

FED. RD. DIVISION	STATE	PROJECT	FISCAL YEAR
2	OHIO		1947

12
15

TRUMBULL COUNTY
SEC. TRU-7-19.93
3 1/2 mi. South of Kinsman.

SOUNDING NOTE

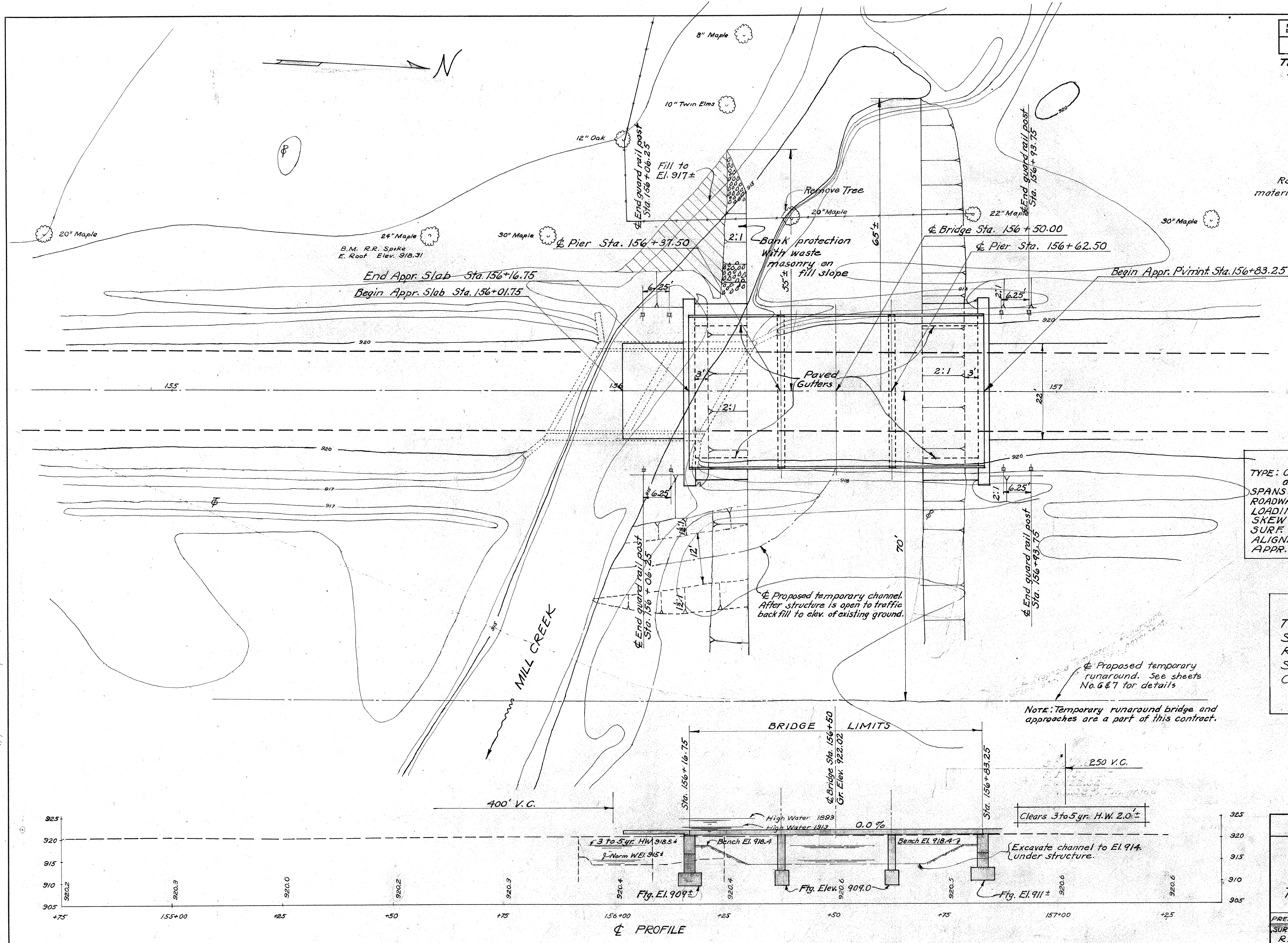
Rod Soundings indicate foundation material suitable for footings without piling.

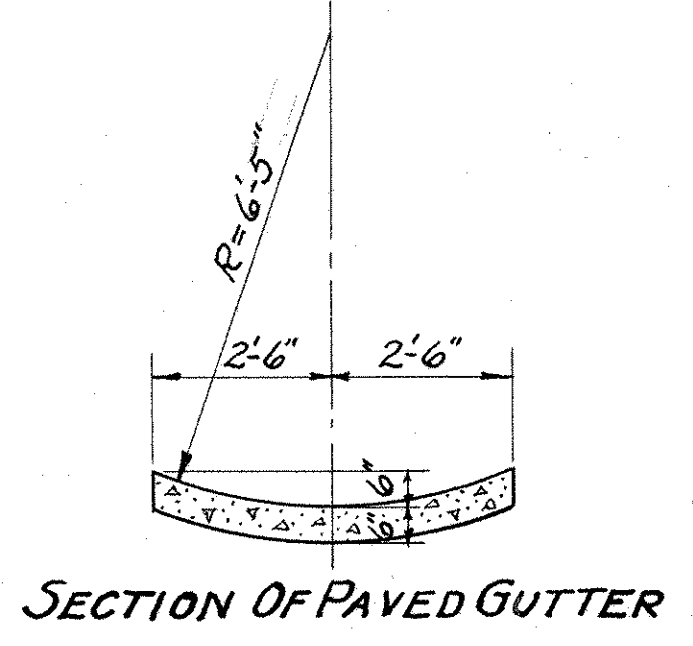
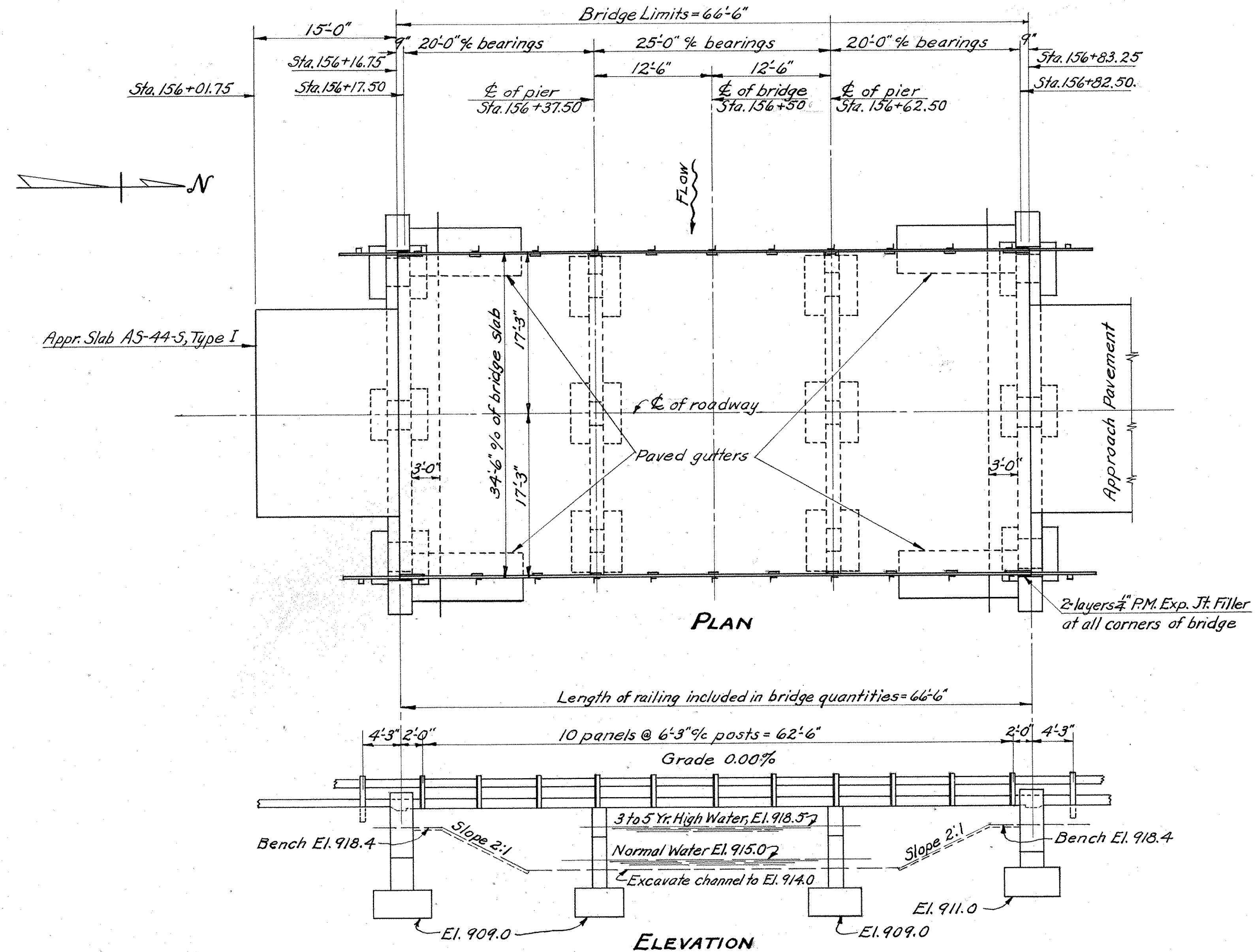
PROPOSED STRUCTURE
TYPE: Continuous concrete slab on reinf. conc. abutments, and reinf. conc. piers.
SPANS: 20'-25'-20' c/c Bearings.
ROADWAY: 34 ft. 1/4 guard rails.
LOADING: S-15-46
SKEW: None.
SURF COURSE: Bituminous.
ALIGNMENT: Tangent.
APPR. SLAB: 15' long (AS-44-5, type I) rear only.

EXISTING BRIDGE
(To be removed)
TYPE: Concrete slab
SPAN: 2 @ 16'-6"
ROADWAY: 19'-4" - LOADING: H-12
SKEW: 30° L.F.
CONDITION: Substructure: poor
Superstructure: poor

DRAINAGE AREA: 6.2 Sq. Mi.

STATE OF OHIO DEPARTMENT OF HIGHWAYS BUREAU OF BRIDGES				
SITE PLAN				
BR. N° TR 7-200				
OVER MILL CREEK				
Sta. 156+50.00				
TRUMBULL Co. SEC. TRU-7-19.93				
SCALE 1"=10' APRIL 1947				
PRESENT TOPOGRAPHY		PROPOSED WORK		
SURVEYED	DRAWN	DESIGN	DRAWN	CHECK
R.O.W.	B.J.L.	J.P.P.	J.P.P.	J.P.P.





MARK	SIZE	No.	LENGTH	WEIGHT	SHAPE	BENDING DIAGRAM
ABUTMENTS						
A6a	7/8"	36	23'-3"	1711	B	
A5a	3/4"	24	8'-10"	318	B	
A5b	3/4"	24	6'-10"	246	B	
A5c	3/4"	35	2'-6"	131	S	
A4a	5/8"	16	21'-10"	364	S	
A4b	5/8"	80	8'-5"	702	B	
A4c	5/8"	8	10'-11"	91	B	
A4d	5/8"	24	6'-7"	165	B	
PIERS						
P8a	1"	16	36'-4"	1976	B	
P6a	7/8"	48	10'-6"	1030	B	
P4a	5/8"	60	4'-8"	292	B	
P4b	5/8"	130	5'-8"	768	B	
P4c	5/8"	4	34'-0"	142	S	
SUPERSTRUCTURE						
A	7/8"	105	24'-0"	5151	S	
B	7/8"	36	17'-9"	1306	B	
C	7/8"	36	15'-9"	1159	B	
D	7/8"	18	16'-0"	589	S	
E	7/8"	18	12'-0"	442	S	
F	1"	70	14'-6"	2710	S	
G	1"	36	7'-6"	721	S	
H	1"	36	6'-0"	577	S	
J	3/4"	36	15'-3"	825	S	
K	3/4"	18	16'-6"	446	S	
L	3/4"	62	34'-0"	3166	S	
M	3/4"	47	34'-0"	2400	S	
REPLACEMENT						
R8	1"	1	7'-4"	25	S	
R7	1"	1	7'-4"	20	S	
R6	7/8"	1	6'-11"	14	S	
R5	3/4"	1	6'-6"	10	S	
R4	5/8"	1	6'-1"	6	S	

ESTIMATED QUANTITIES						
Item	Total	Unit	Description	Abuts.	Piers	As Built
E-2	Lump	Sum	Cofferdams, Girds and Sheeting			Lump
E-2	222	Cu. yd.	Excavation for Structures, unclassified	151	71	168 (1)
E-3	2395	Cu. yd.	Channel Excavation			2395 1937 (1)
S-1	46	Cu. yd.	Concrete, Class "E" footings	22	24	
S-1	16	Cu. yd.	Concrete, Class "C" pier walls		16	
S-1	45	Cu. yd.	Concrete, Class "E" abutment caps & pedestals	45		
S-1	84	Cu. yd.	Concrete, Class "C" Superstructure		84	
S-3	5	Sq. yd.	Waterproofing, Type "B"	5		7.8 (1)
S-3	255	Sq. yd.	Waterproofing, Type "C"		255	
S-4	27,503	Lb.	Reinforcing steel	3,728	4,208	75
S-9	10.4	Sq. ft.	1/4" Premolded Expansion Joint Filler	10.4		
S-14	133	Lin. ft.	Railing (Steel, Type I-15.13)		133	
S-15	Lump	Sum	Temporary Run-Around Road and Bridge			Lump
S-24	Lump	Sum	Removal of existing structure			Lump
I-14	56	Lin. ft.	Paved gutter (Concrete)			56
T-35	18	Cu. yd.	Asphaltic concrete surface course, Type same as approaches.		18	

GENERAL NOTES

REFERENCE shall be made to Standard Drawings CS-1-46, revised 9-4-46, and AS-44-S, revised 4-2-45.

TEMPORARY RUN-AROUND ROAD AND BRIDGE are included in this contract. Pavement Quantities for the Run-Around Road are included in Roadway Quantities, see sheet No.5

REMOVAL OF EXISTING BRIDGE :- Existing superstructure and substructure shall be removed. Suitable portions may be used as bank protection or disposed of as directed by the Engineer.

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

REINFORCING STEEL:- Unless otherwise shown, all bars shall be fabricated with dimensions in accordance with the proposed Manual of Standard Practice, American Concrete Institute, 1946, except that a tolerance will be permitted in the diameter of bends equal to the diameter of the bar. No weight allowance will be made for tolerances.

PEDESTAL ABUTMENTS:- After pedestals are placed, all earth fill shall be made full height of earth bench, and excavation made for cross-beam. If bottom forms for cross-beam are used they shall be left in place.

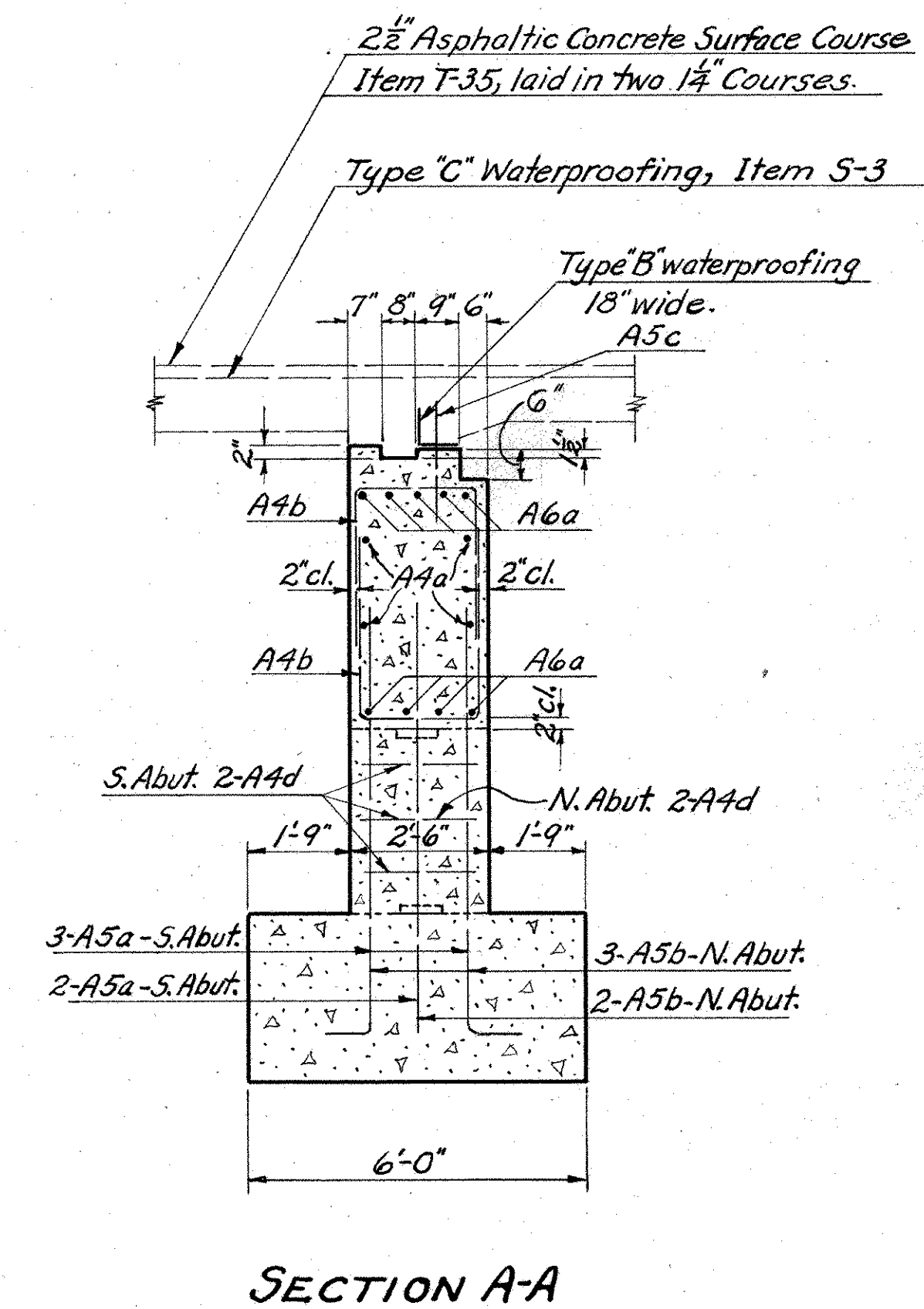
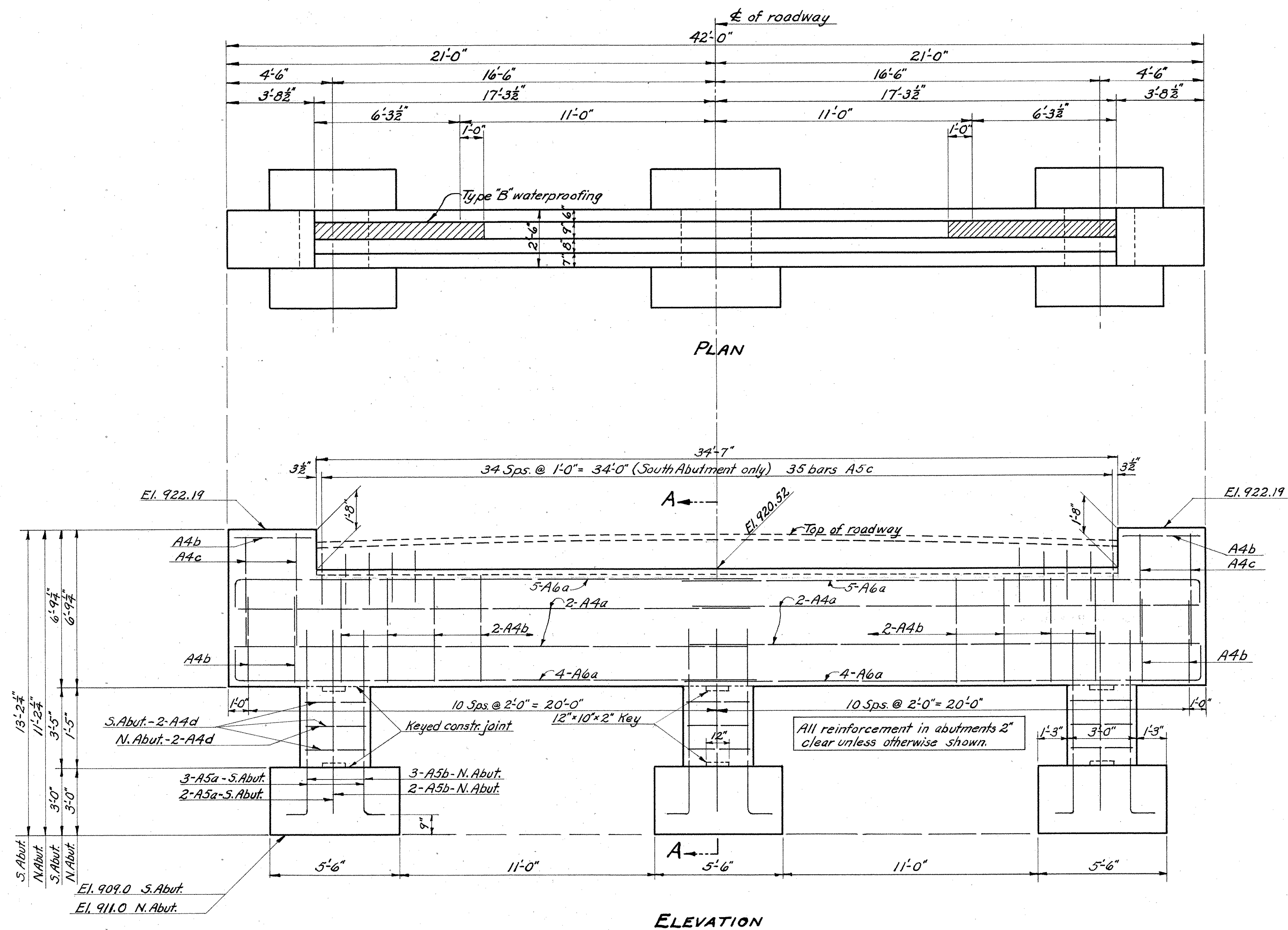
CROWN :- Bridge deck shall be crowned as shown on "Standard Bridge Crown" detail, on Std. Dwg. CS-1-46, using 7/16" per foot outer slopes.

STATE OF OHIO
DEPARTMENT OF HIGHWAYS
BUREAU OF BRIDGES

GENERAL PLAN AND ELEVATION - NOTES
ESTIMATED QUANTITIES - STEEL LIST
BRIDGE No. TR-7-200
OVER MILL CREEK
TRUMBULL COUNTY SEC. TRU-7-19.93
STA. 156+50.00

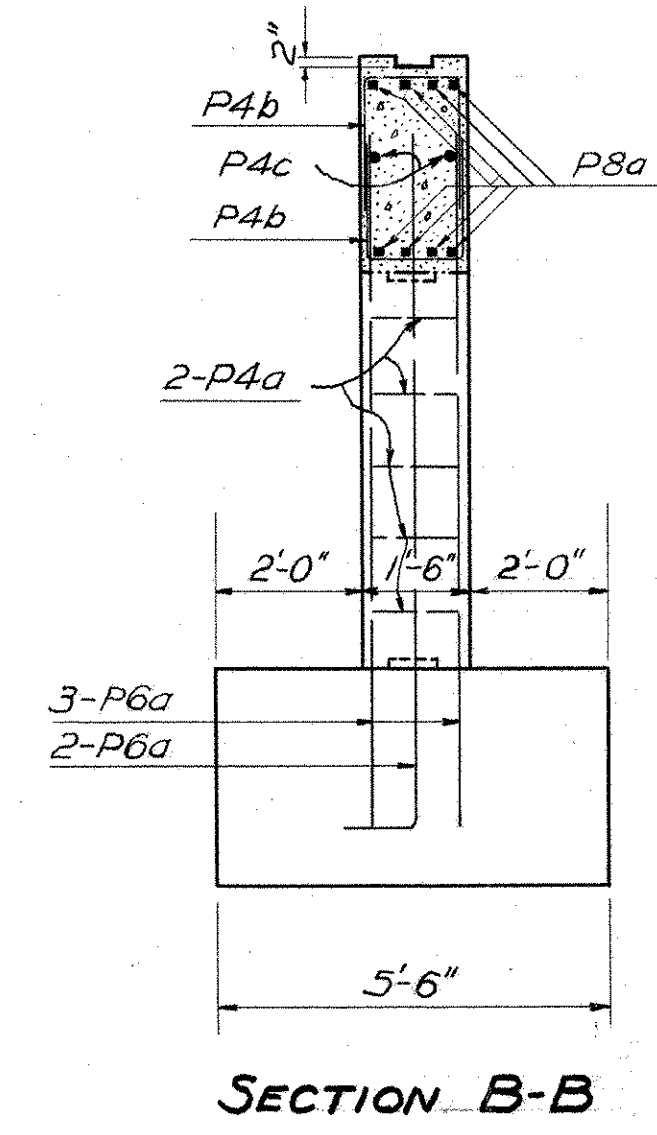
DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
M.J.I.	M.J.I.	J.W.	W.A.K.	D.P.	8/14/47	

TRUMBULL COUNTY
S. H. SEC. TRU-7-19.93





TRUMBULL COUNTY
S. H. SEC. TRU-7-19.93



STATE OF OHIO DEPARTMENT OF HIGHWAYS BUREAU OF BRIDGES					
DETAILS OF PIERS BRIDGE No. TR-7-200 OVER MILL CREEK TRUMBULL COUNTY SEC. TRU-7-19.93 STA. 156 + 50.0					
DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE
W.S.S.	W.S.S.	SWP	WAX	SPS	04/48