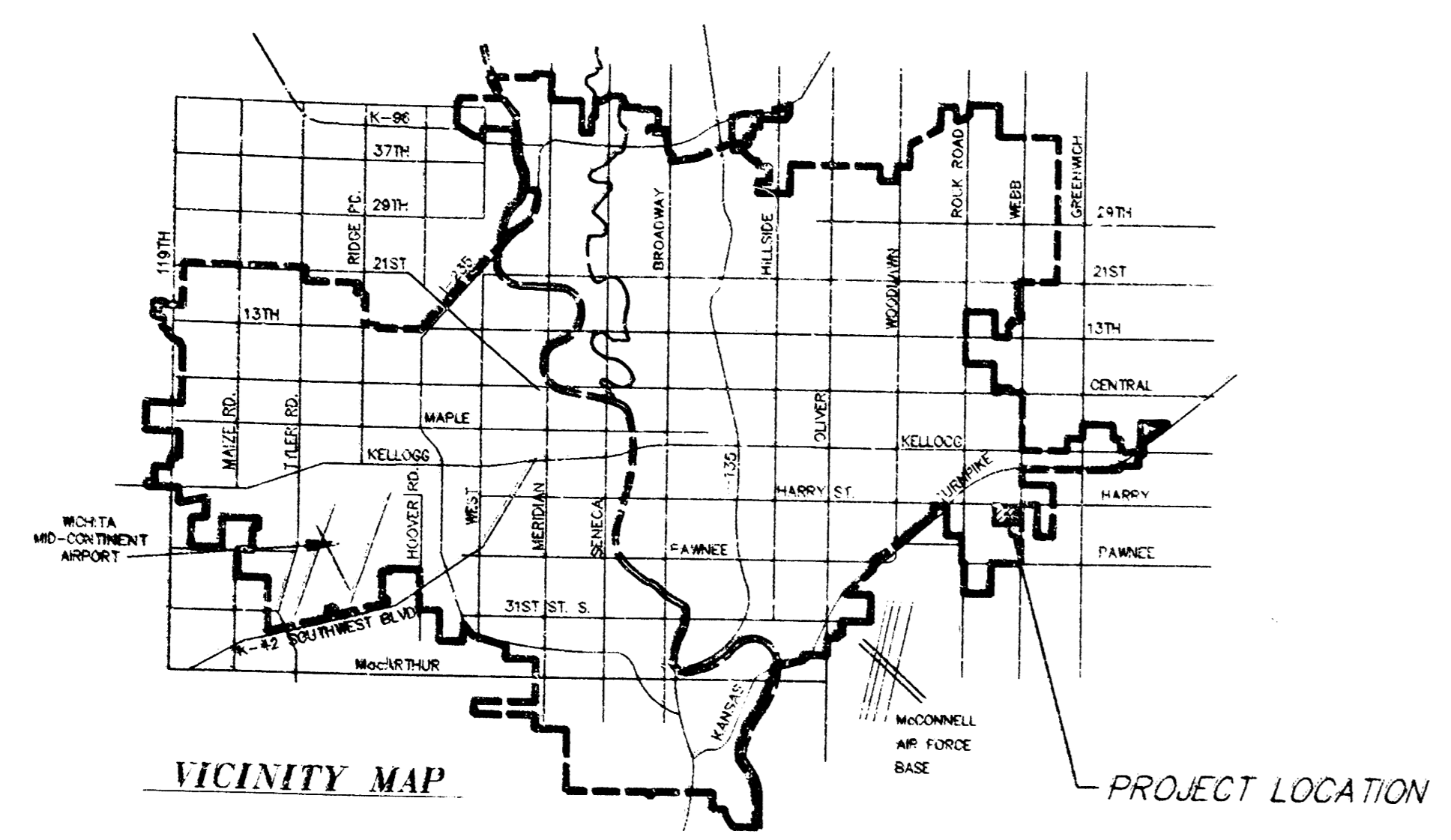
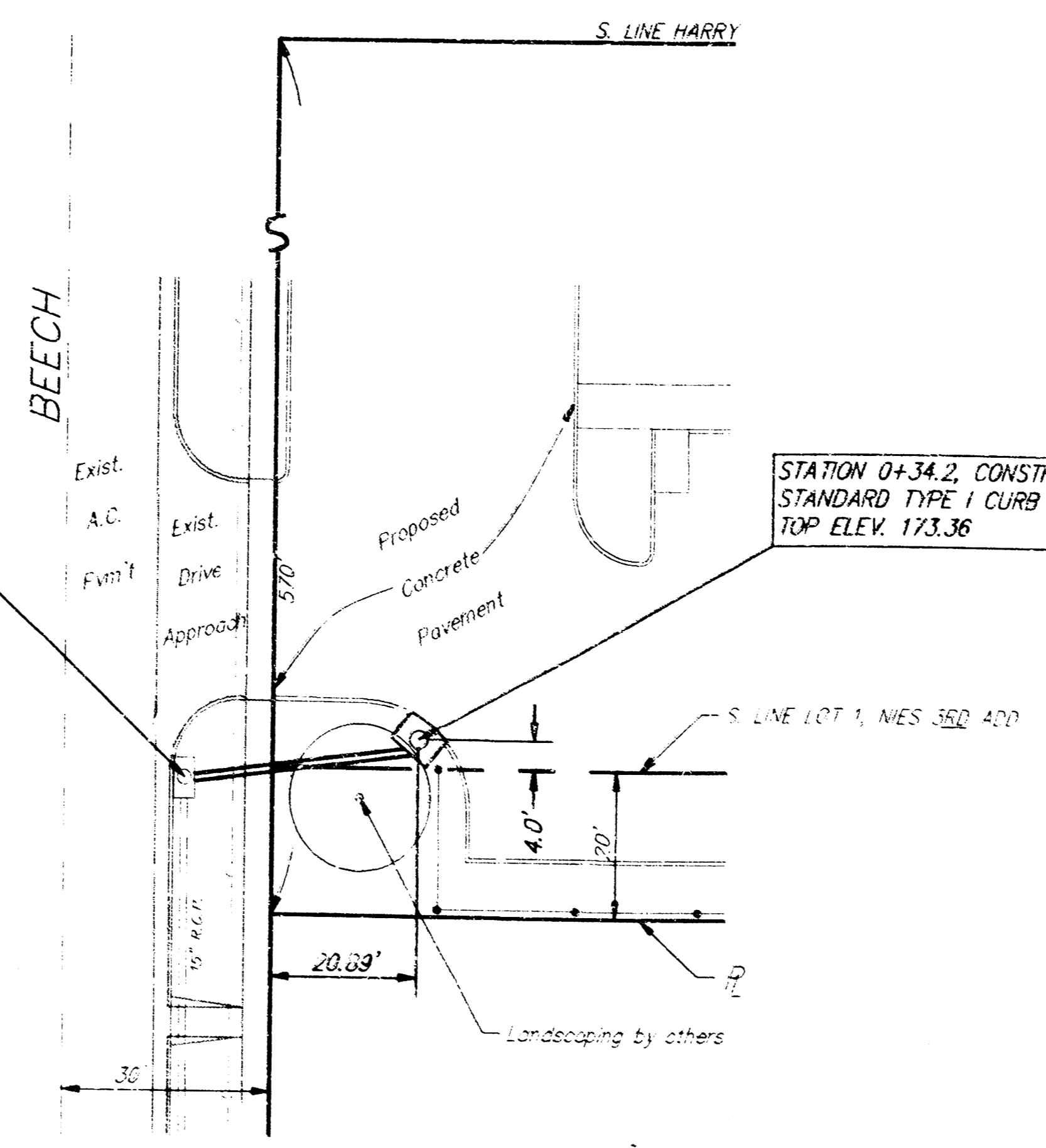


**BENCH MARK:**  
 CITY OF WICHITA DISC AT NW CORNER  
 HARRY & WEBB, SE OF TRAFFIC SIGNAL POLE  
 ELEVATION = 171.64 CITY DATUM



STATION 0+00, CONNECT  
 TO EXISTING INLET AND  
 BEGIN 15" R.C.P.

STATION 0+34.2, CONSTRUCT  
 STANDARD TYPE 1 CURB INLET  
 TOP ELEV. 173.36



SCALE:  
 1"=20' PLAN  
 1"=5' PROFILE

**RUNOFF (BY RATIONAL METHOD):**

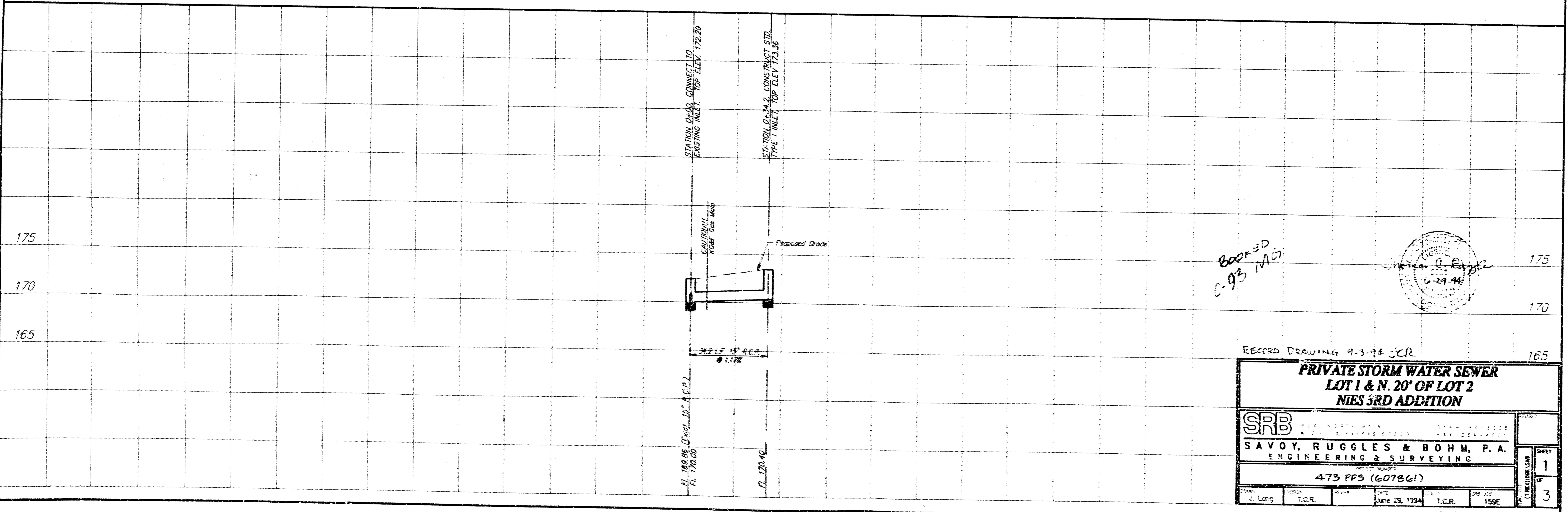
D.A. = 1.02 Acres	$T_c = 15$ minutes
$C_p = 0.85$	$i_{100} = 7.37$ in.
$Q_s = 4.56$ cfs	$Q_{100} = 6.4$ cfs
$Q_2 = 3.9$ cfs	

APPROVED AS NOTED  
 BY CITY ENGINEER OF WICHITA

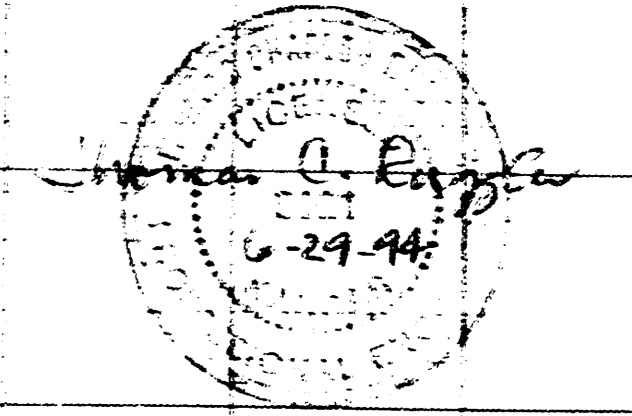
Sanitary Sewers \_\_\_\_\_  
 Storm Sewers VRH 6/29/94  
 Driveway Approaches \_\_\_\_\_  
 Water Mains \_\_\_\_\_  
 Paving \_\_\_\_\_

NOTE TO CONTRACTORS

Inspection and testing for this project are to be provided by a Licensed Consulting Engineering Firm under contract with the Owner/Developer. City inspection to be in accordance with the City of Wichita standard construction engineering practices and certified by a Licensed Professional Engineer. No work shall be performed in dedicated easements or public right-of-way by the Contractor without such inspection, nor shall any work be commenced without written authorization by the City Engineer.



BOOKED  
 C-93 MLT



RECORD DRAWING 9-3-94 JCR

**PRIVATE STORM WATER SEWER  
 LOT 1 & N. 20' OF LOT 2  
 NIES 3RD ADDITION**

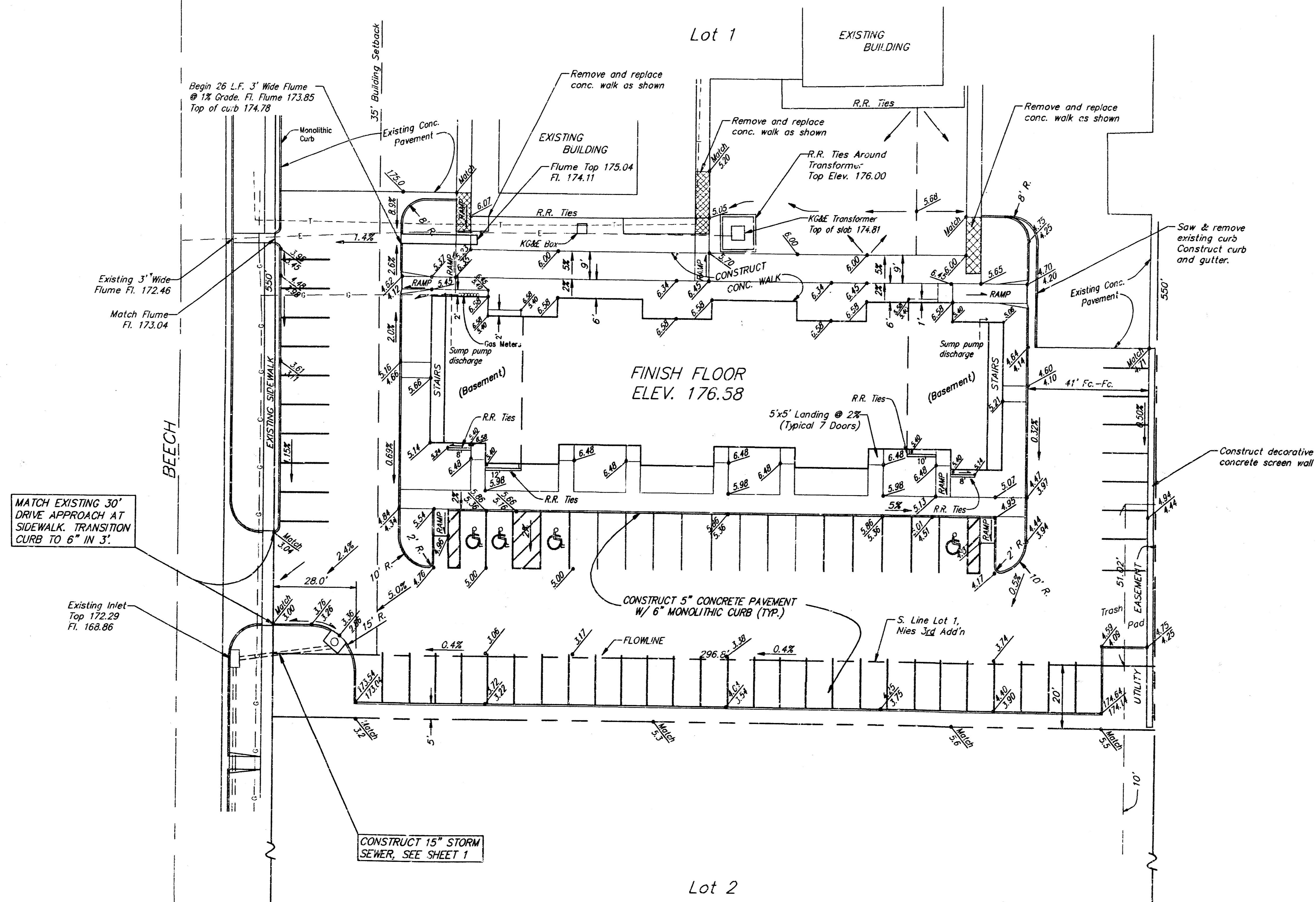
**SRB**  
 SAVOY, RUGGLES & BOHM, P.A.  
 ENGINEERING & SURVEYING

473 PPS (607861)

DESIGNER J. Long	CHECKED T.C.R.	DATE June 29, 1994	SCALE T.C.R.	SHEET NO. 159E
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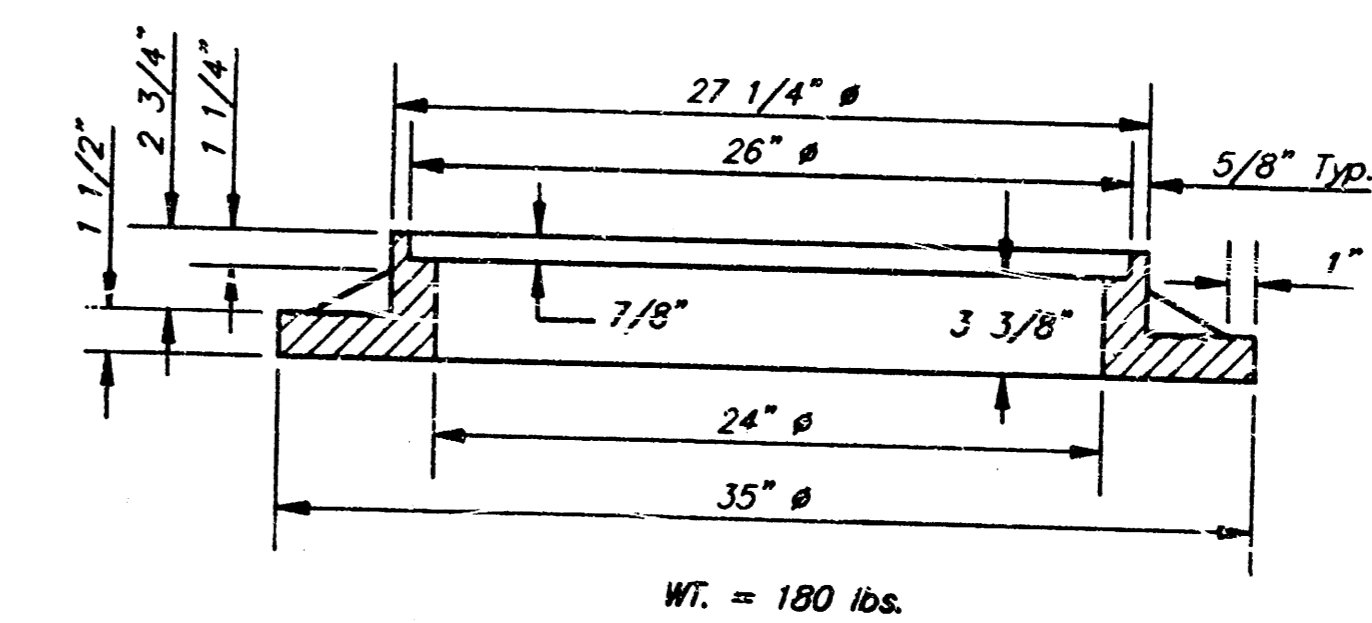
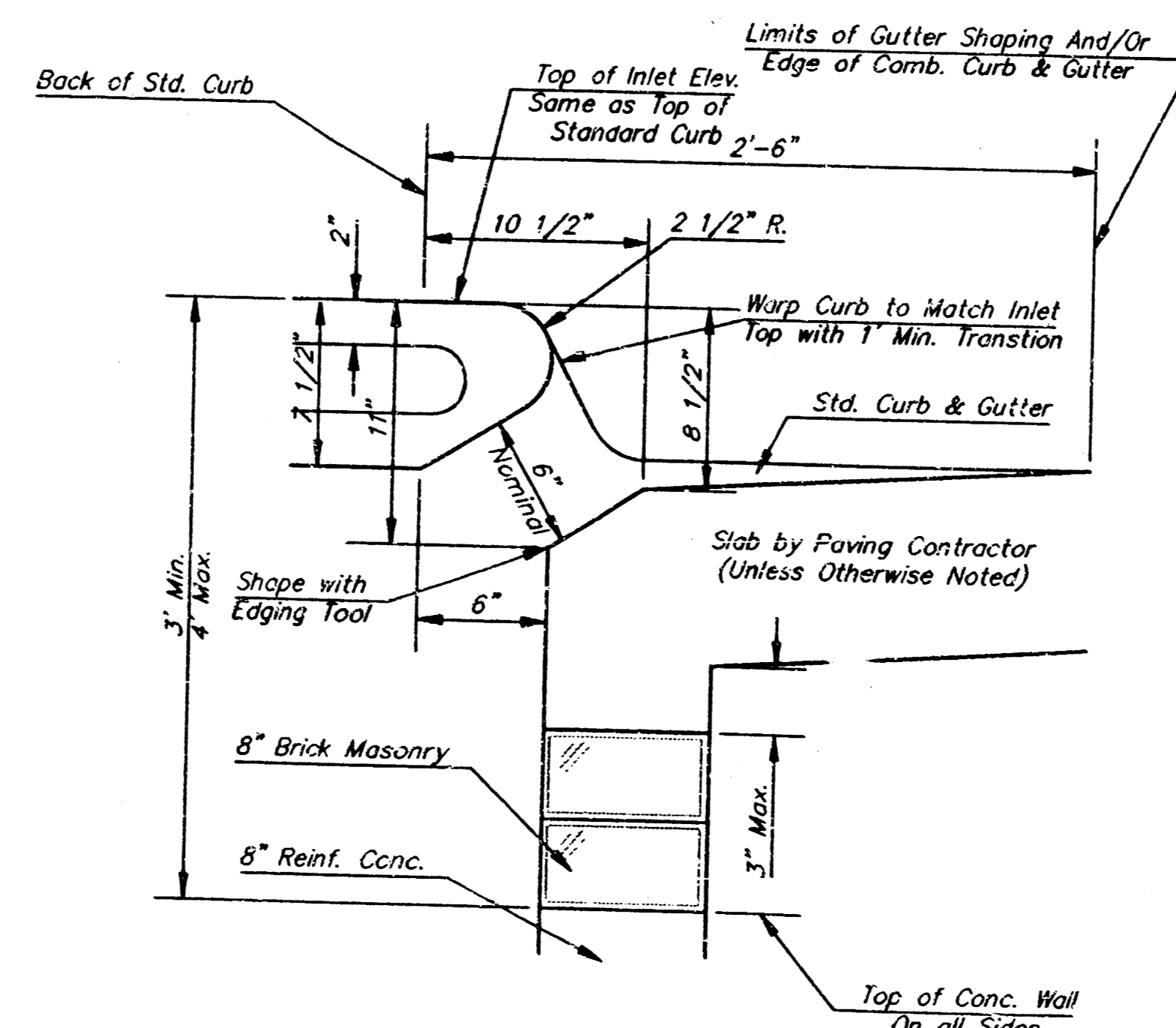
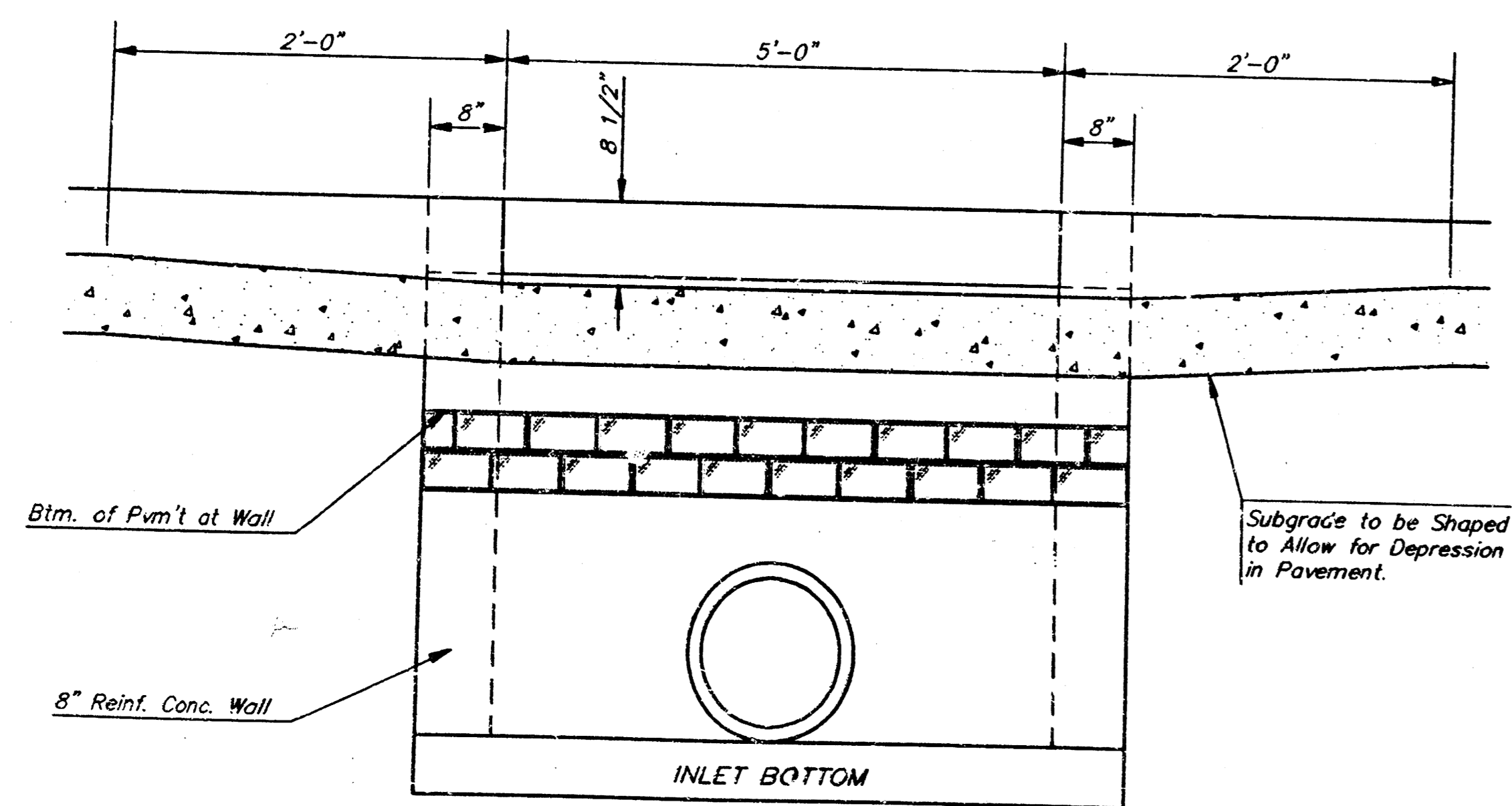
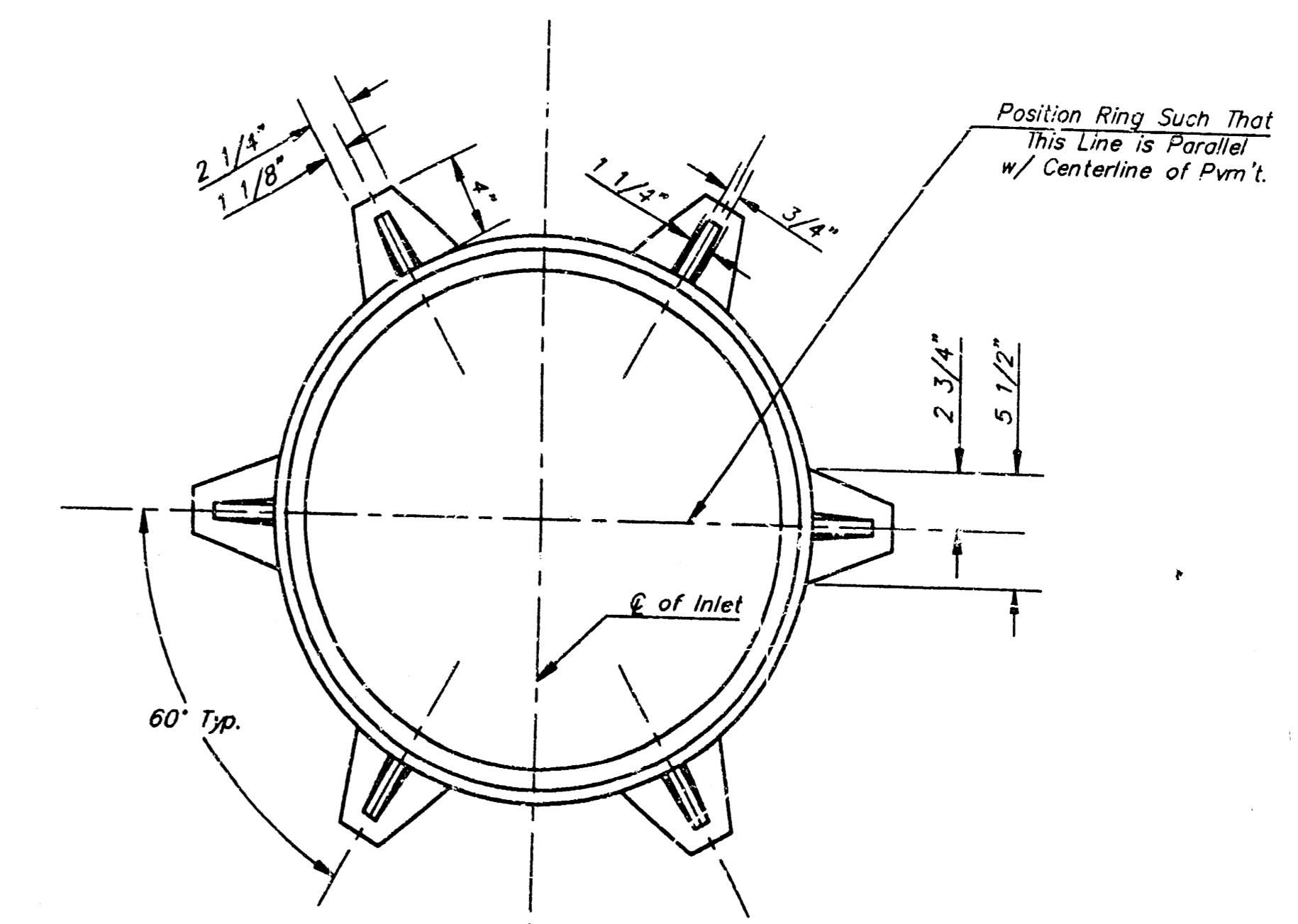
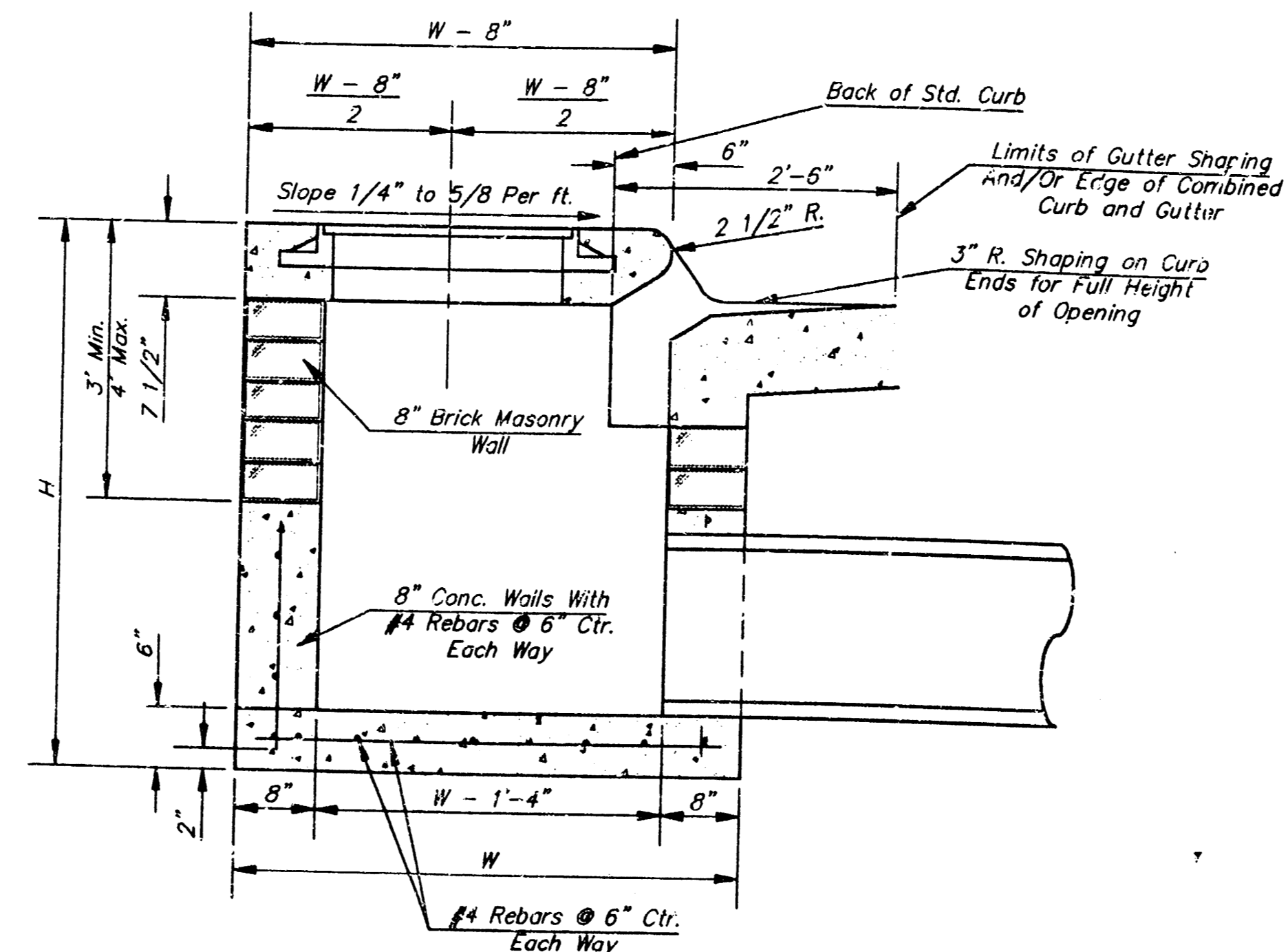
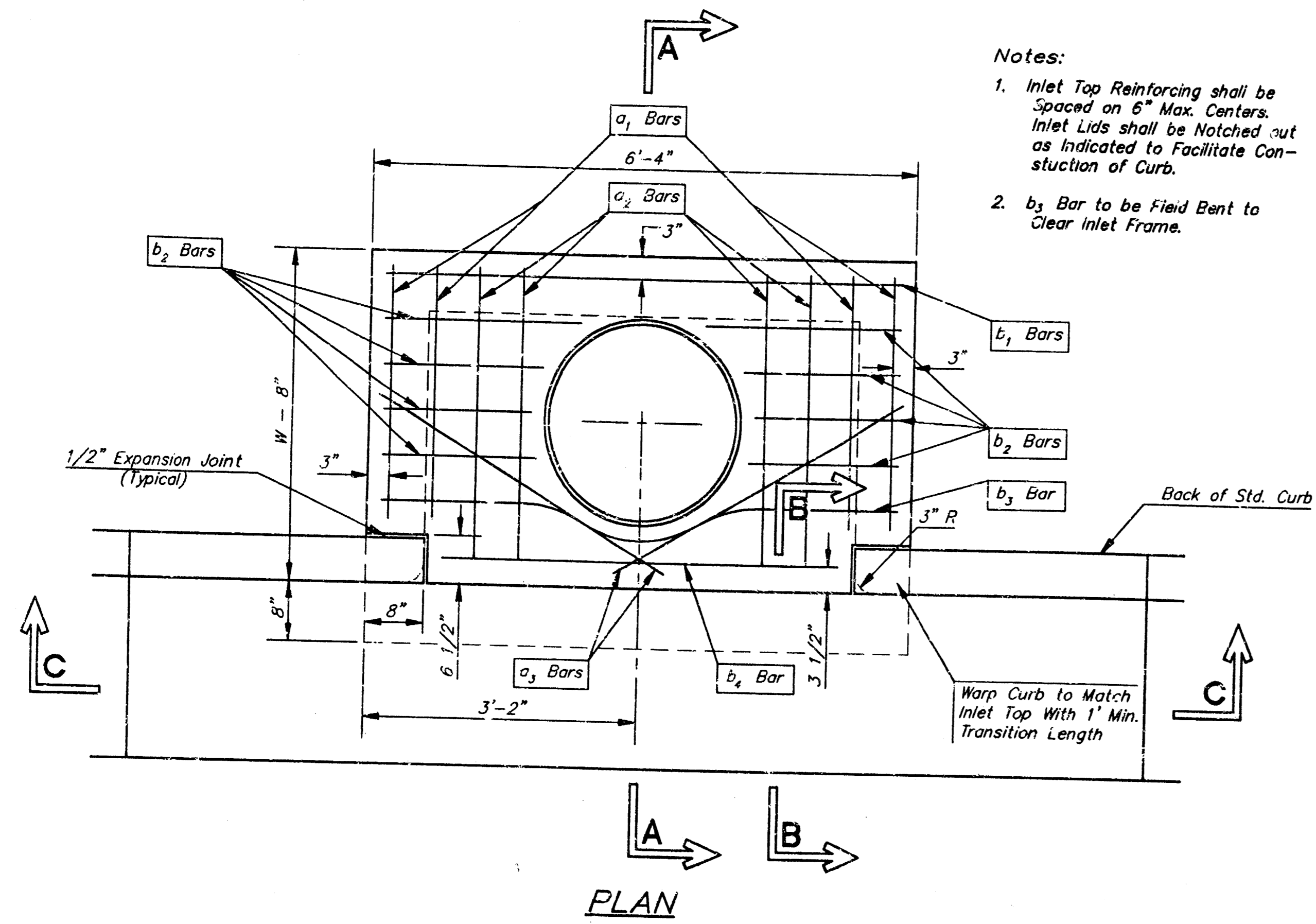
SHEET 1 OF 3

SRB SCALE: 1"=20'-0"



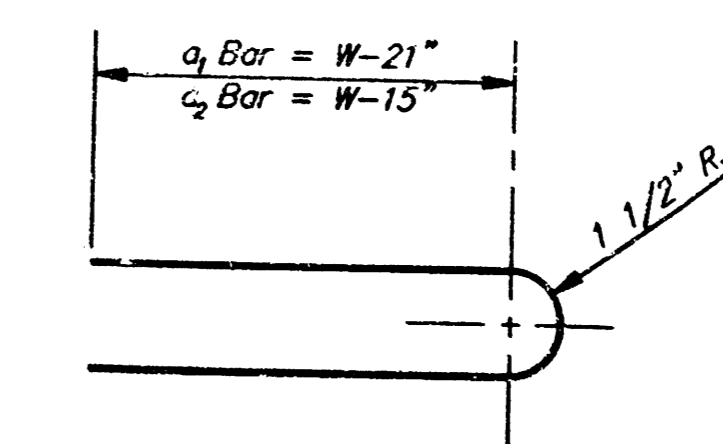
*Shirley C. Pizz*  
 7-1-94

SITE GRADING PLAN										
PHASE 3 - LOT 1 & N. 20' OF LOT 2										
NIES 3RD ADDITION										
SRB		824 NORTH MAIN WICHITA, KANSAS 67203		316-264-8008 FAX 264-4621		REVISED				
SAVOY, RUGGLES & BOHM, P. A. ENGINEERING & SURVEYING										
PROJECT NUMBER 473 PPS (607861)										
DRAWN	DESIGN	REVIEW	DATE	UTILITY	SRB JOB					
J. Long	T.C.R.		July 1, 1994	T.C.R.	159E					
						<table border="1"> <tr> <td>NO. OF SHEETS</td> <td>2</td> </tr> <tr> <td>NO. OF THIS SHEET</td> <td>3</td> </tr> </table>	NO. OF SHEETS	2	NO. OF THIS SHEET	3
NO. OF SHEETS	2									
NO. OF THIS SHEET	3									



MANHOLE RING AND COVER

\*See City of Wichita Standard Manhole Ring and Cover Detail Sheet for Cover Details to Be Used With Inlet Frame.



STEEL SCHEDULE

BAR NUMBER	SIZE										WT. Lbs.	
	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>	b <sub>5</sub>	b <sub>6</sub>	b <sub>7</sub>		
W-4'-4"	5'-7"	6'-7"	4'-0"	6'-1"	-	-	-	-	1'-9"	6'-2"	4'-8"	60±
W-5'-4"	7'-7"	8'-7"	5'-0"	6'-1"	-	-	-	-	1'-9"	6'-2"	4'-8"	81±
W-6'-4"	9'-7"	10'-7"	6'-0"	6'-1"	-	-	-	-	1'-9"	6'-2"	4'-8"	101±
W-7'-4"	11'-7"	12'-7"	7'-0"	6'-1"	-	-	-	-	1'-9"	6'-2"	4'-8"	121±
W-8'-4"	13'-7"	14'-7"	8'-0"	6'-1"	-	-	-	-	6'-1"	1'-9"	6'-2"	141±

Note: a<sub>3</sub> Bars to be Placed Approx. 2" Below Top of Inlet Cover.

STANDARD CURB INLET PRECAST TOPS

W	PRE-CAST TOP SIZE	PIPE SIZE	CU. YD. CONC.
4'-4"	3'-8" 6'-4" 7 1/2"	21" & SMALLER	0.30±
5'-4"	4'-8" 6'-4" 7 1/2"	24" & 30"	0.51±
6'-4"	5'-8" 6'-4" 7 1/2"	36" & 42"	0.64±
7'-4"	6'-8" 6'-4" 7 1/2"	48" & 54"	0.77±
8'-4"	7'-8" 6'-4" 7 1/2"	60" & 66"	0.90±

GENERAL NOTES

- Concrete tops to be installed on thin mortar cushion to insure full support along brick walls. Concrete tops may be cast in place or precast. Concrete used for inlet construction shall be concrete pavement mix.
- Contractor shall have the option of constructing 8" brick masonry walls between the concrete inlet base and top on this inlet when W=6'-4" and H=7'-0" or less.
- Inlet invert shall be shaped with 8 sack sand mix concrete to create flow channels and to increase hydraulic efficiency such that the inlet will be self cleaning between all inlet and/or outlet pipes.
- The ends of all pipes installed in inlets shall be cut off flush with the inside face of the inlet wall.

**STANDARD TYPE 1 INLET DETAILS**  
CITY OF WICHITA, KANSAS

SRB 924 NORTH MAIN WICHITA, KANSAS 67203 316-264-8008  
SAVOY, RUGGLES & BOHM, P.A. ENGINEERING & SURVEYING  
PROJECT NUMBER 473 PPS (607861)

DATE: June 29, 1994

DESIGN: [ ] REVIS: [ ] CHECK: [ ]

SRB JOB 159E

3 OF 3