

STREET IMPROVEMENTS TO SERVE
HEDGECLIFF 3rd ADDITION

Project No.

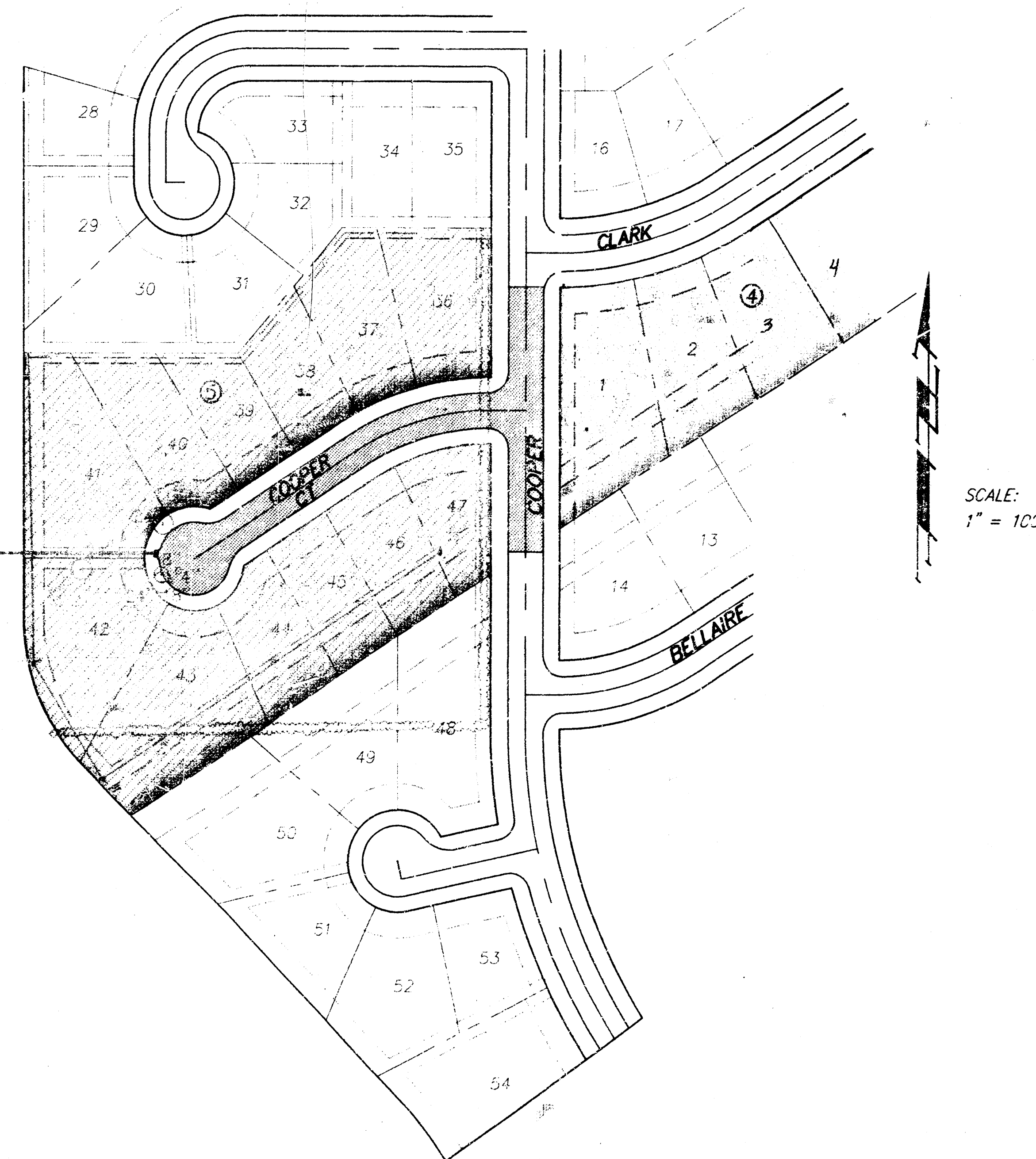
472-76-245-82220-000-000-001

CITY OF WICHITA, KANSAS
Michael E. Lindebak City Engineer

INDEX CODE: 761304

General Notes

1. 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.
2. 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. Sawed 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.
3. 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. All disposal sites must be approved by the Kansas Department of Health and Environment. Material either stockpiled or disposed of in a flood plain would require a Kansas State Board of Agriculture permit. Any material dumped in waters of the United States or wetlands is subject to U.S. Corps. of Engineers permitting regulations. Any material buried or stockpiled beyond approved construction limits would require additional archaeological investigations unless buried in a previously approved borrow location.
4. The Contractor shall notify pipeline companies at least 24 hours in advance of any work being performed over and/or adjacent to pipelines.
5. Properties within the project limits may have underground sprinkler systems in public right-of-way which conflict with new construction. Contractor will be required to remove such improvements should they not be removed by their owner at the time of construction of the project. The Contractor will be required to salvage all sprinkler heads and/or valves and give such material to their owner. Portions of underground sprinkler systems not in conflict with new construction shall be protected from damage and shall remain in place. All work in connection with underground sprinkler systems shall be considered as subsidiary to the contract pay items of work.
6. 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.
7. No more than 2 drives 18 feet in width, or equivalent combinations thereof, are to be constructed with this 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. Limits of earthwork shall match existing ground elevations at the right-of-way line unless otherwise noted on the plans with a new finished grade elevation. When a new finished grade elevation is shown, the earthwork shall extend one foot beyond the right-of-way line and then sloped up or down using permissible slopes to match the existing ground surface.
10. Contractor shall give property owners abutting this project, whose yards will be lower than the new finished grade elevations at the right-of-way line, an opportunity to utilize excess excavated material from the project to regrade their yards to drain to the new pavement. Contractor will be required to dump and spread the excess material as required by the specification when requested by the property owner. The Contractor shall ascertain that a dirt order form has been properly executed by the property owner before any such excess material is delivered to such properties.
11. 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.
12. 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.
13. Traffic will not be affected by construction.

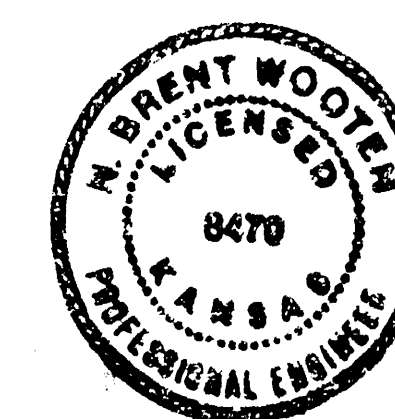


Index

1. TITLE SHEET
- 2-5. TYPICAL PAVEMENT DETAILS
6. COOPER COURT
7. COOPER COURT
8. DRAINAGE PLAN & PROFILE
9. INLET DETAIL
- 10-11. EARTHWORK CROSS SECTIONS
12. PLAT OF HEDGECLIFF 3RD ADDITION

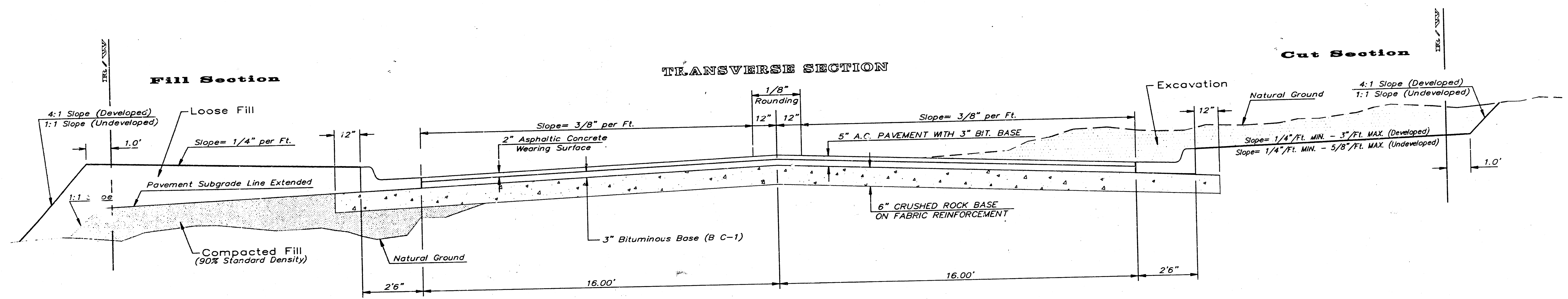
Booked Per Plans
2-11-93 ZKP
0-199

Benefit District ☐



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

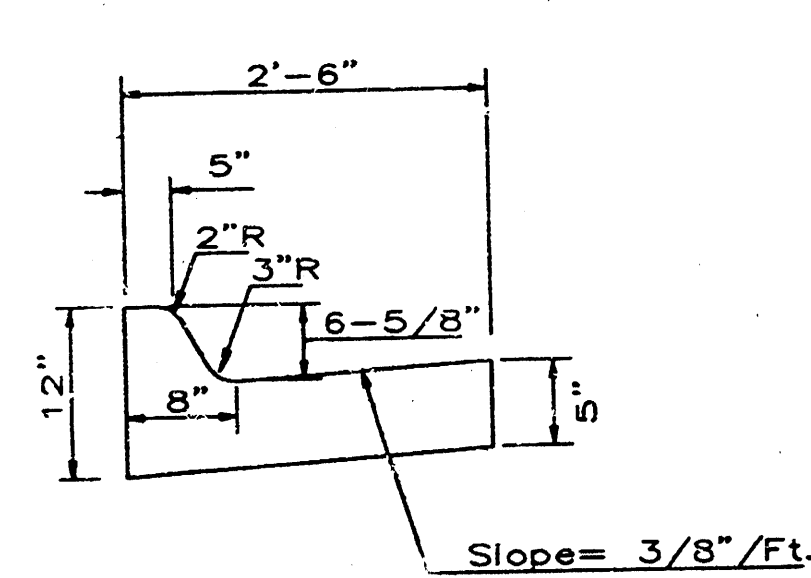
TYPICAL 37' B-B PAVEMENT DETAILS



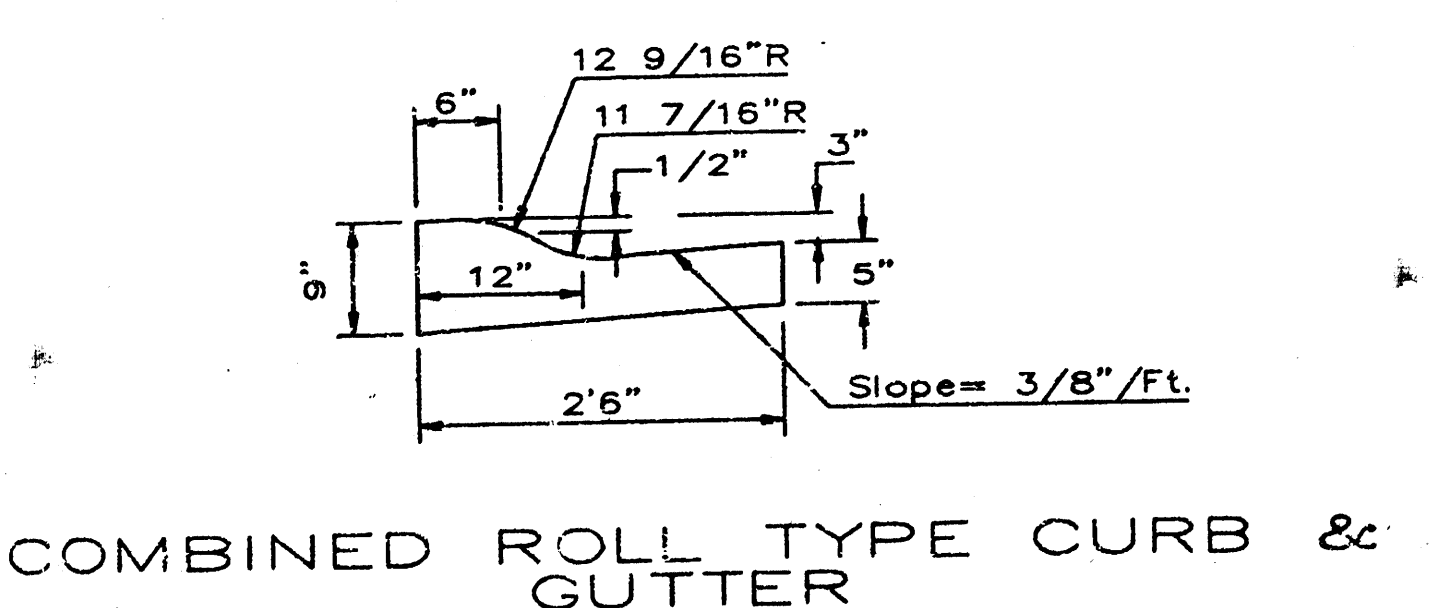
The crushed rock shall have the following gradation:

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

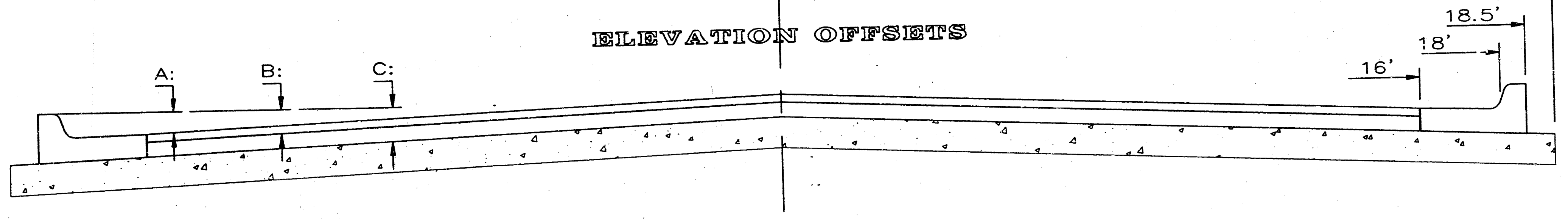
Rock quality shall conform to the requirements specified by the KDOT 1990 Edition Standard Specification Subsection 1102 for durability Class I.



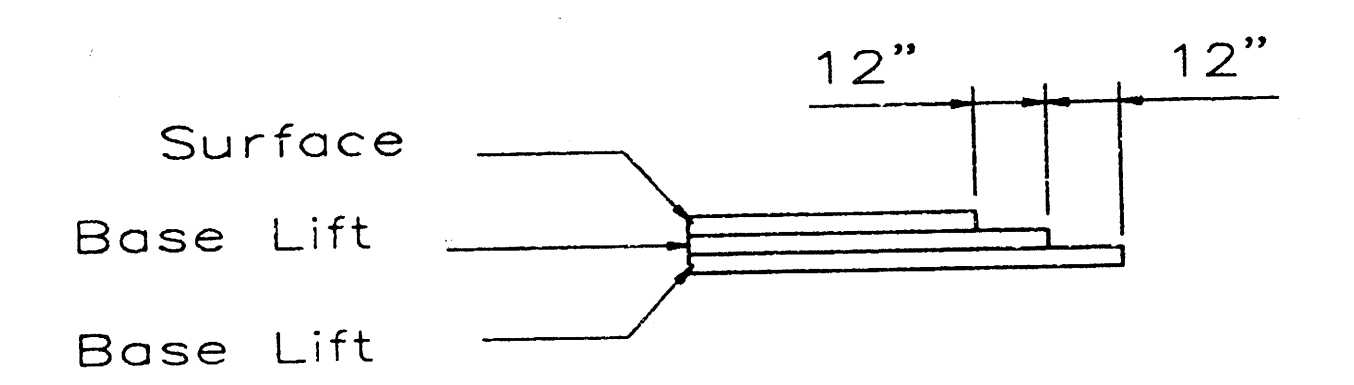
COMBINED CURB & GUTTER



COMBINED ROLL TYPE CURB & GUTTER

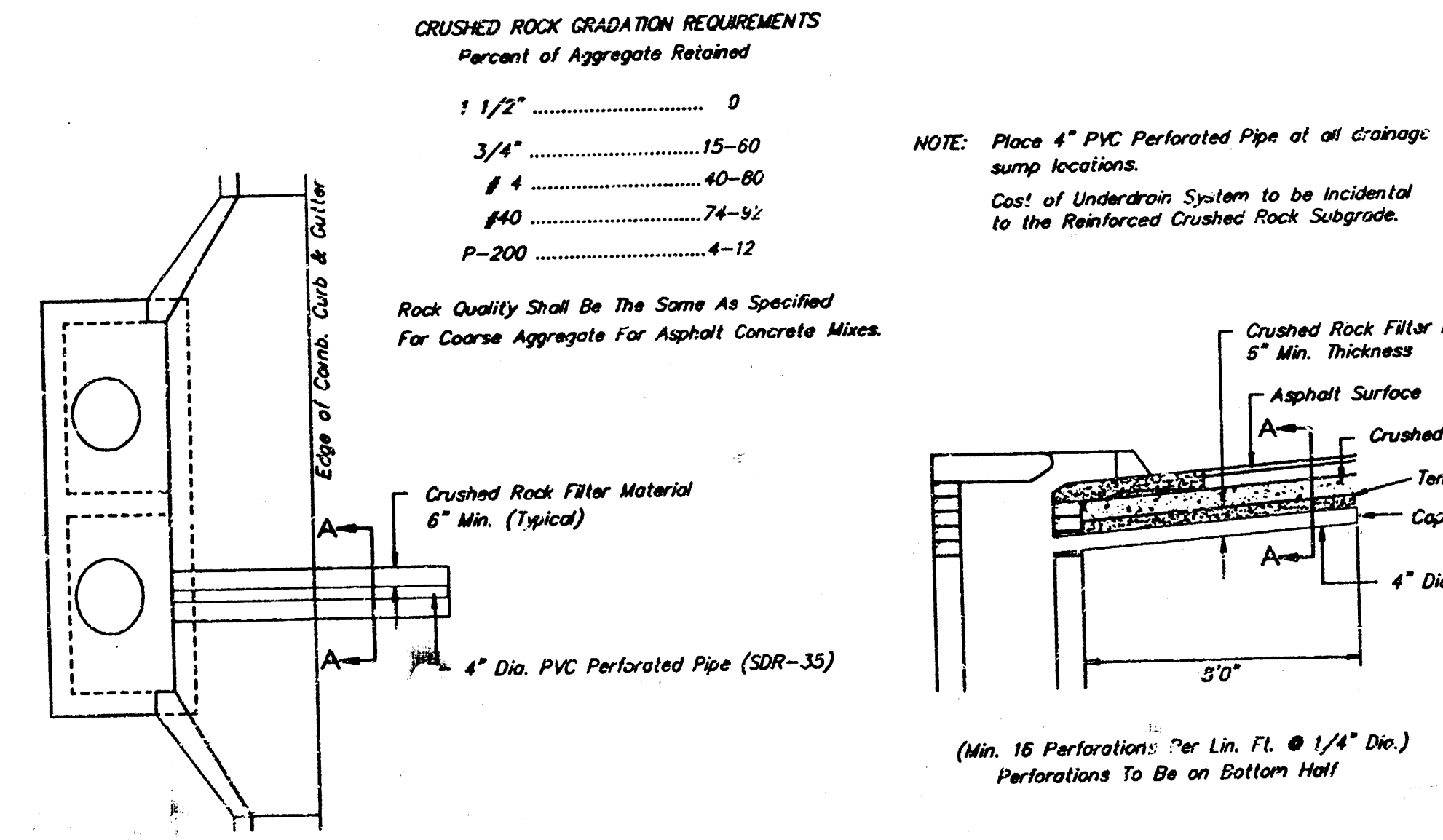


	DISTANCE FROM CENTERLINE (LT. & RT.)										
	0'	2'	4'	6'	8'	10'	12'	14'	16'	18'	19.5'
A: Top of Curbs to Top of Surface Lift	0.01	.05	0.11	0.18	0.24	0.30	0.36	0.43	0.49	-	-
B: Top of Curbs to Top of Upper Base Lift	0.17	0.22	0.28	0.34	0.40	0.47	0.53	0.59	0.65	-	-
C: Top of Curbs to Top of C.R. Subgrade	0.43	0.47	0.53	0.59	0.65	0.72	0.78	0.84	0.90	0.97	1.01



TRANSVERSE CONSTRUCTION JOINTS

Transverse construction joints shall be constructed in flexible base pavements at locations where pavement joins 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).



PAVEMENT UNDERDRAIN DETAIL

General Notes

FABRIC BASE REINFORCEMENT SHALL BE B X 1100 GEOGRID AS MANUFACTURED BY TENSAR CORPORATION OR APPROVED EQUAL. FABRIC BASE REINFORCEMENT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. CRUSHED ROCK SHALL BE UNIFORMLY GRADED FROM 1-1/2" MAXIMUM SIZE TO NOT MORE THAN 10% PASSING A NO. 200 SIEVE. ROCK QUALITY SHALL BE THE SAME AS SPECIFIED FOR COARSE AGGREGATE FOR CONCRETE MIXES.

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.

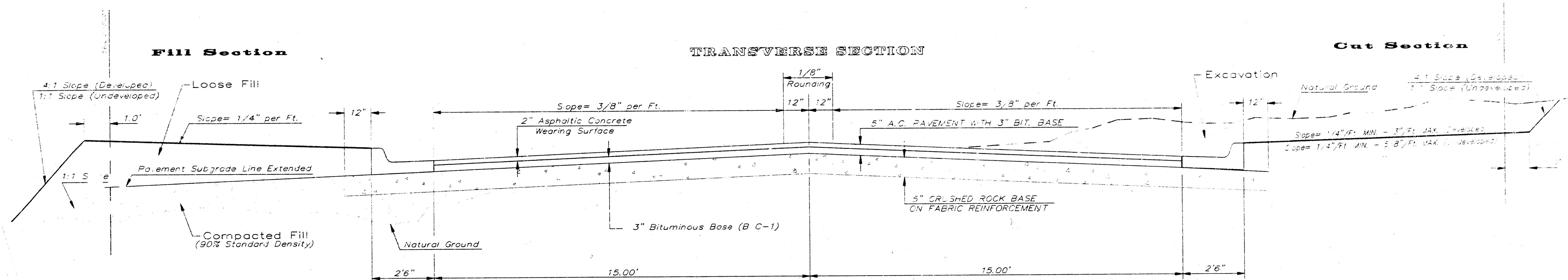
BITUMINOUS BASE AND ASPHALTIC CONCRETE WEARING SURFACE SHALL BE PLACED WITH A LAYDOWN MACHINE HAVING AUTOMATIC CONTROLS FOR LINE AND GRADE.

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 with Crushed Rock Base on Fabric Reinforcement City of Wichita, Kansas				
BAUGHMAN COMPANY P. A. ENGINEERING & SURVEYING 316/282-7271 • 315 ELLIS • WICHITA, KANSAS 67211				
PROJECT NUMBER 472-76-245-82220-000-000-001				
DESIGN T.C.R.	DRAWN	APPROVED	DATE	SCALE
				SHEET 2 OF 12

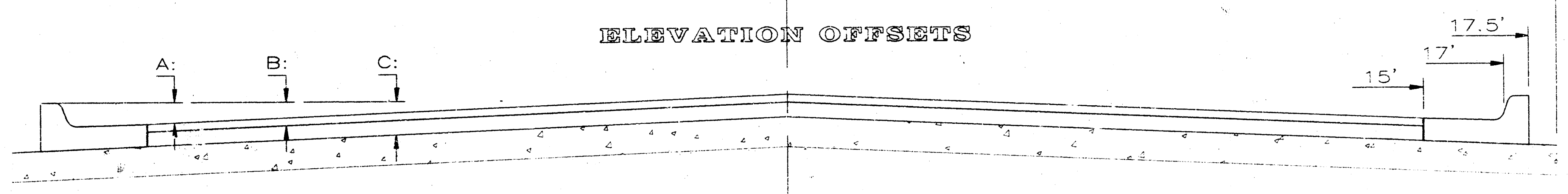
TYPICAL 35' B-B PAVEMENT DETAILS



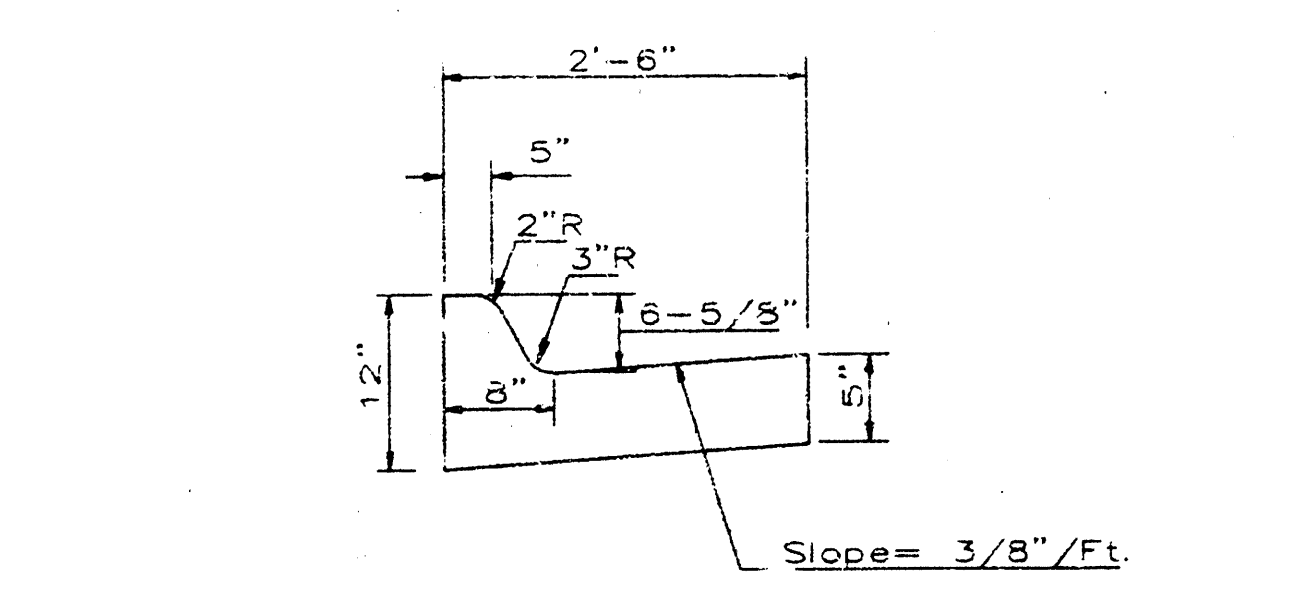
The crushed rock shall have the following gradation:

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

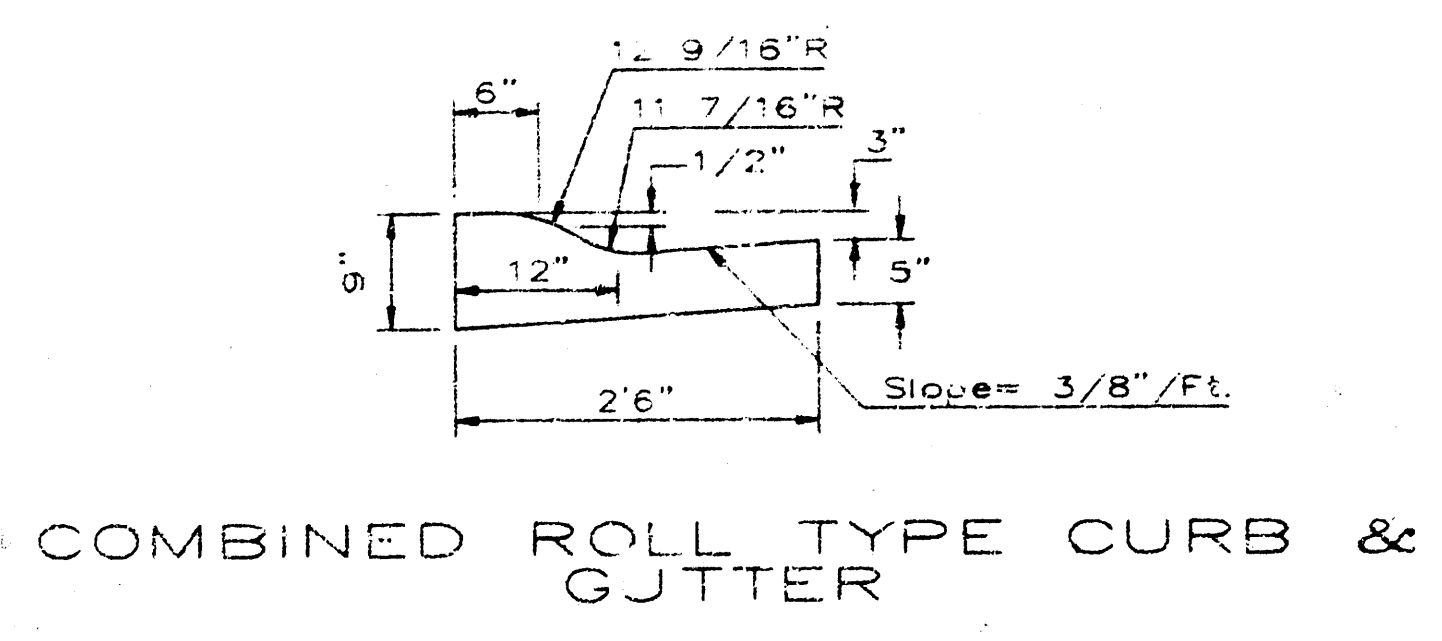
Rock quality shall conform to the requirements specified by the KDOT 1990 Edition Standard Specification Subsection 1102 for durability Class I.



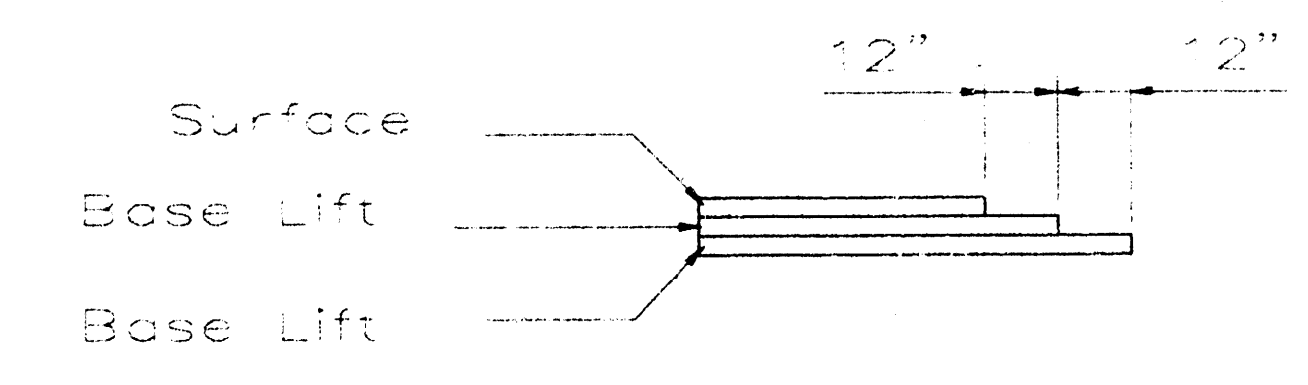
	DISTANCE FROM CENTERLINE (LT. & RT.)												
	0'	2'	4'	6'	8.5'	10'	12'	14'	15'	17'	17.5'	18.5'	
A: Top of Curbs to Top of Surface Lift	0.04	0.08	0.14	0.21	0.29	0.33	0.39	0.46	0.49	—	—	—	
B: Top of Curbs to Top of Upper Base Lift	0.21	0.25	0.31	0.37	0.45	0.50	0.56	0.62	0.65	—	—	—	
C: Top of Curbs to Top of C. R. Subgrade	0.48	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

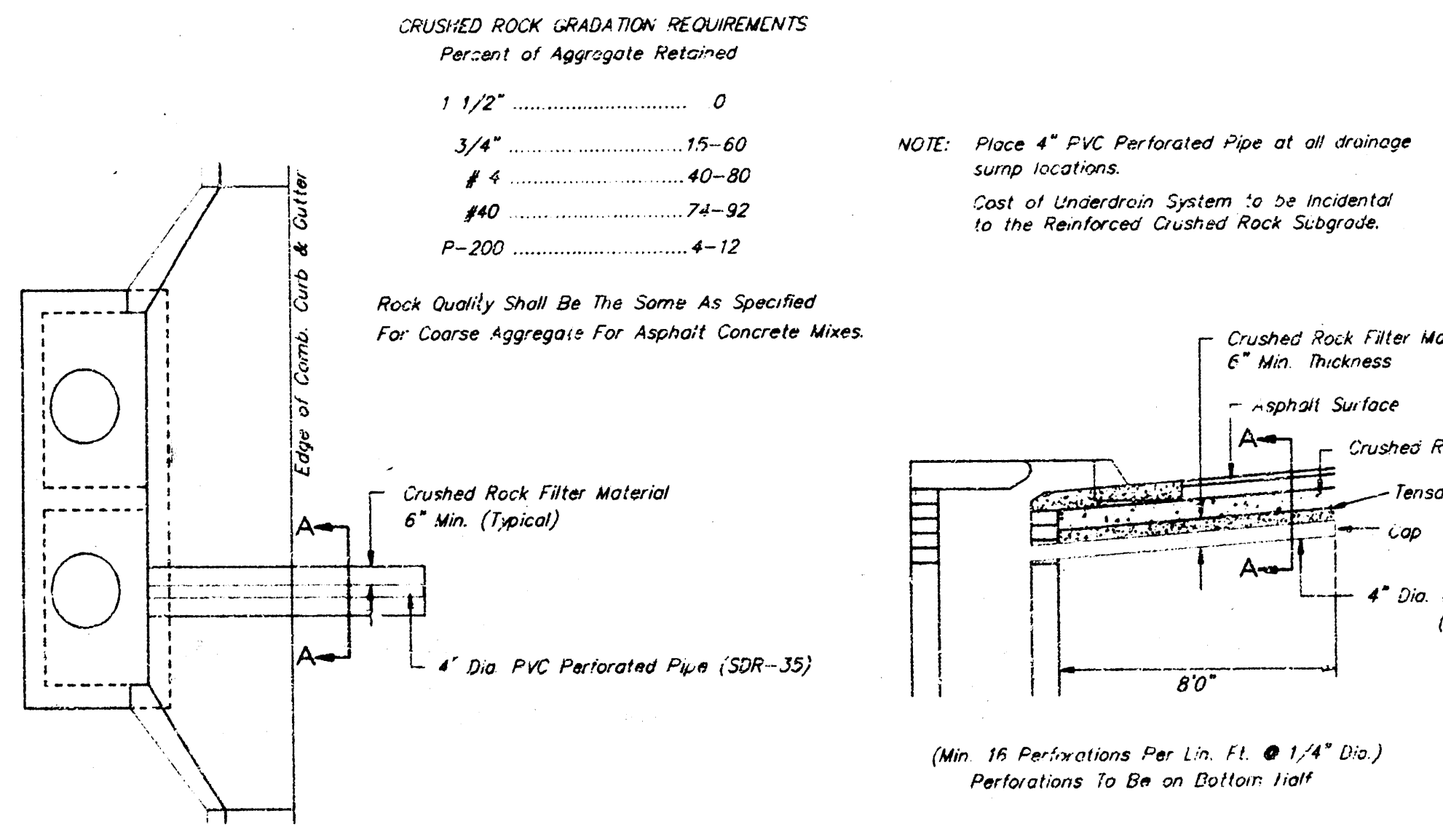


COMBINED ROLL TYPE CURB & GUTTER



TRANSVERSE CONSTRUCTION JOINTS

Transverse construction joints shall be constructed in flexible base pavements at locations where pavement runs 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).



CRUSHED ROCK GRADATION REQUIREMENTS

Percent of Aggregate Retained	Size
100	1 1/2"
15-60	3/4"
40-80	#4
74-92	#40
4-12	#200

SECTION A-A

General Notes

FABRIC BASE REINFORCEMENT SHALL BE 8' X 100' GEOGRID AS MANUFACTURED BY TENSAR CORPORATION OR APPROVED EQUAL. FABRIC BASE REINFORCEMENT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. CRUSHED ROCK SHALL BE UNIFORMLY GRADED FROM 1 1/2" MAXIMUM SIZE TO NOT MORE THAN 10% PASSING A NO. 200 SIEVE. ROCK QUALITY SHALL BE THE SAME AS SPECIFIED FOR COARSE AGGREGATE FOR CONCRETE MIXES.

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 (SOL-100 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, THE COMBINED CURB AND GUTTER SHALL BE PAID AS SQUARE YARDS OF 5" ASPHALTIC CONCRETE (3" BITUMINOUS BASE).

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

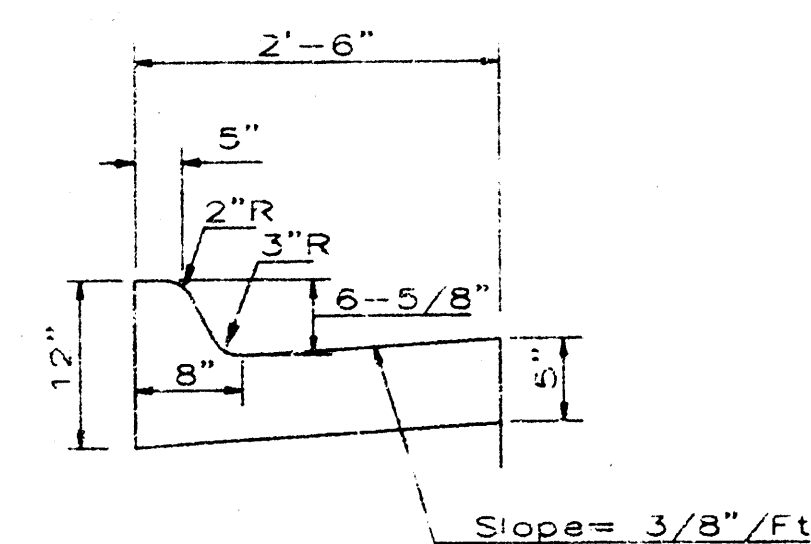
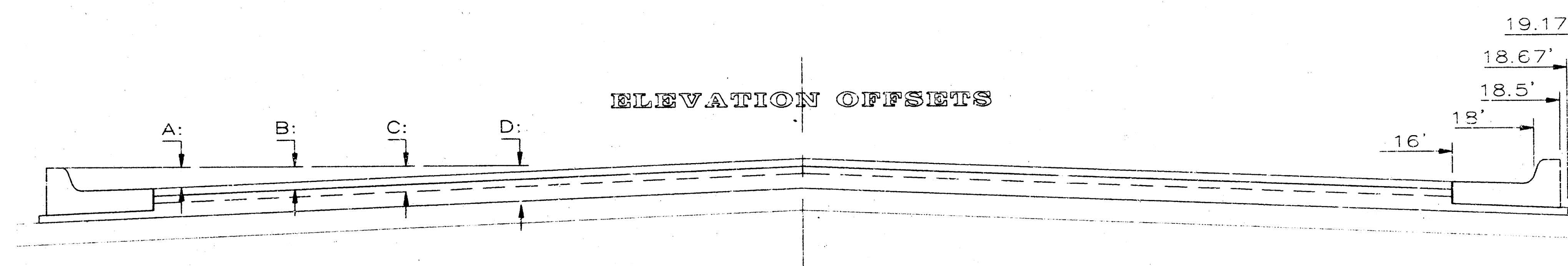
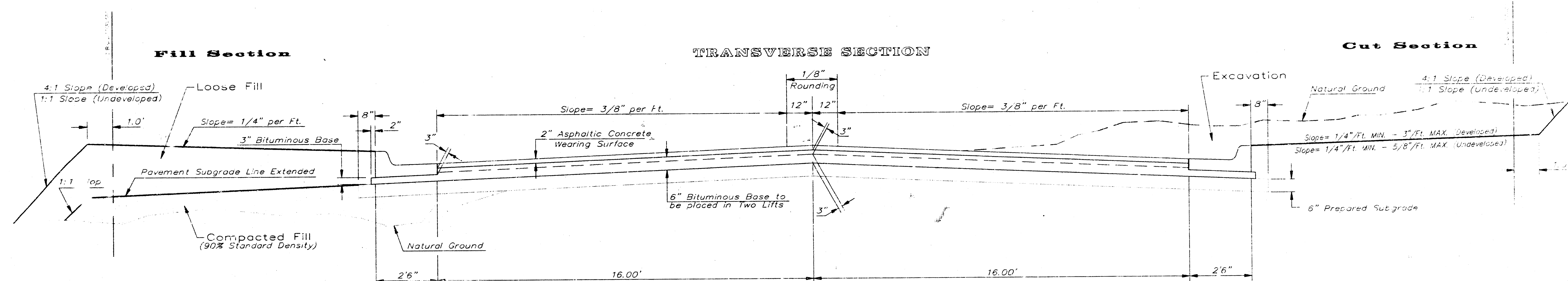
BAUGHMAN COMPANY P. A.
ENGINEERING & SURVEYING
316/262-7271 • 315 ELLIS • WICHITA, KANSAS 67201

PROJECT NUMBER
472 76 245 82220 000 000 001

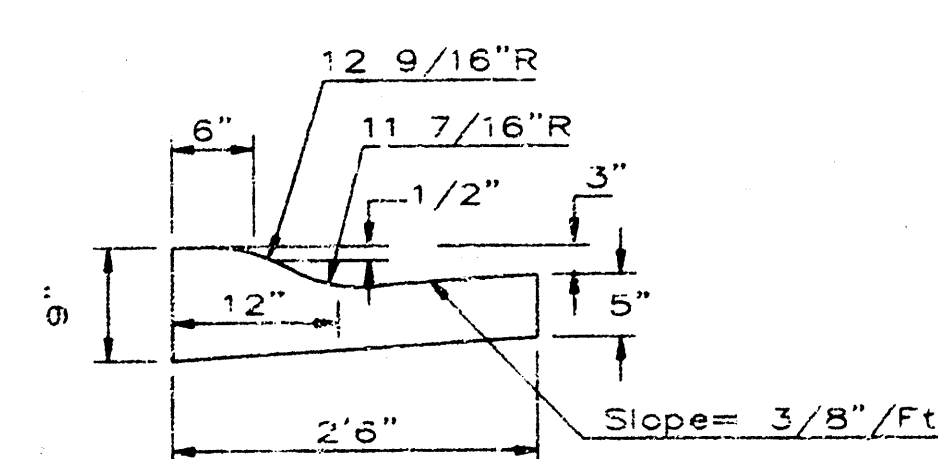
DESIGN DRAWN APPROVED DATE SCALE

3
12

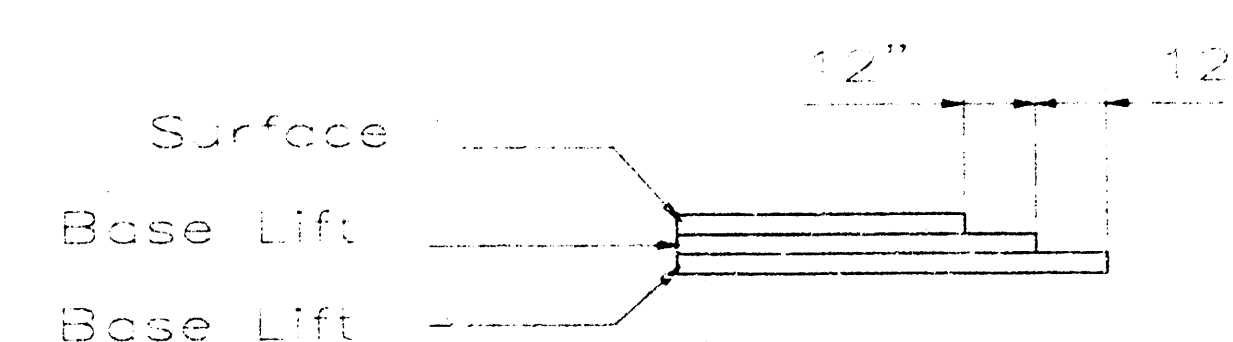
TYPICAL 37' B-B PAVEMENT DETAILS



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 are shown by the detail. All costs associated with the construction of the transverse joint shall be included in the bid price for Square Yards 8\"/>

General Notes

THE ASPHALTIC CONCRETE PAVEMENT BETWEEN THE COMBINED CURB AND GUTTER SHALL BE PAID AS SQUARE YARDS OF 8\"/>

THE BITUMINOUS BASE UNDER AND BEHIND THE COMB CURB AND GUTTER SHALL BE PAID AS SQUARE YARDS OF 3\"/>

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.

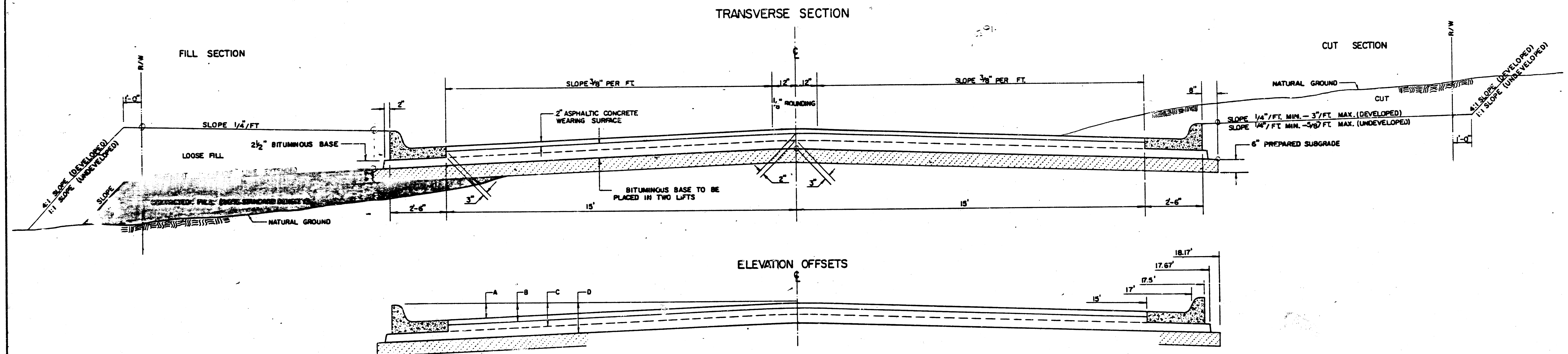
CONSTRUCTION JOINTS IN EACH LIFT SHALL BE STAGGERED A MINIMUM DISTANCE OF ONE (1) FOOT FROM JOINTS IN PRECEDING LIFTS AND PLACED SO THAT A JOINT WILL BE CONSTRUCTED ON THE CENTERLINE OF THE TOP LIFT.

CONTRACTOR TO BID ONLY ONE SUBGRADE TREATMENT ALTERNATE WHEN ALTERNATES ARE PROVIDED IN THE PROPOSAL AND CONTRACT. THE ALTERNATE CHOSEN BY THE SUCCESSFUL BIDDER SHALL BE USED IN CONSTRUCTING THIS PROJECT.

	0'	2'	4'	6'	8'	10'	12'	14'	16'	18'	18.5'	18.67'	19.17'
A: Top of Curbs to Top of Surface Lift	0.01	.05	0.11	0.18	0.24	0.30	0.36	0.43	0.49	-	-	-	-
B: Top of Curbs to Top of Upper Base Lift	0.17	0.22	0.28	0.34	0.40	0.47	0.53	0.59	0.65	-	-	-	-
C: Top of Curbs to Top of Lower Base Lift	0.42	0.47	0.53	0.59	0.65	0.72	0.78	0.84	0.90	0.97	0.98	0.99	-
D: Top of Curbs to Top of Subgrade	0.67	0.72	0.78	0.84	0.90	0.97	1.03	1.09	1.15	1.22	1.23	1.24	1.25

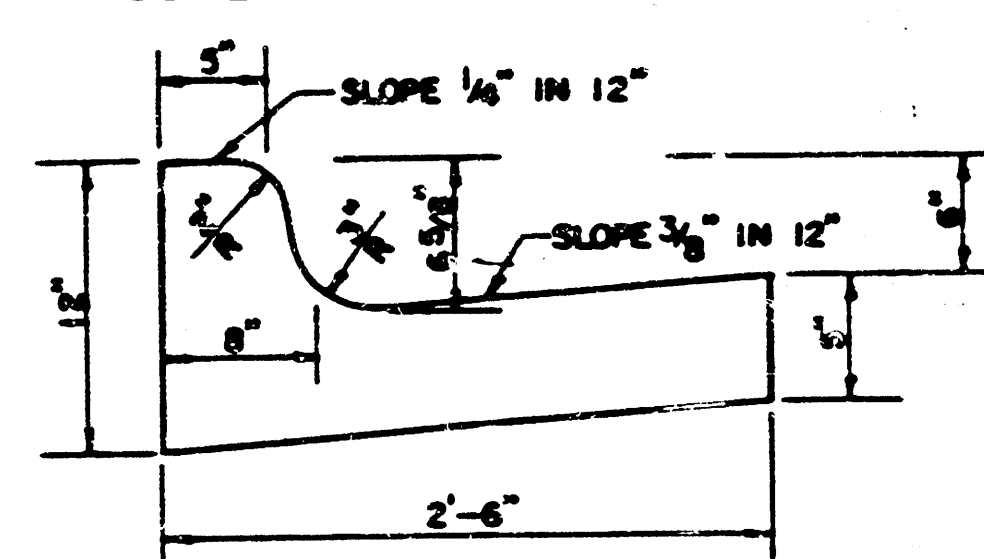
8 INCH Residential Asphaltic Concrete Pavement with 6 INCH Bituminous Base City of Wichita, Kansas			
BAUGHMAN COMPANY P. A. ENGINEERING & SURVEYING 316/262-7271 • 316 ELLIS • WICHITA, KANSAS 67211		REV	
PROJECT NUMBER 472 76 245 82220 000 000 001		SHEET 4	
DESIGN	DRAWN	APPROVED	DATE
SCALE		12	

TYPICAL 35' PAVEMENT DETAILS

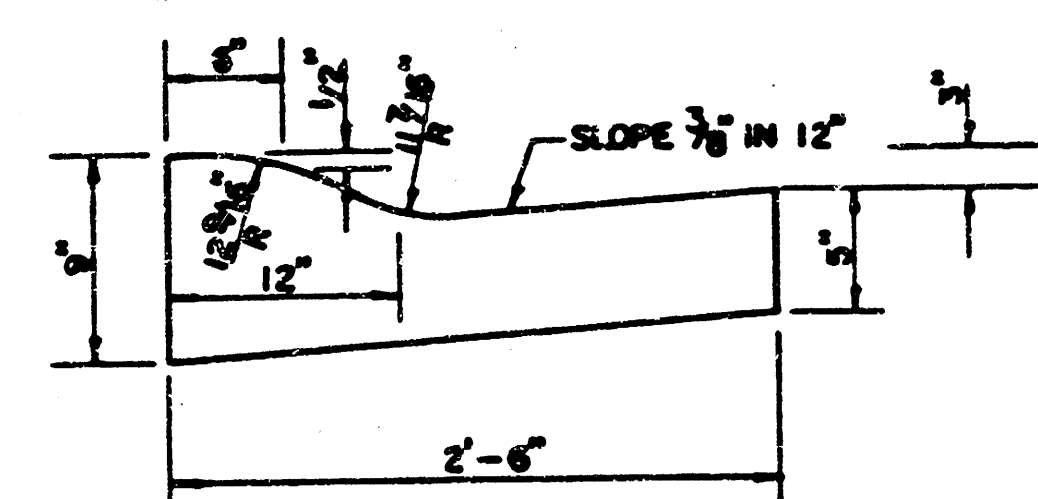


	DISTANCE FROM CENTERLINE (LT. & RT.)													
	0'	2'	4'	6'	8'	10'	12'	14'	15'	17'	17.5'	17.67'	18.17'	
A: TOP OF CURBS TO TOP OF SURFACE LIFT	0.04	0.08	0.14	0.21	0.29	0.33	0.39	0.46	0.49	—	—	—	—	
B: TOP OF CURBS TO TOP OF UPPER BASE LIFT	0.21	0.23	0.31	0.37	0.45	0.50	0.56	0.62	0.65	—	—	—	—	
C: TOP OF CURBS TO TOP OF LOWER BASE LIFT	0.37	0.43	0.50	0.57	0.67	0.72	0.79	0.87	0.90	0.98	1.00	1.00	—	
D: TOP OF CURBS TO TOP OF SUBGRADE	0.62	0.67	0.74	0.81	0.90	0.95	1.02	1.08	1.12	1.19	1.21	1.21	1.23	

COMBINED CURB & GUTTER



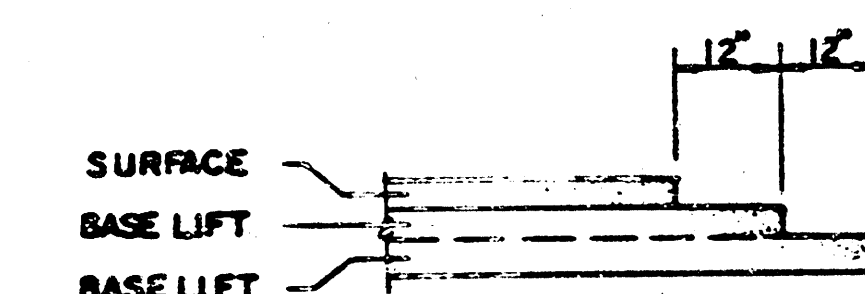
ROLL TYPE COMBINED CURB & GUTTER



GENERAL NOTES

- 1) THE ASPHALTIC CONCRETE PAVEMENT BETWEEN THE COMBINED CURB AND GUTTER SHALL BE PAID AS SQUARE YARDS OF 7" ASPHALTIC CONCRETE (5" BITUMINOUS BASE).
- 2) THE BITUMINOUS BASE UNDER AND BEHIND THE COMBINED CURB AND GUTTER SHALL BE PAID AS SQUARE YARDS OF 2 1/2" BITUMINOUS BASE.
- 3) 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.
- 4) BITUMINOUS BASE AND ASPHALTIC CONCRETE WEARING SURFACE SHALL BE PLACED WITH A LAYDOWN MACHINE HAVING AUTOMATIC CONTROLS FOR LINE AND GRADE.
- 5) 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.
- 6) CONTRACTOR TO BID ONLY ONE SUBGRADE TREATMENT ALTERNATE WHEN ALTERNATES ARE PROVIDED IN THE PROPOSAL AND CONTRACT. THE ALTERNATE CHOSEN BY THE SUCCESSFUL BIDDER SHALL BE USED IN CONSTRUCTING THIS PROJECT.

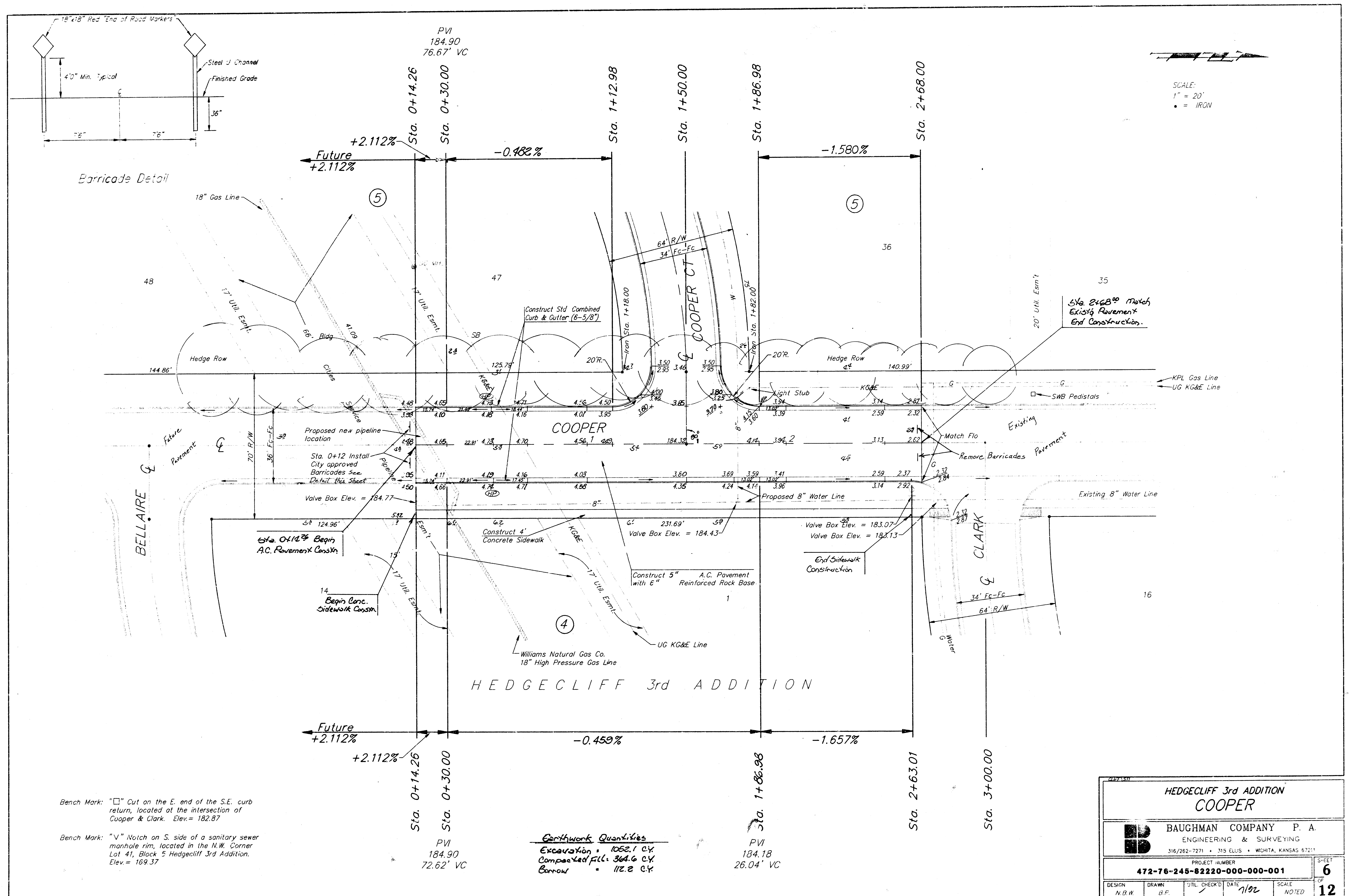
TRANSVERSE CONSTRUCTION JOINTS

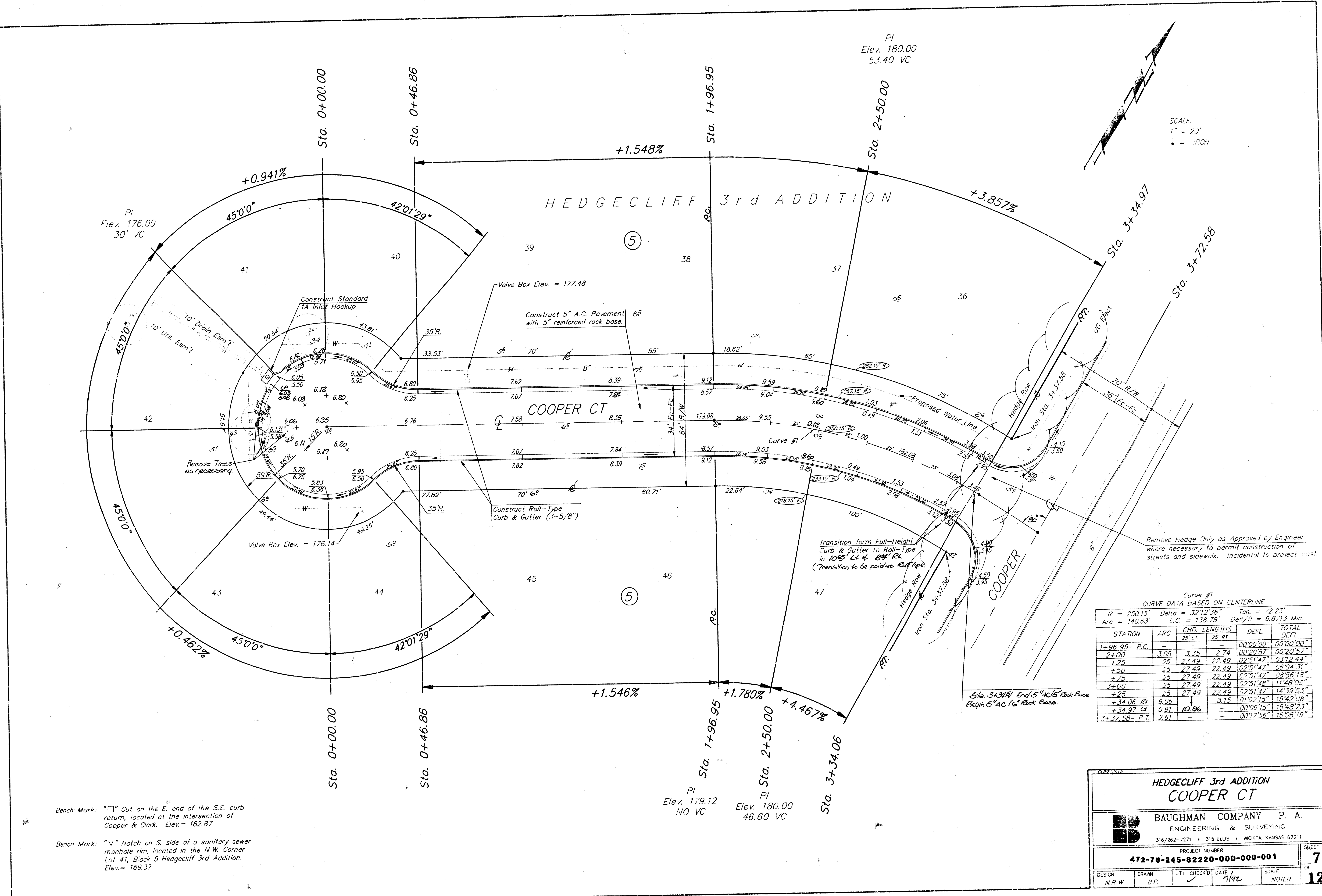


TRANSVERSE CONSTRUCTION JOINTS SHALL BE CONSTRUCTED IN FLEXIBLE BASE PAVEMENTS AT LOCATIONS WHERE PAVEMENT JOINS EXISTING FLEXIBLE BASE PAVEMENT AS SHOWN BY THE DETAIL. ALL COSTS ASSOCIATED WITH THE CONSTRUCTION OF THE TRANSVERSE JOINT SHALL BE INCLUDED IN THE BID PRICE FOR SQUARE YARDS 7" ASPHALTIC CONCRETE (5" BITUMINOUS BASE).

7 INCH RESIDENTIAL ASPHALTIC CONCRETE
PAVEMENT WITH 5 INCH BITUMINOUS BASE
CITY OF WICHITA, KANSAS

PROJECT NUMBER
472-76-248-82220-000-000-001





SCALE:
1" = 20'
• = IRON

Curve #1
CURVE DATA BASED ON CENTERLINE

R = 250.15'	Delta = 32°12'38"	Tan = 12.23'
Arc = 140.63'	L.C. = 138.78'	Defl/ft = 6.8713 Min.

STATION	ARC	CHD. LENGTHS		DEFL.	TOTAL DEFL.
		25' LT.	25' RT.		
1+96.95 - P.C.	-	-	-	00°00'00"	00°00'00"
2+00	3.05	3.35	2.74	00°20'57"	00°20'57"
+25	25	27.49	22.49	02°51'47"	03°12'44"
+50	25	27.49	22.49	02°51'47"	06°04'31"
+75	25	27.49	22.49	02°51'47"	08°56'18"
3+00	25	27.49	22.49	02°51'48"	11°48'06"
+25	25	27.49	22.49	02°51'47"	14°39'53"
+50	25	27.49	22.49	02°51'47"	17°31'40"
+75	25	27.49	22.49	02°51'47"	20°23'27"
3+75 - P.T.	2.61	-	-	00°17'56"	16°06'19"

Bench Mark: "□" Cut on the E. end of the S.E. curb return, located at the intersection of Cooper & Clark. Elev. = 182.87

Bench Mark: "V" Notch on S. side of a sanitary sewer manhole rim, located in the N.W. Corner Lot 41, Block 5 Hedgecliff 3rd Addition. Elev. = 169.37

HEDGECLIFF 3rd ADDITION
COOPER CT

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

PROJECT NUMBER
472-76-245-82220-000-000-001

DESIGN N.A.W. DRAWN B.P. UTIL. CHECKED DATE 7/92 SCALE NOTED

SHEET 7

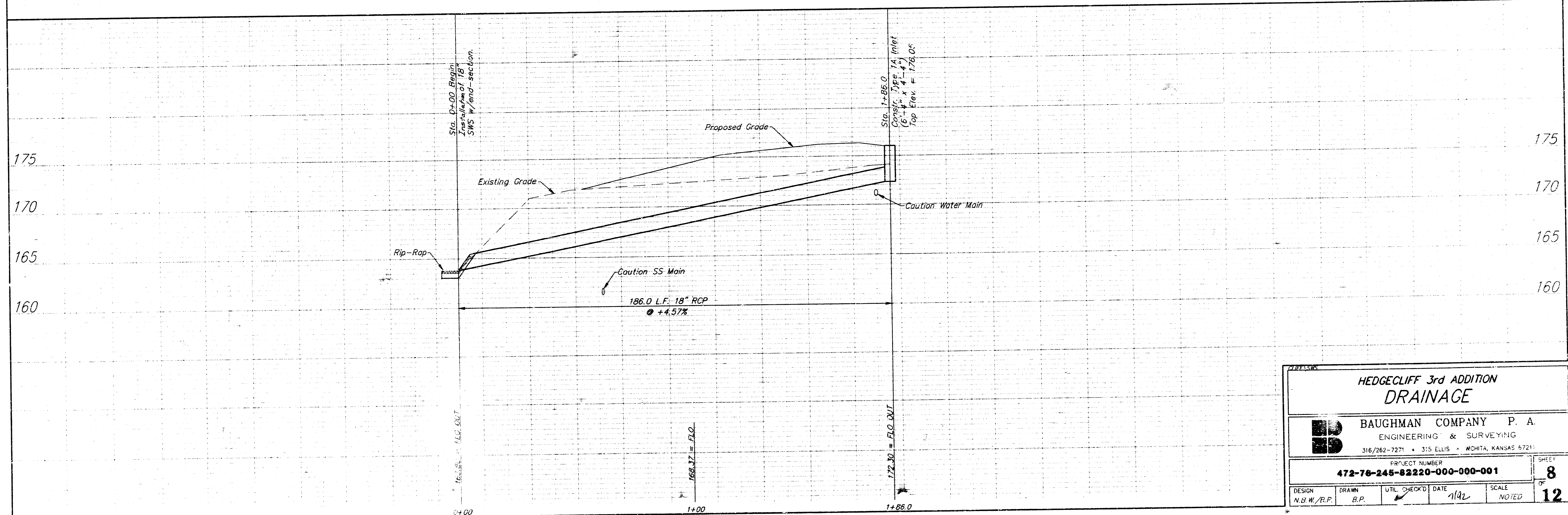
OF 12

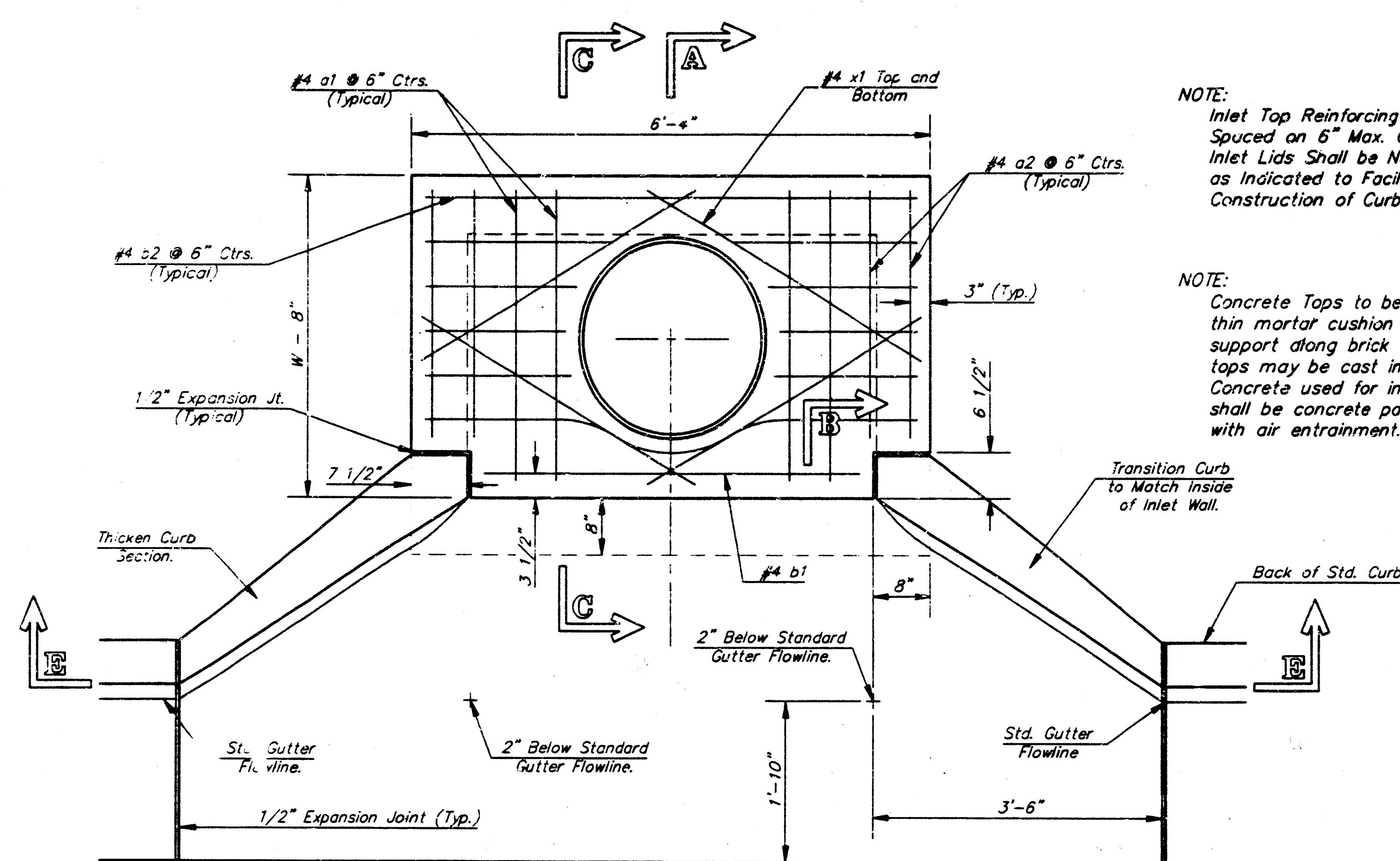
Bench Mark: "V" Notch on S. side of a sanitary sewer manhole rim, located in the N.W. Corner Lot 41, Block 5 Hedgecliff 3rd Addition.
Elev. = 169.37

HEDGECLIFF 3RD ADDITION

⑤
Sta. 1+86.0
Constr. Type 1A Inlet
(6'-4" x 4'-4")
Top Elev. = 176.05

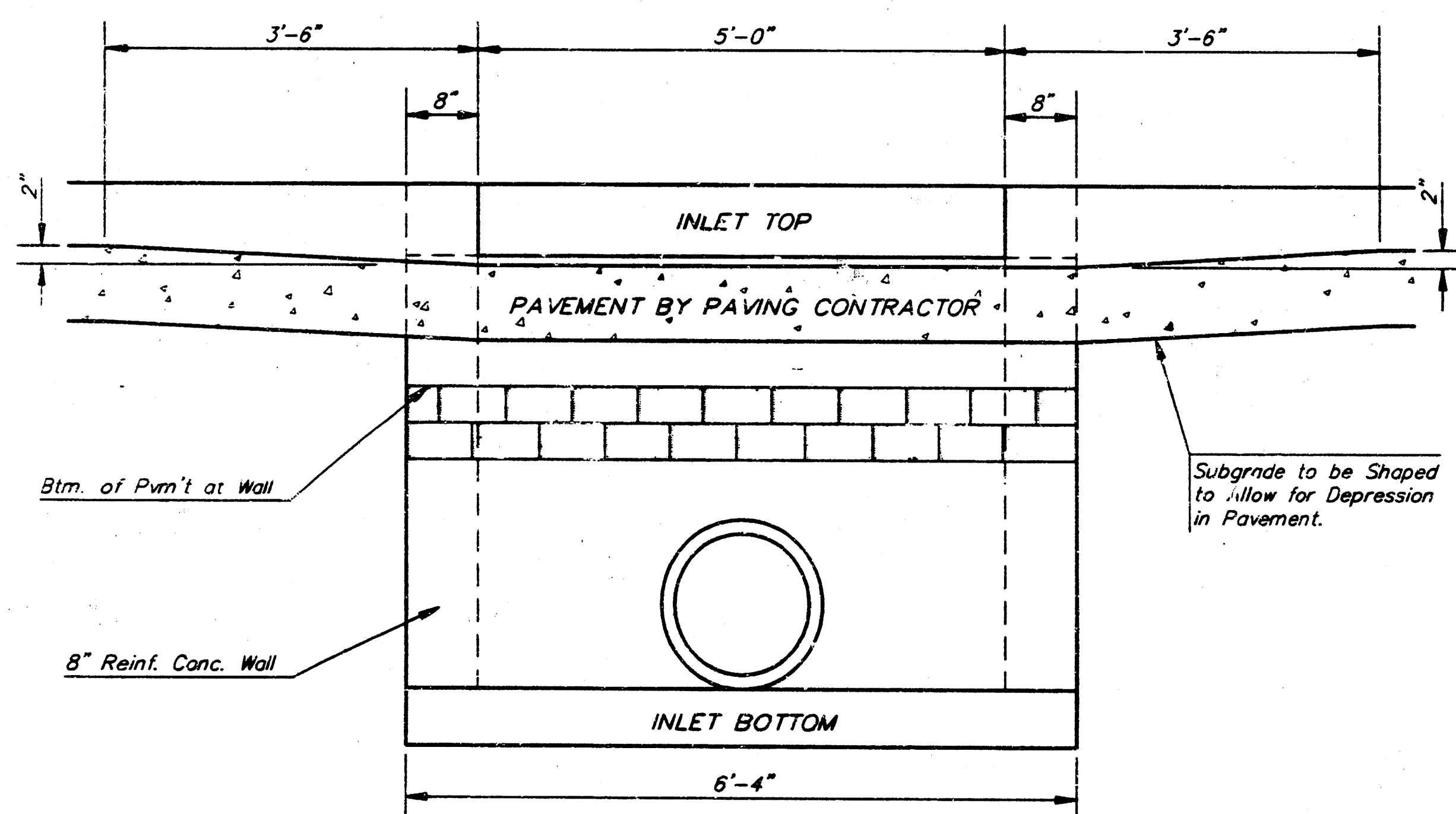
SCALE:
1" = 20' HORIZONTAL
1" = 5' VERTICAL
• = IRON



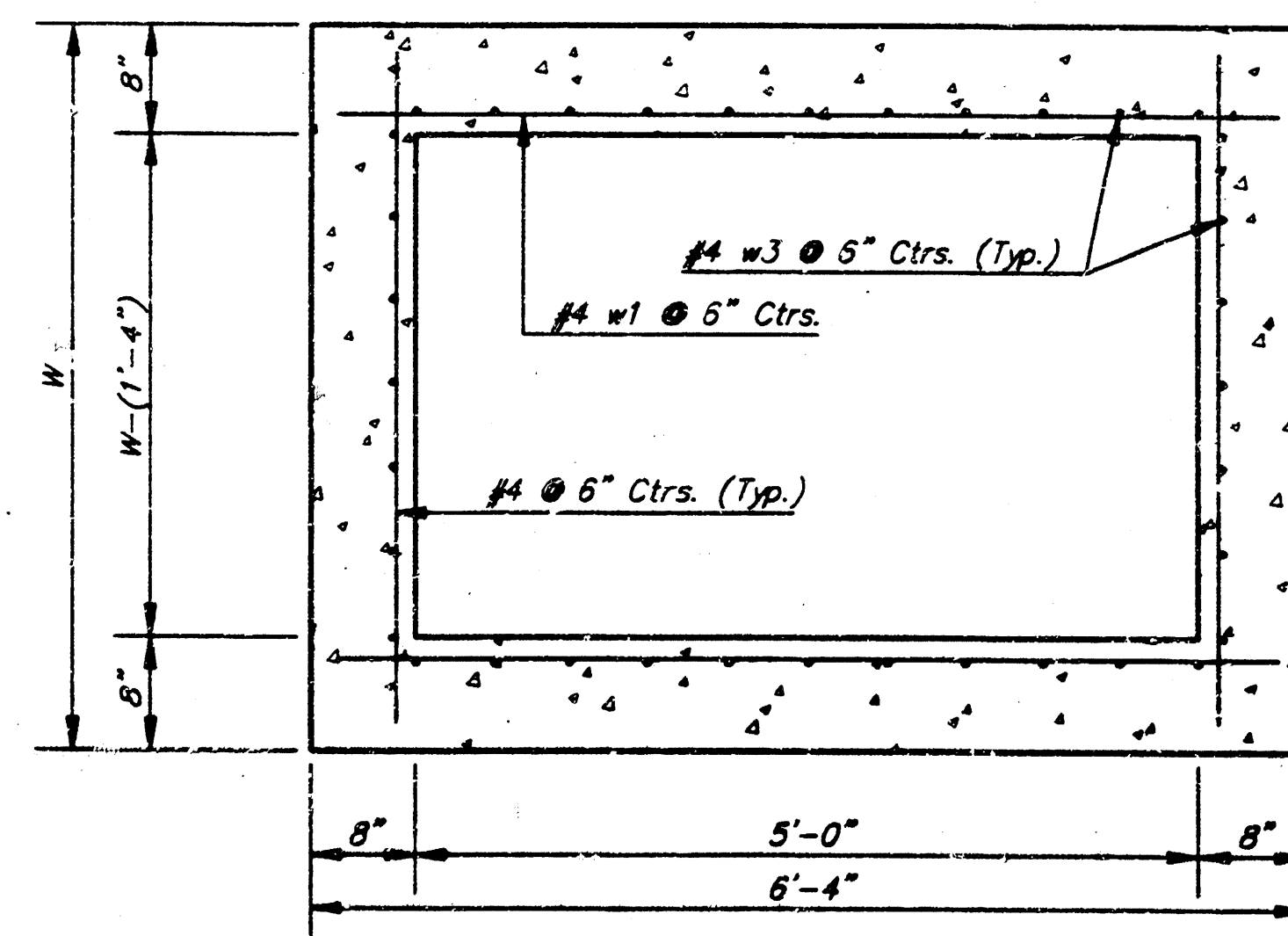


NOTE: Expansion Joint Only in Curb Area With Concrete Pavement.

PLAN



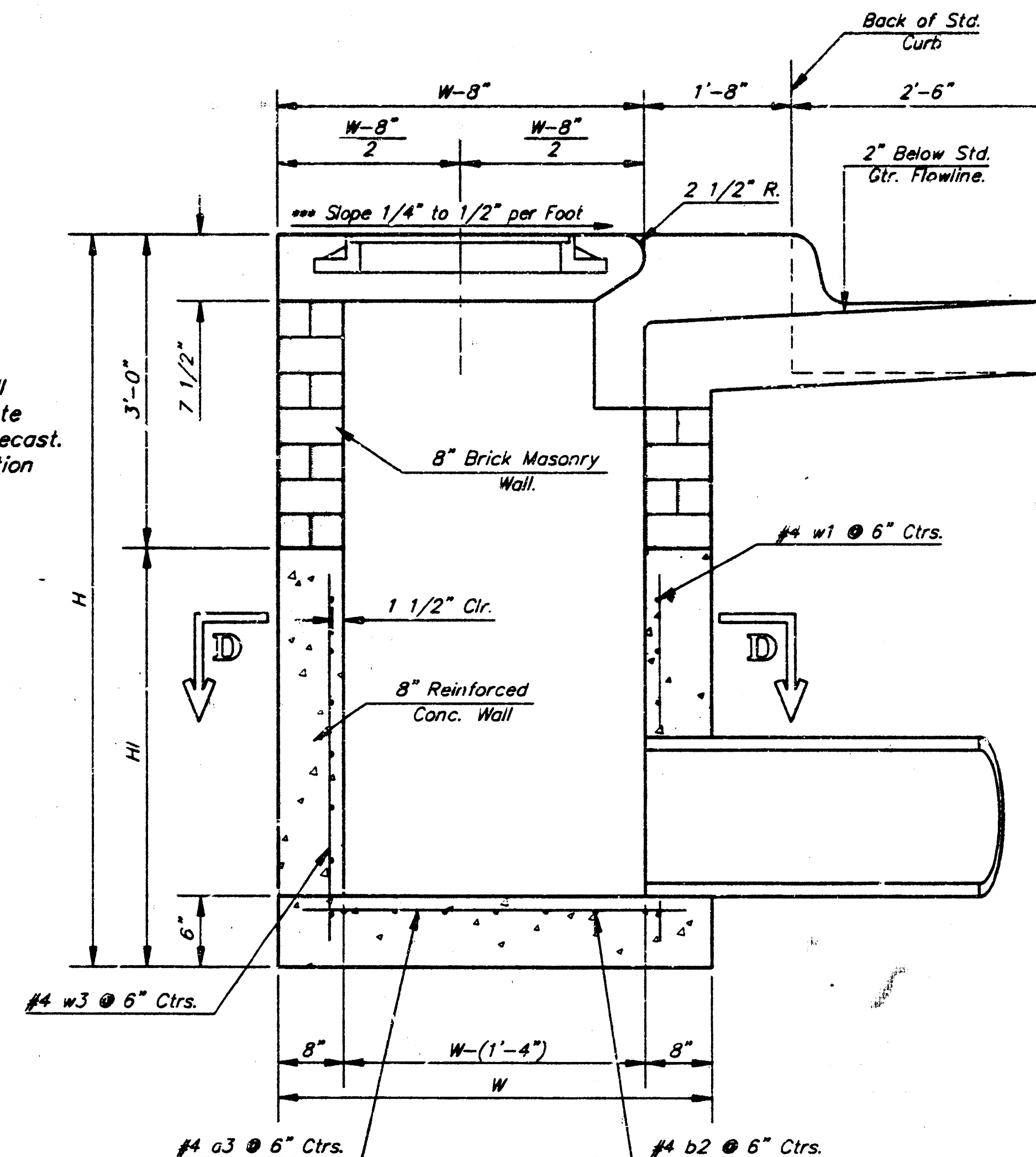
SECTION E-E



SECTION D-D

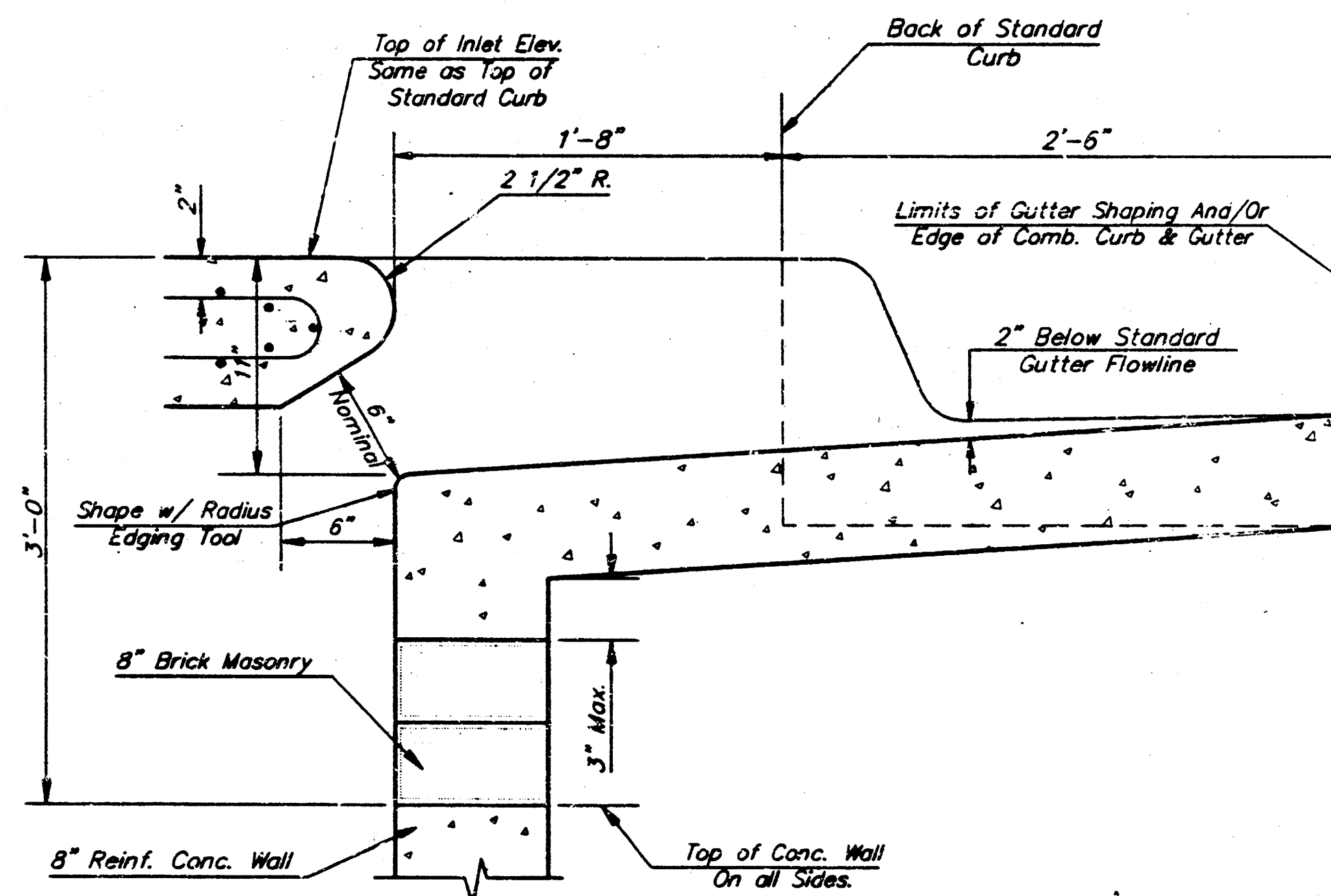
NOTE: Inlet Top Reinforcing shall be Spaced on 6" Max. Centers. Inlet Lids Shall be Notched Out as Indicated to Facilitate Construction of Curb.

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

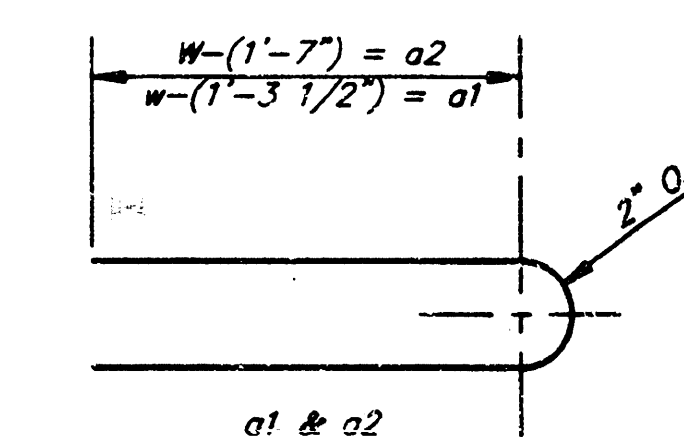
NOTE: Slope of Inlet tops to Match Sidewalk or Parking Slopes within Limits Indicated.



SECTION B-B

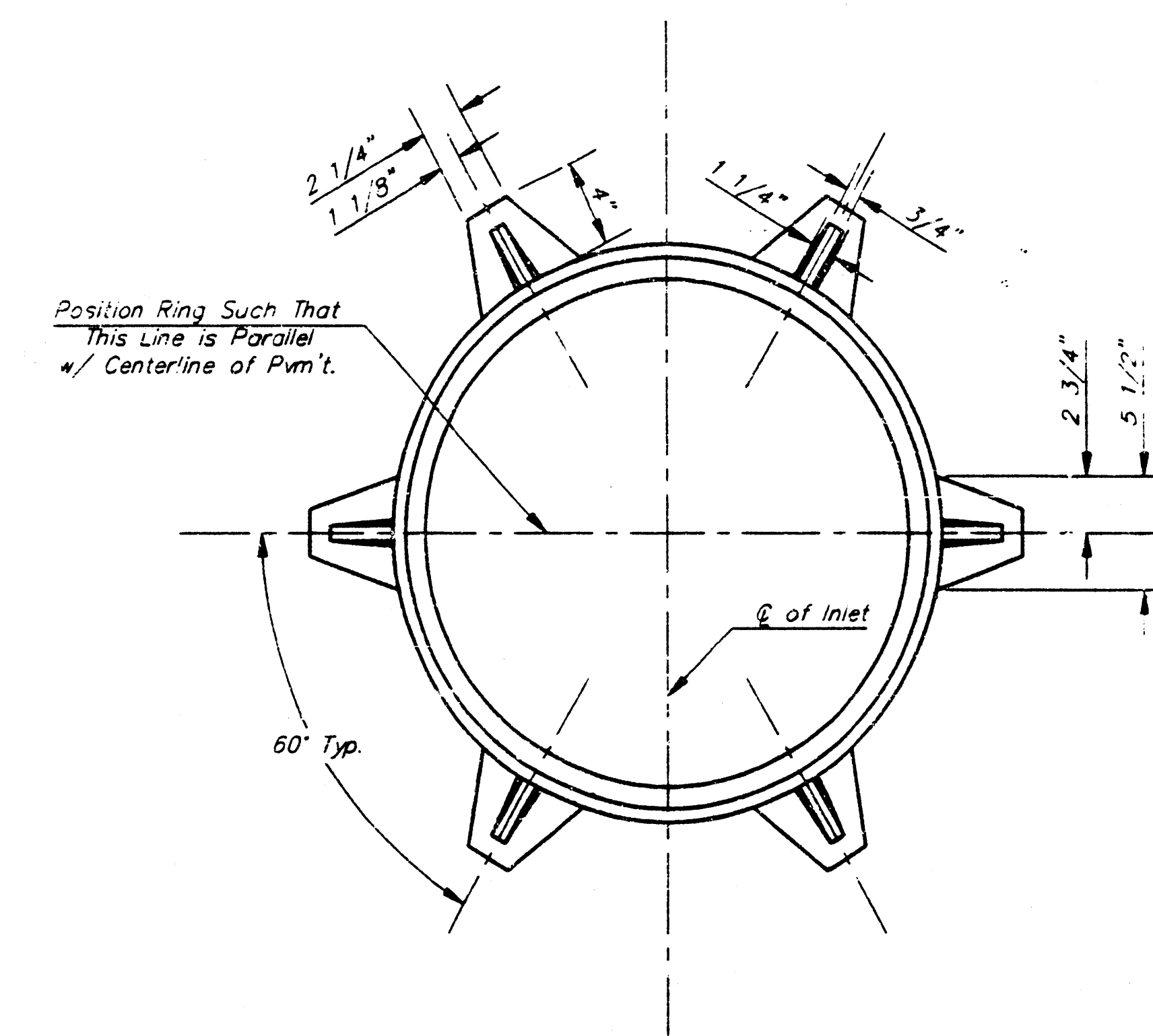
PRECAST SLAB AND FLOOR REINFORCING											
W = 4'-4"			W = 5'-4"			W = 6'-4"			W = 7'-4"		
MARK	SIZE	NO.	MARK	SIZE	NO.	MARK	SIZE	NO.	MARK	SIZE	NO.
a1	#4	6	a1	#4	6	a1	#4	6	a1	#4	6
a2	#4	4	a2	#4	4	a2	#4	4	a2	#4	4
a3	#4	13	a3	#4	13	a3	#4	13	a3	#4	13
b1	#4	1	b1	#4	1	b1	#4	1	b1	#4	1
b2	#4	23	b2	#4	29	b2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

* Field Band or Cut Reinforcing as Required for Clearance.
① 4 (18 - 12") (18 - 21") Rounded down to nearest 0.5"
② H - 3"



BENDING DIAGRAM

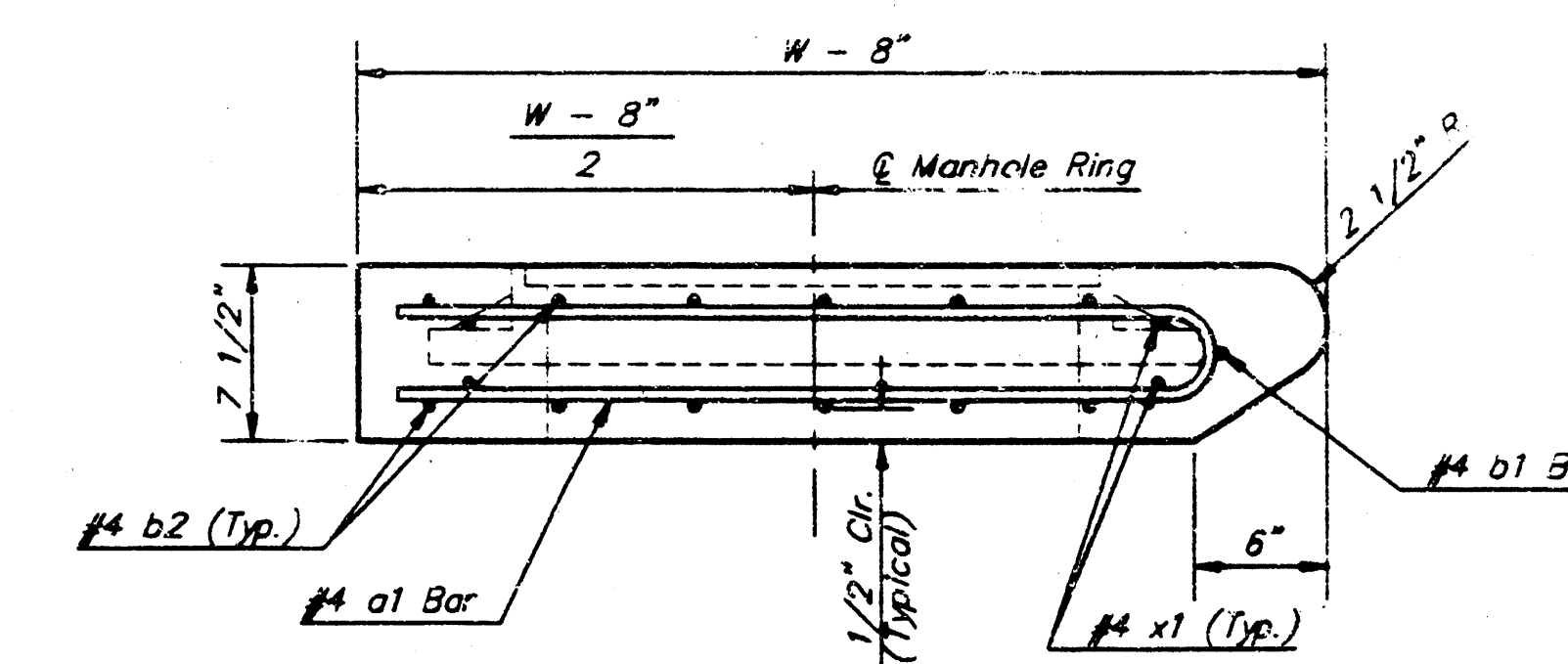
STANDARD CURB INLET PRECAST TOPS			
W	PRE-CAST TOP SIZE	PIPE SIZE	CL. YD. CONC.
4'-4"	3'-8" x 5'-4" x 7 1/2"	24" & SMALLER	0.38±
5'-4"	4'-8" x 6'-4" x 7 1/2"	24" & 30"	0.51±
6'-4"	5'-8" x 6'-4" x 7 1/2"	36" & 42"	0.64±
7'-4"	6'-8" x 6'-4" x 7 1/2"	48" & 54"	0.77±
8'-4"	7'-8" x 6'-4" x 7 1/2"	60" & 66"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



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.

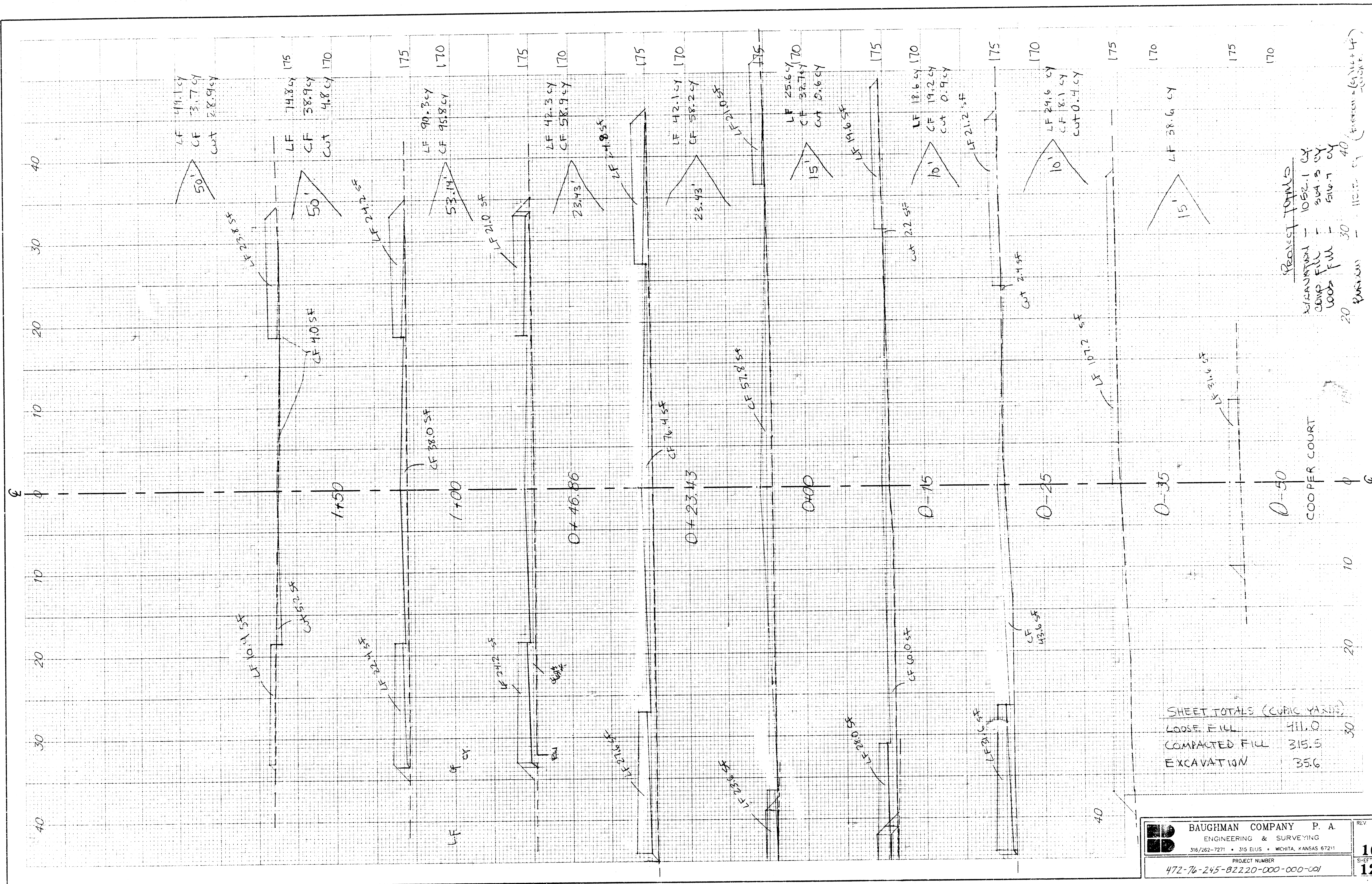


SECTION A-A

Revised - Feb. 16, 1989

CITY OF WICHITA STANDARD TYPE 1A
CURB INLET DETAILS
INLET OPENING = 6" x 5'-0"

PROJECT NUMBER
472-76-245-82220-000-001
SHEET 9/12
BAUGHMAN COMPANY P. A.
ENGINEERING & SURVEYING
316/282-7271 • 315 ELLIS • WICHITA, KANSAS 67211

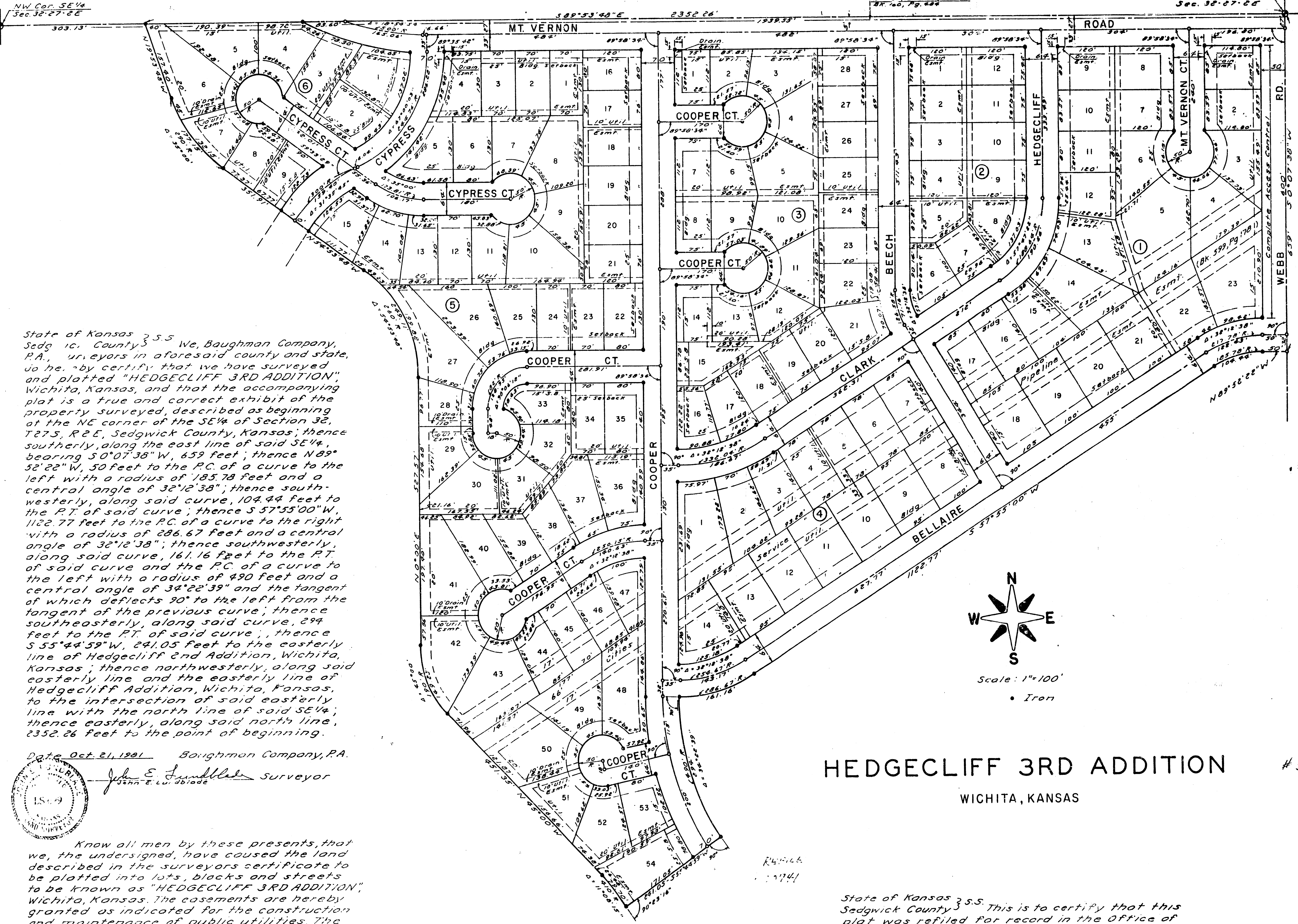


PROJECT TOTALS
 EXCAVATION - 1052.1 CY
 COMP. FILL - 304.3 CY
 LOOSE FILL - 516.7 CY
 20% BURIED - 112.7 CY
 40% BURIED - 112.7 CY
 60% BURIED - 112.7 CY

[illegible]

472-76-245-82270-000-000-00

R-1 3-29 R-1 3-29 R-1 3-29 R-1 3-29



State of Kansas } S.S. We, Baughman Company, P.A., surveyors in aforesaid county and state, do hereby certify that we have surveyed and plotted "HEDGECLIFF 3RD ADDITION", Wichita, Kansas, and that the accompanying plat is a true and correct exhibit of the property surveyed, described as beginning at the NE corner of the SE 1/4 of Section 32, T27S, R2E, Sedgwick County, Kansas; thence southerly, along the east line of said SE 1/4, bearing S 0° 07' 36" W, 659 feet; thence N 69° 32' 22" W, 50 feet to the P.C. of a curve to the left with a radius of 185.78 feet and a central angle of 32° 12' 38"; thence southwesterly, along said curve, 104.44 feet to the P.T. of said curve; thence S 57° 55' 00" W, 112.77 feet to the P.C. of a curve to the right with a radius of 286.67 feet and a central angle of 32° 12' 38"; thence southwesterly, along said curve, 161.16 feet to the P.T. of said curve and the P.C. of a curve to the left with a radius of 490 feet and a central angle of 34° 22' 39" and the tangent of which deflects 90° to the left from the tangent of the previous curve; thence southeasterly, along said curve, 294 feet to the P.T. of said curve; thence S 55° 44' 59" W, 241.05 feet to the easterly line of Hedgecliff 2nd Addition, Wichita, Kansas; thence northwesterly, along said easterly line and the easterly line of Hedgecliff Addition, Wichita, Kansas, to the intersection of said easterly line with the north line of said SE 1/4; thence easterly, along said north line, 2352.26 feet to the point of beginning.

Date Oct. 21, 1981 Baughman Company, P.A.
John E. Lundblom Surveyor

Know all men by these presents, that we, the undersigned, have caused the land described in the surveyors certificate to be plotted into lots, blocks and streets to be known as "HEDGECLIFF 3RD ADDITION", Wichita, Kansas. The easements are hereby granted as indicated for the construction and maintenance of public utilities. The streets are hereby dedicated to and for the use of the public. All abutters rights of access to Webb Rd. over and across the east line of Block 1 are hereby granted to the City of Wichita, Kansas.
The Fidelity Investment Co.
President
Kessler Bros., Inc.
President

State of Kansas } S.S. The foregoing instrument was acknowledged before me this 1st day of October, 1981, by The Fidelity Investment Co. by Ivan R. Salyer, President, and Kessler Bros., Inc. by Frank Kessler, President.
Notary Public
My Commission Expires 10-7-85

HEDGECLIFF 3RD ADDITION

WICHITA, KANSAS

State of Kansas } S.S. This is to certify that this plat was refiled for record in the Office of the Register of Deeds this 11th day of October, 1982, at 11:00 o'clock, A.M., to correct the front lot dimensions of Lot 12, Blk. 1 from 55.51 feet to 51.94 feet, and Lot 54, Blk. 5 from 75 feet to 78.80 feet.
Register of Deeds
Deputy

This plat of "HEDGECLIFF 3RD ADDITION", Wichita, Kansas, has been submitted to and approved by the Wichita Sedgwick County Metropolitan Area Planning Commission, Wichita, Kansas, dated this 21st day of May, 1981.

Wichita Sedgwick County Metropolitan Area Planning Commission
Vice Chairman
Secretary

This plat approved and all dedications shown hereon accepted by the Board of City Commissioners, Wichita, Kansas, this 24th day of May, 1981.

Mayor
City Clerk

This plat approved and all dedications shown hereon accepted by the Board of County Commissioners, Sedgwick County, Kansas, this 27th day of February, 1982.

Chairman
Commissioner
Commissioner
County Clerk

Entered on transfer record this 3 day of FEB, 1982.
County Clerk

State of Kansas } S.S. This is to certify that this plat has been filed for record in the Office of the Register of Deeds this 21st day of FEBRUARY, 1981, at 11:22 o'clock, A.M., and is duly recorded.

Register of Deeds
Deputy

RECEIVED
20.00
21.00

S-1 3-26 R-1 3-29 R-1 3-29 R-1 3-29