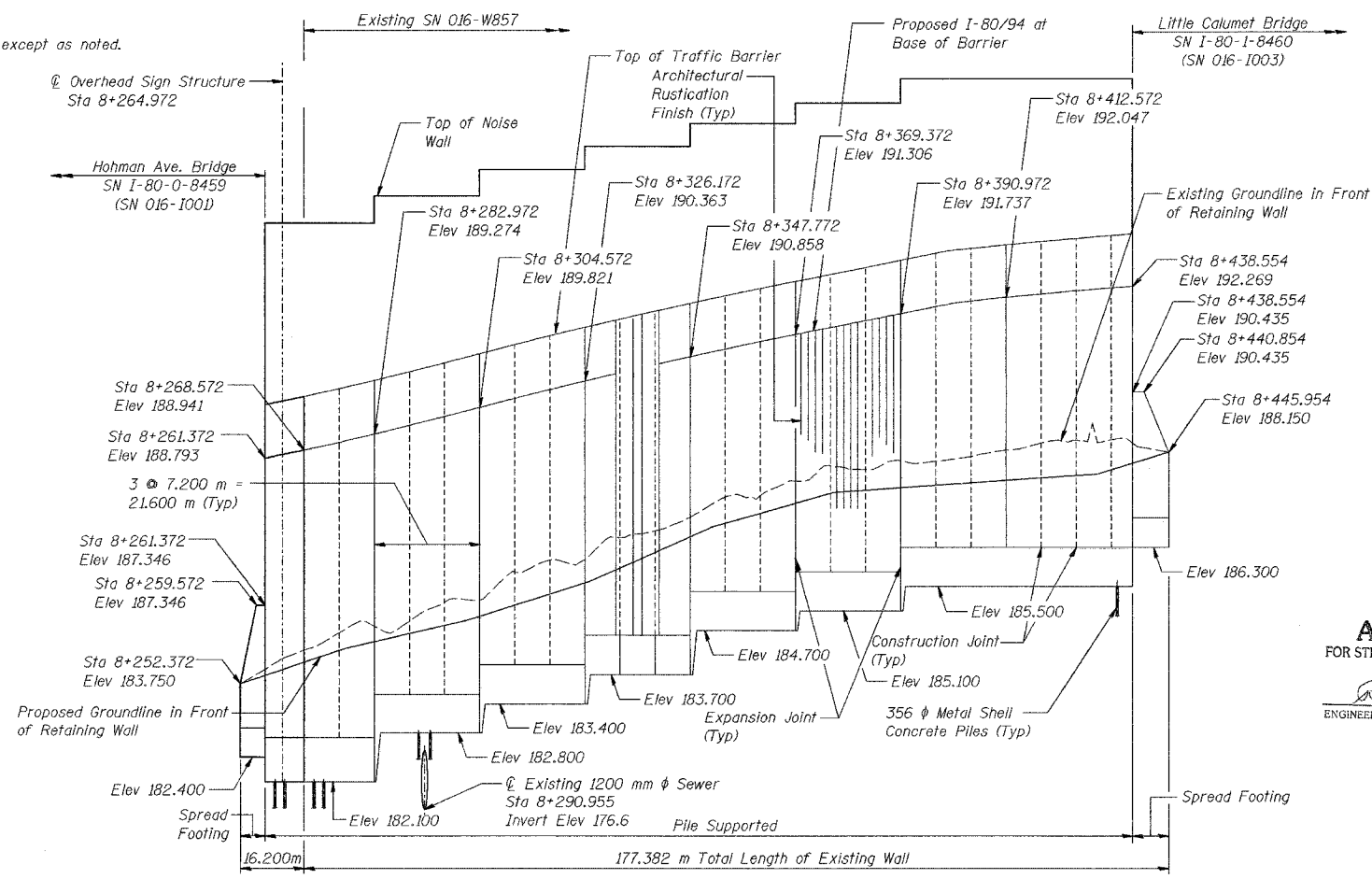


Benchmark: Chiseled box on Northeast corner of Crashwall on I-80 Hohman Avenue on Eastbound side of Expressway. Station 8+259.5 Offset 18.1 Rt. Elevation = 189.171  
Existing Structure: None  
All dimensions in millimeters (mm) except as noted.

ROUTE NO.	SECTION	COUNTY	SHEET	SHEET NO. S-1
I-80/94	2626.2-R-1	LAKE COUNTY, INDIANA	1207	841
ILLINOIS ROAD PROJECT				20 SHEETS
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
- Existing Gas Line
- Existing Water Main
- Electrical Aerial Cable
- Temporary Sheet Piling

**LOADING**

Wind Load on Future Noise Wall = 1.7 kPa

**DESIGN STRESSES**

**FIELD UNITS**

$f'_c = 24$  MPa  
 $f_y = 400$  MPa (Reinf.)

Maximum Applied Soil Bearing Pressure = 55 kPa (Phase 2)  
70 kPa (Phase 3)

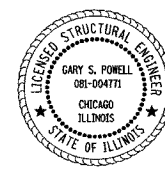
**DESIGN SPECIFICATIONS**

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

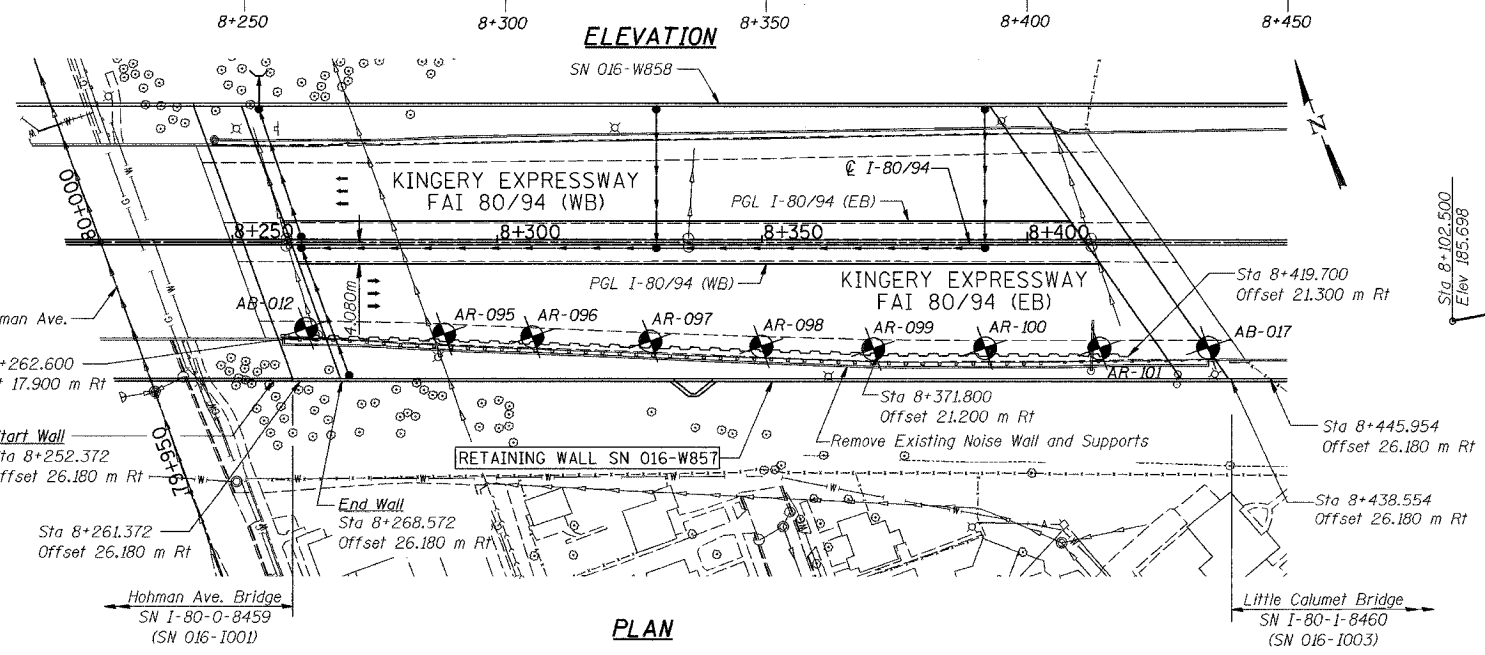


*Gary S. Powell*  
GARY S. POWELL, S.E.  
IL. LIC. NO. 081-004771

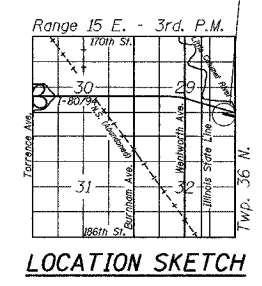
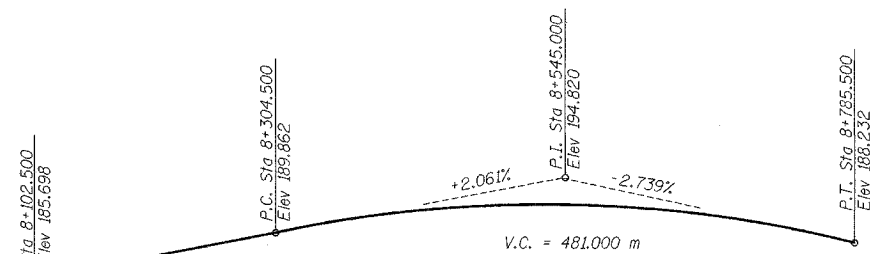
EXP 11-30-2006  
DATE 09-12-2005

*Gary S. Powell*  
GARY S. POWELL, P. E.  
IN. LIC. NO. 10403944

EXP 07-31-2006  
DATE 09-12-2005



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



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+253.769 TO STATION 8+268.572  
STRUCTURE NO. 016-W857

DATE 09/05

**AMERICAN**  
CONSULTING ENGINEERS