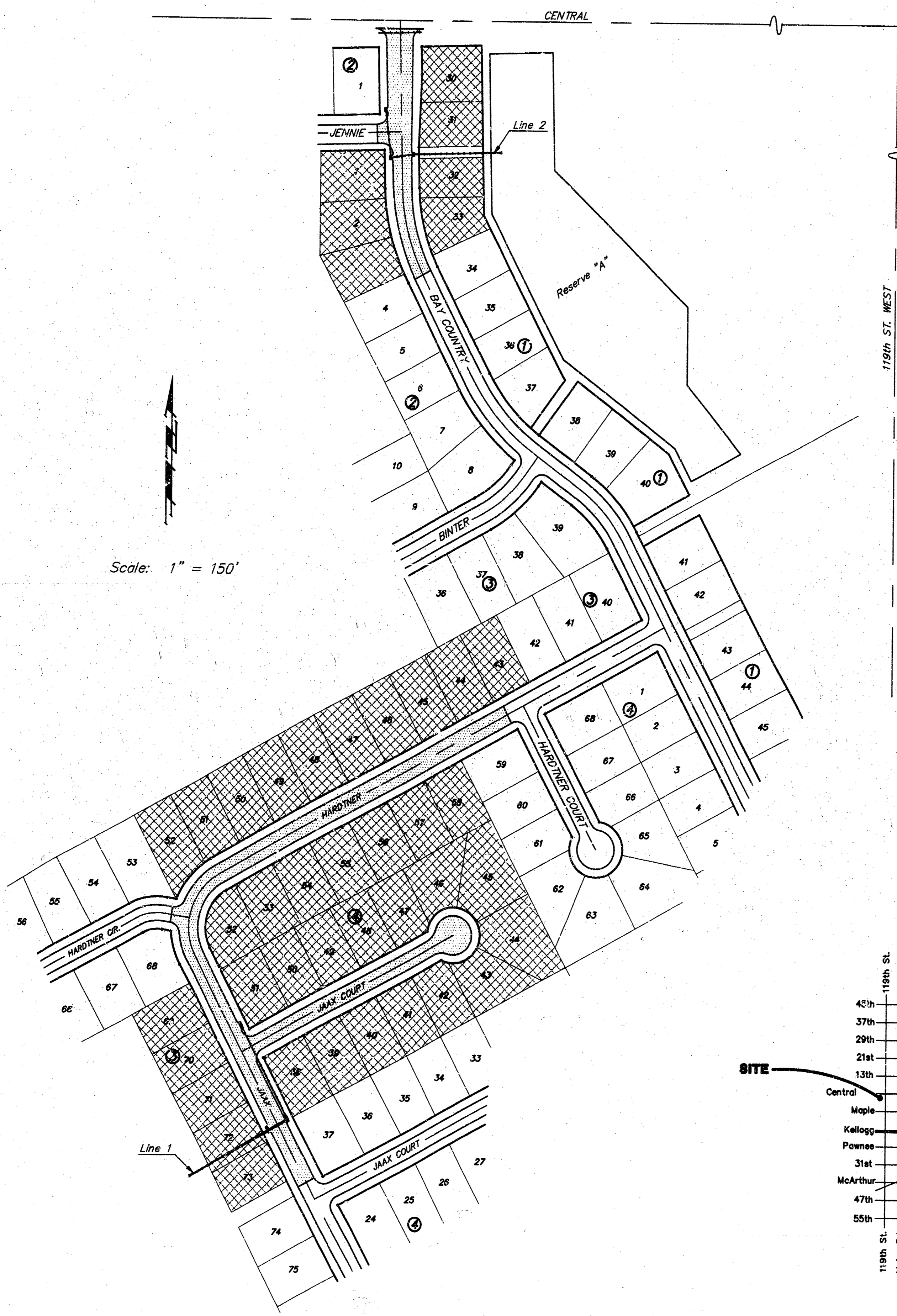


**STREET IMPROVEMENTS & INCIDENTAL DRAINAGE
TO SERVE**

BAY COUNTRY - PHASE IV

Private Project Number
103 PPP (607879)

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



Scale: 1" = 150'

Benchmarks:

- Railroad Spike in High Line Pole
Located at the Northeast Corner of
Lot 30, Block 1, Bay Country.
Elevation = 154.44 (City Datum)
- "□" Cut in Top of Curb Located
at the Northwest Corner of Lot 45,
Block 1, Bay Country.
Elevation = 153.87 (City Datum)
- "□" Cut in Top of Curb Located
at the Southwest Corner of Lot 37,
Block 4, Bay Country.
Elevation = 142.48 (City Datum)

Sheet Index:

1. Title Sheet
2. 35' Pavement Typical
3. 29' Pavement Typical
4. Sign Detail
5. Jaax
- 6-7. Hardtner
8. Jaax Court
9. Bay Country
10. Incidental Drainage Line 1
11. Incidental Drainage Line 2
12. Type 1A Single Inlet Detail
13. Type 1A Double Inlet Detail

General Notes

1. 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	263-7511
Kansas Gas & Electric Company	264-1141
Peoples Nat. Gas Company	942-8350
Southwestern Bell Telephone Company	1-571-2611
City of Wichita Water Department	268-4908
City of Wichita Sewer Maintenance	268-4071
2. Utility service lines, poles, valve boxes, meters, and etcetera 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.
3. A saw cut of at least one-half the depth of existing surface courses or one-fourth the depth of the existing total pavement thickness shall be provided at locations where proposed construction abuts an existing surface course or pavement for which partial removal of that surface or pavement is required. Sowed joint to facilitate removal within three (3) feet of existing joints will not be permitted and for such instances the limits of removal shall extend to the existing joint. Such saw cuts will not be paid for directly and this cost shall be considered as subsidiary to the removal of the surface or pavement.
4. 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.
5. The Contractor shall give all property owners and/or tenants of developed property abutting the project limits a minimum of 48 hours notice prior to start of construction.
6. The Contractor shall adjust Water Valve Boxes and Fire Hydrants as directed by the Engineer at the price bid for said adjustments. The Water Department shall field locate water valves one time during construction when requested by the Contractor. It shall be the Contractor's responsibility to preserve such field locations during the construction process. Water valves, water valve boxes or fire hydrants damaged during construction shall be repaired by the contractor at his own expense.
7. This project includes a certain amount of roll type curb construction. Roll Curbs shall be depressed through all driveway openings when such drives are constructed as a part of the project.
8. 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.
9. All areas disturbed by construction operations shall be seeded with Rye Grass at a rate of 300 lbs. per acre immediately following construction in that area. Contractor to prepare ground per City Specifications.

APPROVED AS NOTED
BY CITY ENGINEER OF WICHITA

Sanitary Sewers _____

Storm Sewers _____

Driveway Approaches _____

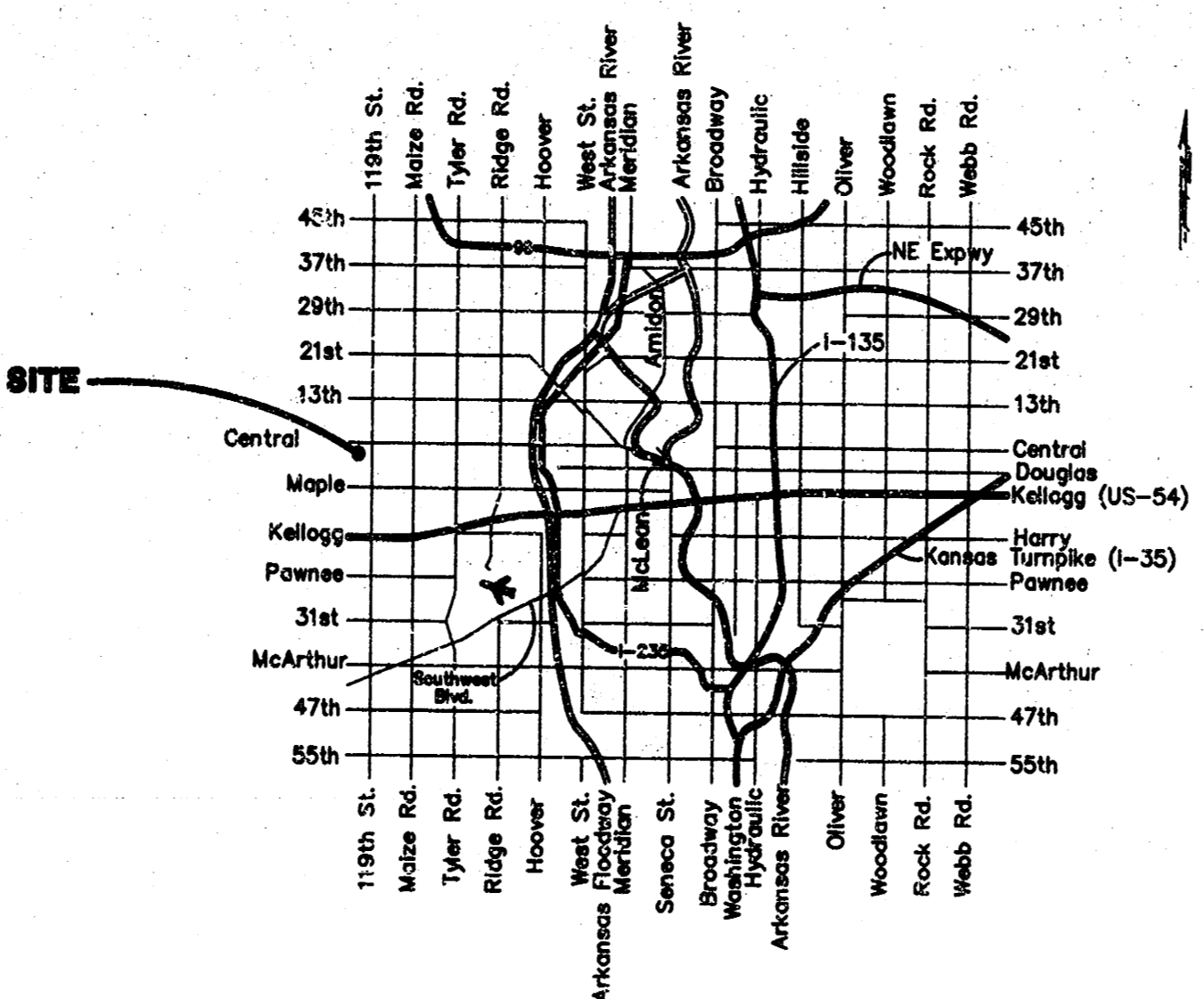
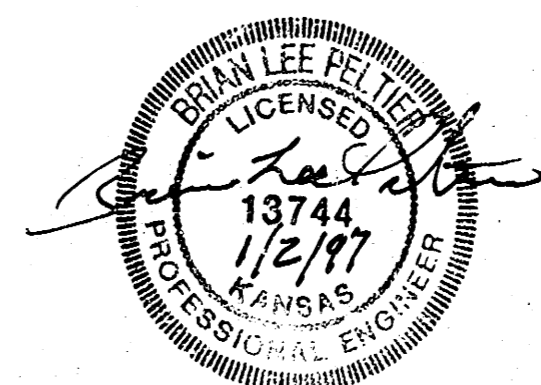
Water Mains _____

Paving VRH 1/22/97

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).

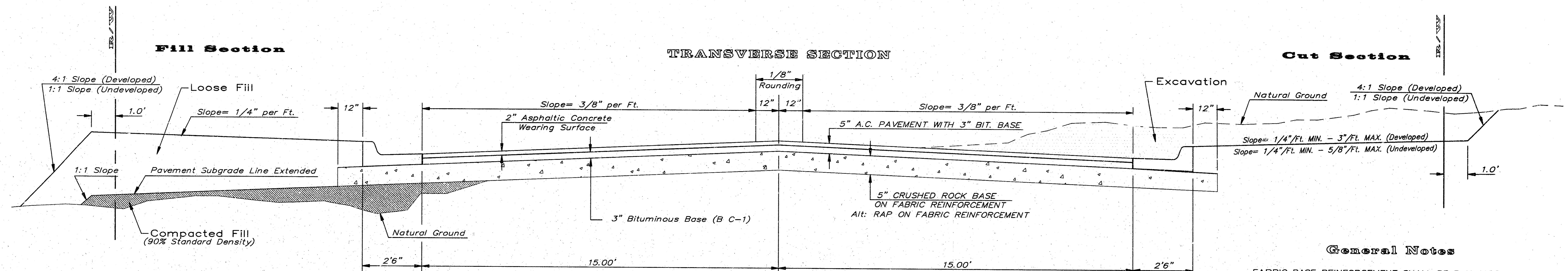
BOOKED
D-352
8-14-97
MCA



Vicinity Map

Benefit District

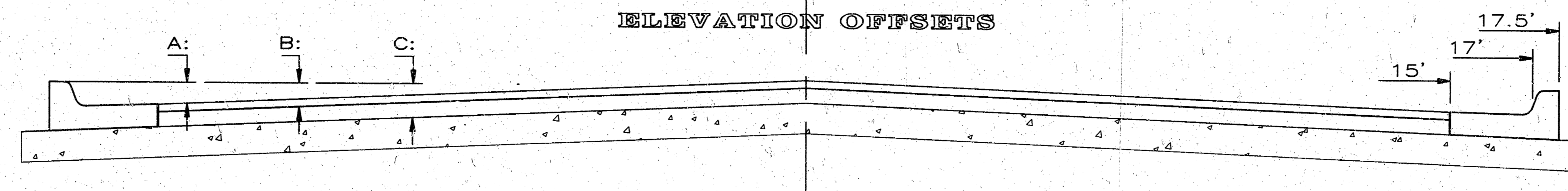
TYPICAL 35' B-B PAVEMENT DETAILS



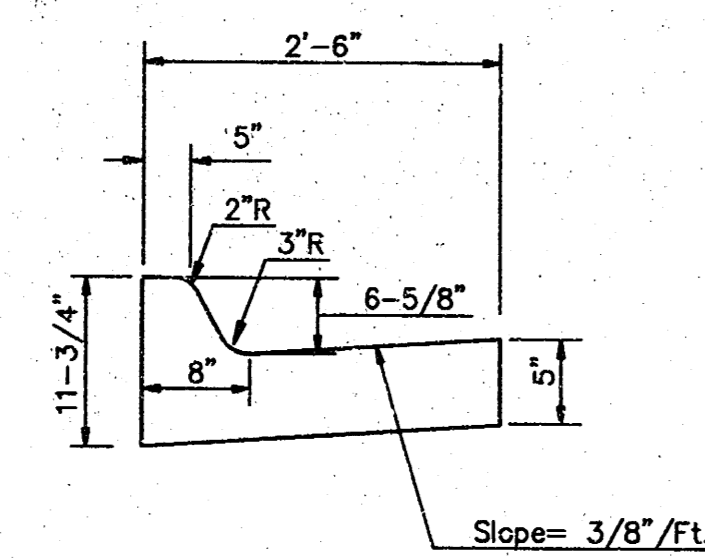
CRUSHED ROCK & RAP GRADATION REQUIREMENTS
PERCENT OF AGGREGATE RETAINED

2-1/2"	0
3/4"	20 - 60
#4	50 - 80
#40	80 - 94
#200	90 - 98

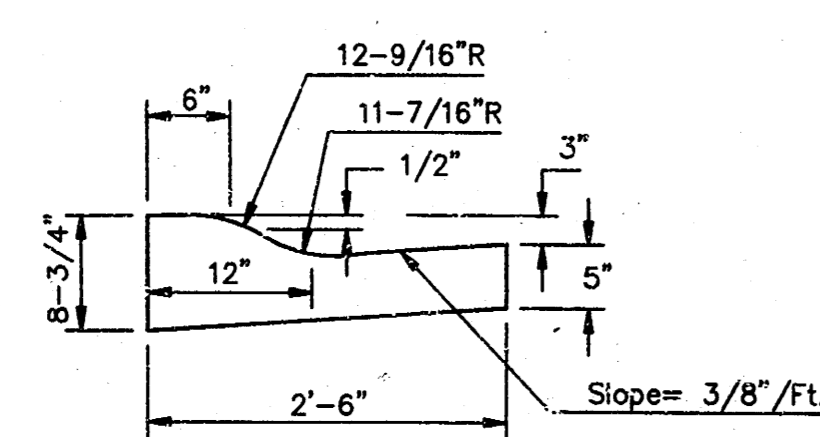
ROCK QUALITY SHALL CONFORM TO THE REQUIREMENTS SPECIFIED BY THE KDOT 1990 EDITION STANDARD SPECIFICATION SUBSECTION 1102 FOR DURABILITY CLASS I.



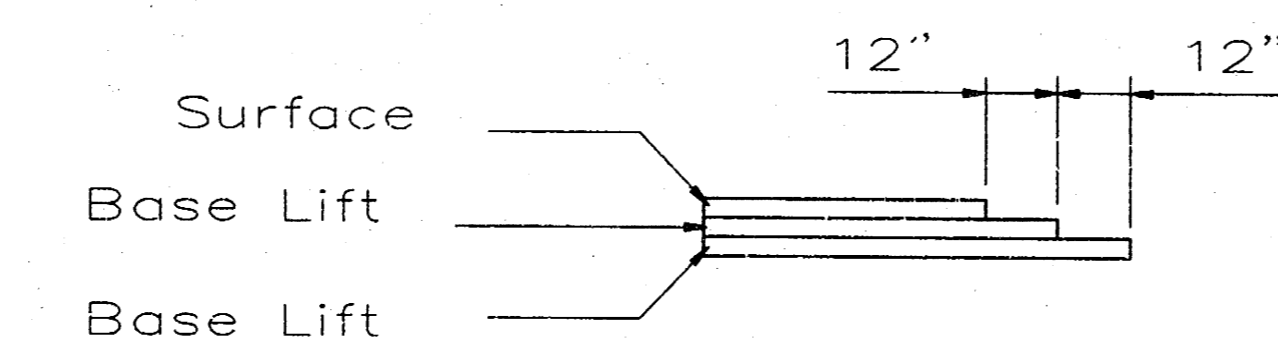
	0'	2'	4'	6'	8.5'	10'	12'	14'	15'	17'	17.5'	18.5'
A: Top of Curbs to Top of Surface Lift	0.04	0.08	0.14	0.21	0.29	0.33	0.39	0.46	0.49	-	-	-
B: Top of Curbs to Top of Upper Base Lift	0.21	0.25	0.31	0.37	0.45	0.50	0.56	0.62	0.65	-	-	-
C: Top of Curbs to Top of C. R. Subgrade	0.46	0.50	0.56	0.63	0.71	0.75	0.81	0.88	0.91	0.97	0.98	1.01



COMBINED CURB & GUTTER

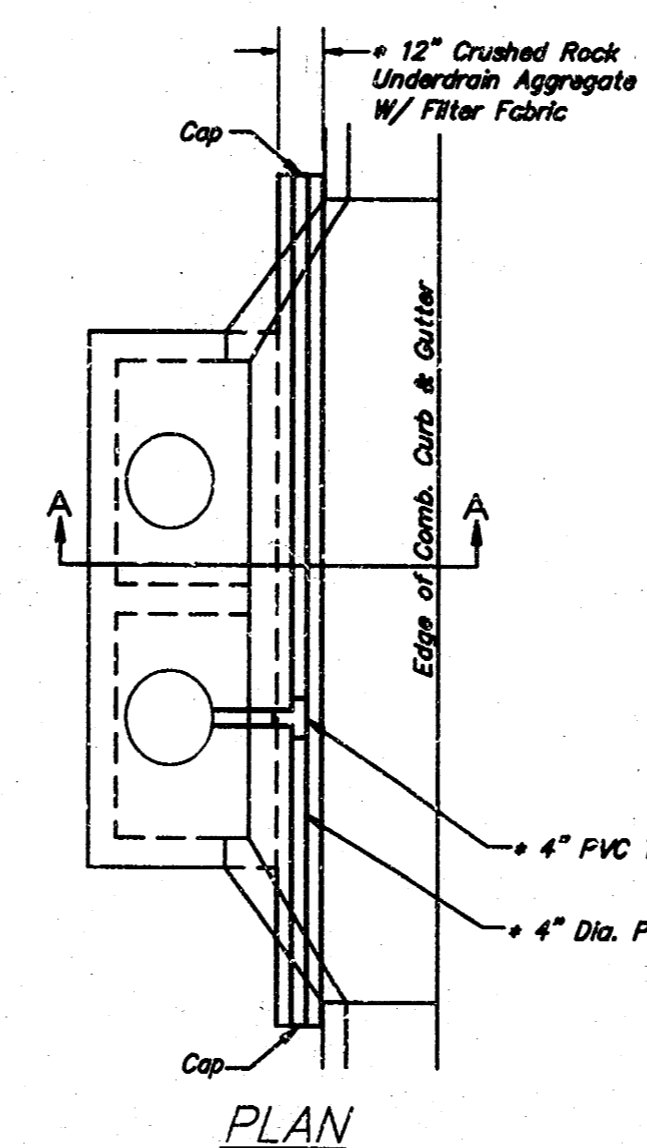


COMBINED ROLL TYPE CURB & GUTTER



TRANSVERSE CONSTRUCTION JOINTS

Transverse construction joints shall be constructed in flexible base pavements at locations where pavement joints existing flexible base pavement as shown by the detail. All costs associated with the construction of the transverse joint shall be included in the bid price for Square Yards 5" ASPHALTIC CONCRETE (3" BITUMINOUS BASE).



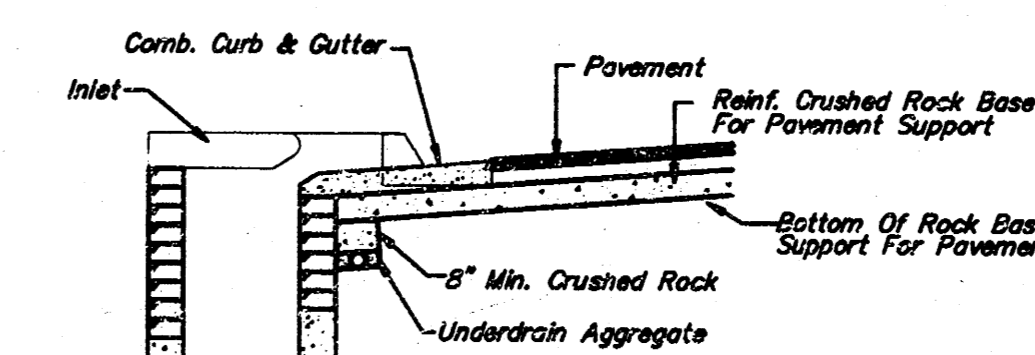
PLAN

* UNDERDRAIN AGGREGATE
Percent of Aggregate Retained

1"	0
3/4"	0 to 10
3/8"	45 to 80
#4	90 to 100
#8	95 to 100

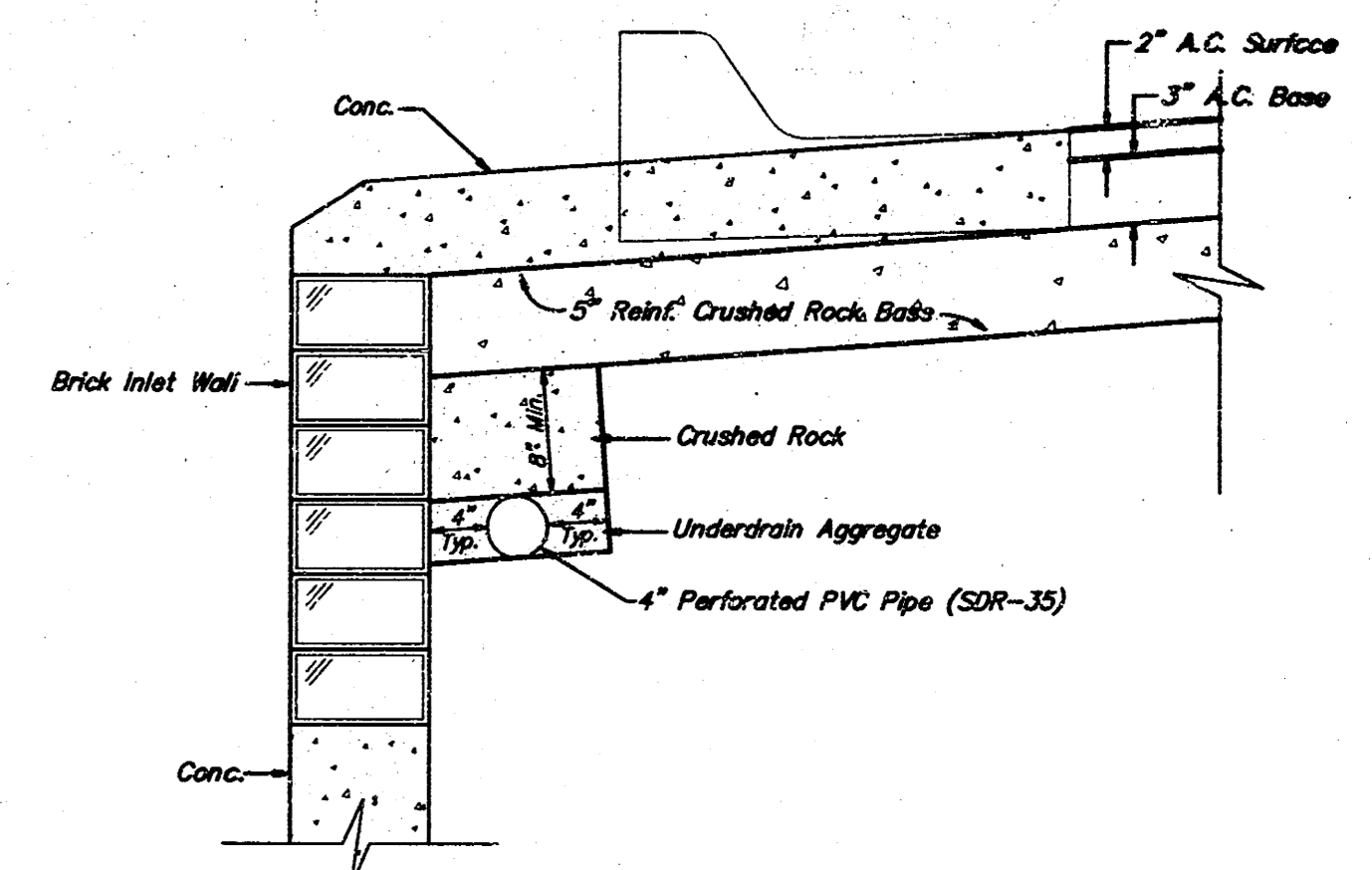
Rock Quality Shall Conform To The Requirements Specified By K.D.O.T. 1990 Edition Standard Specification Subsection 1102 For Durability Class I.

NOTE: Place 4" PVC Perforated Pipe at all drainage sump locations.
Cost of Underdrain System to be incidental to the Reinforced Crushed Rock Subgrade.
Inlet Type May Vary From That Shown.



SECTION A-A

PAVEMENT UNDERDRAIN DETAIL
NOT TO SCALE



TRENCH DRAIN DETAIL FOR RES. STREETS
NOT TO SCALE

General Notes

FABRIC BASE REINFORCEMENT SHALL BE B X 1100 BY TENSAR CORPORATION OR APPROVED EQUAL. FABRIC BASE REINFORCEMENT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

ROCK BASE IS TO BE COMPACTED AND SMOOTHED WITH A STEEL FACED ROLLER PRIOR TO PLACEMENT OF ASPHALT. TACK COAT WILL NOT BE APPLIED TO ROCK BASE.

A TACK COAT OF EMULSIFIED ASPHALT (SC-1H OR CSS-1H) SHALL BE APPLIED AT AN APPROXIMATE RATE OF 0.05 GALLONS PER SQUARE YARD BETWEEN EACH LIFT OF ASPHALTIC MATERIAL.

BITUMINOUS BASE AND ASPHALTIC CONCRETE WEARING SURFACE SHALL BE PLACED WITH A LAYDOWN MACHINE HAVING AUTOMATIC CONTROLS FOR LINE AND GRADE.

CONSTRUCTION JOINTS IN EACH LIFT SHALL BE STAGGERED A MINIMUM DISTANCE OF ONE (1) FOOT FROM JOINTS IN PRECEDING LIFTS AND PLACED SO THAT A JOINT WILL BE CONSTRUCTED ON THE CENTERLINE OF THE TOP LIFT.

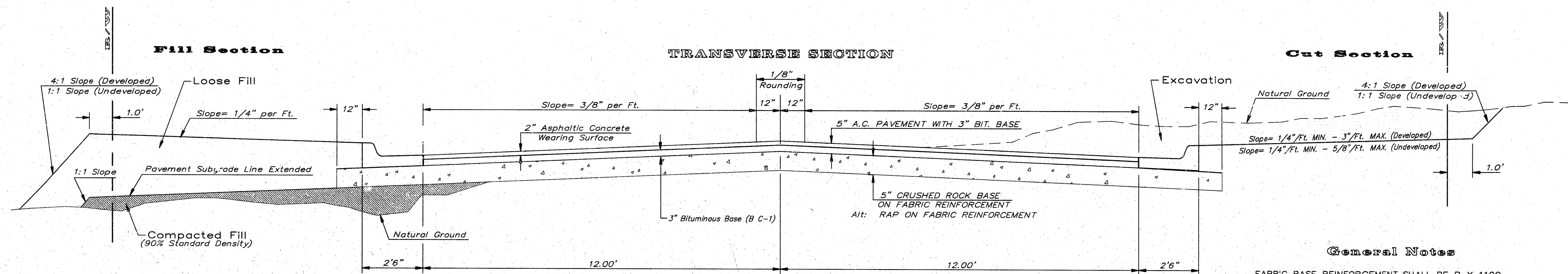
THE ASPHALTIC CONCRETE PAVEMENT BETWEEN THE COMBINED CURB AND GUTTER SHALL BE PAID AS SQUARE YARDS OF 5" ASPHALTIC CONCRETE (3" BITUMINOUS BASE).

5 INCH Residential Asphaltic Concrete
Pavement w/ Crushed Rock Base on Fabric Reinforcement
City of Wichita, Kansas

BAUGHMAN COMPANY P.A.
ENGINEERING, SURVEYING, & PLANNING
318-282-7271 • 315 ELLIS • WICHITA, KANSAS 67211

PROJECT NUMBER
103 PPP (607879)
DESIGN: C.O.W. DRAWN: Staff APPROVED: DATE: SCALE: SHEET **2** OF **13**

TYPICAL 29' B-B PAVEMENT DETAILS

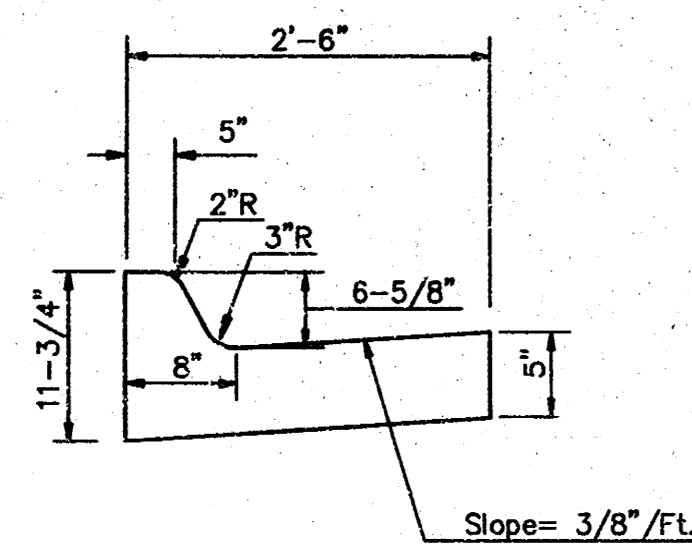


CRUSHED ROCK & RAP GRADATION REQUIREMENTS

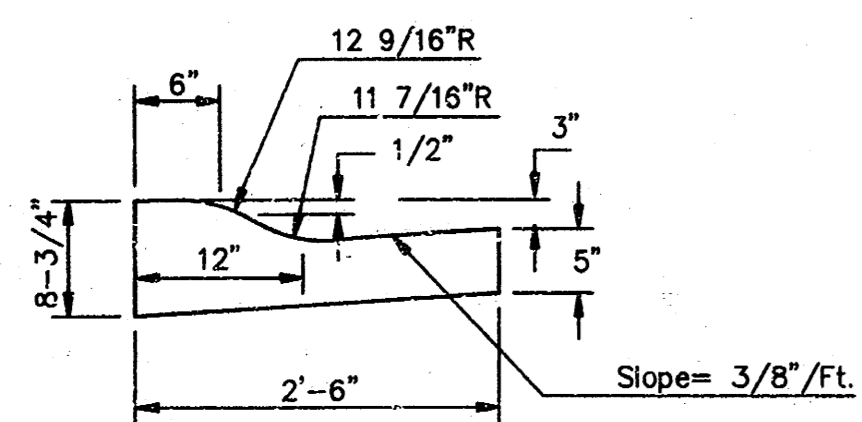
PERCENT OF AGGREGATE RETAINED

2-1/2"	0
3/4"	20 - 60
#4	50 - 80
#40	80 - 94
#200	90 - 98

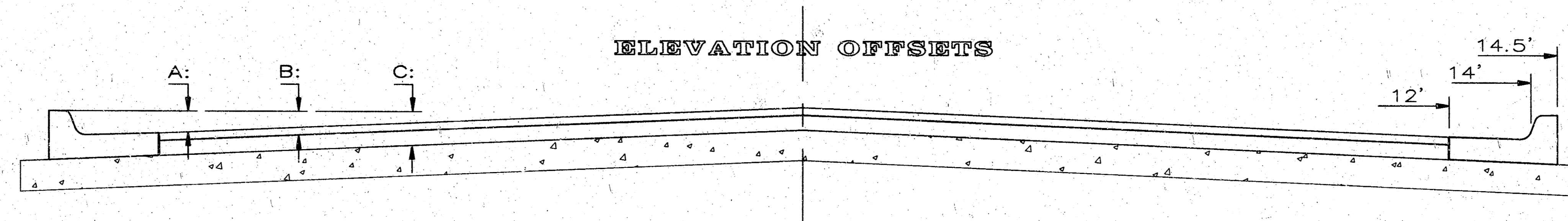
ROCK QUALITY SHALL CONFORM TO THE REQUIREMENTS SPECIFIED BY THE KDOT 1990 EDITION STANDARD SPECIFICATION SUBSECTION 1102 FOR DURABILITY CLASS I.



COMBINED CURB & GUTTER



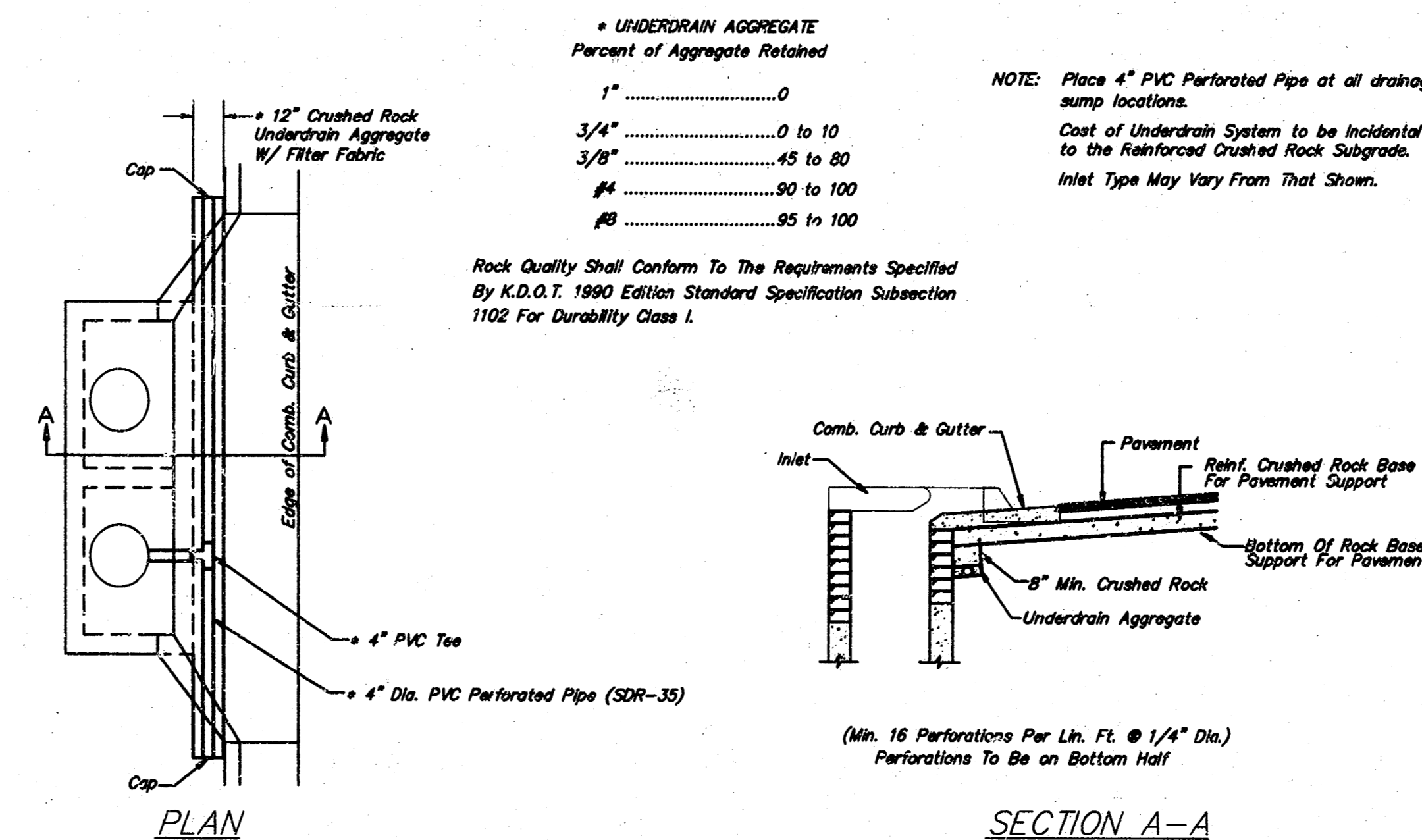
COMBINED ROLL TYPE CURB & GUTTER



	DISTANCE FROM CENTERLINE (LT. & RT.)										
	0'	2'	4'	6'	7'	8'	10'	12'	14'	14.5'	15.5'
A: Top of Curbs to Top of Surface Lift	0.13	0.18	0.24	0.30	0.33	0.36	0.43	0.49	-	-	-
B: Top of Curbs to Top of Upper Base Lift	0.30	0.35	0.41	0.47	0.50	0.53	0.60	0.66	-	-	-
C: Top of Curbs to Top of C.R. Subgrade	0.55	0.60	0.66	0.72	0.75	0.78	0.85	0.91	0.97	0.98	1.01

TRANSVERSE CONSTRUCTION JOINTS

Transverse construction joints shall be constructed in flexible base pavements at locations where pavement joints existing flexible base pavement as shown by the detail. All costs associated with the construction of the transverse joint shall be included in the bid price for Square Yards 5\"/>



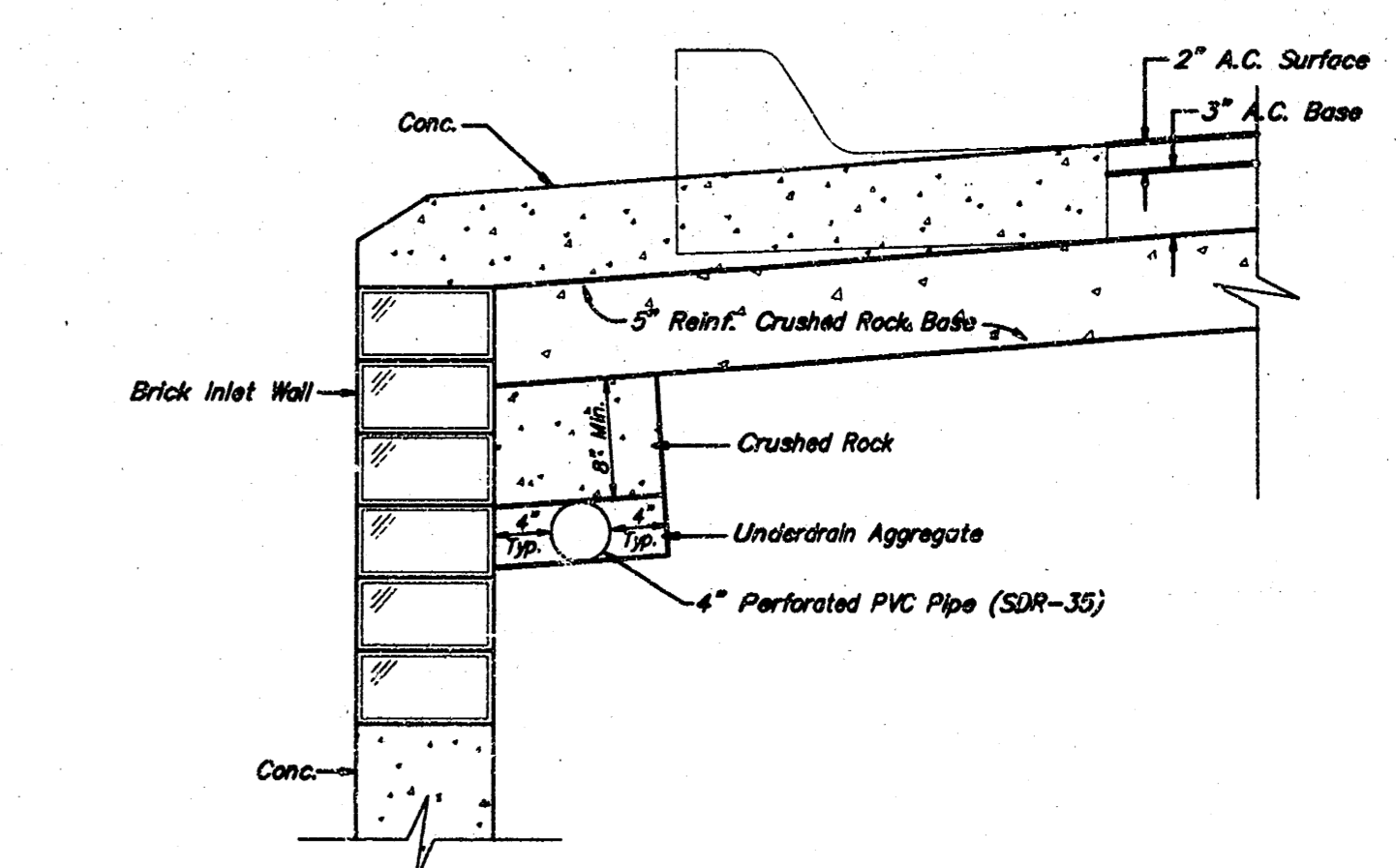
UNDERDRAIN AGGREGATE

Percent of Aggregate Retained

1"	0
3/4"	0 to 10
3/8"	45 to 80
#4	90 to 100
#8	95 to 100

Rock Quality Shall Conform To The Requirements Specified By K.D.O.T. 1990 Edition Standard Specification Subsection 1102 For Durability Class I.

NOTE: Place 4\"/>



TRENCH DRAIN DETAIL FOR RES. STREETS NOT TO SCALE

5 INCH Residential Asphaltic Concrete Pavement w/Crushed Rock Base on Fabric Reinforcement
City of Wichita, Kansas

BAUGHMAN COMPANY P.A.
ENGINEERING, SURVEYING, & PLANNING
316-282-7271 • 313 ELLIS • WICHITA, KANSAS 67211

PROJECT NUMBER
103 PPP (607879)

DESIGN: C.O.W. DRAWN: Staff APPROVED: DATE: SCALE: SHEET **3** OF **13**

Benchmarks:

Railroad Spike in High Line Pole
Located at the Northeast Corner of
Lot 30, Block 1, Bay Country.

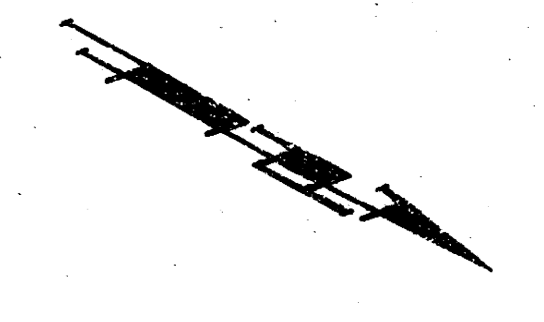
Elevation = 154.44 (City Datum)

"□" Cut in Top of Curb Located at
the Northwest Corner of Lot 45,
Block 1, Bay Country.

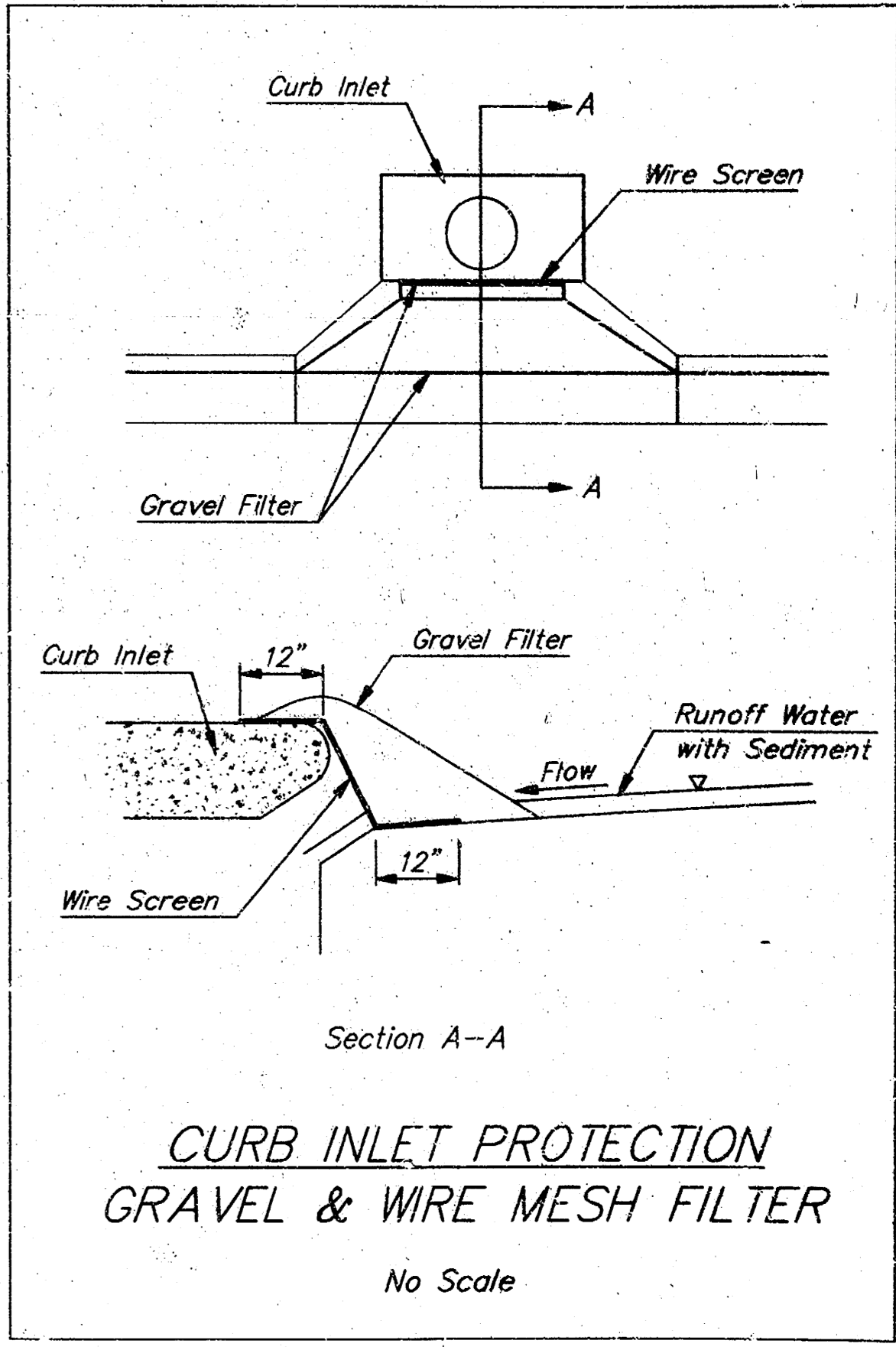
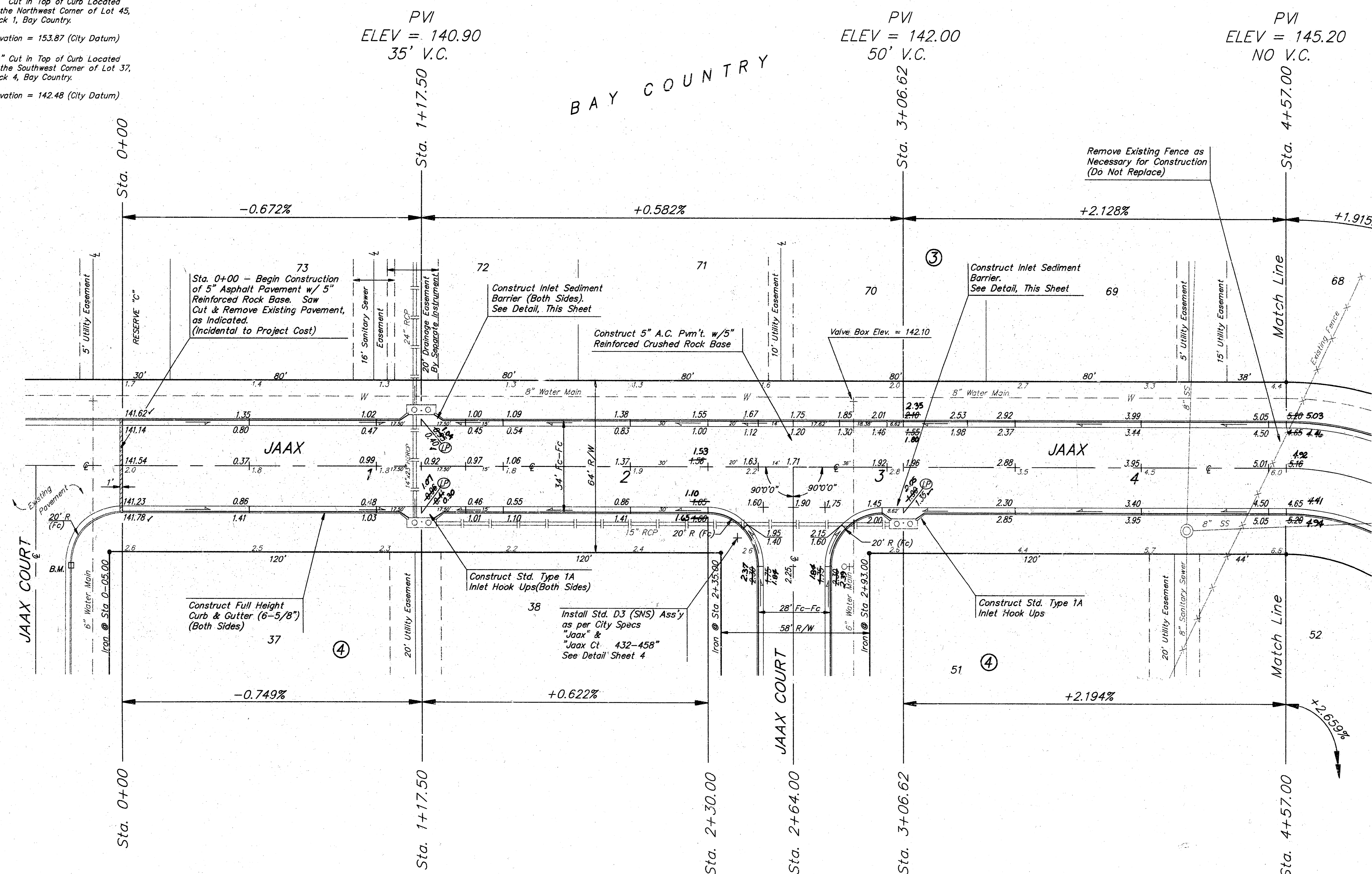
Elevation = 153.87 (City Datum)

"□" Cut in Top of Curb Located at
the Southwest Corner of Lot 37,
Block 4, Bay Country.

Elevation = 142.48 (City Datum)



SCALE: 1" = 20'
• = IRON



AS-BUILT 7/24/97 *dy*

BAY COUNTRY
JAAX
PHASE IV

BAUGHMAN COMPANY P.A.
ENGINEERING, SURVEYING, & PLANNING
316-282-2271 • 318 ELLIS • WICHITA, KANSAS 67211

PROJECT NUMBER
103 PPP (607879)

DESIGN 2P/DMV	DRAWN DMV	APPROVED	DATE 12-23-96	SCALE NOTED	SHEET 5 OF 13
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Benchmarks:

Railroad Spike in High Line Pole
Located at the Northeast Corner of
Lot 30, Block 1, Bay Country.

Elevation = 154.44 (City Datum)

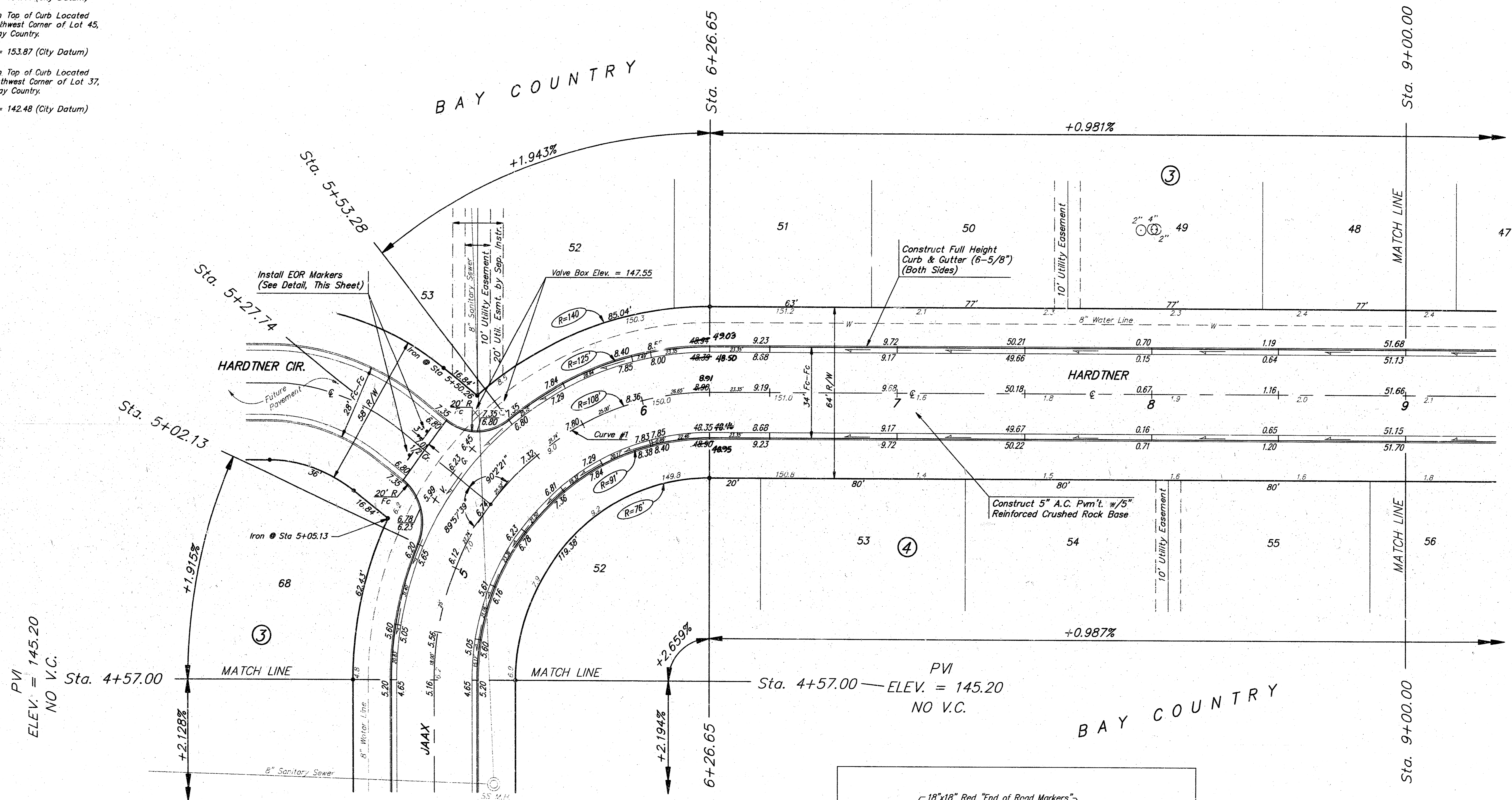
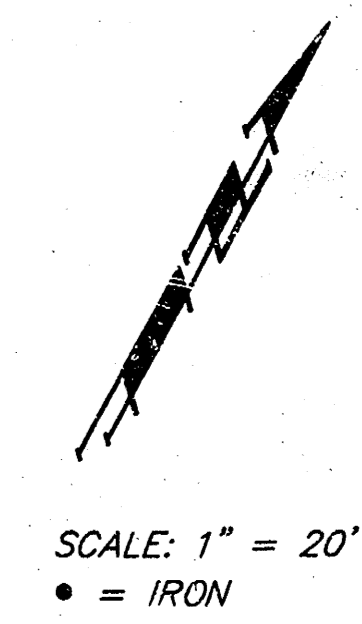
"□" Cut in Top of Curb Located
at the Northwest Corner of Lot 45,
Block 1, Bay Country.

Elevation = 153.87 (City Datum)

"□" Cut in Top of Curb Located
at the Southwest Corner of Lot 37,
Block 4, Bay Country.

Elevation = 142.48 (City Datum)

PVI
ELEV. = 149.00
46.70' V.C.

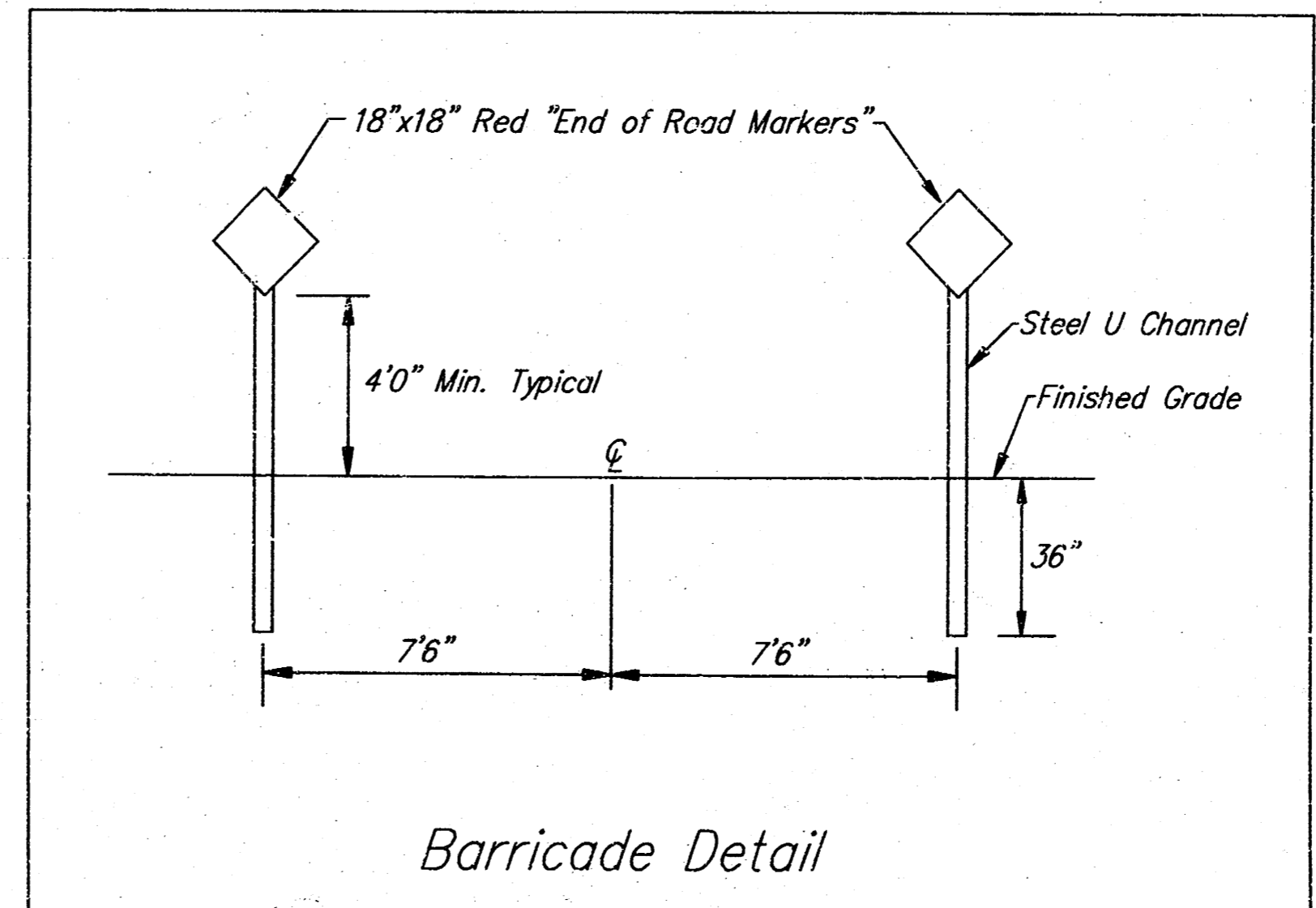


PVI
ELEV. = 145.20
NO V.C.

PVI
ELEV. = 149.00
46.70' V.C.

CURVE # 1
Curve Data Based on Centerline
Rad. = 108' Delta = 90°00'00" Tangent = 142.00'
Arc = 169.65' L.C. = 152.74' Def/FL = 15.91512 Min.

Station	Arc	FACE CHORD LENGTHS		Defl.	T. Defl.
		B LL	B RL		
4+57.00	18.00'	22.14'	13.82'	0°00'00"	0°00'00"
4+75.00	18.00'	22.14'	13.82'	4°46'23"	4°46'23"
5+00.00	25.00'	30.72'	19.17'	6°37'53"	11°24'21"
5+02.13	2.13'	2.62'	1.64'	0°33'54"	11°58'15"
5+27.74	25.61'	31.46'	19.64'	6°47'35"	18°45'50"
5+53.26	25.52'	31.35'	19.57'	6°46'09"	25°31'59"
5+78.00	21.74'	26.73'	16.68'	5°46'00"	31°17'59"
6+00.00	25.00'	30.72'	19.17'	6°37'53"	37°55'52"
6+26.65	26.65'	32.74'	20.43'	7°04'08"	45°00'00"



'AS-BUILT' 7/24/97 DAY

BAY COUNTRY
HARDTNER
PHASE IV

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

PROJECT NUMBER
103 PPP (60787-9)

DESIGN: BP/DMV DRAWN: DMV APPROVED: DATE: 12-23-96 SCALE: NOTED

SHEET
6
OF
13

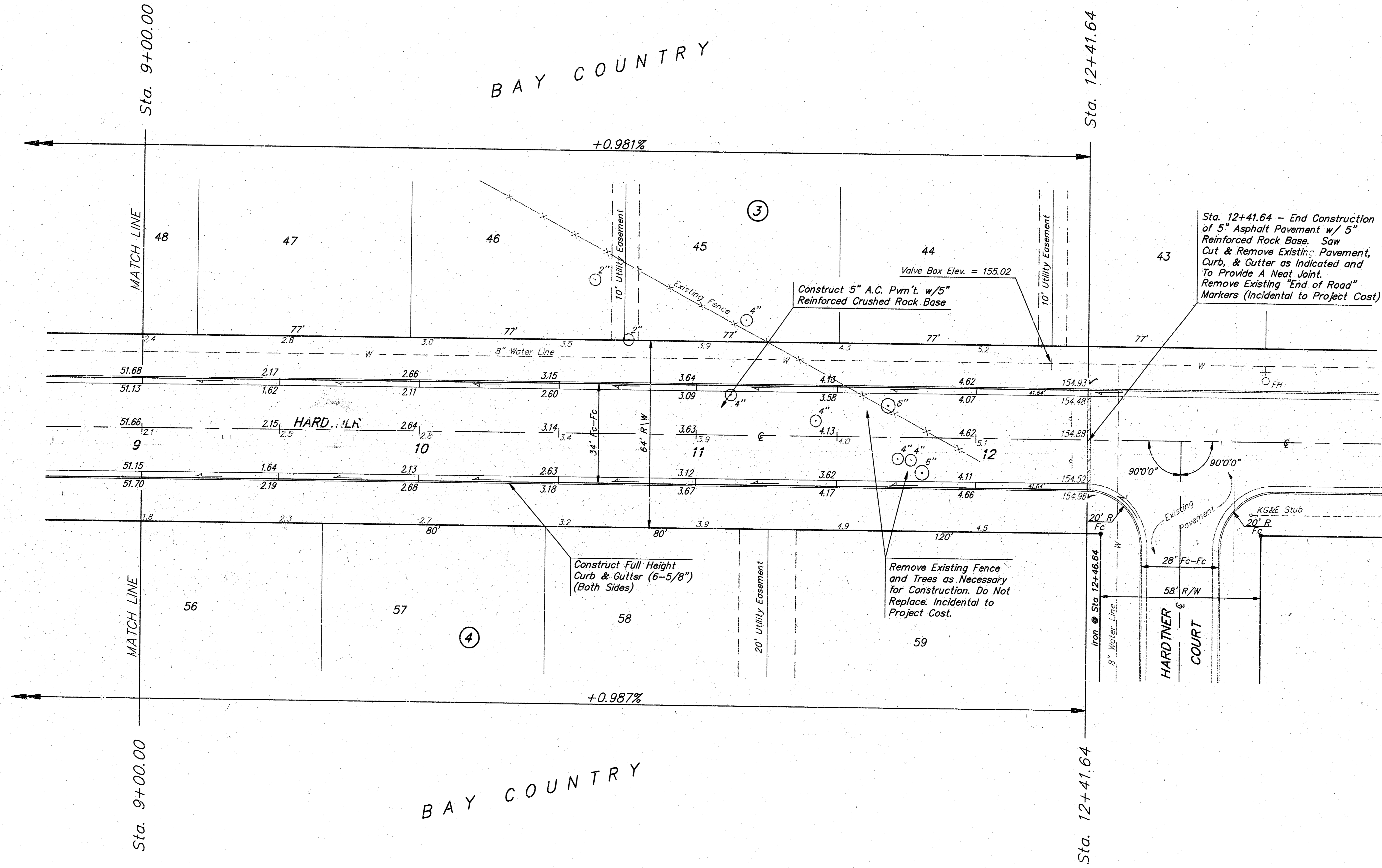
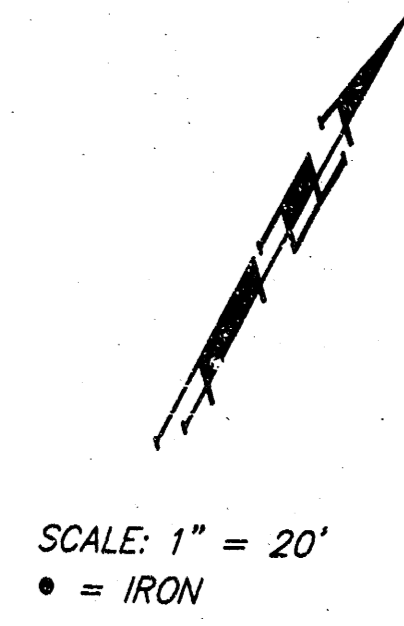
Benchmarks:

Railroad Spike in High Line Pole
Located at the Northeast Corner of
Lot 30, Block 1, Bay Country.

Elevation = 154.44 (City Datum)

"□" Cut in Top of Curb Located
at the Northwest Corner of Lot 45,
Block 1, Bay Country.

Elevation = 153.87 (City Datum)



'AS-BUILT' 7/24/97 DLY

**BAY COUNTRY
HARDTNER**
PHASE IV

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

PROJECT NUMBER
103 PPF (607879)

DESIGN BP/DMV	DRAWN DMV	APPROVED	DATE 12-23-96	SCALE NOTED
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SHEET **7** OF **13**
BAY1576

Benchmarks:

Railroad Spike in High Line Pole
Located at the Northeast Corner of
Lot 30, Block 1, Bay Country.

Elevation = 154.44 (City Datum)

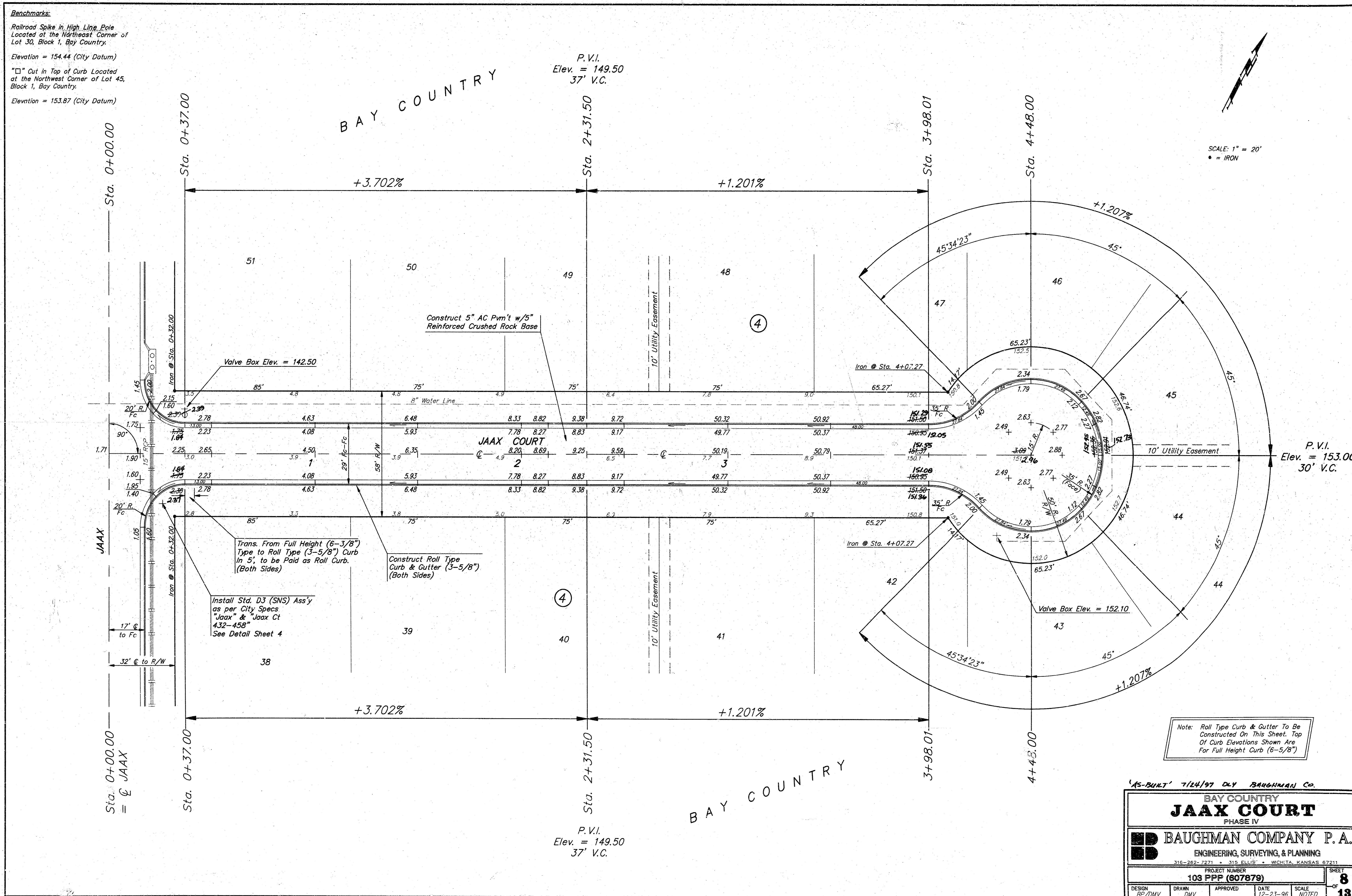
"□" Cut in Top of Curb Located at
the Northwest Corner of Lot 45,
Block 1, Bay Country.

Elevation = 153.87 (City Datum)

P.V.I.
Elev. = 149.50
37' V.C.

P.V.I.
Elev. = 149.50
37' V.C.

SCALE: 1" = 20'
• = IRON



Note: Roll Type Curb & Gutter To Be
Constructed On This Sheet. Top
Of Curb Elevations Shown Are
For Full Height Curb (6-5/8")

AS-BUILT 7/24/97 DLY BAUGHMAN CO.

BAY COUNTRY
JAAX COURT
PHASE IV

BAUGHMAN COMPANY P.A.
ENGINEERING, SURVEYING, & PLANNING
316-262-2231 • 315 ELLIOT • WICHITA, KANSAS 67211

PROJECT NUMBER
103 PPP (607879)

DESIGN: BP/DMV DRAWN: DMV APPROVED: DATE: 12-23-96 SCALE: NOTED

SHEET **8** OF **13**

BAY/PPHS 12/94 96-06-1334

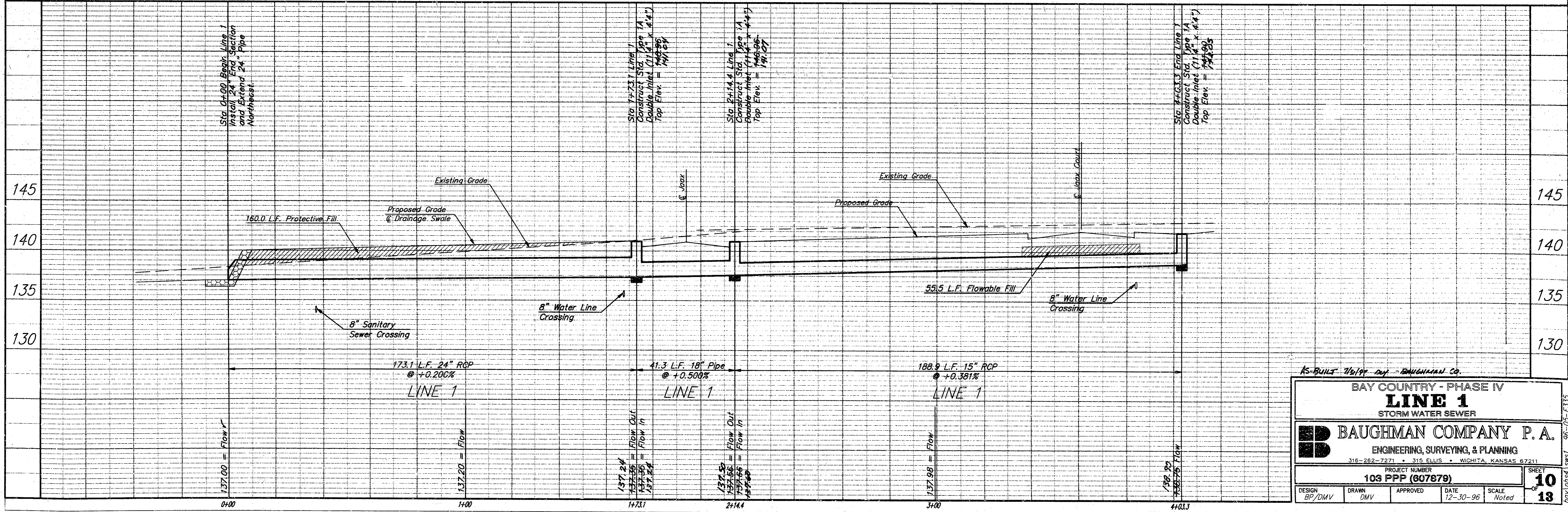
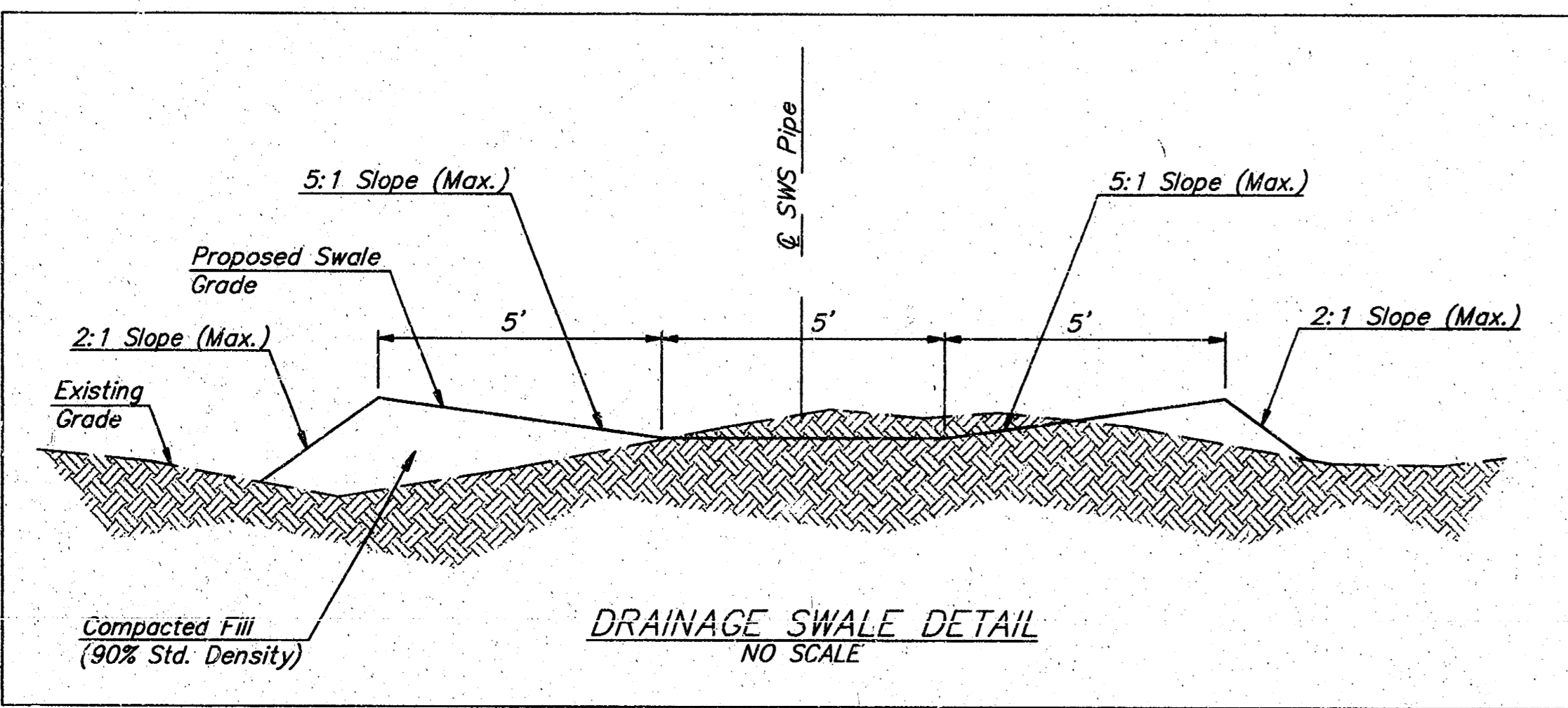
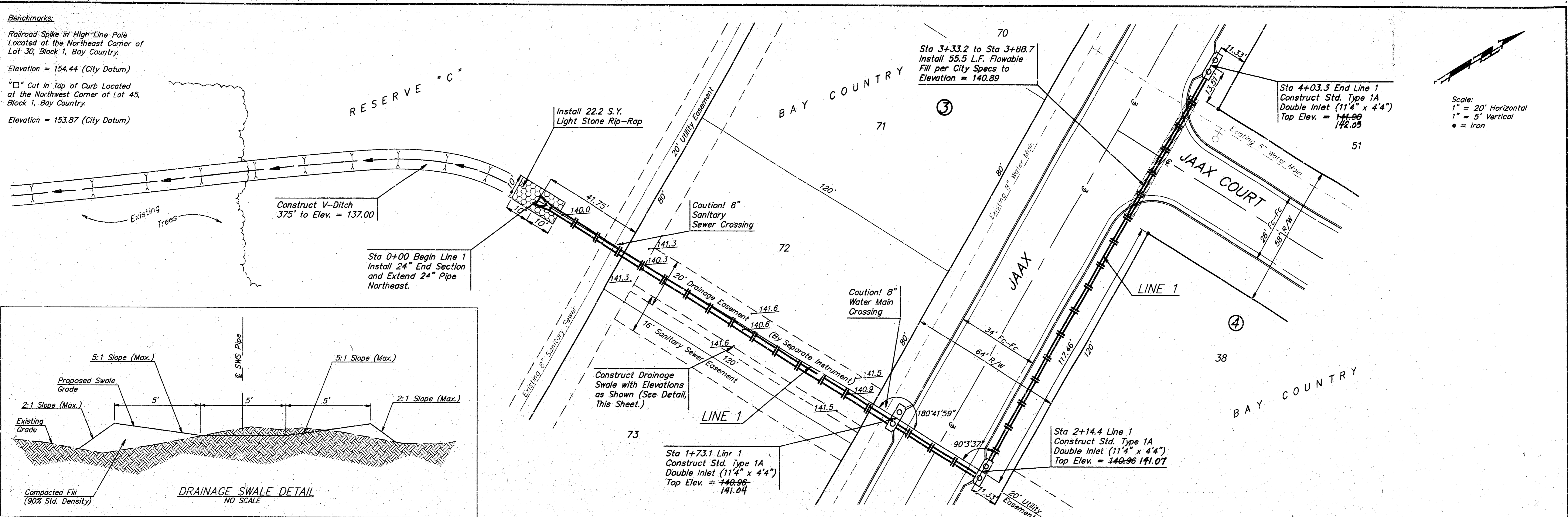
Beichmarks:

Railroad Spike in High-Line Pole Located at the Northeast Corner of Lot 30, Block 1, Bay Country.

Elevation = 154.44 (City Datum)

"□" Cut in Top of Curb Located at the Northwest Corner of Lot 45, Block 1, Bay Country.

Elevation = 153.87 (City Datum)



AS-BUILT 10/19/99 BY - BAUGHMAN CO.

BAY COUNTRY - PHASE IV
LINE 1
STORM WATER SEWER

BAUGHMAN COMPANY P.A.
ENGINEERING, SURVEYING, & PLANNING
316-262-2221 • 316 ELLIS • WICHITA, KANSAS 67211

PROJECT NUMBER
103 PPP (607879)

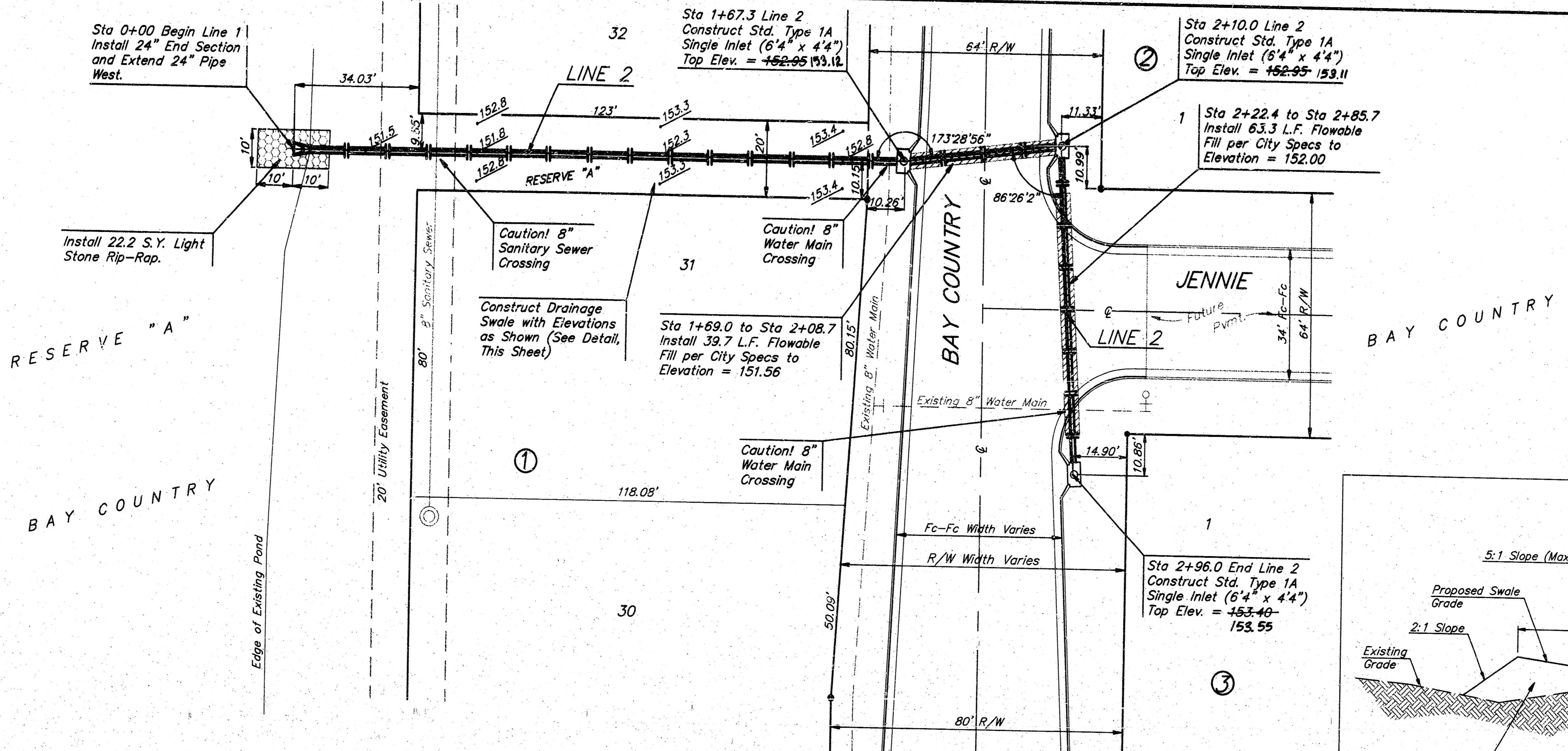
DESIGN BP/DMV	DRAWN DMV	APPROVED	DATE 12-30-96	SCALE Noted	SHEET 10
					SHEET 13

99-05-E335

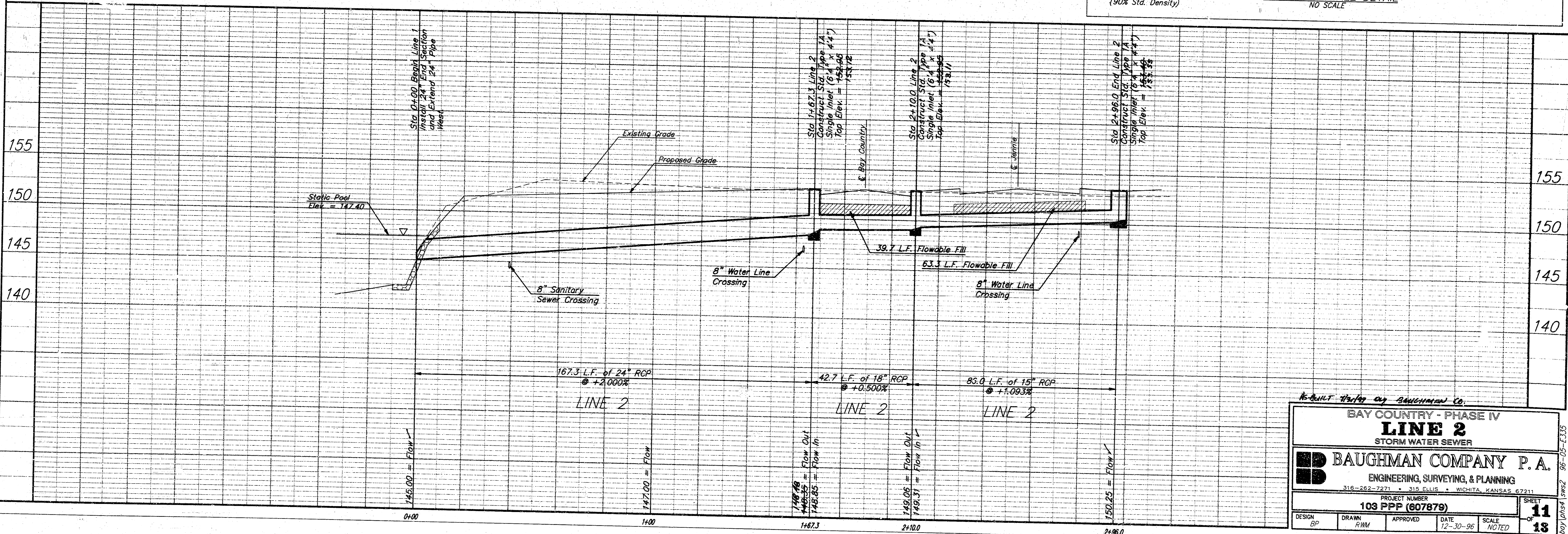
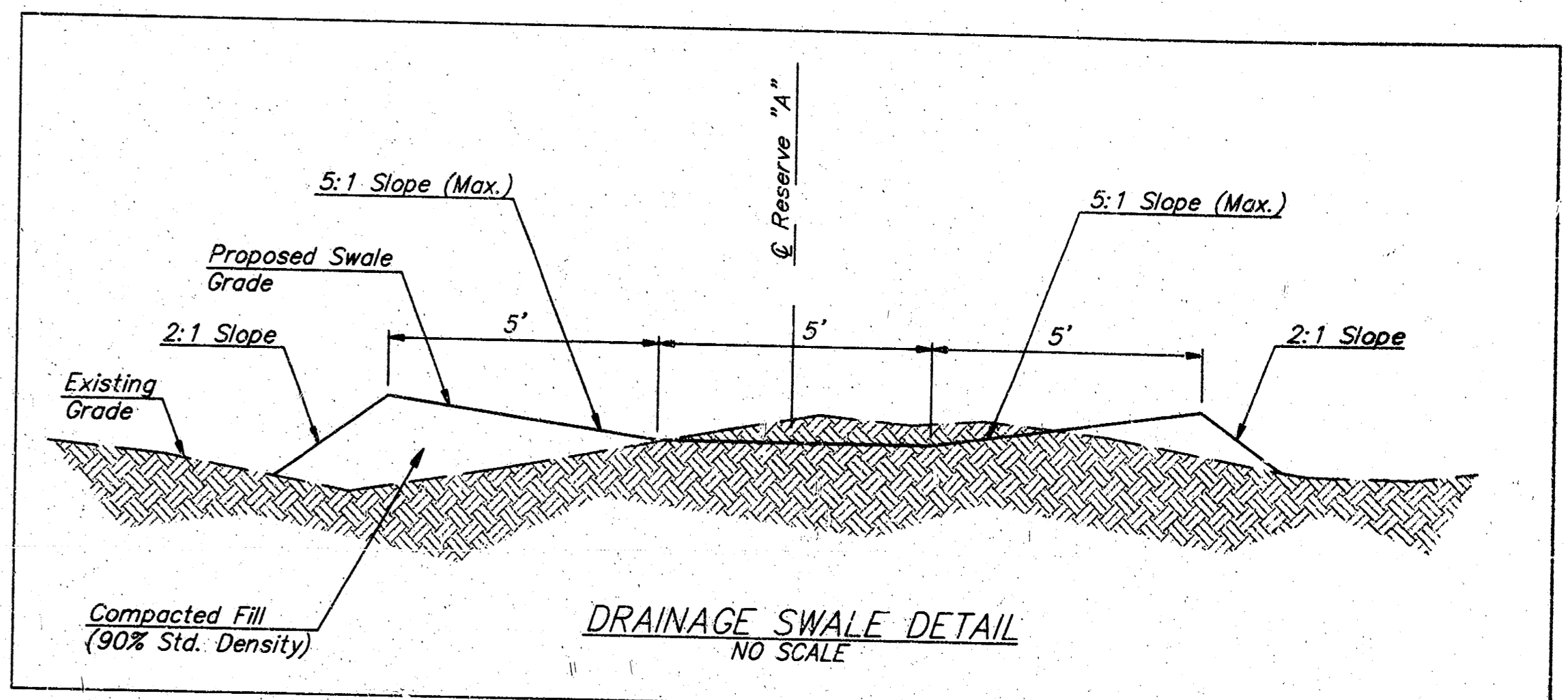
Benchmarks:

Railroad Spike in High Line Pole Located at the Northeast Corner of Lot 30, Block 1, Bay Country.
Elevation = 54.44 (City Datum)

"□" Cut in Top of Curb Located at the Northwest Corner of Lot 45, Block 1, Bay Country.
Elevation = 153.87 (City Datum)



Scale:
1" = 20' Horizontal
1" = 5' Vertical
• = Iron



Built Under an Agreement to

BAY COUNTRY - PHASE IV

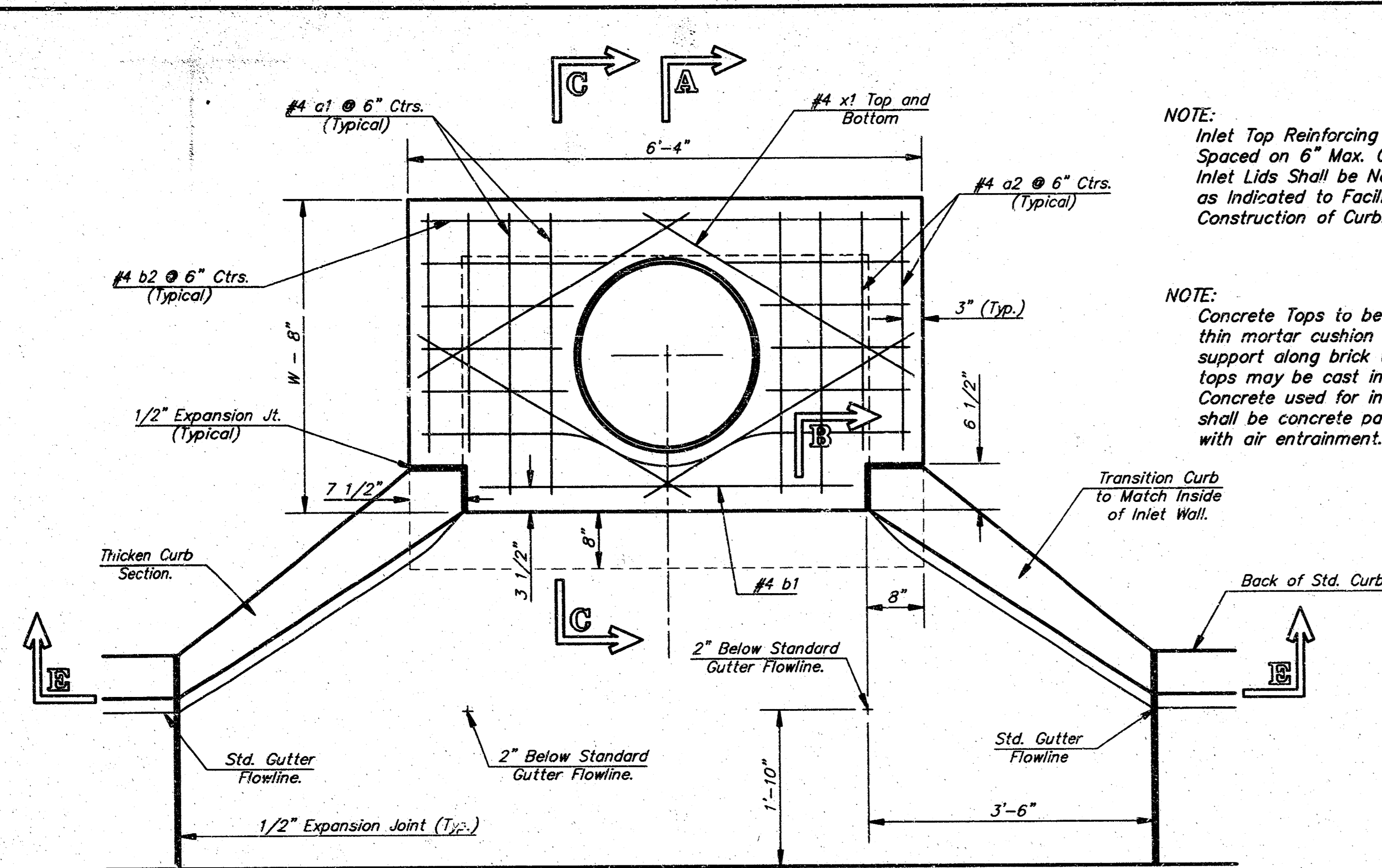
LINE 2
STORM WATER SEWER

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

PROJECT NUMBER
103 PPP (607879)

DESIGN: BP
DRAWN: RMM
APPROVED: [Signature]
DATE: 12-30-96
SCALE: NOTED

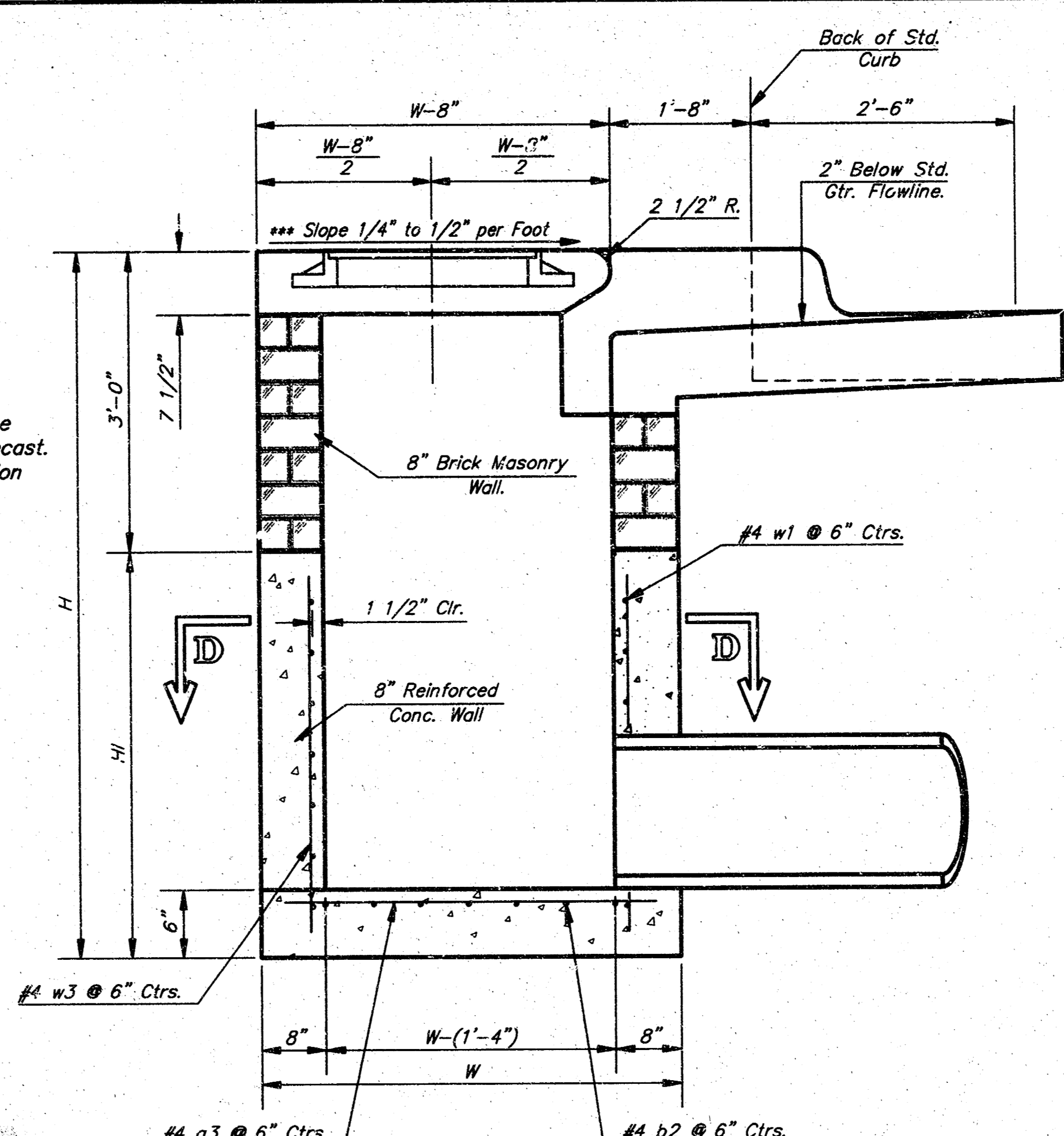
SHEET
OF
11
OF
18



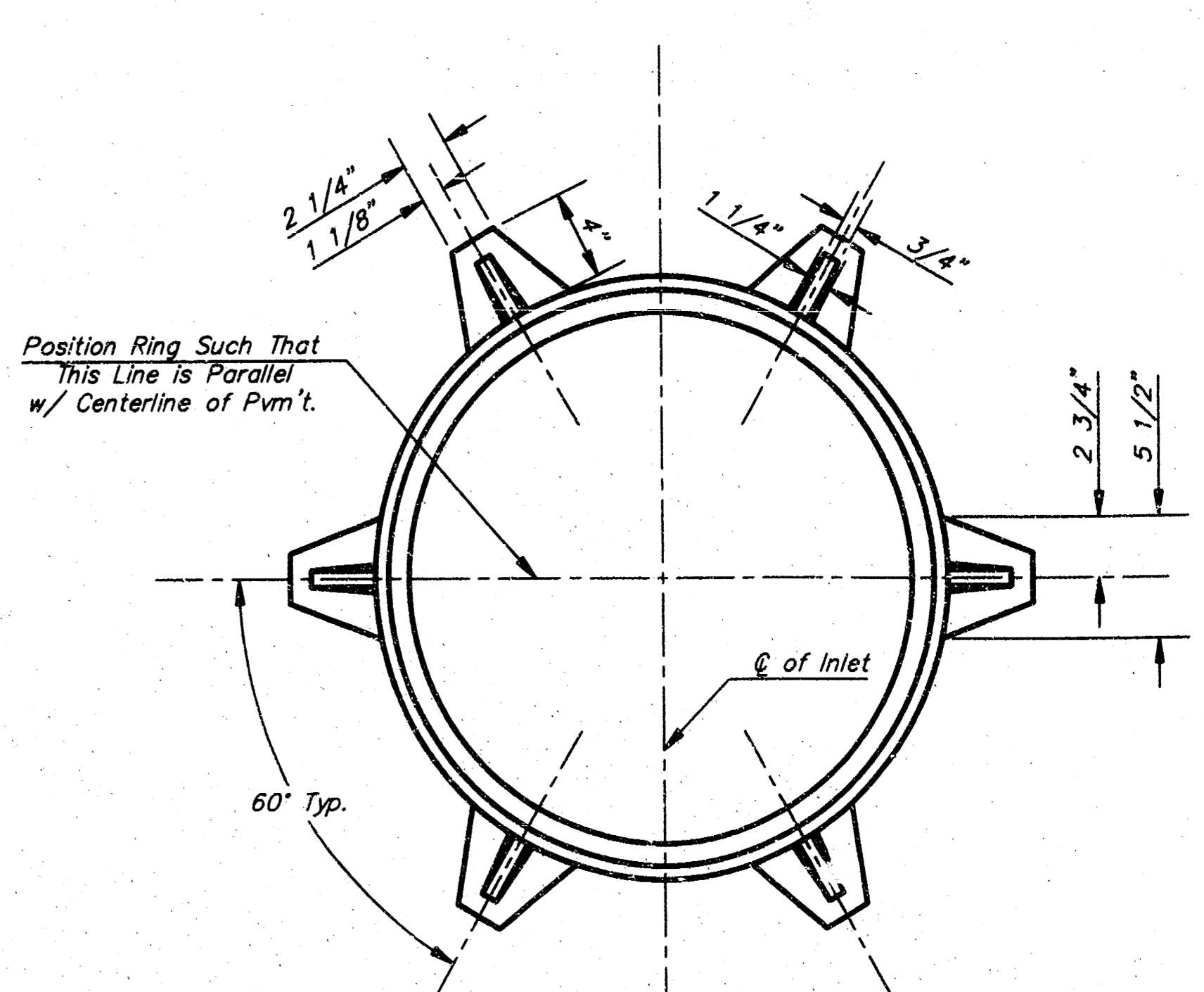
NOTE: Expansion Joint Only in Curb Area With Concrete Pavement.

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

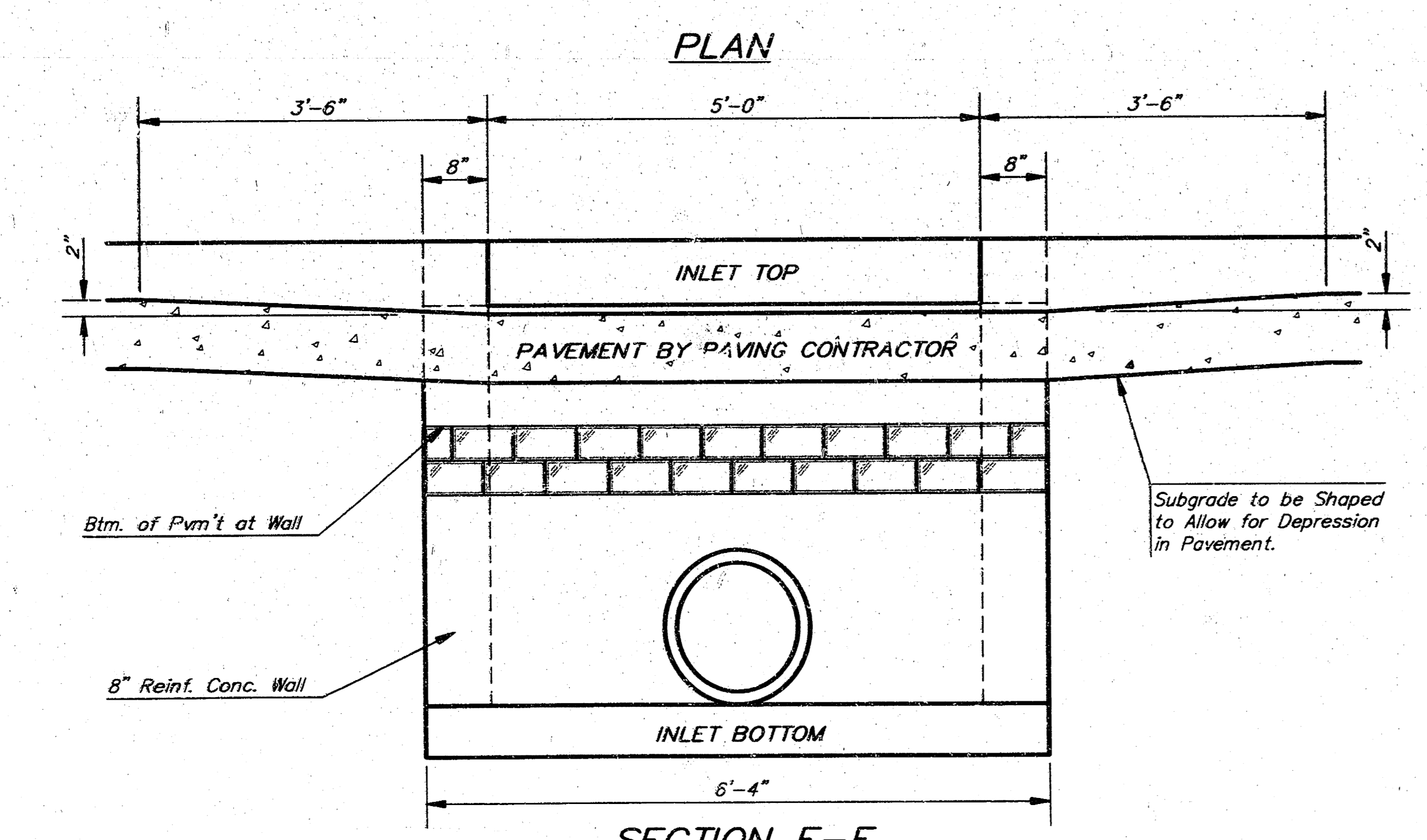
NOTE: Concrete Tops to be installed on thin mortar cushion to insure full support along brick walls. Concrete tops may be cast in place or precast. Concrete used for inlet construction shall be concrete pavement mix with air entrainment.



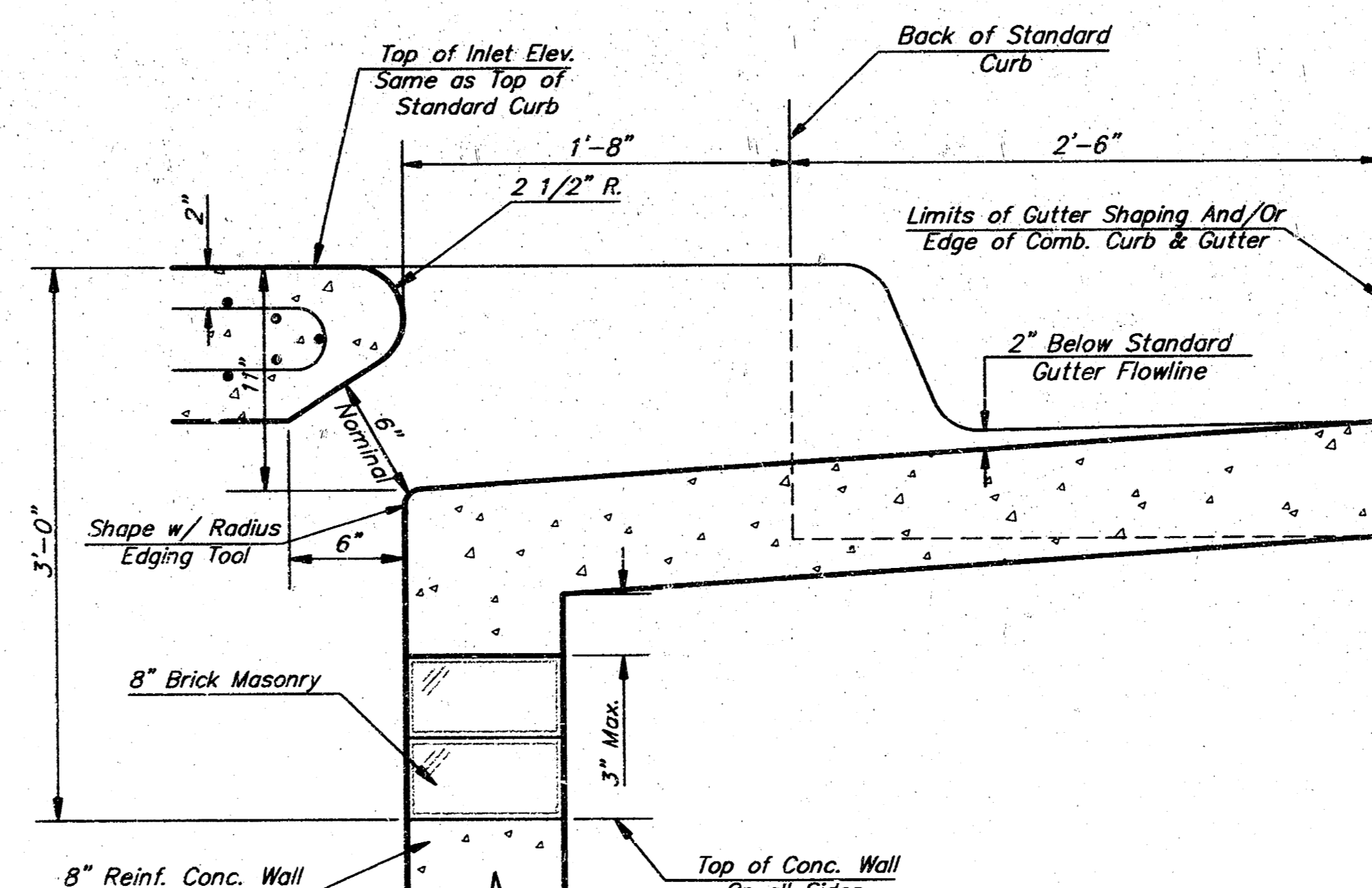
SECTION A-A
 ***NOTE: Slope of inlet tops to match Sidewalk or Parking Slopes within Limits Indicated.



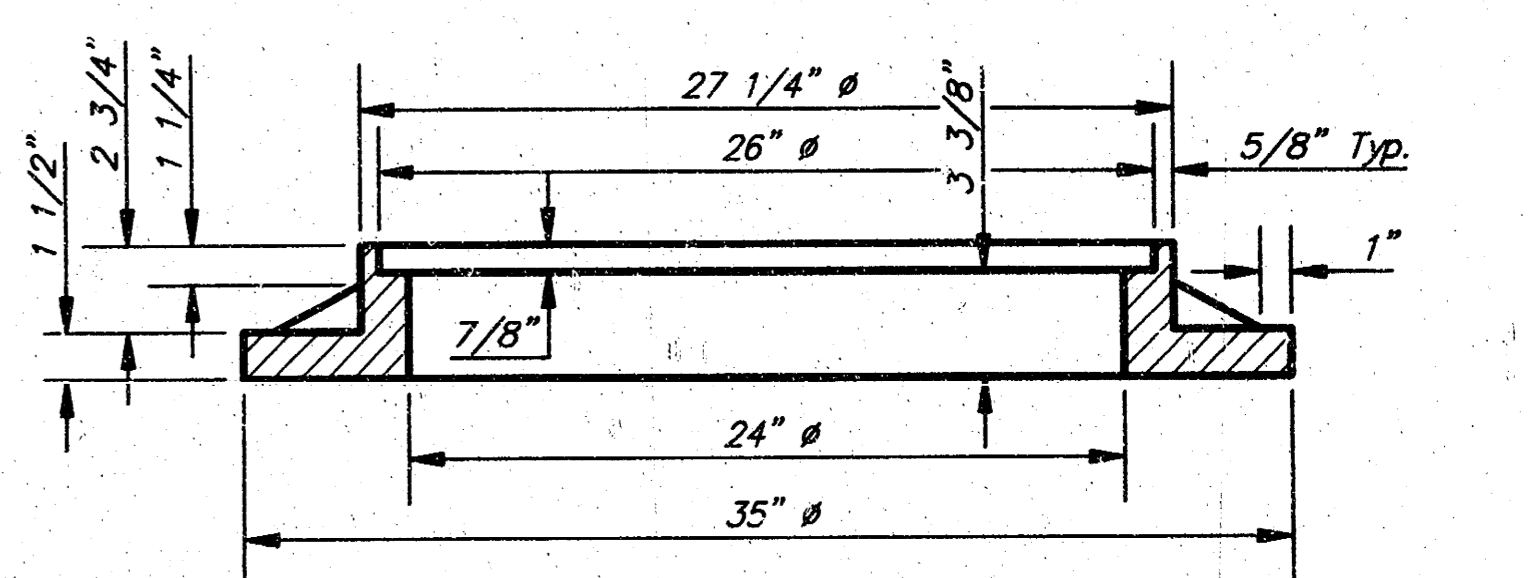
MANHOLE RING AND COVER
 Weight = 180 Lbs.
 *See City of Wichita Standard Manhole Ring and Cover Detail Sheet for Cover Details to Be Used With Inlet Frame.



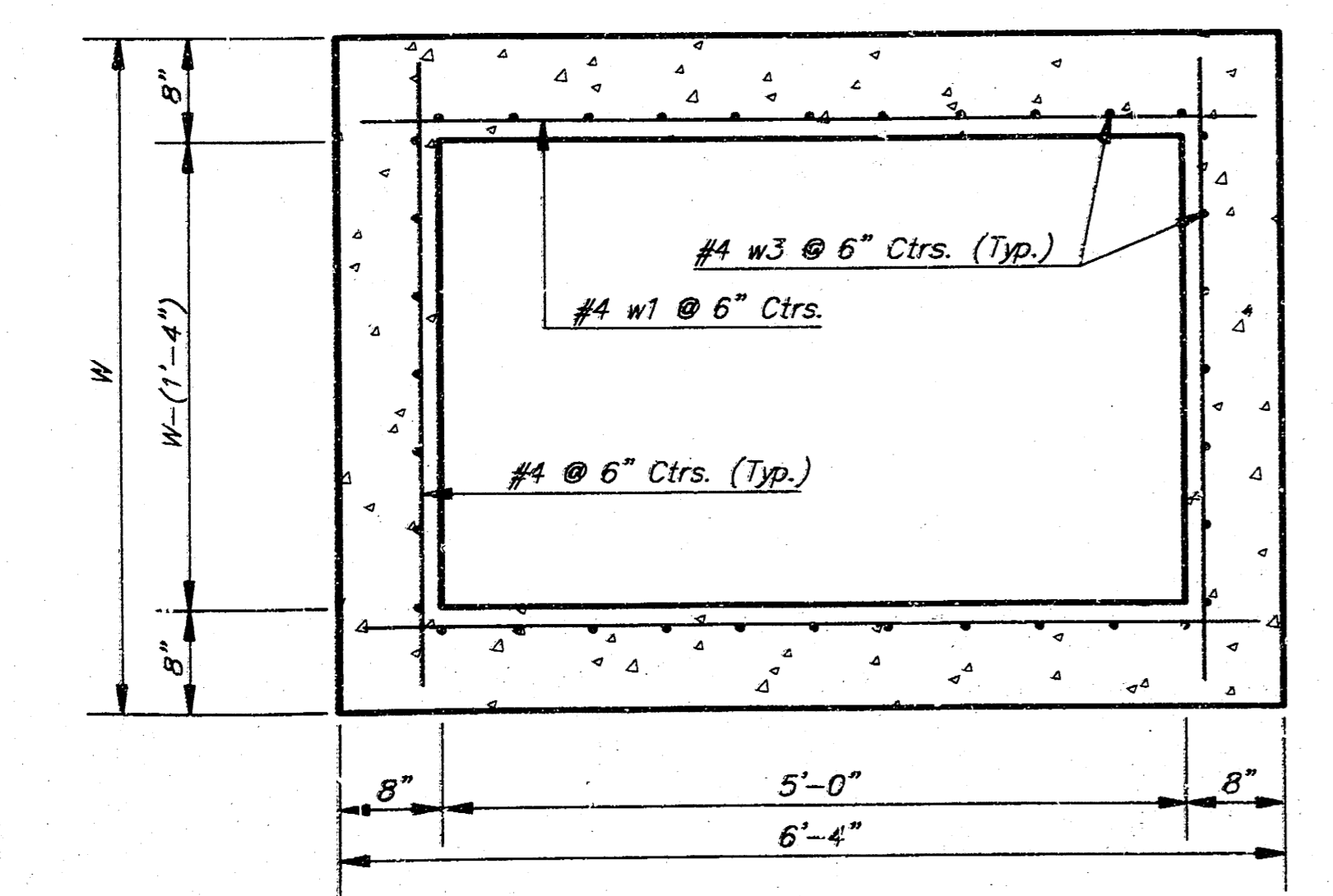
SECTION E-E



SECTION B-B



SECTION A-A



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.

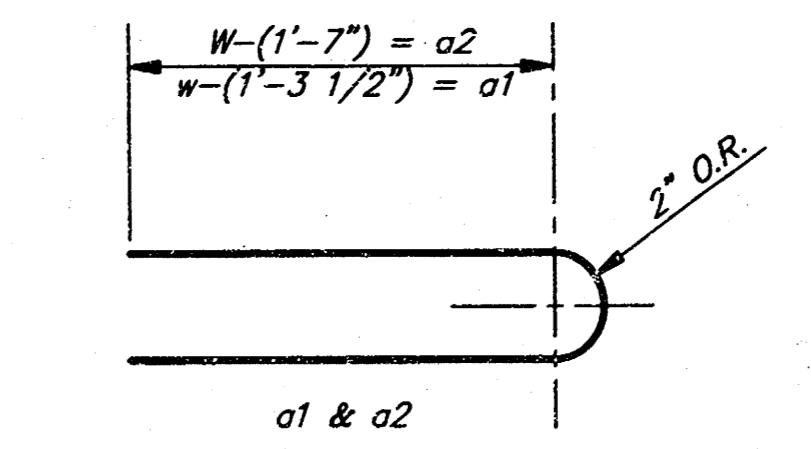
Inlet invert shall be shaped with 8 sack sand mix concrete to create flow channels and to increase hydraulic efficiency such that the inlet will be self-cleaning between all inlet and/or outlet pipes.

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

PRECAST SLAB AND FLOOR REINFORCING											
		W = 4'-4"		W = 5'-4"		W = 6'-4"		W = 7'-4"		W = 8'-4"	
MARK	SIZE	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH
a1	#4	6	6'-7"	6	8'-7"	6	10'-7"	6	12'-7"	6	14'-7"
a2	#4	4	6'-0"	4	8'-0"	4	10'-0"	4	12'-0"	4	14'-0"
a3	#4	13	4'-1"	13	5'-1"	13	6'-1"	13	7'-1"	13	8'-1"
b1	#4	1	4'-9"	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"	47	6'-1"
x1	#4	8	3'-10"	8	4'-2"	8	4'-6"	8	4'-10"	8	5'-2"

WALL REINFORCING											
		W = 4'-4"		W = 5'-4"		W = 6'-4"		W = 7'-4"		W = 8'-4"	
MARK	SIZE	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH
w1	#4	0	6'-1"	0	6'-1"	0	6'-1"	0	6'-1"	0	6'-1"
w2	#4	0	4'-1"	0	5'-1"	0	6'-1"	0	7'-1"	0	8'-1"
w3	#4	32	0	36	0	40	0	44	0	48	0

* 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	0.38±
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±

Revised - Feb. 16, 1989

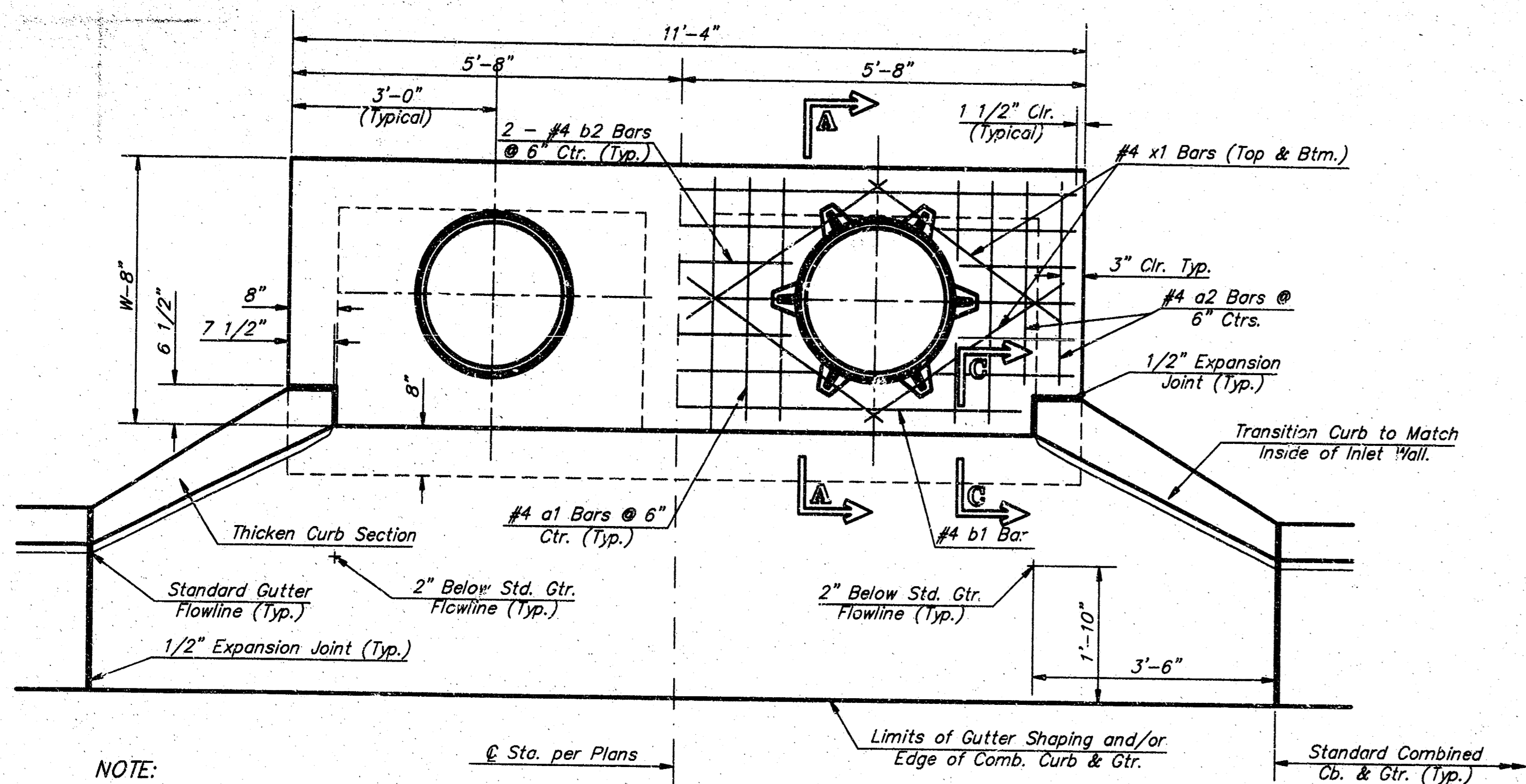
CITY OF WICHITA STANDARD TYPE 1A
Curb Inlet Details
 INLET OF ENING = 6" x 5'-0"

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

PROJECT NUMBER
103 PPP (607879)

DESIGN: C.O.W. DRAWN: Staff APPROVED: DATE: SCALE: None

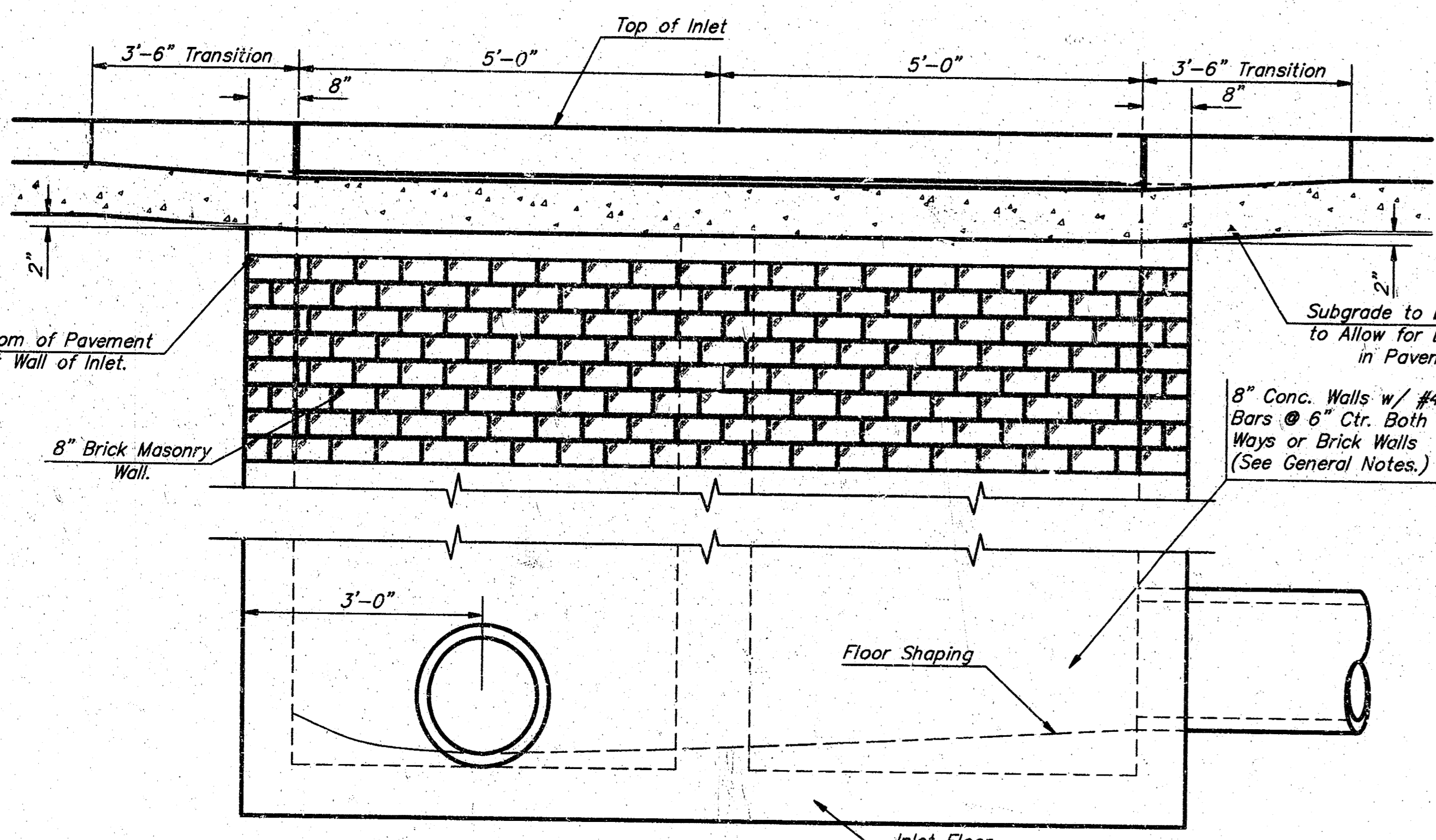
SHEET
 OF
13



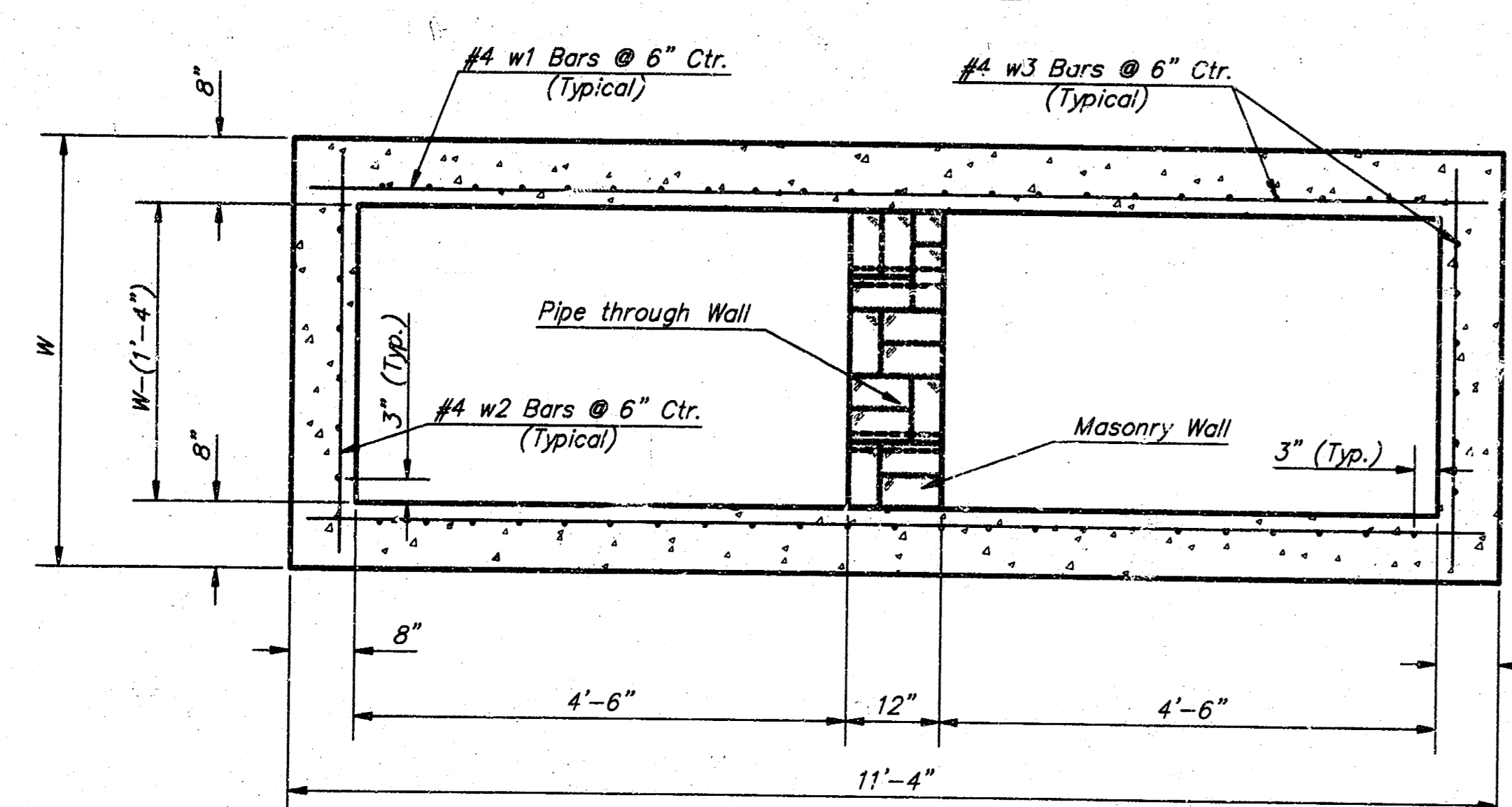
NOTE:
Expansion Joint Only in Curb Area with Concrete Pavement.

PLAN

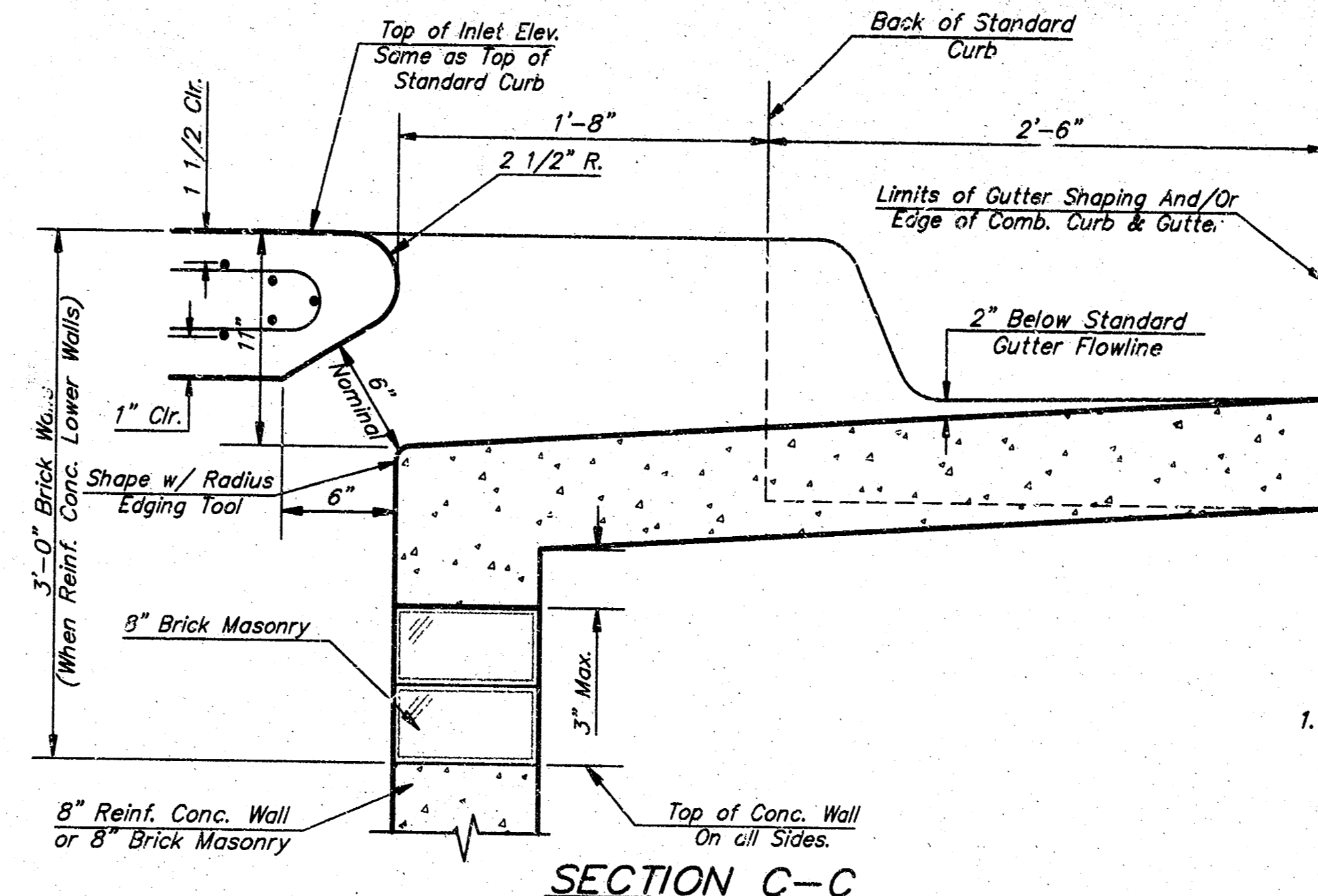
*Left Side Shown Without Slab Reinforcing.
Right Side Shown With Slab Reinforcing



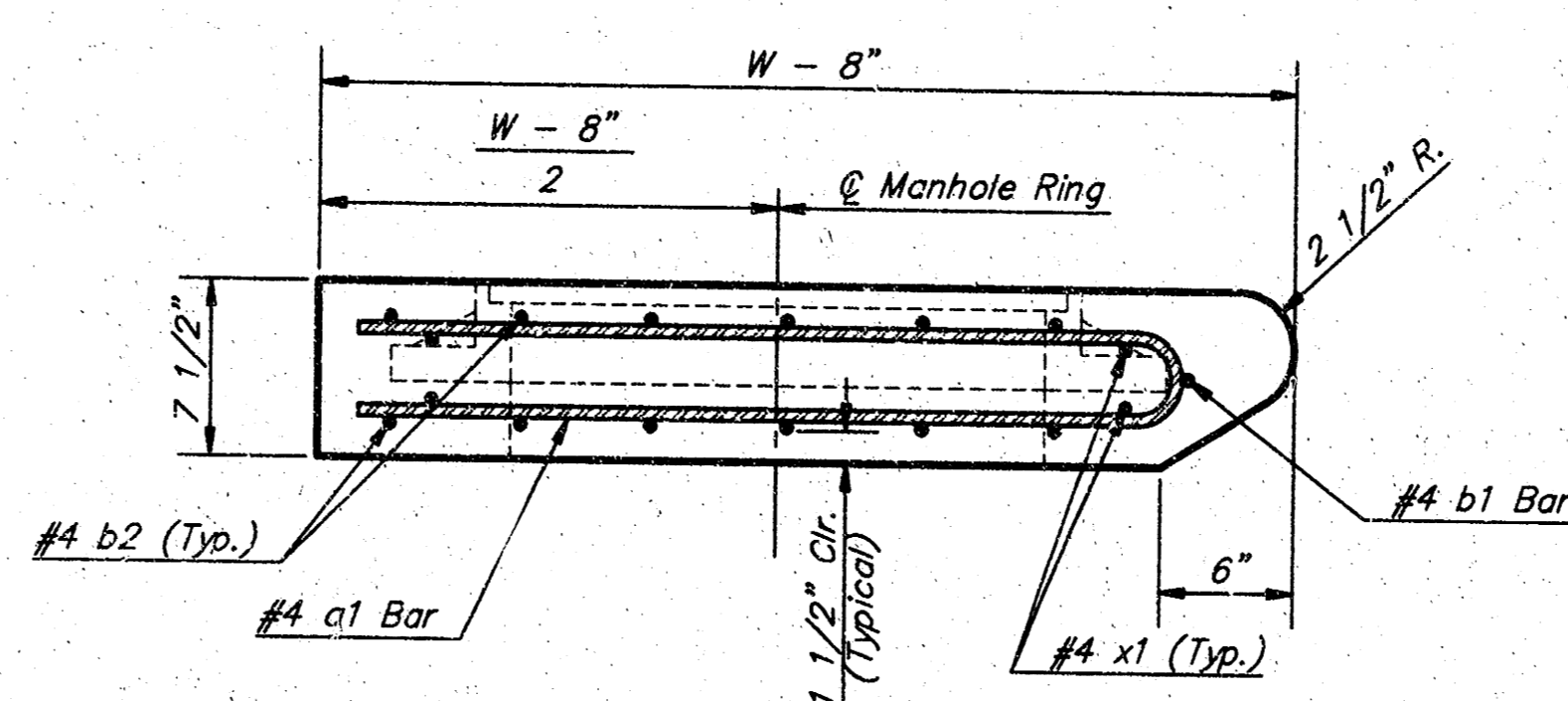
ELEVATION



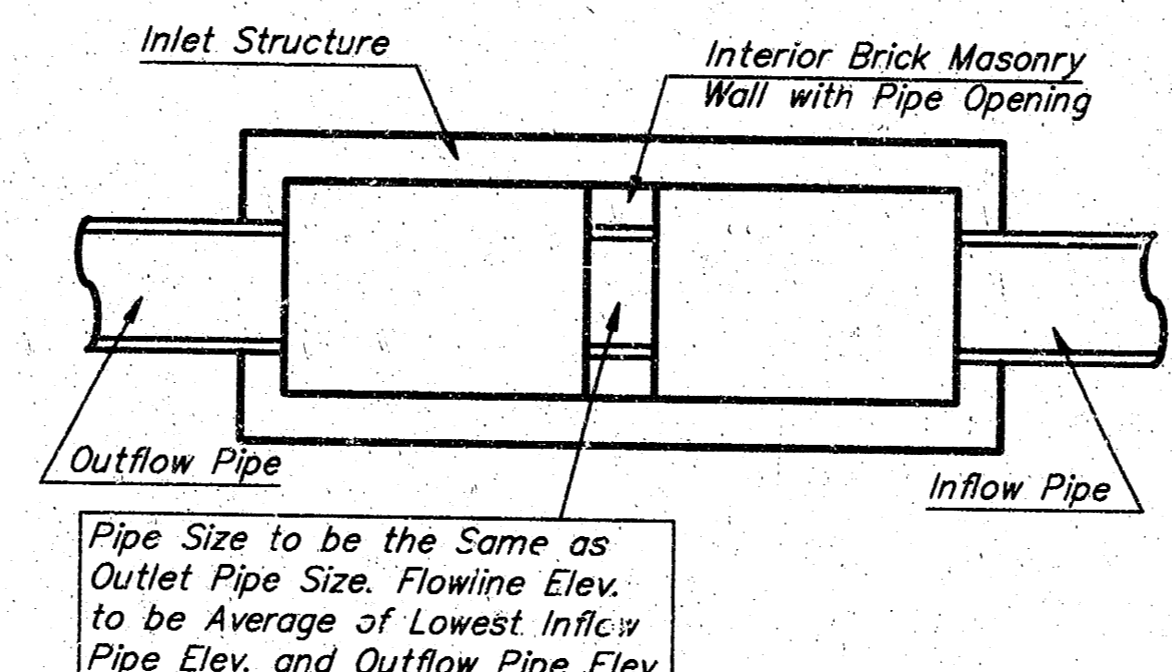
SECTION B-B



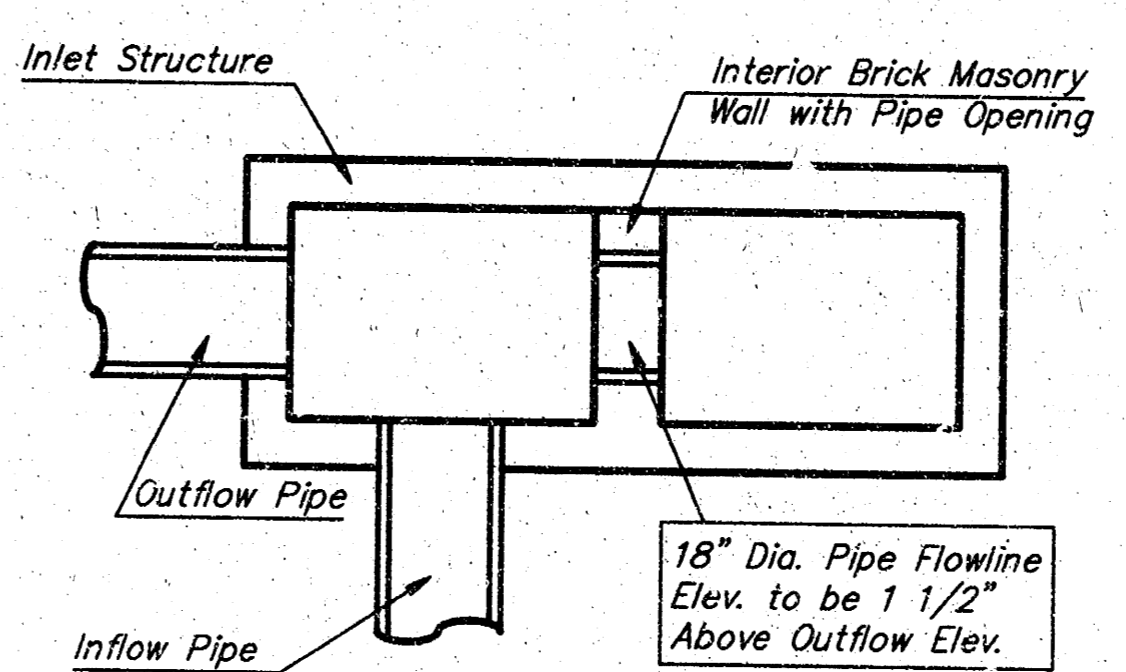
SECTION C-C



SECTION A-A

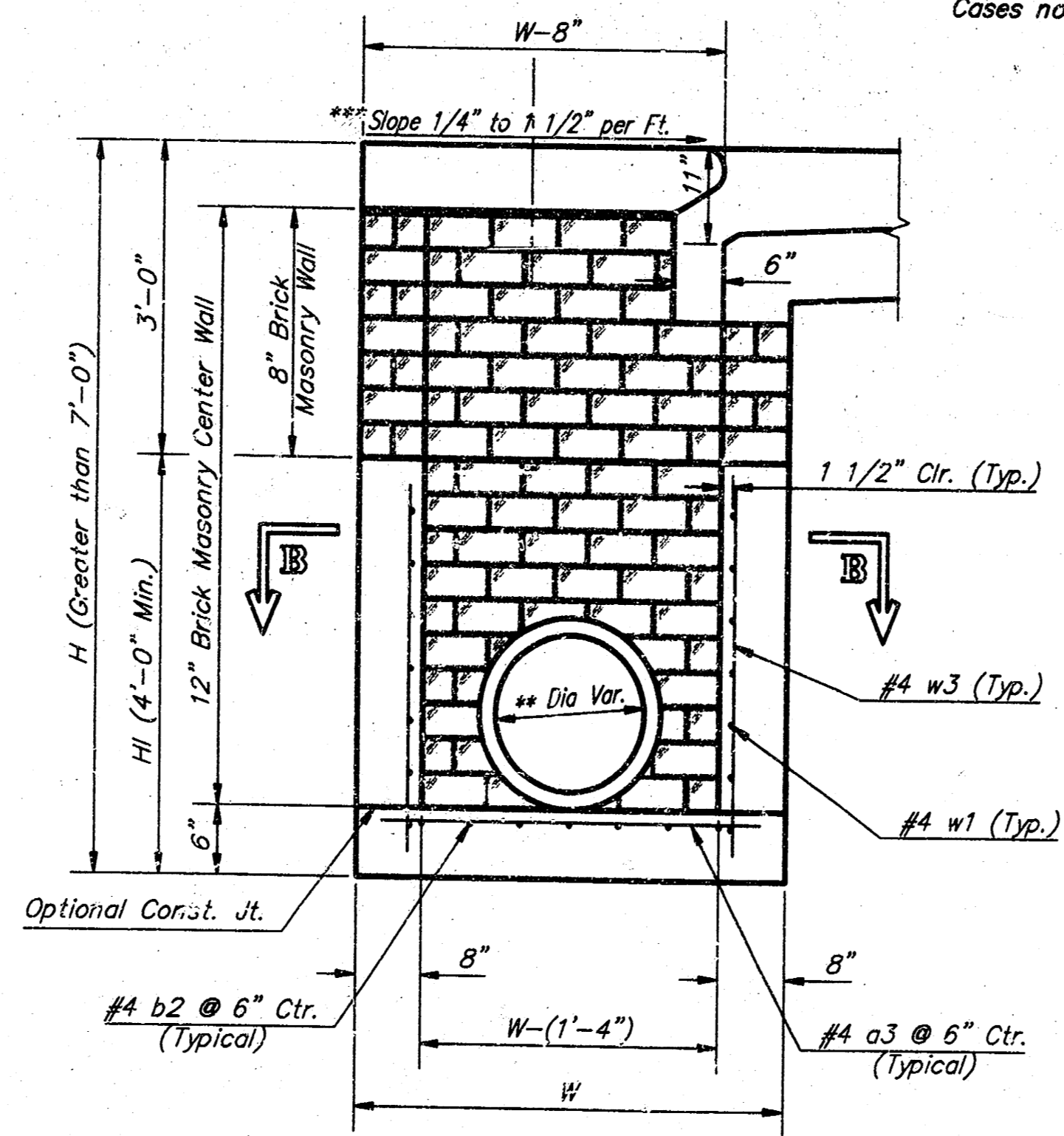


CASE I

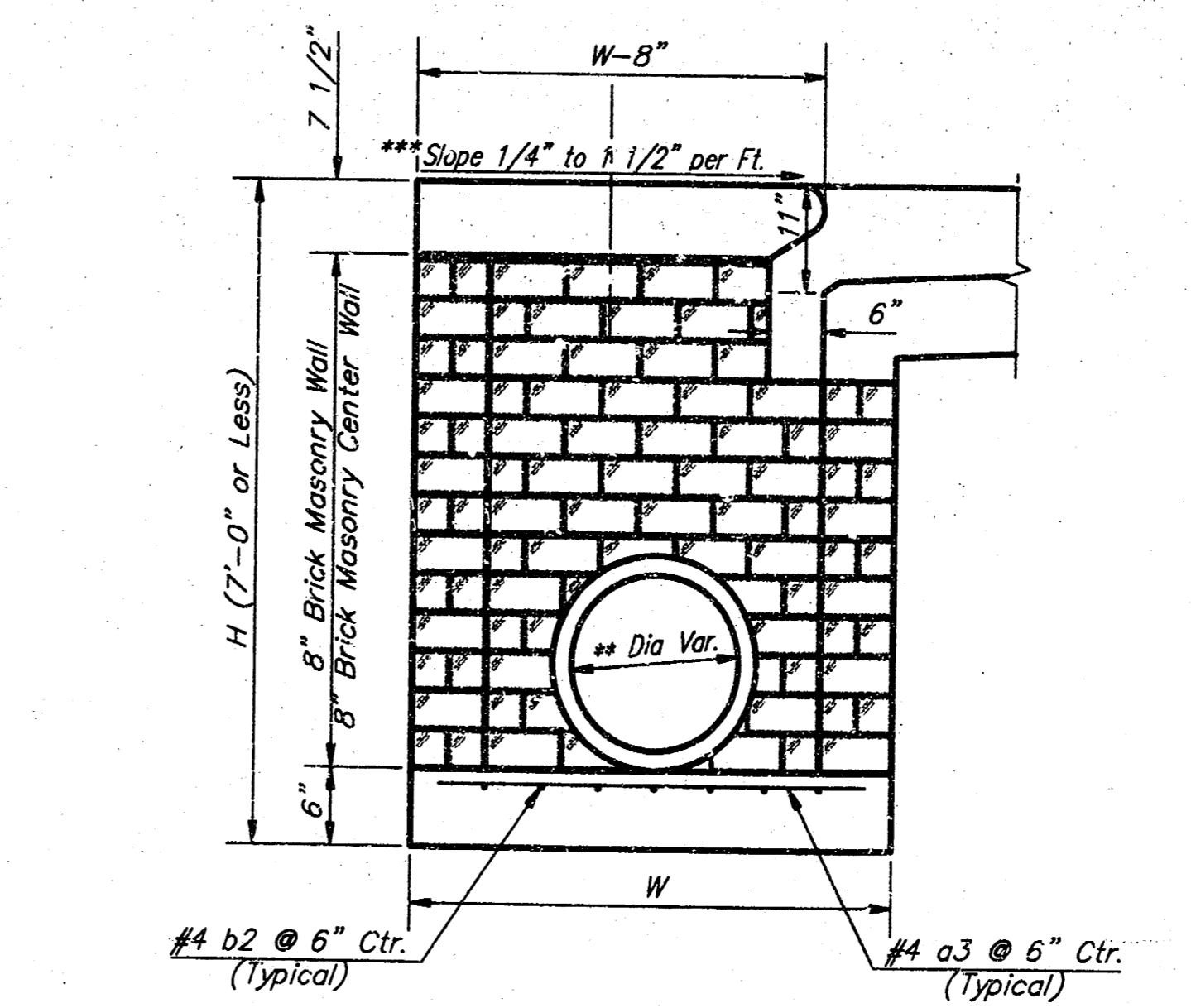


CASE II

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 of parking slopes within limits indicated

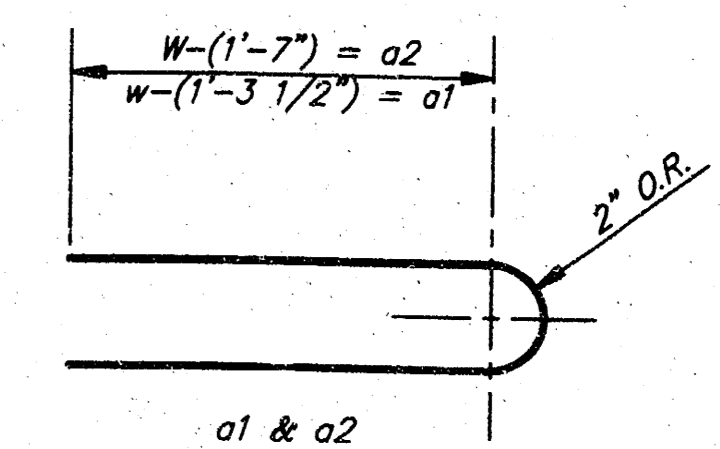
PRECAST SLAB AND FLOOR REINFORCING											
MARK	SIZE	W = 4'-4"		W = 5'-4"		W = 6'-4"		W = 7'-4"		W = 8'-4"	
		NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH
a1	#4	13	8'-7"	13	8'-7"	13	10'-7"	13	12'-7"	13	14'-7"
a2	#4	4	8'-0"	4	8'-0"	4	10'-0"	4	12'-0"	4	14'-0"
a3	#4	23	4'-1"	23	5'-1"	23	6'-1"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

WALL REINFORCING											
MARK	SIZE	W = 4'-4"		W = 5'-4"		W = 6'-4"		W = 7'-4"		W = 8'-4"	
		NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH
w1	#4	1	11'-1"	1	11'-1"	1	11'-1"	1	11'-1"	1	11'-1"
w2	#4	1	4'-1"	1	5'-1"	1	6'-1"	1	7'-1"	1	8'-1"
w3	#4	52	2	56	2	60	2	64	2	68	2

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

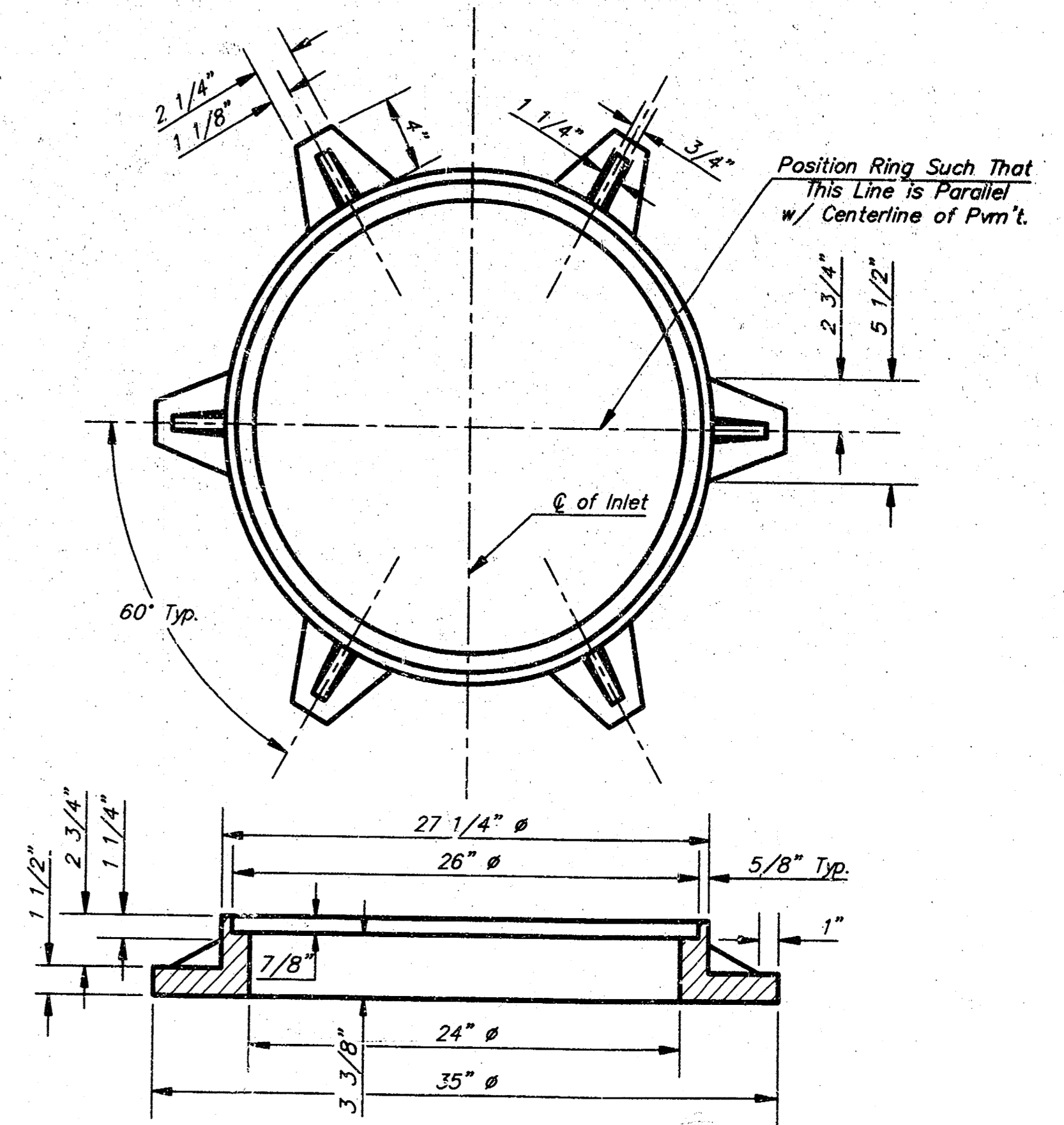
GENERAL NOTES:

- 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	0.83±	
5'-4"	4'-8" 11'-4" 7 1/2"	24" & 30"	1.09±	
6'-4"	5'-8" 11'-4" 7 1/2"	36" & 42"	1.35±	
7'-4"	6'-9" 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.

Revised - Feb. 16, 1989

CITY OF WICHITA STANDARD TYPE 1A
Curb Inlet Details
INLET OPENING = 8" x 10'-0"

BAUGHMAN COMPANY P. A.
ENGINEERING, SURVEYING, & PLANNING
318-252-7221 • 318 ELLIS • WICHITA, KANSAS 67211

PROJECT NUMBER: **103 PPP (607879)**

DESIGN	DRAWN	APPROVED	DATE	SCALE
C.O.W.	Staff			None

SHEET **13** OF **13**