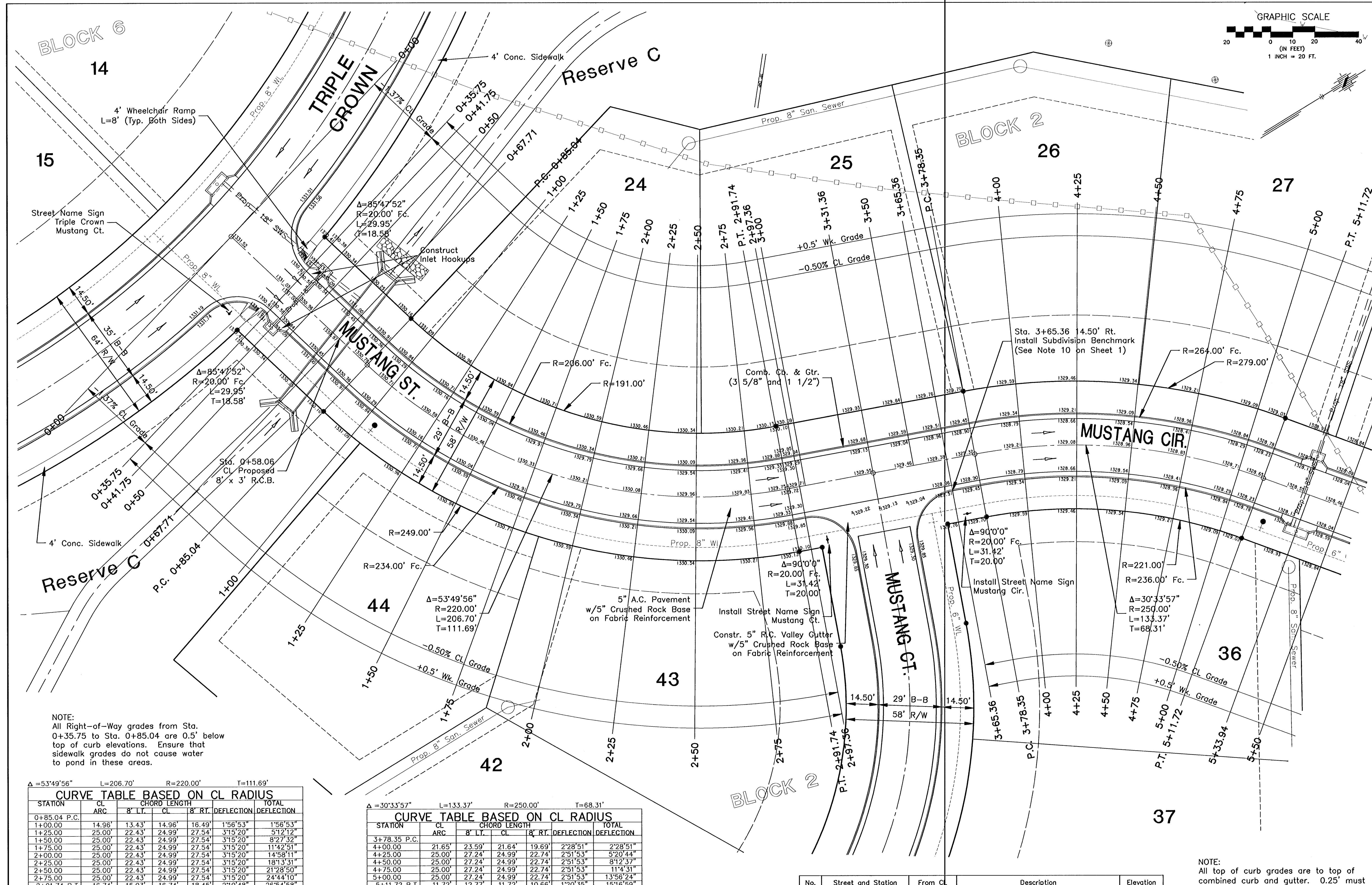


NOTE:
All Right-of-Way grades from Sta.
0+35.75 to Sta. 0+85.04 are 0.5' below
top of curb elevations. Ensure that
sidewalk grades do not cause water
to pond in these areas.

$\Delta = 53^\circ 49' 56''$ $L = 206.70'$ $R = 220.00'$ $T = 111.69'$						
CURVE TABLE BASED ON CL RADIUS						
STATION	CL	CHORD LENGTH		8' RT. DEFLECTION		TOTAL DEFLECTION
0+85.04 P.C.	14.96'	13.43'	14.96'	16.49'	1'56'53"	1'56'53"
1+00.00	25.00'	22.43'	24.99'	27.54'	3'15'20"	5'12'12"
1+25.00	25.00'	22.43'	24.99'	27.54'	3'15'20"	8'27'32"
1+50.00	25.00'	22.43'	24.99'	27.54'	3'15'20"	11'42'51"
1+75.00	25.00'	22.43'	24.99'	27.54'	3'15'20"	14'58'11"
2+00.00	25.00'	22.43'	24.99'	27.54'	3'15'20"	18'13'31"
2+25.00	25.00'	22.43'	24.99'	27.54'	3'15'20"	21'28'50"
2+50.00	25.00'	22.43'	24.99'	27.54'	3'15'20"	24'44'10"
2+75.00	25.00'	22.43'	24.99'	27.54'	3'15'20"	28'00'00"
2+91.74 P.T.	16.74'	15.03'	16.74'	18.45'	2'10'48"	26'54'58"
DEFLECTION/FOOT = 0.130217681 DEGREES					7.813060843 MINUTES	

$\Delta = 30^\circ 33' 57''$ $L = 133.37'$ $R = 250.00'$ $T = 68.31'$						
CURVE TABLE BASED ON CL RADIUS						
STATION	CL	CHORD LENGTH		8' RT. DEFLECTION		TOTAL DEFLECTION
3+78.35 P.C.	21.65'	23.59'	21.64'	19.69'	2'28'51"	2'28'51"
4+00.00	25.00'	27.24'	24.99'	22.74'	2'51'53"	5'20'44"
4+25.00	25.00'	27.24'	24.99'	22.74'	2'51'53"	8'12'37"
4+50.00	25.00'	27.24'	24.99'	22.74'	2'51'53"	11'04'31"
4+75.00	25.00'	27.24'	24.99'	22.74'	2'51'53"	13'56'24"
5+00.00	25.00'	27.24'	24.99'	22.74'	2'51'53"	16'48'18"
5+11.72 P.T.	11.72'	12.77'	11.72'	10.68'	1'20'35"	15'16'59"
DEFLECTION/FOOT = 0.114591559 DEGREES					6.875493542 MINUTES	

No.	Street and Station	From CL	Description	Elevation
3	Mustang Cir., 3+65.36	14.50' (E)	Top of Curb (E), at Curb Return	1329.26

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.

Revised

By

Date

Approved

No.

1

2

3

4

5

EQUESTRIAN ESTATES ADDITION - PHASE 2

STREET IMPROVEMENTS

MUSTANG STREET / CIRCLE

CITY OF WICHITA, KANSAS

JAMES L. ARMOUR, P.E. - CITY ENGINEER

C.O.W. Project # 472-83430 O.C.A. # 765869

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

Sheet
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