GRAPHIC SCALE
20 0 10 20 40
(IN FEET)
1 INCH = 20 FT.

Δ =17°42'24" L=185.42' R=600.00' T=93.46'

CURVE TABLE BASED ON CL RADIUS

STATION	CL ARC	CHORD LENGTH 8' LT.	CL	8' RT.	DEFLECTION	TOTAL DEFLECTION
0+00.00 P.C.						
0+25.00	25.00'	24.06'	25.00'	25.94'	1°11'37"	1°11'37"
0+32.51	7.51'	7.23'	7.51'	7.79'	0°21'31"	1°33'8"
0+43.12	10.61'	10.21'	10.61'	11.01'	0°30'24"	2°3'32"
0+50.00	6.88'	6.62'	6.88'	7.14'	0°19'43"	2°23'14"
0+75.00	25.00'	24.06'	25.00'	25.94'	1°11'37"	3°34'52"
1+00.00	25.00'	24.06'	25.00'	25.94'	1°11'37"	4°46'29"
1+25.00	25.00'	24.06'	25.00'	25.94'	1°11'37"	5°58'6"
1+50.00	25.00'	24.06'	25.00'	25.94'	1°11'37"	7°9'43"
1+75.00	25.00'	24.06'	25.00'	25.94'	1°11'37"	8°21'20"
1+85.42 P.T.	10.42'	10.03'	10.42'	10.81'	0°29'52"	8°51'12"
DEFLECTION/FOOT =0.047746483 DEGREES						2.864788976 MINUTES

Reserve C
Prop. 8" San. Sewer
BLOCK 2
45
46
47
48
49
50
51
52
53
54
14.50' 35' B-B 14.50'
64' R/W
TRIPLE CROWN
EQUESTRIAN CIR.
58' R/W
29' B-B
14.50'
4' Conc. Sidewalk
5" R.C. Valley Gutter w/5" Crushed Rock Base on Fabric Reinforcement
5" A.C. Pavement w/5" Crushed Rock Base on Fabric Reinforcement
4' Wheelchair Ramp L=8' (Typ. Both Sides)
Prop. 6" WL
Reduce Grade Sta. 0+30.23 to 0+80.23
-1.00% CL Grade
+0.63% CL Grade
+0.5' Wk. Grade
+0.70% CB Grade
Begin V.C.
End V.C.
P.V.I. 80.00' V.C. Elev.= 1332.70
Δ=16°55'40" R=300.00' L=88.63' T=44.64'
R=314.00' Fc.
R=329.00'
R=586.00' Fc.
R=571.00'
R=629.00'
R=614.00' Fc.
R=271.00'
R=286.00' Fc.
Δ=99°41'44" R=20.00' Fc. L=34.80' T=23.71'
Δ=83°25'38" R=20.00' Fc. L=29.12' T=17.83'
Street Name Sign Triple Crown Equestrian Cir.
Δ=17°42'24" R=600.00' L=185.42' T=93.46'
Δ=61°48'59" R=20.00' Fc. L=18.09' T=9.72'
Δ=283°37'59" R=35.00' Fc. L=173.26' T=27.53'
Δ=51°48'59" R=20.00' Fc. L=18.09' T=9.72'
Sta. 4+29.44 14.50' Rt. Install Subdivision Benchmark (See Note 10 on Sheet 1)
Comb. Cb. & Gtr. (3 5/8" and 1 1/2")
Sta. 2+37 & 2+45.93 CL Proposed 2-53"x34" HERCP
Constr. Double Inlet Hookup
P.T. 3+63.92
P.C. 2+75.29
2+77
2+37
2+45.93
2+50
1+97
2+00
1+85.42
1+75
1+50
1+25
1+00
0+75
0+50
0+43.12
0+32.51
0+00
3+00
3+25
3+50
4+00
4+29.44
4+72.67

No.	Street and Station	From CL	Description	Elevation
6	Equestrian Cir., 4+29.44	14.50' (S)	Top of Curb (S), at Curb Return	1333.79

NOTE:
All Right-of-Way grades from Sta. 2+37 to Sta. 2+50 are 0.5' below top of curb elevations.

Δ =16°55'40" L=88.63' R=300.00' T=44.64'

CURVE TABLE BASED ON CL RADIUS

STATION	CL ARC	CHORD LENGTH 8' LT.	CL	8' RT.	DEFLECTION	TOTAL DEFLECTION
2+75.29 P.C.						
3+00.00	24.71'	26.56'	24.70'	22.85'	2°21'35"	2°21'35"
3+25.00	25.00'	26.87'	24.99'	23.12'	2°23'14"	4°44'50"
3+50.00	25.00'	26.87'	24.99'	23.12'	2°23'14"	7°8'4"
3+63.92 P.T.	13.92'	14.96'	13.92'	12.88'	1°19'46"	8°27'50"
DEFLECTION/FOOT =0.095492966 DEGREES						5.729577951 MINUTES

NOTE:
All top of curb grades are to top of combined curb and gutter. 0.25' must be subtracted from top of curb elevations to top of roll curb.

No.	Date	By	Approved	Revision
1				
2				
3				
4				

EQUESTRIAN ESTATES ADDITION - PHASE 2
STREET IMPROVEMENTS
EQUESTRIAN CIRCLE
CITY OF WICHITA, KANSAS
JAMES L. ARMBRUSTER, P.E. CITY ENGINEER
C.O.W. Project # 472-83430 C.O.A. # 765869

POE & ASSOCIATES, INC.
CONSULTING ENGINEERS
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Phone 316/685-4114 ■ FAX 316/685-4444

FINAL

Designed By: JMJ/JPD
Drawn By: JPD
Poe Job No.: 1694J
Date: January 2006

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