GRAPHIC SCALE

20 0 10 20 40

(IN FEET)

1 INCH = 20 FT.

Δ =17°4'5" L=204.65' R=687.00' T=103.09'

CURVE TABLE BASED ON CL RADIUS

STATION	CL ARC	CHORD LENGTH 8' LT.	CL	8' RT.	DEFLECTION	TOTAL DEFLECTION
2+90.19 P.C.						
3+00.00	9.81'	9.45'	9.81'	10.17'	0°24'33"	0°24'33"
3+25.00	25.00'	24.07'	25.00'	25.93'	1°2'33"	1°27'6"
3+50.00	25.00'	24.07'	25.00'	25.93'	1°2'33"	2°29'39"
3+75.00	25.00'	24.07'	25.00'	25.93'	1°2'33"	3°32'12"
4+00.00	25.00'	24.07'	25.00'	25.93'	1°2'33"	4°34'45"
4+25.00	25.00'	24.07'	25.00'	25.93'	1°2'33"	5°37'18"
4+50.00	25.00'	24.07'	25.00'	25.93'	1°2'33"	6°39'51"
4+75.00	25.00'	24.07'	25.00'	25.93'	1°2'33"	7°42'24"
4+94.85 P.T.	19.84'	19.11'	19.84'	20.58'	0°49'39"	8°32'2"

DEFLECTION/FOOT =.041699985 DEGREES 2.501999105 MINUTES

Δ =46°13'21" L=413.85' R=513.00' T=218.93'

CURVE TABLE BASED ON CL RADIUS

STATION	CL ARC	CHORD LENGTH 8' LT.	CL	8' RT.	DEFLECTION	TOTAL DEFLECTION
4+94.85 P.C.						
5+00.00	5.15'	5.39'	5.15'	4.91'	0°1'7'15"	0°1'7'15"
5+25.00	25.00'	26.14'	25.00'	23.85'	1°2'3'46"	1°4'11'1"
5+50.00	25.00'	26.14'	25.00'	23.85'	1°2'3'46"	3°4'47"
5+75.00	25.00'	26.14'	25.00'	23.85'	1°2'3'46"	4°28'33"
6+00.00	25.00'	26.14'	25.00'	23.85'	1°2'3'46"	5°52'19"
6+25.00	25.00'	26.14'	25.00'	23.85'	1°2'3'46"	7°16'5"
6+42.03	17.03'	17.81'	17.03'	16.25'	0°5'7'4"	8°13'9"
6+50.00	7.97'	8.34'	7.97'	7.60'	0°2'6'42"	8°39'51"
6+75.00	25.00'	26.14'	25.00'	23.85'	1°2'3'46"	10°3'37"
7+00.00	25.00'	26.14'	25.00'	23.85'	1°2'3'46"	11°27'23"
7+25.00	25.00'	26.14'	25.00'	23.85'	1°2'3'46"	12°51'9"
7+50.00	25.00'	26.14'	25.00'	23.85'	1°2'3'46"	14°14'55"
7+75.00	25.00'	26.14'	25.00'	23.85'	1°2'3'46"	15°38'41"
8+00.00	25.00'	26.14'	25.00'	23.85'	1°2'3'46"	17°2'27"
8+25.00	25.00'	26.14'	25.00'	23.85'	1°2'3'46"	18°26'13"
8+50.00	25.00'	26.14'	25.00'	23.85'	1°2'3'46"	19°49'59"
8+75.00	25.00'	26.14'	25.00'	23.85'	1°2'3'46"	21°13'45"
9+00.00	25.00'	26.14'	25.00'	23.85'	1°2'3'46"	22°37'30"
9+08.70 P.T.	8.70'	9.10'	8.70'	8.31'	0°2'9'10"	2°3'6'40"

DEFLECTION/FOOT =.055843840 DEGREES 3.350630381 MINUTES

21ST STREET

COVINGTON

Saw cut & Match Exist. pavmt. (100LF)

Install Stop Sign

Install R4-7 & OM-1 Signs

Construct Inlet Hookup

Median Curb (6 5/8") Slope Gutter Section Away 1/4"/ft to 3/8"/ft (varies)

5" A.C. Pavement w/5" Crushed Rock Base on Fabric Reinforcement

Comb. Cb. & Gtr. (6 5/8" and 1 1/2")

Install Street Name Sign (2200 N, 11300 W)

Install R4-7 & OM-1 Sign

Constr. 4' Conc. Sidewalk

Sta. 2+94.40 17.50 Rt. Install Subdivision Benchmark (See Note 10 on Sheet 1)

Crown Line

Existing Pavement

Future Pavement

Private 24" SWS

+1.00% CL Grade

+0.60% CL Grade

+0.5' Wk. Grade

-0.50% CL Grade

Δ =17°04'05" R =687.00' T =103.09' L =204.65'

Δ =18°41'30" R =135.00' Fc. T =22.22' L =44.04'

Δ =18°41'30" R =165.00' Fc. T =27.16' L =53.83'

Δ =46°13'21" R =513.00' T =218.93' L =413.85'

R=150.00'

R=655.00'

R=670.00' Fc.

R=530.00' Fc.

R=545.00'

R=496.00' Fc.

R=481.00'

R=704.00' Fc.

R=719.00'

No.	Street and Station	From CL	Description	Elevation
1	Covington, 2+44.21	17.50' E.	Top of Curb (E) in front of FH	166.16

No.	Date	By	Approved	Revision
3	8/6/01	JMU		Revised Inlet Locations
2	10/1/01	JMU		Revised Curve Tables
1				

THE LOCHS AT ABERDEEN
STREET IMPROVEMENTS
COVINGTON

CITY OF WICHITA, KANSAS
MICHAEL E. LINDEBAK, P.E. - CITY ENGINEER
Proj.# 472-83369 O.C.# 785681

POE & ASSOCIATES OF KANSAS, INC.
CONSULTING ENGINEERS
5940 E. Central, Suite 200 ■ Wichita, KS 67208-4242
Phone 316/685-4114 ■ FAX 316/685-4444

FINAL

Engineer: J. Ubert
Drawn By: B. Kulla
Poe Job No.: 1656B
Date: May 2001

Sheet 4 of 58