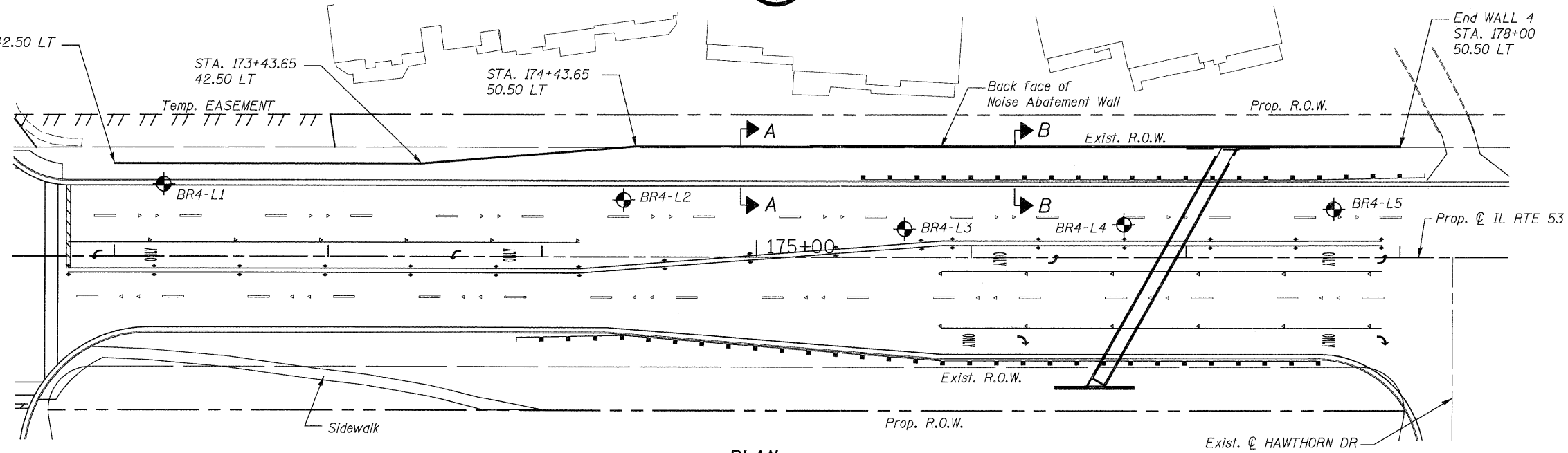




Begin WALL 4
STA. 172+00 42.50 LT



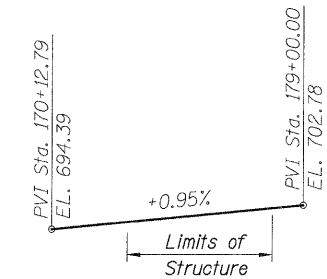
PLAN

DESIGN SPECIFICATIONS

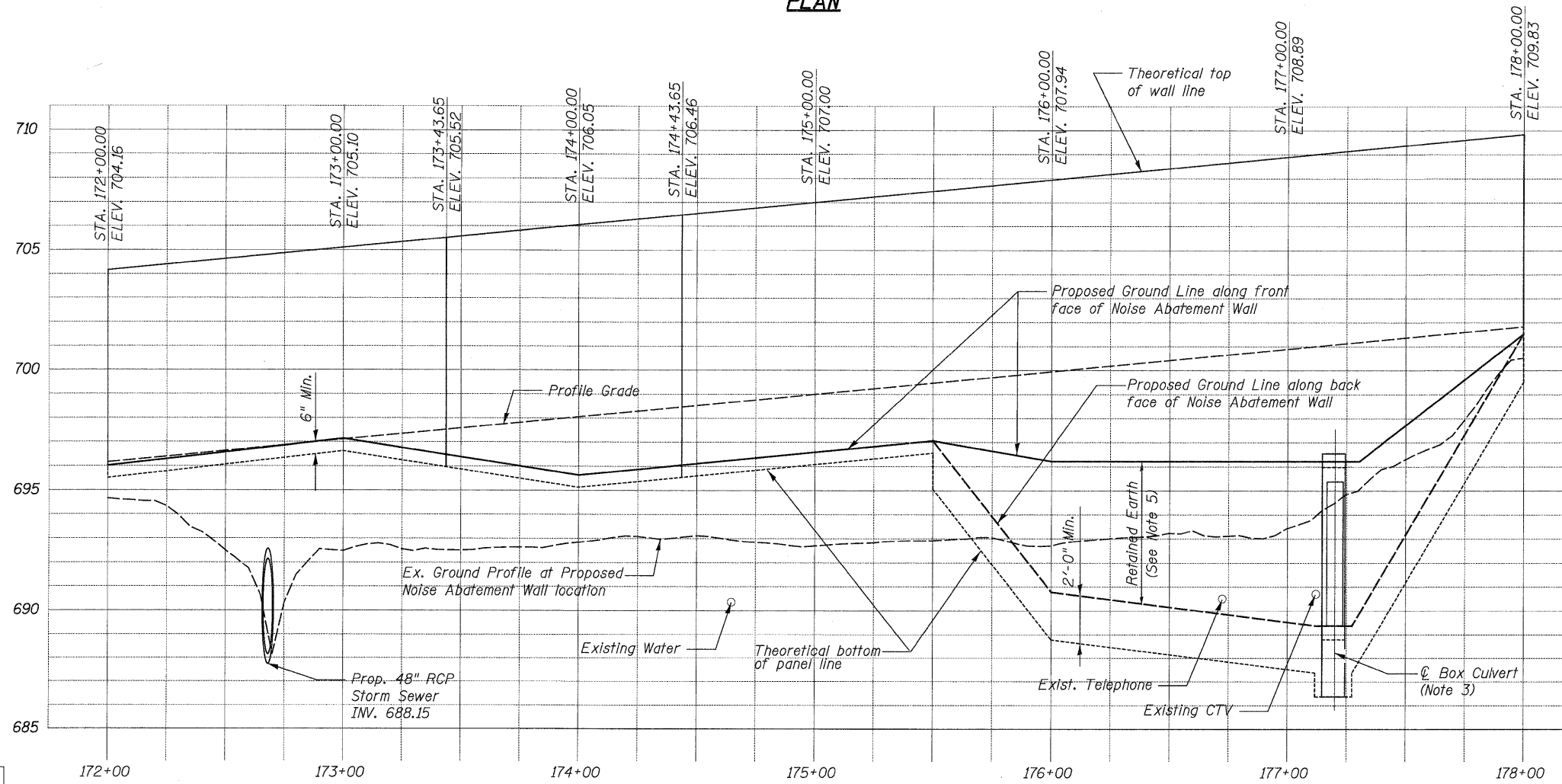
AASHTO 2002 Standard Specifications for Highway Bridges
AASHTO 1989 Guide Specifications for Structural Design of Sound Barriers and 1992 & 2002 Interims

LOADING

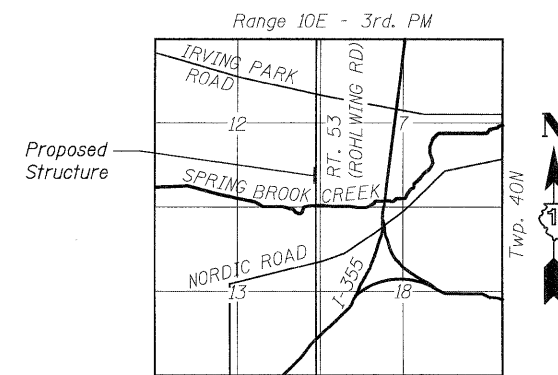
Wind Load on Noise Wall = 25 psf
Active Earth Pressure = 40 pcf (equivalent fluid)
LL Surcharge Pressure = 2 ft of earth pressure



PROFILE GRADE



ELEVATION



LOCATION SKETCH

NOTES:

- Proposed and existing drainage and utility not shown for clarity. Refer to additional sheets within this plan set.
- For Sections A-A and B-B, see Sheet S12 of S25.
- See Sheet S12 of S25 for Box Culvert End Section Detail.
- For Table Of Wall Elevations, see Sheet S12 of S25.
- From Sta. 175+50 to Sta. 178+00, the wall system shall be designed to withstand active earth pressure and live load surcharge.

**GENERAL PLAN AND ELEVATION
NOISE WALL 4
ILLINOIS ROUTE 53
FROM STA. 172+00 TO STA. 178+00**

DESIGNED - RLD / AY
CHECKED - AD / RLD
DRAWN - JV / AY
CHECKED - RLD

PATRICK ENGINEERING INC.
4970 VARSITY DRIVE
LISLE, IL 60532
patrickengineering.com

SHEET NO. S11 OF S25	F.A.P. RTE. 2578	SECTION 532B	COUNTY DUPAGE	TOTAL SHEETS 781	SHEET NO. 590
	CONTRACT NO. 60477				
12/3/2010		ILLINOIS FED. AID PROJECT			