

HOLMES COUNTY
S.H. 147 SEC. B-BRIDGE

STATE OF OHIO
DEPARTMENT OF HIGHWAYS
HAYESVILLE NASHVILLE ROAD

I.C.H. NO. 147 BRIDGE NO. HO-179-40 SEC. B-BRIDGE

HOLMES COUNTY

WASHINGTON TWP OCTOBER 1931
BRIDGE OVER CRAB RUN

The Standard Specification of the State of Ohio, Dept. of Highways in force on date of Contract, together with the "Supplemental Specifications for Winter Bridge Construction for Emergency Relief" will govern this improvement.

I hereby approve these plans and declare that the making of this improvement will require the closing to traffic of the highway and that detours will be provided as shown on the plan and estimates.

Approved: Karl Snyder
Date, 10/23/31 Resident District Deputy Director

Approved: Charles Emke
Date, 10/23/31 Resident Division Director

Approved: Ernest Hilley
Date, 11/2/31 Chief Engineer
Bureau of Construction.

Approved: _____
Date, _____ Chief Engineer
Bureau of Maintenance.

Approved: J.P. Buskey
Date, 11-2-31 Chief Engineer
Bureau of Bridges

Approved: W.D. Chapman
Date, 11-6-31 State Highway Engineer

Approved: Oliver Merrill
Date, 11-6-31 Director of Highways.

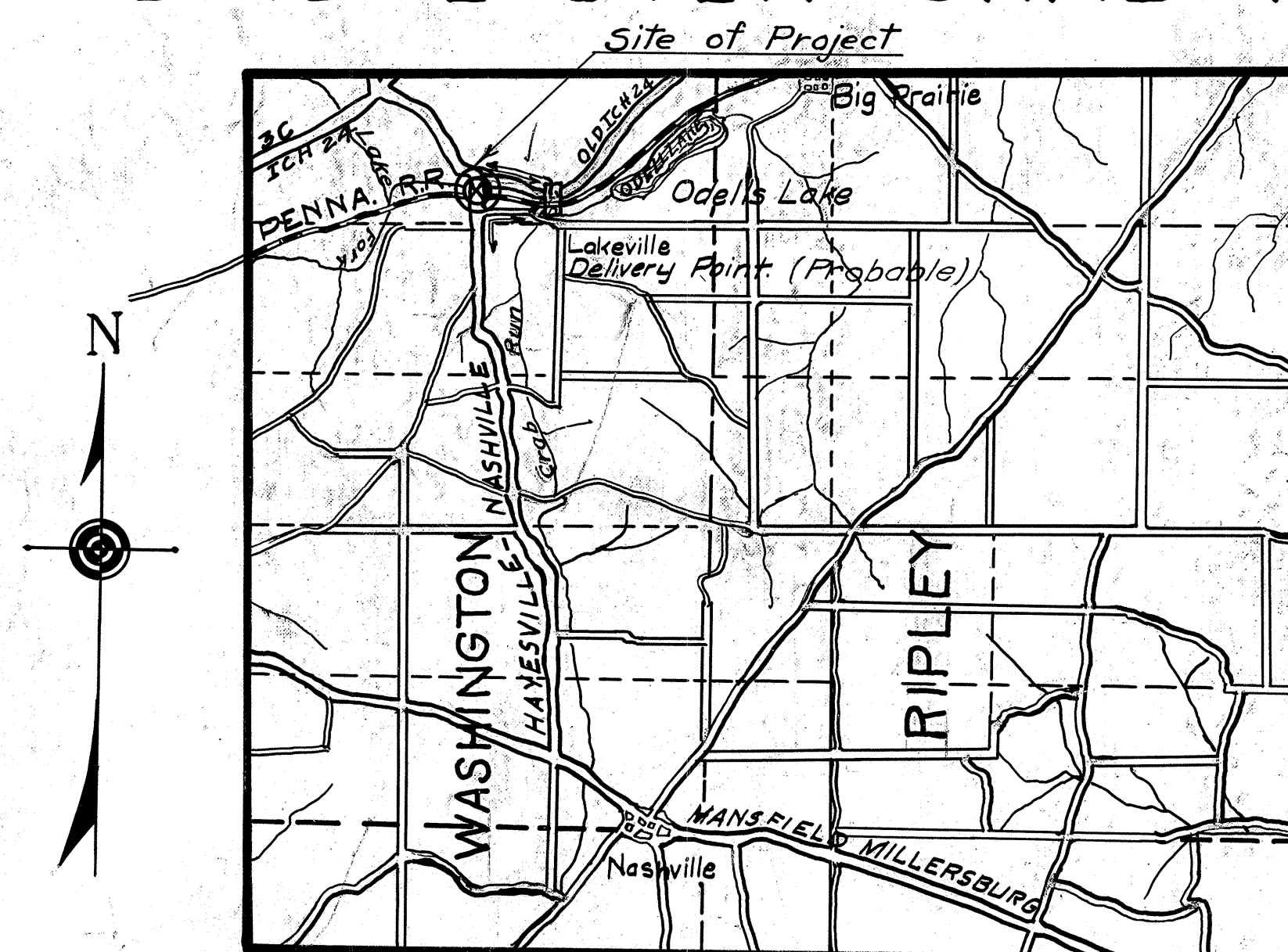
Recommended for Approval: _____
Date, _____ District Engineer
Bureau of Public Roads.

Recommended for Approval: _____
Date, _____ Chief Engineer
Bureau of Public Roads.

Approved: _____
Date, _____ Chief of Bureau


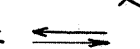
CONVENTIONAL SIGNS

- State Line _____
- County Line _____
- Township Line _____
- Section Line _____
- Property Line not fenced _____
- Center Line _____
- City or Village Line _____
- Fence _____
- Telephone or Telegraph _____
- Steam Railroad _____
- Electric Line _____
- Guard Rail _____
- Drain Pipe - new _____
- Drain Pipe - old _____



LOCATION PLAN

SCALE OF MILES

PORTION TO BE IMPROVED 
DETOURS SHOWN THUS. 

SCALES

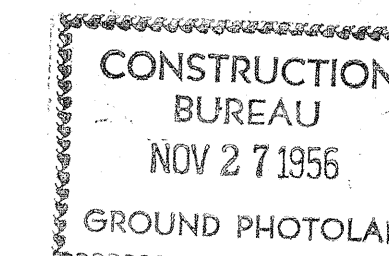
- Plan 1" = 50'
- Profile (Vertical) 1" = 10'
- Profile (Horizontal) 1" = 50'
- Cross Sections 1" = 5'

INDEX OF SHEETS
PROJECT TRACINGS

- Title Page p. 1
- Typical Cross Section p. 3
- Plans and Profile p. 2
- Cross Sections p. 3-4-5
- Structural Plans p. 6-7
- Summary of Quantities p. 2-7

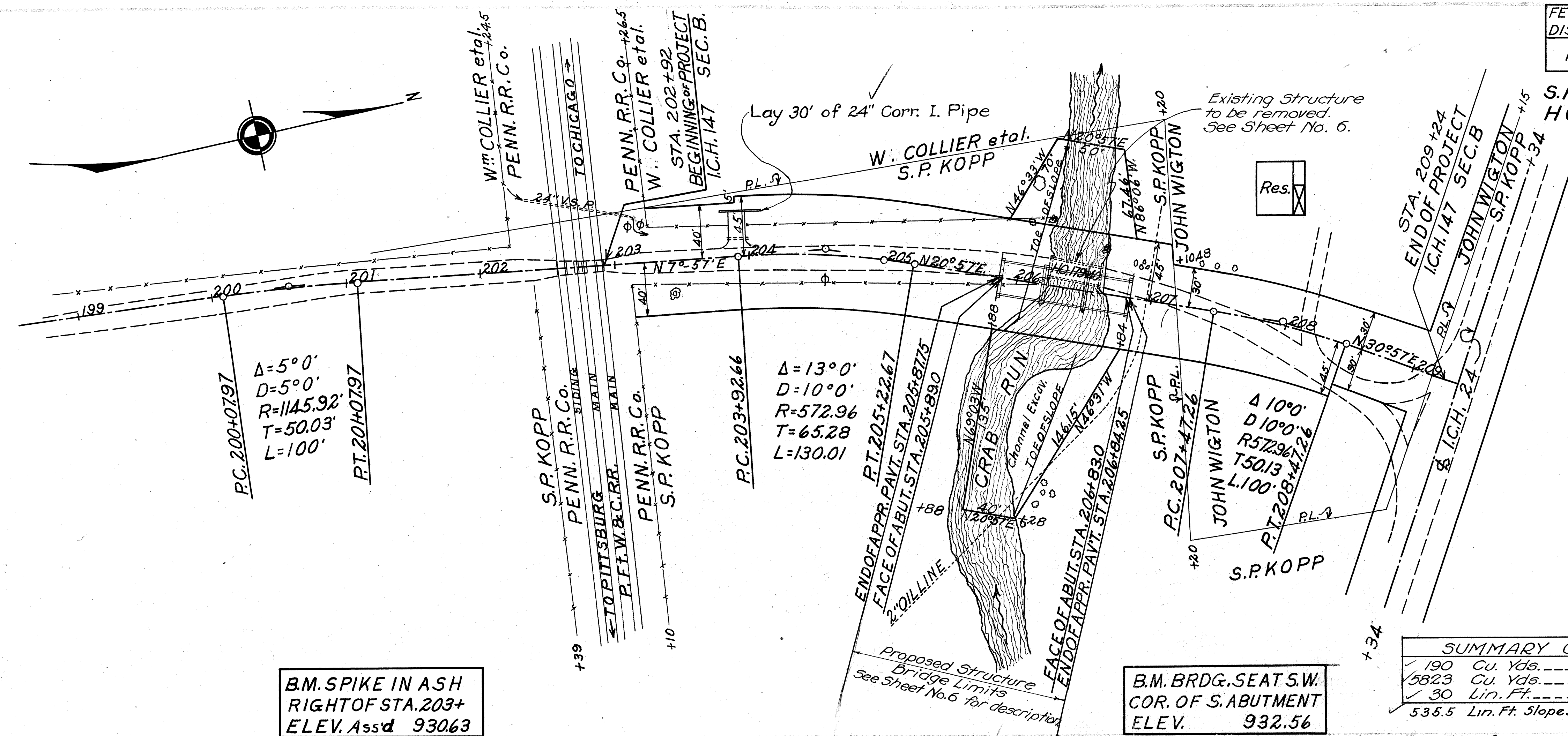
SUPPLEMENTAL PRINTS OF STRUCTURAL STANDARDS

Drawing Number WSB-31, WAP-31



FED.AID DIST.No.	STATE	FED.AID PROJECT	FISCAL YEAR	2
10	OHIO		1931	7

S.H. (I.C.H.) 147 SEC. B-BR.
HOLMES COUNTY

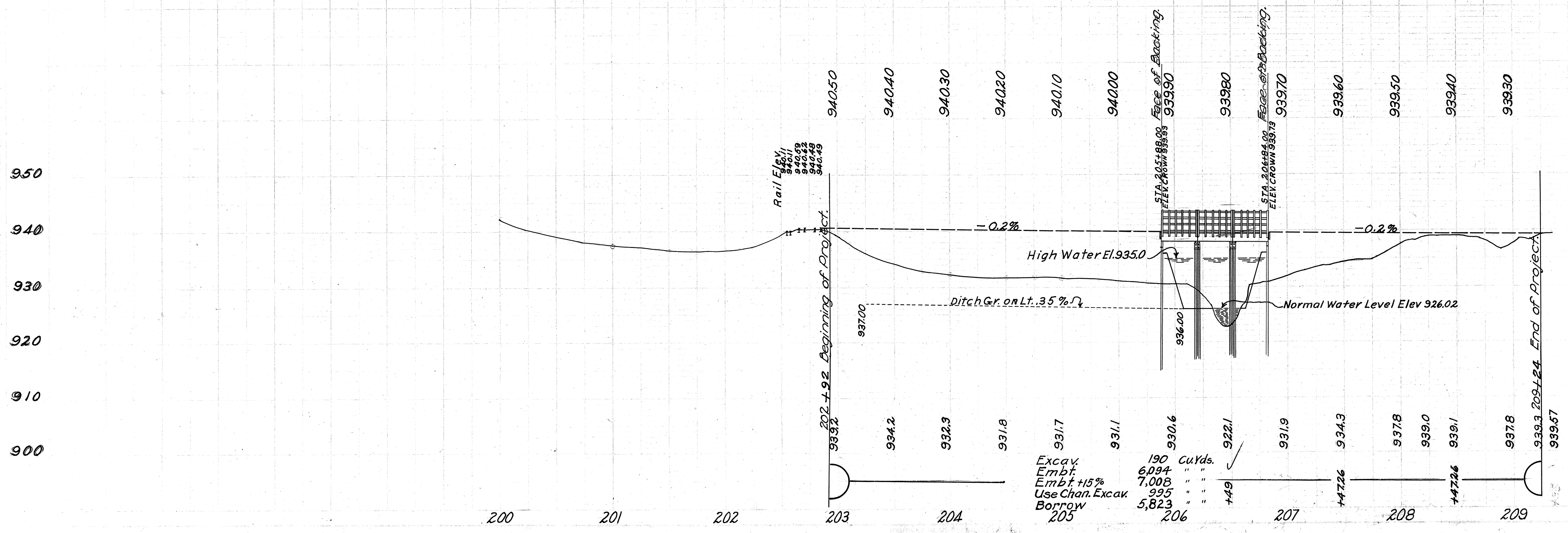


B.M. SPIKE IN ASH
RIGHT OF STA. 203+
ELEV. Ass'd 930.63

B.M. BRDG. SEAT S.W.
COR. OF S. ABUTMENT
ELEV. 932.56

SUMMARY OF APPROACH QUANTITIES	
190 Cu. Yds.	(Unclassified) Excavation
5823 Cu. Yds.	Borrow
30 Lin. Ft.	24" Cor. Iron Pipe
535.5 Lin. Ft. Slopes, Shoulders and Ditches (both sides)	

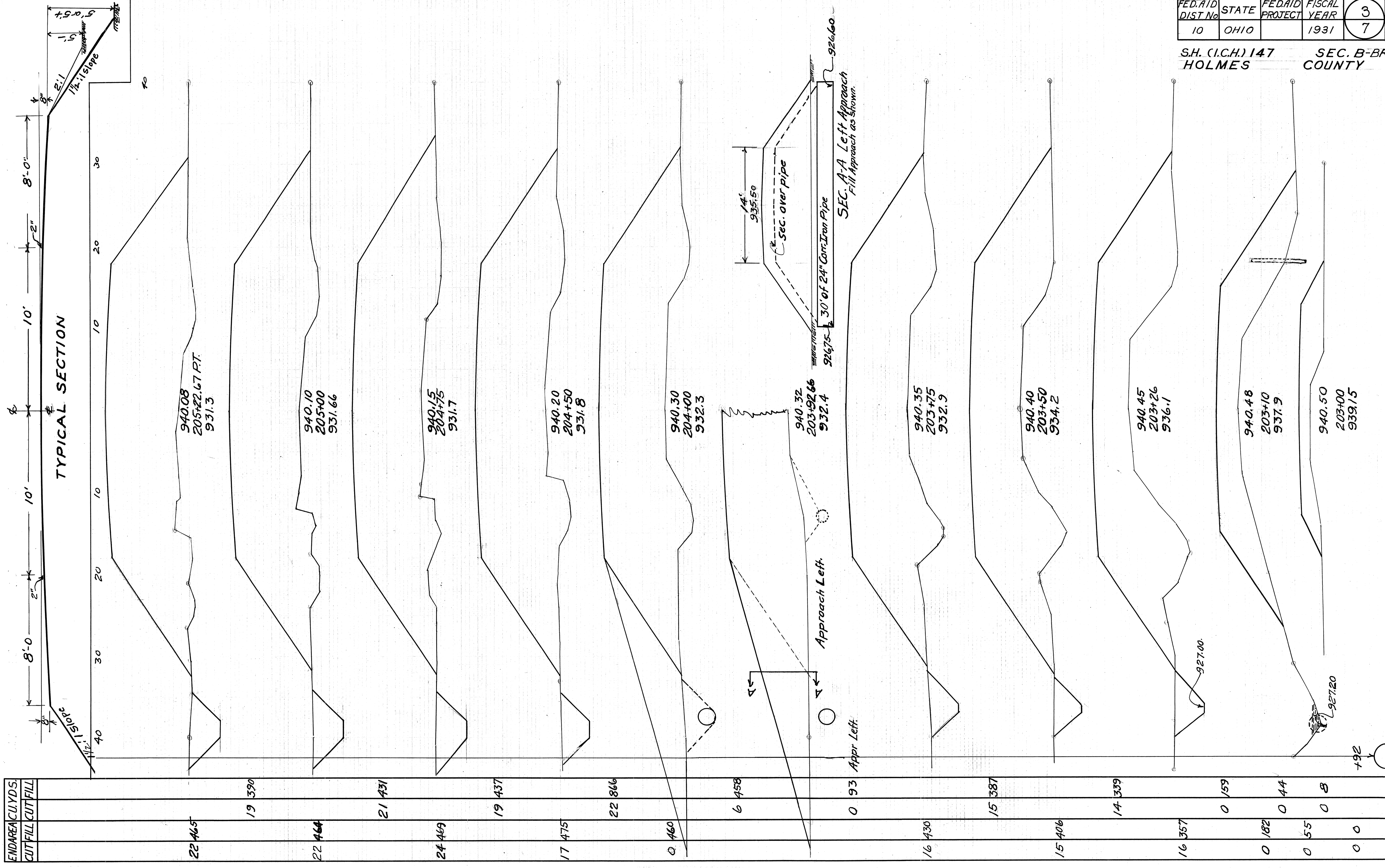
For Bridge Quantities See Sheet No. 7.



RILL
12-5-31

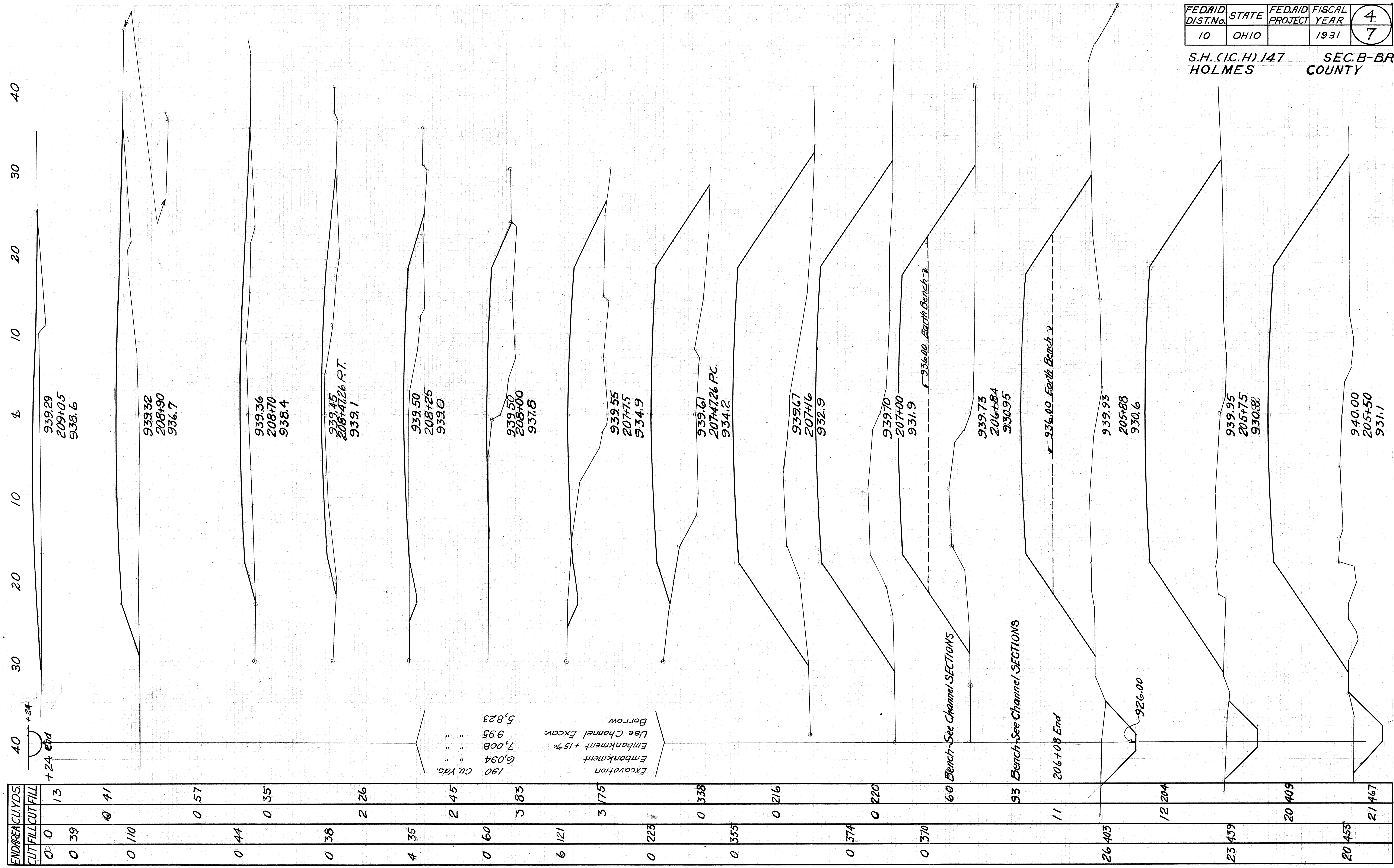
FED. AID DIST No	STATE	FED. AID PROJECT	FISCAL YEAR	3
10	OHIO		1931	7

S.H. (I.C.H.) 147
HOLMES COUNTY SEC. B-BR.



FED.AID DIST.No.	STATE	FED.AID PROJECT	FISCAL YEAR	4 7
10	OHIO		1931	

S.H. (C.I.C.H) 147
HOLMES
SEC. B-BR.
COUNTY



END AREA CU. YDS.	CUT	FILL	CUT/FILL	TOTAL
0	0	13	0	13
0	39	0	0	39
0	110	0	0	110
0	44	0	0	44
0	38	2	2	26
4	35	0	0	35
2	45	0	0	45
0	60	3	3	83
6	121	0	0	127
3	175	0	0	178
0	223	0	0	223
0	355	0	0	355
0	216	0	0	216
0	374	0	0	374
0	220	0	0	220
0	370	0	0	370
26	403	0	0	429
12	204	0	0	204
23	439	0	0	462
20	409	0	0	409
20	455	0	0	455
21	467	0	0	488
				2488

Excavation
Embankment +15%
Use Channel Excav.
Borrow

190 Cu. Yds.
6,094
7,008
995
5,823

60 Bench-See Channel SECTIONS

93 Bench-See Channel SECTIONS

206+08 End

926.00

236.00 Earth Bench

20 10 10 20 10 10

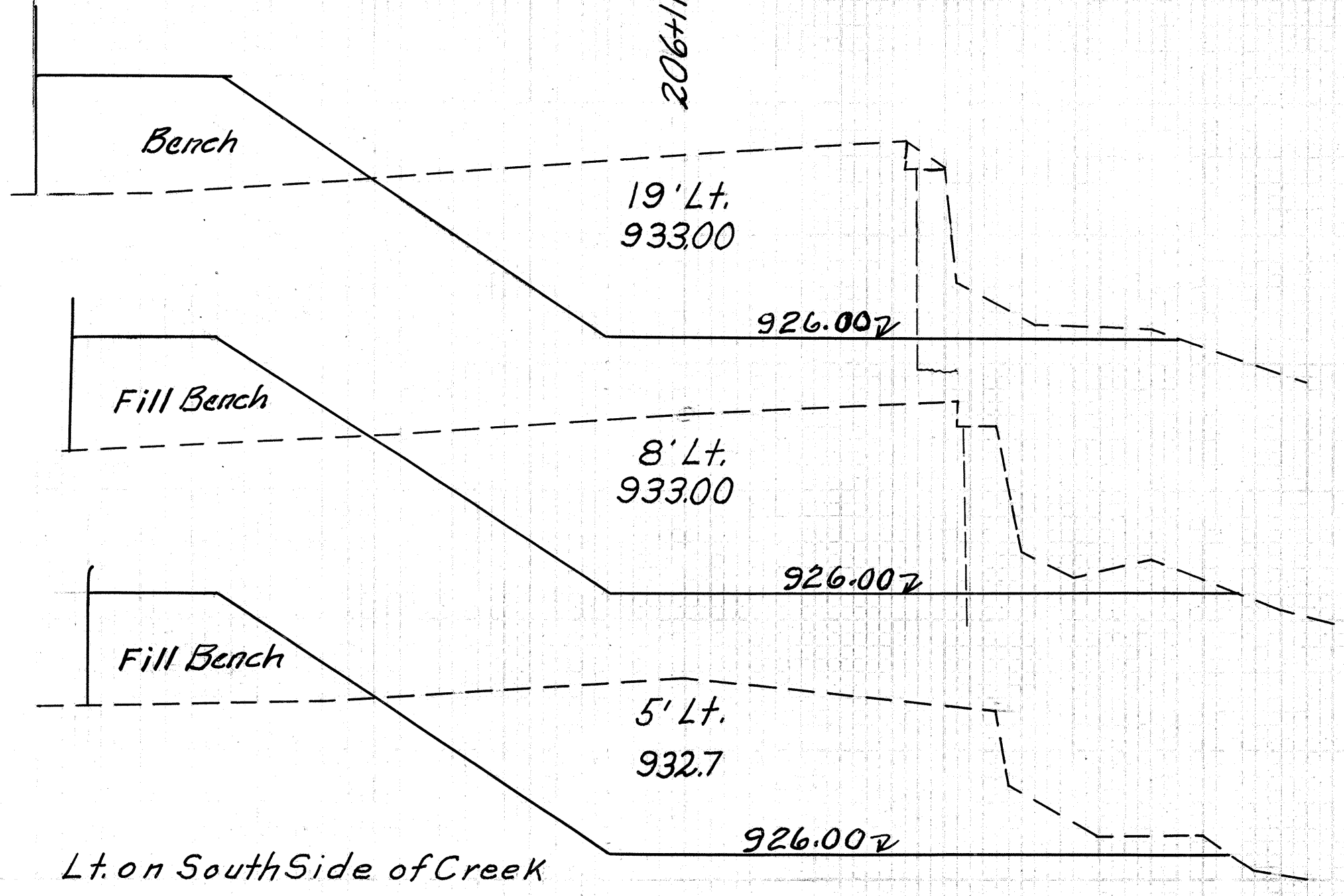
10 10

FED.AID DIST. No.	STATE	FED.AID PROJECT	FISCAL YEAR	5
10	OHIO		1931	7

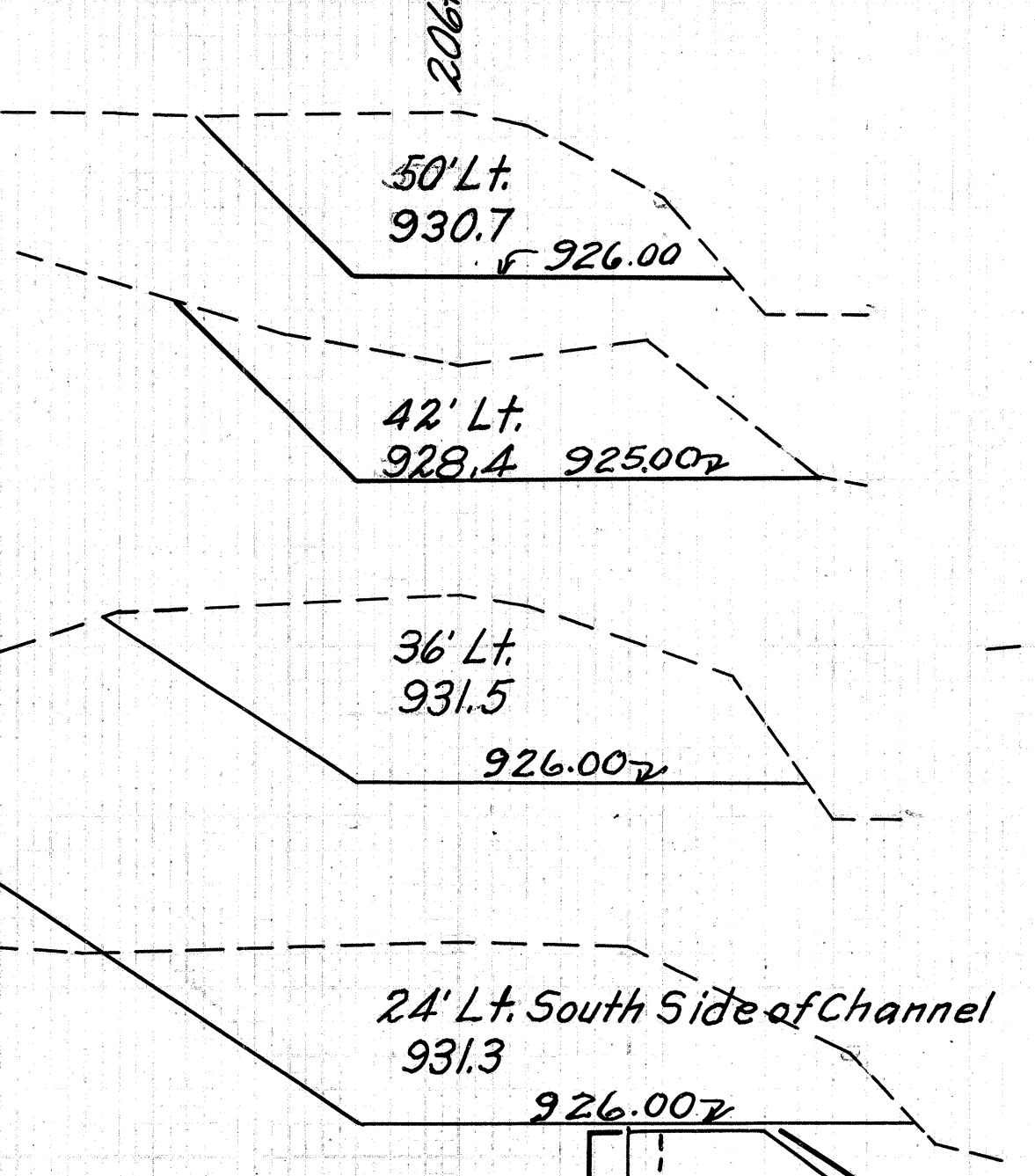
S.H. (I.C.H.) 147
HOLMES
SEC. B-B
COUNTY

SUMMARY CHANNEL EXCAVATION	
South side right	178 cu.yds
" " left	234 " "
North " right	530 " "
" " left	53 " "
Total	995 " "

This excavation to be used to partially eliminate borrow. Fill Bench



End Area Cu. Yds.			
Cut	Fill	Cut	Fill
135	45		
		58	17
		150	36
		16	4
		138	36
		22	8

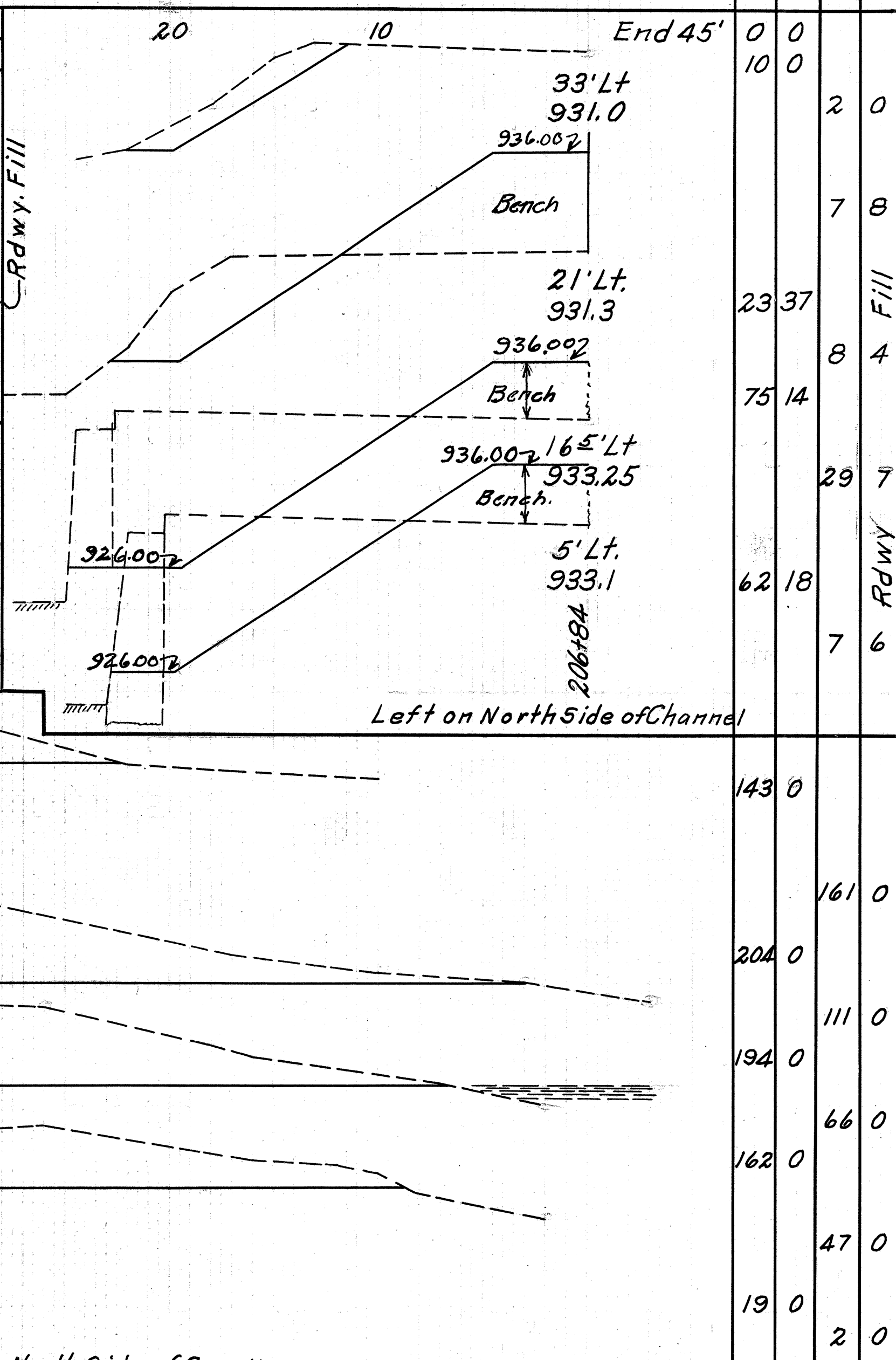
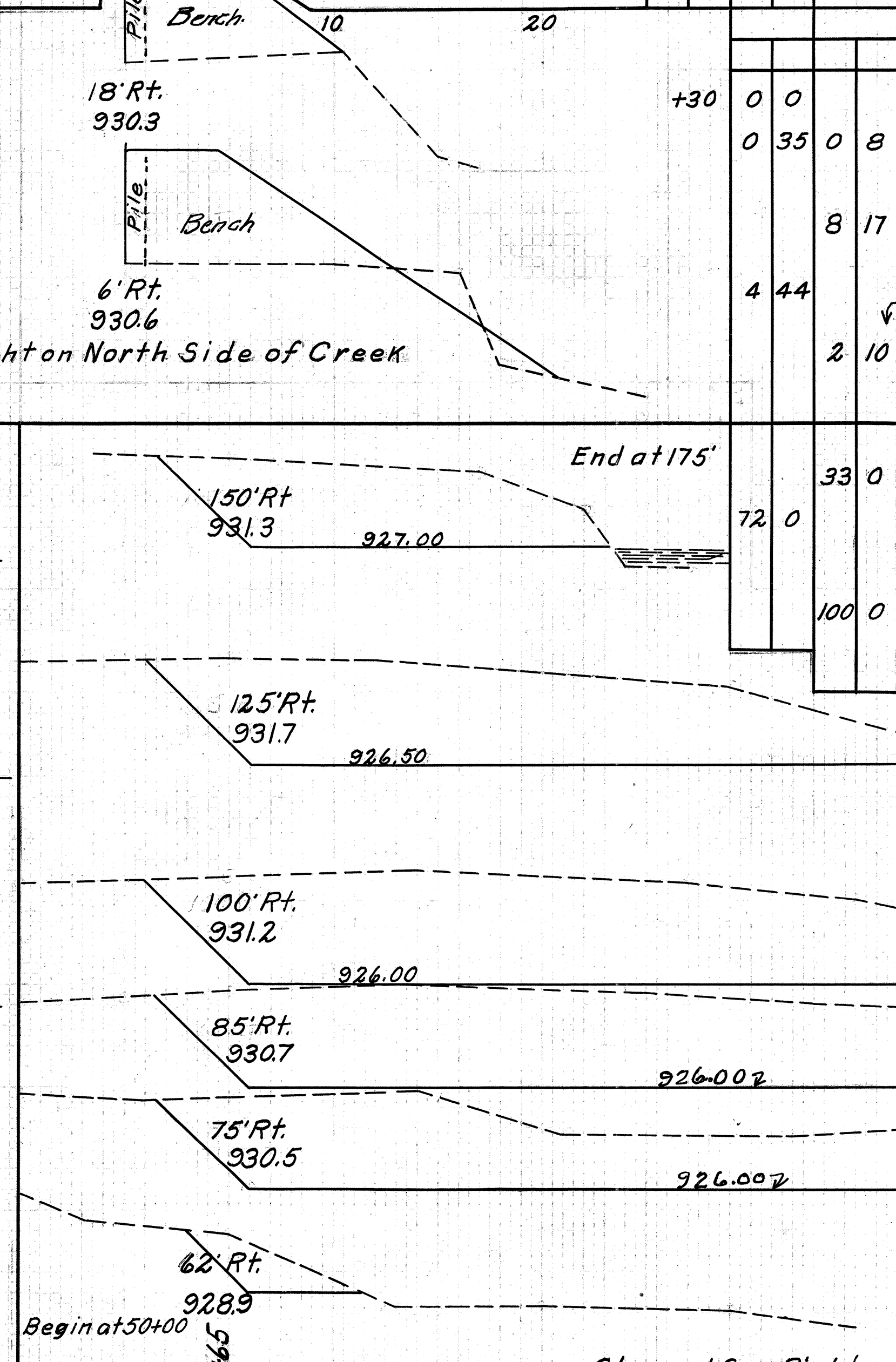
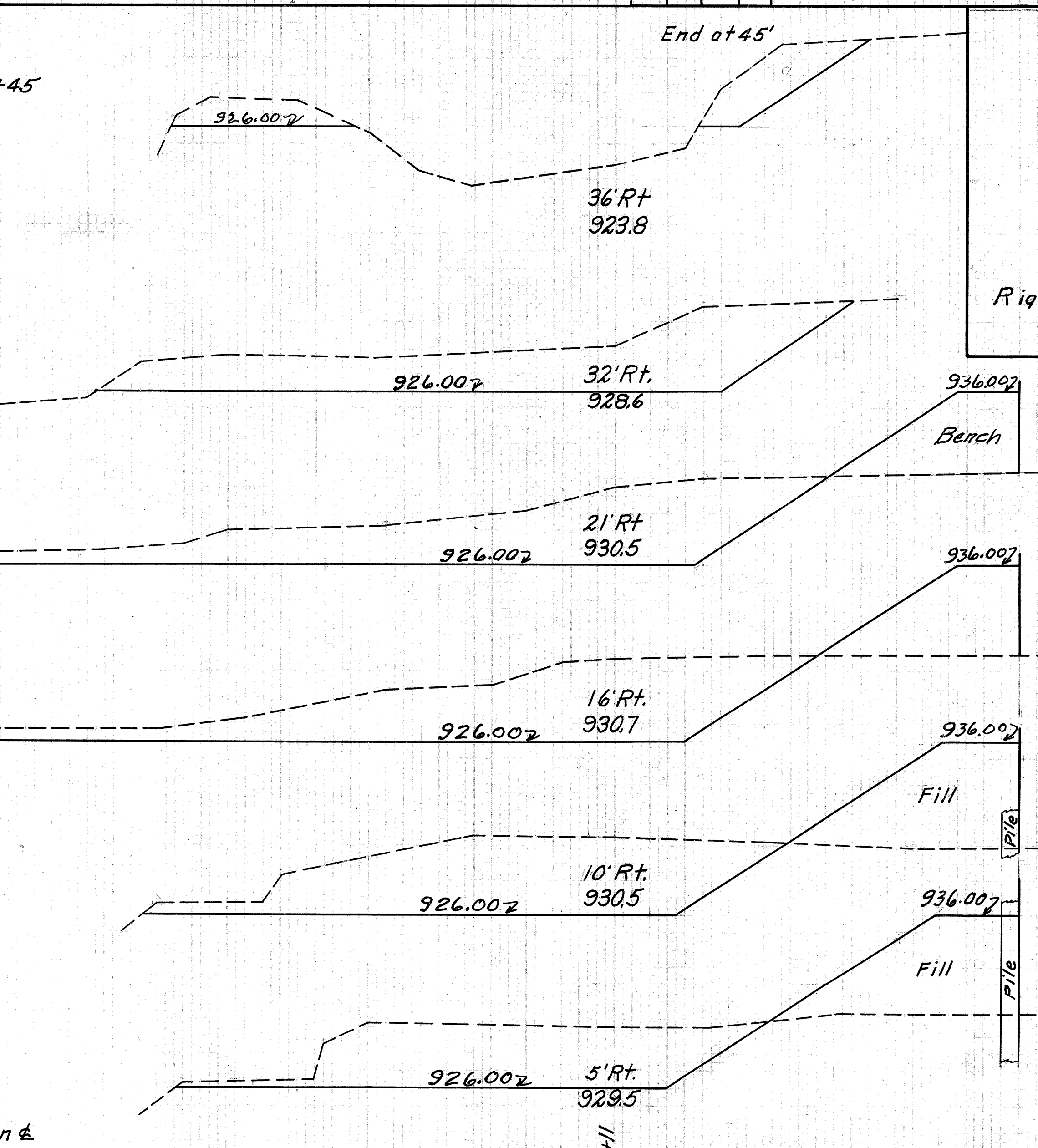


End Area Cu. Yds.			
Cut	Fill	Cut	Fill
100	0	14	0
75	30	37	0
	51	0	
		16	0
		54	0
		14	0
		75	0
		36	10
		88	45
		21	8

End Area Cu. Yds.		
Cut	Fill	Cut
16	42	
		0
		0

End Area Cu. Yds.		
Cut	Fill	Cut
94	50	

End Area Cu. Yds.			
Cut	Fill	Cut	Fill
0	0	5	0
31	0		
		10	
		105	0
		47	7
		124	32
		27	7
		125	37
		26	10
		106	55
		17	10
		82	54
		16	10
		94	50



End Area Cu. Yds.		
Cut	Fill	Cut
0	0	
10	0	
		2
		7
		23
		8
		75
		14
		29
		7
		62
		18
		7
		143
		0
		161
		0
		204
		0
		194
		0
		162
		0
		66
		0
		47
		0
		19
		0
		2
		0

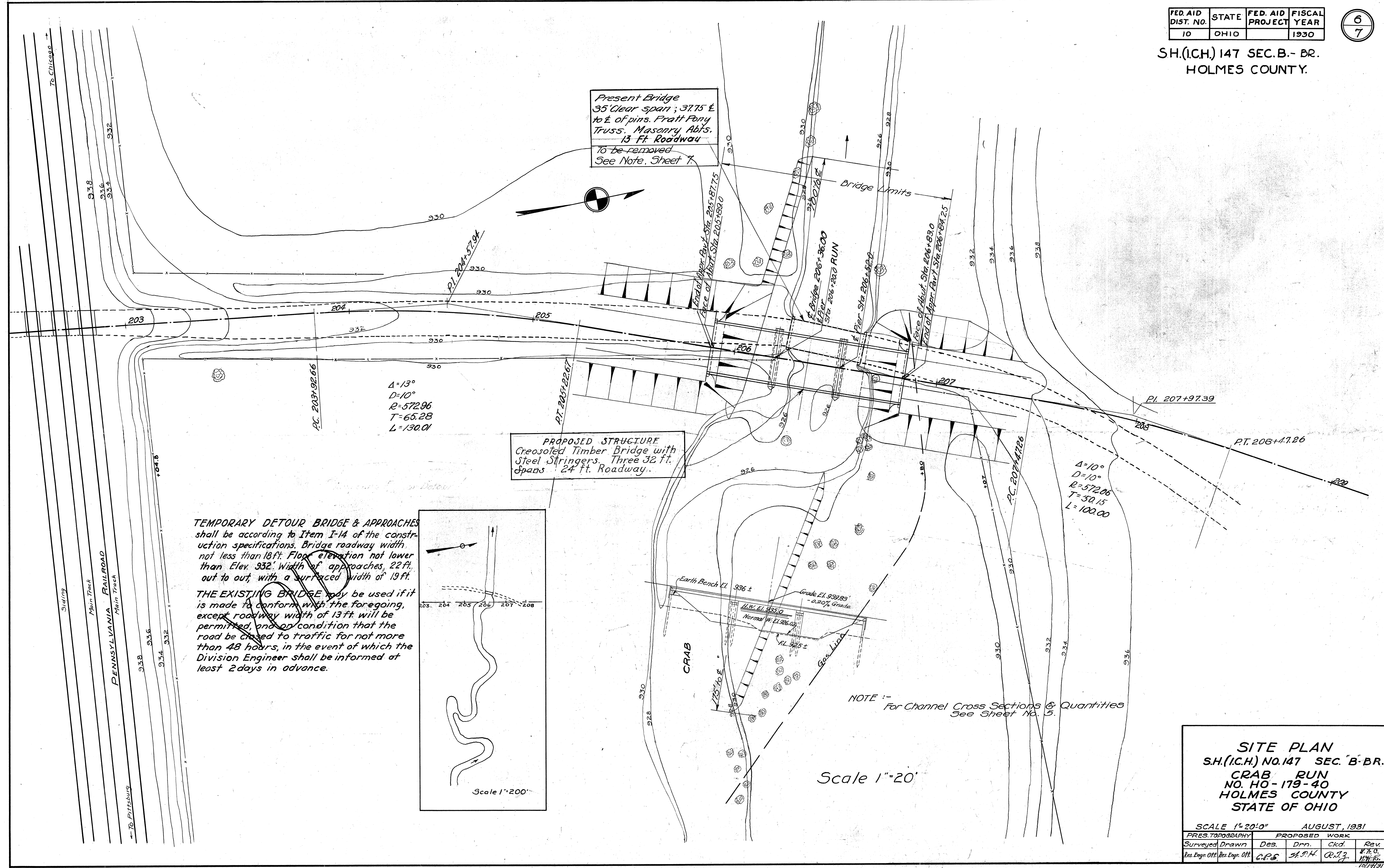
205+88 936.00
930.00
206+20
20 6+10
20 6+10
20 6+00
20 6+00
Sec. on & South Side

40 30 20 10 20 10 20 10 20 30 40 50 60

FED. AID DIST. NO.	STATE	FED. AID PROJECT	FISCAL YEAR
10	OHIO		1930

6
7

SH.(I.C.H.) 147 SEC. B.- BR.
HOLMES COUNTY.

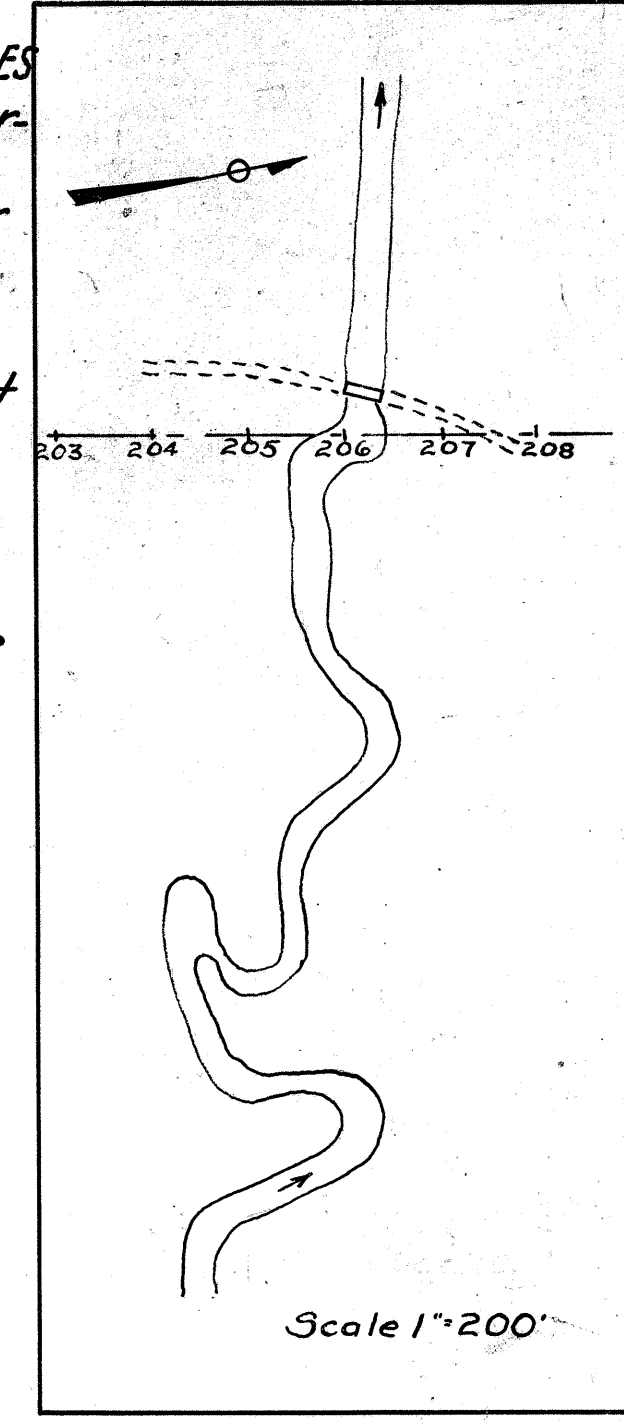


Present Bridge
35' Clear span ; 31.75 E
to E of pins. Pratt Ford
Truss. Masonry Abts.
13 Ft. Roadway
to be removed
See Note, Sheet 1.

PROPOSED STRUCTURE
Creosoted Timber Bridge with
Steel Stringers. Three 32 ft.
Spans. 24 ft. Roadway.

TEMPORARY DETOUR BRIDGE & APPROACHES
shall be according to Item I-14 of the construction specifications. Bridge roadway width not less than 18 ft. Floor elevation not lower than Elev. 932. Width of approaches, 22 ft. out to out, with a surfaced width of 19 ft.

THE EXISTING BRIDGE may be used if it is made to conform with the foregoing, except roadway width of 13 ft. will be permitted, and on condition that the road be closed to traffic for not more than 48 hours, in the event of which the Division Engineer shall be informed at least 2 days in advance.



NOTE :-
For Channel Cross Sections & Quantities
See Sheet No. 3.

Scale 1"=20'

SITE PLAN
SH.(I.C.H.) NO. 147 SEC. B.- BR.
CRAB RUN
NO. HO-179-40
HOLMES COUNTY
STATE OF OHIO

SCALE 1"=20' 0" AUGUST, 1931

PRES. TOPOGRAPHY		PROPOSED WORK			
Surveyed	Drawn	Des.	Drn.	Ckd.	Rev.
Res. Engr. Off.	Res. Engr. Off.	C.P.S.	A.P.H.	R.J.J.	R.T.G.

10/2/31

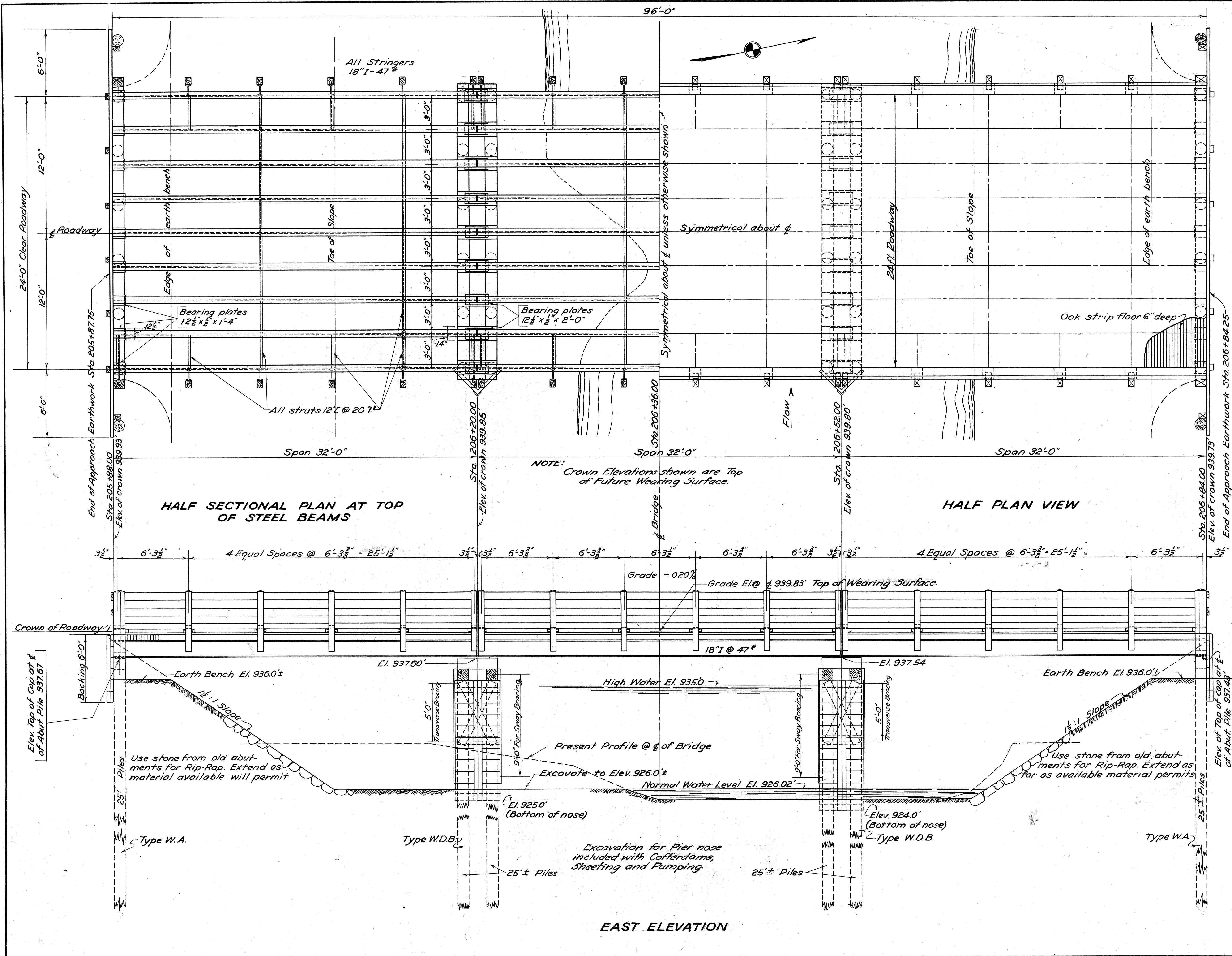
GENERAL NOTES

DETAILS - See Standard Drawings No. WSB-31 and No. WAP-31 for all details not shown on this drawing.

DISPOSAL OF OLD BRIDGE - Old Superstructure to become the property of the contractor in part payment for its removal and to be removed from the site by him. Existing abutments included with Channel Excavation for payment and disposed of as riprap as directed by Engineer.

ESTIMATED QUANTITIES

- Cresotated Timber Piling, 25'± Lg. (except furnishing piles F.O.B. Delivery Point) 1000 Lin.ft.
- Cresotated Oak lumber (not including strip floor or rail posts) (except furnish. cresotated lumber F.O.B. Delivery Point) 6850 Bd.ft.
- Cresotated Oak lumber for Strip floor (except furnish. cresotated lumber F.O.B. Delivery Point) 2496 Sq.ft.
- Timber Railing (except furnish. cresotated Oak posts F.O.B. Delivery Pt.) 208 Lin.ft.
- (The foregoing items include the furnishing of all hardware)
- Structural Steel (except field painting) 51,000 lbs.
- Field painting of Structural Steel Lump Sum
- Removal of Existing Superstructure Lump Sum
- Channel Excavation 995.0 Cu.yds.
- Cofferdams, Sheet piling & Pumping Lump Sum
- Rip-Rap (Use stone from old Abuts.) 120 Sq. yds.



BRIDGE NO. HO-179-40

STATE OF OHIO DEPARTMENT OF HIGHWAYS BUREAU OF BRIDGES							
GENERAL PLAN, ELEVATION AND NOTES							
BRIDGE OVER CRAB RUN							
S. H. SECTION		147 B - Dr.		HOLMES COUNTY STA. 206+36			
DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED	
HSE.	HSE.	SP	J.B.	H.K.C.	10/14/31		