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

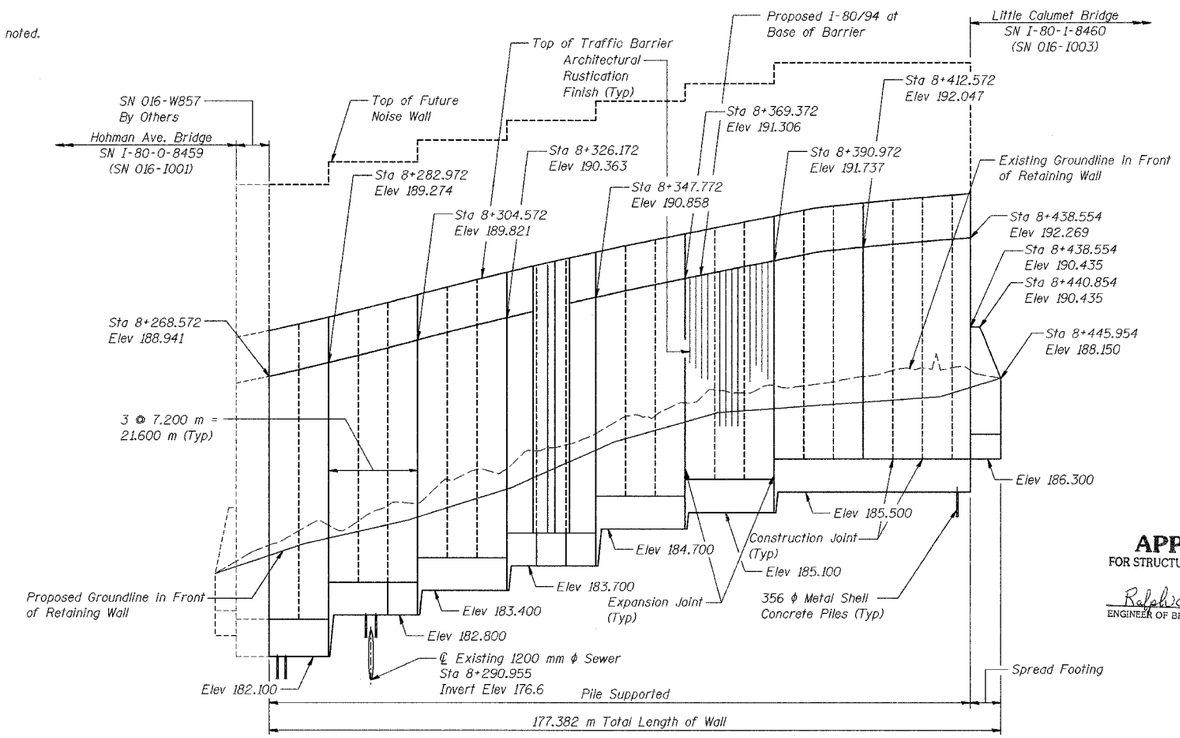
All dimensions in millimeters (mm) except as noted.

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 80/94	2626.2-R-1	LAKE COUNTY, INDIANA	452	196
		ILLINOIS	FED. AID PROJECT-	

SHEET NO. S-1

20 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
- 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

fy = 400 MPa (Reinf.)

Maximum Applied Soil Bearing Pressure = 55 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

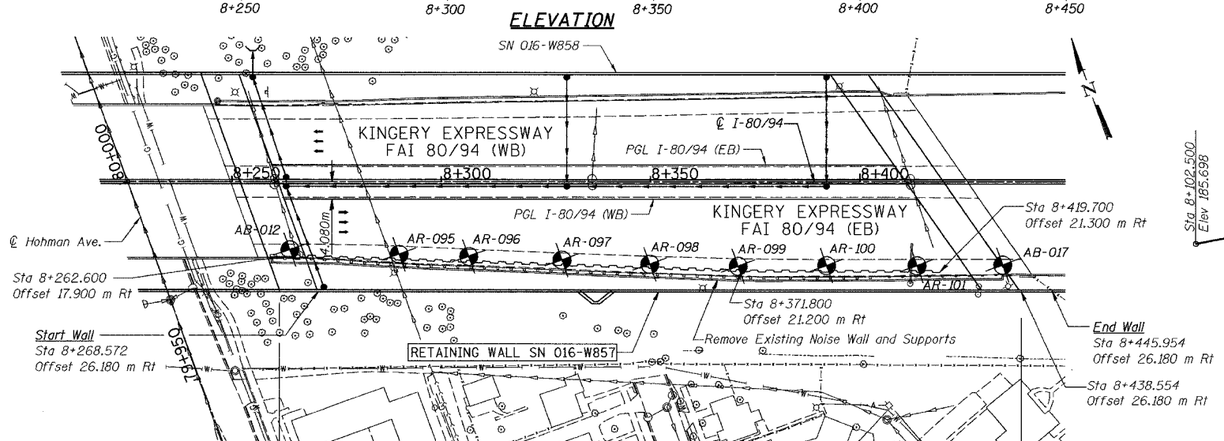
Ralph E. Anderson
ENGINEER OF BRIDGES AND STRUCTURES

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

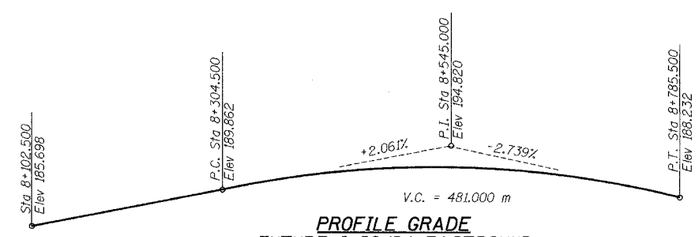
GARY S. POWELL — REGISTERED No. 10403944 — STATE OF INDIANA — PROFESSIONAL ENGINEER

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

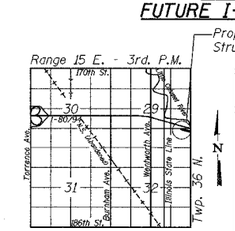
Gary S. Powell
GARY S. POWELL, P. E.
IN. LIC. NO. 10403944
EXP 7-31-2006
DATE 9-16-2004



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+268.572 TO STATION 8+445.954
STRUCTURE NO. 016-W857

DATE 07/04

AMERICAN CONSULTING ENGINEERS