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

Δ =14°57'55" L=53.55' R=205.00' T=26.93'

CURVE TABLE BASED ON CL RADIUS

STATION	CL ARC	CHORD LENGTH 8" LT.	CHORD LENGTH CL	CHORD LENGTH 8" RT.	DEFLECTION	TOTAL DEFLECTION
0+46.22 P.C.						
0+50.00	3.78'	3.37'	3.78'	4.20'	0°31'43"	0°31'43"
0+75.00	25.00'	22.24'	24.98'	27.73'	3°29'37"	4°1'20"
0+99.76 P.T.	24.76'	22.03'	24.75'	27.46'	3°27'38"	7°28'58"
DEFLECTION/FOOT =0.139745804 DEGREES					8.384748221 MINUTES	

Reserve E
Exist. 8" San. Sewer
Prop. 8" San. Sewer
EQUESTRIAN CIR.
EQUESTRIAN CT.
EQUESTRIAN ST.
BLOCK 6
Prop. 6" WL
Prop. 8" WL
14.50' 29' B-B 58' R/W
Δ=83°7'27" R=20.00' Fc. L=29.02' T=17.73'
Δ=14°57'55" R=205.00' L=53.55' T=26.93'
Δ=17°21'22" R=205.00' L=62.10' T=31.29'
Δ=65°20'3" R=35.00' Fc. L=39.91' T=22.44'
Δ=198°34'25" R=35.00' Fc. L=121.30' T=214.04'
Δ=51°48'59" R=20.00' Fc. L=18.09' T=9.72'
R=219.00' Fc.
R=234.00'
R=176.00'
R=191.00' Fc.
+0.5% Wk. Grade
+0.55% CL Grade
-0.50% CL Grade
-1.23% CB Grade
-0.60% CB Grade
P.V.I. 50.00' V.C. Elev.= 1338.57
P.C. 0+46.22
0+50
0+75
P.T. 0+99.76
1+25
P.C. 1+57.49
1+75
2+00
P.T. 2+19.59
2+41.81
2+85.04
0+31.96
0+00
45°00'00"
51°48'59"
23°22'49"
21°37'11"
Constr. Single Inlet Hookup
Sta. 2+41.81, 14.50' Rt. Install Subdivision Benchmark (See Note 10 on Sheet 1)
Comb. Cb. & Gtr. (3 5/8" and 1 1/2")
5" A.C. Pavement w/5" Crushed Rock Base on Fabric Reinforcement
Street Name Sign Equestrian Cir.
5" R.C. Valley Gutter w/5" Crushed Rock Base on Fabric Reinforcement
Street Name Sign Equestrian Ct.
Reduce Cross Slo. 0-2% to 0-1%
22
23
24
26
27
28
29
21
20
19
18
17
Res. E

Δ =17°21'22" L=62.10' R=205.00' T=31.29'

CURVE TABLE BASED ON CL RADIUS

STATION	CL ARC	CHORD LENGTH 8" LT.	CHORD LENGTH CL	CHORD LENGTH 8" RT.	DEFLECTION	TOTAL DEFLECTION
1+57.49 P.C.						
1+75.00	17.51'	19.42'	17.50'	15.58'	2°26'47"	2°26'47"
2+00.00	25.00'	27.73'	24.98'	22.24'	3°29'37"	5°56'24"
2+19.59 P.T.	19.59'	21.74'	19.59'	17.44'	2°44'17"	8°40'41"
DEFLECTION/FOOT =0.139745804 DEGREES					8.384748221 MINUTES	

No.	Street and Station	From CL	Description	Elevation
9	Equestrian Ct., 2+41.81	14.50' (E)	Top of Curb (E), at End of Return	1337.99

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 COURT
CITY OF WICHITA, KANSAS
JAMES L. ARMOUR P.E. - CITY ENGINEER
C.O.W. Project # 472-83430 O.C.A. # 765969

POE & ASSOCIATES, INC.
CONSULTING ENGINEERS
3940 E. Central, Suite 200 ■ Wichita, KS 67208-4242
Phone 316/683-4114 ■ FAX 316/685-4444

FINAL

Designed By: JMU/JPD
Drawn By: JPD
Poe Job No.: 16943
Date: January 2006