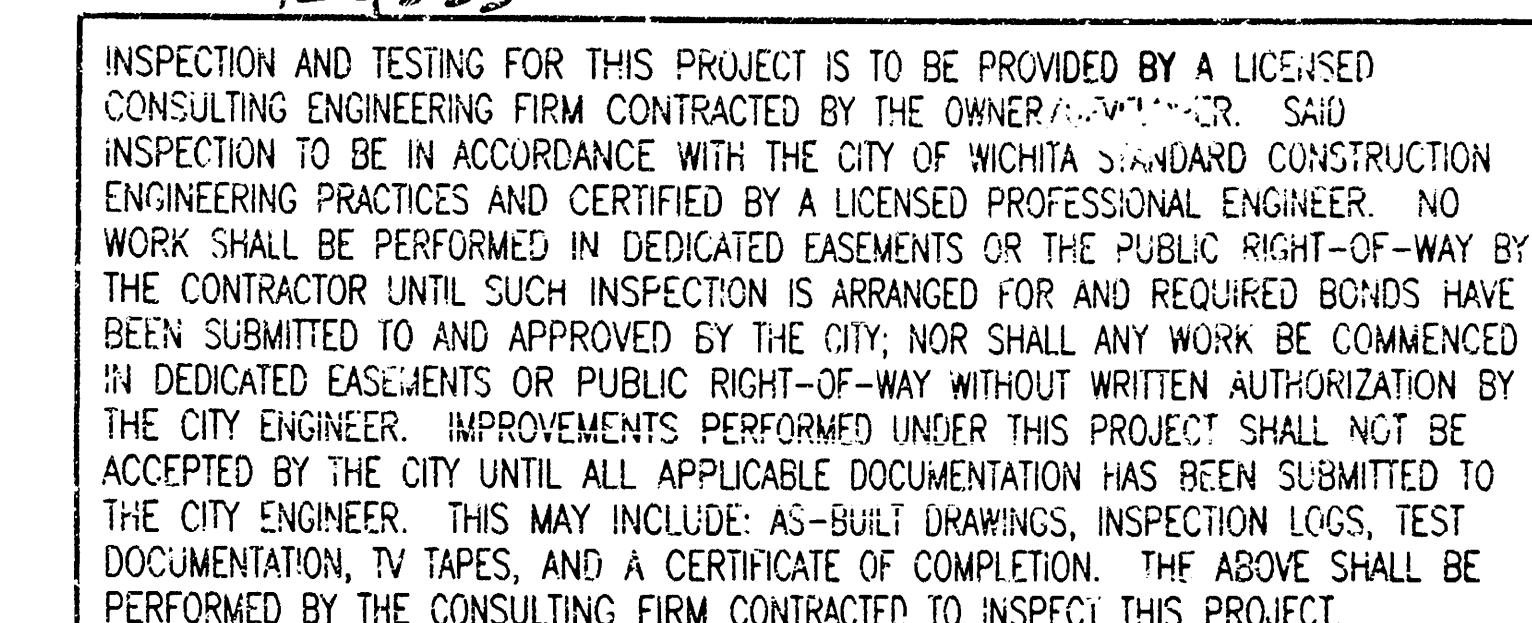


SHEET NO.	TOTAL SHEETS
C1	5

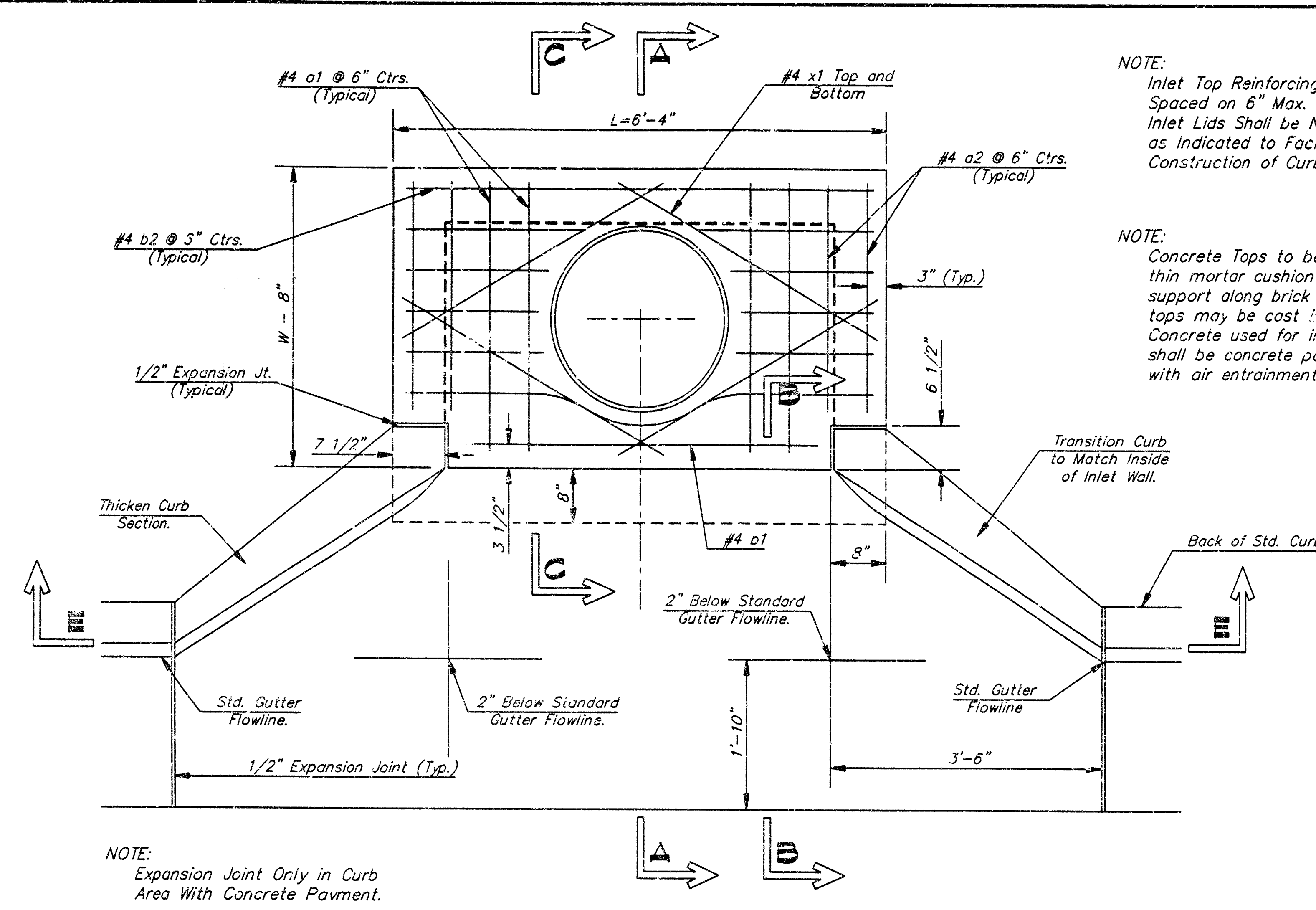
C1 TITLE SHEET
C2 UTILITY PLAN
C3 STANDARD TYPE 1A CURB INLET DETAILS
C4 R.C. MANHOLE DETAILS
C5 INLET PROTECTION AND AREA INLET DETAILS
C6 GRADING PLAN
C7 PAVING PLAN
C8 MISCELLANEOUS PAVING DETAILS
C9 DRIVEWAY DETAILS

ALL CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH CITY OF WICHITA
STANDARD SPECIFICATIONS.

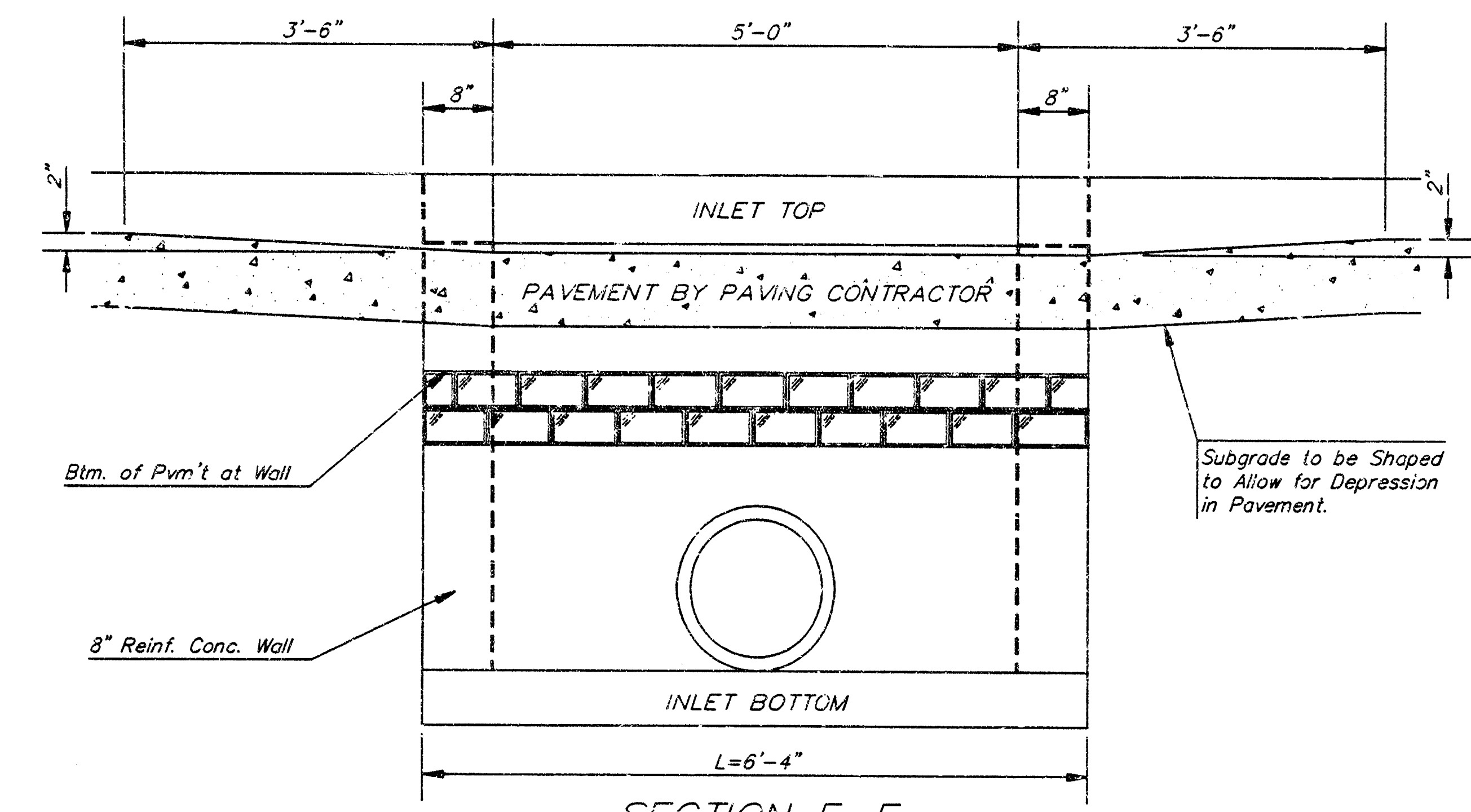
DATA/IC



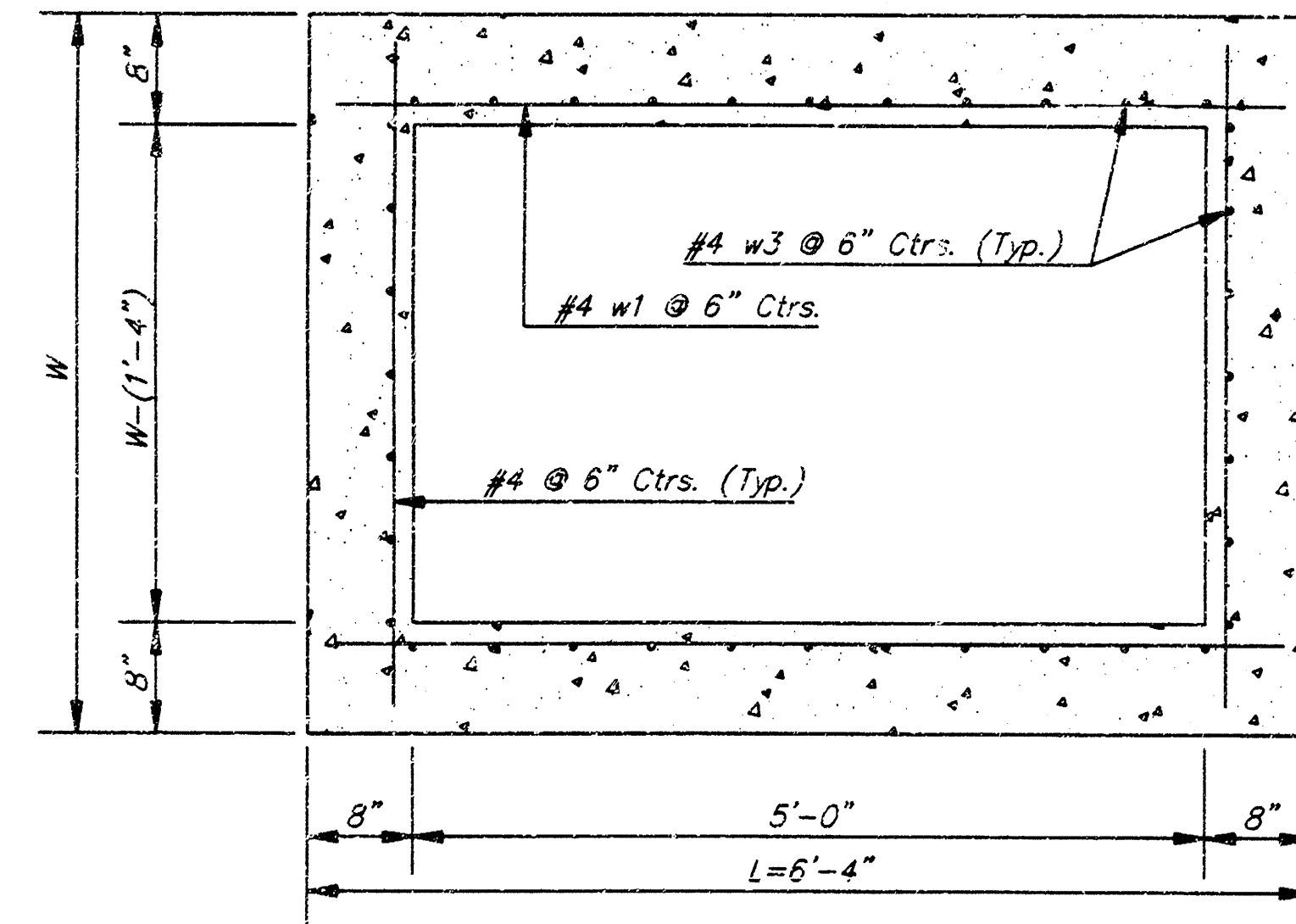




PLAN



SECTION E-E



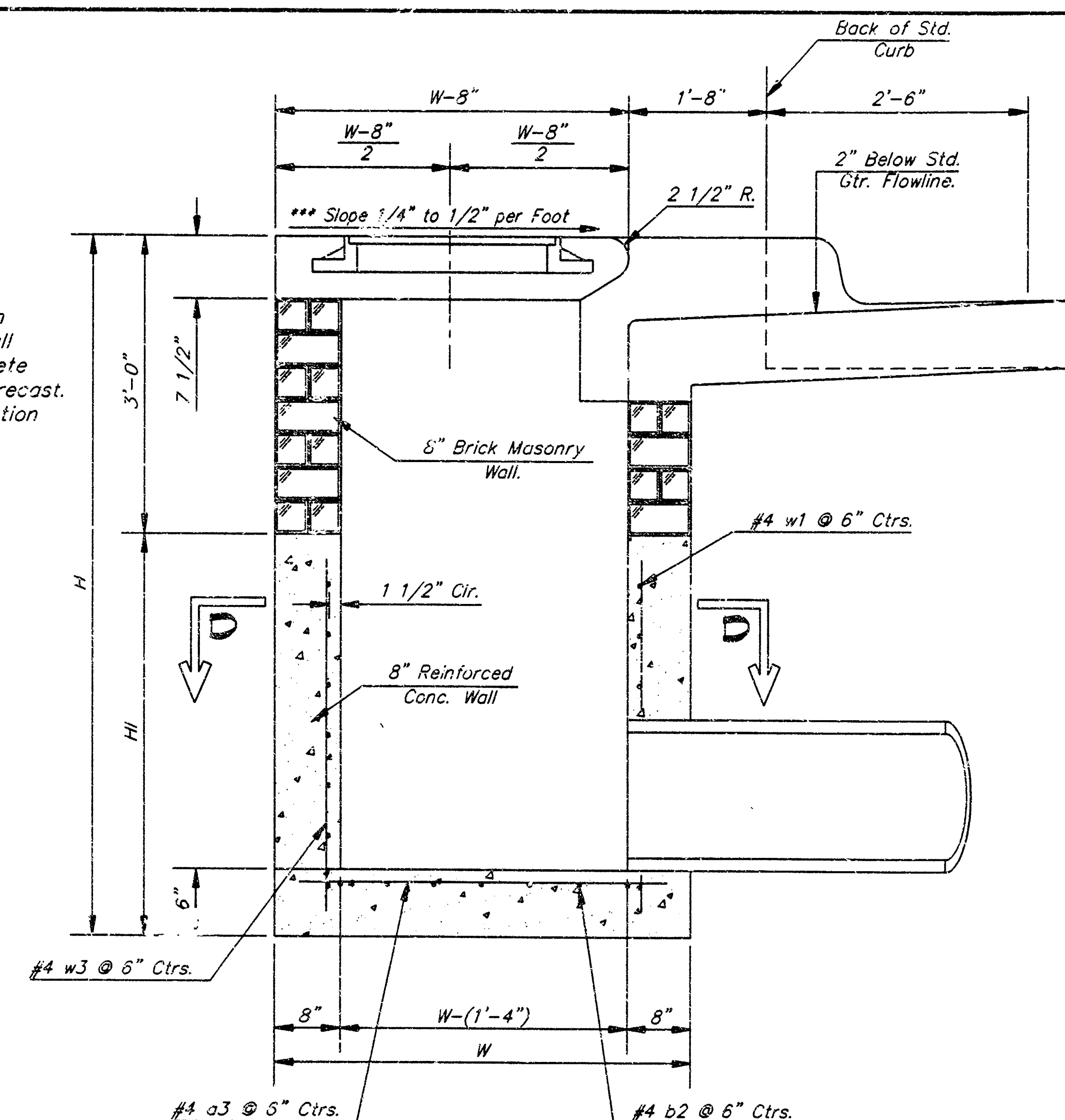
SECTION D-D

NOTE: 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.

Additional curb and gutter construction necessary to connect set-back inlet to pavement will be paid for at the unit price bid for each inlet hookup.

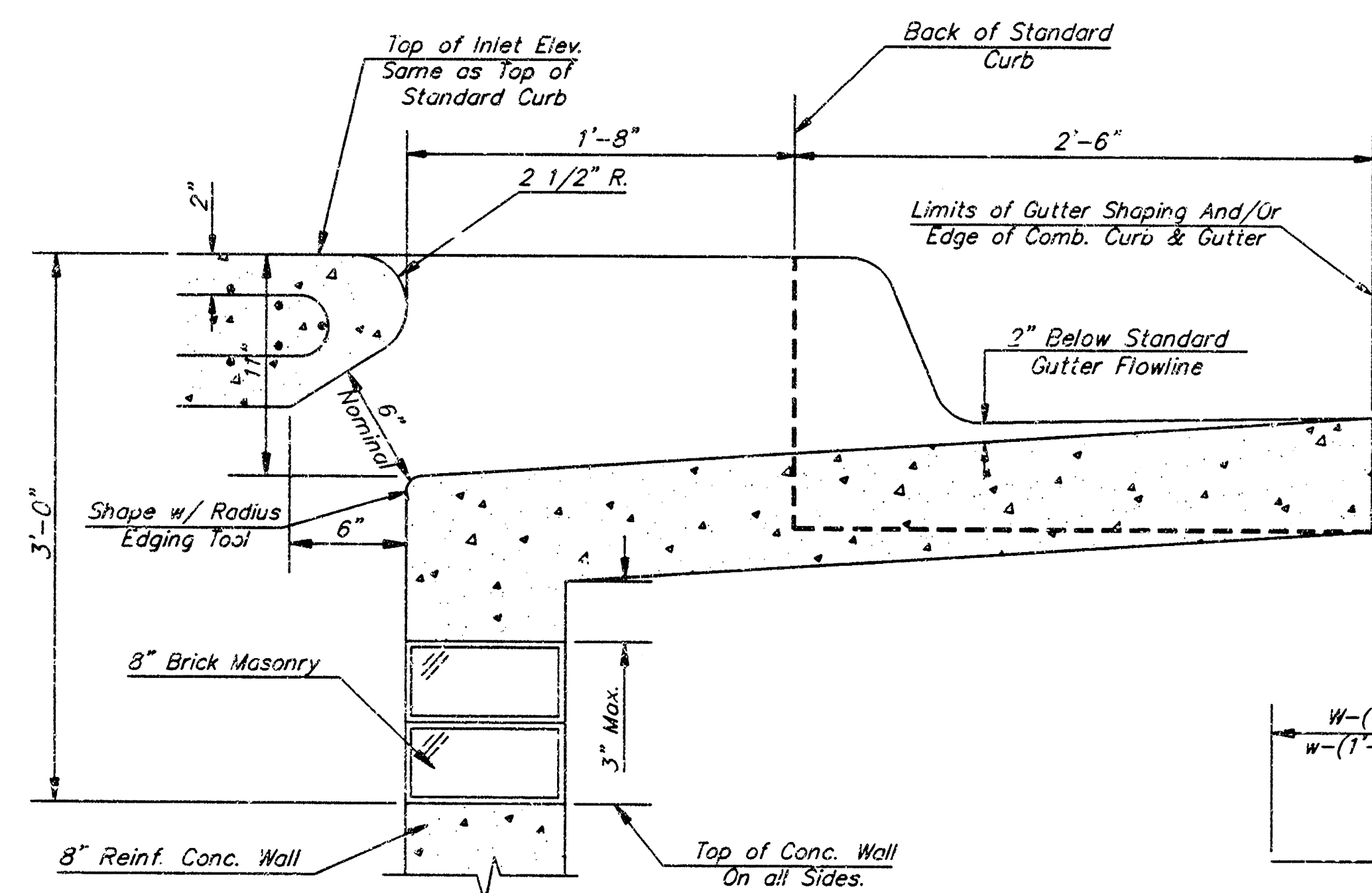
Inlet invert shall be shaped with 8 sack sand mix concrete to create flow channels and to increase hydraulic efficiency such that the inlet will be self-cleaning between all inlet and/or outlet pipes.

The ends of all pipes installed in inlets shall be cut off flush with the inside face of the inlet wall



SECTION A-A

***NOTE: Slope of Inlet tops to match Sidewalk or Parking Slopes within Limits Indicated.



SECTION B-B

PRECAST SLAB AND FLOOR REINFORCING											
W = 4'-4"			W = 5'-4"			W = 6'-4"			W = 7'-4"		
MARK	SIZE	NO.	MARK	SIZE	NO.	MARK	SIZE	NO.	MARK	SIZE	NO.
a1	#4	6	a1	#4	6	a1	#4	6	a1	#4	6
a2	#4	4	a2	#4	4	a2	#4	4	a2	#4	4
a3	#4	13	a3	#4	13	a3	#4	13	a3	#4	13
b1	#4	1	b1	#4	1	b1	#4	1	b1	#4	1
b2	#4	23	b2	#4	29	b2	#4	41	b2	#4	47
x1	#4	8	x1	#4	8	x1	#4	8	x1	#4	8

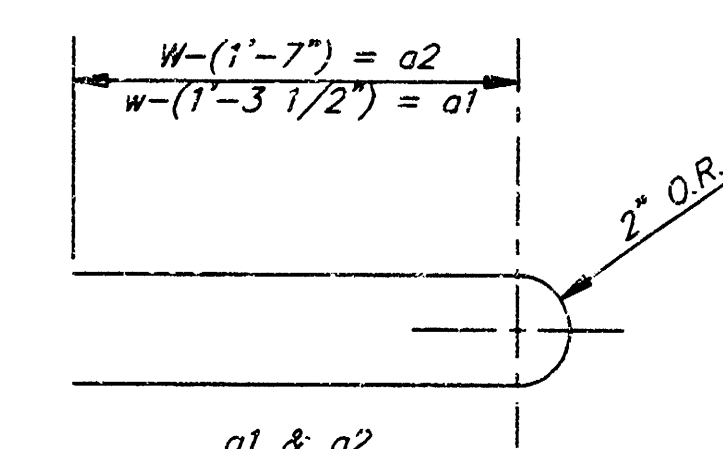
WALL REINFORCING

W = 4'-4"			W = 5'-4"			W = 6'-4"			W = 7'-4"		
MARK	SIZE	NO.	MARK	SIZE	NO.	MARK	SIZE	NO.	MARK	SIZE	NO.
w1	#4	1	w1	#4	1	w1	#4	1	w1	#4	1
w2	#4	1	w2	#4	1	w2	#4	1	w2	#4	1
w3	#4	32	w3	#4	36	w3	#4	40	w3	#4	44

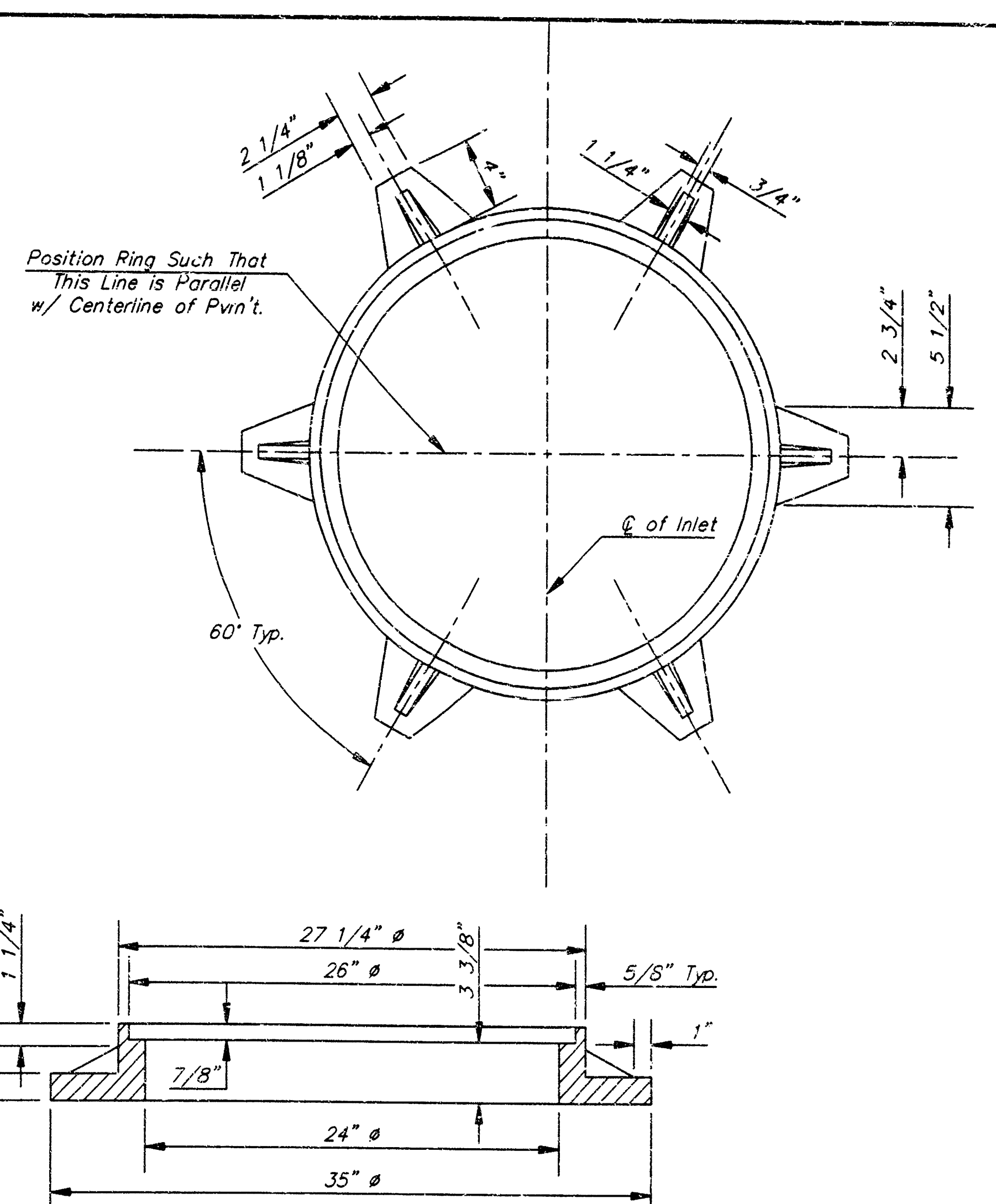
* Field Bend or Cut Reinforcing as Required for Clearance.

① 4 (Hl - 12") (Hl - 21") Rounded down to nearest 0.5"

② Hl - 3"



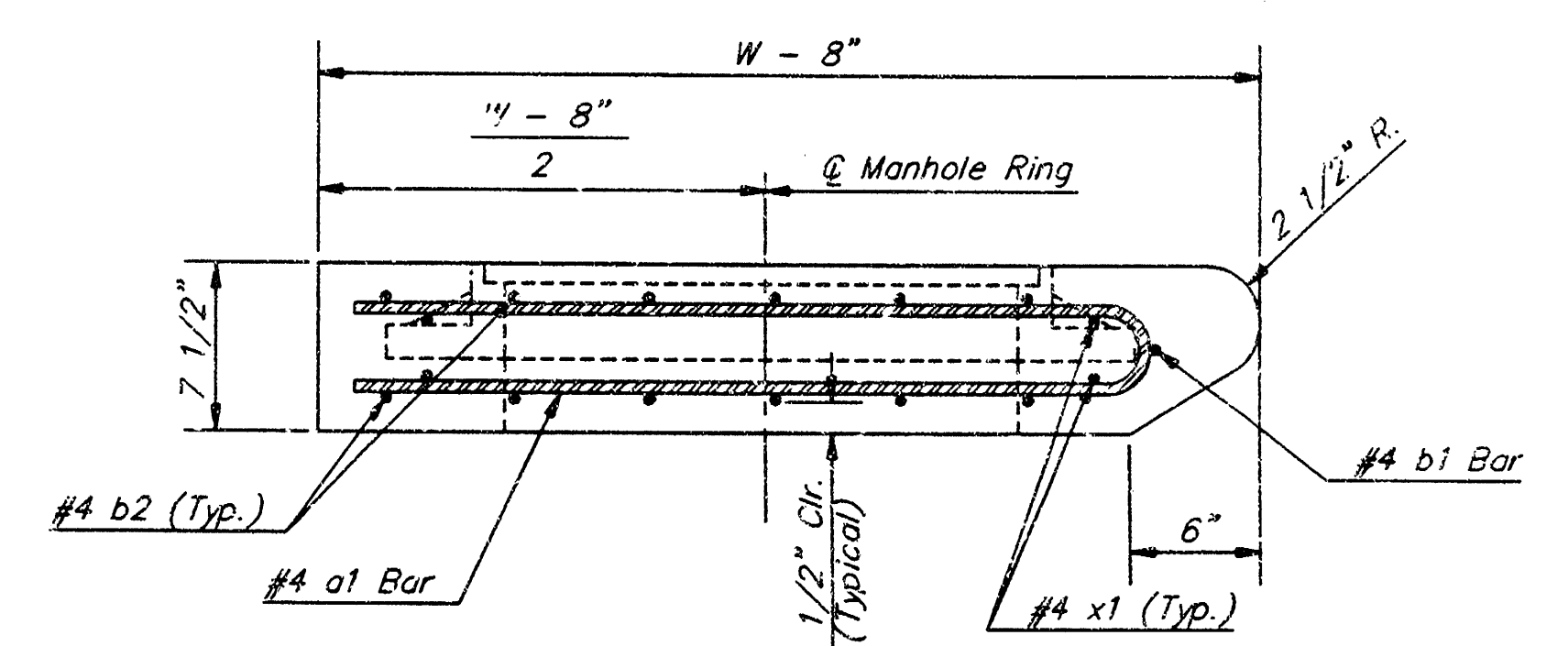
BENDING DIAGRAM



MANHOLE RING AND COVER

Weight = 180 Lbs.

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



SECTION C-C

STANDARD CURB INLET PRECAST TOPS			
W	PRE-CAST TOP SIZE	PIPE SIZE	CU. YD. CONC.
4'-4"	3'-8" x 6'-4" x 7 1/2"	21" & SMALLER	0.38±
5'-4"	4'-8" x 6'-4" x 7 1/2"	24" & 30"	0.51±
6'-4"	5'-8" x 6'-4" x 7 1/2"	36" & 42"	0.64±
7'-4"	6'-8" x 6'-4" x 7 1/2"	48" & 54"	0.77±
8'-4"	7'-8" x 6'-4" x 7 1/2"	60" & 66"	0.90±

THE CITY OF WICHITA

STANDARD TYPE 1-A CURB INLET

OPENING = 6" x 5'-0"

L=6'-4"

M. E. LINDEBAK P.E. - CITY ENGINEER

PROJECT NUMBER

INDEX CODE

DATE

AUG. 98

SHEET C3

CITY ENGINEER'S OFFICE

CITY HALL - SEVENTH FLOOR

435 NORTH MAIN STREET

WICHITA, KANSAS 67202

(316) 268-4501

(316) 268-4114 FAX

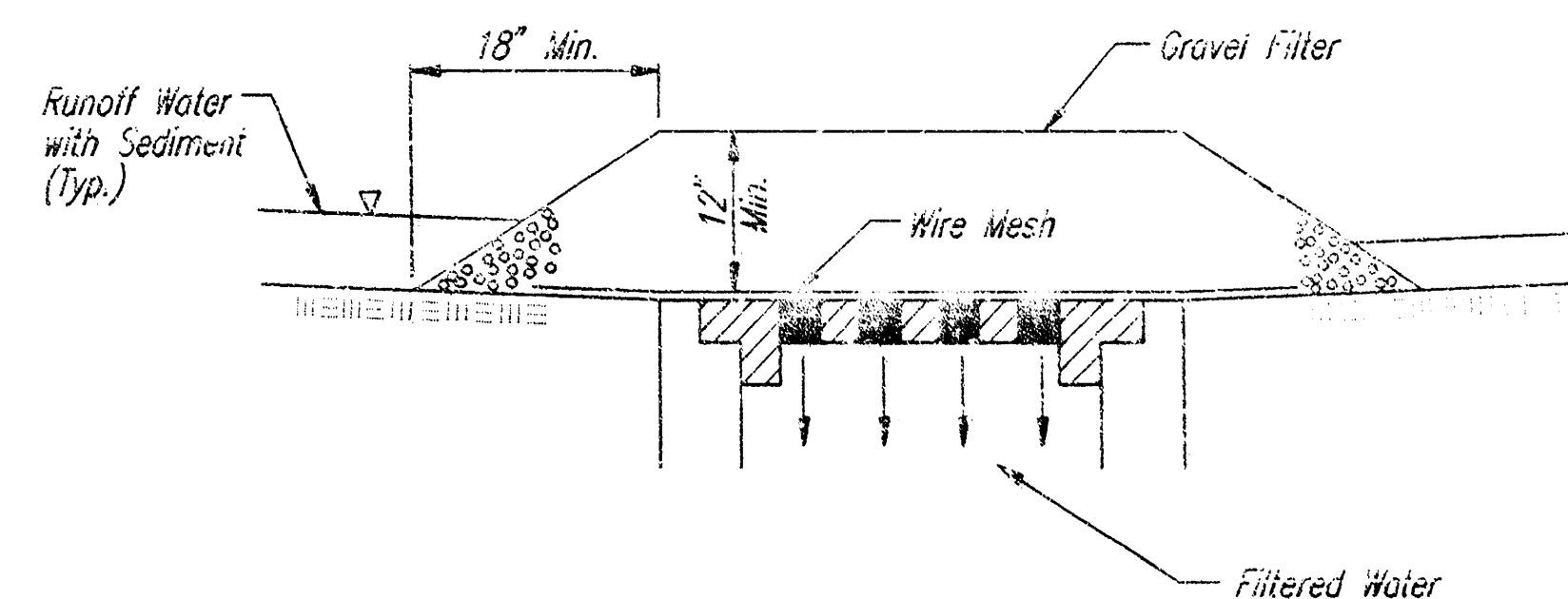
GENERAL NOTES INLET PROTECTION

1. INLET PROTECTION METHOD MAY BE ANY OF THE APPLICABLE TYPES SHOWN, AT THE CONTRACTOR'S OPTION.
2. GRAVEL FILTER SHALL BE A DURABLE, WELL-GRADED SAND-GRAVEL OR CRUSHED STONE, MAXIMUM 1-1/2 IN. SIZE. AS AN ALTERNATE GRAVEL FILLED BAGS OF BURLAP OR OTHER FABRIC MAY BE USED. WHERE BAGS ARE USED, THE WIRE SCREEN, WHERE SHOWN, MAY BE OMITTED.
3. FILTER FABRIC, WHERE USED, SHALL BE RESISTANT TO ULTRAVIOLET LIGHT. MATERIALS MAY BE SUPPLIED BY THE FOLLOWING MANUFACTURERS:

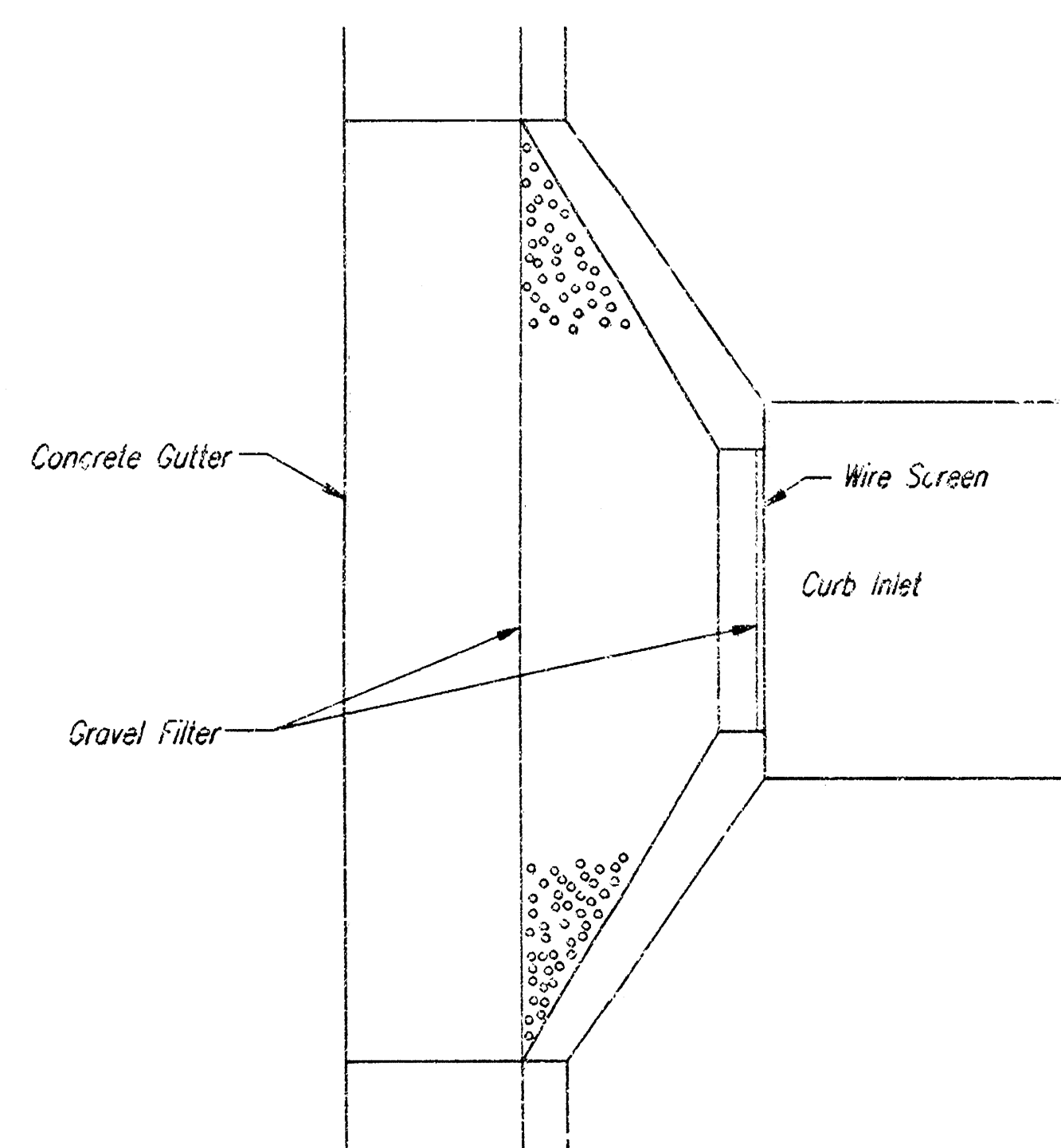
MIRAFI, INC. - 100X
HOECHST FIBERS INDUSTRIES - TREVIRA 1115
EXXON - T-FAR 3301 W

MATERIALS SUPPLIED BY THE ABOVE NAMED MANUFACTURERS SHALL BE ACCEPTED UPON VISUAL INSPECTION BY THE ENGINEER. OTHER COMPARABLE MATERIALS MAY BE USED IF APPROVED BY THE ENGINEER.

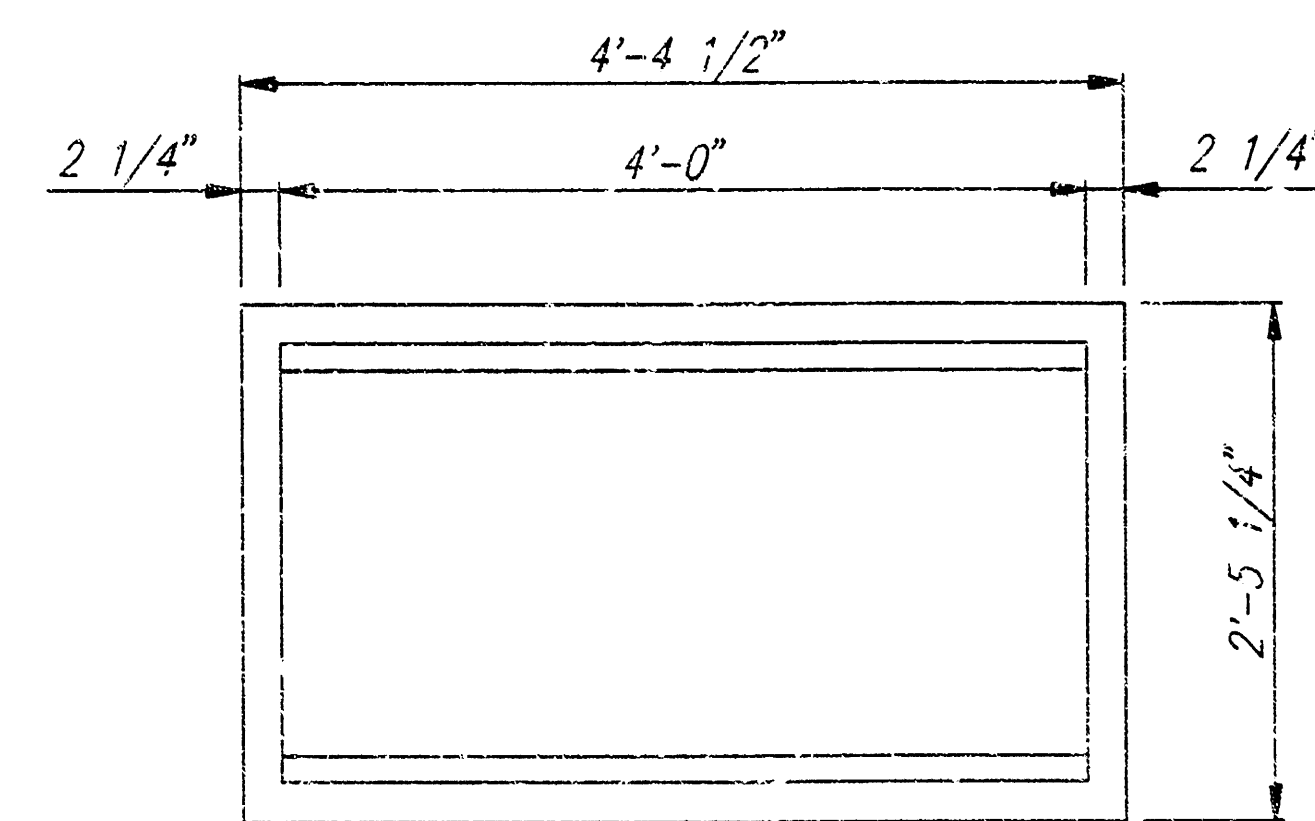
4. INLET PROTECTION SHALL BE ERECTED AS SOON AS THE STRUCTURE HAS BEEN BACKFILLED. MEASURES SHALL BE TAKEN TO PRECLUDE ENTRY OF SEDIMENT INTO THE STORM WATER SEWER SYSTEM DURING CONSTRUCTION OF THE STRUCTURE.
5. REMOVAL AND DISPOSAL OF ACCUMULATED SLT AND DEBRIS AND/OR REMOVAL AND RECONSTRUCTION OF INLET PROTECTION INSTALLATIONS SHALL BE PERFORMED THROUGHOUT THE PROJECT LIFE WHENEVER DEBRIS REACHES ONE-THIRD THE BARRIER HEIGHT, OR AS DEEMED NECESSARY BY THE ENGINEER. ULTIMATE REMOVAL AND DISPOSAL OF INLET PROTECTION AND DEBRIS WILL BE PERFORMED BY THE DEVELOPER.



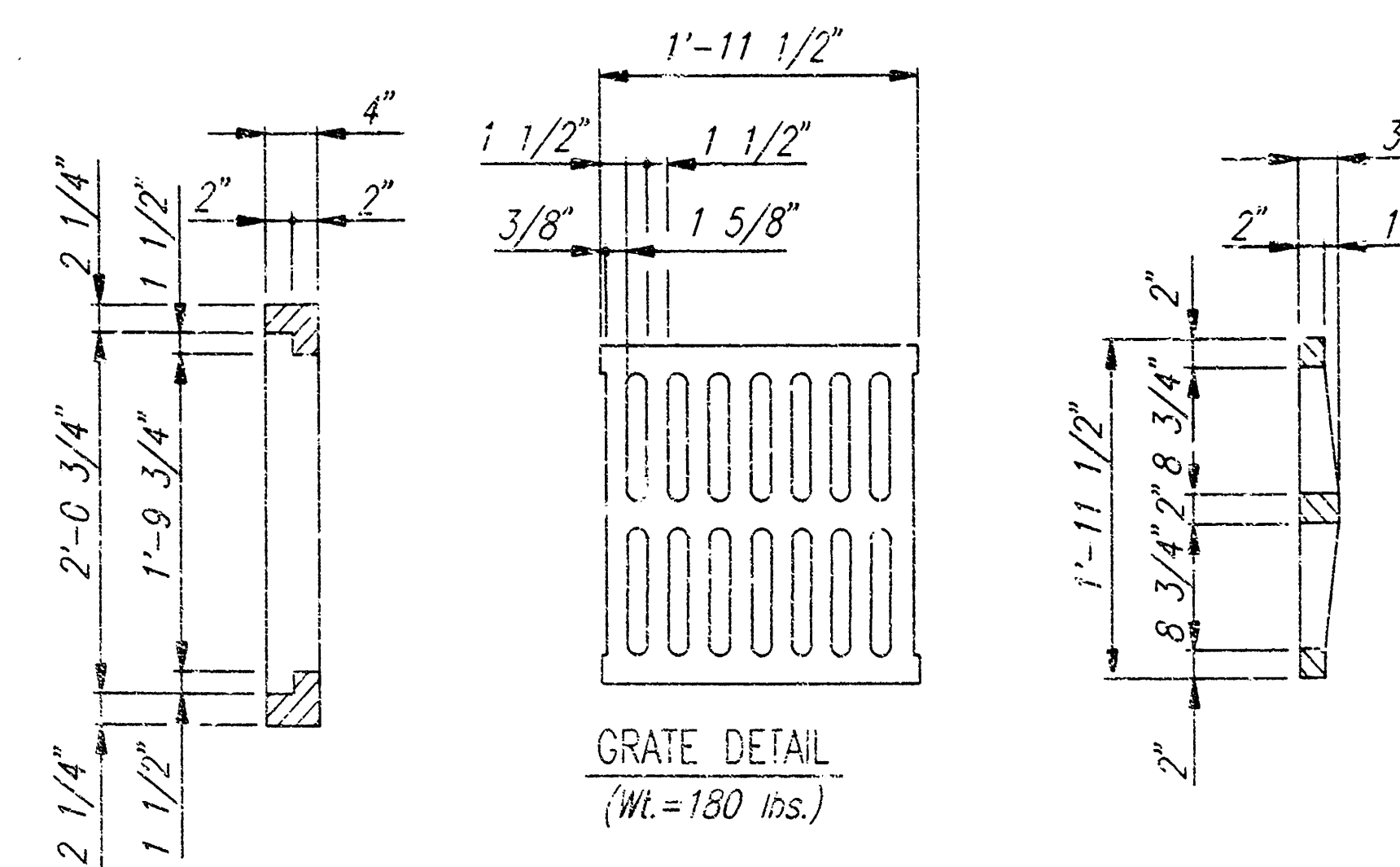
AREA INLET PROTECTION
GRAVEL AND WIRE MESH



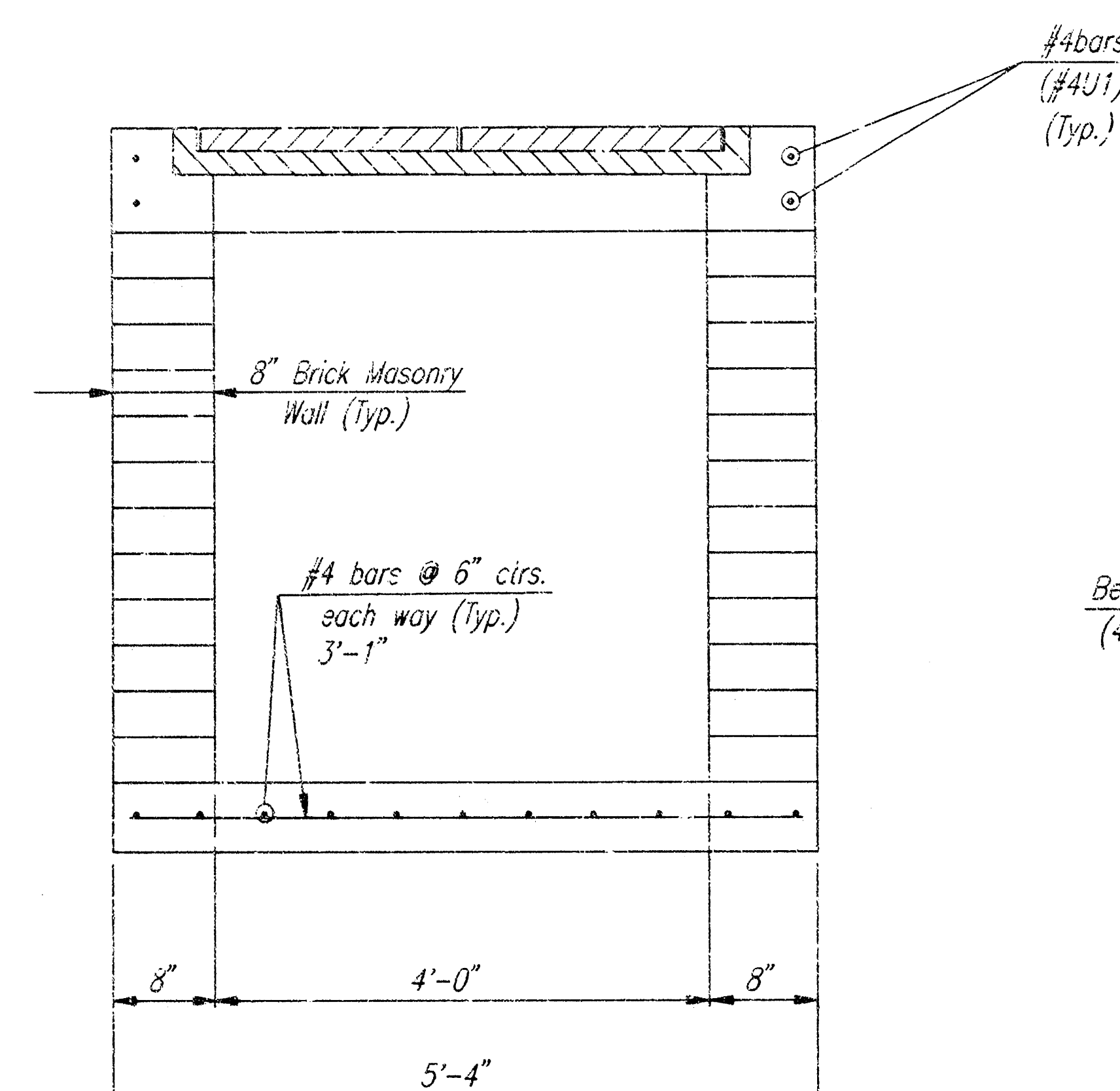
CURB INLET PROTECTION
GRAVEL AND WIRE MESH FILTER



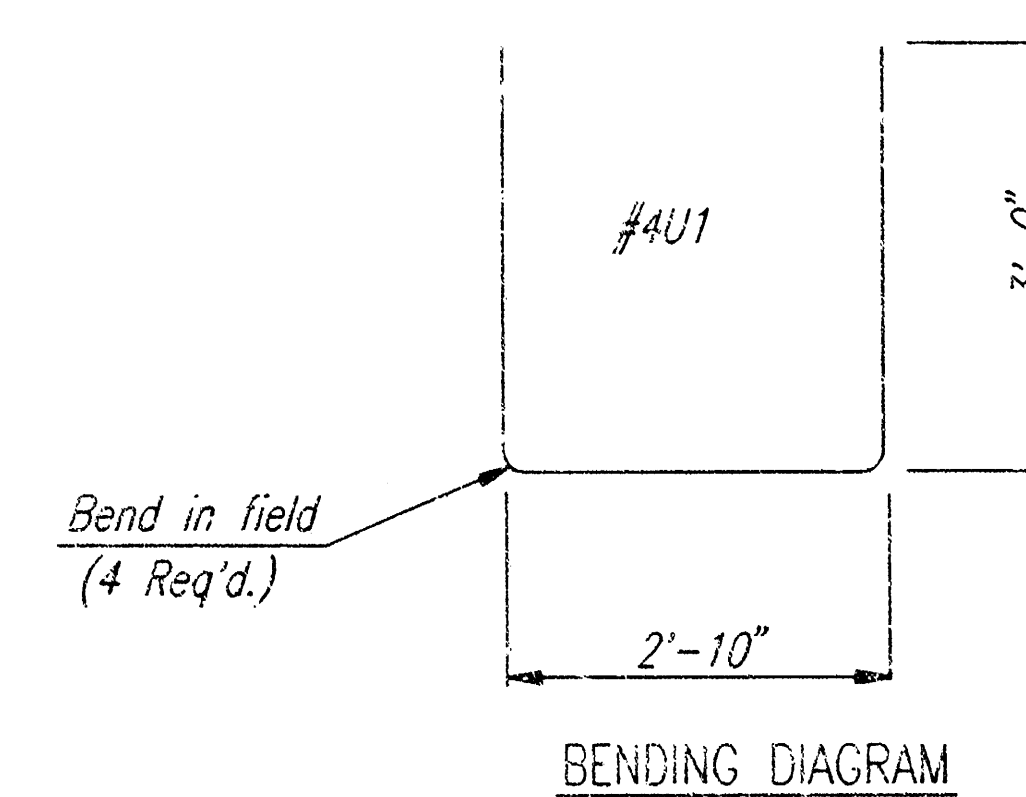
FRAME DETAIL
(Wt. = 460 lbs.)



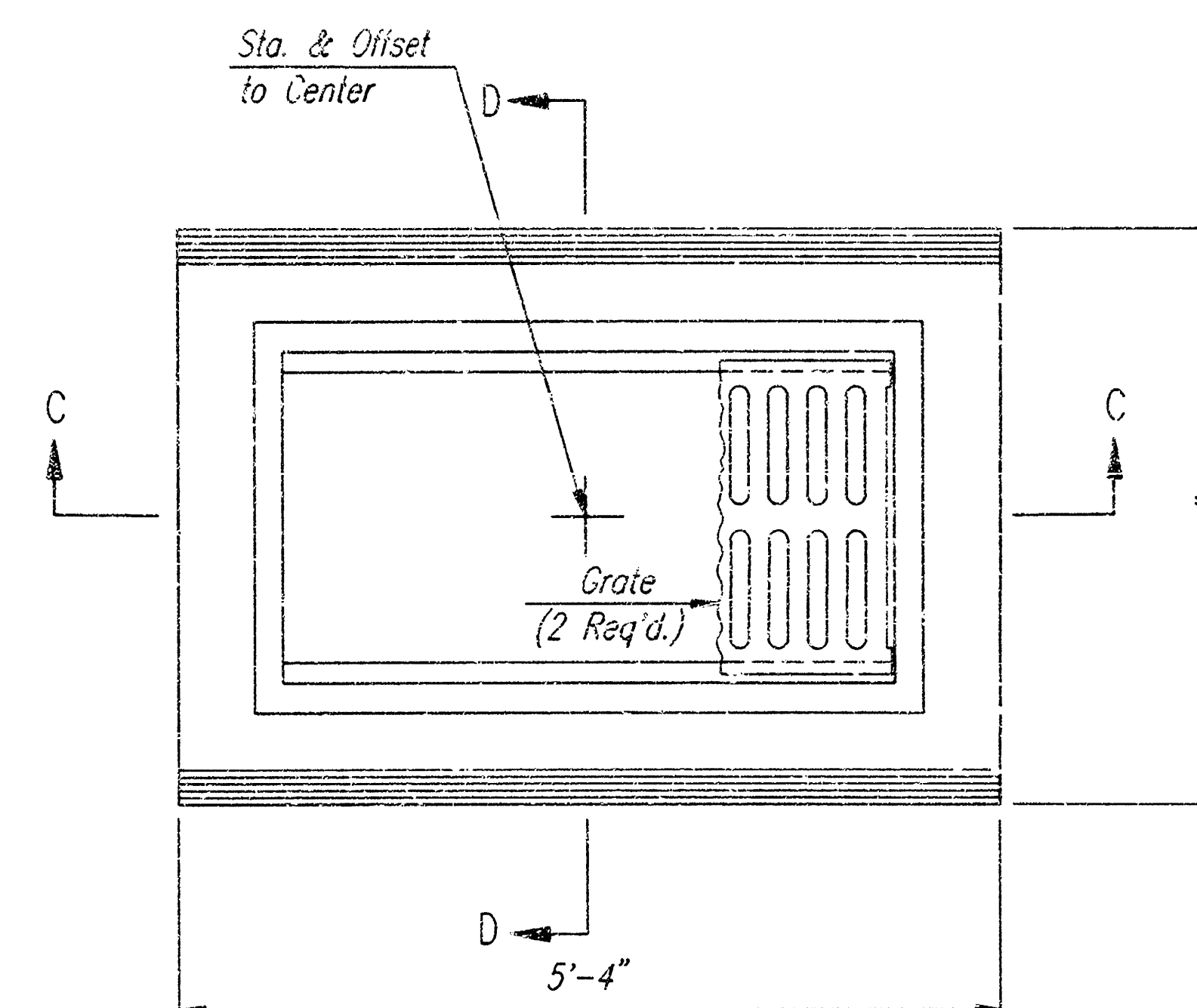
GRATE DETAIL
(Wt. = 180 lbs.)



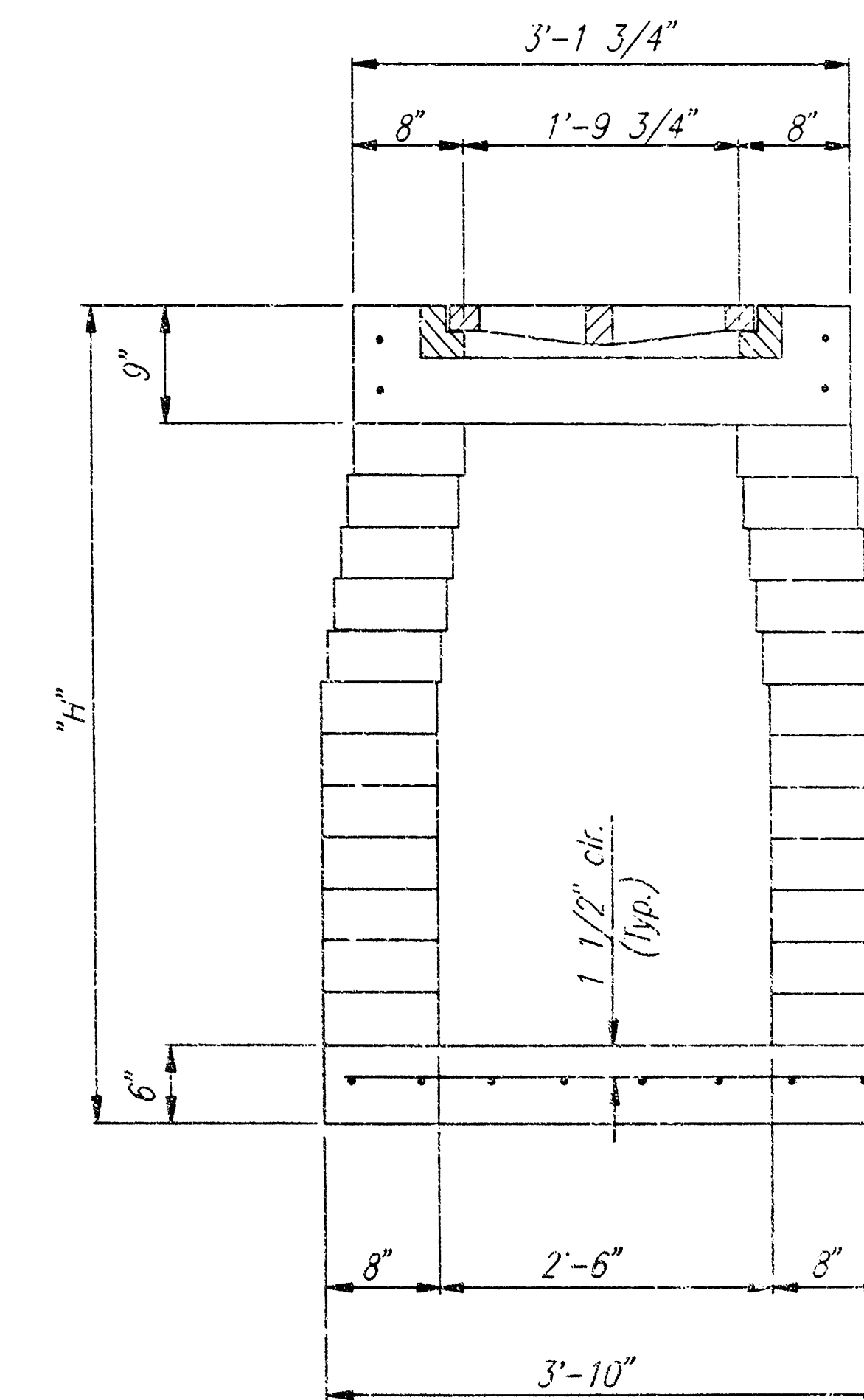
SECTION C-C



BENDING DIAGRAM



PLAN



SECTION D-D

INLET NOTES

CONCRETE SHALL HAVE A MIN. 28-DAY COMPRESSIVE STRENGTH OF 4000 PSI. ALL EXPOSED EDGES SHALL BE FINISHED WITH AN APPROVED EDGING TOOL.

REINFORCING STEEL SHALL BE A MINIMUM GRADE 40, A.S.T.M. A515. ALL DIMENSIONS RELATIVE TO PLACEMENT OF REINFORCING ARE TO THE CENTERLINE OF BARS UNLESS OTHERWISE NOTED.

INLET CASTINGS SHALL BE MANUFACTURED USING 6060 QUALITY GRAY IRON CONFORMING TO CLASS 30 OF A.S.T.M. DESIGNATION A-48. DIMENSIONS AND WEIGHTS SHOWN ON THE DETAIL DRAWINGS SHALL BE CONSIDERED AS MINIMUM REQUIREMENTS AND ANY DEVIATIONS FROM THE DIMENSIONS SHOWN MUST BE SPECIFICALLY APPROVED. THE FINISHED CASTINGS SHALL BE OF UNIFORM QUALITY, FREE FROM BLOWHOLES, POROSITY, HARD SPOTS, SHRINKAGE DISTORTIONS OR OTHER DEFECTS.

CONSTRUCTION REQUIREMENTS AND MATERIALS FOR MASONRY WALLS SHALL CONFORM TO THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS.

INLET FLOOR SHALL BE SHAPED WITH UNREINFORCED CONCRETE (3 SACK SAND MIX) TO CREATE FLOW CHANNELS AND TO INCREASE HYDRAULIC EFFICIENCY SUCH THAT THE INLET WILL BE SELF-CLEANING BETWEEN ALL INLET AND/OR OUTLET PIPES.

INLET PROTECTION AND AREA INLET DETAILS

PROFESSIONAL ENGINEERING CONSULTANTS, P.A.
ENGINEERS
WICHITA, KANSAS

REVISED 1/95

Designed by BER, GDO
Checked by
Drawn by PCP
Date AUG, 1998
Job No. 98175

10 04 01 18