Benchmarks:

"□" Cut Top of Curb North End of Northwest Return at Highland Springs & Hardtner Elev. = 178.72 (City Datum)

"□" Cut Top of Curb West Side of Kentucky Lane ±20' South of End of Existing pavement. Elev. = 182.16 (City Datum)

Scale: 1" = 20'
• = Iron

HIGHLAND SPRINGS 3RD ADDITION

Const. Full-Height Low Edge Medial Curb & Gutter. (6-5/8") (See Detail, Sheet 6)

Sta. 0+03.88 Begin Construction of 4' Wide Concrete Sidewalk (4")

Remove Existing End of Road Markers for Salvage by City. Cost to be Included in Bid Item "Site Clearing and Restoration"

Remove & Replace approx. 100 sf Existing Conc. Sidewalk to nearest joint as indicated removing all settled sidewalk panels. Add Fill as necessary and Compact to 95% Std. Density. Cost Shall be Included in "Site Clearing & Restoration"

Saw Cut, Remove & Replace Existing Surface Course as Indicated. Cost Shall be Included in "Site Clearing and Restoration"

Sta. 0+96, 1' Lt. Install R4-7 (Keep Right) & OM-1 Sign.

Construct 4' Wide Concrete Sidewalk (4")

Trans. from Full-Height to Roll-Type Curb & Gutter in 5' (Both Sides)

Construct Roll-Type Curb & Gutter (3-5/8") (Both Sides)

Trans. from 1/2 Cr. to Full Cr. in 10'

Construct 5" A.C. Pavement w/5" Reinf. Rock Base.

Sta. 0+00 Begin Construction of 5" A.C. Pavement w/ 5" Reinf. Rock Base

Sta. 0+64, 1' Lt. Install R4-7 (Keep Right) & OM-1 Sign.

Valve Box Elevs. = 181.50

Construct Full-Height Curb & Gutter (6-5/8") (Both Sides)

Construct 5" A.C. Pavement w/5" Reinf. Rock Base.

Roll type curb & gutter to be constructed on the pavement on Hartner Ct. Top of curb elevation are given for full height curb.

P.V.I. Sta. 2+95.31 Elev. = 183.47 No V.C.

P.V.I. Sta. 3+79.70 Elev. = 184.79 No V.C.

Curve #7
Curve Data Based on Face of Curb
Rad. = 136' Delta = 13° 04' 41" Tangent = 15.59'
Arc = 31.04' L.C. = 30.98' Def/Ft. =12.63987 Min.

CL Station	Arc	CHORD 8' Lt.	Defl.	T. Defl.
0+00.00	–	–	0°00'00"	0°00'00"
0+15.52	15.52'	14.60'	3°16'10"	3°16'10"
0+31.04	15.52'	14.60'	3°16'11"	6°32'21"

Curve #8
Curve Data Based on Face of Curb
Rad. = 136' Delta = 13° 04' 41" Tangent = 15.59'
Arc = 31.04' L.C. = 30.98' Def/Ft. =12.63987 Min.

CL Station	Arc	CHORD 8' Rt.	Defl.	T. Defl.
0+00.00	–	–	0°00'00"	0°00'00"
0+15.52	15.52'	14.60'	3°16'10"	3°16'10"
0+31.04	15.52'	14.60'	3°16'11"	6°32'21"

Curve #9
Curve Data Based on Face of Curb
Rad. = 250' Delta = 14° 42' 10" Tangent = 32.25'
Arc = 64.14' L.C. = 63.98' Def/Ft. = 6.87688 Min.

CL Station	Arc	CHORD 8' Lt.	Defl.	T. Defl.
0+00.00	–	–	0°00'00"	0°00'00"
0+21.38	21.38'	22.06'	2°27'02"	2°27'02"
0+42.76	21.38'	22.06'	2°27'01"	4°54'03"
0+64.14	21.38'	22.06'	2°27'02"	7°21'05"

Curve #10
Curve Data Based on Face of Curb
Rad. = 250' Delta = 14° 42' 10" Tangent = 32.25'
Arc = 64.14' L.C. = 63.98' Def/Ft. = 6.87688 Min.

CL Station	Arc	CHORD 8' Rt.	Defl.	T. Defl.
0+00.00	–	–	0°00'00"	0°00'00"
0+21.38	21.38'	22.06'	2°27'02"	2°27'02"
0+42.76	21.38'	22.06'	2°27'01"	4°54'03"
0+64.14	21.38'	22.06'	2°27'02"	7°21'05"

Curve #11
Curve Data Based on Centerline
Rad. = 250' Delta = 19° 20' 27" Tangent = 42.60'
Arc = 84.39' L.C. = 83.99' Def/Ft. = 6.87552 Min.

Station	Arc	FACE CHORD LENGTHS 8' Lt.	8' Rt.	Defl.	T. Defl.
2+95.31	–	–	–	0°00'00"	0°00'00"
3+00.00	4.69'	5.10'	4.28'	0°32'15"	0°32'15"
3+25.00	25.00'	27.19'	22.79'	2°51'53"	3°24'08"
3+50.00	25.00'	27.19'	22.79'	2°51'53"	6°16'01"
3+75.00	25.00'	27.19'	22.79'	2°51'54"	9°07'54"
3+79.70	4.70'	5.11'	4.29'	0°32'19"	9°40'13"

Baughman Company, P.A. 315 Ellis St. Wichita, KS 67211 P 316-262-7271 F 316-262-0149
ENGINEERING | SURVEYING | PLANNING | LANDSCAPE ARCHITECTURE

Highland Springs 3rd Addition - Phase III
KENTUCKY LANE & HARDTNER CT.
STA. 0+00 - STA. 3+79.70

PROJECT NUMBER 472-83780
REVISIONS:
DESIGN NBW/JAK DRAWN TMS/JAK
APPROVED DATE 6/21/06
SCALE Noted
SHEET 9 OF 31

F:\Eng\Highland Springs 3rd\Phse 3\Str3 05-09-E358