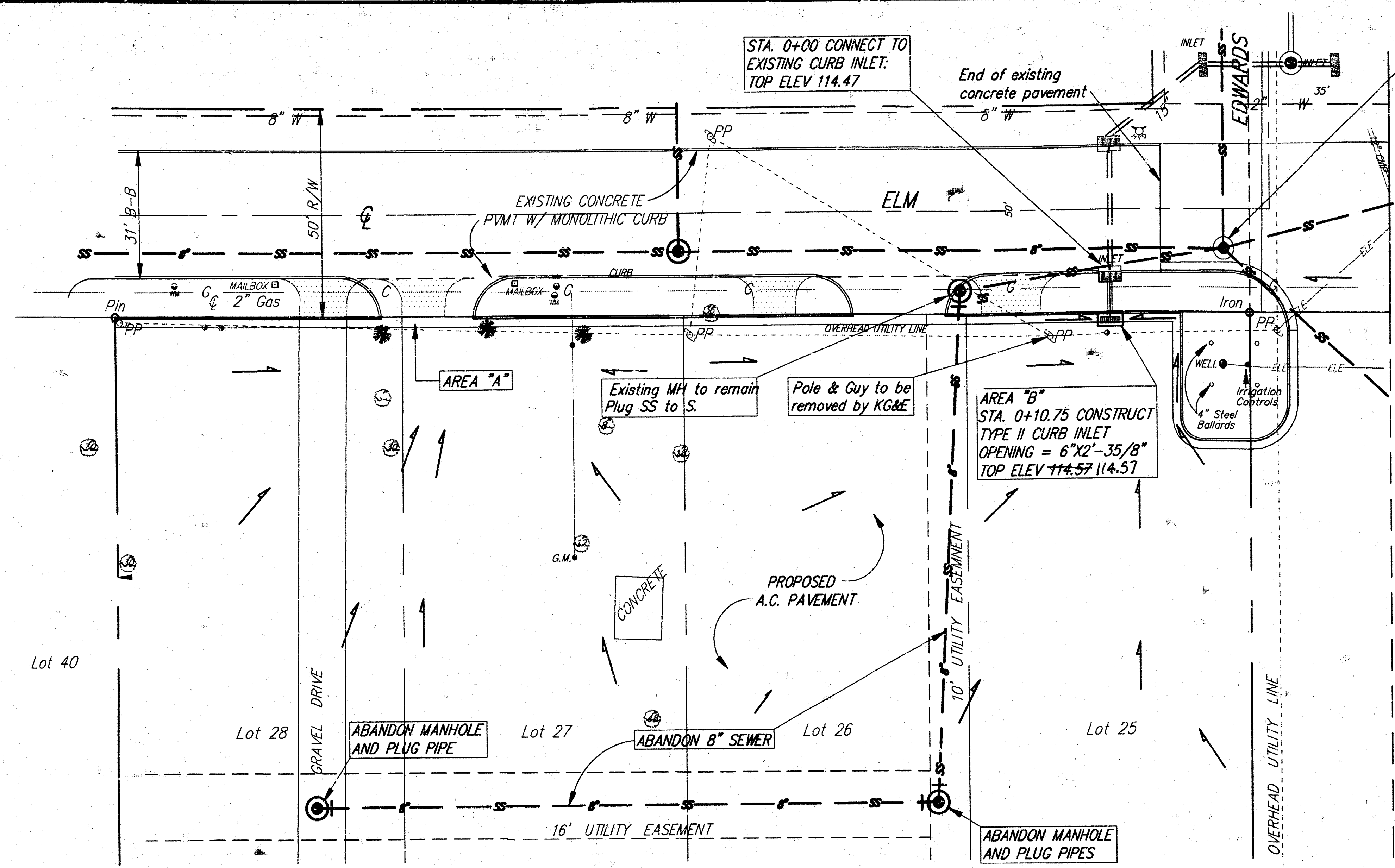


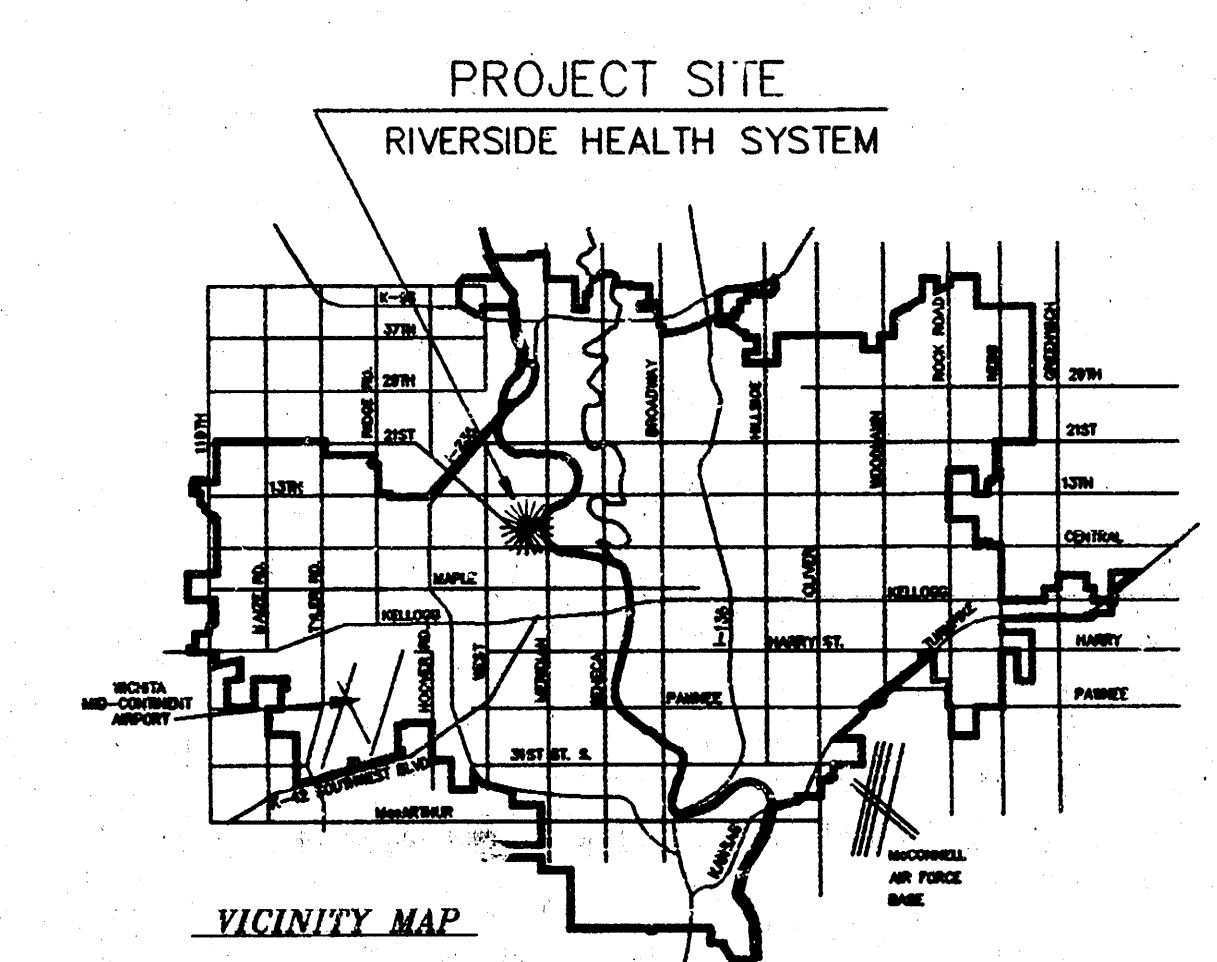


REPLACE FRAME & COVER
AND ADJUST MH TOP TO 114.37
EXISTING TOP ELEV. 115.35

GENERAL NOTES

1. All work on this project shall be done in accordance with City of Wichita Standard Specifications for Construction of Sanitary Sewer and Storm Sewers, and the City of Wichita "Procedure for Construction of Public Works Improvements by Private Contract."
2. Contractor shall provide notice to utility companies a minimum of 48 hours prior to any excavation, through Kansas One-Call, 687-2470.
3. All areas within street right of way which are disturbed by Contractor's operations shall be restored in accordance with City of Wichita Administrative Regulations AR-78.
4. Manhole frames and covers removed shall be returned by the Contractor to the Sewer Maintenance Dept. of the City of Wichita.

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

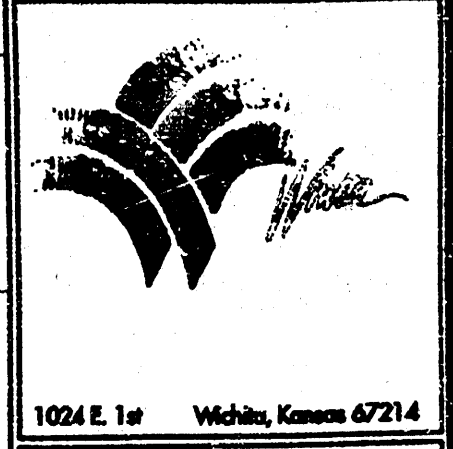


APPROVED AS NOTED
BY CITY ENGINEER OF WICHITA

Sanitary Sewers VRH 4/21/95
Storm Sewers VRH 4/21/95
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. Self 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.

Power Plant Addition & Site Improvements Riverside Health Systems WICHITA, KANSAS



1024 E. 1st Wichita, Kansas 67214

DATE
APRIL 20, 1995

TITLE
SWS PROFILE
SHEET NO.

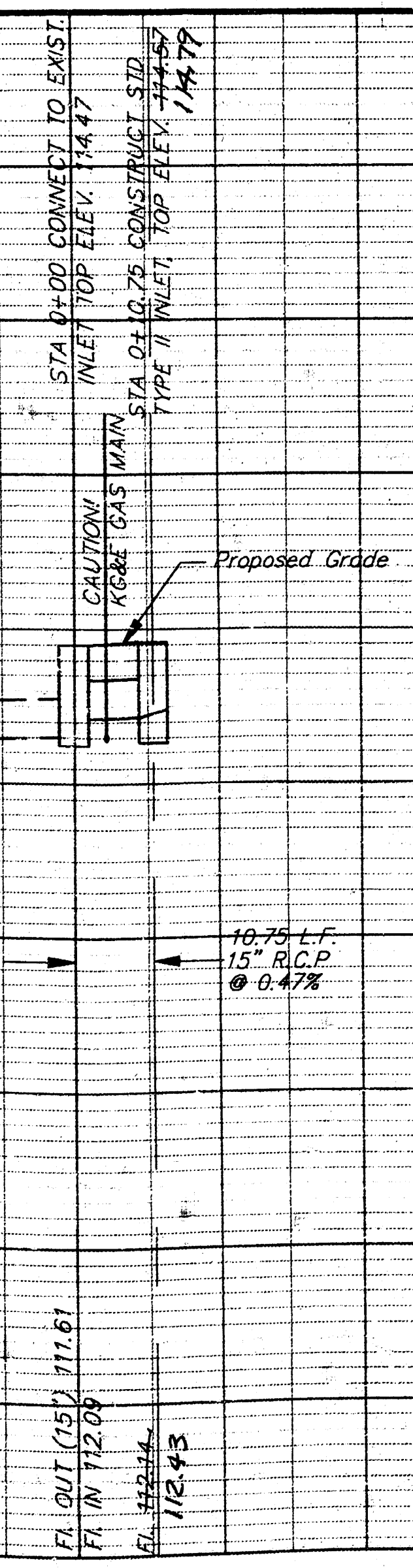
SG-3

DRAINAGE CALCULATIONS
Runoff calculated by Rational Formula: $Q=CIA$
Surface 100% pavement/roof: $C_5=0.88$; $C_{100}=0.93$
Assume Time of Concentration = 10 minutes

 $I_5=4.52$ in/hr; $I_{100}=8.54$ in/hr
 $Q_5=4.0$ cfs/acre; $Q_{100}=7.9$ cfs/acre

Area A (drains through driveway to street)
D.A. = 0.75 ac; $Q_5=3.0$ cfs; $Q_{100}=6.0$ cfs

Area B (drains to Storm Sewer)
D.A. = 1.27 ac; $Q_5=5.1$ cfs; $Q_{100}=10.03$ cfs



SWS
BOOKED
12-20-95
B-207
MCA

Revised Sept. 5, 1995
11-11-95

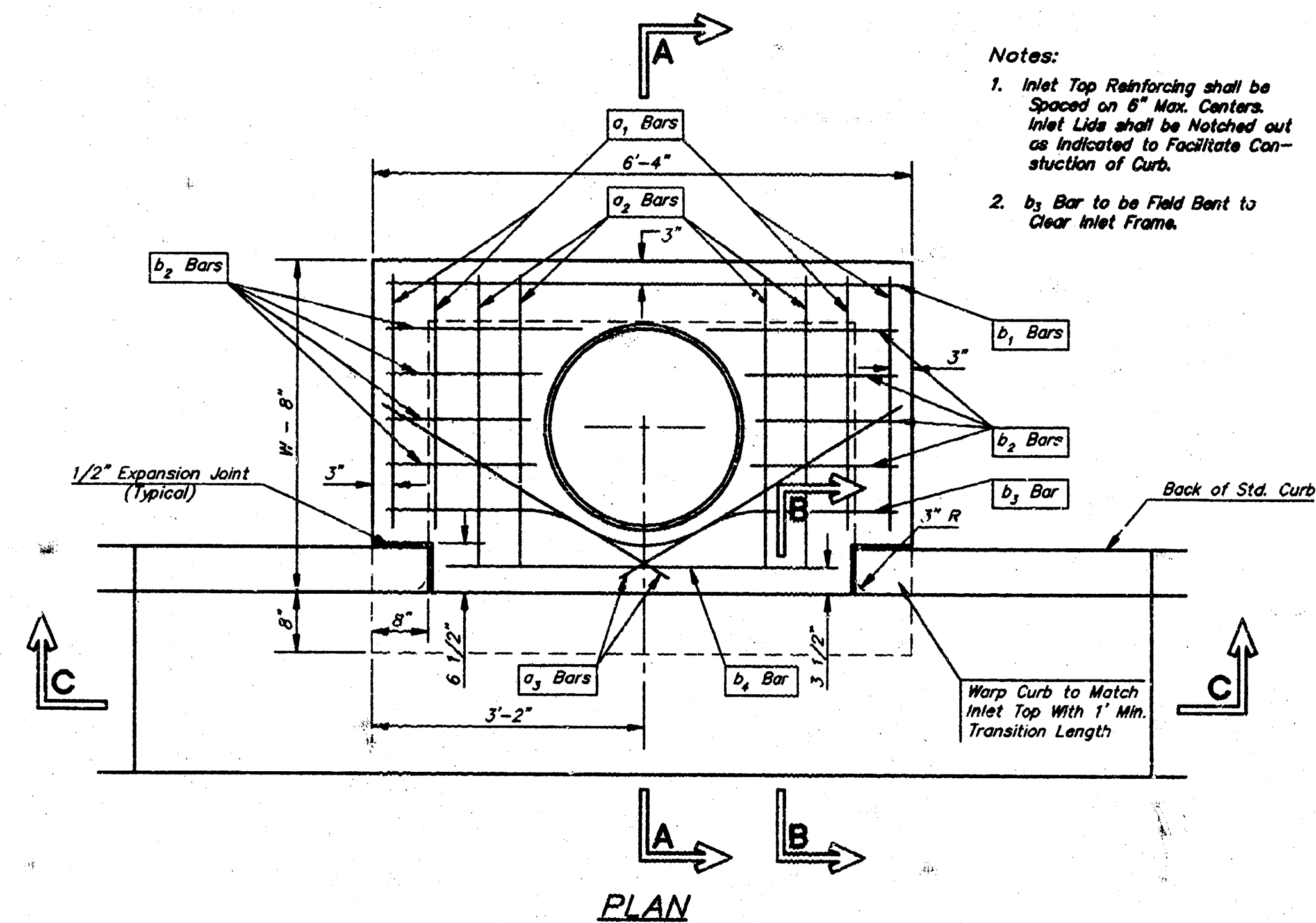
**PRIVATE STORM SEWER EXTENSION
AND SANITARY SEWER ABANDONMENT**

SRB 924 NORTH MAIN 316-264-8008
WICHITA, KANSAS 67203 FAX 264-4621

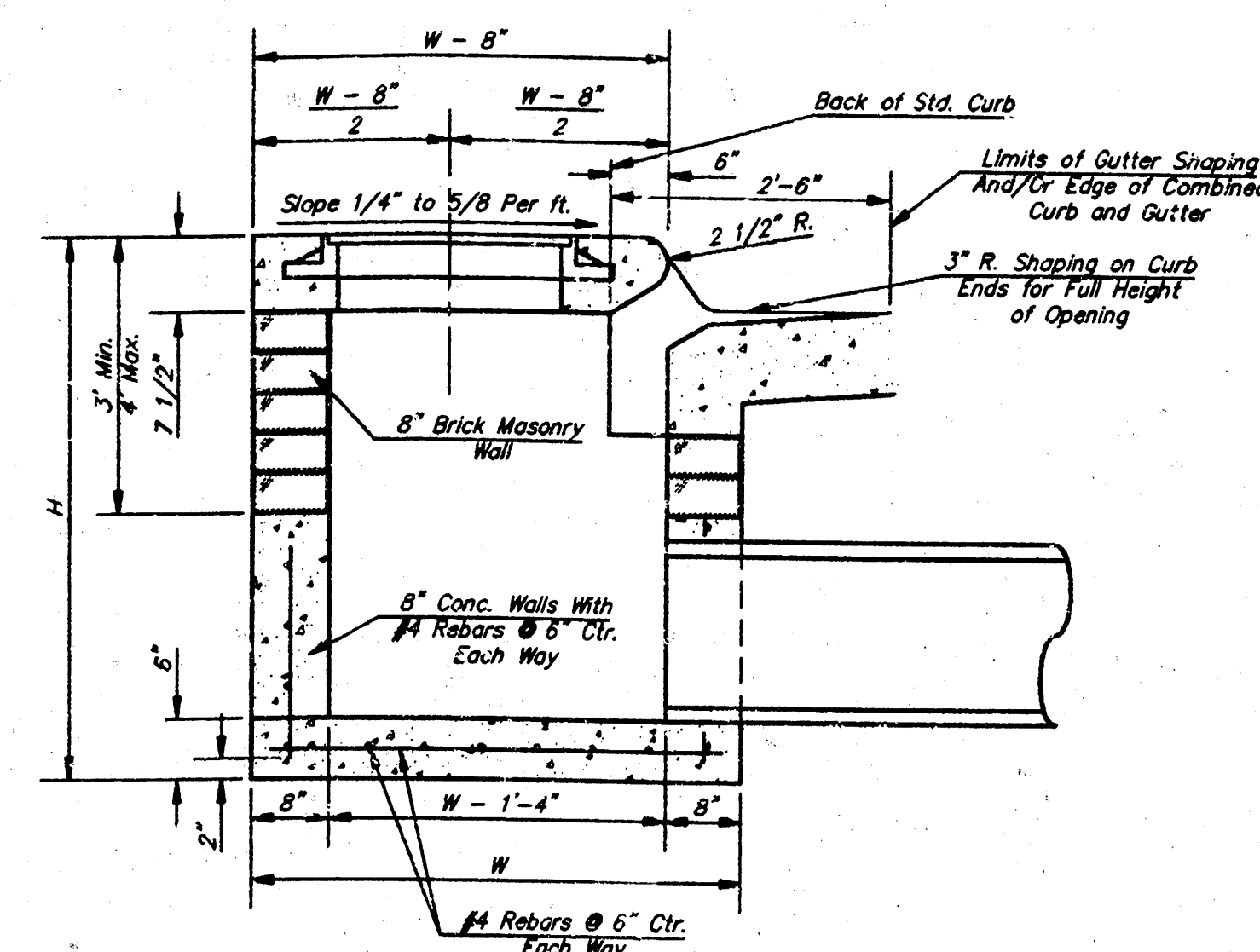
SAVOY, RUGGLES & BOHM, P.A.
ENGINEERING & SURVEYING

PROJECT NUMBER
554 PPS (607861)

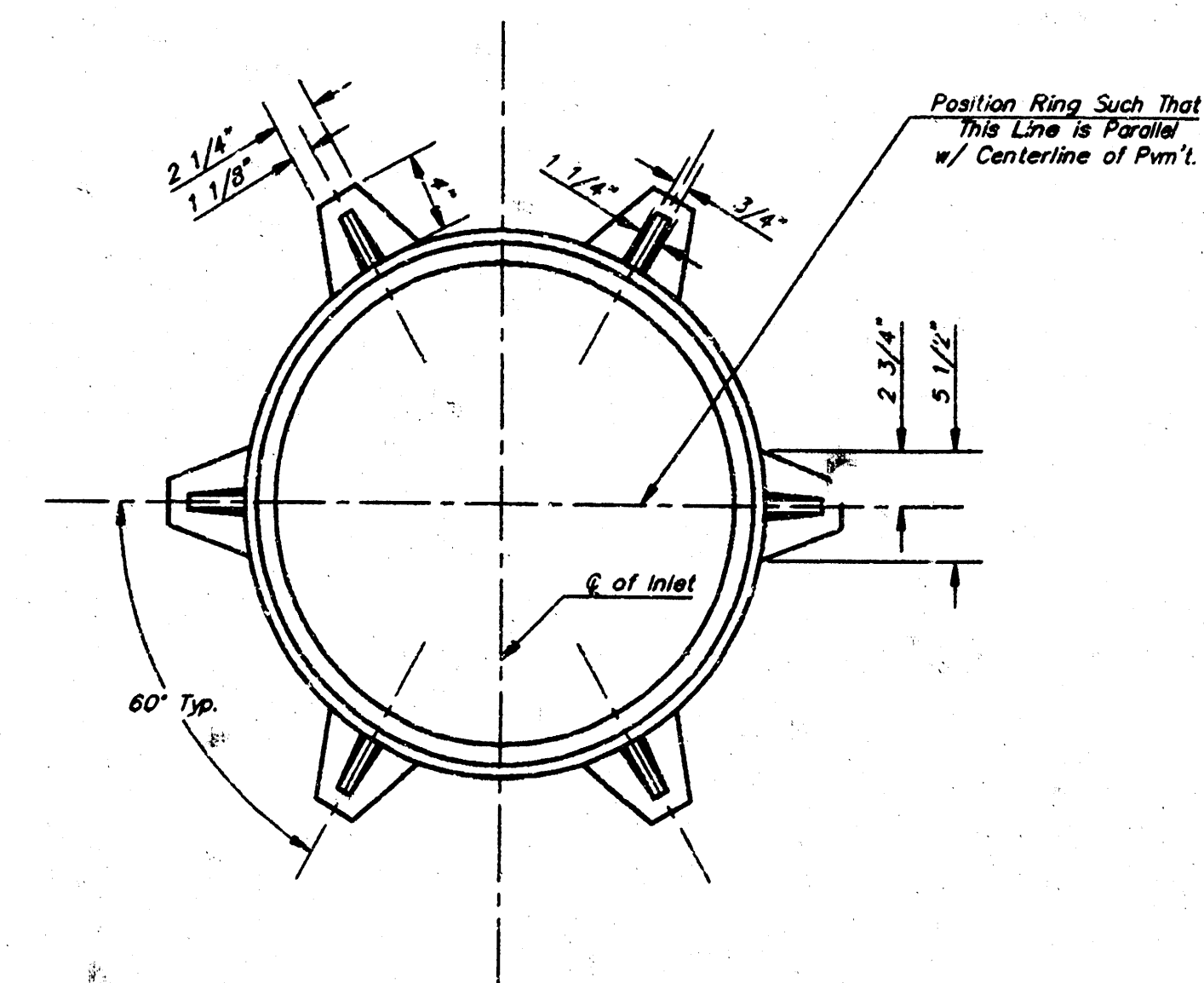
REVISED AS BUILT 11-11-95 JCR



- Notes:
1. Inlet Top Reinforcing shall be Spaced on 6" Max. Centers. Inlet Lids shall be Matched out as indicated to Facilitate Construction of Curb.
 2. b1 Bar to be Field Bent to Clear Inlet Frame.

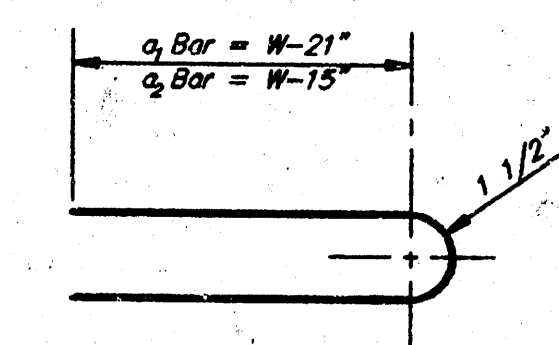


SECTION A-A

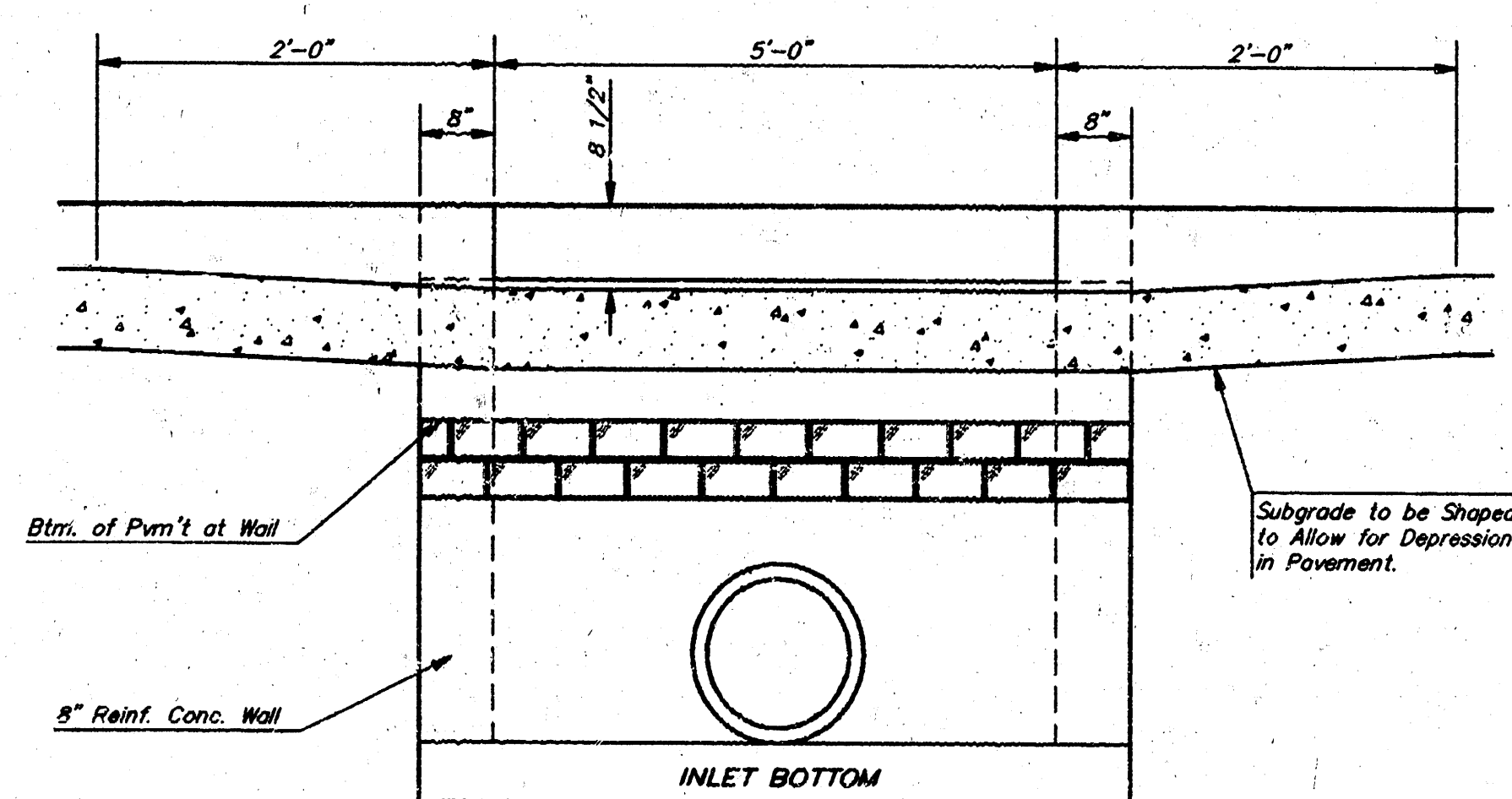


MANHOLE RING AND COVER

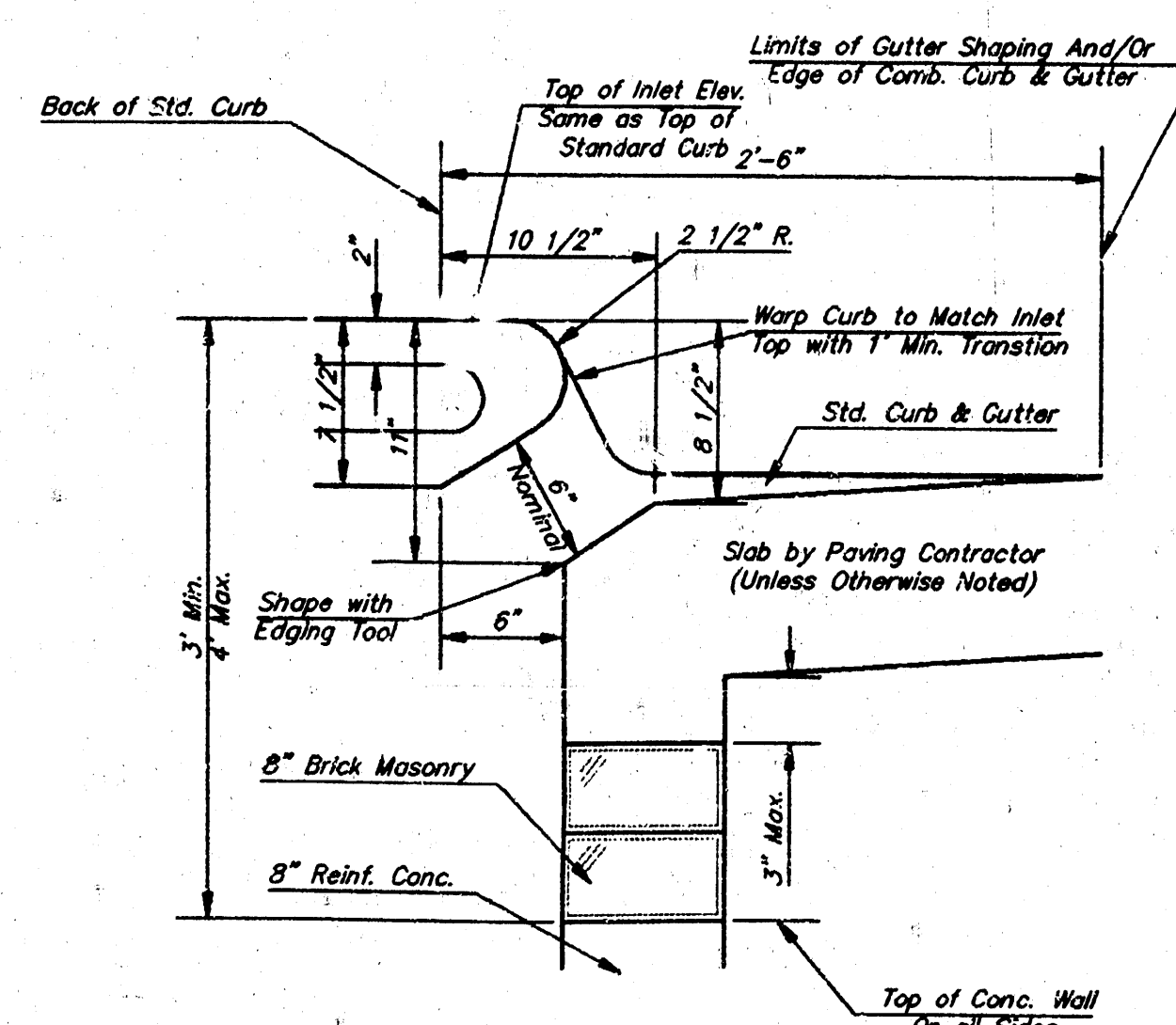
WT. = 180 lbs.
*See City of Wichita Standard Manhole Ring and Cover Detail Sheet for Cover Details to Be Used With Inlet Frame.



BENDING DIAGRAM



SECTION C-C



SECTION B-B

STEEL SCHEDULE											
BAR	a1	a2	a3	a4	a5	a6	a7	a8	a9	a10	WT. Lbs.
NUMBER	4	4	2	1	3	5	7	9	6	1	
SIZE	#4	#4	#4	#4	#4	#4	#4	#4	#4	#4	
LENGTH	W=4'-4"	5'-7"	8'-7"	4'-0"	6'-1"	-	-	-	1'-9"	6'-2"	60±
	W=5'-4"	7'-7"	8'-7"	5'-0"	6'-1"	-	-	-	1'-9"	6'-2"	81±
	W=6'-4"	9'-7"	10'-7"	6'-0"	-	6'-1"	-	-	1'-9"	6'-2"	101±
	W=7'-4"	11'-7"	12'-7"	7'-0"	-	-	6'-1"	-	1'-9"	6'-2"	121±
	W=8'-4"	13'-7"	14'-7"	8'-0"	-	-	-	6'-1"	1'-9"	6'-2"	141±

Note: a3 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 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.
4. The ends of all pipes installed in inlets shall be cut off flush with the inside face of the inlet wall.

Power Plant Addition & Site Improvements Riverside Health Systems WICHITA, KANSAS

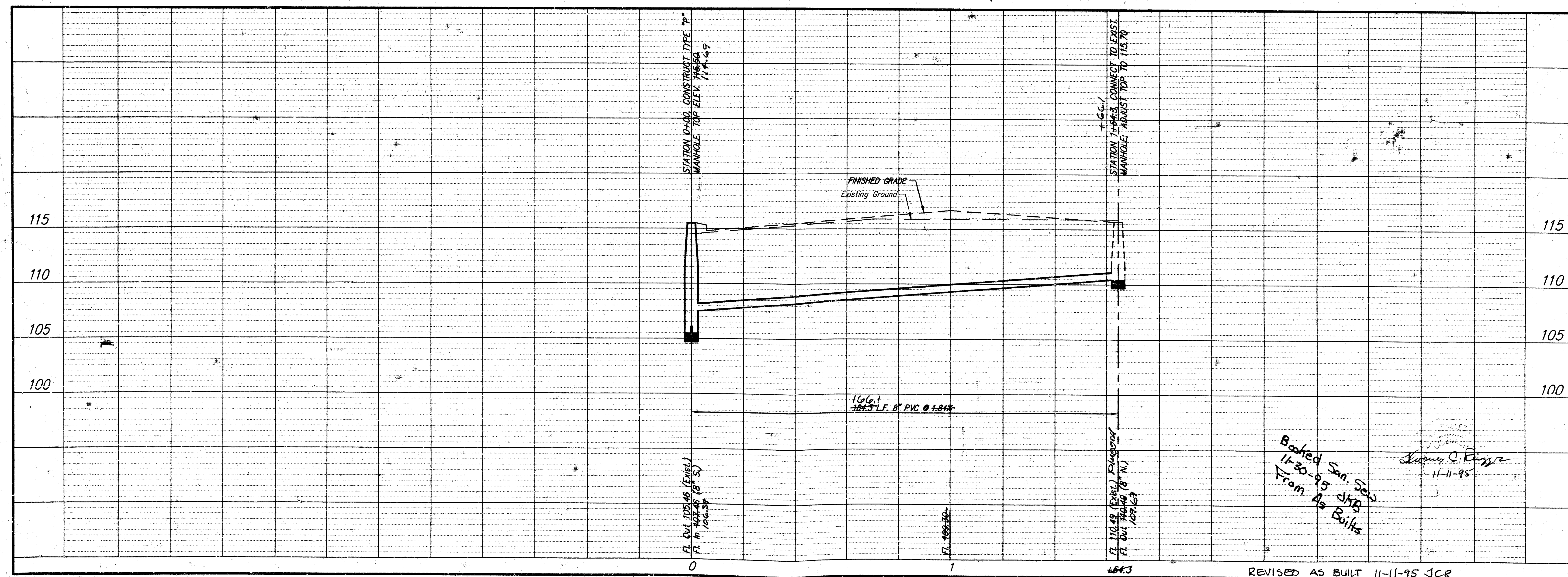


W24 E. 1st Wichita, Kansas 67214

DATE
MARCH 29, 1995

TITLE TYPE 1
INLET DETAILS
SHEET NO.

SG-4



Booked San. Sec
11-30-95 JHB
From As Buils

11-11-95

REVISED AS BUILT 11-11-95 JCR

SRB 924 NORTH MAIN 315-264-8008
WICHITA, KANSAS 67203 FAX 264-4621

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

Project No: 554 PPS (607881)