

Storm Water Drain # 103
TO SERVE
WILDERNESS AT THE PARK ADDITION

Project No.
468 76 245 82354 000 000 001
Index Code:
750562

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
K.P.L. Gas Service Company 263-2061
Kansas Gas & Electric Company 263-7511
Arkla Gas Company 264-1141
or
Southwestern Bell Telephone Company 942-8350
City of Wichita Water Department 263-5161
City of Wichita Sewer Maintenance 1-571-2511
268-4908
268-4071
- Earthwork totals for this project are based on excavation and grading on this project are based on information as of July, 1993.
- All excavation from this project shall remain of this site. Excess excavation shall be stored at locations to be determined by the developer. Contact Alex Soerries at 721-0434 for the location of placement of excess excavation.
- 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.
- Rubble from the removal of miscellaneous structures, including trees, stumps, shrubs and brush 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.
- 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 law.
- All disturbed areas shall be seeded with Rebel Fescue at a rate of 12 pounds per 1,000 square feet, and mulched at the standard rate.

CITY OF WICHITA, KANSAS
Michael E. Lindebak City Engineer

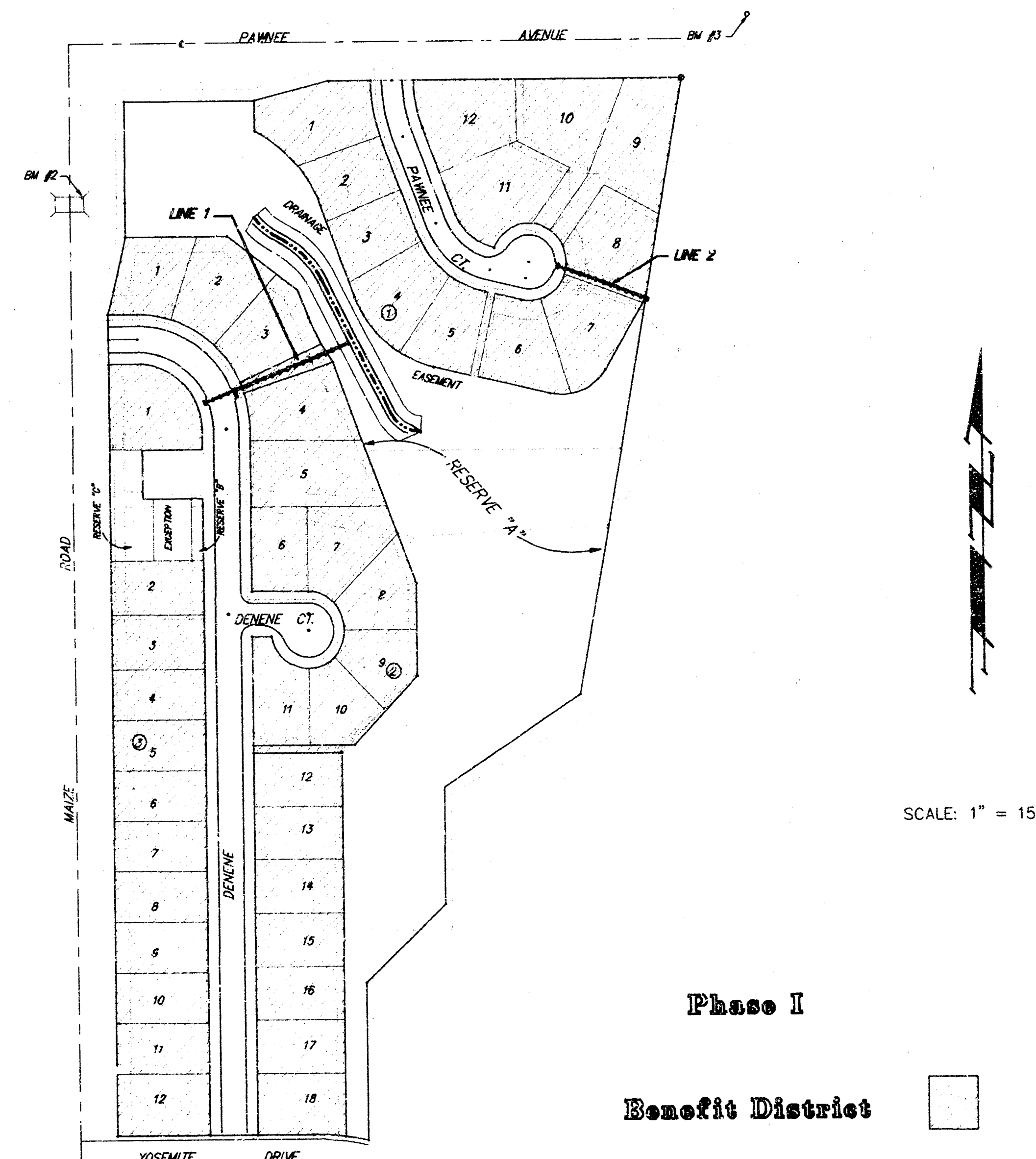
July, 1994

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Plan/Profile - Lines 1 & 2	3
Channel Details	4
Inlet Details	5,6
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Benchmarks:

- #1 City Standard Disk 42.3' South of Pawnee Rd. Centerline and 49.5' West of Maize Rd. Centerline
Elev. = 135.10 City Datum
- #2 "X" on NE Cor. of Conc Box Culvert 198' South of Pawnee Rd. Centerline and 19' East of Maize Rd. Centerline
Elev. = 134.53 City Datum
- #3 Railroad Spike in SE side of Power Pole 64'± West of centerline of driveway (House #10106) & 31' North of Pawnee Rd. centerline.
Elev. = 129.29 City Datum



Project Area

Booked
12-9-94
NCG
D-242



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

BENCHMARKS:

#1 City Standard Disk 42.3' South of Pawnee Rd. Centerline and 49.5' West of Maize Rd. Centerline Elev. = 135.12 City Datum

#2 "C" on NE Cor of Conc Box Culvert 198' South of Pawnee Rd. Centerline and 19' East of Maize Rd. Centerline Elev. = 134.53 City Datum

#3 Railroad Spike in SE side of Power Pole 64'± West of centerline of driveway (House #10106) & 31' North of Pawnee Rd. centerline. Elev. = 129.29 City Datum

NOTE

Remove Trees only as necessary for Construction of Drainage Channel. Cost of Removal to be Incidental to Project Cost.

Sta. 0+00
Begin Re-Channelization
Excavation. Construct
12' Wide Channel w/ 4:1
Sideslopes. Grade Existg.
Ditch to Match Channel.

Sta 3+69.4
End Channelization
Grade Channel to
Match Existg. Ditch

Sta 1+55.2 Construct
Spillway. Install Approx.
51 S.Y. Concrete Bag
Rip-Rap as Indicated.
(See Rip-Rap Detail)

Curve #1

Curve Data Based on Centerline

Rad. = 50' Delta = 58° 14' 08" Tangent = 27.85'
Arc = 50.82' L.C. = 49.66' Def/Ft. = 34.37754 Min.

Station	Arc	FACE CHORD LENGTHS		Defl.	T. Defl.
		6 Lt.	6 Rt.		
0+00.00	-	-	-	0°00'00"	0°00'00"
0+25.00	25.00'	27.71'	21.77'	14°19'26"	14°19'26"
0+50.00	25.00'	27.71'	21.77'	14°19'26"	28°38'52"
0+50.82	0.82'	0.90'	0.70'	0°27'30"	29°06'23"

Curve #2

Curve Data Based on Centerline

Rad. = 131.87' Delta = 34° 16' 05" Tangent = 40.65'
Arc = 78.87' L.C. = 77.70' Def/Ft. = 13.03464 Min.

Station	Arc	FACE CHORD LENGTHS		Defl.	T. Defl.
		6 Lt.	6 Rt.		
2+47.30	-	-	-	0°00'00"	0°00'00"
2+50.00	2.70'	2.58'	2.82'	0°35'11"	0°35'11"
2+75.00	25.00'	23.83'	26.10'	5°25'52"	6°01'03"
3+00.00	25.00'	23.83'	26.10'	5°25'52"	11°26'55"
3+26.20	26.20'	24.37'	27.35'	5°41'30"	17°08'26"

Curve #1

Curve Data Based on Centerline

Rad. = 100' Delta = 24° 47' 01" Tangent = 21.37'
Arc = 43.26' L.C. = 42.92' Def/Ft. = 17.18697 Min.

Station	Arc	FACE CHORD LENGTHS		Defl.	T. Defl.
		6 Lt.	6 Rt.		
3+26.20	-	-	-	0°00'00"	0°00'00"
3+50.00	23.80'	25.23'	23.37'	6°49'03"	6°49'03"
3+69.46	19.46'	20.63'	18.29'	5°34'28"	12°23'31"

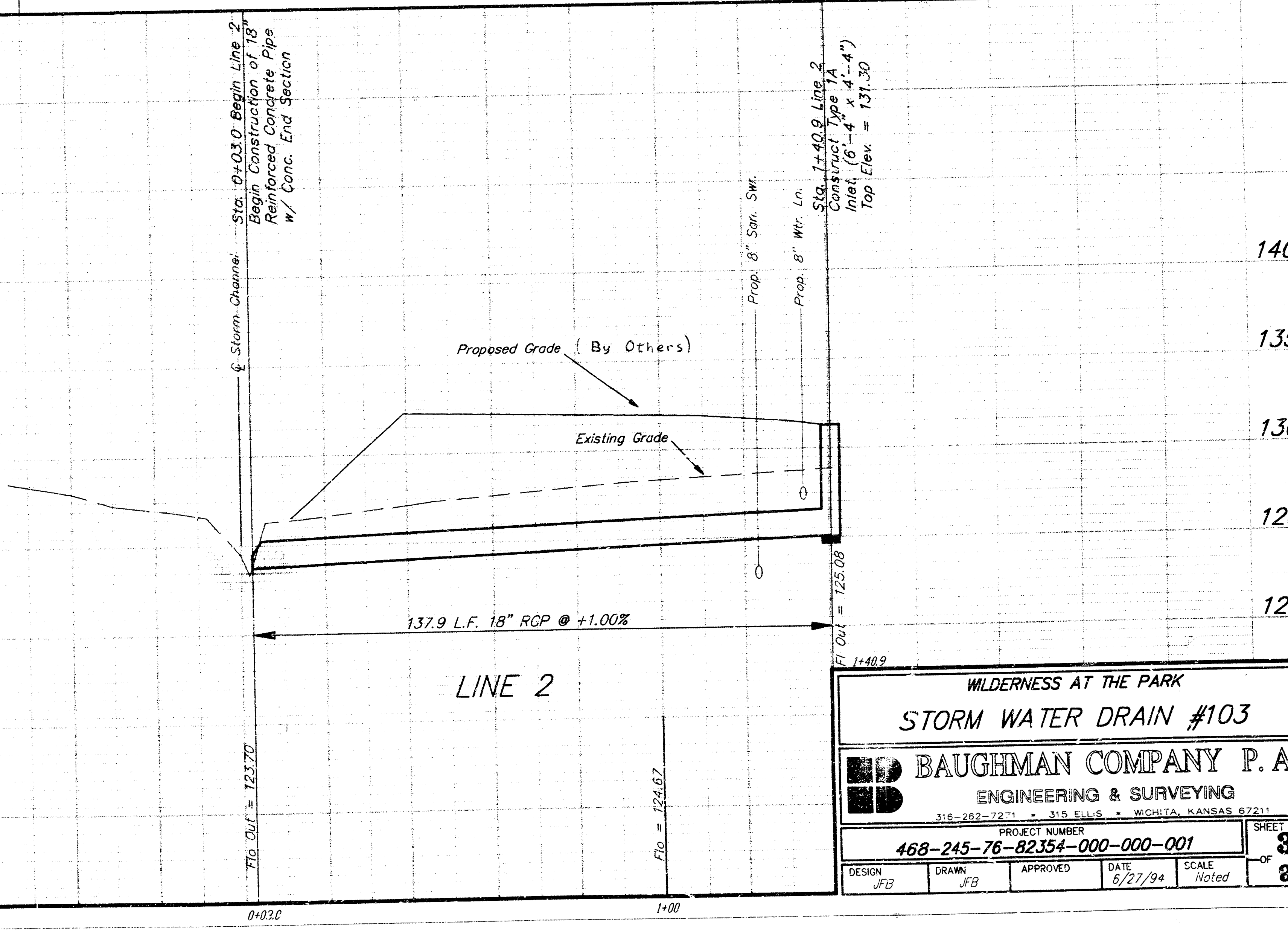
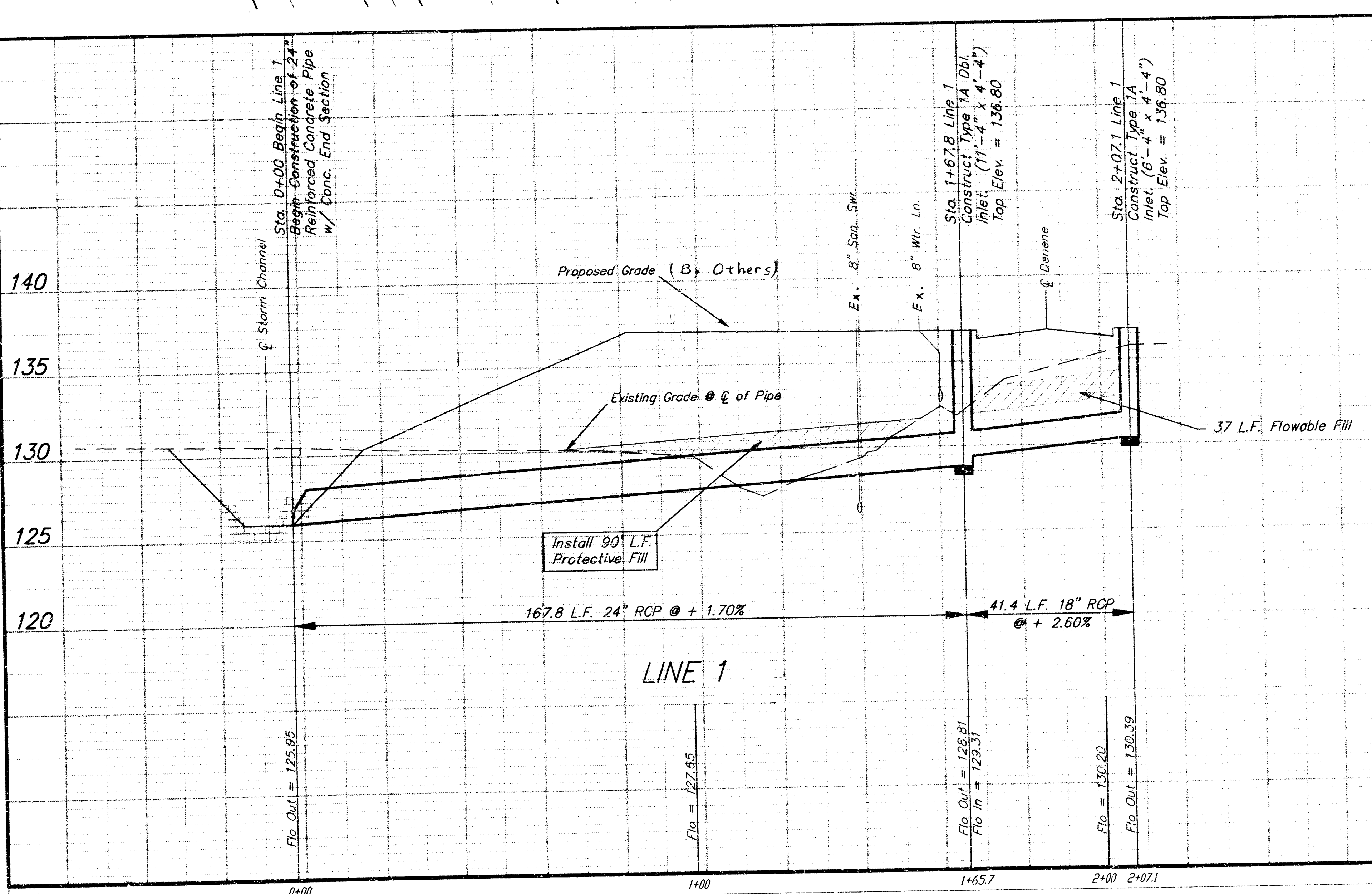
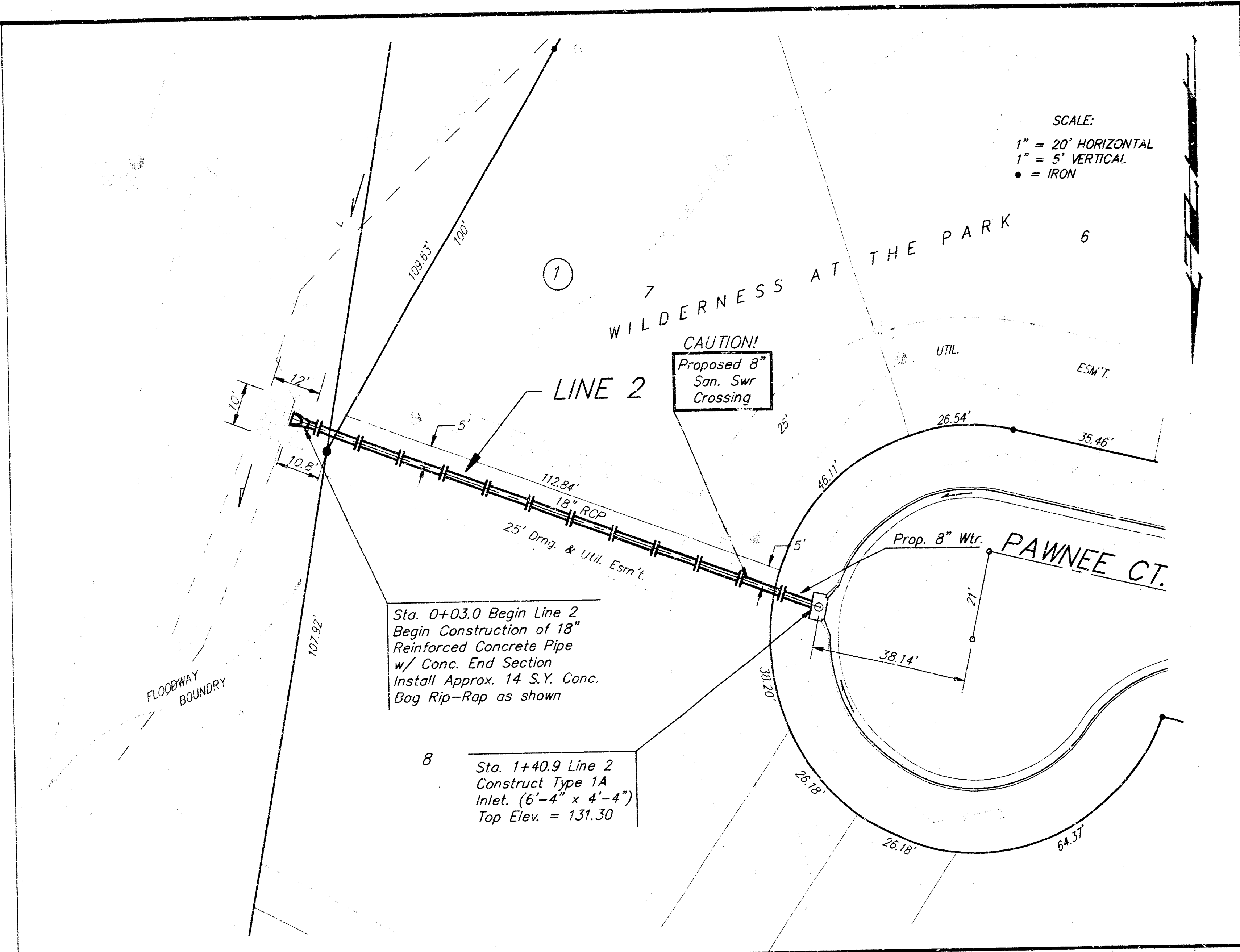
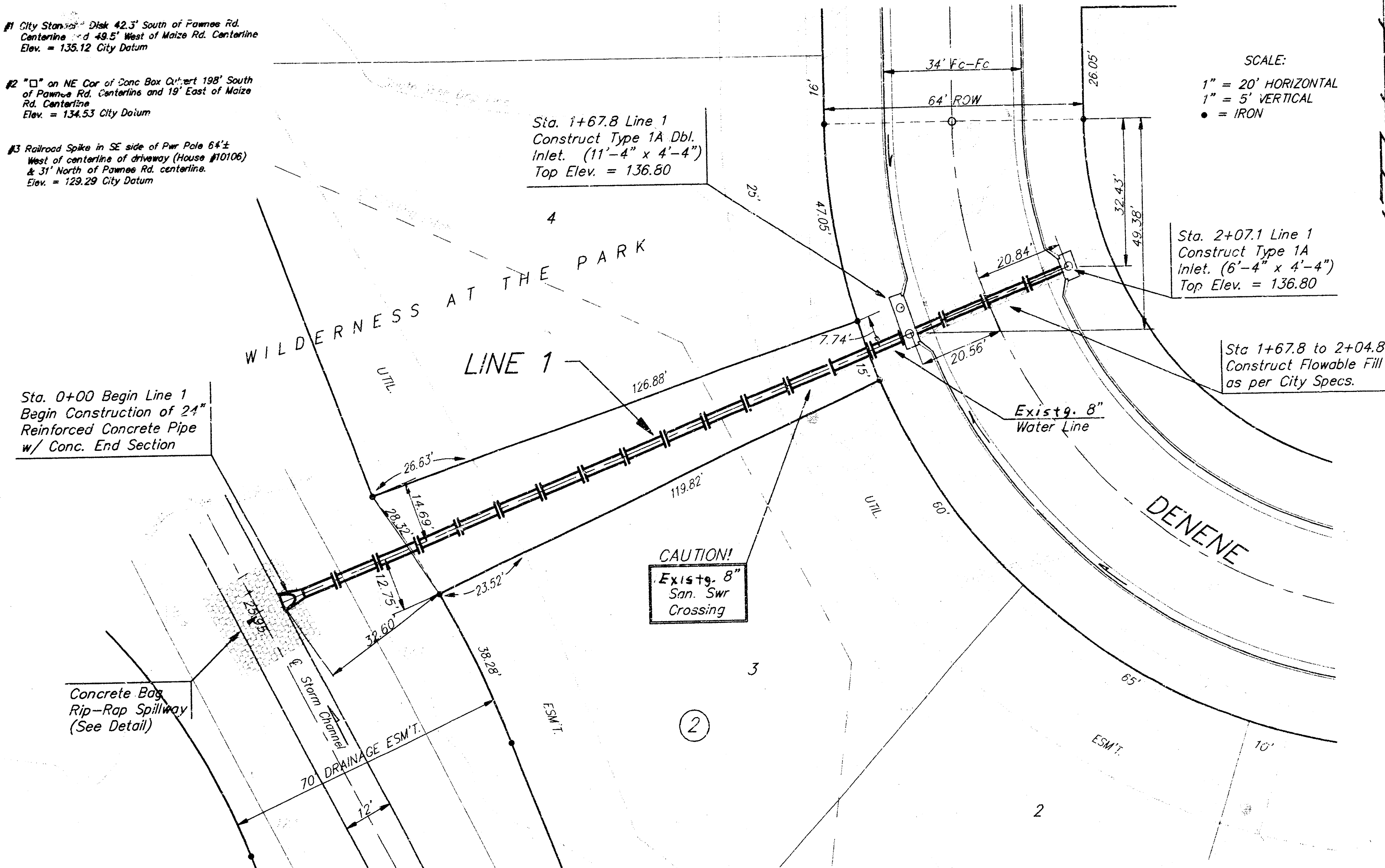
SCALE:

1" = 20'
● = IRON

WILDERNESS AT THE PARK			
STORM WATER DRAIN #103			
BAUGHMAN COMPANY P.A.			
ENGINEERING & SURVEYING			
316-252-7221 315 ELLIS - WICHITA, KANSAS 67211			
PROJECT NUMBER		SHEET	
488-245-78-82354-003-000-001		2	
DESIGN	DRAWN	APPROVED	DATE
FB	FB		7/7/94
SCALE		1" = 20'	
		OF 9	

BENCHMARKS:

- #1 City Station - Disk 42.3' South of Pawnee Rd. Centerline - 48.5' West of Moize Rd. Centerline. Elev. = 135.12 City Datum
- #2 "D" on NE Cor. of Zone Box Outlet 198' South of Pawnee Rd. Centerline and 19' East of Moize Rd. Centerline. Elev. = 134.53 City Datum
- #3 Railroad Spike in SE side of Paw. Pole 64 1/2' West of centerline of driveway (House #10106) & 31' North of Pawnee Rd. centerline. Elev. = 129.29 City Datum



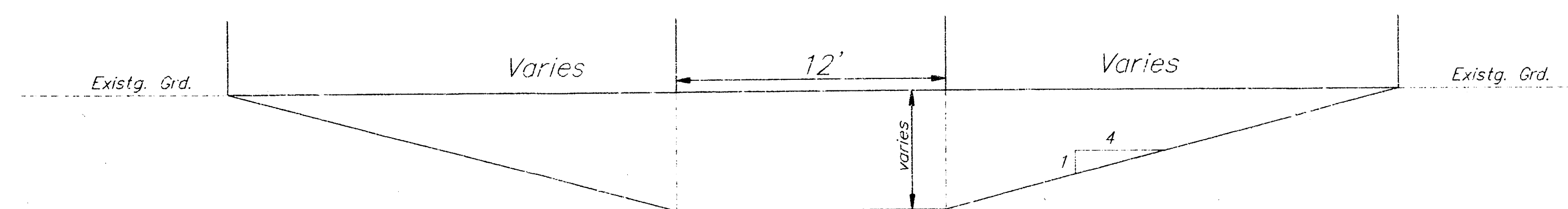
WILDERNESS AT THE PARK
STORM WATER DRAIN #103

BAUGHMAN COMPANY P.A.
ENGINEERING & SURVEYING

PROJECT NUMBER: 468-245-76-82334-000-000-001

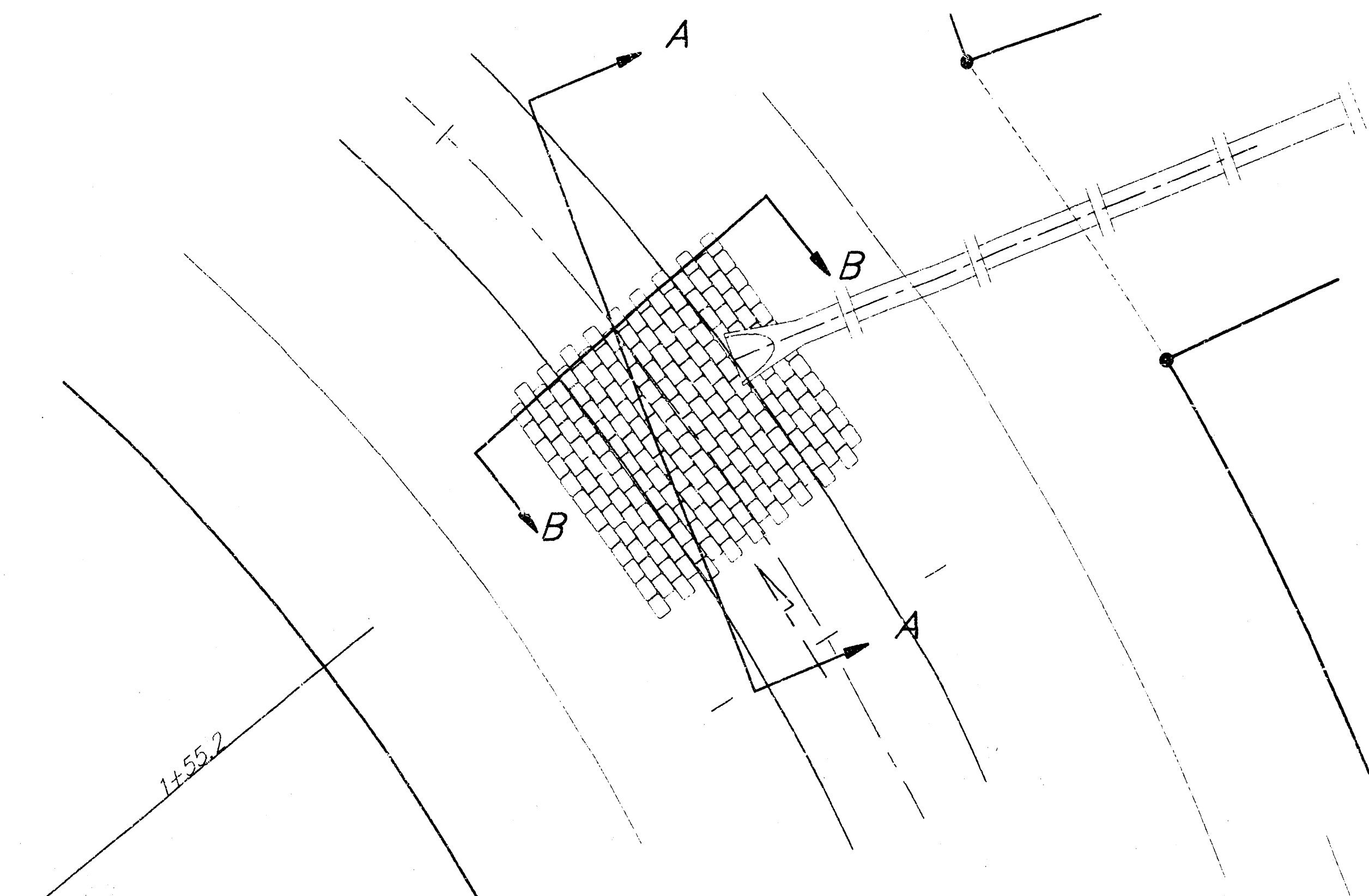
DATE: 6/27/94 SCALE: Noted

DESIGN: JFB DRAWN: JFB APPROVED: [Signature] SHEET: 3 OF 3

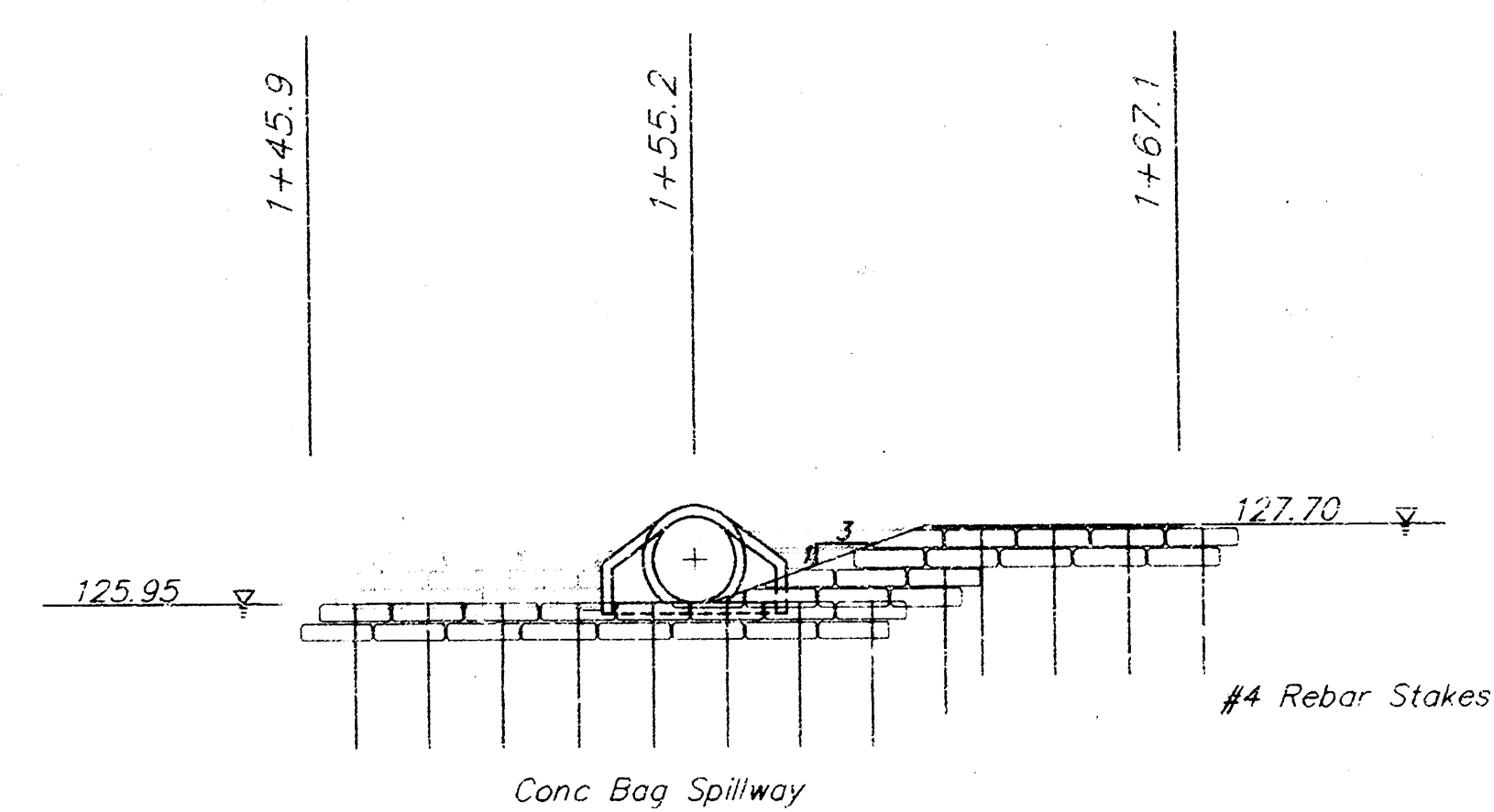


TYPICAL CHANNEL SECTION

Scale: 1" = 5'

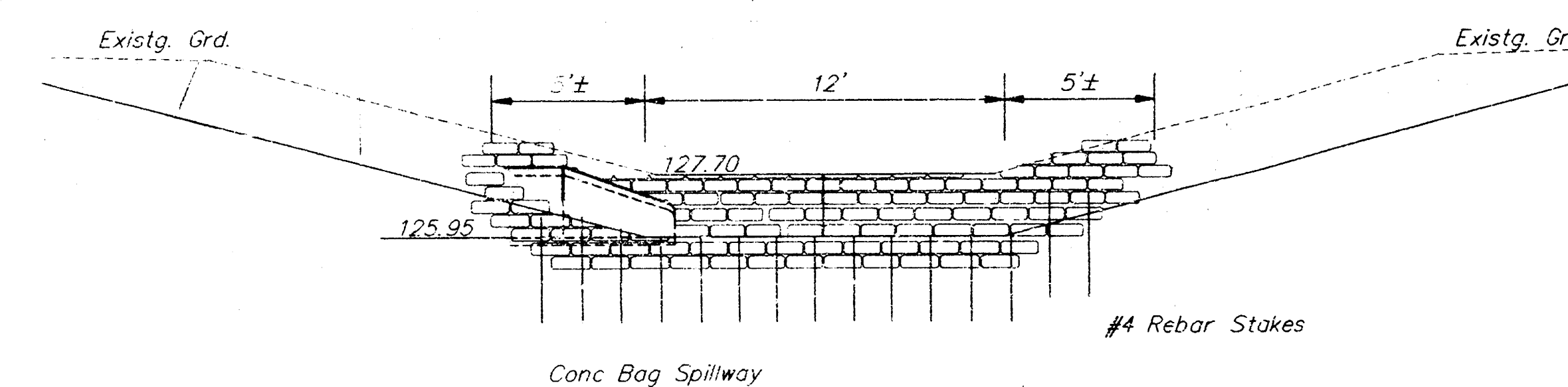


Scale: 1" = 10'



RIP-RAP DETAIL
(Sec. A-A)

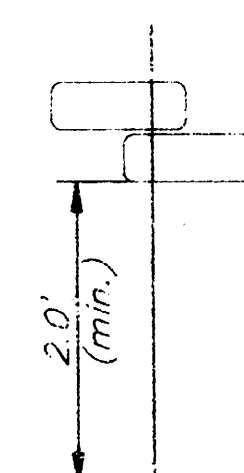
Scale: 1" = 5'



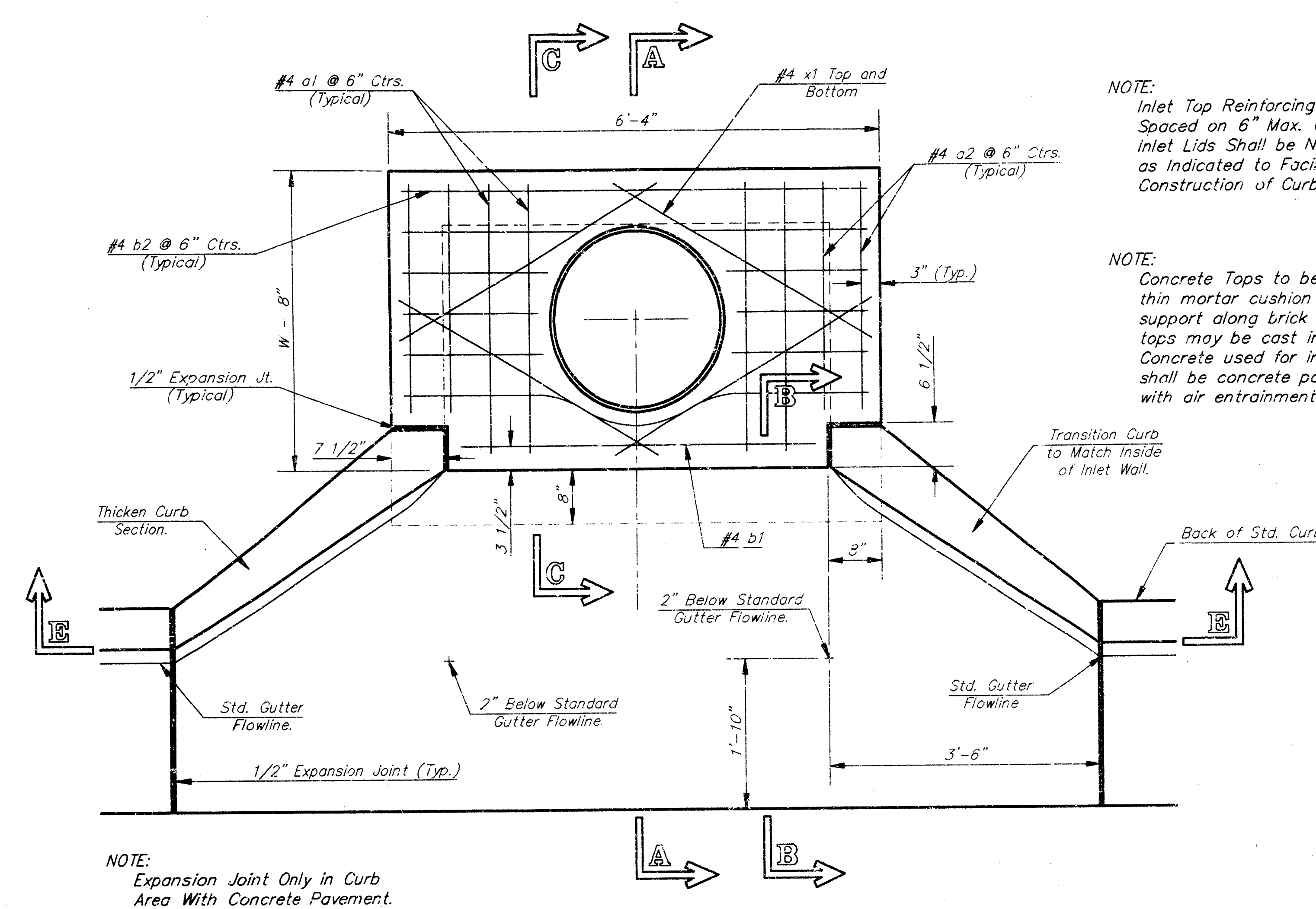
RIP-RAP DETAIL
(Sec. B-B)

Scale: 1" = 5'

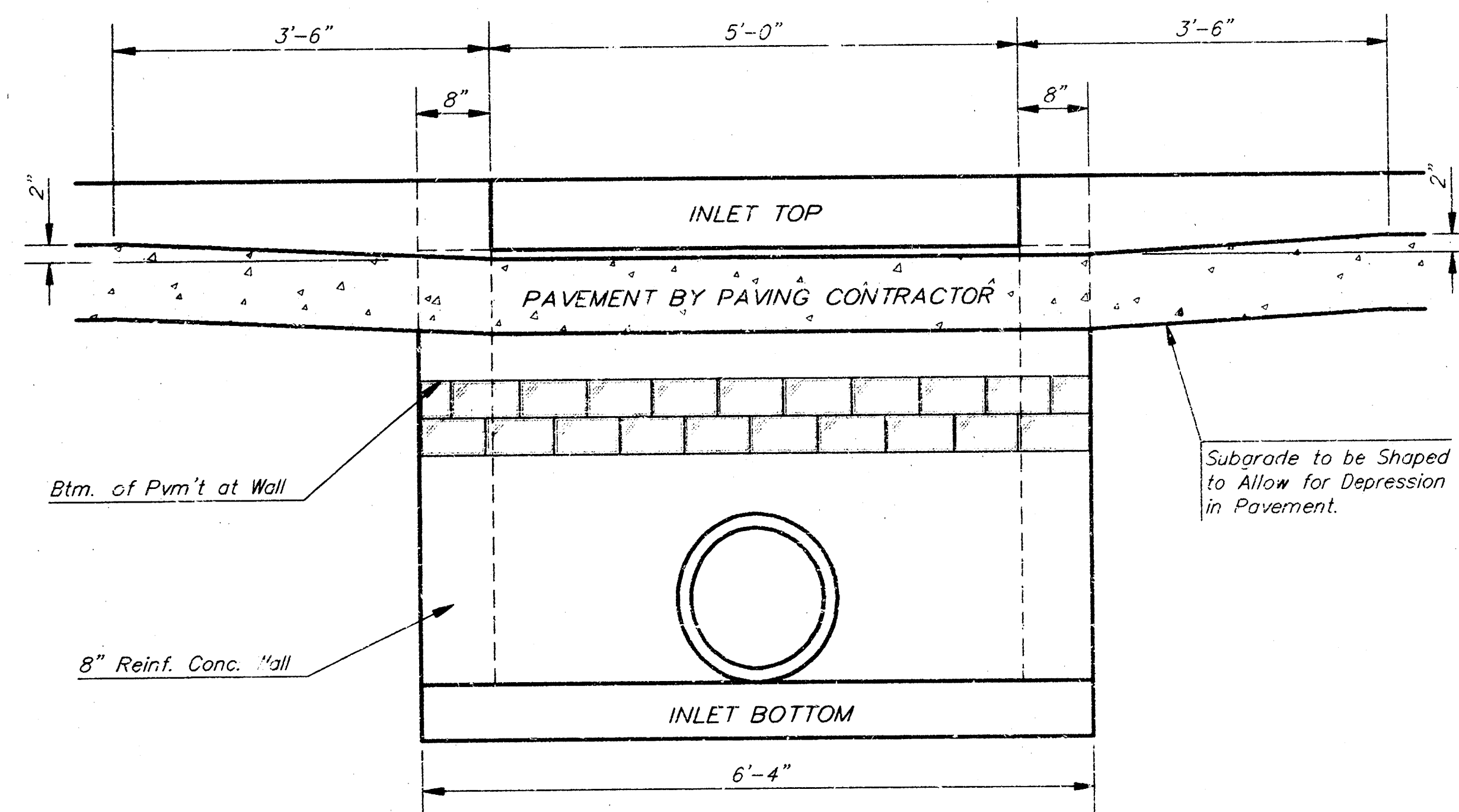
Concrete Bag Rip-Rap shall be stacked in "pallet pattern" and staked together with #4 Re-bar and driven into the ground as shown.



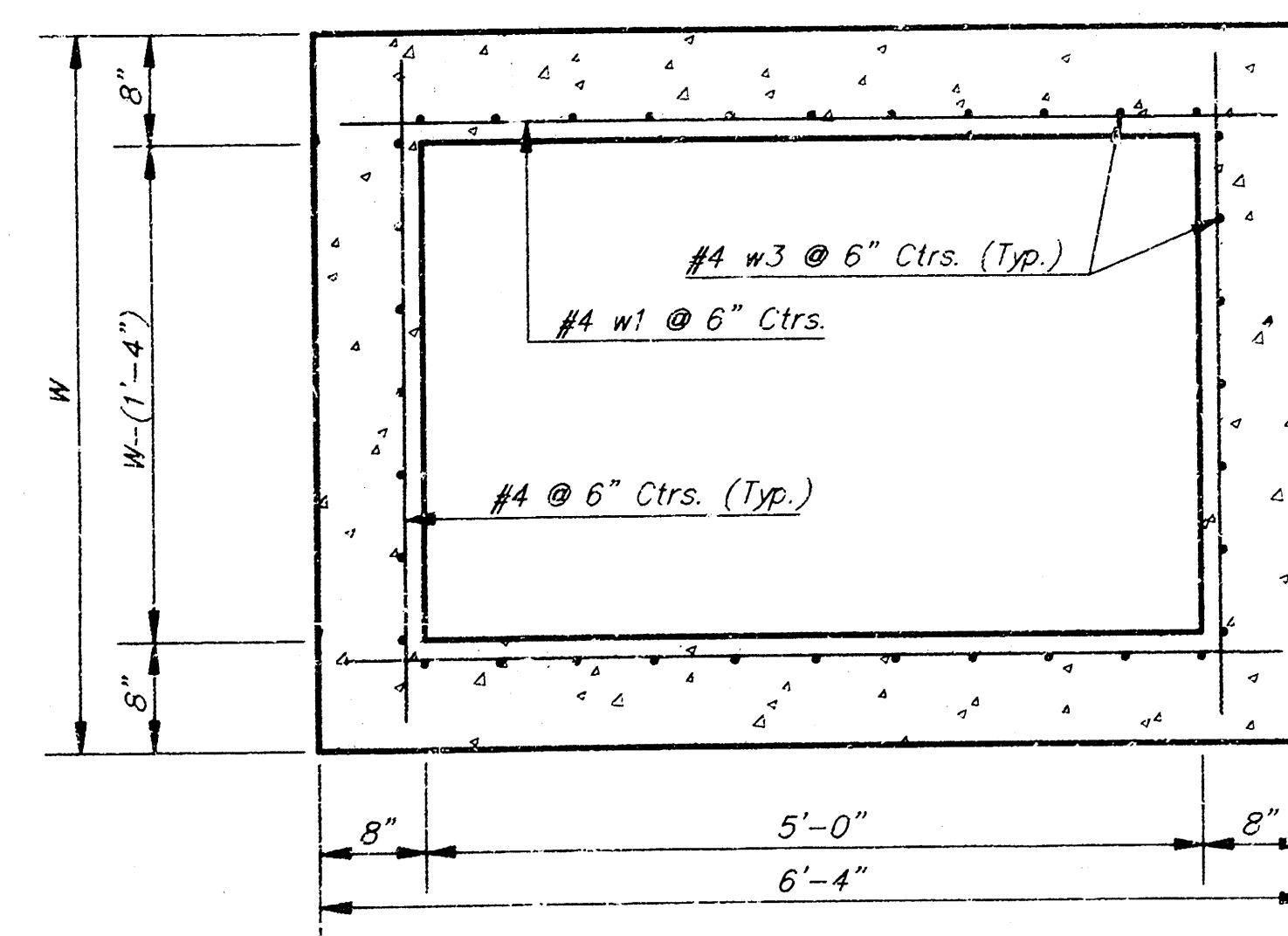
WILDERNESS AT THE PARK					
CHANNEL DETAILS					
Storm Water Drain #103					
BAUGHMAN COMPANY P.A.					
ENGINEERING & SURVEYING					
316-282-7271 • 315 E. 10th St. • WICHITA, KANSAS 67201					
PROJECT NUMBER					
488-245-76-82354-000-000-001					
DESIGN	DRAWN	APPROVED	DATE	SCALE	SHEET
JFB	JFB		7/6/94	Noted	4 OF 9



PLAN



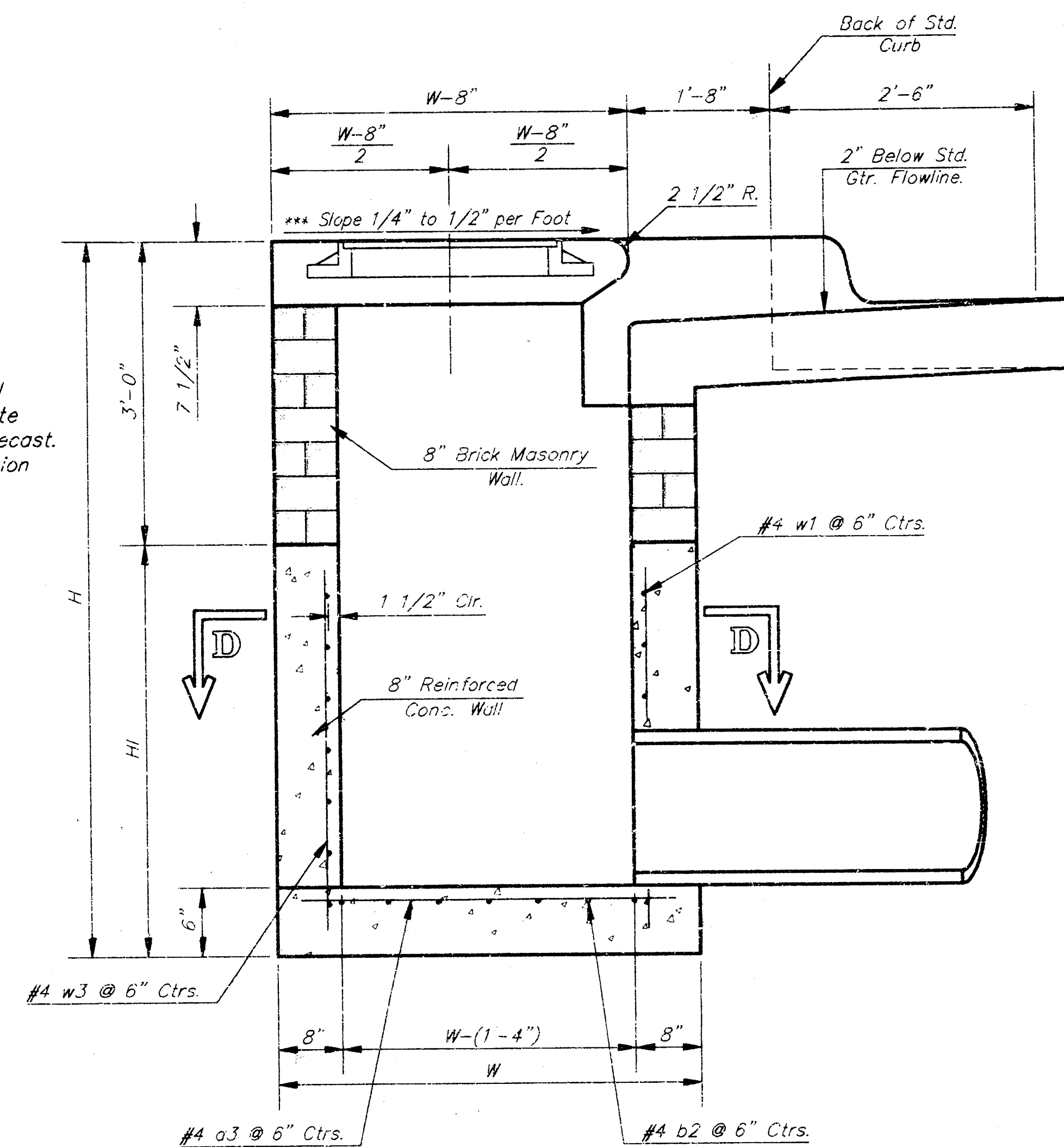
SECTION E-E



SECTION D-D

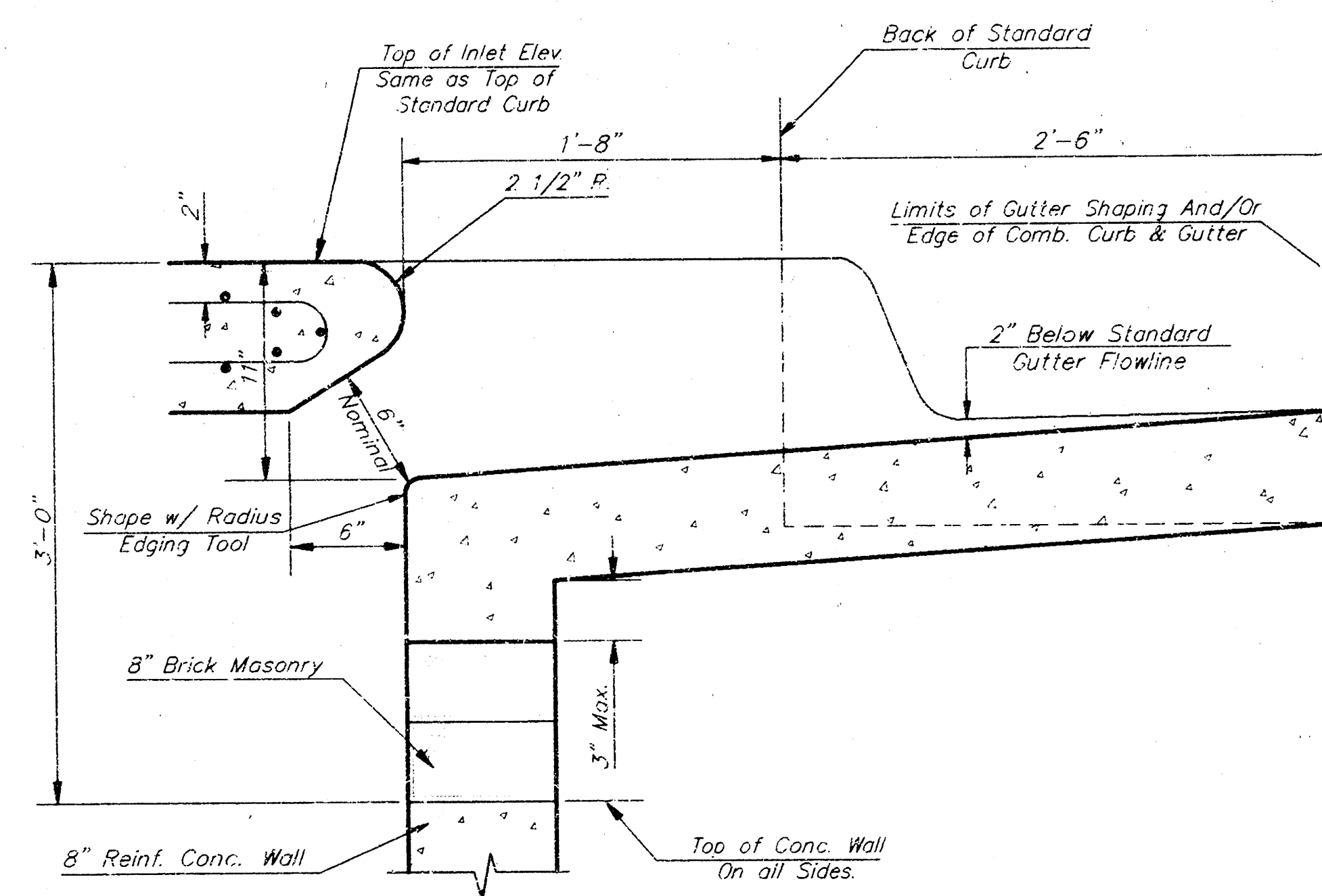
NOTE: Inlet Top Reinforcing shall be Spaced on 6" Max. Centers. Inlet Lids Shall be Notched Out as Indicated to Facilitate Construction of Curb.

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.

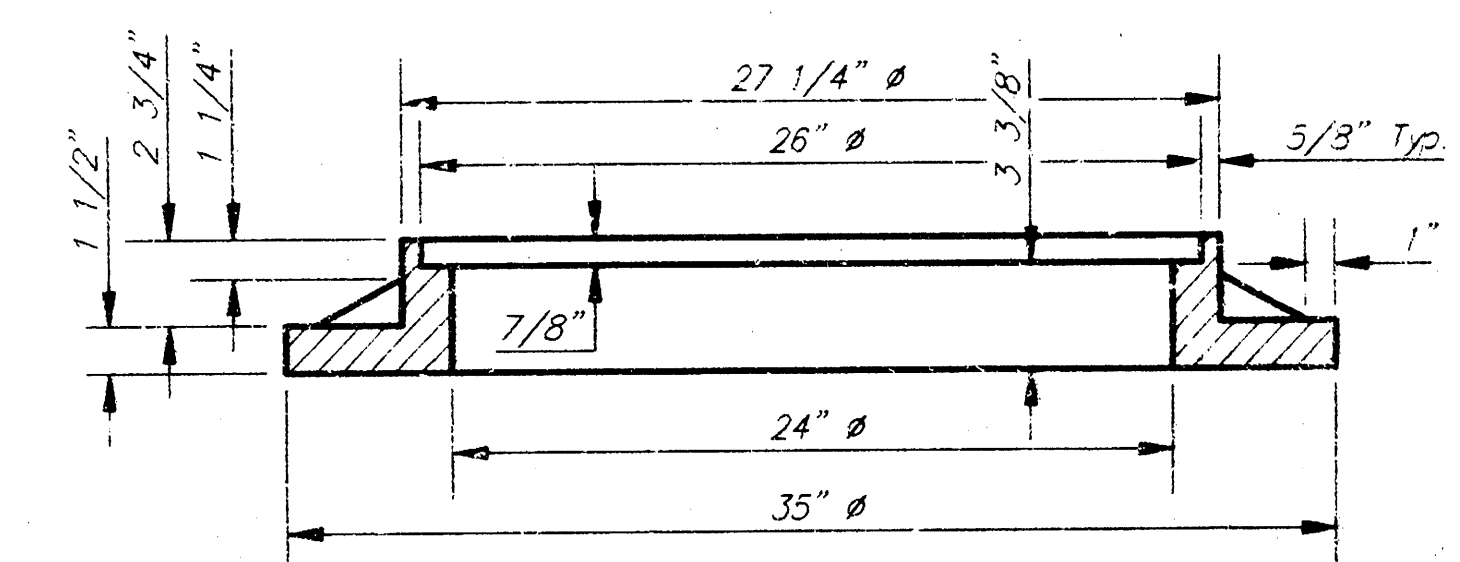
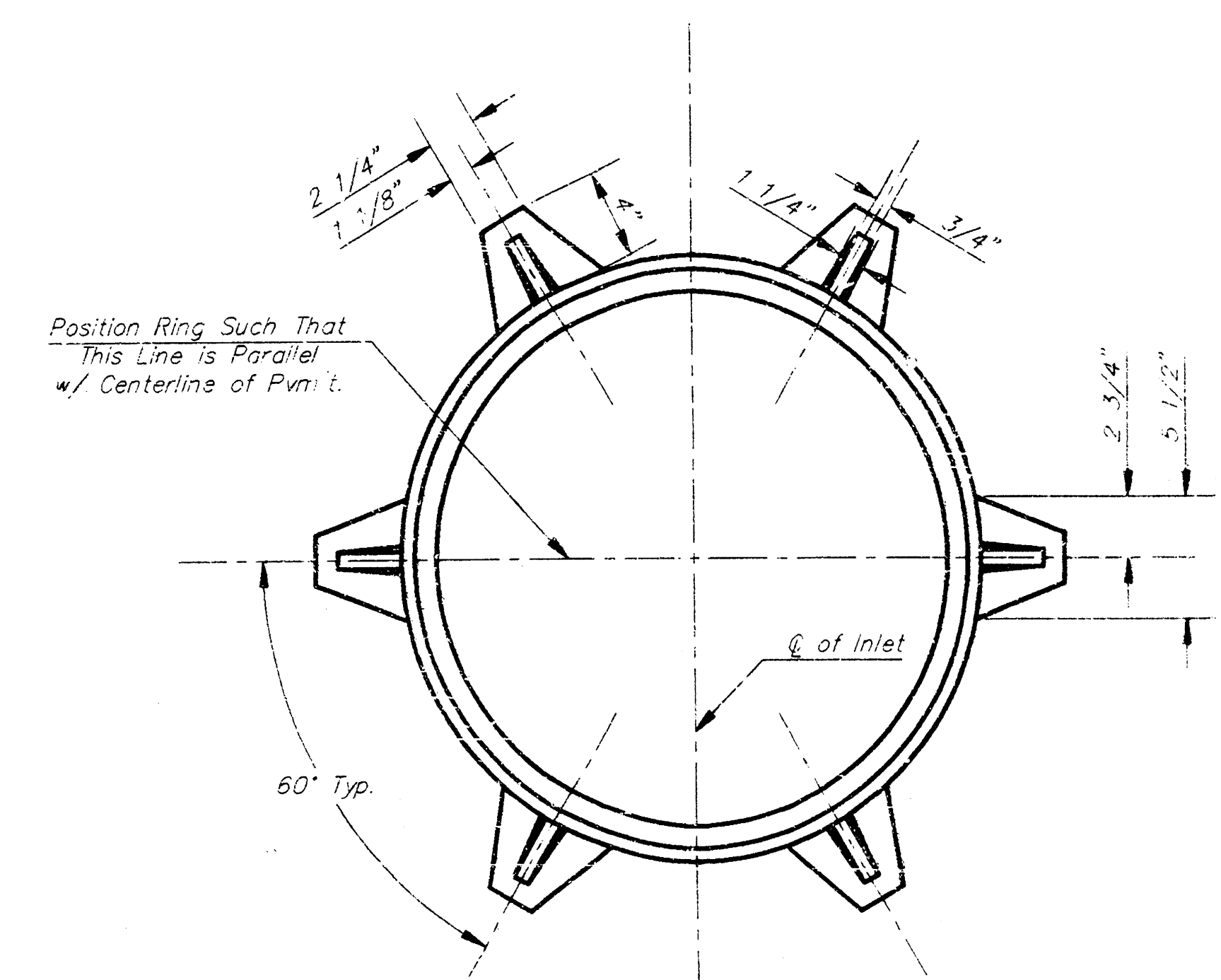


SECTION A-A

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



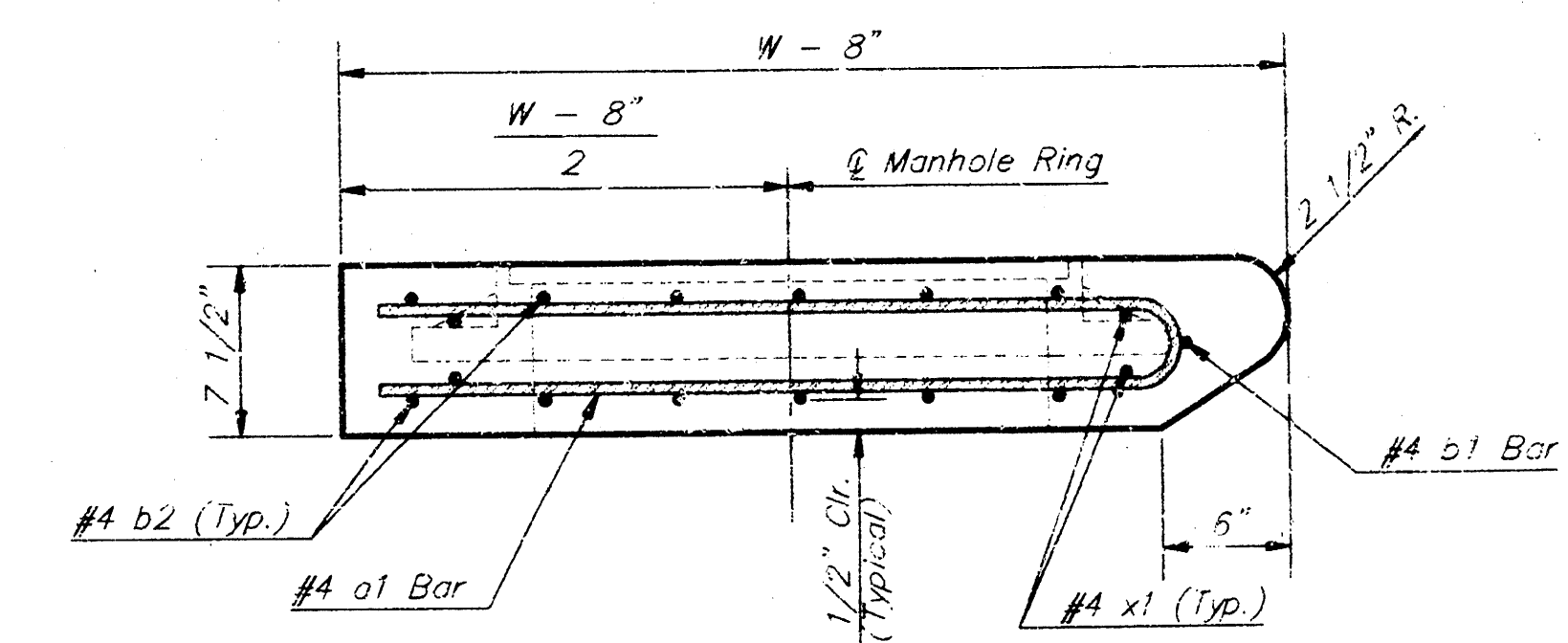
SECTION B-B



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.

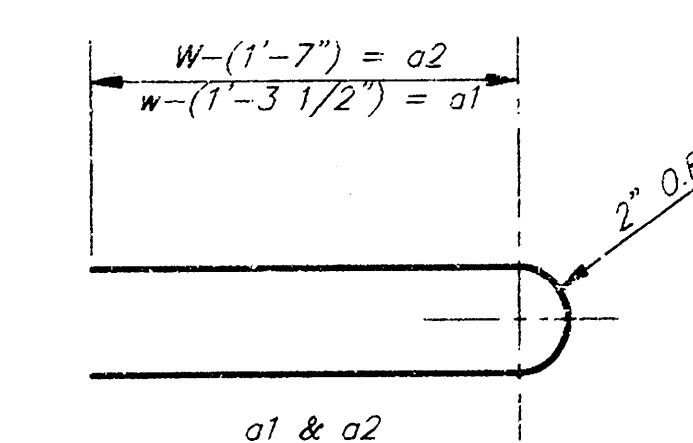


SECTION A-A

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"

WALL REINFORCING									
MARK	SIZE	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH
w1	#4	1	6'-1"	1	6'-1"	1	6'-1"	1	6'-1"
w2	#4	1	4'-1"	1	5'-1"	1	6'-1"	1	7'-1"
w3	#4	32	2	36	2	40	2	44	2

* Field Reinforcing as Required for Clearance.
 ① 4 (H1 - 12") (H1 - 21") Rounded down to nearest 0.5"
 ② H1 - 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 OPENING = 6" x 5'-0"

PROJECT NUMBER
 468-76-245-82354-000-000-001

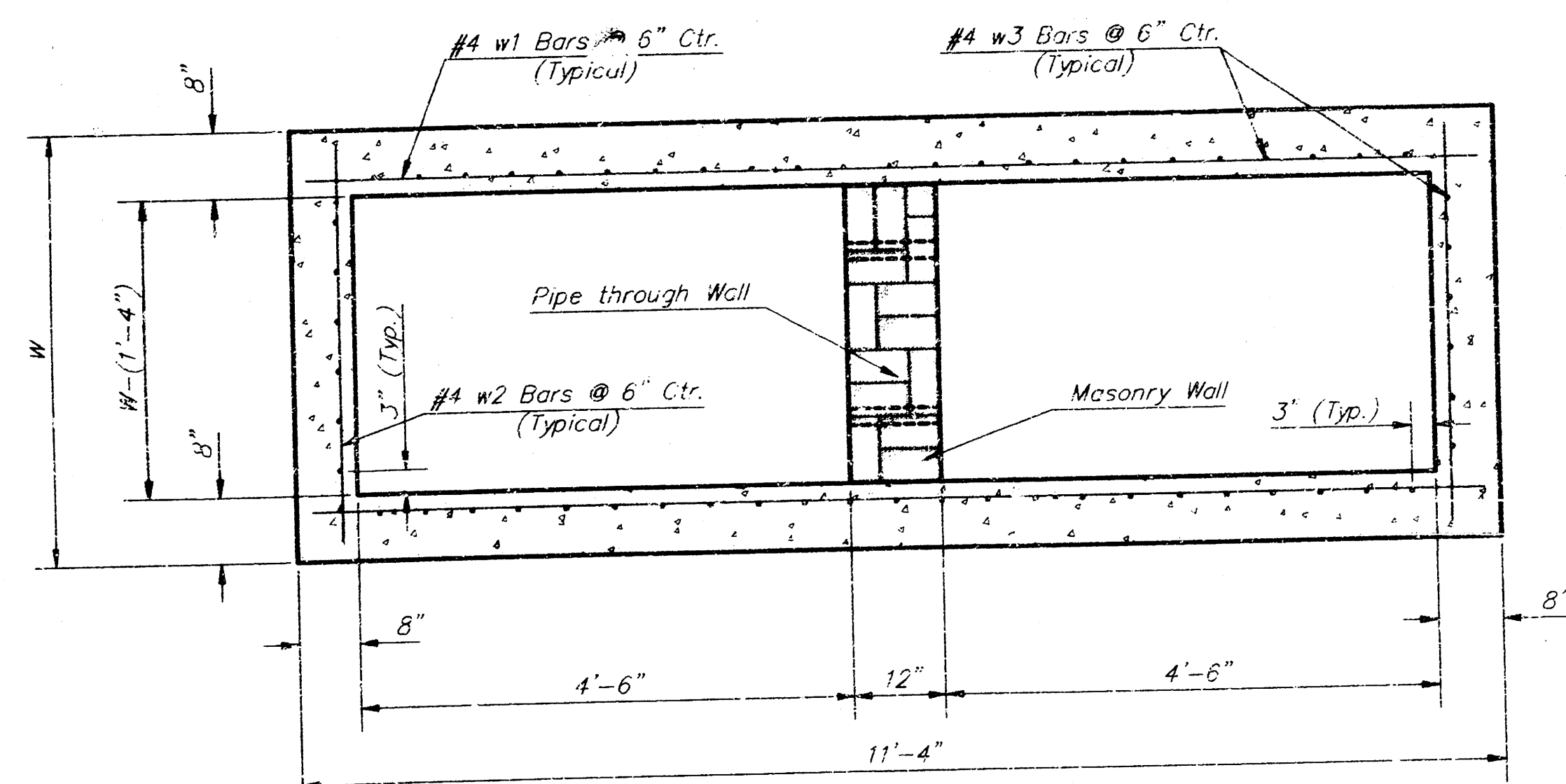
SHEET 5 OF 9

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

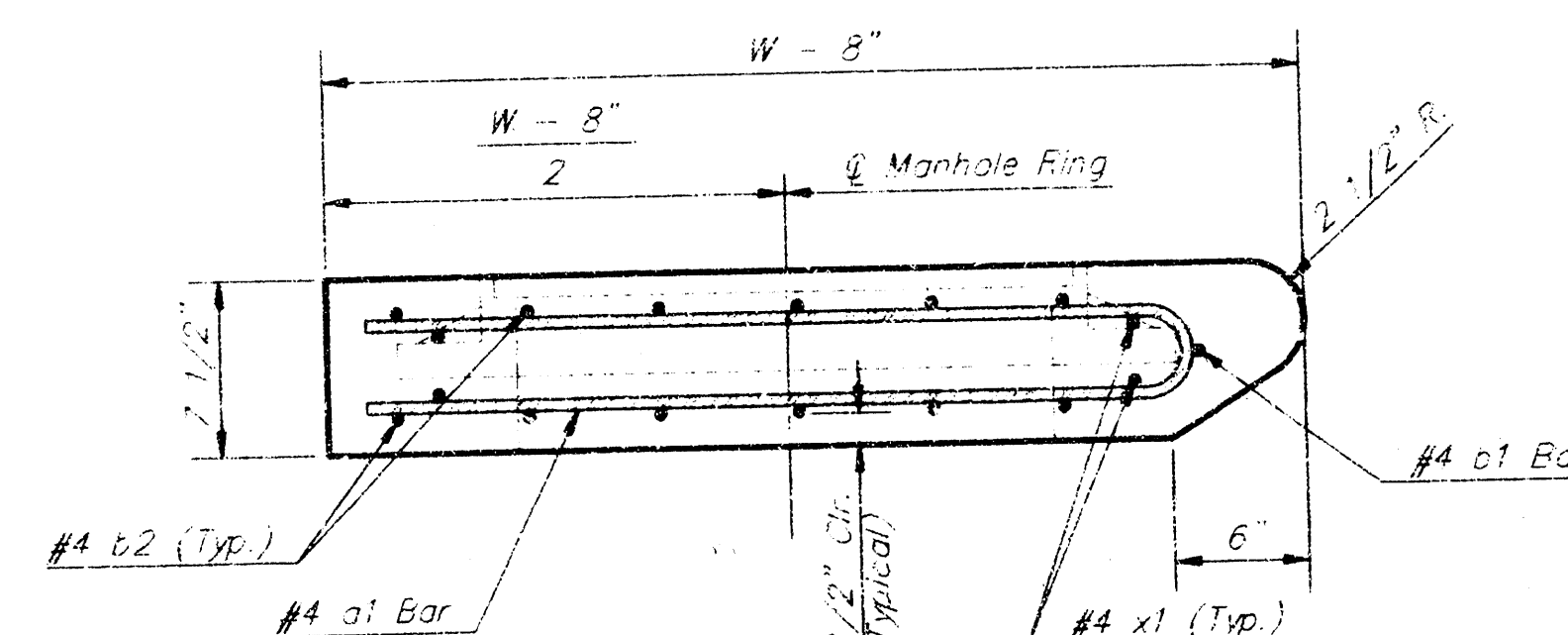
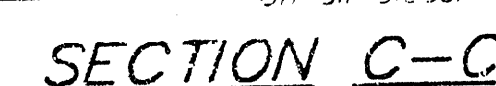


PLAN

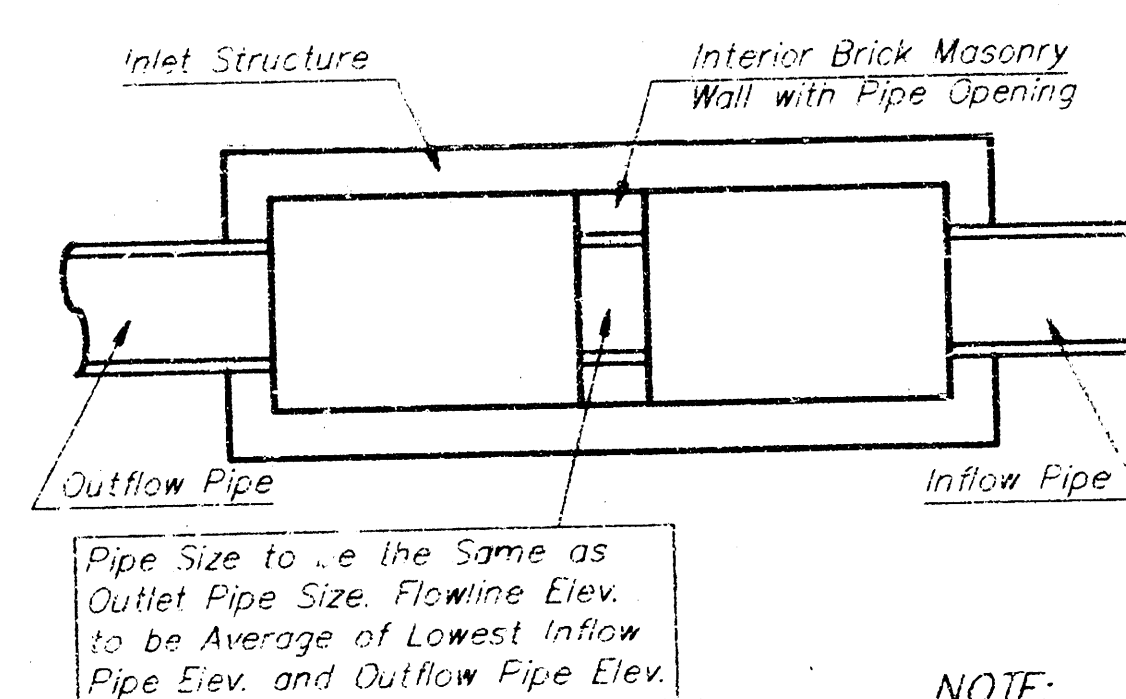
*Left Side Shown Without Slab Reinforcing,
Right Side Shown With Slab Reinforcing



SECTION B-B

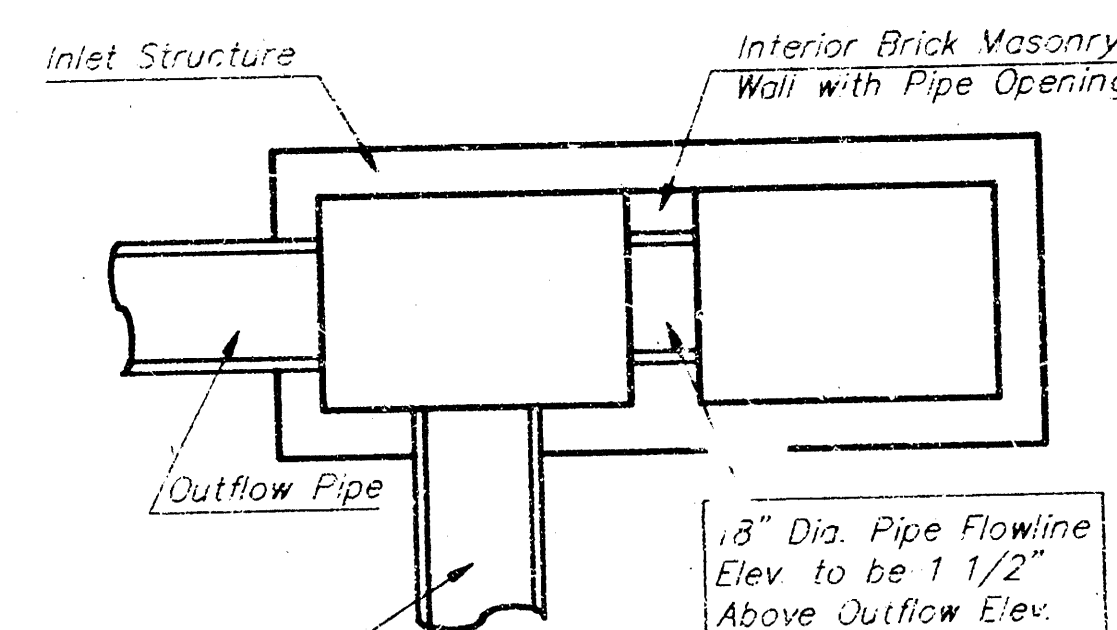


SECTION A-A



Pipe Size to be the Same as
Outlet Pipe Size. Flowline Elev.
to be Average of Lowest Inflow
Pipe Elev. and Outflow Pipe Elev.

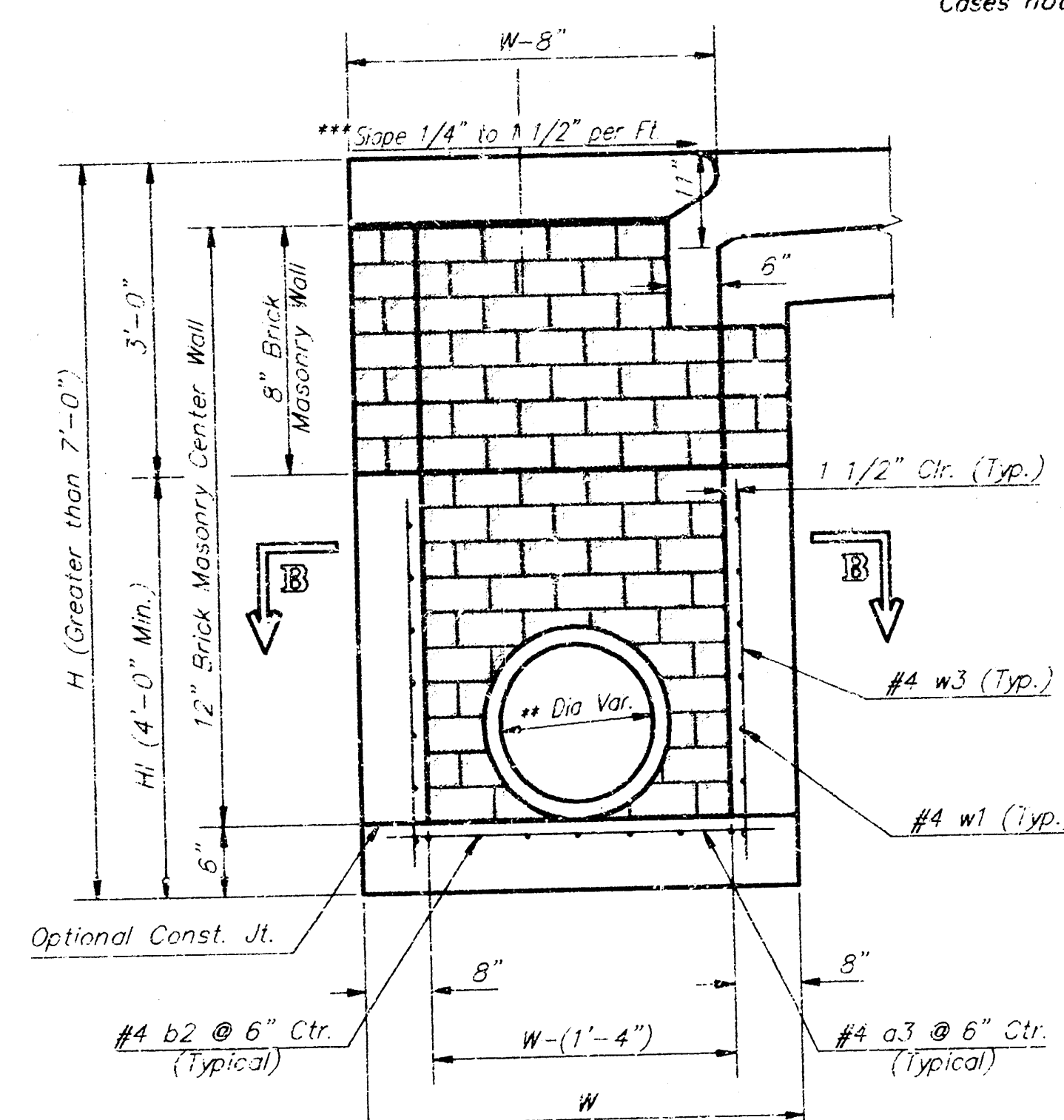
CASE 1



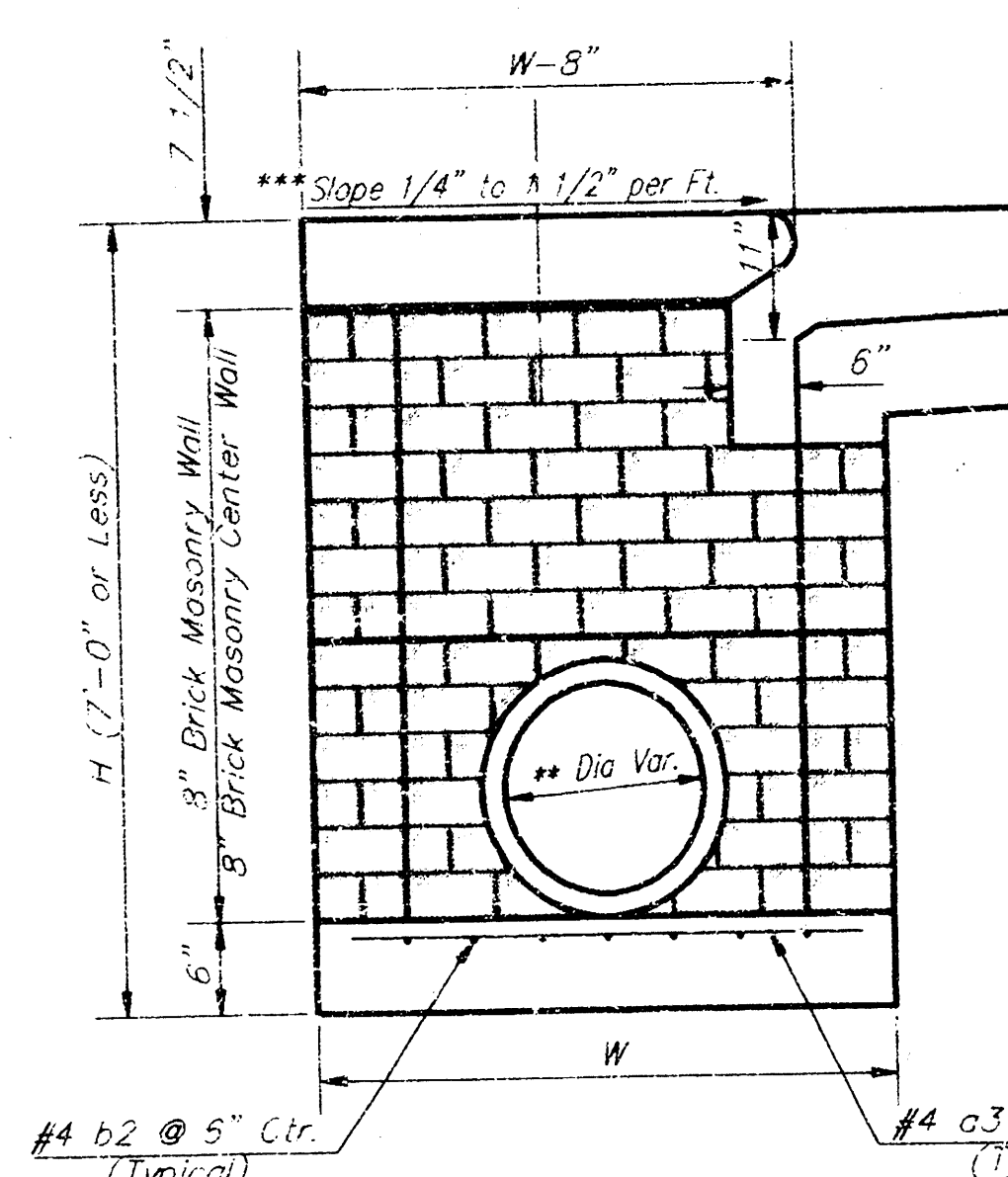
Elev. to be 1 1/2"
Above Outflow Elev.

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)

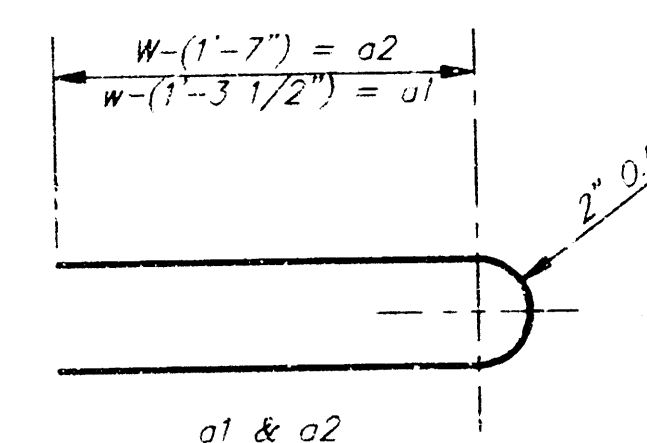
NOTES:

- **** 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

Field Bend or Cut Reinforcing as Required for Clearance.

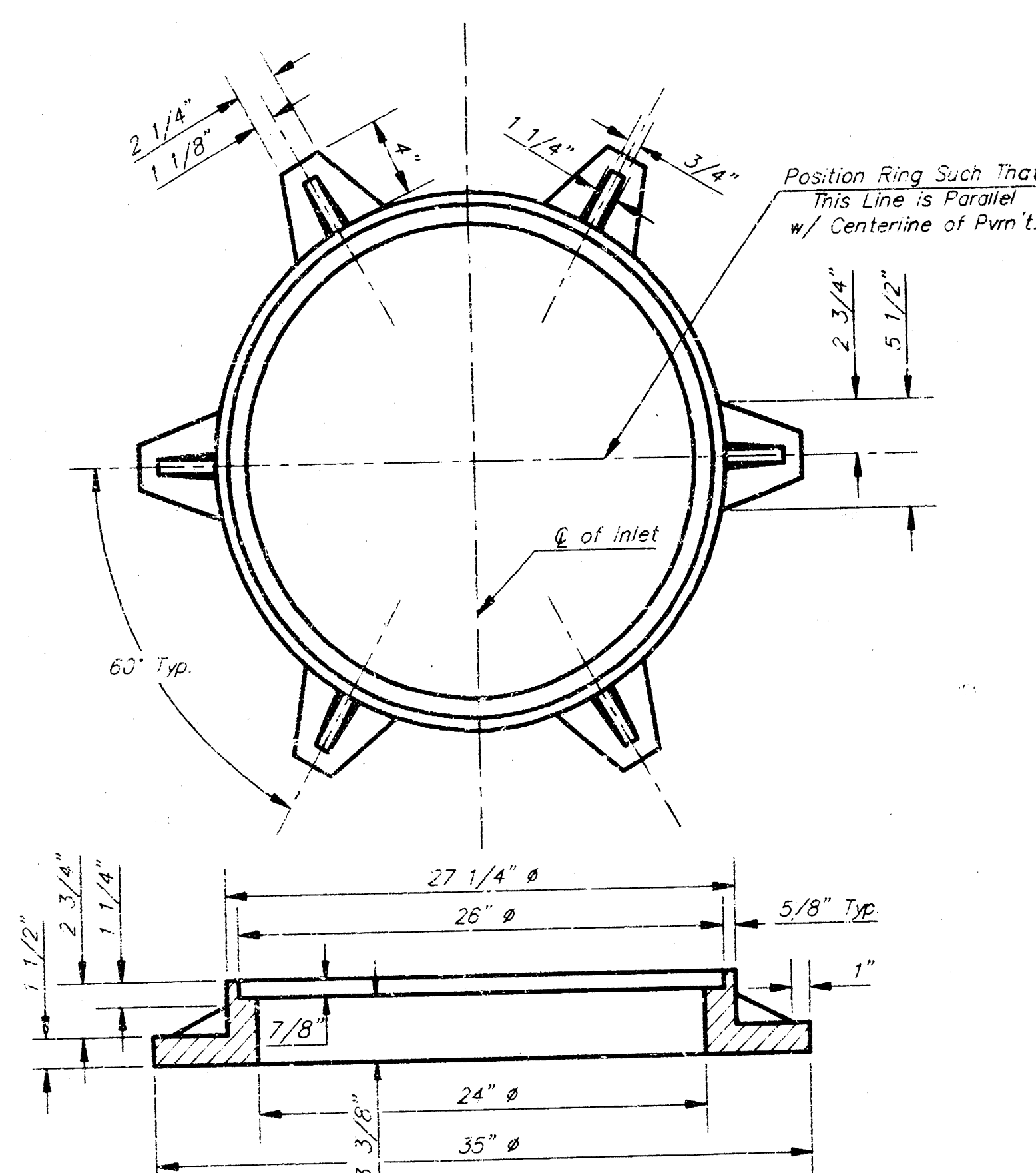
GENERAL NOTES:

1. 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.



BENDING DIAGRAM

W	PRE-CAST TOP SIZE	PIPE SIZE	CU. YD. CONC.
4'-4"	3'-8" 11'-4" 7 1/2"	24" & 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'-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.

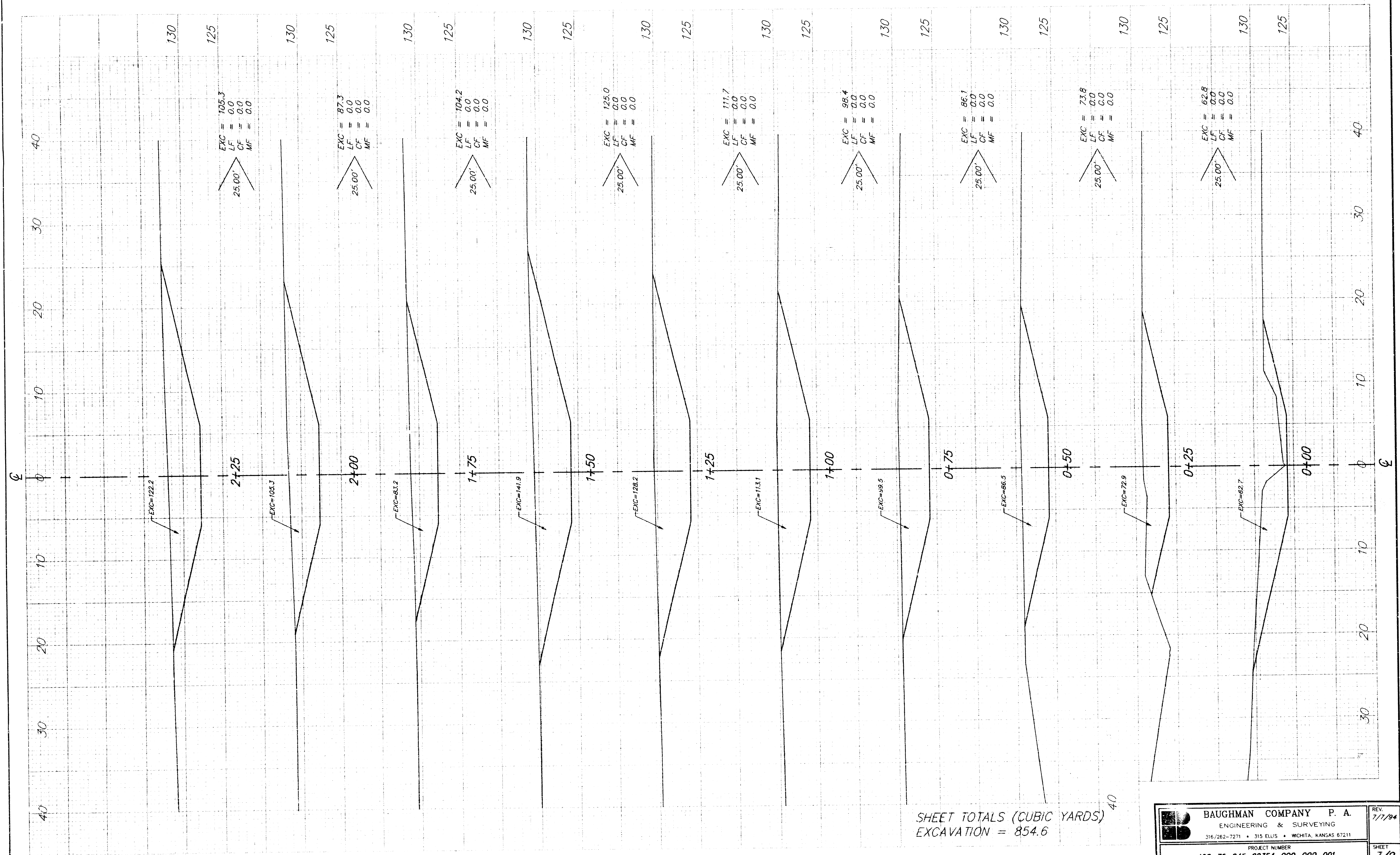
Revised - Feb. 16, 1989

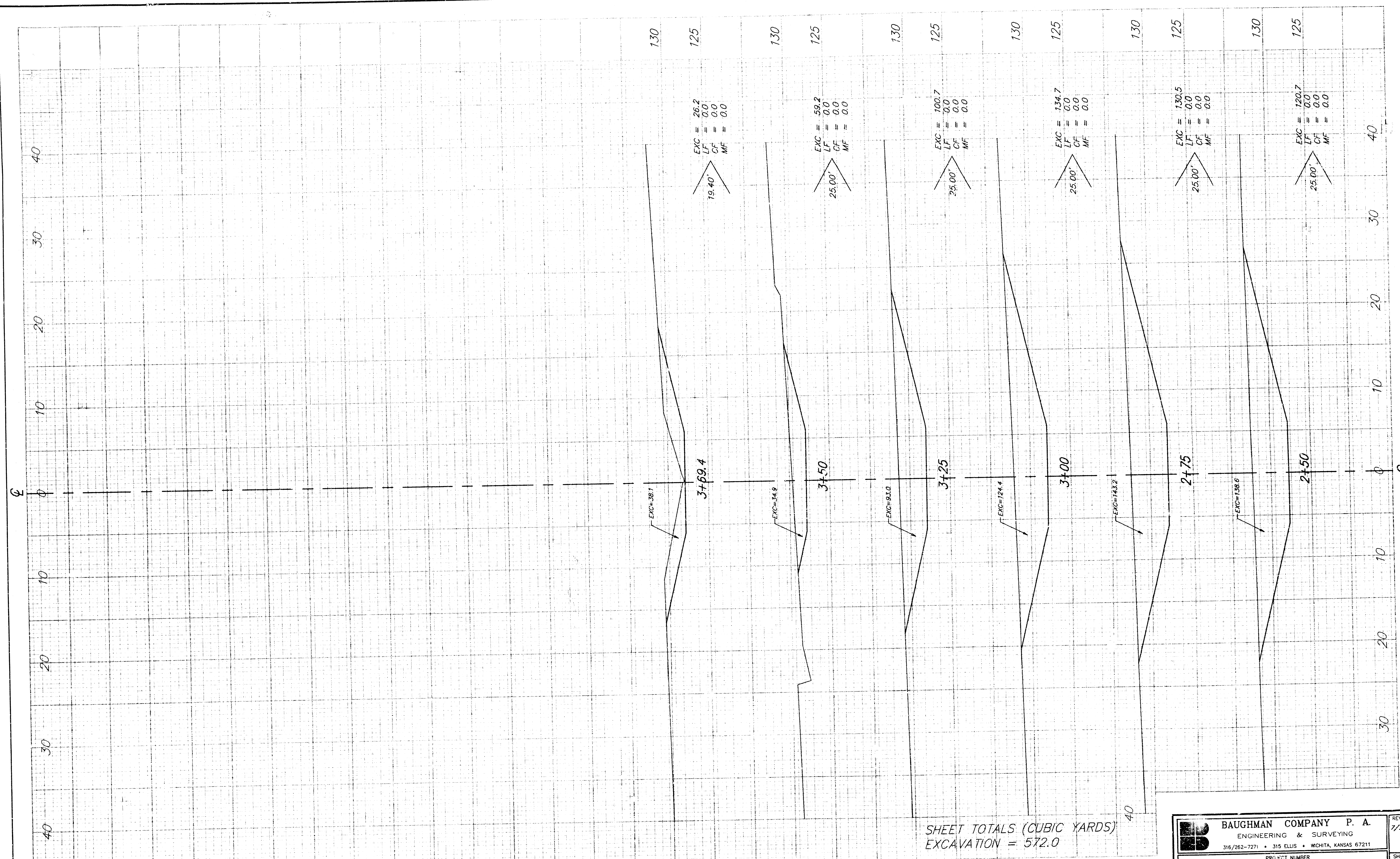
CITY OF WICHITA STANDARD TYPE 1A
CURB INLET DETAILS
INLET OPENING = 6" x 10'-0"

PROJECT NUMBER
468-76-245-82354-

BAUGHMAN COMPANY P. A.
ENGINEERING & SURVEYING

316/262-7271 • 315 ELLIS • WICHITA, KANSAS 67211





SHEET TOTALS (CUBIC YARDS)
EXCAVATION = 572.0

	BAUGHMAN COMPANY P. A. ENGINEERING & SURVEYING 316/262-7271 • 315 ELLIS • WICHITA, KANSAS 67211		REV. 7/1/94
	PROJECT NUMBER 468-245-76-82354-000-000-001		SHEET 8/9

State of Kansas) SS
Sedgwick County) We, Baughman Company, P.A., Surveyors in
aforesaid county and state do hereby certify that we have surveyed
and platted "WILDERNESS AT THE PARK", an Addition to Wichita, Sedgwick County, Kansas, and that the accompanying plat is a true and
correct exhibit of the land described as and being a replat of Lots
2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21,
22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38,
39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55,
56, 57, 58, 59, 60, 61, 62, and 63, Block 1 and Lots 1, 3, 4, 5,
6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, and 18, Block 2 together
with all of Pawnee Court, Olympic Court, Olympic Circle, Shenandoah
Drive and Shenandoah Courts lying within said Blocks 1 and 2
and together with all of Reserve "A" within said Block 1 lying west of the
following described line: Beginning at the N.E. Corner of said Reserve "A"
in said Block 1; thence S¹/₄ S 54° W along the existing east line
of said Reserve "A" and extended 809.58 feet; thence S56°40' W,
218.14 feet; thence S00°03'40" W, 151.55 feet; thence S47°16' W, 148.54
feet; thence S00°03'40" W, 204.84 feet to a point on the north line
of Yosemite Drive, and all of Reserve A, within said Block 2, All as Platted in
THE PARK, an Addition To Wichita, Sedgwick County, Kansas.

7/7/93
Date

Baughman Company, P.A.

A. J. Soerries Carrol M. Soerries

The Park Homeowners' Association, No. 1

Mark P. Borofsky 8.6.13 President
Mark Borofsky

Attest: Karen Shope 9-6-93 Secretary
Karen Shope

Emprise Bank

Larry G. Burns, Sr. V.P.
(Title)

State of Kansas) SS The foregoing instrument acknowledged be-
Sedgwick County) fore me this 8th day of September, 1993, by and of Burns,
S. V. P. of Emprise Bank, on behalf of the bank.
(Title)

My App't Exp. 5-10-94 Melanie R. Penner Notary Public
Melanie R. Penner

(State of Kansas) SS The foregoing instrument was acknowledged
Sedgwick County) before me this 121 day of September, 1993, by A. J. Soerries
and Carrol M. Soerries, husband and wife.

My App't Exp. 5-4-96 Lenna J. Chappelle Notary Public

State of Kansas)
Sedgwick County) SS The foregoing instrument was acknowledged
before me this 7th day of September, 1993, by Mark Barofsky,
President of The Park Homeowners' Association, No. 1, on behalf of the
association.


 TED E. KNOPP
 NOTARY PUBLIC
 STATE OF KANSAS
 My Appl. exp. Mar. 3, 1995

My App't Exp. 3-3-95 Ted E. Knopp Notary Public

James H. [illegible] Chairman
[illegible] Member

Marvin S. Krout Secretary

This plat approved and all dedications shown hereon accepted by the City Council of the City of Wichita, Kansas, this 16 day of November, 1993.

Elma Broadfoot Mayor

Pat Burnett Deputy City Clerk
Pat Burnett

Entered on transfer record this 14 day of November, 1993.

Susan E. Crockett-Spoon County Clerk

State of Kansas) SS This is to certify that this plat has been filed
Sedgwick County) for record in the office of the Register of Deeds this 10TH day of
DECEMBER, 1993 at 10:00 o'clock A.M., and is duly recorded.

Pat Kettler Register of Deeds
Pat Kettler

Ed Resa Deputy

MINIMUM BUILDING PAD ELEVATIONS FOR LOWEST OPENING OF STRUCTURE			
LOT	BLOCK	ELEVATION	
		City Datum	M.S.L.
1, 2, 3	1	135.6	132.0
1, 2, 3	2	135.6	132.0
4, 5, 6	1	134.5	132.2
4, 5	2	134.8	132.2
7, 8, 9	1	132.5	131.4