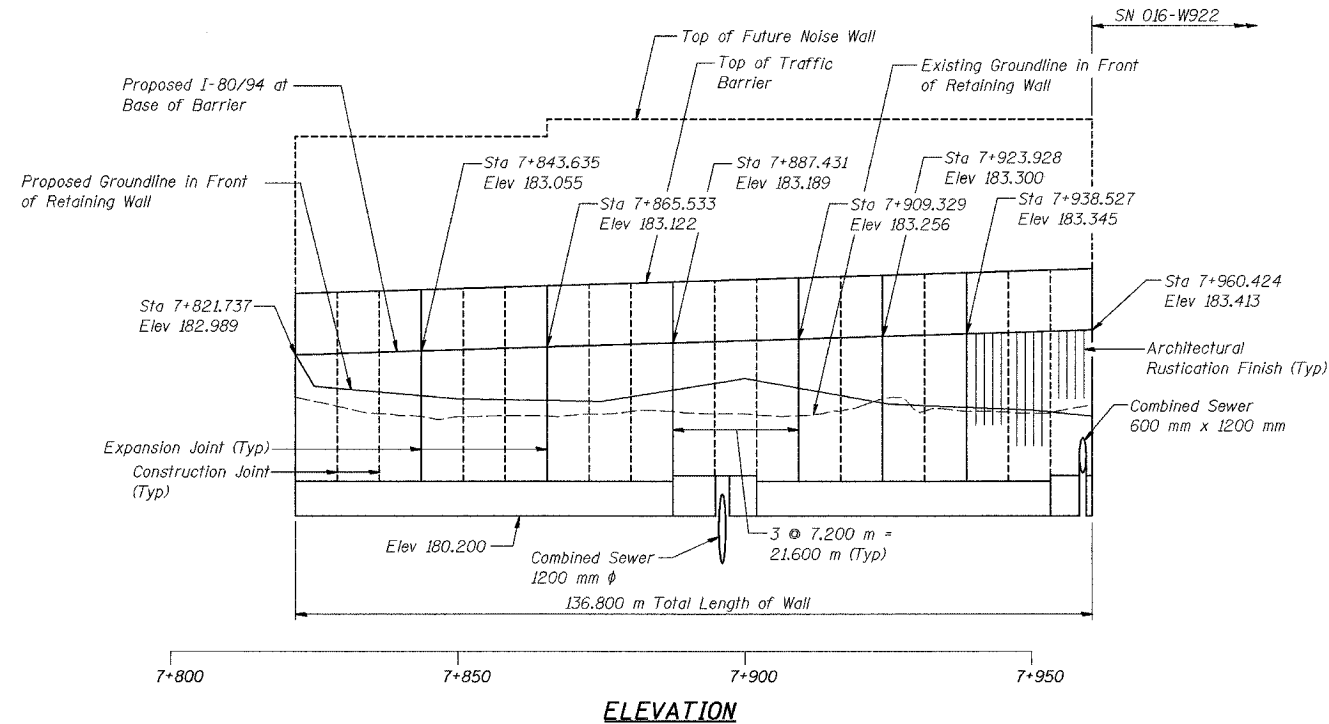


Benchmark: Chiseled box on South face of metal base of Light Pole #AC12 on center of Jersey Wall +/- 200 m East of Wentworth Avenue. Station 7+809.5  
 Offset 0.0 Elevation = 183.748  
 Existing Structure: None  
 All dimensions in millimeters (mm) except as noted.

ROUTE NO.	SECTION	COUNTY	SHEET	SHEET NO. S-1
160-74	2626.2-1	COOK	452 165	12 SHEETS
ILLINOIS FED. AID PROJECT				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
  - E - Existing Electricity Line
  - T - Existing Telephone Line
  - ~ Temporary Soil Retention System

**LOADING**  
 Wind Load on Future Noise Wall = 1.7 kPa

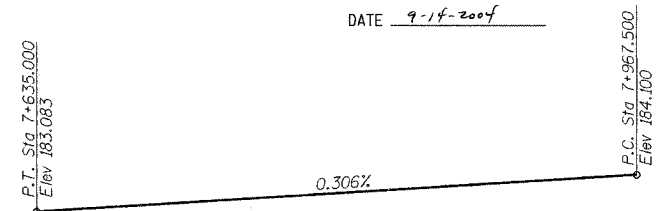
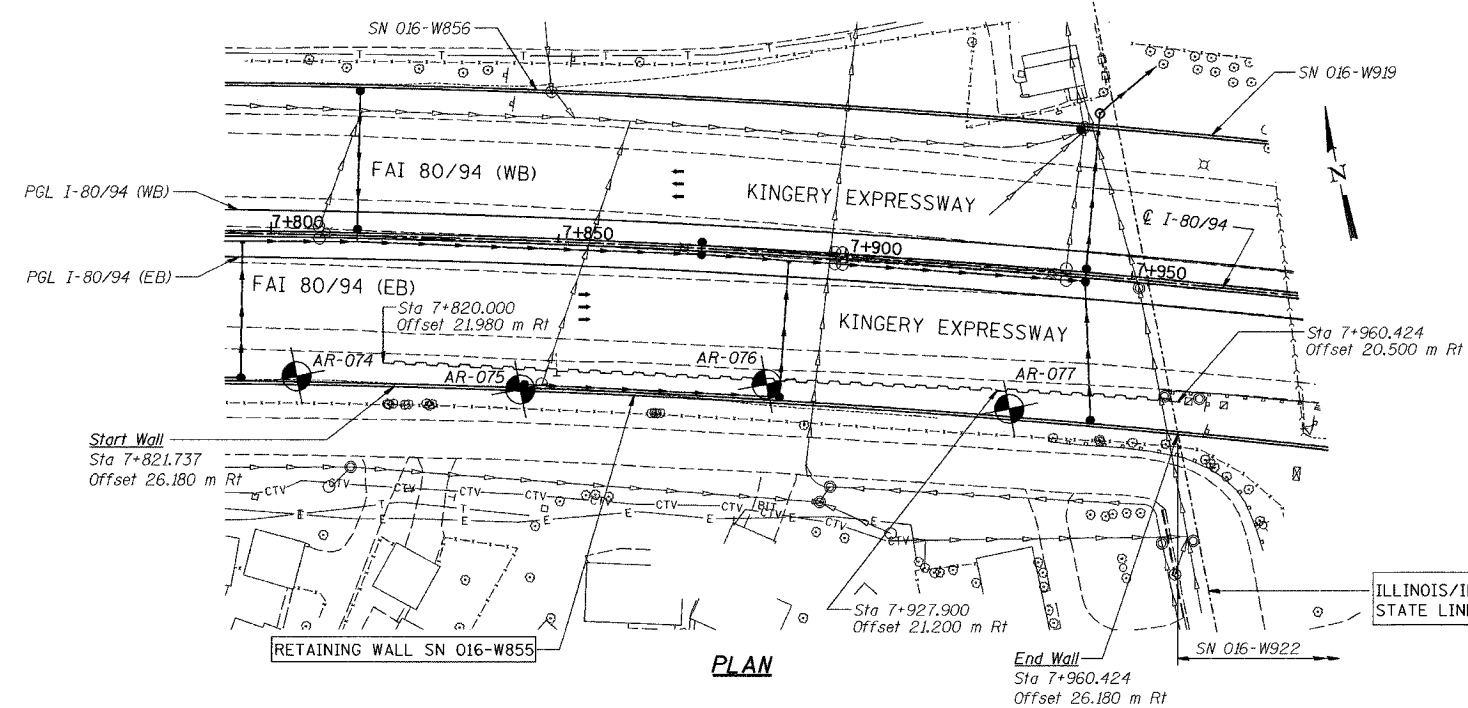
**DESIGN STRESSES**  
 FIELD UNITS  
 $f'_c = 24 \text{ MPa}$   
 $f_y = 400 \text{ MPa (Reinf.)}$   
 Maximum Applied Soil Bearing Pressure = 150 kPa

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

**APPROVED**  
 FOR STRUCTURAL ADEQUACY ONLY  
*Ralph E. Anderson*  
 ENGINEER OF BRIDGES AND STRUCTURES



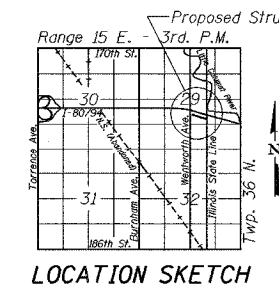
*Gary S. Powell*  
 GARY S. POWELL, S.E.  
 IL. LIC. NO. 081-004771  
 EXP 11-30-2007  
 DATE 9-14-2007



**PROFILE GRADE**  
 FUTURE I-80/94 EASTBOUND

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 07/04

**AMERICAN**  
 CONSULTING ENGINEERS