

STORM WATER SEWER EXTENSIONS

PAWNEE MESA ADDITION - PHASE 3

PRIVATE PROJECT NUMBER: 606 PPS (607861)

GENERAL NOTES

Underground utility service lines and overhead utility pole lines are to be adjusted as necessary by others prior to construction unless the plans specifically call for their adjustment by the Contractor or unless the plans specifically identify a utility to be adjusted by its owner during construction. 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.

The Contractor shall be responsible for preserving property irons. The Contractor will be required to re-establish any property irons which are damaged or destroyed by his construction operations. Such irons shall be re-established by a licensed land surveyor in accordance with state laws.

Pavement removal and/or replacement will be measured and paid for on the lineal foot basis as measured along the centerline of the water line, regardless of width, pavement type and/or pavement thickness. Minimum limits of such pavement removal and replacement shall be one foot beyond the limits of the excavation made for the water line or the structure, except when such saw cuts are within three (3) feet of an existing joint. The limits of removal shall be extended to the existing joint. Removal and replacement of existing pavement shall conform to the applicable sections of the City of Wichita Standard Specifications.

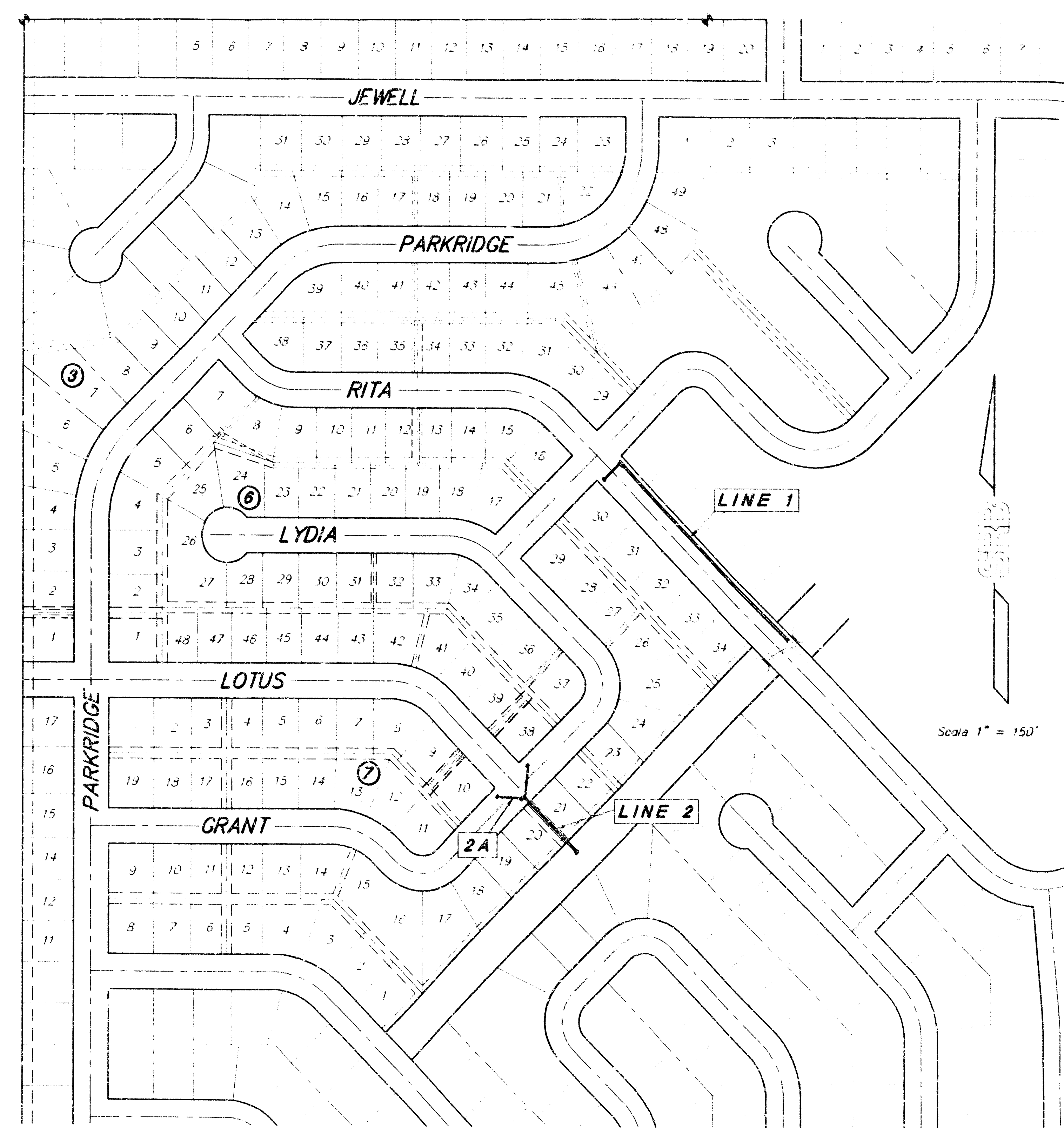
All disturbed areas shall be seeded, mulched, and fertilized per City specifications.

Utility easements along the route of the sewer shall be graded to the elevation shown on the plan/profile sheets.

The Contractor shall contact Kansas One Call prior to construction to verify the location of all underground utility lines. Any arrangements for the relocation of underground utility lines shall be the responsibility of the Contractor.

The Contractor shall install 4" P.V.C. stubs in each inlet to allow for future sub-grade drainage.

APPROVED AS NOTED BY CITY ENGINEER OF WICHITA	
Sanitary Sewers	VRH 1/23/96
Storm Sewers	
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 City/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.	



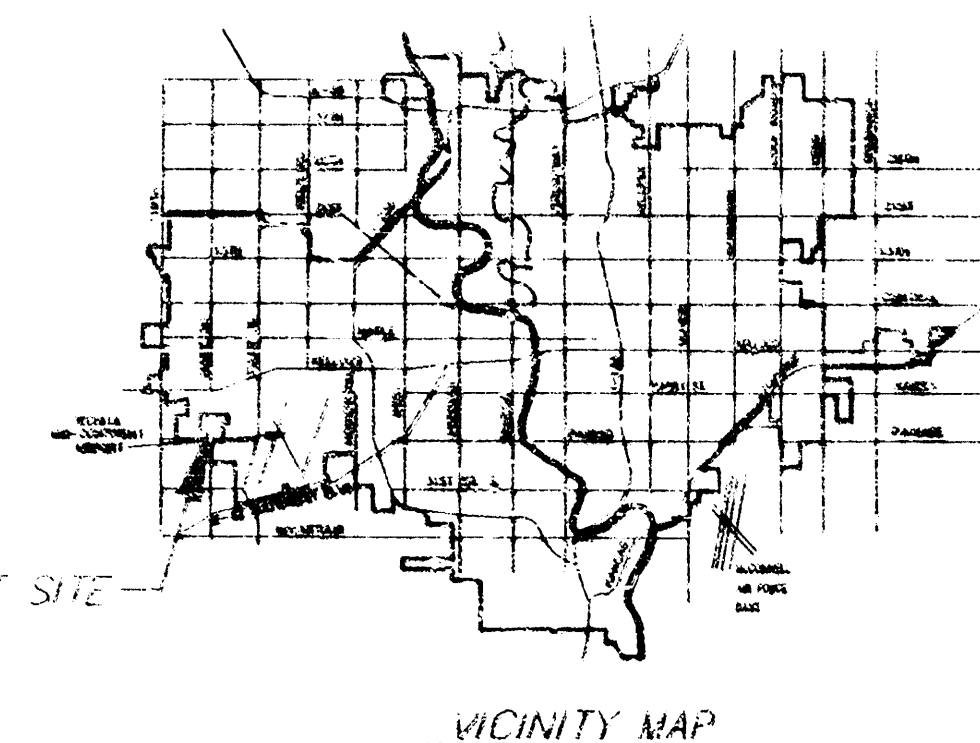
INDEX OF SHEETS

FILE SHEET	LINE 1	LINE 2
1	1	1
2	2	2
3	3	3
4	4	4
5	5	5

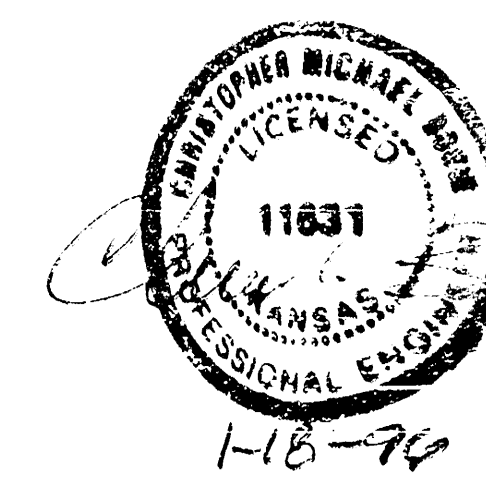
BENCH MARKS

BENCH MARK: SQUARE CUT IN TOP OF HUBBARD, SOUTHWEST CORNER OF RBC UNDER JEWELL, BETWEEN PRESCOTT AND FIELDGREST, ELEVATION = 140.23 CITY DATUM

BENCH MARK: SQUARE CUT IN TOP OF HUBBARD, NORTH SIDE OF RITA, LOCATED 300' SOUTHEAST (ALONG RITA) OF THE INTERSECTION OF RITA AND LYDIA, ELEVATION = 144.22 CITY DATUM



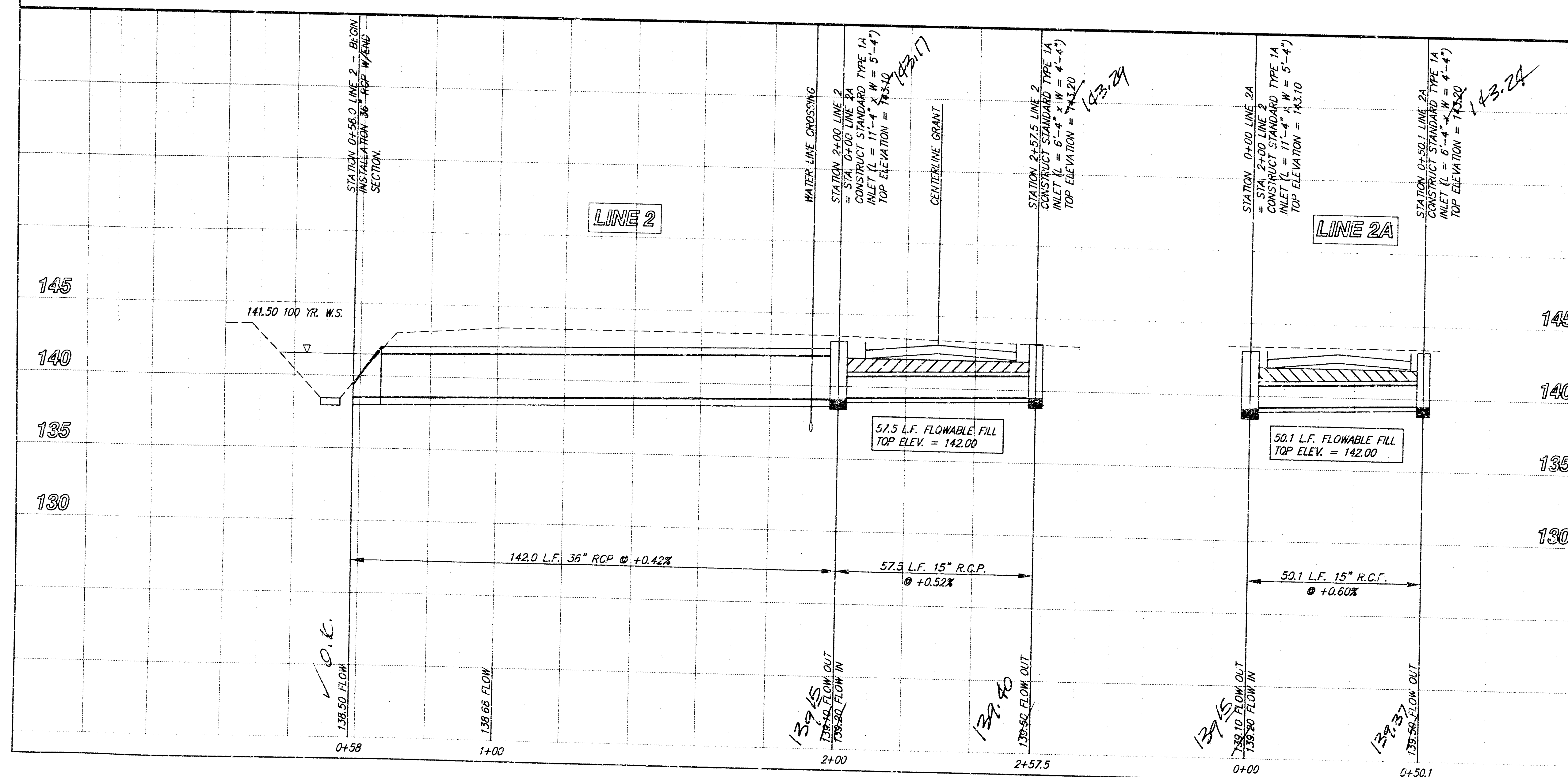
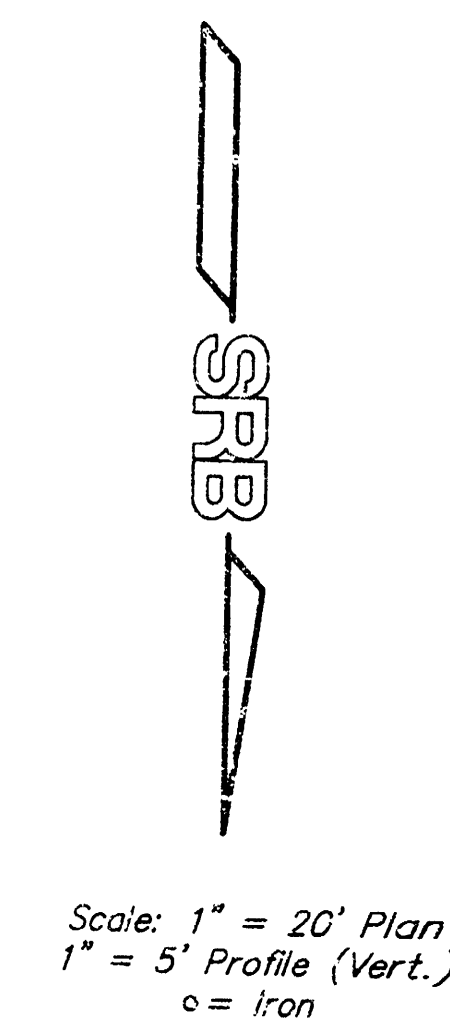
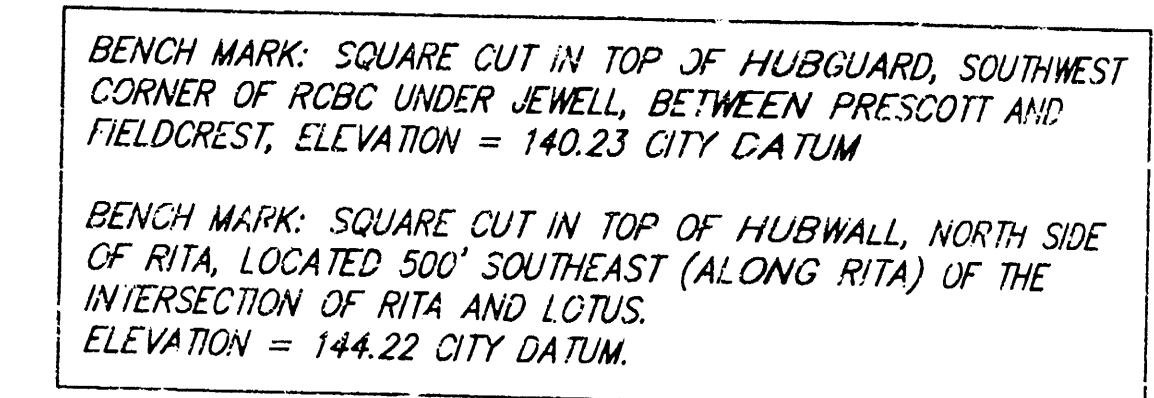
BOOKED
2-7-97
MCS
D-326



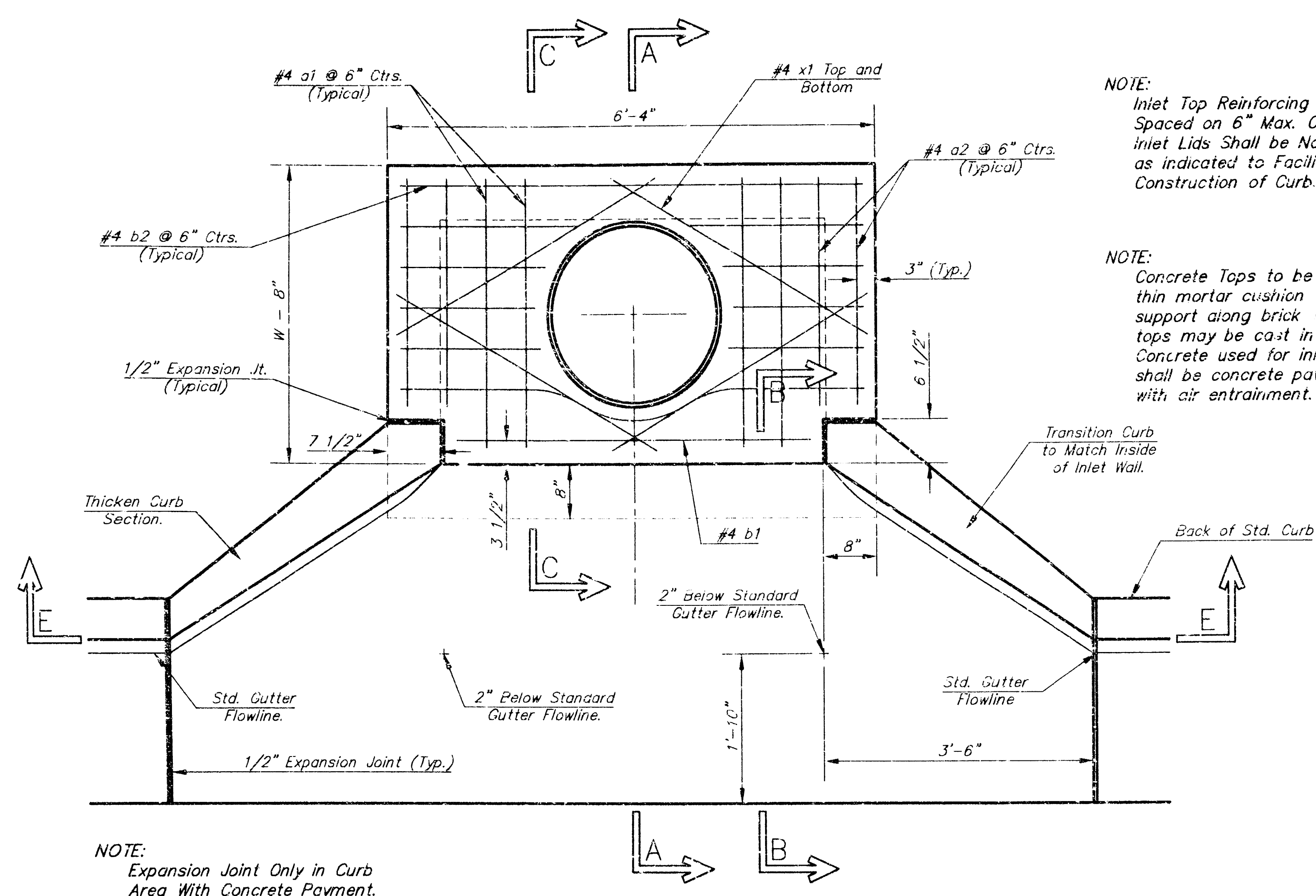
AS BUILT
7/25/96

CITY OF WICHITA, KANSAS
MICHAEL E. LINDEBAK - CITY ENGINEER

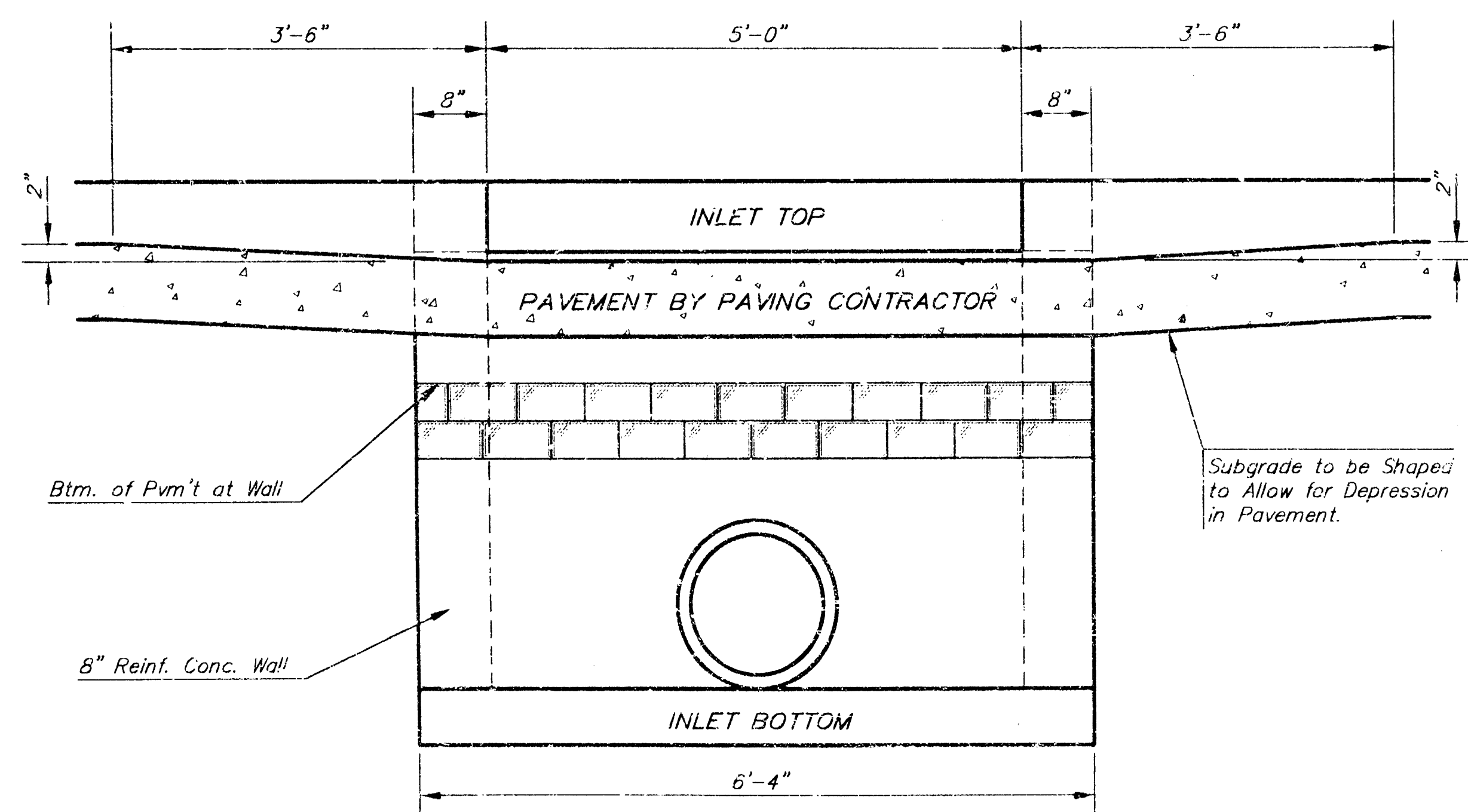
SRB 924 NORTH MAIN WICHITA, KANSAS 67203
SAVOY, RUGGLES & BOHM, P.A.
ENGINEERING & SURVEYING



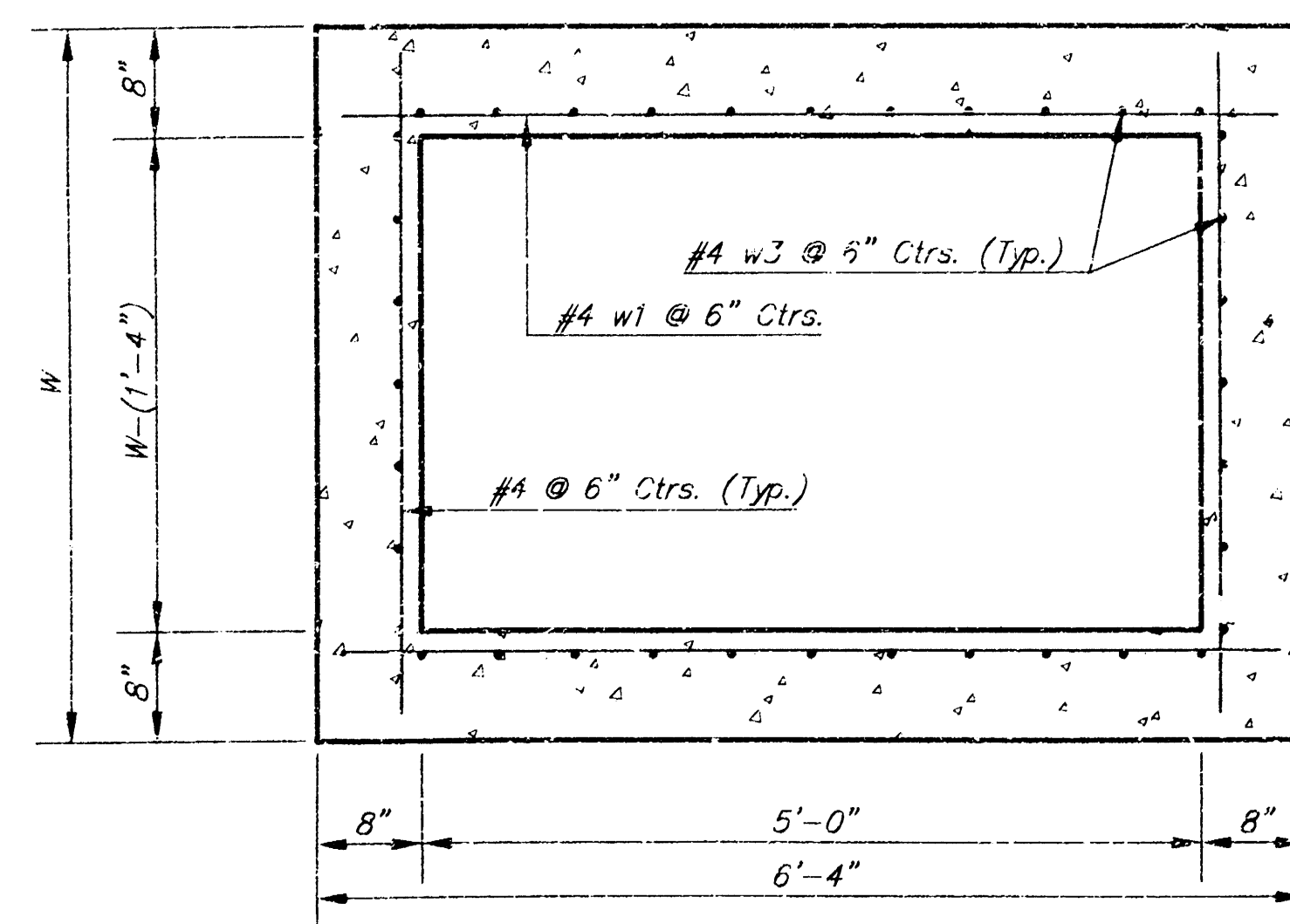
PHASE 3 STORM WATER SEWER EXTENSIONS PAWNEE MESA ADDITION LINE 2 AND 2A					11/27/97	
SRB		924 NORTH MAIN WICHITA, KANSAS 67203		316-264-8008 FAX 264-4621		11/27/97
SAVOY, RUGGLES & BOHM, P. A. ENGINEERING & SURVEYING					11/27/97	
PROJECT NUMBER 606 PPS					11/27/97	
DRAWN C. Bohm	DESIGN C. Bohm	REVIEW	DATE 12-26-95	UTILITY CWB	SRB: JDR 297E	11/27/97



PLAN



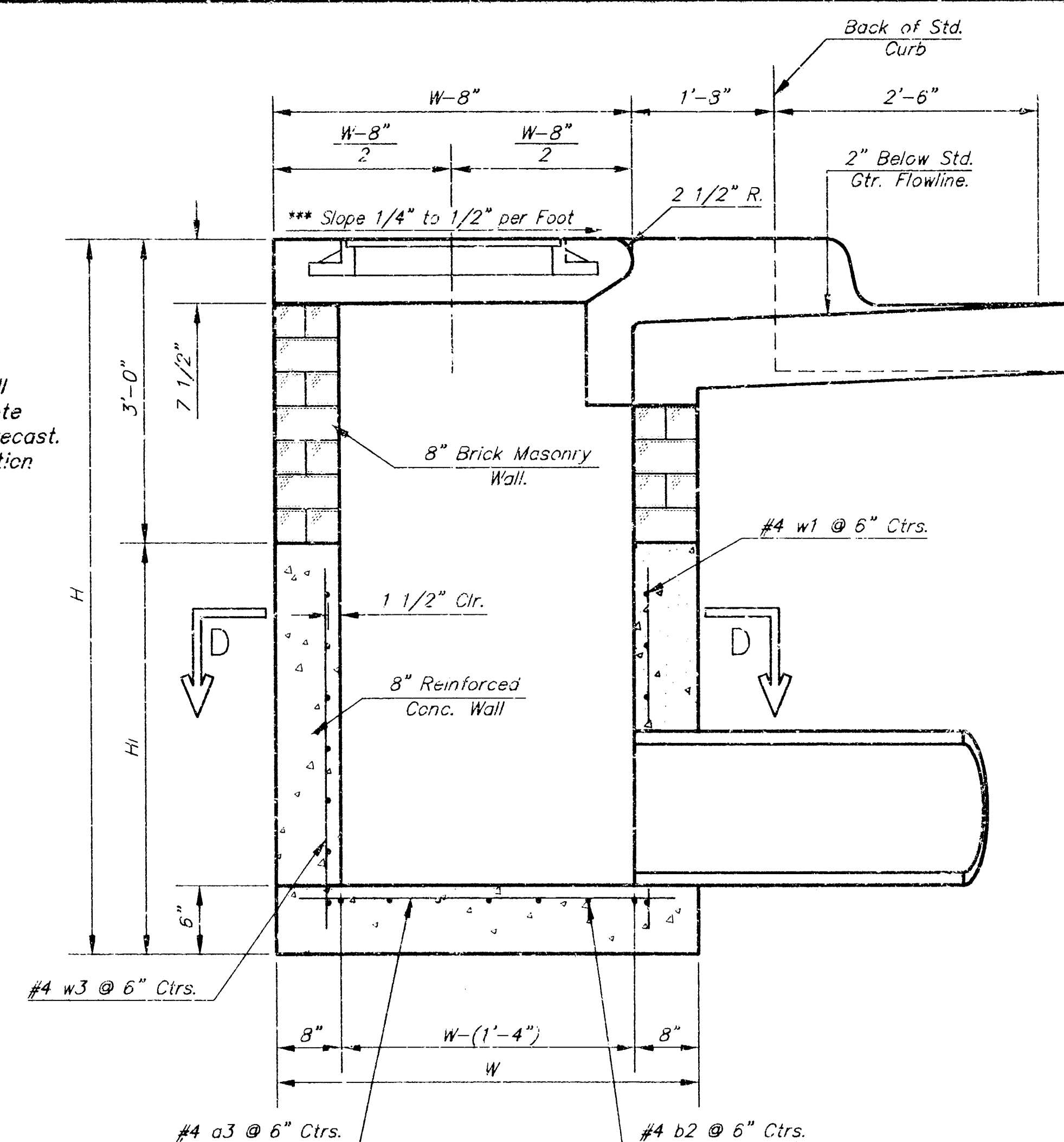
SECTION E-E



SECTION D-D

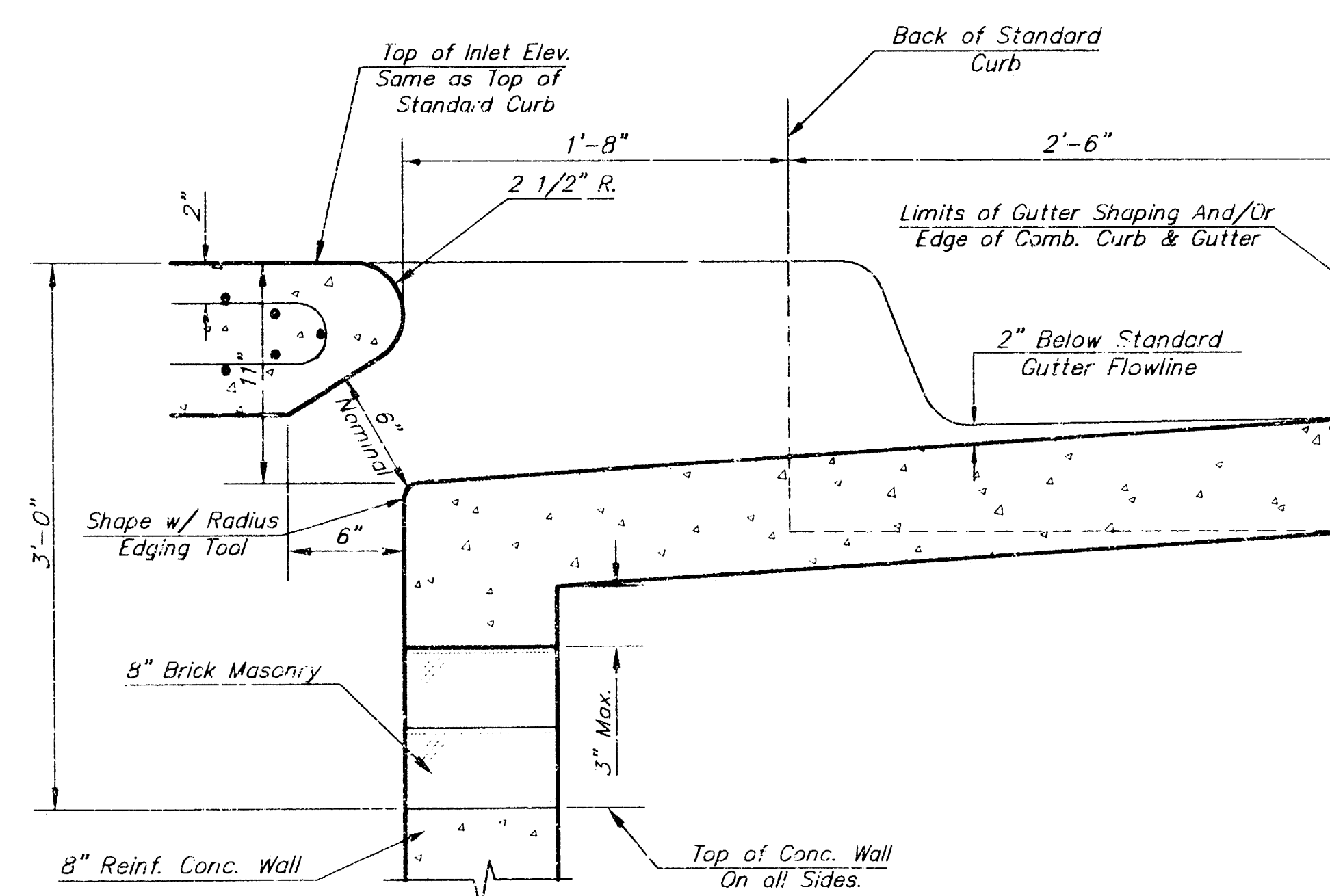
NOTE: Inlet Top Reinforcing shall be Spaced on 6" Max. Centers. Inlet Lids Shall be Notched Out as Indicated to Facilitate Construction of Curb.

NOTE: 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 with air entrainment.



SECTION A-A

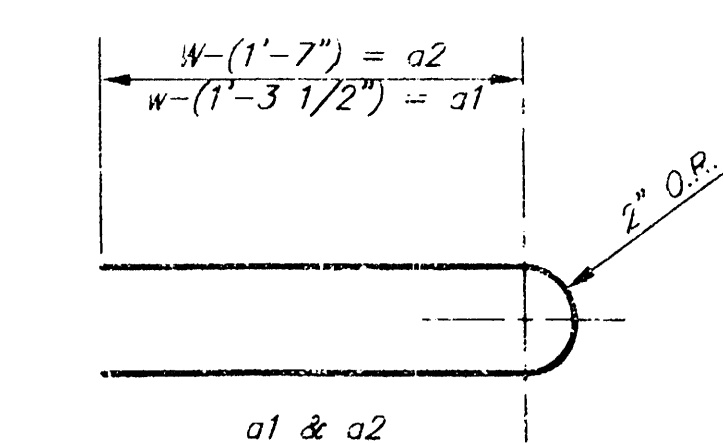
NOTE: Slope of Inlet Tops to Match Sidewalk or Parking Slopes within Limits Indicated.



SECTION B-B

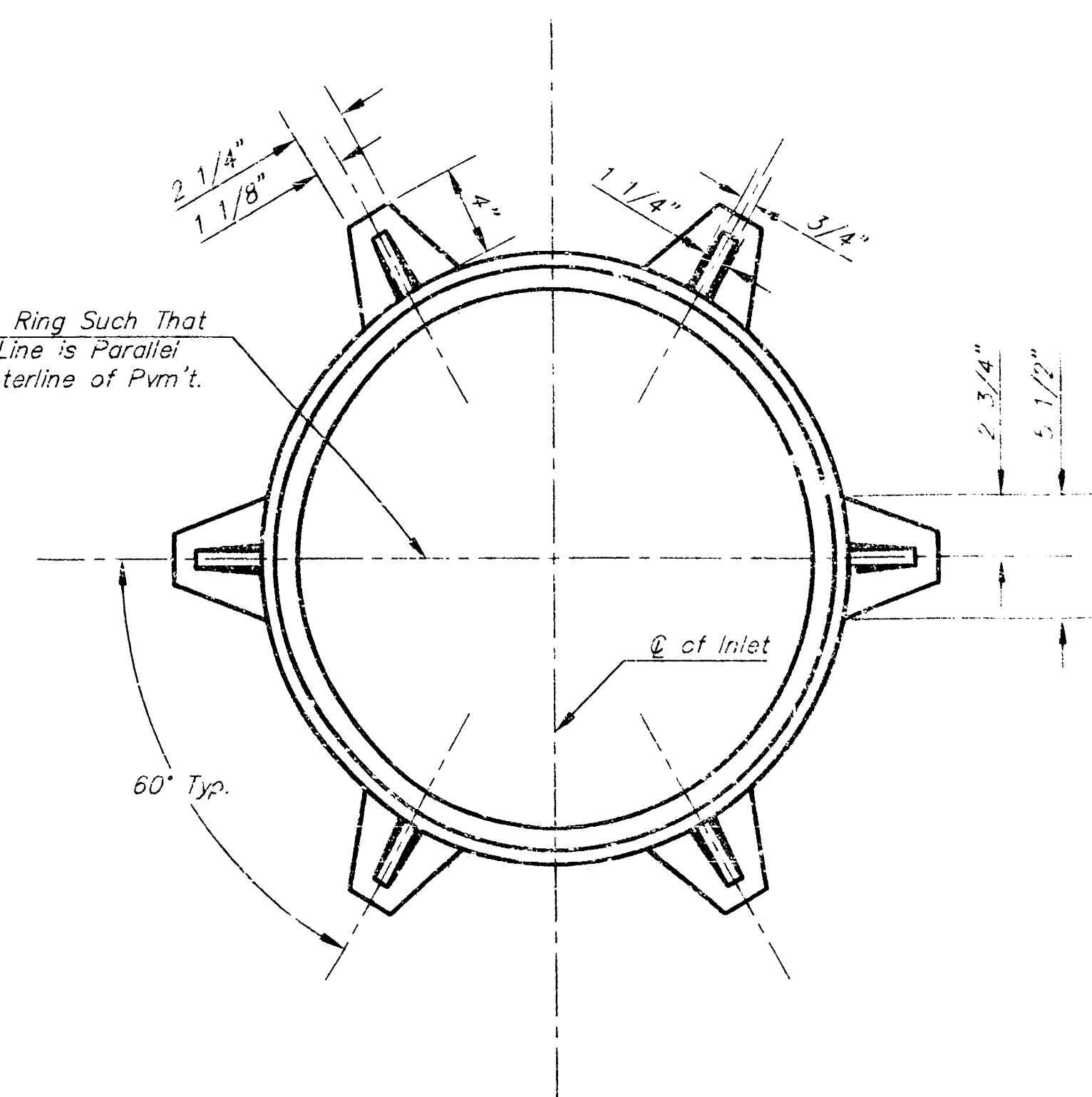
PRECAST SLAB AND FLOOR REINFORCING											
W = 4'-4"			W = 5'-4"			W = 6'-4"			W = 7'-4"		
MARK	SIZE	NO.	MARK	SIZE	NO.	MARK	SIZE	NO.	MARK	SIZE	NO.
a1	#4	6	a1	#4	6	a1	#4	6	a1	#4	6
a2	#4	4	a2	#4	4	a2	#4	4	a2	#4	4
a3	#4	13	a3	#4	13	a3	#4	13	a3	#4	13
b1	#4	1	b1	#4	1	b1	#4	1	b1	#4	1
b2	#4	23	b2	#4	29	b2	#4	35	b2	#4	41
x1	#4	8	x1	#4	8	x1	#4	8	x1	#4	8

* Field Bend or Cut Reinforcing as Required for Clearance.
① 4 (H - 12") (H - 21") Rounded down to nearest 0.5"
② H - 3"



BENDING DIAGRAM

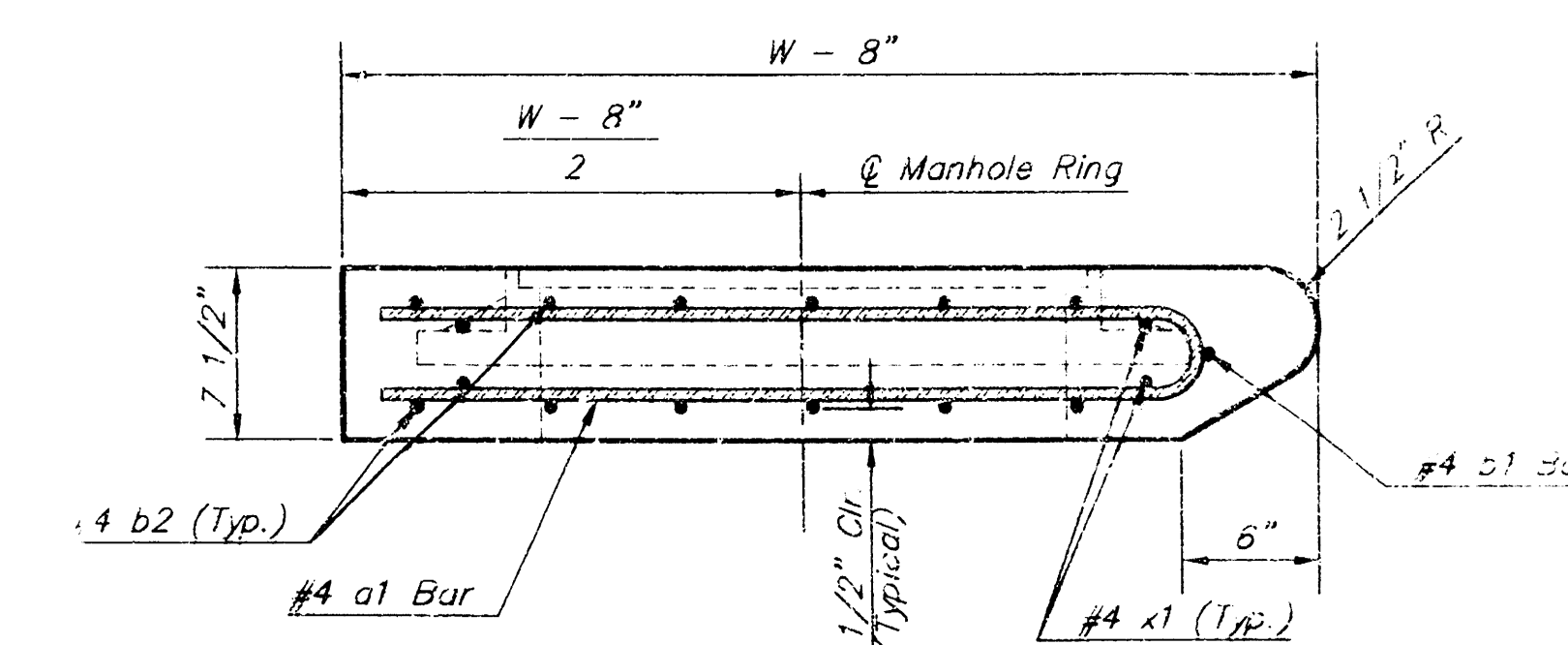
STANDARD CURB INLET PRECAST TOPS			
W	PRE-CAST TOP SIZE	PIPE SIZE	CU. YD. CONC.
4'-4"	3'-8" x 6'-4" x 7 1/2"	21" & SMALLER	0.36±
5'-4"	4'-8" x 6'-4" x 7 1/2"	24" & 30"	0.51±
6'-4"	5'-8" x 6'-4" x 7 1/2"	36" & 42"	0.64±
7'-4"	6'-8" x 6'-4" x 7 1/2"	48" & 54"	0.77±
8'-4"	7'-8" x 6'-4" x 7 1/2"	60" & 66"	0.92±



MANHOLE RING AND COVER

Weight = 180 Lbs.

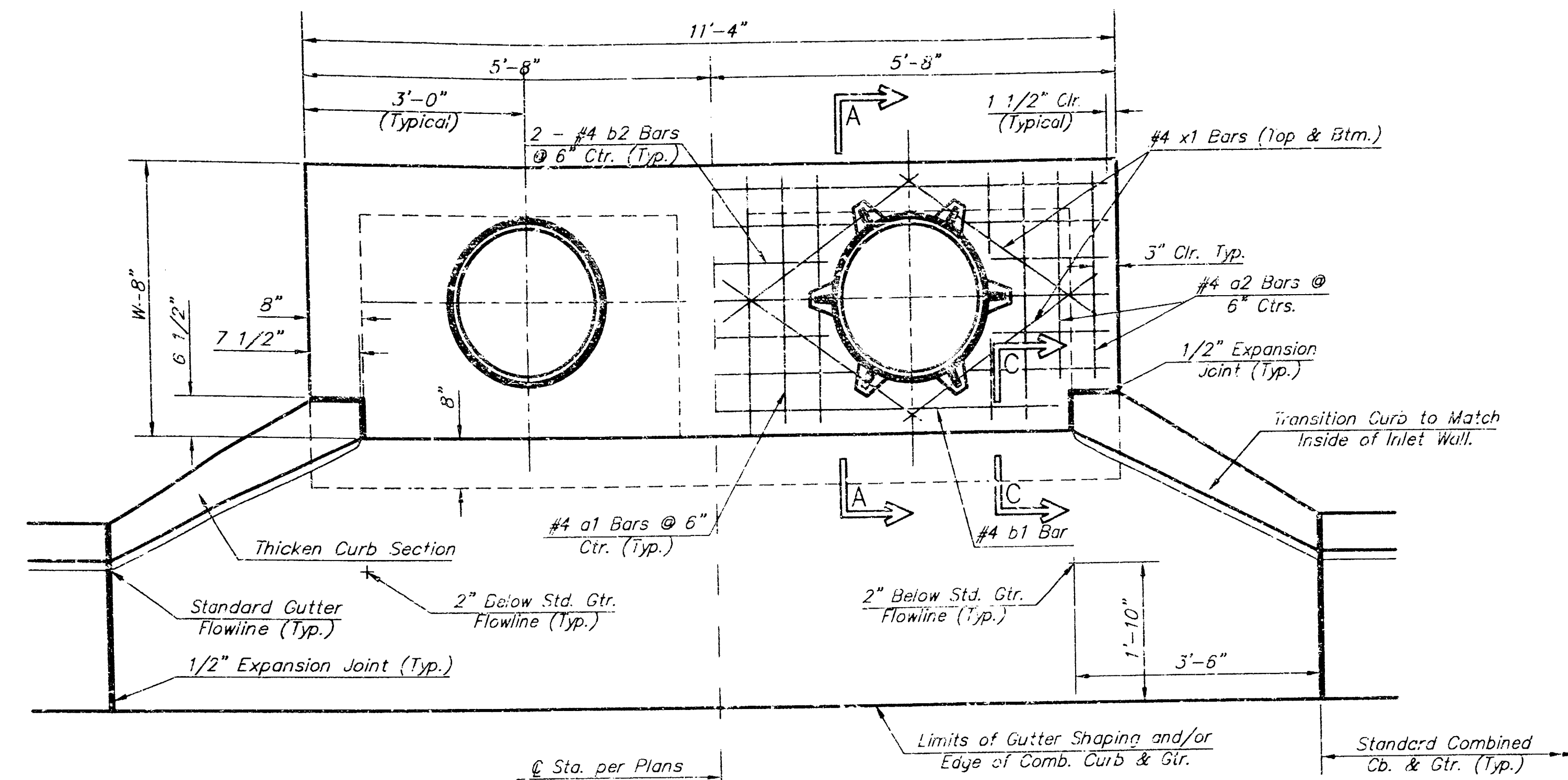
*See City of Wichita Standard Manhole Ring and Cover Detail Sheet for Cover Details to Be Used With Inlet Frame.



SECTION A-A

TYPE 1A INLET (LENGTH = 5.0')
CITY OF WICHITA, KANSAS

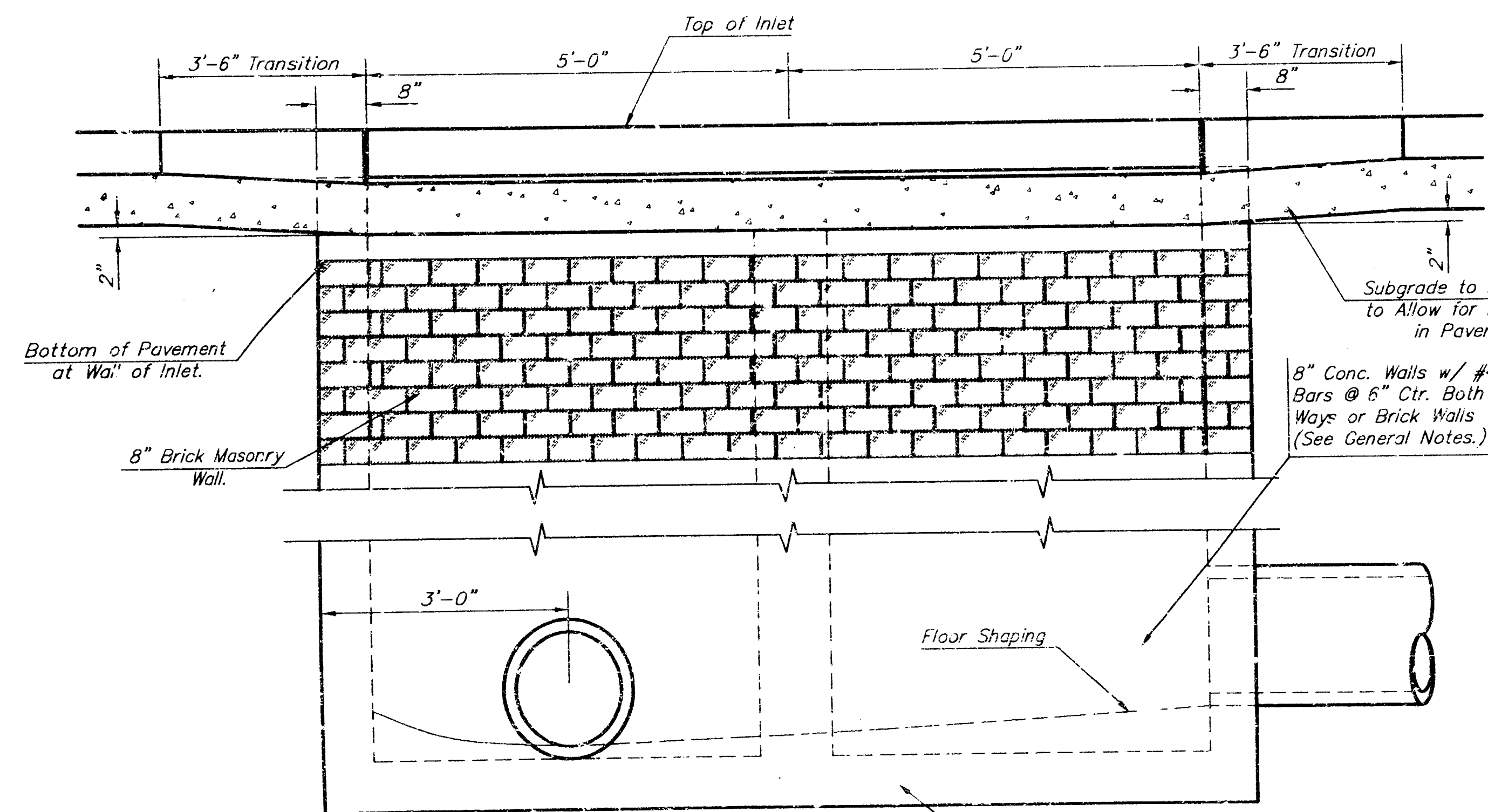
Revised - Feb. 15, 1988



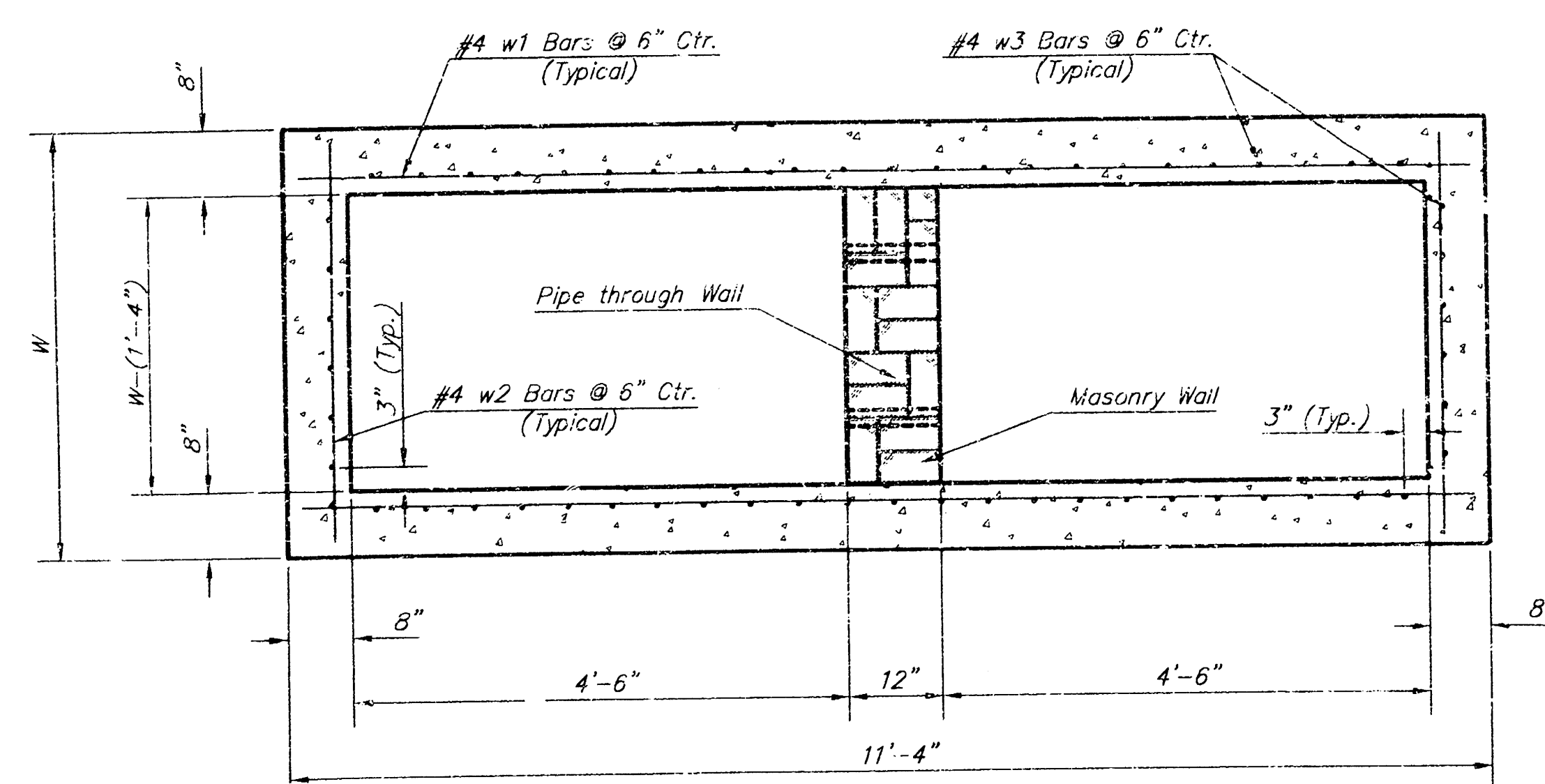
NOTE:
Expansion Joint Only in Curb Area
with Concrete Pavement.

PLAN

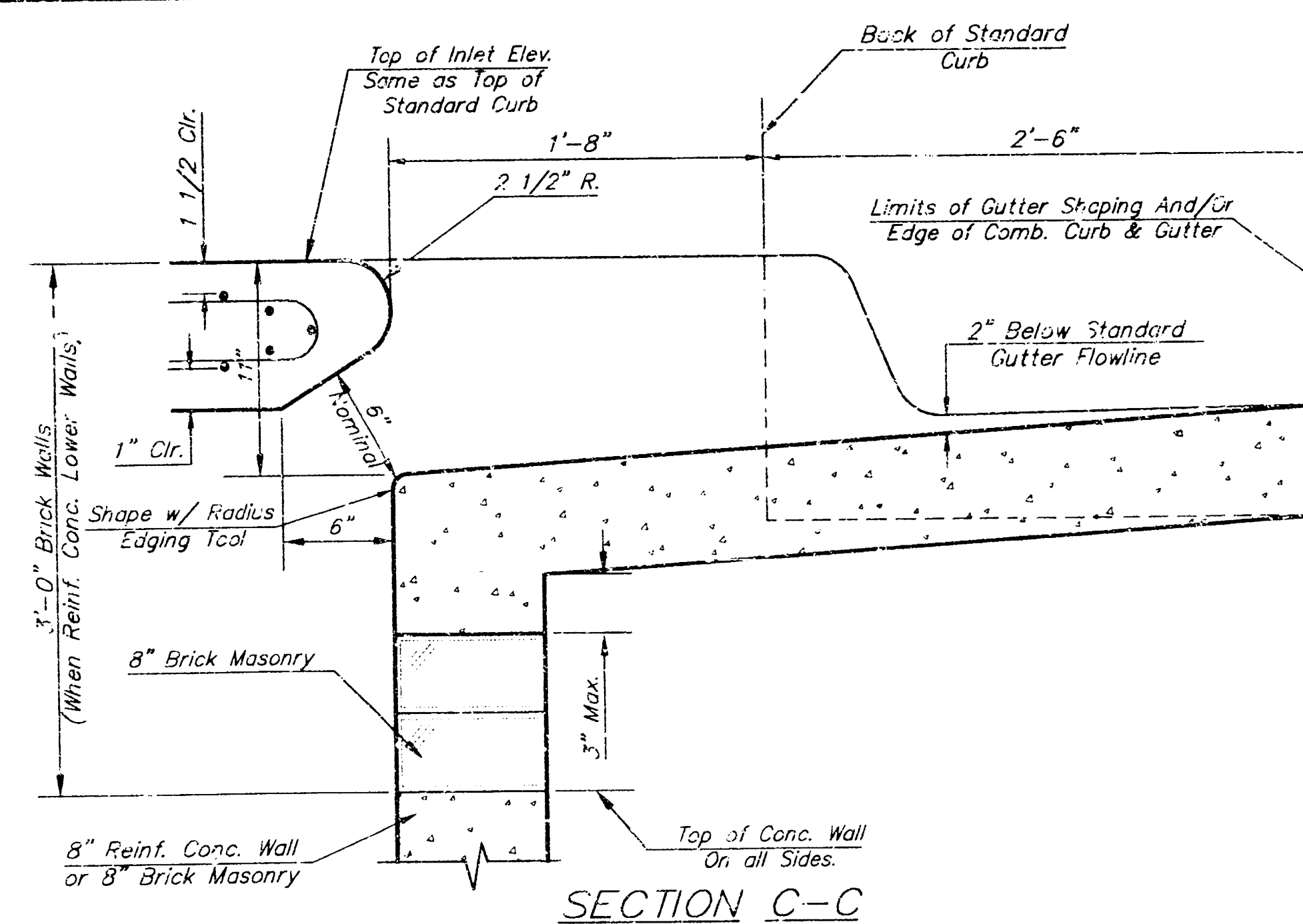
*Left Side Shown Without Slab Reinforcing.
Right Side Shown With Slab Reinforcing.



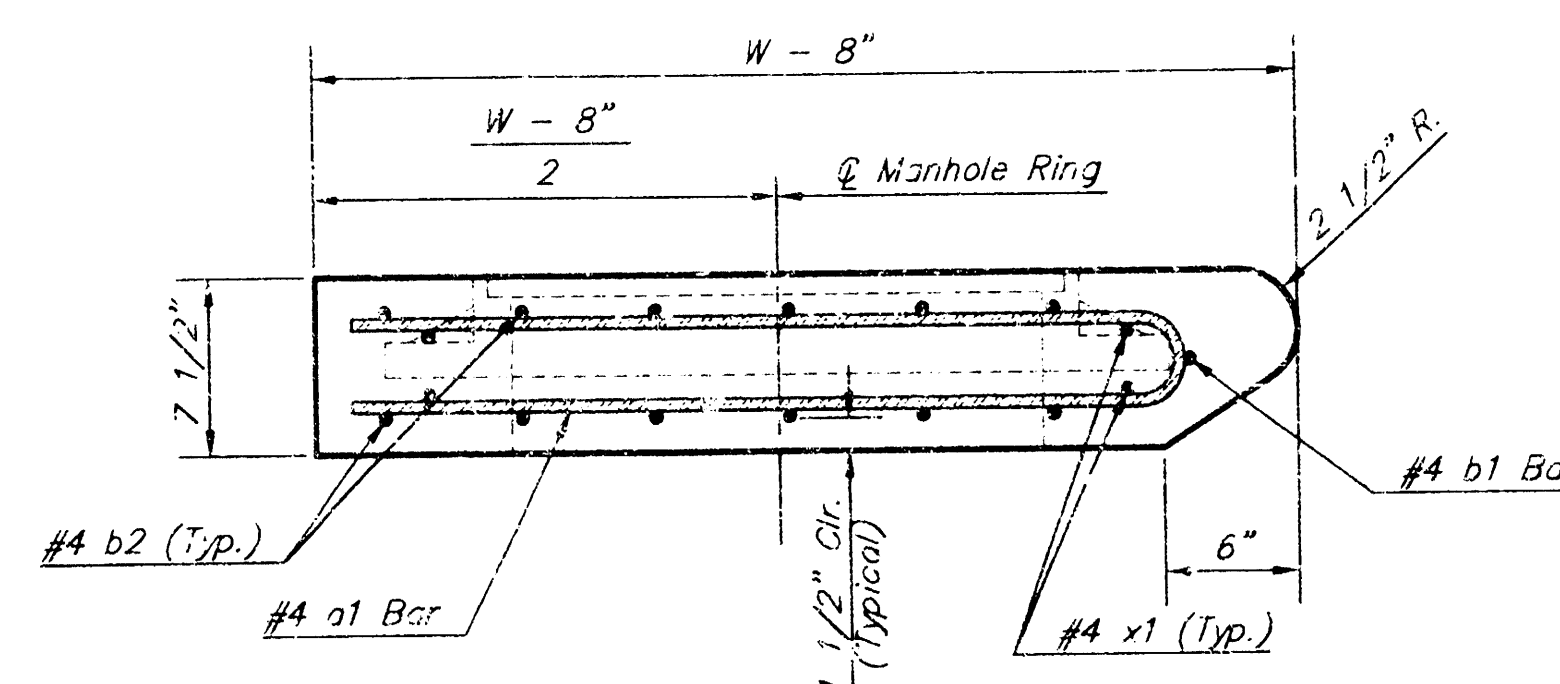
ELEVATION



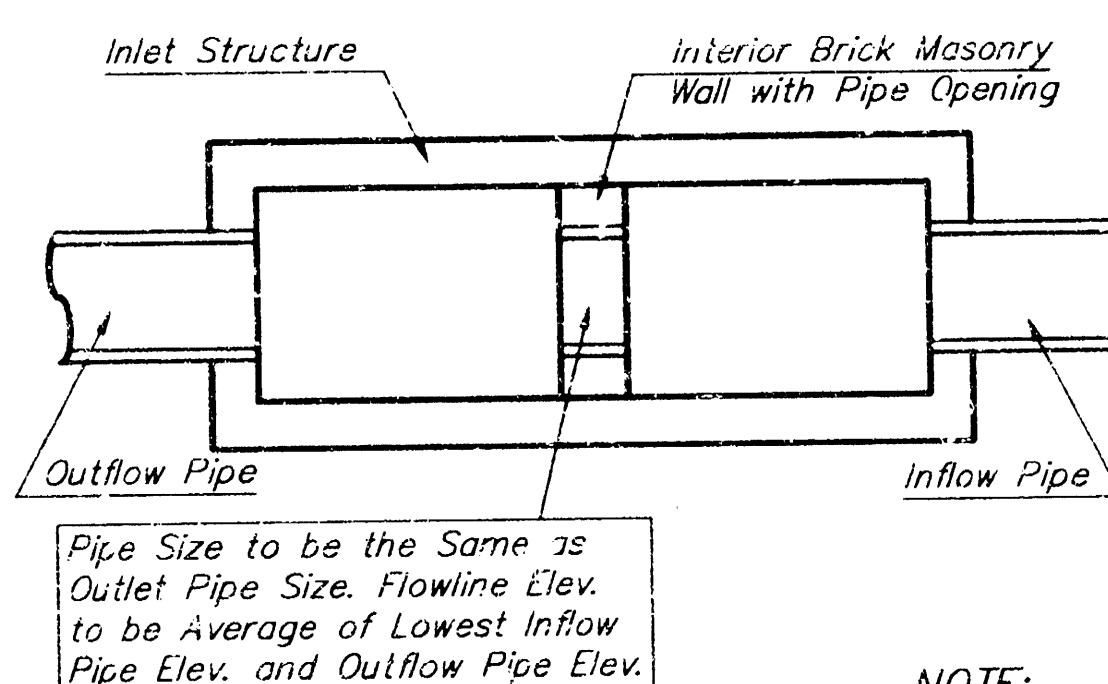
SECTION B-B



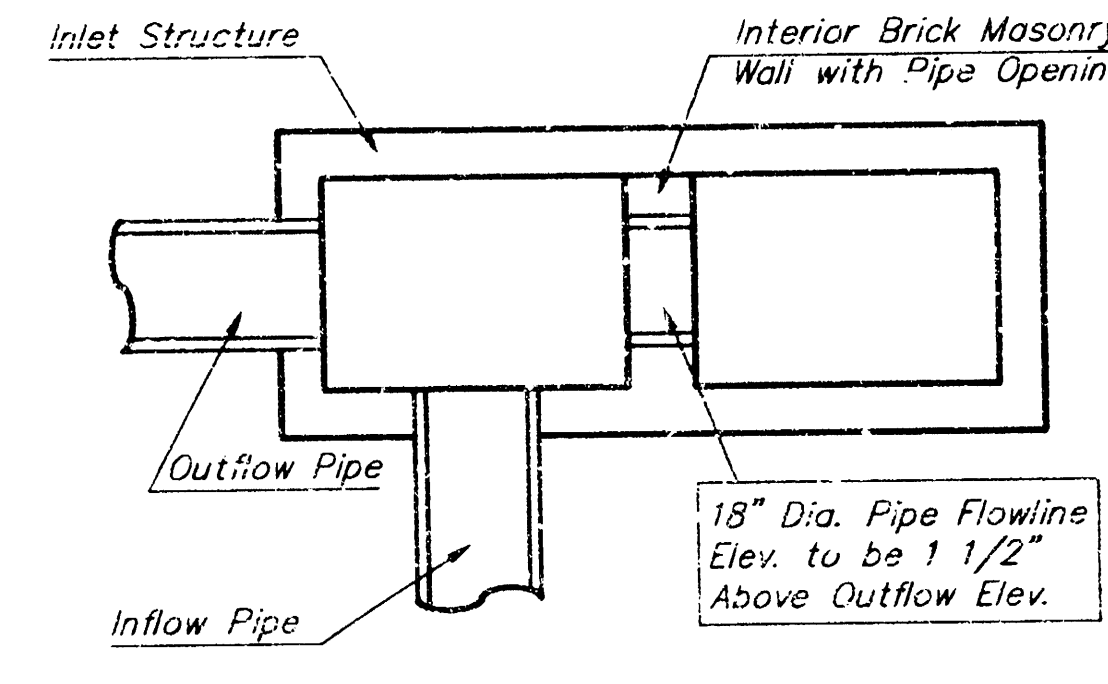
SECTION C-C



SECTION A-A



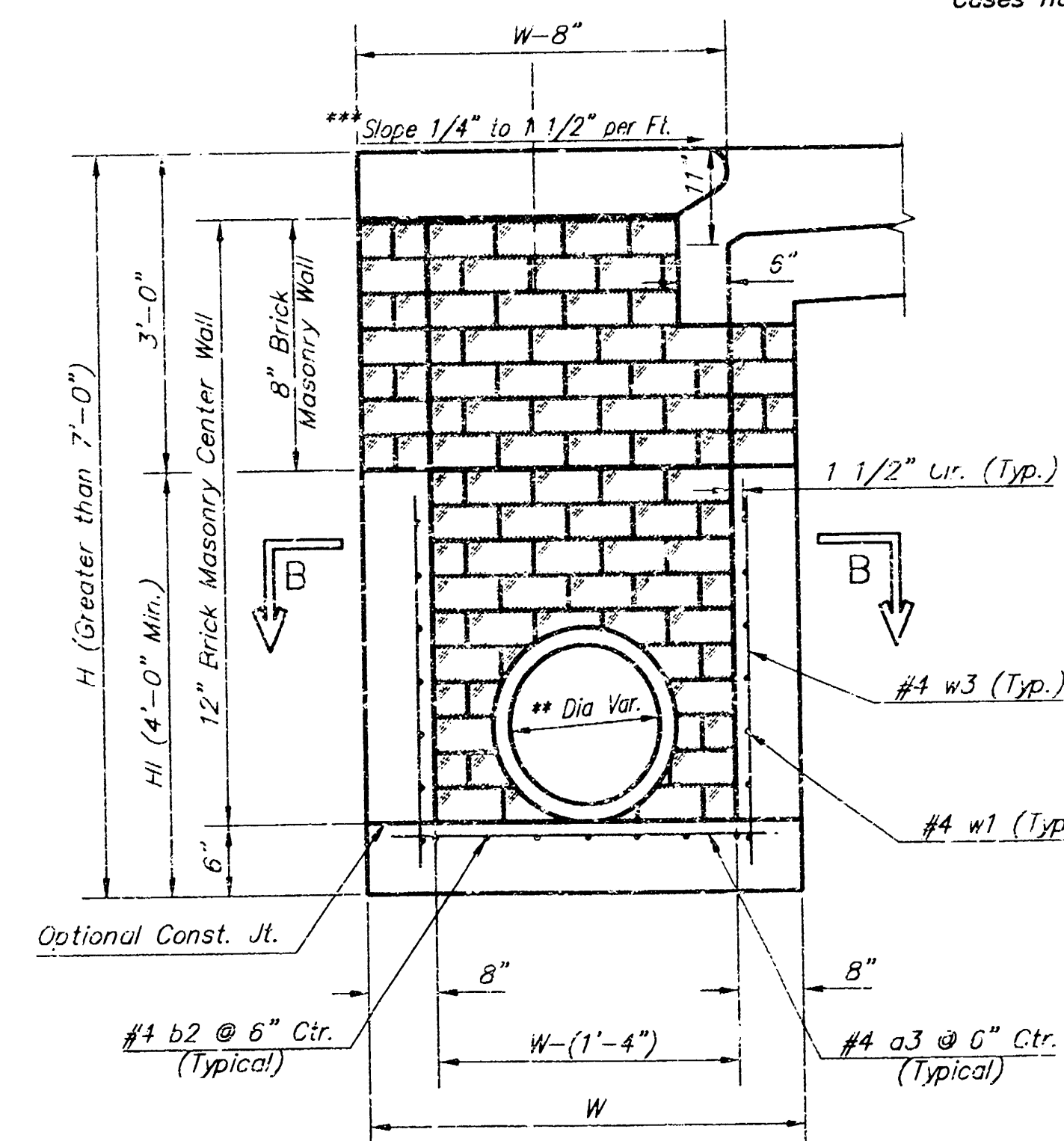
CASE I



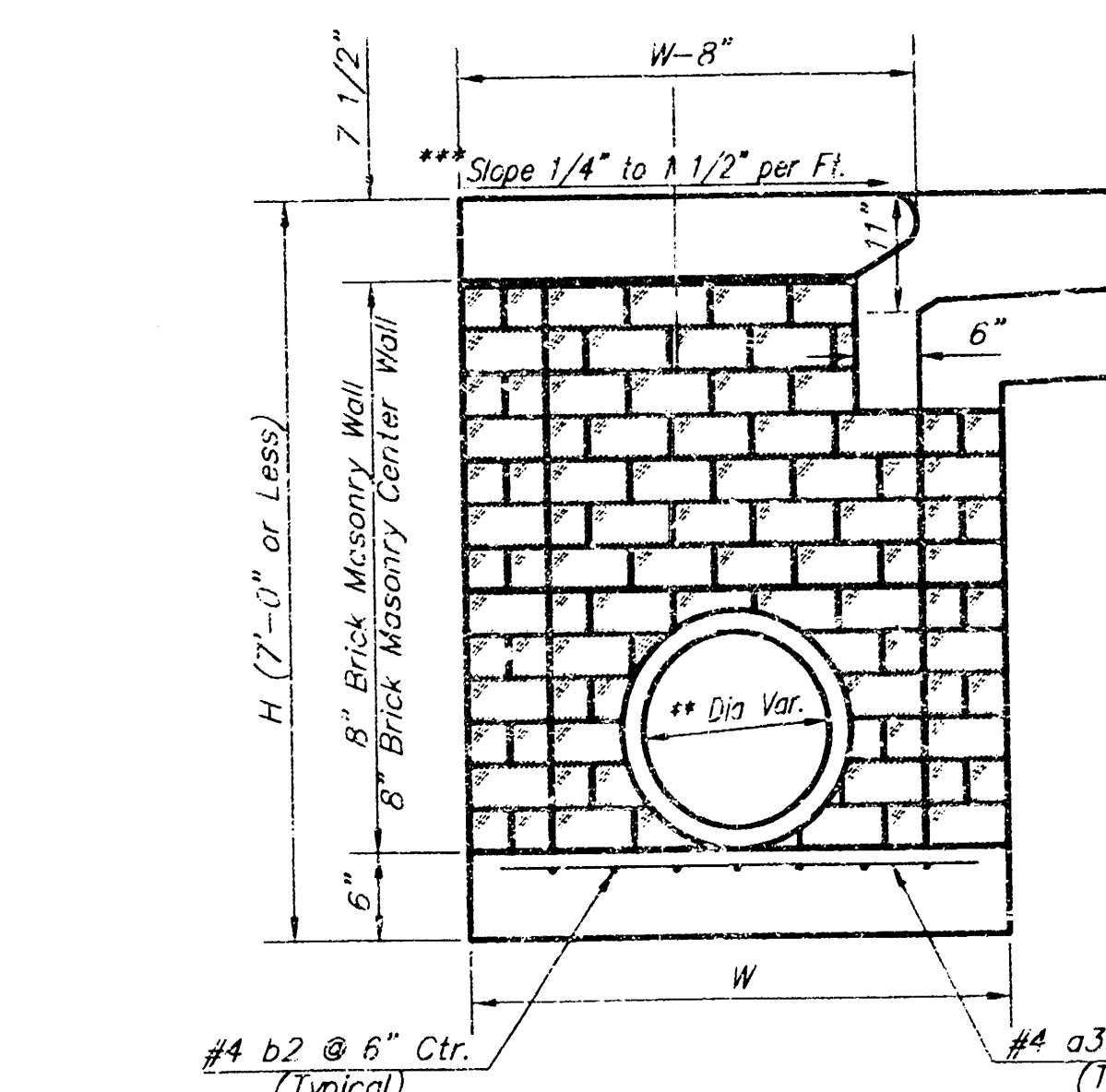
CASE II

NOTE:

Center Wall Pipe Size shall be as
Specified in Inlet Construction Notes
on the Plan/Profile Sheets for those
Cases not Shown Here.



TYPICAL INLET SECTION AT CENTER WALL (Reinforced Concrete Walls)



TYPICAL INLET SECTION AT CENTER WALL (Masonry Walls)

NOTES:

** A center wall opening shall be provided by
means of a section of reinforced concrete
pipe. See Case I and Case II above.

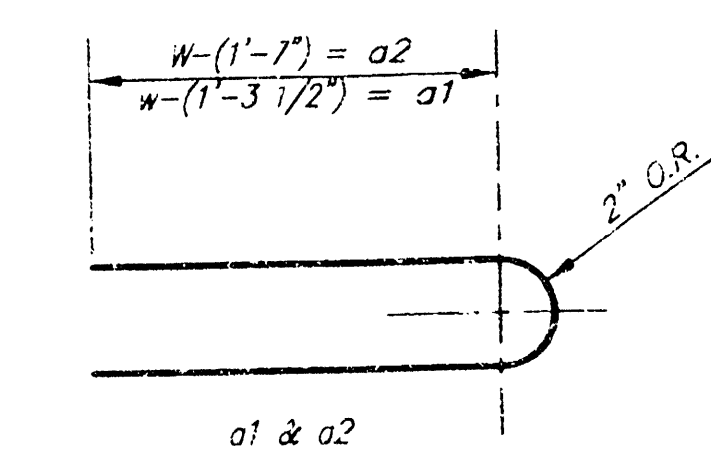
*** Slope of inlet tops to match sidewalk or
parking slopes within limits indicated

PRECAST SLAB AND FLOOR REINFORCING												
MARK	SIZE	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	NO.
* a1	#4	13	6'-7"	13	8'-2"	13	10'-7"	13	12'-2"	13	14'-7"	13
a2	#4	4	6'-0"	4	8'-0"	4	10'-0"	4	12'-0"	4	14'-0"	4
a3	#4	23	4'-1"	23	5'-1"	23	6'-1"	23	7'-1"	23	8'-1"	23
b1	#4	1	9'-9"	1	9'-9"	1	9'-9"	1	9'-9"	1	9'-9"	1
* b2	#4	23	11'-1"	29	11'-1"	35	11'-1"	41	11'-1"	47	11'-1"	53
x1	#4	16	3'-10"	16	4'-2"	16	4'-6"	16	4'-10"	16	5'-2"	16

* Field Bars or Out Reinforcing as Required for Clearance.
① 4 (H - 12") (H - 21") Rounded down to nearest 0.5"
② H - 3"

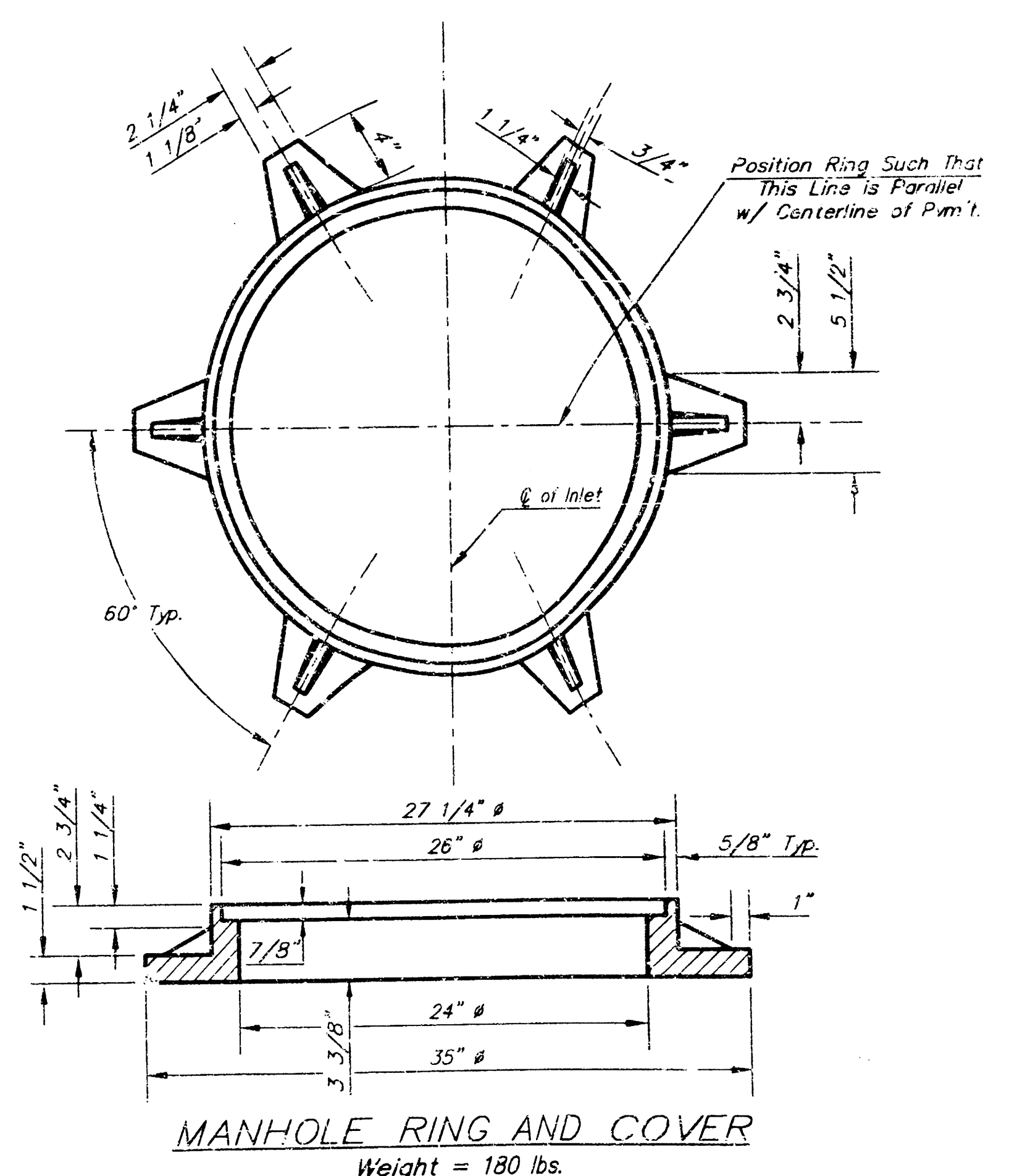
GENERAL NOTES:

- The contractor shall be required to construct 8" brick masonry walls between the concrete inlet base and top on this inlet when W=6'-4" or less and H=7'-0" or less. When W is greater than 6'-4" and H is less than 7'-0" the outside inlet walls below the brick stack shall be reinforced concrete construction and the center wall shall be of masonry construction as shown for the masonry wall option.
- 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.
- 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.
- Inlet top reinforcing shall be spaced on 6" max. centers. Inlet lids shall be notched out as indicated to facilitate construction of curb. Bars in inlet top to be field bent or cut to clear manhole ring.
- The ends of all pipes installed in inlets shall be cut off flush with the inside face of the inlet wall.



BENDING DIAGRAM

STANDARD CURB INLET PRECAST TOPS				
W	PRE-CAST TOP SIZE	PIPE SIZE	CU. YD. CONC.	
4'-4"	3'-8" 11'-4" 7 1/2"	21" & SMALLER	0.81±	
5'-4"	4'-8" 11'-4" 7 1/2"	24" & 30"	1.09±	
6'-4"	5'-8" 11'-4" 7 1/2"	36" & 42"	1.33±	
7'-4"	6'-8" 11'-4" 7 1/2"	48" & 54"	1.61±	
8'-4"	7'-8" 11'-4" 7 1/2"	60" & 66"	1.87±	



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.

TYPE 1A INLET (LENGTH = 10.0') CITY OF WICHITA, KANSAS

Revised - Feb. 18, 1989

5
5