Benchmark: Chiseled box on South face of metal base of Light Pole #AC12 on center of Jersey Wall +/- 200 m East of Wentworth Avenue. Station 7+809.5
Offset 0.0 Elevation = 183.748

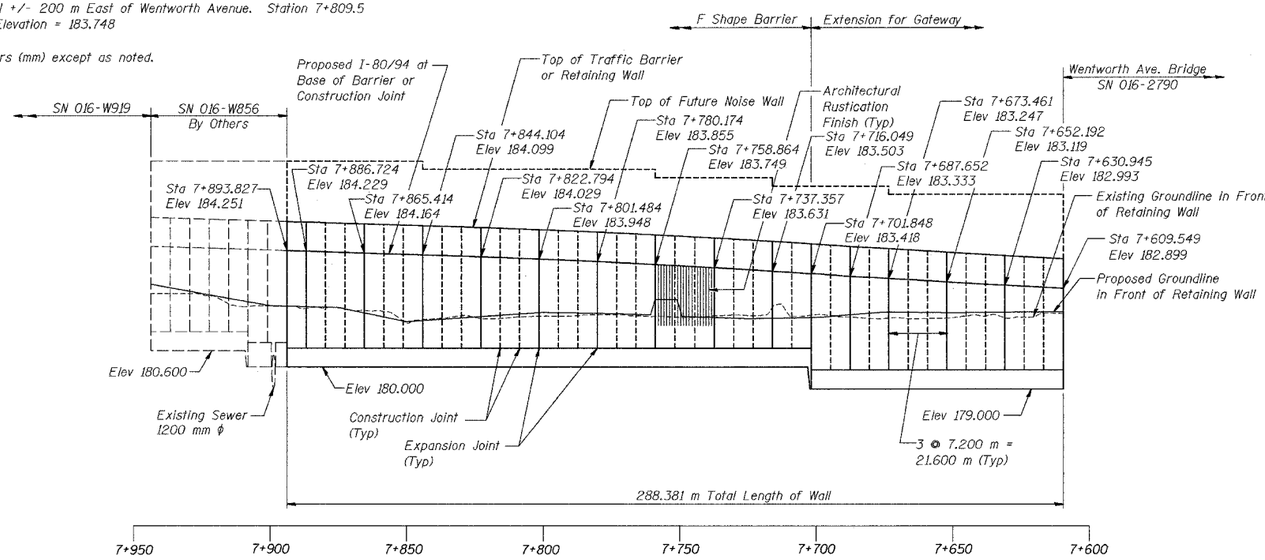
Existing Structure: None

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	COOK	452	146
		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
- CTV — Existing Cable TV
- E — Existing Electricity Line
- T — Existing Telephone Line
- 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 = 135 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

LICENSED STRUCTURAL ENGINEER
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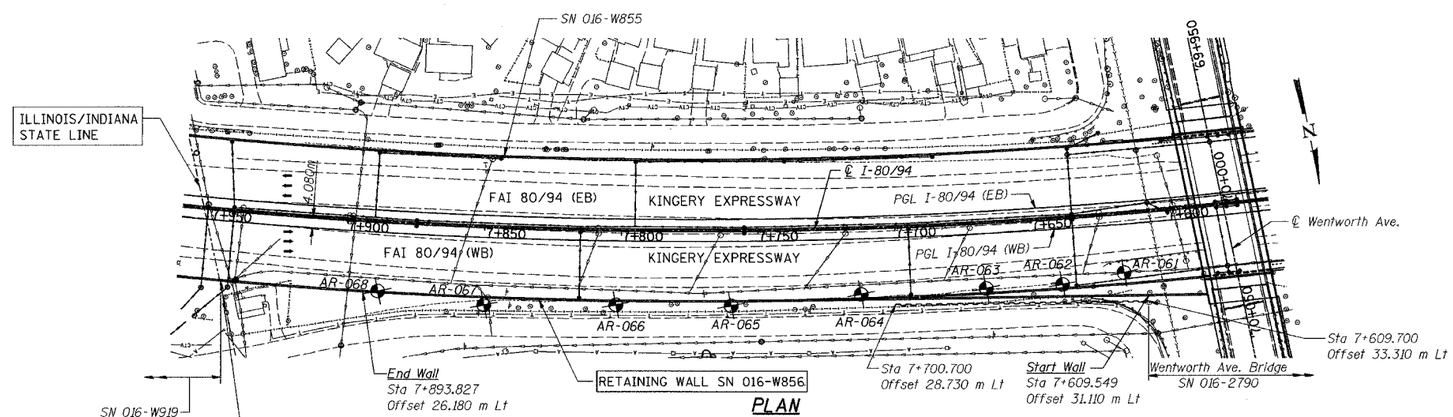
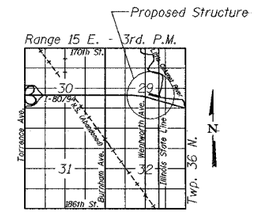
081-004771
CHICAGO
ILLINOIS
STATE OF ILLINOIS

Gary S. Powell
GARY S. POWELL, S.E.
IL. LIC. NO. 081-004771
EXP 11-30-2004
DATE 9-14-2004

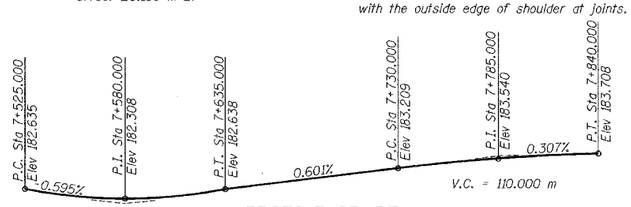


PLAN

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.



LOCATION SKETCH



PROFILE GRADE
FUTURE I-80/94 WESTBOUND

CURVE DATA I-80/94

Δ= 20°-11'-25"
R= 1,923.600 m
T= 342.476 m
L= 677.849 m
E= 30.249 m
P.C. Sta = 7+380.276
P.I. Sta = 7+722.751
P.T. Sta = 8+058.125
S.E.= 2.9%

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
COOK COUNTY
STATION 7+609.549 TO STATION 7+893.827
STRUCTURE NO. 016-W856

DATE 07/04

AMERICAN CONSULTING ENGINEERS