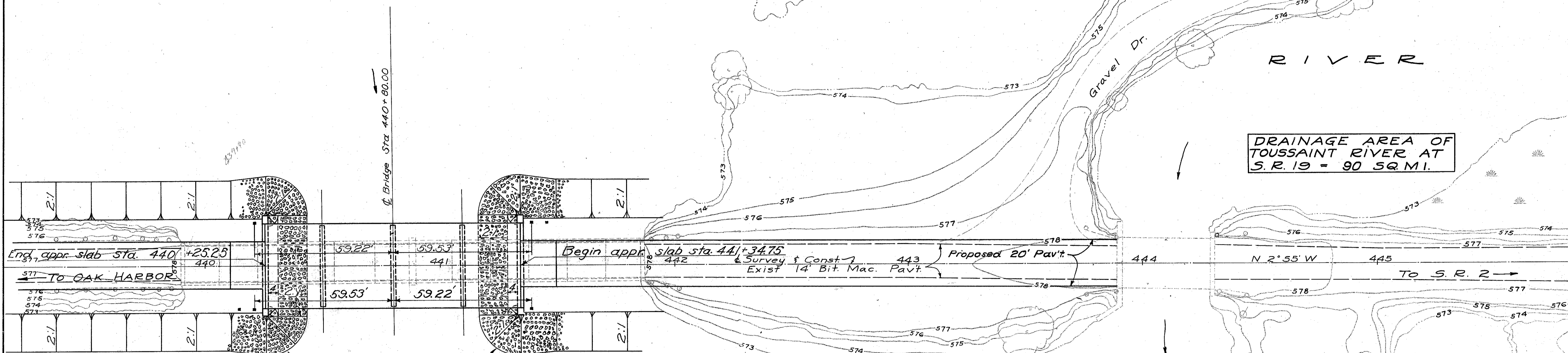


OTT-19-8.04  
3.8 mi. North of Oak Harbor  
OTTAWA COUNTY

TOUSSAINT

RIVER

DRAINAGE AREA OF TOUSSAINT RIVER AT S.R. 19 = 90 SQ. MI.



Foundation design and foundation quantities are based on a study of rod soundings and soil sampling soundings made at the site.

This sounding information may be inspected in the office of the Bureau of Bridges in Columbus or in an abridged form in the Division Office, but the State assumes no responsibility for the accuracy thereof.

Dump rock fill 2' minimum thickness

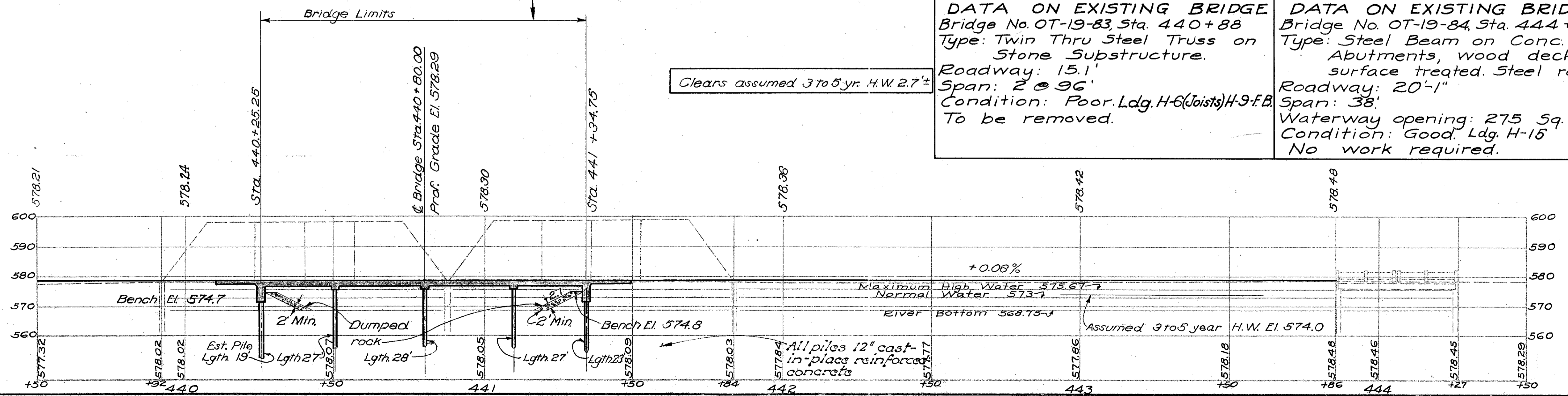
**PROPOSED STRUCTURE**  
 TYPE: Cont. reinf. concrete slab with capped pile substructure  
 SPANS: 24'-30'-30'-24' ctr. to ctr. of brgs.  
 ROADWAY: 36'-0" face to face of guard rails.  
 LOADING: S-12-46  
 SKEW: None  
 SURF. COURSE: Bituminous  
 APPR. SLABS, AS-4-47  
 ALIGNMENT: Tangent

**ADDITIONAL BRIDGE DATA**  
 Nearest bridge 2.2 mi upstream on Toussaint Creek (County Rd.)  
 Type: Concrete beam; Span: 80'  
 Waterway area: 680 sq. ft.  
 Nearest bridge 0.8 mi upstream on Packer Creek (County Rd.)  
 Type: Concrete beam; Span: 40'  
 Waterway area: 228 sq. ft.  
 Nearest bridge 2.6 mi downstream on Toussaint River (S.R. 2, Bridge No. OT-2-109)  
 Type: Steel beam; Span: 240'  
 Waterway area: 2640 sq. ft.

**DATA ON EXISTING BRIDGE**  
 Bridge No. OT-19-83, Sta. 440+88  
 Type: Twin Thru Steel Truss on Stone Substructure.  
 Roadway: 15.1'  
 Span: 2 @ 96'  
 Condition: Poor. Ldg. H-6 (Joists) H-9 F.B.  
 To be removed.

**DATA ON EXISTING BRIDGE**  
 Bridge No. OT-19-84, Sta. 444+07  
 Type: Steel Beam on Conc. Abutments, wood deck, surface treated. Steel rails.  
 Roadway: 20'-1"  
 Span: 38'  
 Waterway opening: 275 Sq. Ft.  
 Condition: Good. Ldg. H-15  
 No work required.

Clears assumed 3 to 5 yr. H.W. 2.7'



B.M. Cross in S.W. Cor. Br. Abut.,  
13' Lt. Sta. 443+86  
El. 578.18

STATE OF OHIO  
DEPARTMENT OF HIGHWAYS  
BUREAU OF BRIDGES

**SITE PLAN**  
BRIDGE NO. OT 19 - 83  
Over Toussaint River

OTTAWA CO. S. R. 19  
SEC. OTT-19-8.04 STA. 440+80.00  
SCALE 1" = 20'

PRESENT TOPOGRAPHY	PROPOSED WORK
SURVEY'D aerial Survey	DRAWN aerial Survey
TRACED aerial Survey	DESIGN aerial Survey
	DRAWN J.N.B.
	CHECKED P.E.S.
	REVIEW'D E.T.A.

BFG WTC 10-24-52

OTTAWA COUNTY  
OTT-19-804

**GENERAL NOTES**

REFERENCE shall be made to Standard Drawings CS-1-47, revised 1-20-48; A-1-49, dated 7-27-49; and P-1-49, dated 7-27-49.

**REMOVAL OF EXISTING BRIDGE**  
Existing structure shall be removed. The 8" stringers and 15" floor beams shall be carefully dismantled and piled along the right-of-way for disposal by the State's forces. The remainder of the removed materials shall become the property of the Contractor.  
Abutments shall be removed to a minimum of 3 feet below the proposed grade. Pier shall be removed to Elev. 568.5. Suitable waste masonry may be used as dumped rock fill.

**EXCAVATION** quantity includes the removal of fill material between top of earth bench and bottom of abutment crossbeam.

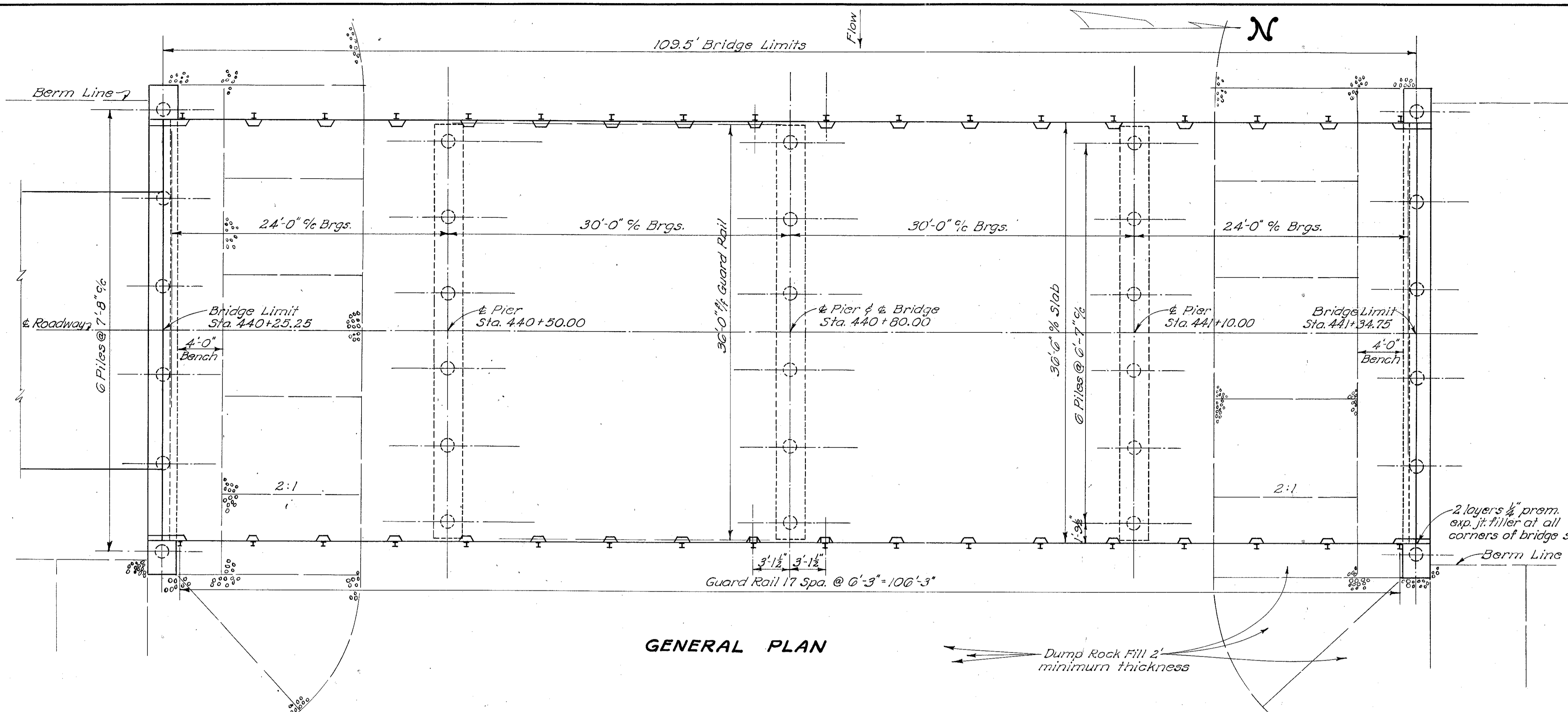
**SURFACE FINISH OF CONCRETE:** Fascia of deck slab shall receive a rubbed surface finish. All other exposed surfaces shall be governed by the provisions of Item S-1.

**BITUMINOUS SURFACE COURSE:** 2 1/2" Asphaltic concrete surface course, Item T-35, laid in two 1 1/4" courses.

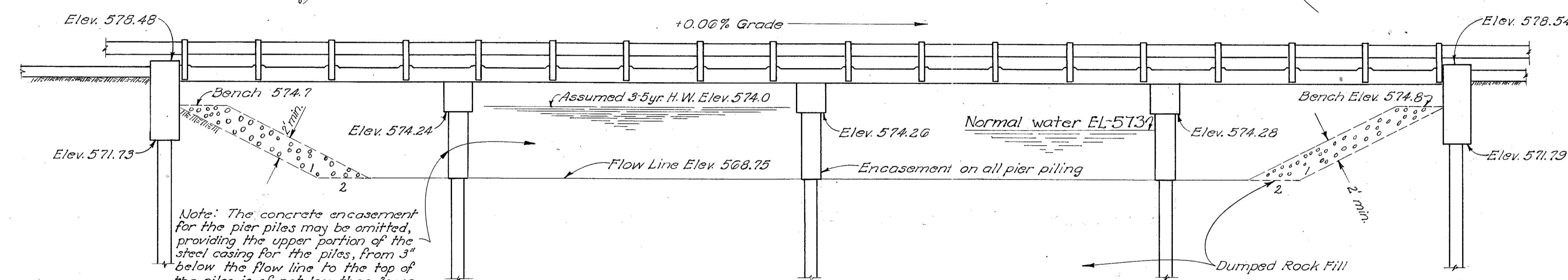
**PILING** shall be driven to a minimum bearing capacity of 23 tons for the abutments and 35 tons for the piers.

**FALSEWORK:** The Contractor's attention is directed to the close clearance between Normal water level and bottom of pier caps.

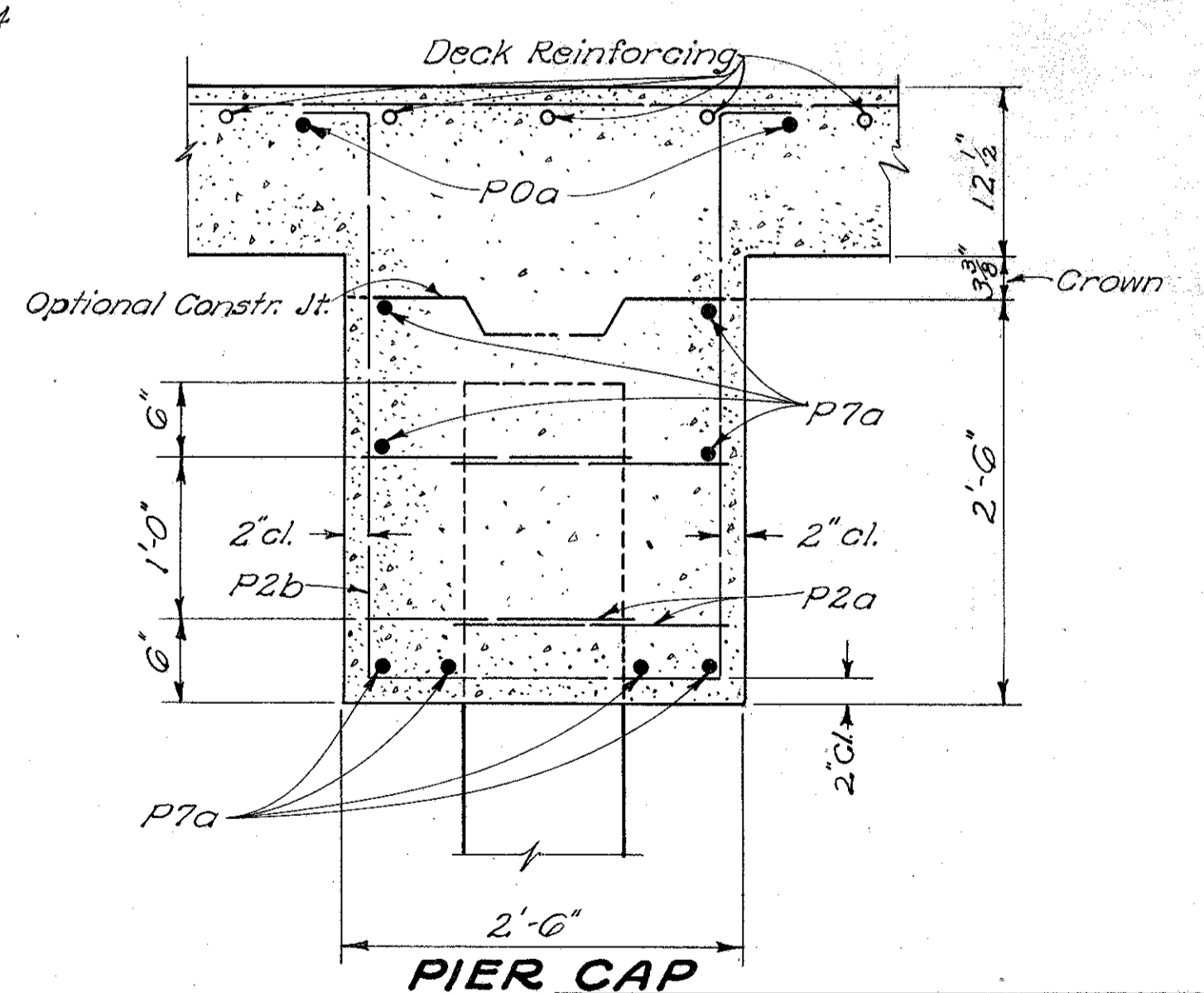
**DUMPED ROCK FILL** is included in Roadway Quantities for payment.



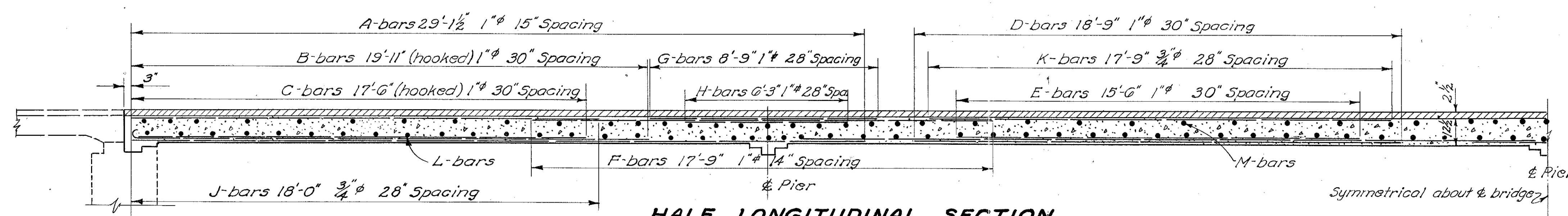
**GENERAL PLAN**



**GENERAL ELEVATION**



**PIER CAP**



**HALF LONGITUDINAL SECTION**

Note: The concrete encasement for the pier piles may be omitted, providing the upper portion of the steel casing for the piles, from 3" below the flow line to the top of the piles, is of not less than 3gauge thickness.

STATE OF OHIO  
DEPARTMENT OF HIGHWAYS  
BUREAU OF BRIDGES AND RAILROAD CROSSINGS

**GENERAL PLAN & ELEVATION,  
LONGITUDINAL SECTION,  
PIER CAP & GENERAL NOTES**  
**BRIDGE No. OT-19-83**  
OVER TOUSSAINT RIVER  
OTTAWA COUNTY  
SEC. OTT-19-804 STA. 440+80.00

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE
DIC	DIC	J.D.J.	P.A.B.	BFG	10-24-52