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

CAUTION!
Ex. 4" SemCrude Gas Line Crossing. Contractor to contact Aaron King with SemCrude at least 48 hours prior to Construction at 316-323-6565.

P.V.I. Elev. = 182.40 No V.C.

P.V.I. Elev. = 182.85 64.56' V.C.

Sta. 4+57.70-P.T.

Sta. 5+43.17-P.C.C.

Sta. 7+35.41-P.C.C.

Sta. 8+41.19

+0.593%

+0.527%

-1.258%

HIGHLAND SPRINGS 3RD ADDITION

Match Line

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

Sta. 8+15, 1' Lt. Install R4-7 (Keep Right) & OM-1 Sign.

Iron @ Sta. 7+99.48

60' SemCrude Pipeline Easement

RESERVE "A"

Sta. 7+28.24-P.C.

Sta. 7+47.87-P.T.

Sta. 7+80.72-P.C.

Sta. 8+31.73-P.T.

Sta. 8+84.50 = ℄ Highland Springs

Sta. 8+47, 33' Lt. Install Std. D3 (SNS) Ass'y per City Specs. " Hardtner " & " Highland Springs " (See Detail, Sheet 4)

Iron @ Sta. 8+54.94

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

Sta. 8+36, 1' Lt. Install R4-7 (Keep Right) & OM-1 Sign.

Remove Existing End of Rood Markers and Relocate to Sta. 0+18, Sheet 7. Cost to be Included in "Site Clearing and Restoration."

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

HARDTNER

HIGHLAND SPRINGS

Curve #2
Curve #3
Curve #4
Curve #5
Curve #6

Sta. 8+15.48, 1' Lt. = Radius Point

R=512.43'

Sta. 8+54.94-P.T.

Sta. 8+35.90, 1' Lt. = Radius Point

Existing AC Pavmt

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

Construct 4' Wide Concrete Sidewalk (4")

Sta. 5+43.17, 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.

Valve Box Elev. = 182.90

Proposed AC Pavmt

Exist. 8" Water Line

Proposed 4' Walk

Exist. 4' Conc. Walk

Exist. 8" San. Sewer

20' Drng. & Util. Esm't

Exist. 24" SNS

25' Drng. & Util. Esm't

Exist. 8" San. Sewer

Proposed 24" SNS

Exist. 4" SemCrude Steel Gas Line

Sta. 7+92.48-P.C.C.

Sta. 7+64.41-P.T.

Sta. 8+10.64-E.R.C.

RES. "H"

HIGHLAND SPRINGS 2ND ADDITION

HIGHLAND SPRINGS 3RD ADDITION

-1.292%

-1.488%

+0.529%

Sta. 7+17.77

P.V.I. Elev. = 180.69 No V.C.

Sta. 7+35.41-P.C.C.

Sta. 8+41.19

Sta. 8+84.50 = ℄ Highland Springs

Sta. 5+43.17-P.C.

P.V.I. Elev. = 182.85 62.76' V.C.

Sta. 4+57.70-P.T.

Install 2-28' Long 4" PVC pipes (Left) & 2-30' long 4" PVC pipes (Right) under pavement. Cap each end. Mark Ends of Pipe with Wooden Stake Painted Pink. (Incidental to Project Cost)

Sta. 8+41.19 ℄ Highland Springs
End Construction of 5" A.C. Pavement w/ 5" Reinf. Rock Base

Sta. 8+54.26
End Construction of 4' Wide Concrete Sidewalk (4")

Iron @ Sta. 8+54.94

Curve #2
Curve Data Based on Centerline
Rad. = 1200' Delta = 9° 10' 44" Tangent = 96.33'
Arc = 192.24' L.C. = 192.04' Def/Ft. = 1.43241 Min.

Station	Arc	FACE CHORD LENGTHS 8' Lt.	8' Rt.	Defl.	T. Defl.
5+43.17	–	–	–	0°00'00"	0°00'00"
5+50.00	6.83'	6.97'	6.69'	0°09'47"	0°09'47"
5+75.00	25.00'	25.52'	24.48'	0°35'48"	0°45'35"
6+00.00	25.00'	25.52'	24.48'	0°35'48"	1°21'24"
6+25.00	25.00'	25.52'	24.48'	0°35'48"	1°57'13"
6+50.00	25.00'	25.52'	24.48'	0°35'48"	2°33'01"
6+75.00	25.00'	25.52'	24.48'	0°35'48"	3°08'50"
7+00.00	25.00'	25.52'	24.48'	0°35'48"	3°44'38"
7+17.77	17.77'	18.14'	17.40'	0°25'27"	4°10'06"
7+25.00	7.23'	7.38'	7.09'	0°10'21"	4°20'27"
7+29.74	4.74'	4.84'	4.64'	0°06'47"	4°27'14"
7+35.41	5.67'	5.79'	5.55'	0°08'07"	4°35'22"

Curve #3
Curve Data Based on Face of Curb
Rad. = 200' Delta = 14° 28'00" Tangent = 25.38'
Arc = 50.5' L.C. = 50.36' Def/Ft. = 8.59406 Min.

CL Station	Arc	CHORD 8' Rt.	Defl.	T. Defl.
7+12.77	–	–	0°00'00"	0°00'00"
7+38.41	25.25'	24.22'	3°36'60"	3°36'60"
7+64.41	25.25'	24.22'	3°36'60"	7°13'60"

Curve #4
Curve Data Based on Face of Curb
Rad. = 250' Delta = 4° 16' 44" Tangent = 9.34'
Arc = 18.68' L.C. = 18.67' Def/Ft. = 6.87188 Min.

CL Station	Arc	CHORD 8' Lt.	Defl.	T. Defl.
7+29.74	–	–	0°00'00"	0°00'00"
7+38.87	9.34'	9.04'	1°04'11"	1°04'11"
7+47.87	9.34'	9.04'	1°04'11"	2°08'22"

Curve #5
Curve Data Based on Face of Curb
Rad. = 200' Delta = 4° 55' 43" Tangent = 8.61'
Arc = 17.2' L.C. = 17.20' Def/Ft. = 8.59641 Min.

CL Station	Arc	CHORD 8' Rt.	Defl.	T. Defl.
7+92.48	–	–	0°00'00"	0°00'00"
8+01.57	8.60'	8.95'	1°13'56"	1°13'56"
8+10.64	8.60'	8.95'	1°13'56"	2°27'51"

Curve #6
Curve Data Based on Face of Curb
Rad. = 200' Delta = 15° 24' 59" Tangent = 27.07'
Arc = 53.82' L.C. = 53.65' Def/Ft. = 8.59330 Min.

CL Station	Arc	CHORD 8' Lt.	Defl.	T. Defl.
7+80.72	–	–	0°00'00"	0°00'00"
8+06.19	26.81'	27.86'	3°50'23"	3°50'23"
8+31.73	27.01'	28.07'	3°52'06"	7°42'29"

Baughman

Highland Springs 3rd Addition - Phase III
HARDTNER
STA. 4+57.70 - STA. 8+41.19

Baughman Company, P.A. 315 Ella St. Wichita, KS 67211 P 3162632323 F 3162632149
ENGINEERING | SURVEYING | PLANNING | LANDSCAPE ARCHITECTURE

PROJECT NUMBER 472-83780
REVISIONS

DESIGN NBW/JAK | DRAWN TMS/JAK
APPROVED | DATE 6/21/06
SCALE Noted
SHEET 8 OF 31

F:\Eng\Highland Springs 3rd\Phse 3\Str2 0509-E358