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

Reserve C

BLOCK 2

MUSTANG CIR.

Prop. 8" San. Sewer

Prop. 6" WL

26 27 28 29 30 31 32 33 34 35 36 37

4+50 4+75 5+00 P.T. 5+11.72 5+37.34 5+50 P.C. 5+80.85 6+00 6+25 6+50 6+75 7+00 7+25 P.T. 7+45.80 7+50 7+87.42 8+30.65

+0.5% Wk. Grade
-0.50% CL Grade
-0.93% CB Grade
-0.70% CB Grade

Δ=111°38'21"
R=35.00' Fc.
L=68.20'
T=51.54'

Δ=51°48'59"
R=20.00' Fc.
L=18.09'
T=9.72'

Δ=152°16'7"
R=35.00' Fc.
L=93.02'
T=141.79'

Δ=52°30'24"
R=180.00'
L=164.95'
T=88.78'

R=166.00' Fc.
R=151.00'
R=209.00'
R=194.00' Fc.

Comb. Cb. & Gtr. (3 5/8" and 1 1/2")
Constr. Single Inlet Hookup
Constr. Double Inlet Hookup
Constr. Single Inlet Hookup
Fence Lines to be Removed & Stored on Site Prior to Construction (By Others)
5" A.C. Pavement w/6" Crushed Rock Base on Fabric Reinforcement
Sta. 7+87.42, 14.50' Rt.
Install Subdivision Benchmark
(See Note 10 on Sheet 1)

14.50' R/W
29' B-B
58' R/W

Δ =52°30'24" L=164.95' R=180.00' T=88.78'

CURVE TABLE BASED ON CL RADIUS

STATION	CL ARC	CHORD LENGTH 8" LT.	CHORD LENGTH CL	CHORD LENGTH 8" RT.	DEFLECTION	TOTAL DEFLECTION
5+80.85 P.C.						
6+00.00	19.15'	16.75'	19.14'	21.54'	3°2'53"	3°2'53"
6+25.00	25.00'	21.86'	24.98'	28.10'	3°58'44"	7°1'37"
6+50.00	25.00'	21.86'	24.98'	28.10'	3°58'44"	11°0'21"
6+75.00	25.00'	21.86'	24.98'	28.10'	3°58'44"	14°59'5"
7+00.00	25.00'	21.86'	24.98'	28.10'	3°58'44"	18°57'49"
7+25.00	25.00'	21.86'	24.98'	28.10'	3°58'44"	22°56'33"
7+45.80 P.T.	20.80'	18.19'	20.79'	23.39'	3°18'39"	26°15'12"
DEFLECTION/FOOT =0.159154943 DEGREES						9.549296586 MINUTES

No.	Street and Station	From CL	Description	Elevation
4	Mustang Cir., 4+87.42	14.50' (E)	Top of Curb (E), at Curb Return	1327.15

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
MUSTANG CIRCLE
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
5940 E. Central, Suite 200 ■ Wichita, KS 67208-4242
Phone 316/685-4114 ■ FAX 316/685-4444

FINAL

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