Curve A

Curve Data Based on Centerline
Rad. = 107' Delta = 80° 35' 45" Tangent = 90.74'
Arc = 150.51' L.C. = 138.41' Def/Ft. =16.06455 Min.

		FACE CHORD LENGTHS			
Station	Arc	@ Lt.	@ Rt.	Defl.	T. Defl.
1+12.00	–	–		0°00'00"	0°00'00"
1+25.00	13.00'	13.96'	12.02'	3°28'50"	3°28'50"
1+50.00	25.00'	26.81'	23.08'	6°41'37"	10°10'27"
1+75.00	25.00'	26.81'	23.08'	6°41'37"	16°52'04"
2+00.00	25.00'	26.81'	23.08'	6°41'37"	23°33'41"
2+30.58	30.58'	32.76'	28.20'	8°11'15"	31°44'56"

Curve B

Curve Data Based on Centerline
Rad. = 72.65' Delta = 90° 33' 28" Tangent = 73.35'
Arc = 114.82' L.C. = 103.24' Def/Ft. =23.66080 Min.

		FACE CHORD LENGTHS			
Station	Arc	@ Lt.	@ Rt.	Defl.	T. Defl.
1+12.00	–	–		0°00'00"	0°00'00"
1+25.00	13.00'	14.41'	11.55'	5°07'35"	5°07'35"
1+50.00	25.00'	27.62'	22.14'	9°51'31"	14°59'06"
1+75.00	25.00'	27.62'	22.14'	9°51'31"	24°50'38"
2+00.00	25.00'	27.62'	22.14'	9°51'31"	34°42'09"
2+25.00	25.00'	27.62'	22.14'	9°51'31"	44°33'40"
2+50.00	25.00'	27.62'	22.14'	9°51'31"	54°25'11"
2+63.37	13.37'	14.82'	11.88'	5°16'20"	59°41'32"

Subdivision Bench Marks

No.	Street and Station	From CL	Description	Elevation
1	Stafford, Sta. 2+90.21	17.0' Lt.	S.E. End of Curb Return Intersection of Stafford and Stafford Ct. (N)	

BRENTWOOD SOUTH

CONSTRUCT VALLEY GUTTER PAVEMENT. 7" REINFORCED CONCRETE W/ 5" CRUSHED ROCK BASE AND MONOLITHIC EDGE CURB (3 5/8")

Sta 2+79, 25.0' Lt. INSTALL SNS "Stafford" "Stafford Ct 10010–10034"

P.V.I. ELEV. 1388.14 NO V.C.

P.V.I. ELEV. 1387.82 NO V.C.

−0.5%

Walk = TC + 0.3'

2+30.05

2+90.21

4+57.49 PC

Sta. 2+56.05 Stafford = Sta. 0+00 Stafford Ct

CONSTRUCT 5" ASPHALT CONCRETE PAVEMENT W/ 5" CRUSHED ROCK BASE

STAFFORD CT.

RES. "F"

7

8

120'

52.30'

IRON

R=30' T.C.

4.0' Flowline

B-M#1

0+00

3+00

4+00

5+00

2+63.37 P.I.

Proposed Water

STAFFORD

4+57.49 P.C.

Proposed 8" Water

CONSTRUCT 4" CONCRETE SIDEWALK (4' WIDE) WITH WC RAMPS AS SHOWN.

Curve A

Curve 1

Curve B

175.40'

91.11'

77.21'

CONSTRUCT COMBINED ROLL TYPE CURB AND GUTTER (3 5/8") BOTH SIDES

42'

75'

75'

27

26

25

10' UTIL ESMT

2.12'

2+63.37 P.T.

4+57.49 PC

P.V.I. ELEV. 1387.95 NO V.C.

−0.5%

STA 0+75 INSTALL 2 – 4" PVC SLEEVES UNDER PAVEMENT. TOP ELEV = 1396.0 *COST SUBSIDIARY TO PROJECT

CONSTRUCT 8" MEDIAL CURB

1+12.00 P.C.

−0.8%

STA 0+59 & STA 1+02 INSTALL (2) R4–7 "KEEP RIGHT" & (2) OM–1

28

6

62'

P.V.I. ELEV. 1388.89 NO V.C.

PROPOSED SS

30' UTIL. & DNG. ESMT

10' UTIL. ESMT

P.V.I. ELEV. 1389.20 NO V.C.

0+50 BEGIN

INSTALL R1–1 (STOP SIGN)

Sta 0+55, Rt. 32.0' Install SNS "Pawnee 10000 E" "Stafford 2300 S"

P.V.I. ELEV. 1389.20 NO V.C.

STA 0+75 INSTALL 2 – 4" PVC SLEEVES UNDER PAVEMENT. TOP ELEV. = 1396.0 *COST SUBSIDIARY TO PROJECT

PAWNEE

0+00

Existing AC Mat

STA. 0+23.63 INSTALL 75 L.F. 18" RCP LENGTH INCL END SECTIONS. FL W = 1385.76 FL E = 1385.81 PLACE 11 S.Y. LIGHT STONE RIPRAP AS INDICATED.

CONSTRUCT 5" A.C. TEMPORARY HOOKUP (5" REINFORCED CRUSHED ROCK BASE) AS INDICATED.

Reserve to be dedicated as street R/W (By Seperate Instrument)

42" PVC Riser w/cap

90° long sweep bend typ.

24' F – F

1/4" PER FOOT

12"

5" C.R. BASE W/ FABRIC REINFORCEMENT

PVC Sleeve

8" Medial Curb

14' F – F

16' F – F

2" S.C. 3" B.B. 3/8" PER FOOT

42" PVC Riser w/cap

PVC Sleeve

5" CRUSHED ROCK BASE

Section through Median

* Not to Scale

SCALE 1" = 20'

IRON = ●

NOTE: ROLL TYPE CURB AND GUTTER TO BE CONSTRUCTED ALONG PAVEMENT DEPICTED ON THIS SHEET

Brentwood South Addition, Paving Improvements
Kinkaid / Stoneybrook
WICHITA, KANSAS

Ruggles & Bohm, P.A.
Engineering, Surveying, Land Planning
924 North Main
Wichita, Kansas 67203
www.rbkansas.com
(316) 264-8008
(316) 264-4621 fax
E-mail: info@rbkansas.com

DESIGN	KWL
DRAWN	RLS
REVIEW	
UTILITY	
DATE	Sept. 13, 2005
RB JOB	2706
SHEET	5 OF 30
DRAWING FILE	paving {Stafford (1)}
PROJECT NUMBER	472–84270