STORM SEWER PLANS FOR
WOODSPRING 3RD
S.W.S. NO. 334
PROJECT NO.
468-76-245-81669-000-000-001

CITY OF WICHITA, KANSAS
MICHAEL E. LANDEBAK, CITY ENGINEER

GENERAL NOTES

1. THE TOPS OF INLET AND MANHOLE AS NOTED ON THE PLANS MAY VARY SO AS TO MEET PROPOSED TOP OF CURB ELEVATIONS OR PAVEMENT ELEVATIONS. THE FIELD ENGINEER SHALL LOCATE INLETS AND MANHOLES WITH REFERENCE TO PROPOSED PAVING PLANS OF THE PERTINENT STREETS.

2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PRESERVING PROPERTY IRONS. THE CONTRACTOR SHALL 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.

3. CONTRACTOR SHALL NOTIFY THE UTILITY COMPANIES OF CONSTRUCTION SCHEDULING.

4. EXISTING UTILITIES AND THEIR LOCATIONS, AS SHOWN ON THE PLANS, REPRESENT THE BEST INFORMATION OBTAINABLE FOR DESIGN. LOCATION INFORMATION HAS BEEN OBTAINED FROM THE VARIOUS UTILITY COMPANIES AND IS EITHER FROM COMPANY RECORD DRAWINGS OR COMPANY PROVIDED FIELD LOCATIONS. THE PLAN LOCATIONS SHOWN ARE NOT GUARANTEED. ADDITIONAL EXISTING UTILITIES MAY ALSO BE ENCOUNTERED.

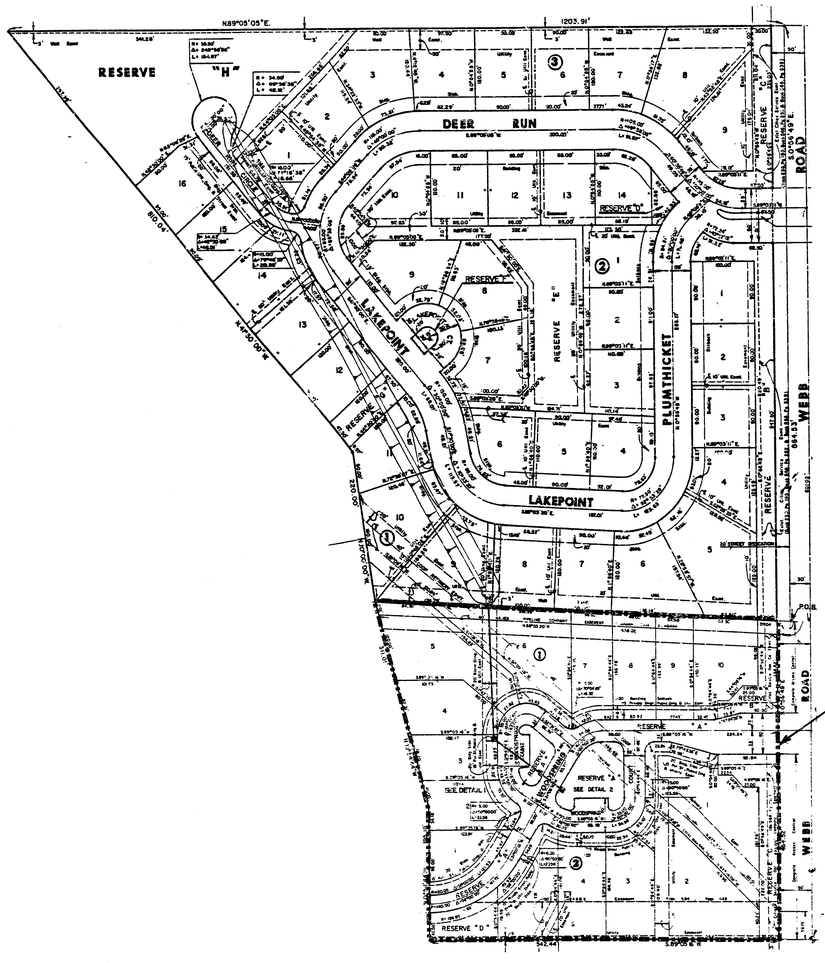
NOTE: NOTIFY THE FOLLOWING COMPANIES PRIOR TO ANY EXCAVATION:

BELL TELEPHONE COMPANY	1-316-571-2115
CABLEVISION	262-0661
KP&L COMPANY	263-7511
KANSAS GAS & ELECTRIC	264-1141
KANSAS ONE-CALL	1-800-344-7233
KANEB	2[illegible]-7408
NORTHWEST CENTRAL PIPELINE	[illegible]
CO-OP REFINERY PIPELINE	1-316-22[illegible]

BENCH MARKS

B.M. #1 WEBB ROAD AND 25TH STREET NORTH
CITY OF WICHITA BENCK MARK
DISC, 32' NORTH AND 28' EAST
OF QUARTER SECTION CORNER.
ELEV. = 225.091

B.M. #2 SPIKE STEP IN "Y" POLE, ± 500'
WEST OF WEBB ROAD
ELEV. = 221.87



As Builts
1/88
NCG

INDEX TO DRAWINGS

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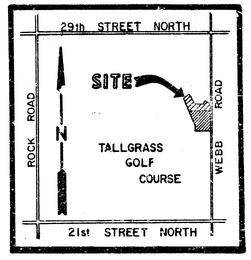
1	COVER SHEET
2-3	PLAN & PROFILE
4	STD. TYPE I-A DETAILS
5	DITCH CROSS SECTIONS
6	DEER RUN FINAL PLAT
7	WOODSPRING 3RD FINAL PLAT



LOCATION MAP

KANSAS LICENSED 7223 PROFESSIONAL ENGINEER

WOODSPRING 3RD STORM WATER SEWER PLANS

Design	KKL
Drawn by	DDG
Checked by	KHB
Date	April 1987
Job no	

MID-KANSAS ENGINEERING CONSULTANTS PA
3500 NORTH ROCK ROAD
BUILDING #800
WICHITA, KANSAS 67226 682-6561

Sheet 1 of 7

1/7

WOODSPRING THIRD ADDITION
STORM SEWER # 334
PROJ. NO. 468-76-245-81669-000-000-001

DEER RUN

RESERVE 'H'

RESERVE 'E'

RESERVE 'G'

ADDITION

LAKEPOINT

CIRCLE

DEER RUN

Scale: 1"=20' Horiz.
1"= 5' Vert.

℄ 20' Util. Esmt.

℄ 60' Tem. Drng. Esmt. by Sep. Inst.

Const. 4' Channel

Sta. 0+00

148.42'

18°50'59"

35.50'

283.10'

58'

83.21'

101° 44' 07"

109° 45' 53"

Install 44 Sq. Yds. Light Stone

℄ 15' Pub. Util. Drng. & Street Esmt.

Northwest Corner Deer Run Addition

1 2 9 10 11 12 13 14 15 16

NOTE: Contractor shall be responsible for seeding and mulching of ditches. Cost subsidiary to Project.

DITCH DETAIL

Varies

4'-0"

4

1

SEE X'SECTIONS FOR AS BUILTS 1/88 MCG

Sta. 0+00.00

Sta. 1+40.00 Begin Ditch

Sta. 5+40.00

Existing Ground

Existing Ground

15'

15' 10'

Install 44 S.Y. Light Stone Rip Rap

℄ of Proposed Ditch

400.0 L.F. Ditch @ 0.30%
4' Bottom, 4:1 Side Slopes

E = 206.4

E = 210.15

E = 210.27

E = 210.57

E = 210.87

E = 211.17

E = 211.35

220 215 210 205 200

0 1 2 3 4 5

2/7

2/7

M.K.E.C.

WOODSPRING THIRD ADDITION
STORM SEWER # 334
PROJ. NO. 468-76-245-81669-000-000-001

DEER RUN

LAKEPOINT

WOODSPRING

ADDITION

3RD ADDITION

Install 92 S.Y. Light Stone Rip-Rap

℄ Temporary Drainage Easement (by separate instrument)

20'

15'

8'

12'

30° KANEB PIPELINE COMPANY EASEMENT

PIPELINE

℄ 40' COOP Refinery Esmt.

℄ 10' Util. Esmt.

153° 35' 25"

30" R.C.P.

KANEB

STA. 7+89.0
INSTALL STD.
30" END SECTION

20' Storm Drng. & Util. Esmt.

20' Util Esmt.

Sanitary Sewer

174.75

8"

20'

Scale: 1"=20' Horiz.
1"= 5' Vert.

N

STA. 10+89.1
CONST. STD. TYPE
I-A CURB INLET
W=4'4", L=6'4", TOP EL.=218.80
ST. STA.=15+49.71 (Woodspring)
Trim exist. pipe as needed.
Cost subsidiary to project.

STA. 11+24.4
CONST. STD. TYPE I-A CURB INLET
W=4'-4", L=6'-4", TOP EL.=218.80
ST. STA.=15+49.55 (Woodspring)
Extend exist. pipe to inlet. Cost subsidiary to project.

RESERVE 'A'

WOODSPRING

28' F.F.

℄ Existing

85° 24' 28"

Exist. 14"ø R.C.P.

169° 45' 05"

17.67'

15.63'

15.79'

126° 35' 32"

24"ø R.C.P.

WOODSPRING COURT

97° 33' 34"

18.17'

Prop. W - 6" Wtr.

℄ 15' Pvt. St. Pub. Drng. & Util. Esmt.

STA. 9+96.0
CONST. STD. TYPE I-A
CURB INLET, W=5'-4"
L=6'-4", TOP EL.=218.00
ST. STA.=1+24.80 (Woodspring Ct.)

6 7 8 9 10 11

Sta. 5+60.0

Sta. 7+89.0 Install Std. 30" End Section

Sta. 9+96.0 Const. Std. Type I-A Curb Inlet, L=6'4" Top of Inlet = 218.00 St. Sta. 1+24.80 (Woodspring Ct.) Extend Exist. Pipe As needed into prop. Inlet.

Sta. 10+89.1 Connect to Exist. 24" R.C.P.

Sta. 10+89.1 Const. Std. Type I-A Curb Inlet, L=6'4" Top of Inlet = 218.80 St. Sta. 15+49.71 (Woodspring) Trim Exist. Pipe to fit. Cost subsidiary to proj.

Sta. 11+24.4 Const. Std. Type I-A Curb Inlet, W=4'-4" L=6'4" Top of Inlet = 218.80 St. Sta. 15+49.55 (Woodspring) Extend Exist. Pipe as needed into prop. Inlet. Cost subsidiary to project

Contractor to place compacted fill (90% Density) Around and on top of pipe as shown in Detail on this sheet. Cost subsidiary to project.

Existing Ground

Prop. I.E. of Ditch

Install 32.5 Y. Light Stone Rip Rap

To be relocated by others

To be relocated by others

KGE&E

AS BUILTS 1-22-88 MCG

220 215 210 205 200

229.0 L.F. Ditch @ 0.30 %
4' Bottom, 4:1 Side Slopes

2' San. Swr. I.E. = 208.92

21" Kaneb Pipeline Top of Pipe = 212.5

6" Co-op Pipeline Top of Pipe = 214.0

213.0 L.F. of 30" R.C.P. @ 0.32 %

6" Water Main

65.0 L.F. of Existing 24" RCP @ 1.46 %

27.1 L.F. of 24" RCP @ 1.46 %

8" Water Main

4" Gas (K.P.L.)

Existing H.E.R.C.P.

I.E. = 211.35 I.E. = 211.47 I.E. = 211.77 I.E. = 212.18 Sta. 8+01.05 I.E. = 212.08 Sta. 8+29.20 I.E. = 212.17 Sta. 8+48.17 I.E. = 212.29 I.E. = 212.40 I.E. = 212.64 Sta. 9+25.95 I.E. Out = 214.96 I.E. In = 215.06 212.96 I.E. = 213.81 I.E. Out = 214.02 I.E. In = 214.02 I.E. = 214.30 Sta. 10+84.17 I.E. Out = 214.52 Sta. 10+88.27 I.E. In = 215.03 214.98 I.E. Out = 214.49

DETAIL OF FILL OVER PIPES

2'-0" Pipe Dia. 2'-0" Min.

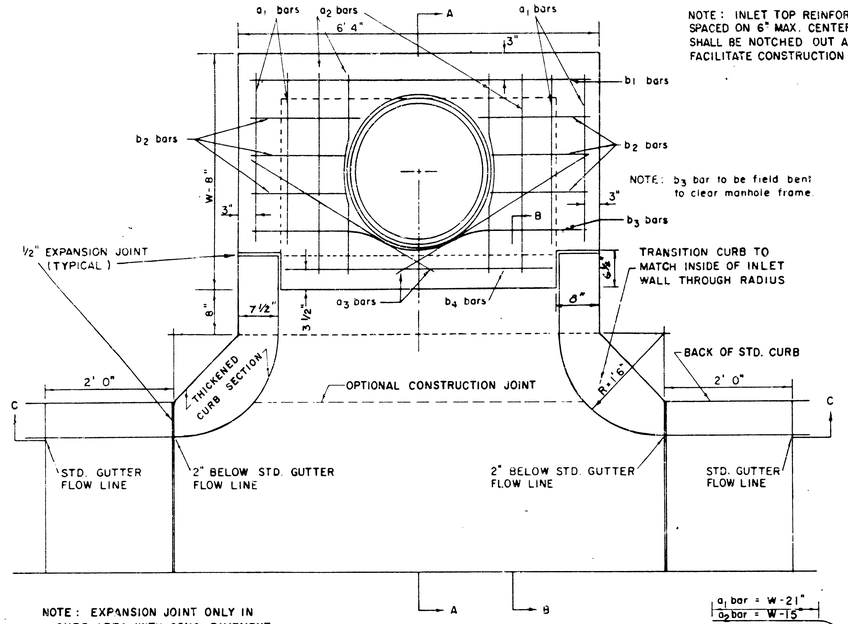
4 : 1

2.4"

3/7

3/7

M.K.E.C.

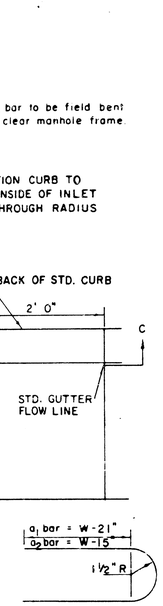


NOTE: EXPANSION JOINT ONLY IN CURB AREA WITH CONC. PAVEMENT.

PLAN

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.



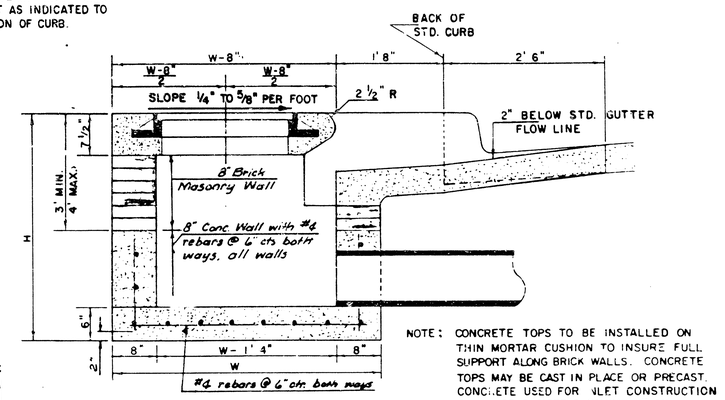
BENDING DIAGRAM

STEEL SCHEDULE

BAR		a_1	a_2	a_3*	b: W=4'4"	W=5'4"	W=6'4"	W=7'4"	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±
	W=5'4"	7'7"	8'7"	5'0"	–	6'1"	–	–	–	1'9"	6'2"	4'8"	81±
	W=6'4"	9'7"	10'7"	6'0"	–	–	6'1"	–	–	1'9"	6'2"	4'8"	101±
	W=7'4"	11'7"	12'7"	7'0"	–	–	–	6'1"	–	1'9"	6'2"	4'8"	121±
	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

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 ±



SECTION A-A

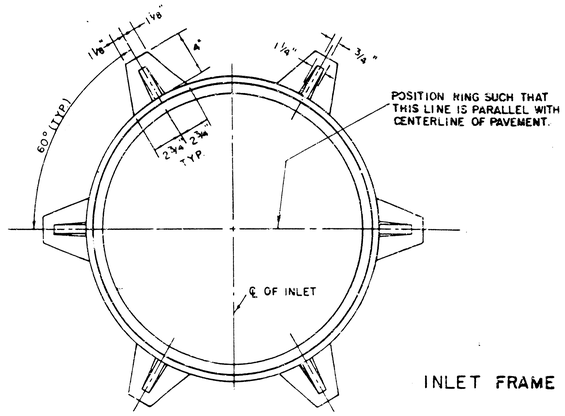
NOTE: CONCRETE TOPS TO BE INSTALLED ON THIN MORTAR CUSHION TO INSURE FULL SUPPORT ALONG BRICK WALLS. CONCRETE TOPS MAY BE CAST IN PLACE OR PRECAST. CONCRETE USED FOR INLET CONSTRUCTION SHALL BE CONCRETE PAVEMENT MIX.

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.

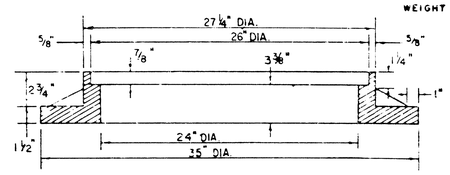
INLET INVERT SHALL BE SHAPED WITH 8 SACK SAND MIX CONCRETE TO CREATE FLOW CHANNELS AND TO INCREASE HYDRAULIC EFFICIENCY SUCH THAT THE INLET WILL BE SELF CLEANING BETWEEN ALL INLET AND/OR OUTLET PIPES.

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

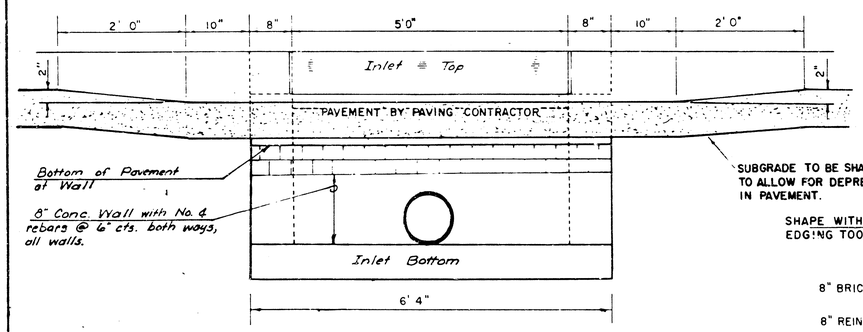


INLET FRAME

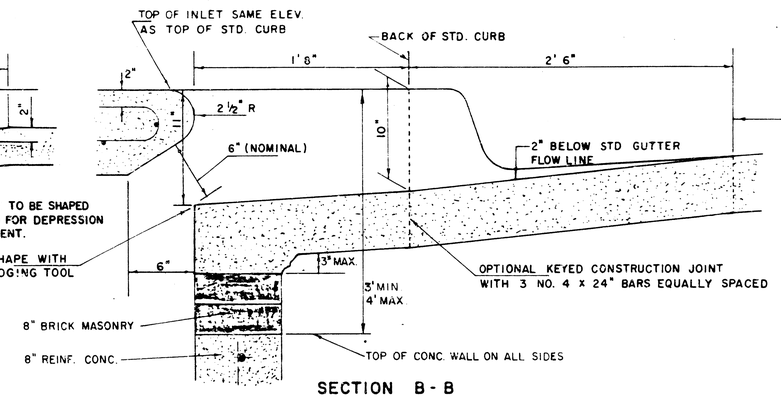
WEIGHT = 180 LBS.



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



SECTION C-C



SECTION B-B

REVISED 12-21-1984

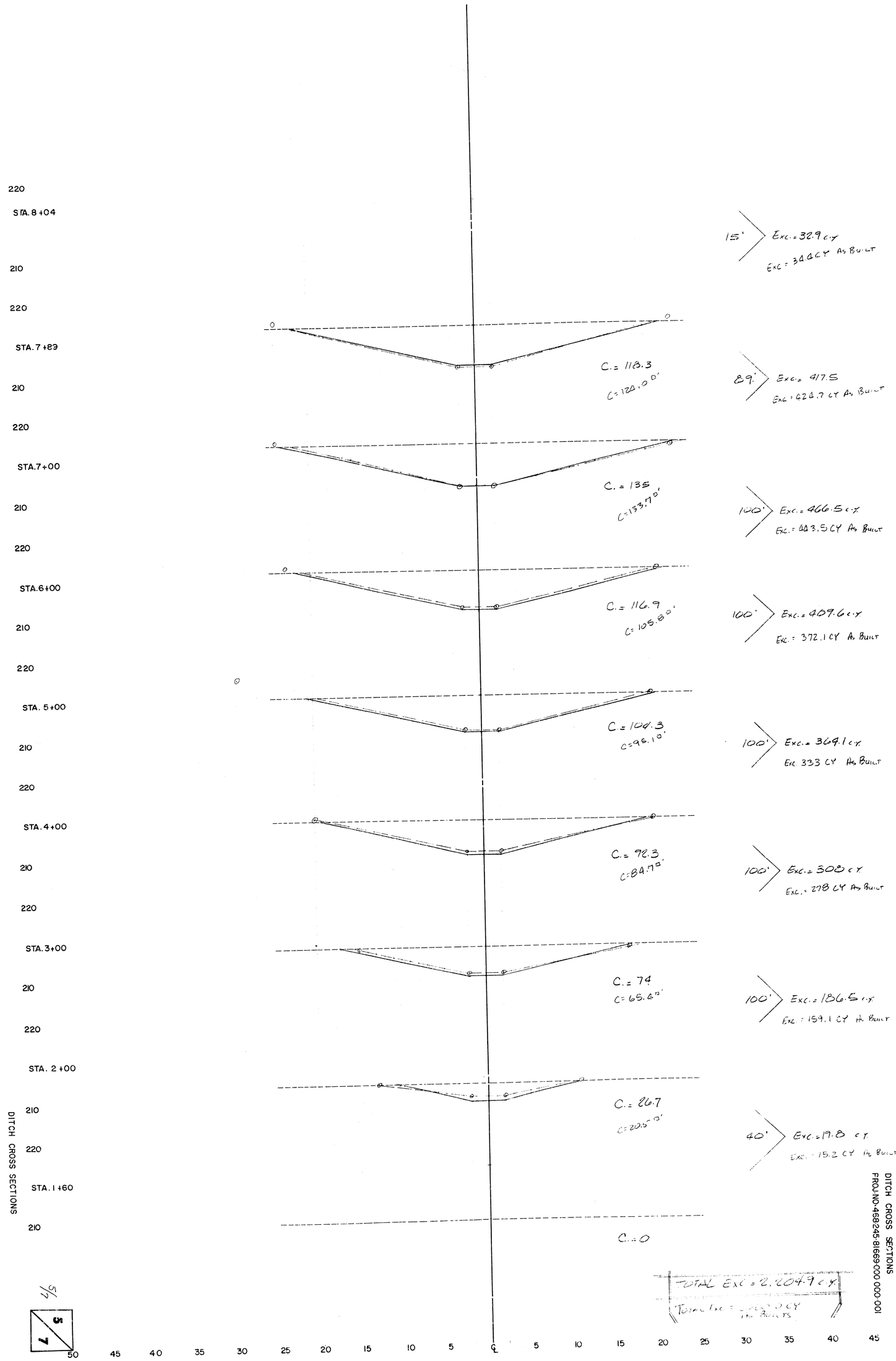
DETAIL STANDARD TYPE IA CURB INLET

CITY OF WICHITA, KANSAS

INLET OPENING = 6" x 5' 0"

JUNE 1984

4/7



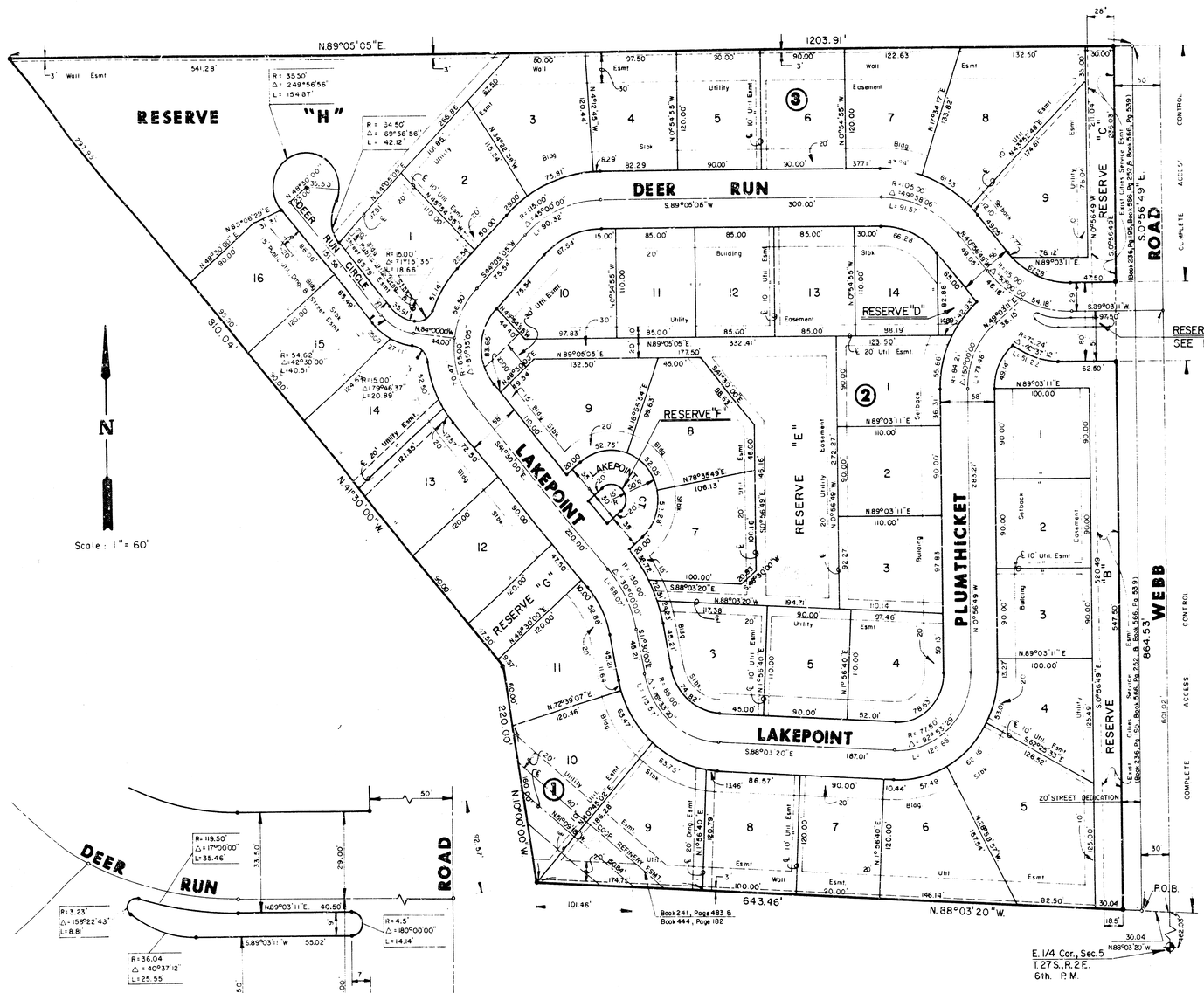
WOODSPRING 3rd.
DITCH CROSS SECTIONS
PROJ.NO.468245 81669000 000 001

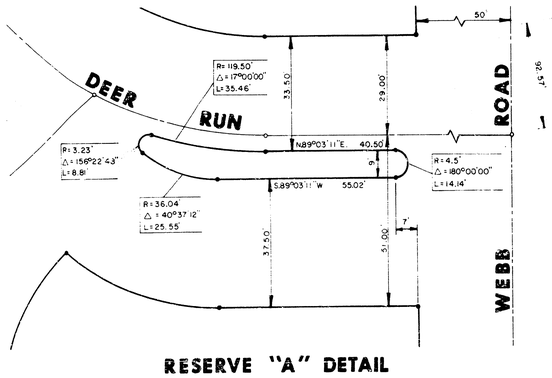
7/5

FINAL PLAT OF

DEER RUN

AN ADDITION TO WICHITA, SEDGWICK COUNTY, KANSAS





RESERVE "A" DETAIL

I, Kenneth H. Bengtson, a Civil Engineer in Kansas, do hereby certify that I have been in responsible charge of surveying and platting of "DEER RUN" an addition to Wichita, Sedgwick County, Kansas, into Lots, Blocks, Reserves, and Streets, the same being accurately set forth in the accompanying plat and described herein:

A tract of land lying in the Northeast Quarter, Section 5, Township 27 South, Range 2 East of the 6th P.M., more particularly described as follows:

Commencing at the Southeast corner of said Northeast Quarter; thence N 00° 56' 49" W, 462.03 feet along the East line of said Northeast Quarter; thence N 88° 03' 20" W, 30.04 feet to the point of beginning; thence N 88° 03' 20" W, 643.46 feet; thence N 10° 00' 00" W, 220.00 feet; thence N 41° 30' 00" W, 810.04 feet to a point on the South line of Government, Lot 1; thence N 89° 05' 05" E, 1203.91 feet along said Government, Lot 1; thence S 00° 56' 49" E, 864.53 feet parallel and 30.00 feet West of the East line of said Northeast Quarter to the point of beginning.

I hereby certify that the details of this plat are correct to the best of my knowledge and belief this 24 day of July, 1986.

Kenneth H. Bengtson, P.E.
Mid-Kansas Engineering Consultants, P.A.
3500 N. Rock Road, Building #800
Wichita, KS 67226

Know all men by these presents that we the undersigned property owners of the land as above set forth in the Civil Engineer's Certificate, have caused the same to be surveyed and platted into Lots, Blocks, Reserves, and Streets, the same to be known as "DEER RUN", an addition to Wichita, Sedgwick County, Kansas. The streets are hereby dedicated to and for the use of the public. Reserves A, B, C, D, F, G and H are platted for the construction and maintenance of public utilities and drainage. Reserves A, B, C, and D are also platted for walls, entry monuments, irrigation systems, and landscaping. Reserve E is platted for drainage, landscaping, walks, gazebos, swimming pools and related structures, and irrigation systems. The Reserves shall be owned and maintained by the Homeowners Association. Easements for the construction and maintenance of public utilities, drainage and streets as indicated on the accompanying plat, are hereby granted. The 3.00 foot wall easements, as indicated on the accompanying plat, are granted for the purpose of construction and maintenance of a private wall. All abutters rights of access to and from Webb Road over and across the East lines of Reserves B and C are hereby granted to the City of Wichita, Kansas.

SLAWSON INVESTMENT CORPORATION

By: Larry A. Chambers
Larry A. Chambers, Vice President

STATE OF KANSAS)
) ss:
SEDGWICK COUNTY)

Be it remembered that on this 28th day of July, 1986, before me a Notary Public in and for said State and County, came Slawson Investment Corporation, by Larry A. Chambers, Vice President, to me personally known to be the same person who executed the foregoing instrument of writing and duly acknowledged the execution of the same. In testimony whereof I have hereunto set my hand and affixed my notarial seal the day and year above written.

Linda S. Graham, Notary Public

My Appointment Expires: 2-9-90

we, Mellon Bank, N.A., Pittsburgh, Pennsylvania, mortgagee on the above described property, do hereby consent to the plat of "DEER RUN".

MELLON BANK, N.A., Pittsburgh, Pennsylvania

By: _____

STATE OF KANSAS)
) SS:
SEDGWICK COUNTY)

Be it remembered that on this 6th day of August, 1986, before me a Notary Public in and for said State and County, came Mellon Bank, N.A., Pittsburgh, Pennsylvania, by Paul J. Brown, to me personally known to be the same person who executed the foregoing instrument of writing and duly acknowledged the execution of the same. In testimony whereof I have hereunto set my hand and affixed my notarial seal the day and year above written.

Linda S. Graham, Notary Public

My Appointment Expires: 2-9-90

This plat of "DEER RUN" has been submitted to and approved by the Wichita-Sedgwick County Metropolitan Area Planning Commission, Wichita, Kansas.

Dated this 12th day of June, 1986.

WICHITA-SEDGWICK COUNTY METROPOLITAN AREA PLANNING COMMISSION

David Bayouth, Vice-Chairman

Michael E. Lindebak, Secretary

This plat approved and all dedications shown hereon, if any, accepted by the City Commission of the City of Wichita, Kansas, this 29 day of September, 1986.

Tony Casado, Mayor

Donald C. Gistick, City Clerk

Entered on transfer record this ___ day of _____, 1986.

Don Wright, County Clerk

STATE OF KANSAS)
) SS:
SEDGWICK COUNTY)

This is to certify that this instrument was filed for record in the Register of Deeds office this ___ day of _____, 1986.

Pat Kettler, Register of Deeds

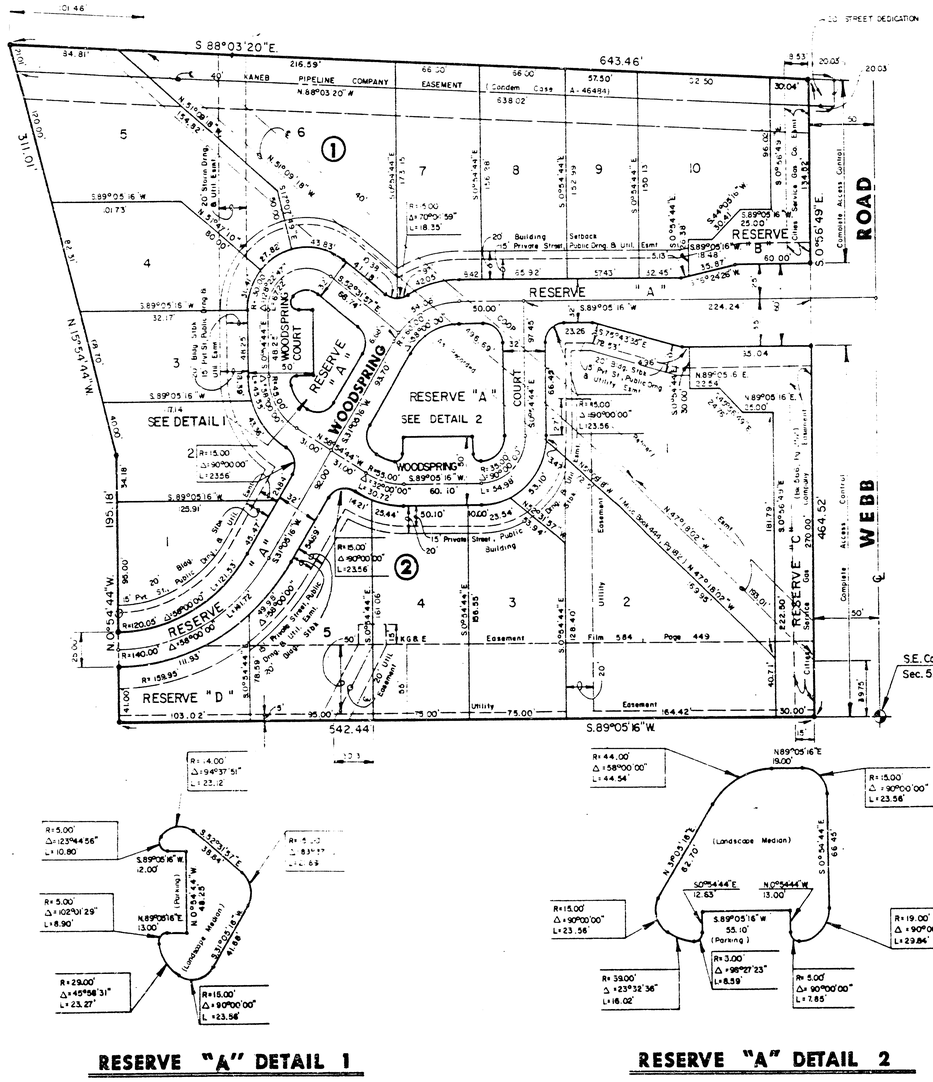
Ed Resa, Deputy

C-1 4-27

FINAL PLAT OF

WOODSPRING 3 RD.

AN ADDITION TO WICHITA, SEDGWICK COUNTY, KANSAS



Scale: 1"= 50'

RESERVE "A" DETAIL 1

RESERVE "A" DETAIL 2

I, Kenneth H. Bengtson, a Civil Engineer in Kansas, do hereby certify that I have been in responsible charge of surveying and platting of "WOODSPRING 3RD" an addition to Wichita, Sedgwick County, Kansas, into Lots, Blocks, Reserves, and Streets, the same being accurately set forth in the accompanying plat and described herein:

A tract of land lying in the Northeast Quarter, Section 5, Township 27 South, Range 2 East from the 6th P.M., more particularly described as follows:

A replat of Blocks 4 and 5 and that part of Reserve B lying between said Block 4 and 5 of Woodspring, an addition to Wichita, Sedgwick County, Kansas also including:

Beginning at the Northeast corner of Woodspring; thence N 88° 03' 20" W, 638.02 feet along the North line of said Woodspring, said line also being the centerline of a 40.00 foot KANEB easement, as concerned in case A-46484; thence N 15° 54' 44" W, 21.01 feet; thence S 88° 03' 20" E, 643.46 feet along the North line of said 40.00 foot KANEB easement; thence S 0° 56' 49" E, 20.03 feet to the point of beginning.

All lots, blocks, reserves and platted street, drainage and utility easements within the above described property are being vacated and replatted by virtue of K.S.A. 12-512(b).

I hereby certify that the details of this plat are correct to the best of my knowledge and belief this 16 day of September, 1986.

Kenneth H. Bengtson
Kenneth H. Bengtson, P.E.
Mid-Kansas Engineering Consultants, P.A.
3500 N. Rock Road, Bldg. 900
Wichita, KS 67226

Know all men by these presents that we, the undersigned property owners of the land as set forth in the Civil Engineer's Certificate, have caused the same to be surveyed and platted into lots, blocks, reserves and a street, the same to be known as "WOODSPRING 3RD", an addition to Wichita, Sedgwick County, Kansas. Easements for the construction and maintenance of public utilities and drainage, as indicated on the accompanying plat, are hereby granted to the City of Wichita. The street is hereby dedicated to and for the use of the public. All reserves are platted for construction and maintenance of public utilities, except that portion of Reserve A within the 50.00 foot KG&E easement, and open spaces. Reserve A is also platted for parking, private streets, drainage, and landscaping medians. Reserves B and C are platted for walls and entry monuments. Reserves B, C, & D are also platted for landscaping. All reserves shall be owned and maintained by the Woodspring 3rd Homeowners Association. All abutters rights of access to or from Webb Road, over and across the East line of Reserves B and C, are hereby granted to the City of Wichita, Kansas.

SLAWSON INVESTMENT CORPORATION

By: Larry A. Chambers
Larry A. Chambers, Vice President

STATE OF KANSAS)
) ss:
SEDGWICK COUNTY)

Be it remembered that on this 24th day of July, 1986, before me a Notary Public in and for said State and County, came Slawson Investment Corporation, by Larry A. Chambers, Vice President, to me personally known to be the same person who executed the foregoing instrument of writing and duly acknowledged the execution of the same. In testimony whereof I have hereunto set my hand and affixed my notarial seal the day and year above written.

Linda J. Graham, Notary Public

My Appointment Expires: 2-9-90

#836916

ee, Mellon Bank, N.A., Pittsburgh, Pennsylvania, mortgagee on the above described property, do hereby consent to the plat of "WOODSPRING 3RD".

MELLON BANK, N.A., Pittsburgh, Pennsylvania

By: _____
Paul J. Brown

LINDA S. GRAHAM NOTARY PUBLIC STATE OF KANSAS

STATE OF KANSAS)
) ss:
COUNTY OF SEDGWICK)

Be it remembered that on this 7th day of August, before me, a Notary Public in and for said State and County, came Mellon Bank, N.A., Pittsburgh, Pennsylvania, by Paul J. Brown, to me personally known to be the same person who executed the foregoing instrument of writing and duly acknowledged the execution of the same. In testimony whereof I have hereunto set my hand and affixed my notarial seal the day and year above written.

Linda J. Graham, Notary Public

My Appointment Expires: 2-9-90

This plat of "WOODSPRING 3RD" has been submitted to and approved by the Wichita-Sedgwick County Metropolitan Area Planning Commission, Wichita, Kansas.

Dated this 15TH day of May, 1986.

WICHITA-SEDGWICK COUNTY METROPOLITAN AREA PLANNING COMMISSION

David Bayoum, Vice-Chairman

Michael L. Etndebak, Secretary

This plat approved and all dedications shown hereon, if any, accepted by the City Commission of the City of Wichita, Kansas, this 30TH day of SEPT, 1986.

_____, Mayor
Tony Casado

Donald C. Gisick, City Clerk

Entered on transfer record this 6th day of Oct, 1986.

Don Wright, County Clerk

STATE OF KANSAS)
) SS:
SEDGWICK COUNTY)

This is to certify that this instrument was filed for record in the Register of Deeds office this 6TH day of OCTOBER, 1986.

Pat Kettler, Register of Deeds

Ed Resa, Deputy

7/7

C-1 4-27