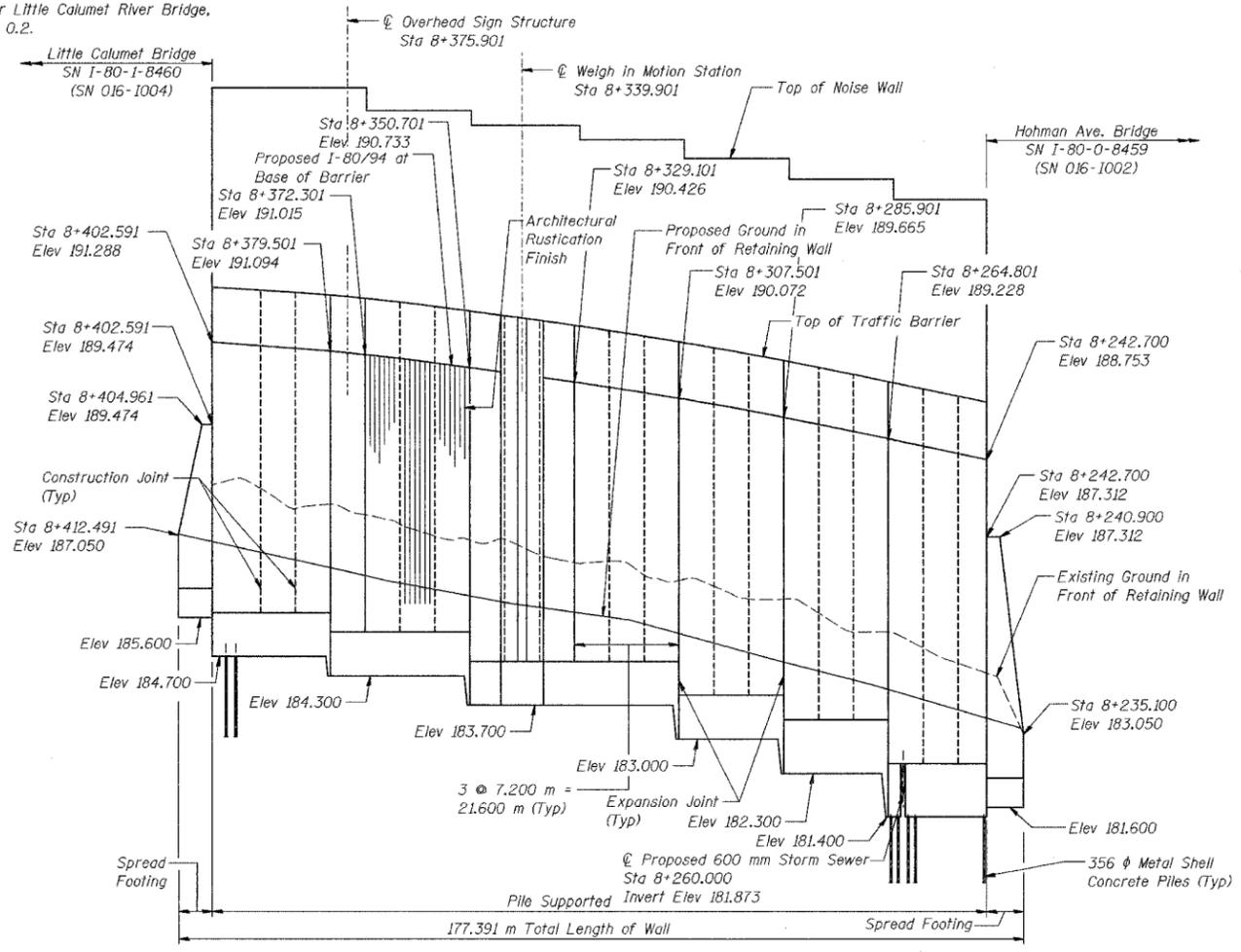


Benchmark: Chiseled box at SW corner of NW wingwall over Little Calumet River Bridge,
Westbound I-80 +/- 70m east of mile marker 0.2.
Elevation = 191.662
Existing Structure: None
All dimensions in millimeters (mm) except as noted.

ROUTE NO.	SECTION	COUNTY	SHEET NO.	SHEET NO. S-1
I-80	266.2-R-2	LAKE COUNTY, INDIANA	1207	861
CONTRACT NO. 62114				INDOT DES. NO. 0100987



LOADING
Wind Load on Noise Wall = 1.7 kPa

DESIGN STRESSES
FIELD UNITS
f'c = 24 MPa
fy = 400 MPa (Reinf.)
Maximum Applied Soil Bearing Pressure = 70 kPa from Sta 8+402.5 to Sta 8+412.5
110 kPa from Sta 8+235.1 to Sta 8+242.7

DESIGN SPECIFICATIONS
AASHTO 2002 Standard Specifications for Highway Bridges
AASHTO 1989 Guide Specifications for Structural Design of Sound Barriers and 1992 Interims

APPROVED
FOR STRUCTURAL ADEQUACY ONLY



Gary S. Powell
GARY S. POWELL, S.E.
IL. LIC. NO. 081-004771
EXP 11-30-2006
DATE 09-12-2005

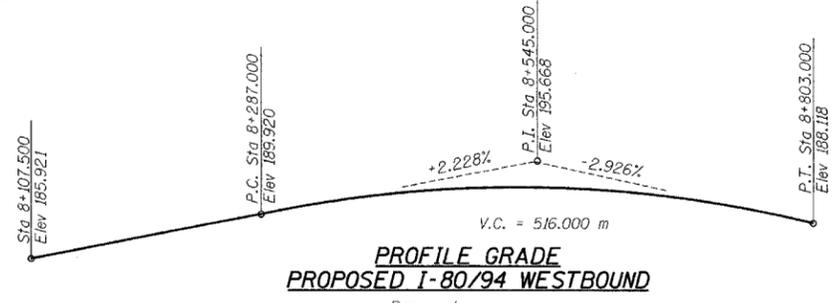
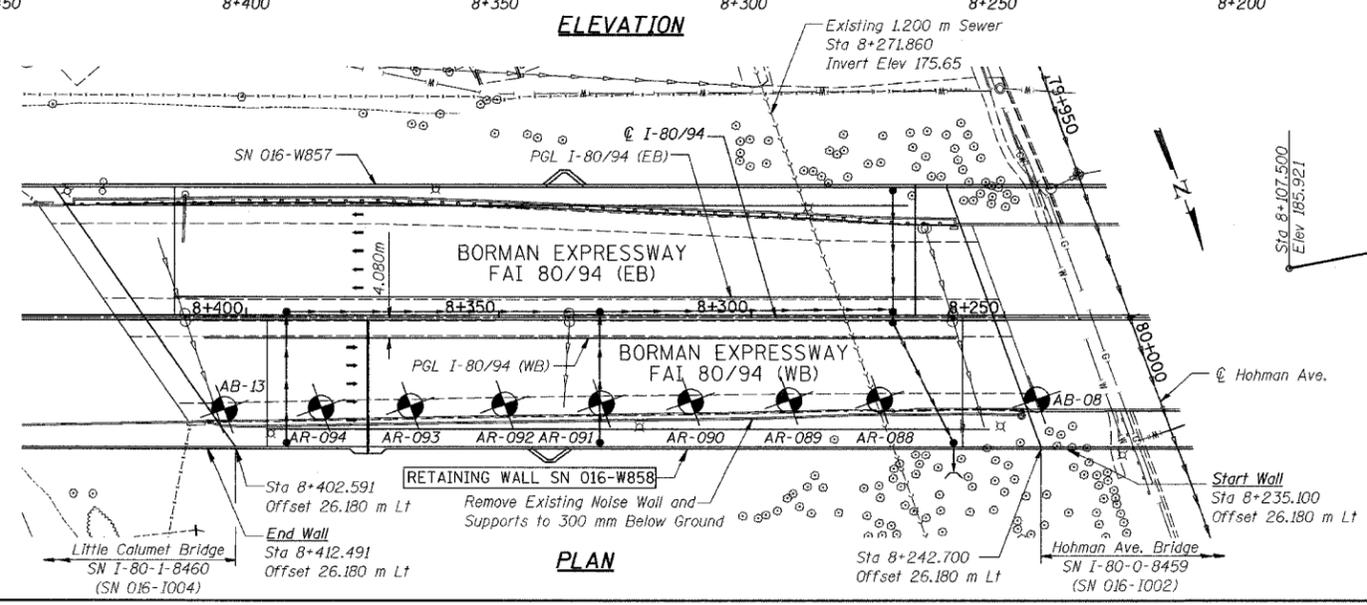


Gary S. Powell
GARY S. POWELL, P. E.
IN. LIC. NO. 10403944
EXP 07-31-2006
DATE 09-12-2005

LEGEND

- ⊙ - Soil Boring Location
- - - Existing Roadway/Structure
- Proposed Roadway/Structure
- ⊙ - Tree
- ~ Shrubs/Brush
- Proposed Storm Sewer
- - - Existing Sanitary Sewer
- Existing Storm Sewer
- Existing Gas Line
- Existing Water Main
- Electrical Aerial Cable

DESIGNED	KFA
CHECKED	BPS
DRAWN	MJB
CHECKED	GSP



ILLINOIS DEPARTMENT OF TRANSPORTATION
I-80/94/US 6
KINGERY-BORMAN EXPRESSWAY
BURNHAM ROAD TO US 41

GENERAL PLAN SECTION 266.2-R-2 LAKE COUNTY, INDIANA
STATION 8+235.100 TO STATION 8+412.491
STRUCTURE NO. 016-W858
DATE 09/05

AMERICAN CONSULTING ENGINEERS