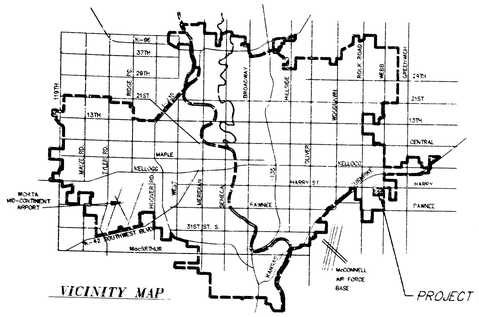
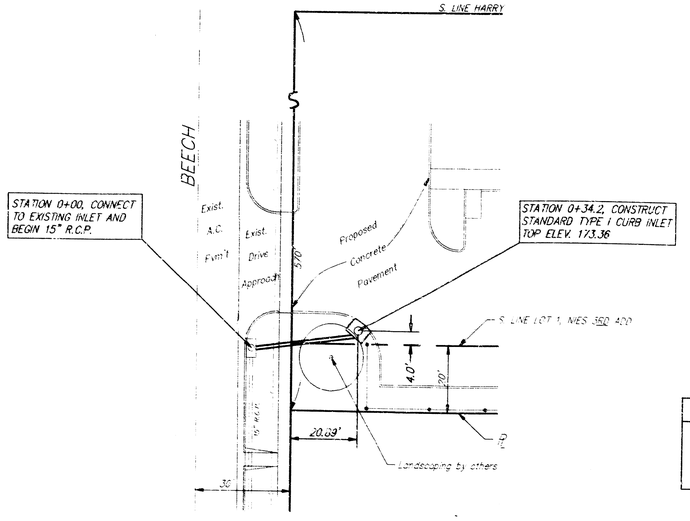
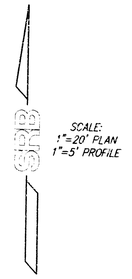
BENCH MARK:
CITY OF WICHITA DISC AT NW CORNER
HARRY & WEBB, SE OF TRAFFIC SIGNAL POLE
ELEVATION = 171.64 CITY DATUM



VICINITY MAP

PROJECT LOCATION





RUNOFF (BY RATIONAL METHOD):

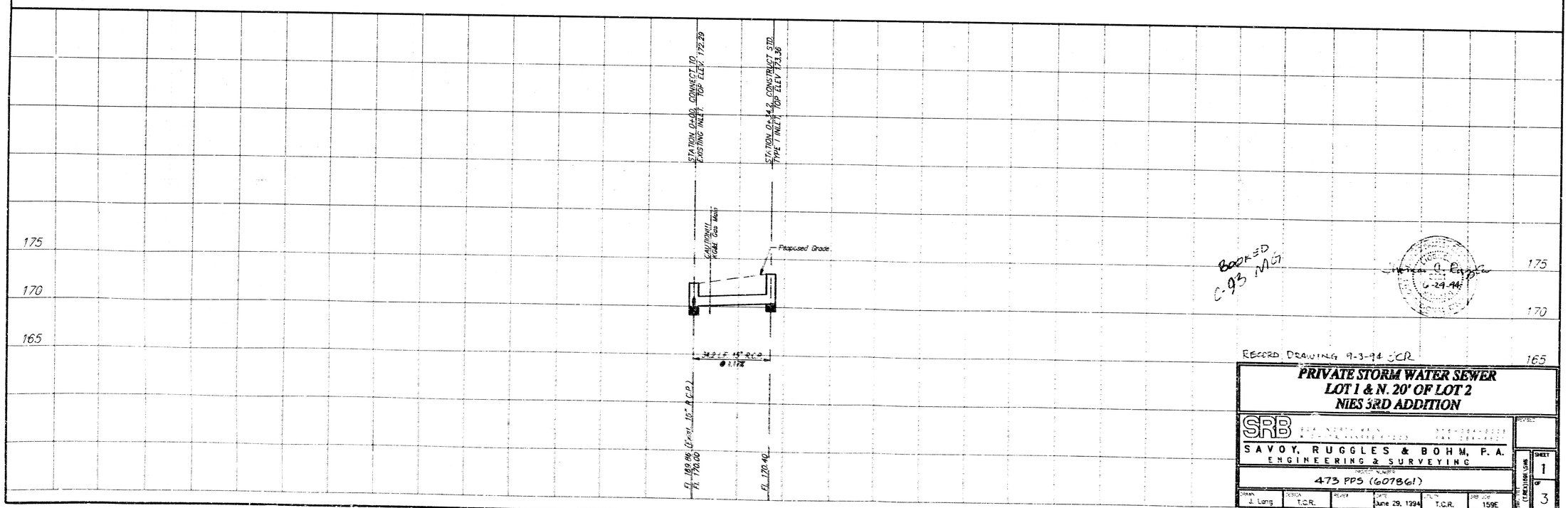
D.A. = 1.02 Acres	
C_5 = 0.55	T_c = 15 minutes
I_5 = 4.56"/hr.	I_{100} = 7.37"/hr.
Q_5 = 3.9 cfs	Q_{100} = 8.4 cfs

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. Said 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 MJT

Marion A. Ruggles 6-29-94

RECORD DRAWING 9-3-94 JCR

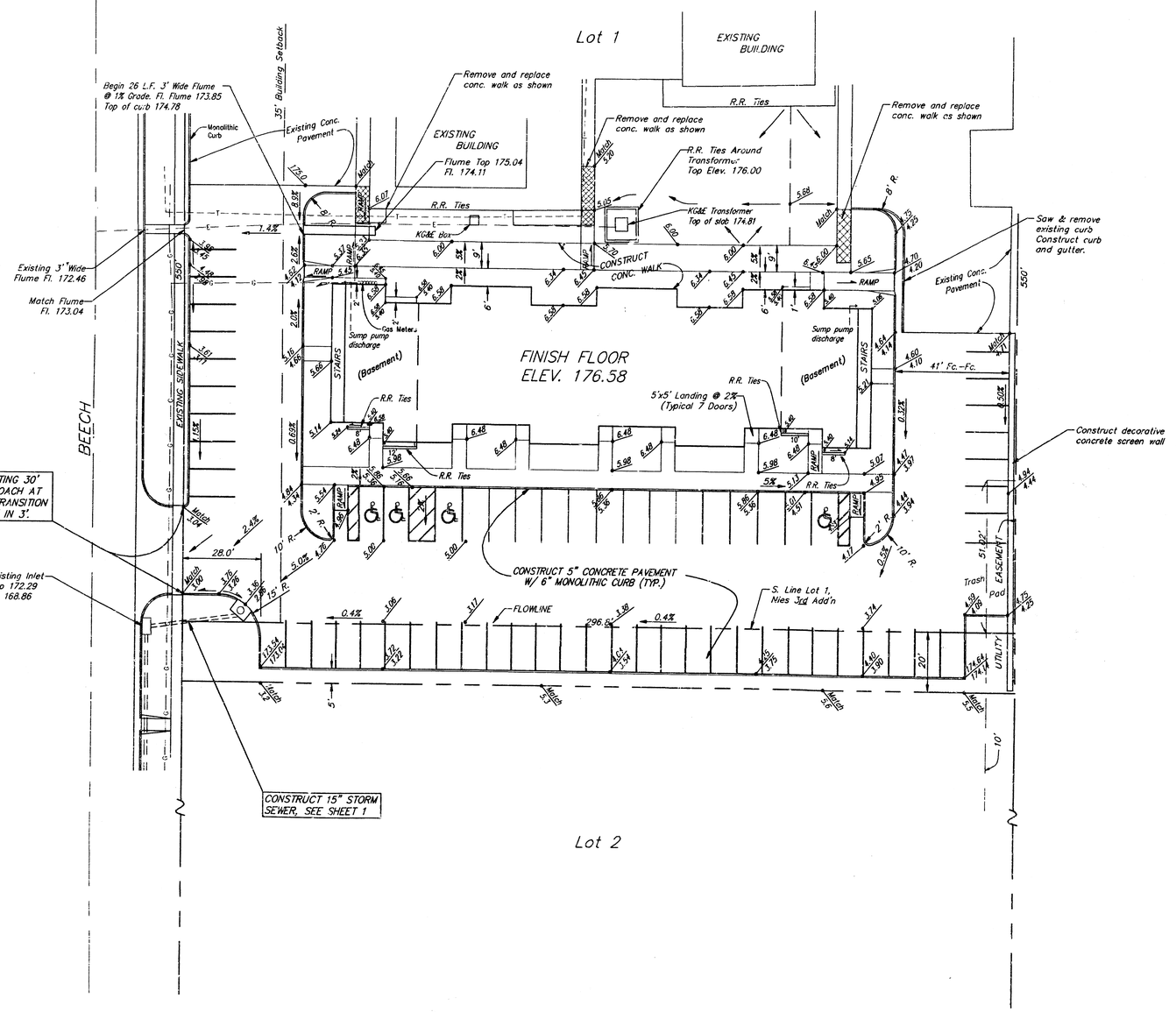
PRIVATE STORM WATER SEWER
LOT 1 & N. 20' OF LOT 2
NIES 3RD ADDITION

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

473 PPS (607861)

DRAWN	DESIGN	CHECK	DATE	FILE	JOB NO.
J. Long	T.C.R.		June 29, 1994	T.C.R.	159E

SHEET 1 OF 3



SRB

SCALE: 1"=20'-0"

Shane C. Ruggles 7-1-94

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

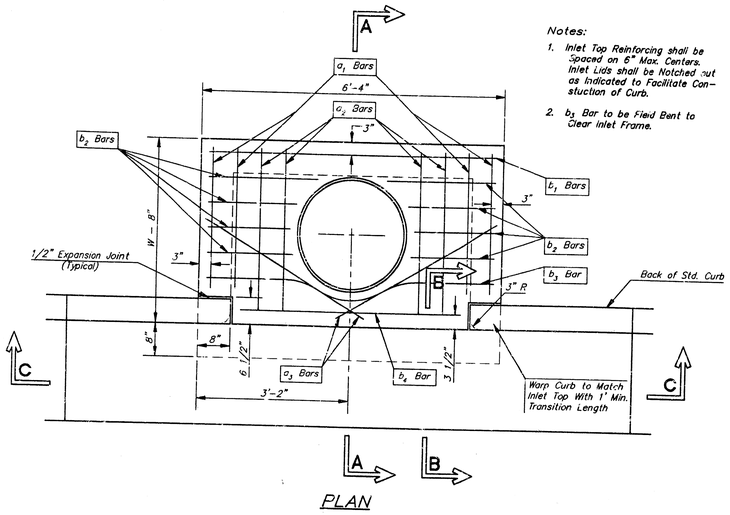
REVISED

PROJECT NUMBER 473 PPS (607861)

DRAWN	DESIGN	REVIEW	DATE	UTILITY	SRB JOB
J. Lang	T.C.R.		July 1, 1994	T.C.R.	159E

SHEET 2 OF 3

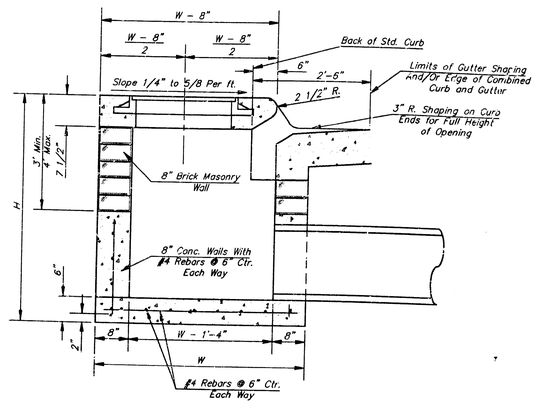
PRINT FILE: T:\DWG\159E\GRADE



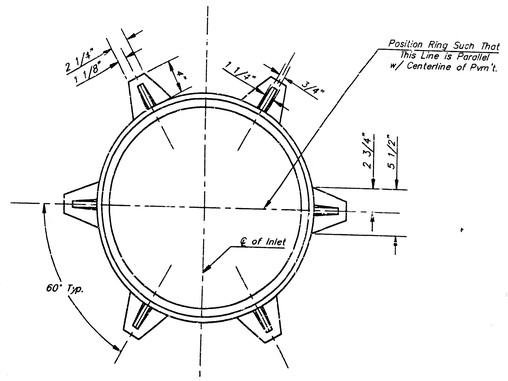
PLAN

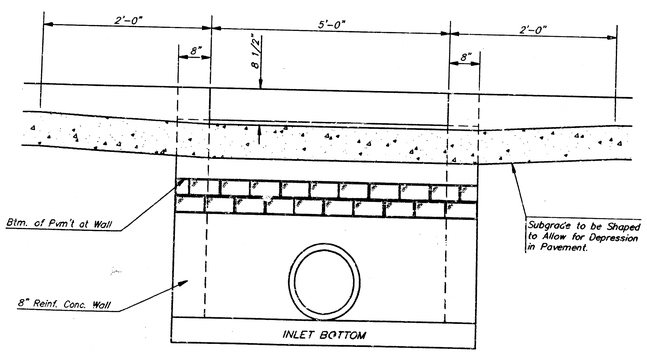
Notes:

1. Inlet Top Reinforcing shall be Spaced on 6" Max. Centers. Inlet Lids shall be Notched out as Indicated to Facilitate Construction of Curb.
2. b_3 Bar to be Field Bent to Clear Inlet Frame.

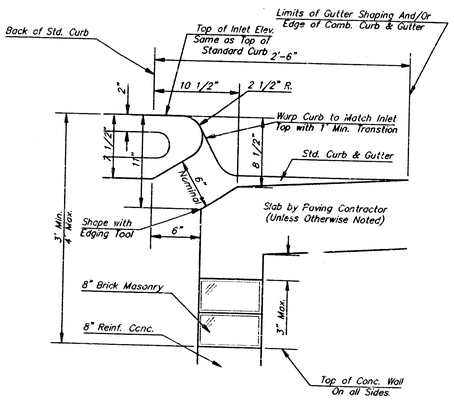


SECTION A–A

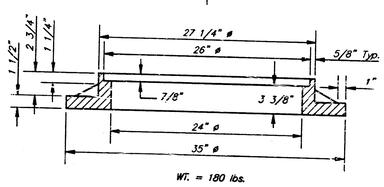




SECTION C–C



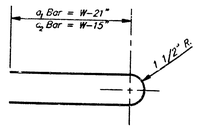
SECTION B–B



WT. = 180 lbs.

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

STEEL SCHEDULE

BAR	a_1	a_2	a_3	b_1 W=4'-4"	b_1 W=5'-4"	b_1 W=6'-4"	b_1 W=7'-4"	b_1 W=8'-4"	b_2	b_3	b_4	Wt. Lbs.
NUMBER	4	4	2	1	3	5	7	9	6	1	1	
SIZE	#4	#4	#4	#4	#4	#4	#4	#4	#4	#4	#6	
LENGTH W=4'-4"	5'-7"	6'-7"	4'-0"	6'-1"	–	–	–	–	1'-9"	6'-2"	4'-8"	60±
LENGTH W=5'-4"	7'-7"	8'-7"	5'-0"	–	6'-1"	–	–	–	1'-9"	6'-2"	4'-8"	81±
LENGTH W=6'-4"	9'-7"	10'-7"	6'-0"	–	–	6'-1"	–	–	1'-9"	6'-2"	4'-8"	101±
LENGTH W=7'-4"	11'-7"	12'-7"	7'-0"	–	–	–	6'-1"	–	1'-9"	6'-2"	4'-8"	121±
LENGTH W=8'-4"	13'-7"	14'-7"	8'-0"	–	–	–	–	6'-1"	1'-9"	6'-2"	4'-8"	141±

Note: a_3 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	0.38±
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

1. 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.
2. 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.
3. Inlet invert shall be shaped with 6 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.
4. 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
SAVOY, RUGGLES & BOHM, P. A.
ENGINEERING & SURVEYING

REVISED

PROJECT NUMBER 473 PPS (607861)

DRAWN	DESIGN	REVIEW	DATE	UTILITY	SRB JOB
			June 29, 1994		159E

CHECKED BY: S

SHEET 3 OF 3

14-5-3-e