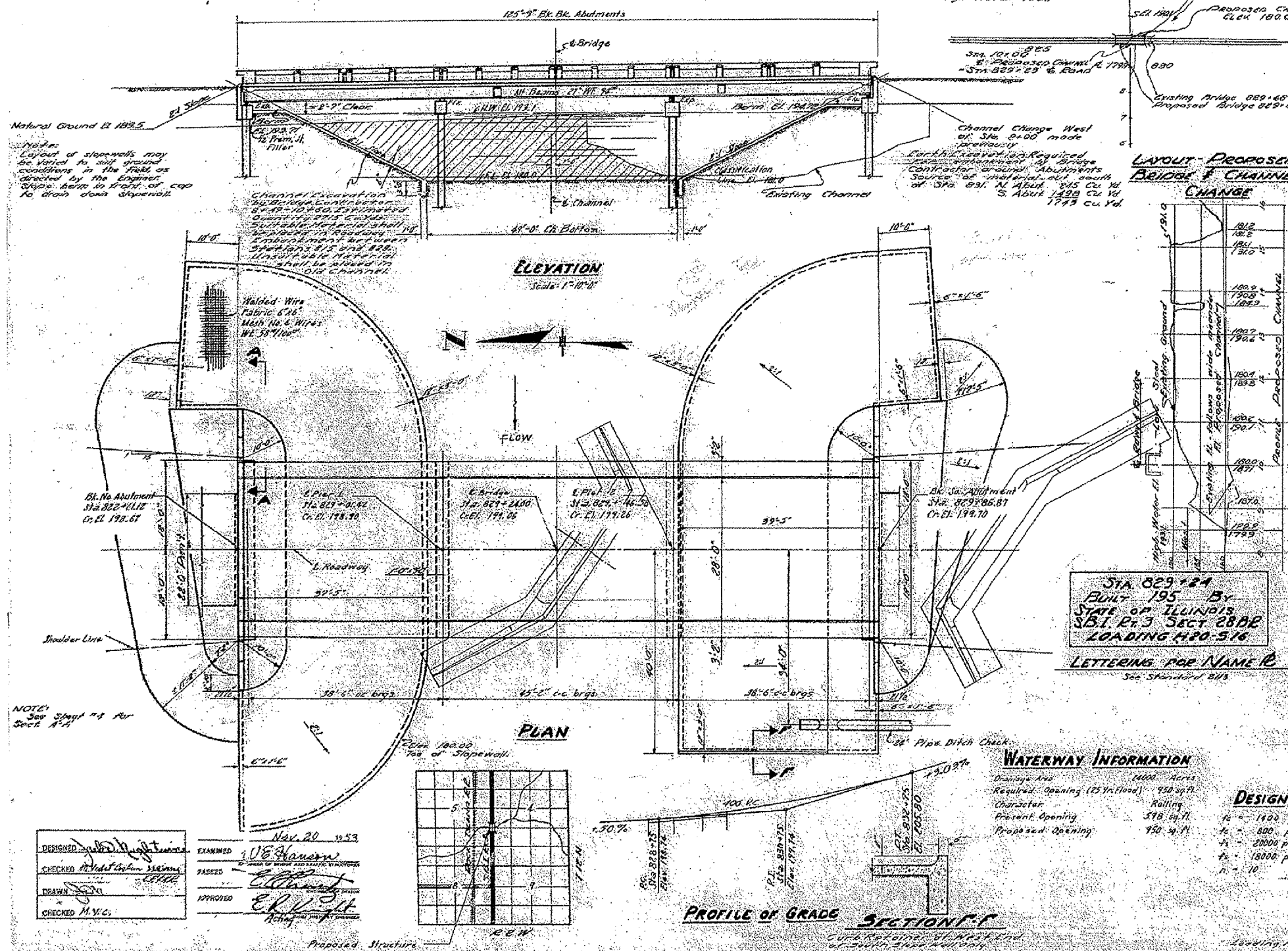


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEET NO.
310	.	**	97 30
STA. TO STA.			
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT

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

BM. 1 Chisled Square East Corner Wing North Abutment. Bridge in place Sta 829+68. Est 1953.  
 Existing Bridge: 80' Steel Pony Truss, 21' Roadway on R.C. Abutments. To be removed by Bridge Contractor during construction.  
 Pile Foundations to become property of Contractor.



GENERAL NOTES

Class X Concrete shall be used throughout except as noted. Handrail Concrete shall be used in Posts & Rails. The concrete floor slab shall be poured in one continuous operation between piers.  
 The concrete floor slab shall be finished in accordance with Article 316(a) of the Standard Specifications. All rebar, rockers, bearing plates, lead plates, pipes, and anchor bolts shall be fabricated and set in accordance with Art. 314 of the Standard Specifications and are included in payment as structural steel. See Weight 2905.85.  
 Expansion Guards shall be fabricated and erected in accordance with Art. 315(a) of the Standard Specs. All connections shall be riveted except as noted. Rivets shall be 3" and bolts 3/4" except as noted.  
 All holes for splices shall be punched & 1" rounded to proper size (3/8" in web and 5/8" in flange) with all stringers assembled in shop in proper position with or without diaphragms in place. Leave assembled in shop for inspection.  
 Structural steel shall receive one shop coat of red lead paint after inspection and two field coats of aluminum paint. All paint to be furnished and applied by contractor. Inspection by Ill. Division of Highway Standard Specs.  
 Welding shall comply with Art. 55.4(a) of the Standard Specs.  
 Before superstructure is placed, construct embankment in accordance with Art. 16 of the Std Specs.  
 The Contractor shall drive three Test Piles in a permanent location, as directed by the Engineer before ordering or casting the remainder of the piles. Anchor bolts shall be set before riveting diaphragm over piers and abutments.  
 Piles were used in existing structure.

LAYOUT-PROPOSED BRIDGE & CHANNEL CHANGE

TOTAL BILL OF MATERIAL

ITEM	SUPER	SUB	TOTAL	
Class X Concrete	Cu Yd	116.0	62.1	178.1
Handrail Concrete	Cu Yd	5.9		5.9
Reinforcement Bars	Lbs.	82,180	4480	86,660
Structural Steel	Lbs.	93,400		93,400
Shape Mill	Sq Yd		1056	1056
Non-ferrous	Each	1		1
Channel Excavation	Cu Yd		2715	2715
Class X Excavation for Sh. Cu Yd		60		60
Class X Excavation for Sh. Cu Yd		90		90
16" Precast Conc. Piles	Each	840		840
Test Piles	Each	3		3
Removal of Existing Steel End				1
Removal of Existing Steel End				1943

WATERWAY INFORMATION

Drainage Area: 1400 Acres  
 Required Opening (25 Yr Flood): 750 sq ft  
 Character: Rolling  
 Present Opening: 598 sq ft  
 Proposed Opening: 750 sq ft

DESIGN STRESSES

Super: 11,000 psi  
 S-6: 800 psi  
 Reinfr: 20,000 psi  
 Structural: 18,000 psi  
 n = 10

GENERAL PLAN & ELEVATION  
 BRIDGE OVER MIDDLE  
 HENDERSON CREEK  
 S.B.I. P. 3 SECT 28-B.R.  
 WARREN COUNTY  
 STA. 829+24

DESIGNED	W. H. Hoffmann	EXAMINED	W. E. Hansen
CHECKED	R. H. Hoffmann	PASSED	
DRAWN	J. H. Hoffmann	APPROVED	E. H. Hoffmann
CHECKED	M. V. C.		

FOR INFORMATION ONLY

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 FOR INFORMATION ONLY  
 EXISTING S.N. 094-0002  
 MIDDLE HENDERSON CREEK  
 1954  
 SCALE: VERT. HORIZ.  
 DATE  
 DRAWN BY  
 CHECKED BY