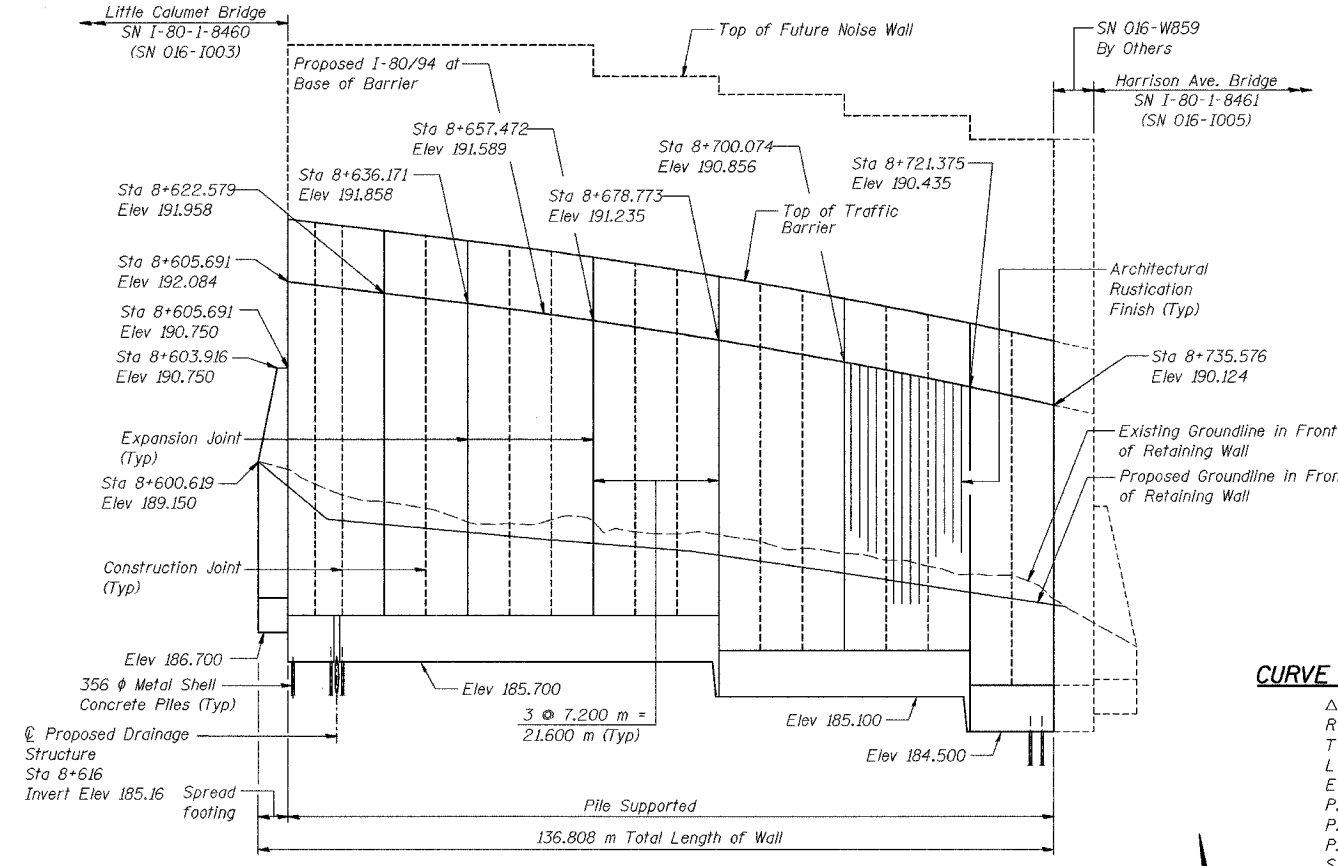


Benchmark: Chiseled box on Northeast corner of Crashwall on I-80 over Little Calumet River Bridge on Eastbound I-80. Station 8+603.3 Offset 22.3 Rt. Elevation = 191.392
 Existing Structure: None
 All dimensions in millimeters (mm) except as noted.

ROUTE NO.	SECTION	COUNTY	SHEET NO.	SHEET TOTAL	SHEET NO. S-1
I-80/94	2626.2-R-1	LAKE COUNTY, INDIANA	452	216	17 SHEETS
CONTRACT NO. 62113		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

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

Ralph E. Anderson
 ENGINEER OF BRIDGES AND STRUCTURES

CURVE DATA I-80/94

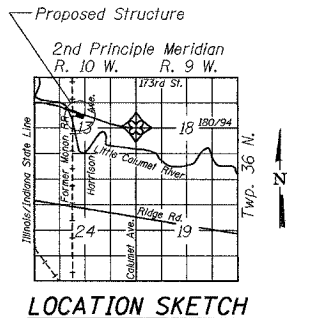
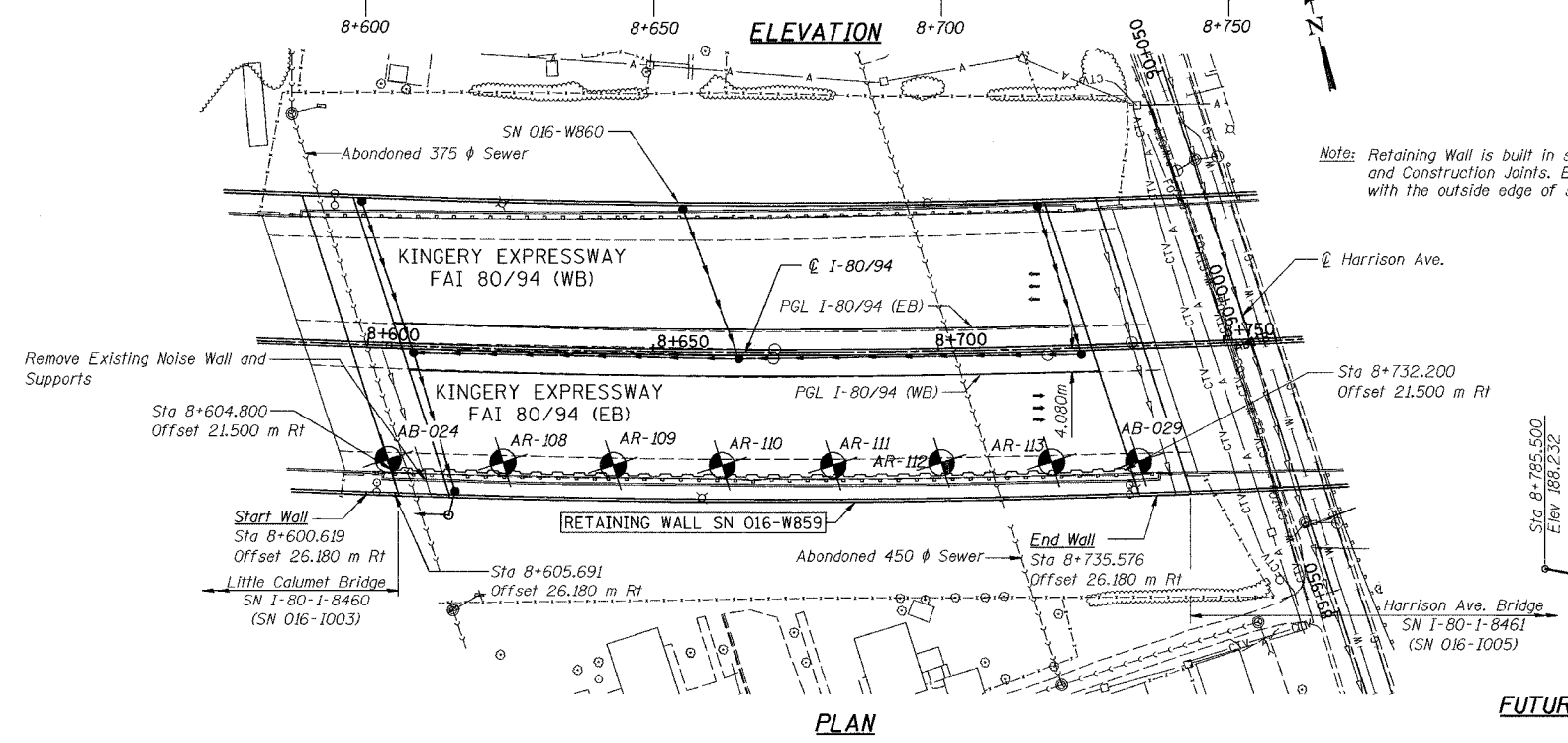
$\Delta = 20^\circ 51' 41''$
 $R = 1,864.600 \text{ m}$
 $T = 343.250 \text{ m}$
 $L = 678.899 \text{ m}$
 $E = 33.331 \text{ m}$
 $P.C. \text{ Sta} = 8+603.684$
 $P.I. \text{ Sta} = 8+946.934$
 $P.T. \text{ Sta} = 9+282.583$
 $S.E. = 3.0\%$



Gary S. Powell
 GARY S. POWELL, S.E.
 IL. LIC. NO. 081-004771
 EXP 11-30-2004
 DATE 9-16-2004

Gary S. Powell
 GARY S. POWELL, P. E.
 IN. LIC. NO. 10403944
 EXP 7-31-2006
 DATE 9-16-2004

Note: Retaining Wall is built in straight line segments between Expansion and Construction Joints. Back Face of the Retaining Wall is aligned with the outside edge of shoulder at joints.



DESIGNED	MJW
CHECKED	KFA
DRAWN	MJB
CHECKED	GSP

PROFILE GRADE
FUTURE I-80/94 EASTBOUND

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

GENERAL PLAN
 SECTION 2626.2-R-1
 LAKE COUNTY, INDIANA
 STATION 8+600.619 TO STATION 8+735.576
 STRUCTURE NO. 016-W859
 DATE 07/04

AMERICAN
 CONSULTING ENGINEERS