CLI-73-12.03

VIRGINIA MILITARY DISTRICT
UNION TOWNSHIP
M.S. No. 1170
CLINTON COUNTY, OHIO

CURVE C1
P.I. STA. 604+32.56
Δ = 83° 53' 00" (RT)
Dc = 2° 30' 00"
R = 2,291.83'
Ls = 390.00'
θs = 4° 52' 30"
LT = 260.10'
ST = 130.09'
x = 389.72'
y = 11.06'
k = 194.95'
p = 2.76'
Δc = 74° 08' 00" (RT)
Lc = 2,965.33'
Ts = 2,256.79'
Es = 793.02'

CURVE C2
P.I. STA. 19+26.99
Δ = 30° 17' 24" (LT)
Dc = 6° 00' 00"
R = 954.93'
Ls = 260.00'
θs = 7° 48' 00"
LT = 173.50'
ST = 86.82'
x = 259.52'
y = 11.78'
k = 129.92'
p = 2.95'
Δc = 14° 41' 24" (LT)
Lc = 244.83'
Ts = 389.18'
Es = 37.41'

CURVE C3
P.I. STA. 15+50.67
Δ = 32° 06' 48" (RT)
Dc = 3° 45' 00"
R = 1,527.89'
T = 439.75'
L = 856.36'
E = 62.02'

CURVE C4 NOT USED

CURVE C5
P.I. STA. 26+07.25
Δ = 35° 41' 03" (RT)
Dc = 10° 00' 00"
R = 572.96'
T = 184.42'
L = 356.84'
E = 28.95'

CURVE C6
P.I. STA. 37+29.79
Δ = 14° 03' 20" (LT)
Dc = 6° 00' 00"
R = 954.93'
T = 117.72'
L = 234.26'
E = 7.23'

CURVE C7
P.I. STA. 41+24.03
Δ = 8° 18' 59" (LT)
Dc = 1° 30' 00"
R = 3,819.72'
T = 277.70'
L = 554.43'
E = 10.08'

CURVE C8
P.I. STA. 29+67.48
Δ = 19° 49' 37" (LT)
Dc = 8° 00' 00"
R = 716.20'
T = 125.17'
L = 247.84'
E = 10.86'

CURVE C9
P.I. STA. 36+47.21
Δ = 23° 00' 25" (RT)
Dc = 4° 00' 00"
R = 1,432.39'
Ls = 200.00'
θs = 4° 00' 00"
LT = 133.37'
ST = 66.70'
x = 199.90'
y = 4.65'
k = 99.98'
p = 1.16'
Δc = 15° 00' 25" (RT)
Lc = 375.17'
Ts = 391.73'
Es = 30.55'

CURVE C10
P.I. STA. 673+94.96
Δ = 17° 01' 38" (RT)
Dc = 1° 30' 00"
R = 3,819.72'
Ls = 260.00'
θs = 1° 57' 00"
LT = 173.34'
ST = 86.68'
x = 259.97'
y = 2.95'
k = 129.99'
p = 0.74'
Δc = 13° 07' 38" (RT)
Lc = 875.15'
Ts = 701.89'
Es = 43.31'

CURVE C11
P.I. STA. 46+93.81
Δ = 18° 42' 12" (RT)
Dc = 5° 30' 00"
R = 1,041.74'
T = 171.56'
L = 340.06'
E = 14.03'

CURVE C12
P.I. STA. 696+10.30 WB
Δ = 6° 00' 47" (RT)
Dc = 1° 00' 08"
R = 5,717.58'
T = 300.30'
L = 600.05'
E = 7.88'

CURVE C13
P.I. STA. 704+11.61 WB
Δ = 6° 00' 47" (LT)
Dc = 0° 59' 52"
R = 5,741.58'
T = 301.56'
L = 602.57'
E = 7.91'

SPIRAL S1
P.I. STA. 17+11.31
Ls = 260.00'
θs = 7° 48' 00"
LT = 173.50'
ST = 86.82'
x = 259.52'
y = 11.78'
k = 129.92'
p = 2.95'

SPIRAL S2
P.I. STA. 21+29.46
Ls = 260.00'
θs = 7° 48' 00"
LT = 173.50'
ST = 86.82'
x = 259.52'
y = 11.78'
k = 129.92'
p = 2.95'

SPIRAL S3
P.I. STA. 616+61.19
Ls = 390.00'
θs = 4° 52' 30"
LT = 260.10'
ST = 130.09'
x = 389.72'
y = 11.06'
k = 194.95'
p = 2.76'

SPIRAL S4
P.I. STA. 33+88.85
Ls = 200.00'
θs = 4° 00' 00"
LT = 133.37'
ST = 66.70'
x = 199.90'
y = 4.65'
k = 99.98'
p = 1.16'

SPIRAL S5
P.I. STA. 38+97.35
Ls = 200.00'
θs = 4° 00' 00"
LT = 133.37'
ST = 66.70'
x = 199.90'
y = 4.65'
k = 99.98'
p = 1.16'

SPIRAL S6
P.I. STA. 668+66.41
Ls = 260.00'
θs = 1° 57' 00"
LT = 173.34'
ST = 86.68'
x = 259.97'
y = 2.95'
k = 129.99'
p = 0.74'

SPIRAL S7
P.I. STA. 679+14.89
Ls = 260.00'
θs = 1° 57' 00"
LT = 173.34'
ST = 86.68'
x = 259.97'
y = 2.95'
k = 129.99'
p = 0.74'

REV. BY	DATE	DESCRIPTION

DATE COMPLETED July 6, 2005

PID NO. 78569

R/W DESIGNER JDH
R/W REVIEWER KLS

RIGHT OF WAY PLAN
CURVE DATA

CLI-73-12.03

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