GENERAL NOTES:

1. Notify the following companies prior to any excavation:

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

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 permissable slopes to match the existing ground surface.

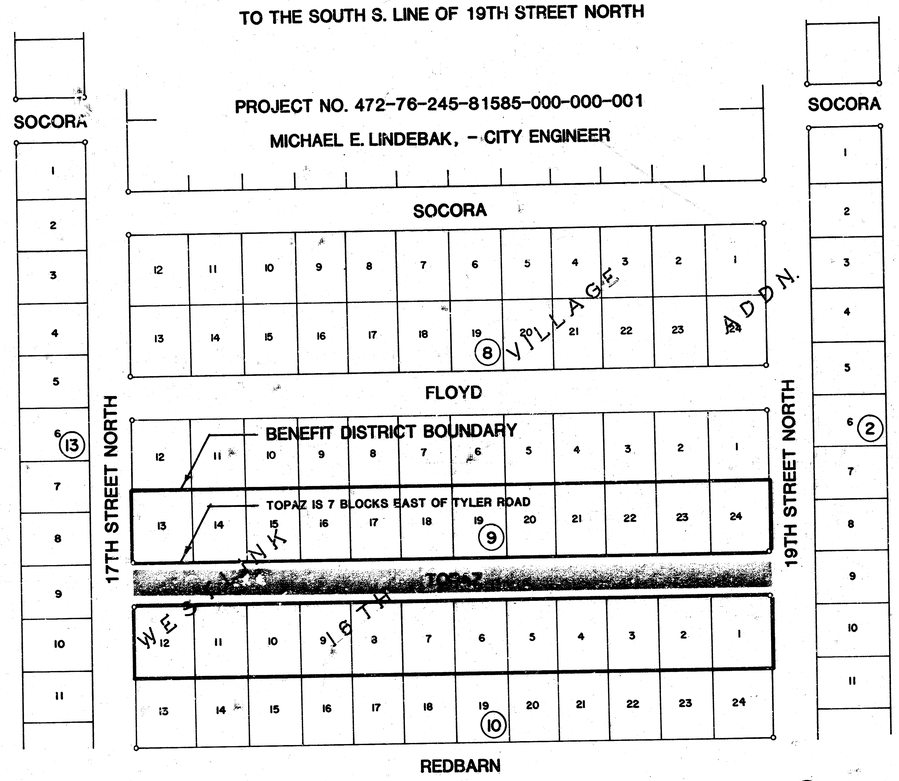
3. The Contractor shall be responsible for preserving property irons. The Contractor will be required to re-establish any property irons which are damaged or destroyed by his construction operations. Such irons shall be re-established by a licensed land surveyor or a licensed professional engineer in accordance with state laws.

CONSTRUCTION PLANS
FOR
STREET IMPROVEMENTS

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

TOPAZ FROM THE N. LINE OF 17TH STREET NORTH

TO THE SOUTH S. LINE OF 19TH STREET NORTH



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

MICHAEL E. LINDEBAK, - CITY ENGINEER

NOVEMBER 1986

SCALE: 1" = 100'

PLANS PREPARED
BY

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

INDEX

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CROSS SECTIONS STA. 7+00 TO STA. 10+00	SHEET 7
TYPE 1A CURB INLET	SHEET 8

BENCH MARKS

1. B.M. 169.949 City of Wichita Standard Disk. 38' West and 90' South of Centerline Tyler and 21ST St.

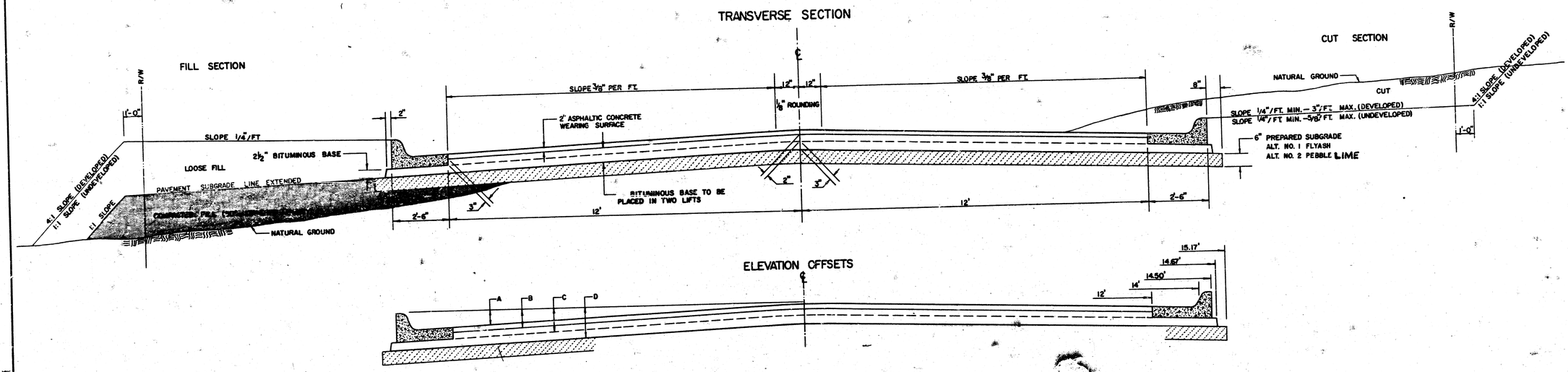
2. B.M. 161.34 "□" Cut on S.E. Cor. Cb. Inlet at S.W. Cor. of 19TH and Reca.

3. B.M. 159.83 " " Cut on N.E. Cor. Cb. Inlet at N.W. Cor. 17TH and Topaz.

KENNY E. HILL
LICENSED
7690
KANSAS
PROFESSIONAL ENGINEER

TYPICAL 29' PAVEMENT DETAILS

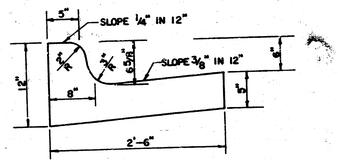
TRANSVERSE SECTION



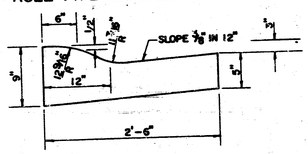
ELEVATION OFFSETS

	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.

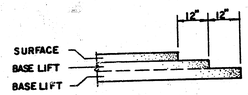
3) A TACK COAT OF EMULSIFIED ASPHALT (SC-1H OR CSS-1H) SHALL BE APPLIED AT AN APPROXIMATE RATE OF 0.05 GALLONS PER SQUARE YARD BETWEEN EACH LIFT OF ASPHALTIC MATERIAL.

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

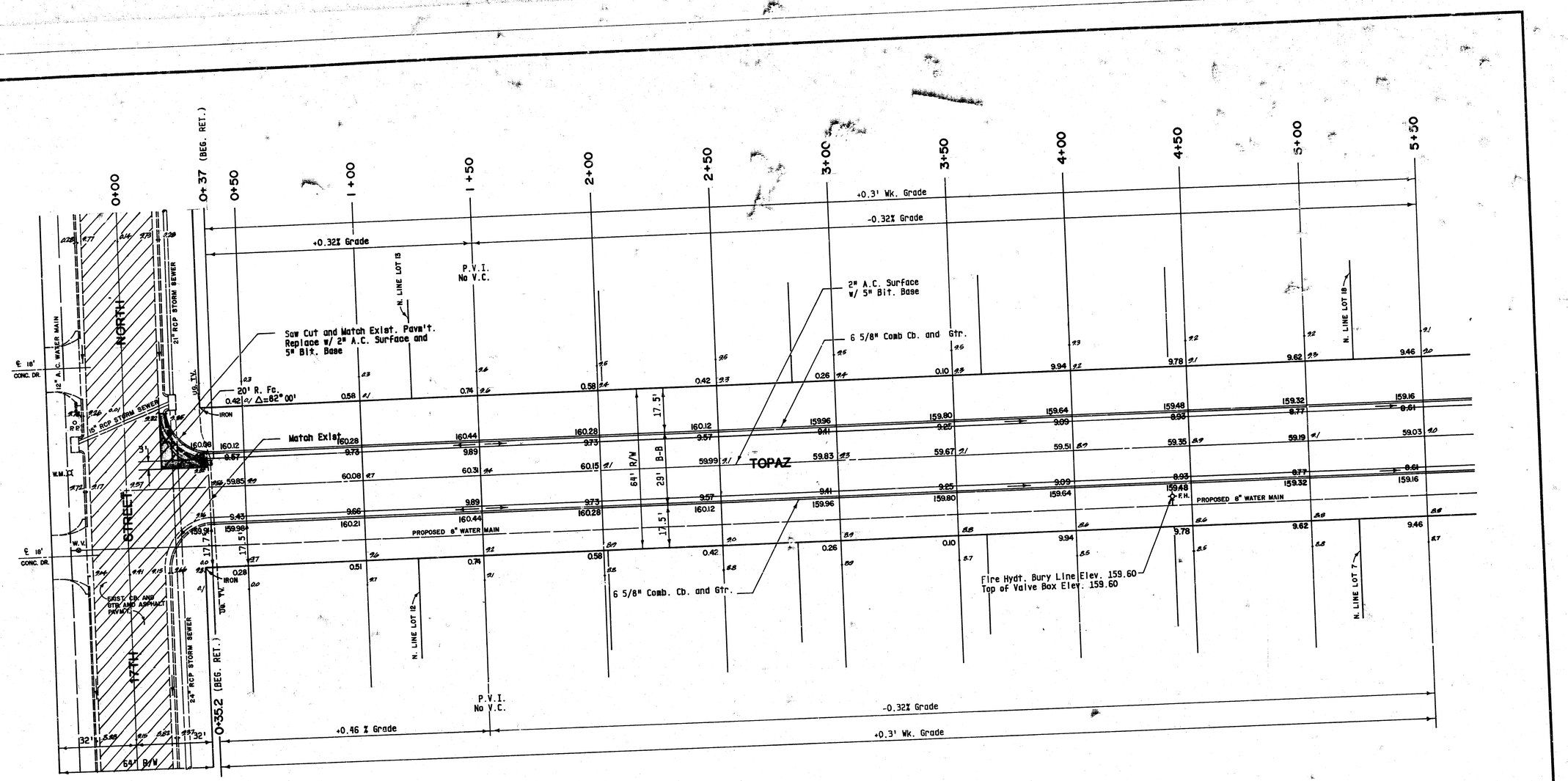


TRANSVERSE CONSTRUCTION JOINTS SHALL BE CONSTRUCTED IN FLEXIBLE BASE PAVEMENTS AT LOCATIONS WHERE PAVEMENT JOINS EXISTING FLEXIBLE BASE PAVEMENT AS SHOWN BY THE DETAIL. ALL COSTS ASSOCIATED WITH THE CONSTRUCTION OF THE TRANSVERSE JOINT SHALL BE INCLUDED IN THE BID PRICE FOR SQUARE YARDS 7" ASPHALTIC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

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
SHEET: 2 OF 8
PROJECT NUMBER
472-76-245-81585-000-000-001



INTERSECTION QUANTITIES

____	S.Y. 2" Asphalt Surface
18.0	S.Y. 7" Asphaltic Conc. Pavement (5" Bituminous Base)
8.0	S.Y. 2½" 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

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.

N

SCALE: 1"= 20'

POE & ASSOCIATES OF KANSAS INC.
CONSULTING ENGINEERS
434 N. Clifton, Suite 110 Wichita, KS 67202 316/685-4114

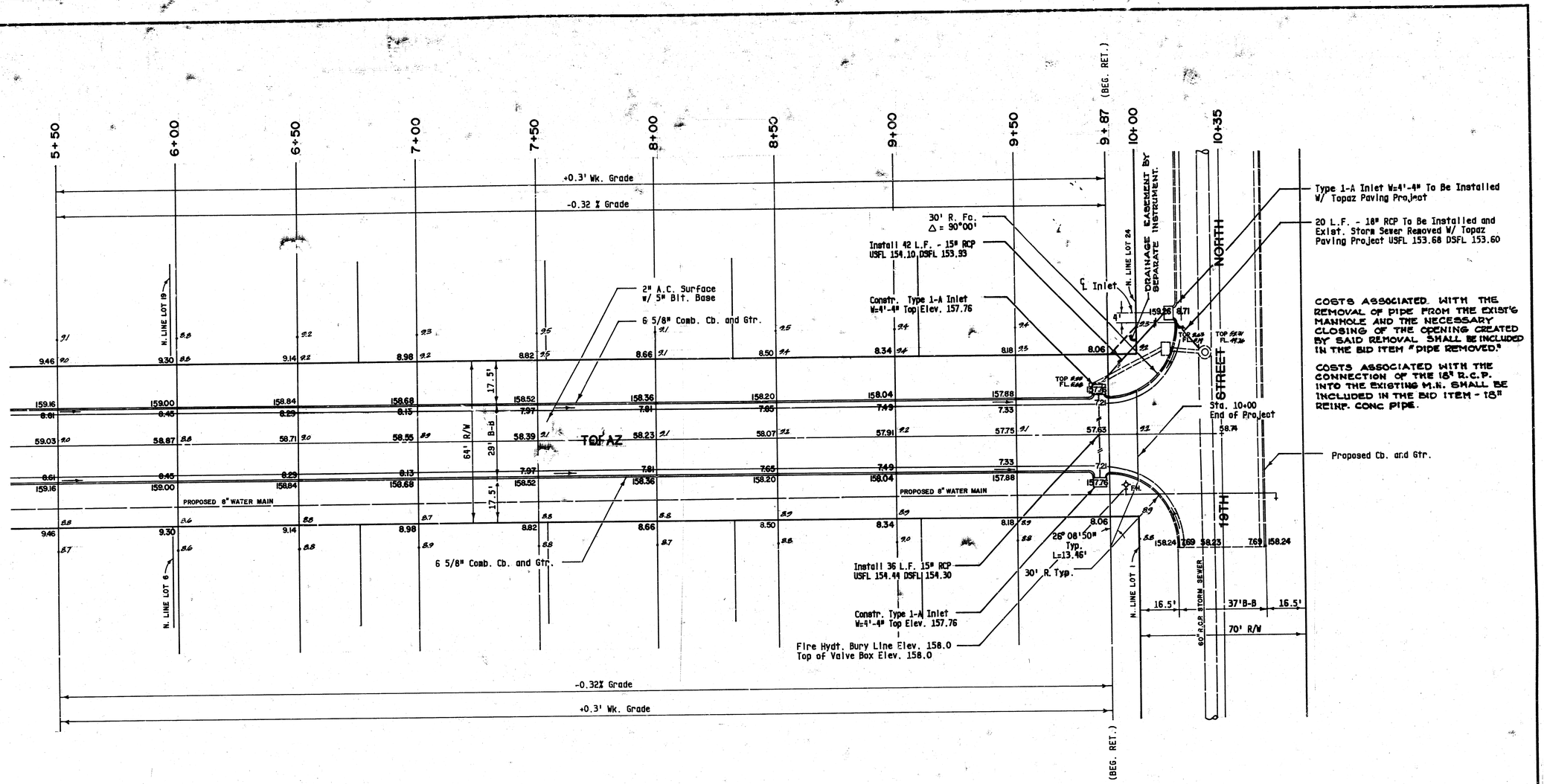
DESIGNED BY K.H.
DRAWN BY B.H.
CHECKED BY
DATE NOV. 1986
SHEET 3 OF 8

CITY OF WICHITA, KANSAS

WESTLINK VILLAGE 16TH ADDITION

STREET IMPROVEMENTS
TOPAZ STA. 0+00 TO STA. 5+50

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



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

DESIGNED BY	K.H.
DRAWN BY	B.H.
CHECKED BY	
DATE	NOV. 1986
SHEET	4 OF 8

CITY OF WICHITA, KANSAS

WESTLINK VILLAGE 16TH ADDITION

STREET IMPROVEMENTS
TOPAZ STA. 5+50 TO STA. 10+35.2

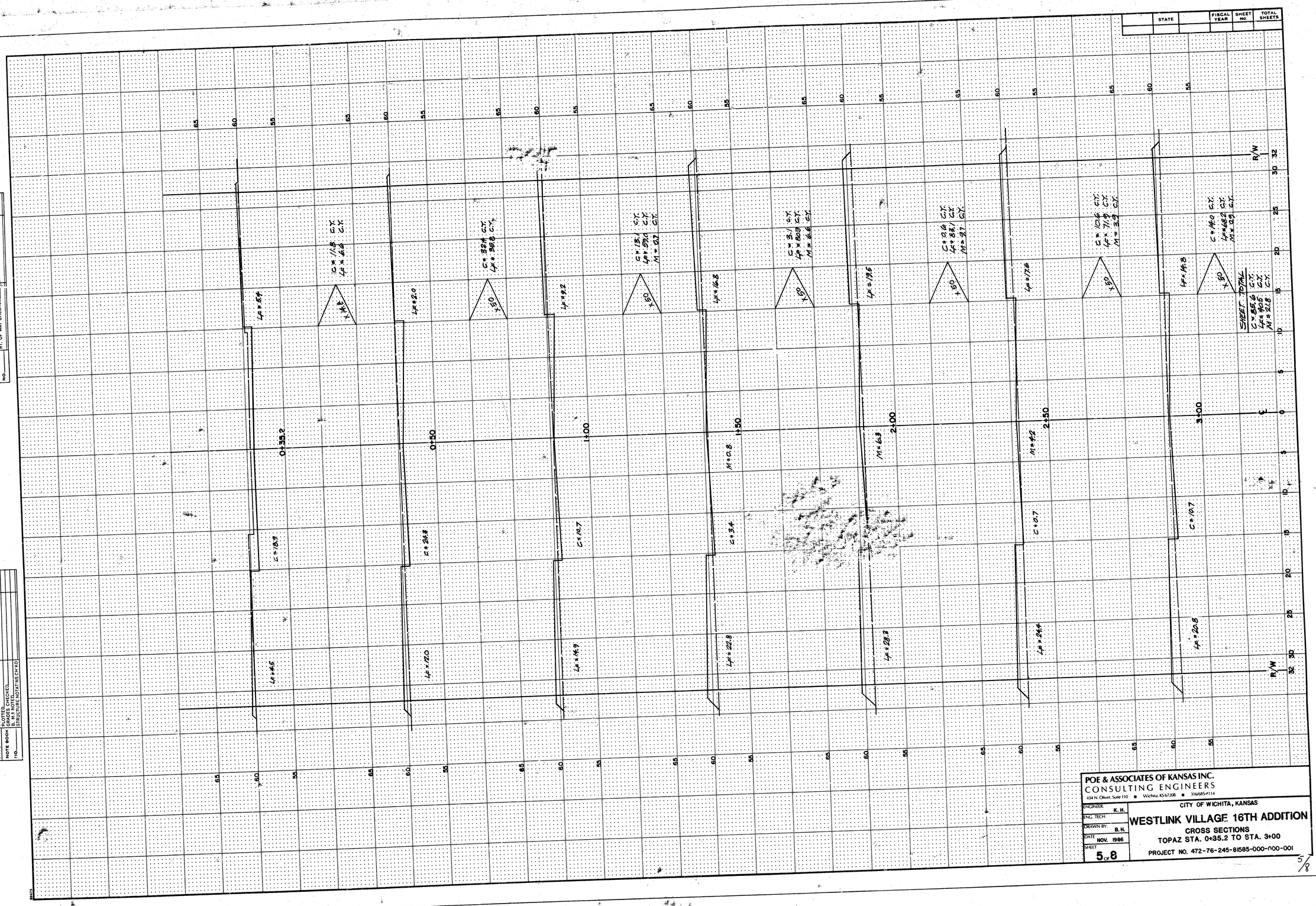
PROJECT NO. 472-76-245-81585-000-000-001

4/8

	STATE		FISCAL YEAR	SHEET NO.	TOTAL SHEETS

PLAN
SURVEYED
PLOTTED
NOTE BOOK
NO.
ALIGNMENT CHECKED
RT. OF WAY CHECKED
BY
DATE

PROFILE
SURVEYED
PLOTTED
NOTE BOOK
NO.
GRADE CHECKED
R/W NOTED
STRUCTURE NOTATIONS CHKD
BY
DATE



POE & ASSOCIATES OF KANSAS INC.
CONSULTING ENGINEERS
434 N. Oliver, Suite 110 ■ Wichita, KS 67208 ■ 316/685-1114

CITY OF WICHITA, KANSAS

WESTLINK VILLAGE 16TH ADDITION

CROSS SECTIONS
TOPAZ STA. 0+35.2 TO STA. 3+00

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

ENGINEER:	K. H.
ENG. TECH:	
DRAWN BY:	B. H.
DATE	NOV. 1986
SHEET	5 OF 8

5/8

STATE	FISCAL YEAR	SHEET NO.	TOTAL SHEETS

POE & ASSOCIATES OF KANSAS INC.
CONSULTING ENGINEERS
234 N. Cypress, Suite 110 ■ Wichita, KS 67208 ■ 316/685-2113

DESIGNED: K. H.
DRAWN BY: B. H.
CHKD. TECH:
DATE: NOV. 1996
SHEET: 6 of 8

CITY OF WICHITA, KANSAS

WESTLINK VILLAGE 16TH ADDITION

CROSS SECTIONS
TOPAZ STA. 3+50 TO STA. 6+50

PROJECT NO. 472-76-245-8585-000-001

6.8

PLAN			
NOTE BOOK	SURVEYED.	BY	DATE
NO.	PLOTTED.		
	ALIGNMENT CHECKED.		
	RT. OF WAY CHECKED.		

PROFILE			
NOTE BOOK	SURVEYED	BY	DATE
NO.	PLOTTED.		
	GRADES CHECKED.		
	B. M'S NOTED.		
	STRUCTURE NOTATNS CH'KD		

STATE		FISCAL YEAR	SHEET NO.	TOTAL SHEETS

PLAN
SURVEYED BY:
PLOTTED BY:
NOTE BOOK
NO.
ALIGNMENT CHECKED
RT. OF WAY CHECKED
DATE

PROFILE
SURVEYED BY:
PLOTTED DATE:
NOTE BOOK
NO.
GRADES CHECKED
B.M. NOTE NOTATNS CHKD
STRUCTURE NOTATNS CHKD
DATE

7+00 7+50 8+00 8+50 9+00 9+50 9+872 10+00

R.W. 32 30 25 20 15 10 5 0 5 10 15 20 25 30 32 R.W.

L=2.0
C=91.8 C.Y. L=1.9
C=190.1 C.Y.
C=150.2 C.Y.
C=177.4 C.Y.
C=197.6 C.Y.
C=158.2 C.Y.
C=82.2 C.Y.
X 50
X 50
X 60
X 60
X 60
X 47.8
X 18.6
C=90.1
C=53.0
C=70.1
C=92.1
C=88.5
C=129.9
C=115.8
C=104.2

SHEET TOTAL
C= 894.9 C.Y.
L= 1.9 C.Y.

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

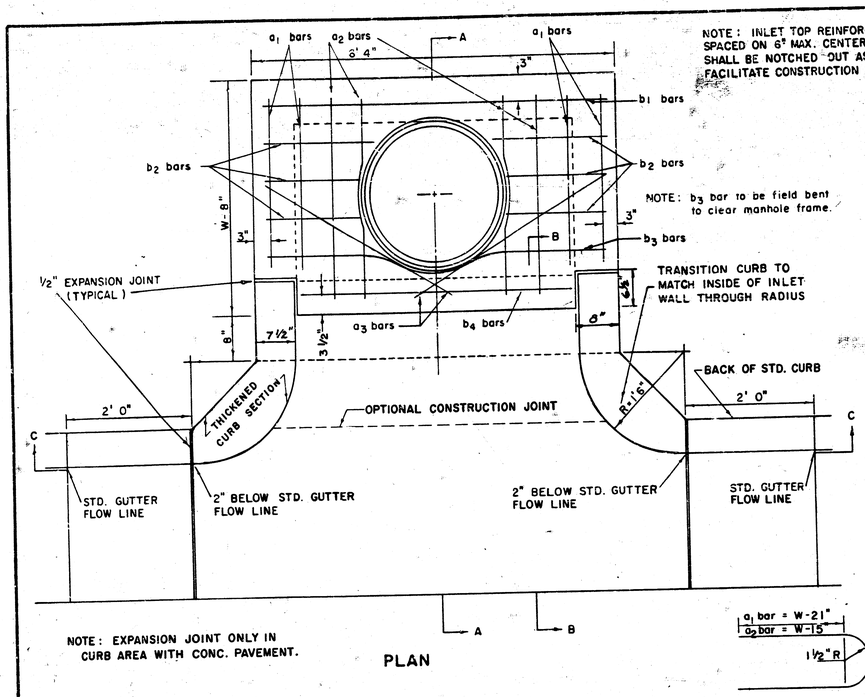
ENGINEER:	K. H.
ENG. TECH:	
DRAWN BY:	B. H.
DATE:	NOV. 1996
SHEET	7 OF 8

CITY OF WICHITA, KANSAS

WESTLINK VILLAGE 16TH ADDITION

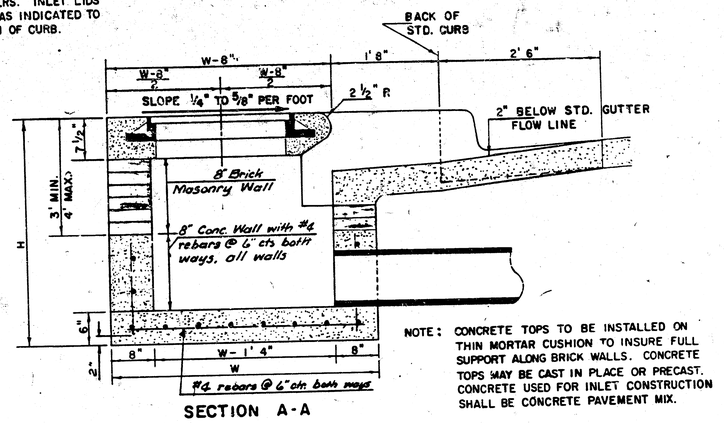
CROSS SECTIONS
TOPAZ STA. 7+00 TO STA. 10+00

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



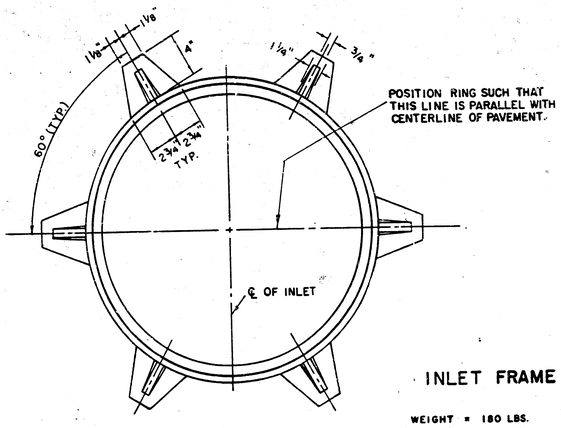
NOTE: INLET TOP REINFORCING SHALL BE SPACED ON 6" MAX. CENTERS. INLET LIDS SHALL BE NOTCHED OUT AS INDICATED TO FACILITATE CONSTRUCTION OF CURB.

NOTE: b_3 bar to be field bent to clear manhole frame.



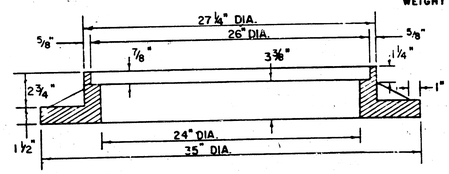
SECTION A-A

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.



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.

STEEL SCHEDULE

BAR	a_1	a_2	a_3*	b_1 W=4'4"	b_1 W=5'4"	b_1 W=6'4"	b_1 W=7'4"	b_1 W=8'4"	b_2	b_3	b_4	WT. LBS.
NUMBER	4	4	2	1	3	5	7	9	6	1	1	
SIZE	#4	#4	#4	#4	#4	#4	#4	#4	#4	#4	#6	
LENGTH W=4'4"	5'7"	6'7"	4'0"	6' 1"	–	–	–	–	1' 9"	6'2"	4'8"	60±
LENGTH W=5'4"	7'7"	8'7"	5'0"	–	6' 1"	–	–	–	1' 9"	6'2"	4'8"	81±
LENGTH W=6'4"	9'7"	10'7"	6'0"	–	–	6' 1"	–	–	1' 9"	6'2"	4'8"	101±
LENGTH W=7'4"	11'7"	12'7"	7'0"	–	–	–	6' 1"	–	1' 9"	6'2"	4'8"	121±
LENGTH W=8'4"	13'7"	14'7"	8'0"	–	–	–	–	6' 1"	1' 9"	6'2"	4'8"	141±

* NOTE: a_3 BARS TO BE PLACED APPROX. 2" BELOW TOP OF INLET COVER

BENDING DIAGRAM

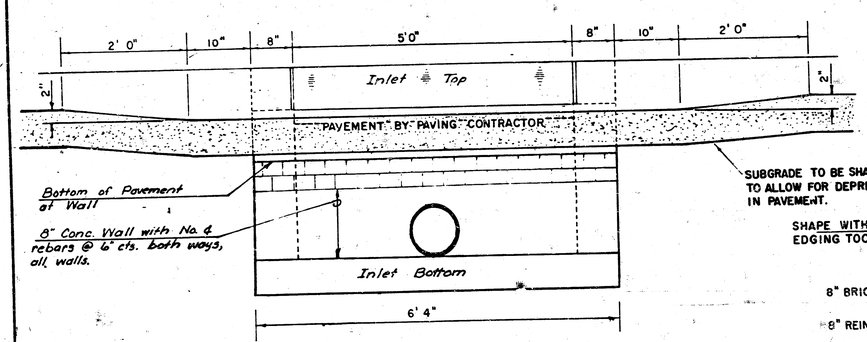
STANDARD CURB INLET PRECAST TOPS			
W	PRE-CAST TOP SIZE	PIPE SIZE	CU. YD. CONC.
4' 4"	3'8"x 6'4" x7 1/2"	21" & SMALLER	0.38 ±
5' 4"	4'8"x 6'4" x7 1/2"	24" & 30"	0.51 ±
6' 4"	5'8"x 6'4" x7 1/2"	36" & 42"	0.64 ±
7' 4"	6'8"x 6'4" x7 1/2"	48" & 54"	0.77±
8' 4"	7'8"x 6'4" x7 1/2"	60" & 66"	0.90±

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.

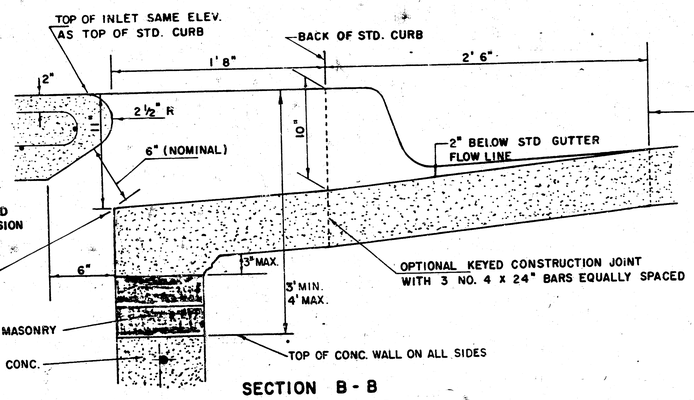
ADDITIONAL CURB AND GUTTER CONSTRUCTION NECESSARY TO CONNECT SET-BACK INLET TO PAVEMENT WILL BE PAID FOR AT THE UNIT PRICE BID FOR EACH INLET HOOKUP.

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.



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