

GENERAL NOTES:

1. Notify the following companies prior to any excavation:

Arkla Gas Company 942-8350
Bell Telephone 268-2236
Cablevision 269-3340
Gas Service Company 263-7511
Kansas Gas & Electric 261-6375
Kansas One-Call 1-800-344-7233

2. 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.

3. 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 or a licensed professional engineer in accordance with state laws.

4. 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.

CONSTRUCTION PLANS FOR STREET IMPROVEMENTS

WESTLINK VILLAGE 16TH ADDITION TO THE CITY OF WICHITA, KANSAS

19TH STREET NORTH FROM W. LINE OF LOT 24 BLOCK 7 TO
THE E. LINE OF LOT 9 BLOCK 2

INDEX NO. 608141

PROJECT NO. 472-76-245-81591-000-000-001

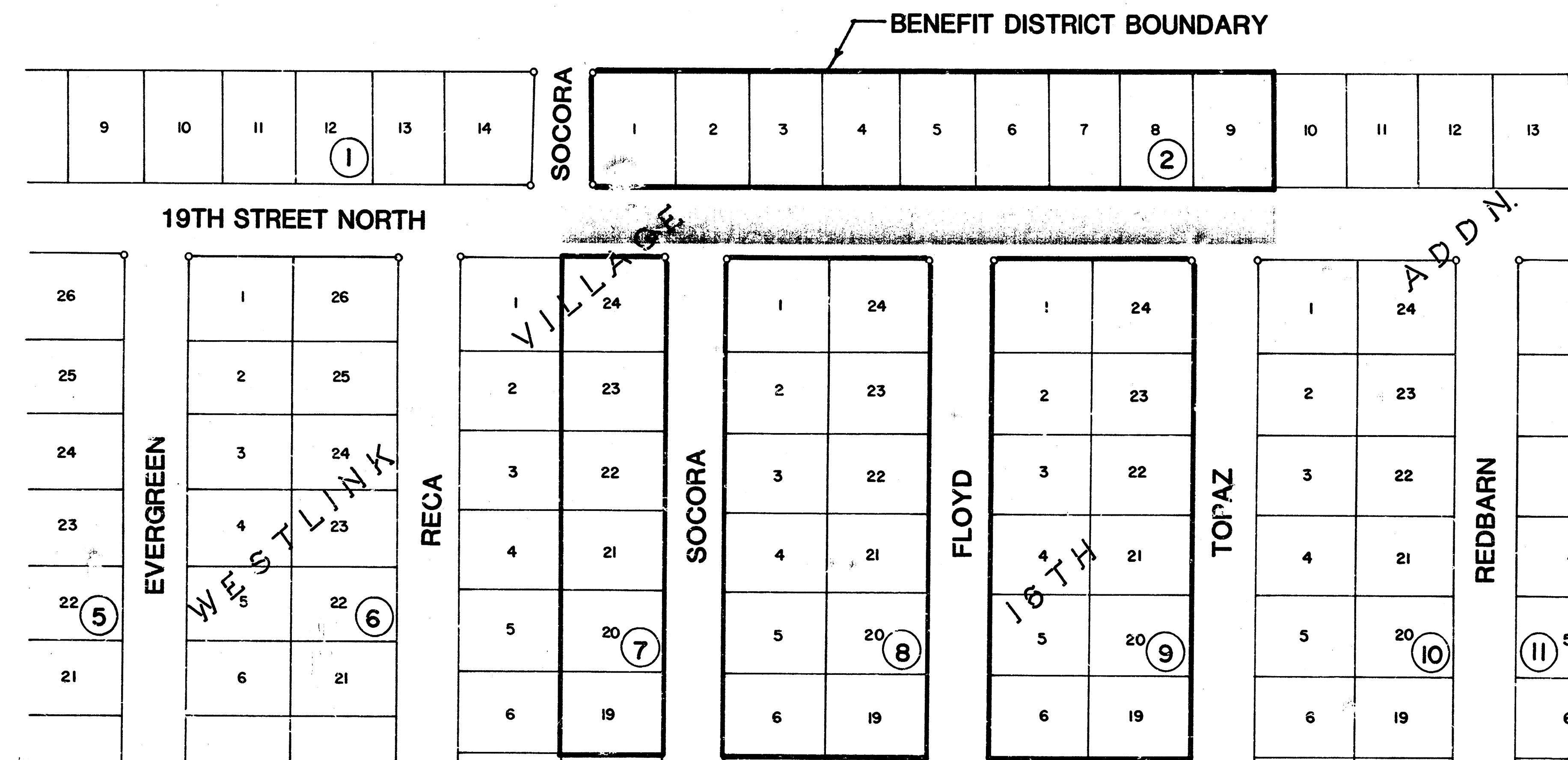
MICHAEL E. LINDEBAK, P. E. - CITY ENGINEER

INDEX

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BENCH MARKS

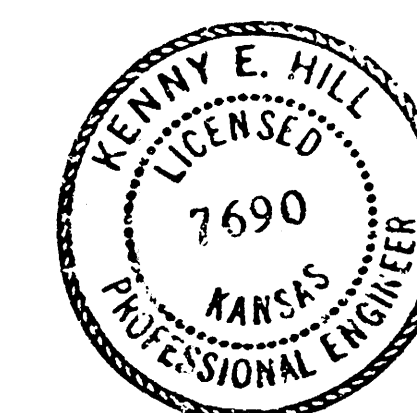
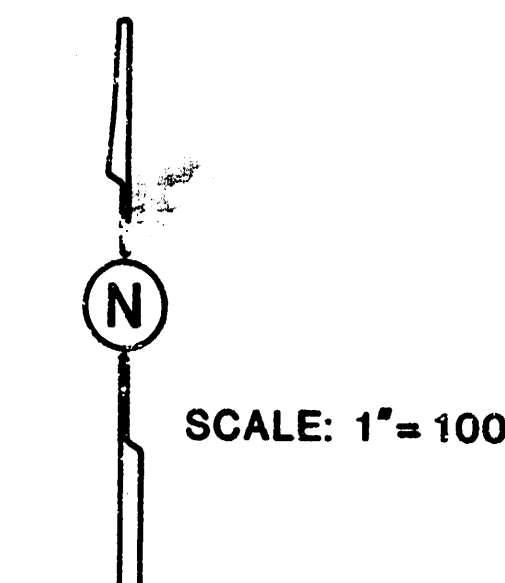
- B.M. 169.949 City of Wichita Standard Disk, 30' West and 90' South of Centerline Tyler and 21ST ST.
- B.M. 161.34 "X" Cut on S.E. Cor. Ch. Inlet at S.W. Cor. of 19TH and Rea.
- B.M. 159.83 "X" Cut on N.E. Cor. Ch. Inlet at N.W. Cor. 17TH and Topaz.



NOVEMBER 1986

PLANS PREPARED
BY

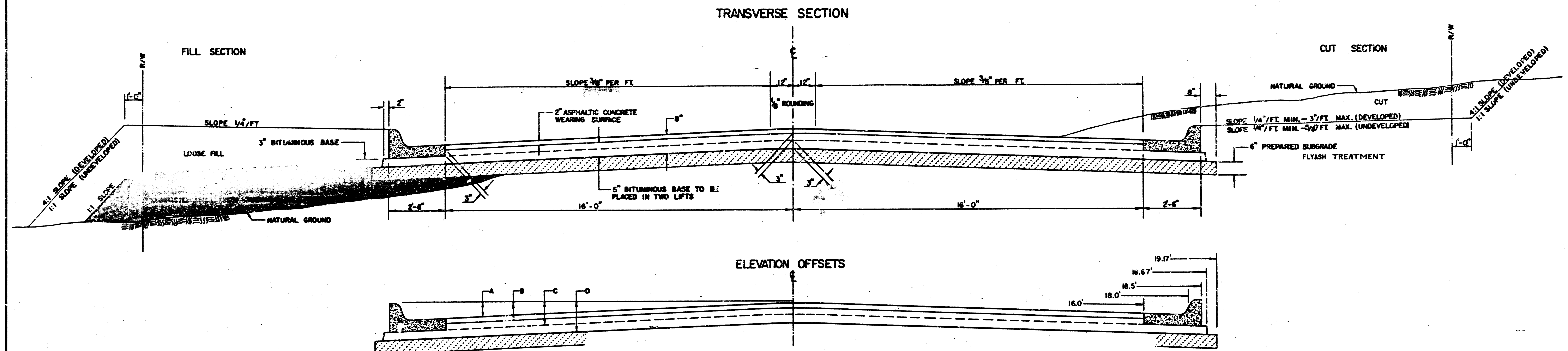
POE & ASSOCIATES OF KANSAS INC.
CONSULTING ENGINEERS
434 N. Oliver, Suite 110 • Wichita, KS 67208 • 316/665-4114



Sheet No. 1 of 8

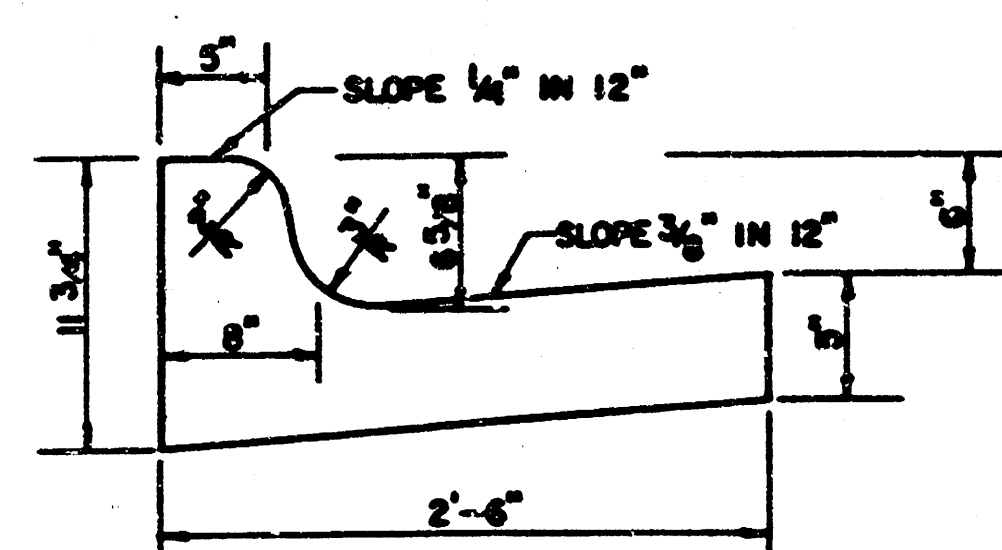
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TYPICAL 37' PAVEMENT DETAILS

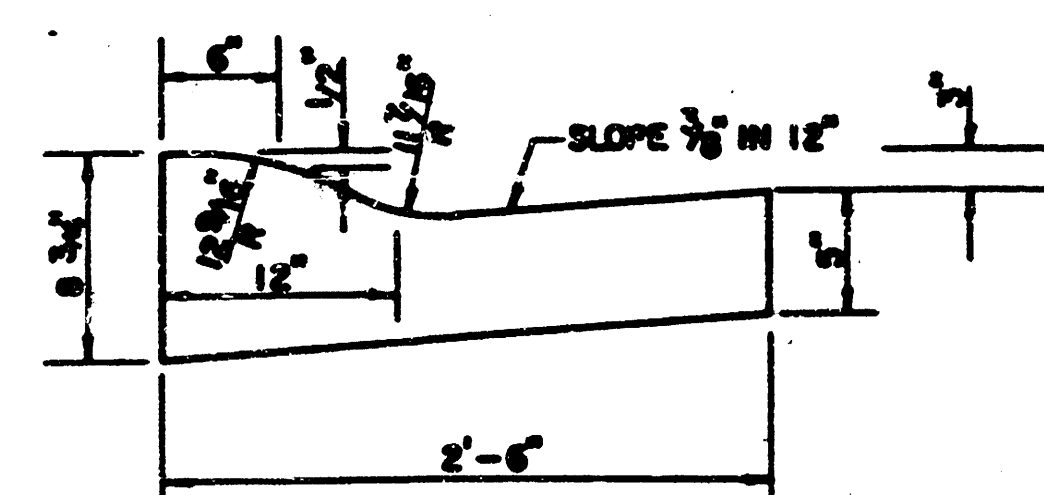


	DISTANCE FROM CENTERLINE (L.T. & RT.)												
	0	2	4	6	8	10	12	14	16	18	18.5	18.67	19.17
A: TOP OF CURBS TO TOP OF SURFACE LIFT	.01	.05	.11	.18	.24	.30	.36	.43	.49	—	—	—	—
B: TOP OF CURBS TO TOP OF UPPER BASE LIFT	.17	.22	.28	.34	.40	.47	.53	.59	.65	—	—	—	—
C: TOP OF CURBS TO TOP OF LOWER BASE LIFT	.42	.47	.53	.59	.65	.72	.78	.84	.90	.97	.98	.99	—
D: TOP OF CURBS TO TOP OF SUBGRADE	.67	.72	.78	.84	.90	.97	1.03	1.09	1.15	1.22	1.23	1.24	1.25

COMBINED CURB & GUTTER



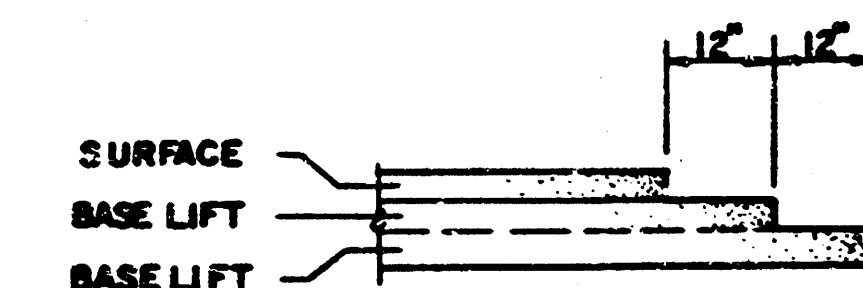
ROLL TYPE COMBINED CURB & GUTTER



GENERAL NOTES

- 1) THE ASPHALTIC CONCRETE PAVEMENT BETWEEN THE COMBINED CURB AND GUTTER SHALL BE PAID AS SQUARE YARDS OF 8" ASPHALTIC CONCRETE (6" BITUMINOUS BASE).
- 2) THE BITUMINOUS BASE UNDER AND BEHIND THE COMBINED CURB AND GUTTER SHALL BE PAID AS SQUARE YARDS OF 3" 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 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 8" ASPHALTIC CONCRETE (6" BITUMINOUS BASE).

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ENGINEER

DATE

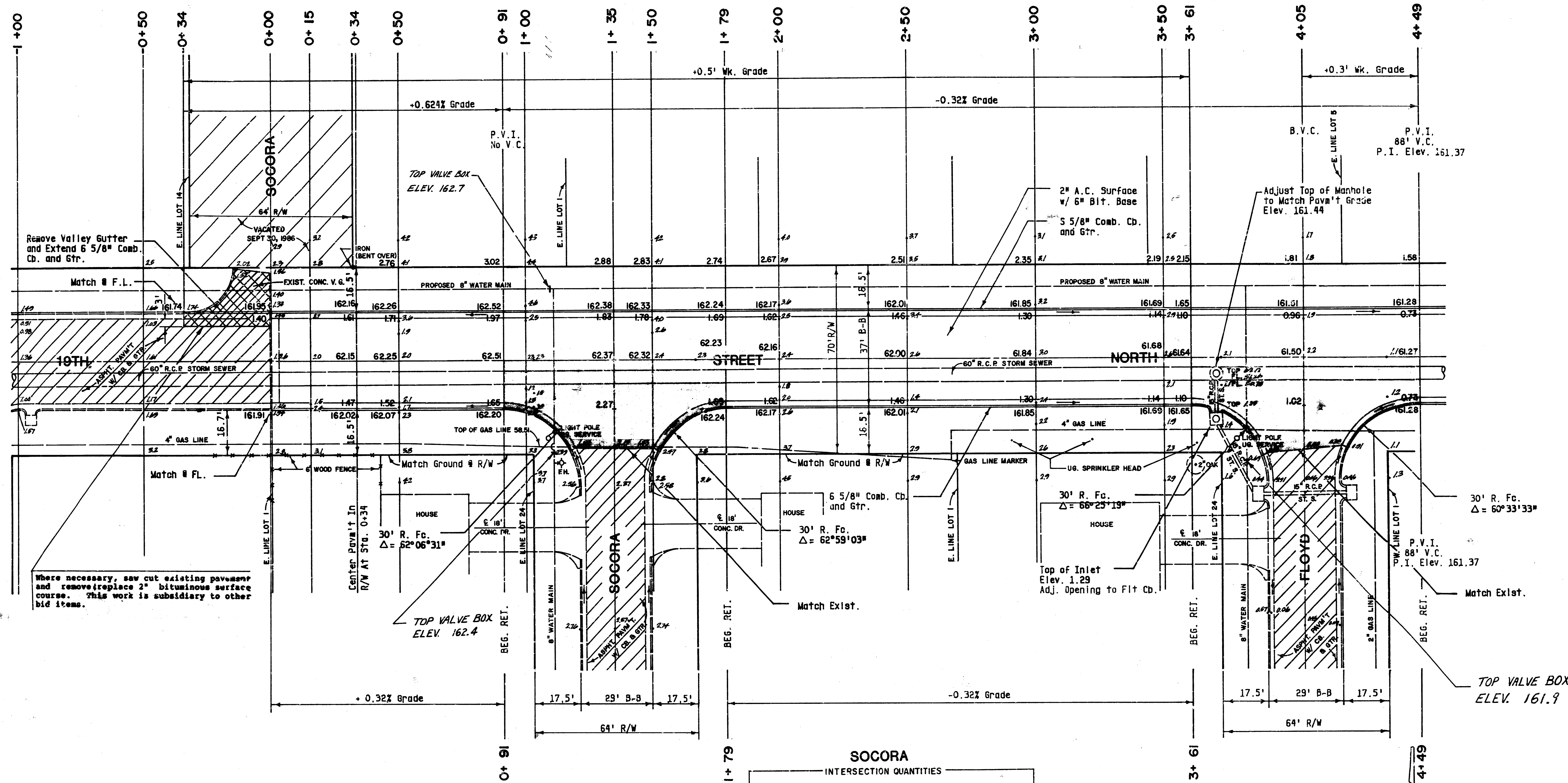
SHEET

2 of 8

8 INCH RESIDENTIAL ASPHALTIC CONCRETE
PAVEMENT WITH 6 INCH BITUMINOUS BASE
CITY OF WICHITA, KANSAS

PROJECT NUMBER
472-76-245-8591-000-000-001

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Remove Valley Gutter and Extend 6 5/8" Comb. Cd. and Gtr.

Where necessary, saw cut existing pavement and remove/replace 2" bituminous surface course. This work is subsidiary to other bid items.

ADJUSTMENTS

TYPE	STA.	OFFSET	EXISTING ELEVATION	ADJUST TO ELEVATION
WATER VALVE	1+11	27.0 LEFT	*	162.7
WATER VALVE	1+11	33.8 RIGHT	*	162.4
WATER VALVE	3+82.7	37.8 RIGHT	*	161.9
WATER VALVE	5+72.0	27.0 LEFT	*	160.1

SOCORA INTERSECTION QUANTITIES

— S.Y. 2" Asphalt Surface	248.2
— S.Y. 6" Asphaltic Conc. Pavement (6" Bituminous Base)	191.1
— S.Y. 3" Bituminous Base	64.4
— L.F. Combined Curb & Gutter	72.0
— L.F. Integral Curb	72.0
— C.Y. Excavation	270.9
— C.Y. Compacted Fill	2.3
— S.Y. Manipulation	2.3
— Tons Lime or 8.13 Tons Flyash	2.3
— S.Y. V.S. 5" Concrete 8" 3" Asphaltic Concrete Base	—
— L.F. Remove Curb	—
— S.Y. Pavm't Removal	—

Earthwork Totals

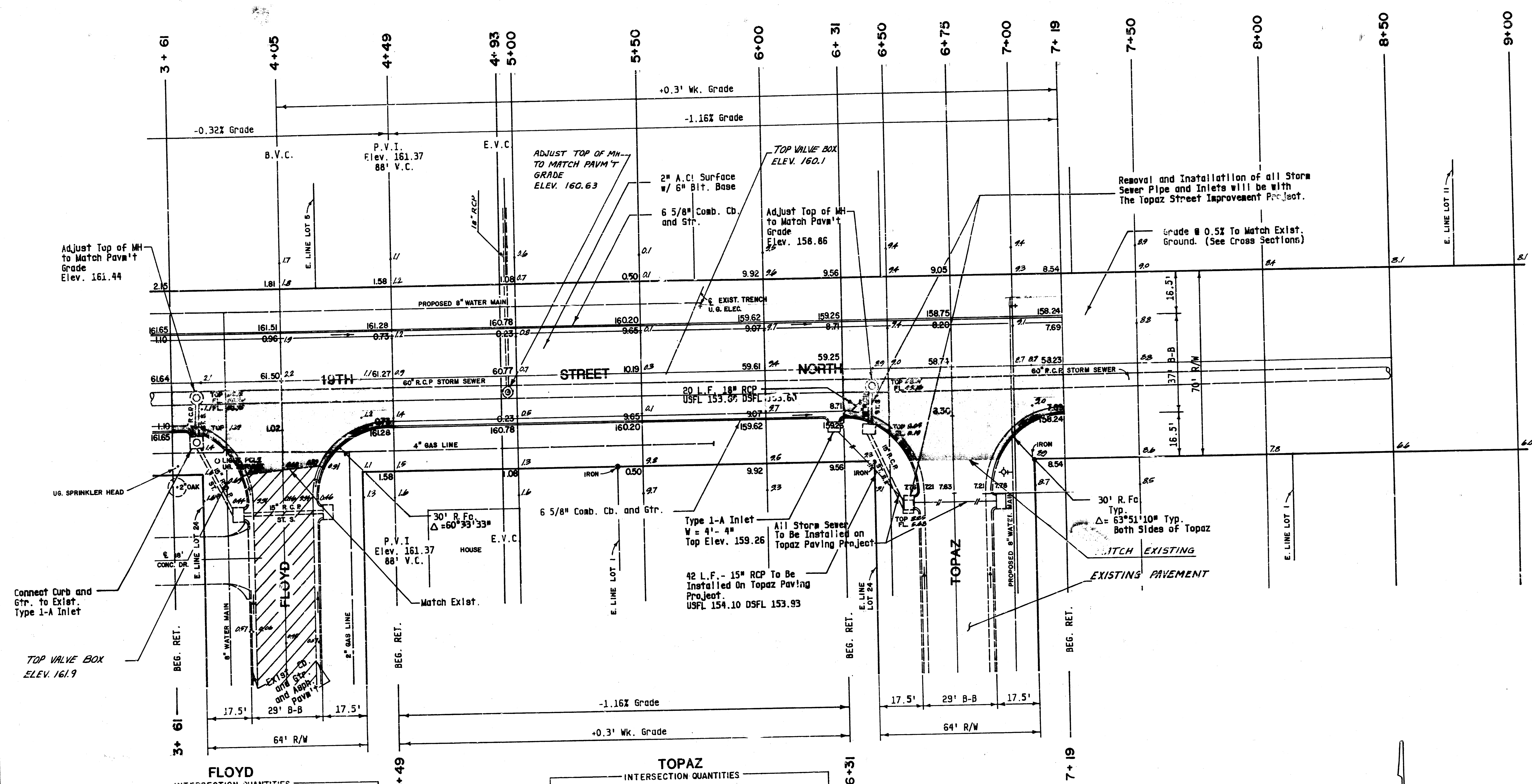
Total Excavation	1860.1 C.Y.
Loose Fill	64.4 C.Y.
Manipulation	3322.1 S.Y.

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CITY OF WICHITA, KANSAS
WESTLINK VILLAGE 16TH ADDITION
STREET IMPROVEMENTS
19TH STREET NORTH STA. 0+00 TO STA. 4+05
PROJECT NO. 472-76-245-81591-000-000-001

DESIGNED BY: K.H.
DRAWN BY: B.H.
CHECKED BY:
DATE: NOV. 1986
SHEET: 3 OF 8

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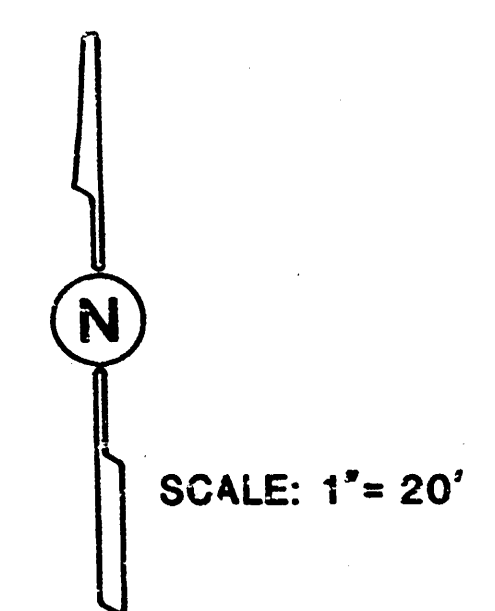


FLOYD
INTERSECTION QUANTITIES

—	S.Y. 2" Asphalt Surface
244.8	S.Y. 6" Asphaltic Conc. Pavement (6" Bituminous Base)
19.7	S.Y. 3" Bituminous Base
66.2	L.F. Combined Curb & Gutter
—	L.F. Integral Curb
07.0	C.Y. Excavation
—	C.Y. Compacted Fill
288.2	S.Y. Manipulation
2.28	Tons Lime or 8.05 Tons Flyash
—	S.Y. V.G. 5" Concrete & 3" Asphaltic Concrete Base
—	L.F. Remove Curb
—	S.Y. Pavement Removal

TOPAZ
INTERSECTION QUANTITIES

—	S.Y. 2" Asphalt Surface
245.1	S.Y. 6" Asphaltic Conc. Pavement (6" Bituminous Base)
19.8	S.Y. 3" Bituminous Base
66.9	L.F. Combined Curb & Gutter
—	L.F. Integral Curb
102.0	C.Y. Excavation
—	C.Y. Compacted Fill
289.8	S.Y. Manipulation
2.29	Tons Lime or 8.05 Tons Flyash
—	S.Y. V.G. 5" Concrete & 3" Asphaltic Concrete Base
—	L.F. Remove Curb
—	S.Y. Pavement Removal



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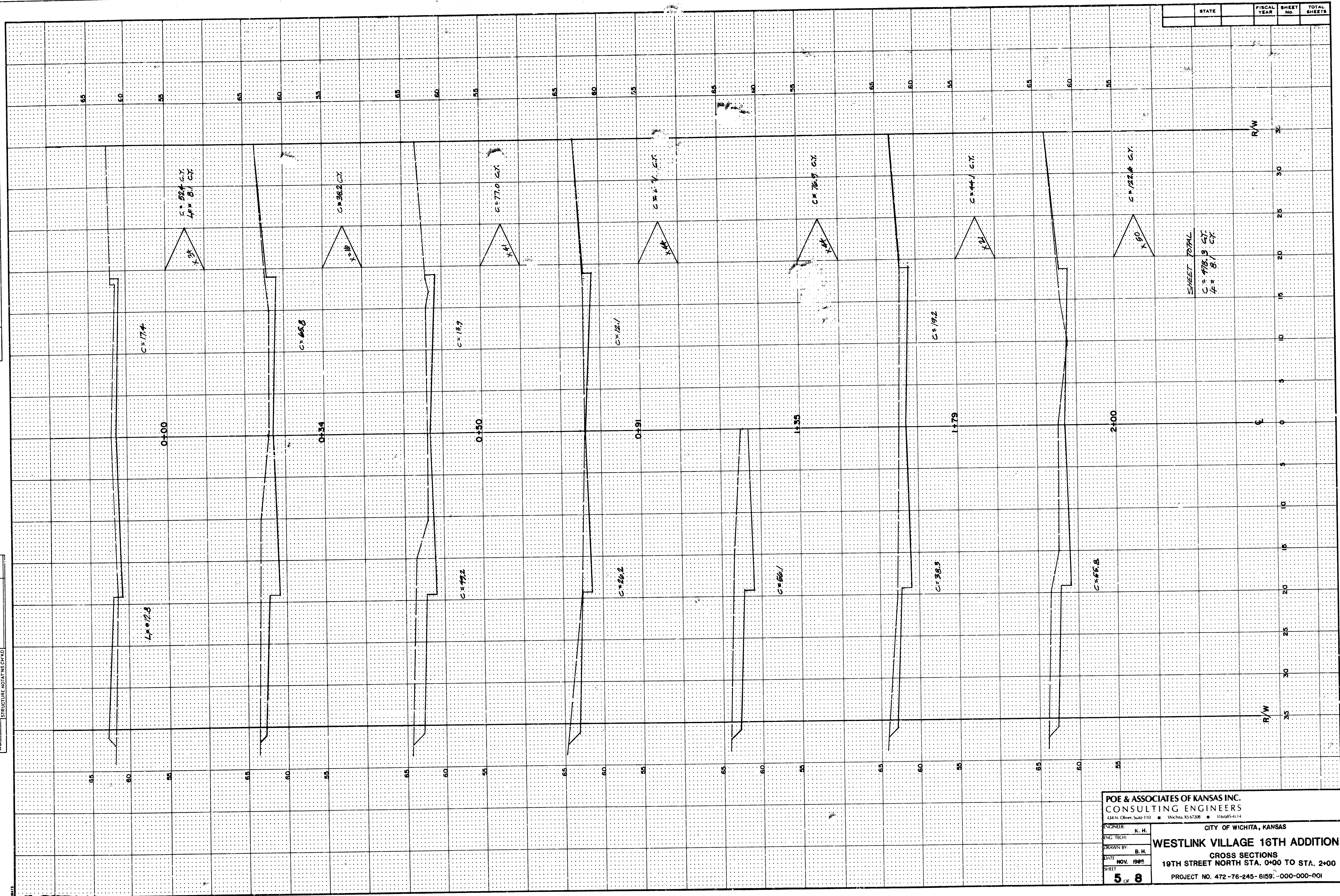
CITY OF WICHITA, KANSAS
WESTLINK VILLAGE 16TH ADDITION
STREET IMPROVEMENTS
19TH STREET NORTH STA. 4+05 TO STA. 7+18.8
PROJECT NO. 472-76-245-81591-000-000-000

DESIGNED BY: K.H.
DRAWN BY: B.H.
CHECKED BY:
DATE: NOV. 1986
SHEET: **4 of 8**

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PLAN		DATE	
NO.	BY	DATE	BY
SURVEYED		DATE	
NOTED		DATE	
CHECKED		DATE	
BY		DATE	

PROFILE		DATE	
NO.	BY	DATE	BY
SURVEYED		DATE	
NOTED		DATE	
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BY		DATE	

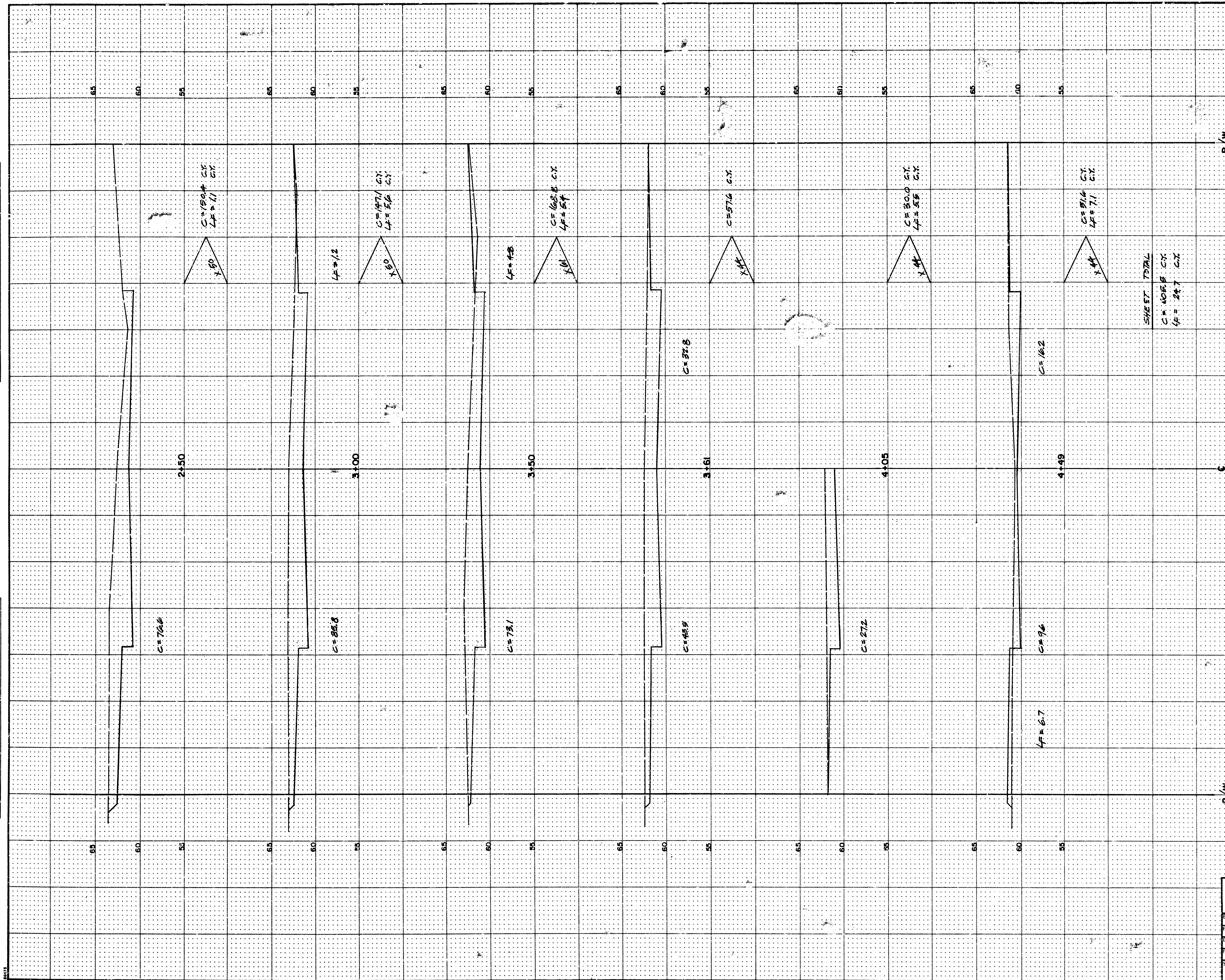


POE & ASSOCIATES OF KANSAS INC.	
CONSULTING ENGINEERS	
434 N. Oliver, Suite 110 • Wichita, KS 67208 • 316/683-4114	
ENGINEER	K. H.
ENGINEER	K. H.
DRAWN BY	B. H.
DATE	NOV. 1989
SHEET	5 OF 8
CITY OF WICHITA, KANSAS	
WESTLINK VILLAGE 16TH ADDITION	
CROSS SECTIONS	
19TH STREET NORTH STA. 0+00 TO STA. 2+00	
PROJECT NO. 472-76-245-8159-000-000-001	

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PLAN	SURVEYED	BY	DATE
	NOTE BOOK		
	RT. OF WAY CHECKED		

PROFILE	SURVEYED	BY	DATE
	NOTE BOOK		
	GRADES CHECKED		

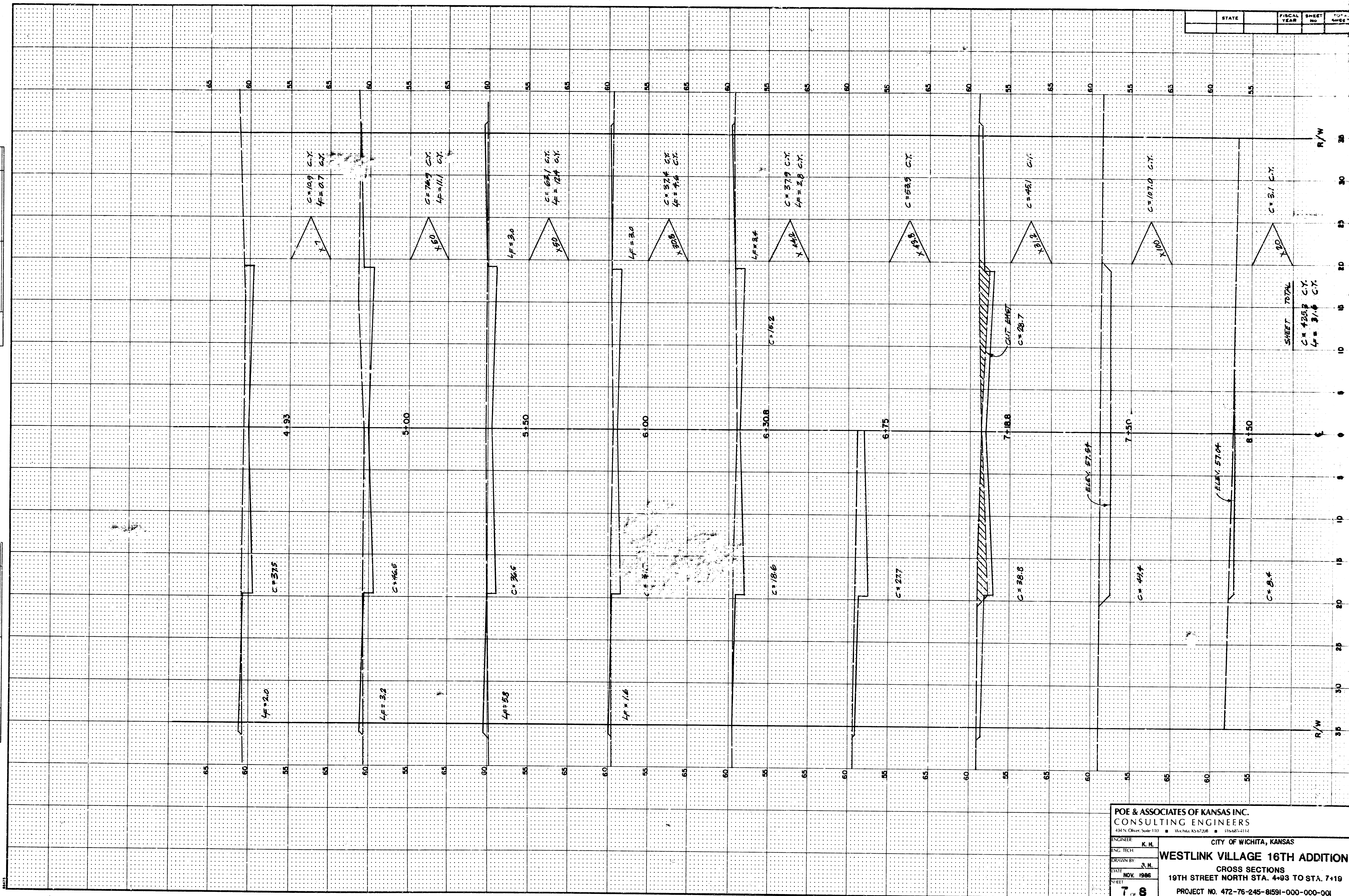


STATE	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
POE & ASSOCIATES OF KANSAS INC. CONSULTING ENGINEER 434 N. Oliver, Suite 110 • Wichita, KS 67208 • 313-621-1111 ENGINEER: K. H. DRAFTER: B. H. DATE: NOV. 1986 SHEET: 6 OF 8			
CITY OF WICHITA, KANSAS WESTLINK VILLAGE 16TH ADDITION CROSS SECTIONS 19TH STREET NORTH STA. 2+50 TO STA. 4+49 PROJECT NO. 472-76-245-81591-000-000-001			

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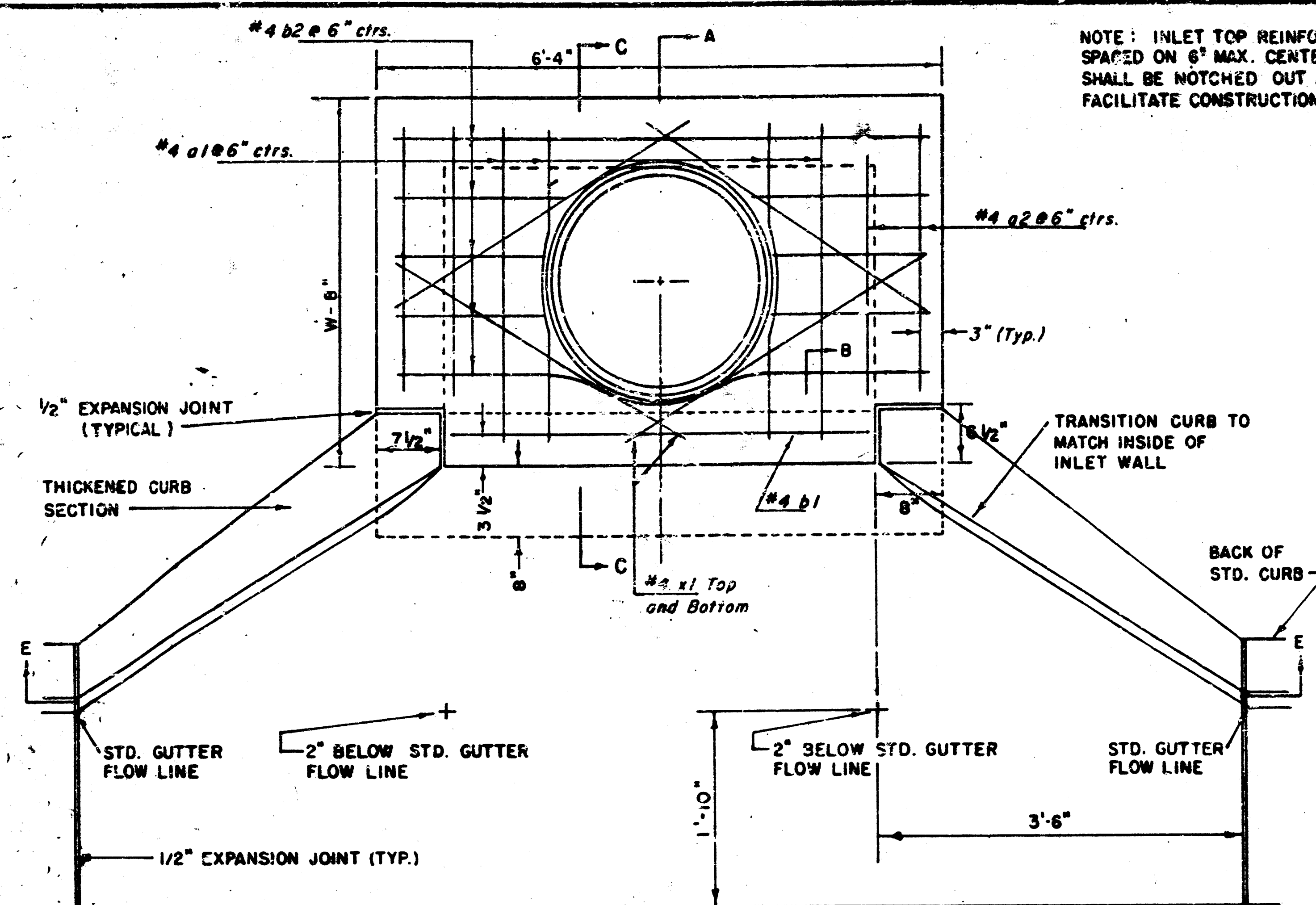
PROFILE		BY		DATE	
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4	11/1/86	5	11/1/86	6	11/1/86

PLAN		BY		DATE	
NO.	DATE	NO.	DATE	NO.	DATE
1	11/1/86	2	11/1/86	3	11/1/86
4	11/1/86	5	11/1/86	6	11/1/86



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CONSULTING ENGINEERS	
434 N. Oliver, Suite 110 • Wichita, KS 67208 • 313-681-1112	
ENGINEER	K. H.
DRAWN BY	R. H.
DATE	NOV. 1986
SHEET	7 OF 8
CITY OF WICHITA, KANSAS	
WESTLINK VILLAGE 16TH ADDITION	
CROSS SECTIONS	
19TH STREET NORTH STA. 4+83 TO STA. 7+19	
PROJECT NO. 472-76-245-81591-000-000-001	

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NOTE: EXPANSION JOINT ONLY IN CURB AREA WITH CONC. PAVEMENT.

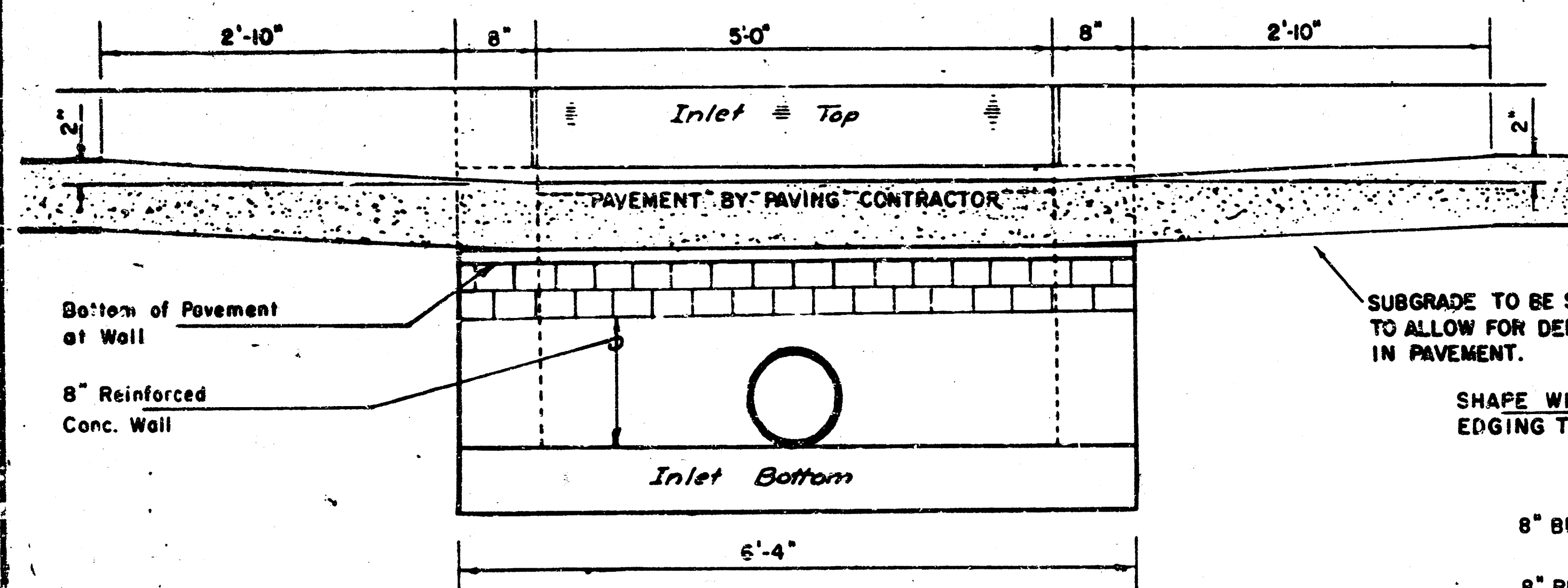
PLAN

PRECAST SLAB AND FLOOR REINFORCING									
Mark	Size	No.	Length	No.	Length	No.	Length	No.	Length
1a1	#4	6	5'-7"	6	8'-7"	6	10'-7"	6	12'-7"
1a2	#4	4	6'-0"	4	8'-0"	4	10'-0"	4	12'-0"
1a3	#4	13	4'-1"	13	5'-1"	13	6'-1"	13	7'-1"
1b1	#4	1	4'-9"	1	4'-9"	1	4'-9"	1	4'-9"
1b2	#4	23	6'-1"	29	6'-1"	35	6'-1"	41	6'-1"
2a1	#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
1a1	#4	6	5'-7"	6	8'-7"	6	10'-7"	6	12'-7"
1a2	#4	4	6'-0"	4	8'-0"	4	10'-0"	4	12'-0"
1a3	#4	13	4'-1"	13	5'-1"	13	6'-1"	13	7'-1"
1b1	#4	1	4'-9"	1	4'-9"	1	4'-9"	1	4'-9"
1b2	#4	23	6'-1"	29	6'-1"	35	6'-1"	41	6'-1"
2a1	#4	8	3'-10"	8	4'-2"	8	4'-6"	8	4'-10"

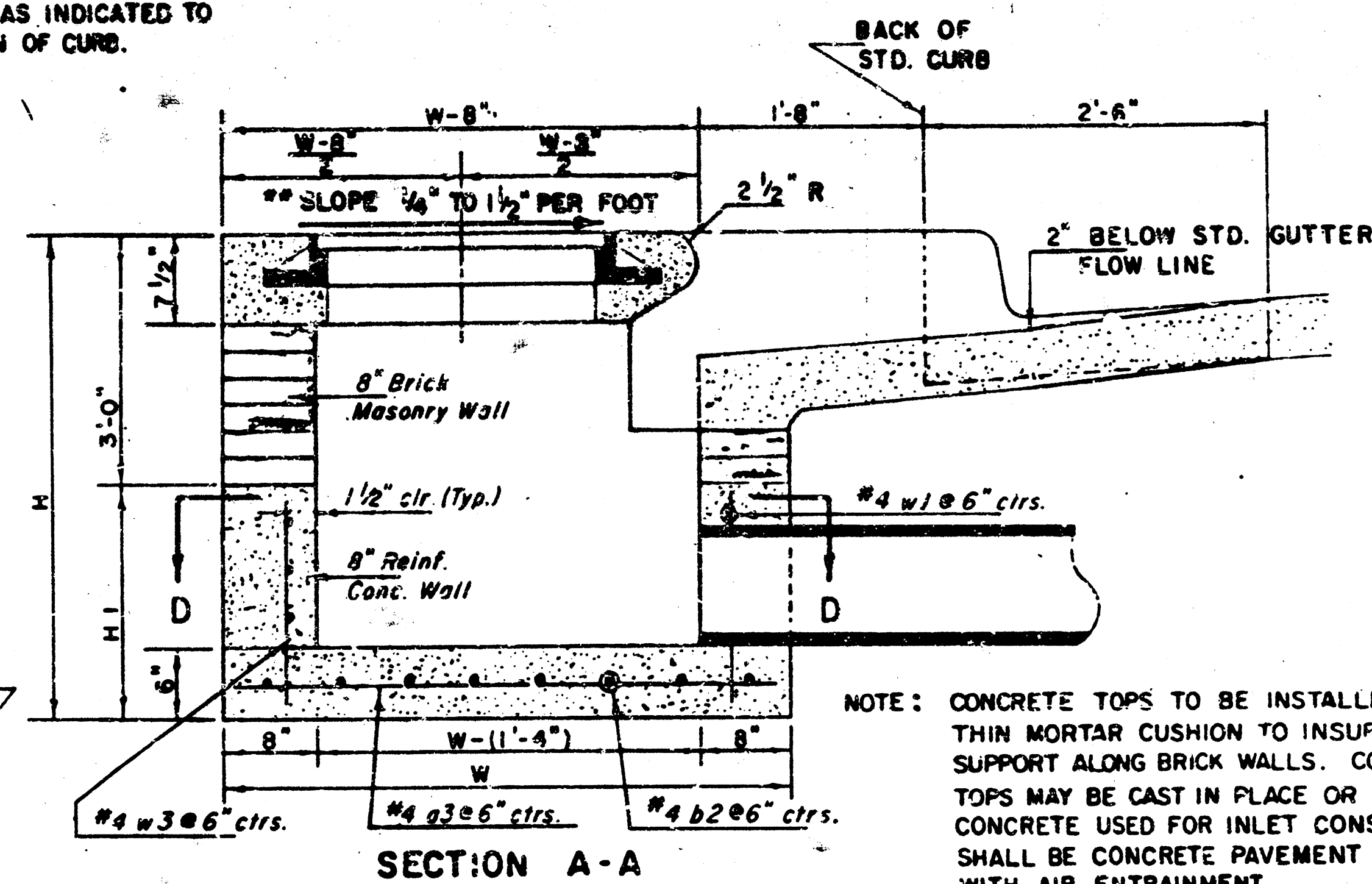
* Field bend or cut Reinforcing as required for clearance.

- ① 4(HI-12"); (HI-12") Round down to nearest 0.5'
- ② HI-3"



SECTION E-E

NOTE: INLET TOP REINFORCING SHALL BE SPACED ON 6" MAX. CENTERS. INLET LIDS SHALL BE NOTCHED OUT AS INDICATED TO FACILITATE CONSTRUCTION OF CURB.



SECTION A-A

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.

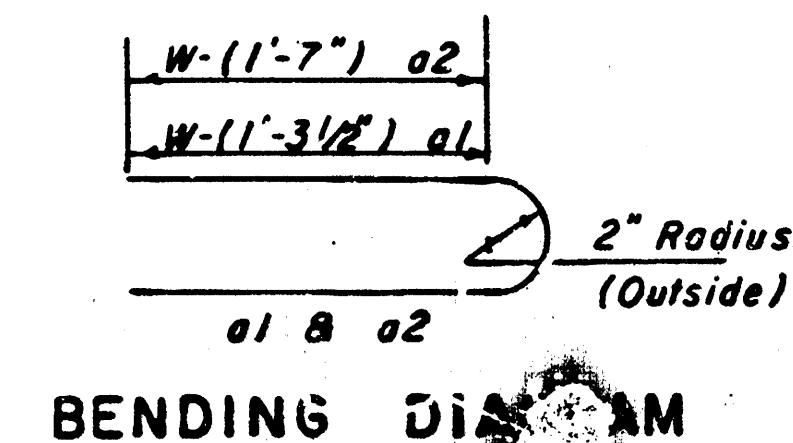
NOTE: CONTRACTOR SHALL HAVE THE OPTION OF CONSTRUCTING 8" BRICK MASONRY WALLS BETWEEN THE CONCRETE INLET BASE AND TOP ON THIS INLET WHEN W = 6'-4" AND H = 7'-0" OR LESS.

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.

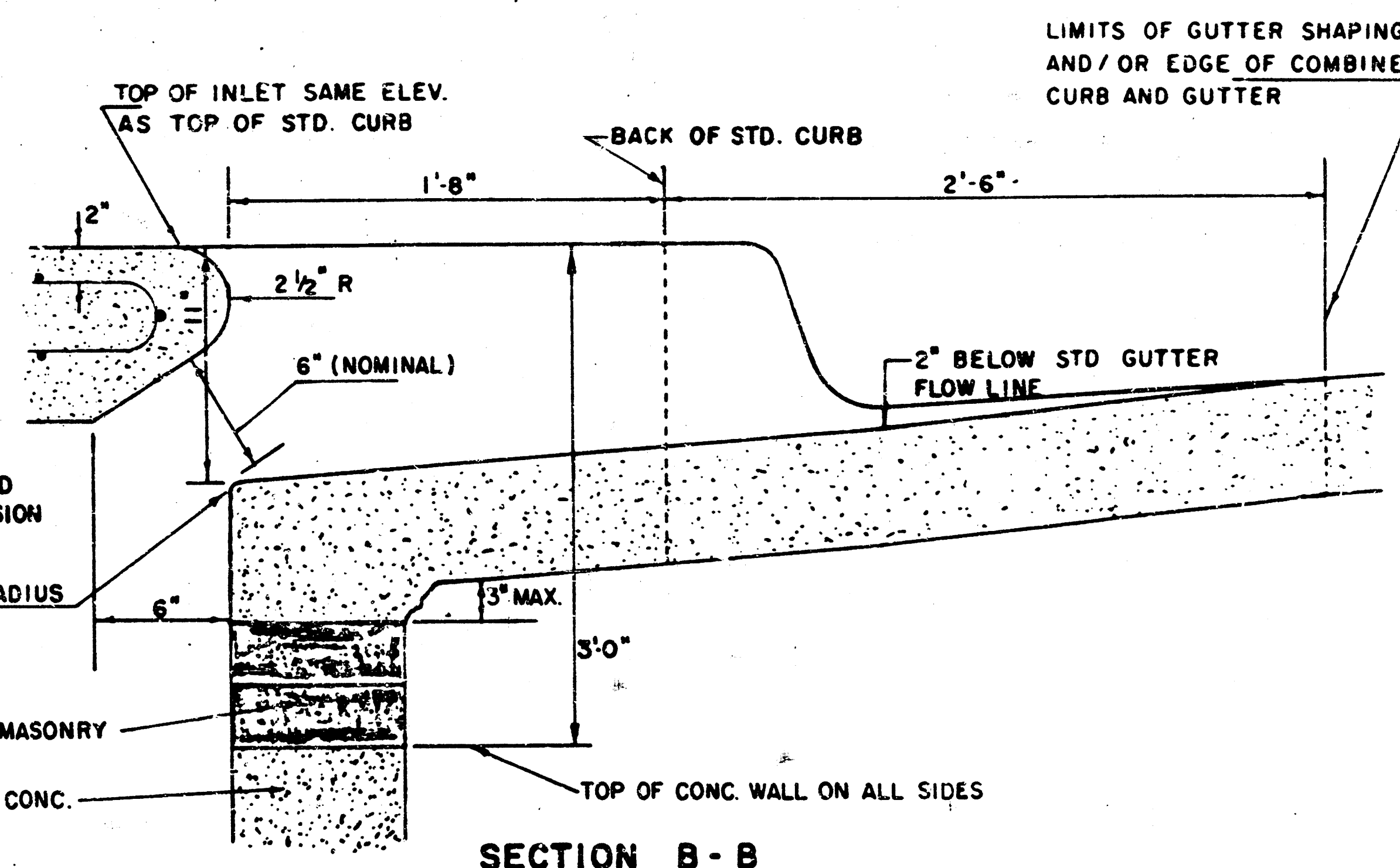
INLET INVERT SHALL BE SHAPED WITH 8 SACK SAND MIX CONCRETE TO CREATE FLOW CHANNELS AND TO INCREASE HYDRAULIC EFFICIENCY SUCH THAT THE INLET WILL BE SELF-CLEANING BETWEEN ALL INLET AND/OR OUTLET PIPES.

THE ENDS OF ALL PIPES INSTALLED IN INLETS SHALL BE CUT OFF FLUSH WITH THE INSIDE FACE OF THE INLET WALL.

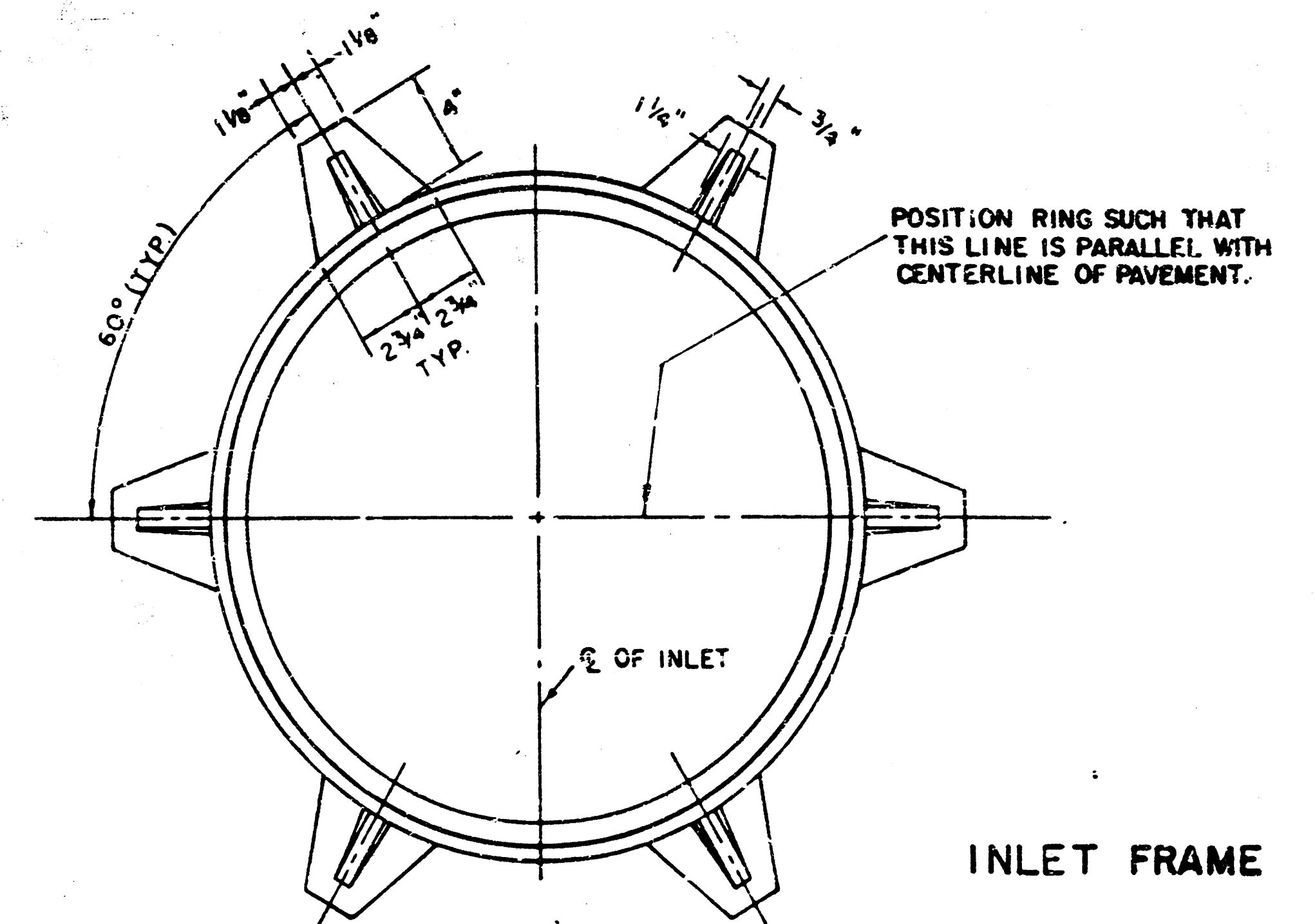
** NOTE: Slope of Inlet Top to match Sidewalk or Parking Slopes within Limits indicated.



STANDARD CURB INLET PRECAST TOPS			
W	PRE-CAST TOP SIZE	PIPE SIZE	CU. YD. CONC.
4'-4"	3'6" 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 ±

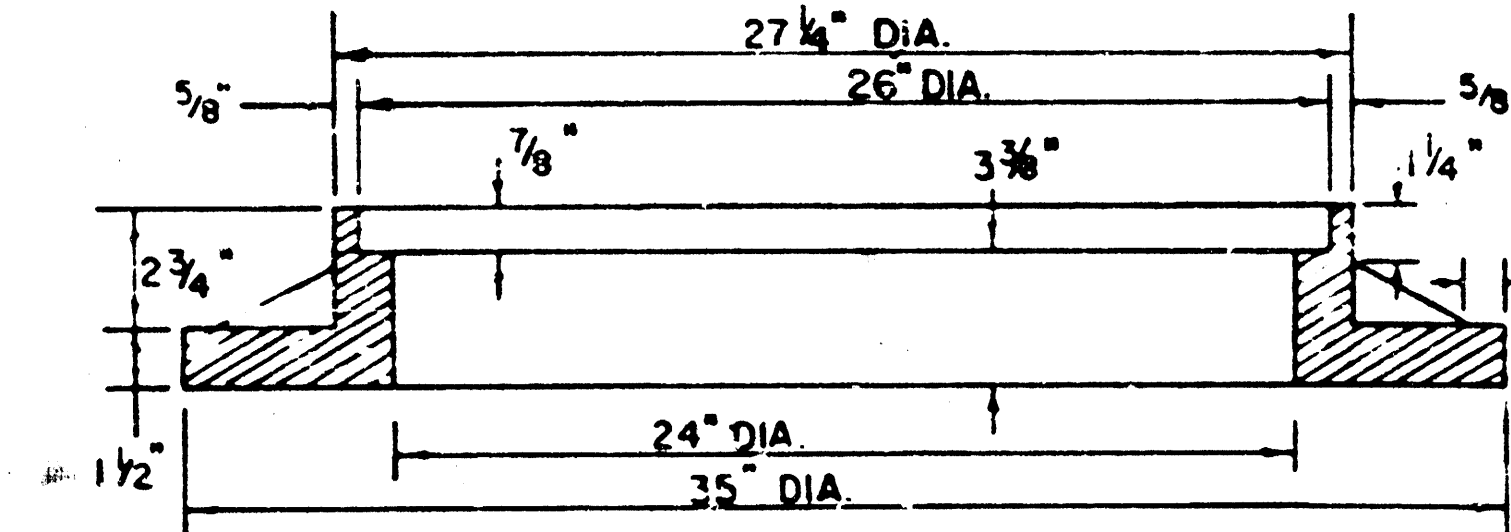


SECTION B-B

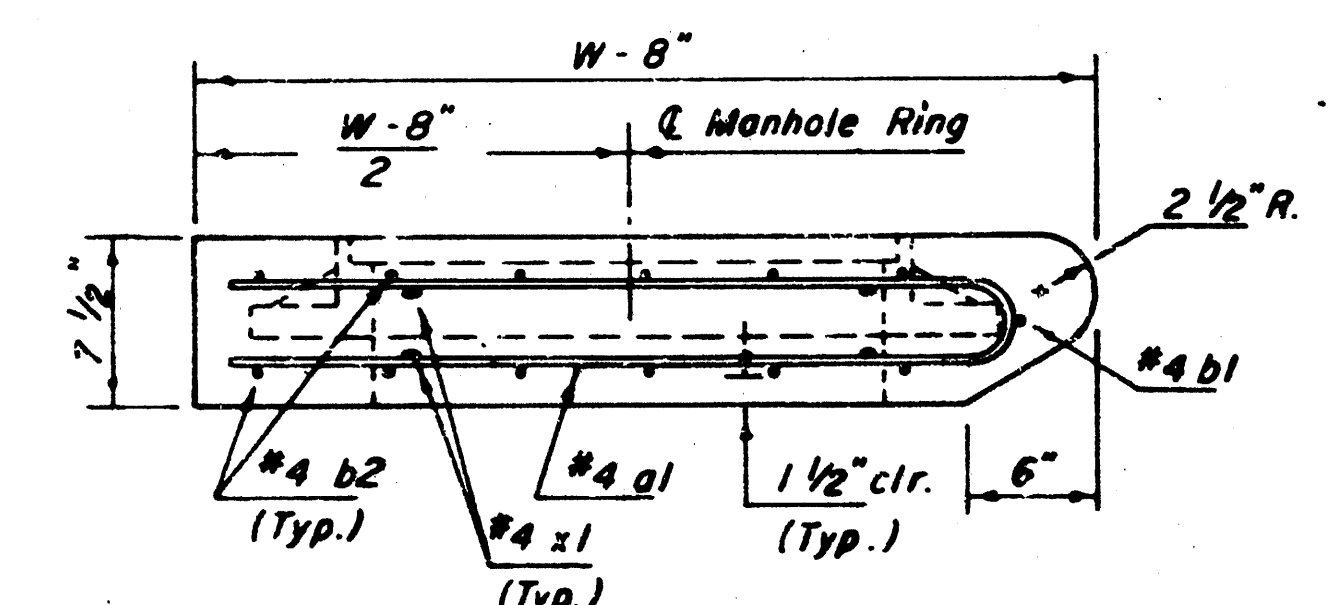


INLET FRAME

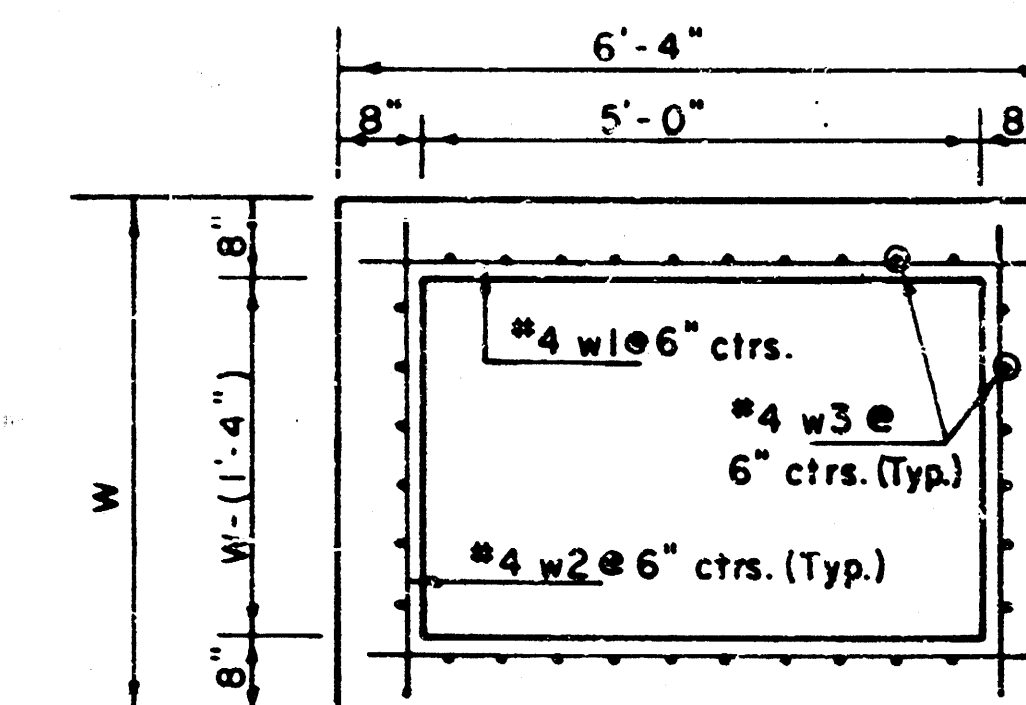
WEIGHT = 180 LBS.



SEE CITY OF WICHITA STANDARD MANHOLE FRAME AND COVER DETAIL SHEET FOR COVER DETAILS TO BE USED WITH INLET FRAME.



SECTION C-C



SECTION D-D

SHEET 8 of 8

REVISED 11-30-1988
REVISED 12-3-1984
Revised 2-16-1989

DETAIL STANDARD TYPE IA CURB INLET
CITY OF WICHITA, KANSAS
INLET OPENING = 6" x 5' 0"

JUNE 1984

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