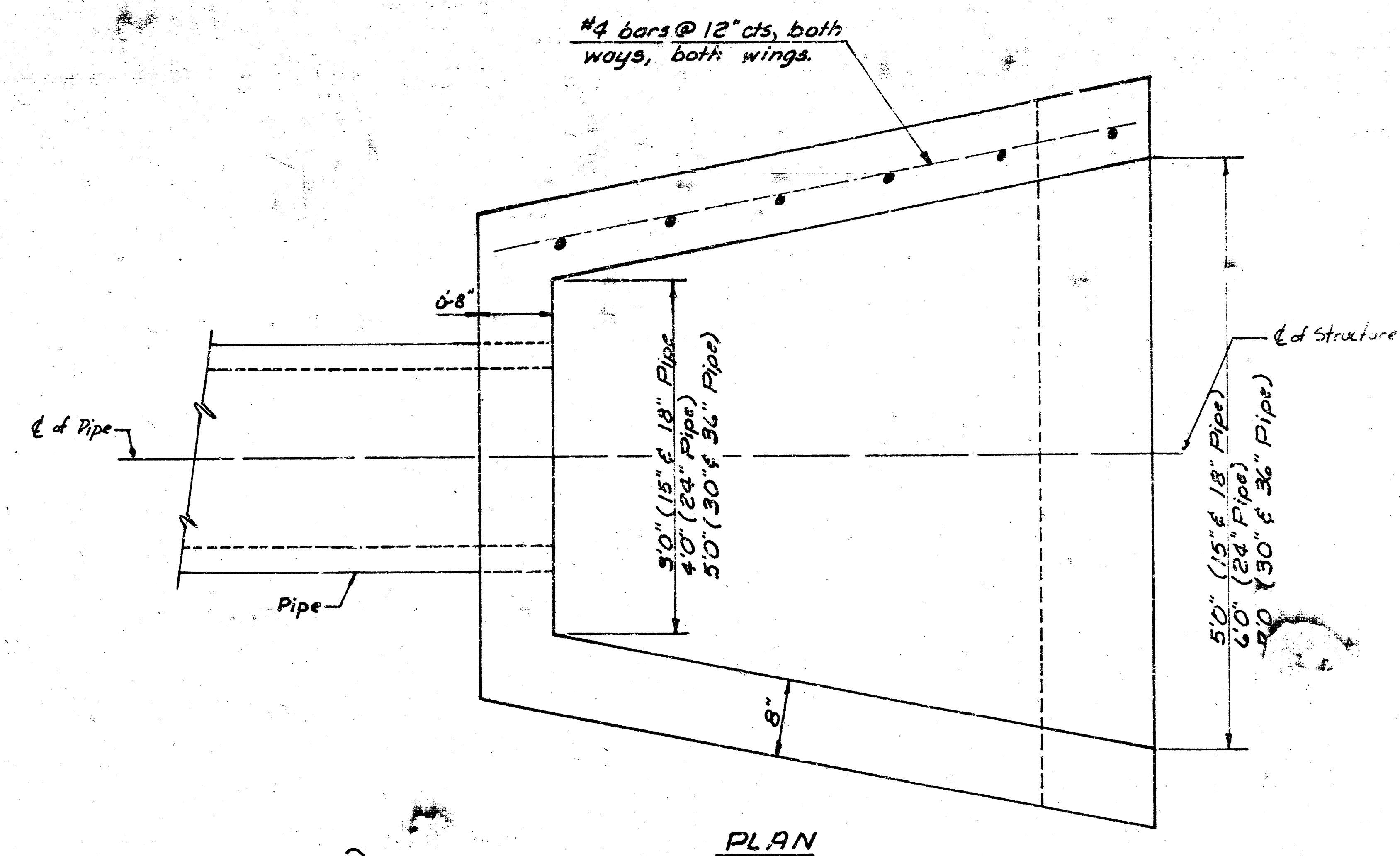
CITY of WICHITA, KANSAS
R. W. LINN-CITY ENGINEER
DATE _____
PROJ. NO. DAKD 576063

NOTE: See Paving Plan for Additional
Lay Out Information

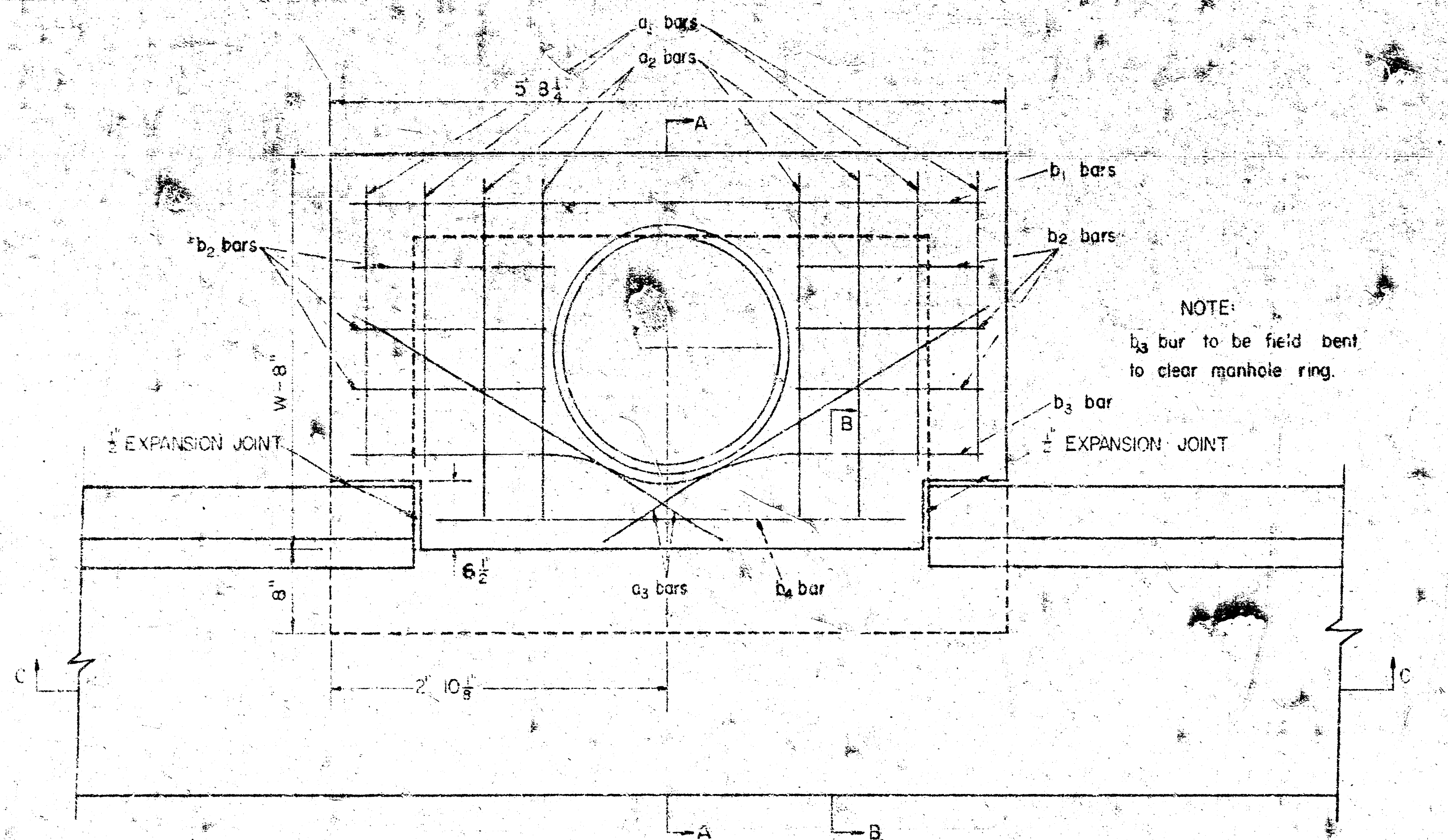


CONC. END SECTIONS
No Scale

Dia.	T	STYLE	A	B	C	D	E
15"	2 1/4"	V	7 1/2"	1'10"	3'2"	5'0"	2'4"
18"	2 1/2"	V	9"	2'3"	3'10"	6'1"	3'0"
24"	3"	V	9 1/2"	3'8"	2'6"	6'2"	4'0"
30"	3 1/2"	V	12"	4'6"	1'8"	6'2"	5'0"
42"	4 1/2"	Y	21"	5'3"	2'11"	8'2"	4'6"
48"	5"	Y	24"	6'0"	2'6"	8'2"	7'0"
54"	5 1/2"	Y	27"	5'5"	2'11"	8'4"	7'6"
60"	6"	Y	30"	5'0"	3'3"	8'3"	8'0"



HEADWALL DETAIL
Scale: 1" = 1'0"



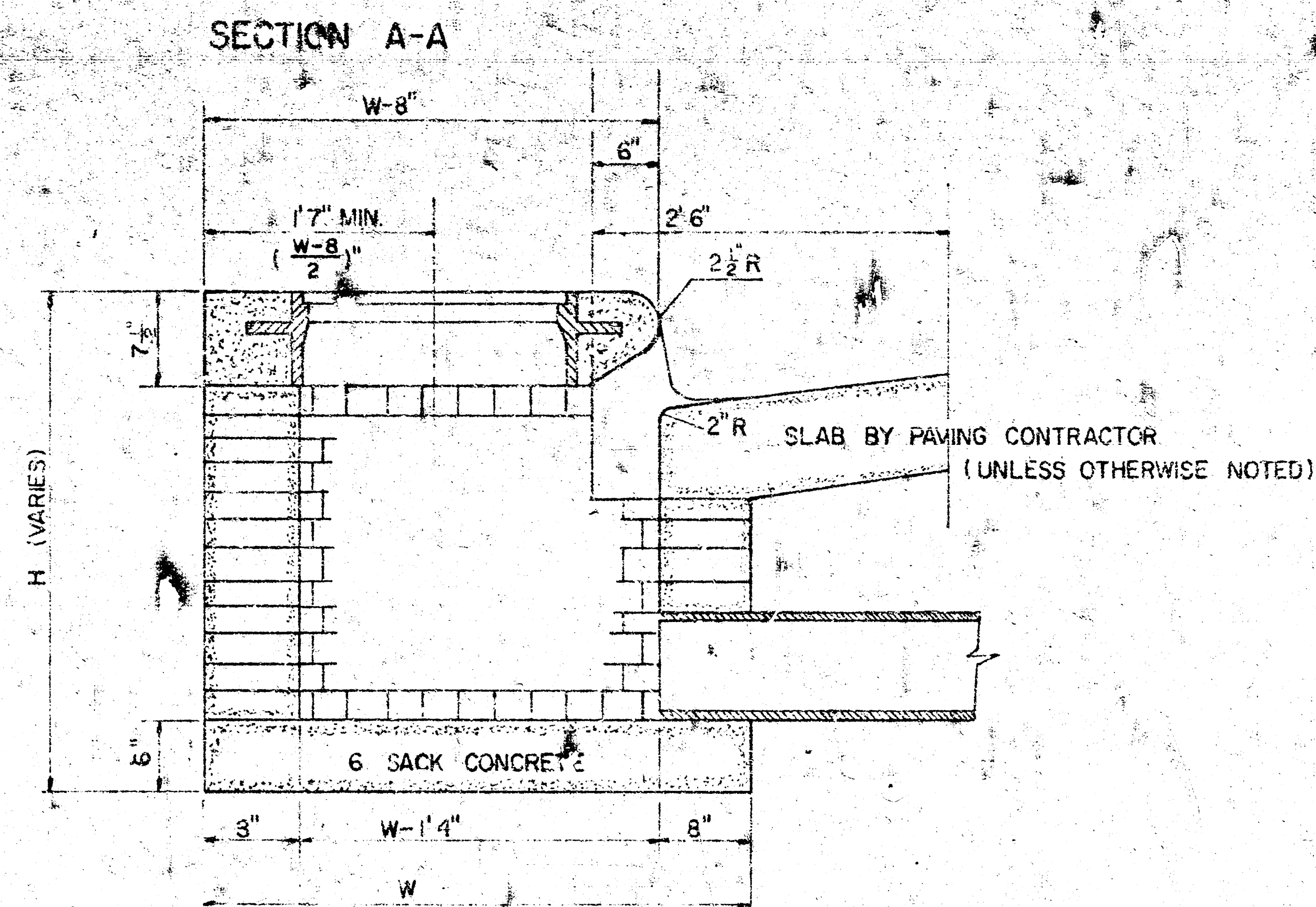
PLAN
SCALE: 1"=1'0"

REIN. STEEL TO BE PLACED ON 6" CTR'S

SHAPE CURB AND/OR GUTTER AT INLET
OPENING WITH SMOOTH CURVES

BAR		a ₁	a ₂	a ₃	b ₁			b ₂	b ₃	b ₄	Wt. Lbs.
					W=3'0"	W=4'0"	W=5'0"				
SIZE		#4	#4	#4	#4	#4	#4	#4	#4	#5	
NUMBER		4	4	2	1	3	5	6	1	1	
LENGTH	W=3'10"	4'9"	5'9"	3'7"	5'5"	-	-	1'7"	5'6"	4'0"	53
	W=4'10"	6'9"	7'9"	4'7"	-	5'5"	-	1'7"	5'6"	4'0"	72
	W=5'10"	8'9"	9'9"	5'7"	-	-	5'5"	1'7"	5'6"	4'0"	91

* NOTE: A₂ BARS TO BE PLACED APPROXIMATELY 2" BELOW TOP OF INLET COVER

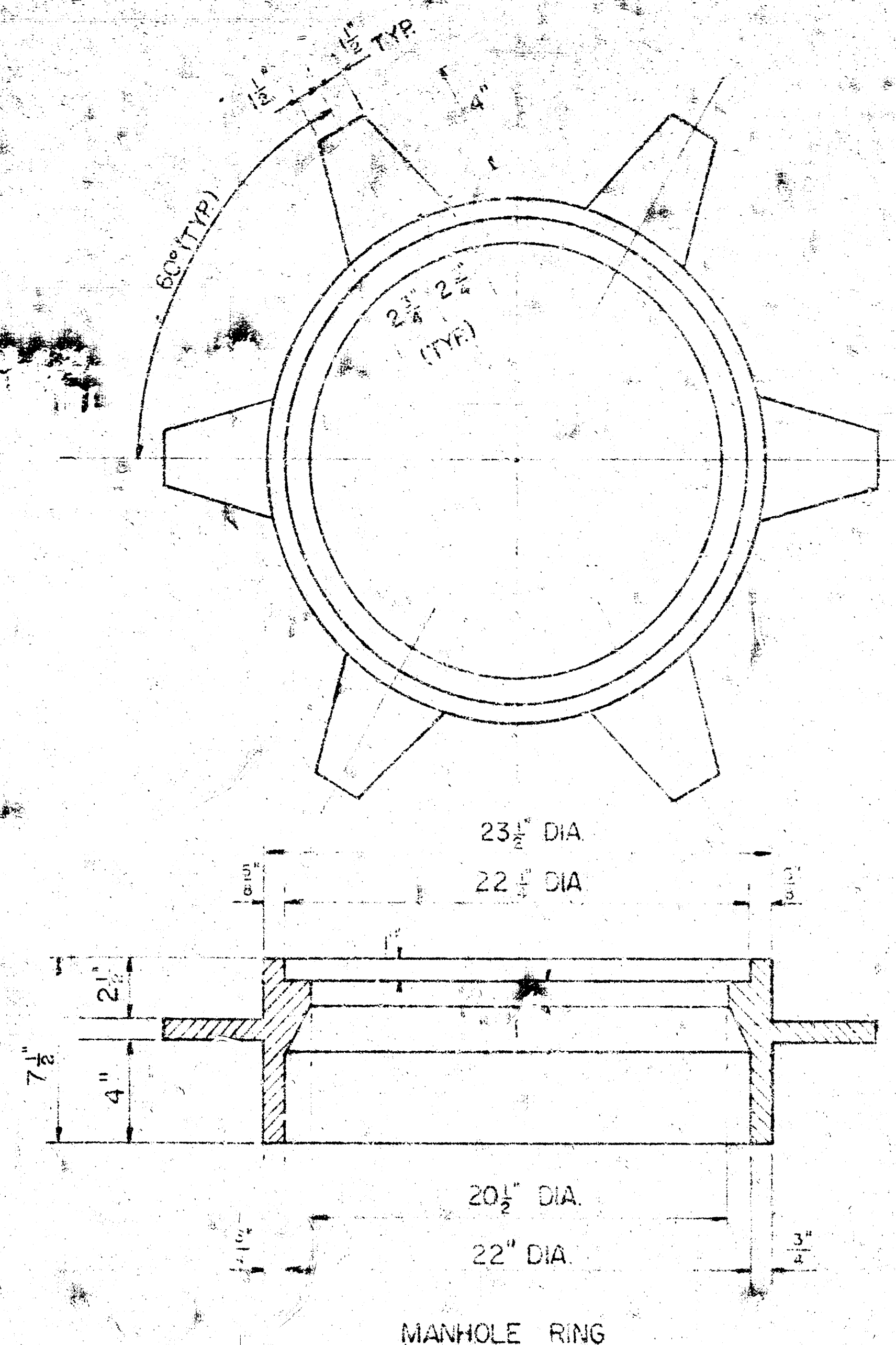


SECTION A-A
SCALE: 1"=1'0"

W	SIZE	PIPE SIZE	CU. YD. CONC.
3'10"	32" X 5'8 1/2" X 7 1/2"	24" & SMALLER	0.42"
4'10"	42" X 5'8 1/2" X 7 1/2"	30" & 36"	0.55"
5'10"	52" X 5'8 1/2" X 7 1/2"	42" & 48"	0.68"

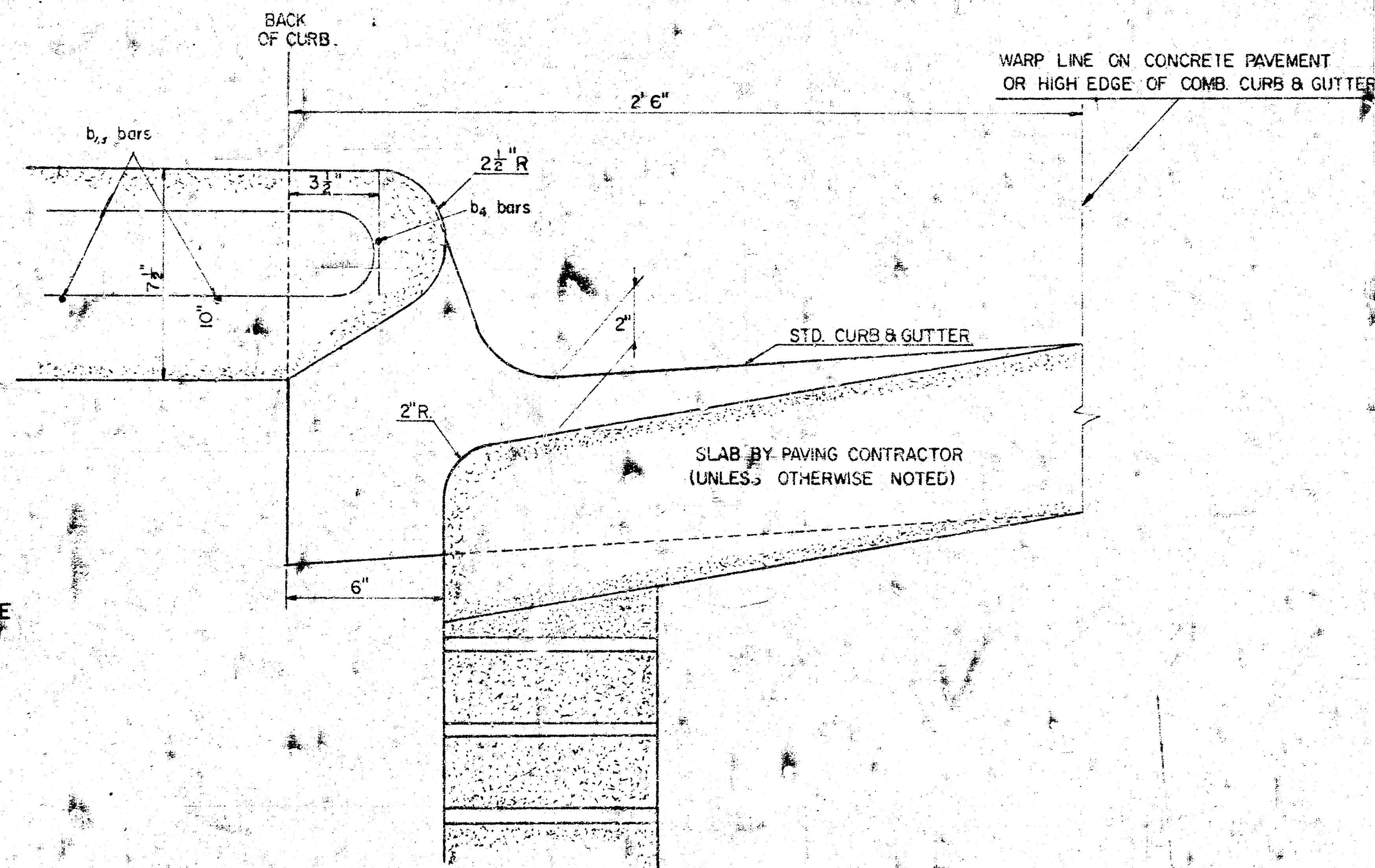
*GROSS VOLUME

CONCRETE TOPS TO BE INSTALLED ON TRIN. MORTAR CUSHION TO INSURE FULL SUPPORT ALONG BRICK WALLS. CONCRETE TOPS MAY BE CAST IN PLACE OR PRECAST CONCRETE FOR INLET TOPS AND FLOORS SHALL BE 6 SACK PAVING MIX.



SEE SEWER APPURTENANCES DETAIL SHEET FOR MANHOLE COVER

SECTION B-B
SCALE: 3"=1'0"



THIS TYPE INLET TO BE USED WHEN PAVEMENT IS ASPHALT PAVEMENT WITH CONCRETE BASE AND/OR WHEN PAVEMENTS HAVE FULL HEIGHT STANDARD CURBS.

SECTION C-C
SCALE: 1"=1'0"

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.

DETAIL
STANDARD CURB INLET-TYPE I
CITY OF WICHITA, KANSAS
R. W. LINN-CITY ENGINEER
FEBRUARY, 1975