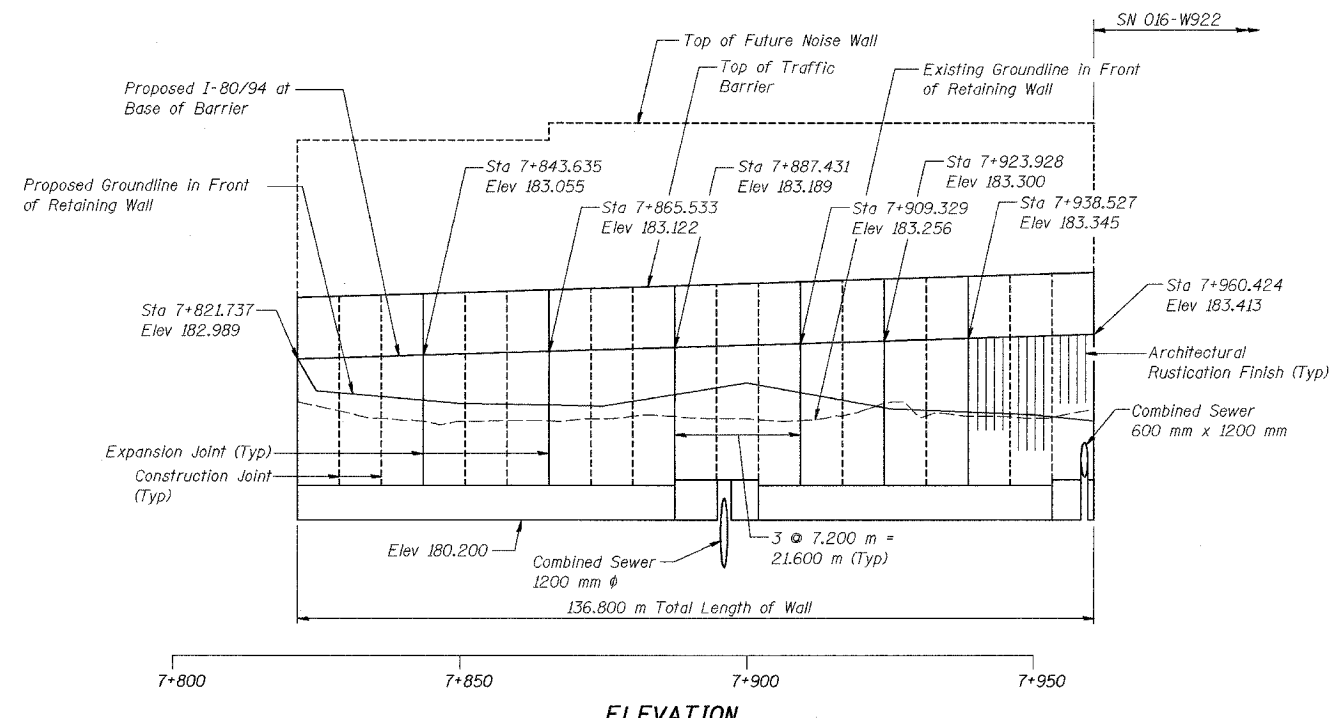


Benchmark: Chiseled box on South face of metal base of Light Pole #AC12 on center of Jersey Wall +/- 200 m East of Wentworth Avenue. Station 7+809.5
 Offset 0.0 Elevation = 183.748
 Existing Structure: None
 All dimensions in millimeters (mm) except as noted.

ROUTE NO.	SECTION	COUNTY	SHEET	SHEET NO. S-1
1207	809	COOK	1207 809	12 SHEETS
ILLINOIS PROJECT				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
 - CTV --- - Existing Cable TV
 - E — - Existing Electricity Line
 - T — - Existing Telephone Line
 - - Temporary Soil Retention System

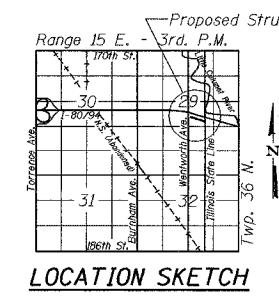
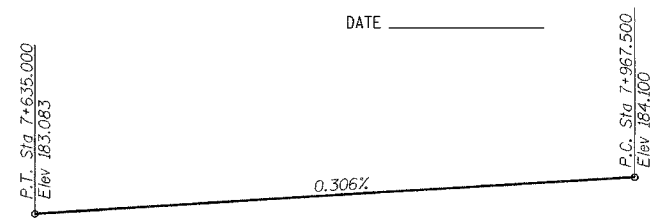
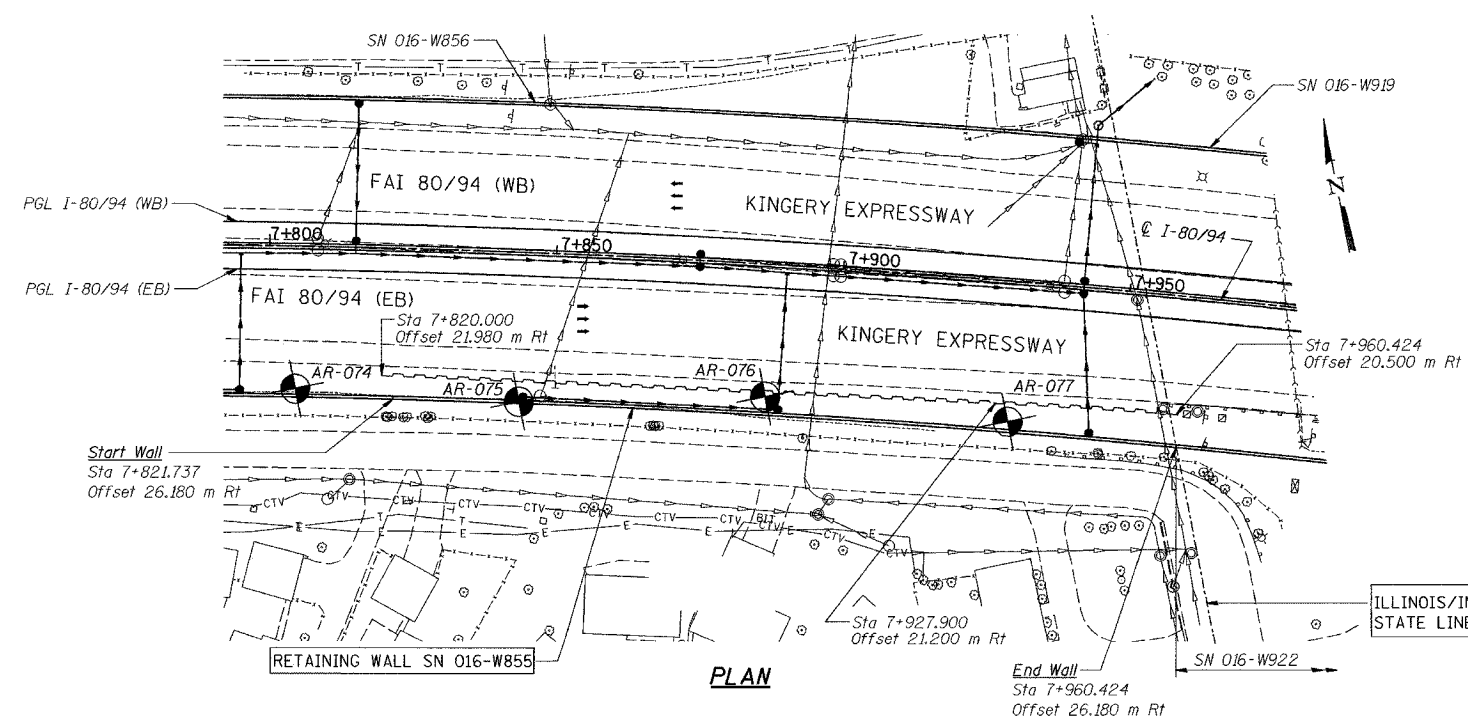
LOADING
 Wind Load on Future Noise Wall = 1.7 kPa

DESIGN STRESSES
FIELD UNITS
 $f'_c = 24 \text{ MPa}$
 $f_y = 400 \text{ MPa (Reinf.)}$
 Maximum Applied Soil Bearing Pressure = 150 kPa

DESIGN SPECIFICATIONS
 AASHTO 2002 Standard Specifications for Highway Bridges
 AASHTO 1989 Guide Specifications for Structural Design of Sound Barriers and 1992 Interims



GARY S. POWELL, S.E.
 IL. LIC. NO. 081-004771
 EXP _____
 DATE _____



DESIGNED	MJW
CHECKED	KFA
DRAWN	MJB
CHECKED	GSP

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.

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+821.737 TO STATION 7+960.424
 STRUCTURE NO. 016-W855**

DATE 07/05

**AMERICAN
 CONSULTING ENGINEERS**

FOR INFORMATION ONLY