

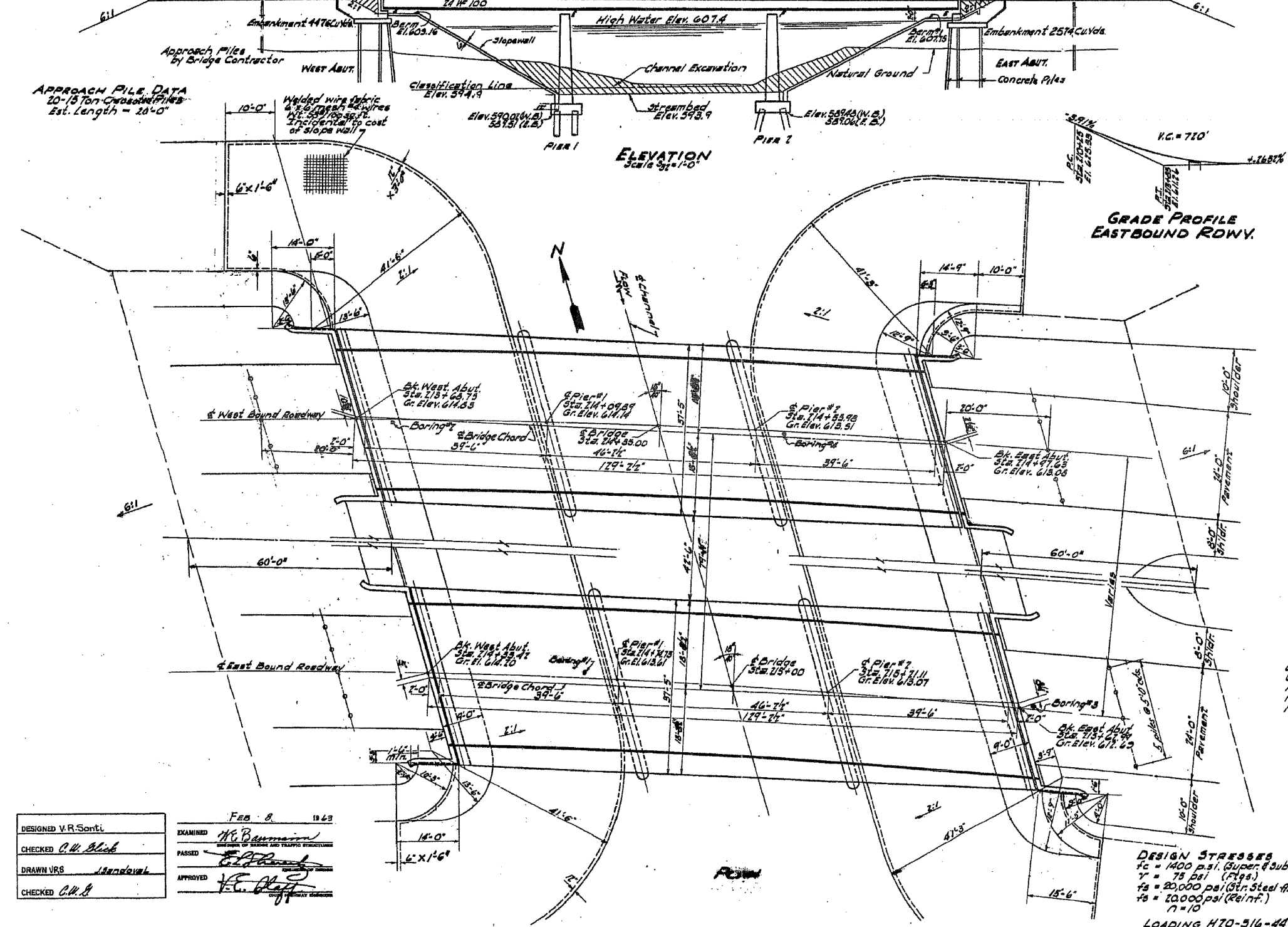
B.M. on S. wingwall of East abutment of present bridge Elev. 611.37  
 Existing structure: R.C. Deck Girder  
 34'-10"-O" Rdwy. 21'-R.C. Abuts. & Piers

STATE OF ILLINOIS  
 DEPARTMENT OF PUBLIC WORKS & BUILDINGS  
 DIVISION OF HIGHWAYS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
438	438	JO DAVIESS	27	5
PROJECT: F-240(3)				

SHEET NO. /  
 9 SHEETS

Temporary Structure: None Req'd.

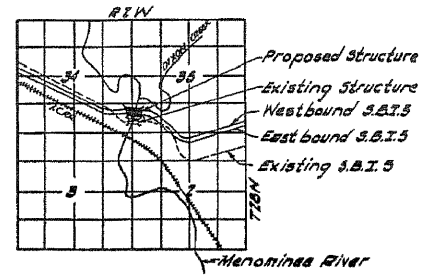


GRADE PROFILE  
 EASTBOUND RDWY.

GRADE PROFILE  
 WESTBOUND RDWY.

CURVE DATA

WEST BOUND	EAST BOUND
$\Delta = 30^{\circ}-47'$	$\Delta = 35^{\circ}-21'$
$D = 7^{\circ}-30'$	$D = 7^{\circ}-30'$
$R = 2,142.01'$	$R = 2,129.01'$
$T = 650.97'$	$T = 664.01'$
$L = 1231.93'$	$L = 1,244.00'$
$E = 35.76'$	$E = 46.41'$
$P.I. = Sta. 218+43.88$	$P.I. = Sta. 219+46.41$
$S.E. = 0.043/ft$	$S.E. = 0.045/ft$
Full S.E. Sta. 214+57.91	Full S.E. Sta. 214+01.6
To Sta. 224+24.24	To Sta. 224+55.6



LOCATION SKETCH

WATERWAY INFORMATION

Drainage Area	10,000 Acres
Character	Hilly, Wooded, Cultivated
Required Opening (33 Yr. Flood)	900 Sq. Ft.
Present Opening	911 Sq. Ft.
Proposed Opening	900 Sq. Ft.
Ordinary Water Elevation	595.4

GENERAL PLAN & ELEVATION  
 MENOMINEE RIVER  
 S.B.T. RT. 5 SEC. 43-B  
 PROJ. F-240 (3)  
 JO DAVIESS COUNTY  
 STA. 214+35 (W.B.)  
 STA. 215+00 (E.B.)

DESIGN STRESSES  
 $f_c = 1400$  psi (Super. 8 Sub)  
 $f_t = 75$  psi (Figs.)  
 $f_s = 20,000$  psi (Str. Steel #36)  
 $f_b = 20,000$  psi (Reinf.)  
 $n = 10$   
 LOADING H70-516-44

DESIGNED	V.R. Sonti
CHECKED	C.H. Blisk
DRAWN	W. Sontik
CHECKED	C.H. Blisk

EXAMINED	Feb. 8, 1943
PASSED	[Signature]
APPROVED	[Signature]