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

BLOCK 2
53
54
BLOCK 6
28
29
30
45
16
17
18

5" R.C. Valley Gutter w/5" Crushed Rock Base on Fabric Reinforcement
4' Conc. Sidewalk
Prop. 6" WL
EQUESTRIAN CIR.
14.50' 29' B-B 58' R/W 14.50'
Street Name Sign Triple Crown Equestrian
TRIPLE CROWN
14.50' 35' B-B 64' R/W 14.50'
Prop. 8" WL
EQUESTRIAN ST.
Prop. 8" San. Sewer
Reserve E
Comb. Cb. & Gtr. (3 5/8" and 1 1/2")
5" A.C. Pavement w/5" Crushed Rock Base on Fabric Reinforcement
Reduce Cross Slope 0+20.08 to 0+80.08

Δ=89°29'57"
R=20.00' Fc.
L=31.24'
T=19.83

Δ=87°50'28"
R=20.00' Fc.
L=30.66'
T=19.26

Δ=13°29'11"
R=600.00'
L=141.23'
T=70.94'

R=614.00' Fc.
R=629.00'
R=571.00'
R=586.00' Fc.

0+00 0+25 0+35.81 0+37.66 0+50 0+75 1+00 1+25 P.T. 1+41.23 1+50 2+00 2+50 P.C. 2+59.06 2+70 2+75
+0.5% Wk. Grade
+1.00% CL Grade

Δ =13°29'11" L=141.23' R=600.00' T=70.94'

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'	25.94'	25.00'	24.06'	1°11'37"	1°11'37"
0+35.81	10.81'	11.22'	10.81'	10.40'	0°30'58"	1°42'35"
0+37.66	1.85'	1.92'	1.85'	1.78'	0°5'18"	1°47'53"
0+50.00	12.34'	12.80'	12.34'	11.88'	0°35'21"	2°23'14"
0+75.00	25.00'	25.94'	25.00'	24.06'	1°11'37"	3°34'52"
1+00.00	25.00'	25.94'	25.00'	24.06'	1°11'37"	4°46'29"
1+25.00	25.00'	25.94'	25.00'	24.06'	1°11'37"	5°58'6"
1+41.23 P.T.	16.23'	16.84'	16.23'	15.62'	0°46'29"	6°44'35"
DEFLECTION/FOOT =0.047746483 DEGREES						2.864788976 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

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

POE & ASSOCIATES, INC.
CONSULTING ENGINEERS
9940 E. Central, Suite 200 ■ Wichita, KS 67206-4242
Phone 316/685-4114 ■ FAX 316/685-4444

FINAL
Designed By: JMU/JPD
Drawn By: JPD
Poe Job No.: 16944
Date: January 2006