CONSTRUCTION PLANS FOR STREET IMPROVEMENTS

THE CITY OF WICHITA, KANSAS

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

PORTWEST FROM S. LINE OF PORTWEST CT. TO N. LINE OF LOT 20, BLOCK 1, THE MOORINGS 4TH ADDN.

PORTWEST CIRCLE FROM S. LINE OF PORTWEST COURT TO AND INCLUDING CUL-DE-SAC

PORTWEST COURT FROM E. LINE OF PORTWEST TO AND INCLUDING CUL-DE-SAC

GENERAL NOTES:

1. Utility service lines, poles, valve boxes, meters and etcetra are to be adjusted as necessary by others prior to construction unless the plans specifically call for their adjustment by the Contractor. 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.

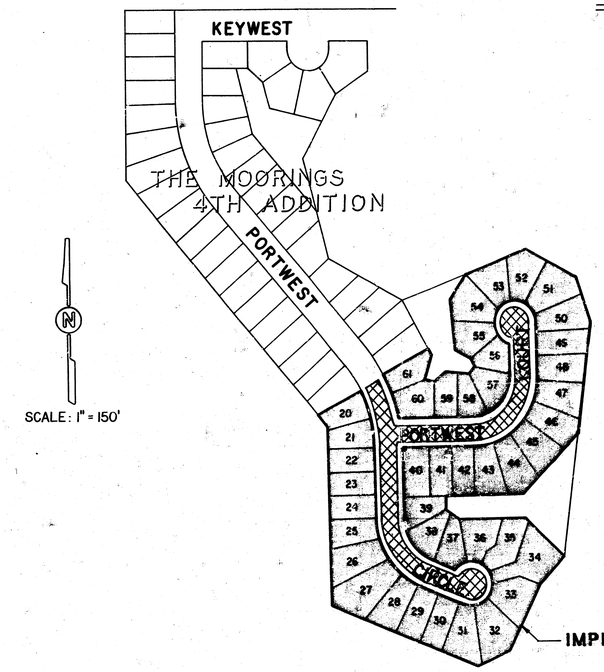
2. A saw cut of at least one-half the depth of existing surface courses or one-fourth the depth of the existing total pavement thickness shall be provided at locations where proposed construction abuts an existing surface course or pavement for which partial removal of that surface or pavement is required. 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 project costs.

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.

4. 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.

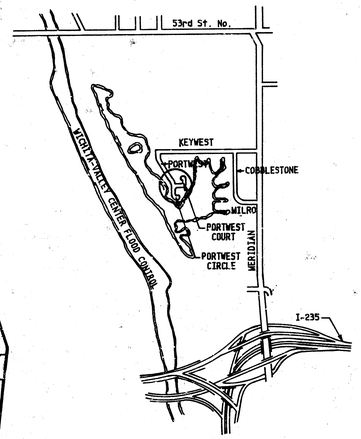
5. Limits of earthwork shall match existing ground elevations at the right-of-way line unless otherwise noted on the plans with a new finished grade elevation. When a new finished grade elevation is shown, the earthwork shall extend one foot beyond the right-of-way line and then slope up or down using permissable slopes to match the existing ground surface.

6. 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.



SCALE: 1" = 150'

IMPROVEMENT DISTRICT



VICINITY MAP
NOT TO SCALE

INDEX

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BENCH MARKS

(City of Wichita Datum)

1. "C" cut in S. Hdwl. of culvert of 45th Street No. and Meridian.
   Elev. 141.07
2. Railroad Spk. in S. face of power pole N. side Keywest 250'± East & 53'± North of the center of the intersection of Portwest & Keywest.
   Elev. 144.85
3. Top of West Curb at End of Exist. Pavement at N. Line Lot 20, The Moorings 4th Addn.
   Elev. 142.80
4. Top of East Curb at End of Exist. Pavement at N. Line Lot 20, The Moorings 4th Addn.
   Elev. 142.69

PROJECT NO. 472-76-245-81729-000-000-001

INDEX #602615

OCTOBER 1988

EARTHWORK SUMMARY

Excavation 1930.6 C.Y.

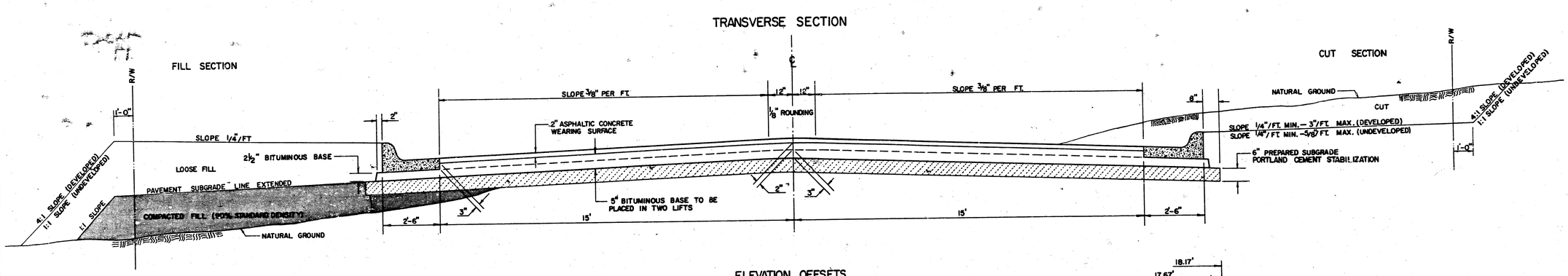
PLANS PREPARED BY

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

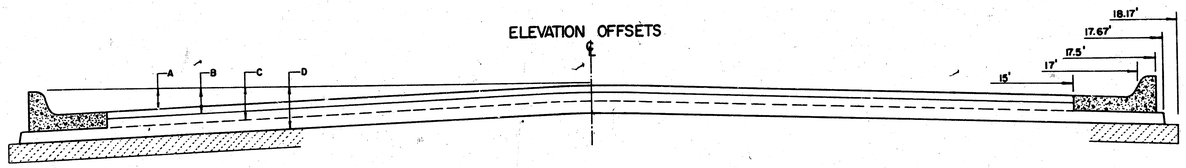
KENNY E. HILL
LICENSED
7690
KANSAS
PROFESSIONAL ENGINEER

TYPICAL 35' PAVEMENT DETAILS

TRANSVERSE SECTION

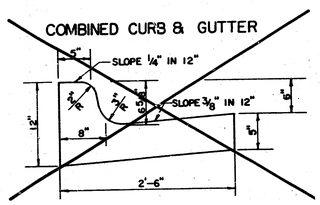


ELEVATION OFFSETS

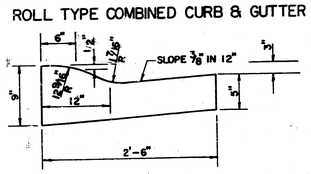


	DISTANCE FROM CENTERLINE (LT. & RT.)												
	0'	2'	4'	6'	8.5'	10'	12'	14'	15'	17'	17.5'	17.67'	18.17'
A: TOP OF CURBS TO TOP OF SURFACE LIFT	0.04	0.08	0.14	0.21	0.29	0.33	0.39	0.46	0.49	—	—	—	—
B: TOP OF CURBS TO TOP OF UPPER BASE LIFT	0.21	0.25	0.31	0.37	0.45	0.50	0.56	0.62	0.65	—	—	—	—
C: TOP 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.

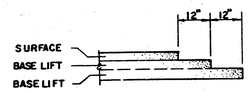
3) A TACK COAT OF EMULSIFIED ASPHALT (SC-1H OR CSS-1H) SHALL BE APPLIED AT AN APPROXIMATE RATE OF 0.05 GALLONS PER SQUARE YARD BETWEEN EACH LIFT OF ASPHALTIC MATERIAL.

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).

2/12

7 INCH RESIDENTIAL ASPHALTIC CONCRETE PAVEMENT WITH 5 INCH BITUMINOUS BASE

CITY OF WICHITA, KANSAS

PROJECT NUMBER
472-76-245-81729-000-000-001

	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS

△=67°30' L=160.78' R=137.49' T=91.00'

CURVE DATA BASED ON ℄ RADIUS △/2

STA.	℄ ARC	CHORD LENGTH 8' LT.	℄	8' RT.	DEFL.	TOTAL DEFL.
1+01 PC						
1+25	24	28.33	23.97	19.61	3°00'03"	5°00'03"
1+50	25	29.51	24.97	20.43	5°12'33"	10°12'55"
1+75	25	29.51	24.97	20.43	5°12'33"	15°25'08"
2+00	25	29.51	24.97	20.43	5°12'33"	20°37'41"
2+25	25	29.51	24.97	20.43	5°12'33"	25°50'13"
2+50	25	29.51	24.97	20.43	5°12'33"	31°02'46"
2+61.78 PT	11.78	13.91	11.77	9.63	2°27'14"	33°30'00"
DEFL./FT. = 0.20836667 DEG.				12.502 MIN.		

△=40°00' L=230.17' R=329.7' T=120.00'

CURVE DATA BASED ON ℄ RADIUS △/2

STA.	℄ ARC	CHORD LENGTH 8' LT.	℄	8' RT.	DEFL.	TOTAL DEFL.
4+17.78 PC						
4+50	32.22	29.77	32.21	34.65	2°47'59"	2°47'59"
4+75	25	23.10	24.98	26.89	2°10'20"	4°58'19"
5+00	25	23.10	24.98	26.89	2°10'20"	7°08'39"
5+25	25	23.10	24.98	26.89	2°10'20"	9°18'59"
5+50	25	23.10	24.98	26.89	2°10'20"	11°29'19"
5+64.04	14.04	12.97	14.04	15.10	1°13'12"	12°42'31"
6+47.95 PT	83.91	77.34	83.69	90.03	7°17'29"	20°00'00"
DEFL./FT. = 0.086895351 DEG.				5.21372105 MIN.		

INTERSECTION QUANTITIES

212.8 S.Y. 7" Asphalt Pavement (5" Bit. Base)
19.5 S.Y. 2 1/2" Bit. Base
235.9 S.Y. Manipulation
65.6 L.F. Roll Type Comb. Cb. & Gtr.

Scale: 1"=20'

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

PROFILE — SURVEYED, PLOTTED, NOTE BOOK, GRADES CHECKED, NO., ELEVATIONS (NGVD) (MSL) (NAD) (OTHER)

NOTE:
All Top of Curb Grades are to Top of Comb. Curb and Gutter. 0.25 must be subtracted from Top of Curb Elevations for Top of Roll Curb.

PORTWEST CIRCLE

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.B.
DATE	OCT. 1988
SHEET	3 OF 12

7" Inch Residential Asphaltic Concrete Pavement with 5" Bituminous Base
CITY OF WICHITA, KANSAS
PROJECT NUMBER
472-76-245-81729-000-000-001

3/12

STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS

△=90°00' L=194.78 R=124.00' T=124.00'

CURVE DATA BASED ON ℄ RADIUS △/2

STA.	℄ ARC	CHORD LENGTH 8' LT.	CHORD LENGTH ℄	CHORD LENGTH 8' RT.	DEFL.	TOTAL DEFL.
1+69.7 PC						7°00'01"
2+00	30.3	24.13	30.22	36.32	7°00'01"	14°00'02"
2+25	25	19.93	24.96	29.99	5°46'33"	19°33'07"
2+50	25	19.93	24.96	29.99	5°46'33"	24°19'39"
2+75	25	19.93	24.96	29.99	5°46'33"	30°06'12"
3+00	25	19.93	24.96	29.99	5°46'33"	35°52'45"
3+25	25	19.93	24.96	29.99	5°46'33"	41°39'18"
3+50	25	19.93	24.96	29.99	5°46'33"	45°00'00"
3+64.48 PT.	14.48	11.55	14.47	17.39	3°20'42"	45°00'00"
DEFL./FT. = 0.231032270 DEG.						13.861936191 MIN.

PLAN — SURVEYED ... PLOTTED ... PASSED CHECKED ... NOTE BOOK ... R/W AGREEMENTS CHECKED ... NO. ... RT. OF WAY CHECKED ... DATE

PROFILE — SURVEYED ... PLOTTED ... PASSED CHECKED ... NOTE BOOK ... B. M.'S NOTED ... NO. ... STRUCTURE NOTATIONS CHECKED ... DATE ... BY

64' R/W
35' B-B
14.5'
TREES
COTTONWOOD
0+00
0+04.15
End Ref.
SMALL
REMOVE TREES IN R/W
LARGE COTTONWOOD (1)
SMALL COTTONWOODS (4)
Roll Type Comb. Cb. and Gtr. (3 5/8" and 1 1/2")
7" A.C. Pavm't. w/5" Bit. Base
+0.32% Grade
Wk. Grade +0.55'
+0.4165 % Grade
PORTWEST
PROPOSED WATER LINE
PROPOSED SAN. SEWER
0+05.7
0+10.7
0+50
1+00
1+50
P.C. 1+69.7
2+00
2+25
2+50
2+75
3+00
3+25
3+50
3+64.48 P.T.
4+00
4+50
4+78.48 P.C.
R=92.0'
R=107.0' Fc.
℄ R=124.0'
R=141.0 Fc.
R=156.0'
P.V.I. NO V.C. ELEV. 145.44
45°00' +0.32% Grade
45°00' +0.3423% Grade
Wk. Grade +0.55'
4+30.48
4+26.87
End Ref.
20' R. Fc. △=69°47'26" L=24.36'
+0.3423% Grade
+0.32% Grade
50' R.
35' R. Fc.
27.49'
9" COTTONWOOD
LARGE COTTONWOOD (1) SMALL COTTONWOODS (2)
(5) SMALL COTTONWOODS
(10) SMALL COTTONWOODS
(3) SMALL COTTONWOODS
8" a 12" COTTONWOOD
SMALL COTTONWOODS (6)
PORTWEST COURT
SMALL COTTONWOODS (21)
8" COTTONWOOD
LARGE COTTONWOOD (1) SMALL COTTONWOODS (9) AND BRUSH PILE
Roll Type Comb. Cb. and Gtr. (3 5/8" and 1 1/2")
+0.32% Grade
Wk. Grade +0.55'
N
Scale: 1"=20'

NOTE:
All Top of Curb Grades are to Top of Comb. Curb and Gutter. 0.25' must be subtracted from Top of Curb Elevations for Top of Roll Curb.

PORTWEST COURT

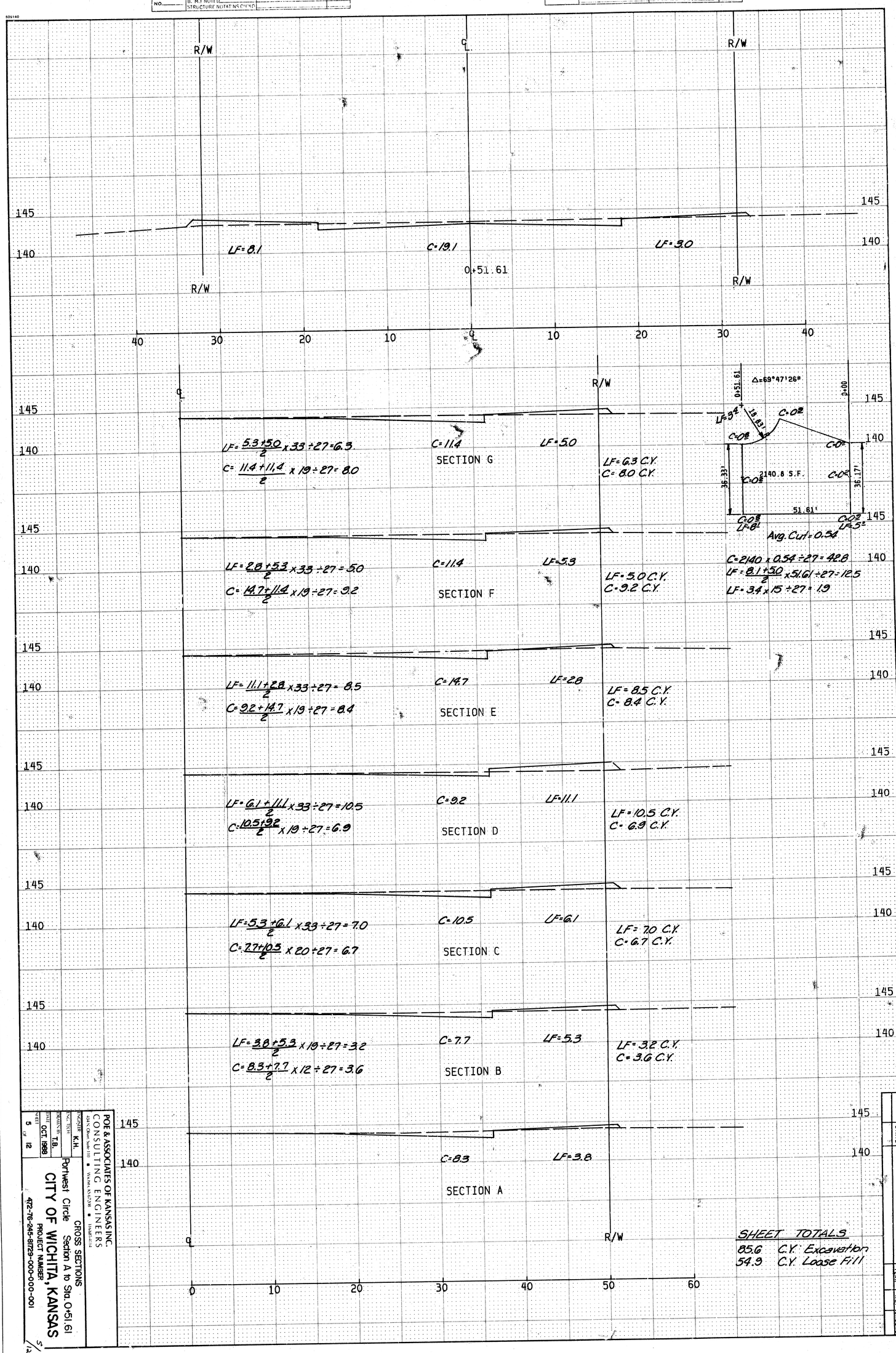
POE & ASSOCIATES OF KANSAS INC.
CONSULTING ENGINEERS
434 N. Oliver, Suite 110 ■ Wichita, KS 67208 ■ 316/683-4114

ENGINEER	K.H.
ENG. TECH.	
DRAWN BY	T.B.
DATE	OCT. 1988
SHEET	4 OF 12

7" Inch Residential Asphaltic Concrete Pavement with 5" Bituminous Base
CITY OF WICHITA, KANSAS 4/12
PROJECT NUMBER
472-76-245-81729-000-000-001

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

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



SHEET TOTALS
85.6 C.Y. Excavation
54.9 C.Y. Loose Fill

POE & ASSOCIATES OF KANSAS INC.
CONSULTING ENGINEERS
245 N. Waco Suite 100 ■ Wichita, KANSAS ■ Established

Portwest Circle
CROSS SECTIONS
Section A to Sta. 0+51.61

CITY OF WICHITA, KANSAS

PROJECT NUMBER
472-76-245-81729-000-000-001

ENGINEER	K.H.
DRAWN BY	T.B.
DATE	OCT. 1998
SHEET NO.	5
OF SHEETS	12

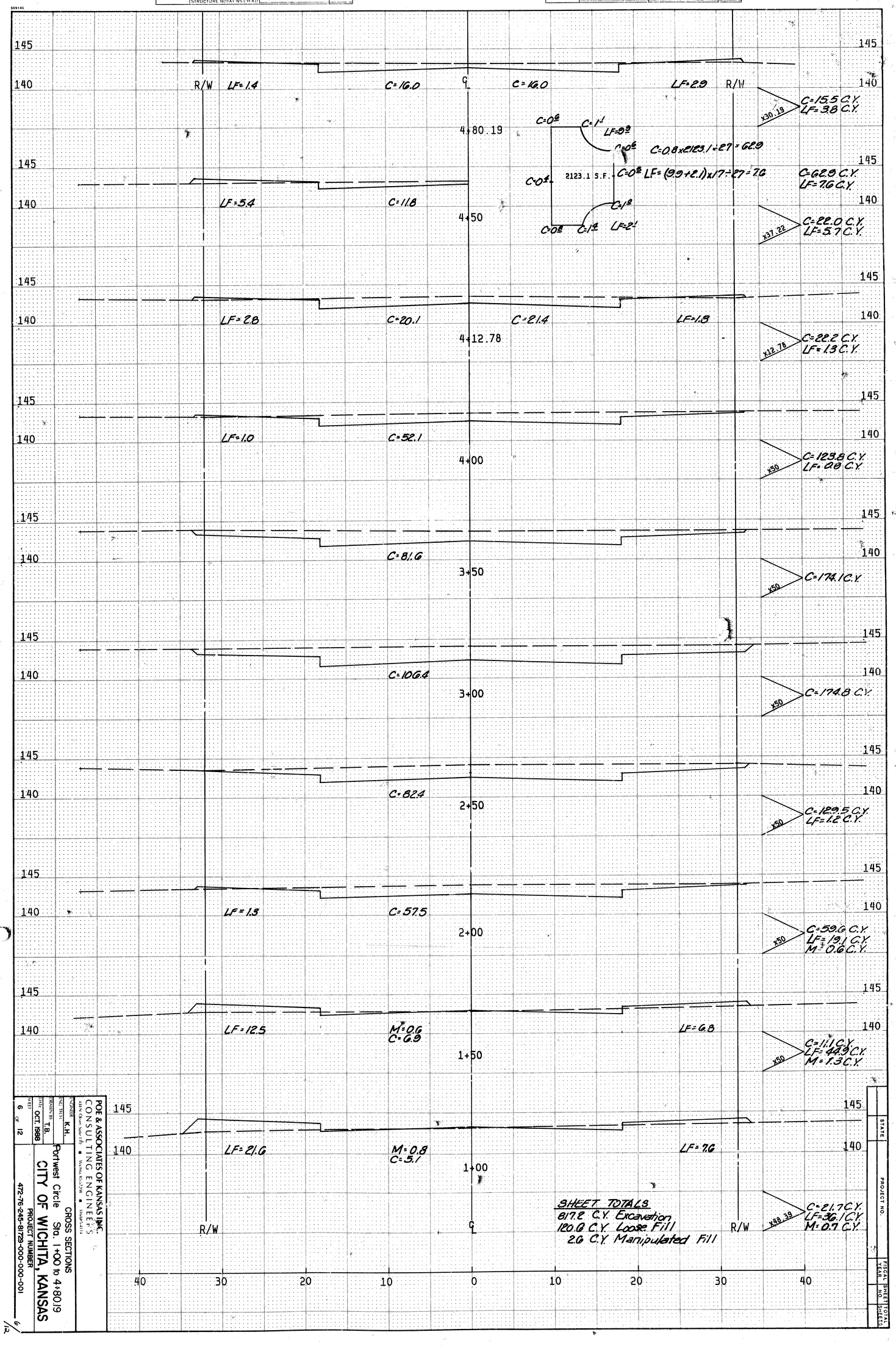
STATE		
PROJECT NO.		
FISCAL YEAR	SHEET NO.	TOTAL SHEETS

5/12

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

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

509140



POE & ASSOCIATES OF KANSAS INC.
CONSULTING ENGINEERS
Salina, Kansas 67401 • Wichita, Kansas 67208 • Hays, Kansas 67601

CROSS SECTIONS
Portwest Circle Sta. 1+00 to 4+80.19
CITY OF WICHITA, KANSAS

DESIGNER	K.H.
DRAWN BY	T.B.
DATE	OCT. 1988
SHEET	6 OF 12

PROJECT NUMBER
472-76-245-81729-000-000-001

STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS

6/12

STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS

SHEET TOTALS
112.4 C.Y. Excavation
79 C.Y. Loose Fill

40 30 20 10 0 10 20 30 40

R/W ℄ R/W

5+00

140 140

145 145

C=30.4 LF=0.0

C=25.1CY LF=2.6CY

X19.81

LF=2.8

5+50

140 140

145 145

C=40.4 LF=2.2

C=7.1CY LF=4.7CY

X30

5+64.04

140 140

145 145

C=21.8

C=.16CY LF=.06CY

X19.04

R/W ℄ R/W

POE & ASSOCIATES OF KANSAS INC.
CONSULTING ENGINEERS
224 S. Clifton, Suite 110 • Wichita, KS 67207 • (316) 685-2500

ENGINEER	K.H.
ENG. TECH	
DRAWN BY	T.B.
DATE	OCT. 1988
SHEET	7 OF 12

CROSS SECTIONS
Portwest Circle Sta. 5+00 to 5+64.04
CITY OF WICHITA, KANSAS
PROJECT NUMBER
472-76-245-8729-000-000-001

7/12

PROFILE	BY	DATE
SURVEYED		
PLOTTED		
GRADES CHECKED		
R. M.'s NOTED		
STRUCTURE NOTATIONS CHKD		
NO.		
NOTE BOOK		

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

5091610

PROJECT NO	STATE	FISCAL YEAR	SHEET NO	TOTAL SHEETS

SHEET TOTALS
8190 CY Excavation
62.9 CY Loose Fill

40 30 20 10 ℄ 10 20 30 40

R/W ℄ R/W

140 145

0+10.7 C=23.7 LF=2.3 LF=16.8

X 38.3 C=532 CY LF=152 CY

0+50 C=50.1 LF=1.8

X 50 C=121 CY LF=17 CY

1+00 C=80.7

X 50 C=1478 CY

1+50 C=78.9

X 50 C=1933 CY

2+00 C=95.8

X 50 C=798 CY LF=23 CY

2+50 C=48.0

X 50 C=547 CY LF=12.3 CY

3+00 C=38.2 LF=2.5

X 50 C=480 CY LF=22.1 CY

3+50 C=20.9 LF=9.2 LF=1.0

X 26.67 C=249 CY LF=9.3 CY

4+00 C=25.5 LF=3.8 LF=9.3

POF & ASSOCIATES OF KANSAS INC.
CONSULTING ENGINEERS
245 N. Waco, Suite 110 ■ Wichita, KANSAS ■ (316) 267-0314

CROSS SECTIONS
Portwest Court Sta. 0+10.7 to 4+00
CITY OF WICHITA, KANSAS
PROJECT NUMBER
472-76-245-81729-000-000-001

ENGINEER	K.H.
PROJ. NO.	
DRAWN BY	T.B.
DATE	OCT. 1988
SHEET	8 OF 12

8/12

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

PROFILE			
NOTE BOOK NO	SURVEYED PLOTTED GRADES CHECKED B.M.'s NOTED STRUCTURE NOTATIONS CHKD	BY	DATE

PROFILE		BY	DATE
NOTE BOOK	SURVEYED		
NO.	PLOTTED		
	GRADES CHECKED		
	U. M.S. NOTED		
	STRUCTURE NOTATIONS CHECKED		

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

509140

℄ R/W

145 140 145 140 145 140 145 140 145 140 145 140 145 140

M=0.8 SECTION G C=6.0 LF=14.0 LF=11.4 C.Y. C=6.6 C.Y.

LF= (14.0+4.7)/2 x 33 ÷ 27 = 11.4

C= (6.0+12.8)/2 x 19 ÷ 27 = 6.6

M=0.7 SECTION F C=12.8 LF=4.7 LF=5.7 C.Y. C=8.4 C.Y.

LF= (4.7+4.7)/2 x 33 ÷ 27 = 5.7

C= (12.8+11.0)/2 x 19 ÷ 27 = 8.4

M=0.8 SECTION E C=11.0 LF=4.7 LF=7.5 C.Y. C=7.4 C.Y.

LF= (4.7+7.6)/2 x 33 ÷ 27 = 7.5

C= (11.0+9.9)/2 x 19 ÷ 27 = 7.4

M=0.5 SECTION D C=9.9 LF=7.6 LF=9.4 C.Y. C=9.3 C.Y.

LF= (7.8+7.6)/2 x 33 ÷ 27 = 9.4

C= (16.5+9.9)/2 x 19 ÷ 27 = 9.3

M=0.5 SECTION C C=16.5 LF=7.8 LF=6.6 C.Y. C=11.4 C.Y.

LF= (3.0+7.8)/2 x 33 ÷ 27 = 6.6

C= (15.8+16.5)/2 x 19 ÷ 27 = 11.4

M=0.7 SECTION B C=15.8 LF=3.0 LF=1.6 C.Y. C=7.2 C.Y.

LF= (1.6+3.0)/2 x 19 ÷ 27 = 1.6

C= (16.5+15.8)/2 x 12 ÷ 27 = 7.2

M=0.6 SECTION A C=16.5 LF=1.6

℄ R/W

0 10 20 30 40 50

M Average 0.66 x 13 ÷ 27 = 0.3 C.Y.

36.17' C=0° C=0° C=0° LF=14° 4+78.48

2140.8 S.F. 51.81'

C=1° LF=2° 18.83' C=1° 4+26.87 C=1° C=0° LF=2°

Δ=69°47'26" 36.33'

C= 2140.8 x 0.57 ÷ 27 = 45.2 C.Y.

LF= (14.0+2.4)/2 x 51.61 ÷ 27 = 15.7 C.Y.

LF= 2.4 x 15 ÷ 27 = 1.3 C.Y.

145 140

LF=3.1 C=24.5 L=2.4

R/W 4+26.87 ℄ R/W

40 30 20 10 0 10 20 30 40

SHEET TOTALS
95.5 C.Y. Excavation
39.2 C.Y. Loose Fill
0.3 C.Y. Manipulated Fill

POE & ASSOCIATES OF KANSAS INC.
CONSULTING ENGINEERS

CITY OF WICHITA, KANSAS

Portwest Court

CROSS SECTIONS Sta. 4+26.87 to End

DRAWN BY T.B. DATE OCT. 1988

ENG. TECH

SUPERVISOR K.H.

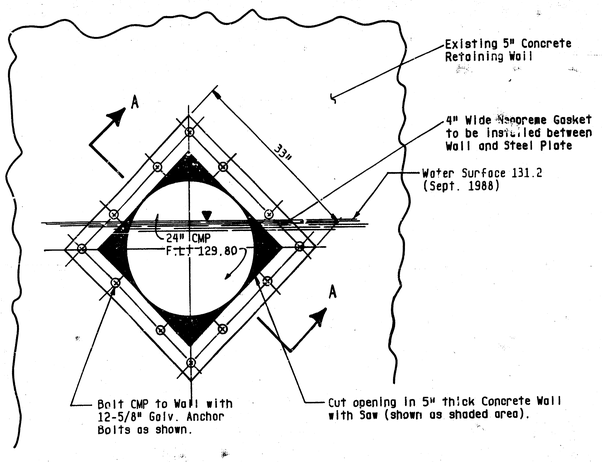
SHEET 9 OF 12

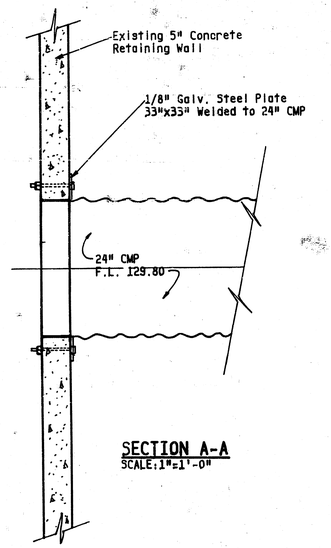
PROJECT NUMBER 472-76-245-81729-000-000-001

9/12

STATE | PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS

NOTE: Connections of the 24" CMP to the Concrete Wall shall be incidental to Project Costs.



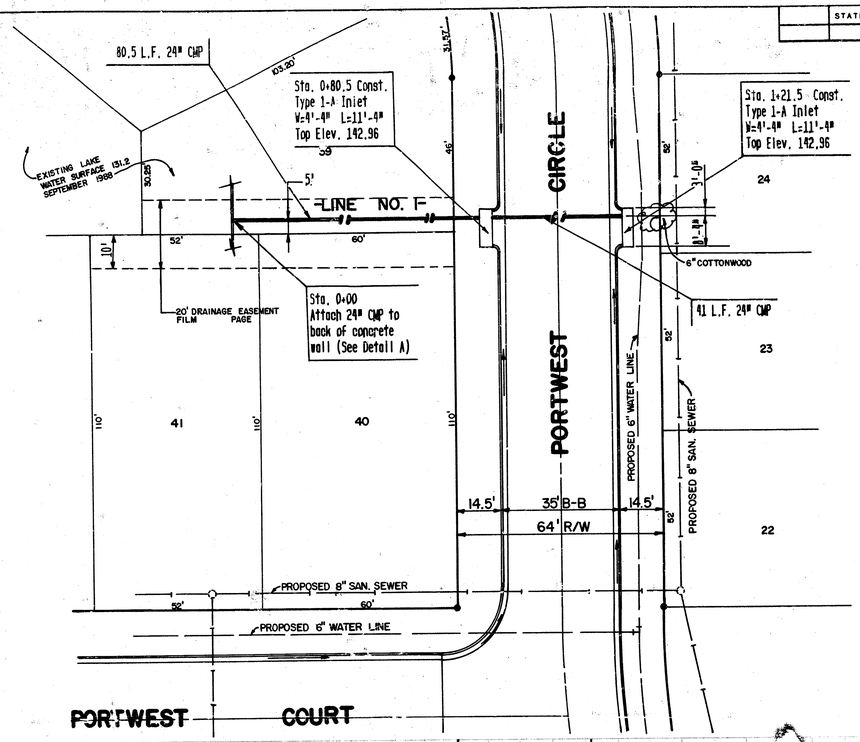


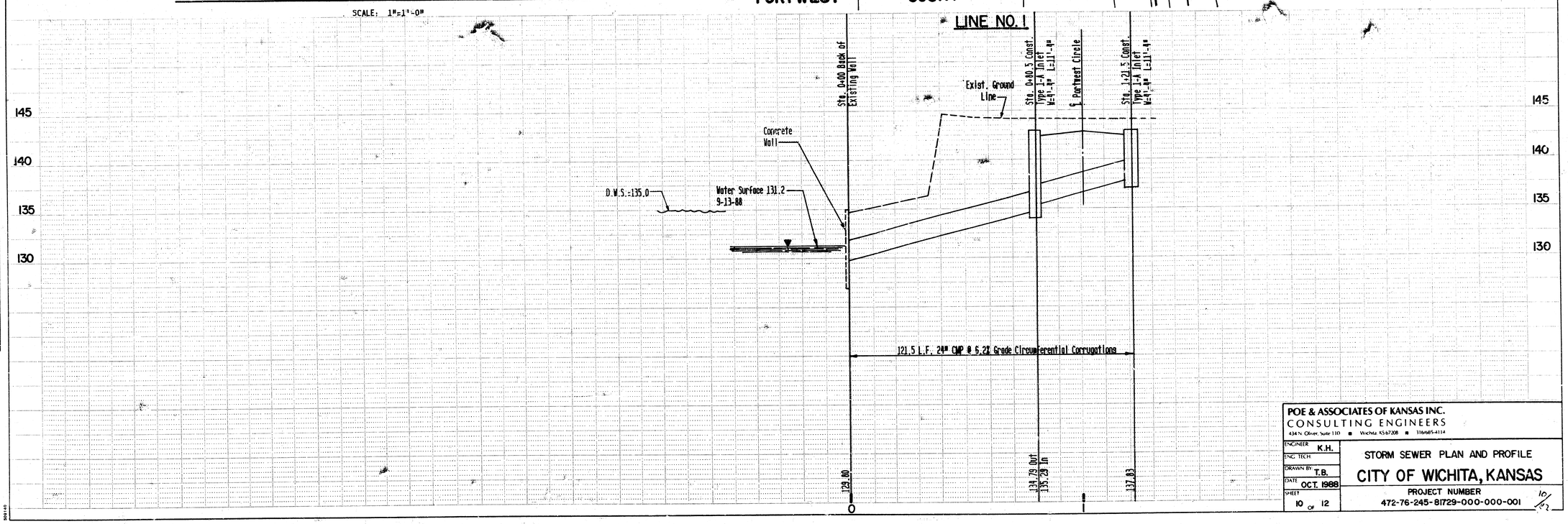
SECTION A-A
SCALE: 1"=1'-0"

DETAIL A

24" CMP CONNECTION TO CONCRETE WALL

SCALE: 1"=1'-0"





STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS

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

PROFILE: SURVEYED, PLOTTED, NOTE BOOK, NO., DATE, BY, ALIGNMENT CHECKED, GRADE CHECKED, STRUCTURE NOTATIONS CHECKED

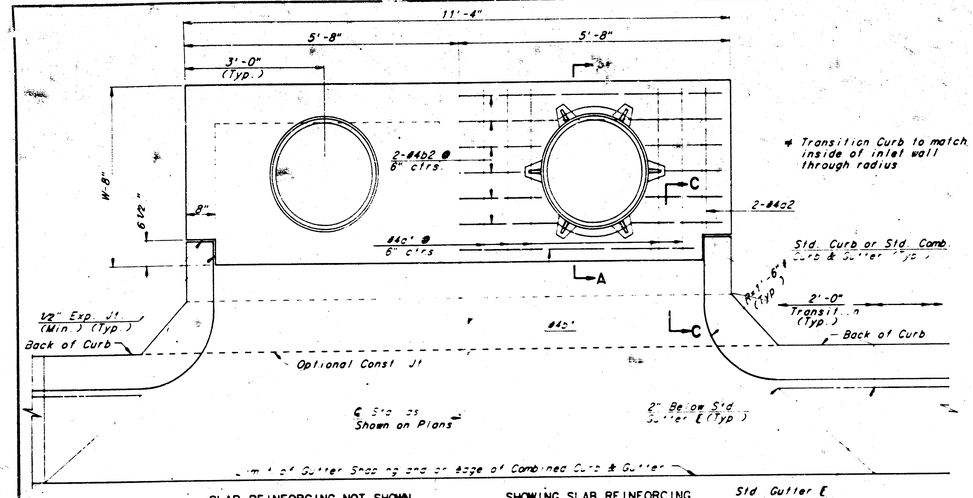
POE & ASSOCIATES OF KANSAS INC.
CONSULTING ENGINEERS
434 N. Oliver, Suite 110 ■ Wichita, KS 67208 ■ 316/685-4114

ENGINEER	K.H.
ENG. TECH	
DRAWN BY	T.B.
DATE	OCT. 1988
SHEET	10 OF 12

STORM SEWER PLAN AND PROFILE
CITY OF WICHITA, KANSAS
PROJECT NUMBER
472-76-245-81729-000-000-001

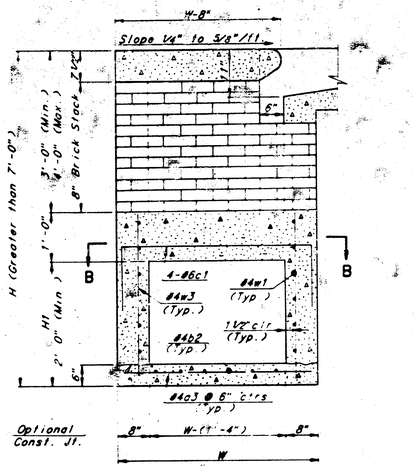
10/12

PROJECT NO.	SHEET NO.	TOTAL SHEETS

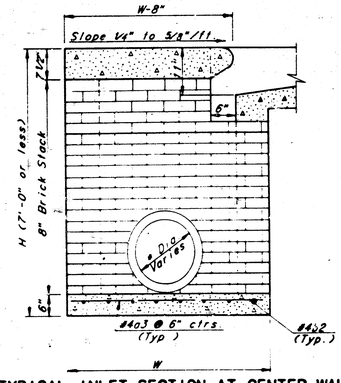


SLAB REINFORCING NOT SHOWN — SHOWING SLAB REINFORCING

PLAN

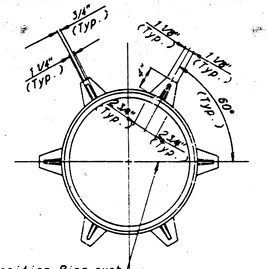


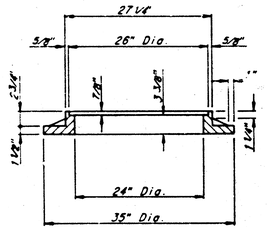
TYPICAL INLET SECTION AT CENTER WALL
(REINFORCED CONCRETE WALLS)



TYPICAL INLET SECTION AT CENTER WALL
(MASONRY WALLS)

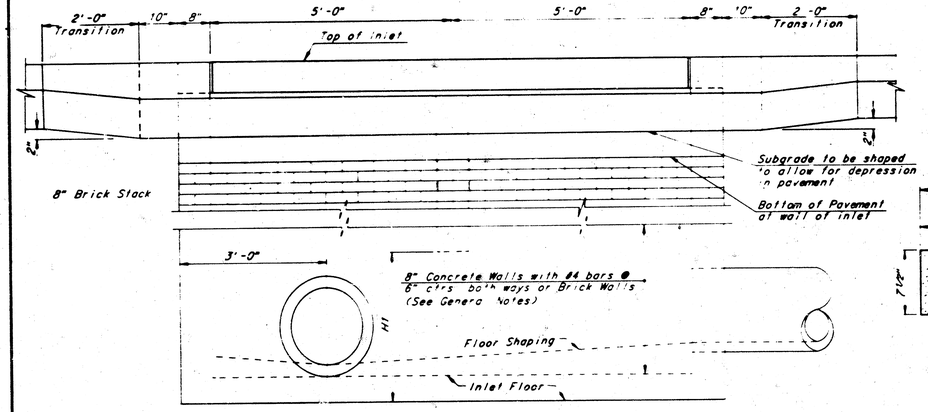
* A wall opening shall be provided by means of a section of reinforced concrete pipe. The minimum diameter used shall be that of the outlet pipe.



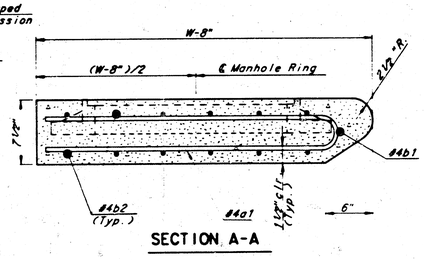


CAST IRON INLET RING
Wt.=180 lbs.

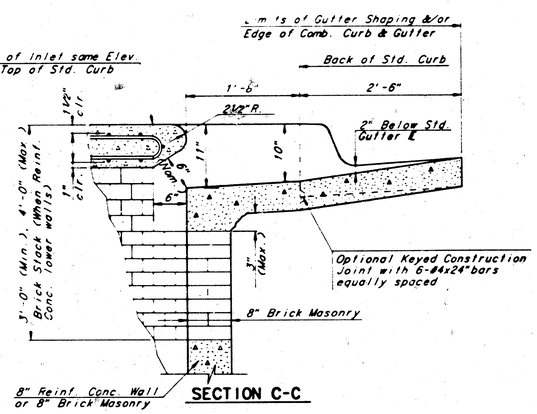
See City of Wichita Standard Manhole Frame and Cover Detail Sheet for Cover Details to be used with Inlet Frame.



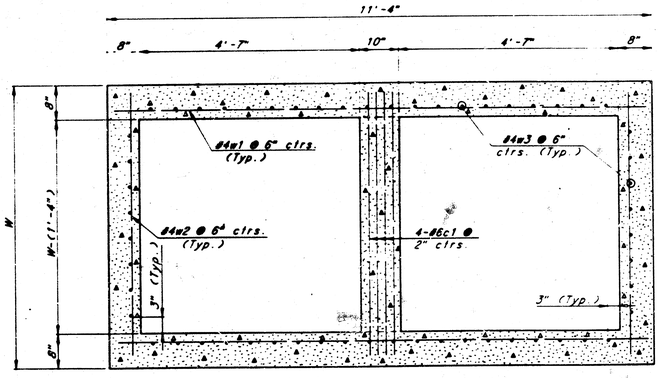
ELEVATION



SECTION A-A



SECTION C-C



SECTION B-B

SLAB AND FLOOR REINFORCING

		W=4'-4"		W=5'-4"		W=6'-4"		W=7'-4"		W=8'-4"	
MARK	SIZE	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH
a1	#4	13	6'-7¼"	13	8'-7¼"	13	10'-7¼"	13	12'-7¼"	13	14'-7¼"
a2	#4	2	6'-0"	2	8'-0"	2	10'-0"	2	12'-0"	2	14'-0"
a3	#4	20	4'-1"	20	5'-1"	20	6'-1"	20	7'-1"	20	8'-1"
b1	#4	1	9'-8"	1	9'-8"	1	9'-8"	1	9'-8"	1	9'-8"
*b2	#4	18	11'-1"	24	11'-1"	30	11'-1"	36	11'-1"	42	11'-1"

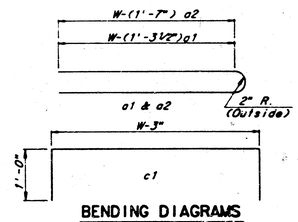
WALL REINFORCING

		W=4'-4"		W=5'-4"		W=6'-4"		W=7'-4"		W=8'-4"	
MARK	SIZE	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH
c1	#6	4	6'-1"	4	7'-1"	4	8'-1"	4	9'-1"	4	10'-1"
w1	#4	①	11'-1"	①	11'-1"	①	11'-1"	①	11'-1"	①	11'-1"
w2	#4	①	4'-1"	①	5'-1"	①	6'-1"	①	7'-1"	①	8'-1"
w3	#4	②	③	②	③	②	③	②	③	②	③

* Field bend or cut Reinforcing as required for clearance
① 4(H1-6")+4 (H1-6") Rounded down to nearest 0.5'
② 40+4(W - 16") ③ H1+(9")

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.
2. INLET INVERT SHALL BE SHAPED WITH 6 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.
3. 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.
4. INLET TOP REINFORCING SHALL BE SPACED ON 6" MAX. CENTERS. INLET LIDS SHALL BE NOTCHED OUT AS INDICATED TO FACILITATE CONSTRUCTION OF CURB BARS IN INLET TOP TO BE FIELD BENT OR CUT TO CLEAR MANHOLE RING.
5. THE ENDS OF ALL PIPES INSTALLED IN INLETS SHALL BE CUT OFF FLUSH WITH THE INSIDE FACE OF THE INLET WALL.



BENDING DIAGRAMS

REVISED 12-21-84

STANDARD TYPE 1A CURB INLET

INLET OPENING = 6" x 10'-0"

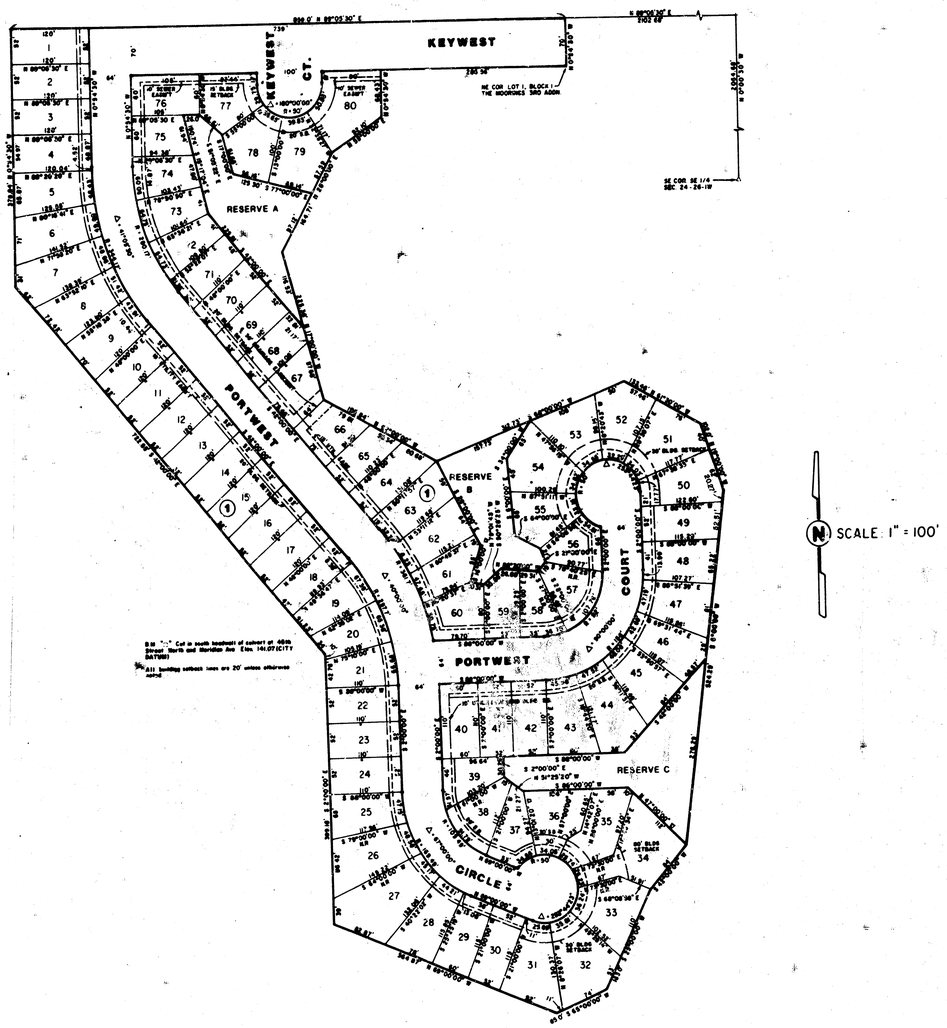
PROJECT NO. 472-76-245-81729-000-000-001

WICHITA, KANSAS

11/12

Designed by	BER, KJS, MMB	Checked by	MMB	
Drawn by	JGP	Date	Nov. 1984	Job No.

D 1-35



THE MOORINGS 4TH ADDITION

TO WICHITA, SEDGWICK COUNTY, KANSAS

20.00

Deed of Covenants & Restrictions F 907 Pg 758

STATE OF KANSAS }
COUNTY OF SEDGWICK } SS.

We, Kenny E. Hill, and William P. Fox, being duly licensed respectively as a Professional Engineer and Land Surveyor in said County and State, do hereby certify that we have platted and surveyed THE MOORINGS 4th ADDITION to Wichita, Sedgwick County, Kansas, being described as follows:

Commencing at the Southeast Corner of the Southeast Quarter (SE1/4) of Section 24, Township 26 South, Range 1 West of the 6th P.M. Sedgwick County, Kansas; thence N 0°00'30" W for a distance of 2064.68 feet to the Northeast Corner of THE MOORINGS, an addition to Wichita, Sedgwick County, Kansas; thence S 89°05'30" W for a distance of 2102.69 feet to the point of beginning, thence S 0°54'30" E for a distance of 70 feet to the Northeast Corner of Lot 1, Block 1 of THE MOORINGS 3rd ADDITION; thence continuing on the boundary of THE MOORINGS 3rd ADDITION for the next 7 courses S 89°05'30" W for a distance of 286.56 feet; thence S 0°54'30" E for a distance of 68.43 feet; thence S 55°00'00" W for a distance of 92.10 feet, thence S 28°00'00" W for a distance of 164.71 feet; thence S 17°00'00" E for a distance of 225.38 feet; thence S 62°00'00" E for a distance of 195.84 feet; thence N 68°00'00" E for a distance of 312.73 feet; thence S 61°30'00" E for a distance of 133.46 feet; thence S 19°00'00" E for a distance of 102.00 feet; thence S 6°00'00" W for a distance of 524.29 feet; thence S 42°00'00" W for a distance of 84.00 feet; thence S 25°00'00" W for a distance of 163.00 feet; thence S 65°00'00" W for a distance of 85.00 feet; thence N 69°00'00" W for a distance of 364.87 feet; thence N 2°00'00" W for a distance of 399.18 feet; thence N 42°00'00" W for a distance of 722.65 feet; thence N 00°54'30" W for a distance of 378.84 feet; thence N 89°05'30" E for a distance of 859.00 feet to the point of beginning, containing 18.21 acres more or less. The bearing of the East line of said Southeast Quarter (SE1/4) is assumed to be N 0°00'30" W. The accompanying plat is a true and correct exhibit of property surveyed.

Dated this 16TH day of SEPTEMBER, 1987.

Kenny E. Hill, P.E. (SEAL)

William P. Fox, L.S. (SEAL)

KENNY E. HILL LICENSED 7690 KANSAS PROFESSIONAL ENGINEER

WILLIAM P. FOX REGISTERED LS-750 KANSAS LAND SURVEYOR

KNOW ALL MEN BY THESE PRESENTS:

That we, MIBAC, Inc. have caused the land described in the Engineer's Certificate to be platted into lots, a block, streets and reserves. The streets are hereby dedicated to and for the use of the public. Easements are hereby granted as indicated for the construction and maintenance of drainage and utilities. Reserve "A", "B" and "C" are reserved for open space and a lake to be owned and maintained by a lot (or home) owners' association. Development of this property shall be in accordance with The Moorings Community Unit Plan a copy of which is on file in the Metropolitan Area Planning Department.

MIBAC, INC.

C. Bill Bachman, President

STATE OF KANSAS }
COUNTY OF SEDGWICK } SS.

Be it remembered that on this 6th day of SEPTEMBER, 1987, before me, a Notary Public in and for said County and State, came MIBAC, INC., by Its President, C. Bill Bachman, to me known to be the same person who executed the foregoing instrument duly acknowledged by me. In testimony whereof, I have hereunto set my hand and affixed my Notarial Seal the day and year above written.

My Appointment Expires 4-28-88

Notary Public CAROL BARNES (SEAL)

This Plat of THE MOORINGS 4th ADDITION to Wichita, Sedgwick County, Kansas has been submitted and approved by this WICHITA-SEDGWICK COUNTY METROPOLITAN AREA PLANNING COMMISSION, Wichita, Kansas.

Dated this 20th day of August, 1987

WICHITA SEDGWICK COUNTY METROPOLITAN AREA PLANNING COMMISSION

Mary Ellen Conlee, Vice-Chairman

Marvin S. Krout, Secretary (SEAL)

This Plat approved and all dedications shown hereon accepted by the City Council of the City of Wichita, Kansas, this 13TH day of OCT, 1987.

Robert G. Knight, Mayor

Dale E. Rea, Deputy City Clerk (SEAL)

914240

Entered on transfer record this 23rd day of October, 1987.

Don Wright, County Clerk

STATE OF KANSAS }
COUNTY OF SEDGWICK } SS.

This is to certify that this instrument was filed for record in the Register of Deeds office at 12:30 P.M. on the 23RD day of OCTOBER 1987.

Pat Kettler, Register of Deeds

Ed Resa, Chief Deputy

PROJECT NUMBER: 472-76-245-81729-000-000-001

12/12

D 1-35