

GENERAL NOTES:

- | | |
|-----------------------|----------------|
| Arkla Gas Company | 942-8350 |
| Bell Telephone | 268-2256 |
| Cablevision | 269-3340 |
| Gas Service Company | 263-7511 |
| Kansas Gas & Electric | 261-6375 |
| Kansas One-Call | 1-800-344-7233 |

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.

TOPAZ FROM THE N. LINE OF 17TH STREET NORTH
TO THE SOUTH S. LINE OF 19TH STREET NORTH

MICHAEL E. LINDEBAK, - CITY ENGINEER

SOCORA

FLOYD

BENEFIT DISTRICT BOUNDARY	
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- TOPAZ IS 7 BLOCKS EAST OF TYLER ROAD

REDBARN

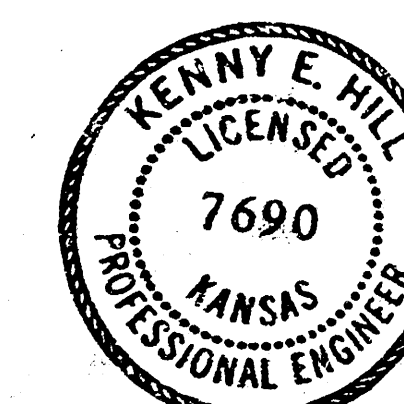
NOVEMBER 1986

PLANS PREPARED
BY

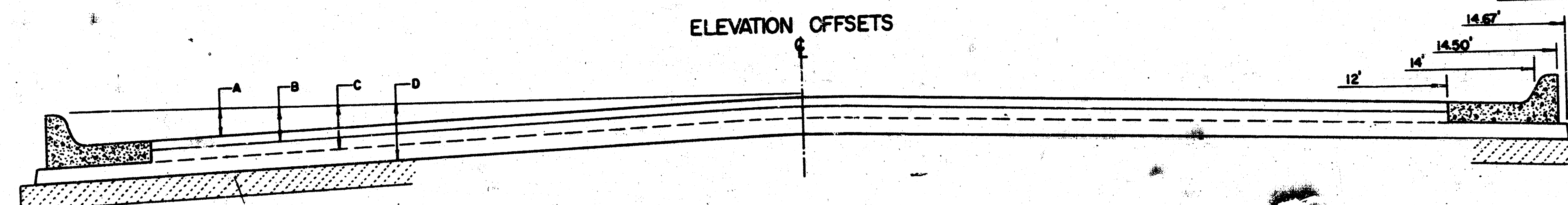
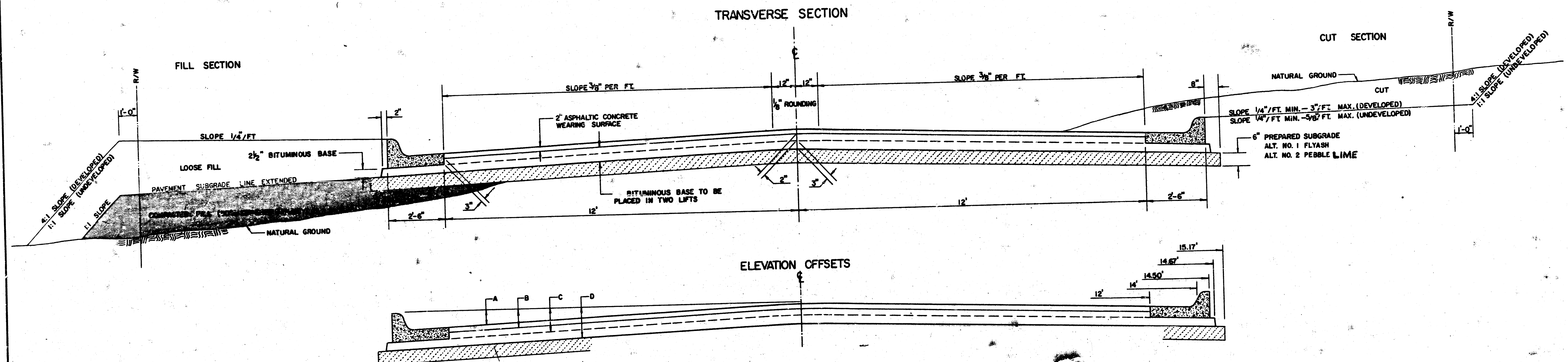
POE & ASSOCIATES OF KANSAS INC.
CONSULTING ENGINEERS
434 N. Oliver, Suite 110 ■ Wichita, KS 67208 ■ 316/685-4114

TITLE SHEET	SHEET 1
TYPICAL 29' PAVEMENT DETAILS	SHEET 2
TOPAZ-STA. 0+00 TO 5+50	SHEET 3
TOPAZ-STA. 5+50 TO 10+35.2	SHEET 4
CROSS SECTIONS STA. 0+35.2 TO STA. 3+00	SHEET 5
CROSS SECTIONS STA. 3+50 TO STA. 6+50	SHEET 6
CROSS SECTIONS STA. 7+00 TO STA. 10+00	SHEET 7
TYPE 1A CURB INLET	SHEET 8

1. B.M. 169.949 City of Wichita Standard Disk. 38' West and 90' South of Centerline Tyler and 21ST St.
2. B.M. 161.34 "a" Cut on S.E. Cor. Cb. Inlet at S.W. Cor. of 19TH and Recla.
3. B.M. 159.83 "a" Cut on N.E. Cor. Cb. Inlet at N.W. Cor. 17TH and Topaz.

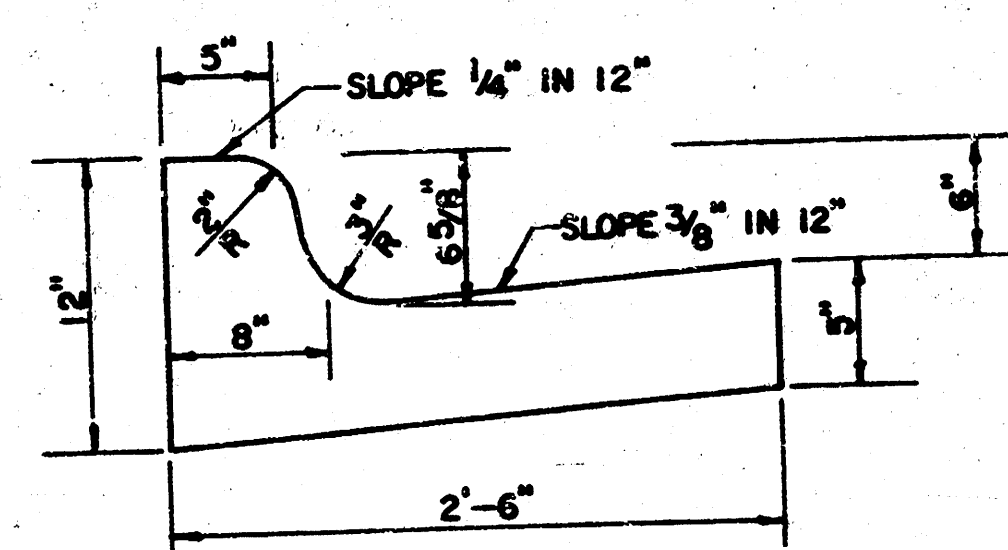


TYPICAL 29' PAVEMENT DETAILS

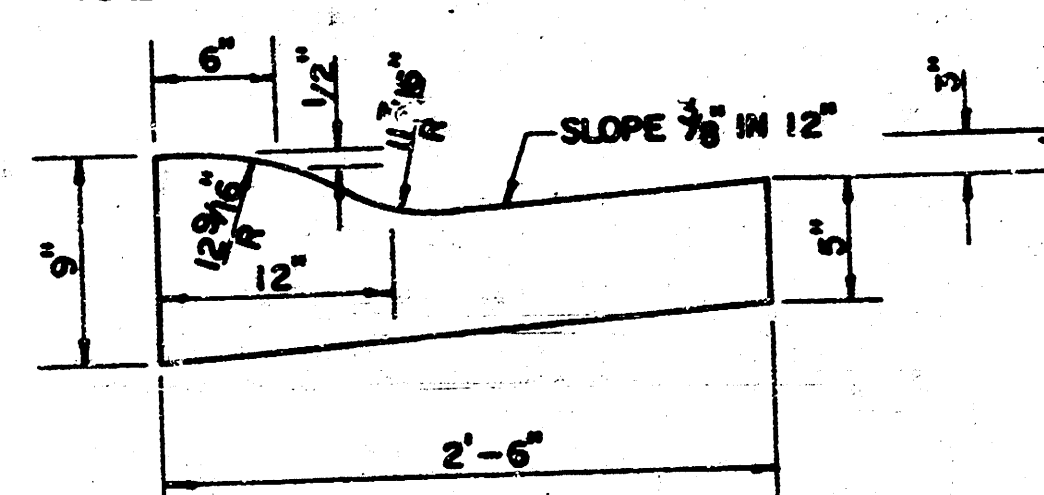


	DISTANCE FROM CENTERLINE (LT. & RT.)											
	0'	2'	4'	6'	7'	8'	10'	12'	14'	14.5'	14.67'	15.17'
A: TOP OF CURBS TO TOP OF SURFACE LIFT	0.13	0.18	0.24	0.30	0.33	0.36	0.43	0.49	—	—	—	—
B: TOP OF CURBS TO TOP OF UPPER BASE LIFT	0.30	0.35	0.41	0.47	0.50	0.53	0.60	0.66	—	—	—	—
C: TOP OF CURBS TO TOP OF LOWER BASE LIFT	0.47	0.52	0.60	0.68	0.71	0.75	0.83	0.90	0.98	1.00	1.01	—
D: TOP OF CURBS TO TOP OF SUBGRADE	0.72	0.77	0.84	0.91	0.94	0.98	1.05	1.12	1.19	1.21	1.21	1.23

COMBINED CURB & GUTTER



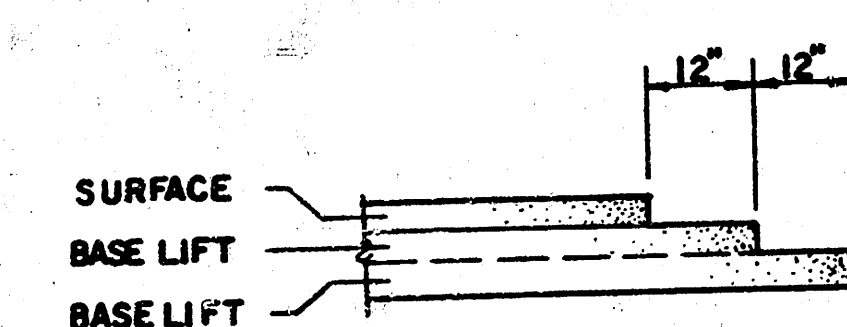
ROLL TYPE COMBINED CURB & GUTTER



GENERAL NOTES

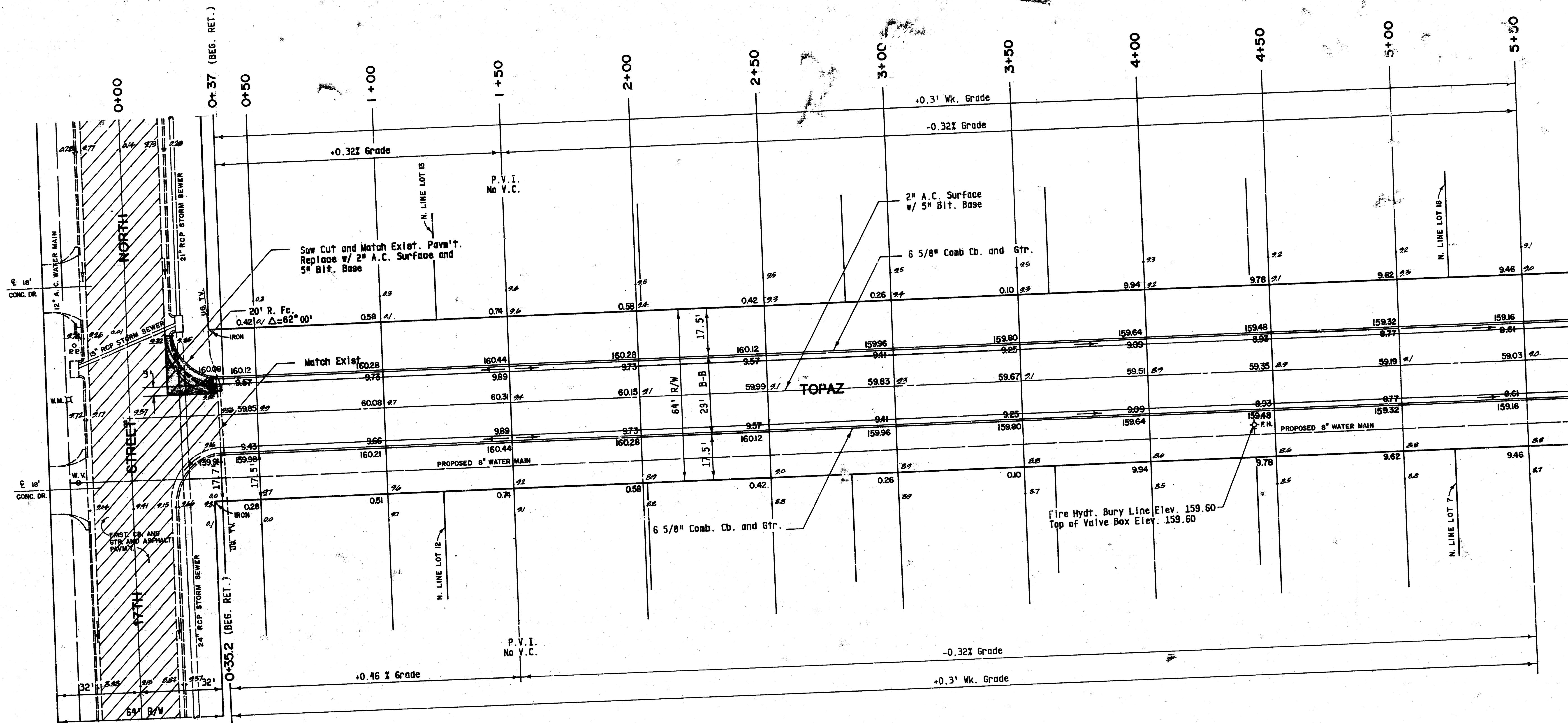
- 1) THE ASPHALTIC CONCRETE PAVEMENT BETWEEN THE COMBINED CURB AND GUTTER SHALL BE PAID AS SQUARE YARDS OF 7" ASPHALTIC CONCRETE (5" BITUMINOUS BASE).
- 2) THE BITUMINOUS BASE UNDER AND BEHIND THE COMBINED CURB AND GUTTER SHALL BE PAID AS SQUARE YARDS OF 2 1/2" BITUMINOUS BASE.
- 3) A TACK COAT OF EMULSIFIED 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 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 7" ASPHALTIC CONCRETE (5" BITUMINOUS BASE).

POE & ASSOCIATES OF KANSAS INC. CONSULTING ENGINEERS 434 N. Oliver, Suite 110 • Wichita, KS 67208 • 316-685-1114	
7 INCH RESIDENTIAL ASPHALTIC CONCRETE PAVEMENT WITH 5 INCH BITUMINOUS BASE CITY OF WICHITA, KANSAS	
DATE: NOV. 1986	PROJECT NUMBER: 472-76-245-81585-000-000-001
SHEET: 2 OF 8	



Earthwork Totals

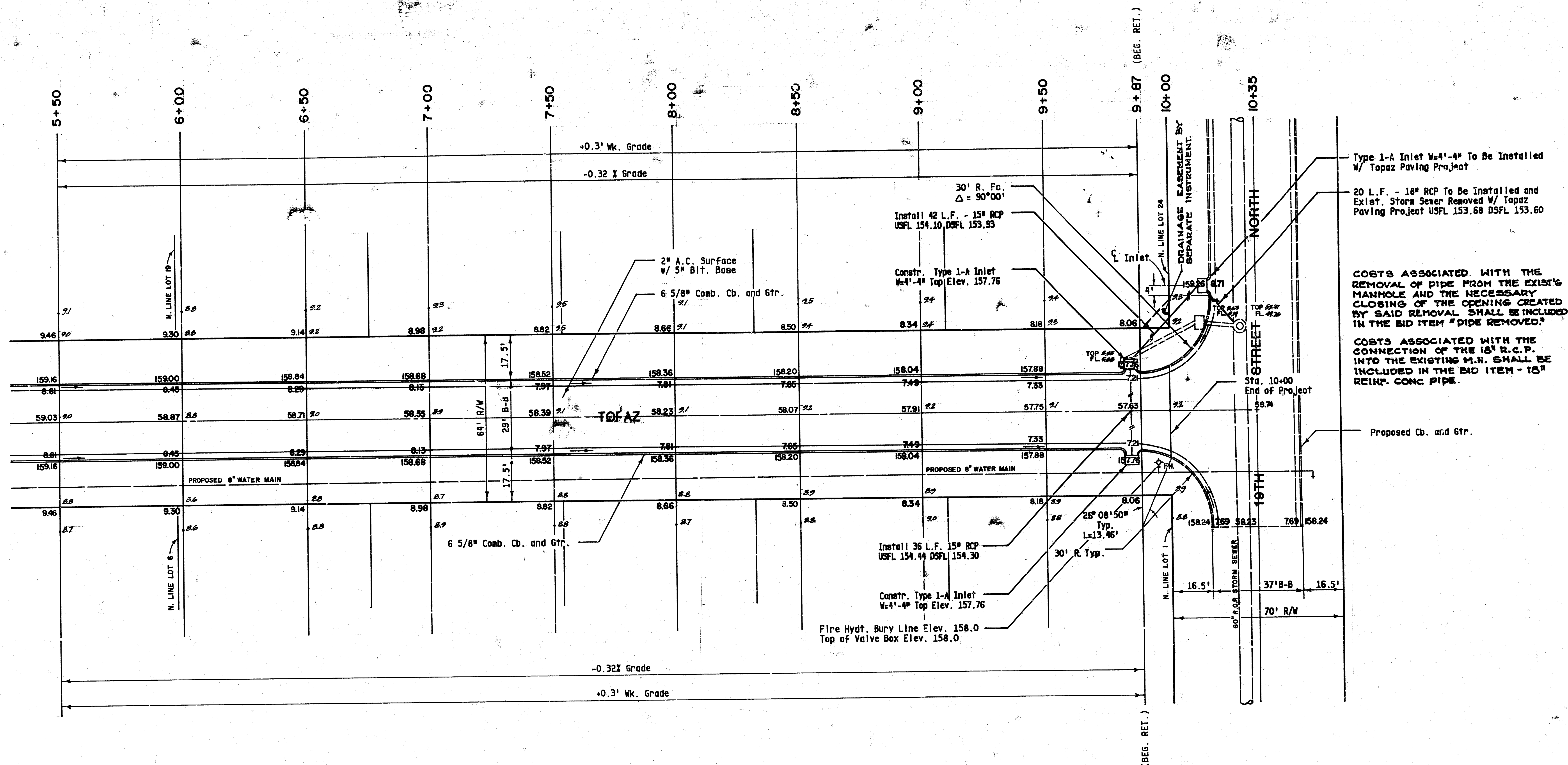
Total Excavation	1298.2 C.Y.
Loose Fill	639.8 C.Y.
Manipulated Fill	24.4 C.Y.
Manipulation	3282.6 S.Y.

INTERSECTION QUANTITIES

—	S.Y. 2" Asphalt Surface
18.0	S.Y. 7" Asphaltic Conc. Pavement (6" Bituminous Base)
8.0	S.Y. 2 1/2" Bituminous Base
26.8	L.F. Combined Curb & Gutter
—	L.F. Integral Curb
2.4	C.Y. Excavation
—	C.Y. Compacted Fill
27.4	S.Y. Manipulation
0.22	Tons Lime or 0.82 Tons Flyash
—	S.Y. V.G. 5" Concrete & 3" Asphaltic Concrete Base
31.4	L.F. Remove Curb
11.5	S.Y. Pavm't Removal

N
SCALE: 1" = 20'

POE & ASSOCIATES OF KANSAS INC. CONSULTING ENGINEERS 434 N. Olive, Suite 110 Wichita, KS 67202 316-265-4114	
DESIGNED BY: K.H. DRAWN BY: D.H. CHECKED BY: DATE: NOV. 1986 SHEET: 3.8	CITY OF WICHITA, KANSAS WESTLINK VILLAGE 16TH ADDITION STREET IMPROVEMENTS TOPAZ STA. 0+00 TO STA. 5+50 PROJECT NO. 472-76-245-81585-000-000

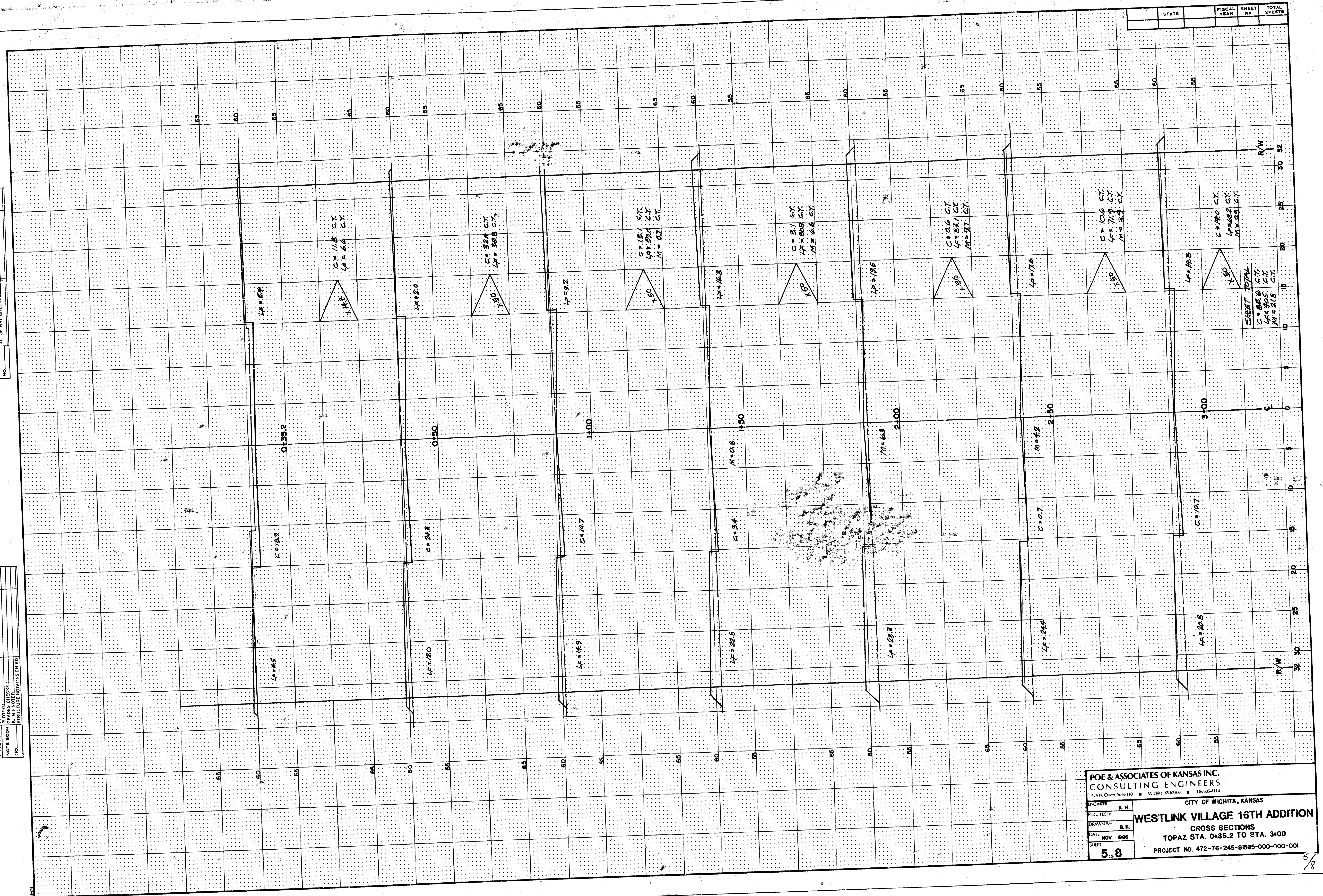


N
SCALE: 1" = 20'

POE & ASSOCIATES OF KANSAS INC. CONSULTING ENGINEERS 434 N. Oliver, Suite 110 • Wichita, KS 67202 • 316-265-4114	
DESIGNED BY K.H. DRAWN BY B.H. CHECKED BY B.H. DATE NOV. 1986 SHEET 4.8	CITY OF WICHITA, KANSAS WESTLINK VILLAGE 16TH ADDITION STREET IMPROVEMENTS TOPAZ STA. 5+50 TO STA. 10+35.2 PROJECT NO. 472-76-245-81585-000-000-001

PLAN	SURVISED	BY	DATE
	NOTE BOOK	NO.	
	RT. OF WAY CHECKED		

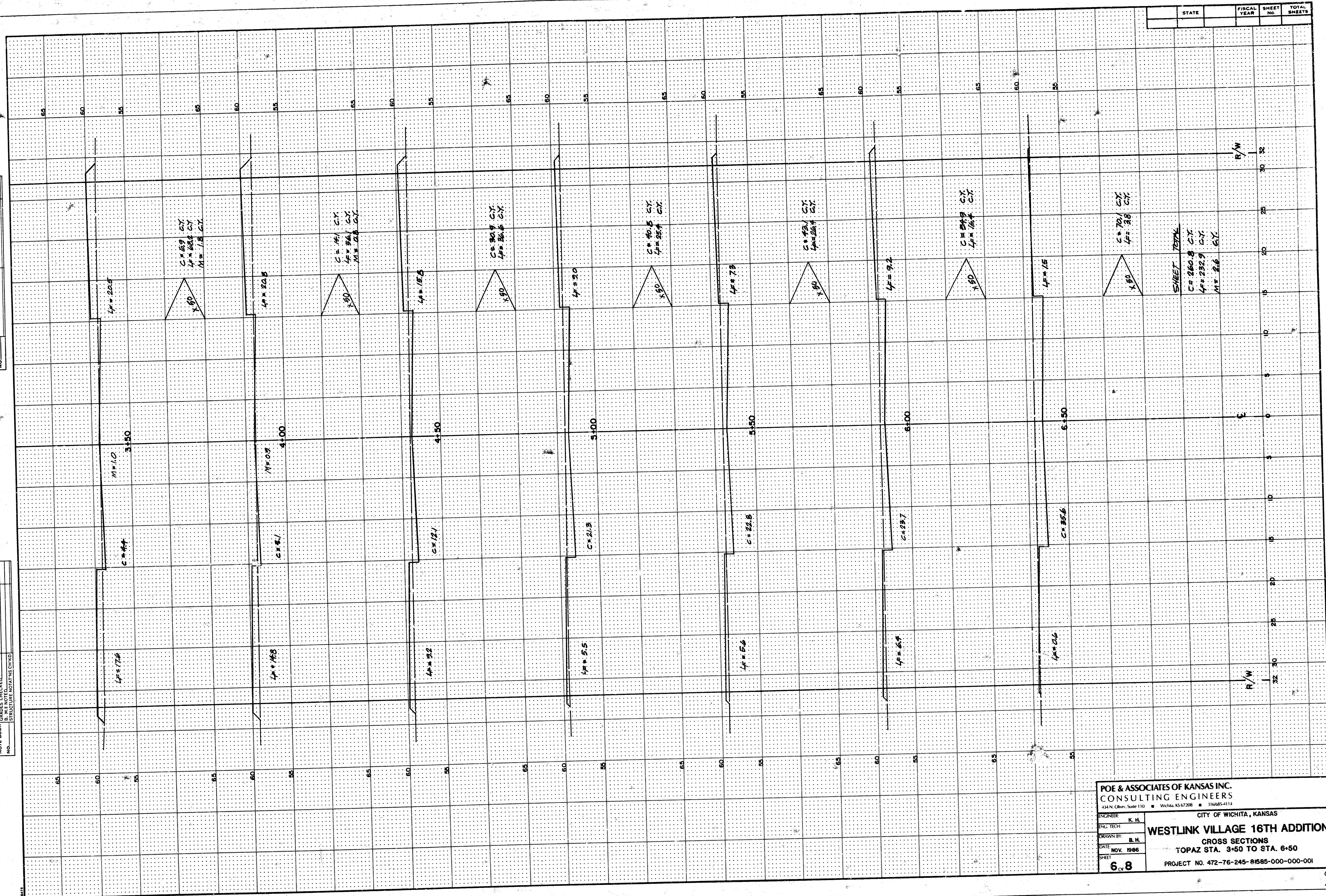
PROFILE	GRADES	BY	DATE
	NOTED		
	STRUCTURE NOTATIONS		



POE & ASSOCIATES OF KANSAS INC. CONSULTING ENGINEERS	
434 N. Oliver, Suite 110 • Wichita, KS 67208 • 316/685-1114	
ENGINEER	K. H.
CITY OF WICHITA, KANSAS	
WESTLINK VILLAGE 16TH ADDITION	
CROSS SECTIONS	
TOPAZ STA. 0+35.2 TO STA. 3+00	
PROJECT NO. 472-76-245-81585-000-100-001	
DRAWN BY	B. H.
DATE	NOV. 1998
SHEET	5 OF 8

PLAN	SURVEYED	BY	DATE
	NOTE BOOK		
	ALIGNMENT CHECKED		
	RT. OF WAY CHECKED		

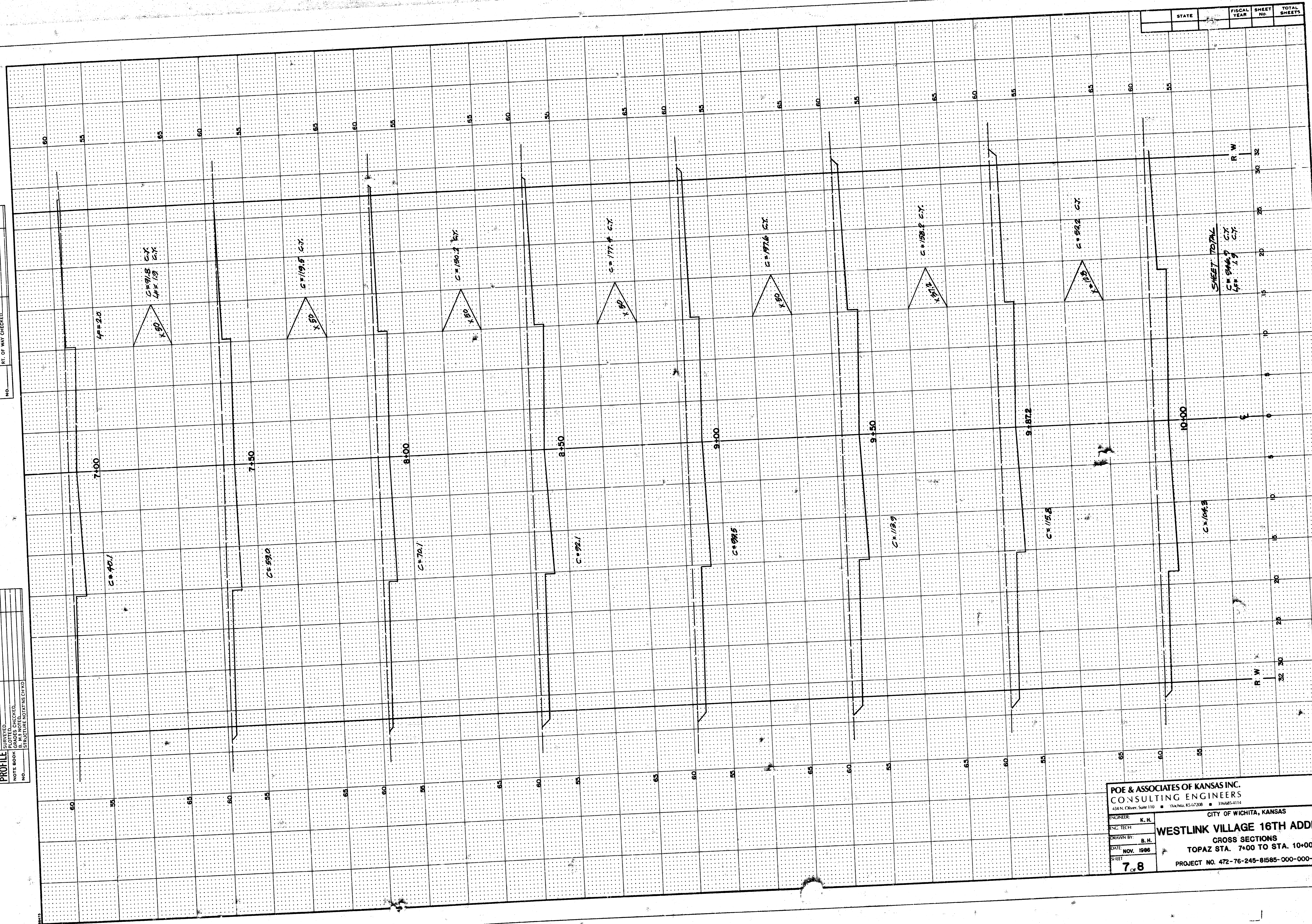
PROFILE	SURVEYED	BY	DATE
	NOTE BOOK		
	GRADES CHECKED		
	RT. OF WAY CHECKED		



POE & ASSOCIATES OF KANSAS INC.	
CONSULTING ENGINEERS	
434 N. Oliver, Suite 110 • Wichita, KS 67208 • 316/685-4114	
ENGINEER	K. H.
ENGINEER	K. H.
DRAWN BY	B. H.
DATE	NOV. 1986
SHEET	6-8
CITY OF WICHITA, KANSAS	
WESTLINK VILLAGE 16TH ADDITION	
CROSS SECTIONS	
TOPAZ STA. 3+50 TO STA. 6+50	
PROJECT NO. 472-76-245-R1565-000-000-001	

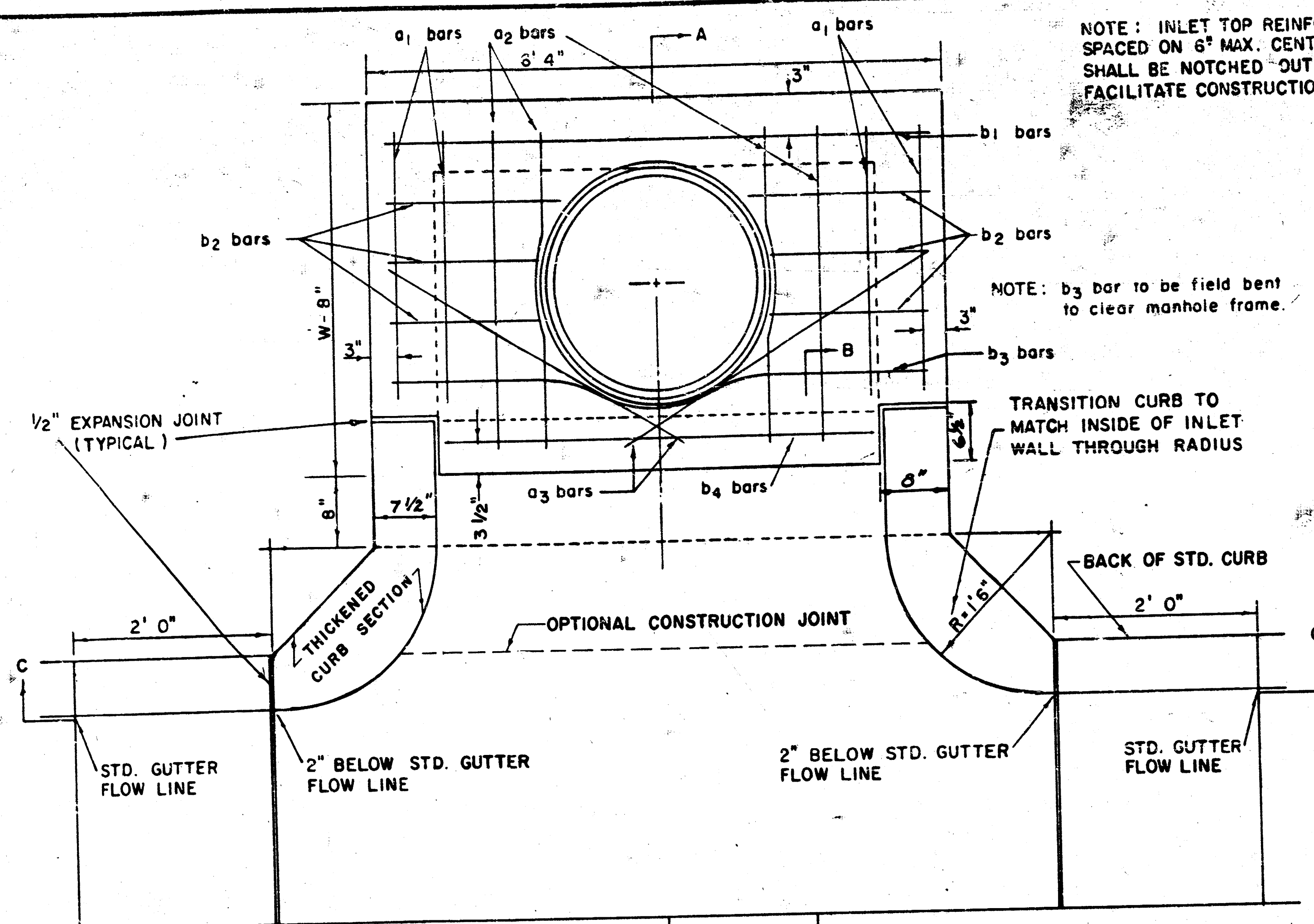
PLAN	SURVEYED	BY	DATE
	NOTED		
NOTE BOOK	NO. 1		
	NO. 2		

PROFILE	SURVEYED	BY	DATE
	NOTED		
NOTE BOOK	NO. 1		
	NO. 2		



POE & ASSOCIATES OF KANSAS INC.	
CONSULTING ENGINEERS	
434 N. Cherry, Suite 110 • Wichita, KS 67208 • 316-685-1114	
ENGINEER	K. H.
DRAWN BY	B. H.
DATE	NOV. 1998
SHEET	7 of 8

CITY OF WICHITA, KANSAS	
WESTLINK VILLAGE 16TH ADDITION	
CROSS SECTIONS	
TOPAZ STA. 7+00 TO STA. 10+00	
PROJECT NO. 472-76-245-81585-000-000-001	



PLAN

BAR NUMBER	STEEL SCHEDULE										WT. LBS.
	a ₁	a ₂	a ₃	b ₁	b ₂	b ₃	b ₄	b ₅	b ₆	b ₇	
SIZE	#4	#4	#4	#4	#4	#4	#4	#4	#4	#4	
W=4'4"	5'7"	6'7"	4'0"	6'1"	-	-	-	-	1'9"	6'2"	60±
W=5'4"	7'7"	8'7"	5'0"	6'1"	-	-	-	-	1'9"	6'2"	81±
W=6'4"	9'7"	10'7"	6'0"	6'1"	-	-	-	-	1'9"	6'2"	101±
W=7'4"	11'7"	12'7"	7'0"	6'1"	-	-	-	-	1'9"	6'2"	121±
W=8'4"	13'7"	14'7"	8'0"	6'1"	-	-	-	-	1'9"	6'2"	141±

* NOTE: a₃ BARS TO BE PLACED APPROX. 2" BELOW TOP OF INLET COVER

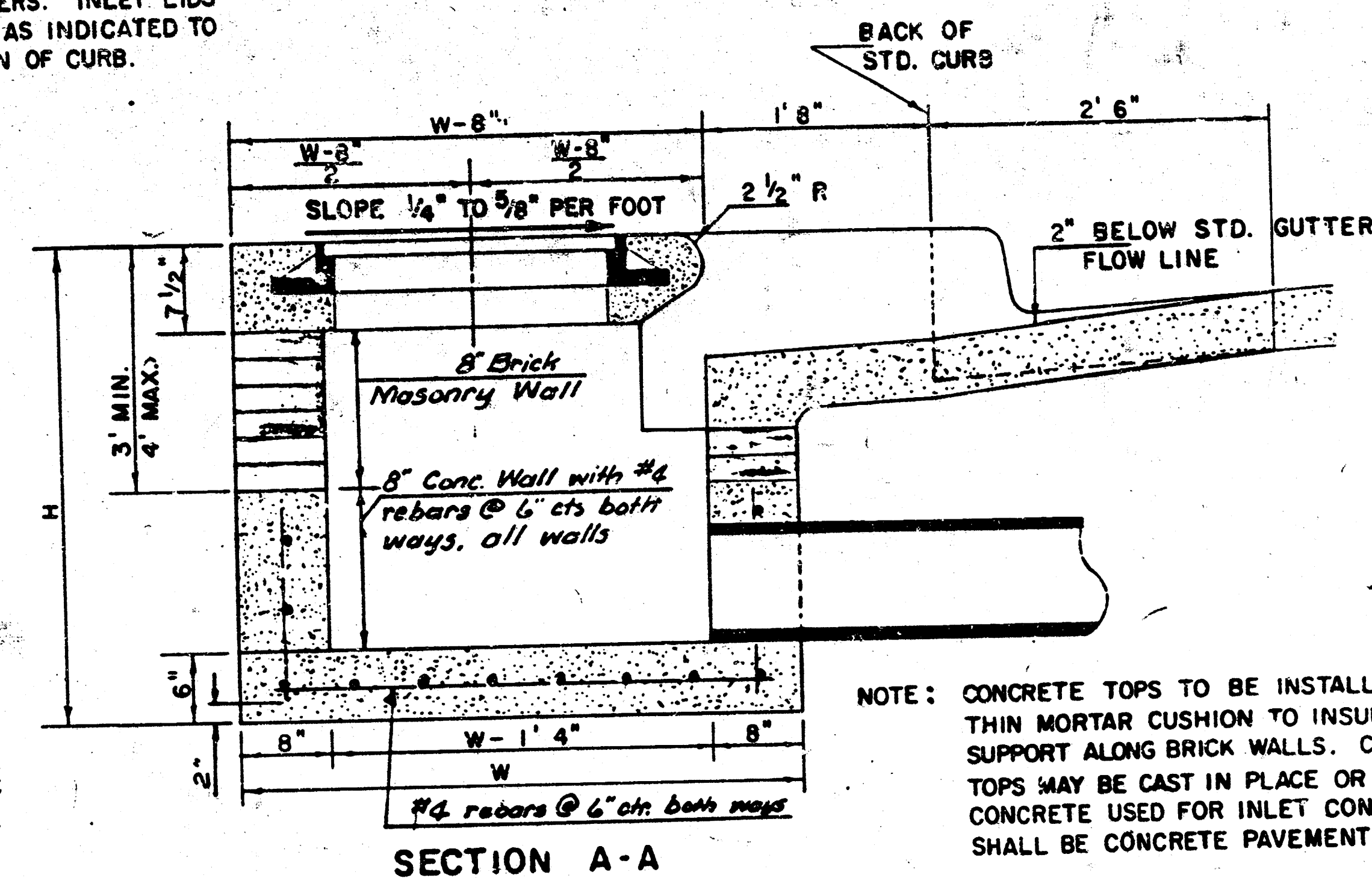
BENDING DIAGRAM

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' 6" 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 ±

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: b₃ bar to be field bent to clear manhole frame.

TRANSITION CURB TO MATCH INSIDE OF INLET WALL THROUGH RADIUS



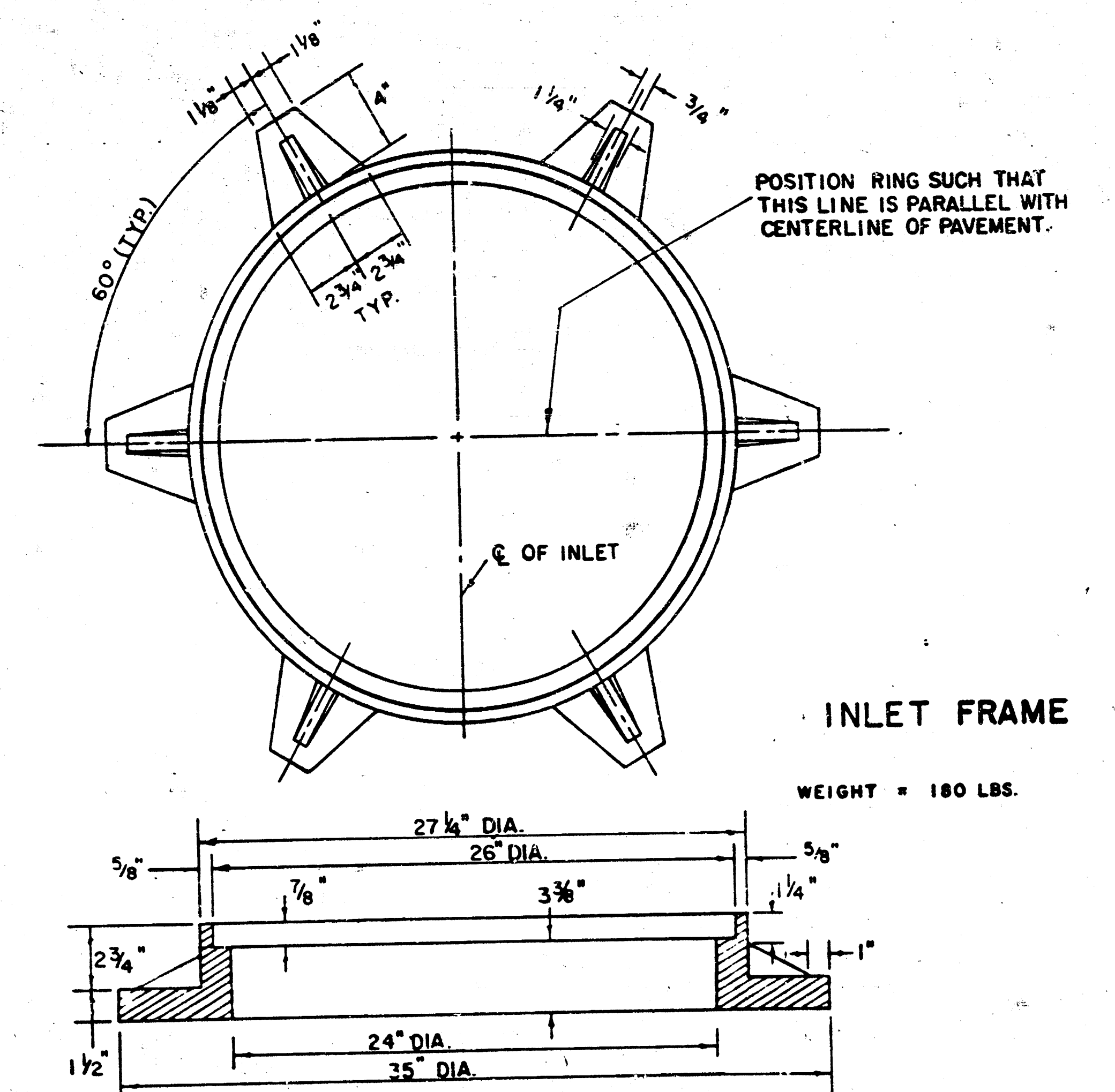
SECTION A-A

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.

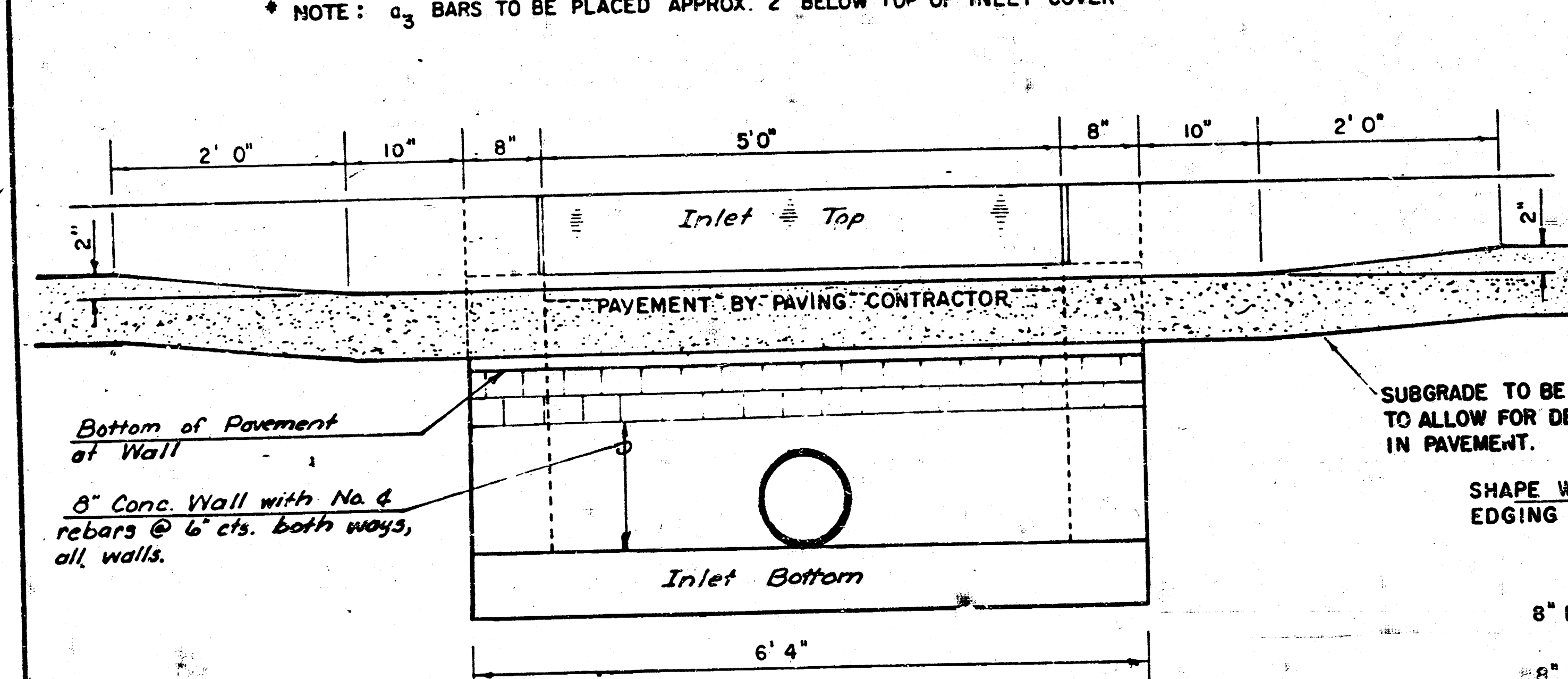
INLET INVERT SHALL BE SHAPED WITH 8" SAND MIX CONCRETE TO CREATE FLOW CHANNELS AND TO INCREASE HYDRAULIC EFFICIENCY SUCH THAT THE INLET WILL BE SELF CLEANING BETWEEN ALL INLET AND/OR OUTLET PIPES.

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

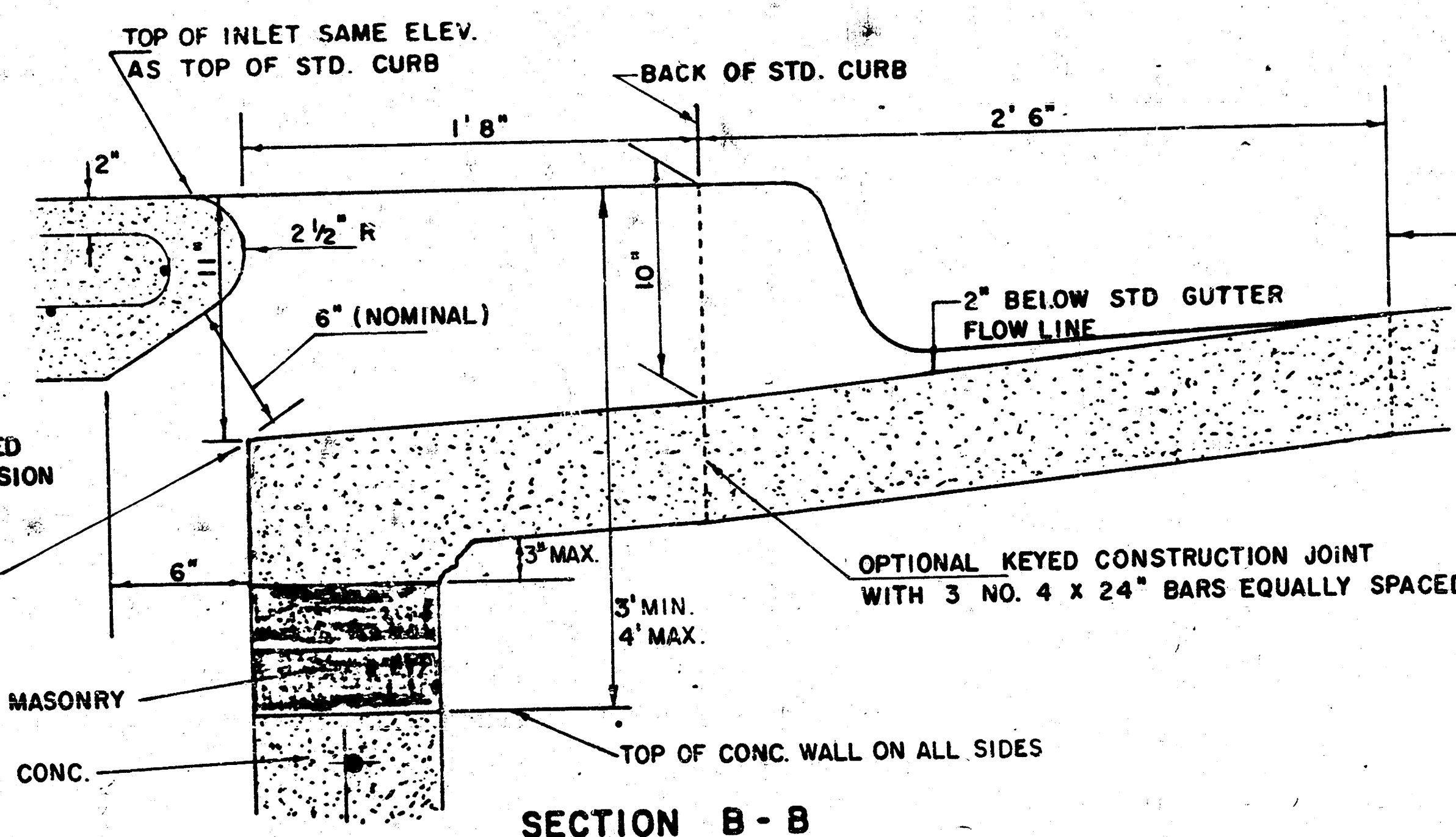


INLET FRAME

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



SECTION C-C



SECTION B-B

REVISED 12-21-1984

PROJECT NO. 472-76-245-81585-000-000-001

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

JUNE 1984

8/8