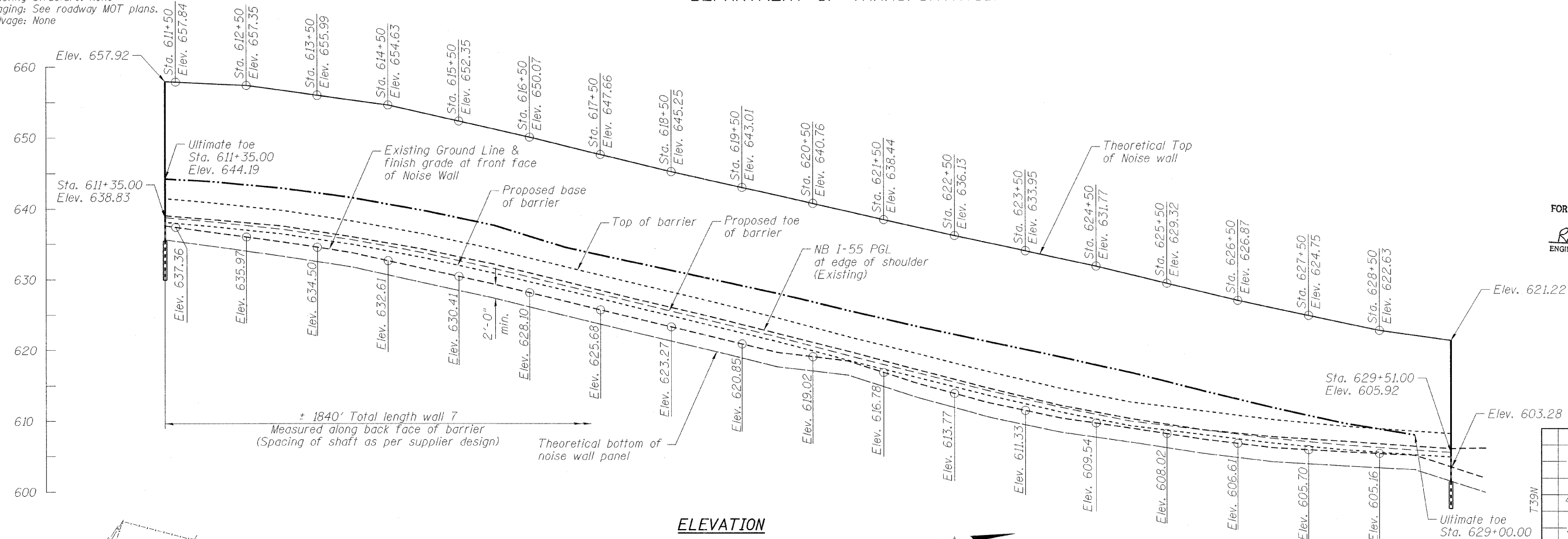


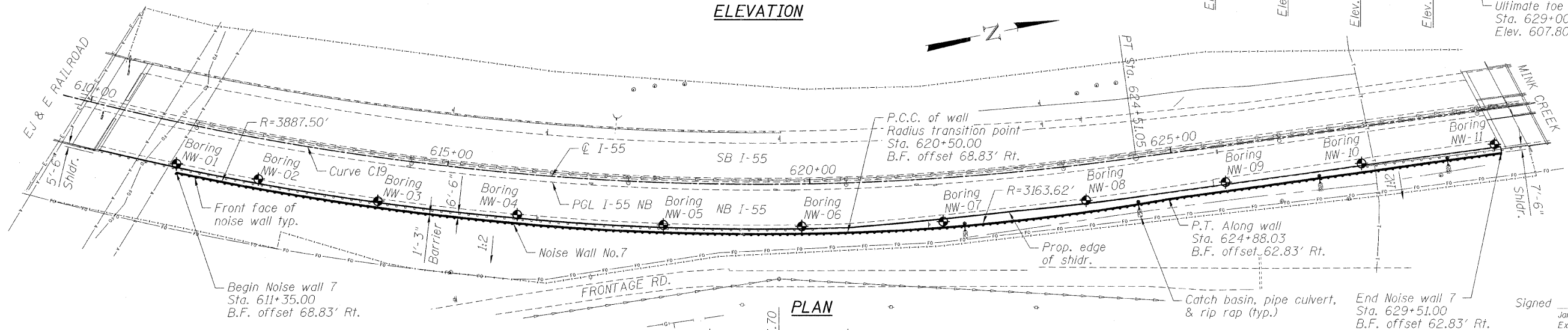
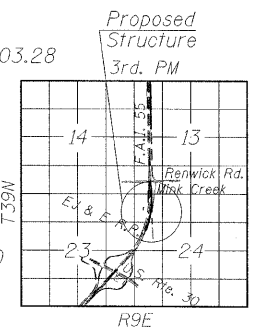
Bench Mark: No. 3206  
Cut on top SE wingwall of bridge over Mink Creek and 200' South of Renwick Rd. Elev. 606.27.

Existing Structure: None  
Staging: See roadway MOT plans.  
Salvage: None

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION



**APPROVED**  
FOR STRUCTURAL ADEQUACY ONLY  
*Robert E. Anderson (SE)*  
ENGINEER OF BRIDGES AND STRUCTURES



LOCATION SKETCH



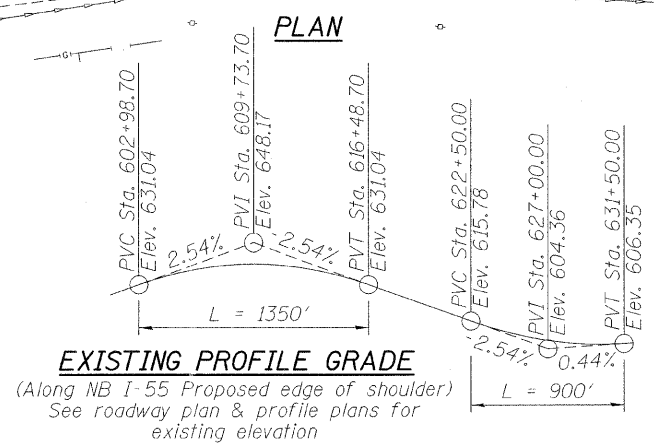
Signed *Jamal Grainawi*  
Jamal I. Grainawi, S.E., IL Lic. No. 081-005161  
Expires 11-30-2010  
Date 6/12/2009

**CURVE DATA C19**  
(Along @ I-55)  
P.I. Sta. = 610+78.59  
 $\Delta = 43^{\circ}22'01''$  (Lt.)  
 $D = 1^{\circ}30'00''$   
 $R = 3,820.00'$   
 $T = 1,518.89'$   
 $L = 2,891.35'$   
 $E = 290.89'$   
P.C. Sta. = 595+59.70  
P.T. Sta. = 624+51.05

**LOADING**  
Wind Load on noise wall = 35 psf

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

**DESIGN STRESSES**  
**FIELD UNITS**  
 $f_c = 3,500$  psi  
 $f_y = 60,000$  psi (reinforcement)  
 $f_y = 50,000$  psi (M270 Grade 50)



Note:  
See sheet 2 of 7 for typical section.  
See roadway plans for drainage invert elevation.  
The Contractor shall verify and consider the locations of overhead utilities prior to wall erection.

**GENERAL PLAN & ELEVATION**  
**F.A.I. RT. I-55 SEC. 99 (1&2) I-12**  
**WILL COUNTY**  
**STA. 610+25.64 TO 629+51.00**  
**STRUCTURE NO. 099-W024**

DESIGNED	P. LOPEZ
CHECKED	J. GRAINAWI
DRAWN	D. C. PATEL
CHECKED	J. GRAINAWI

SHEET NO. 1 7 SHEETS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	55	99 (1&2) I-12	WILL	147	83
			CONTRACT NO.	60B04	
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT					



T:\16817A\Struct\Cadd\Pre-Final\Noise wall\Wall 7\099W024-60B04-001.dgn 12-JUN-2009 16:19