

INDEX OF SHEETS		
SHEET NO.	TITLE	PAGE
1	PLAN AND PROFILE	
2	SUPERSTRUCTURE DETAILS	
3-4	ABUTMENT DETAILS	
5	PIER DETAILS	

FED. ROAD DIST. NO.	STATE	F.R.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
9	VT.	52B	1928	1	

STATE OF VERMONT  
STATE HIGHWAY DEPARTMENT

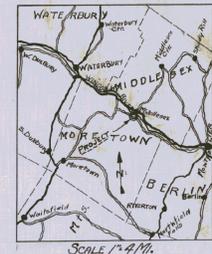
PLAN AND PROFILE OF PROPOSED  
STATE HIGHWAY

FEDERAL AID PROJECT

MIDDLESEX-MORETOWN

VILLAGE BRIDGE OVER WINOOSKI RIVER-NO.167

LOCATED IN VILLAGE OF MIDDLESEX  
LENGTH 229.08 FEET 0.043 MILES



SCALES  
Plan 1" = 20 Feet  
Vertical 1" = 20'  
Horizontal 1" = 20 Feet  
Sections 1" = 5'

THIS PROJECT TO BE CONSTRUCTED IN ACCORDANCE WITH STANDARD SPECIFICATIONS ON FILE WITH THE U.S. BUREAU OF PUBLIC ROADS. APPROVED 7/24/28.

STRUCTURES ON THIS PROJECT TO BE CONSTRUCTED IN ACCORDANCE WITH DETAILS GIVEN ON STANDARD STRUCTURE SHEETS, SLR163 3/7-10-19.

F.R.P. 52B

DIST. NO. 9  
BRIDGE NO. 167  
MIDDLESEX-MORETOWN

APPROVED: APRIL 7 1928

*H. E. Sargent*  
CHIEF ENGINEER

SUBMITTED BY ORDER OF THE STATE HIGHWAY BOARD

*S. B. Bates*  
COMMISSIONER OF HIGHWAYS

RECOMMENDED \_\_\_\_\_  
DISTRICT ENGINEER BUREAU OF PUBLIC ROADS  
RECOMMENDED FOR APPROVAL \_\_\_\_\_  
CHIEF ENGINEER BUREAU OF PUBLIC ROADS  
APPROVED \_\_\_\_\_  
DIRECTOR BUREAU OF PUBLIC ROADS

CONVENTIONAL SIGNS

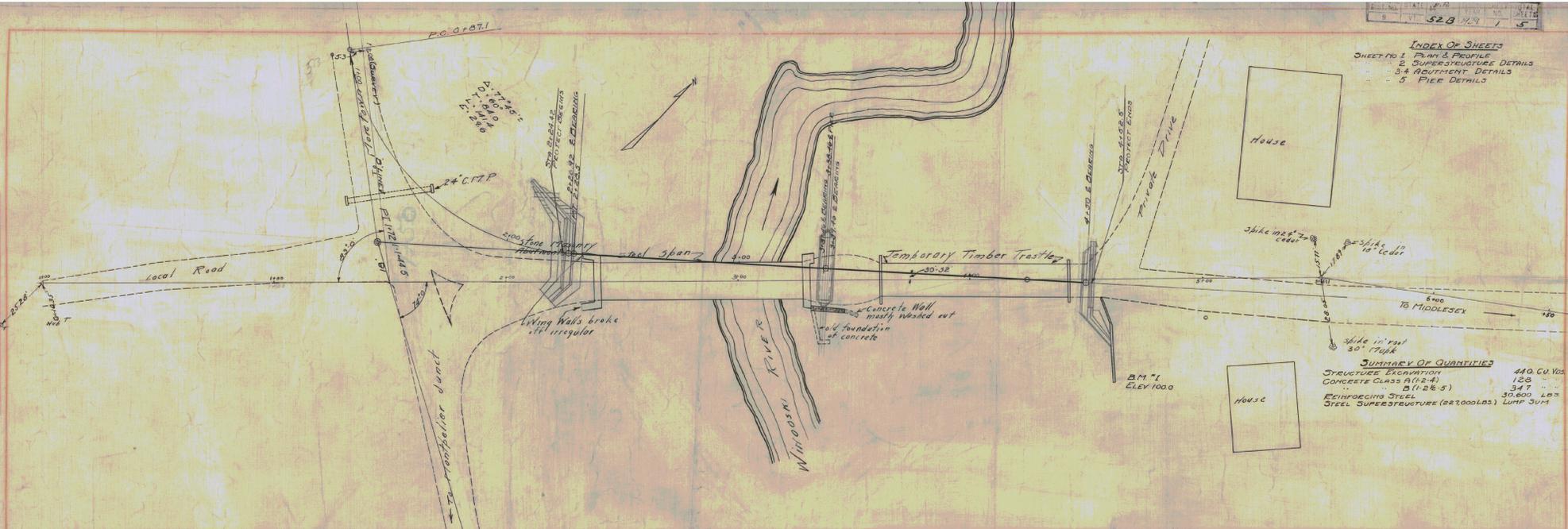
COUNTY LINE	GROUND ELEVATION	DATUM	LINE
TOWN LINE	GRADE ELEVATION	DATUM	LINE
FENCE LINE			
STONE WALL			
UNFENCED PROPERTY			
GUARD RAIL			
TRAVELED WAY			
RAILROAD			
RETAINING WALL			
CENTER LINE			
SURVEY LINE			
CULVERT			
DROP INLET			
TROLLEY POLE			
POWER POLE			
TELEPHONE POLE			
TREES			
HEDGE			

CURVE DATA	
DEFLECTION ANGLE	Δ
DEGREE OF CURVE	D
LENGTH OF CURVE	L
RADIUS OF CURVE	R
TANGENT DISTANCE	T
EXTERNAL DISTANCE	E
POINT OF INTERSECTION	P. I.
POINT OF CURVE	P. C.
POINT OF TANGENT	P. T.
POINT ON TANGENT	P. O. T.

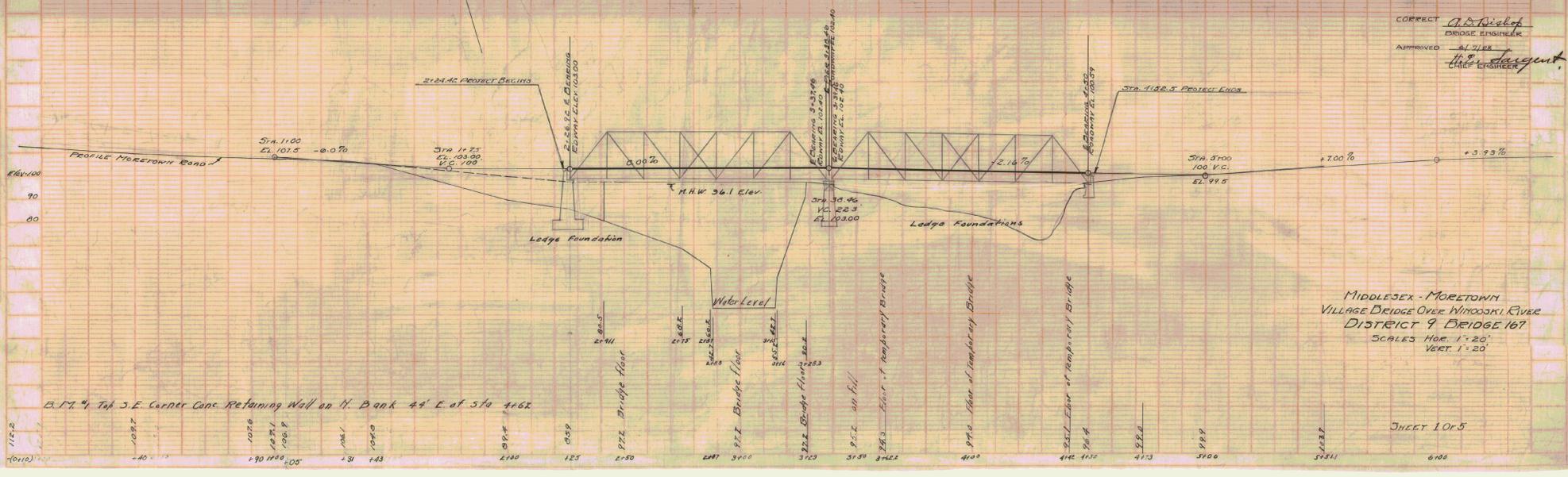
**INDEX OF SHEETS**

SHEET NO. 1	PLAN & PROFILE
2	SUBSTRUCTURE DETAILS
3-4	ABUTMENT DETAILS
5	PIECE DETAILS



**SUMMARY OF QUANTITIES**

STRUCTURE EXCAVATION	440 CU YDS
CONCRETE CLASS A (124)	153
B (128-5)	347
REINFORCING STEEL	30,600 LBS
STEEL SUPERSTRUCTURE (227000LBS)	LUMP SUM



CORRECT A. S. Bishop  
 BRIDGE ENGINEER  
 APPROVED H. G. Sargent  
 CHIEF ENGINEER

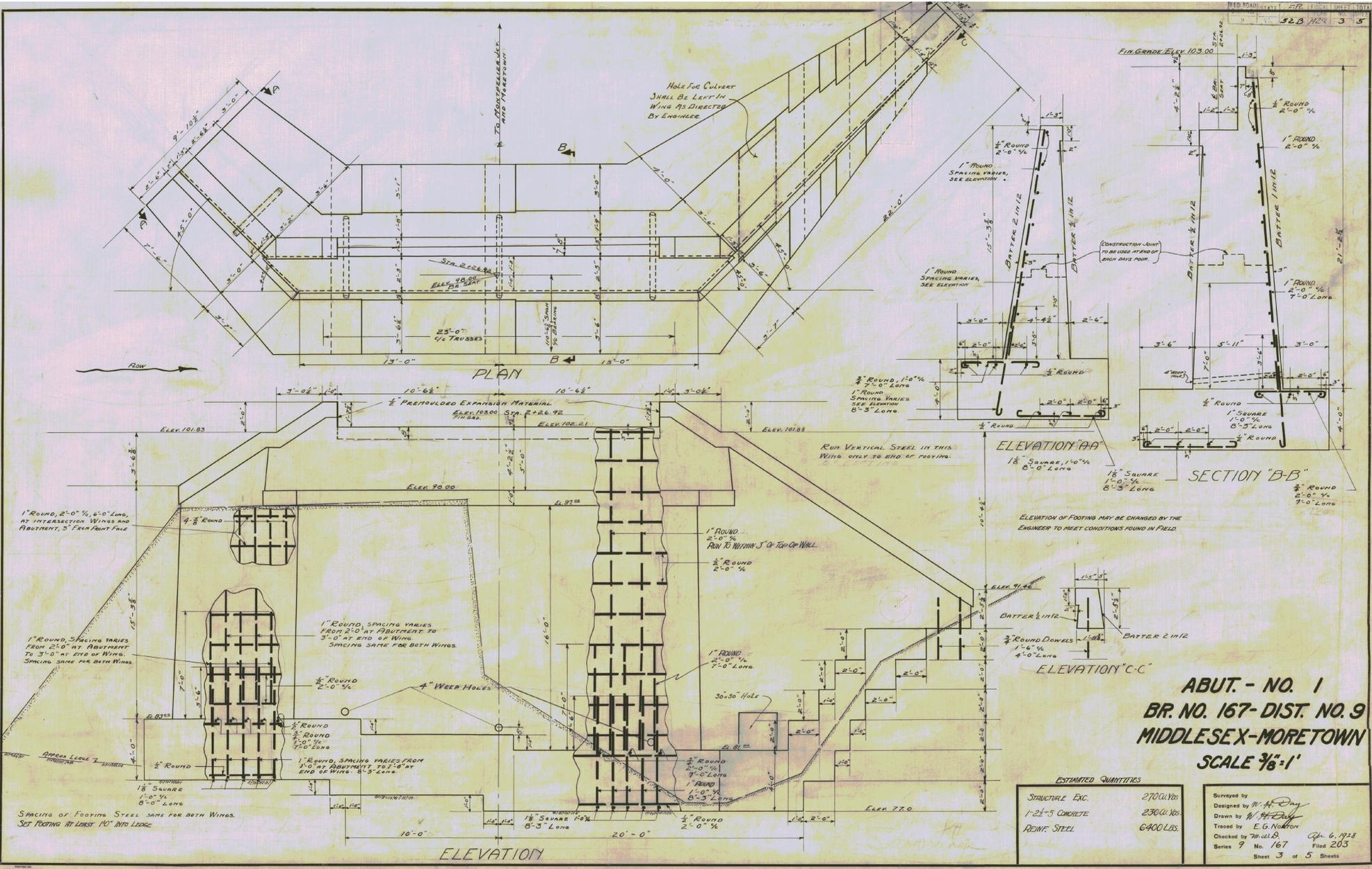
MIDDLESEX - MORETOWN  
 VILLAGE BRIDGE OVER WILLIMOTT RIVER  
 DISTRICT 9 BRIDGE 167  
 SCALES HOR. 1" = 20'  
 VERT. 1" = 20'

SHEET 10 OF 5

PLAN  
 DATE 1/23/23  
 DRAWN BY [illegible]  
 CHECKED BY [illegible]

PROFILE  
 DATE 1/23/23  
 DRAWN BY [illegible]  
 CHECKED BY [illegible]

B. 17' 4" Top S.E. Corner Cons. Retaining Wall on N. Bank 44' E. of Sta. 1146.2



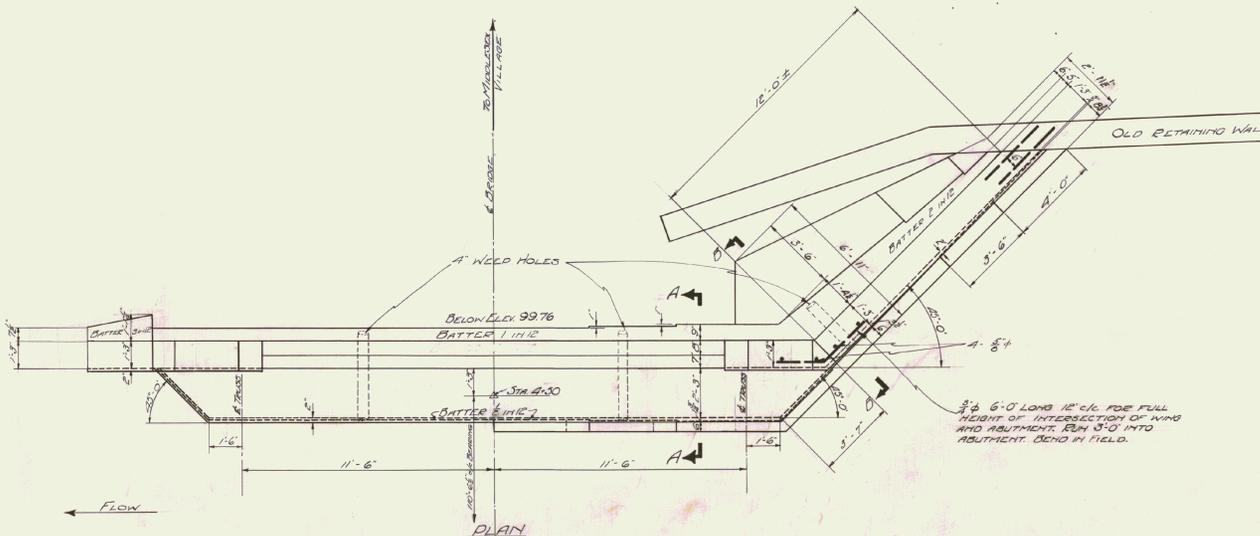
**ABUT. - NO. 1**  
**BR. NO. 167-DIST. NO. 9**  
**MIDDLESEX-MORETOWN**  
**SCALE 3/8"=1'**

ESTIMATED QUANTITIES

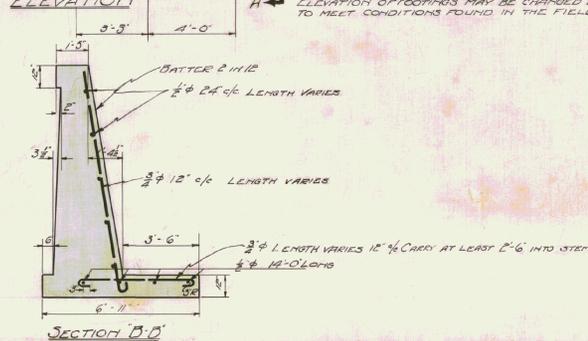
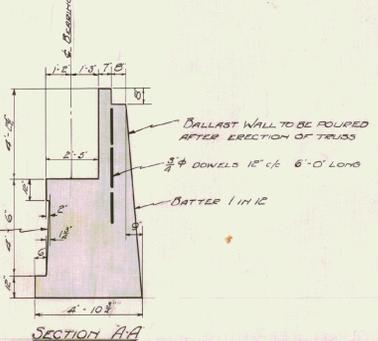
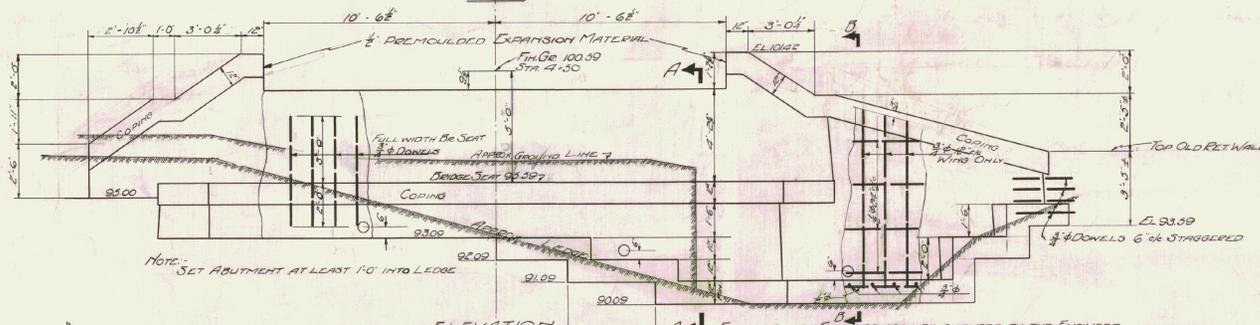
STRUCTURAL CONC.	2700 Cu Yds
1-2 1/2 CONCRETE	2300 Cu Yds
REINF. STEEL	6400 LBS.

Surveyed by  
 Designed by *M. A. Day*  
 Drawn by *W. A. Day*  
 Traced by *E. G. Norton*  
 Checked by *M. W. B.*  
 Series 9 No. 167  
 Jan. 6, 1928  
 Filed 203  
 Sheet 3 of 5 Sheets

ED. ROAD DISTRICT	1-1-12	FISCAL YEAR	NO.	TOTAL SHEETS	TOTAL SHEETS
520	1023	4	5		



COST OF DRILLING HOLES FOR DONNELS SHALL BE INCLUDED IN UNIT PRICE BID FOR CLASS B CONCRETE.



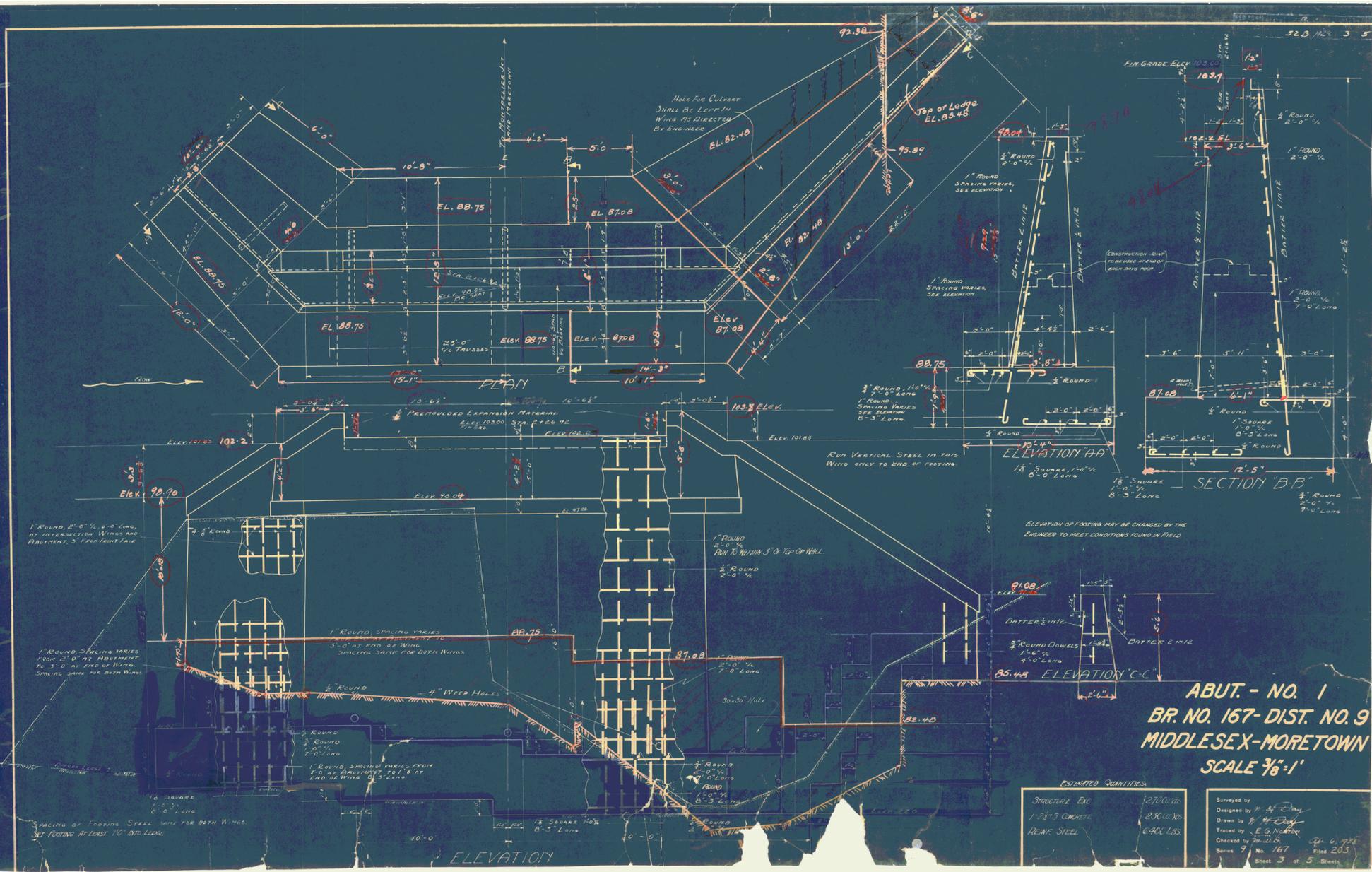
ABUTMENT NO. 2  
BRIDGE 167-203 DISTRICT 9  
MIDDLESEX - MORETOWN  
SCALE 3/8" = 1'-0"

ESTIMATED QUANTITIES	
STATIC EXCAV.	30 CU YD
1-2-5 CONCRETE	32 "
REIN. STEEL	700 LBS.

Surveyed by P.K. SCHULLER  
Designed by D.W.  
Drawn by D.W.  
Traced by D.W.  
Checked by M.W.D. 4-6-28  
Series 9 No. 167 File 203  
Sheet 4 of 5 Sheets



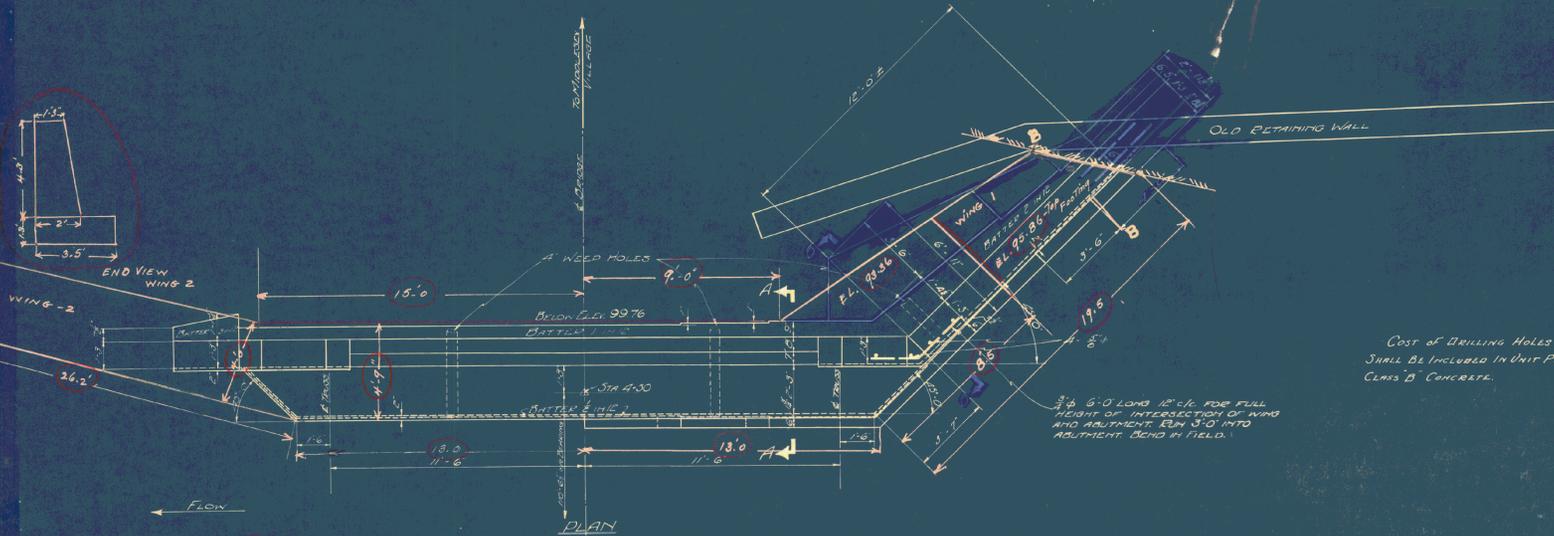




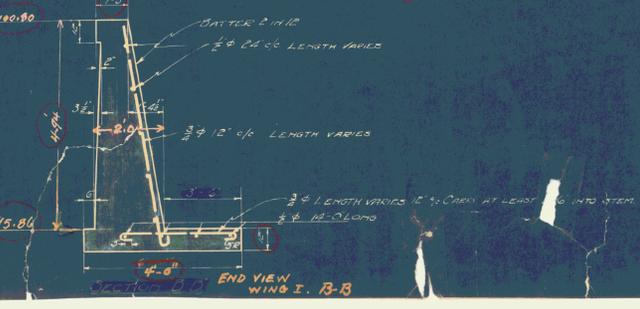
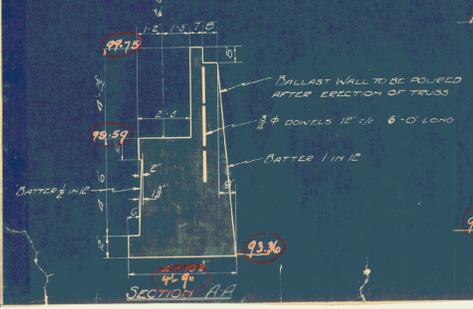
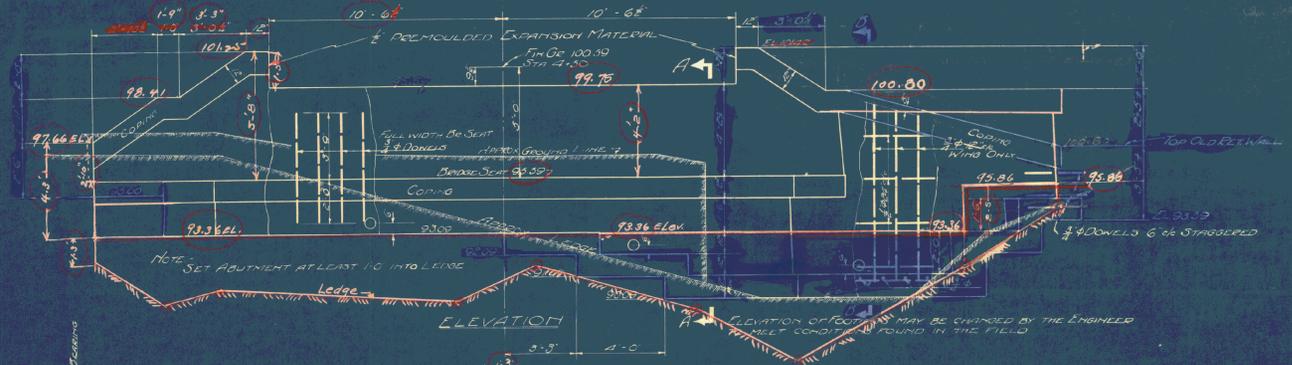
**ABUT. - NO. 1  
BR. NO. 167 - DIST. NO. 9  
MIDDLESEX-MORETOWN  
SCALE 3/8"=1"**

ESTIMATED QUANTITIES	
STRUCTURE ENG.	12700.10
1-2 1/2 CONCRETE	2300.00
PAINT STEEL	6400.00

Surveyed by: M. J. Dwyer  
 Drawn by: J. E. Dwyer  
 Traced by: E. G. Noyes  
 Checked by: J. E. Dwyer  
 Scale: 3/8" = 1"  
 Sheet 3 of 5 Sheets



COST OF DRILLING HOLES FOR DOWELS SHALL BE INCLUDED IN UNIT PRICE BID FOR CLASS 'B' CONCRETE.

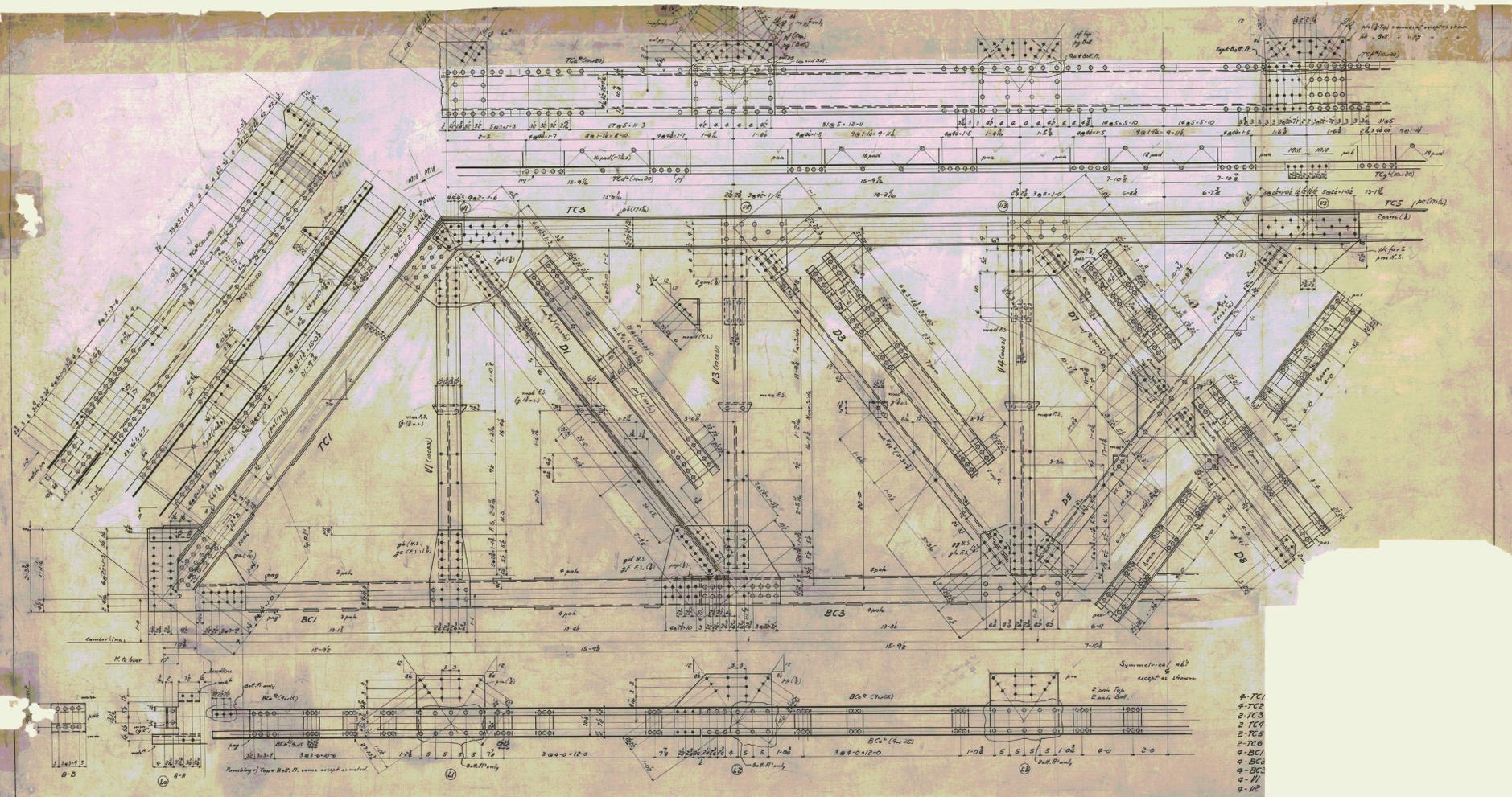


ABUTMENT NO. 2  
BRIDGE 167-203 DISTRICT 9  
MIDDLESEX - MORETOWN  
SCALE 3/8" = 1'-0"

ESTIMATED QUANTITIES	
STEEL CONC.	30 CU YD
1-2-3 CONCRETE	32
REIN. STEEL	700 LBS

Surveyed by P.C. SCHLES  
Designed by D.W.  
Drawn by D.W.  
Traced by D.W.  
Checked by M.W.D. 4-6-21  
Series 9 No. 167 Filed 203  
Sheet 4 of 5 Sheets





- 2-TC1
- 2-TC2
- 2-TC3
- 2-TC4
- 2-TC5
- 2-TC6
- 4-BC1
- 4-BC2
- 4-B1
- 4-B2

SA	RA	THE
Temp	Struct.	
Date		Drawn
Revised		Checked

Note: See Bill of Material See Sheet 3 B

