

Benchmark: Chiseled "x" on north bolt of fire hydrant located on north side of 175th ± 5 m east of the west line of Henry Avenue. Elev = 182.450

Existing Structure: None
All dimensions in millimeters (mm) except as noted.

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 = 92 kPa

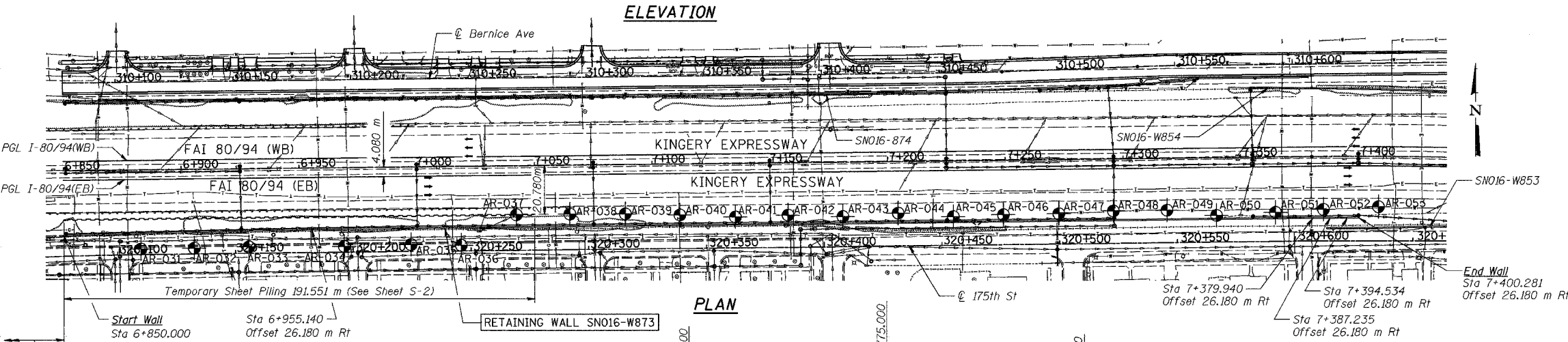
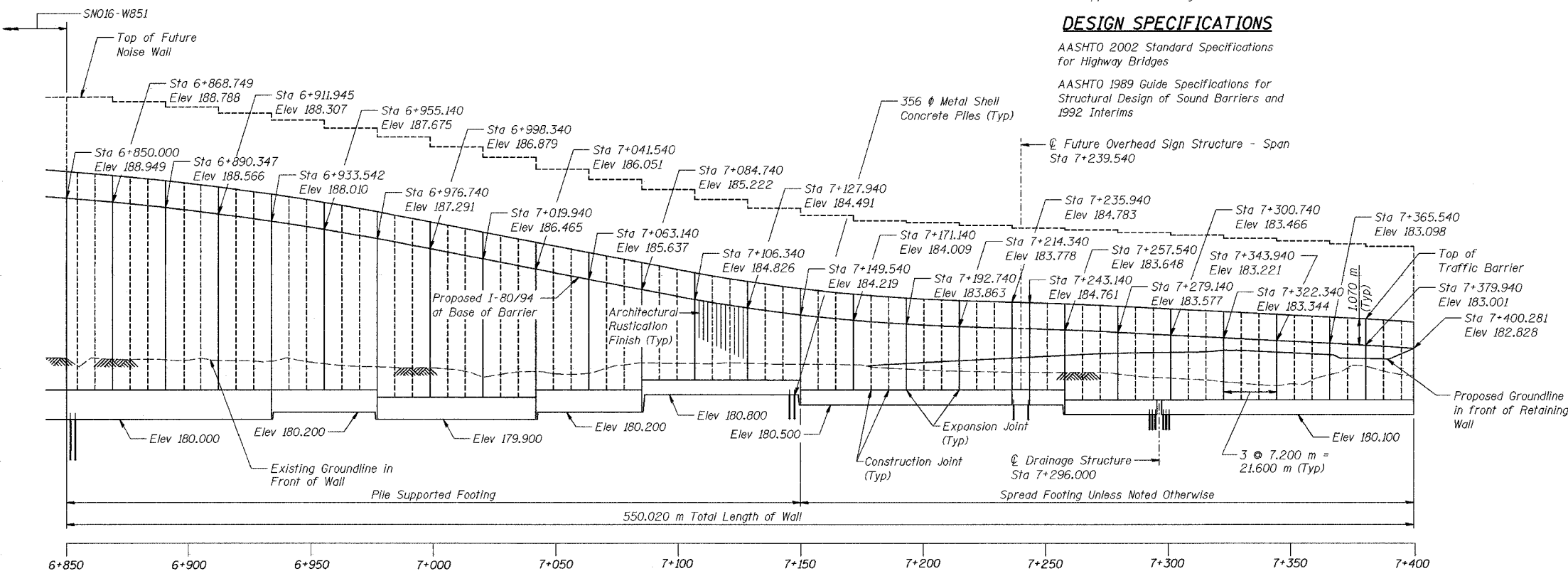
ROUTE NO.	SECTION	COUNTY	SHEET	SET	SHEET NO. S-1
F.A.I. 80/94	2001-167R	COOK COUNTY	1207	946	37 SHEETS
CONTRACT No. 62114					

DESIGN SPECIFICATIONS

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

LEGEND

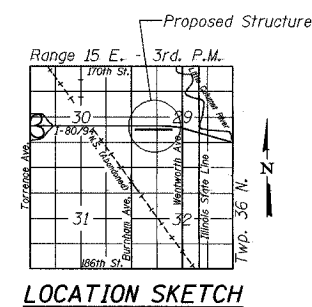
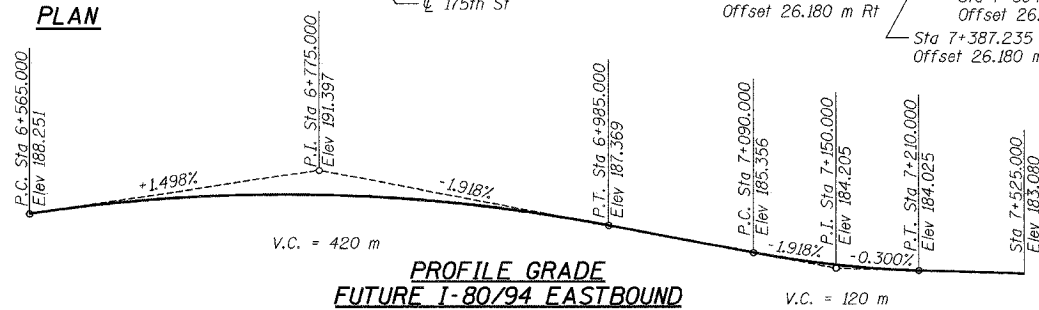
- Soil Boring Location
- Existing Roadway/Structure
- Proposed Roadway/Structure
- Tree
- Shrubs/Brush
- Proposed Storm Sewer
- Existing Storm Sewer
- Existing Water Main
- Existing Electricity Line
- Existing Telephone Line



CURVE DATA I-80/94

Δ = 20°-11'-25"
D = 2.979°
R = 1923.6
T = 342.476
L = 677.849
E = 30.249
P.C. = 7+380.276
P.I. = 7+722.751
P.T. = 8+058.125
S.E. = 2.9%

DESIGNED	BHS
CHECKED	KFA
DRAWN	MJB
CHECKED	GSP



ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. ROUTE 80/94 AND U.S. ROUTE 6
LOCAL ROAD RECONSTRUCTION

GENERAL PLAN SECTION 2001-167R
COOK COUNTY
STATION 6+850.000 to STATION 7+400.281
STRUCTURE NO. 016-W873
DATE 07/05

AMERICAN CONSULTING ENGINEERS

FOR INFORMATION ONLY