

PRIVATE STORM SEWER SYSTEM

TO SERVE LOT 1 AND PARTS OF LOTS 2 AND 12,

THE GATEWAY CENTER ADDITION

PRIVATE PROJECT NUMBER 1490 PPS (607861)

INDEX OF SHEETS

1. TITLE SHEET
- 2-3. STORM SEWER PLAN & PROFILE
4. STANDARD DETAILS

BENCHMARK

BENCH MARK: RR SPIKE E. FACE 350' N. OF
FINE MEADOWS ST. E. SIDE OF GREENWICH
ELEV.=198.32

GENERAL NOTES

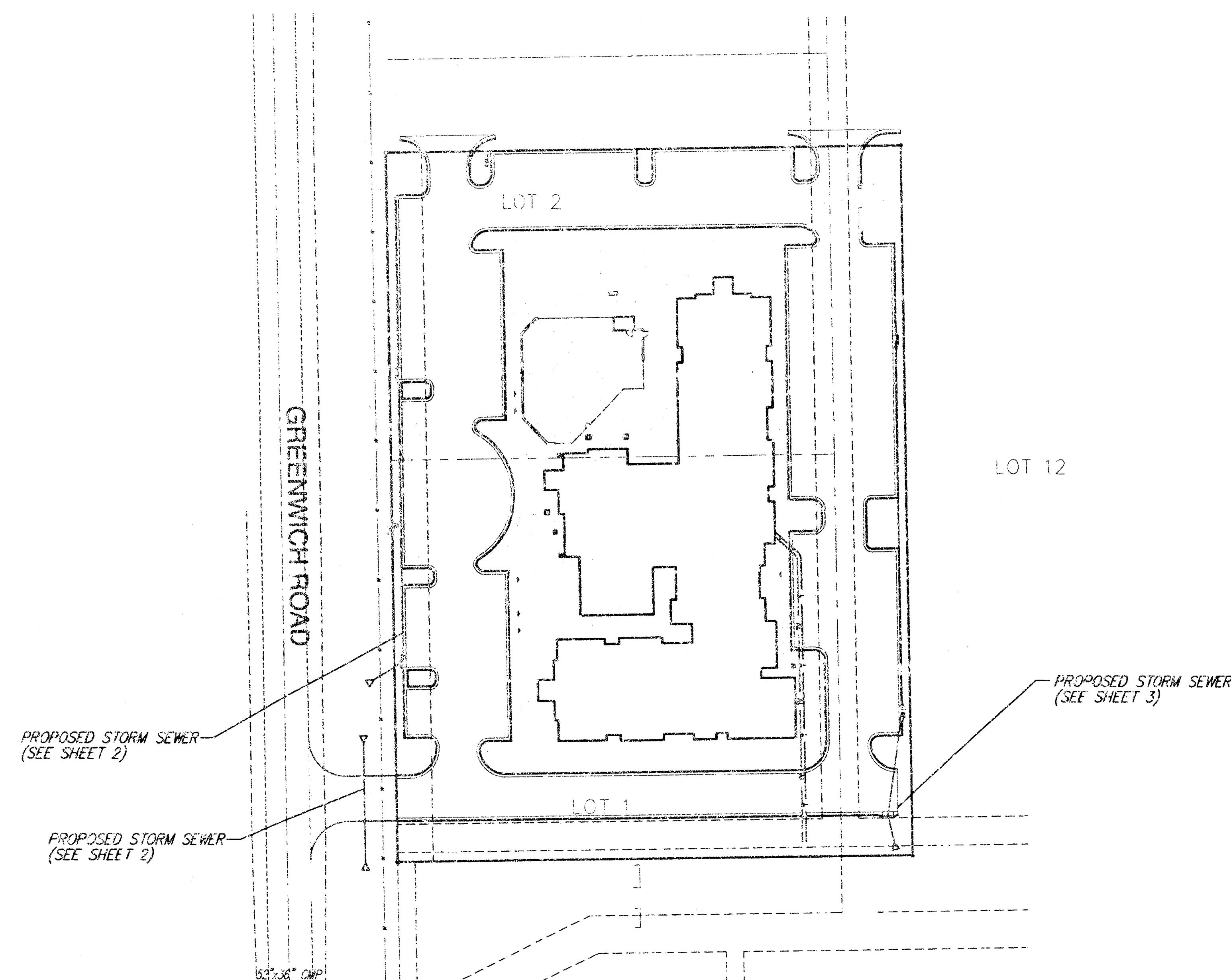
1. Contractor will be required to provide a minimum advance notice of forty-eight (48) hours to utility companies prior to starting any excavation as follows:

Kansas One-Call 687-2470

The Contractor must notify the following in case of an emergency:

Cox Communications	262-0681
Kansas Gas Service	383-8600
Westar	383-8600
Aquila Energy	1-800-303-0357
SBC	1-800-286-8313
City of Wichita Water Department	262-6000
City of Wichita Sewer Maintenance	262-6000

2. Existing utilities and their location, as shown on the plans, represent the best information obtainable for design. Location information has been obtained from the various utility companies and is either from company record drawings or company-provided field locations. The Contractor will be required to work around existing utilities within the right-of-way which do not conflict with proposed construction.
3. Any roof drain connection into the storm sewer system will require a permit from OGI.
4. This project is located within the limits of a larger project which will include building construction. The General Contractor for the project will submit a Storm Water Pollution Prevention Plan for the entire project prior to beginning any work on this project.
5. This project is to be constructed in accordance with City of Wichita Standard Specifications for the Construction of City Projects, and Policy on Construction of Public Works Improvements by Private Contract.
6. No work shall begin on this project before required bonds are submitted to the City of Wichita, and the project inspector has been notified.
7. All areas of public R/W disturbed by construction of this project are to be restored in accordance with Administrative Regulation AR 78 of the City of Wichita.
8. Two-way traffic on Greenwich Road shall be maintained during construction.



APPROVED AS NOTED
BY CITY ENGINEER OF WICHITA

Sanitary Sewers _____

Storm Sewers VRH 11/5/64

Driveway Approaches _____

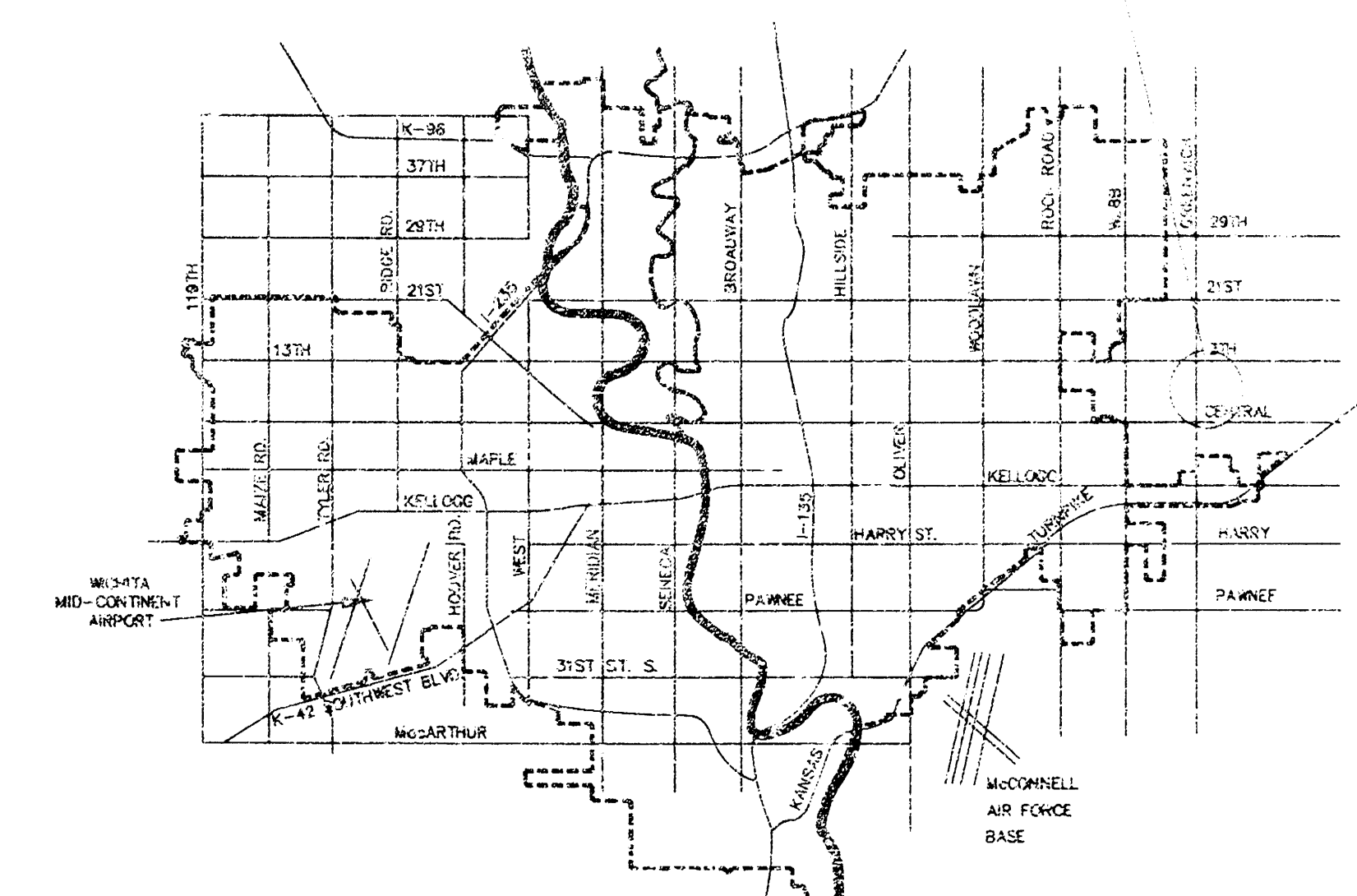
Water Mains _____

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 is 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.

PROJECT AREA



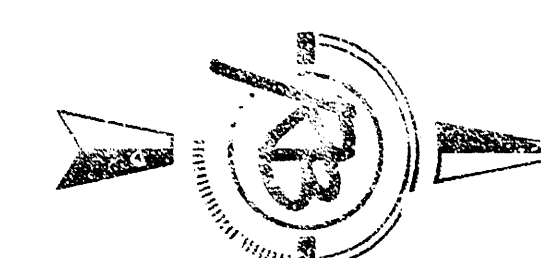
STA 0+00.00 LINE 3
18" RCP END SECTION @ 16.7
S.Y. LIGHT STONE RIPRAP
REGRADE 60 LF EXISTING DITCH
FL = 195.08

STA 0+71.32 LINE 3
18" RCP END SECTION
REGRADE 28 LF EXISTING DITCH
FL = 195.29

STA 0+00.00 LINE 1
18" RCP END SECTION @ 16.7
S.Y. LIGHT STONE RIPRAP
FL = 195.37

STA 0+22.95 LINE 1
CONSTRUCT STD. TYPE II
CURB INLET
TOP = 199.40

STA 1+75.95 LINE 1
CONSTRUCT STD. TYPE II
CURB INLET
TOP = 199.45



SCALE 1" = 20'

NOTE: CONTRACTOR TO VERIFY
LOCATION AND DEPTH OF ALL UTILITIES
PRIOR TO CONSTRUCTION.

BENCH MARK: RR SPIKE E. FACE 360' N. OF
PINE MEADOWS ST. E. SIDE OF GREENWICH
ELEV. = 198.32

LINE 1

STA 0+00.00 LINE 1
18" RCP END SECTION
FL = 194.45

STA 0+75.95 LINE 1
CONSTRUCT STD. TYPE II
CURB INLET
TOP = 199.40

STA 1+75.95 LINE 1
CONSTRUCT STD. TYPE II
CURB INLET
TOP = 199.45

EXISTING GAS LINE
EXISTING 16" WATER
EXISTING BELL
TELEPHONE

FINISHED GRADE
EXISTING GRADE

PROPOSED 4"
WATER LINE
PROPOSED 8" FIRE
PROTECTION LINE
PROPOSED GAS LINE

22.95 LF 18" RCP @ 0.78%

153.00 LF 15" RCP @ 0.44%

FL(S) = 195.37
0+00

FL(S) = 195.59
FL(S) = 196.65
+71.32

FL(S) = 196.32
+71.32

LINE 3

STA 0+00.00 LINE 3
18" RCP END SECTION

STA 0+71.32 LINE 3
18" RCP END SECTION

FINISHED GRADE
EXISTING GRADE

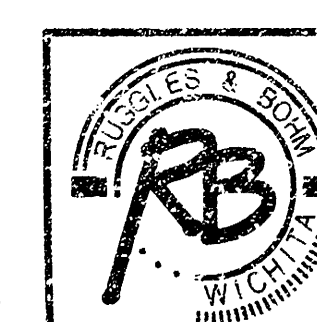
71.32 LF 18" RCP @ 0.30%

FL(S) = 195.08
0+00

FL(S) = 195.29
+71.32

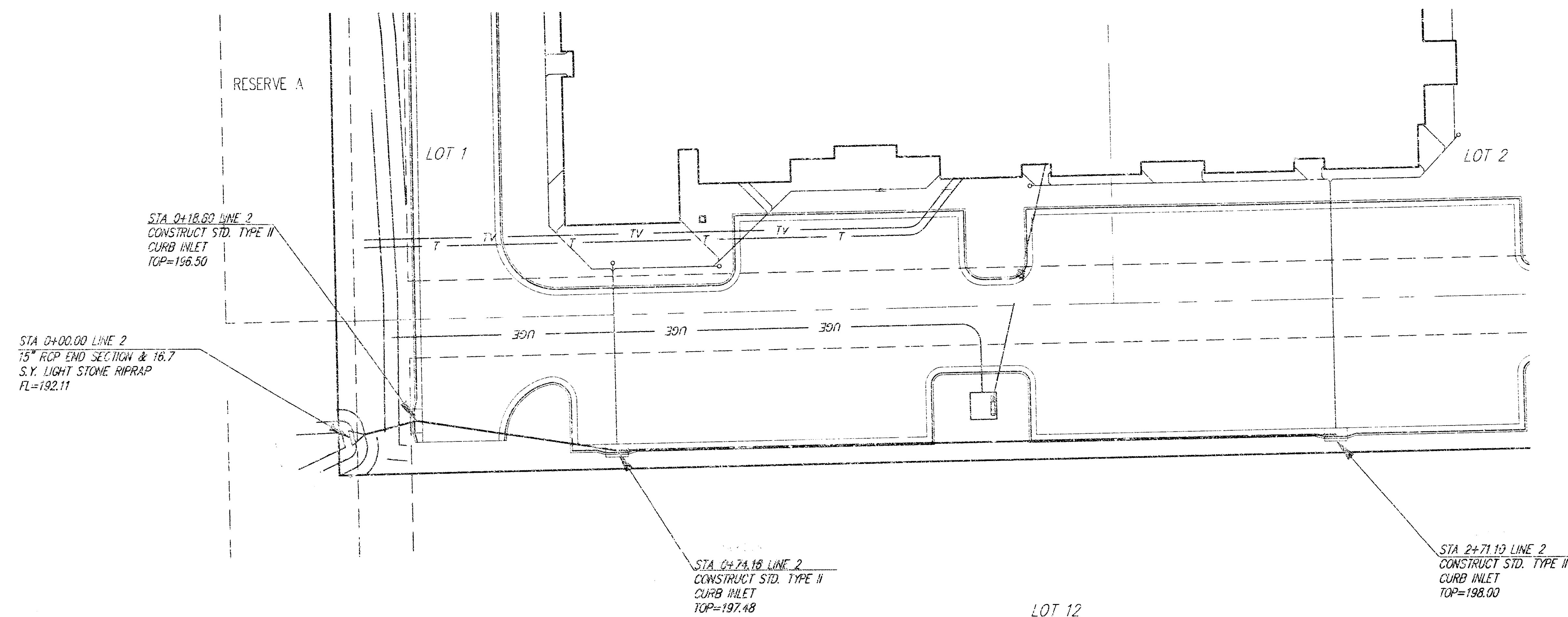
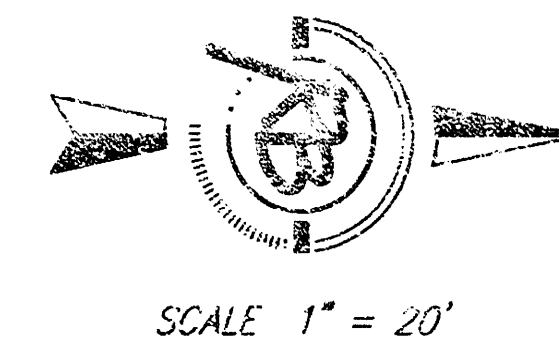
SCALE
HORZ. 1" = 20"
VERT. 1" = 5'

RESIDENCE INN
Storm Sewer Profile
SEDGWICK COUNTY, KANSAS



Ruggles & Bohm, P.A.
Engineering, Surveying, Land Planning
924 North Main
Wichita, Kansas 67203
www.rtk-kansas.com
(316) 264-6008
(316) 264-4621 fax
E-mail: info@rtk-kansas.com

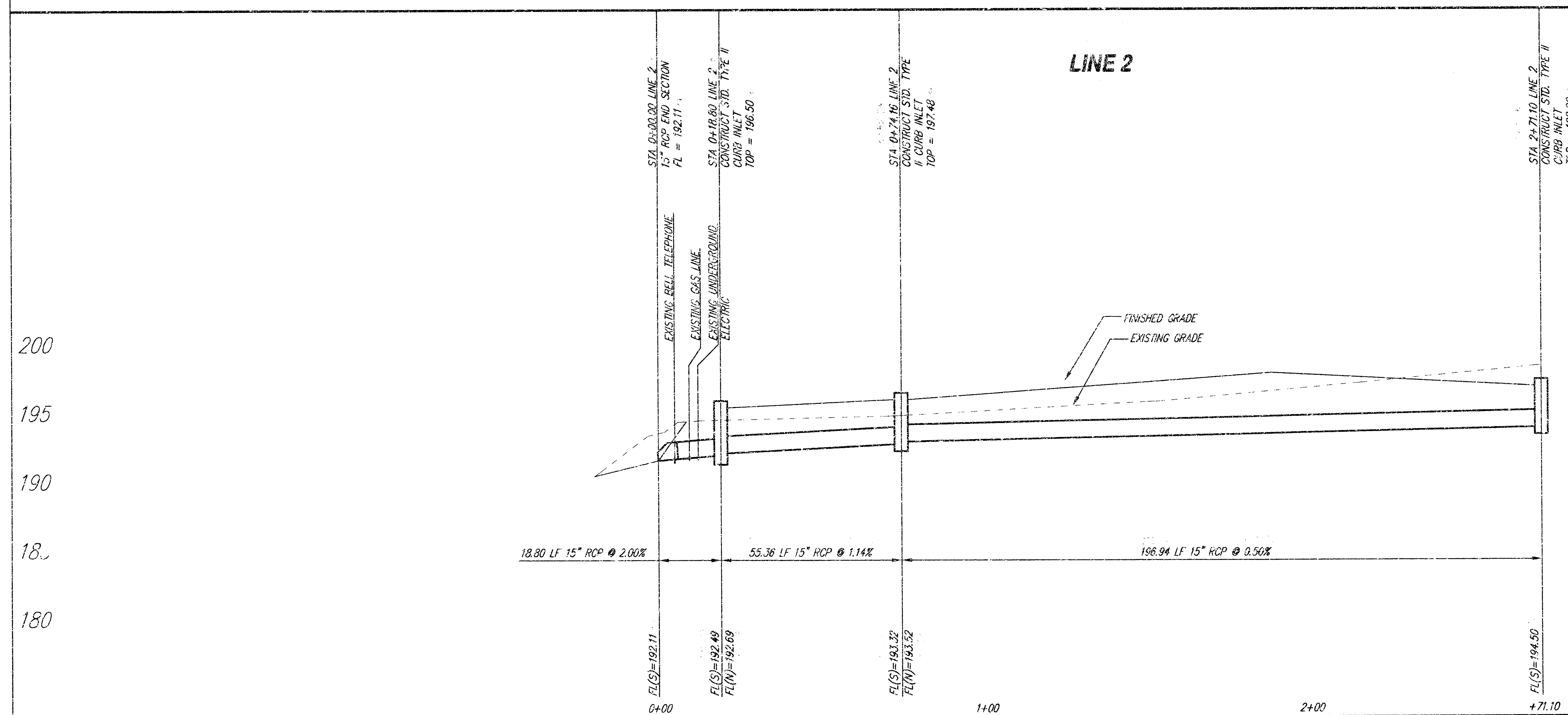
SHEET
26.3E
2
OF
4



NOTE: CONTRACTOR TO VERIFY
LOCATION AND DEPTH OF ALL UTILITIES
PRIOR TO CONSTRUCTION.

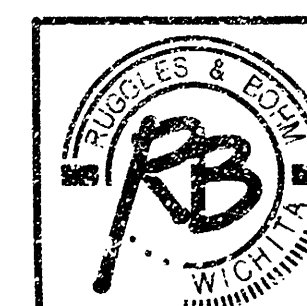
BENCH MARK: RR SPIKE E. FACE 360\"/>

SCALE
HORZ. 1\"/>



200
195
190
185
180

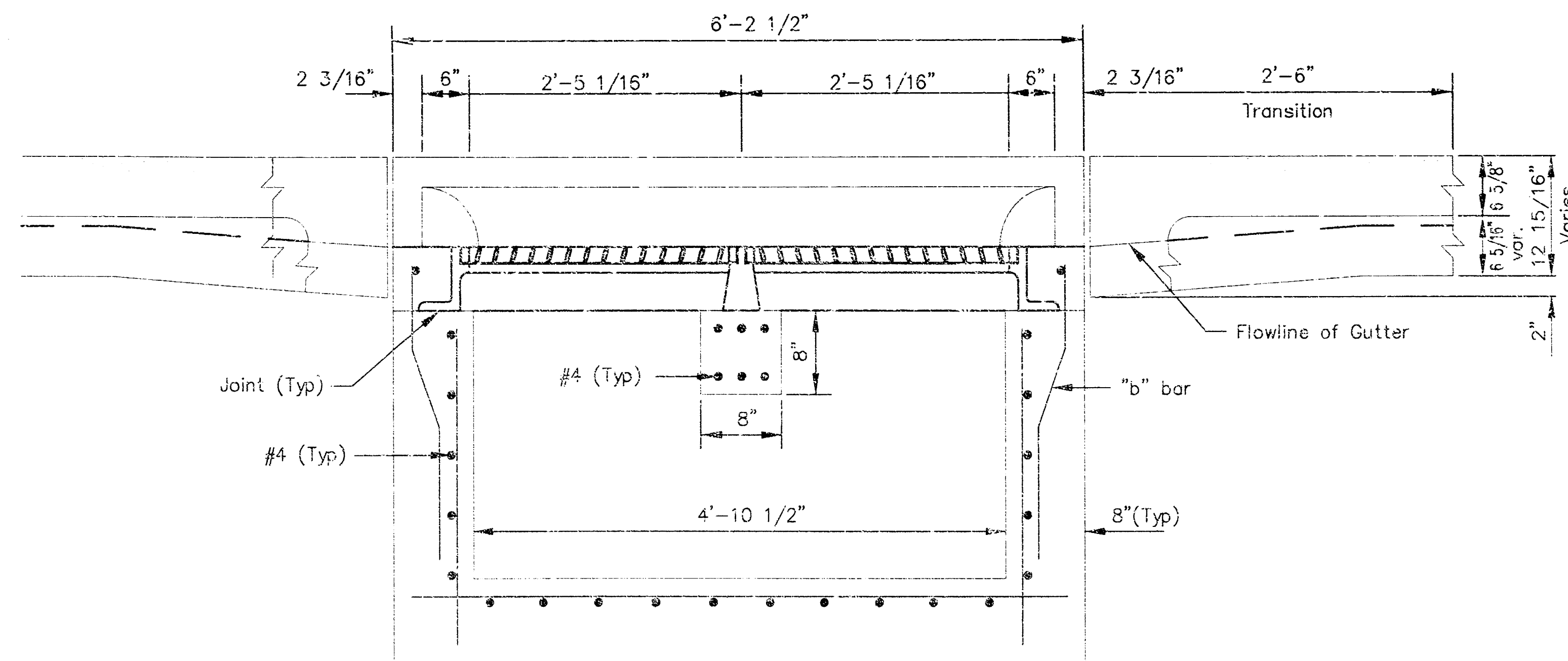
Residence Inn
Storm Sewer Profile
SEDGWICK COUNTY, KANSAS



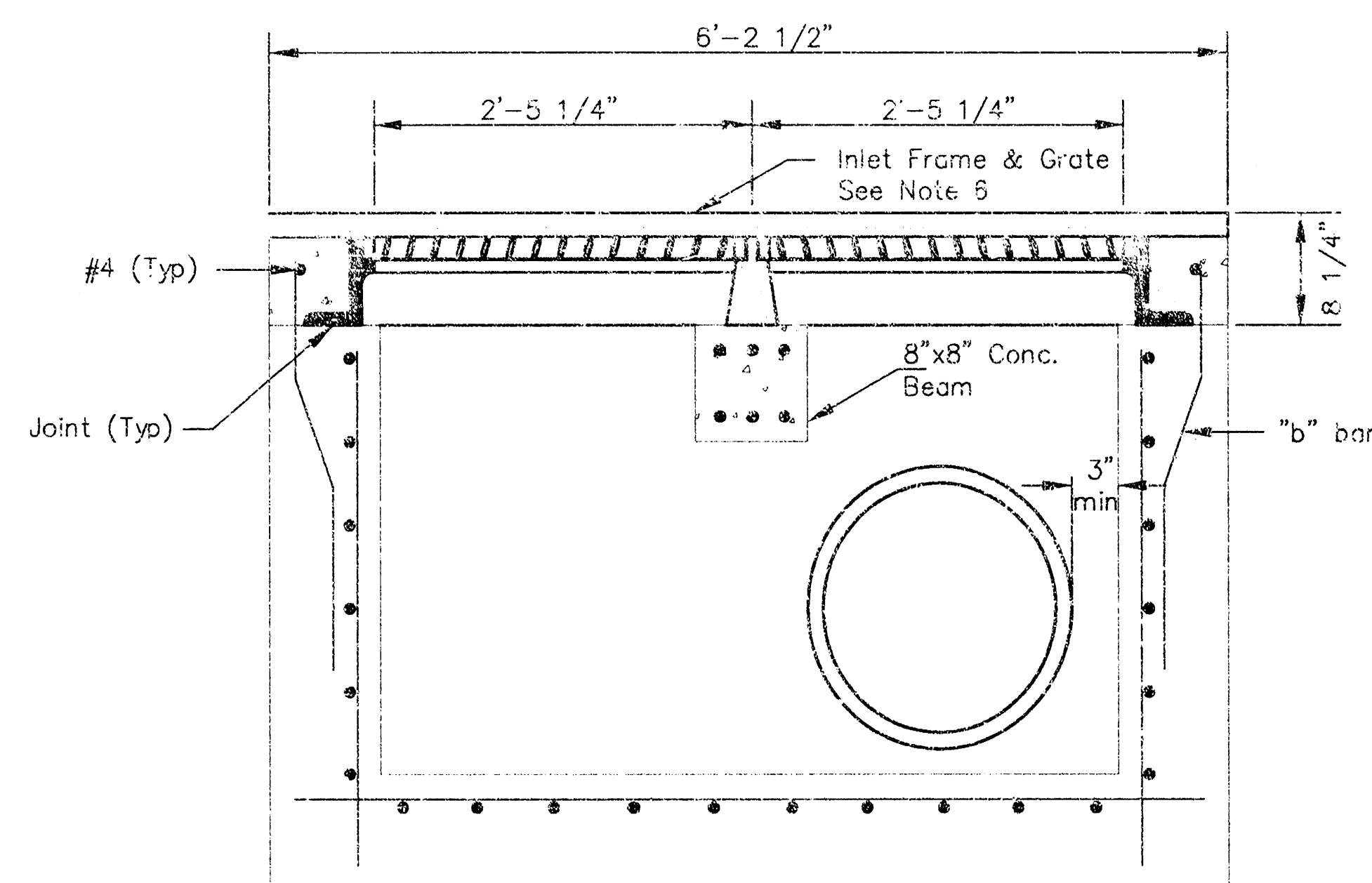
Ruggles & Bohm, P.A.
Engineering, Surveying, and Planning
924 North Main
Winchilla, Kansas 67203
www.rbkansas.com
(316) 264-8008
(316) 264-4621 fax
E-mail: info@rbkansas.com

REVISION	DATE	BY	CHKD
1	08/10/11	JLB	JLB
2	08/10/11	JLB	JLB
3	08/10/11	JLB	JLB
4	08/10/11	JLB	JLB

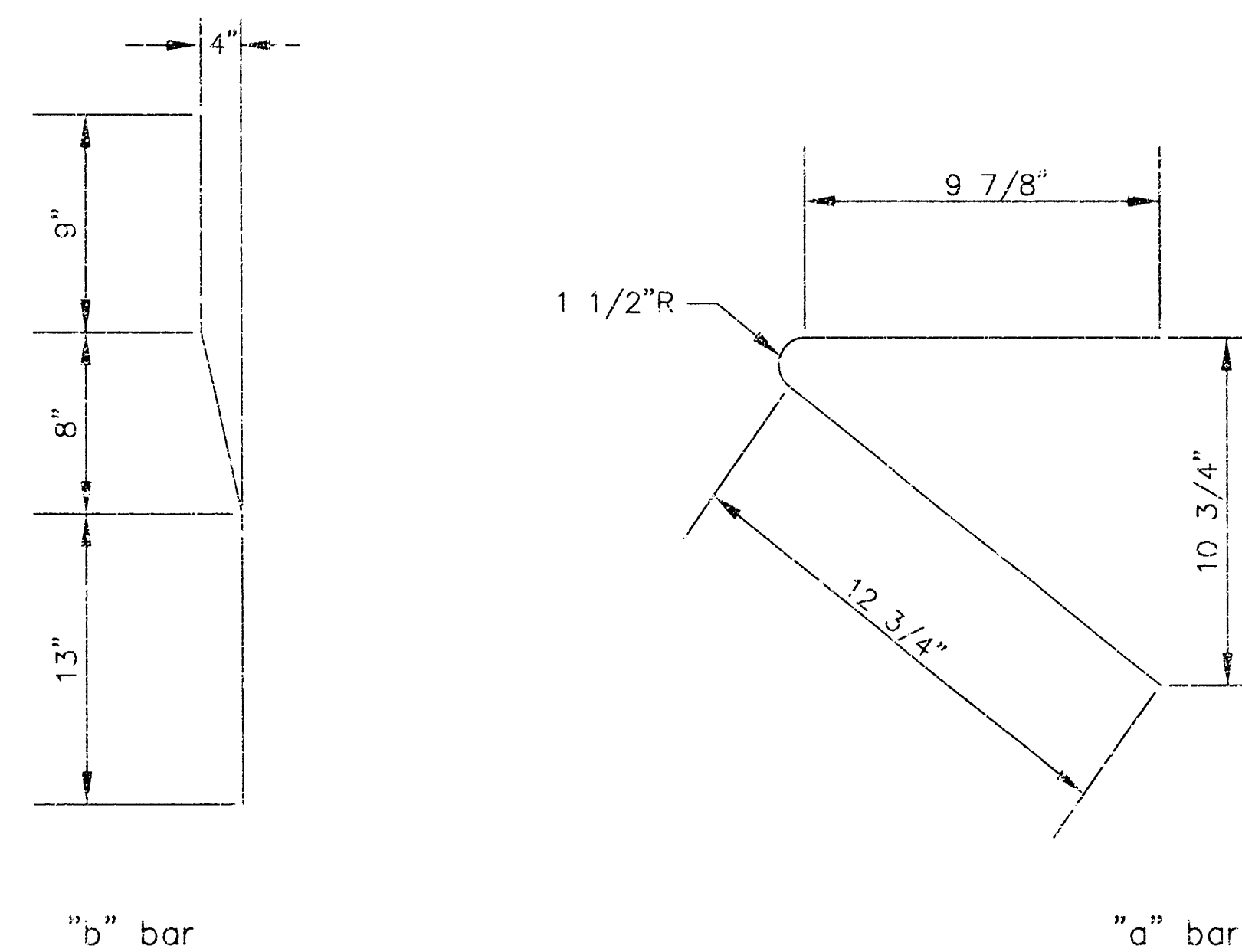
2613E
SHEET
4



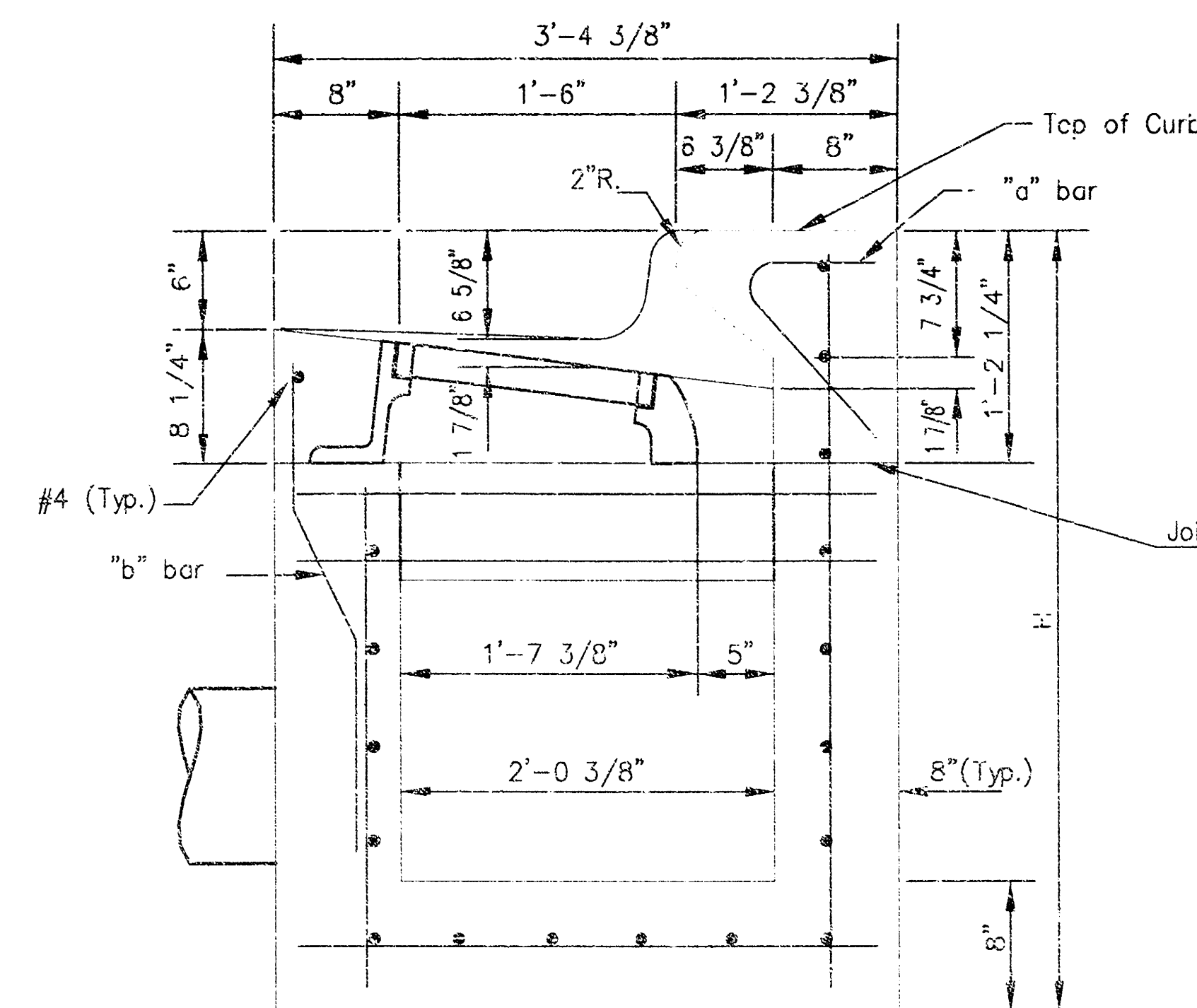
SECTION C-C



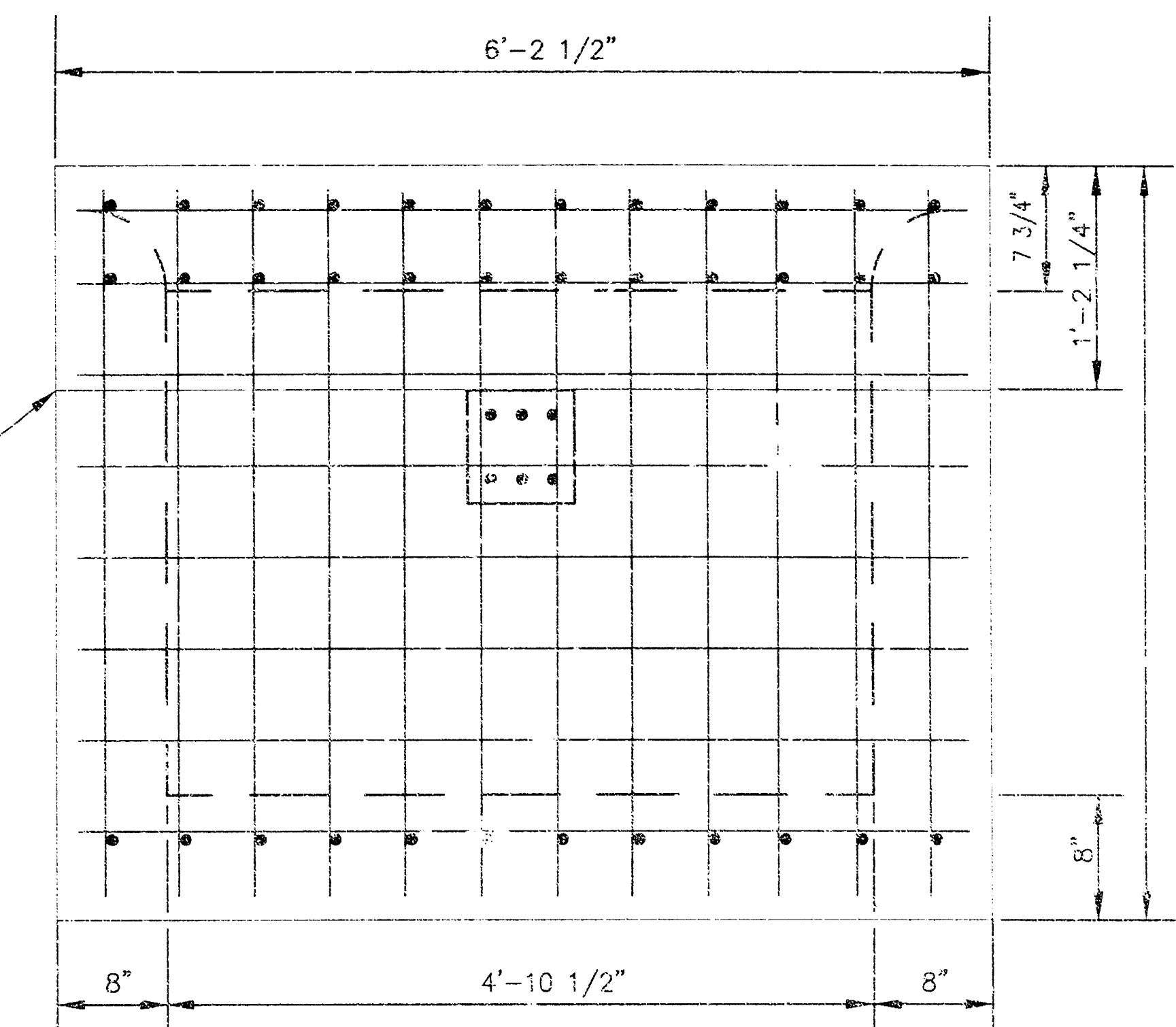
SECTION D-D



BENDING DIAGRAM



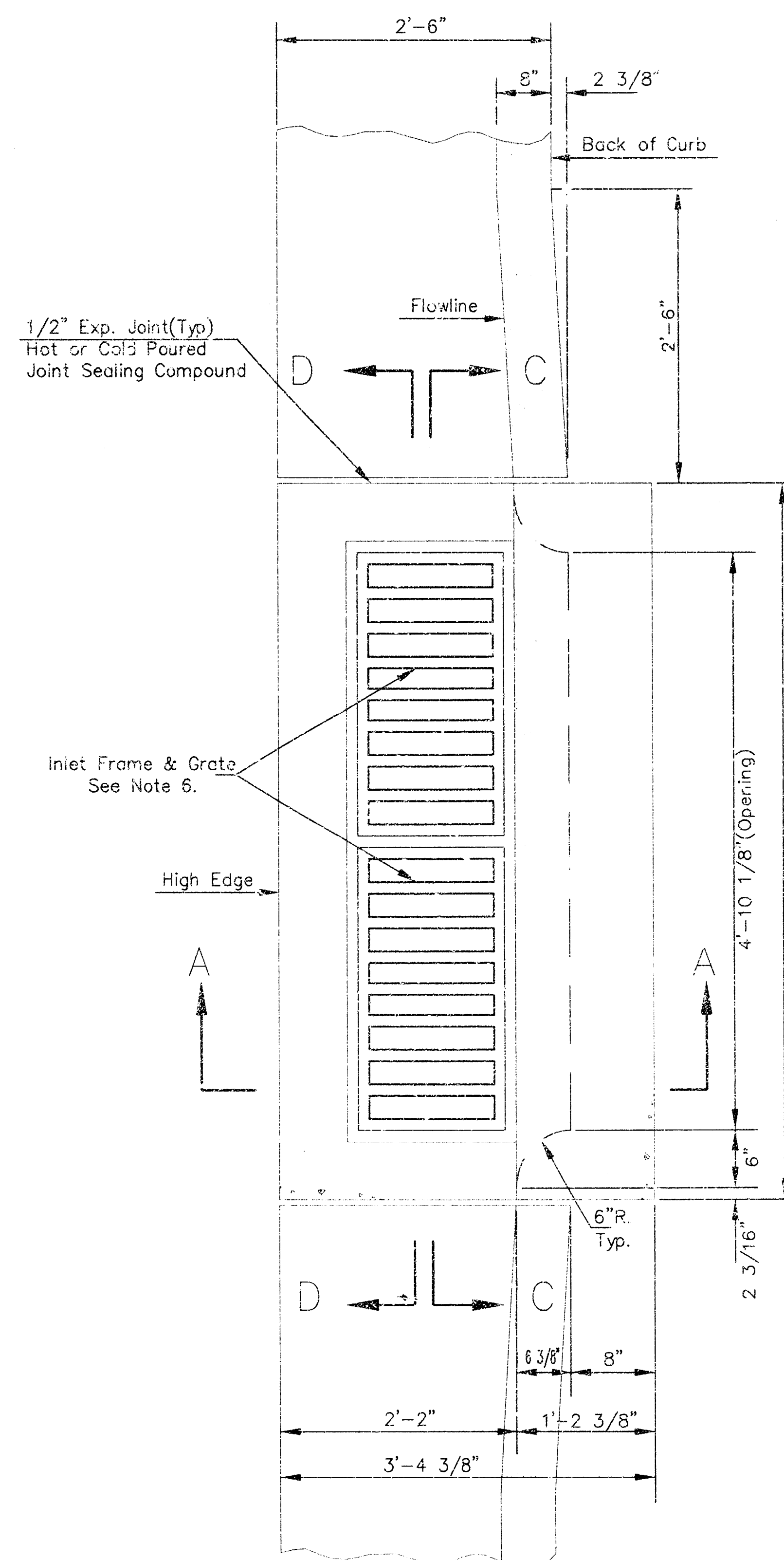
SECTION A-A



REAR WALL

GENERAL NOTES

1. Use the concrete mix specified for the City of Wichita concrete pavement throughout. All exposed edges shall be finished with an edging tool. Reinforcing bars shall be bent around pipe.
2. Inlet invert shall be shaped with 8 sack 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.
3. All bars are #4 with 6" spacing and shall have a minimum clearance of 1 1/2 inches unless otherwise noted on the plans.
4. When directed by the Engineer, a small opening may be required in the back of the inlet in order to drain a low area. Reinforcing bars will extend through the openings. No deductions in concrete quantities will be made for these openings.
5. No deductions will be made in pay length of curb, gutter, or curb and gutter through the inlet area.
6. Use Neenah R-3288 HV Inlet Frame with Two Piece Grate or approved equal. Inlet frame to be proof load tested to 40,000 lbs. on unsupported side.
7. Reinforcing bars shall be cut or bent around pipes. No deduction in concrete quantities shall be made for pipe openings.
8. The vanes of the grate shall be oriented with respect to the flow arrows shown on the plans.
9. DEETER FOUNDRY, Inc. casting No. 2442/43 with style H grate is an approved equal to NEENAH castings specified. Inlet drawing is based on NEENAH castings and concrete walls and supports will require some field modification to accommodate DEETER castings.



THE CITY OF WICHITA CITY ENGINEER'S OFFICE CITY HALL - SEVENTH FLOOR 455 NORTH MAIN STREET WICHITA, KANSAS 67202 (316) 268-4401 (316) 268-4114 FAX		STANDARD TYPE II INLET OPENING = 6"x4'-10 1/8"	
PROJECT NUMBER		OCA #	
DATE MAR 96	SHEET 4 OF 4		