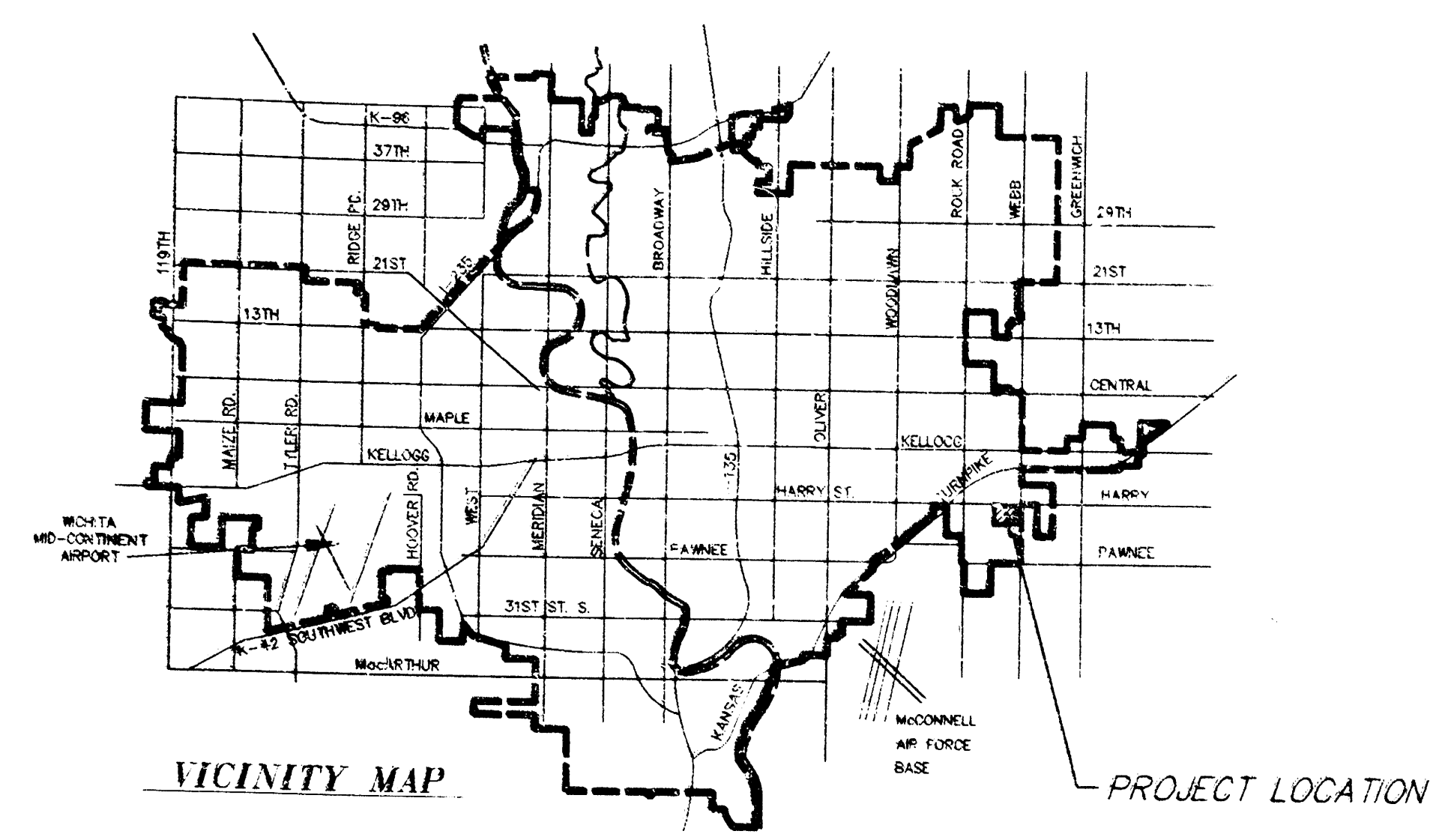
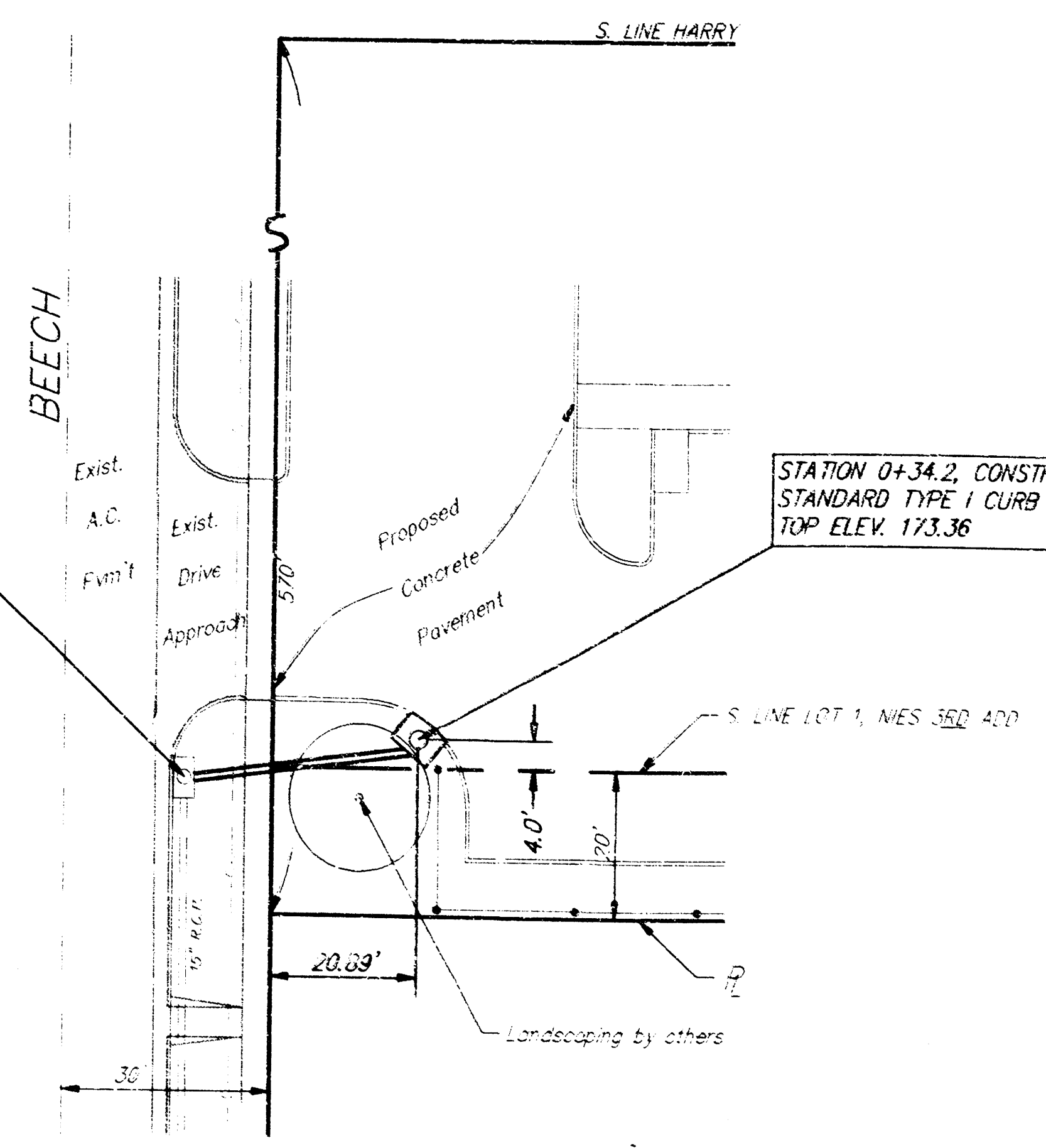


BENCH MARK:
CITY OF WICHITA DISC AT NW CORNER
HARRY & WEBB, SE OF TRAFFIC SIGNAL POLE
ELEVATION = 171.64 CITY DATUM



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

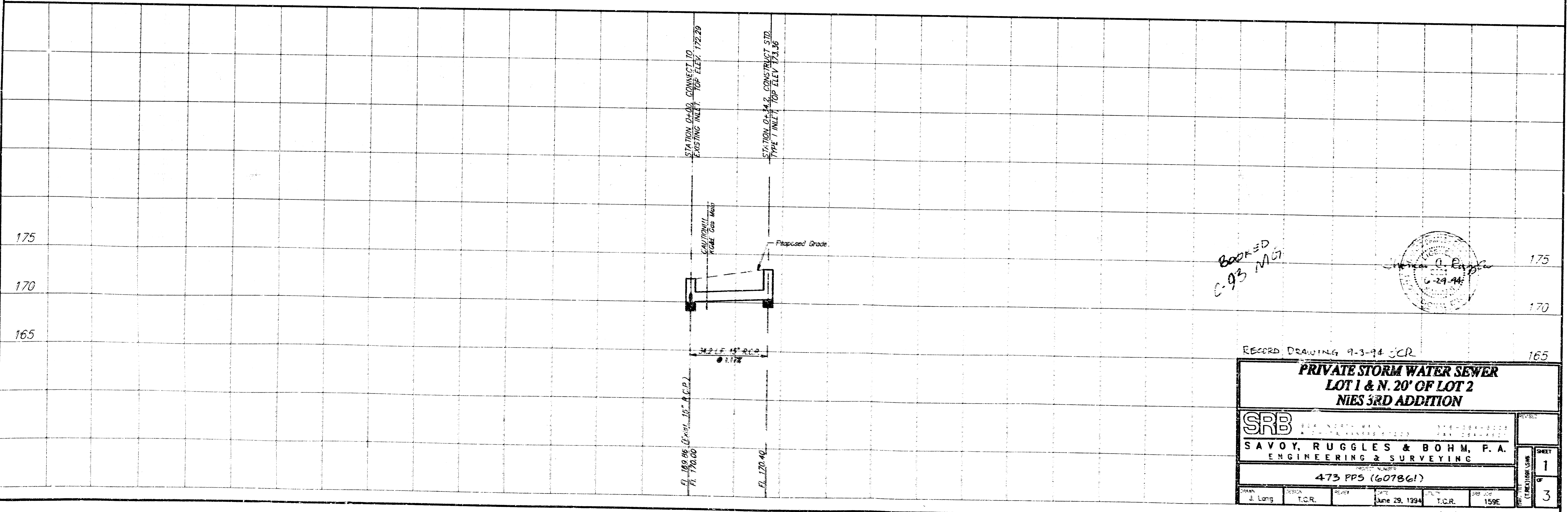
RUNOFF (BY RATIONAL METHOD):
D.A. = 1.02 Acres
 $C_p = 0.85$ $T_c = 15$ minutes
 $q_s = 4.56$ cfs/hr. $q_{100} = 7.37$ cfs/hr.
 $q_s = 3.9$ cfs $q_{100} = 6.4$ cfs

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

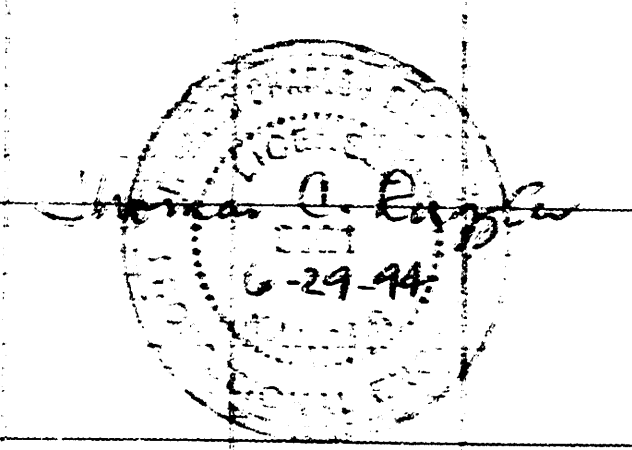
APPROVED AS NOTED
BY CITY ENGINEER OF WICHITA

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 MAY 1994



RECORD DRAWING 9-3-94 JCR

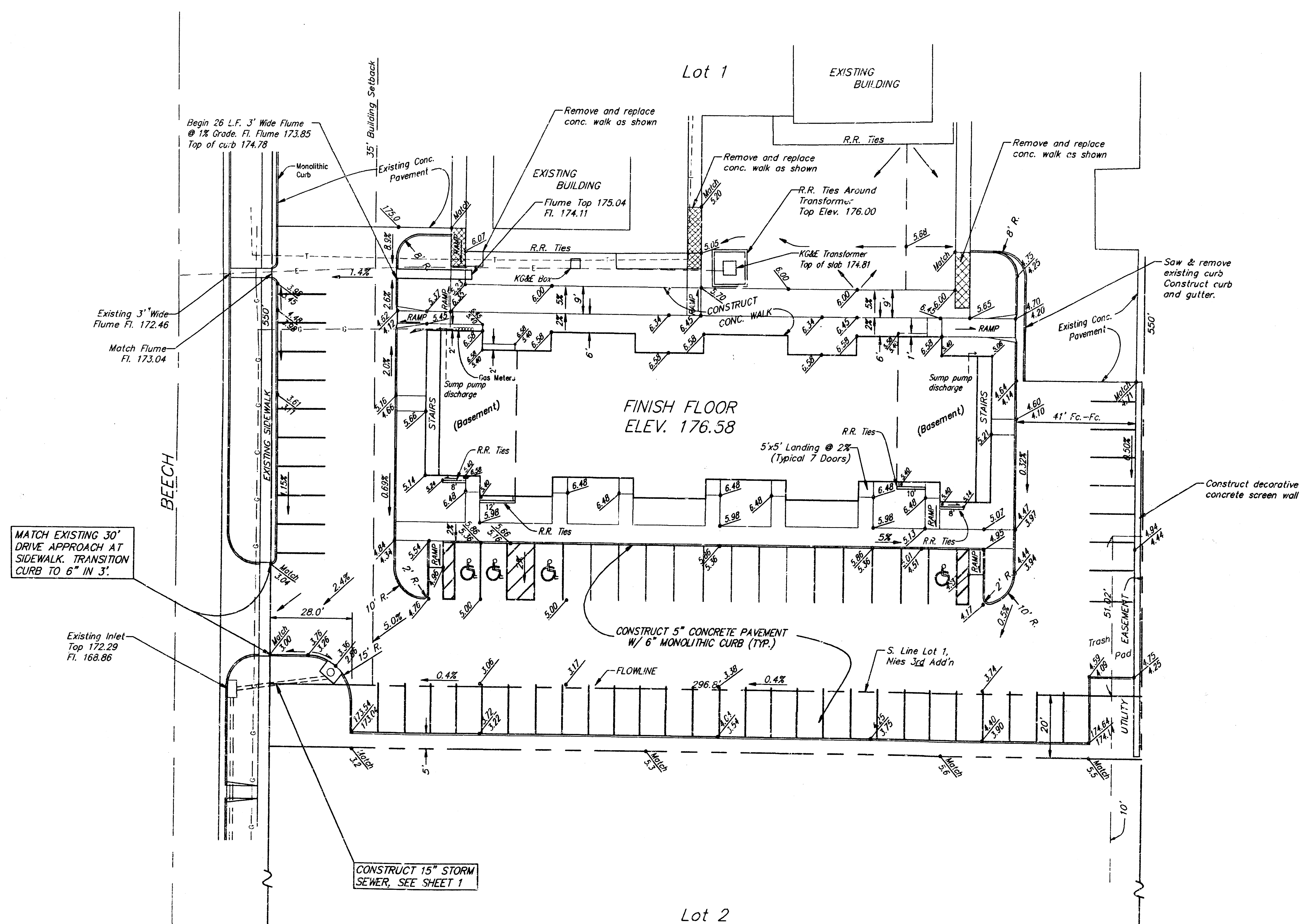
**PRIVATE STORM WATER SEWER
LOT 1 & N. 20' OF LOT 2
NIES 3RD ADDITION**

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

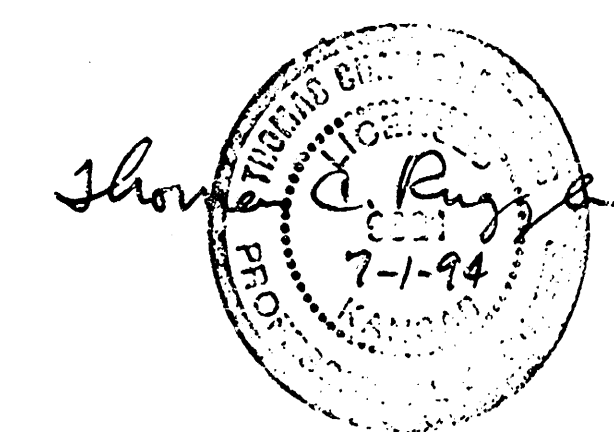
473 PPS (607861)

DESIGN	CHECK	DATE	DATE	DATE
J. Long	T.C.R.	June 29, 1994	T.C.R.	1599

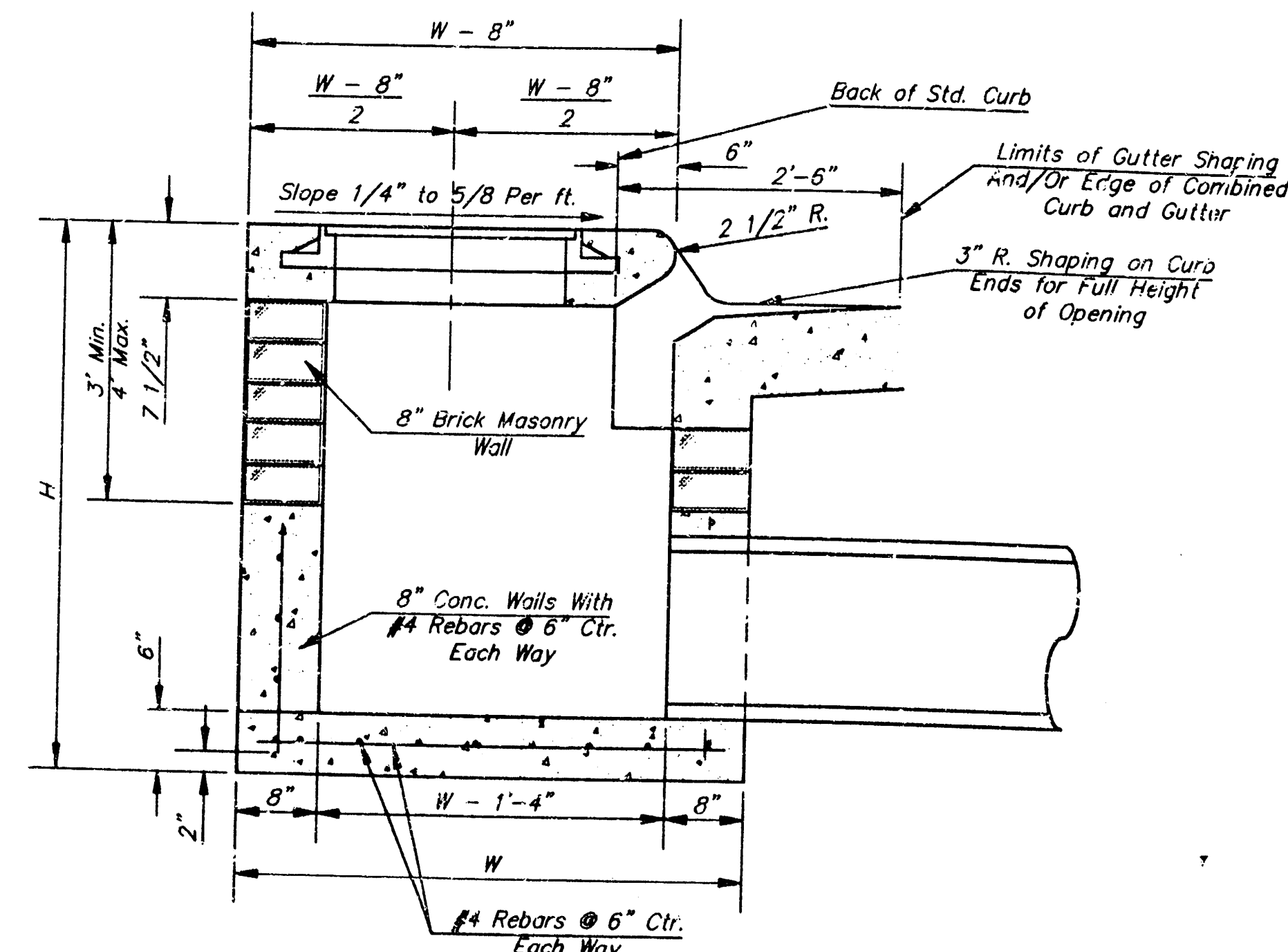
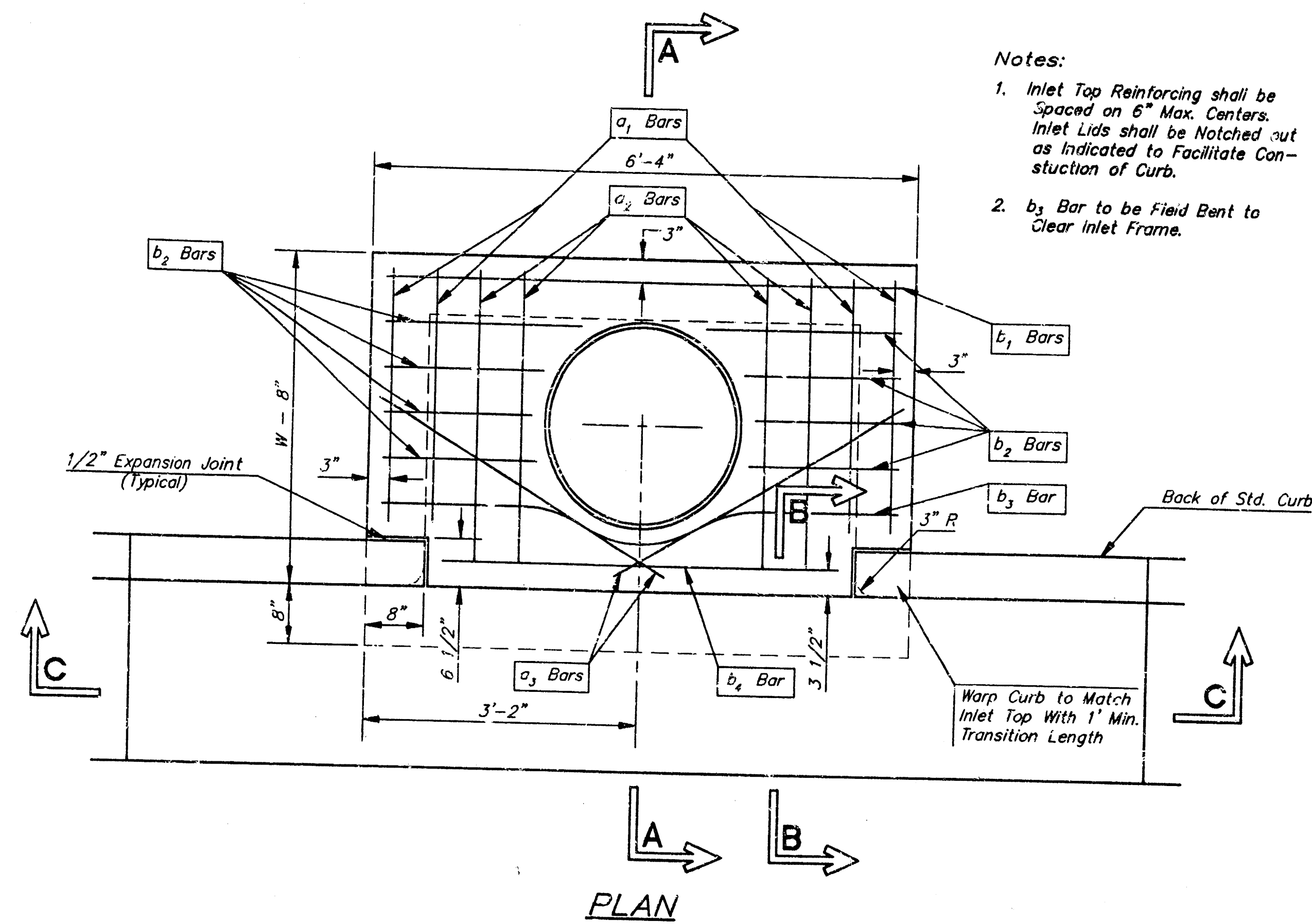
SHEET 1 OF 3



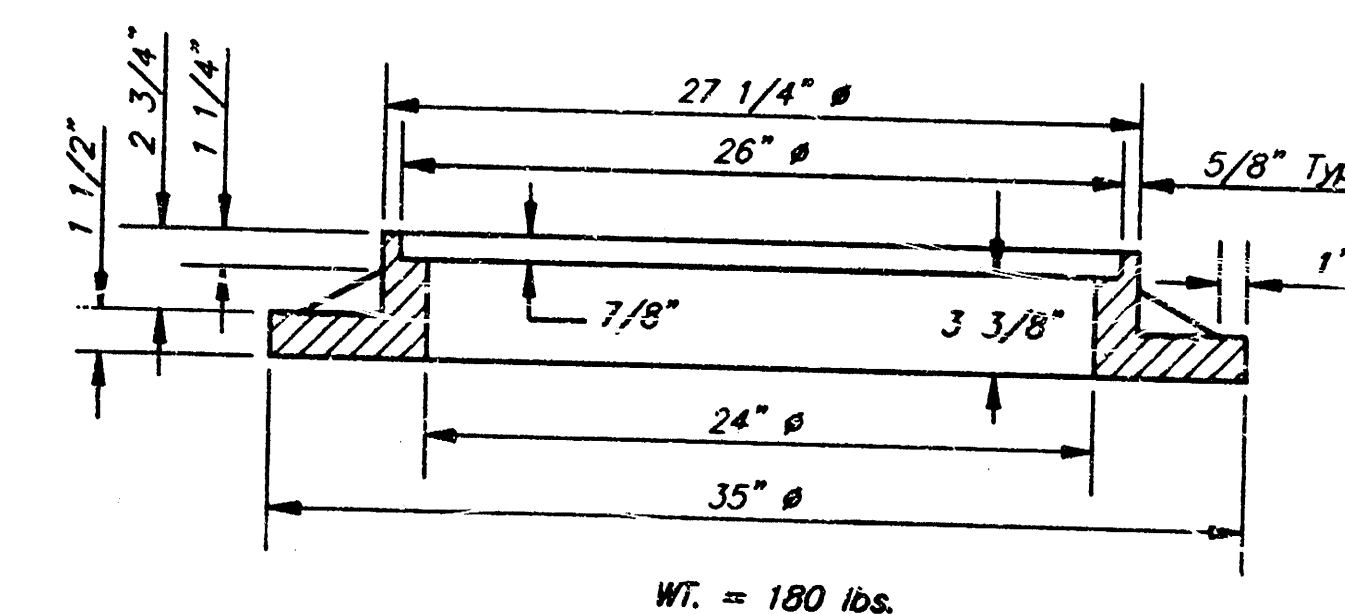
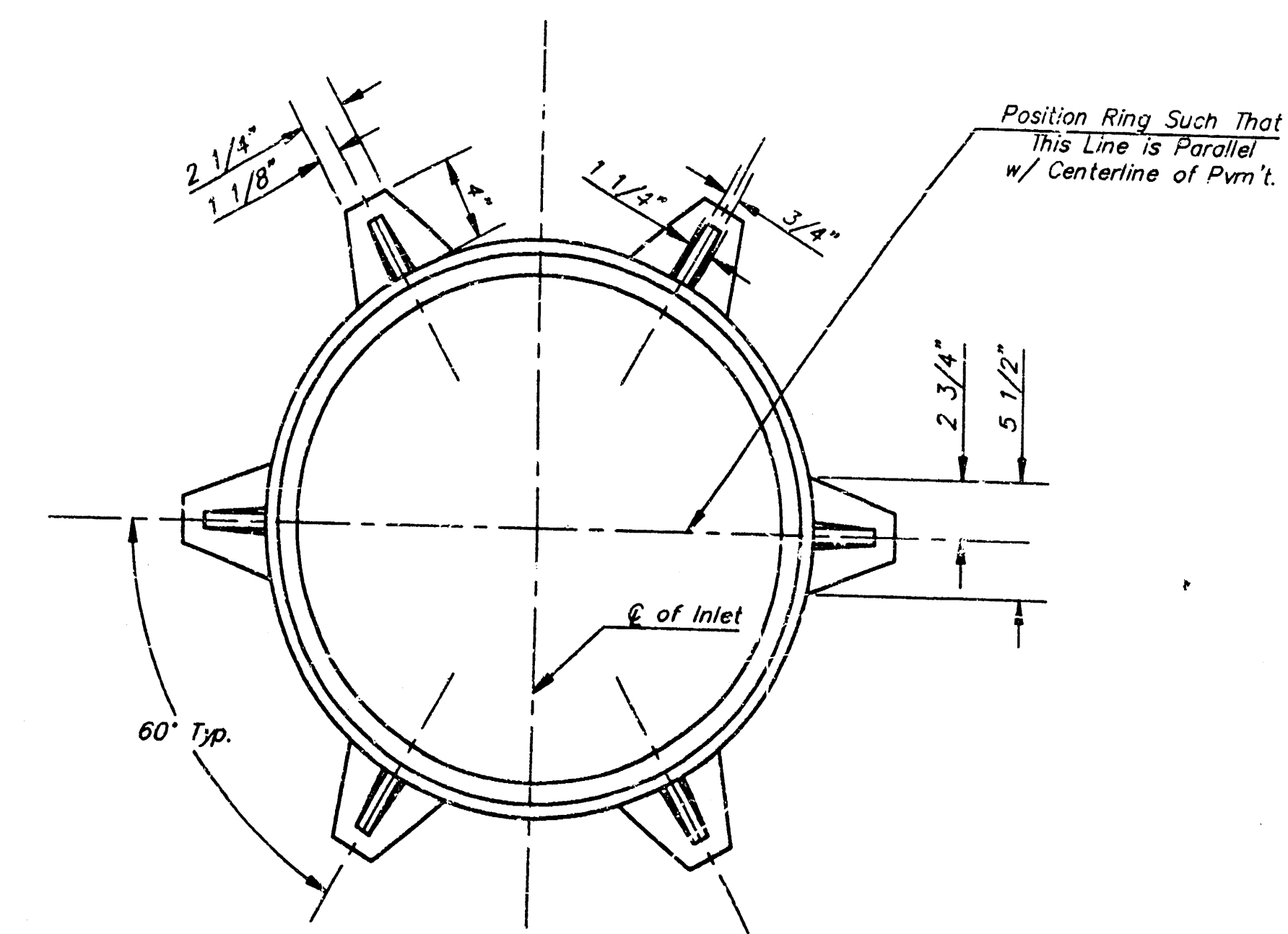
SCALE:
1"=20'-0"



SITE GRADING PLAN PHASE 3 - LOT 1 & N. 20' OF LOT 2 NIES 3RD ADDITION							
SRB		924 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 J. Long	DESIGN T.C.R.	REVIEW	DATE July 1, 1994	UTILITY T.C.R.	SRB JOB 159E	SHEET 2 OF 3	

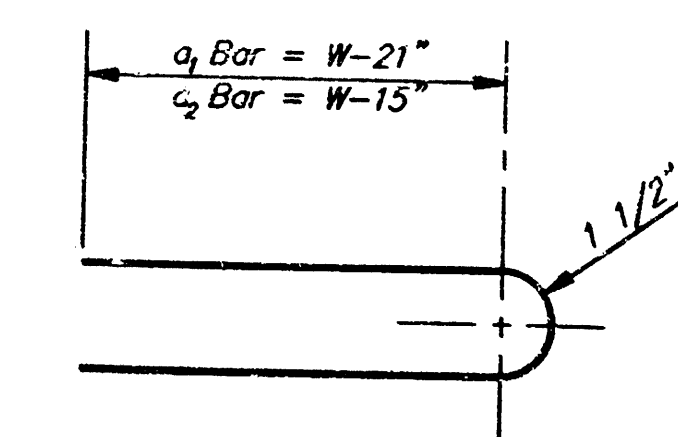


SECTION A-A

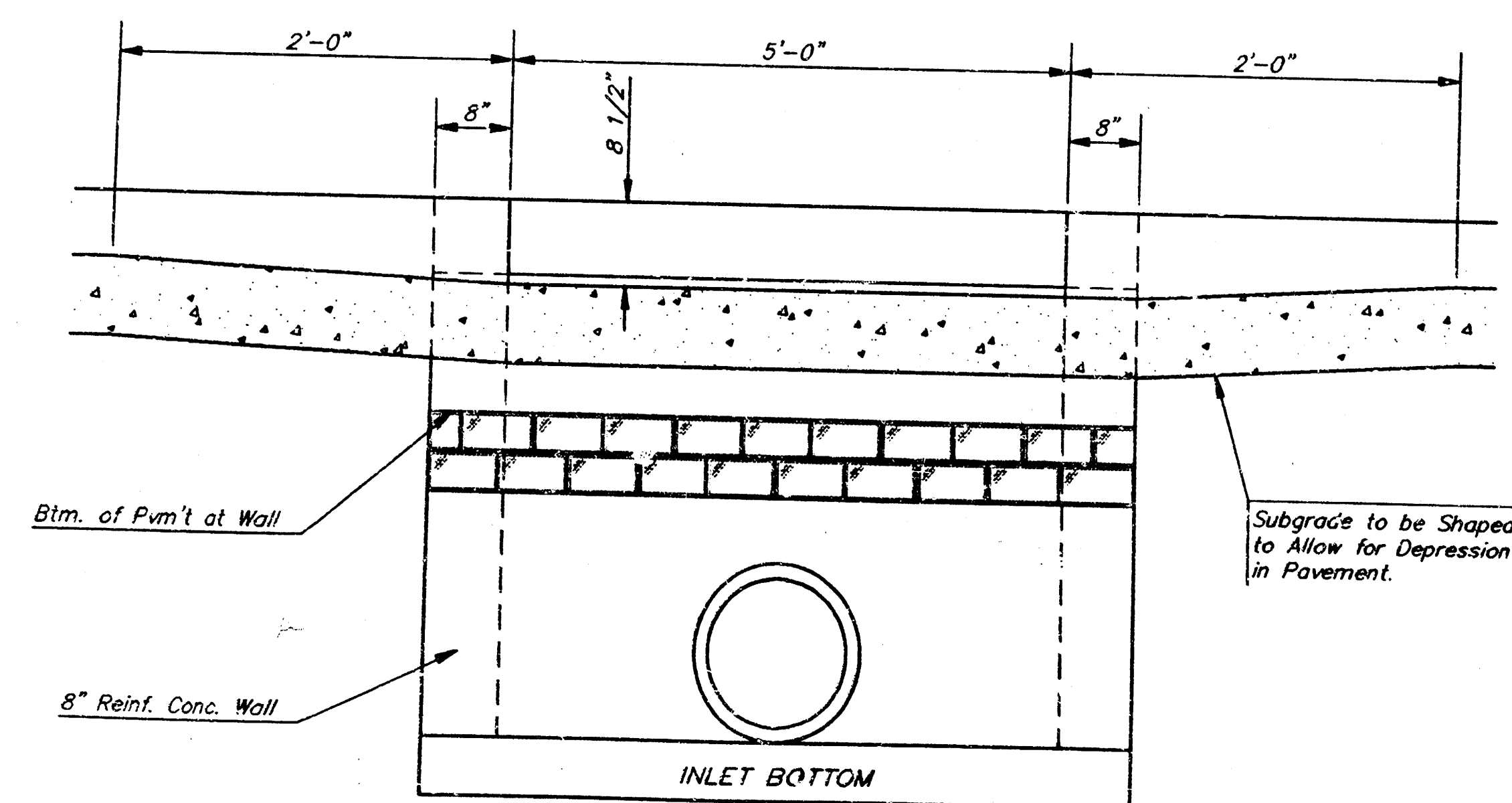


MANHOLE RING AND COVER

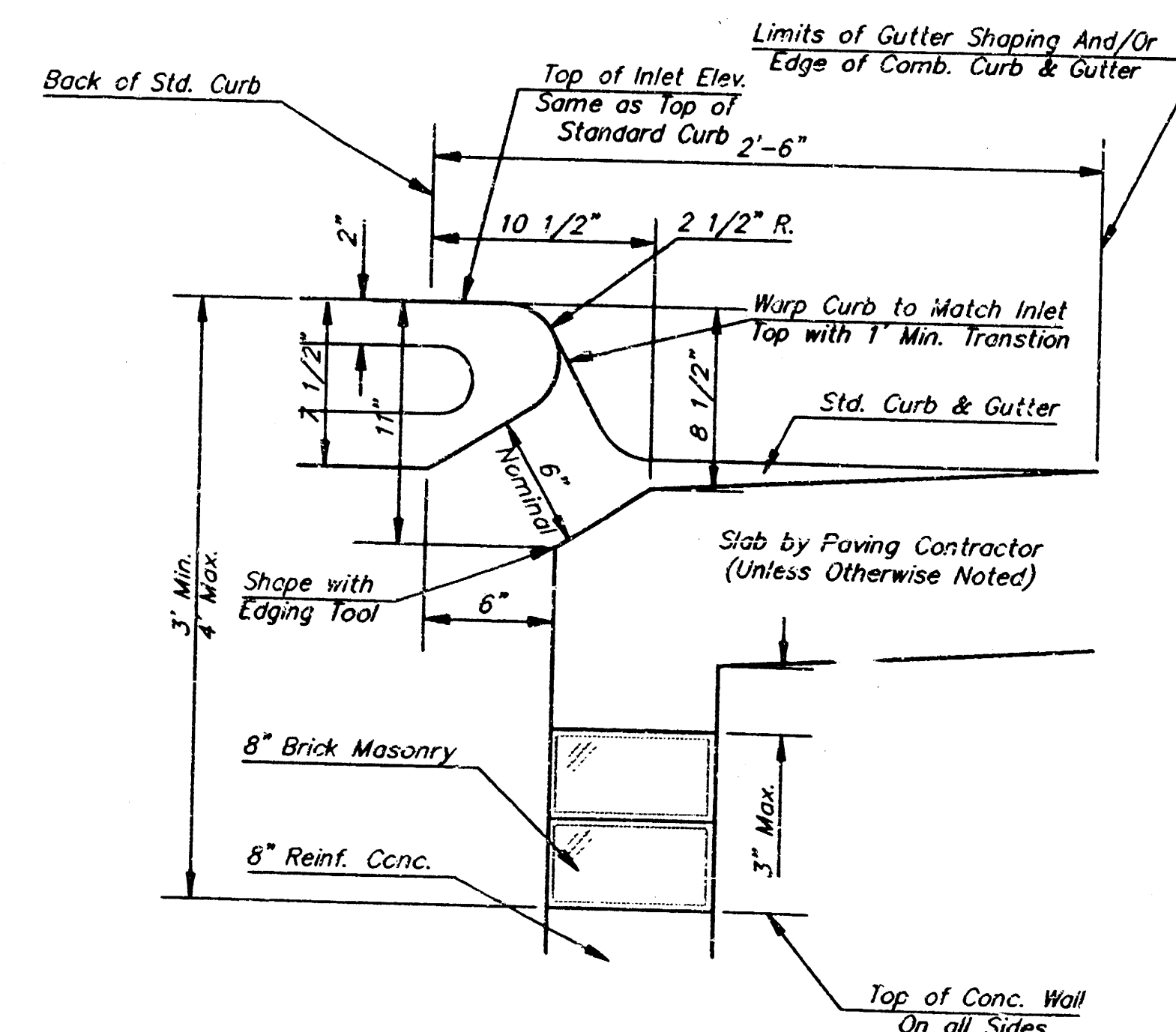
*See City of Wichita Standard Manhole Ring and Cover Detail Sheet for Cover Details to Be Used With Inlet Frame.



BENDING DIAGRAM



SECTION C-C



SECTION B-B

STEEL SCHEDULE

BAR	a ₁	a ₂	a ₃	b ₁	b ₂	b ₃	b ₄	WT. Lbs.
NUMBER	4	4	2	1	3	5	7	9
SIZE	#4	#4	#4	#4	#4	#4	#4	#6
W=4'-4"	5'-7"	6'-7"	4'-0"	6'-1"	-	-	-	1'-9"
W=5'-4"	7'-7"	8'-7"	5'-0"	6'-1"	-	-	-	1'-9"
W=6'-4"	9'-7"	10'-7"	6'-0"	6'-1"	-	-	-	1'-9"
W=7'-4"	11'-7"	12'-7"	7'-0"	6'-1"	-	-	-	1'-9"
W=8'-4"	13'-7"	14'-7"	8'-0"	6'-1"	-	-	-	1'-9"

Note: a₃ Bars to be Placed Approx. 2" Below Top of Inlet Cover.

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 FAX 264-4621		REVISION
SAVOY, RUGGLES & BOHM, P.A. ENGINEERING & SURVEYING		SHEET 3
PROJECT NUMBER 473 PPS (607861)		3
DRAWN	DESIGN	REVIEW
DATE June 29, 1994	UTILITY	SRB JOB 159E