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

Scale: 1" = 20'
• = Iron

P.V.I. Elev. = 173.92 No V.C.
P.V.I. Elev. = 172.40 50.64' V.C.
P.V.I. Elev. = 172.95 43.56' V.C.
P.V.I. Elev. = 172.95 36.72' V.C.

Sta 10+17.24–PT
Sta 11+67.24
Sta 12+36.24–PC
Sta 12+51.67
Sta 13+45.07–PRC
Sta 14+81.11–PT
Sta 15+02.14
Sta 15+36.14 = ℄ Ponderosa Ct.
Sta 15+70.14
Sta 12+04.24 = ℄ Aksarben
Sta 12+42.38

−0.718%
−0.645%
+0.543%
−0.643%
−0.809%
−0.611%
+0.585%
−0.571%

COPPER GATE ESTATES
PONDEROSA
PONDEROSA CT.
AKSARBEN
Match Line

Construct 4' Wide Sidewalk
Construct Std. Comb. Full Height Curb & Gutter (6–5/8")
Valve Box Elev. = 173.20
Prop. 4' Walk
Ex. 8" W
Adjust inlet top to match proposed grade, both sides. To be bid as "Inlet Adjustment".
Construct std. type 1A inlet hookups & inlet sediment barriers, both sides (See detail, sheet 16)
20' Drng. Esmt.
30' Drng. & Util. Esmt.
15' Util. Esmt.
Ex. 15" SMS
Ex. 10" SMS
Transition from roll (3–5/8") curb to full height (6–5/8") curb through wheelchair ramp (both sides).
Construct 7" Reinforced Concrete Volley Gutter Pavement with monolithic curb (6–5/8")
Sta 15+12.00, 34' Lt. Install Std. D3 (SNS) Ass'y as per City specs. "Ponderosa" & Metro SNS "Ponderosa Ct (_____–_____)".
Construct Std. Wheelchair Ramp (Both Sides)
Construct 5" A.C. Pavement W/ 5" Reinf. Rock Base.
Construct Std. Wheelchair Ramp (Both Sides)
Valve Box Elev. = 173.20
Install hay bale barrier per detail, sheet 16.
Iron @ Sta 11+72.46
Iron @ Sta 12+36.24
Construct 7" Reinforced Concrete Valley Gutter Pavement with monolithic curb (6–5/8")
Sta 12+04.24, 39' Rt. Install End of Road Markers. (See detail, sheet 4)
Transition from roll (3–5/8") curb to full height (6–5/8") curb through radius (both sides).
Sta 15+36.14, 39' Rt. Install End of Road Markers. (See detail, sheet 4)
Install hay bale barrier per detail, sheet 16.
Iron @ Sta 15+07.15
Iron @ Sta 15+65.15
Valve Box Elev. = 171.40
Valve Box Elev. = 171.30
Valve Box Elev. = 171.50
Curve #4
Curve #5
34' (Fc–Fc)
64' R/W
28' (Fc–Fc)
58' R/W
Proposed Pvmt.

Curve #4
Curve Data Based on Centerline
Rad. = 200' Delta = 31° 10' 44" Tangent = 55.80'
Arc = 108.83' L.C. = 107.50' Def/Ft. = 8.59475 Min.

Station	Arc	FACE CHORD LENGTHS 8' Lt.	8' Rt.	Defl.	T. Defl.
12+36.24	–	–	–	0°00'00"	0°00'00"
12+42.38	6.14'	6.91'	5.37'	0°52'46"	0°52'46"
12+50.00	7.62'	8.57'	6.67'	1°05'30"	1°58'16"
12+75.00	25.00'	28.11'	21.86'	3°34'52"	5°33'08"
13+00.00	25.00'	28.11'	21.86'	3°34'52"	9°08'00"
13+25.00	25.00'	28.11'	21.86'	3°34'52"	12°42'52"
13+45.07	20.07'	22.57'	17.55'	2°52'30"	15°35'22"

Curve #5
Curve Data Based on Centerline
Rad. = 250' Delta = 31° 10' 44" Tangent = 69.75'
Arc = 136.04' L.C. = 134.37' Def/Ft. = 6.87567 Min.

Station	Arc	FACE CHORD LENGTHS 8' Lt.	8' Rt.	Defl.	T. Defl.
13+45.07	–	–	–	0°00'00"	0°00'00"
13+50.00	4.93'	4.44'	5.42'	0°33'54"	0°33'54"
13+75.00	25.00'	22.49'	27.49'	2°51'53"	3°25'47"
14+00.00	25.00'	22.49'	27.49'	2°51'54"	6°17'41"
14+25.00	25.00'	22.49'	27.49'	2°51'53"	9°09'34"
14+50.00	25.00'	22.49'	27.49'	2°51'54"	12°01'28"
14+75.00	25.00'	22.49'	27.49'	2°51'53"	14°53'21"
14+81.11	6.11'	5.50'	6.72'	0°42'01"	15°35'22"

COPPER GATE ESTATES - PHASE I
PONDEROSA
STA 10+17.24 TO STA 15+70.14

BAUGHMAN COMPANY P.A.
ENGINEERING, SURVEYING, & PLANNING
316-262-7271 • 315 ELLIS • WICHITA, KANSAS 67211

PROJECT NUMBER	SHEET
472-83669	9 OF 32

DESIGN	DRAWN	APPROVED	DATE	SCALE
BLP	TMS		4/30/03	Noted

CopperGate/Str4 02-10-E432