

FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR
10	OHIO		1933

S. H. 281 Sec. T-2, F & U Bridges Sandusky County

STATE OF OHIO DEPARTMENT OF HIGHWAYS FREMONT ~ CASTALIA ROAD SANDUSKY COUNTY

S. H. No. 281 SEC'S. T-2, F & U - BRIDGES

BUREAU OF CONSTRUCTION
FIVE SMALL STRUCTURES

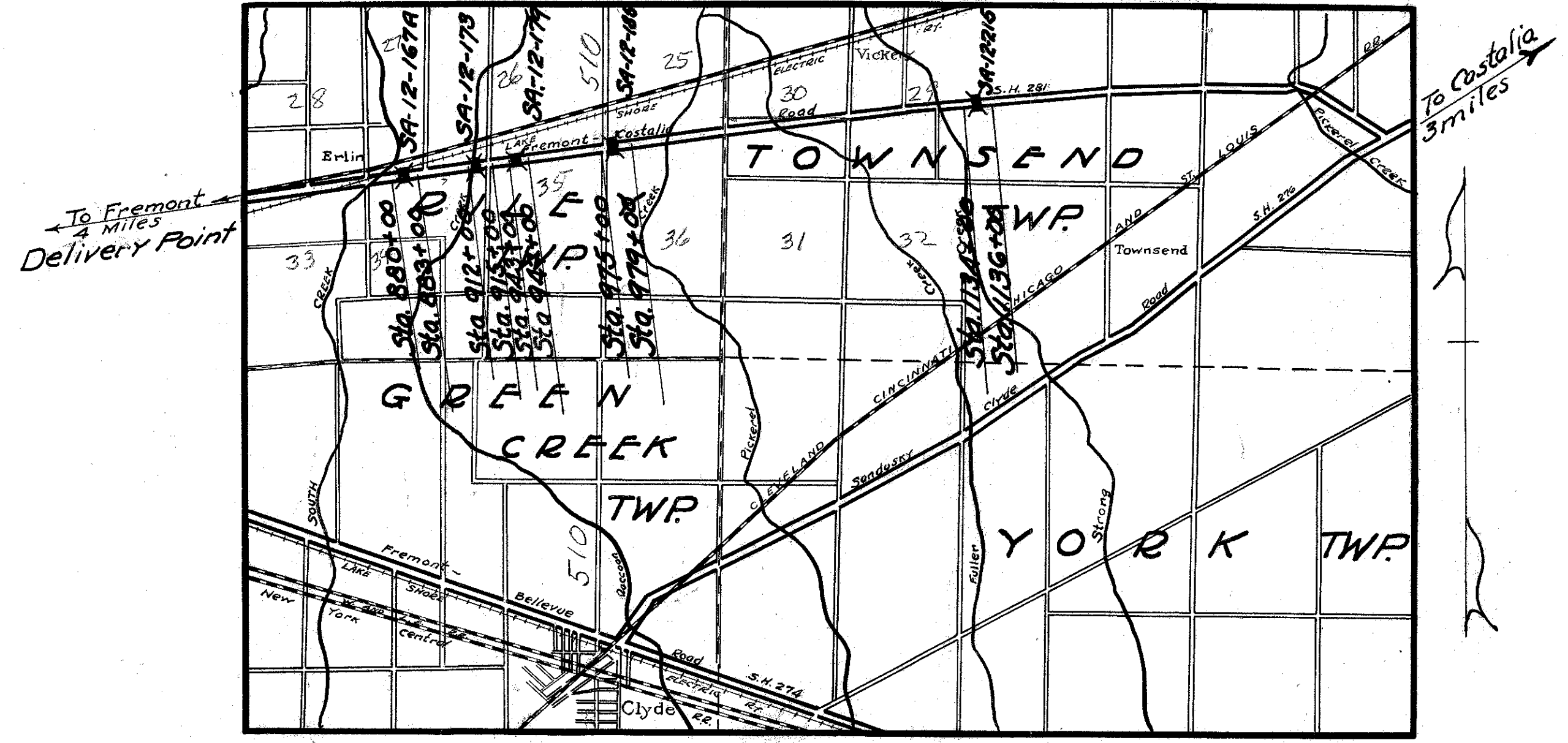
No	SA-12-167A	NET LENGTH	300 LIN. FEET
2	SA-12-173	" "	300 LIN. FEET
3	SA-12-179	" "	400 LIN. FEET
4	SA-12-185	" "	400 LIN. FEET
5	SA-12-215	" "	200 LIN. FEET

CONVENTIONAL SIGNS

- State Line -----
- County Line -----
- Township Line -----
- Section Line -----
- Property Line -----
- Center Line -----
- City or Village Line -----
- Telegraph & Telephone -----
- Steam railroad -----
- Electric Line -----
- Guard rail -----
- Drain pipe - new -----
- Drain pipe - old -----

INDEX OF SHEETS

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1	Title Page
2	Typical Sections
2	Intersection Details & Notes
2	Plan & Profile
6 & 7	Curve Tables
3-4 & 5	Cross Sections
5	Structure Details
	Summary of Quantities

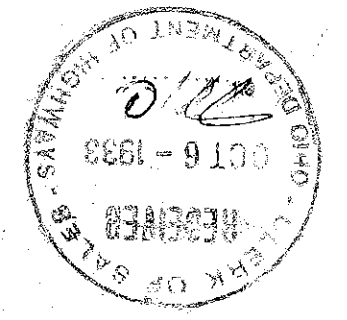


1769, 1820, 1880, 1941, 2240
LOCATION PLAN
 SCALE OF MILES

BRIDGES TO BE IMPROVED SHOWN THUS
 STATE HIGHWAYS
 IMPROVED COUNTY ROADS

SCALES
 Plan 1" = 100'
 Profile Vertical 1" = 10'
 Profile Horizontal 1" = 100'
 Cross Sections 1" = 5'

Supplemental Prints of Standard Drawings No. S-27-PC. 1+2; 3C-A; BT-50-60



CHECKING RECORD		
OFFICE	BY	DATE
RESIDENT DIVISION		
CENTRAL CONST.	WRU	9-29-33
CENTRAL BRIDGES		
BUR. OF PUBLIC ROADS		

The Standard Specifications of the State of Ohio Department of Highways in force on date of Contract will govern this improvement.
 I hereby approve these plans and declare that the making of this improvement will not require that the highway will be closed to traffic and that traffic will be maintained as provided for by the plans and estimates. The necessary right of way has been provided.

Approved Geo. W. Fisher
 Date 9-9-33 Resident District Deputy Director

Approved R. J. Nicksa
 Date 9-15-33 Resident Division Deputy Director

Approved Edna J. Sully
 Date 10-19-33 Chief Engineer Bureau of Construction

Approved Charles E. ...
 Date 10-14-33 Chief Engineer Bureau of Maintenance

Approved ...
 Date ... Chief Engineer Bureau of Bridges

Approved H. P. Chapman
 Date ... Chief Engineer and Assistant Director

Approved W. W. Merrill
 Date ... Director of Highways

Recommended for Approval ...
 Date ... District Engineer Bureau of Public Roads

Recommended for Approval ...
 Date ... Chief Engineer Bureau of Public Roads

Approved ...
 Date ... Chief of Bureau

APPROVED	
<u>W. W. Merrill</u>	<u>9/27/33</u>
Planning Engineer	Date
Remarks: M & R Funds (Division's Budget) to be used	

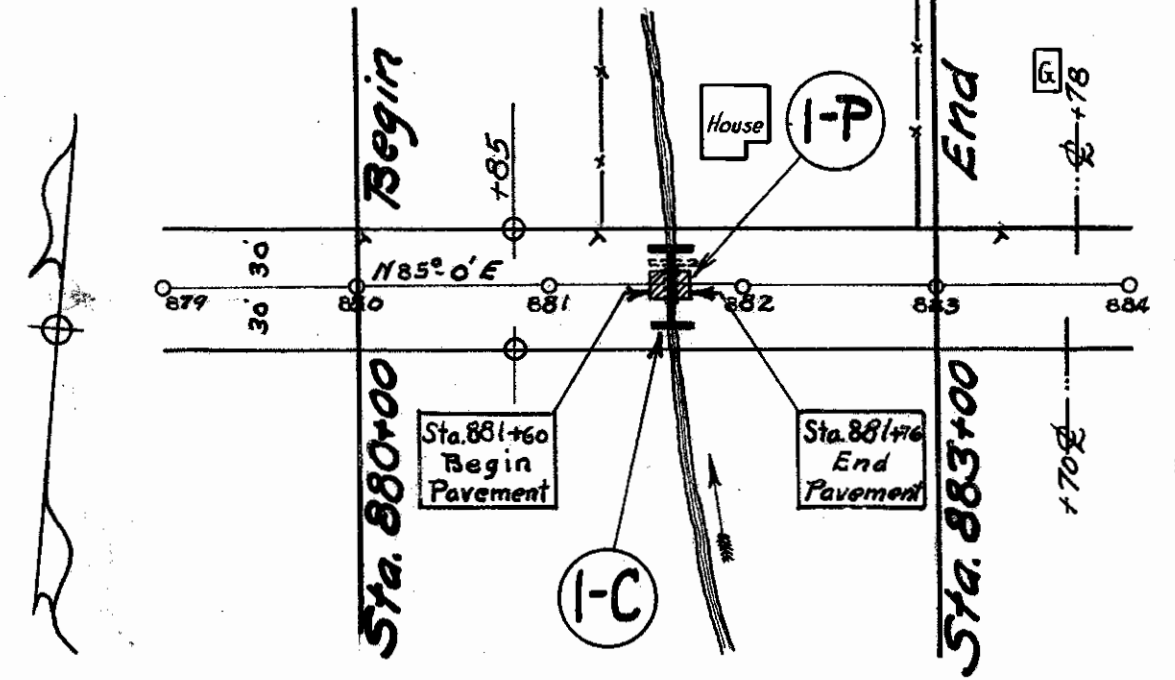
Brig. Nos.
 SA-12-167A
 SA-12-173
 SA-12-179
 SA-12-185
 SA-12-215

FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	(2) 7
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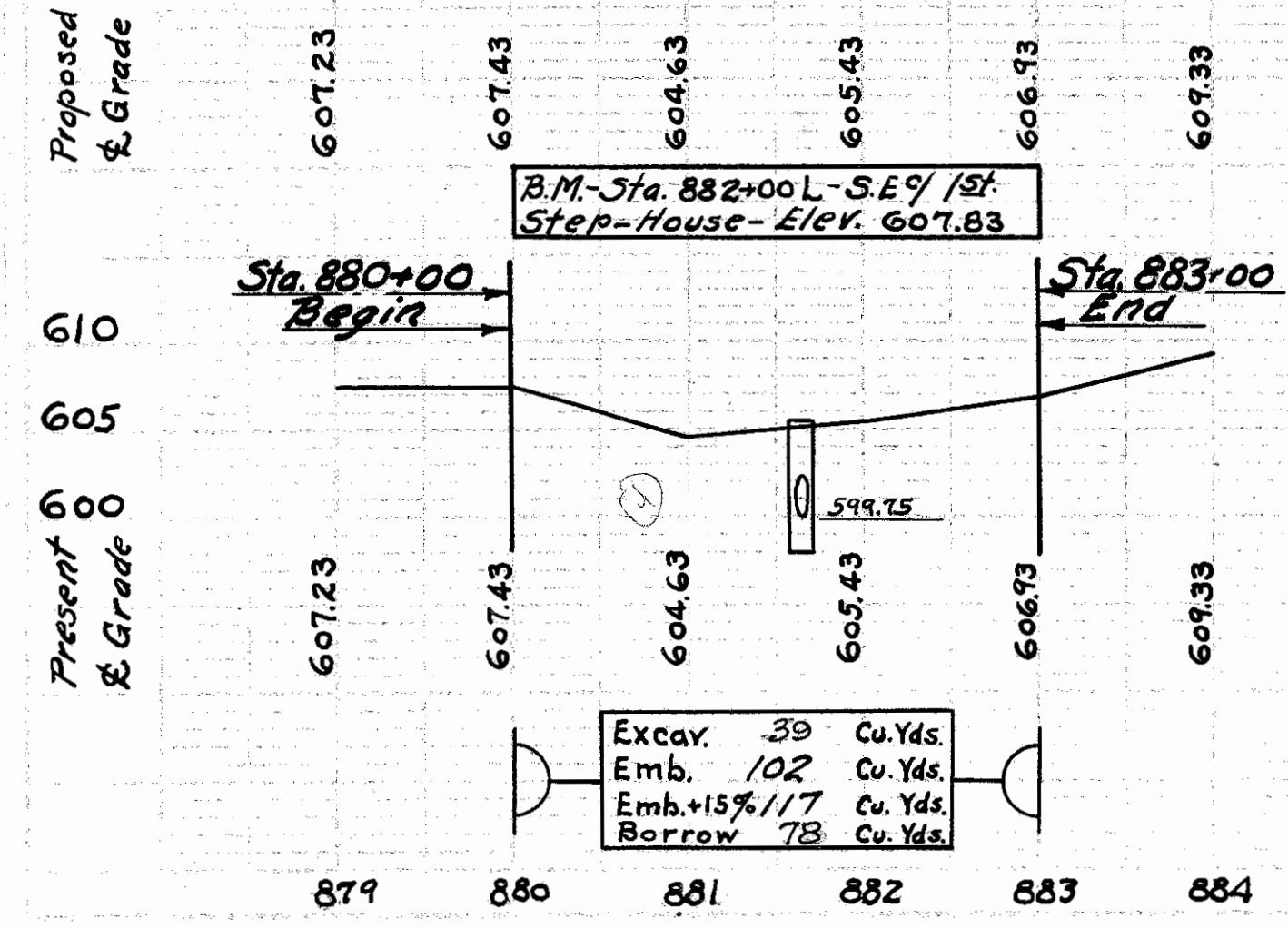
S.H. 281 Sec's T-2, F & U Bridges Sandusky County

BRIDGE NO. SA-12-167-A

STA. 881+68

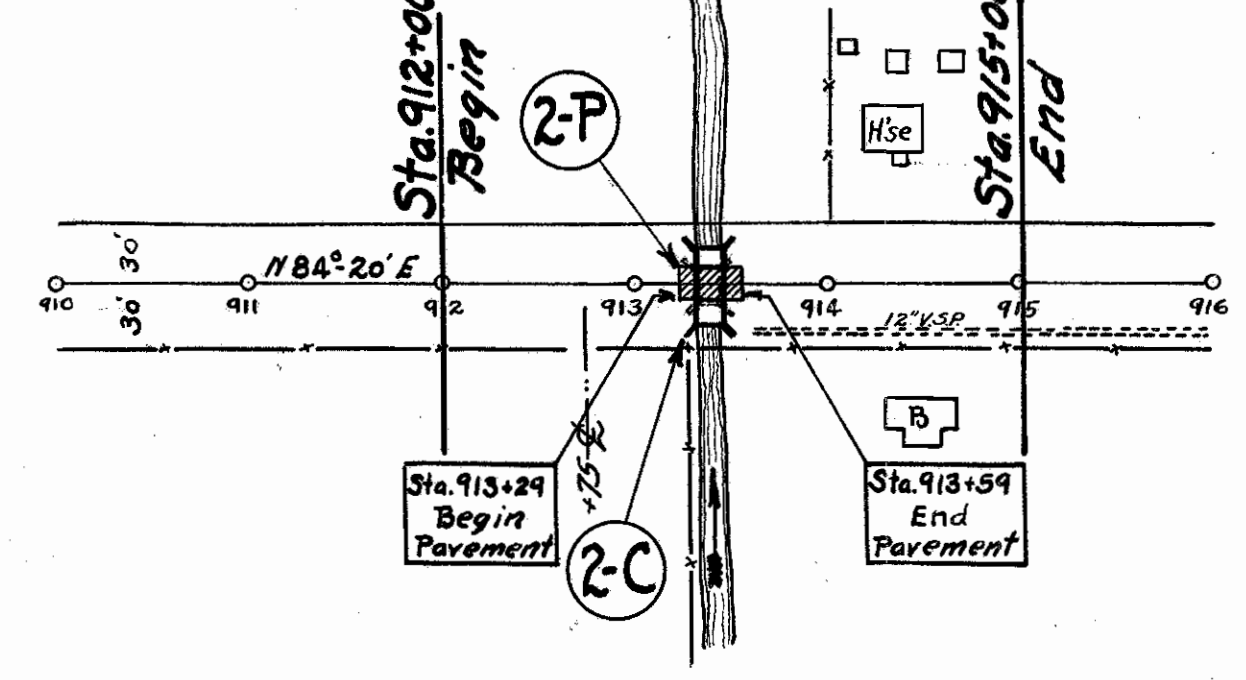


STRUCTURE NO 1

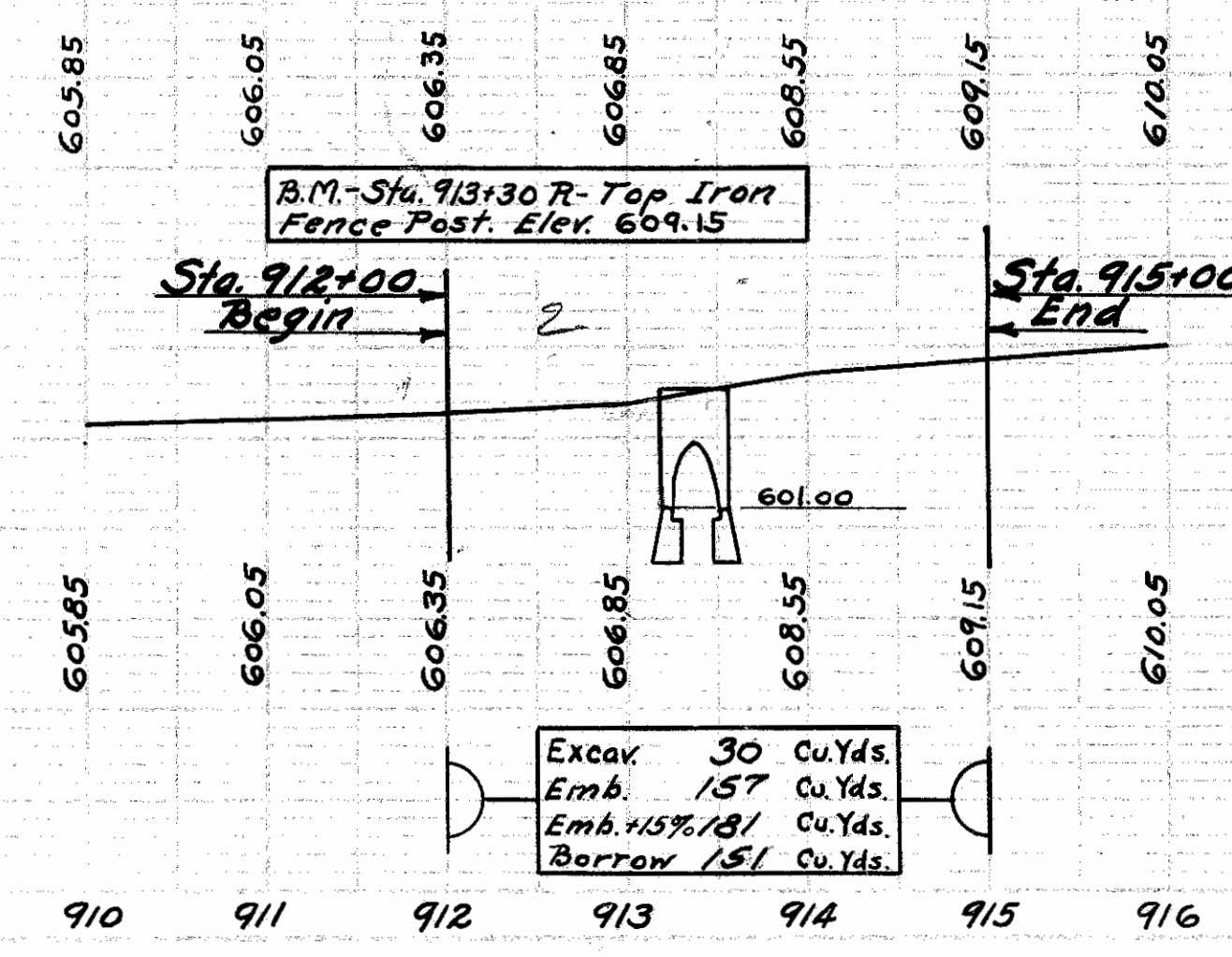


BRIDGE NO. SA-12-173

STA. 913+44

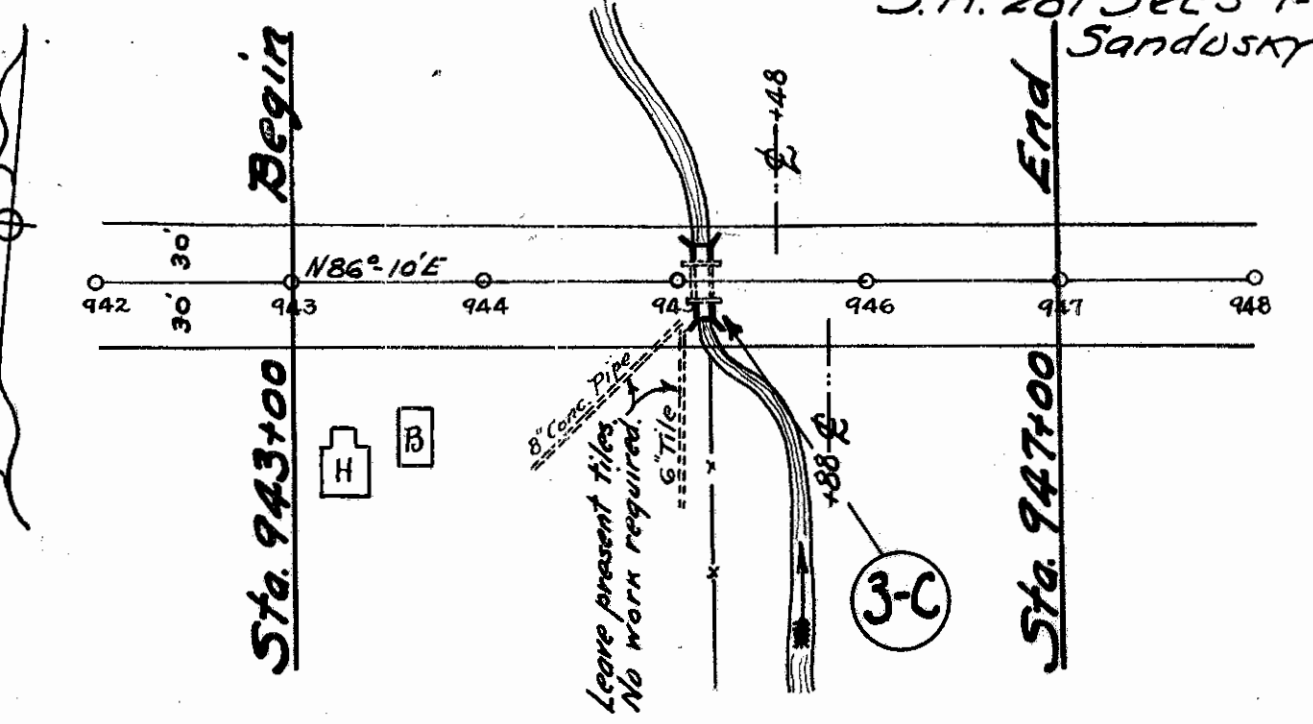


STRUCTURE NO 2

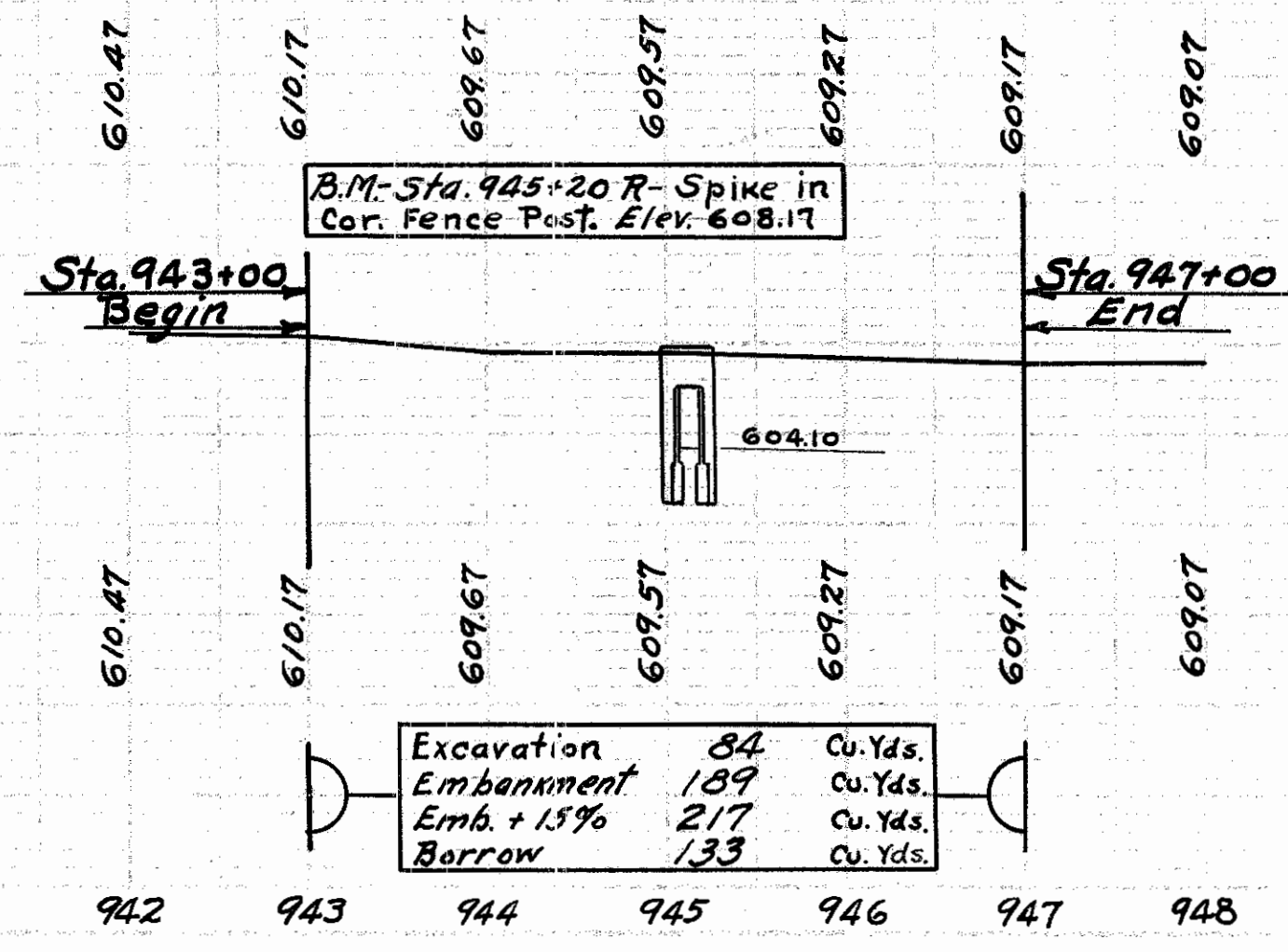


BRIDGE NO. SA-12-179

STA. 945+12

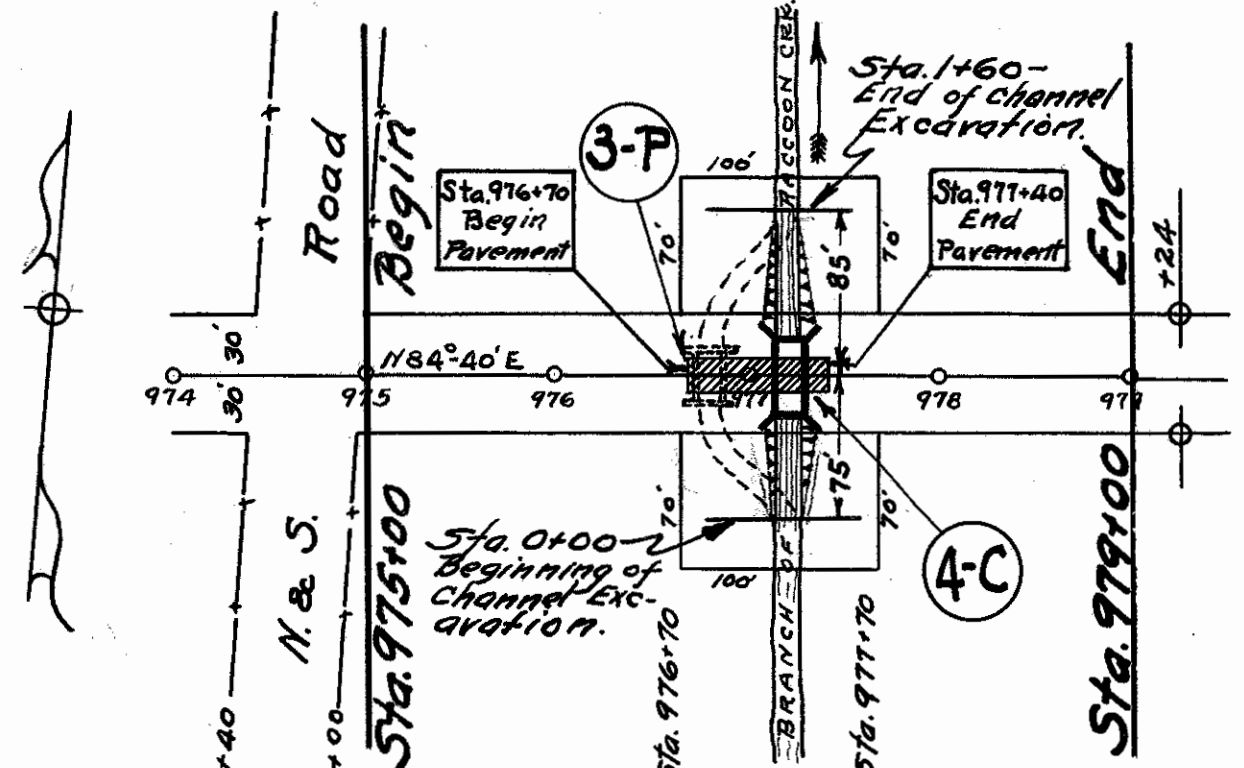


STRUCTURE NO 3

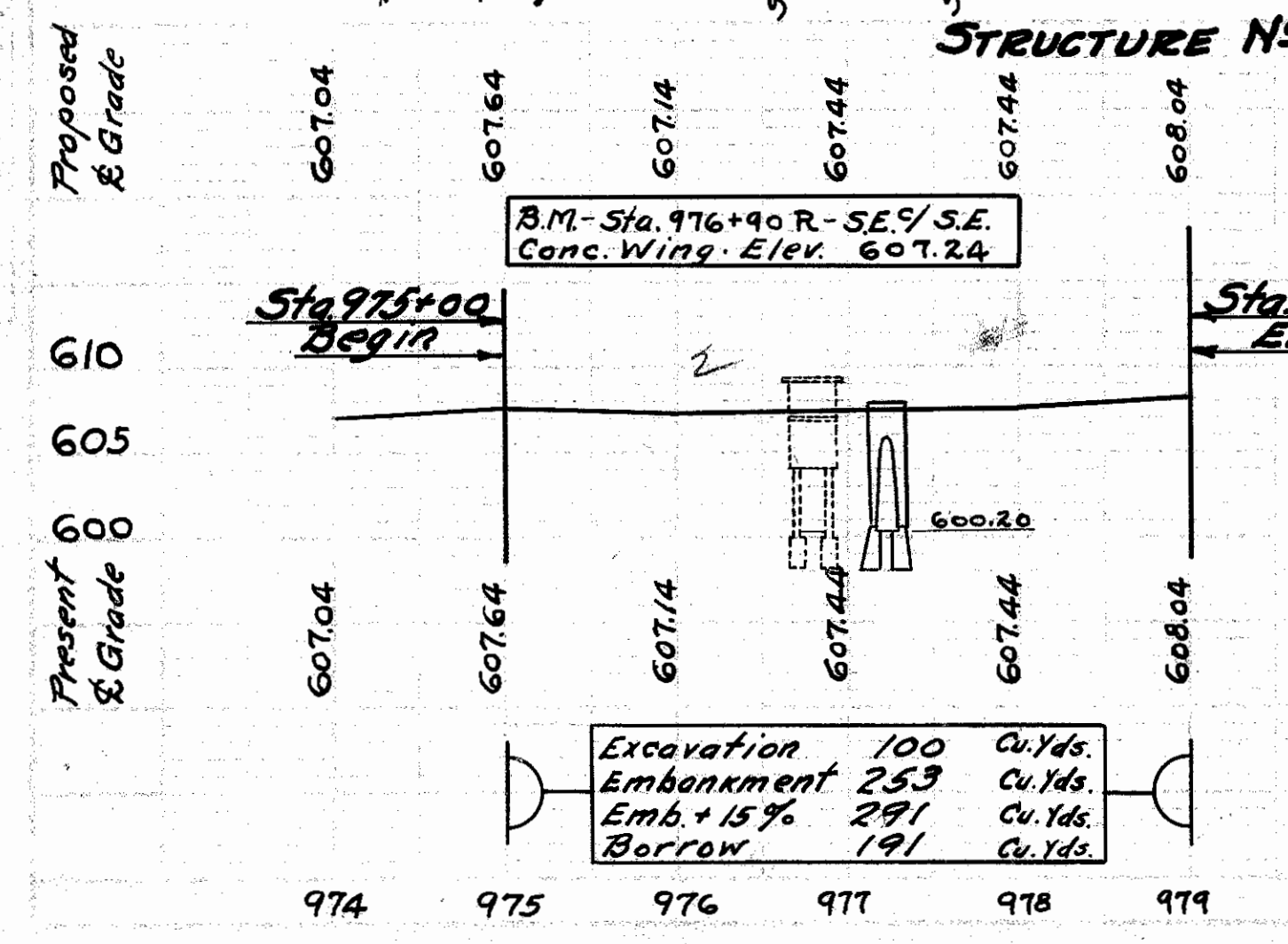


BRIDGE NO. SA-12-185

STA. 977+20

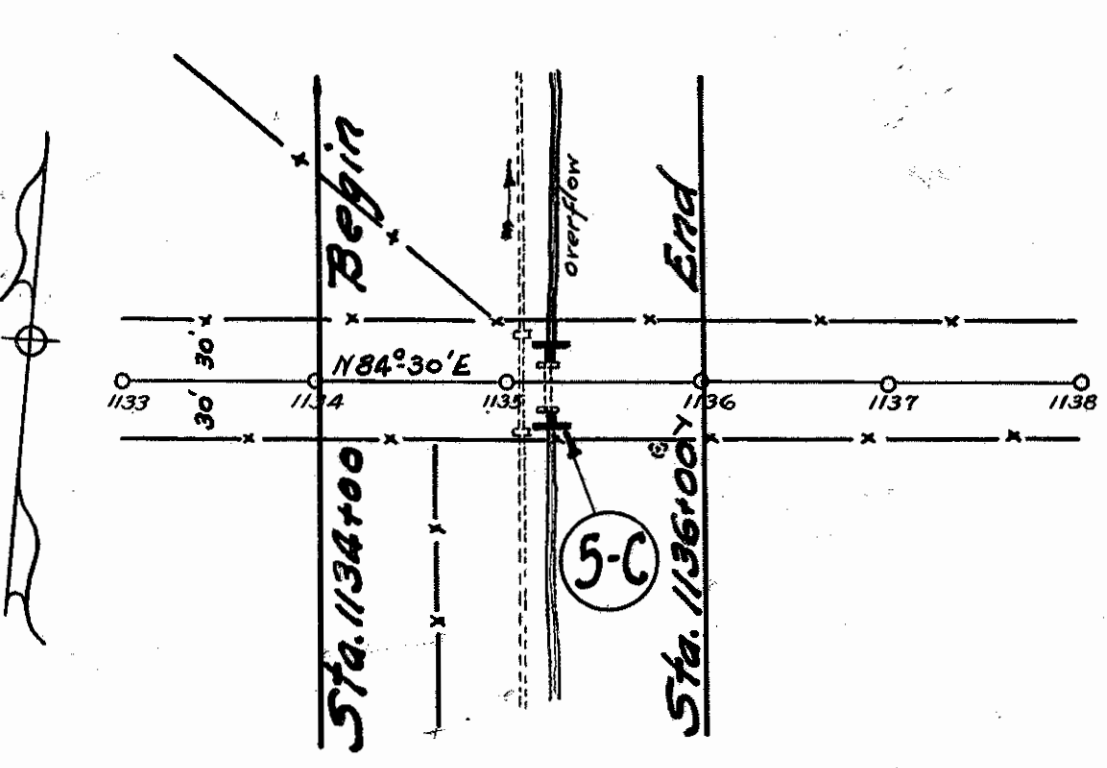


STRUCTURE NO 4

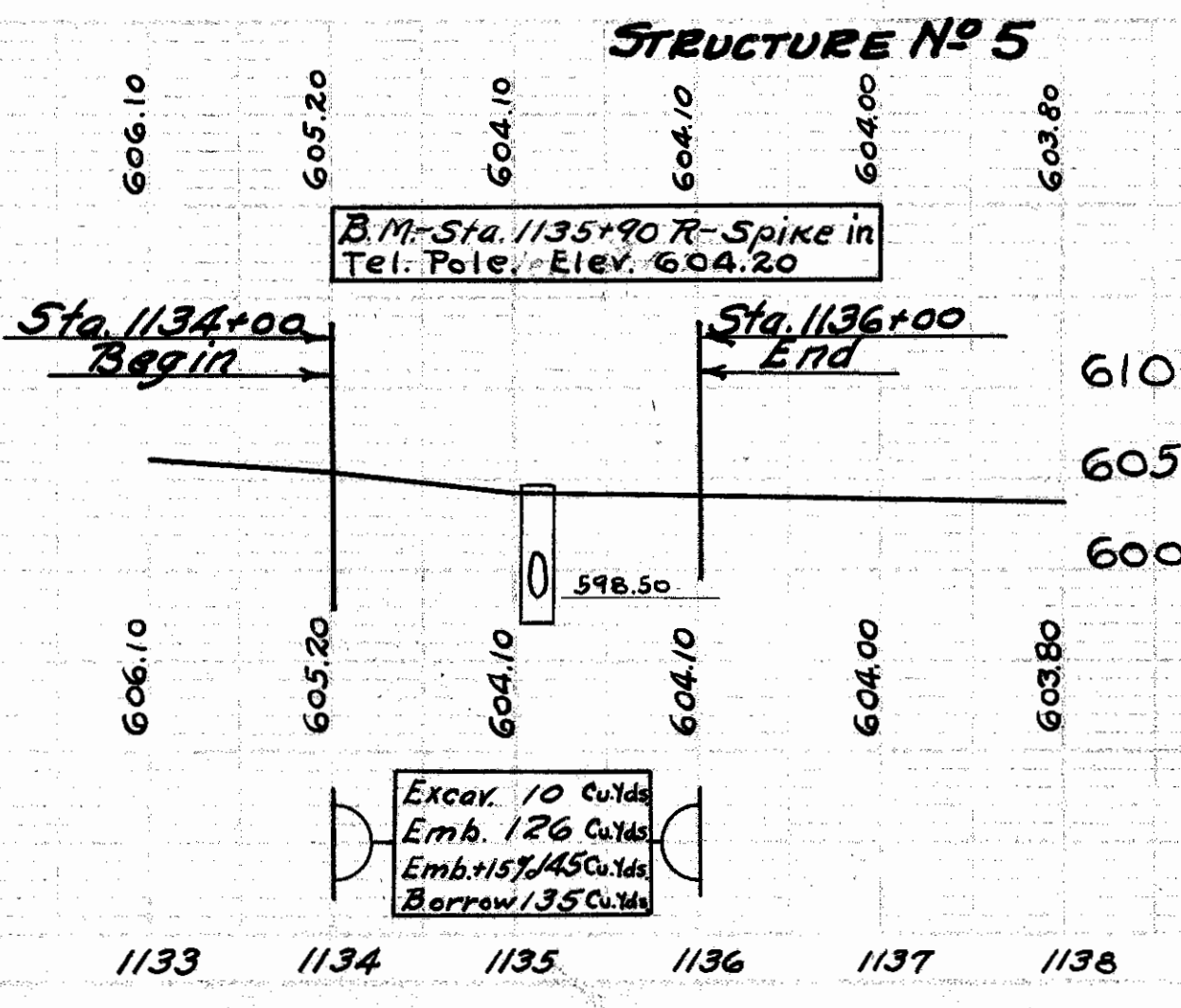


BRIDGE NO. SA-12-215

STA. 1135+20



STRUCTURE NO 5



C

STRUCTURES 20' SPAN AND UNDER

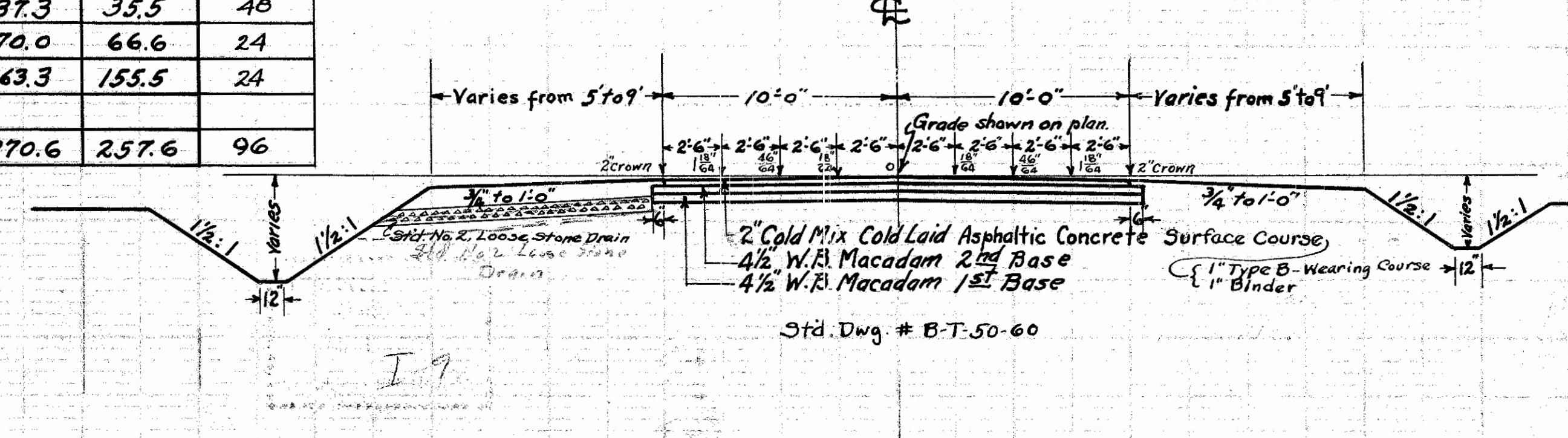
Item No.	Station	Removals			Type	Size	Excav. Backfill Cu. Yds.	Channel Excav. Cu. Yds.	Removal Present Structure	Concrete		Reinf. Steel Lbs.	Rwy. Culv. Pipe 30" Lin. Ft.	Corr. Plate Arch 4 Pl. 3 Ga. 5 Pl. 3 Ga. Lin. Ft.	3" Galv. Iron Channel Lin. Ft.	3" Galv. Iron Angle Lin. Ft.	Dowel Holes 1/2" x 6" Each	Remarks	
		Type	Size	Lin. Ft.						1-6 1/2 cu. Yds.	1-5 1/2 cu. Yds.								
1-C	881+68	Stone Arch	4'-0"	21'-0"	Roadway Culvert	30'x35'	25			3.8	76	35						See Sheet 3	
2-C	913+44	Conc. Slab	11'-0"	22'-0"	Corr. Plate Arch	13'-6"x35'	60		1	24.7	88	329		35	70			" " 3	
3-C	945+12	Conc. Header	5'-35"		Conc. Slab Top Exten	5'-35"	35			3.7	123	801					26	" " 4	
4-C	977+20	Conc. Slab	12'-0"	31'-0"	Corr. Plate Arch	13'-6"x35'	60	470	1	13.0	110	307		35		70		" " 4-6	
5-C	1135+20	Stone Headwall			Solid C.I. Pipe culv	30'x36'	20			9.1	164		12					" " 5	
TOTALS							200	470	2	41.4	450	1677	35	12	35	35	70	70	26

P

SUMMARY OF PAVEMENT

Item No.	Station	4 1/2" W.B. Mac. 1 1/2" Base		4 1/2" W.B. Mac. 2 1/2" Base		7-60-Top Course	Std. 1/2" Loose Stone Drain
		From	To	Sq. Yds.	Sq. Yds.		
1-P	881+60	881+76	37.3	37.3	35.5	40	
2-P	913+29	913+59	70.0	70.0	66.6	24	
3-P	976+70	977+40	163.3	163.3	155.5	24	
TOTALS			270.6	270.6	257.6	96	

TYPICAL SECTION



9749
9-30-33