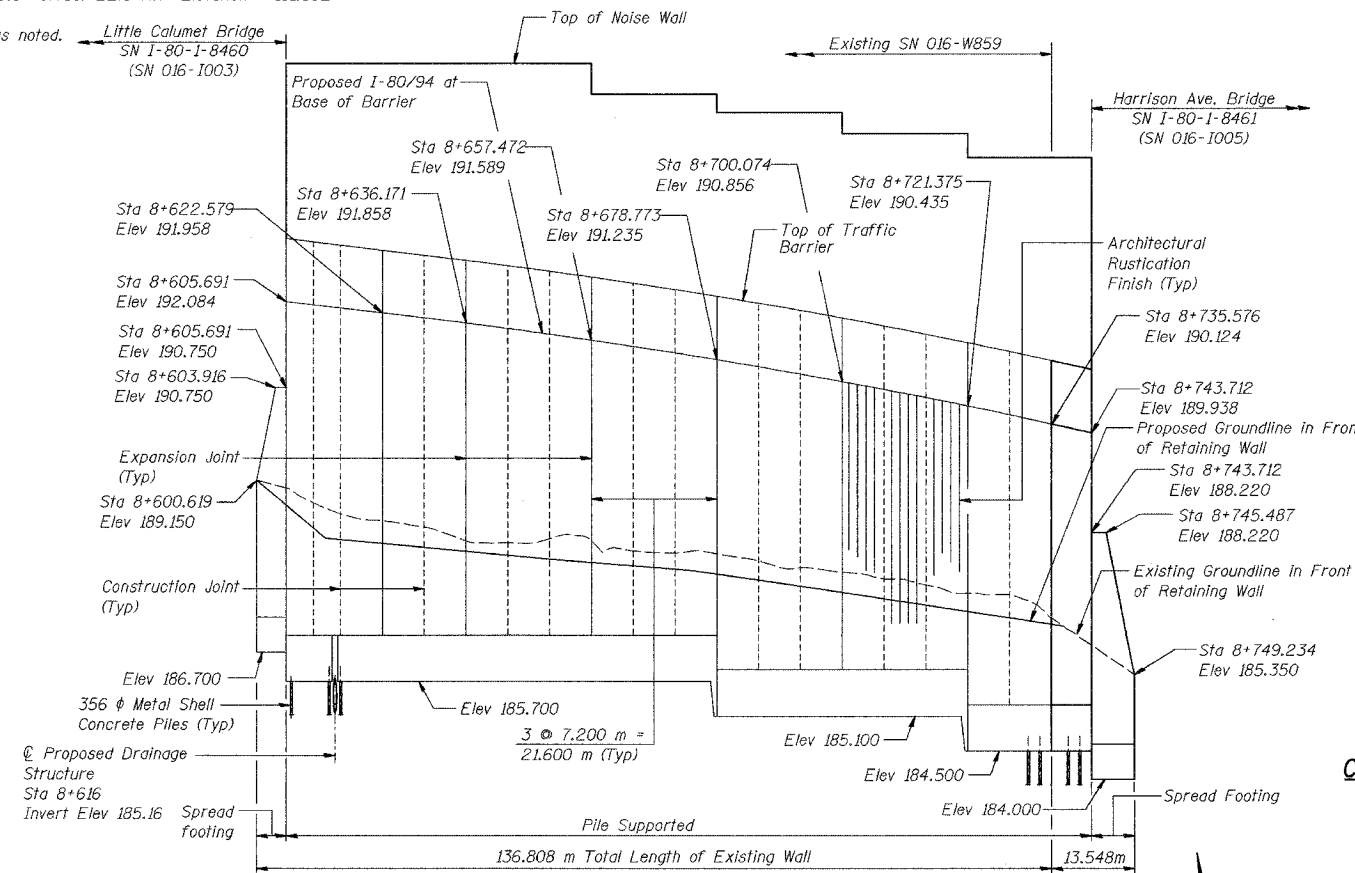


Benchmark: Chiseled box on Northeast corner of Crashwall on I-80 over Little Calumet River Bridge on Eastbound I-80. Station 8+603.3 Offset 22.3 Rt. Elevation = 191.392  
 Existing Structure: None  
 All dimensions in millimeters (mm) except as noted.

ROUTE NO.	SECTION	COUNTY	SHEET NO.	SHEET	SHEET NO. S-1 17 SHEETS
I-80/94	2626.2-R-1	LAKE COUNTY, INDIANA	1207	881	
CONTRACT NO. 62114 INDOT DES. NO. 0100987					



- LEGEND**
- ⊙ - Soil Boring Location
  - - - Existing Roadway/Structure
  - Proposed Roadway/Structure
  - ⊙ - Tree
  - Shrubs/Brush
  - Proposed Storm Sewer
  - Existing Sanitary Sewer
  - Existing Storm Sewer
  - CTV - Existing Cable TV
  - G - Existing Gas Line
  - W - Existing Water Main
  - A - Electrical Aerial Cable
  - Temporary Sheet Piling

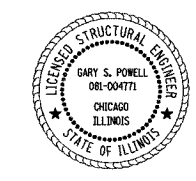
**LOADING**  
 Wind Load on Future Noise Wall = 1.7 kPa

**DESIGN STRESSES**  
**FIELD UNITS**  
 $f'_c = 24 \text{ MPa}$   
 $f_y = 400 \text{ MPa (Reinf.)}$   
 Maximum Applied Soil Bearing Pressure = 59 kPa (Phase 2)  
 75 kPa (Phase 3)

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

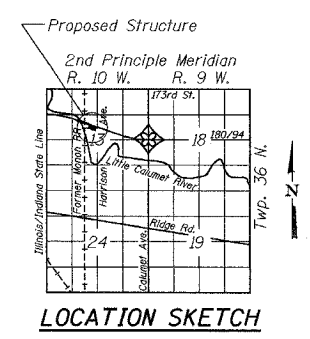
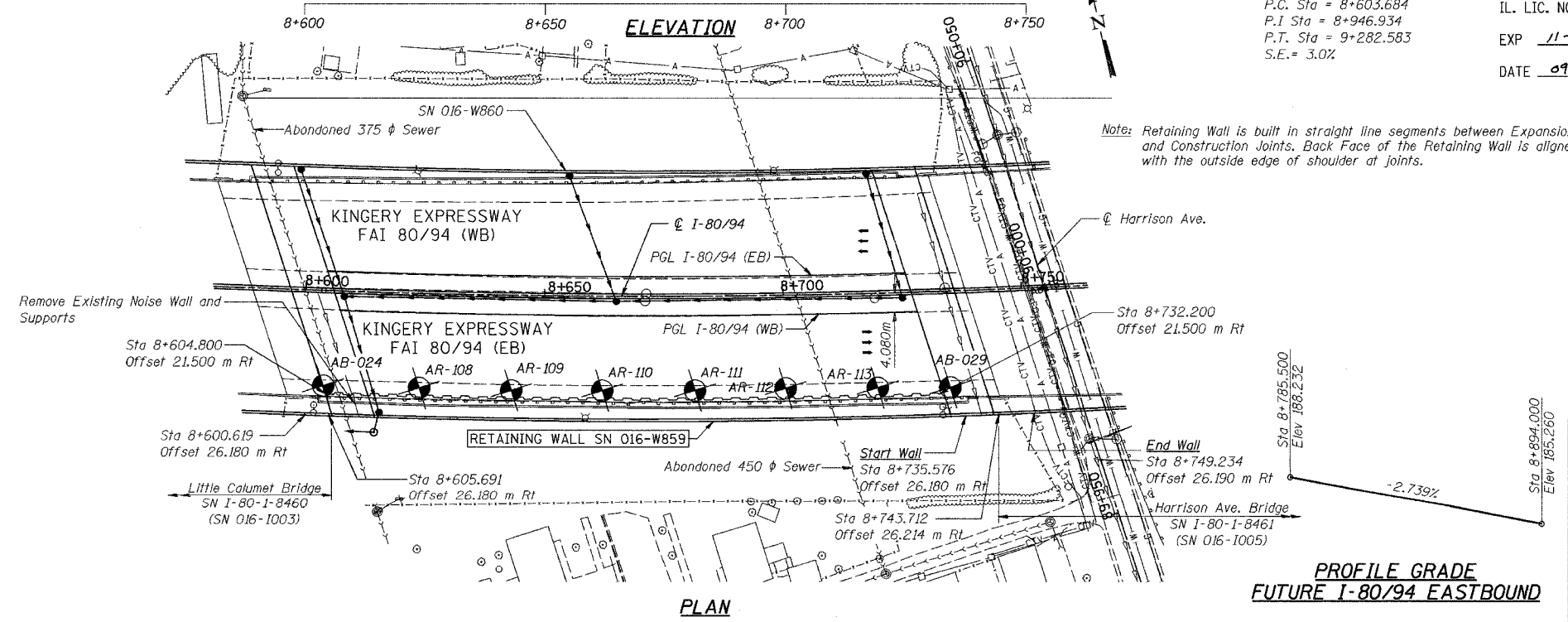
**APPROVED**  
 FOR STRUCTURAL ADEQUACY ONLY  
*Ralph E. Anderson*  
 ENGINEER OF BRIDGES AND STRUCTURES

**CURVE DATA I-80/94**  
 $\Delta = 20^\circ 51' 41''$   
 $R = 1,864.600 \text{ m}$   
 $T = 343.250 \text{ m}$   
 $L = 678.899 \text{ m}$   
 $E = 33.331 \text{ m}$   
 $P.C. \text{ Sta} = 8+603.684$   
 $P.I. \text{ Sta} = 8+946.934$   
 $P.T. \text{ Sta} = 9+282.583$   
 $S.E. = 3.0\%$



*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



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 2626.2-R-1  
 LAKE COUNTY, INDIANA  
 STATION 8+735.576 TO STATION 8+748.936  
 STRUCTURE NO. 016-W859  
 DATE 09/05

**AMERICAN**  
 CONSULTING ENGINEERS

**PROFILE GRADE**  
**FUTURE I-80/94 EASTBOUND**