BENCHMARK:
City of Wichita benchmark at the SE corner of intersection of 135th Street West and 13th Street North.
Elev. = 167.83 (City Datum)

Brass Benchmark Disc
Adjacent to Fire Hydrant at E. End of E. Curb Return of Ponderosa & Ponderosa Ct.
Elev. = 170.96 (City Datum)

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

Remove existing end of road Markers and Relocate to Sta. 0+08.00, Sheet 9. Cost to be Included in "Site Clearing and Restoration."

Sta. 0+52.27, Begin construction of 5" A.C. Pvmt. W/5" Reinf. Rock Base and 4' Wide Concrete Sidewalk (4")

Sta. 0+00-PRC

P.V.I.
Elev. = 168.00
41.60' V.C.

Sta. 0+52.27

Sta. 0+75.00

-1.058%

Construct std. type 1A inlet hookup & inlet sediment barrier, both sides (See detail, sheet 17) Adjust inlet top to match proposed grade, both sides. To be bid as "Inlet Adjustment".

P.V.I.
Elev. = 169.42
No V.C.

P.V.I.
Elev. = 170.00
No V.C.

Sta. 2+69.80-PT

Sta. 3+55.06

Sta. 4+23.92-PC

Sta. 5+56.26-PT

P.V.I.
Elev. = 171.40
54' V.C.

Sta. 6+05.47

-1.341%

+0.796%

+0.680%

+0.585%

COPPER GATE ESTATES

Contractor to Adjust Existing Manhole Top From Elev. = 169.0 to Elev. = 169.5 (Incidental to Project Cost)

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

Construct std. type 1A inlet hookups & inlet sediment barrier. (See detail, sheet 17) Adjust inlet top to match proposed grade. To be bid as "Inlet Adjustment".

Valve Box
Elev. = 171.50

Iron @ Sta. 6+34.47

Match Line

Sta. 6+39.47

Sta. 6+05.47
= ℄ Aksarben Ct.

AKSARBEN CT.

Curve #1

Curve #2

RES. "A"

RES. "B"

Existing Ditch

Existing Pvmt

Proposed Pvmt

HARVEST LANE

AKSARBEN

Iron @ Sta. 2+86.01

Sta. 2+91.00, 35' Rt. Install Std. D3 (SNS) Ass'y as per City specs. "Aksarben" & "Harvest Lane"

Const. 7" Reinforced Concrete Valley Gutter Pavement on 5" Rein. Rock Base w/Monolithic Edge Curb. (6-5/8")(See Detail, Sheet 5.)

Valve Box
Elev. = 170.10

Iron @ Sta. 3+50.01

Construct Std. Type A Wheel Chair Ramp with Detectable Warning (Both Sides) (See Detail, Sheet 5) Transition from full height curb (6-5/8") to roll curb (3-5/8") through wheelchair ramp (both sides).

Sta. 3+40.00, 37.5' Rt. Install R1-1 (Stop) sign.

Sta. 3+17.69
= ℄ Harvest Lane

Iron @ Sta. 5+76.47

Sta. 5+82.00, 35' Rt. Install Std. D3 (SNS) Ass'y as per City specs. "Aksarben" & Metro SNS "Aksarben Ct (1011-1059)".

Construct Std. Comb. Full Height Curb & Gutter (6-5/8")

Construct 4' Wide Concrete Sidewalk (4")

Construct Std. Type A Wheel Chair Ramp with Detectable Warning (Both Sides) (See Detail, Sheet 5) Transition from full height curb (6-5/8") to roll curb (3-5/8") through wheelchair ramp (both sides).

Sta. 5+71.47

Sta. 5+56.26-PT

+0.674%

+0.505%

Scale: 1" = 20'
• = Iron

Curve #1
Curve Data Based on Centerline
Rad. = 200' Delta = 77° 17' 27" Tangent = 159.92'
Arc = 269.80' L.C. = 249.80' Def/Ft. = 8.59424 Min.

Station	Arc	FACE CHORD LENGTHS 8' Lt.	8' Rt.	Defl.	T. Defl.
0+00.00	–	–	–	0°00'00"	0°00'00"
0+52.27	52.27'	45.61'	58.64'	7°29'13"	7°29'13"
0+75.00	22.73'	19.88'	25.56'	3°15'21"	10°44'34"
1+00.00	25.00'	21.86'	28.11'	3°34'51"	14°19'25"
1+25.00	25.00'	21.86'	28.11'	3°34'52"	17°54'17"
1+50.00	25.00'	21.86'	28.11'	3°34'51"	21°29'08"
1+75.00	25.00'	21.86'	28.11'	3°34'51"	25°03'59"
2+00.00	25.00'	21.86'	28.11'	3°34'52"	28°38'51"
2+25.00	25.00'	21.86'	28.11'	3°34'51"	32°13'42"
2+50.00	25.00'	21.86'	28.11'	3°34'52"	35°48'34"
2+69.80	19.80'	17.32'	22.27'	2°50'10"	38°38'44"

Curve #2
Curve Data Based on Centerline
Rad. = 200' Delta = 37° 54' 47" Tangent = 68.70'
Arc = 132.34' L.C. = 129.94' Def/Ft. = 8.59443 Min.

Station	Arc	FACE CHORD LENGTHS 8' Lt.	8' Rt.	Defl.	T. Defl.
4+23.92	–	–	–	0°00'00"	0°00'00"
4+25.00	1.08'	0.94'	1.21'	0°09'17"	0°09'17"
4+50.00	25.00'	21.86'	28.11'	3°34'52"	3°44'09"
4+75.00	25.00'	21.86'	28.11'	3°34'51"	7°19'00"
5+00.00	25.00'	21.86'	28.11'	3°34'52"	10°53'52"
5+25.00	25.00'	21.86'	28.11'	3°34'52"	14°28'44"
5+50.00	25.00'	21.86'	28.11'	3°34'51"	18°03'35"
5+56.26	6.26'	5.48'	7.04'	0°53'49"	18°57'24"

Baughman

Copper Gate Estates - Phase III
AKSARBEN
STA. 0+52.27 TO STA. 6+39.47

Baughman Company, P.A. 315 Ellis St. Wichita, KS 67211 P 316.263.7221 F 316.263.0149
ENGINEERING | SURVEYING | PLANNING | LANDSCAPE ARCHITECTURE

PROJECT NUMBER 472.83671
DESIGN NBW
DRAWN TMS
APPROVED
DATE 4/06/05
REVISIONS:
SCALE Noted
SHEET 6 OF 30

CopperGate\Phase 3\Str1.dwg 0406-E956