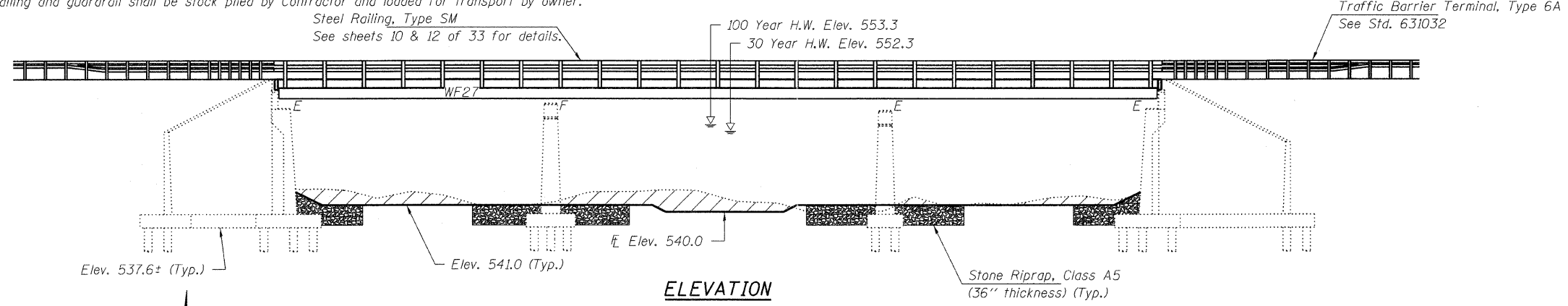


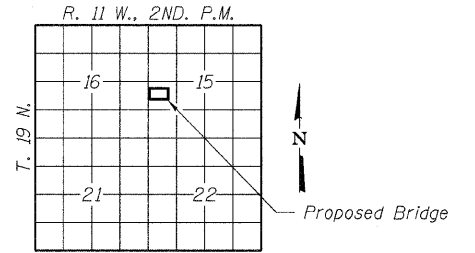
BENCHMARK: Chiseled "□" on S.E. Wing, 18' Rt., Sta. 10+68, Elev. 560.29

EXISTING STRUCTURE: Three span continuous steel I-beam bridge with cast in place concrete deck on closed concrete abutments and solid wall piers. 136.25' bk.-bk. abuts.; 30.0' o.-o. deck. Deck superstructure and bearings to be removed and replaced. Road will be closed to traffic during construction.

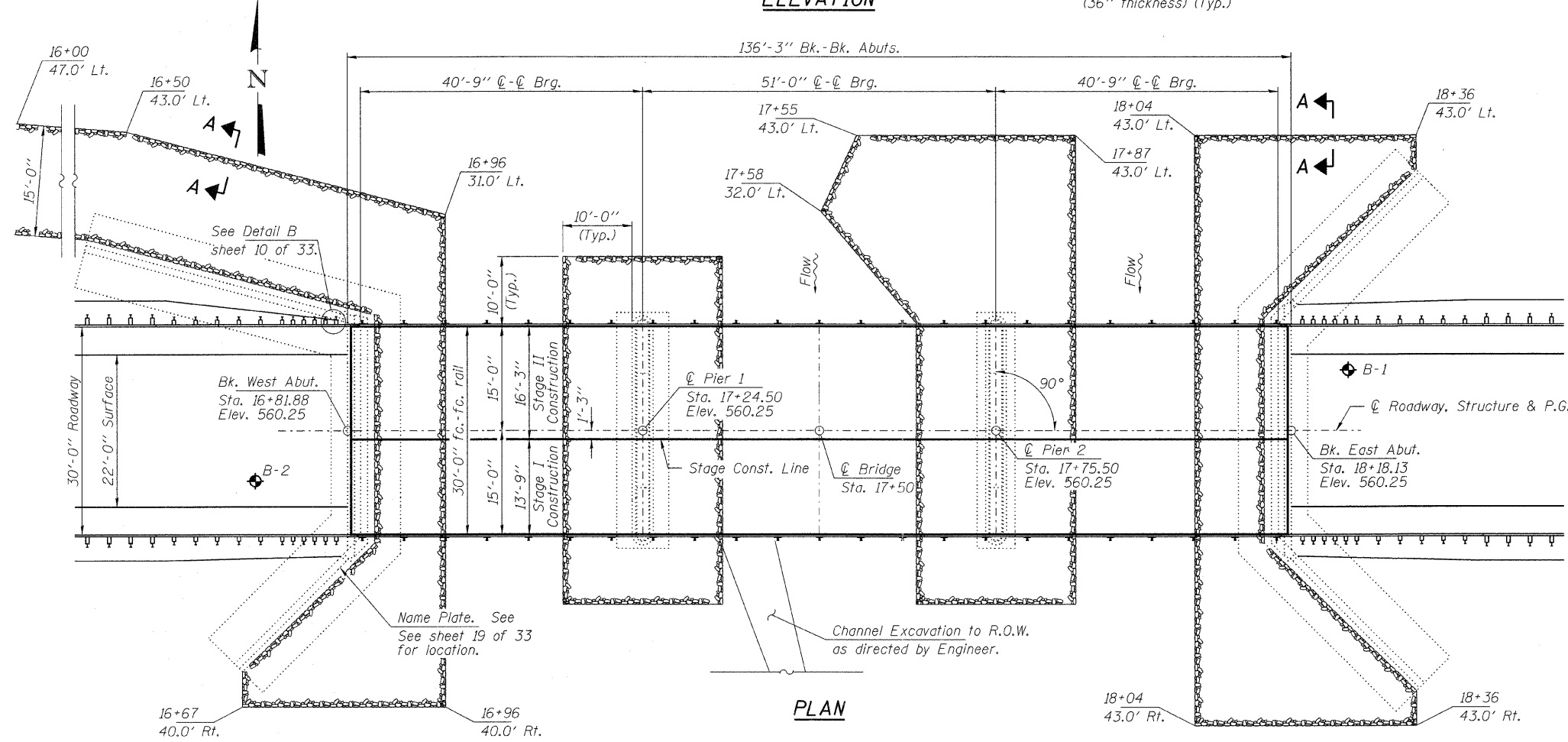
Steel railing and guardrail shall be stock piled by Contractor and loaded for transport by owner.



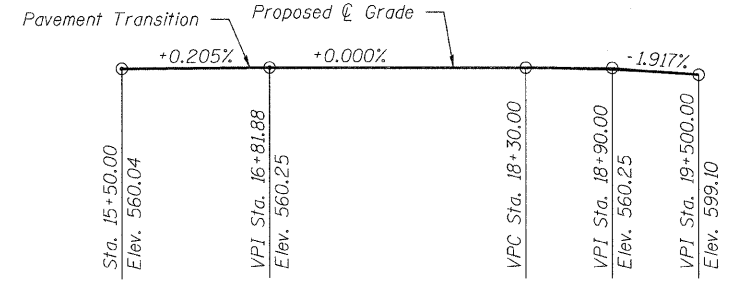
ELEVATION



LOCATION SKETCH



PLAN



PROFILE GRADE
F.A.U. 7043/CH 6

DESIGN SPECIFICATIONS

2010 AASHTO LRFD Bridge Design Specifications

LOADING HL-93

Allow 50#/sq. ft. for future wearing surface.

DESIGN STRESSES

$f'_c = 3,500$ psi
 $f_y = 60,000$ psi (Reinf.)
 $f_y = 50,000$ psi (Structural Steel) (M270 GR. 50W)

SEISMIC DATA

Seismic Performance Zone (SPZ) = 1
Design Spectral Acceleration at 1.0 sec. (S_{D1}) = 0.132g
Design Spectral Acceleration at 0.2 sec. (S_{D5}) = 0.227g
Soil Site Class = D

I certify that to the best of my knowledge, information and belief, this bridge design is structurally adequate for the design loading shown on the plans. The design is an economical one for the style of structure and complies with requirements of the current "AASHTO LRFD Specifications."

Steven W. Megginson 2/9/2012
ILLINOIS STRUCTURAL ENGINEER NO. 081-6064 Expires 11-30-2012



GENERAL PLAN & ELEVATION
PERRYSVILLE ROAD / FAU 7043
OVER STONY CREEK
SECTION 09-00171-00-BR
VERMILION COUNTY
STATION 17+50.00
STRUCTURE NO. 092-0085

FILE NAME = 100108-sht-brdige.dgn	USER NAME =	DESIGNED - C.C.S.	REVISED -	STATE OF ILLINOIS VERMILION COUNTY HIGHWAY DEPARTMENT	GENERAL PLAN & ELEVATION STRUCTURE NO. 092-0085 SHEET NO. 1 OF 33 SHEETS	FAU	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
HAMPTON, LENZINI AND RENWICK, INC. 3685 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62701 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959	PLOT SCALE =	CHECKED - S.M.S.	REVISED -			7043	09-00171-00-BR	VERMILION	66	34	
PLOT DATE = 2/9/2012	CHECKED - S.W.M.	DRAWN - D.A.B.	REVISED -			CONTRACT NO. 91449		ILLINOIS FED. AID PROJECT			