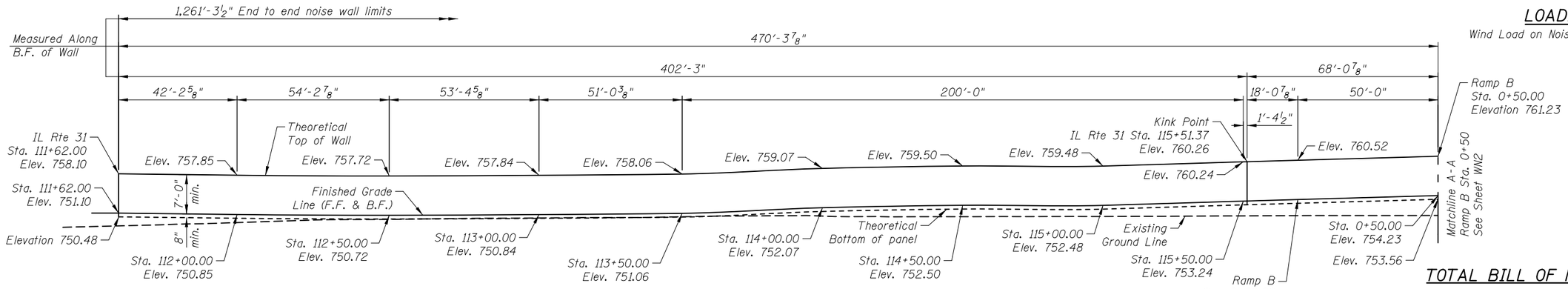
Bench Mark: Control Point CP6, $\frac{5}{8}$" Iron Rod with cap set, IL Rte 31 Station 111+35.89, Offset 58.04 feet Right; Elev. 749.30
Existing Structure: None

DESIGN STRESSES
FIELD UNITS

f'c = 3,500 psi
fy = 60,000 psi (Reinforcement)

LOADING
Wind Load on Noise Wall = 25psf

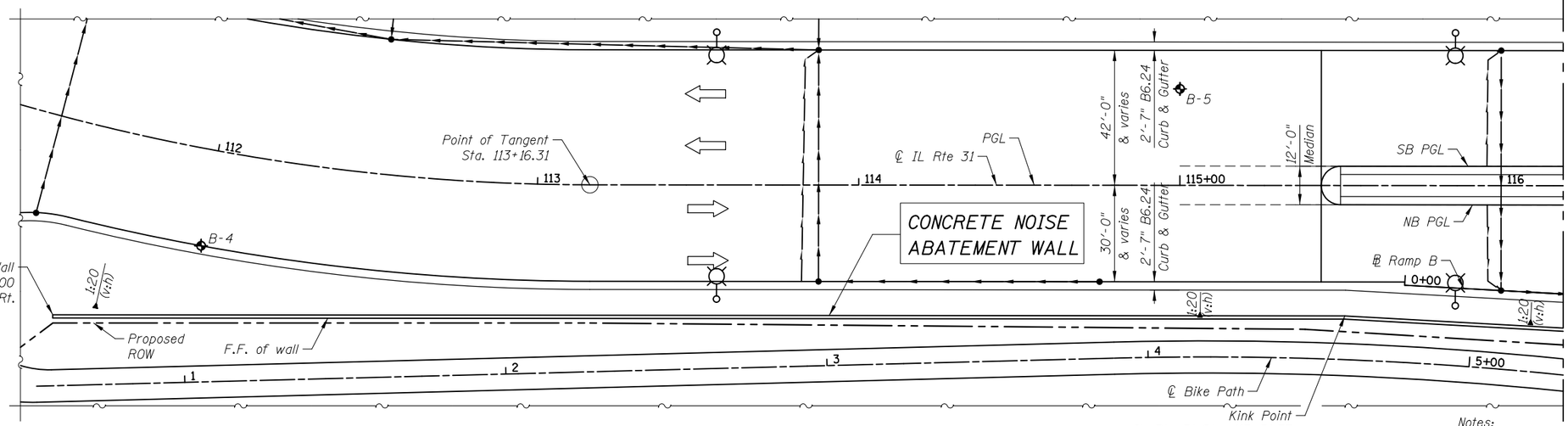


ELEVATION
(Looking at F.F. of Wall)
(Unfolded Elevation)

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Noise Abatement Wall, Ground Mounted	Sq. Ft.	9,670

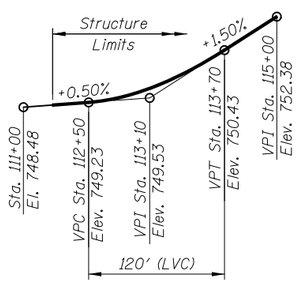
INDEX OF SHEETS



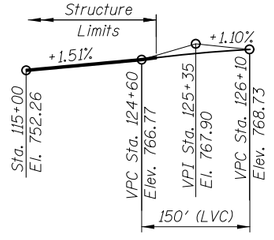
PLAN

LEGEND
- Soil Borings
- Proposed Storm Sewer
- Proposed Pipe Underdrain

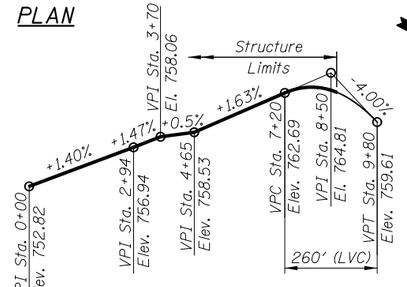
CURVE DATA
℄ IL Rte 31
Δ = 45° 11' 23" (LT)
D = 8° 51' 43"
T = 269.06'
L = 509.93'
E = 53.75'
R = 646.54'
P.C. = Sta. 108+06.38
P.T. = Sta. 113+16.31
P.I. = Sta. 110+75.44
S.E. = 2.00%
S.E. Runoff = 92.5' (NB)
S.E. Runoff Sta. 112+90 to 113+82.5 (NB)



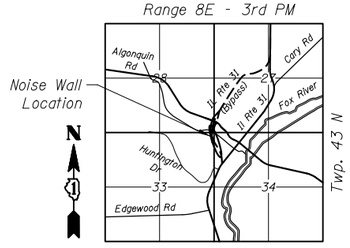
PROPOSED PROFILE
IL ROUTE 31
(Along ℄ IL Rte 31)



PROPOSED PROFILE
IL ROUTE 31
(Along NB PGL)



PROPOSED PROFILE
NB EXIT RAMP B
(Along ℄ Ramp B)



LOCATION SKETCH

Notes:
The foundation, posts & noise wall panels shall be designed to accommodate the ultimate or maximum Noise Wall height and earth retainment conditions.
The foundation is to be designed by the Contractor. The foundation is not to be placed within 1'-0" of any pipes or utilities.
The Contractor shall verify any obstruction to pipes and utilities prior to construction of foundation.
Offsets are measured to the back face of wall.
F.F. = Front Face
B.F. = Back Face

GENERAL PLAN & ELEVATION I
CONCRETE NOISE ABATEMENT WALL
IL RTE. 31 & NB EXIT RAMP (RAMP B); O.R. 0003
SECTION 18A-2, McHENRY COUNTY
IL RTE. 31 STA. 111+62 TO STA. 124+58.29

CIVILTECH
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DRAWN	-	D. ATKINS
DESIGNED	-	M. LANGE
CHECKED	-	G. HATLESTAD
DATE	-	5/3/2012

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN & ELEVATION I
CONCRETE NOISE ABATEMENT WALL
IL RTE 31 & NB EXIT RAMP (RAMP B)
SHEET NO. WN1 OF WN5 SHEETS

O.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0003	18A-2	MCHENRY	825	665
		CONTRACT NO. 60F72		
	ILLINOIS FED. AID PROJECT			

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