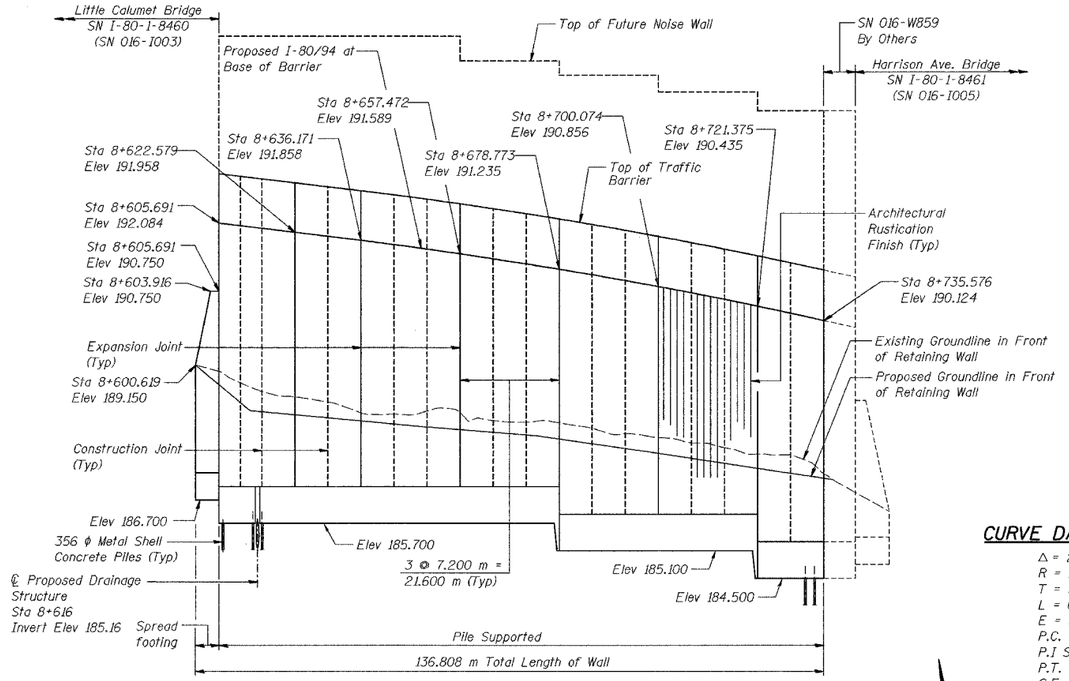
Benchmark: Chiseled box on Northeast corner of Crashwall on I-80 over Little Calumet River Bridge on Eastbound I-80. Station 8+603.3 Offset 22.3 Rt. Elevation = 191.392
Existing Structure: None
All dimensions in millimeters (mm) except as noted.

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 80/94	2626.2-R-1	LAKE COUNTY, INDIANA	452	216
		IN.DIVISION FED. AID PROJECT-		

SHEET NO. S-1
17 SHEETS

CONTRACT NO. 62113 INDOT DES. NO. 0100987



ELEVATION

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 MPa
fy = 400 MPa (Reinf.)
Maximum Applied Soil Bearing Pressure = 59 MPa

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

Δ = 20°-51'-41"
R = 1,864.600 m
T = 343.250 m
L = 678.899 m
E = 33.331 m
P.C. Sta = 8+603.684
P.I Sta = 8+946.934
P.T. Sta = 9+282.583
S.E.= 3.0%

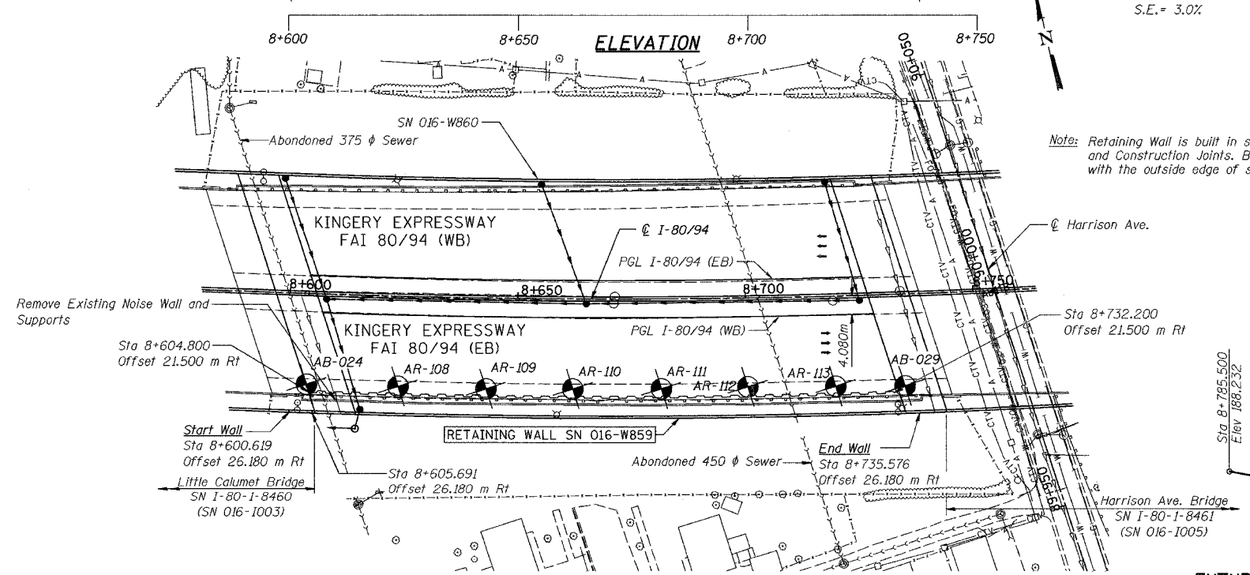
LICENSED STRUCTURAL ENGINEER GARY S. POWELL 081-004771 CHICAGO ILLINOIS STATE OF ILLINOIS

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

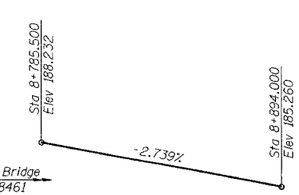
GARY S. POWELL REGISTERED No. 10403944 STATE OF INDIANA PROFESSIONAL ENGINEER

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

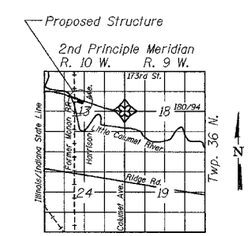
Note: Retaining Wall is built in straight line segments between Expansion and Construction Joints. Back Face of the Retaining Wall is aligned with the outside edge of shoulder at joints.



PLAN



PROFILE GRADE
FUTURE I-80/94 EASTBOUND



LOCATION SKETCH

DESIGNED	MJW
CHECKED	KFA
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+600.619 TO STATION 8+735.576
STRUCTURE NO. 016-W859

DATE 07/04

AMERICAN CONSULTING ENGINEERS