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 #1
Curve Data Based on Centerline
Rad. = 400' Delta = 43° 58' 33" Tangent = 161.51'
Arc = 307.01' L.C. = 299.53' Def/Ft. = 4.29717 Min.

Station	Arc	FACE CHORD LENGTHS 8' Lt.	8' Rt.	Defl.	T. Defl.
0+00.00	–	–	–	0°00'00"	0°00'00"
0+23.03	23.03'	21.59'	24.47'	1°38'59"	1°38'59"
0+25.00	1.97'	1.85'	2.09'	0°08'28"	1°47'26"
0+50.00	25.00'	23.43'	26.56'	1°47'26"	3°34'51"
0+75.00	25.00'	23.43'	26.56'	1°47'26"	5°22'17"
1+00.00	25.00'	23.43'	26.56'	1°47'26"	7°09'43"
1+01.06	1.06'	0.99'	1.13'	0°04'33"	7°14'16"
1+25.00	23.94'	22.44'	25.43'	1°42'52"	8°57'09"
1+41.91	16.91'	15.85'	17.97'	1°12'40"	10°09'49"
1+50.00	8.09'	7.58'	8.60'	0°34'46"	10°44'34"
1+75.00	25.00'	23.43'	26.56'	1°47'26"	12°32'00"
1+82.75	7.75'	7.27'	8.23'	0°33'18"	13°05'18"
2+00.00	17.25'	16.17'	18.33'	1°14'07"	14°19'26"
2+25.00	25.00'	23.43'	26.56'	1°47'26"	16°06'52"
2+50.00	25.00'	23.43'	26.56'	1°47'26"	17°54'17"
2+75.00	25.00'	23.43'	26.56'	1°47'26"	19°41'43"
3+00.00	25.00'	23.43'	26.56'	1°47'26"	21°29'09"
3+07.01	7.01'	6.57'	7.45'	0°30'07"	21°59'16"

Scale: 1" = 20'
• = Iron

Sta 0+00-PRC
Sta 0+23.03
Sta 1+01.06
Sta 1+41.91
Sta 1+82.75
Sta 2+00.00
Sta 3+07.01-PT
Sta 3+20.00
Sta 3+35.00
Sta 4+70.28
Match Point

-1.205%
-2.494%
+0.732%
-1.106%
-0.587%
-2.315%

P.V.I. Elev. = 190.08 No V.C.
P.V.I. Elev. = 187.20 76' V.C.
P.V.I. Elev. = 191.00 No V.C.
P.V.I. Elev. = 190.50 35.96' V.C.
P.V.I. Elev. = 187.20 80' V.C.

Saw, cut, remove and replace 2' existing pavement as shown. To be incidental to "Site Clearing & Restoration".

Sta 0+23.03, Begin construction of 5" A.C. pvmt. W/5" reinf. rock base and 4' sidewalk.

Sta 0+25.03, 4' Lt.&Rt. Remove type 1 barricade w/ E.O.R. marker for salvage by the City of Wichita.

Manhole Top Elev. = 192.60

Construct std. type A wheel chair ramp with detectable warning (both sides) (See detail, sheet 6)

Construct 7" reinforced concrete valley gutter pavement with monolithic curb (3-5/8")

Sta 1+74.00, 36' Lt. Install std. D3 (SNS) ass'y as per City specs. "24th St N" & Metro SNS "Quincy Cir (2502-2526)".

Valve Box Elev. = 190.80

Valve Box Elev. = 190.80

Sta 1+82.75, 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.

Construct 4' wide sidewalk

Construct std. type 1A inlet hookups & inlet sediment barriers, both sides (See detail, sheet 23)

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

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

QUINCY CIR.
N. SPRINGDALE CIR.
24TH ST. N.
KRUG NORTH ADDITION 2ND
RES. "B"
Existing Ground
Stat/c WSF = 178.50
20' Drng. & Util. Esmt.
15' Util. Esmt.
Proposed Pvmt
34' F-c-F-c 64' R/W

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. IV
24TH ST. N.
STA 0+23.03 TO STA 4+70.28

Baughman Company, P.A. 315 Ella St. Wichita, KS 67211 P 3162637271 F 3162620149
ENGINEERING | SURVEYING | PLANNING | LANDSCAPE ARCHITECTURE

PROJECT NUMBER 472-84250
DESIGN ATD
DRAWN TMS
REVISIONS:
APPROVED
DATE 04/06
SCALE Noted
SHEET **7 OF 35**

KrugNorth2nd\PhaseIV\Str1
05-12-E449