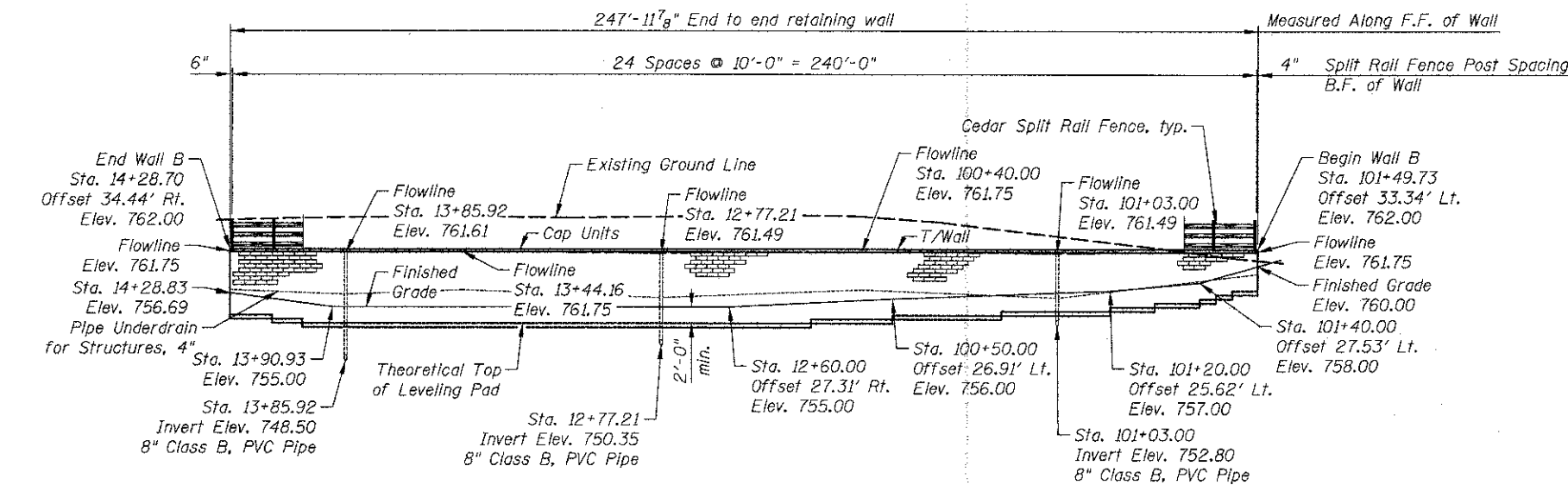
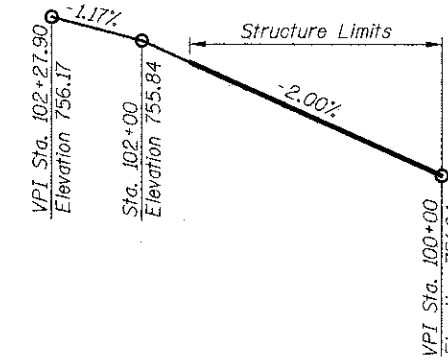


Benchmark: Mag nail, WP #21, Bike Path, Sta. 13+35.06,
Offset 10.08' Lt., Elevation 766.91.

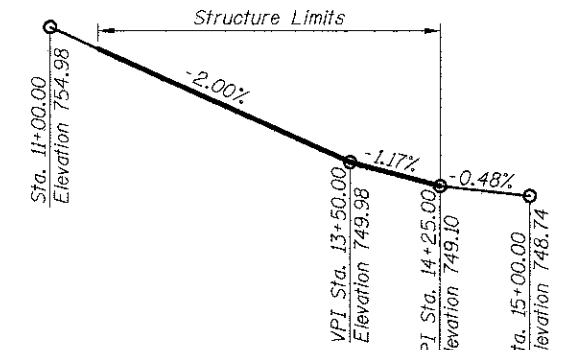
Existing Structure: None.



ELEVATION
(Looking at front face of wall)
(Unfolded Elevation)



**PROFILE GRADE
BIKE PATH 2**



**PROFILE GRADE
BIKE PATH 1**

CURVE NO. 2

(along @ Bike Path 1)
 $\Delta = 42^\circ 10' 22"$ (Lt.)
 $D = 28^\circ 53' 00"$
 $T = 76.49'$
 $L = 146.01'$
 $E = 14.24'$
 $R = 198.37'$
P.C. = Sta. 11+10.87
P.T. = Sta. 12+56.88
P.I. = Sta. 11+87.36

CURVE NO. 3

(along @ Bike Path 1)
 $\Delta = 20^\circ 04' 03"$ (Rt.)
 $D = 54^\circ 34' 03"$
 $T = 25.52'$
 $L = 36.77'$
 $E = 3.06'$
 $R = 105.00'$
P.C. = Sta. 12+56.88
P.T. = Sta. 12+93.65
P.I. = Sta. 12+82.40

CURVE NO. 4

(along @ Bike Path 1)
 $\Delta = 70^\circ 15' 13"$ (Rt.)
 $D = 57^\circ 17' 45"$
 $T = 70.35'$
 $L = 122.61'$
 $E = 22.27'$
 $R = 100.00'$
P.C. = Sta. 13+07.10
P.T. = Sta. 14+29.72
P.I. = Sta. 13+77.45

DESIGN SPECIFICATIONS

2012 AASHTO LRFD Bridge
Design Specifications, 6th edition

CURVE NO. 7

(along @ Bike Path 2)
 $\Delta = 69^\circ 35' 07"$ (Lt.)
 $D = 54^\circ 34' 03"$
 $T = 72.95'$
 $L = 127.52'$
 $E = 22.89'$
 $R = 105.00'$
P.C. = Sta. 100+00.00
P.T. = Sta. 101+27.52
P.I. = Sta. 100+72.95

CURVE NO. 10

(along @ Bike Path 2)
 $\Delta = 33^\circ 02' 45"$ (Rt.)
 $D = 57^\circ 17' 45"$
 $T = 29.66'$
 $L = 57.68'$
 $E = 4.31'$
 $R = 100.00'$
P.C. = Sta. 101+27.52
P.T. = Sta. 101+85.20
P.I. = Sta. 101+57.18

CIVILTECH ENGINEERING, INC.
GREGORY J. HATLESTAD, S.E.



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081-005562

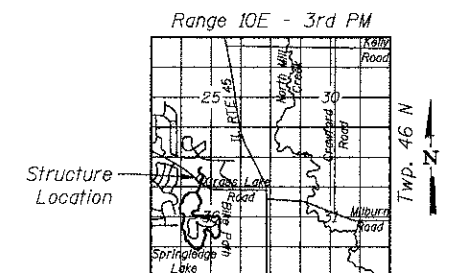
EXP _____

DATE _____

I certify that to the best of knowledge, information and belief, this design is structurally adequate for the design loading shown on the plans. The design is an economical one for the style of structure and complies with requirements of the current AASHTO LRFD Bridge Design Specifications for Highway Bridges.

Notes:

- Segmental Concrete Block Wall shall be designed for ralling loads.
- Wall offsets are measured from @ Bike Path 1 or @ Bike Path 2 to front face of wall.
- Radii measured at front face of wall.
- UON - Unless otherwise noted
- F.F. - Front Face
- B.F. - Back Face



LOCATION SKETCH

GENERAL PLAN AND ELEVATION

WALL B; BIKE PATH

SEC. 09-P0075-15-BT

LAKE COUNTY

STA. 101+49.73 TO STA. 14+28.70

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DRAWN - K. BOCHNOWSKI
DESIGNED - M. LANGE
CHECKED - G. HATLESTAD
DATE - DECEMBER 17, 2012

REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GENERAL PLAN & ELEVATION
WALL B; BIKE PATH**

SHEET NO. WBI OF WB3 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0174	09-P0075-15-BT	LAKE	74	36
CONTRACT NO. 63778				
ILLINOIS FED. AID PROJECT				