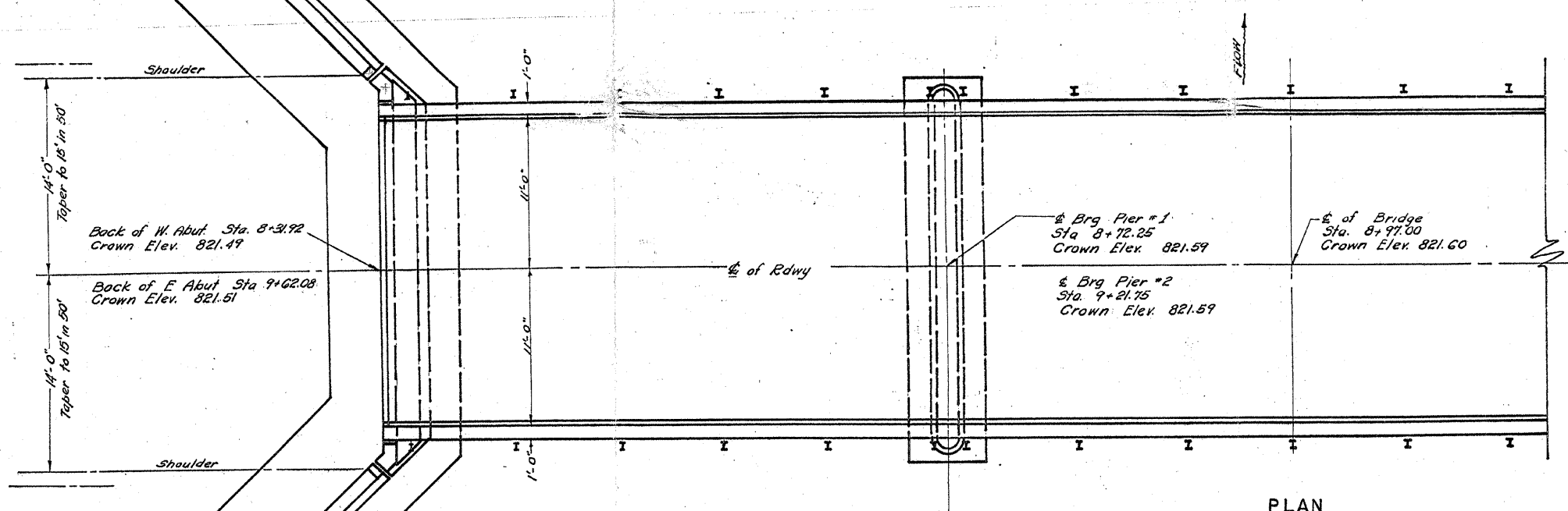
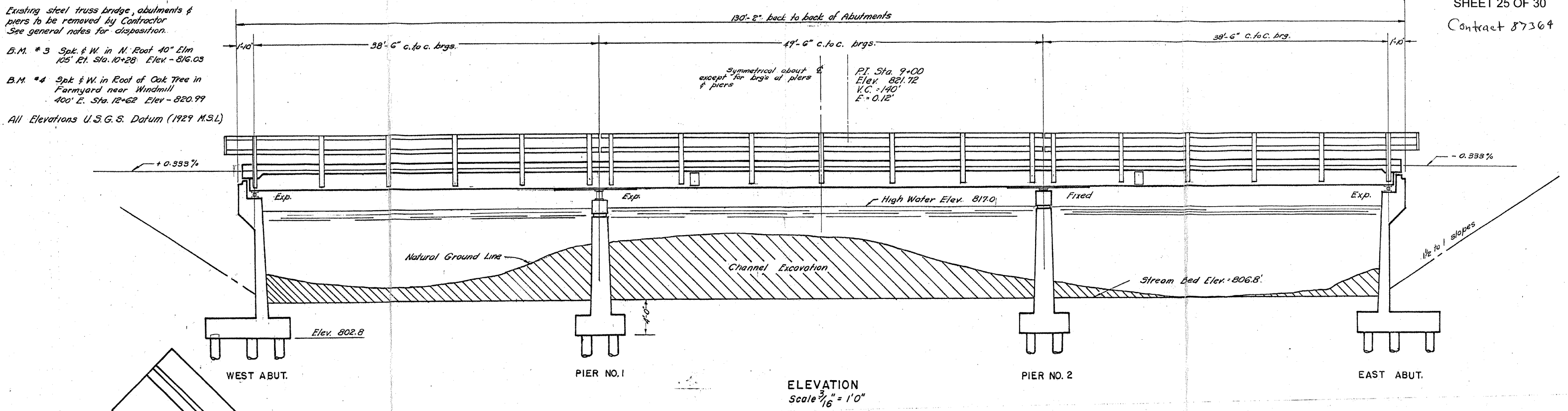


Existing steel truss bridge, abutments & piers to be removed by Contractor. See general notes for disposition.
 B.M. #3 Spk. & W. in N. Root 40" Elm 105' Rt. Sta. 10+28 Elev. - 816.03
 B.M. #4 Spk. & W. in Root of Oak Tree in Farmyard near Windmill 400' E. Sta. 12+62 Elev. - 820.99
 All Elevations U.S.G.S. Datum (1929 M.S.L.)



GENERAL NOTES

Class X Concrete shall be used throughout except in Piers Class A Concrete shall be used in Piers. The concrete floor slab shall be placed in one continuous operation, and finished in accordance with Art. 21.3 (c) of the Standard Specifications. Structural grade reinforcement bars will not be permitted. The Bridge Contractor shall drive two Untreated Test Piles as directed by the Engineer before furnishing the remainder of the piers. Test piles will be driven in permanent positions. All rollers, bearing plates, lead plates, pinthes, and anchor bolts shall be finished, painted and set in accordance with Art. 54.3 (d) of the Standard Specifications and are included for payment as Structural Steel. Anchor bolt shall be set before riveting diaphragms over Abut's or Piers. Floor drains shall receive one shop coat of red lead paint and two field coats of Aluminum paint. Structural Steel shall be inspected by Illinois Division of Highways before painting. All Structural Steel shall receive one shop coat of red lead paint after inspection and shall receive two field coats of Aluminum paint. All paint shall be furnished and applied by the Contractor. All connections shall be riveted unless otherwise noted and all rivets shall be open holes $\frac{1}{8}''$ as noted. All splices for stringers shall have rivet holes punched $\frac{1}{8}''$ and reamed to required size with all stringers of a continuous unit assembled in the shop in their position with or without diaphragms in place. Leave assembled for inspection.

The steel truss bridge, piers and abutments shall be removed by the Bridge Contractor. The existing road plank floor shall be removed by and shall remain the property of Mayfield Township. The contractor shall notify the Township Commissioner at his intent to dismantle the existing bridge at least 10 days prior to his commencing the dismantling. The salvage steel trusses and steel floor system removed by the Contractor shall be turned over to the Mayfield Township Commissioner. The Contractor shall cut the salvaged truss members into suitable lengths for handling, and shall stack the members so cut in orderly piles along the R.O.W. The existing steel floor system shall be dismantled by members and stored on the R.O.W. in an orderly manner and separate from truss members. Existing pier and abutments removed by the Contractor shall be disposed of in a manner satisfactory to the Engineer. This work shall be paid for at the unit price bid for "Removal of Existing Structure". Before constructing abutments, the Contractor shall excavate channel as shown on plan, profile and cross-section sheets. Backfill at abutments and piers to be in accordance with Sec 16 of the Standard Specifications.

FOR INFORMATION ONLY

WATERWAY DATA
 Drainage Area 138,000 Acres
 Assumed "C" (Talbot) 0.17
 Req'd Effective Opening 1,220 Sq. Ft.

STRESSES
 $f_s = 18,000 \text{ psi}$ Structural
 $f_s = 20,000 \text{ psi}$ Reinforcement
 $f_c = 1,200 \text{ psi}$ Superstructure
 $f_c = 800 \text{ psi}$ Substructure
 $n = 10$

H-15 LOADING

TOTAL BILL OF MATERIALS

ITEM	UNIT	SUPER	SUB	TOTAL
CLASS X CONCRETE	CU. YDS.	71.2	175.0	246.2
CLASS A CONCRETE	CU. YDS.		72.6	72.6
REINFORCEMENT BARS	LBS.	15580	14080	29660
STRUCTURAL STEEL	LBS.	70580		70580
FLOOR DRAINS	EACH	20		20
FURNISH UNTREATED WOOD PILES (12") 15' LG	LIN. FT.		1620	1620
DRIVING UNTREATED WOOD PILES (12") 15' LG	LIN. FT.		1620	1620
UNTREATED WOOD TEST PILE	EACH		2	2
NAME PLATE	EACH	1		1
REMOVAL OF EXISTING STRUCTURE	EACH			1

BRUSH POINT BRIDGE OVER KISHWAUKEE RIVER (SO. BRANCH) MAYFIELD TOWNSHIP DE KALB COUNTY, ILLINOIS

Drawn by: S.W.K., F.O.L.
 Checked by: R.H.
 Designed by: R.H.R.
 C. K. WILLETT CONSULTING ENGINEERS DIXON, ILLINOIS
 April 1950
 Sheet No. 25 of 14 sheets