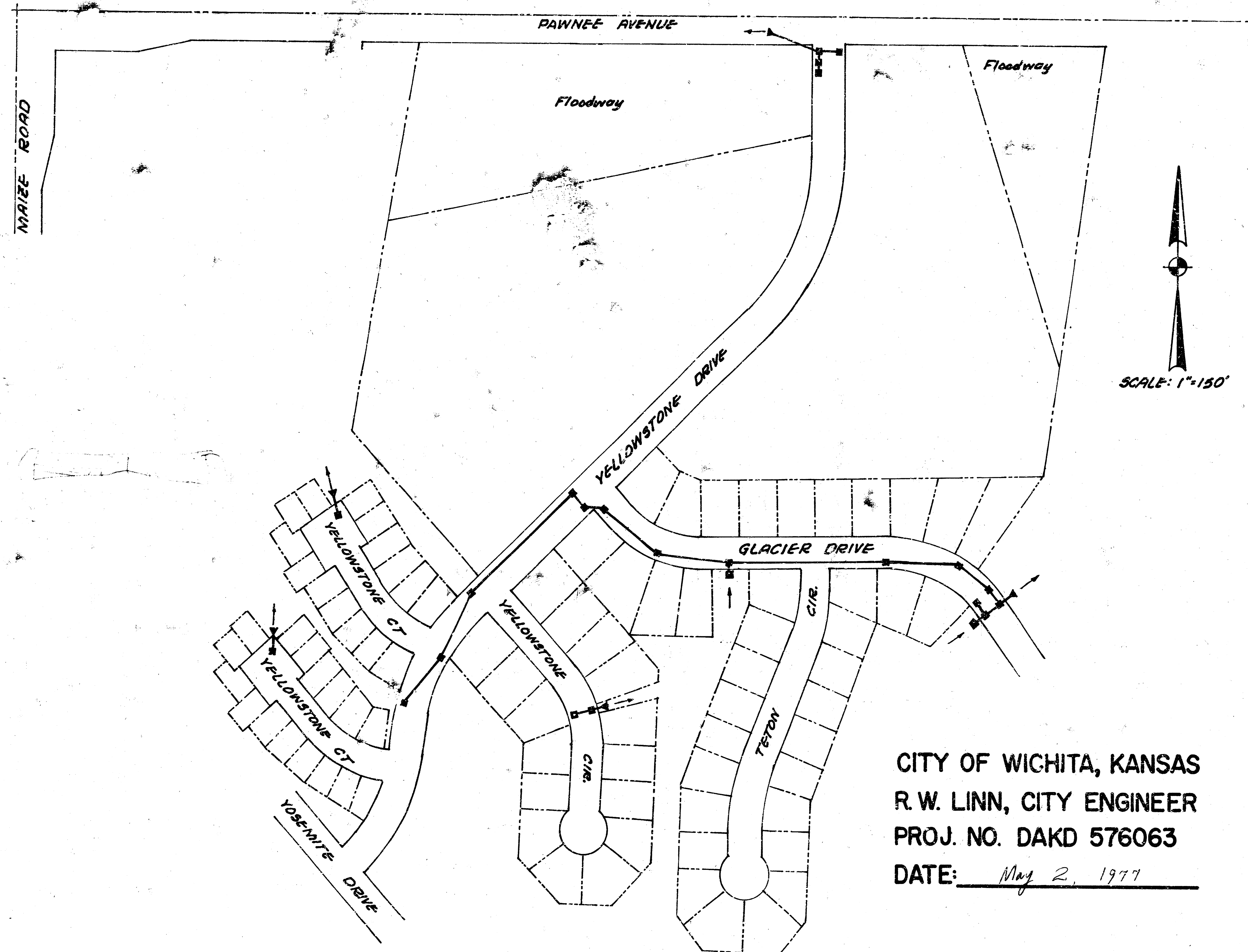


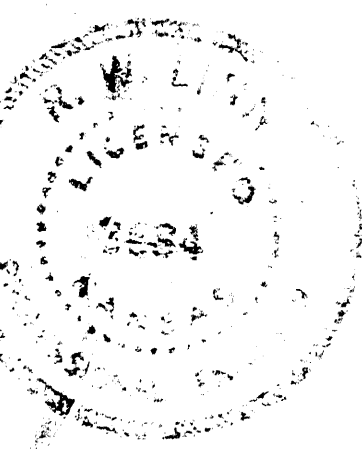
# DRAINAGE IN CONNECTION WITH YELLOWSTONE DRIVE PAVING (THE PARK ADDITION)



| 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                                              |

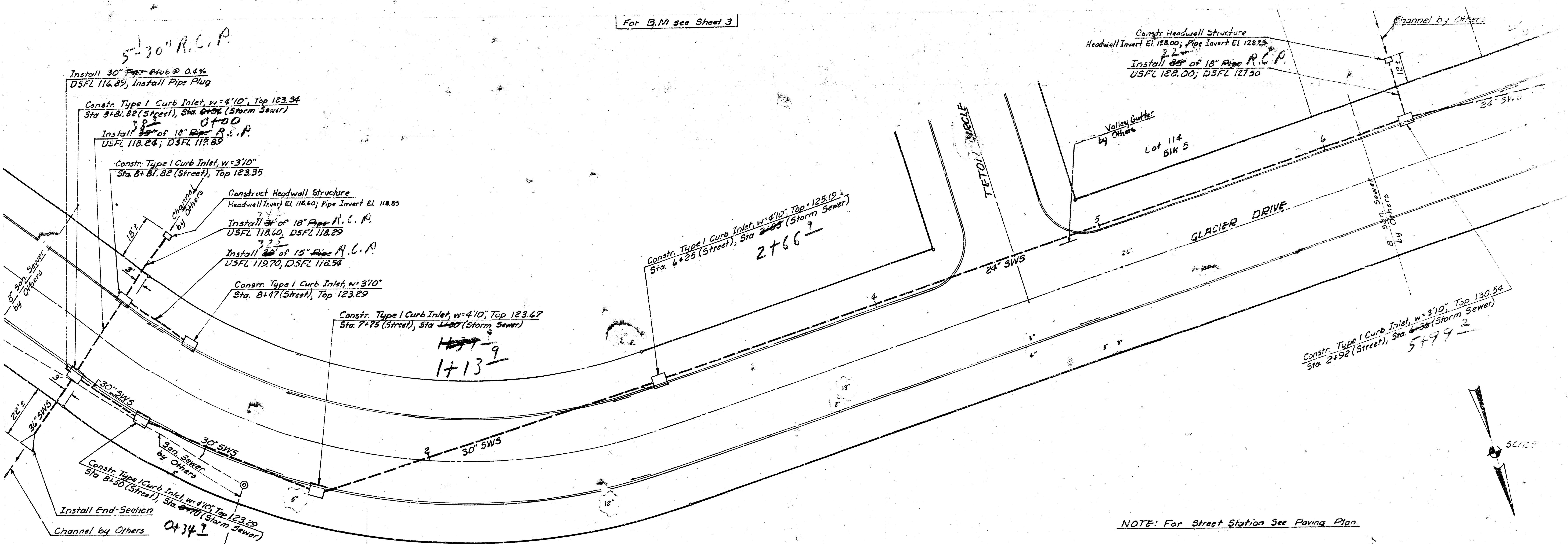
- GENERAL NOTES
1. ALL EXCESS EXCAVATED MATERIAL FROM CONSTRUCTION OF CHANNEL (SEE SHEET 6) BETWEEN STATION NOS. 0+00 AND 0+55 SHALL BE USED TO FILL THE LOW AREAS IN THE VICINITY OF THE 24" PIPE BETWEEN STATION NOS. 0+55 AND 1+10 FLAGGED AS FILL, SEE SHEET 6. FILL IN LOW AREAS WILL REQUIRE COMPACTION 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~~ <sup>BE</sup> 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

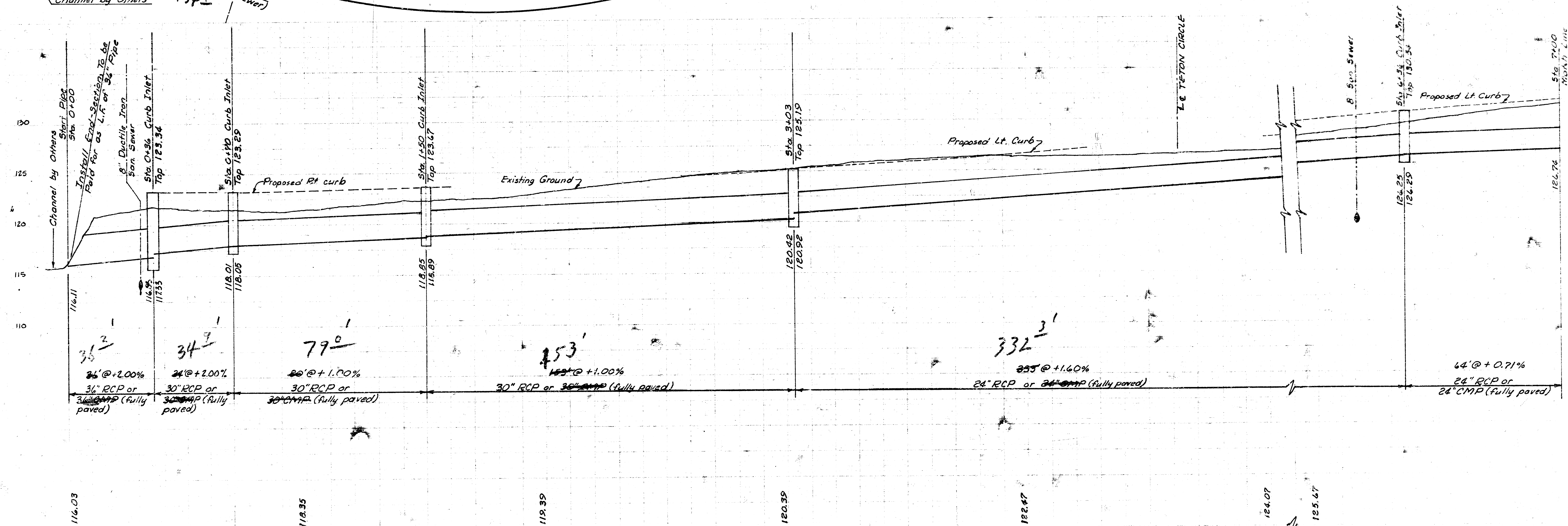


As built 5-12-78

For B.M see Sheet 3

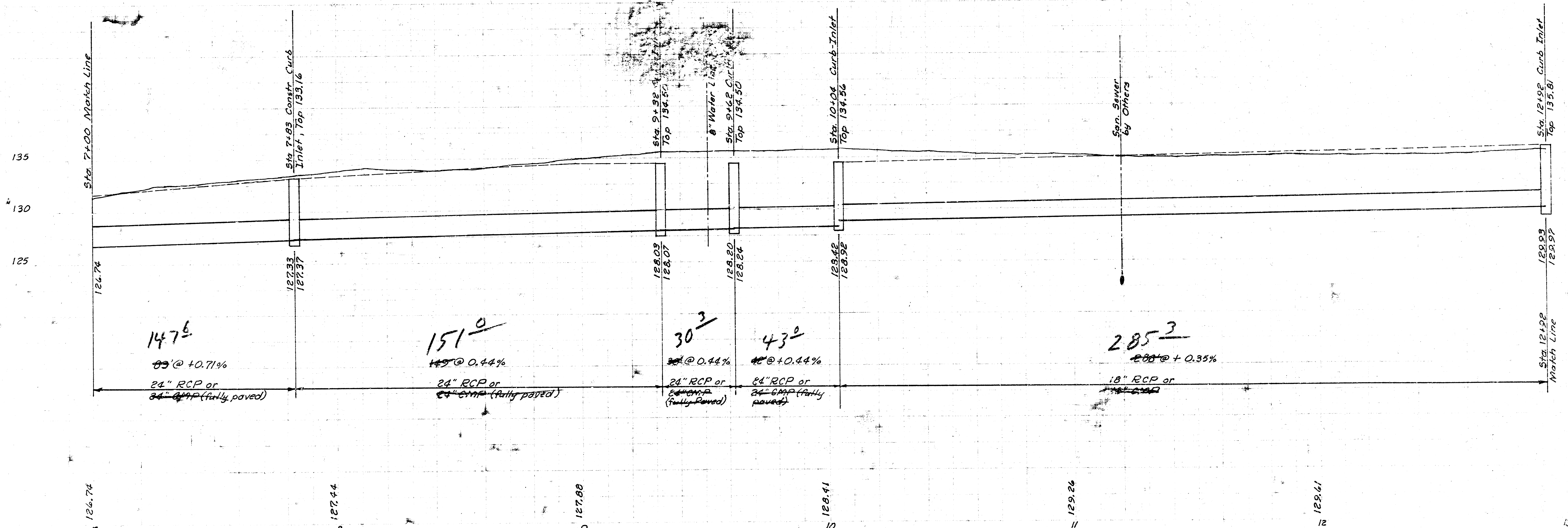
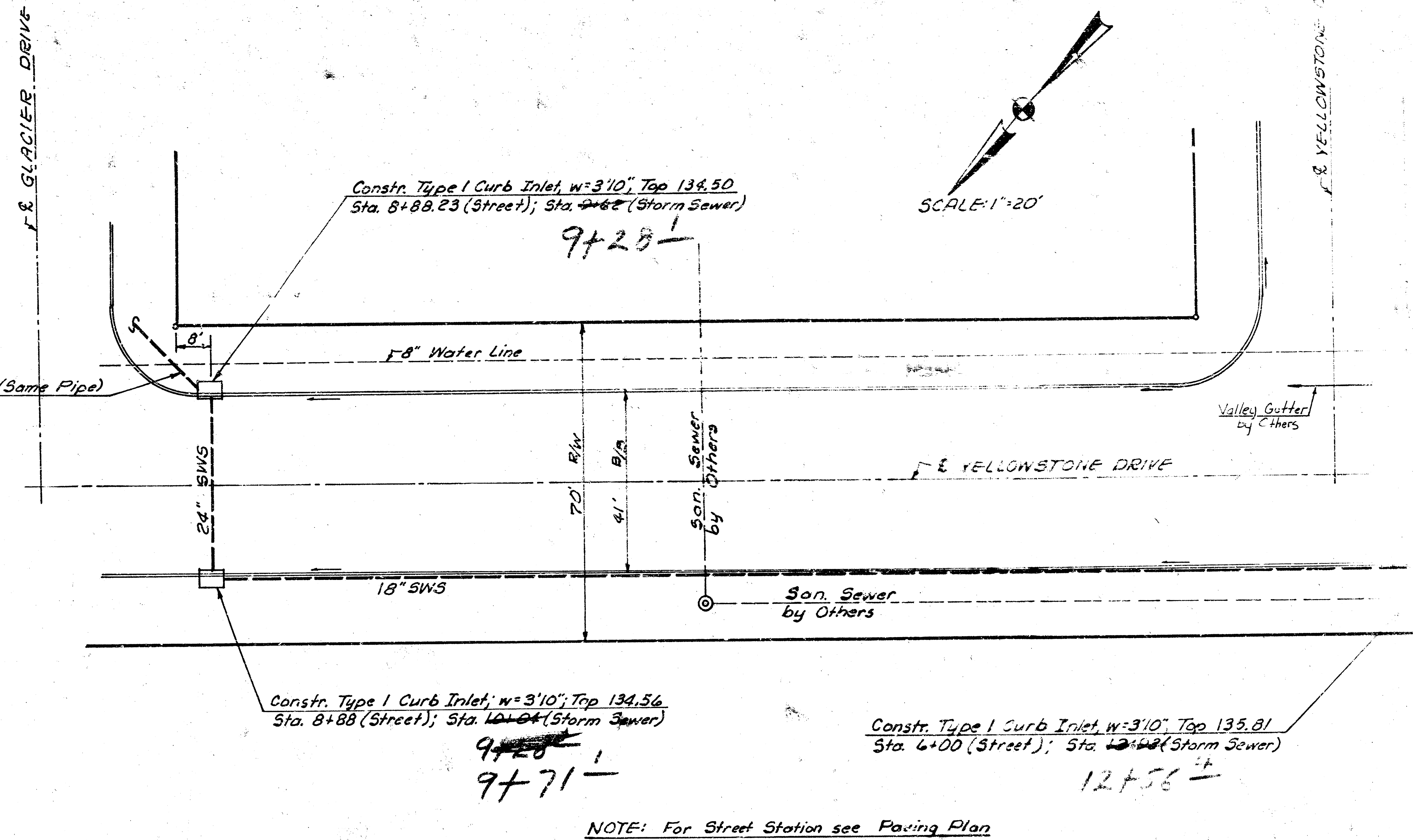
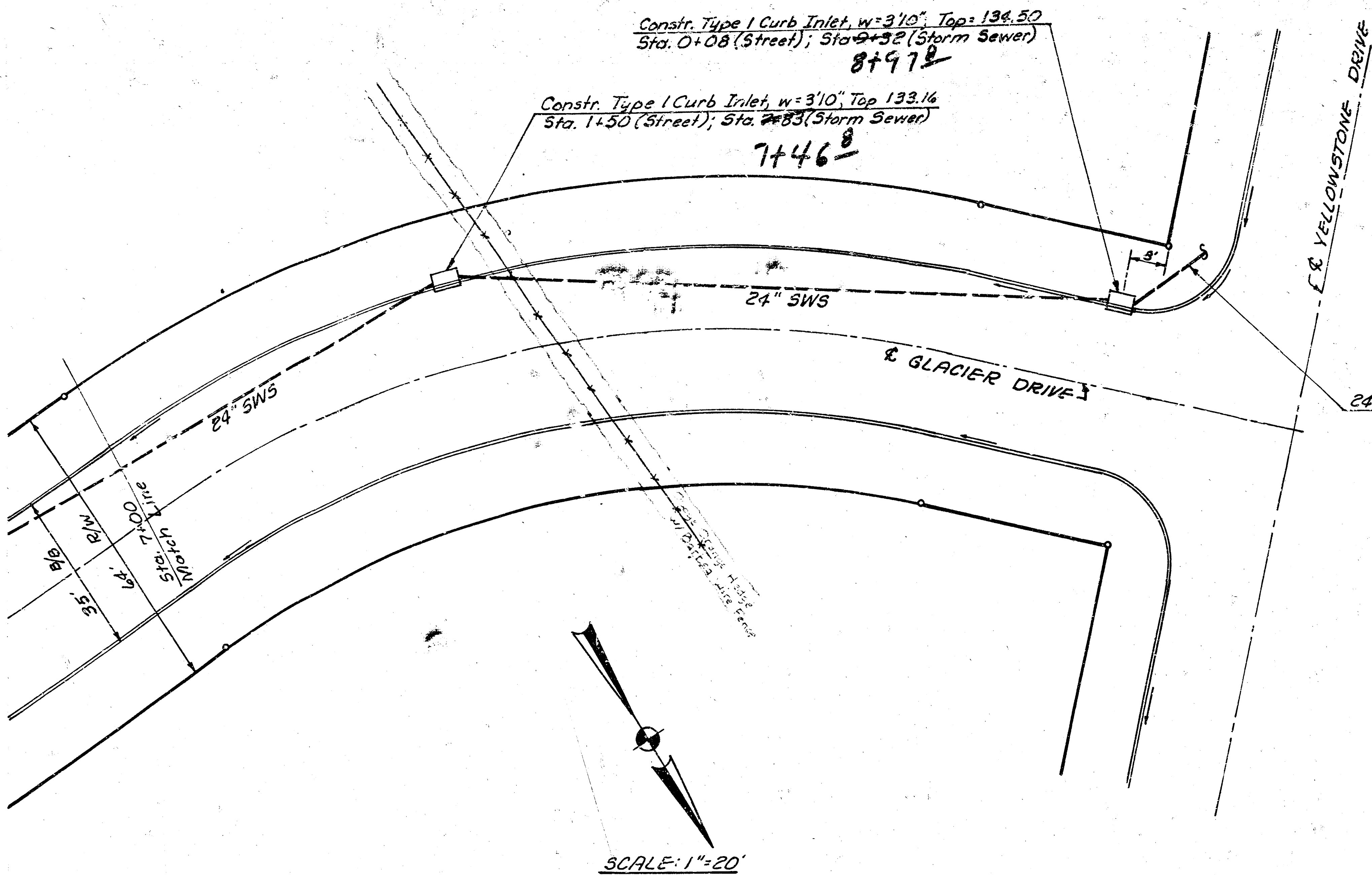


NOTE: For Street Station See Paving Plan.



BM 144.0) R.R. Spike E-Side R.P. E.S. Maize Rd.  
@ S.L. Shenandoah Court.

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



For B.M. see Sheet 3

Scale: 1"=20'

Type 1  
Constr. Curb Inlet,  $w = 3'10"$ , Top 136.04  
Sta. 4+52 (Street), Sta. ~~4+40~~ (Storm Sewer)

$$14 + 10^8$$

YELLOWSTONE DRIVE

Valley Gutter  
by Others

NOTE: For Street Station See Paving Plan.

YOSEMITE DR

Lot 80  
Bik 2

154222

San. Sewer M.H. Top 138.0, Rk 128.79

Proposed Rt Curb

Existing Ground

Proposed Lt Curb

154 <sup>4</sup>

1112

50' @ +0.35%  
18" RCP ~~18" CMP~~

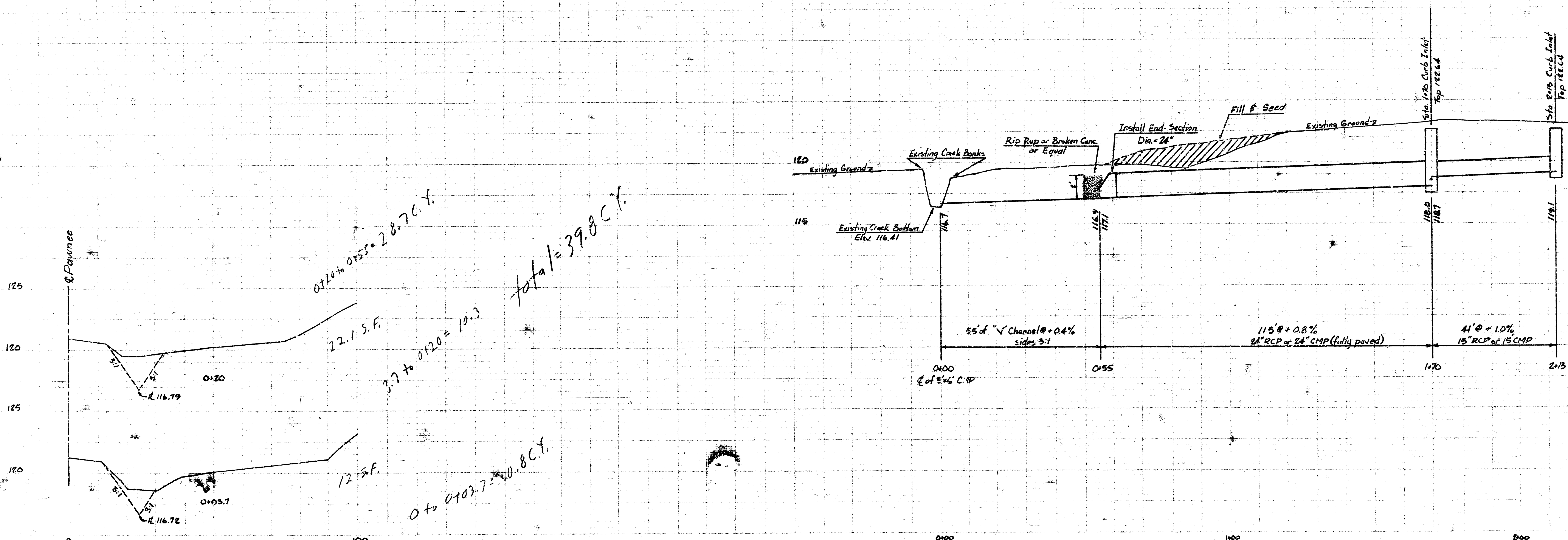
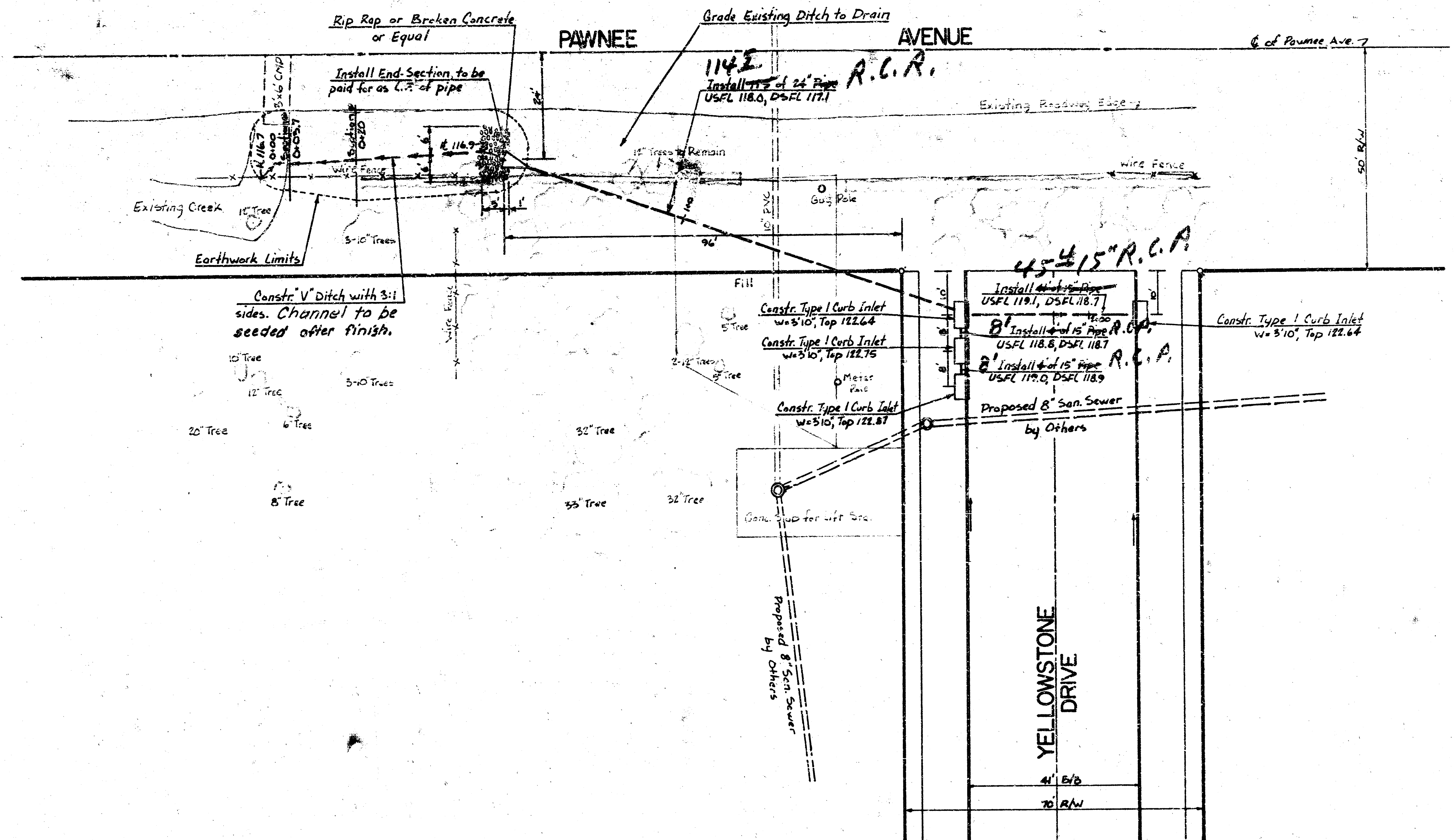
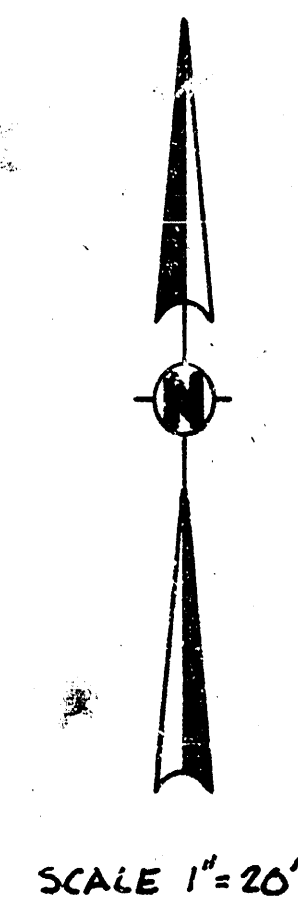
115 @ +0.88%  
15" RCP or 15" CMP

130.00

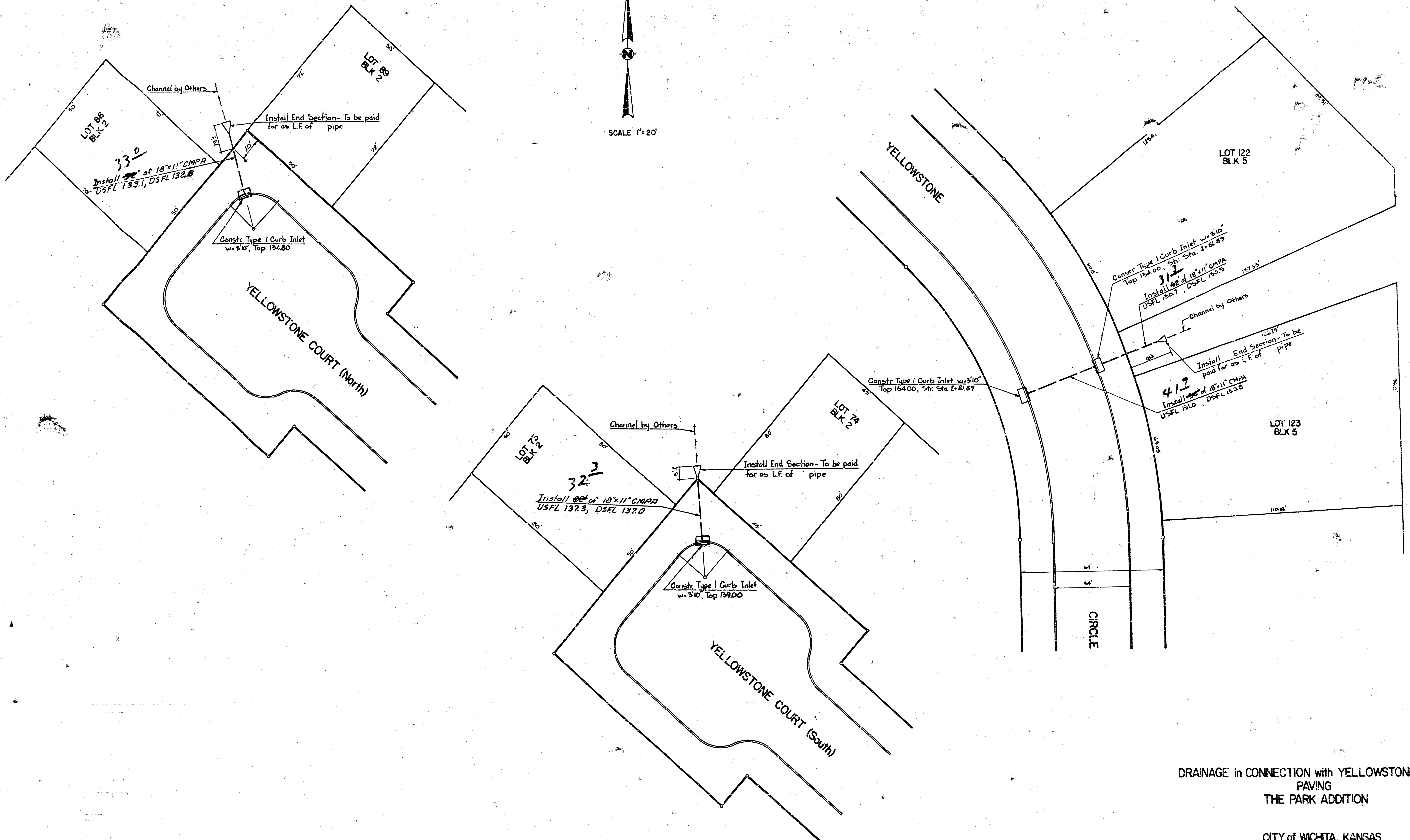
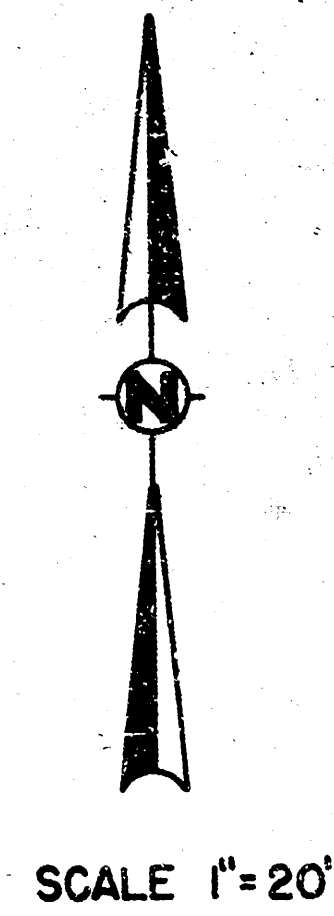
130.35

131.26

For Bench Marks see Sheet 3



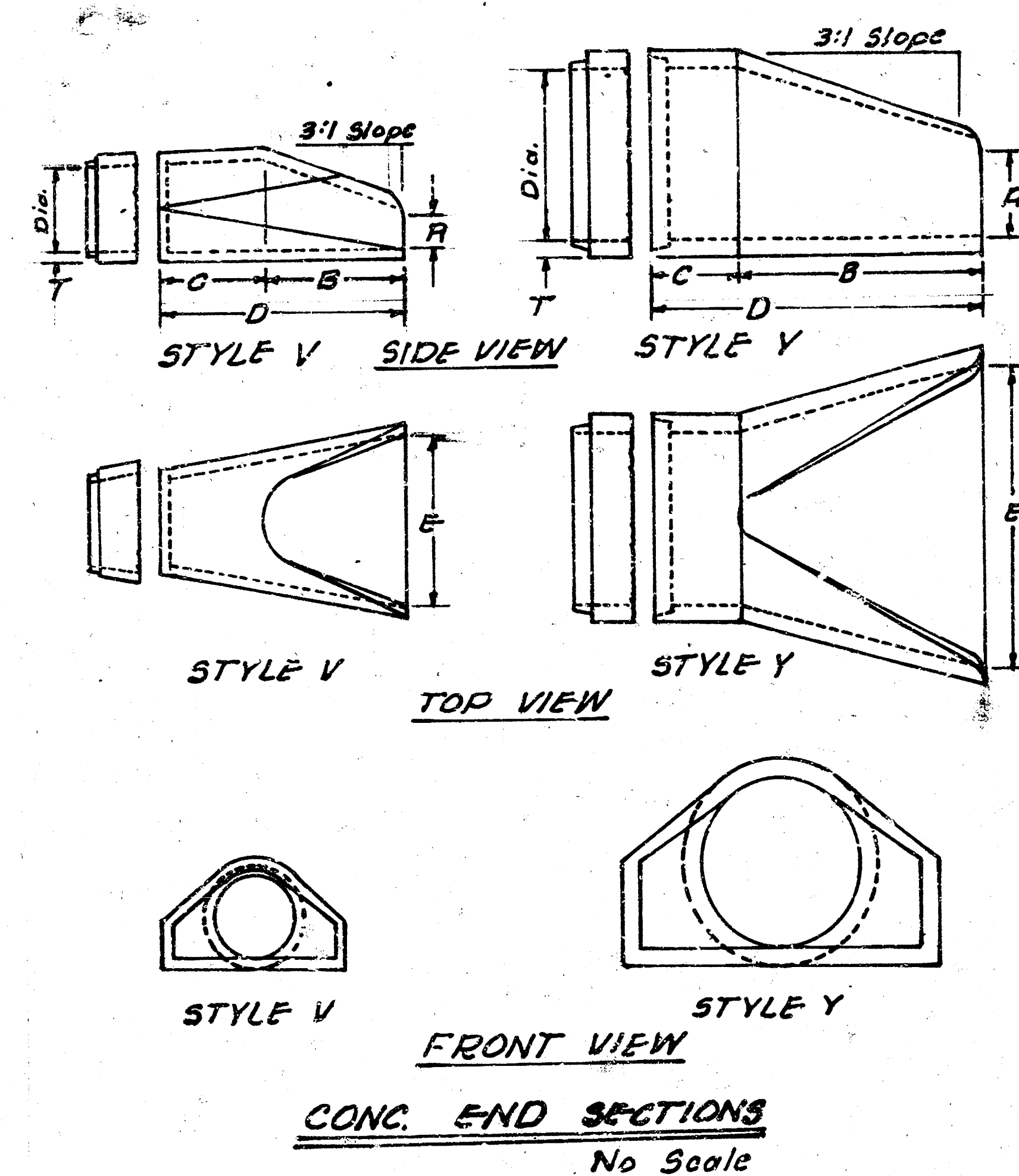
For BM see Sheet 3



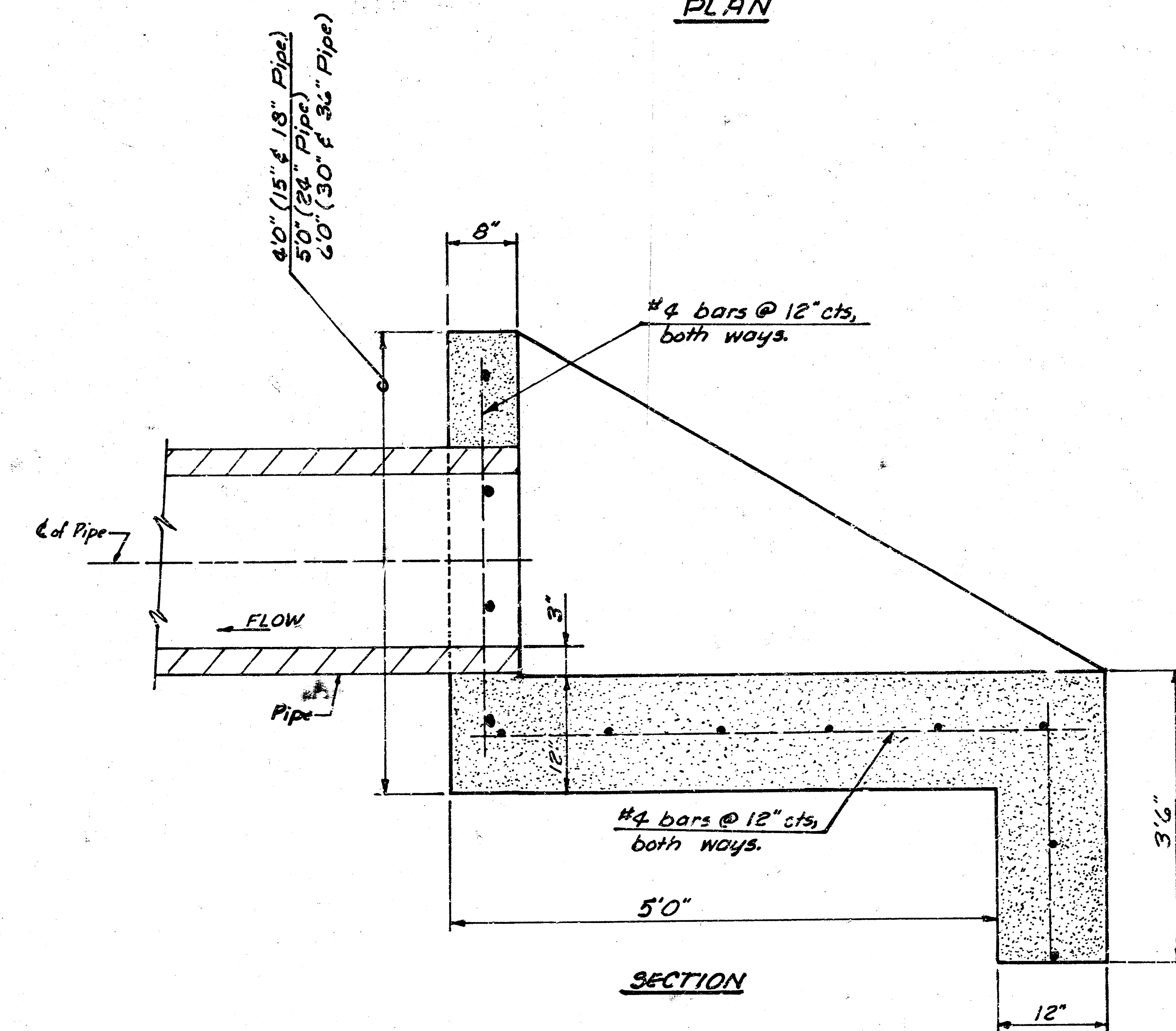
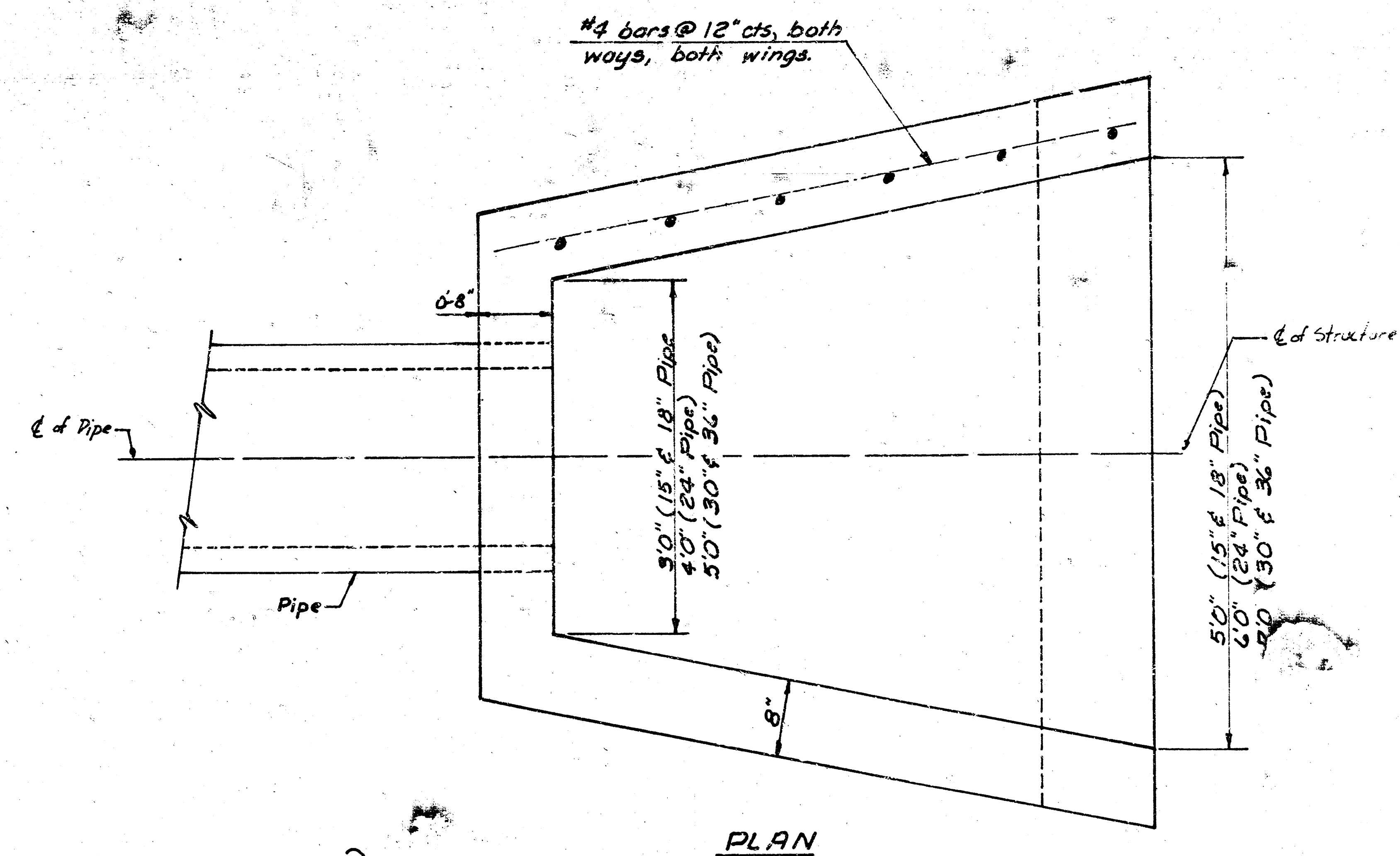
DRAINAGE in CONNECTION with YELLOWSTONE DRIVE  
PAVING  
THE PARK ADDITION

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

NOTE: See Paving Plan for Additional  
Lay Out Information

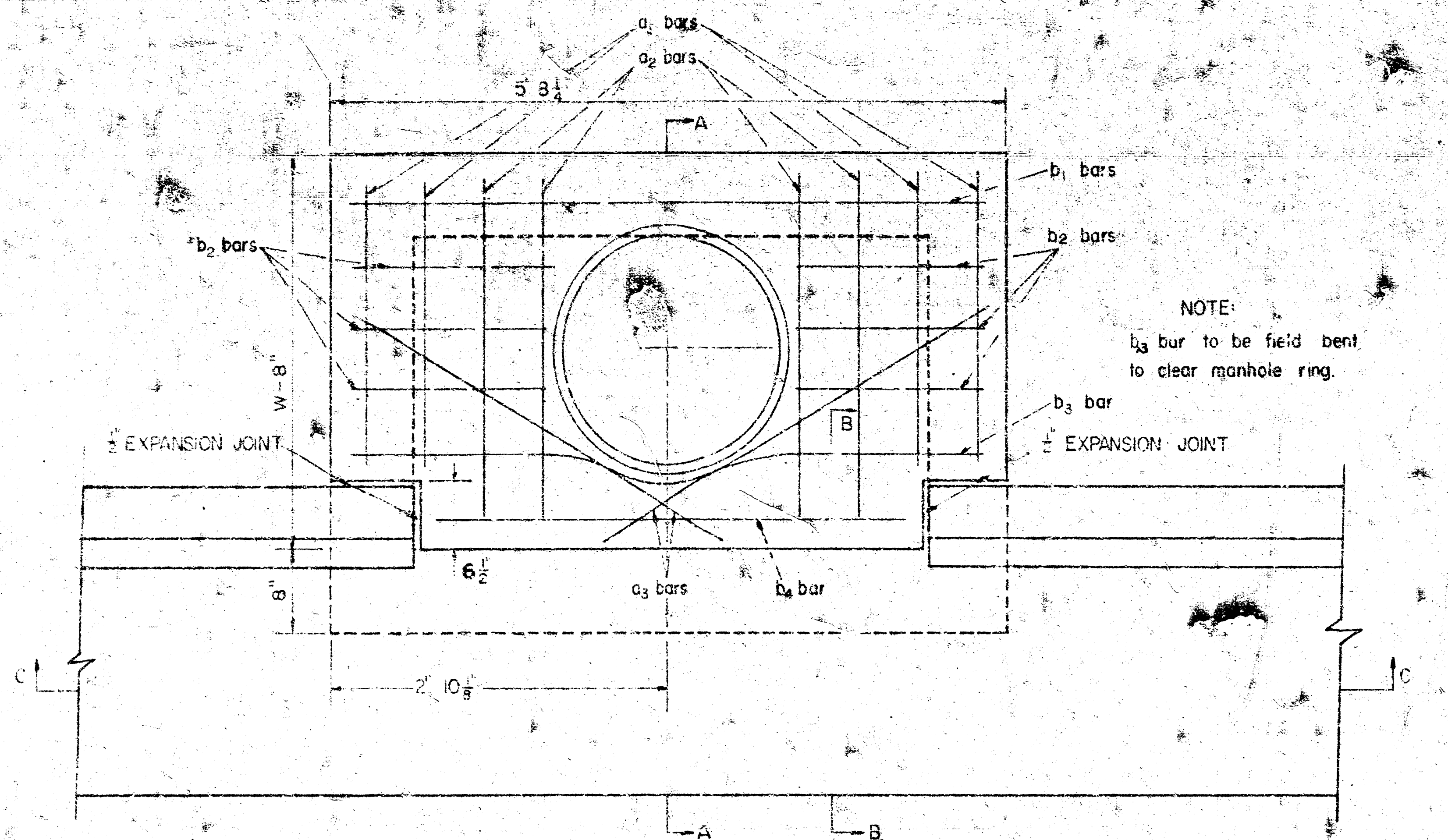


| Dia | T      | STYLE | R      | B     | C     | D    | E    |
|-----|--------|-------|--------|-------|-------|------|------|
| 15" | 2 1/4" | V     | 7 1/2" | 1'10" | 3'2"  | 5'0" | 2'4" |
| 18" | 2 1/2" | V     | 9"     | 2'3"  | 3'10" | 6'1" | 3'0" |
| 24" | 3"     | V     | 9 1/2" | 3'8"  | 2'6"  | 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"



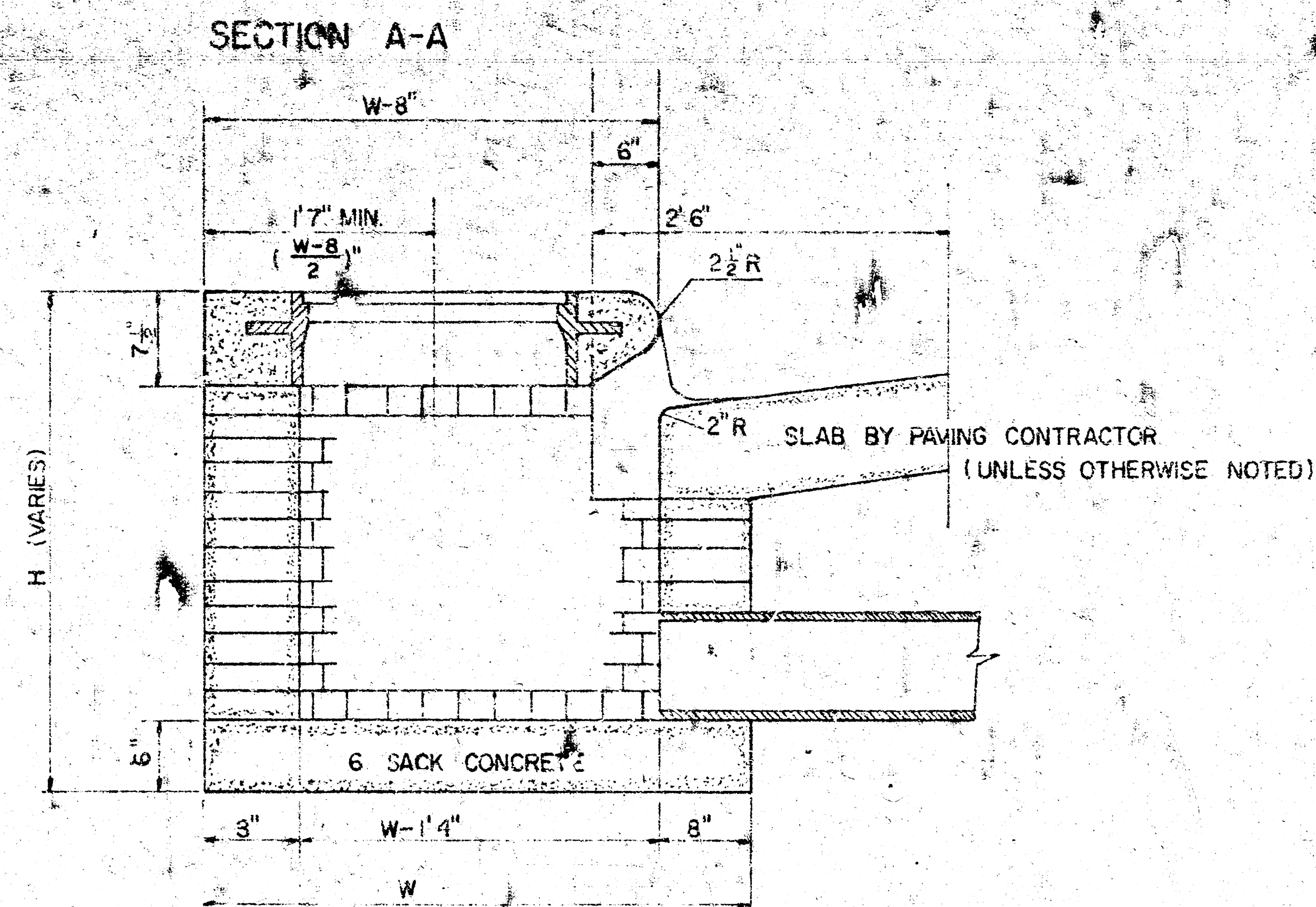
PLAN  
SCALE: 1"=1'0"

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

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

| BAR    |         | a <sub>1</sub> | a <sub>2</sub> | a <sub>3</sub> | b <sub>1</sub> |        |        | b <sub>2</sub> | b <sub>3</sub> | b <sub>4</sub> | Wt. Lbs. |
|--------|---------|----------------|----------------|----------------|----------------|--------|--------|----------------|----------------|----------------|----------|
|        |         |                |                |                | W=3'0"         | W=4'0" | W=5'0" |                |                |                |          |
| SIZE   |         | #4             | #4             | #4             | #4             | #4     | #4     | #4             | #4             | #6             |          |
| 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: A<sub>2</sub> BARS TO BE PLACED APPROXIMATELY 2" BELOW TOP OF INLET COVER

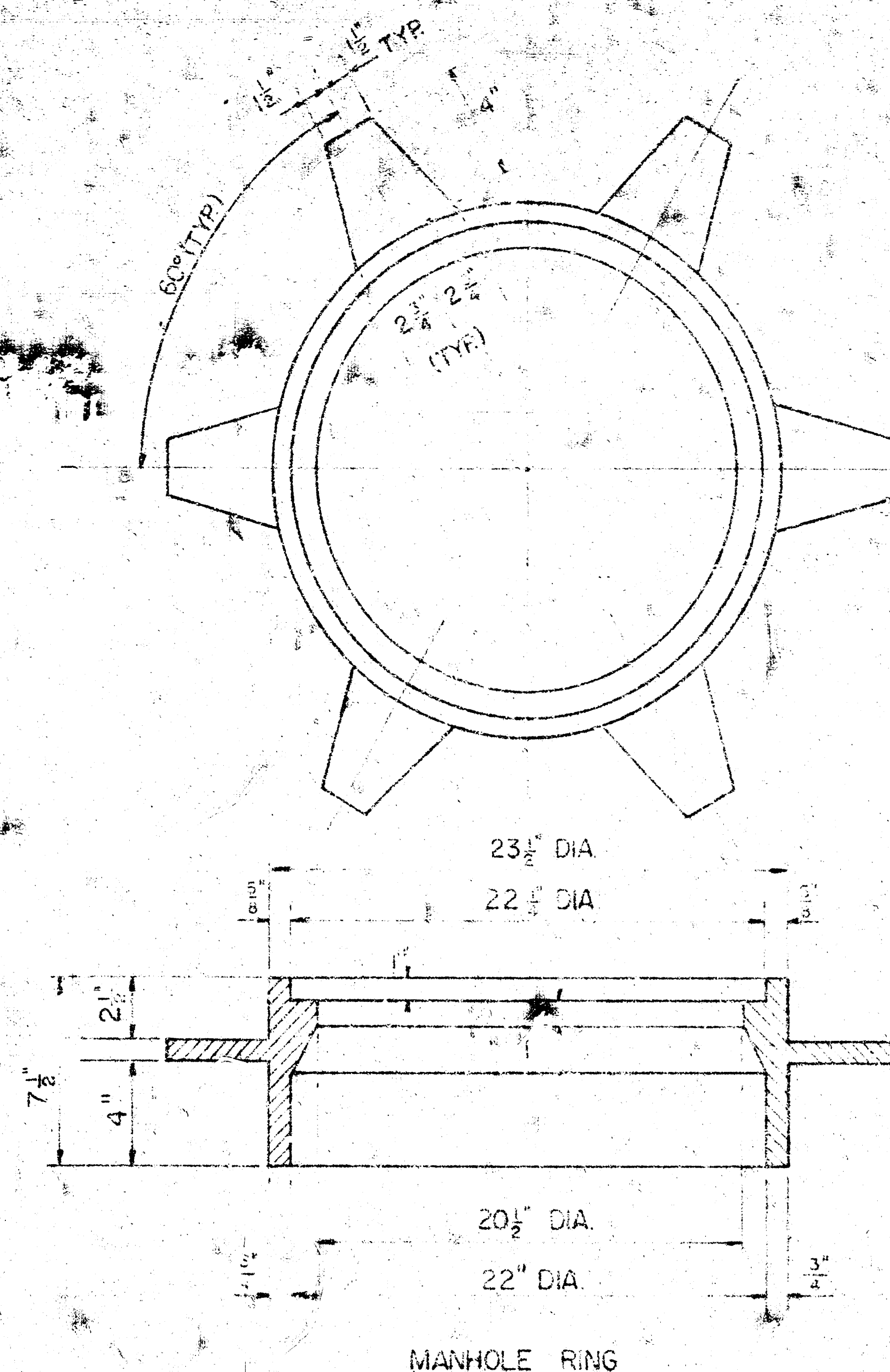


SECTION A-A  
SCALE: 1"=1'0"

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

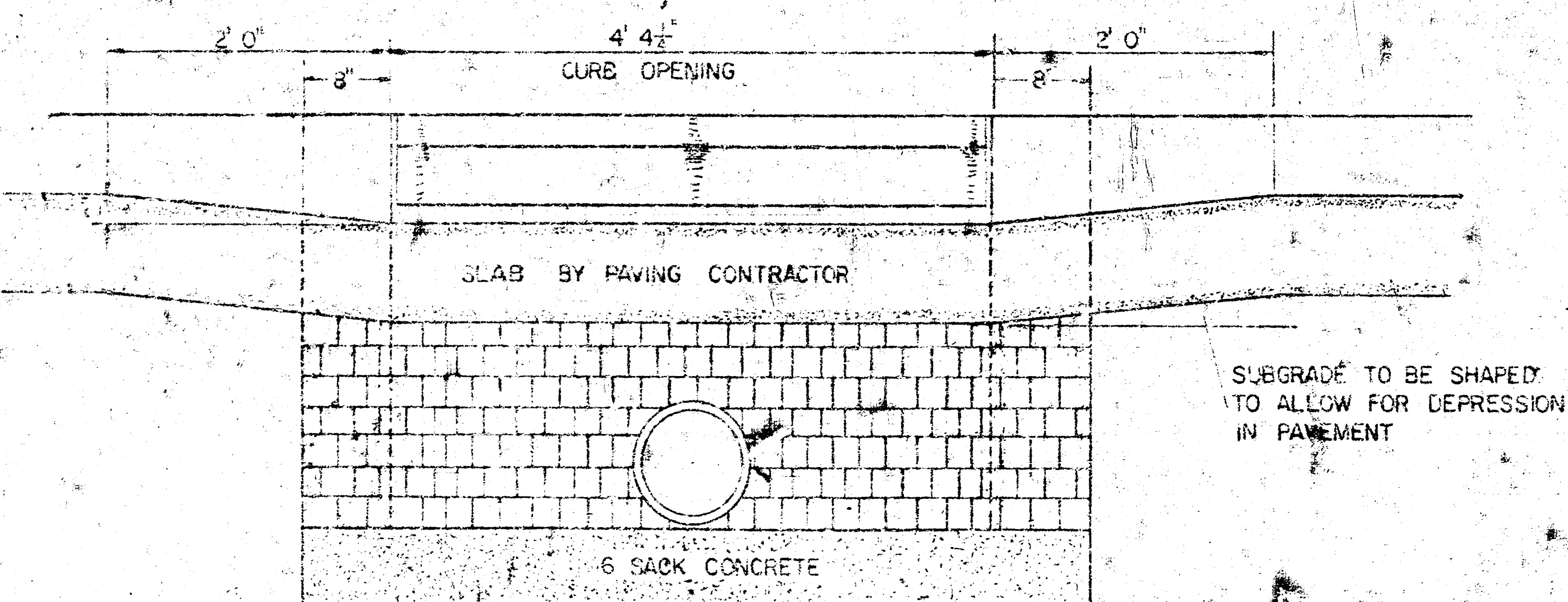
\*GROSS VOLUME

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.



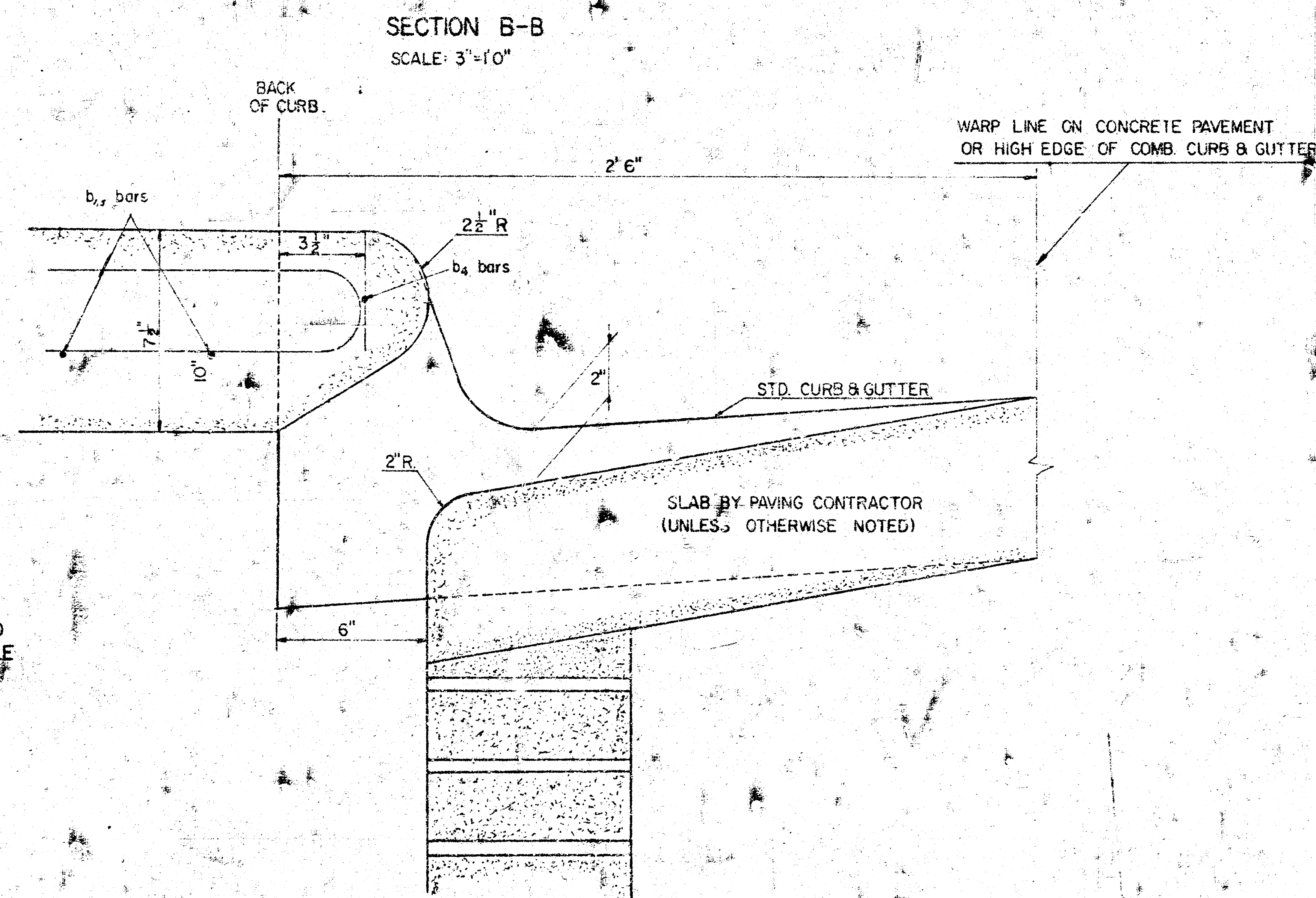
MANHOLE RING

SEE SEWER APPURTENANCES DETAIL  
SHEET FOR MANHOLE COVER



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.



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

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