

STORM WATER SEWER IMPROVEMENTS TO SERVE TOWNE PARC 7TH ADDITION

Private Project Number
925 PPS (607861)

CITY OF WICHITA, KANSAS
Michael E. Lindebak, P.E. City Engineer

GENERAL NOTES:

- Contractor will be required to provide notice to utility companies a minimum of twenty-four (24) hours prior to any excavation, as follows:

Kansas One-Call 687-2470

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

Cablevision 262-4270
or 263-2061
K.P. L. Gas Service Company 263-7311
Kansas Gas & Electric Company 264-1141
Arkio Gas Company 942-8350
or 263-6161
Southwestern Bell Telephone Company 1-571-2611
City of Wichita Water Department 268-4908
City of Wichita Sewer Maintenance 268-4071

- 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. 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.
- Contractor shall not start work on the project until the project inspector is assigned to the project and is present on the site. Any work done without inspection will be required to be uncovered for inspection.
- All areas disturbed by construction operations shall be seeded with rye grass at a rate of 300 lbs/acre immediately following construction in that area. Ground shall be prepared per City of Wichita specifications prior to seeding.
- The Contractor shall notify pipeline companies at least 24 hours in advance of any work being performed across and/or adjacent to pipelines.
- Trees and shrubs in public right-of-way which are in direct conflict with proposed new construction shall be removed by the Contractor with the Engineer's approval. Trees and shrubs which are not in direct conflict with proposed new construction shall be saved and protected from damage.
- The Contractor shall give all property owners and/or tenants of developed property abutting the construction of this project a minimum of ten (10) days advance notice prior to start of construction.
- Rubble from the removal of miscellaneous structures and excess excavation which is to be wasted shall be disposed of on sites to be provided by the Contractor. These sites shall be approved by the engineer as to suitability, appearance and site location. Locations that, in the opinion of the Engineer, will leave an unsightly appearance will not be approved.

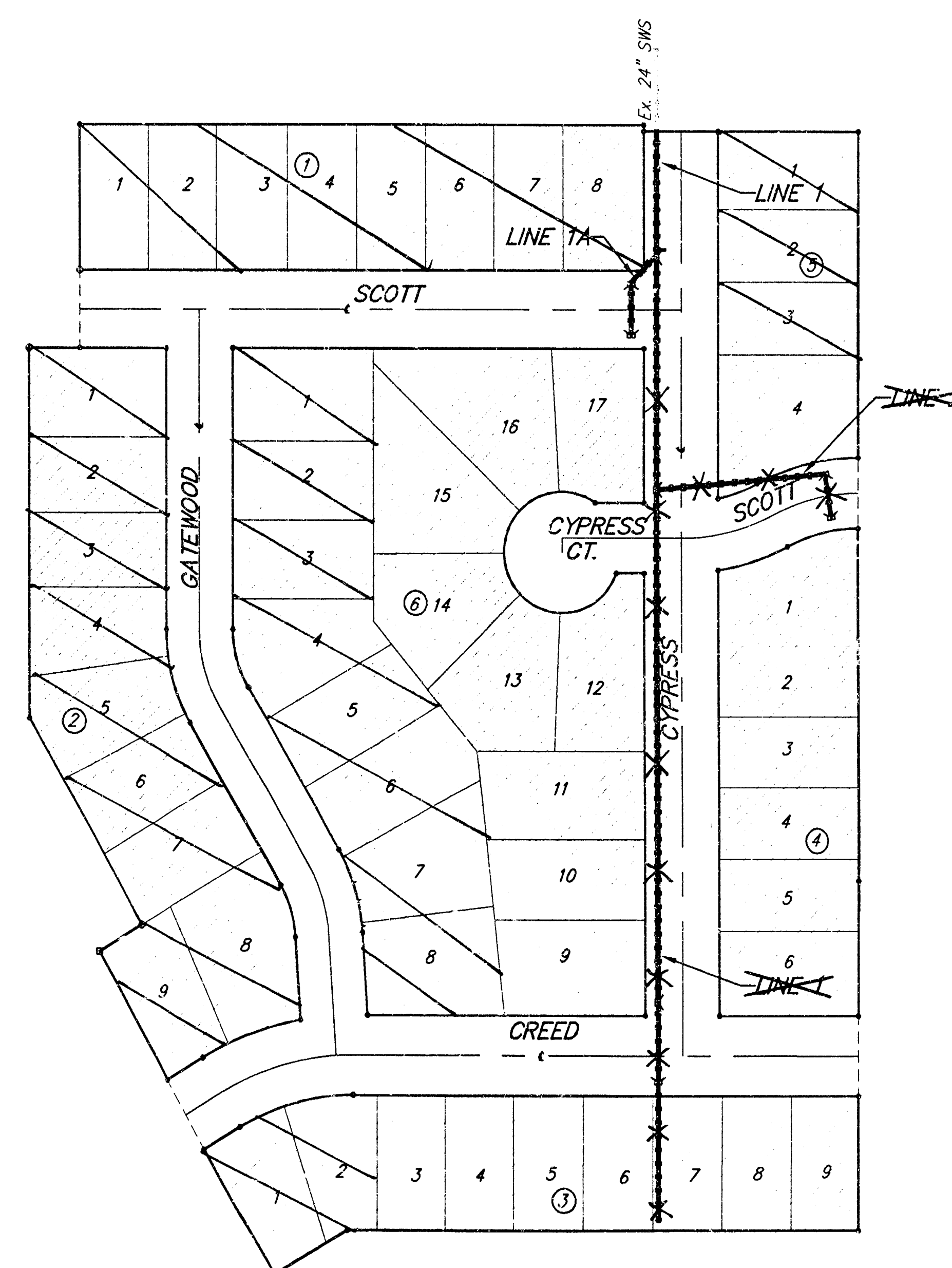
BENCHMARKS:

BM #1 "C" Cut in Top of Curb
5.35' West and 14.59' South of
SE Corner of Lot 9, Block 2,
Towne Parc Addition.
Elev. = 200.40 (City Datum)

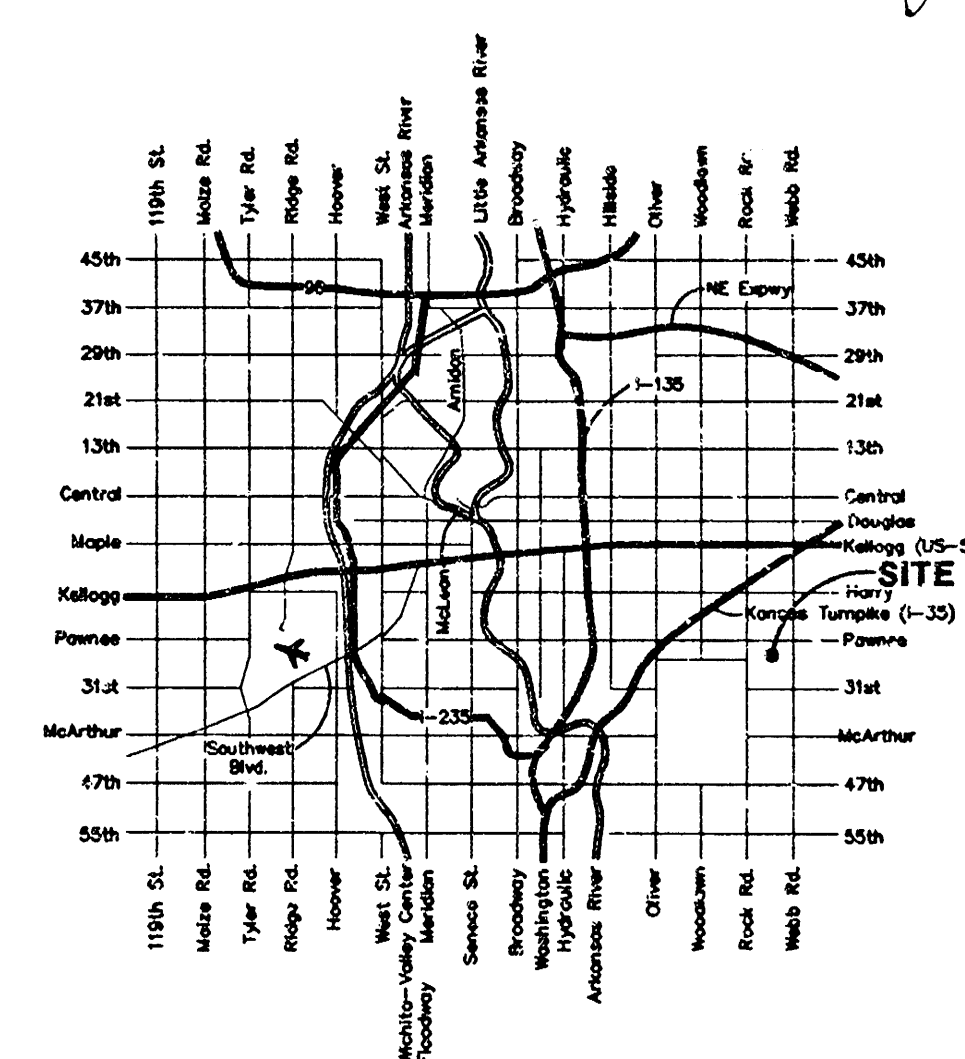
BM #2 "C" Cut in Top of Curb
14.95' West and 14.86' North of
NE Corner of Lot 6, Block 4,
Towne Parc Addition.
Elev. = 202.29 (City Datum)

Sheet Index

Title Sheet	1
Storm Water Sewer Lines 1 & 1A	2
Storm Water Sewer Line 1	3
Storm Water Sewer Lines 1 & 2	4
Type 1A Single Inlet Detail	5
Special Yard Inlet Detail	6
Copy of Plat	7



Scale: 1" = 100'



Benefit District

APPROVED AS NOTED
BY CITY ENGINEER OF WICHITA

Storm Sewers **VRH 7/29/99**

NOTE TO CONTRACTORS

Inspection and testing for this project is 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. All construction and materials shall comply with the City of Wichita Specifications and Standards (on file and available in the City Engineer's Office).



Project Inspected & Approved by **Baughman Co. P.A. 4/00**

BAUGHMAN COMPANY P.A.
ENGINEERING, SURVEYING, & PLANNING
316-262-7271 • 315 ELLIS • WICHITA, KANSAS 67211

16-04-1-6

BENCHMARK:
 BM #1 "Cut in Top of Curb
 5.35' West and 14.59' South of
 SE Corner of Lot 9, Block 2,
 Towne Parc Addition.
 Elev. = 200.40 (City Datum)

BM #2 "Cut in Top of Curb
 14.95' West and 14.86' North of
 NE Corner of Lot 6, Block 4,
 Towne Parc Addition.
 Elev. = 202.29 (City Datum)

Sta. 1+04.0, Line 1 =
 Sta. 0+00, Begin Line 1A
 Const. Std. Type-1A Single
 Curb Inlet. (6'4"x4'4")
 Top Elev. = 197.29

CAUTION!
 8" San. Sewer
 Crossing

CAUTION!
 8" Wtr Line
 Crossing

SCALE:
 1" = 20' HORIZONTAL
 1" = 5' VERTICAL
 • = IRON

Sta. 0+00, Begin Line 1
 Connect to Existing 24" R.C.P.
 and Extend 24" R.C.P. South.
 Contractor to Verify Depth
 and Location of Existing
 SWS Pipe Prior to Construction.

CAUTION!
 8" San. Sewer
 Crossing

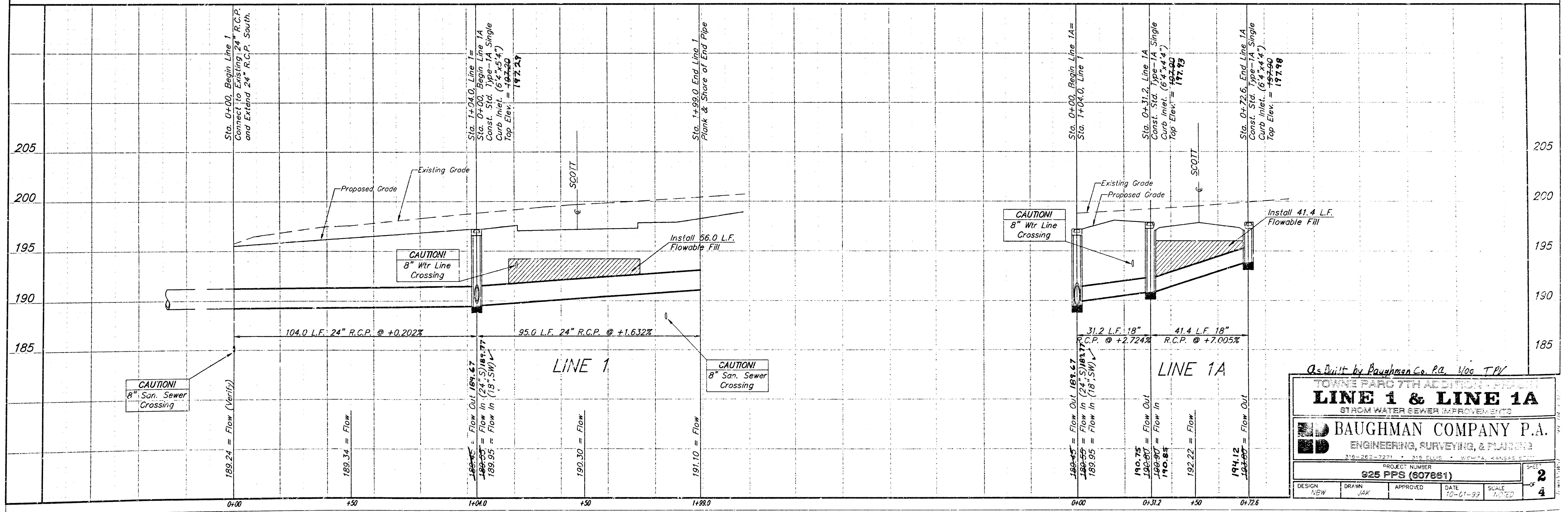
Sta. 0+31.2, Line 1A
 Const. Std. Type-1A Single
 Curb Inlet. (6'4"x4'4")
 Top Elev. = 197.99
 197.93

Sta. 0+31.2 to Sta. 0+72.6
 Install 41.4 L.F. Flowable Fill
 Per City Specifications.
 Fill to Elev. 196.00

Sta. 1+99.0 End Line 1
 Plank & Shore End of Pipe

Sta. 1+17.5 to Sta. 1+73.5
 Install 56.0 L.F. Flowable Fill
 Per City Specifications.
 Fill to Elev. 194.50

Sta. 0+72.6, End Line 1A
 Const. Std. Type-1A Single
 Curb Inlet. (6'4"x4'4")
 Top Elev. = 197.99
 197.98



As Built by Baughman Co. P.A. V09 TPK

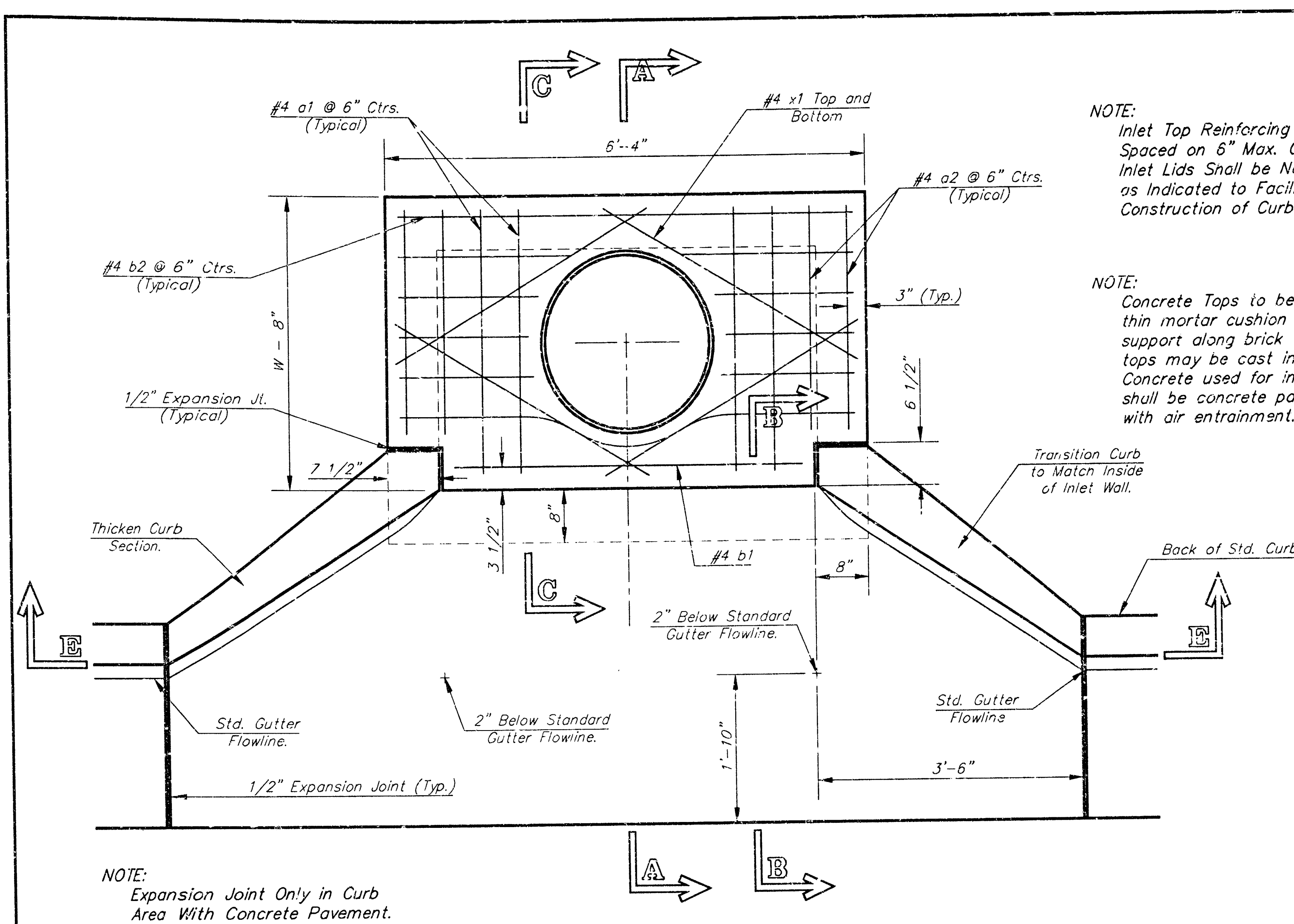
LINE 1 & LINE 1A
 STORM WATER SEWER IMPROVEMENTS

BAUGHMAN COMPANY P.A.
 ENGINEERING, SURVEYING, & PLANNING

PROJECT NUMBER
925 PPS (607861)

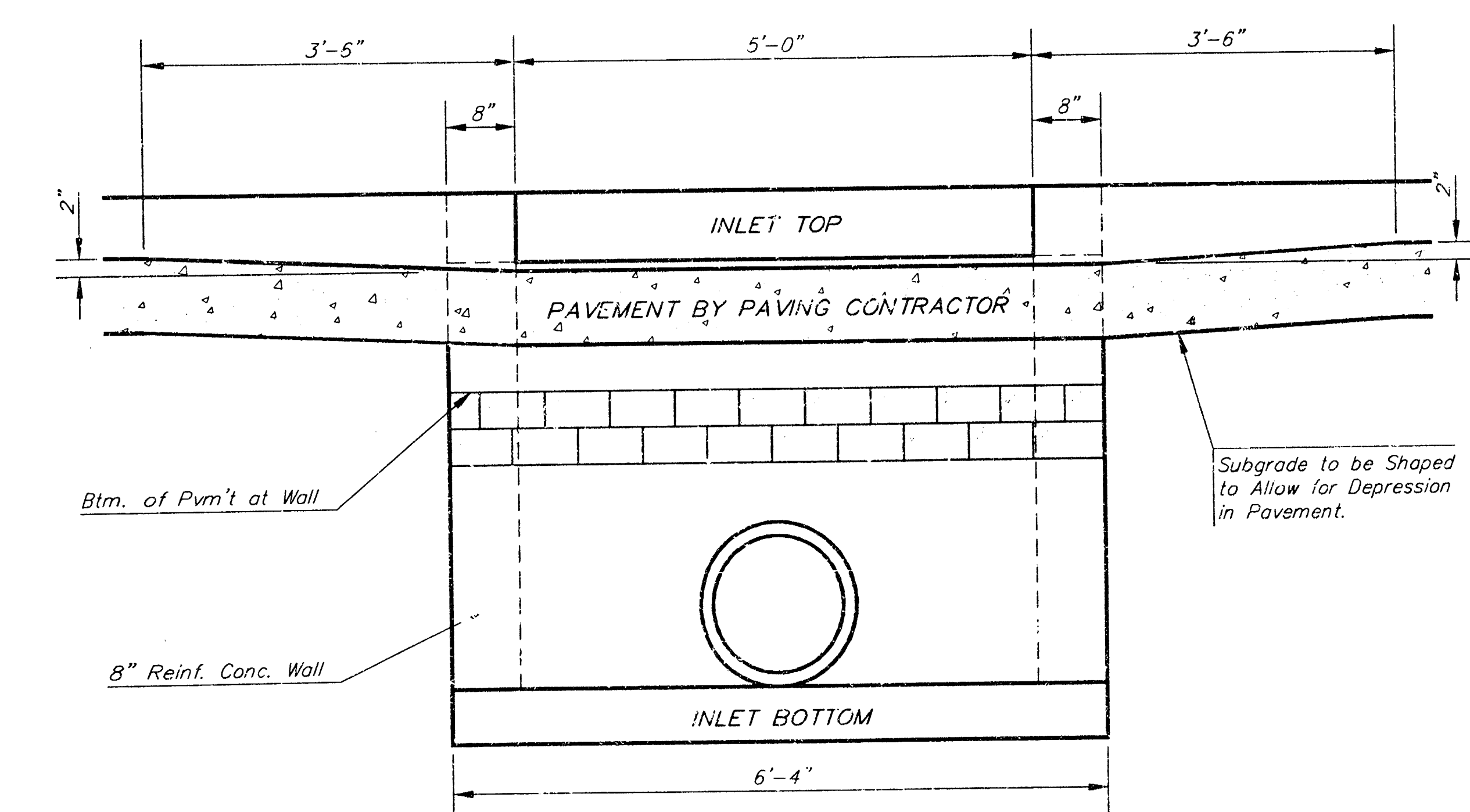
DESIGN: NEW DRAWN: JAY APPROVED: DATE: 10-01-93 SCALE: 1"=20'

SHEET
2
 4

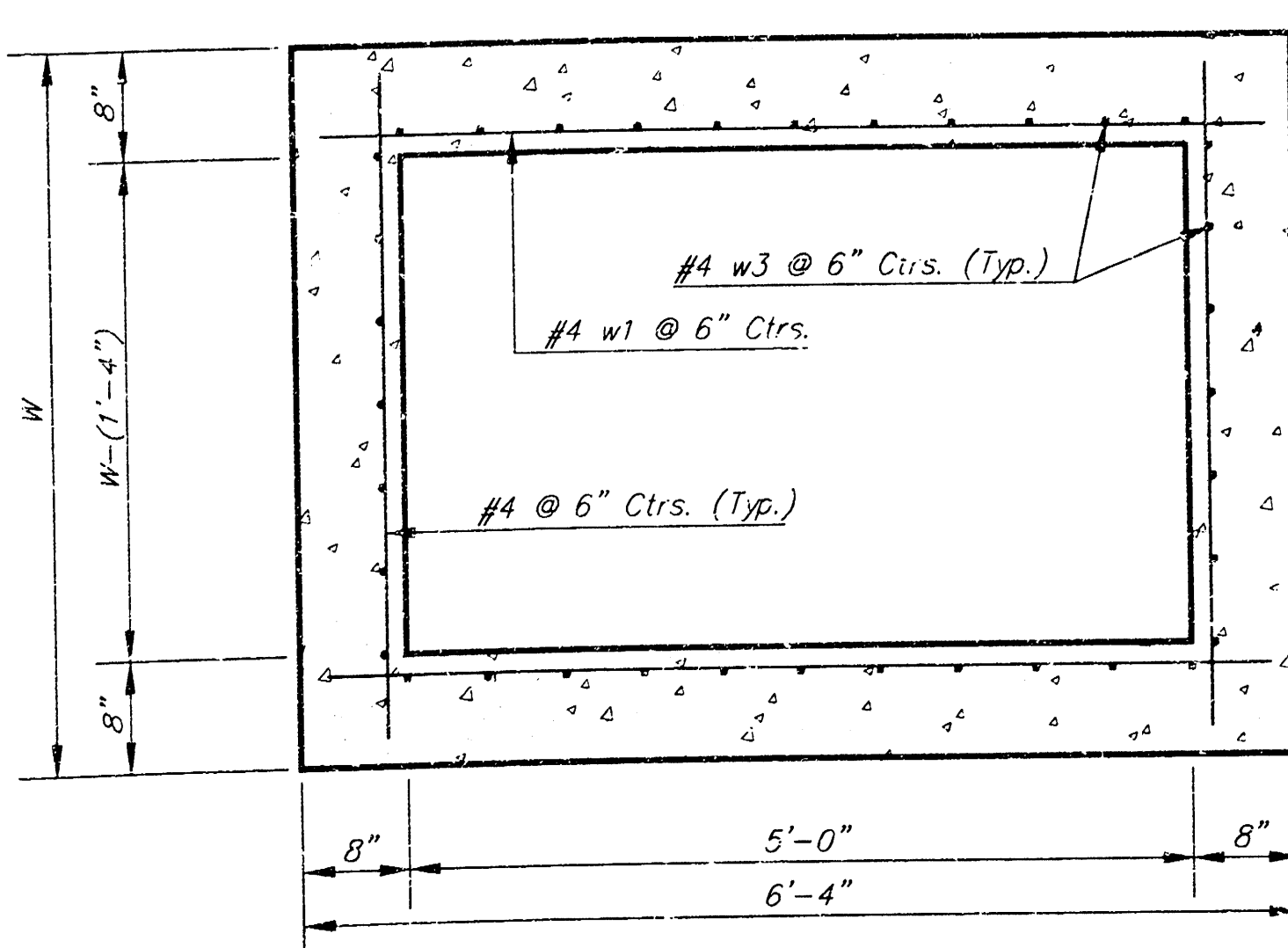


NOTE: Expansion Joint Only in Curb Area With Concrete Pavement.

PLAN



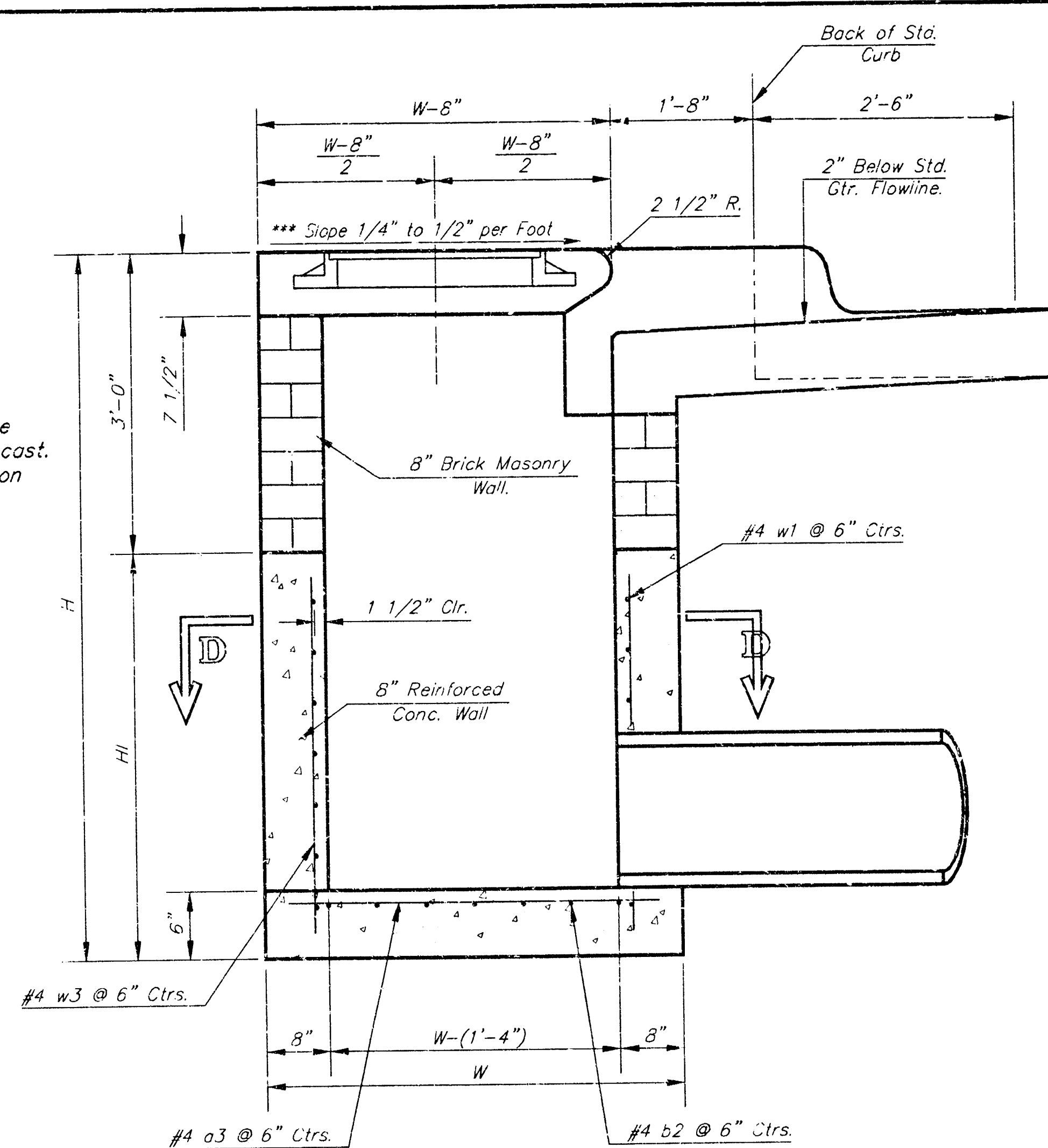
SECTION E-E



SECTION D-D

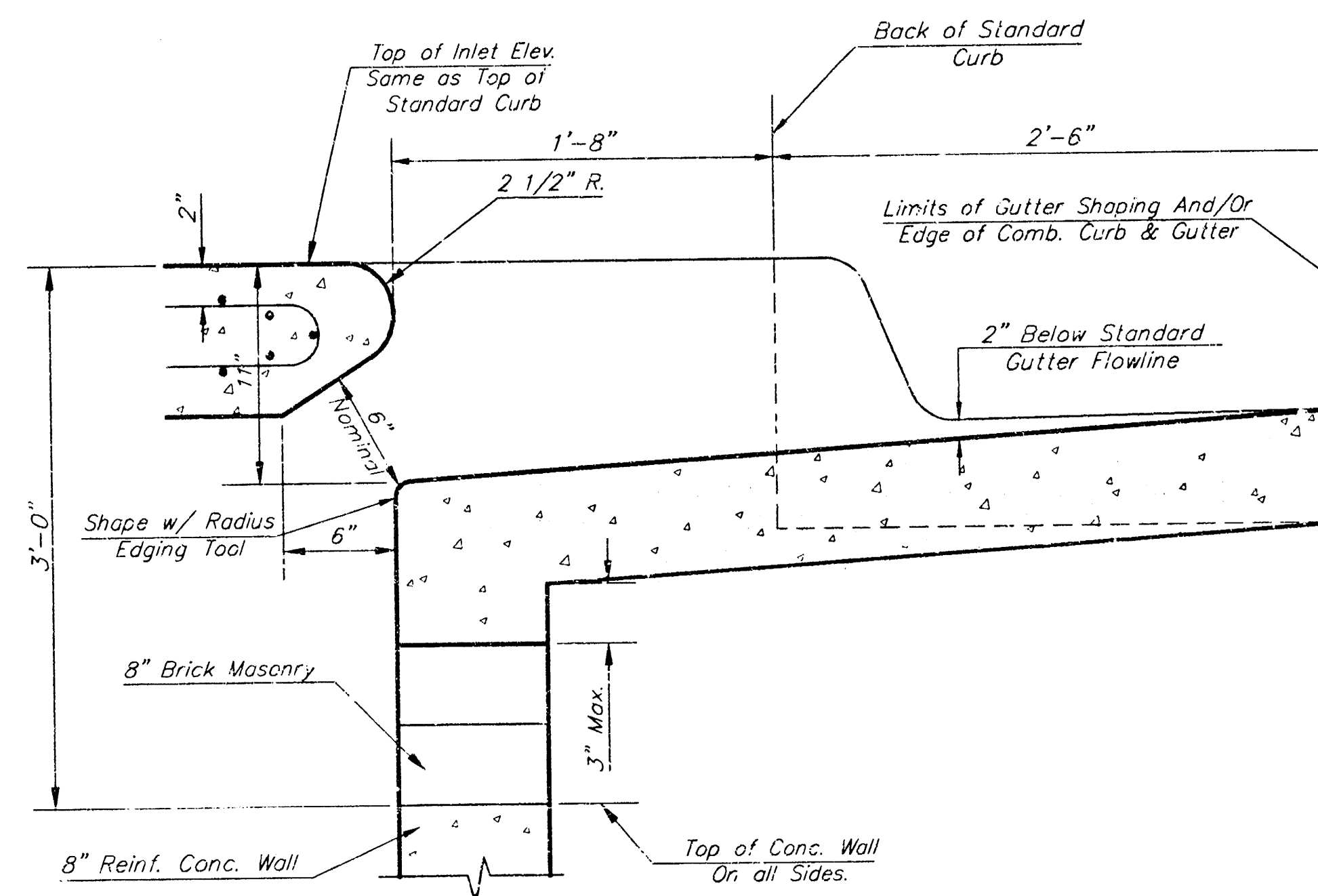
NOTE: Inlet Top Reinforcing shall be Spaced on 6" Max. Centers. Inlet Lids Shall be Notched Out as Indicated to Facilitate Construction of Curb.

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

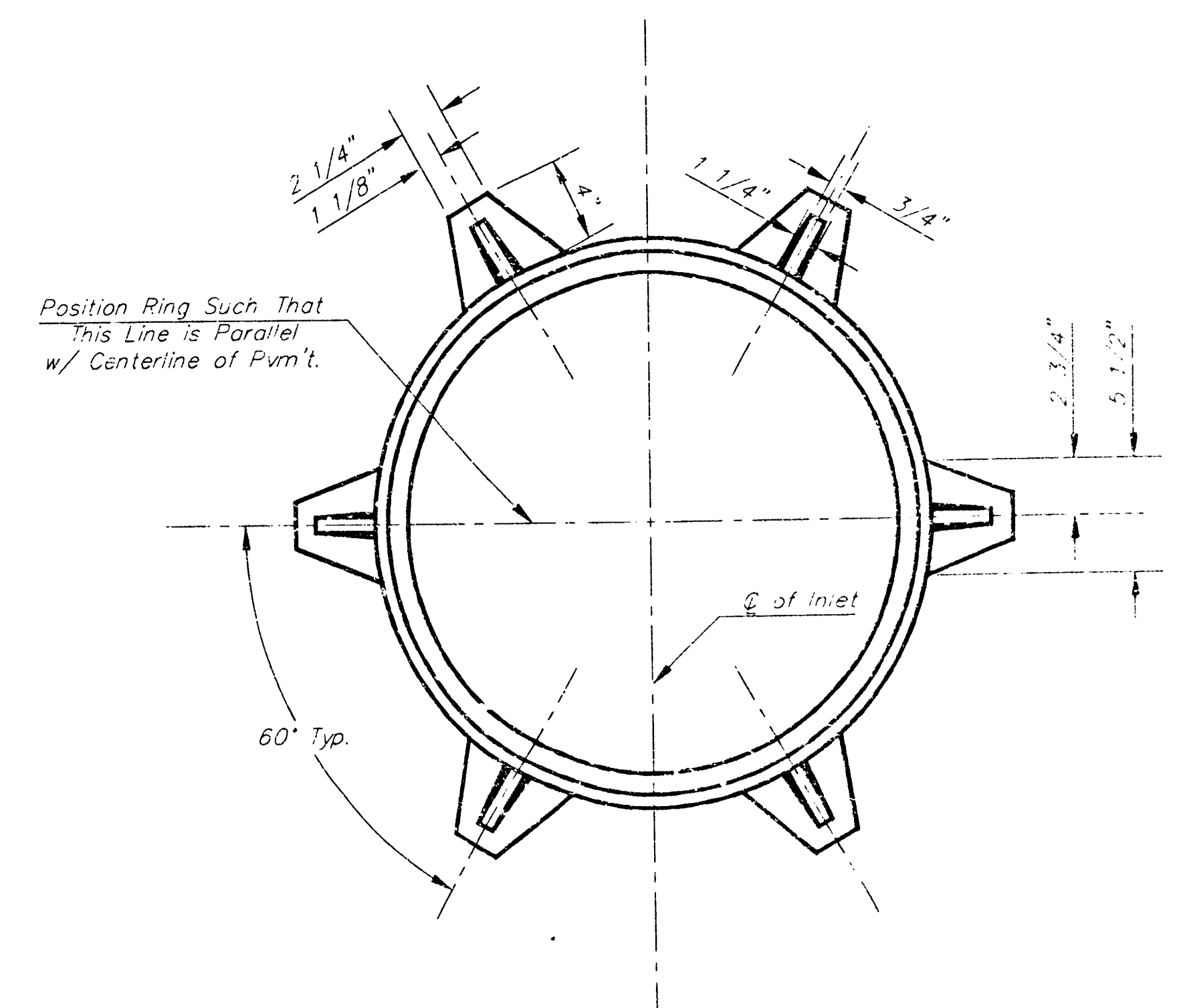
***NOTE: Slope of Inlet tops to Match Sidewalk or Parking Slopes within Limits Indicated.



SECTION B-B

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

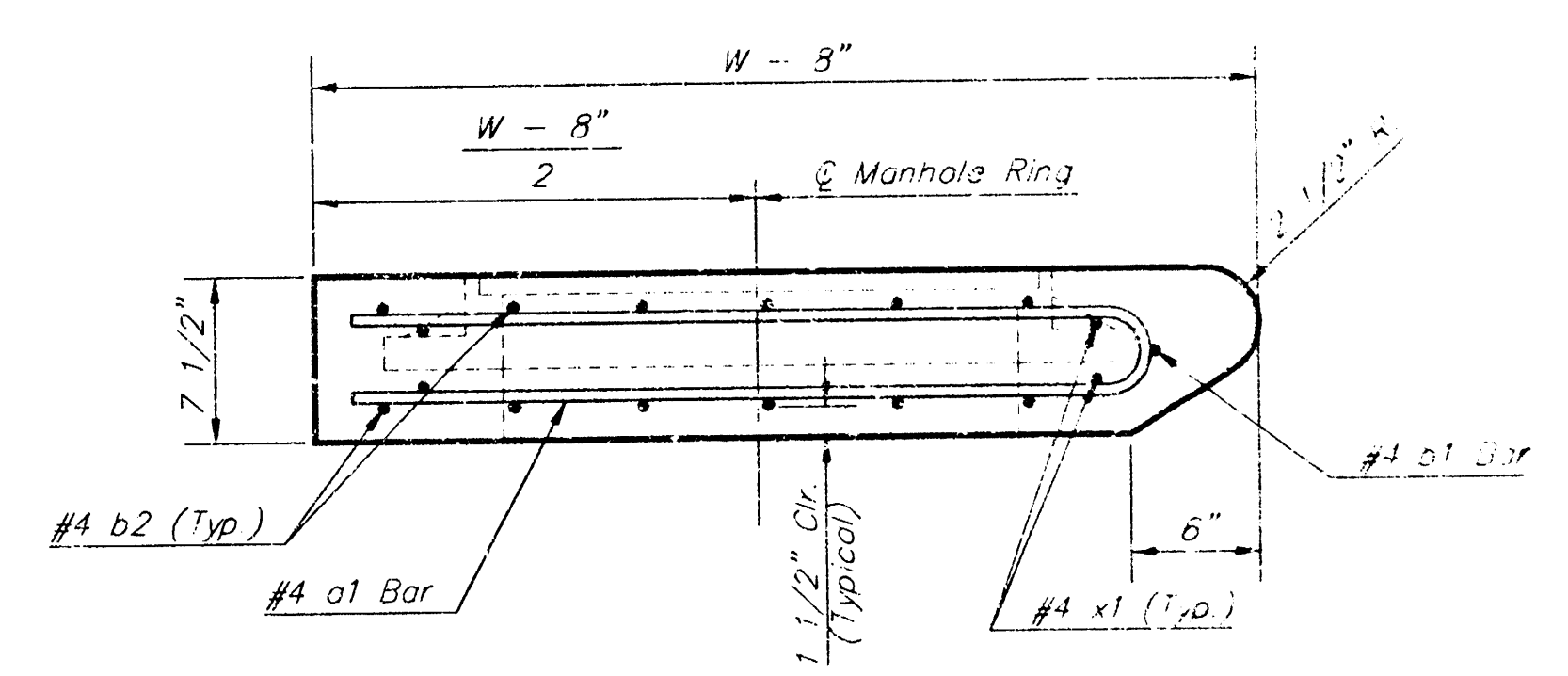
* Field Bend or Cut Reinforcing as Required for Clearance
 ① 4 (H1 - 12") (H1 - 21") Rounded down to nearest 0.5"
 ② H1 - 3"



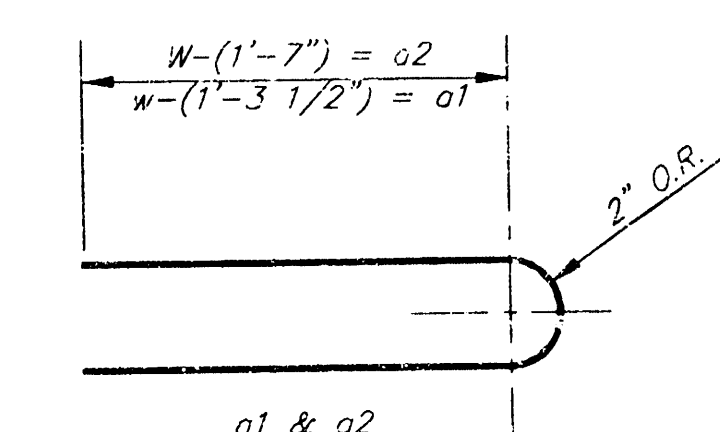
MANHOLE RING AND COVER

Weight = 180 Lbs.

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



SECTION A-A



BENDING DIAGRAM

W	PRE-CAST TOP SIZE	PIPE SIZE	CU. YD. CONC.
4'-4"	3'-8" x 6'-4" x 7 1/2"	21" & SMALLER	0.381
5'-4"	4'-8" x 6'-4" x 7 1/2"	24" & 30"	0.514
6'-4"	5'-8" x 6'-4" x 7 1/2"	36" & 42"	0.644
7'-4"	6'-8" x 6'-4" x 7 1/2"	48" & 54"	0.774
8'-4"	7'-8" x 6'-4" x 7 1/2"	60" & 66"	0.904

CITY OF WICHITA STANDARD TO 11A
Curb Inlet Details
 BAUGHMAN COMPANY P.A.
 ENGINEERING, SURVEYING, & PLANNING
 116-262-7371 • 316 S. 11TH ST. • WICHITA, KANSAS 67202
 PROJECT NUMBER: 825 PPS (607881)
 SHEET: 35
 DESIGN: C.O.W. DRAWN: Staff APPROVED: DATE: 7/1/93 SCALE: None

Revised - Feb 16, 1989

