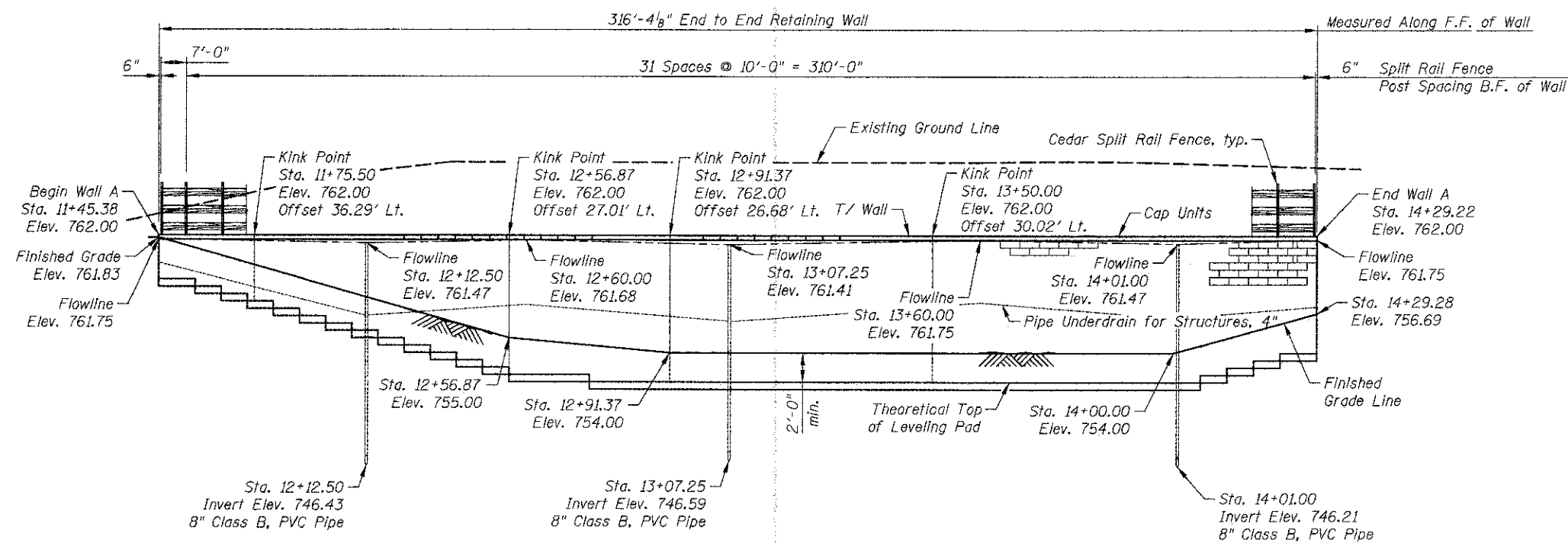
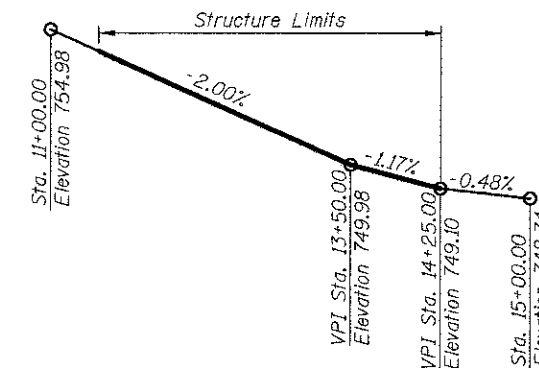


Benchmark: Mag nail, WP #21, Bike Path, Sta. 13+35.06, Offset 10.08' Lt., Elevation 766.91.

Existing Structure: None.



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



PROFILE GRADE BIKE PATH

CURVE NO. 2

(Along Bike Path 1)

$\Delta = 42^\circ 10' 22''$
 $D = 28^\circ 53' 00''$
 $T = 76.49'$
 $L = 146.01'$
 $E = 14.24'$
 $R = 198.37'$
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)

$\Delta = 20^\circ 04' 03''$
 $D = 54^\circ 34' 03''$
 $T = 25.52'$
 $L = 36.77'$
 $E = 3.06'$
 $R = 105.00'$
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)

$\Delta = 70^\circ 15' 13''$
 $D = 57^\circ 17' 45''$
 $T = 70.35'$
 $L = 122.61'$
 $E = 22.27'$
 $R = 100.00'$
P.C. = Sta. 13+07.10
P.T. = Sta. 14+29.72
P.I. = Sta. 13+77.45

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



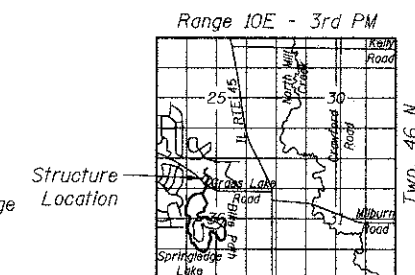
DESIGN SPECIFICATIONS

2012 AASHTO LRFD Bridge
Design Specifications, 6th edition

GREGORY J. HATLESTAD, S.E.
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.



LOCATION SKETCH

Notes:
Segmental Concrete Block Wall shall be designed for railing loads.
Wall offsets are measured from ϕ Bike Path 1 to the front face of wall.
Radii measured at front face of wall
UON - Unless Otherwise Noted
F.F. - Front Face
B.F. - Back Face

GENERAL PLAN AND ELEVATION

WALL A; BIKE PATH

SEC. 09-P0075-15-BT

LAKE COUNTY

STA. 11+45.38 TO STA. 14+29.22

PLAN



450 E Devon Ave, Suite 300
Itasca, Illinois 60143
Tel: 630.773.3900 Fax: 630.773.3975
www.civiltechinc.com

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 AND ELEVATION
WALL A; BIKE PATH

SHEET NO. WA1 OF WA3 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0174	09-P0075-15-BT	LAKE	74	33
CONTRACT NO. 63778				
ILLINOIS FED. AID PROJECT				