Benchmarks:

135th St. W. & Central
City of Wichita Benchmark
DISC – NE Cor. Intersection,
32.6' N. & 24.5' E. of C both.
39.5' NE of Iron at Sec. Cor.
Elev. = 159.50 (City Datum)

Brass disc in curb – east side
of Aksarben adjacent to fire
hydrant 5'± South of SW Cor.
Lot 8, Block A, Highland
Springs 3rd Addition.
Elev. = 170.00 (City Datum)

Curve #3
Curve Data Based on Centerline
Rad. = 350' Delta = 30° 25' 44" Tangent = 95.19'
Arc = 185.88' L.C. = 183.70' Def/Ft. = 4.91105 Min.

Station	Arc	FACE CHORD LENGTHS 9' Lt.	8' Rt.	Defl.	T. Defl.
6+54.18	–	–	–	0°00'00"	0°00'00"
6+75.00	20.82'	22.36'	19.27'	1°42'15"	1°42'15"
7+00.00	25.00'	26.85'	23.14'	2°02'46"	3°45'01"
7+25.00	25.00'	26.85'	23.14'	2°02'47"	5°47'48"
7+50.00	25.00'	26.85'	23.14'	2°02'47"	7°50'35"
7+75.00	25.00'	26.85'	23.14'	2°02'46"	9°53'21"
8+00.00	25.00'	26.85'	23.14'	2°02'47"	11°56'08"
8+25.00	25.00'	26.85'	23.14'	2°02'46"	13°58'54"
8+40.06	15.06'	16.18'	13.94'	1°13'58"	15°12'52"

Scale: 1" = 20'
• = Iron

Sta. 6+54.18–PRC
Match Line
+0.501%
Sta. 8+40.06–PT
P.V.I.
Elev. = 173.60
82.60' V.C.
Sta. 9+05.19
–1.978%
Sta. 10+71.53
Sta. 11+21.53
= ℄ Central Ave.
HIGHLAND SPRINGS 3RD ADDITION
RESERVE "B"
RESERVE "C"
RESERVE "D"
THOROUGHBRED
THOROUGHBRED CT.
CENTRAL AVE.
10' Util. Esmt.
Construct 5" A.C. pavement W/ 6" reinf. rock base.
Construct 4' Wide Concrete Sidewalk (4")
Construct std. comb. full height curb & gutter (6–5/8")
Prop. 4' Walk
Curve #3
Curve #4A
Curve #4B
Curve #5A
Curve #5B
Sta. 10+74.00, 44' Lt. Install Metro (SNS) ass'y as per City specs. "Thoroughbred (600 N)" & "Central (14100 W)".
Sta. 10+34.28, 1' Lt. & Sta. 10+66.28, 1' Lt. Install R4–7 (keep right) & OM–1 sign
Valve Box Elev. = 170.50
Valve Box Elevs. = 173.20
Valve Box Elev. = 173.15
Construct concrete flume, both sides, per detail, sheet 13.
Saw Cut, Remove & Replace Existing Surface Course as Indicated. Cost Shall be Included in "Site Clearing and Restoration"
Construct 5" A.C. mat pavement W/ 6" reinf. rock base.
Install 90 L.F. 24" R.C.P. w/End Sections and 25 S.Y. light stone rip–rap as indicated (each end). Regrade Area as Necessary for Proper Drainage. Cost of Regrading to be Included in Pipe Cost.
Install 2–27' Long 4" PVC pipes (Left) & 2–29' long 4" PVC pipes (Right) under pavement. Cap each end. Mark Ends of Pipe with Wooden Stake Painted Pink. (Incidental to Project Cost)
Sta. 10+71.53, 33' Rt. Install R1–1 (stop) sign.
Manhole Top Elev. = 173.30
Sta. 8+79.00, 36' Rt. Install std. D3 (SNS) ass'y per City specs. "Thoroughbred" & "Thoroughbred Ct (610 – 642)".
Iron @ Sta. 8+76.19
Iron @ Sta. 9+34.19
Const. full–height low edge medial curb & gutter. (6–5/8") (See detail, sheet 7) Median shall be filled with friable fill materia
Construct std. type A wheel chair ramp with detectable warning (both sides) (See detail, sheet 6)
Trans. from Full–Height Curb & Gutter (6–5/8") to Roll–Type Curb & Gutter (3–5/8") Through Wheelchair Ramp (Both Sides)
Contractor to Adjust Existing Manhole Top From 170.30 to Elev. = 170.80 (Incidental to Project Cost)
Match Line
+0.503%
Sta. 6+54.18–PRC
P.V.I.
Elev. = 172.29
No V.C.
+0.552%
–1.959%
Sta. 8+40.06–PT
Sta. 8+61.19
Sta. 9+05.19 = ℄ Thoroughbred Ct.
Sta. 9+49.56
Sta. 10+71.53
Sta. 11+21.53 = ℄ Central Ave.

Curve #4A
Curve Data Based on Centerline
Rad. = 250' Delta = 7° 19' 35" Tangent = 16.01'
Arc = 31.98' L.C. = 31.95' Def/Ft. = 6.87279 Min.

Station	Arc	FACE CHORD LENGTHS 8' Lt.	Defl.	T. Defl.
A	–	–	0°00'00"	0°00'00"
B	15.99'	15.47'	1°49'54"	1°49'54"
C	15.99'	15.47'	1°49'54"	3°39'48"

Curve #4B
Curve Data Based on Centerline
Rad. = 250' Delta = 6° 34' 23" Tangent = 14.36'
Arc = 28.90' L.C. = 28.66' Def/Ft. = 6.82324 Min.

Station	Arc	FACE CHORD LENGTHS 8' Rt.	Defl.	T. Defl.
D	–	–	0°00'00"	0°00'00"
E	14.45'	13.88'	1°38'36"	1°38'36"
F	14.45'	13.88'	1°38'36"	3°17'12"

Curve #5A
Curve Data Based on Centerline
Rad. = 250' Delta = 7° 19' 35" Tangent = 16.01'
Arc = 31.98' L.C. = 31.95' Def/Ft. = 6.87279 Min.

Station	Arc	FACE CHORD LENGTHS 8' Lt.	Defl.	T. Defl.
G	–	–	0°00'00"	0°00'00"
H	15.99'	16.49'	1°49'54"	1°49'54"
I	15.99'	16.49'	1°49'54"	3°39'48"

Curve #5B
Curve Data Based on Centerline
Rad. = 250' Delta = 7° 19' 35" Tangent = 16.01'
Arc = 31.98' L.C. = 31.95' Def/Ft. = 6.87279 Min.

Station	Arc	FACE CHORD LENGTHS 8' Rt.	Defl.	T. Defl.
J	–	–	0°00'00"	0°00'00"
K	15.99'	16.49'	1°49'54"	1°49'54"
L	15.99'	16.49'	1°49'54"	3°39'48"

Baughman
Highland Springs 3rd Addition - Phase II
THOROUGHBRED
STA 6+54.18 TO STA 11+21.53

Baughman Company, P.A. 318 Ellis St. Wichita, KS 67211 P 316.263.7221 F 316.263.6149
ENGINEERING | SURVEYING | PLANNING | LANDSCAPE ARCHITECTURE

PROJECT NUMBER 412-83779
REVISIONS:
DESIGN NBW
DRAWN TMS/JAK
APPROVED
DATE 4/21/05
SCALE Noted
SHEET 10 OF 39

Highland Springs 3rd\Phase 2\Str3.dwg 04-06-E927