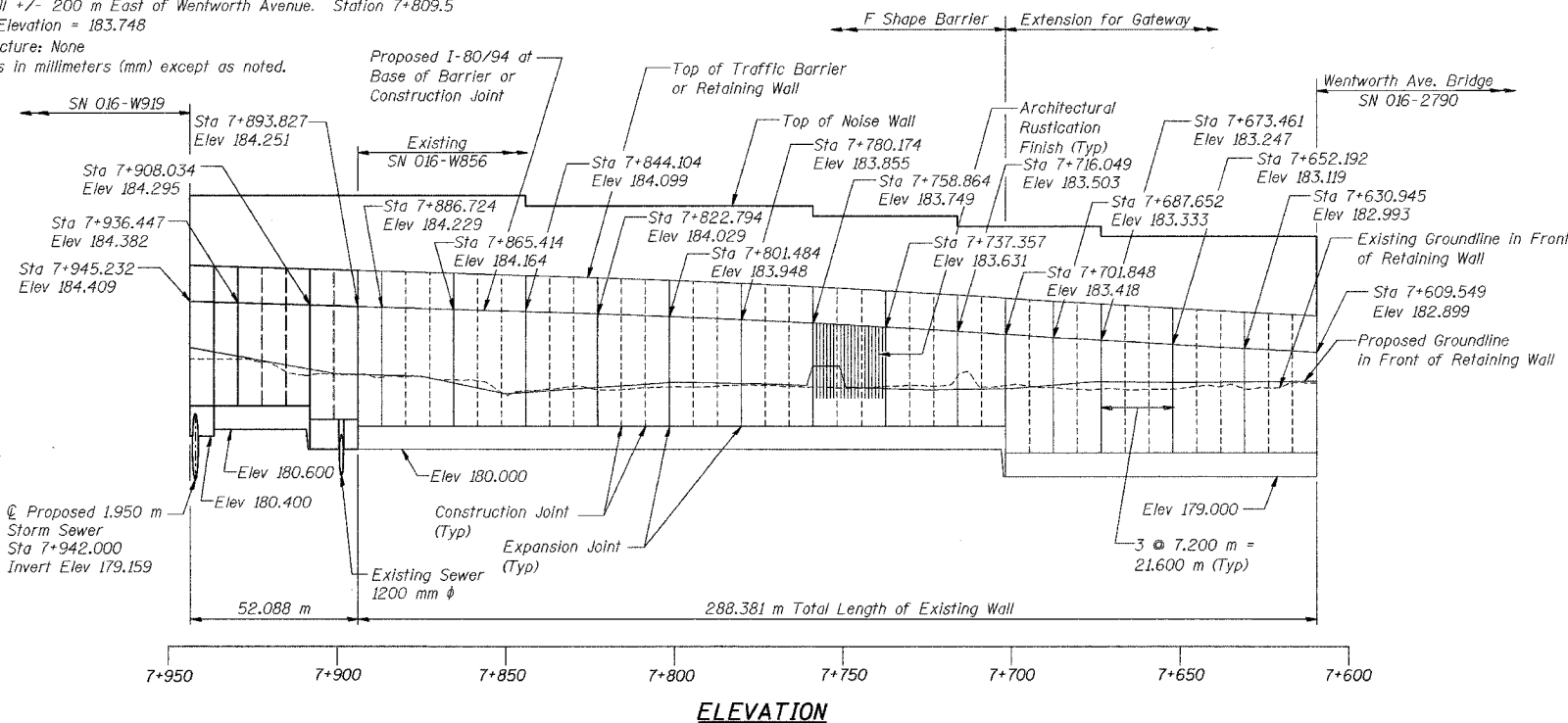


Benchmark: Chiseled box on South face of metal base of Light Pole #AC12 on center of Jersey Wall +/- 200 m East of Wentworth Avenue. Station 7+809.5
 Offset 0.0 Elevation = 183.748
 Existing Structure: None
 All dimensions in millimeters (mm) except as noted.

ROUTE NO.	SECTION	COUNTY	SHEET	SHEET	SHEET NO. S-1
P.A.L.	2626.2-R-1	COOK	1207	821	20 SHEETS
SHEET NO.		PROJECT NO.		CONTRACT NO. 62114 INDOT DES. NO. 0100987	

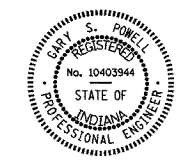
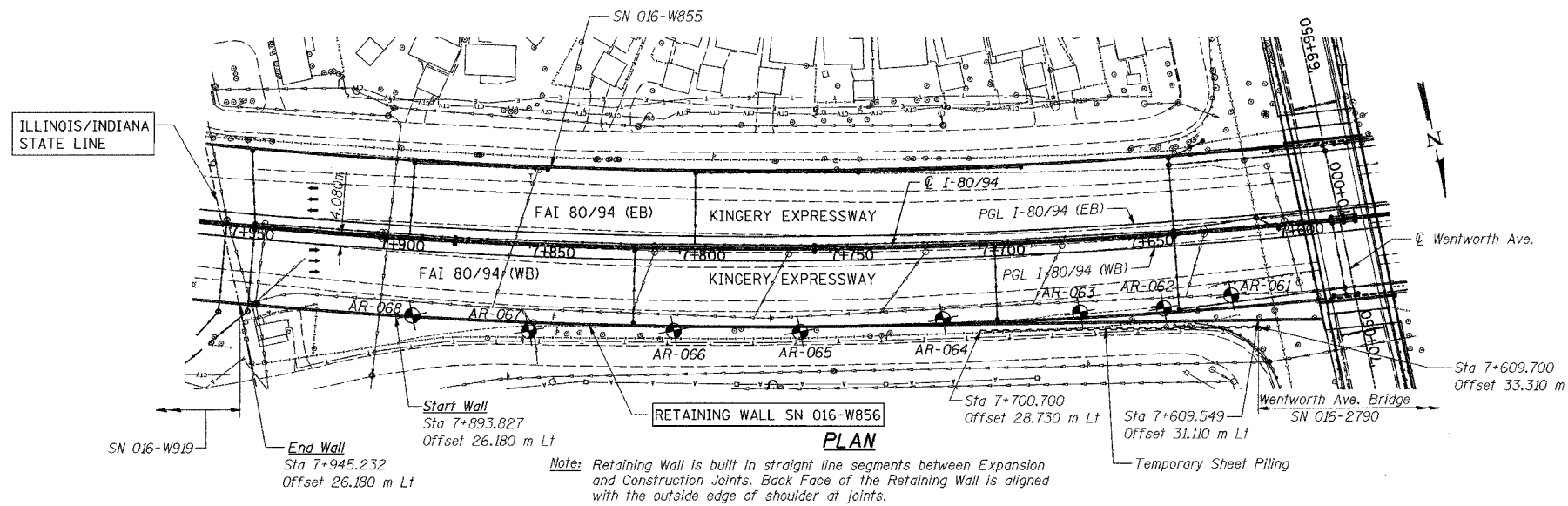


- LEGEND**
- Soil Boring Location
 - Existing Roadway/Structure
 - Proposed Roadway/Structure
 - Tree
 - Shrubs/Brush
 - Proposed Storm Sewer
 - Existing Sanitary Sewer
 - Existing Storm Sewer
 - Existing Cable TV
 - Existing Electricity Line
 - Existing Telephone Line
 - Electrical Aerial Cable
 - Temporary Sheet Piling

LOADING
 Wind Load on Future Noise Wall = 1.7 kPa

DESIGN STRESSES
FIELD UNITS
 $f'_c = 24$ MPa
 $f_y = 400$ MPa (Rein.)
 Maximum Applied Soil Bearing Pressure = 135 kPa Phase 2
 = 130 kPa Phase 3

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

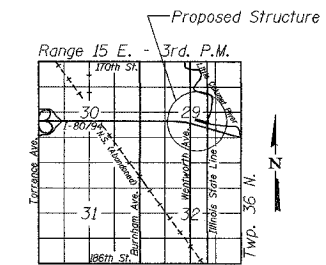


Gary S. Powell
 GARY S. POWELL, S.E.
 IL. LIC. NO. 081-00471
 EXP 11-30-2006
 DATE 09-12-2005

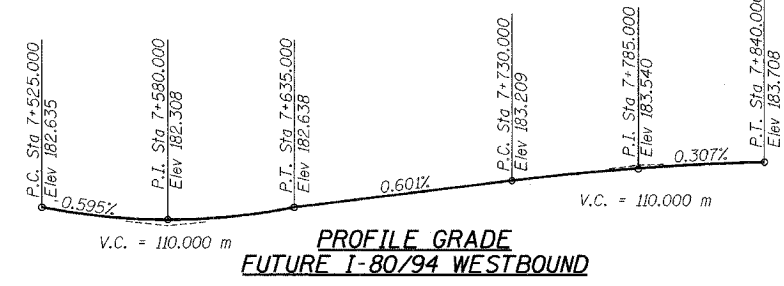
Gary S. Powell
 GARY S. POWELL, P. E.
 IN. LIC. NO. 10403944
 EXP 07-31-2006
 DATE 09-12-2005

APPROVED
 FOR STRUCTURAL ADEQUACY ONLY

Ralph E. Adams
 ENGINEER OF BRIDGES AND STRUCTURES



DESIGNED	KFA
CHECKED	BPS
DRAWN	MJB
CHECKED	GSP



CURVE DATA I-80/94

$\Delta = 20^\circ-11'-25''$
 $R = 1,923.600$ m
 $T = 342.476$ m
 $L = 677.849$ m
 $E = 30.249$ m
 $P.C. Sta = 7+380.276$
 $P.I. Sta = 7+722.751$
 $P.T. Sta = 8+058.125$
 $S.E. = 2.9\%$

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+893.827 TO STATION 7+945.232
 STRUCTURE NO. 016-W856
 DATE 09/05

AMERICAN
 CONSULTING ENGINEERS