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 #5
Curve Data Based on Centerline
Rad. = 100' Delta = 88° 27' 28" Tangent = 97.34'
Arc = 154.39' L.C. = 139.51' Def/Ft. =17.18851 Min.

Station	Arc	FACE CHORD LENGTHS 8' Lt.	8' Rt.	Defl.	T. Defl.
3+01.57	-	-	-	0°00'00"	0°00'00"
3+25.00	23.43'	29.22'	17.53'	6°42'43"	6°42'43"
3+50.00	25.00'	31.17'	18.70'	7°09'43"	13°52'26"
3+75.00	25.00'	31.17'	18.70'	7°09'43"	21°02'09"
4+00.00	25.00'	31.17'	18.70'	7°09'43"	28°11'52"
4+25.00	25.00'	31.17'	18.70'	7°09'43"	35°21'34"
4+50.00	25.00'	31.17'	18.70'	7°09'43"	42°31'17"
4+55.96	5.96'	7.45'	4.47'	1°42'26"	44°13'44"

P.V.I.
Elev. = 189.00
No V.C.

Scale: 1" = 20'
• = Iron

Sta 4+55.96-PT

Sta 6+35.30

Sta 6+72.30
= ℄ Castle Rock

-1.617%

-1.384%

-1.938%

+1.031%

+1.075%

Sta 3+01.57-PCC

Match Point

Match Point

P.V.I.
Elev. = 191.50
100' V.C.

P.V.I.
Elev. = 191.50
80.40' V.C.

P.V.I.
Elev. = 189.00
No V.C.

Sta 4+06.00, 17.25' Lt. 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.

Valve Box
Elev. = 190.00

Valve Box
Elev. = 186.20

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

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

Curve #5

Proposed P.M.'s

Adjust Manhole Top from Elev. = 189.11 to Elev. = 188.86

Transition from 1/2 crown to full crown in 20'

10' Util. Esmt.

20' Drng. & Util. Esmt.

10' Drng. Esmt.

Ex. 36" SMS

RES. "D"

CASTLE ROCK

BURNING TREE

KRUG NORTH ADDITION

Prop. 4' Walk

Ex. 8" W

Ex. 8" S

34' Fc-Fc
64' R/W

R=20' (Fc)

Fcn @ BL Sta 4+40.30

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/KRUG NORTH ADD. - PH. II
BURNING TREE
STA 3+01.57 TO STA 6+72.30

Baughman Company, P.A. 315 Ella St. Wichita, KS 67211 P 316.263.7271 F 316.263.0149
ENGINEERING | SURVEYING | PLANNING | LANDSCAPE ARCHITECTURE

PROJECT NUMBER 472-83974
DESIGN
DRAWN TMS
REVISIONS
APPROVED
DATE 09/05
SCALE Noted
SHEET **10** OF **44**

KrugNorth2nd\Phase1\Sht5 05-04E231