BENCHMARK:
BM #1: "□" Cut in middle of N headwall of RCBC on 21st St. North. 1004.3' W & 22.1' N of SE Cor., SE1/4, Sec. 2, T-27-S, R-2-E. Elev. = 173.23 City Datum

BM #2: "□" Cut at the SE corner of the intersection of Castle Rock & Castle Rock Ct., Krug North Addition. Elev. = 183.50 City Datum

Curve #6
Curve Data Based on Centerline
Rad. = 1000' Delta = 16° 36' 41" Tangent = 145.99'
Arc = 289.92' L.C. = 288.91' Def/Ft. = 1.71889 Min.

Station	Arc	FACE CHORD LENGTHS 8' Lt.	8' Rt.	Defl.	T. Defl.
2+86.40	–	–	–	0°00'00"	0°00'00"
3+19.19	32.79'	33.61'	31.97'	0°56'22"	0°56'22"
3+25.00	5.81'	5.96'	5.66'	0°09'59"	1°06'21"
3+50.00	25.00'	25.62'	24.37'	0°42'58"	1°49'19"
3+75.00	25.00'	25.62'	24.37'	0°42'58"	2°32'17"
4+00.00	25.00'	25.62'	24.37'	0°42'58"	3°15'16"
4+25.00	25.00'	25.62'	24.37'	0°42'58"	3°58'14"
4+50.00	25.00'	25.62'	24.37'	0°42'58"	4°41'12"
4+75.00	25.00'	25.62'	24.37'	0°42'58"	5°24'11"
5+00.00	25.00'	25.62'	24.37'	0°42'58"	6°07'09"
5+25.00	25.00'	25.62'	24.37'	0°42'58"	6°50'07"
5+50.00	25.00'	25.62'	24.37'	0°42'58"	7°33'05"
5+75.00	25.00'	25.62'	24.37'	0°42'58"	8°16'04"
5+76.32	1.32'	1.35'	1.29'	0°02'16"	8°18'20"

Curve #7
Curve Data Based on Centerline
Rad. = 1000' Delta = 15°09' 42" Tangent = 133.09'
Arc = 264.62' L.C. = 263.85' Def/Ft. = 1.71888 Min.

Station	Arc	FACE CHORD LENGTHS 8' Lt.	8' Rt.	Defl.	T. Defl.
5+76.32	–	–	–	0°00'00"	0°00'00"
6+00.00	23.68'	23.09'	24.27'	0°40'42"	0°40'42"
6+25.00	25.00'	24.37'	25.62'	0°42'58"	1°23'40"
6+50.00	25.00'	24.37'	25.62'	0°42'58"	2°06'39"
6+75.00	25.00'	24.37'	25.62'	0°42'58"	2°49'37"
7+00.00	25.00'	24.37'	25.62'	0°42'58"	3°32'35"
7+25.00	25.00'	24.37'	25.62'	0°42'58"	4°15'34"
7+50.00	25.00'	24.37'	25.62'	0°42'58"	4°58'32"
7+75.00	25.00'	24.37'	25.62'	0°42'58"	5°41'30"
8+00.00	25.00'	24.37'	25.62'	0°42'58"	6°24'29"
8+25.00	25.00'	24.37'	25.62'	0°42'58"	7°07'27"
8+40.94	15.94'	15.54'	16.34'	0°27'24"	7°34'51"

P.V.I.
Elev. = 194.80
No V.C.

Sta 3+19.19

+1.836%

+1.223%

P.V.I.
Elev. = 198.00
No V.C.

Sta 5+76.32-PRC

+0.961%

P.V.I.
Elev. = 200.50
66' V.C.

Sta 8+40.94-PRC

-1.691%

Scale: 1" = 20'
• = Iron

Match Line

Ex. 24" SWS

20' Drng. & Util. Esmt.

10' Util. Esmt.

20' Util. Esmt.

Ex. 8" SS

Ex. 8" W

Prop. 4' Walk

Ex. 30" SWS

34' Fc-Fc
64' R/W

SPRING HOLLOW ST.

V. G.

MAINSGATE

KRUG NORTH 2ND ADDITION

31 32 33 34 35 36 37 38

1 2 3 4 5 6

Curve #6

Curve #7

Proposed Pvmt

33 Adjust Manhole Top
From Elev. = 196.50
To Elev. = 197.50

Construct std. comb. roll type curb & gutter (3-5/8")

Construct 4' wide sidewalk

Adjust Manhole Top
From Elev. = 195.80
To Elev. = 196.80

Construct 5" A.C. pavement W/ 5" reinf. rock base.

Sta 7+19.57, 17.25' Rt.
Install subdivision benchmark (Flat survey marker No. 8134-08 3" top diameter) in top of curb. Cost shall be incidental to L.F. curb & gutter.

Adjust Fire Hydrant Bury Line
From Elev. = 198.70
To Elev. = 199.45
Adjust Valve Box
From Elev. = 198.80
To Elev. = 199.55

+1.266%

+0.929%

-1.383%

P.V.I.
Elev. = 198.00
No V.C.

P.V.I.
Elev. = 200.50
56.54' V.C.

NOTE: ROLL TYPE CURB & GUTTER TO BE CONSTRUCTED ON THE PAVEMENT SHOWN ON THIS SHEET. TOP OF CURB ELEVATIONS ARE GIVEN FOR FULL HEIGHT CURB.

Baughman

KRUG NORTH 2ND ADD. - PH. III
MAINSGATE
STA 3+19.19 TO STA 8+40.94

Baughman Company, P.A. 315 Ella St. Wichita, KS 67211 P 316.262.7221 F 316.262.0149
ENGINEERING | SURVEYING | PLANNING | LANDSCAPE ARCHITECTURE

PROJECT NUMBER 472-84249
REVISIONS:
DESIGN ATD
DRAWN TMS
APPROVED
DATE 01/06
SCALE Noted
SHEET **10** OF **39**

KrugNorth2nd\Phaselll\Sta5 05-09-E368