

GREENE COUNTY
S.H. 195 SEC. "H & F (Pt.)"
107BLN-16
1-105

STATE OF OHIO DEPARTMENT OF HIGHWAYS

SPRINGFIELD - XENIA - SOUTHERN ROAD

S.H. 195 SEC. "H & F (Pt.)"

GREENE COUNTY

XENIA TOWNSHIP

NET LENGTH OF PROJECT = 13,981.87 Lin. Ft. or 2.648 Miles

The Standard Specifications of the State of Ohio, Department of Highways, together with Special Provisions for Federal Aid Projects and Supplemental Specifications Nos. 9, E-205, S-122, E-208, S-29 (Rev. 1-37), I-213, I-216, 102 & 78 in force on date of contract will govern this improvement.

I hereby approve these plans & declare that the making of this improvement will not require the closing to traffic of the highway.
See Traffic Note on Sheet 2.

The right of way necessary for this improvement will be provided by the State of Ohio.

CONVENTIONAL SIGNS

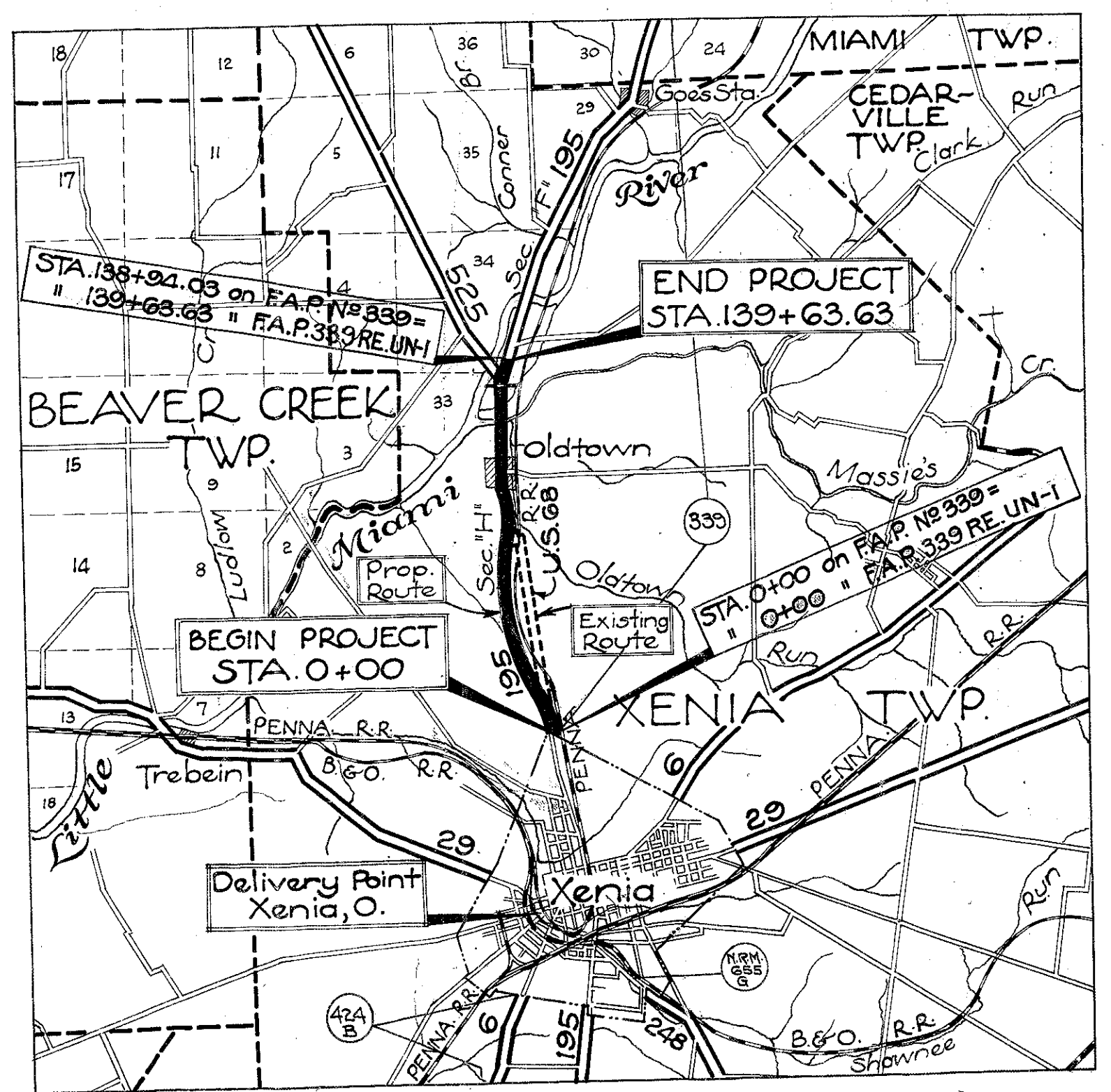
TOWNSHIP LINE	-----
SECTION LINE	-----
CITY OR VILLAGE LINE	-----
PROPERTY LINE	-----
FENCE	-----
CENTER LINE	-----
STEAM RAILROAD (Location Plan)	-----
" (Alignment Sheet)	-----
ELECTRIC RAILROAD	-----
POLE LINE	-----
GUARD RAIL (New)	-----
" (Old)	-----
EXIST. WATER MAIN	-----
" GAS MAIN	-----
DRAIN PIPE (NEW)	-----
" (OLD)	-----

INDEX OF SHEETS

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LINE DATA

Beginning of Project Sta. 0+00
End of Project Sta. 139+63.63
Gross Length of Project = 13963.63 Lin. Ft.
Addition (Equation: 85+61.09 Back = 85+42.85 Ahead) = 18.24 "
Net Length of Project = 13981.87 Lin. Ft.
or 2.648 Miles



LOCATION PLAN

SCALE OF MILES
0 1 2 3 4
PORTION TO BE IMPROVED
STATE HIGHWAYS
OTHER ROADS

SCALES

PLAN	3, 4	5, 6, 7, 11, 12	8, 9, 10
PROFILE	1" = 50'	1" = 100'	1" = 20'
VERTICAL	1" = 10'	1" = 10'	1" = 10'
HORIZONTAL	1" = 50'	1" = 100'	1" = 20'
CROSS SECTIONS	1" = 5'		

SUPPLEMENTAL PRINTS OF STANDARD CONSTRUCTION DRAWINGS			
Standard Drawing No.	Date	E-5	
I-8 M.H. No. 1	2-20-36	B-T-70-71 E No. 1	7-12-35
I-8 M.H. No. 3	2-20-36	B-T-50-70-71 E No. 1	10-1933
B-T-71 R	11-1-37	I-1, 2, 3, 4 & 5	10-1933
S-27 PC-1	4-1-36	L-1	1-1-36
S-27 PC-2	4-20-36	I-12	7-10-36
S-27 PC-3	1-1-36		2-15-36
T-70-71 E No. 1	10-1933		10-1933
B-T-71 E No. 1	10-1933	G-7-07	

R.R.-B
I-8 C.B. No. 7
A3-35

CONSTRUCTION
BUREAU
JUL 6 1936
GROUND PHOTOLAS

FILE
No. 216
GREENE...S.H. 195 SEC. "H & F (Pt.)"
Date of Letting 193
Contract No.

TYPICAL SECTIONS

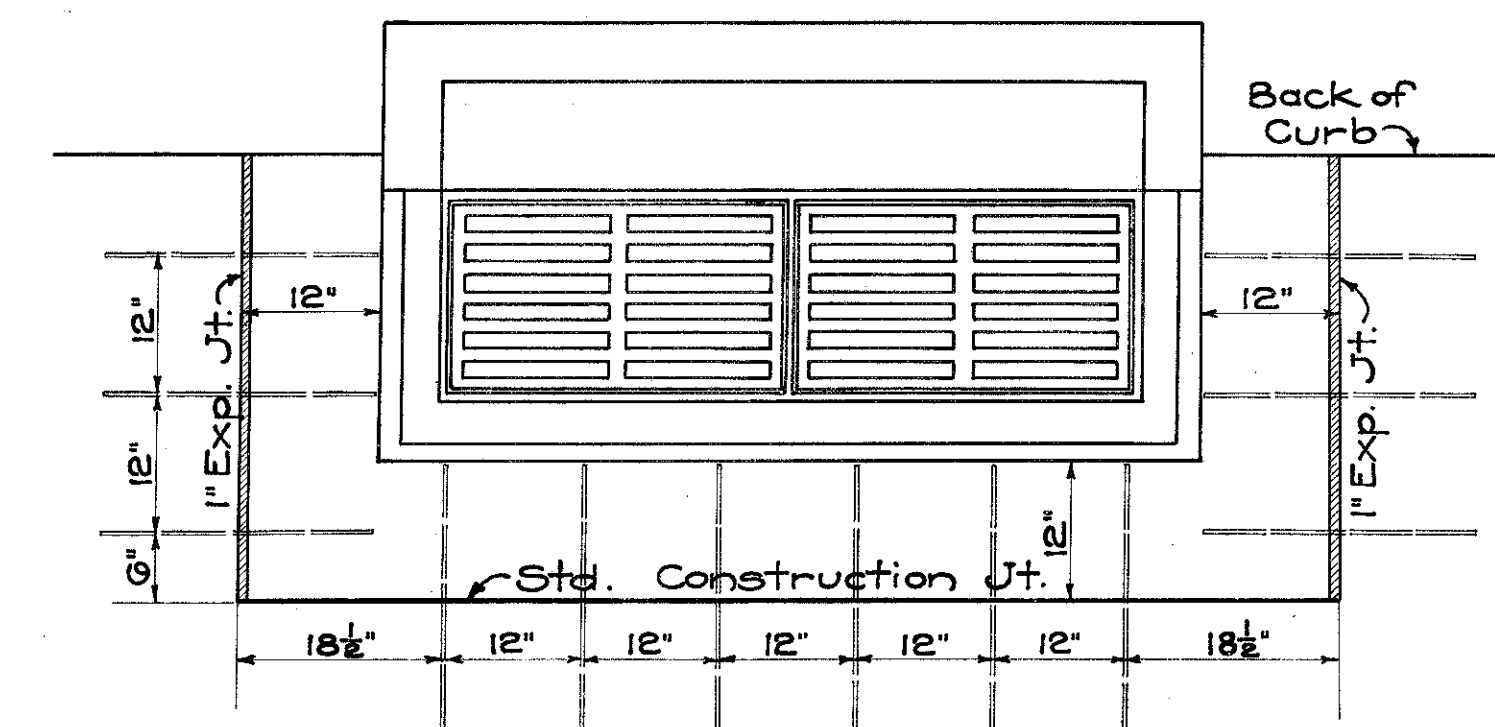
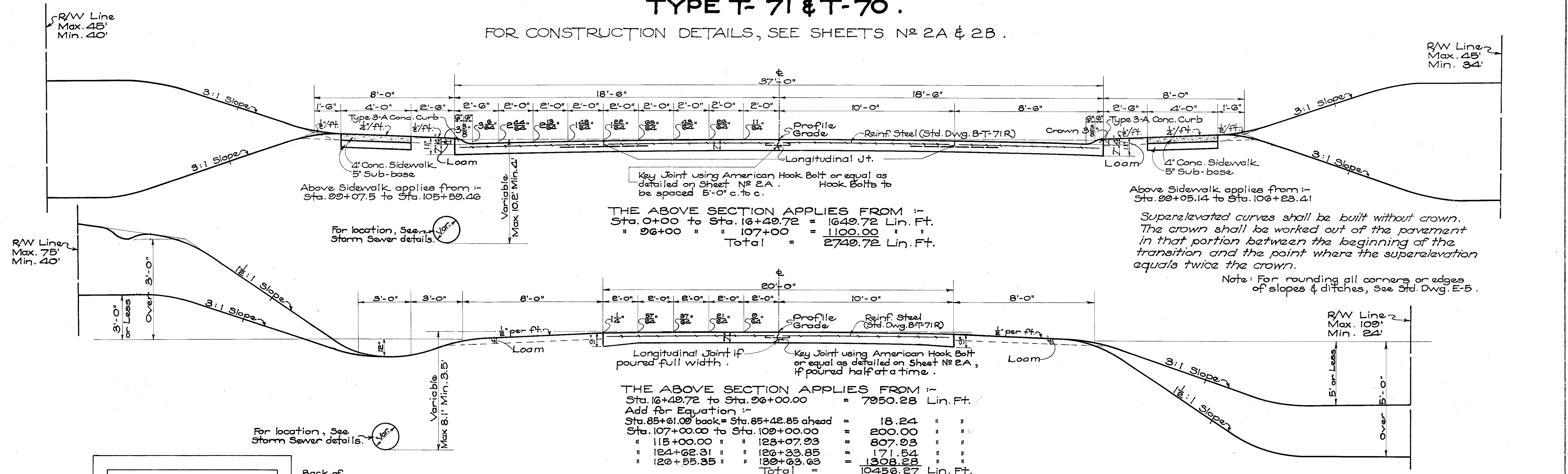
Scale of Feet

FED. RD. DIST. NO.	STATE	FED. AID PROJECT	FISCAL YEAR	2
10	OHIO	339 RE. UN-1	1937	105

GREENE COUNTY
S.H. 195 SEC. "H & F (Pt)"

TYPE T-71 & T-70.

FOR CONSTRUCTION DETAILS, SEE SHEETS NO 2A & 2B.



DETAIL PLAN OF CONSTRUCTION & EXPANSION JOINTS FOR CATCH BASINS IN T-71 PAVT.

UTILITY ADJUSTMENTS

Any and all work required for Public or Private Utilities shall be done by and at the expense of their respective owners.

SURPLUS MATERIAL

If, during construction, a surplus of material should develop between any division of haul, the surplus material within these divisions of haul shall if required be used on the project to reduce borrow, where and as directed by the Engineer, before any borrow excavation is allowed. If not required on the project the surplus material shall be disposed of as specified under Item E-1.07(a) or (b) of the Construction and Material Specifications.

DISPOSAL OF EXISTING PAVEMENT

The existing pavement used in the embankment shall be placed where and as directed by the Engineer.

PRIVATE DRIVE & EXTRA PAVEMENT

The placing of Private Drive and Extra Pavement both as to the location and amount, and the adjustments of grades of private drives will be determined by the Engineer during Construction.

Hand Finishing Item T-70.181 will be permitted on all private drive pavement.

EXIST. GUARD RAIL

All guard rail listed for Removing and Storing Item I-15 shall be hauled to the State Highway Maintenance Garage at Xenia, Ohio and there stored.

CONSTRUCTION OF CATCH BASINS

Flow line of all catch basins are to be constructed to meet the elevation of flow line of outlet pipe. Sumps shown on the Std. Dwg. are to be omitted.

REMOVING & STORING EXISTING PIPE

All pipe listed for Removing & Storing, Item I-6, shall be hauled to the State Highway Maintenance Garage at Xenia, Ohio and there stored.

LOCATION & SIZE OF EXISTING PIPE

The location, the depth and size of all existing pipes are shown as near their exact location and size as the available information will permit. The State of Ohio does not guarantee nor will they be responsible for any variations found during construction. Payment for removal will be made according to the listing as shown in these plans.

MAINTAINING TRAFFIC

This project will be constructed under traffic between the following stations: 0+00 to 17+00 and 76+00 to 130+63.63. Traffic shall also be maintained at all drives, approaches and intersections at all times.

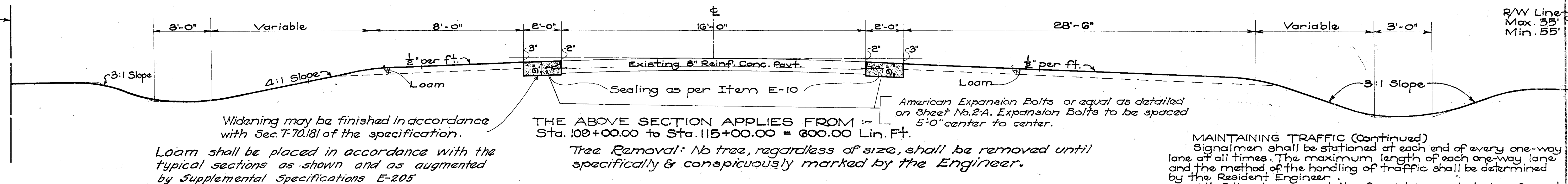
The Contractor shall plan and conduct his construction operations so that one-way traffic shall be maintained on this project at all times, except as noted on Bridge Sheet N° 96.

Where a temporary road is necessary the Contractor shall construct, maintain and remove the temporary road as directed by the Engineer. Gravel and calcium chloride for the temporary road is estimated and paid for under a separate item.

MAINTAINING TRAFFIC (Continued)

Signalmen shall be stationed at each end of every one-way lane at all times. The maximum length of each one-way lane and the method of the handling of traffic shall be determined by the Resident Engineer.

All of the above except the furnishing and placing of gravel and calcium chloride are included for payment in the price bid per lump sum for Maintaining Traffic.



CHECKED
Division Office: S.A. Date: 2-6-37
Central Office: Date:

LONGITUDINAL JOINTS

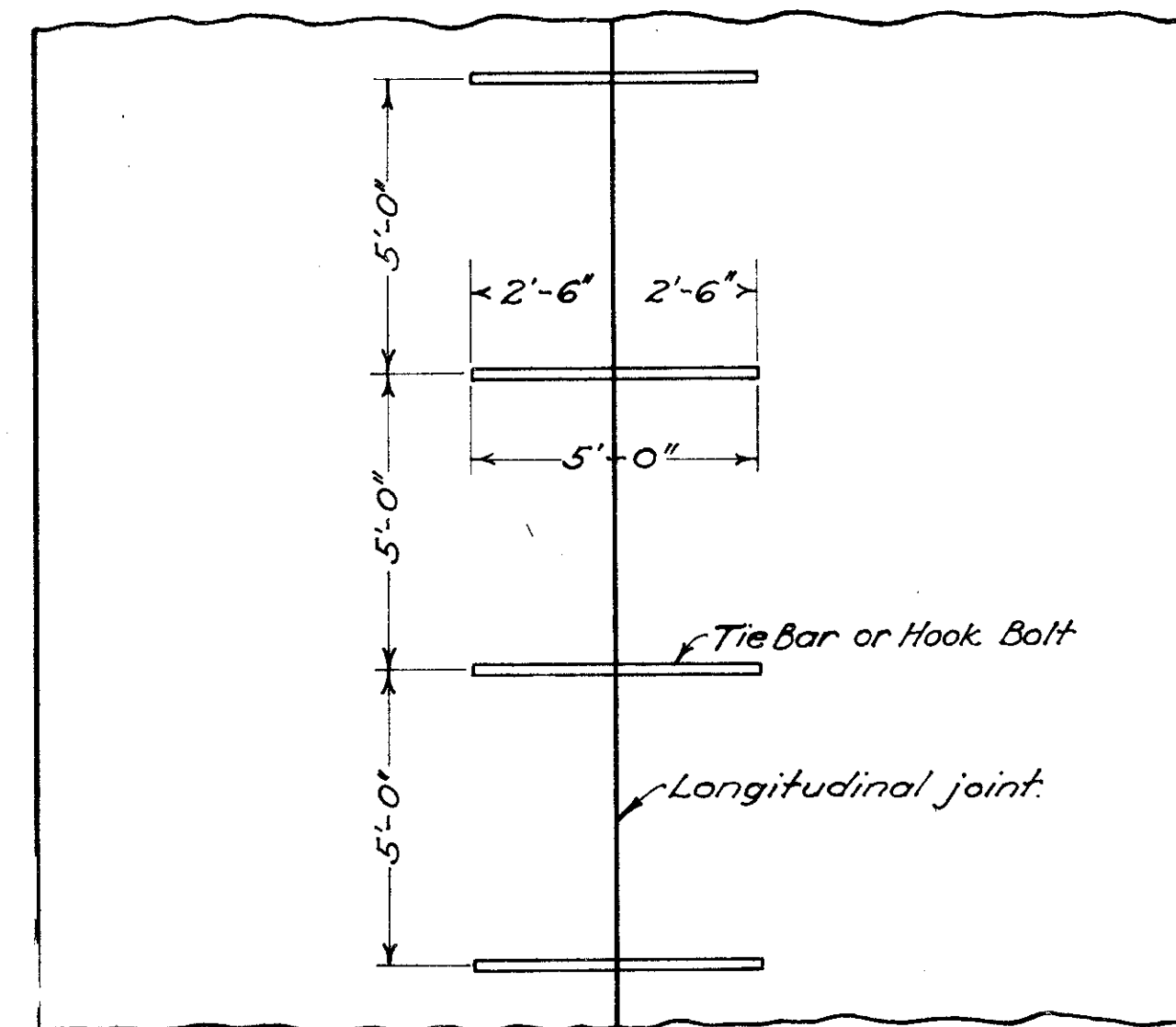
FED. RD. DIST. NO.	STATE	FEDERAL AID PROJECT	FISCAL YEAR	2-A
10	OHIO	339 RE UN-1	1937	105

GREENE COUNTY
S.H. 195 SEC. H & F (PT.)

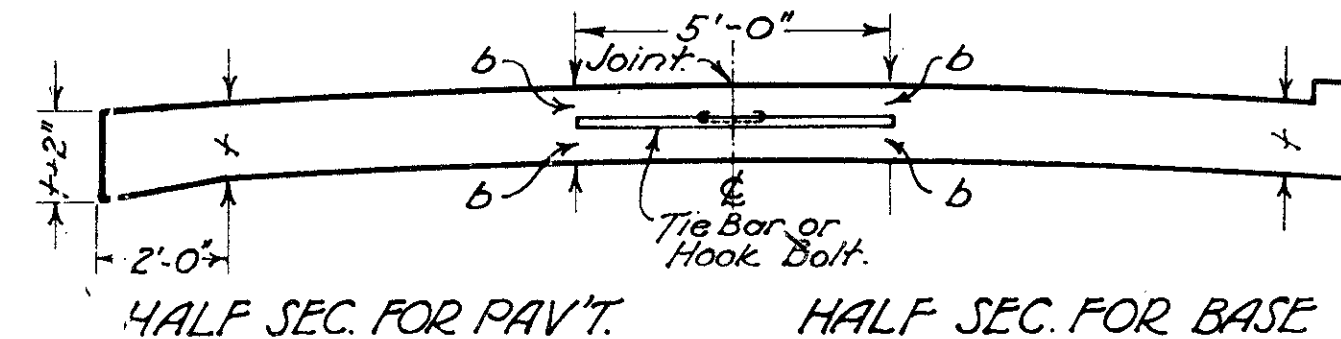
GENERAL—Longitudinal joints shall be used when called for on the typical section, and shall be constructed as shown on this sheet.
The longitudinal joint between adjoining slabs poured in separate operations shall be a key joint with American hook bolts or equal, spaced 5'-0" center to center.
Tie bars to be 1/2 inch round, deformed bars placed 5 foot centers extending across joint.
A satisfactory device shall be used to hold the tie bars in proper position.

Key joints used in part width construction shall be painted with two coats of Filler as per Supplemental Specification No. 78 before the adjoining slabs are poured.

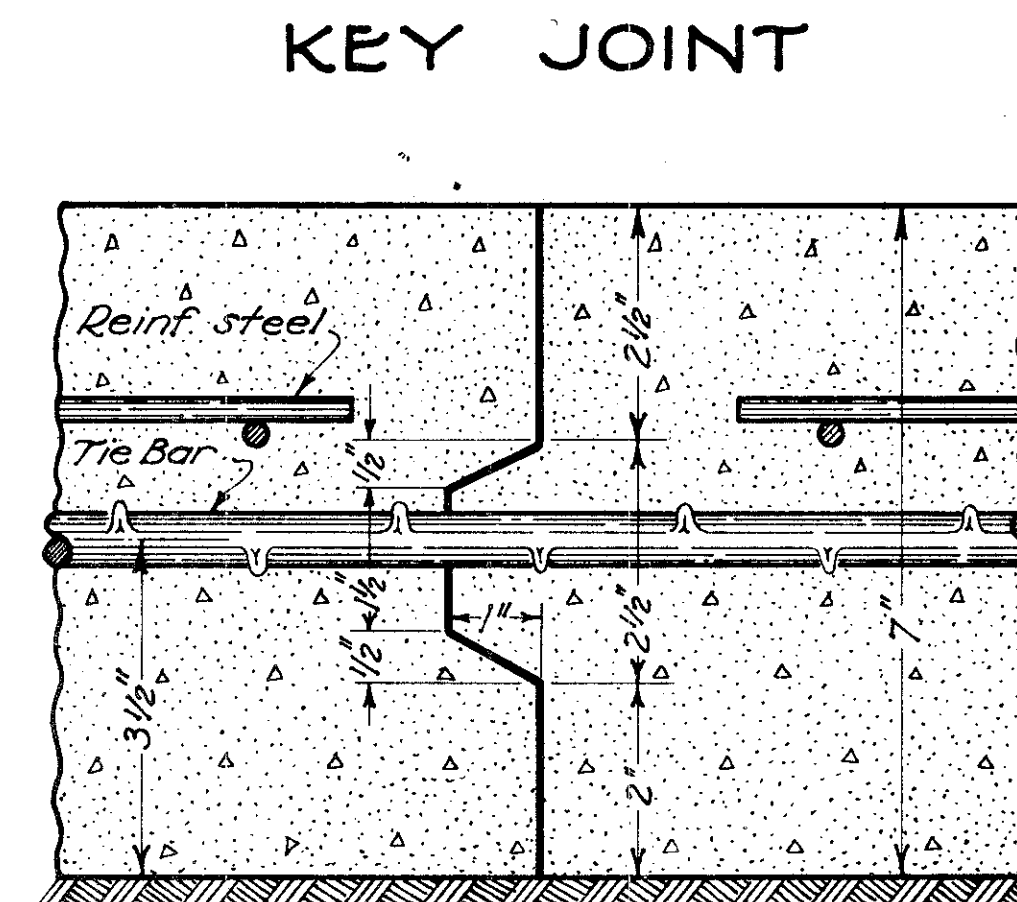
The Metal, Key, and Premolded Joints shall not be edged.



HALF PLAN FOR PAV'T. HALF PLAN FOR BASE

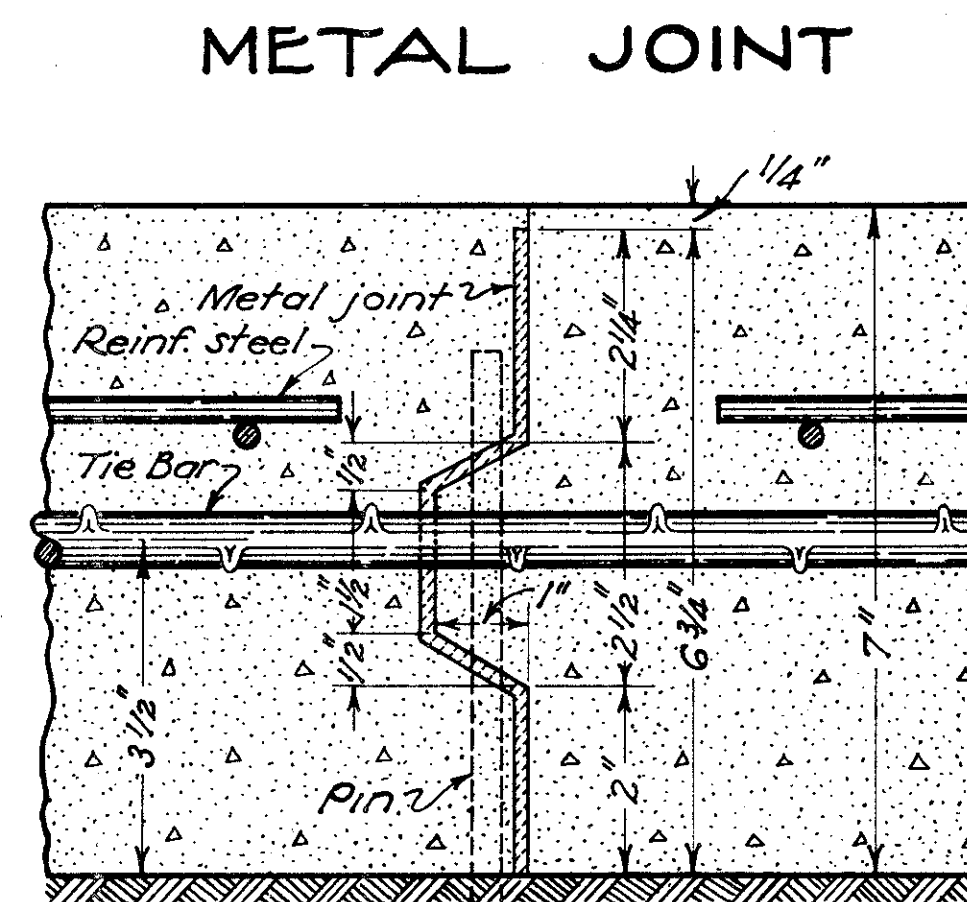


HALF SEC. FOR PAV'T. HALF SEC. FOR BASE



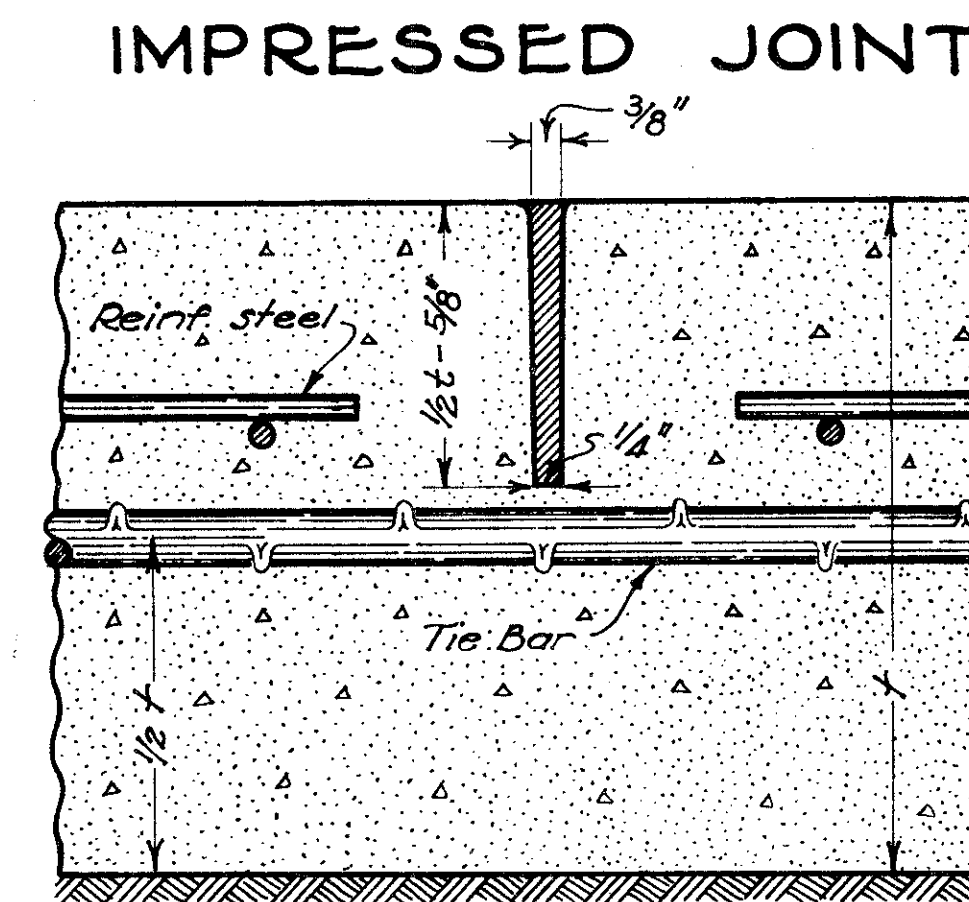
DETAIL OF JOINT

Note:—This joint is designed for 7" slab. When a greater or less thickness is used the joint shall be proportionally designed. Other deformations may be used if approved by the engineer.



DETAIL OF JOINT

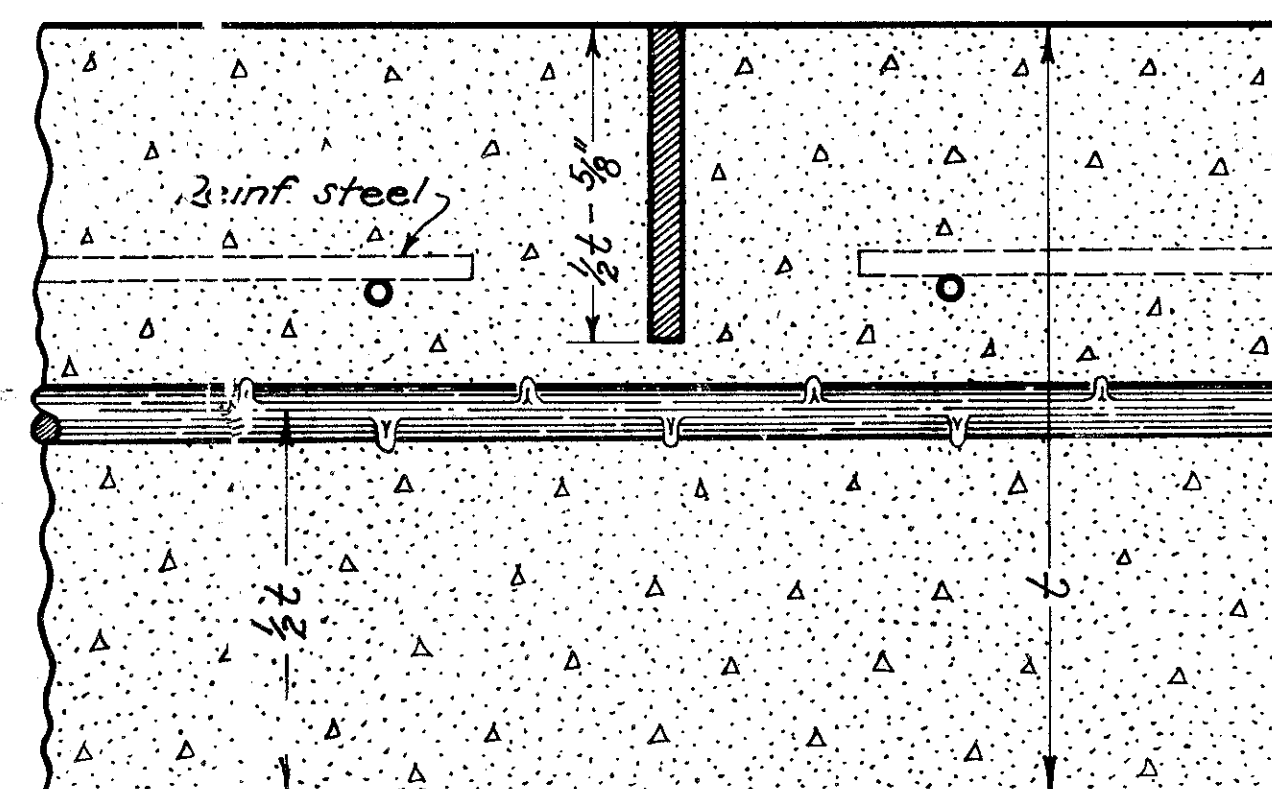
Note:—This joint is designed for 7" slab. When a greater or less thickness is used the joint shall be proportionally designed to extend within 1/4" of the surface of the slab. Other deformations may be used if approved by the engineer.



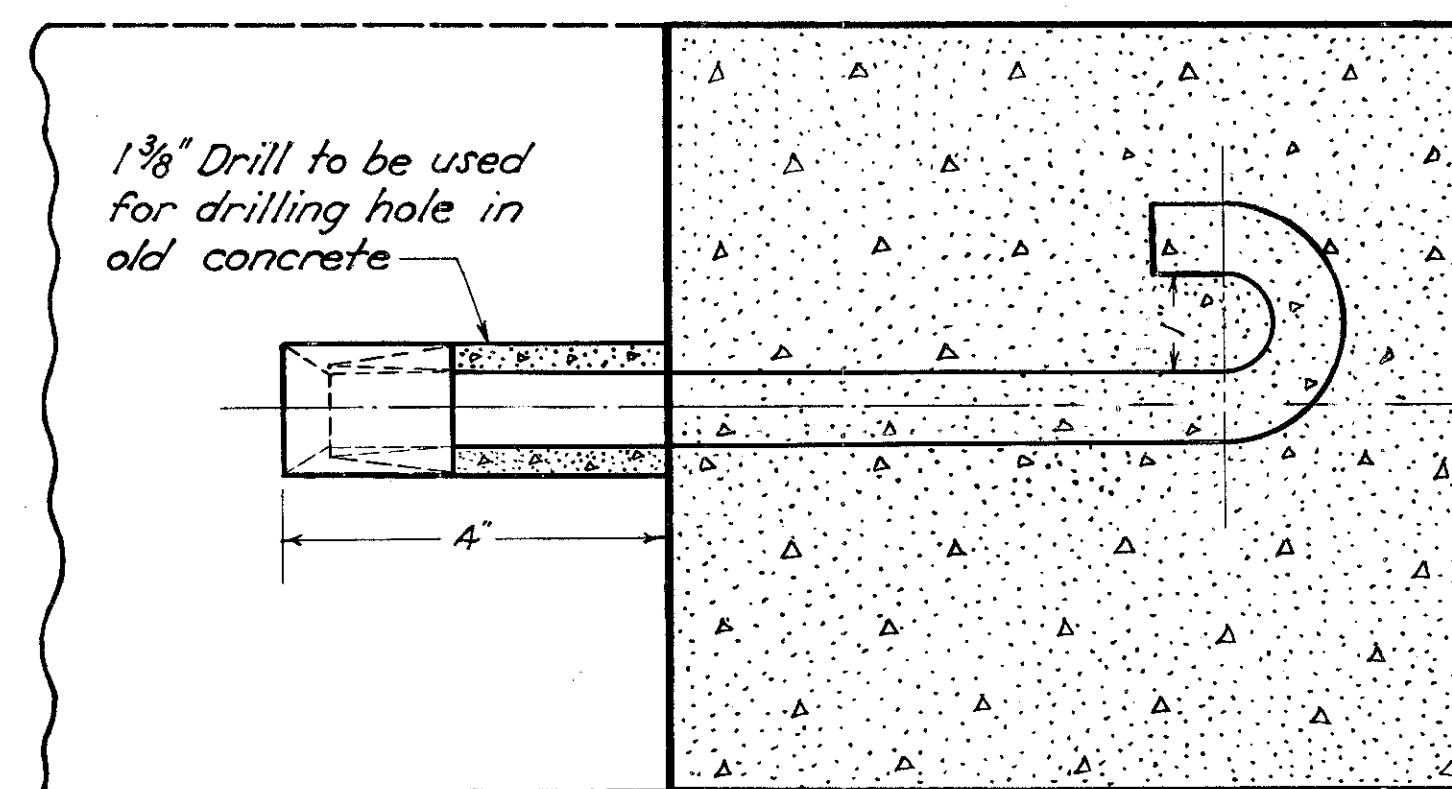
DETAIL OF JOINT

DESCRIPTION:—This joint shall be formed by impressing a device or bar into the newly deposited concrete before initial setting. The device or bar shall be removed as soon as the concrete is in such condition as to preclude or distortion or injury to the concrete. The groove thus formed shall be on the center line unless otherwise shown on the plans, and of the dimensions as detailed above. After the joint is formed it must be protected from dirt and foreign matter until the filler is placed. The joint shall be filled to the surface with filler as per supplemental specification No. 78, in lieu of the requirements under sections B-71.033 and T-71.034.
The Filler shall be handled in such a manner that it will be confined to the joint and in no wise mar the surface.

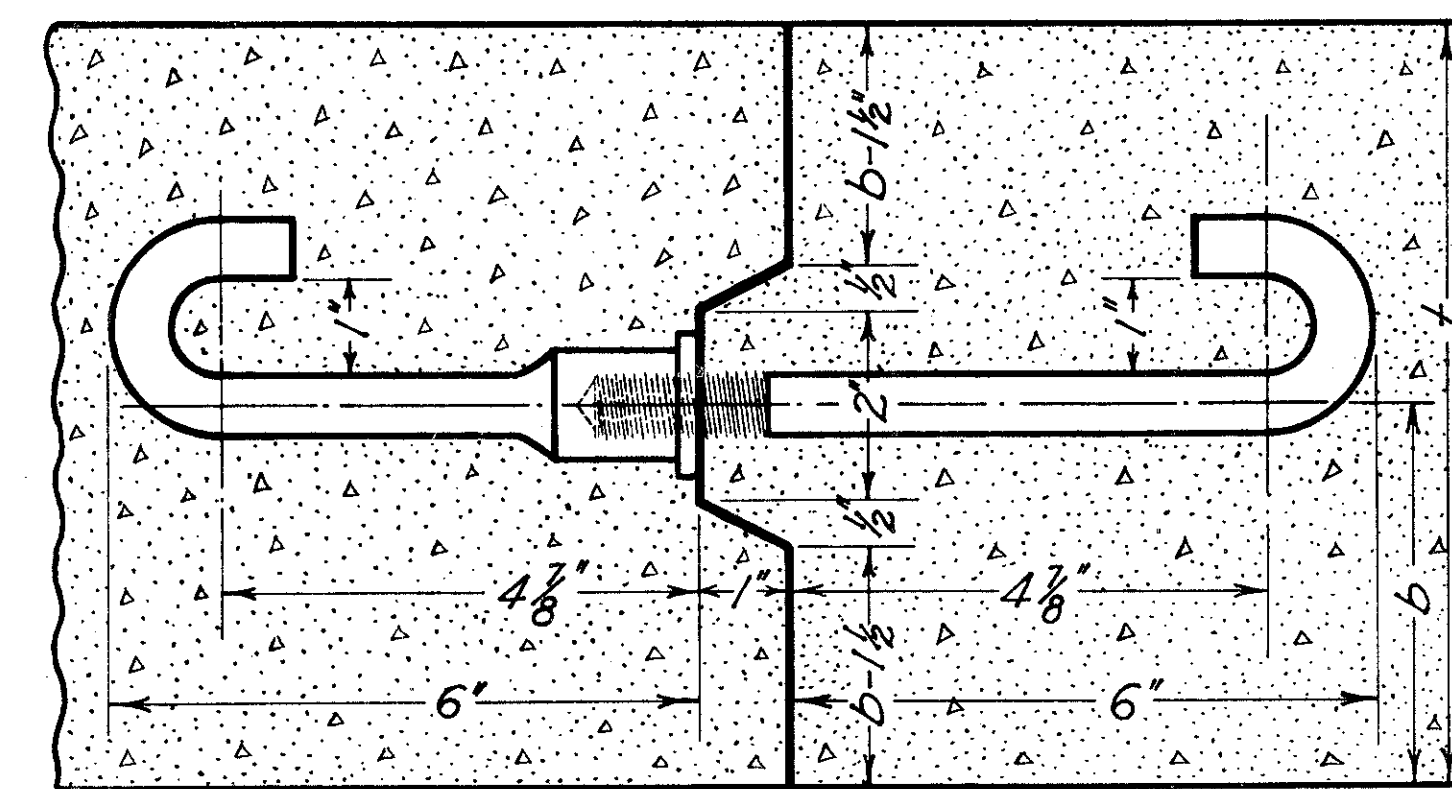
PREMOLDED JOINT



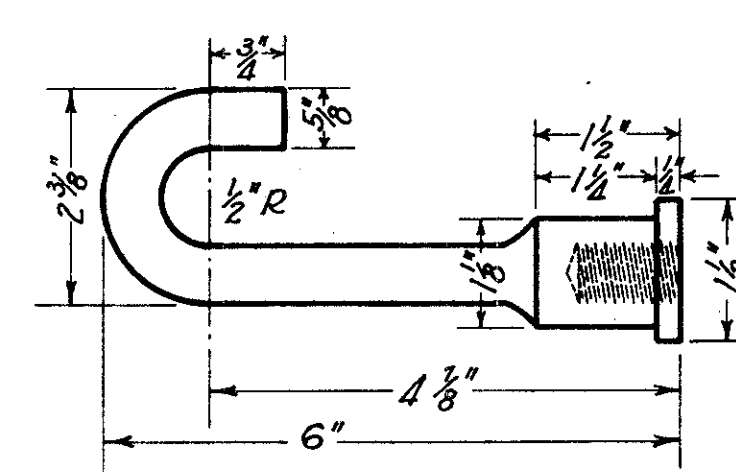
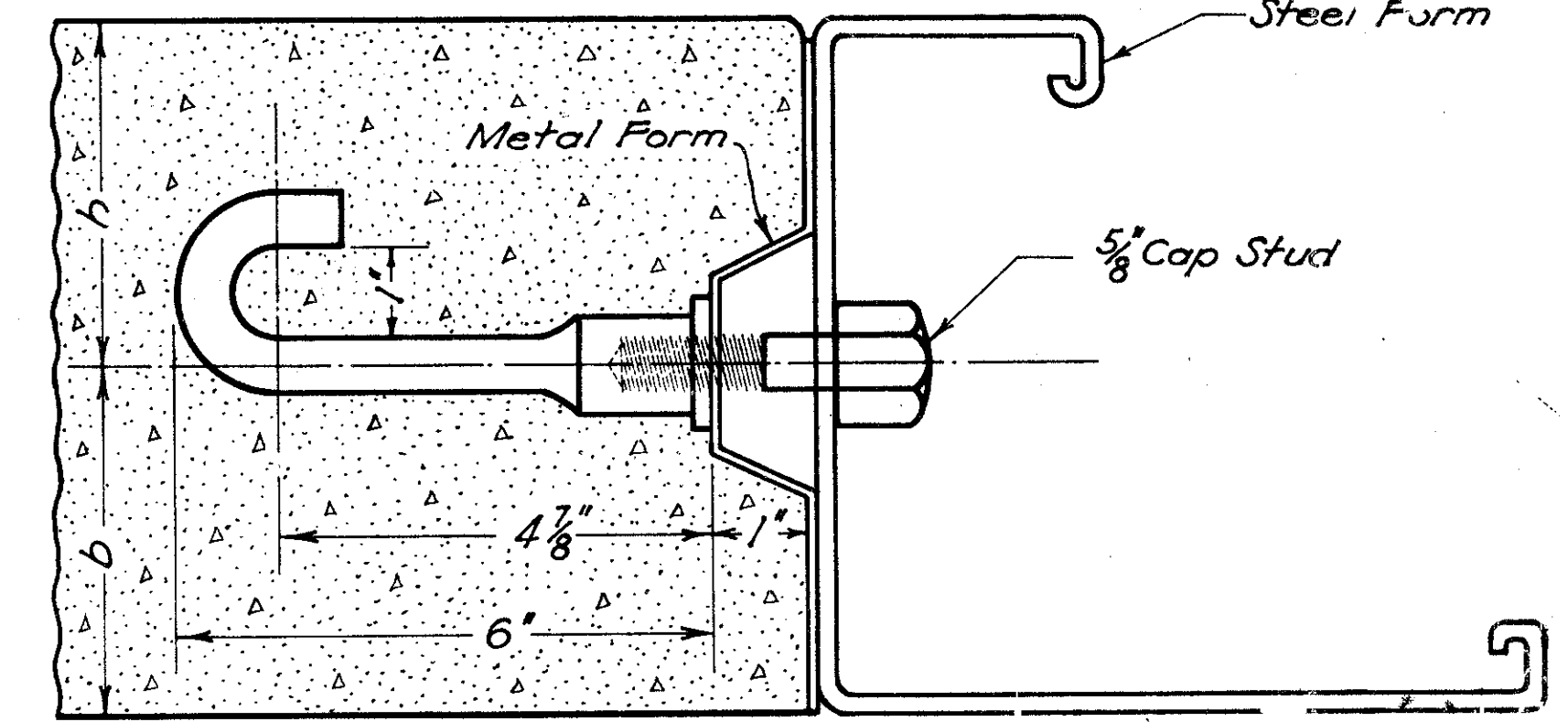
EXPANSION BOLT JOINT



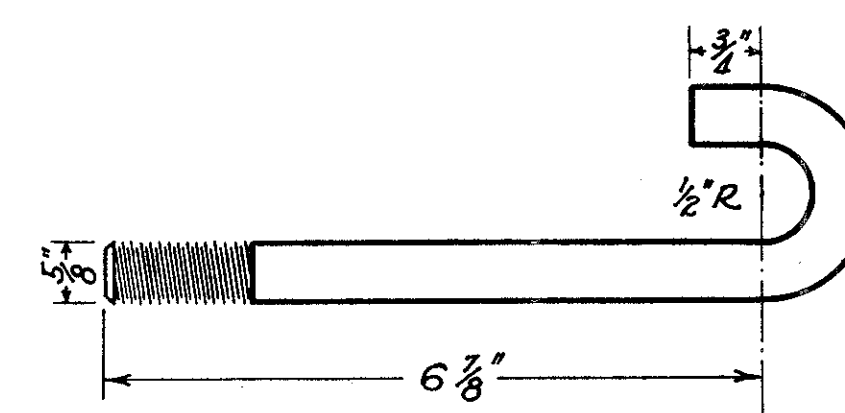
HOOK BOLT AND KEY JOINT



ACCEPTABLE METHOD OF FORMING JOINT

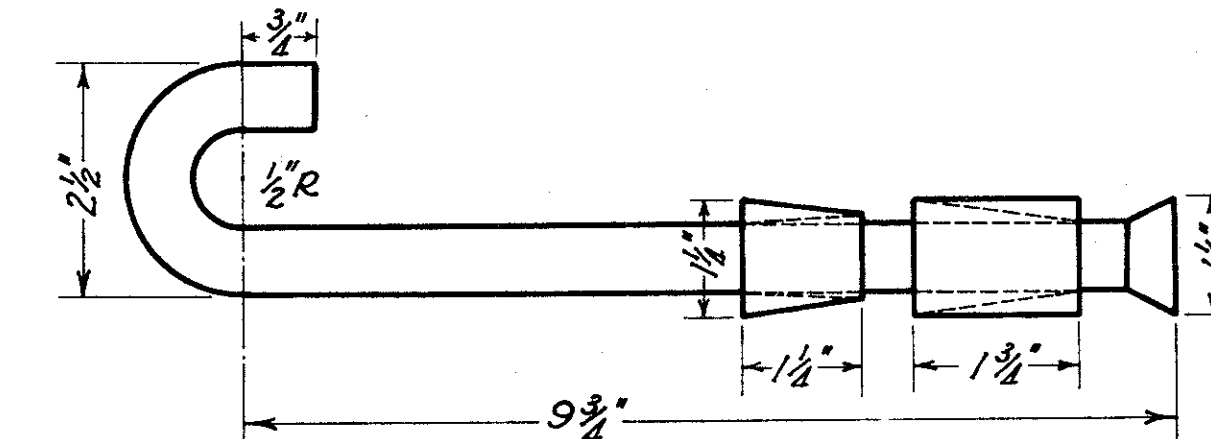


INSERT



HOOK BOLT

HOOK BOLT DETAIL



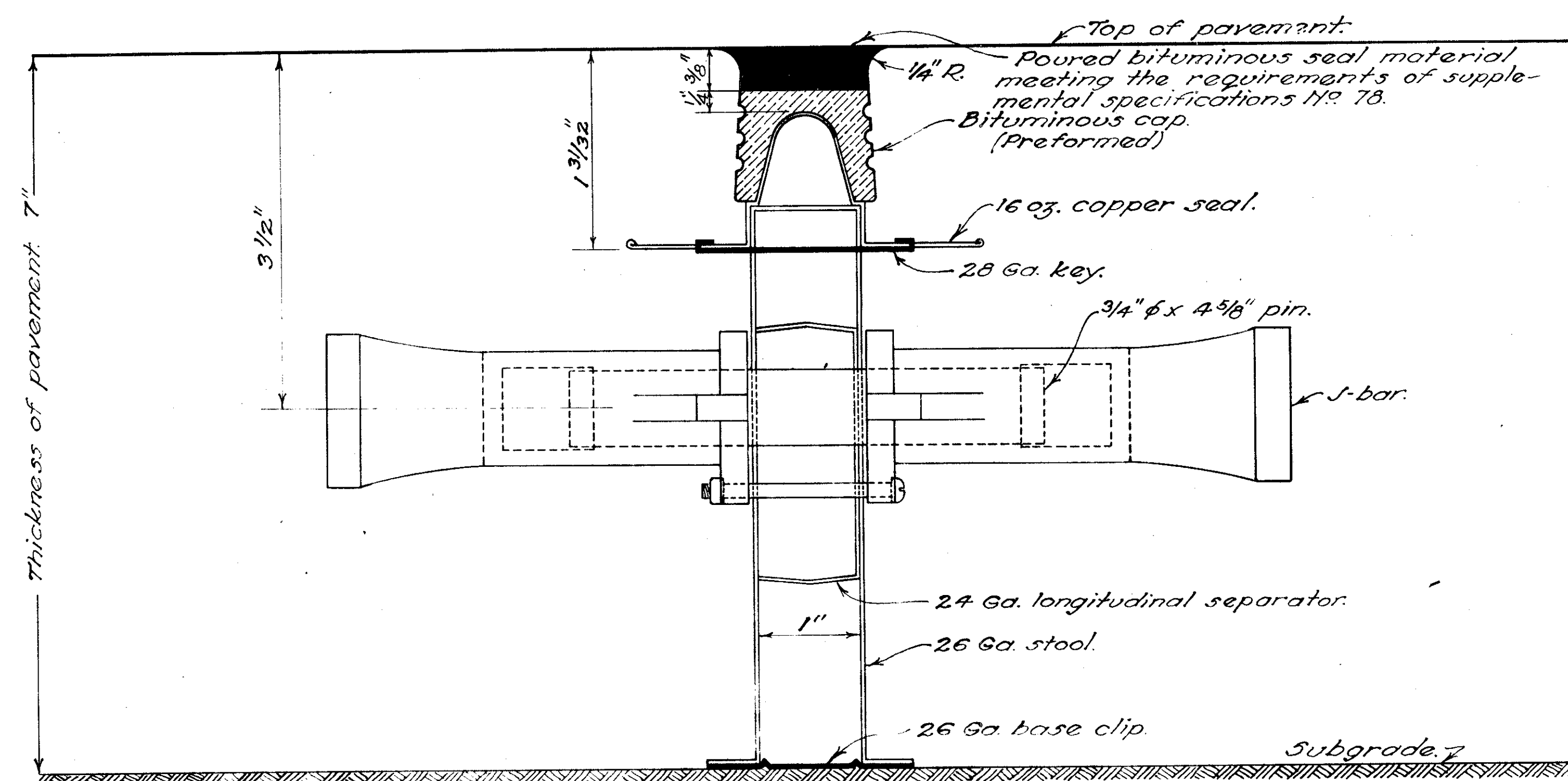
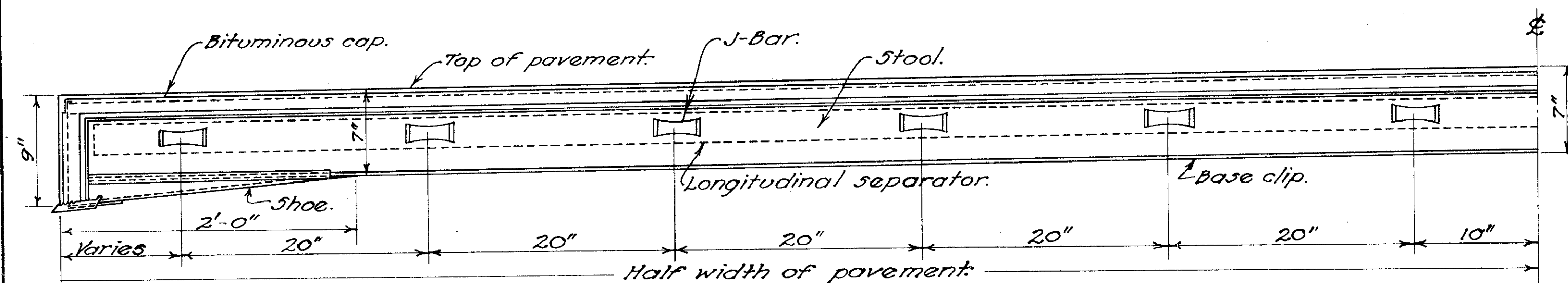
EXPANSION BOLT DETAIL

TRANSVERSE JOINTS

FED. RD. DIST. NO.	STATE	FED. AID PROJECT	FISCAL YEAR	2-B
10	OHIO	339 RE. UN-1	1937	105

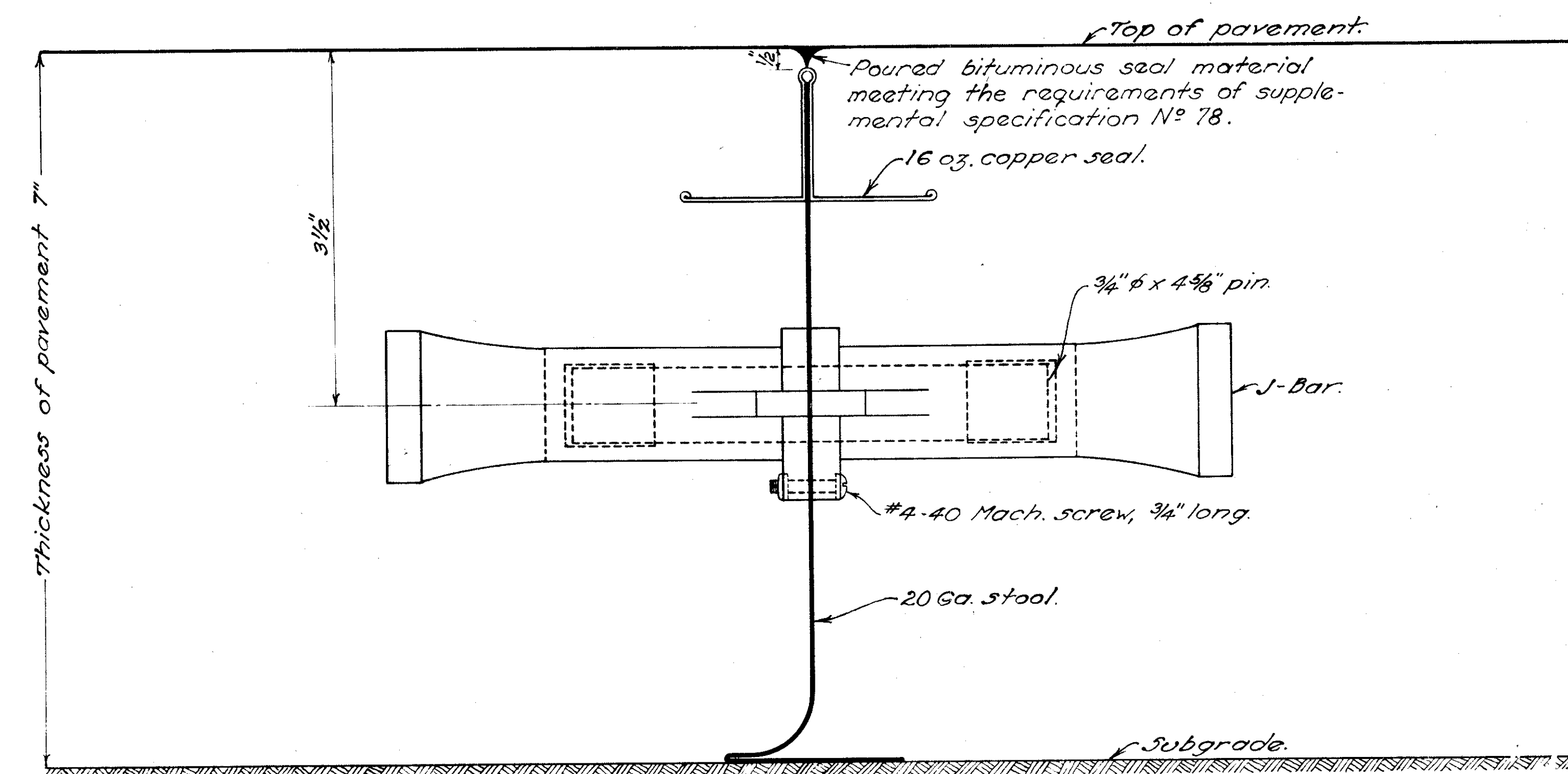
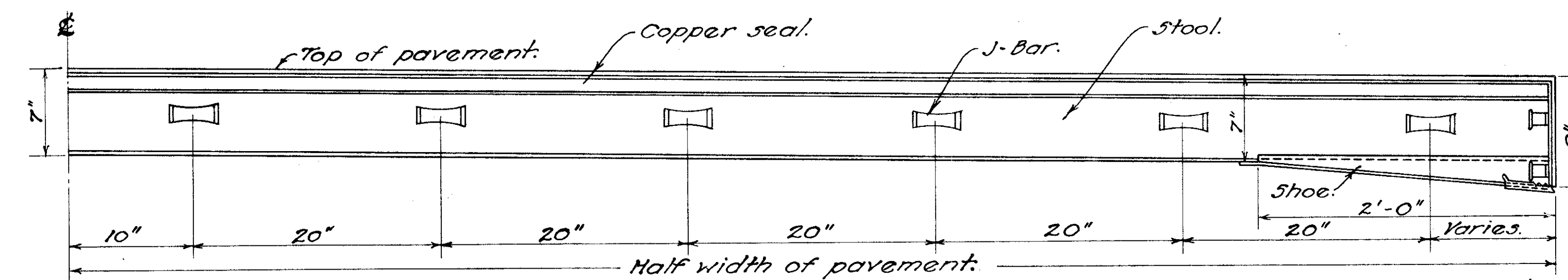
GREENE COUNTY
S.H. 195 SEC. 4 H & F (PT.

EXPANSION JOINT

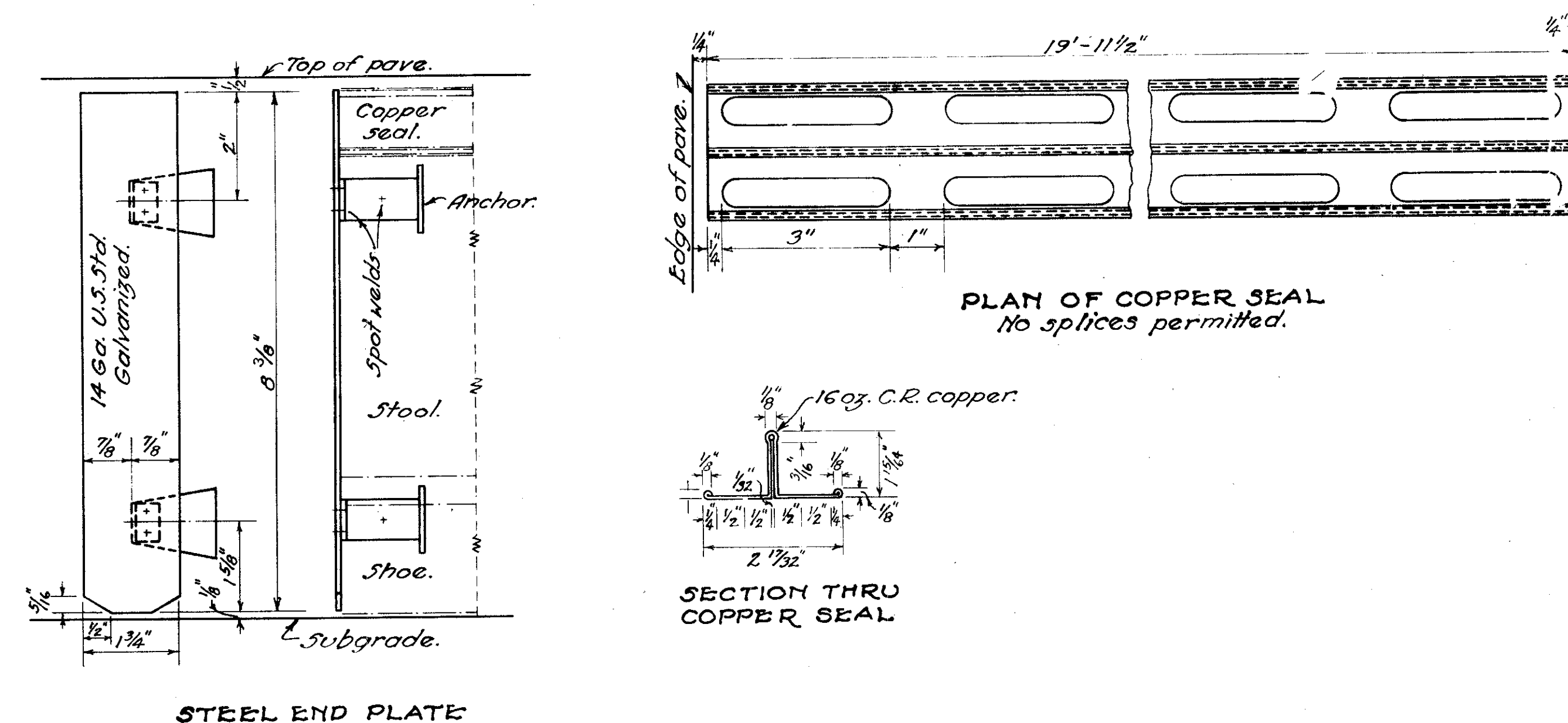
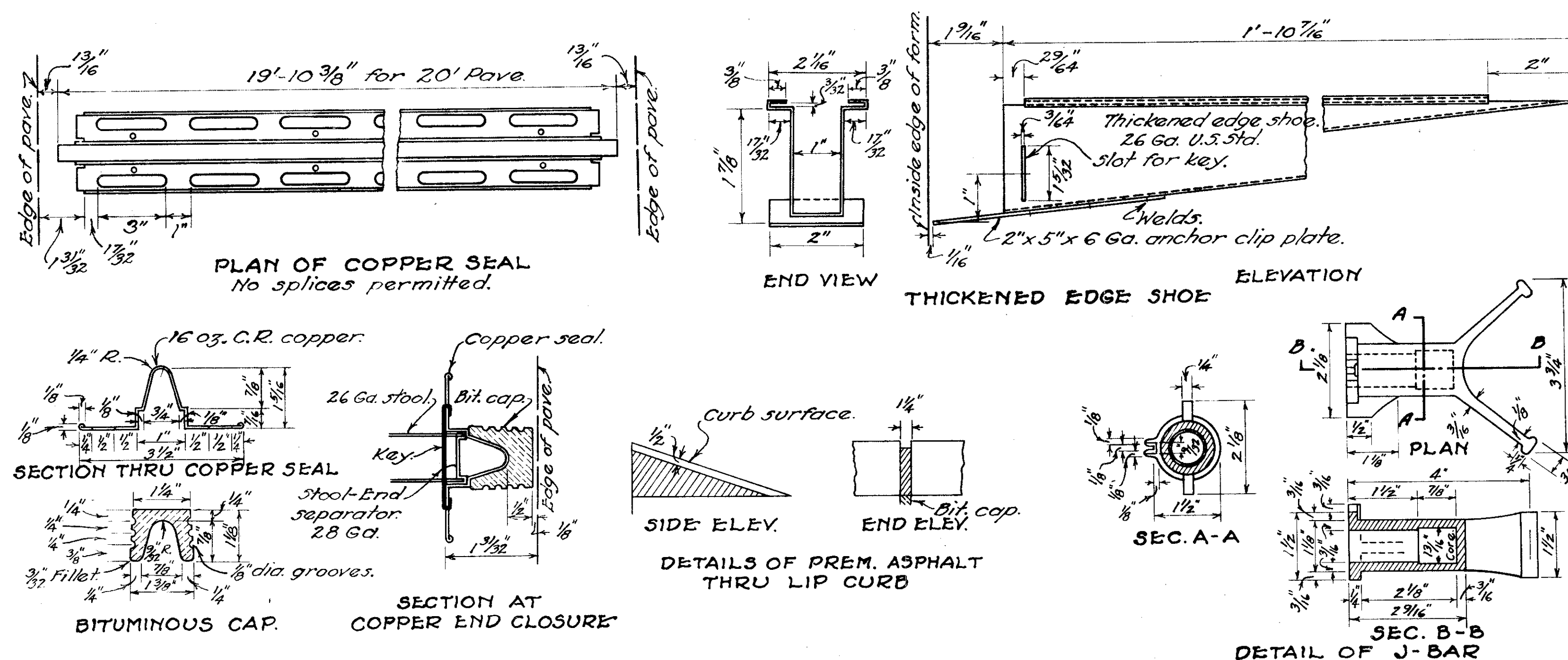


TYPICAL SECTION OF JOINT

CONSTRUCTION JOINT



TYPICAL SECTION OF JOINT



TJ-1

FED. RD. DIST. NO.	STATE	FED. AID PROJECT	FISCAL YEAR	2-C 105
10	OHIO	339 RE.UN-1	1937	

#18 U.S.G.
STAKE
TJ-2

GREENE COUNTY
S.H. 195 SEC. 11 H & F (PT.)

ELEVATION OF JOINT

ELEVATION OF JOINT

TYPICAL SECTION OF JOINT

TYPICAL SECTION OF JOINT

TYPICAL SECTION OF JOINT

[illegible]

24 Ga. black steel.
BOTTOM SHOE DETAIL

Diagram illustrating the plan of a copper seal, showing slotted stake holes and staggered centers.

Labels and dimensions:

- $\frac{3}{16} \times \frac{1}{16}$ slotted stake holes.
- 4" (distance between stake holes)
- On 4" centers staggered (distance between staggered centers)

16 oz. copper
PLAN OF COPPER SEAL

SECTION

18 Ga. hot rolled steel.
BOTTOM SHOE DETAIL

Technical drawing of a door assembly showing dimensions for the end cap and clips. The drawing includes a side view of the door with three clips and a top view of the end cap. Dimensions are given in inches.

Top View Dimensions:

- End cap width: $3\frac{3}{4}$ "
- End cap height: $1\frac{1}{2}$ "
- End cap thickness: $2\frac{1}{4}$ "
- End cap offset: $1\frac{1}{8}$ "

Side View Dimensions:

- Clip height: $5\frac{1}{8}$ "
- Clip offset: $1\frac{1}{2}$ "
- Clip width: $4\frac{1}{4}$ "
- Clip spacing: $8\frac{1}{2}$ "
- Clip thickness: $1\frac{1}{2}$ "

Legend:

- Ca - 14 Ga. galv. steel.
- Clips - 18 Ga. galv. steel.

16 oz. copper
END CAP DETAIL

Technical drawing of a bituminous car component. The top part shows a cross-section of a trapezoidal shape with dimensions: top width 1", bottom width 3 1/16", height 3/8", and side angle 38°. A 3/32" R fillet is indicated at the bottom corner. The bottom part shows a side view of a rectangular component with a total length of 7 5/16" and a height of 1 3/32". It features five circular holes with a diameter of 3/16" and a center-to-center spacing of 1 3/8". The bottom edge is slotted with a 1/2" x 1 1/4" slot. Dimensions for the slots are 1 1/4", 3/8", 1 1/4", 3/8", 1 1/4", and 3/8". The bottom edge is labeled 1 3/32" and 7/16".

BITUMINOUS CAR

3/16" diam. holes punched and extruded after assembly.

7 5/16"

1 1/4" 3/8" 1 1/4" 3/8" 1 1/4" 3/8"

1 3/32"

7/16"

1/2" x 1 1/4" slotted holes, punch after assembly, 24 Ga. black steel.

END CAR ANGLE

Technical drawing of a Stake Spacer. The top view shows a rectangular piece with a central slot. Dimensions include: top width of $1\frac{1}{2}''$, top slot width of $\frac{1}{2}''$, middle slot width of $\frac{3}{16}''$, middle slot depth of $\frac{1}{4}''$, bottom slot width of $\frac{1}{4}''$, and a bottom fillet radius of $\frac{1}{4}'' R$. The side view shows a height of $1\frac{7}{8}''$ and a top fillet radius of $\frac{1}{8}'' R$. Below the top view, the text reads: "18 G^a black steel. STAKE SPACER".

[illegible]

SECTION G-G

18 Ga. steel.

G — G

$\frac{1}{4}" R.$

→ Approx. 11" Crimps approx 18" ctrs.

STOOL SHOWING CRIMP

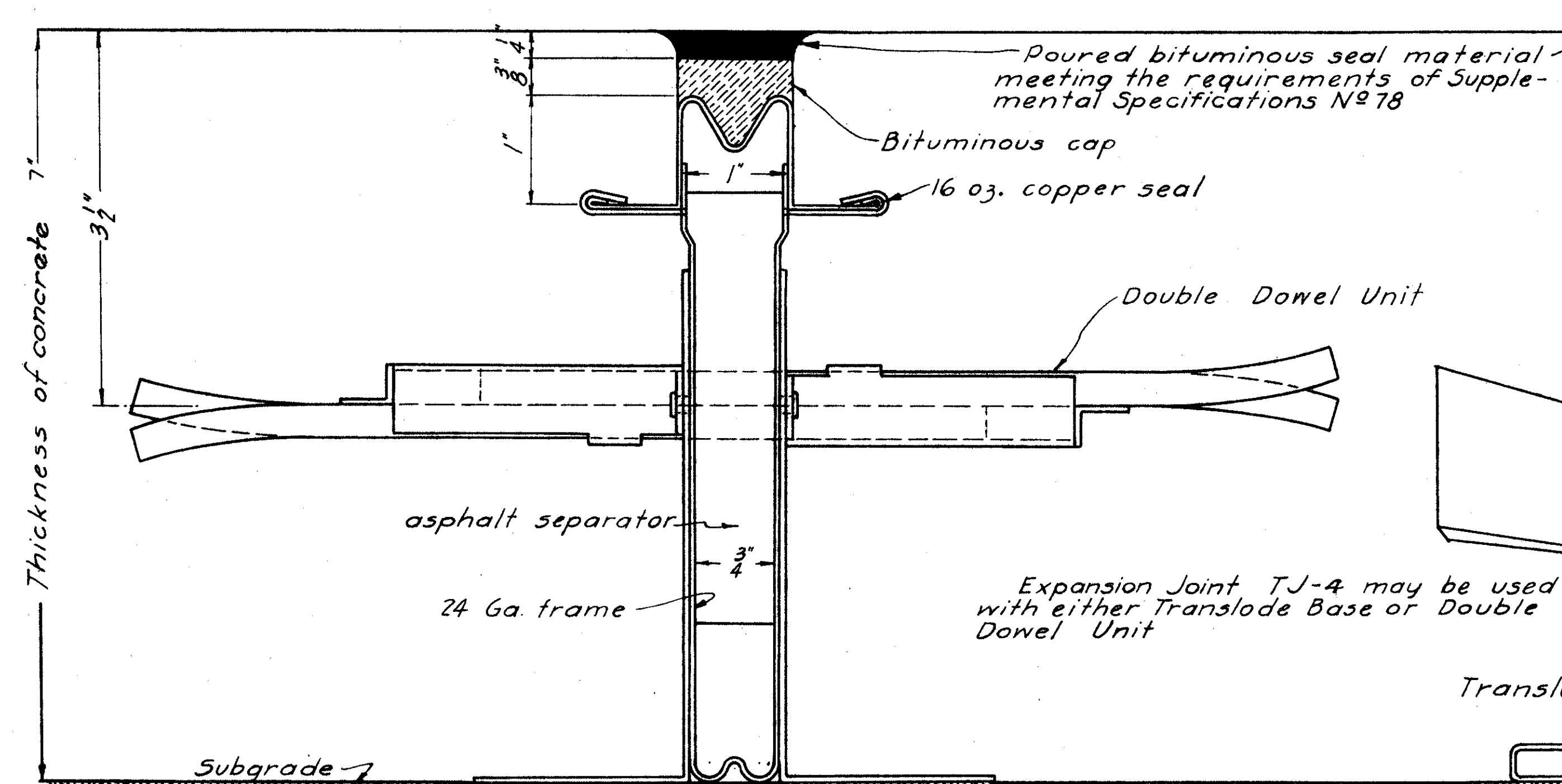
A hand-drawn diagram showing the final assembly of a joint. A vertical rod is shown with a horizontal bar attached to its top. The rod has a 'J-bar' at the top and a 'stool' below it. A 'Bottom shoe' is attached to the rod, and a 'slit and bend' is indicated on the rod. The rod is labeled with '2" x 1 3/16" slots' and 'inch after assembly, signing with holes in upper seal.' The text 'END OF JOINT' is written at the bottom.

TJ-

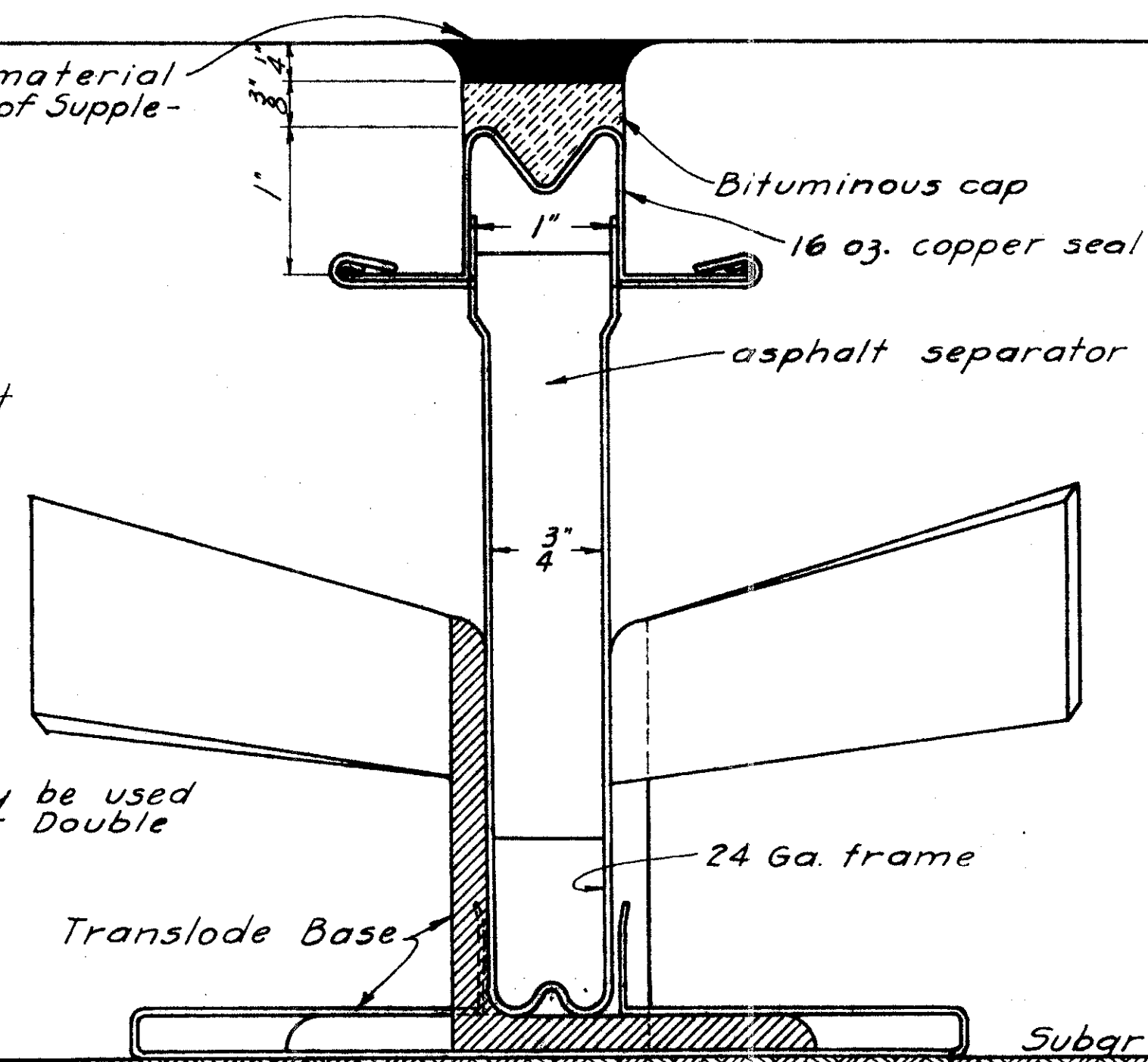
FED. RD. DIST. NO.	STATE	FED. AID PROJECT	FISCAL YEAR	
10	OHIO	339 RE.UN-1	1937	

ELEVATION OF JOINT

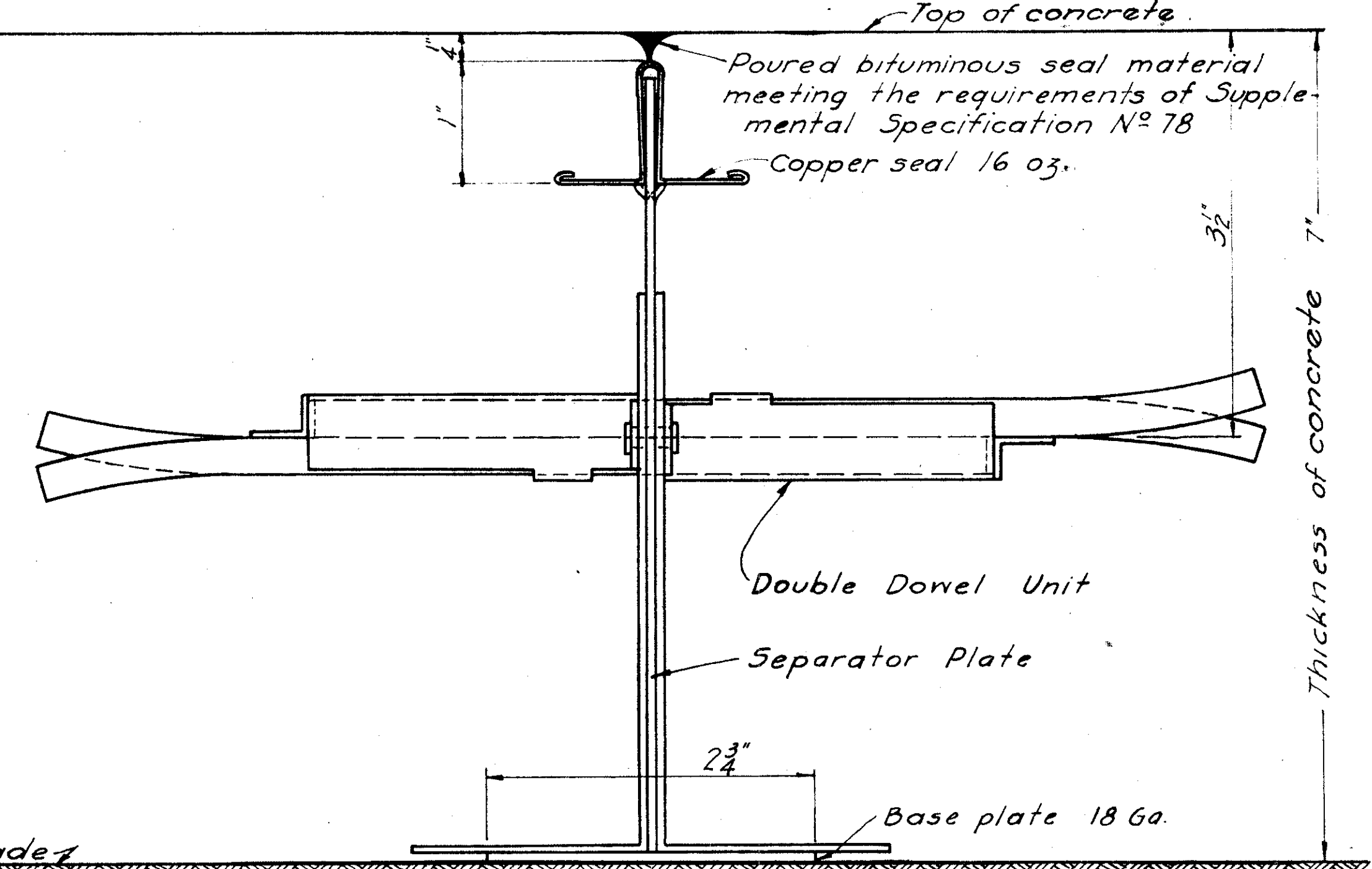
ELEVATION OF JOINT



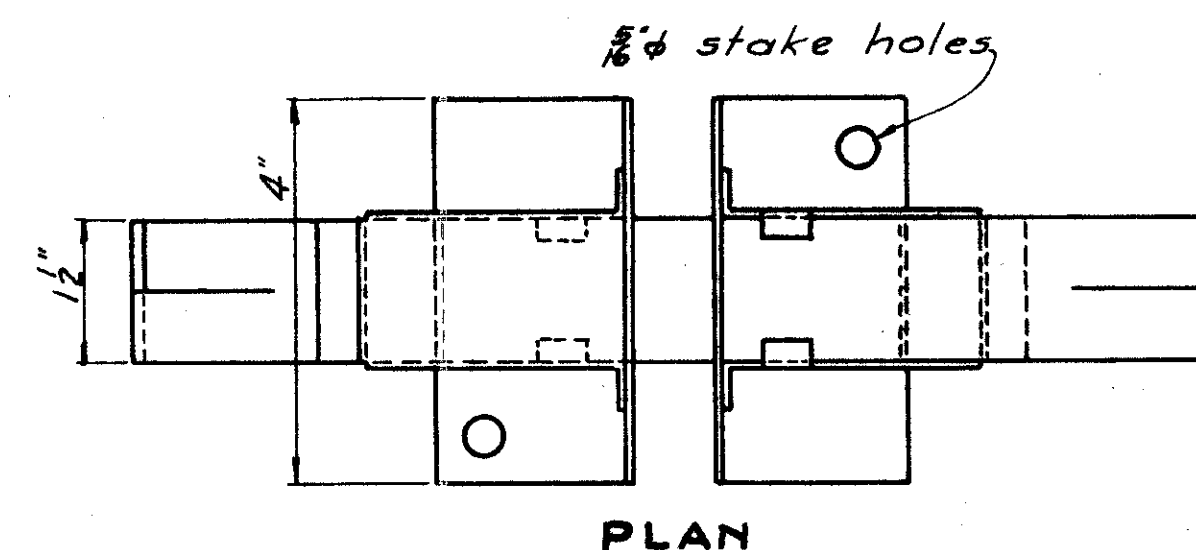
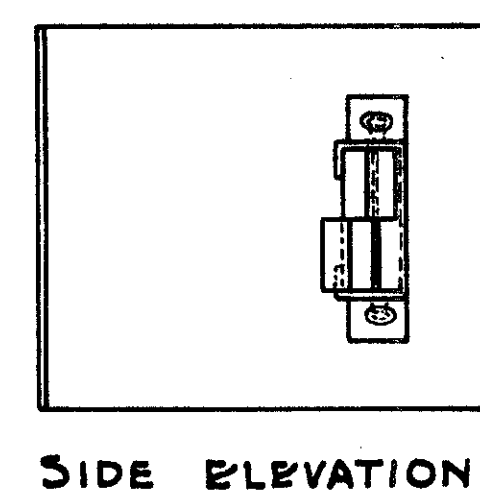
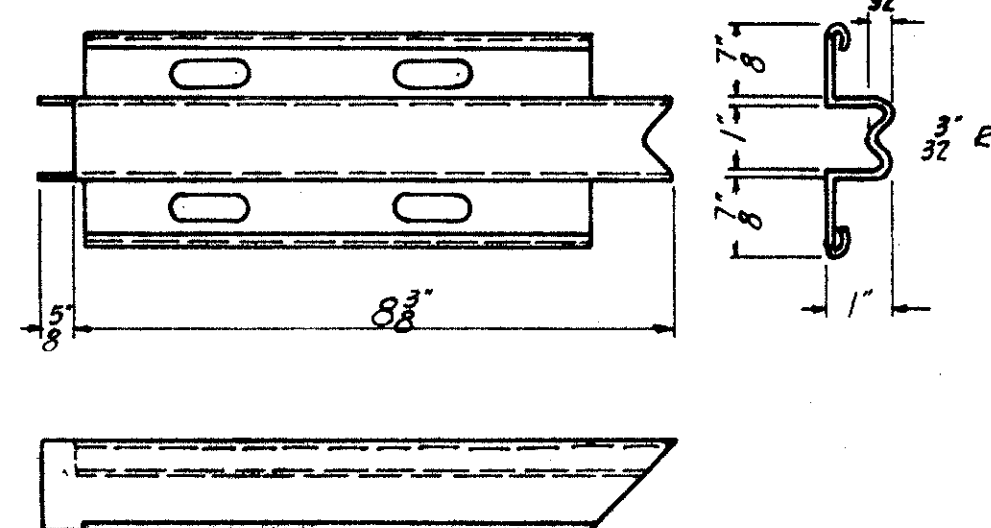
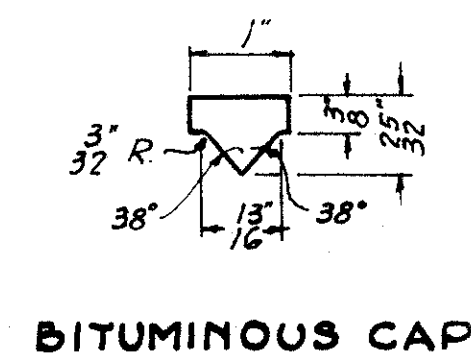
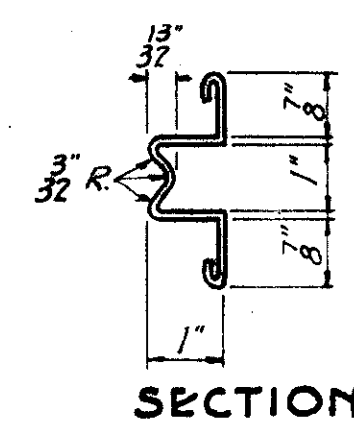
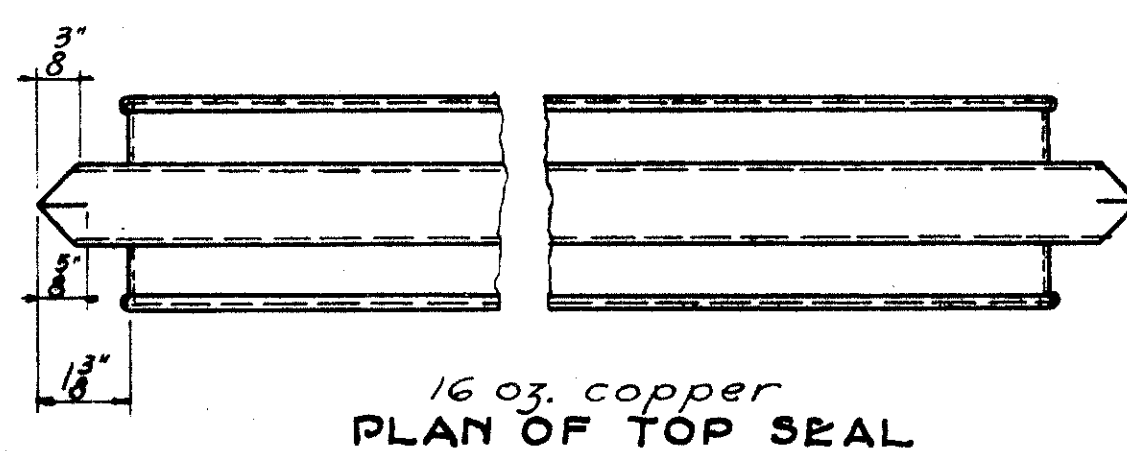
TYPICAL SECTION OF JOINT



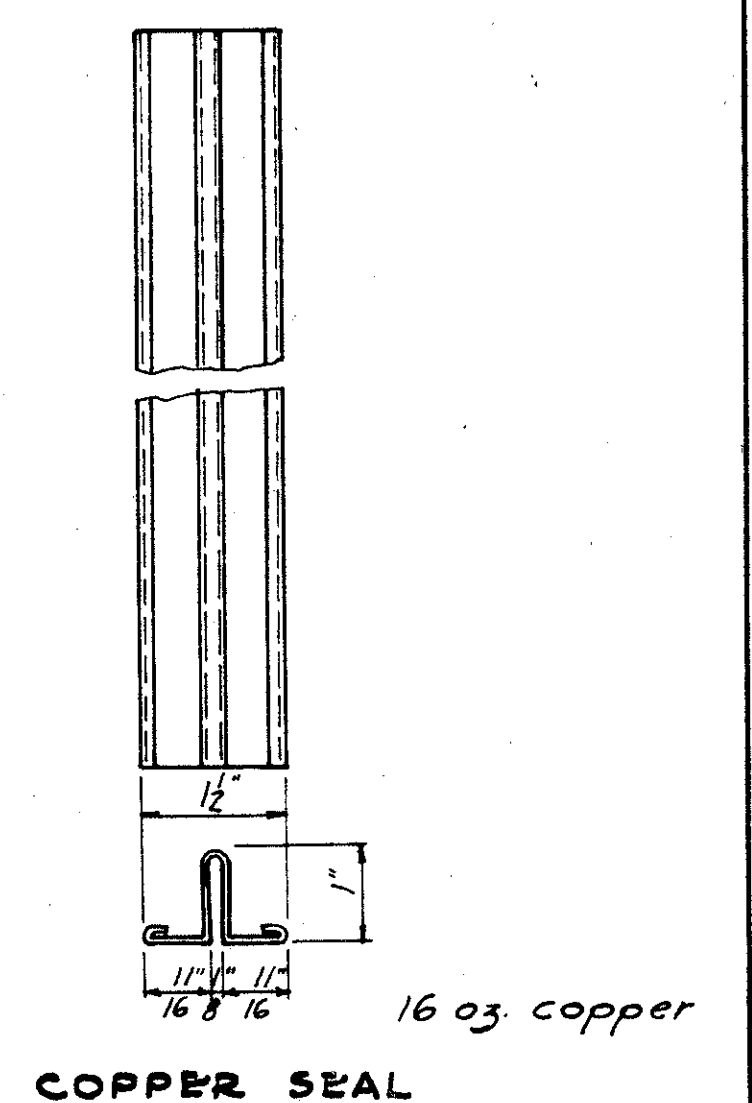
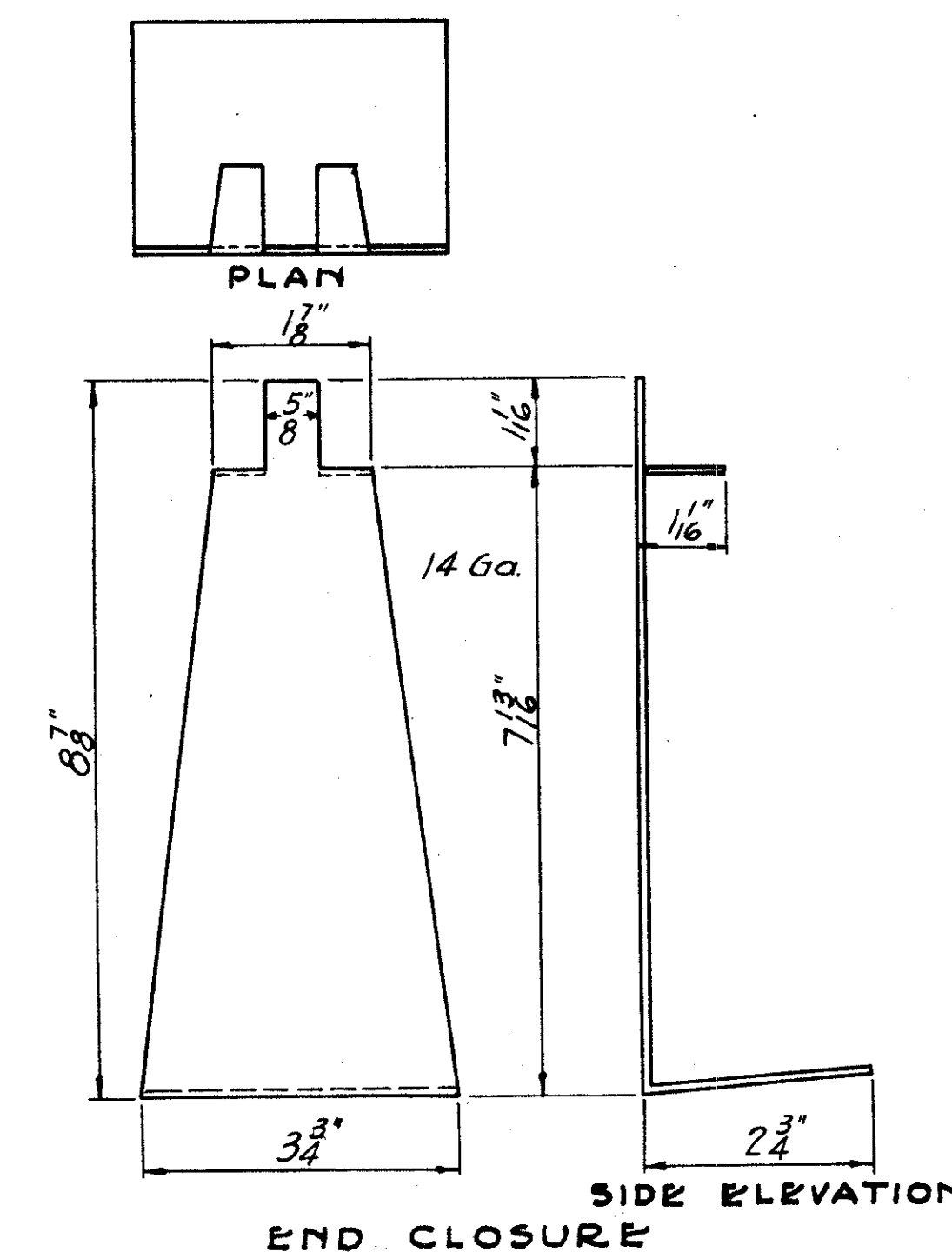
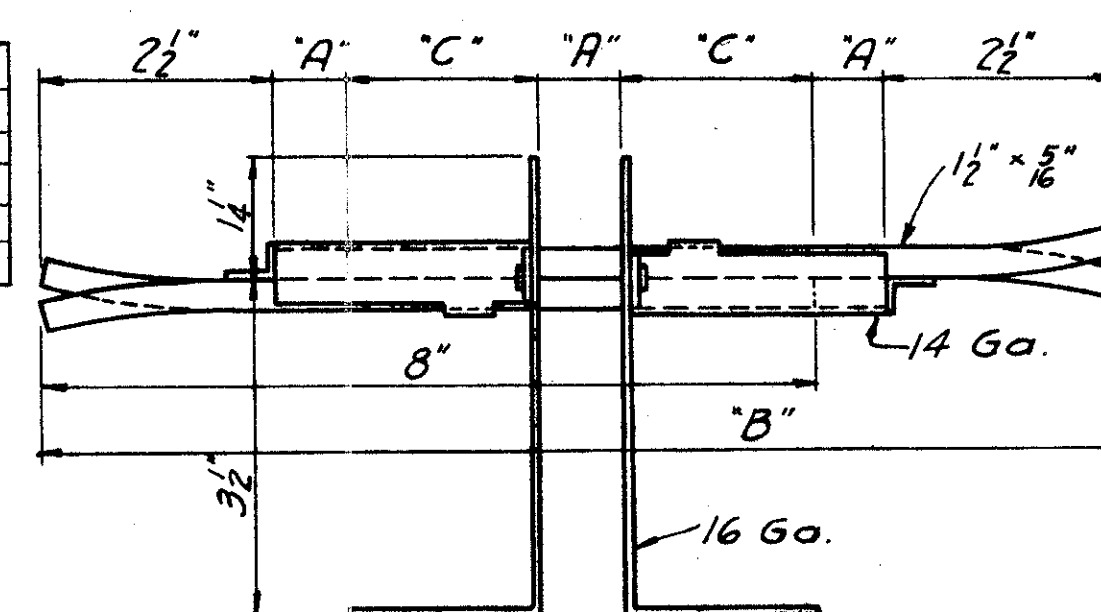
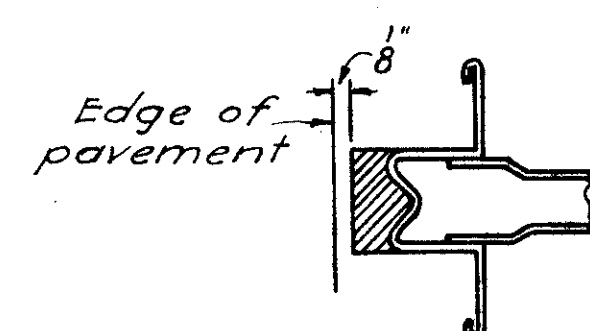
TYPICAL SECTION OF JOINT



TYPICAL SECTION OF JOINT



Dimension A' for expansion joint - 1 1/2"					
"	"	"	"	"	" = 1 1/2"
"	"	"	"	"	" = 1 1/2"
"	"	"	"	"	" = 1 1/2"
construction					
"	"	"	"	"	" = 2 1/2"
"	"	"	"	"	" = 10 3/4"
"	"	"	"	"	" = 2 1/2"



TJ-4

GREENE COUNTY S.H. 195 SEC. H & F Pt. FLARE, PRIVATE DRIVES AND SIDEWALKS

Station	Side	Reinf. Pav't. (Deduct) Item F-7	6" Conc. Traffic Pav't. (Deduct) Item F-10	4" Conc. Bound Conc. Curb (Deduct) Item I-17	4" Conc. Bound Conc. Curb (Deduct) Item I-12	4" Conc. Bound Conc. Curb (Deduct) Item I-13	Removal Sec. & Disposal Sheet
0+00-0+10.78	Rt.	2.3	6.0	21.56	22.08		56
0+24.5	Rt.						56
1+05.3	Rt.						56
1+23.9	Rt.	14.2				42.0	56
1+28.3	Rt.	5.6					56
1+63.8	Rt.						56
1+67.63	Rt.	99.6		60.36	71.71	31.5	78.00
2+40	Rt.						56
2+75-5+50.5	Rt.	60.4	80			28.5	57
2+75.8	Rt.	8.6					56
3+10.5	Rt.					62.4	56
3+63.8	Rt.	9.8	3				57
5+55.5	Rt.	10.0	3				57
TOTALS		2.3	214.2	90	81.92	93.79	164.4

PIPE REMOVAL

Stations	Side	Remove & Store Exist. 10" Drain Item I-6 Lin. Ft.	Remove & Store Exist. 8" V.S.P. Item I-6 Lin. Ft.	Abandon Exist. Catch Basin Item-Special Each
0+01	Rt.			
0+01-1+39	Rt.	198		
0+35-1+37	Lt.		102	
TOTALS		198	102	1

STRUCTURES 20 FT. SPAN & UNDER

No.	Station	Existing Structure To Be Removed	Proposed Structure	See Sheet No.
1	1+39	Vit. Pipe 12" 48'		77

See Sheet No. 56 56 56 56 57 57 57 57

Sta.	Side	Manhole	Each	See Sheet No.
0+80	Rt.	Std. No. 1		
2+02	Lt.	I-8 M.H. No. 1		
2+03	Lt.	Item I-8		
2+03	Lt.	Std. No. 22		
2+03	Lt.	Catch Basin		
2+03	Lt.	I-8 C.B. No. 22		
2+03	Lt.	Item I-8		
2+03	Lt.	Catch Basin		
2+03	Lt.	Item I-8		
2+03	Lt.	Std. Comb.		
2+03	Lt.	Catch Basin		
2+03	Lt.	I-8 C.B. No. 3		
2+03	Lt.	Item I-8		
2+03	Lt.	Pipe Spec.		
2+03	Lt.	8" x 12" x 60'		
2+03	Lt.	Item I-5		

STA. 0-500 to STA. 500

CHECKED	RESOURCES	DIVISION
EDD	OTM	
OTM	OTM	
EHG	VAHR	

All elevations shown on these plans are to U.S.G.S. Datum.

B.M. Sta. 0-125 Lt. of E Top of Fire Hyd. Elev. 910.17

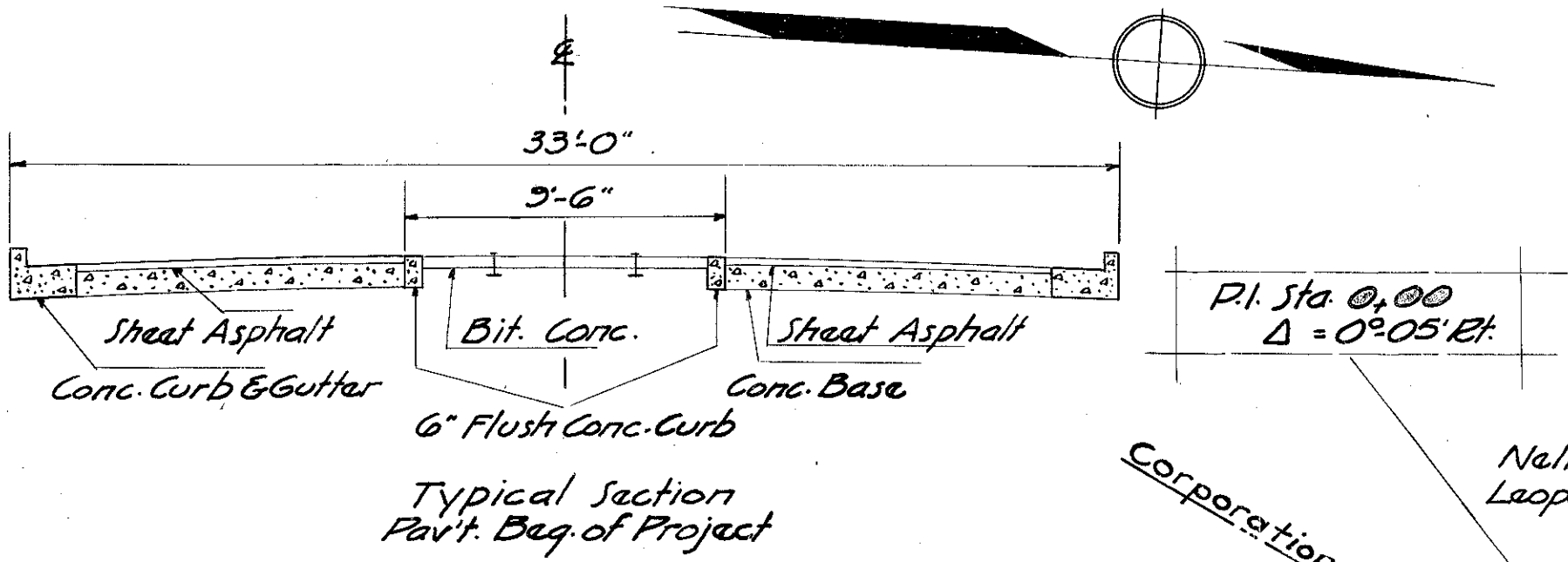
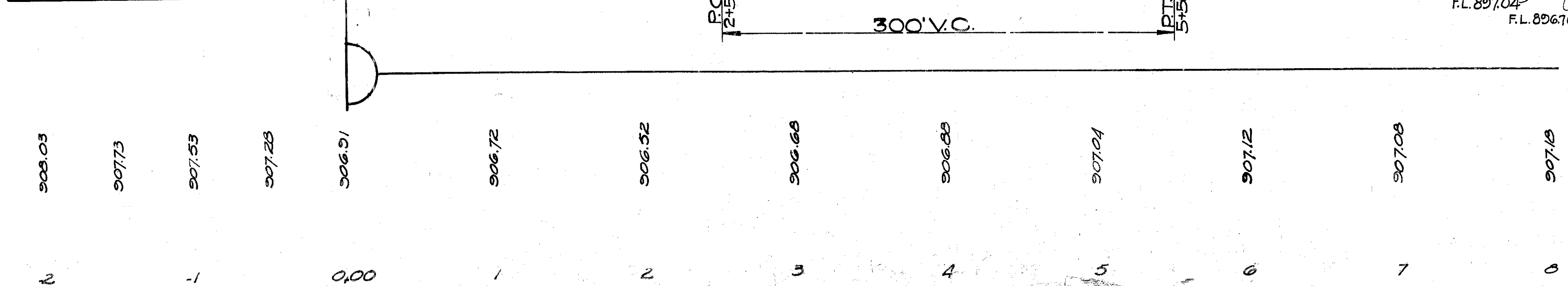
B.M. Sta. 7-70 24' Pt. of E R.R. Spike in Power Pole Elev. 906.72

Station	Special Crown	Std. Crown
0+00	905.67	905.53
0+25	905.53	905.39
0+50	905.25	905.11
0+75	905.11	904.99
1+00	904.99	904.83
1+25	904.83	904.69
1+50	904.69	904.55
1+75	904.55	904.41
2+00	904.41	904.27
2+25	904.27	904.13
2+50	904.13	903.99
2+75	903.99	903.85
3+00	903.85	903.71
3+25	903.71	903.57
3+50	903.57	903.43
3+75	903.43	903.29
4+00	903.29	903.15
4+25	903.15	903.01
4+50	903.01	902.87
4+75	902.87	902.73
5+00	902.73	902.59

Note: Grade Line Shown is Crown of Finished Pavement.

DETAIL SHOWING SPECIAL CURB GRADE
Station 2+50 to Station 5+50

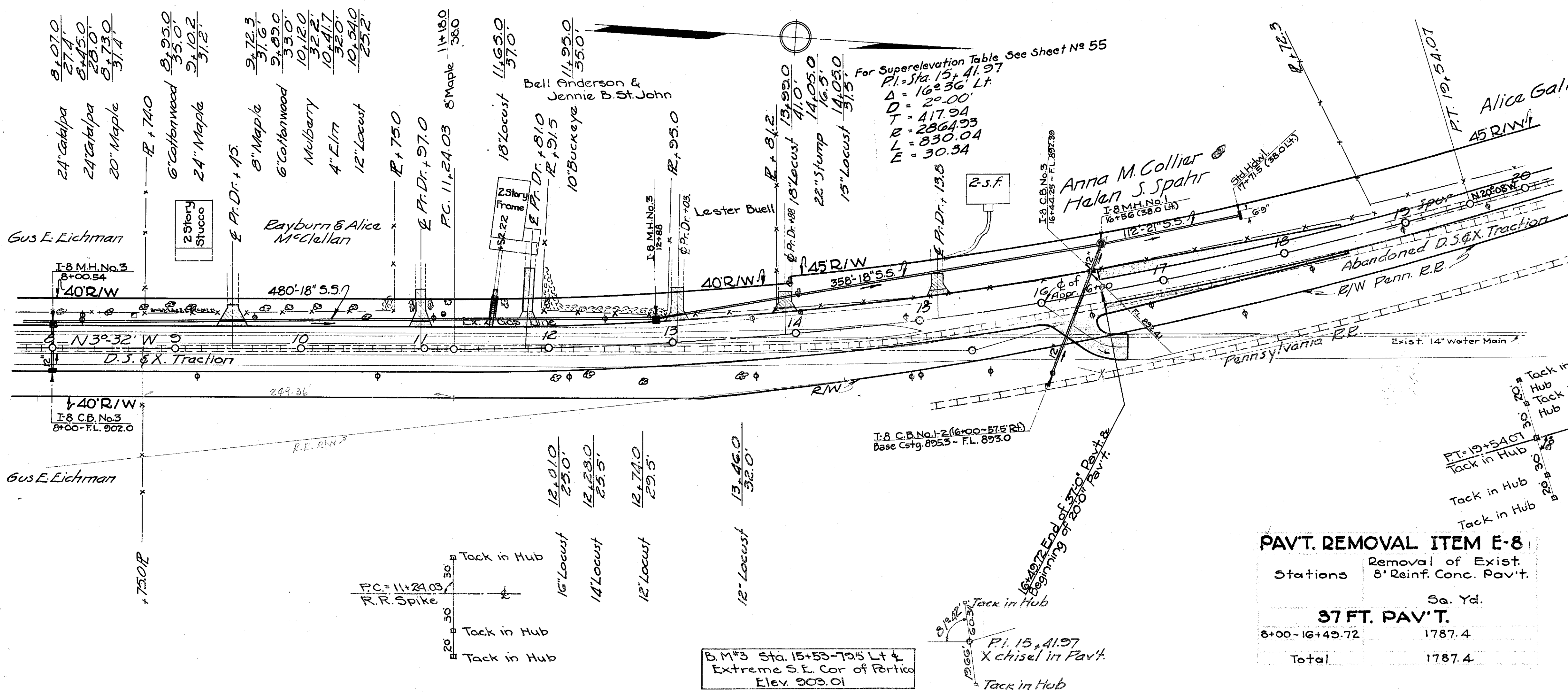
BEGIN F.A.P. 339 RE. UNIT-1
STA. 0+00 = STA. 0+00
OF F.A.P. 339



Federal Aid Marker to be furnished and erected by the state, on the right, before the acceptance of this project.

Notch in Curb 3' 10" 33' 0" 35' 0" 37' 0" 39' 0" 41' 0" 43' 0" 45' 0" 47' 0" 49' 0" 51' 0" 53' 0" 55' 0" 57' 0" 59' 0" 61' 0" 63' 0" 65' 0" 67' 0" 69' 0" 71' 0" 73' 0" 75' 0" 77' 0" 79' 0" 81' 0" 83' 0" 85' 0" 87' 0" 89' 0" 91' 0" 93' 0" 95' 0" 97' 0" 99' 0" 101' 0" 103' 0" 105' 0" 107' 0" 109' 0" 111' 0" 113' 0" 115' 0" 117' 0" 119' 0" 121' 0" 123' 0" 125' 0" 127' 0" 129' 0" 131' 0" 133' 0" 135' 0" 137' 0" 139' 0" 141' 0" 143' 0" 145' 0" 147' 0" 149' 0" 151' 0" 153' 0" 155' 0" 157' 0" 159' 0" 161' 0" 163' 0" 165' 0" 167' 0" 169' 0" 171' 0" 173' 0" 175' 0" 177' 0" 179' 0" 181' 0" 183' 0" 185' 0" 187' 0" 189' 0" 191' 0" 193' 0" 195' 0" 197' 0" 199' 0" 201' 0" 203' 0" 205' 0" 207' 0" 209' 0" 211' 0" 213' 0" 215' 0" 217' 0" 219' 0" 221' 0" 223' 0" 225' 0" 227' 0" 229' 0" 231' 0" 233' 0" 235' 0" 237' 0" 239' 0" 241' 0" 243' 0" 245' 0" 247' 0" 249' 0" 251' 0" 253' 0" 255' 0" 257' 0" 259' 0" 261' 0" 263' 0" 265' 0" 267' 0" 269' 0" 271' 0" 273' 0" 275' 0" 277' 0" 279' 0" 281' 0" 283' 0" 285' 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0" 1921' 0" 1923' 0" 1925' 0" 1927' 0" 1929' 0" 193

CHECKED	RES. OFFICE	DIV. OFFICE
Drainage	E.E.D. & O.T.M.	
Boxes	O.T.M. & J.F.M.	
Pal. Points	E.H.G. & A.H.R.	



PAV'T. REMOVAL ITEM E-8

Stations	Removal of Exist. 8" Rein. Conc. Pav't.	Sq. Yd.
8+00-16+49.72		1787.4
Total		1787.4

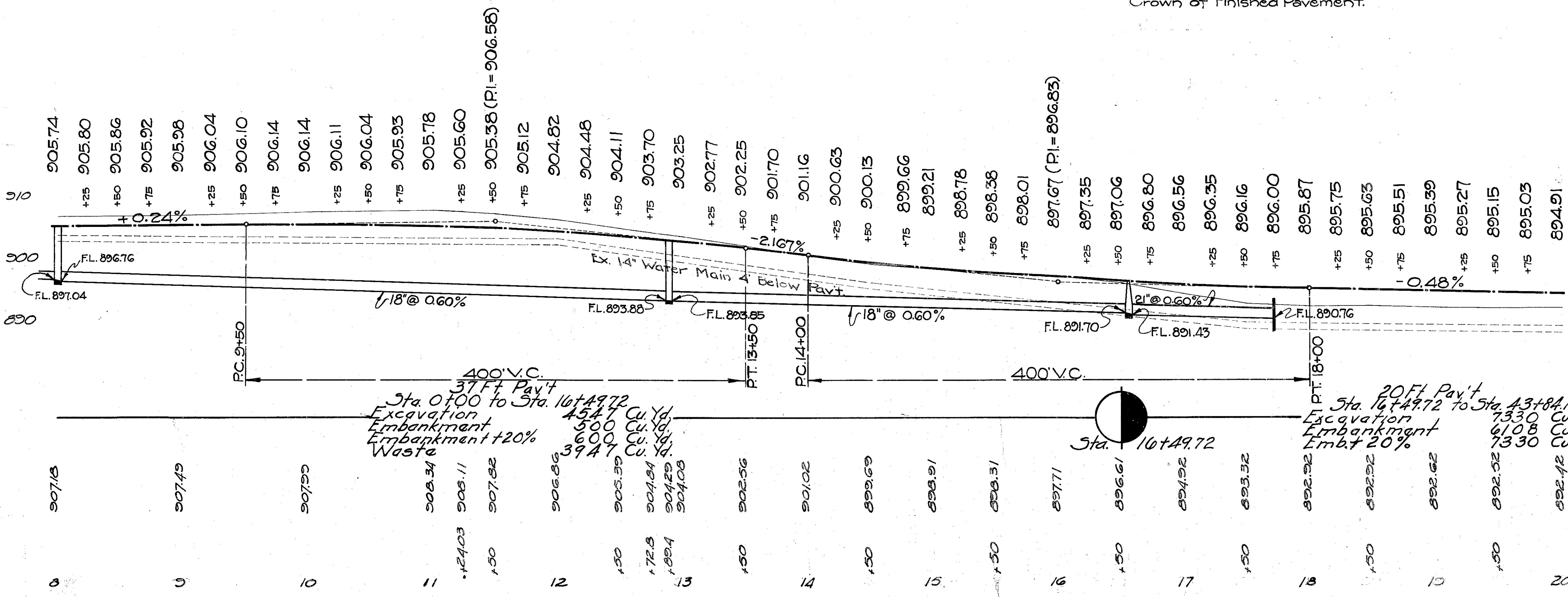
FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	
10	OHIO	339 RE UNIT	1937	4105

GREENE COUNTY S.H. 195 SRC. H & F Pt.

FLARE, PRIVATE DRIVES, ROAD APPROACH, SIDEWALK & STEPS 37' 0\"/>

TREE & STUMP REMOVAL ITEM E-9

Stations	Side	Size - Each	12"	14"	15"	16"	22"
10+54	Lt.						
12+01	Rt.						
12+28	Rt.						
14+05	Lt.						
Totals							



STORM SEWER

Sta.	Side	Reinforcing Steel	Excavation	Std. No. 3 Comb. Inlet & Manhole	Std. No. 1-2 Catch Basin	Std. Comb. Catch Basin	Each	20 FT. PAVEMENT	37 FT. PAVEMENT
8+00.54	Lt.								
12+88	Lt.								
12+90.54	Lt.								
16+00	Rt.								
16+44.25	Rt.								
16+46	Lt.								
Total									

STA. 8+00 - STA. 20+00

FED. RD. DIST. N°	STATE	FED. AID PROJ. N°	FISCAL YEAR
10	OHIO	339 RE UNIT-1	1937

5
105

GREENE COUNTY
S.H. 105 SEC. H & F Pt.
20 FT. PAVEMENT

FIELD DRIVES				
Station	Size	Traffic Bound Item I-17 Size N° 46 Cu. Yd.	Pipe Item I-1 12" 15" Lin. Ft.	See Sheet N°
35+32	Lt.	7	34	59
35+36	Rt.	5	30	59
TOTALS		12	30 34	

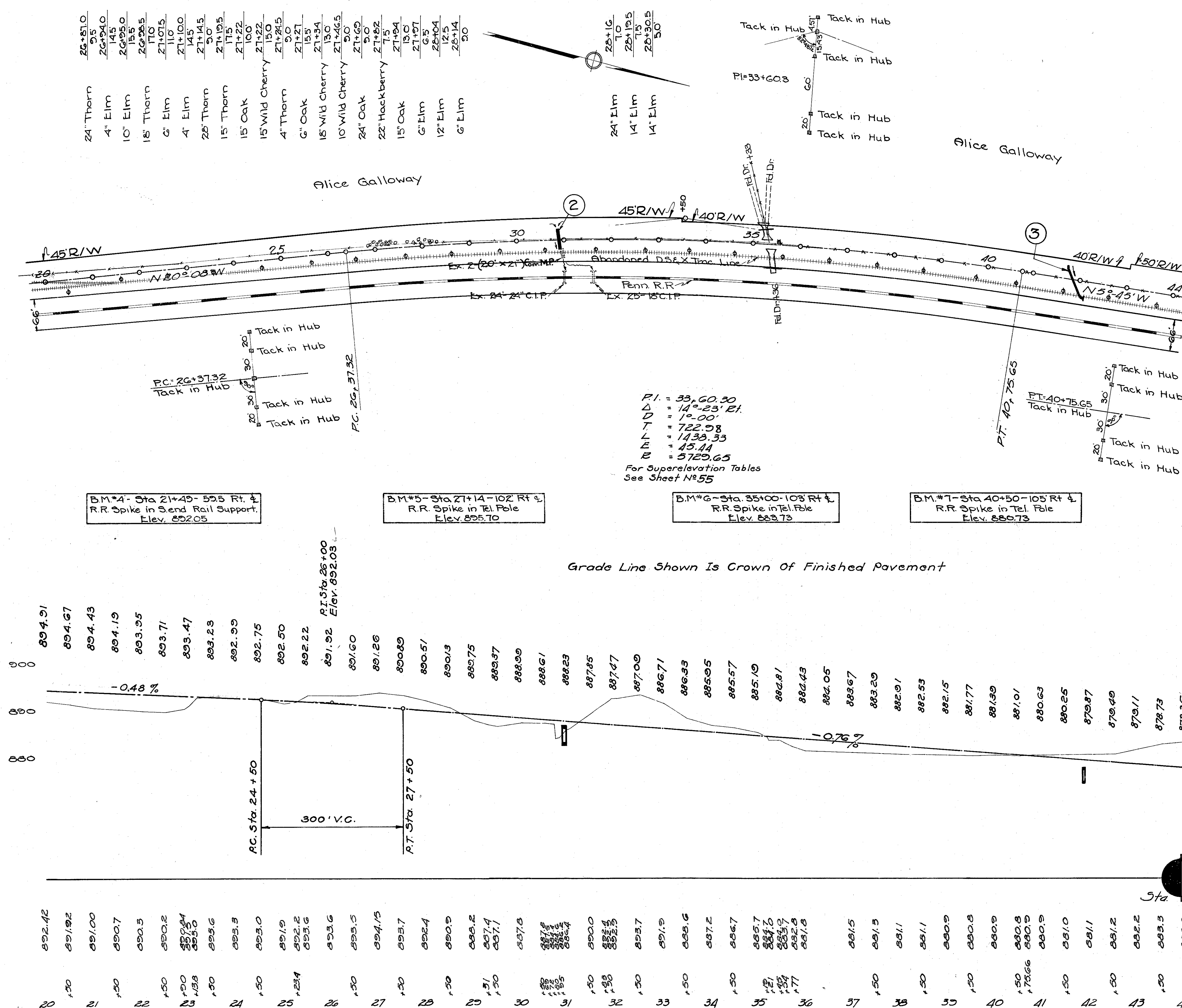
TREE AND STUMP REMOVAL ITEM E-9

Stations	Side	Size - Each						
		10"	12"	14"	15"	18"	22"	24"
26+87	Lt.							
26+95	Lt.	1						
26+98.5	Lt.							
27+14.5	Lt.							
27+19.5	Lt.							
27+22	Lt.							
27+34	Lt.							
27+46.5	Lt.	1						
27+69	Lt.							
27+82	Lt.							
27+94	Lt.							
28+04	Lt.							
28+16	Lt.							
28+19.5	Lt.							
28+30.5	Lt.							
TOTALS		2	1	2	4	2	1	3

STRUCTURES 20 FT. SPAN AND UNDER

N°	Station	Existing Structure To Be Removed			Proposed Structure			See Sheet N°
		Type	Size	Length	Type	Size	Length	
2	30+90	Conc. M.P.	2@21"	2@20'	Conc. Box	4'x3'	48	78
3	41+83.3	—	—	—	Conc. Box	3'x2'6"	49'6"	79

CHECKED	DESIGN OFFICE	IN OFFICE
Drainage		
Boys		
Bar Points		



DRIVES					
Station	Side	Gr. Con. Pav't Item F-10	Traffic Bound Item I-17 Size N° 46	Pipe Item I-1 Lin. Ft. 12" 15"	See Sheet No.
67+62.68	Rt.		Sq. Yd.	6	61
67+62.68	Lt.	9.1	11	26	61
55+30	Lt.		6	30	60
Totals		9.1	23	26 30	

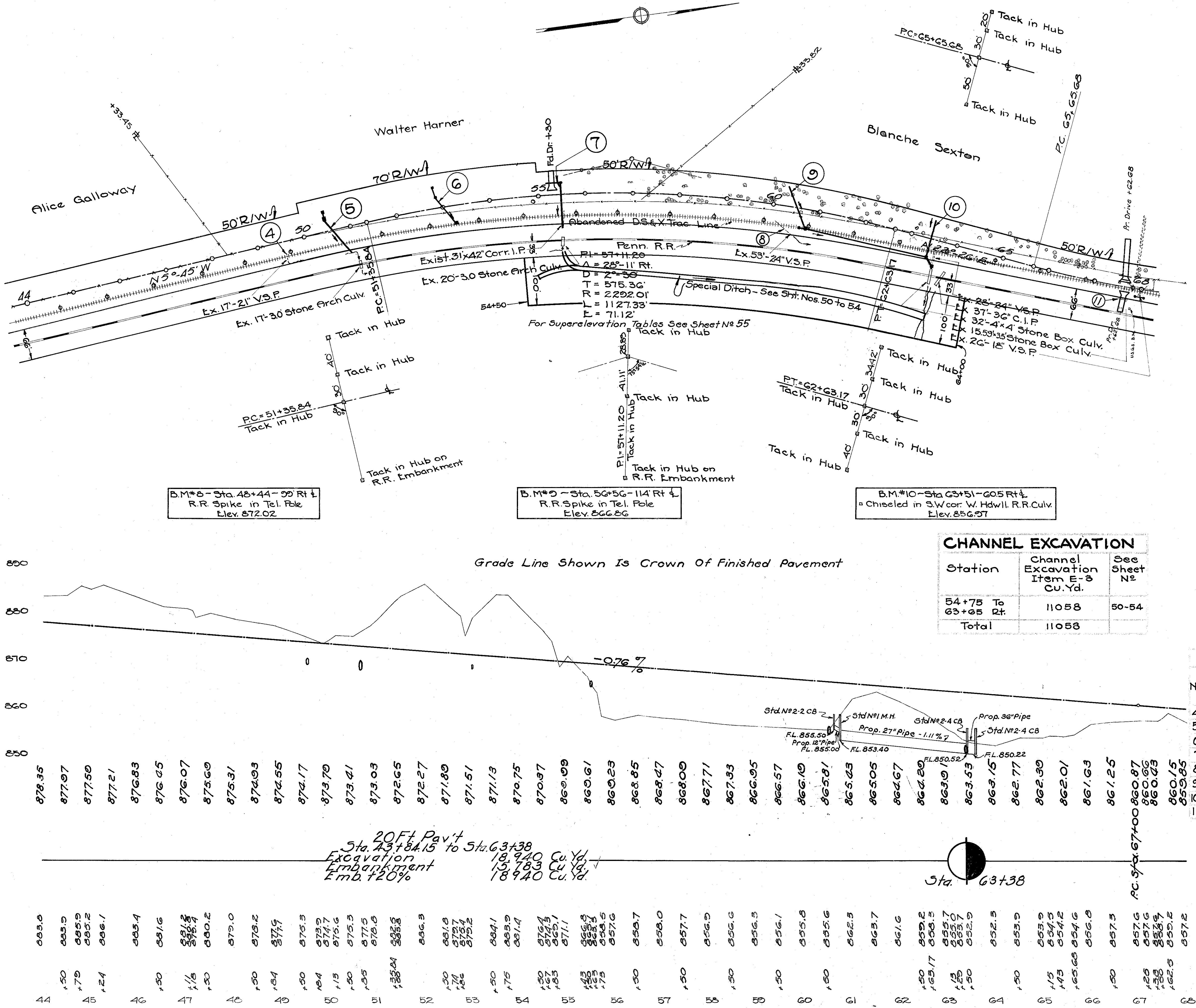
STORM SEWER				
Station	Side	Pipe Item I-2	Std. N° 2-2 Catch Basin (Std. Drwg. I-8 CBN° 2-2) Item I-8 Each	See Sheet N°
		Lin. Ft. 12" 27"		
60+60.33	Rt.		1	84
60+61.33-60+71.57	Rt.	10		84
60+75.57-63+39.20	Rt.	260		84-85
Totals		10 260	1	

TREE REMOVAL ITEM E-9					
For detailed list, See Sheet No. 76					
Sta. 44+00 to Sta. 68+00					
Diameter					
9"	10"	12"	14"	15"	16"
1	23	10	2	9	12
2	4	3	2	4	3
3	1	1	1	1	1
4	3	1	1	1	1
5	2	1	1	1	1
6	2	1	1	1	1
7	3	1	1	1	1
8	4	1	1	1	1
9	2	1	1	1	1
10	3	1	1	1	1
11	4	1	1	1	1
12	3	1	1	1	1
13	4	1	1	1	1
14	2	1	1	1	1
15	3	1	1	1	1
16	4	1	1	1	1
17	3	1	1	1	1
18	4	1	1	1	1
19	2	1	1	1	1
20	3	1	1	1	1
21	4	1	1	1	1
22	3	1	1	1	1
23	4	1	1	1	1
24	2	1	1	1	1
25	3	1	1	1	1
26	4	1	1	1	1
27	3	1	1	1	1
28	4	1	1	1	1
29	2	1	1	1	1
30	3	1	1	1	1
31	4	1	1	1	1
32	3	1	1	1	1
33	4	1	1	1	1
34	2	1	1	1	1
35	3	1	1	1	1
36	4	1	1	1	1
37	3	1	1	1	1
38	4	1	1	1	1
39	2	1	1	1	1
40	3	1	1	1	1
41	4	1	1	1	1
42	3	1	1	1	1
43	4	1	1	1	1
44	2	1	1	1	1
45	3	1	1	1	1
46	4	1	1	1	1
47	3	1	1	1	1
48	4	1	1	1	1
49	2	1	1	1	1
50	3	1	1	1	1
51	4	1	1	1	1
52	3	1	1	1	1
53	4	1	1	1	1
54	2	1	1	1	1
55	3	1	1	1	1
56	4	1	1	1	1
57	3	1	1	1	1
58	4	1	1	1	1
59	2	1	1	1	1
60	3	1	1	1	1
61	4	1	1	1	1
62	3	1	1	1	1
63	4	1	1	1	1
64	2	1	1	1	1
65	3	1	1	1	1
66	4	1	1	1	1
67	3	1	1	1	1
68	4	1	1	1	1

STRUCTURES 20 FT. SPAN AND UNDER							
No.	Station	Existing Structures To Be Removed			Proposed Structure		
		Type	Size	Length	Type	Size	Length
4	49+55.80	Vit. Pipe	21"	17'			77
5	50+65.5				Std. Pipe	12"	16'
6	53+00				Std. Pipe	12"	88'-6"
7	55+49.3	Corr. M.P.	42"	31'	Corr. M.P. b-3 Paved. Inv.	15"	92'
8	60+31	Vit. Pipe	24"	53'			83
9	60+50				Std. Pipe	27"	96'
10	63+41.2				Std. Pipe	24"	80'-0"
11	67+62.68	Stone Box	3.5' x 2.0'	15.59'			83

TREE PROTECTION			
Station	Side	Aggregate Rip-Rap Cu. Yds.	Sq. Y.
57+65	Lt.	2.0	
60+02	"	2.0	
Total		4.0	

CHECKED RES. OFFICE DIV. OFFICE
Drainage E.E.D. - G.T.M.
Boxes O.T.M. - J.P.M.
Bal. Points E.H.G. - A.H.R.





PIPE REMOVAL

PAV'T. REMOVAL ITEM E-8

ADDITIONS

TREE PROTECTION

STORM SEWER

TREE REMOVAL ~ ITEM E-9

For detailed list, See Sheet No. 76

Diameter

STA. 68+00 → STA. 97

B.M.#11 - Sta. 68+61 - 80 R+ 2
R.R. Spike in Tel. Pole
Elev. 854.39

B.M.#12~ Sta. 76+88-35 Rt &
R.R. Spike in Tel Pole
Elev. 838.91

B. M*13- Sta 84+22- 24' Rt \$
R.R. Spike in Tel. Pole
Elev. 836.15

B.M. # 14-Sta 92+13-25.5 Rt. 4
R.R. Spike in. Tel. Pole
Elev 833.05

STRUCTURES 20FT. SPAN AND UNDER

No	Station	Existing Structure To Be Removed			Proposed Structure			See Sheet No
		Type	Size	Length	Type	Size	Length	
12	68+02.24	Vit. Pipe	18"	26'	—	—	—	83
13	69+75	—	—	—	Std. Pipe	12"	78	86
14	74+45.8	—	—	—	Std. Pipe	12"	43	87
15	74+27.14	—	—	—	Corr. M.P.	12"	52	88

20 Ft. Pav't		
Sta. 63+38 to Sta 80+00		Cu. Yd.
Excavation	52.99	Cu. Yd.
Embankment	131.71	Cu. Yd.
Embt 20%	158.05	Cu. Yd.
Borrow	105.06	Cu. Yd.

68	857.2	
+	50	
	855.5	
69	851.87	
+	50	
	851.0	
70	851.6	
+	50	
	852.3	
71	851.7	
+	50	
	848.6	
72	847.7	
+	50	
	845.5	
73	843.5	
+	50	
	842.5	
74	841.0	



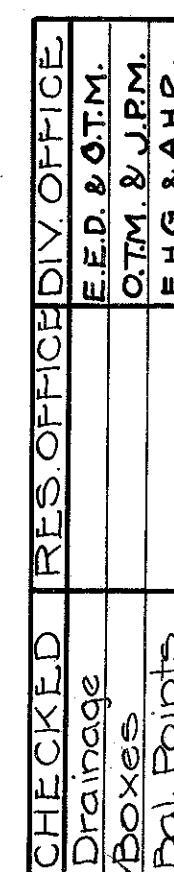
DRIVES, APPROACHES AND FLARES

PAV'T. REMOVAL ITEM E-8

STRUCTURES 20 FT. SPAN AND UNDER

No	Station	Existing Structure			Proposed Structure Extension			See Sheet No
		Type	Size	Length	Type	Size	Length	
16	93+28.04	V.P. Enc.	24"	45.16	Corr.M.P	24"	18	89

STORM SEWER (37' DIA.)

[illegible]

37 FT. PAV'T.

STATION	SIDE	6" CONC. LIME TRAFFIC 4" CONC. WALK 4" CONC. WALK CONC. STEPS CONC. STEPS REMOVAL SEE		PAVT STONE BOUND (DEAD) (ADD.) 6" RISE 7" RISE \$ DISPOSAL SHEET		ITEM F SIZE #46 ITEM 113 ITEM 113 18" TREAD 10" TREAD		6" CONC. PAVT.	
		SEC. M-3-1	SIZE #46	ITEM 113	ITEM 113	18" TREAD	10" TREAD	6" CONC. PAVT.	
		50 YD.	CUYD.	CUYDS.	SQ. FT.	SQ. FT.	LIN. FT.	LIN. FT.	SQ. YDS.
96+91.4-98+18	Lt.	123.3	30			430.8		28.0	
98+18-99+12	LT.	55.2		12					65
98+99-2	RT.	13.2		1					66
99+53.6	LT.					9.5			66
99+64.8	RT.					43.8			66
99+71-100+49	Lt.	47.5		11	287.1				16.3
100+67	RT.	8.7		1	41.8				66
100+95.5	Lt.	8.7		2	41.8				66
101+34.2	Lt.					23.0	20.0		67-73
101+34.5	RT.					66.6			67
101+87	Lt.	20.2		7	105.8				67
99+01.5-102+00	LT.					1170.0			
99+05.4-102+00	RT.					1179.4			
SUB TOTAL					476.5	2923.1			
TOTALS		276.8	30	34	NET ADD	2446.6	20.0	28.0	16.3

PAV'T. REMOVAL ITEM E-8

STORM SEWER

65
65
65
65
65
65

Sta. 96+00	37 Ft. Pav't	to Sta. 107+00
Excavation	2014	Cu. Yd.
Embankment	1477	Cu. Yd.
Emb. + 20%	1772	Cu. Yd.
Waste	242	Cu. Yd.

A circular logo with a horizontal line. The number '10' is in the upper half and '105' is in the lower half. To the left of the circle is a vertical line segment.

37 FT. PAV'T.

STATION	SIDE OF ROAD	TRINF.	CONC.	TRAFFIC	TYPE 3-A	TYPE 1-A	4' CONC.	4' CONC.	CONC.	Finishing	See
		CONC. PAVT.	ITEM #	BOUND ITEM #	CONC. CURB	CONC. CURB	SIDE WALKS	SIDE WALK	STEPS	Shoulder Slopes	Sht. No.
		F. 7'		ITEM #46	STRAIGHT (DE.D.)	CIRCULAR (DE.D.)	ITEM #3	ITEM #3	ITEM #3	ITEM #3	ITEM #3
		Sq.Yds.	Sq.Yds.	Cu.Yds.	ITEM #12 LIN.FT.	ITEM #12 LIN.FT.	Sq.FT.	Sq.FT.	LIN.FT.	Ditches Lin.Ft.	
102+56	LT.							20.0	10.0		67-73
103+09	RT.	55.6		15	56.04	56.59	98.3			60	67
103+09	LT.		17.3	3			86.7				67
103+60	LT.							42.6	15.0		67-73
104+02.75	LT.							17.2	12.0		67-73
104+17	RT.							9.0	12.0		68-73
104+60	LT.							15.5	8.0		68-73
105+66	LT.										68
105+92.2	RT.			10.8							68
106+30.5	LT.			7.5							68
106+30.5	RT.			13.0							68
102+00 - 105+56	LT.							1440.9			
102+00 - 106+34.1	RT.							1690.6			
102+50.5	RT.							18.0			67
SUB-TOTAL							185.0	3253.8			
TOTALS		55.6	48.6	26	56.04	56.59	NET ADD = 3068.8	57.0	60		

Stations	Side	Size ~ Each					
		12"	14"	16"	18"	24"	27"
103 + 85	Rt.				1		
+ 97.5	Rt.	1					
104 + 08	Lt.				1		
+ 24	Lt.					1	
+ 76	Rt.		1				
+ 77	Lt.	1					
+ 87	Rt.	1					
+ 89	Rt.	1					
105 + 84	Rt.			1			
106 + 24	Lt.						1
106 + 30.5	Lt.				1		
+ 44.8	Lt.	1					
+ 45	Rt.				1		
+ 65	Lt.	1					
Total		6	1	1	4	1	1

Station	Removal of Existing 8" Reinf. Conc. Pav't.	Sq. Yd.
102+00-107+00		1012.3
Total		1012.3

[illegible]

Sta.	Side	Remove & Store Existing "8" Drain Tile Item I-G Lin. Ft.
103+28	Rt. & Lt.	165
Total		165

TREE PROTECTION			
Station	Side	Agg. Cu. Yds.	Rip. Re. Sq. Yds.
106+65	Rt.	4.2	—
106+84.5	Rt.	4.4	—
Total		8.6	

STA 102+00 → STA. 107+00

DRIVE, ROAD APPROACHES AND FLARES

Stations	Side	7" Reinf. Conc. Pav't. Item T-71	6" Conc. Traffic Pav't. Bound. Item T-70	Pipe Size 12" Item I-1	Sec. Sheet No.
107+00-109+00	Flare	222.2			69
107+00	Lt.		3		69
107+00	Rt.		4	24	69
115+61.5	Lt.		4	22	69
124+81.1	Lt.		12.6	4	70
125+55.67	Rt.		12.5	6	70
126+81.1	Lt.		15.5	9	70
127+64.30 (Appr.)	Lt.	For Quantities See next alignment sheet.			70
Totals		222.2	40.6	30	24
112+97	Rt.		7	28	69
109+00-109+66.67	Flare	14.8			69
Totals		14.8	7	28	

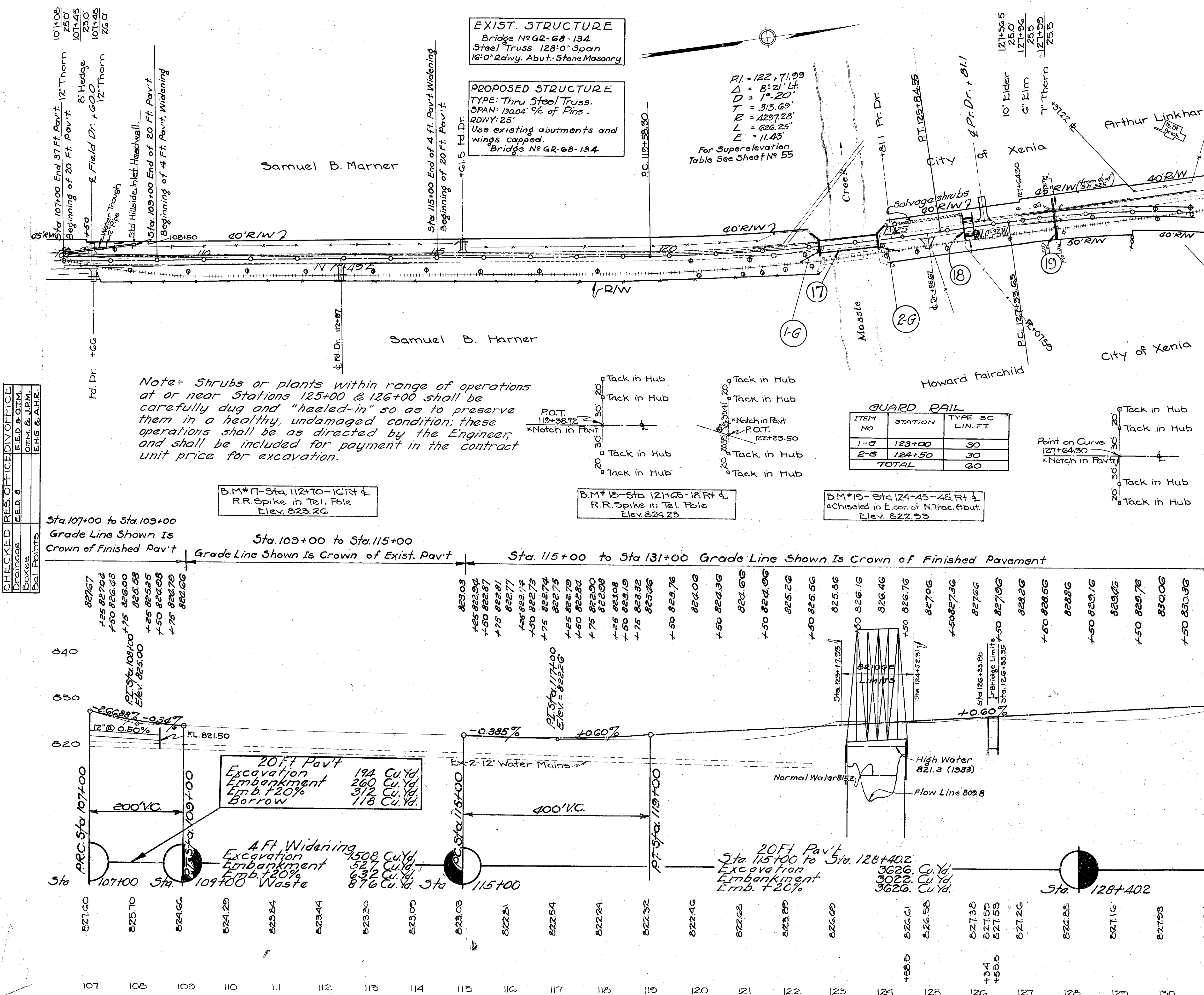
Stations	20 FT. PAV'T.	PAV'T. REMOVAL ITEM E-8
107+00-109+00	380.4	Removal of Existing 8" Reinf. Conc. Pav't.
115+00-131+00	2573.8	
Totals	2954.2	

Stations	7" Reinf. Conc. Pavement	Finishing Shoulders Slopes and Ditches
123+07.93-124+62.31	343.1	
123+17.93-124+52.31		134.38
126+33.85-126+55.35	27.8	21.50
Totals	390.9	155.88

Stations	20 FT. PAV'T.	PLANK GUARD RAIL REMOVED & STORED ITEM I-15
107+08	Lt.	
107+48	Lt.	
127+56.5	Lt.	
Totals	1	2

No.	Station	Existing Structure	Proposed Structure	See Sheet No.
18	126+44.6	Conc. Slab Span=10' Rdwy=20.3	Slab Br. Span=10' Rdwy=36"	90
19	128+29	Corr. M.P. 60" 28' x 20'	Conc. Slab 5' x 4' 21'-3"	92

STRUCTURES OVER 20 FT. SPAN
For Details of Proposed Steel Truss Bridge No. 62-68-17 See Sheets No. (94-101)



CHECKED RES. OFFICE DIVISION
DESIGNED E.E.D. & O.T.M.
BOXES O.T.M. & J.P.M.
PL. POINTS E.H.G. & A.H.R.

Note: Shrubs or plants within range of operations at or near Stations 125+00 & 126+00 shall be carefully dug and "heeled-in" so as to preserve them in a healthy, undamaged condition; these operations shall be as directed by the Engineer, and shall be included for payment in the contract unit price for excavation.

ITEM NO.	STATION	TYPE SC LIN. FT.
1-G	123+00	30
2-G	124+50	30
TOTAL		60

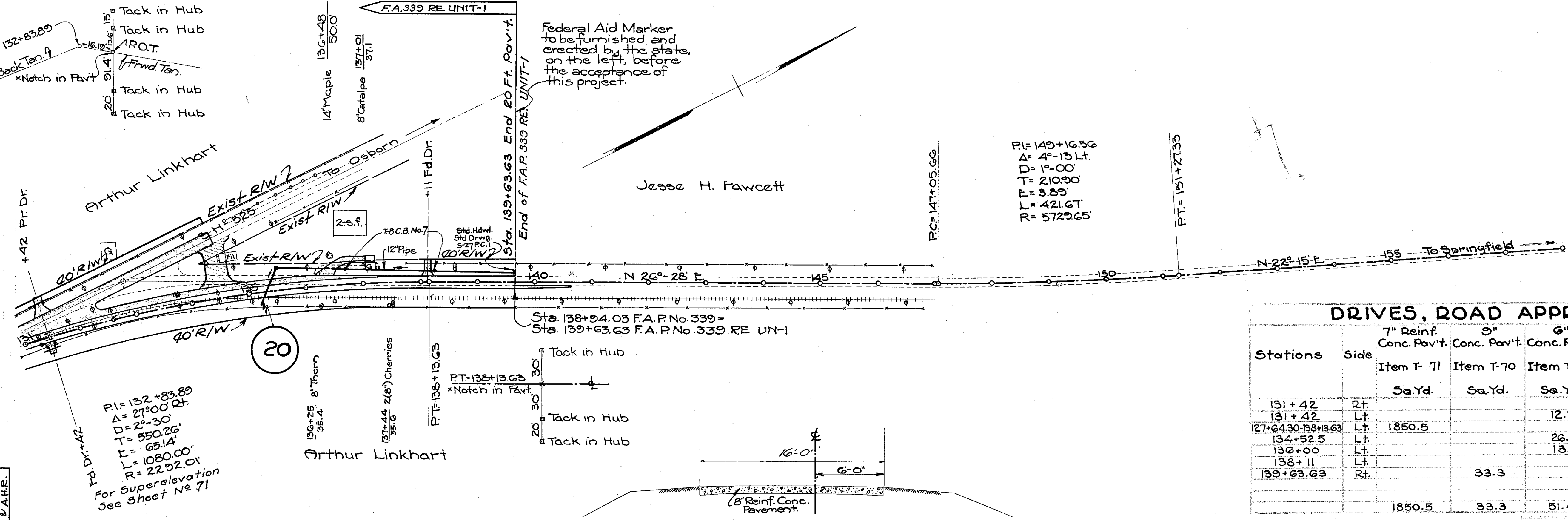
STORM SEWER
20 FT. PAVEMENT

No.	Station	Existing Structure	Proposed Structure	See Sheet No.
18	126+44.6	Conc. Slab Span=10' Rdwy=20.3	Slab Br. Span=10' Rdwy=36"	90
19	128+29	Corr. M.P. 60" 28' x 20'	Conc. Slab 5' x 4' 21'-3"	92

STRUCTURES OVER 20 FT. SPAN
For Details of Proposed Steel Truss Bridge No. 62-68-17 See Sheets No. (94-101)

Pl. 132+83.89
Back Ten 9
Notch in Pavt.
Tack in Hub
Tack in Hub
Tack in Hub
Tack in Hub

PAV'T. REMOVAL ITEM E-8	
Stations	Removal of Existing 8" Reinf. Conc. Pav't. Sq. Yd.
131+00 - 139+63.63	2110.0
Total	2110.0



DRIVES, ROAD APPROACHES AND FLARES									
Stations	Side	7" Reinf. Conc. Pav't. Item T-71 Sq. Yd.	5" Conc. Pav't. Item T-70 Sq. Yd.	6" Conc. Pav't. Item T-70 Sq. Yd.	Traffic Bound Size N#46 Item I-17 Cu. Yd.	Pipe Item I-1 Lin. Ft.	Finishing Shoulders, Slopes, & Ditches Lin. Ft.	See Sheet N#	
131+42	Rt.			12.1	3	28		70	
131+42	Lt.				5		200.00	70	
127+64.30-138+13.63	Lt.	1850.5		26.2	25			71	
134+52.5	Lt.			13.1	11			72	
136+00	Lt.				4			72	
138+11	Lt.		33.3					72	
139+63.63	Rt.							71	
		1850.5	33.3	51.4	48	28 26	200.00		

TYPICAL SECTION
Existing Pav't. at End of Project

B.M. #20 - Sta. 134+58 - 60' Lt. &
Chiseled in E. end conc. pump platform
Elev. 834.79

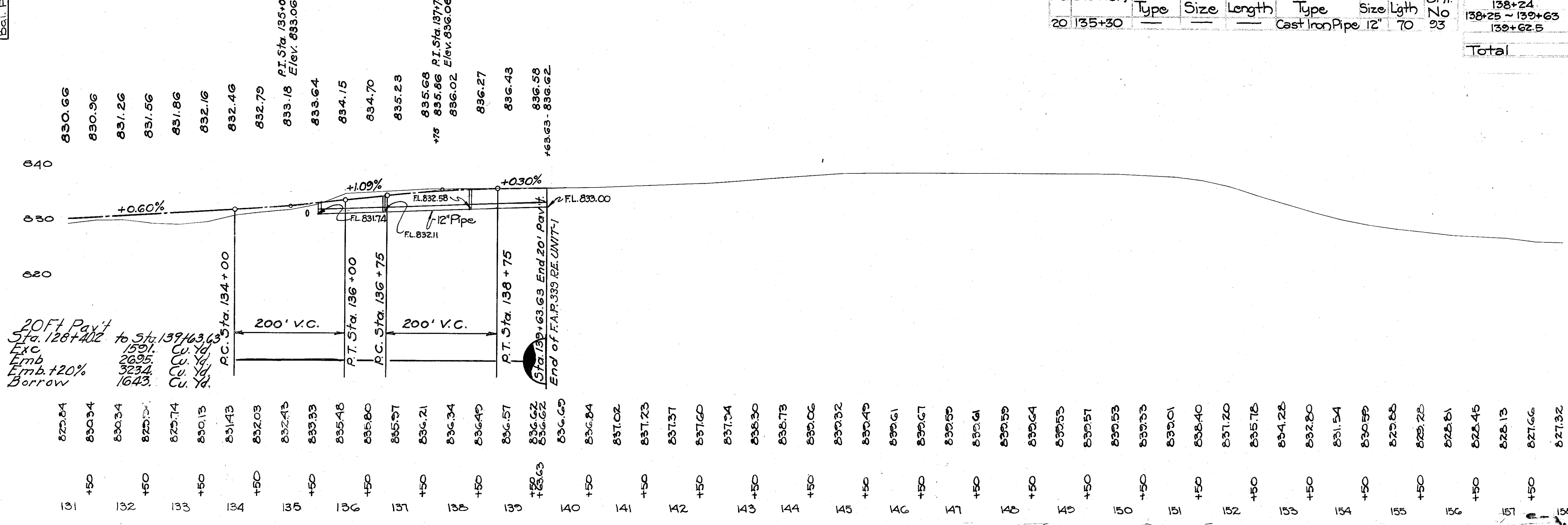
B.M. #21 - Sta. 151+41 - 16' Rt. &
S. cor. of extreme E. end Sd. Hill Culv.
Elev. 838.39

STRUCTURES 20 FT. SPAN & UNDER

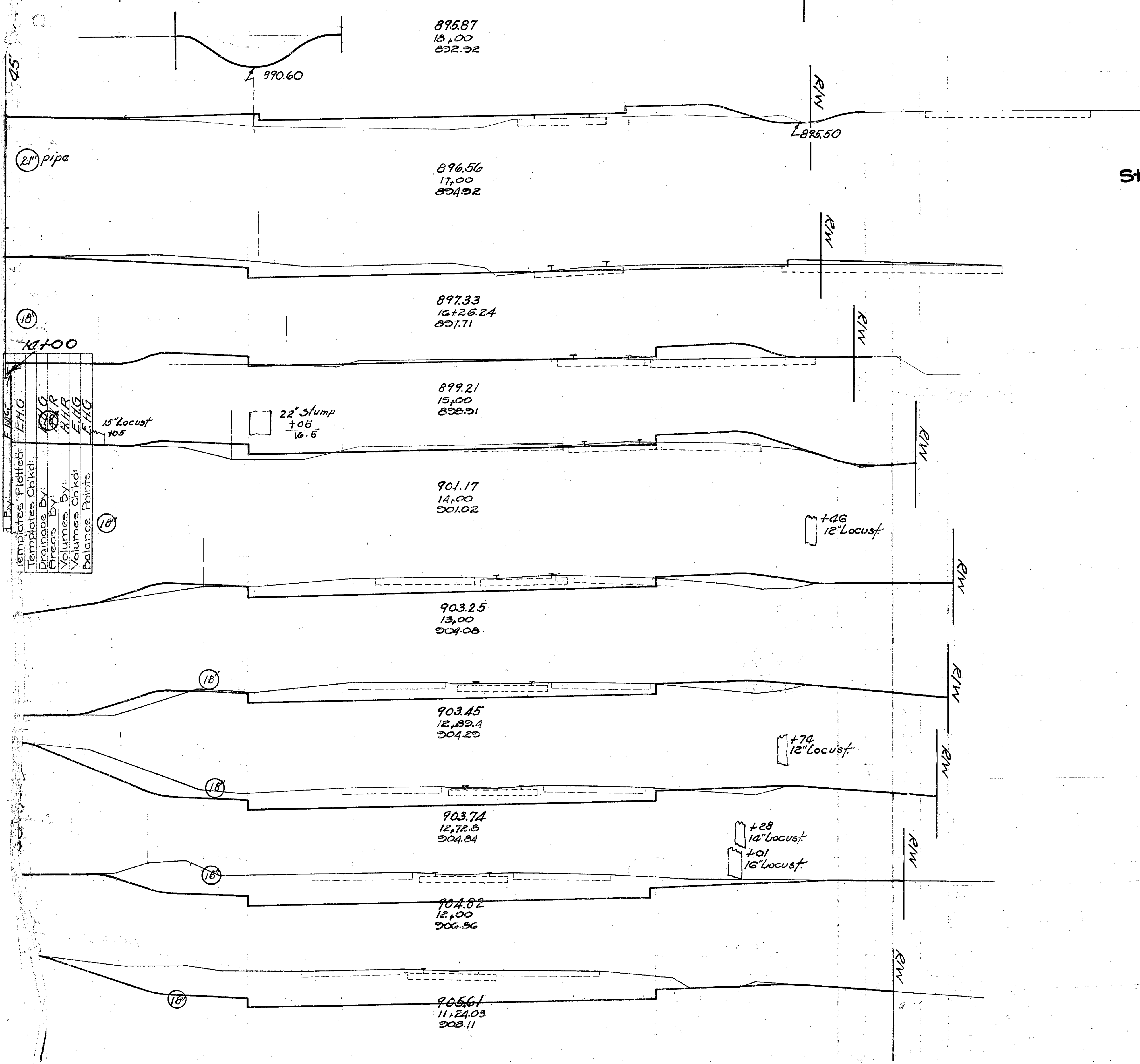
No.	Station	Existing Structure To Be Removed	Proposed Structure	See
		Type Size Length	Type Size Lgth	Sh't. No.
20	135+30		Cast Iron Pipe 12" 70	23

ROADWAY DRAINAGE									
Station	Side	Std. Headwall Std. Drwg. 5-27 P.C. 1	Std. Catch Basin Item I-3	Std. (with Parapet Backfill) Catch Basin Item I-3	Corr. M. P. Item I-1				
135+51 ~ 136+31	Lt.					82			
136+31 ~ 136+57	Lt.					12			26
136+57 ~ 136+69	Lt.								
136+70	Lt.								
136+71 ~ 138+03	Lt.					134			
138+03 ~ 138+23	Lt.								20
138+24	Lt.								
138+25 ~ 139+63	Lt.					138			
139+62.5	Lt.	2	0.7	20	2	366			46
Total		2	0.7	20	2	366			46

Grade Line Shown Is Crown Of Finished Pavement



30 25 20 15 10 5 2 5 10 15 20 25 30 35 40 45 50 55 60



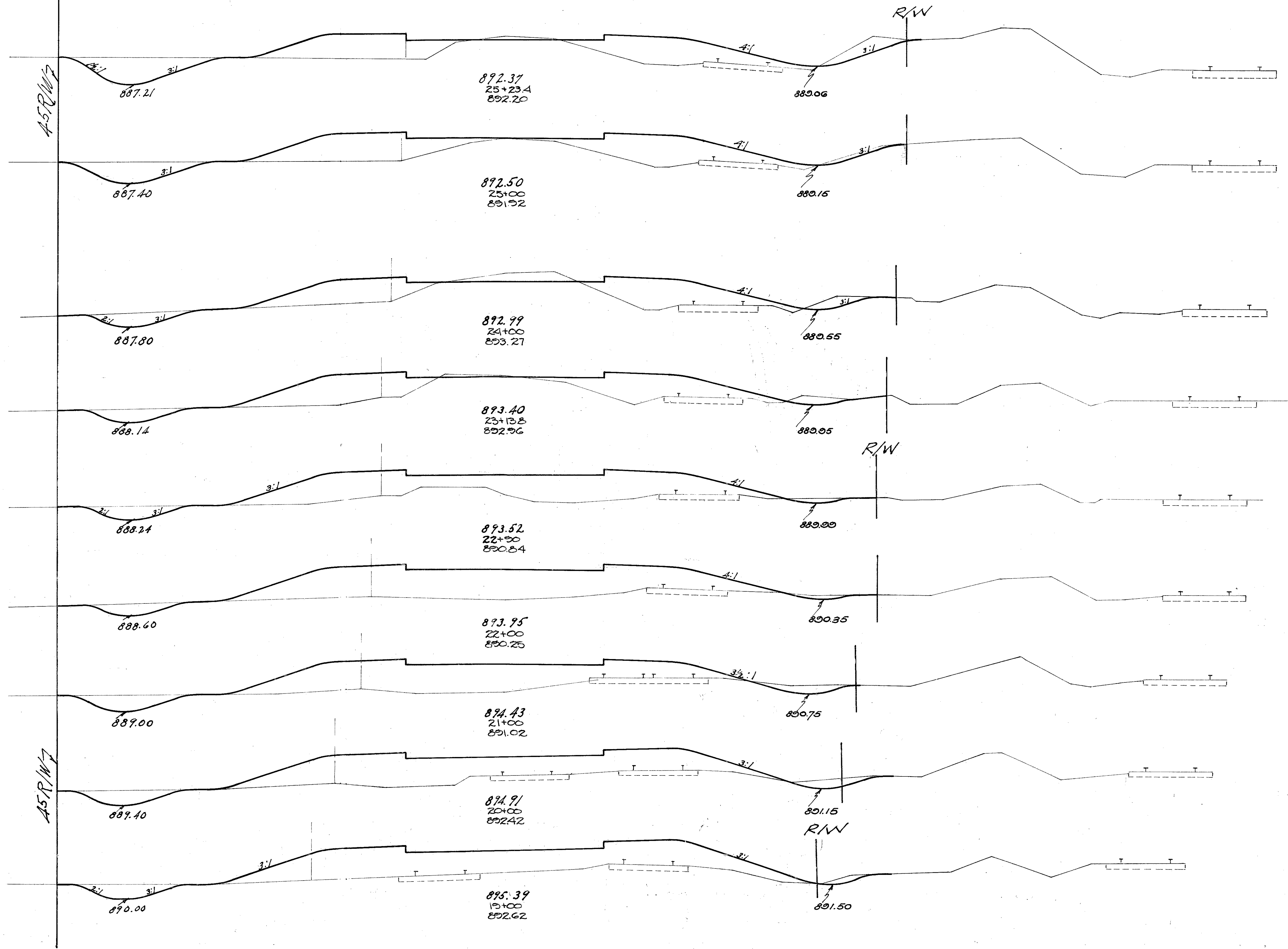
END AREA	CU. YDS.	
	CUT	FILL
25	117	
2	46	50 302
37	20	36 61 53 90 17 29
4	34	0 25 96 126 2 1
8	33	22 124
37	18	2 0 83 94
40	17	1 4
64	4	
122	0	15 7 32 7 25 5
142	0	28 0 372 0
		123 1

FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR
10	OHIO	339 EF	1937



GREENE COUNTY
S.H. 195 SEC. H & F (PT.)

Plotted By: F.M.C.
Templates Plotted: F.H.G.
Templates Chkd: A.H.C.
Drainage By: F.H.G.
Areas By: A.H.C.
Volumes By: A.H.C.
Volumes Chkd: F.H.G.
Balance Points: F.H.G.

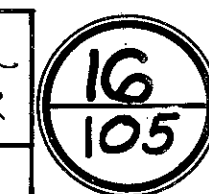


END AREA		CU. YDS.	
CUT	FILL	CUT	FILL
36	81		
		25	74
21	91		
		85	306
25	74		
		67	249
17	82		
		13	86
12	112		
		38	408
11	133		
		56	454
10	112		
		65	430
16	120		
		50	459
11	128		
		67	454

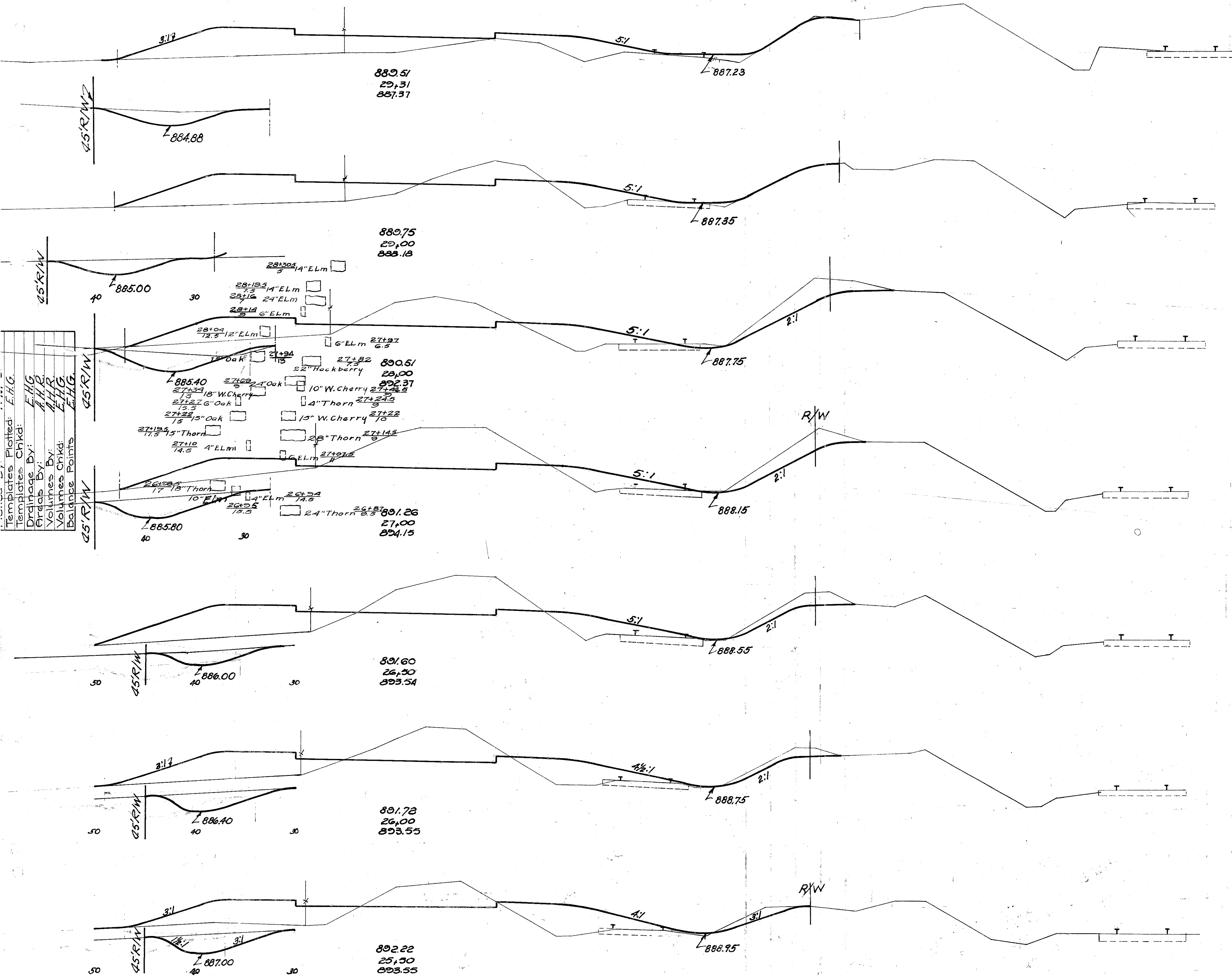
20 Ft. Row 4.
Sta 16+49.72 To Sta 23+23.4
Excavation 7330 Cu Yd.
Embankment 7330 " "
Em 6 + 20%

STA. 19+00 → STA. 25+23.4

FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR
10	OHIO	339 BE DUR. 77	1937

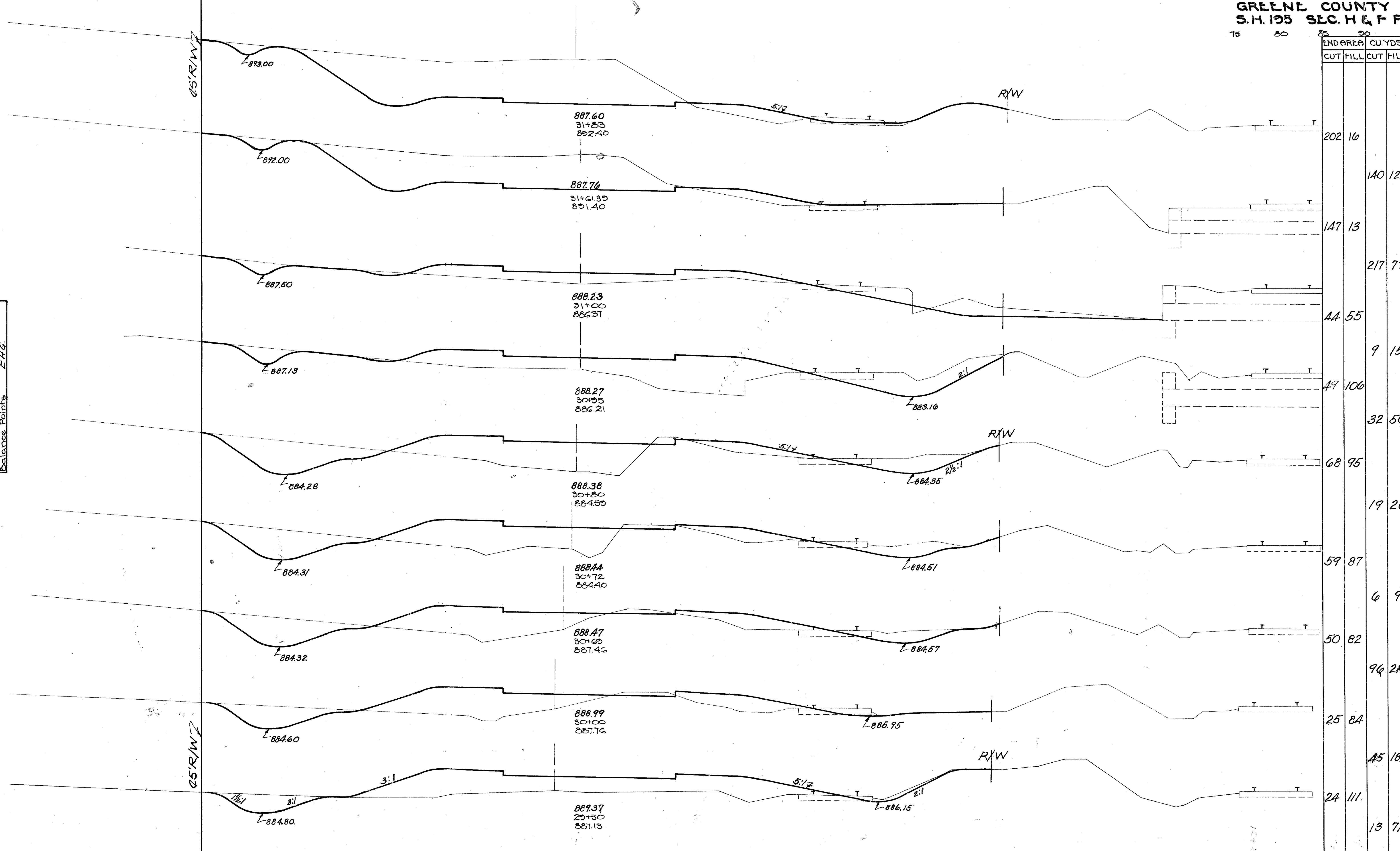


GREENE COUNTY
S.H. 195 SEC. H & F PT.



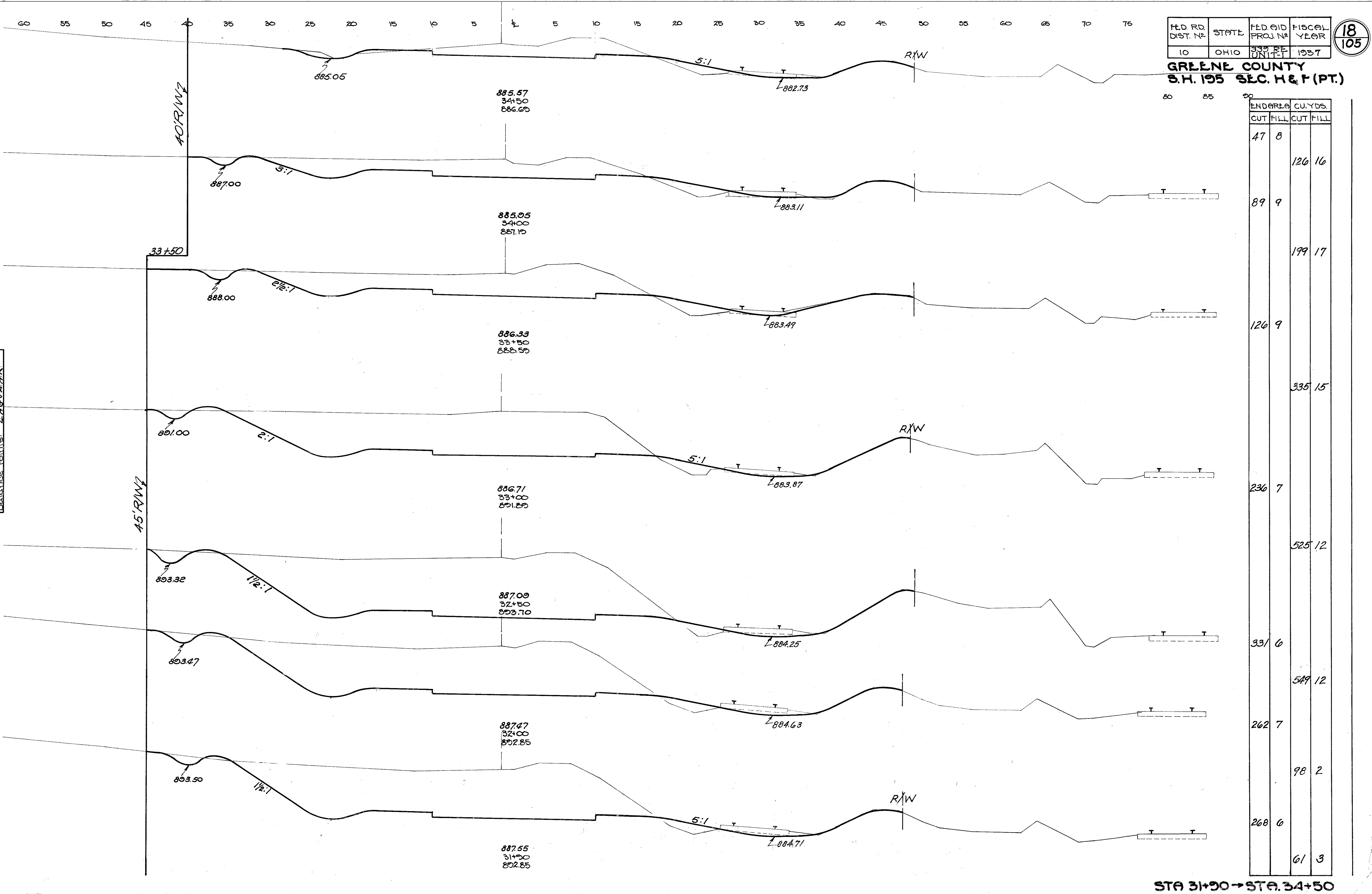
END AREA	CU YDS.	
	CUT	FILL
12	90	
		24 94
29	74	
		185 237
71	54	
		315 174
99	40	
		155 106
68	74	
		119 133
60	70	
		98 134
46	75	
		40 77

75 80 85 90



STA. 29+50 → STA. 31+83

Drawn By: F.H.C.
Templates By: F.H.C.
Drainage Chkd: E.H.G.
Drainage By: E.H.G.
Areas By: A.H.R.
Volumes By: A.H.R.
Volumes Chkd: E.H.G.
Balance Points: E.H.G. & A.H.R.



60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR
10	OHIO	335 RE UNIT	1937

19
105

GREENE COUNTY
S.H. 195 SEC. H & F (PT.)

80 85

END AREA	CU. YDS.	
	CUT	FILL
23	73	
		70 302
15	90	
		18 62
27	56	
		20 46
21	51	
		9 15
32	37	
		22 33
		0 17
		0 12
18	38	
		2 2
34	21	
		26 13
40	17	
		81 23

Designed by: F.M.C.
Templates Plotted: F.M.C.
Templates Chkd: E.H.G.
Drainage By: E.H.G.
Areas By: A.H.R.
Volumes By: A.H.R.
Volumes Chkd: E.H.G.
Balance Points: E.H.G. & A.H.R.

40' R/W

R/W

R/W

R/W

Field Drive Sta. 35+36 Rt
Private Drive Sta. 35+32 Lt

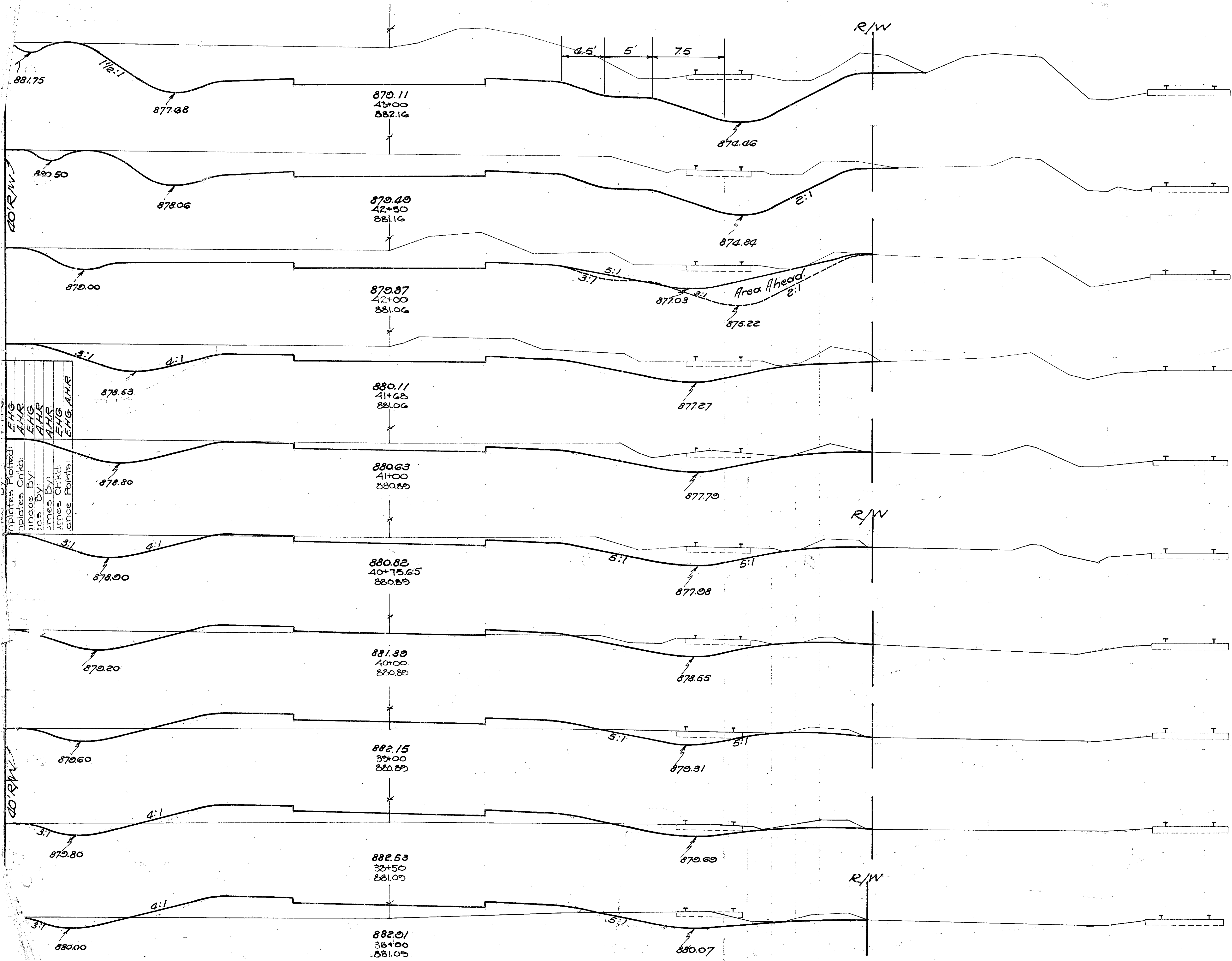
STA. 35+00 - STA. 37+00

30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90

FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR
10	OHIO	339 RE UNIT-1	1937

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GREENE COUNTY
S.H. 195 SEC. H & F.P.T.



END AREA	CUYDS.	
	CUT	FILL
312	0	
		483
210	0	
		372
Area Ahead	192	0
Area Back	160	0
		181
126	0	
		295
88	0	
		77
82	2	
		176
44	11	
		119
20	49	
		44
27	59	
		54
31	68	
		100

STA. 38+00 -> STA. 43+00

FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR
10	OHIO	339 RE UNIT-1	1937

GREENE COUNTY
S.H. 195 SEC. H & F (PT.)

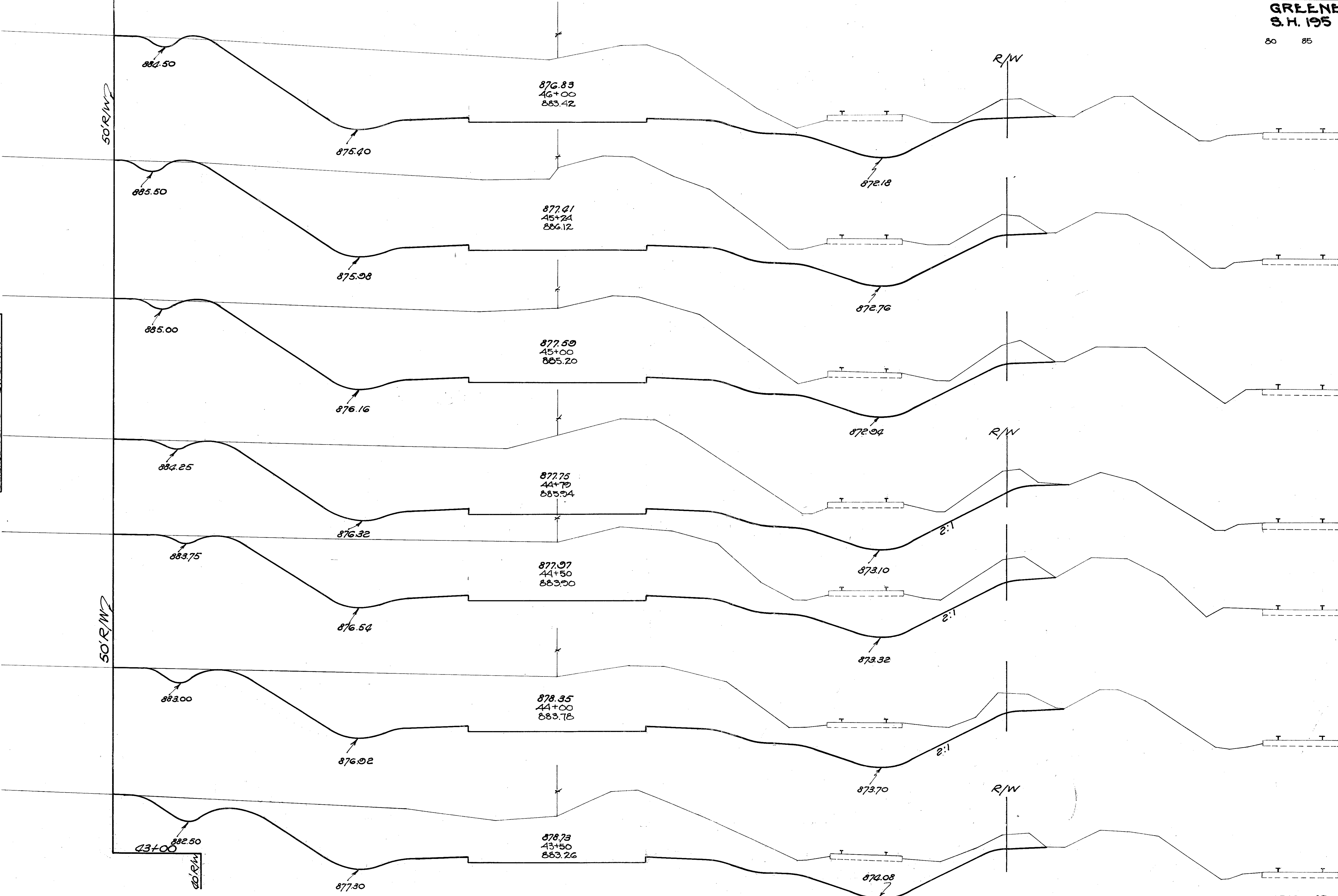
80 85

END GREG	CU. YDS	
	CUT	FILL
490	0	
		1493
567	0	
		405
506	0	
		420
504	0	
		507
474	0	
		853
447	0	
		254
		801
		507
418	0	
		676

STA. 43+50 → STA. 46+00

5/8 23182.15

Plotted By: F.M.C.
Templates Plotted: E.H.G.
Templates Chkd: A.H.R.
Drainage By: E.H.G.
Grass By: A.H.R.
Volumes By: A.H.R.
Volumes Chkd: E.H.G.
Balance Points: E.H.G. A.H.R.



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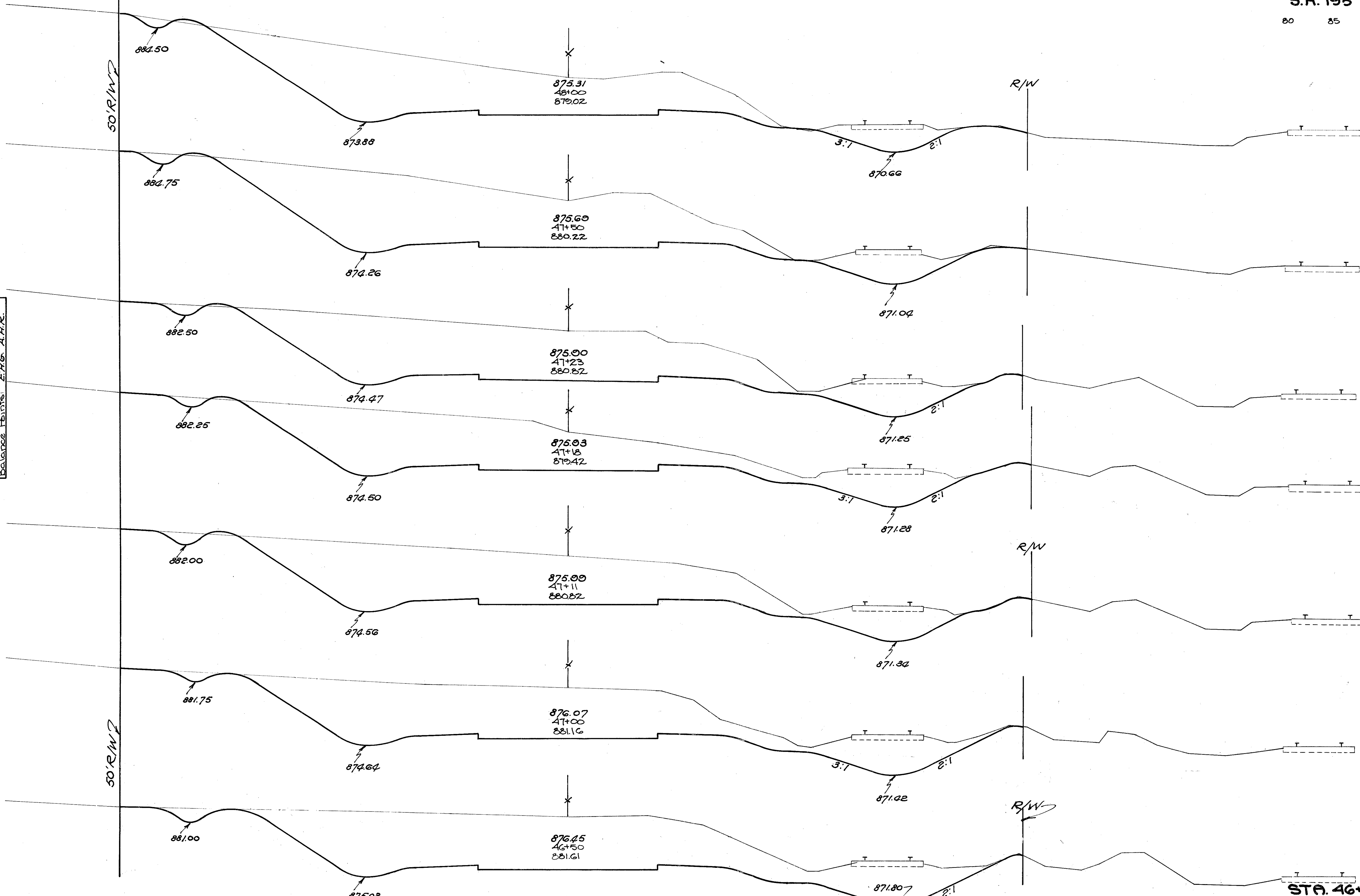
FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR
10	OHIO	339 DE UNIT-1	1937

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105

GREENE COUNTY
S.H. 195 SEC. H & F (PT.)

80 85

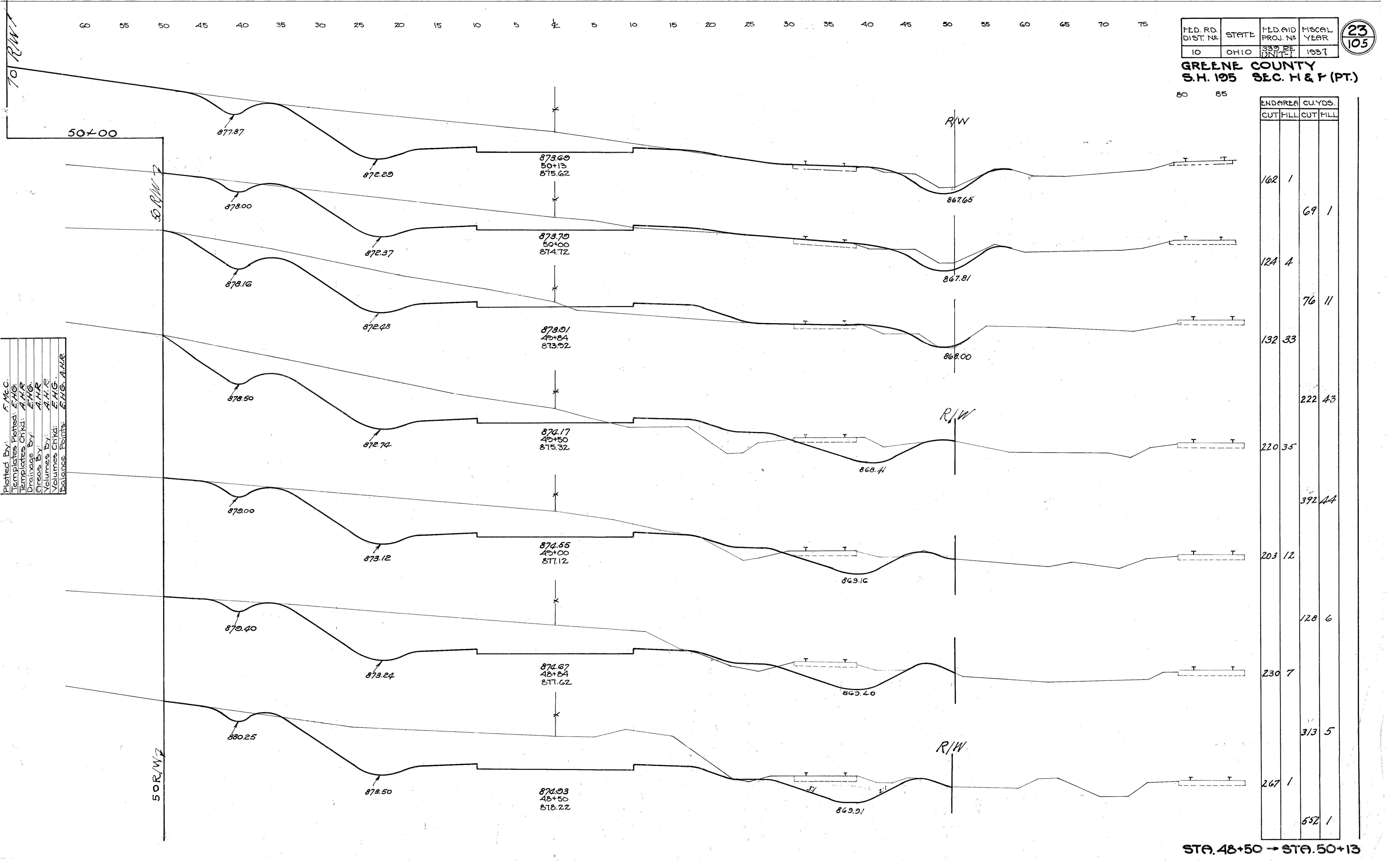
Plotted By: F.M.C.
Templates Plotted: F.H.G.
Template Chkd: A.H.R.
Drainage By: F.H.G.
Areas By: A.H.R.
Volumes By: A.H.R.
Volume Chkd: F.H.G.
Balance Points: F.H.G. A.H.R.



END AREA		CU. YDS.	
CUT	FILL	CUT	FILL
320	0		
		652	0
375	0		
		368	0
360	0		
		62	0
310	0		
		86	0
352	0		
		143	0
300	0		
		680	0
385	0		
		814	0

20 Ft. Parity
Sta 43+82.15 to Sta 63+38
Excavation 18900 Cu. Yd.
Embankment 15783 " "
Em 6 + 20%

STA. 46+50 - STA. 48+00



Plotted By: F.M.C.
Templates Plotted: F.H.G.
Templates Chkd: A.H.R.
Drainage By: F.H.G.
Greases By: A.H.R.
Volumes By: A.H.R.
Volumes Chkd: F.H.G.
Balance Points: F.H.G., A.H.R.

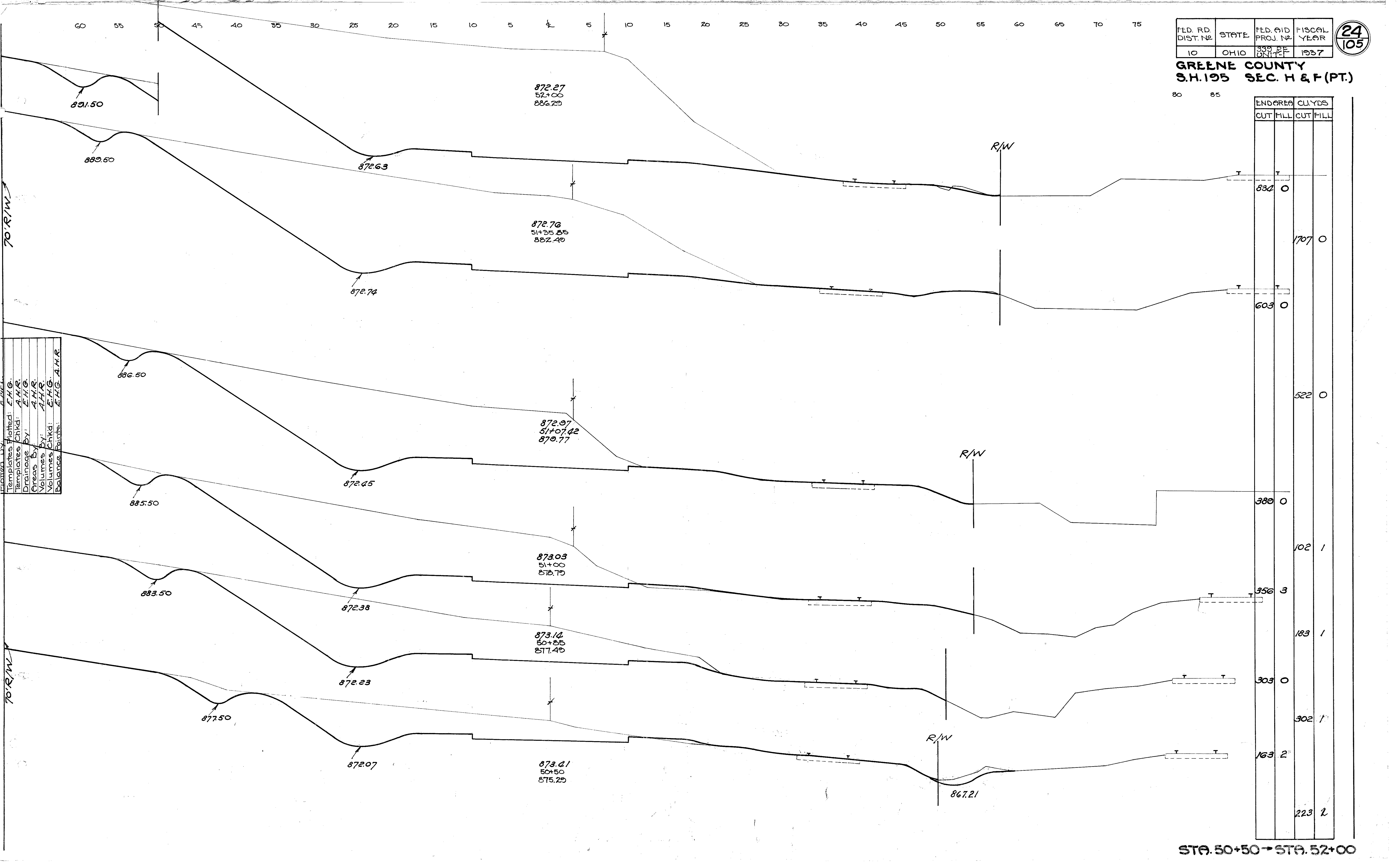
FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR
10	OHIO	339 RE UNIT-1	1937

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105

GREENE COUNTY
S.H. 195 SEC. H & F (PT.)

END AREA		CU. YDS.	
CUT	FILL	CUT	FILL
162	1		
		69	1
124	4		
		76	11
132	33		
		222	43
220	35		
		392	44
203	12		
		128	6
230	7		
		313	5
267	1		
		552	1

STA. 48+50 → STA. 50+13



FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR
10	OHIO	339 DE UNIT F	1937

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105

GREENE COUNTY
S.H. 195 SEC. H & F (PT.)

Plotted by: E.H.G.
Templates Plotted: E.H.G.
Templates Chkd: A.H.R.
Drainage By: E.H.G.
Areas By: A.H.R.
Volumes By: A.H.R.
Volumes Chkd: E.H.G.
Balance Points: E.H.G. A.H.R.

STA. 50+50 -> STA. 52+00

55 50 45 40 35 30 25 20 15 10 5 4 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR
10	OHIO	330 RE DIST. 1	1937

25
105

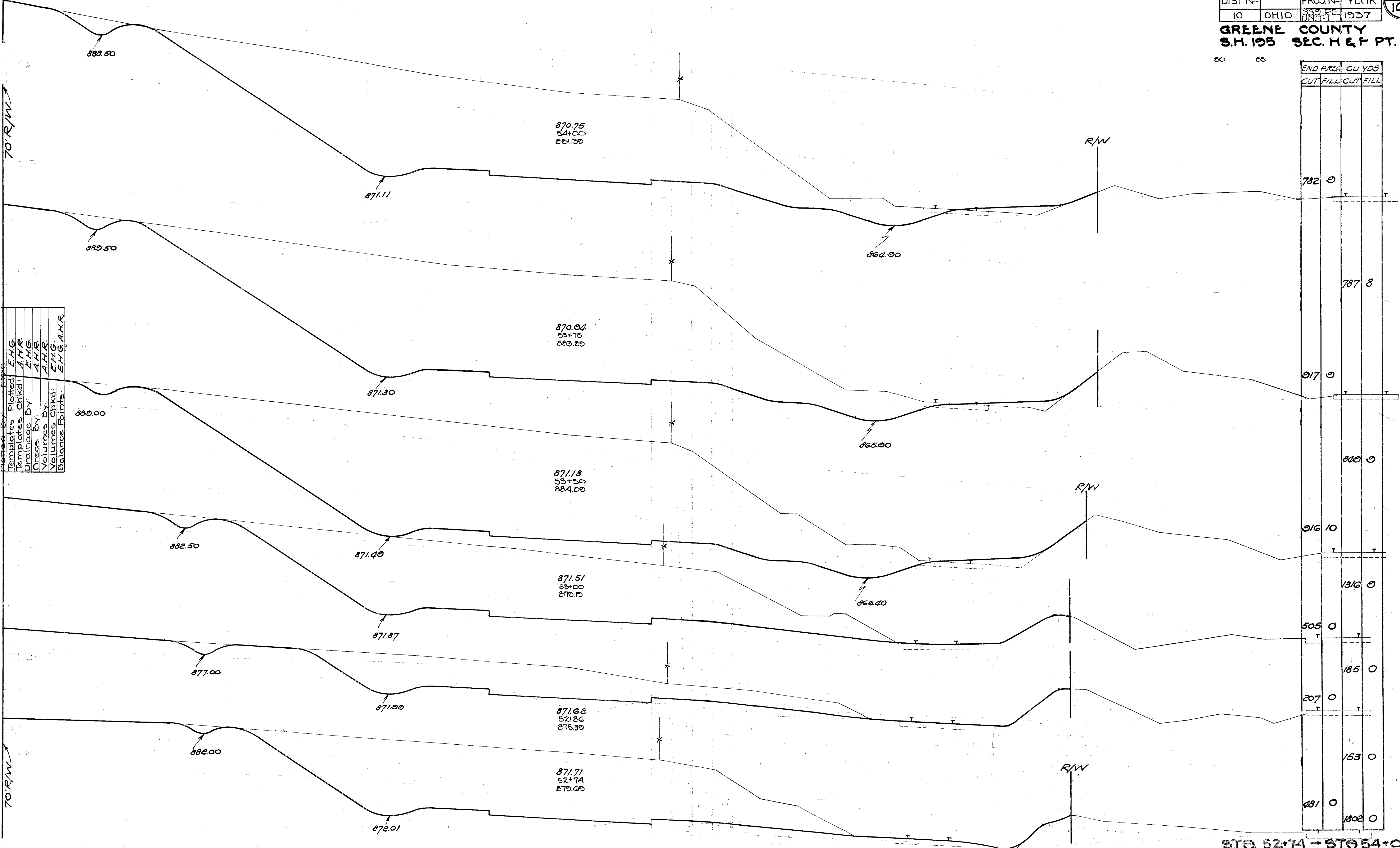
GREENE COUNTY
S.H. 195 SEC. H & F PT.

60 85

70 R/W

Plotted By: E.H.G.
Templates Plotted: E.H.G.
Drainage Chkd: A.H.R.
Drainage By: E.H.G.
Areas By: A.H.R.
Volumes Chkd: E.H.G.
Balance Points: E.H.G., A.H.R.

70 R/W



END AREA		CU YDS	
CUT	FILL	CUT	FILL
782	0		
		787	8
917	0		
		820	0
916	10		
		1316	0
505	0		
		185	0
207	0		
		153	0
481	0		
		1802	0

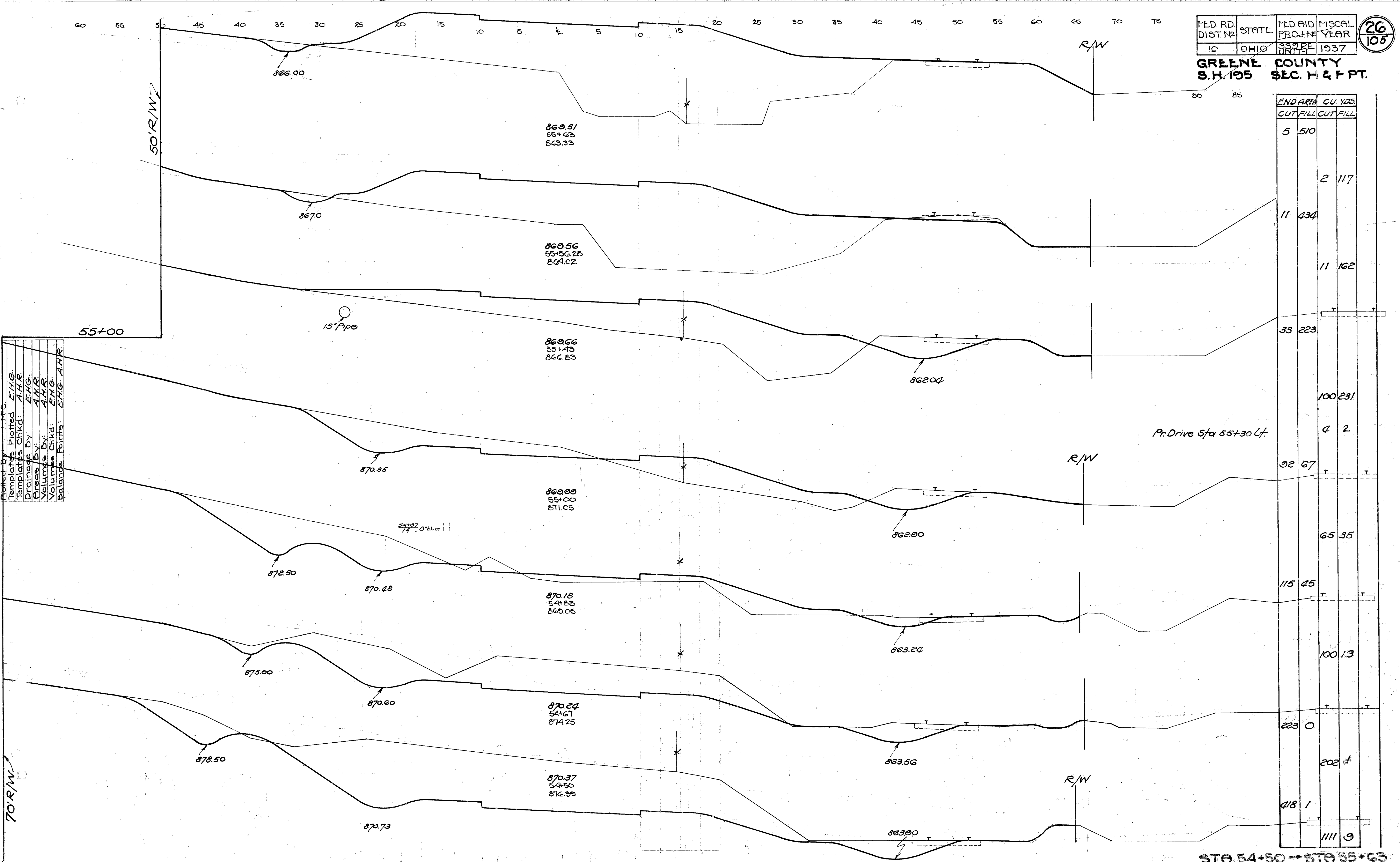
STA. 52+74 - STA 54+00

Plotted By: E.H.G.
 Templates Plotted: A.H.R.
 Templates Chkd: A.H.R.
 Drawings By: E.H.G.
 Areas By: A.H.R.
 Volumes By: A.H.R.
 Volumes Chkd: E.H.G.
 Balance Points: E.H.G. A.H.R.

FED. RD. DIST. NO.	STATE	FED. AID PROJ. YEAR	FISCAL YEAR
10	OHIO	330 RE	1937

26
105

GREENE COUNTY
S.H. 195 SEC. H & F PT.



END AREA	CUT	FILL	CU. YDS.	CUT	FILL
5	510				
		2	117		
11	434				
		11	162		
33	223				
		100	231		
		4	2		
92	67				
		65	35		
115	25				
		100	13		
223	0				
		202	1		
418	1				
		1111	9		

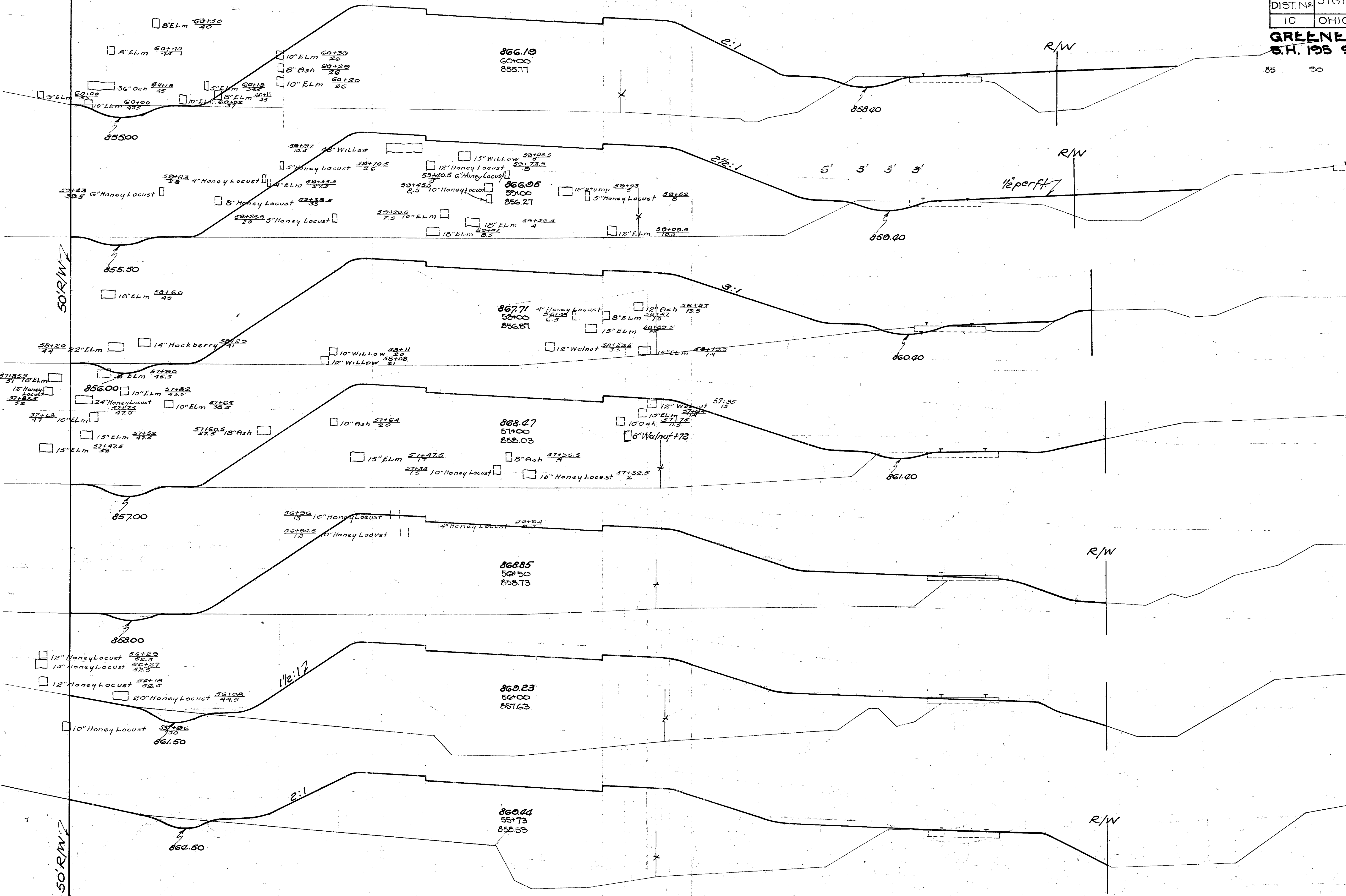
STA 54+50 → STA 55+63

55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80

FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR
10	OHIO	33912E	1937

27
105

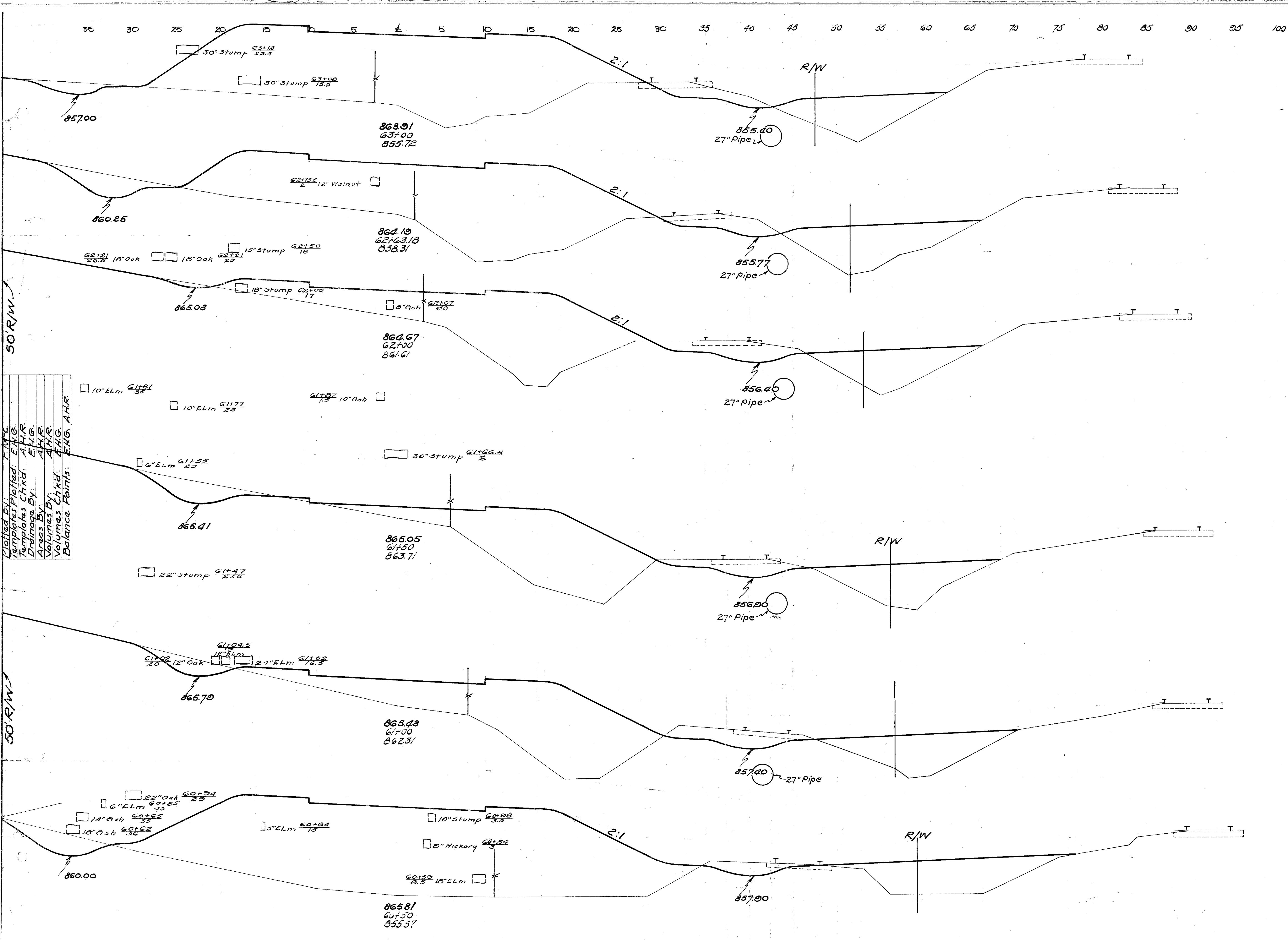
GREENE COUNTY
S.H. 195 SEC. H & F PT.



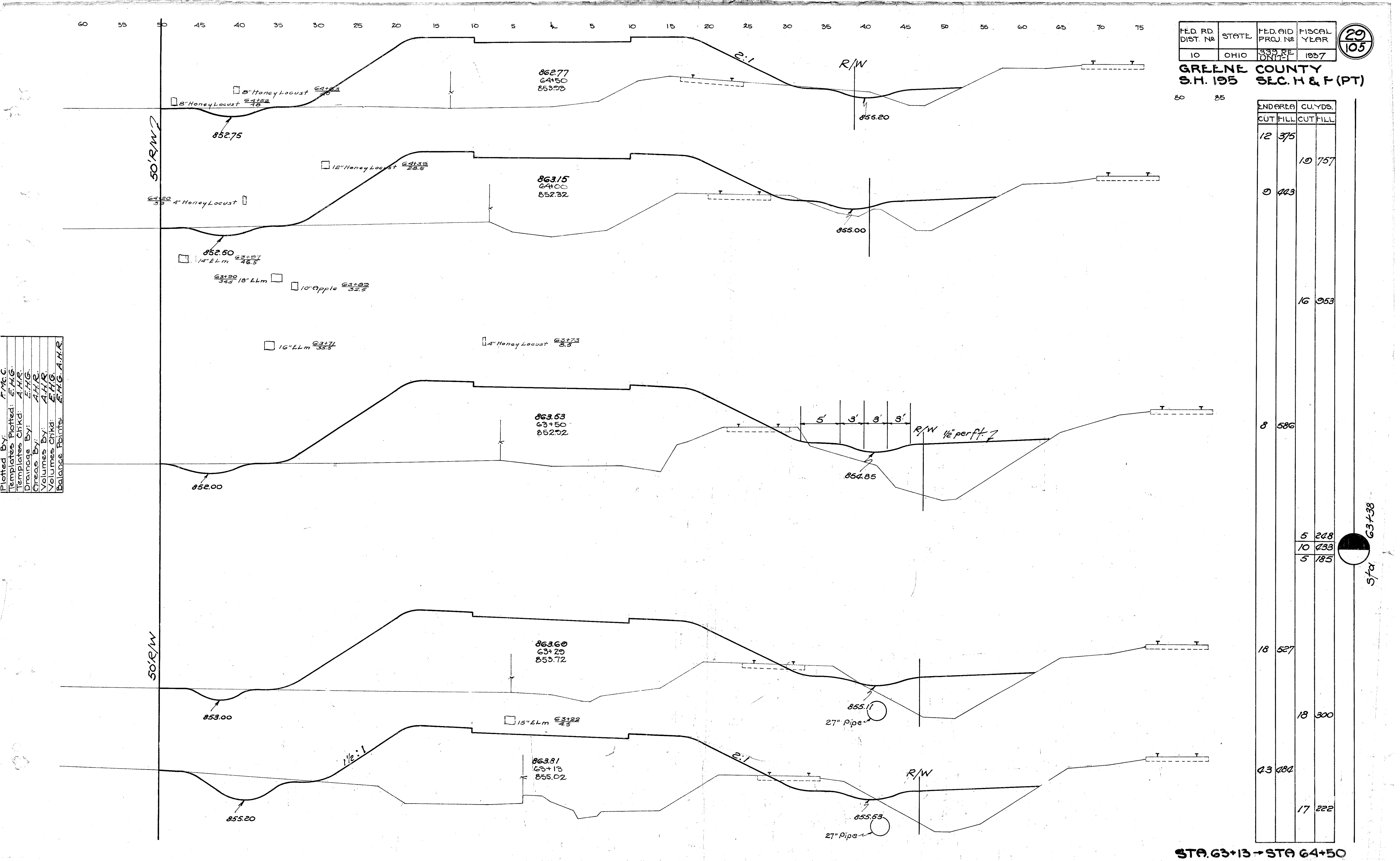
END AREA	CUT	FILL	CUT	FILL
16	673			
		57	2278	
15	665			
		46	2308	
10	603			
		30	2261	
11	618			
		14	1109	
4	623			
		9	1124	
6	591			
		6	553	
5	514			
		2	190	

Plotted By:	F.M.C.
Templates Plotted:	F.H.G.
Templates Chkd:	A.H.R.
Drainage By:	F.H.G.
Areas By:	A.H.R.
Volumes By:	A.H.R.
Volumes Chkd:	F.H.G.
Balance Points:	F.H.G.

STA. 55+73 - STA. 60+00



END AREA	CU. YDS.	
	CUT	FILL
26	439	
		46 530
41	410	
		83 702
30	269	
		68 461
43	229	
		77 464
40	272	
		63 725
28	587	
		41 1167



29
105

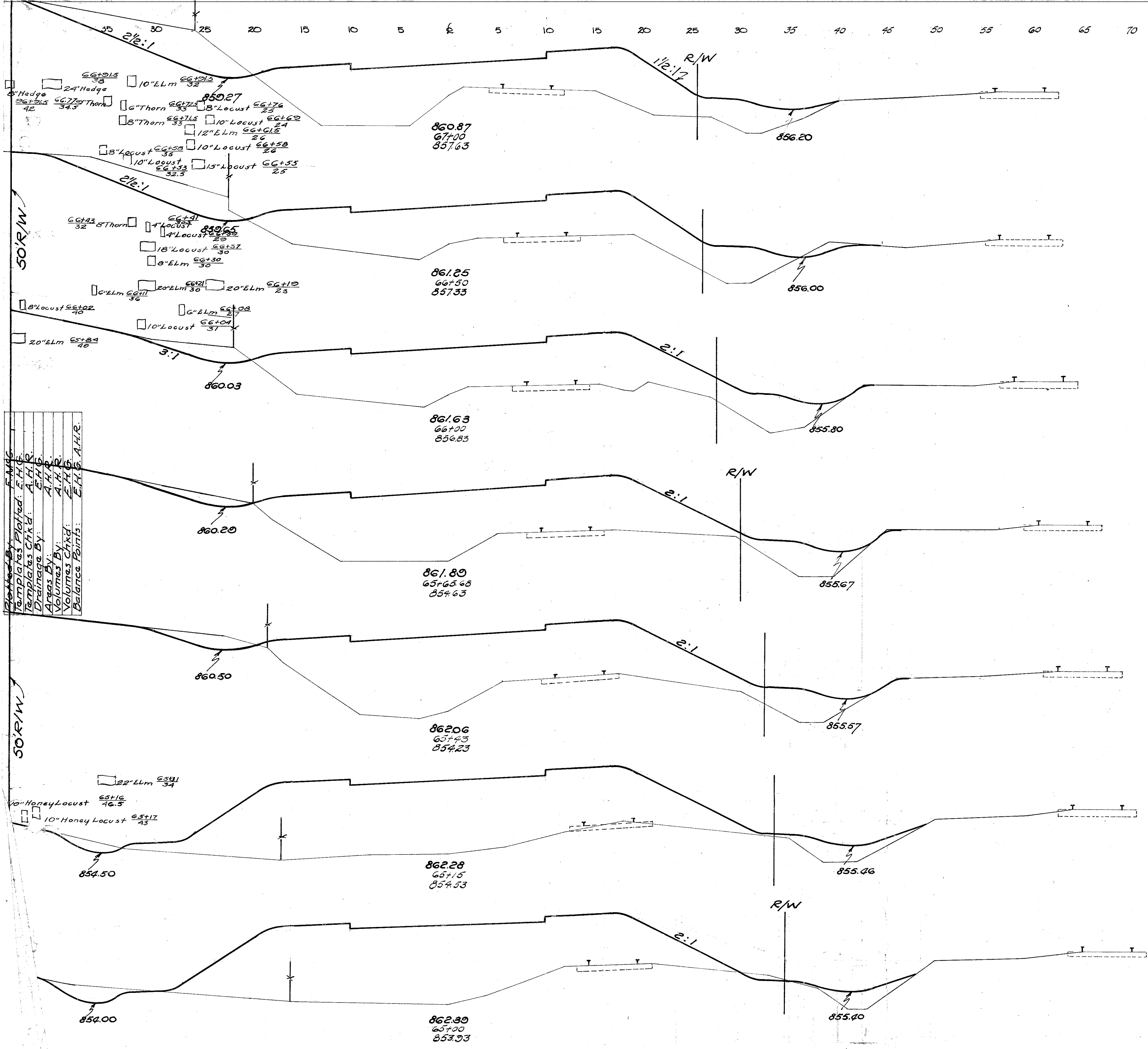
80 85

END AREA		CU. YDS.	
CUT	FILL	CUT	FILL
12	375		
		10	75
0	443		
		16	95
8	586		
		5	244
		10	43
		5	185
18	527		
		18	300
43	484		
		17	222

540 63438

STA. 63+13 → STA 64+50

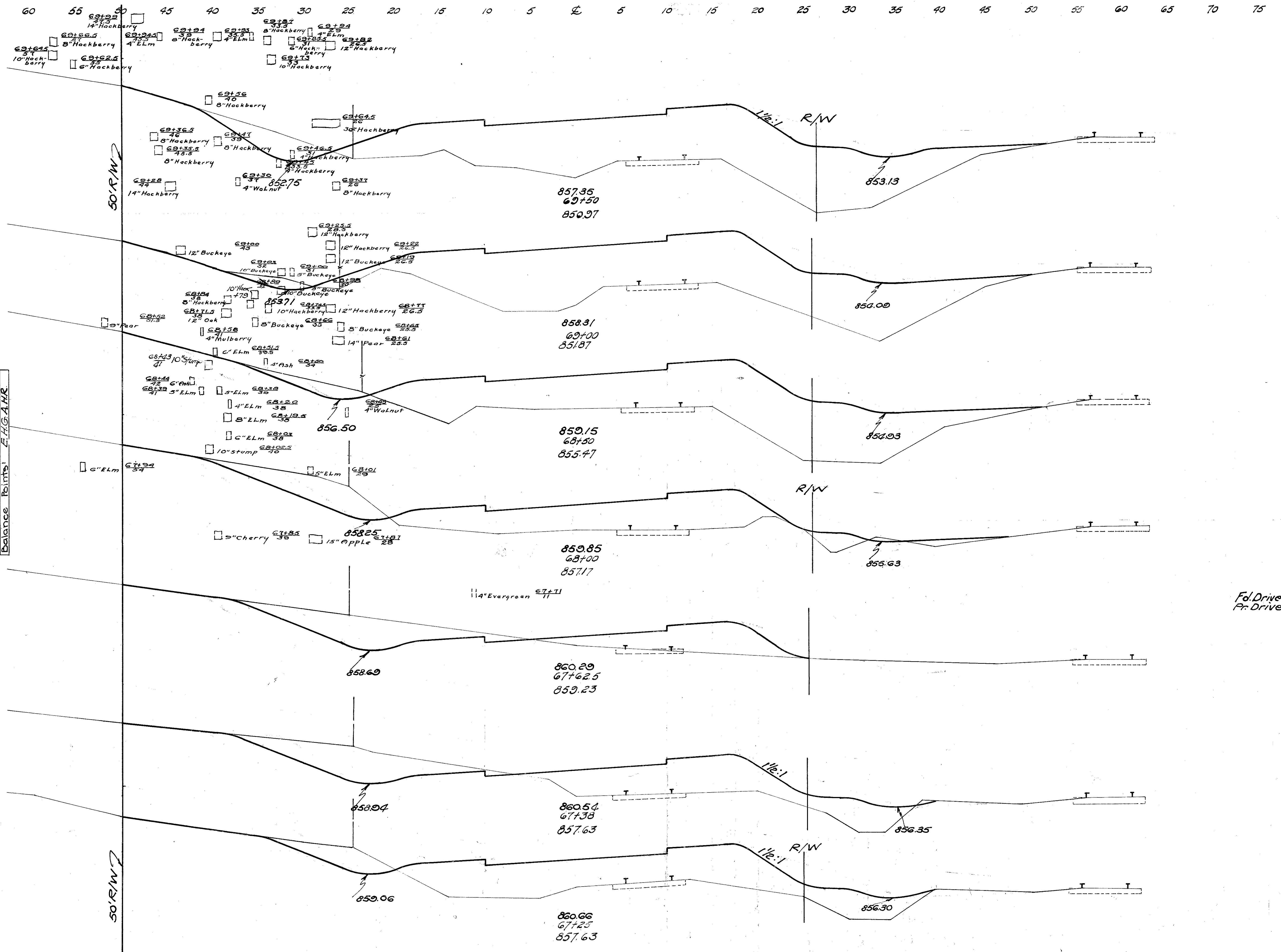
GREENE COUNTY
S.H. 195 SEC. H & F PT.



Checked By: F.M.C.
 Templates Plotted: E.H.G.
 Templates Chkd: A.H.R.
 Drainage By: E.H.G.
 Areas By: A.H.R.
 Volumes By: A.H.R.
 Volumes Chkd: E.H.G.
 Balance Points: E.H.G. A.H.R.

END AREA	CU. YDS.	
	CUT	FILL
55	128	
		90
42	213	
		50
12	251	
		13
8	280	
		8
11	296	
		8
2	375	
		5
13	343	
		23

20 FT. Pav't
 Sta. 65+38 to Sta. 67+00
 Excavation 5299 Cu.Yd.
 Embankment 13171 " "
 Borrow 15605 " "
 10506 " "



F.L.D. RD DIST. NO.	STATE	F.L.D. PROJ. NO.	FISCAL YEAR
10	OHIO	339 RE UNIT-1	1937

GREENE COUNTY
S.H. 195 SEC. H & F PT.

END AREA	CUT	FILL	CUT	FILL
27	357			
		31	651	
6	346			
		10	597	
14	299			
		40	907	
39	140			
		67	138	
		0	37	
57	58			
		52	81	
57	120			
		18	74	
10	185			
		34	105	

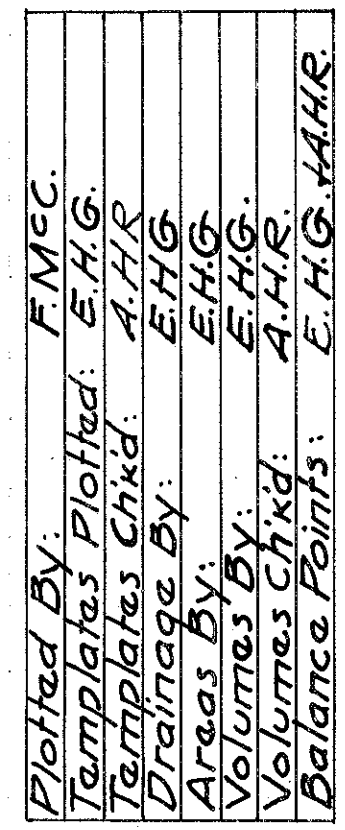
Fd. Drive Sta 67+62.68 R/L
Fr. Drive Sta 67+62.68 L/L

STA. 67+25 - STA 69+50

Plotted By: F.M.C.
Templates Plotted: F.H.G.
Drainage Chkd: A.H.R.
Drainage By: F.H.G.
Areas By: A.H.R.
Volumes Chkd: F.H.G.
Balance Points: F.H.G.A.H.R.

END AREA		CU. YDS	
CUT	FILL	CUT	FILL

STA. 70+00 → STA. 71+50



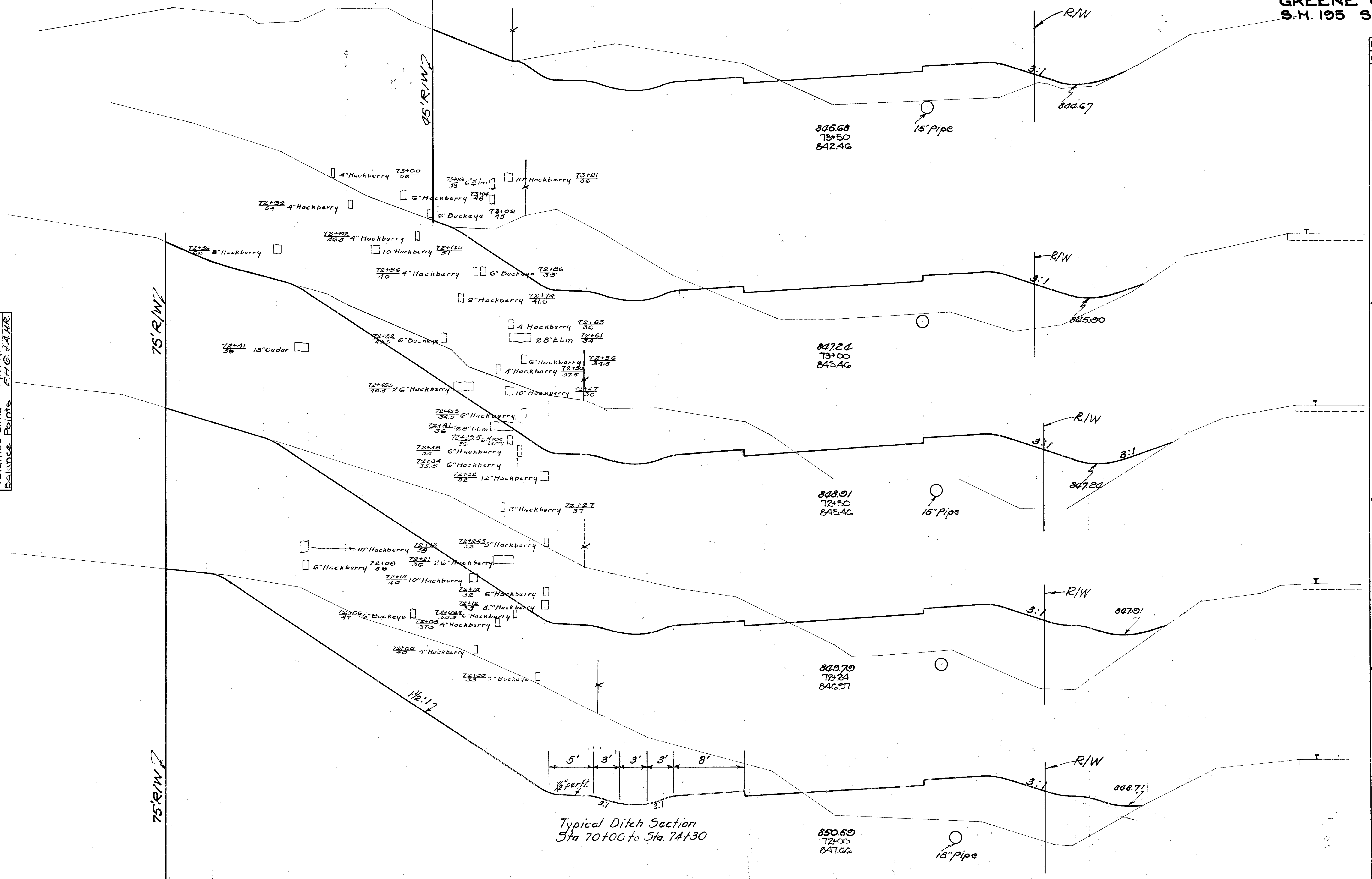
90 85 80 75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45

FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR
10	OHIO	339 125 UNIT 1	1937

33
105

GREENE COUNTY
S.H. 195 SEC. H & F (PT.)

Plotted By: E.H.G.
Templates Chkd: A.H.R.
Drainage By: E.H.G.
Areas By: E.H.G.
Volumes By: E.H.G.
Volumes Chkd: A.H.R.
Balance Points: E.H.G./A.H.R.



END AREA		CU. YDS.	
CUT	FILL	CUT	FILL
84	88		
		203	231
135	162		
		326	306
217	168		
		237	176
272	197		
		311	154
425	149		
		1002	301

STA. 72+00 → STA. 73+50

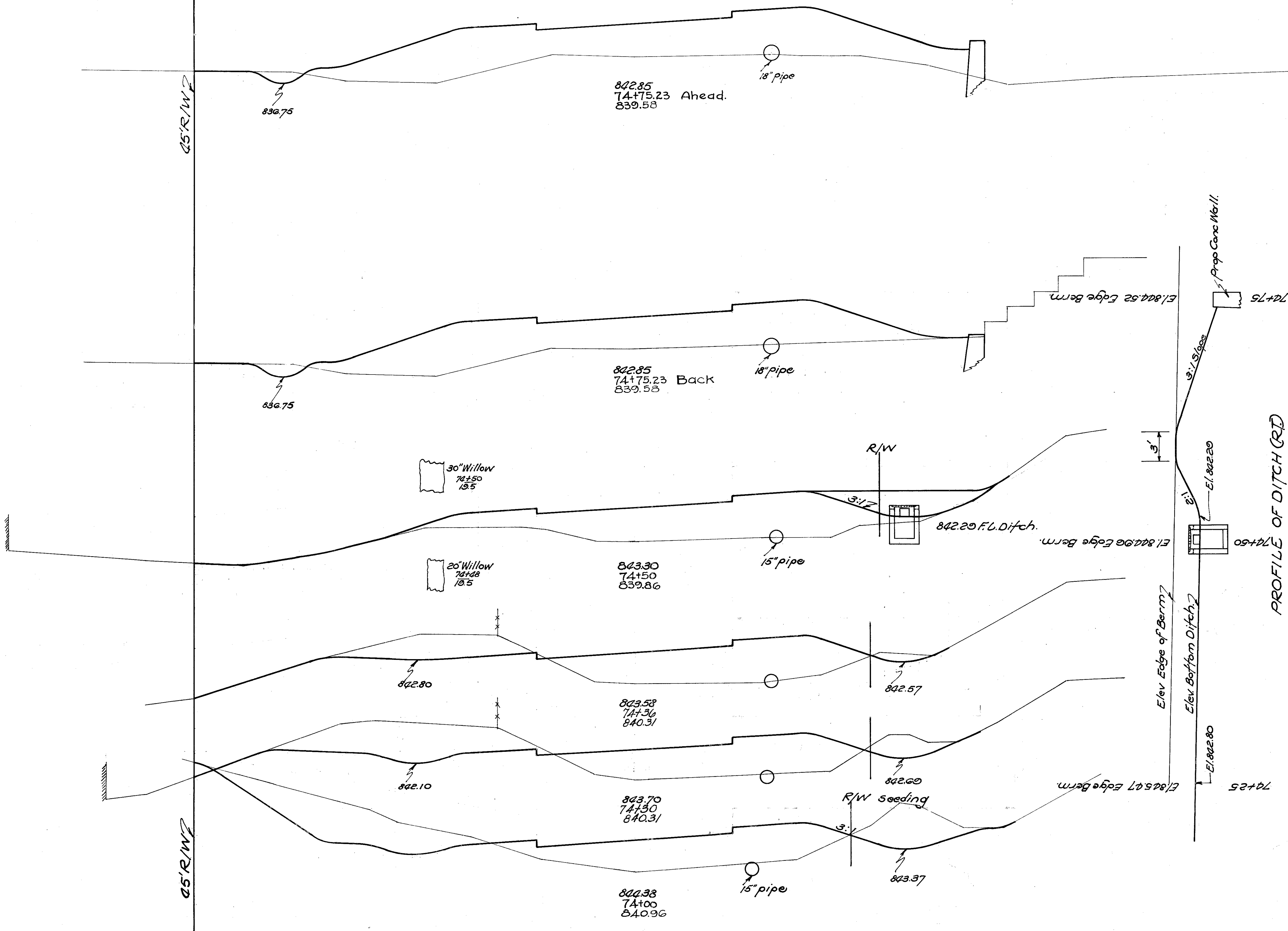
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FED. RD. DIST. No	STATE	FED. AID PROJ. No	FISCAL YEAR
10	OHIO	339 RE UNIT 1	1937

34
105

GREENE COUNTY
S.H. 125 SEC. H. & F. (PT.)

Plotted By: F.M.C.
Templates Plotted: E.H.G.
Templates Chkd.: A.H.R.
Drainage By: E.H.G.
Areas By: E.H.G.
Volumes By: E.H.G.
Volumes Chkd.: A.H.R.
Balance Points: E.H.G.



END AREA		CU. YDS.	
CUT	FILL	CUT	FILL
6	210		
6	208		
		3	178
Ahead	0	172	
Back	0	141	
		10	63
30	102		
		14	22
86	93		
		101	106
107	98		
		177	172

STA. 74+00 → STA. 74+75.23

50 45 40 35 30 25 20 15 10 5 4 5 10 15 20 25 30 35 40 45 50 55 60 65

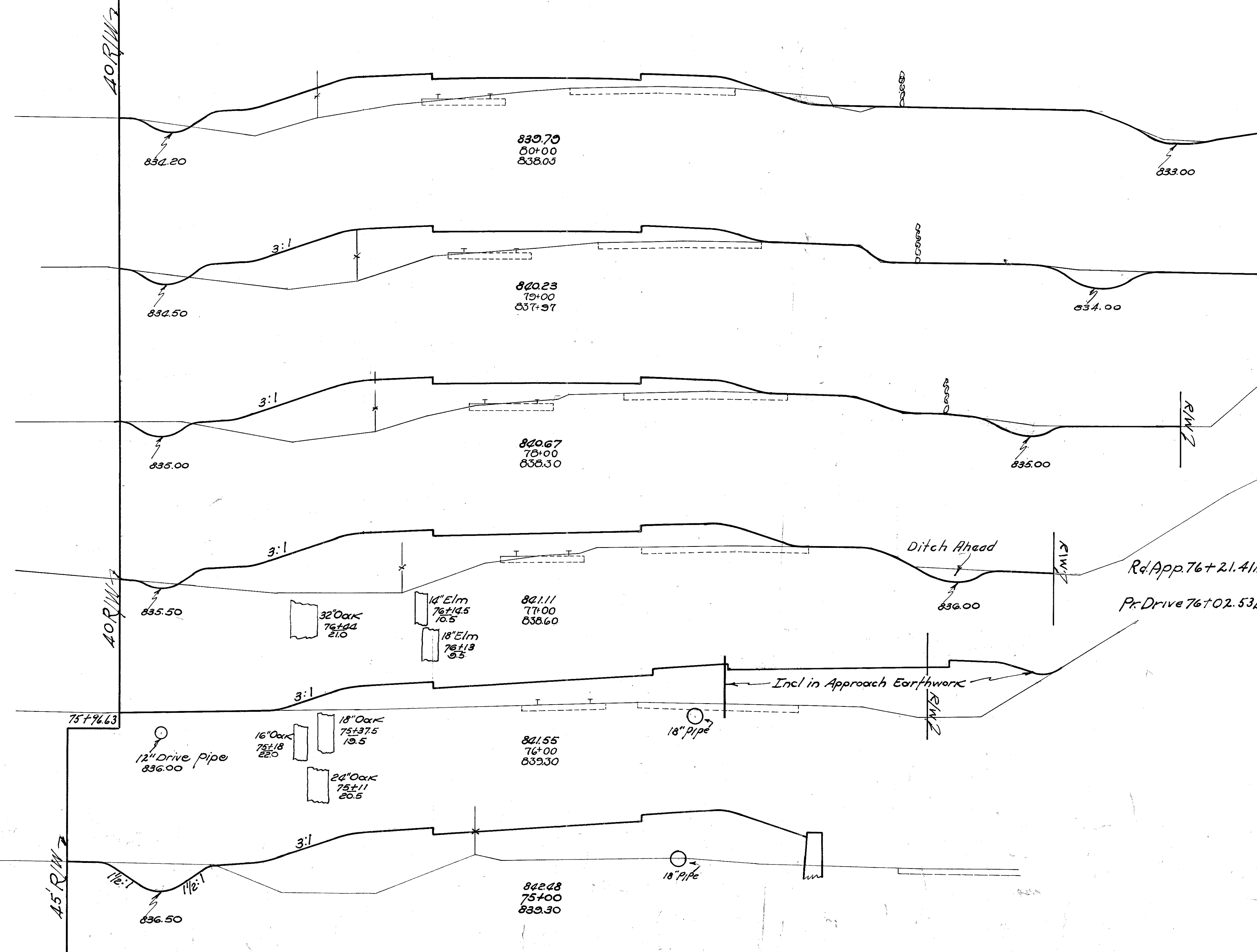
FED. RD. DIST. N°	STATE	FED. AID PROJ. N°	FISCAL YEAR
10	OHIO	335 RE UNIT-1	1937

35
105

GREENE COUNTY
S.H. 195 SEC. H & F (PT.)

				END AREA		CU YDS	
				CUT	FILL	CUT	FILL
				12	115		
						48	287
				14	128		
						50	528
				13	137		
						43	587
				Ahead Back	10 2	180 180	
						0	271
						0	14
						4	531
				0	107		
						32	593
				17	213		
						11	208

Sta. 80+00



Plotted By: F.M.C.
Templates Plotted: E.H.G.
Templates Chkd: A.H.R.
Drainage By: E.H.G.
Areas By: A.H.R.
Volumes By: A.H.R.
Volumes Chkd: E.H.G.
Balance Points: E.H.G. A.H.R.

STA. 75+00 → STA. 80+00

50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65

FED. RD. DIST. N ^o	STATE	FED. AID PROJ. N ^o	FISCAL YEAR
10	OHIO	339 RE UNIT-1	1937

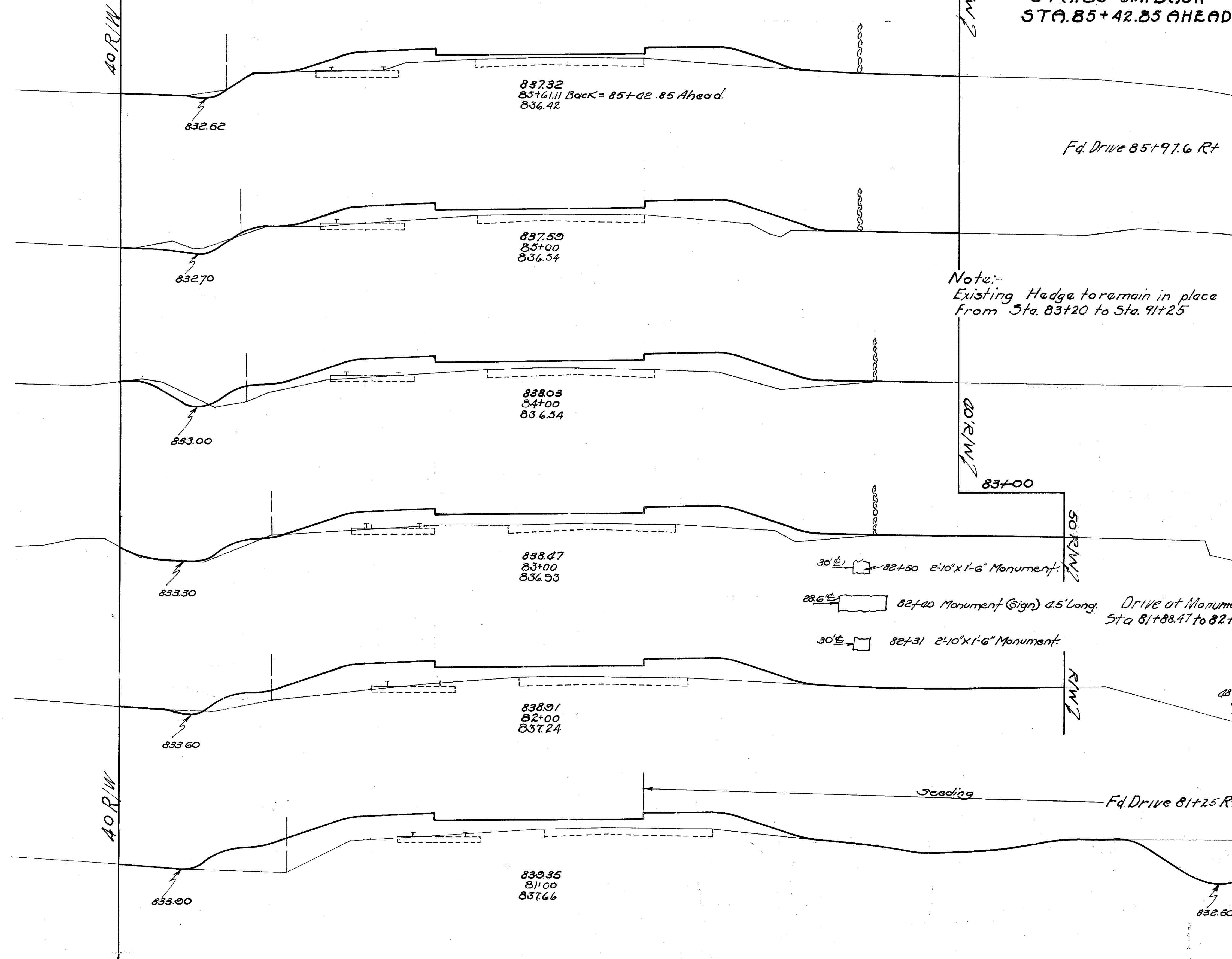
36
105

GREENE COUNTY
S. H. 195 SEC. H & F (PT.)

EQUATION
STA. 85+61.11 BACK=
STA. 85+42.85 AHEAD

END AREA		CU. YDS	
		CUT	FILL
2	58		
		0	14
		8	108
5	73		
		10	296
5	87		
		0	311
0	81		
		0	145
		4	331
2	98		
		81	380
		14	
42	107		
		100	411

STA. 81+00 → STA. 85+61.11



Plotted By: F.M.C.
Templates Plotted: E.H.G.
Templates Chkd: A.H.R.
Drainage By: E.H.G.
Dregs By: A.H.R.
Volumes By: A.H.R.
Volumes Chkd: E.H.G.
Balance Points: E.H.G., A.H.R.

65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65

FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR
10	OHIO	339 RE UNIT-1	1937

37
105

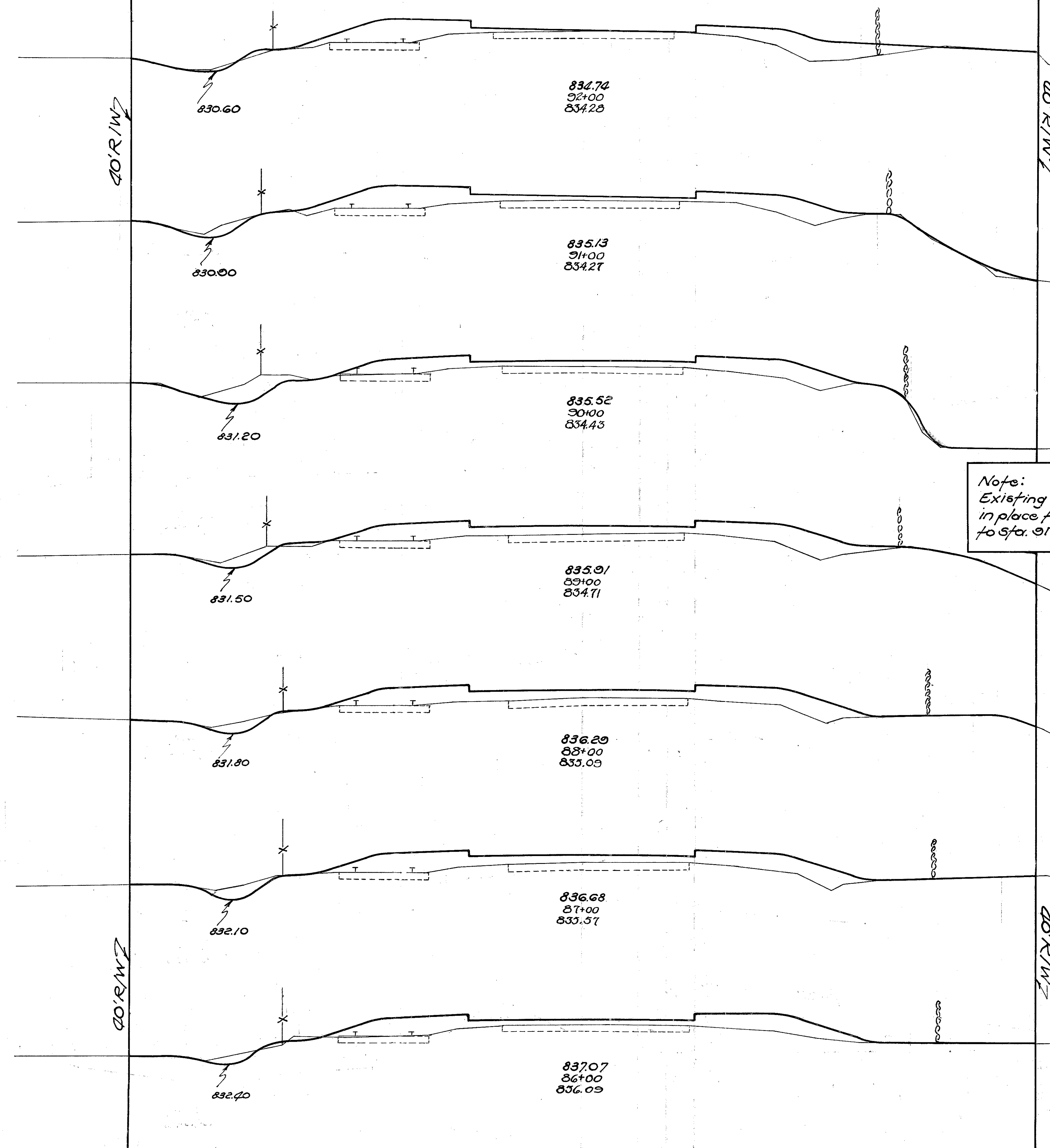
GREENE COUNTY
S.H. 125 SEC. H & F PT.

END AREA		CU. YDS		END AREA		CU. YDS	
CUT	FILL	CUT	FILL	CUT	FILL	CUT	FILL
				2	66		
						11	239
				4	63		
						28	220
				11	56		
						32	220
				6	67		
						10	240
				4	65		
						17	240
				5	68		
						17	239
				4	61		
						6	126

Note:
Existing Hedge to remain
in place from Sta 83+20
to Sta. 91+25

20 Ft. Point
Sta 80+00 to Sta 96+00
Excavation 280 Cu. Yd.
Embankment 2669 " "
5597 " "
Borrow 5117

Plotted By: F.M.C.
Templates Plotted: E.H.G.
Templates Chkd: A.H.R.
Drainage By: E.H.G.
Areas By: A.H.R.
Volumes By: A.H.R.
Volumes Chkd: E.H.G.
Balance Point: E.H.G. A.H.R.

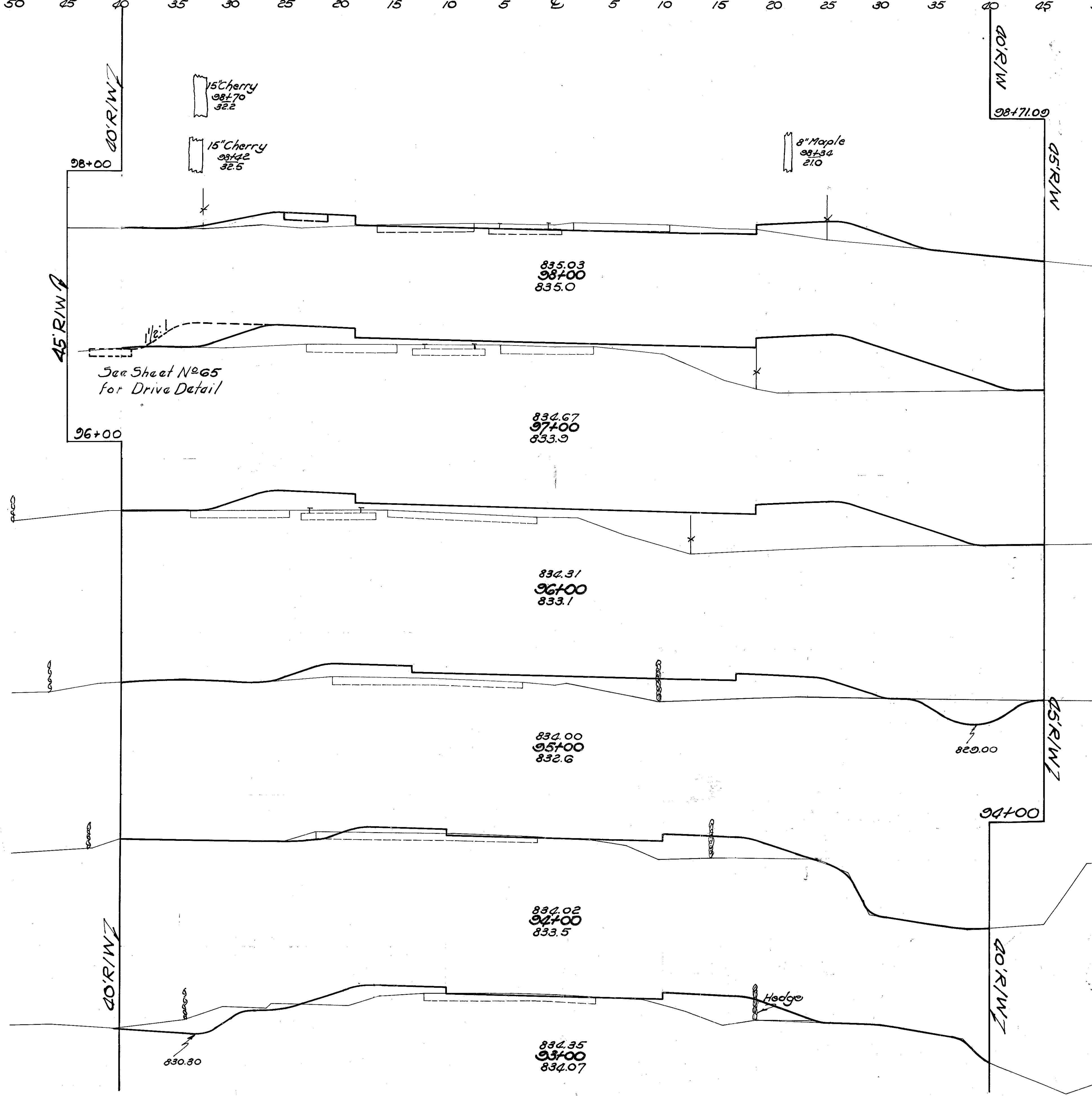


STA. 86+00 → STA. 92+00

FED. RD. DIST. NO.	STATE	FED. AID PROJ. YEAR	38 105
10	OHIO	339 RE. 1937	

GREENE COUNTY
S.H. 105 SEC. H, & F, (PT.)

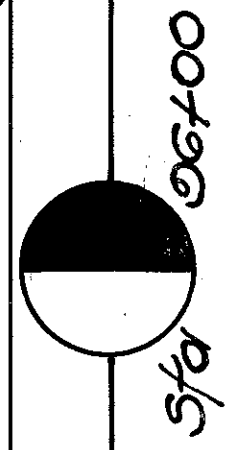
Plotted By: E.H.G.
Templates Plotted: E.H.G.
Grading: A.H.R.
Areas By: A.H.R.
Volumes By: A.H.R.
Balance Point: E.H.G. A.H.R.



Sta. 96+00 Beg. of 37' Pavt.
End of 20' Pavt.

End Area		Cu. Yd.	
Cut	Fill	Cut	Fill
13	02	24	357
0	151	0	170
		0	567
0	155		
		30	446
16	86	33	243
		2	45
		33	172
16	48	33	211

STA 93+00 TO STA 98+00

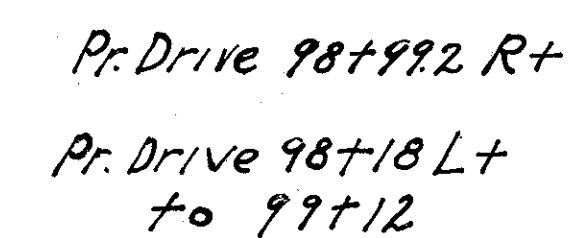


39
105

GREENE COUNTY
S.H. 195 SEC. H&F (P.T.)

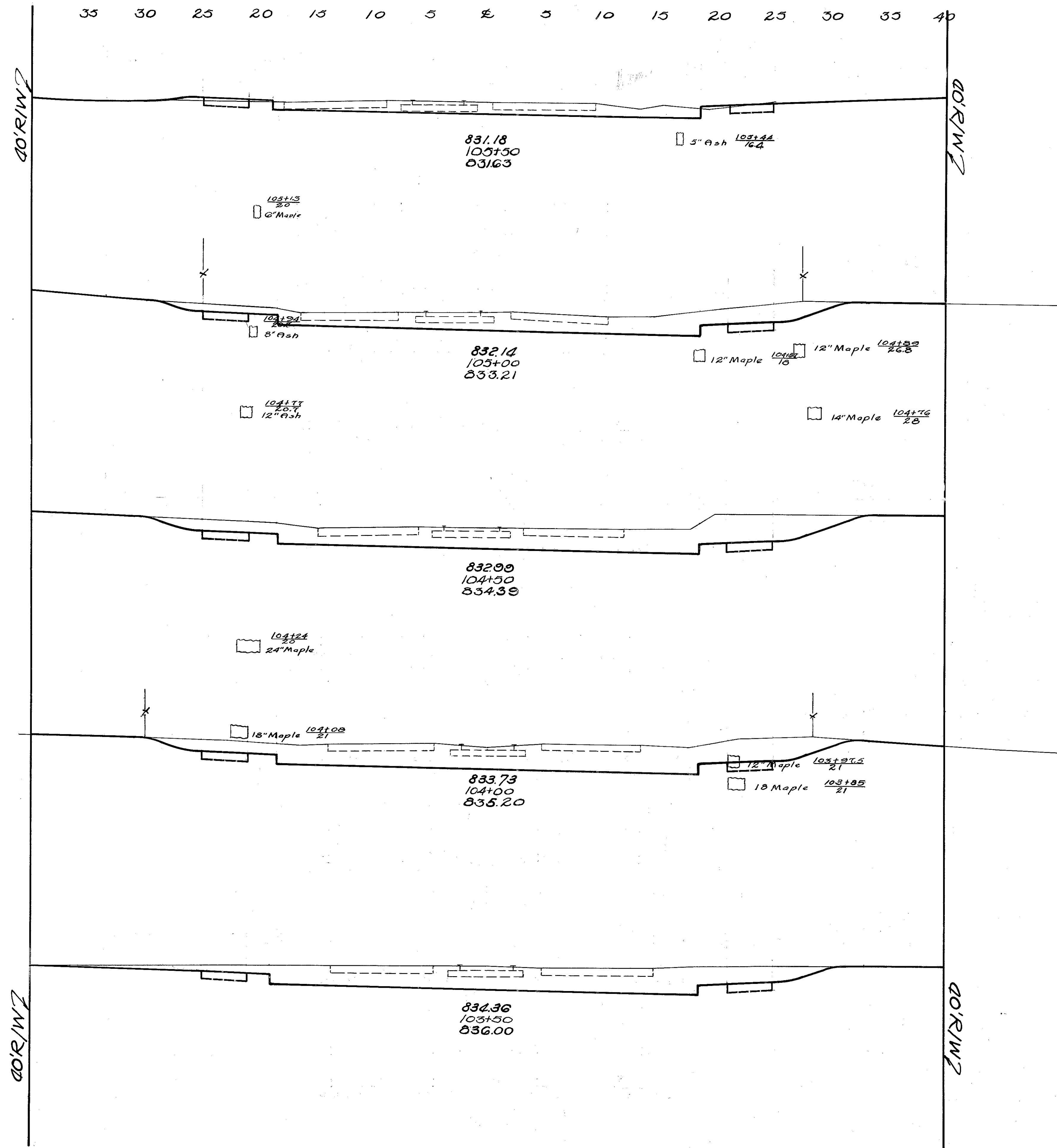
37 FL Port
Sta 96+00 To Sta 107+00
Excavation 2019 Cu.Yd.
Embankment 1477 Cu.Yd.
Emb + 20% 1772 " "
Waste 302

STA. 99+00 → STA. 103+00



Plotted By:	F.M.C.
Templates Plotted:	E.H.G.
Templates Chkd:	A.H.R.
Drainage By:	F.H.G.
Areas By:	A.H.R.
Volumes By:	A.H.R.
Volumes Chkd:	E.H.G.
Balance Points:	E.H.G. A.H.R.

Plotted By: F.M.C.
Templates Plotted: E.H.G.
Templates Chkd: A.H.R.
Drainage By: E.H.B.
Areas By: A.H.R.
Volumes By: A.H.R.
Volumes Chkd: E.H.G.
Balance Points: E.H.G. A.H.R.



FED. RD. DIST. N.	STATE	FED. AID PROJ. N.	FISCAL YEAR
10	OHIO	339 RE UNIT-7	1937

40
105

GREENE COUNTY
S.H. 195 SEC. H&F (P.T.)

		END AREA		CU. YDS.	
		CUT	FILL	CUT	FILL
		27	4		
				70	4
		58	0		
				132	0
		84	0		
				163	0
		92	0		
				157	0
		77	0		
				4	0
				144	0
				58	0

Pt. Drive 103+00 Lt.
Rd. App 103+00 Rt.

STA. 103+50 - STA. 105+50

41
105

GREENE COUNTY
S.H. 195 SEC. H&F (PT.)

5

10

20 Ft. Buylt

Sta 107+00 to Sta 109+00

Excavation

Em6 +20%

Borrow

132 Cu Yd.

260 "

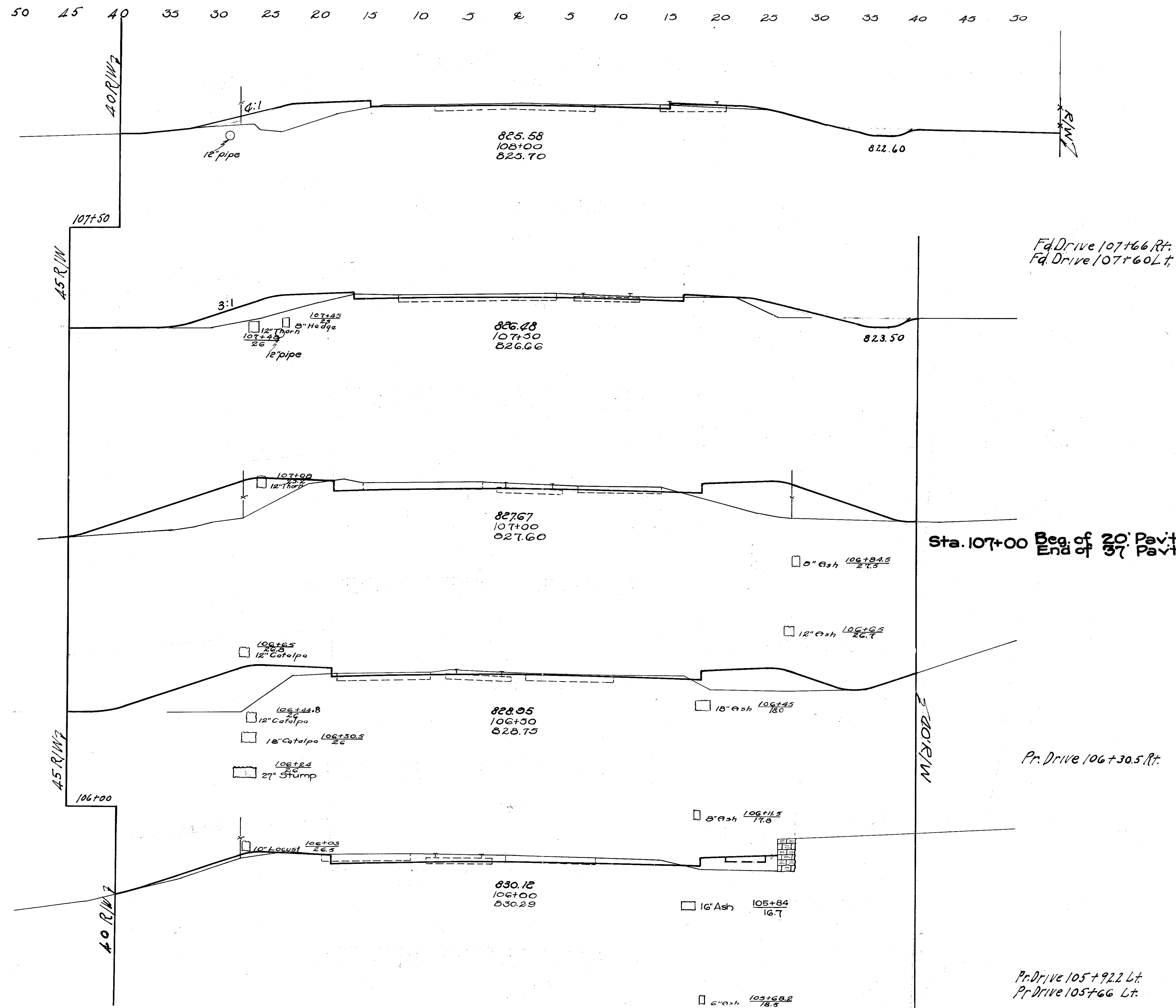
312 "

118 "

Sta 107+00

Sta

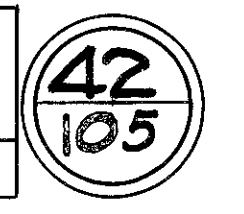
STA. 106+00 - STA. 108+00



Plotted By:	F M ⁵ C.
Templates Plotted:	F.H.G.
Templates Chkd:	A.H.R.
Drawing By:	E.H.G.
Dress By:	A.H.R.
Volumes By:	A.H.R.
Volumes Chkd:	E.H.G.
Balance Points:	F.H.G. A.H.R.

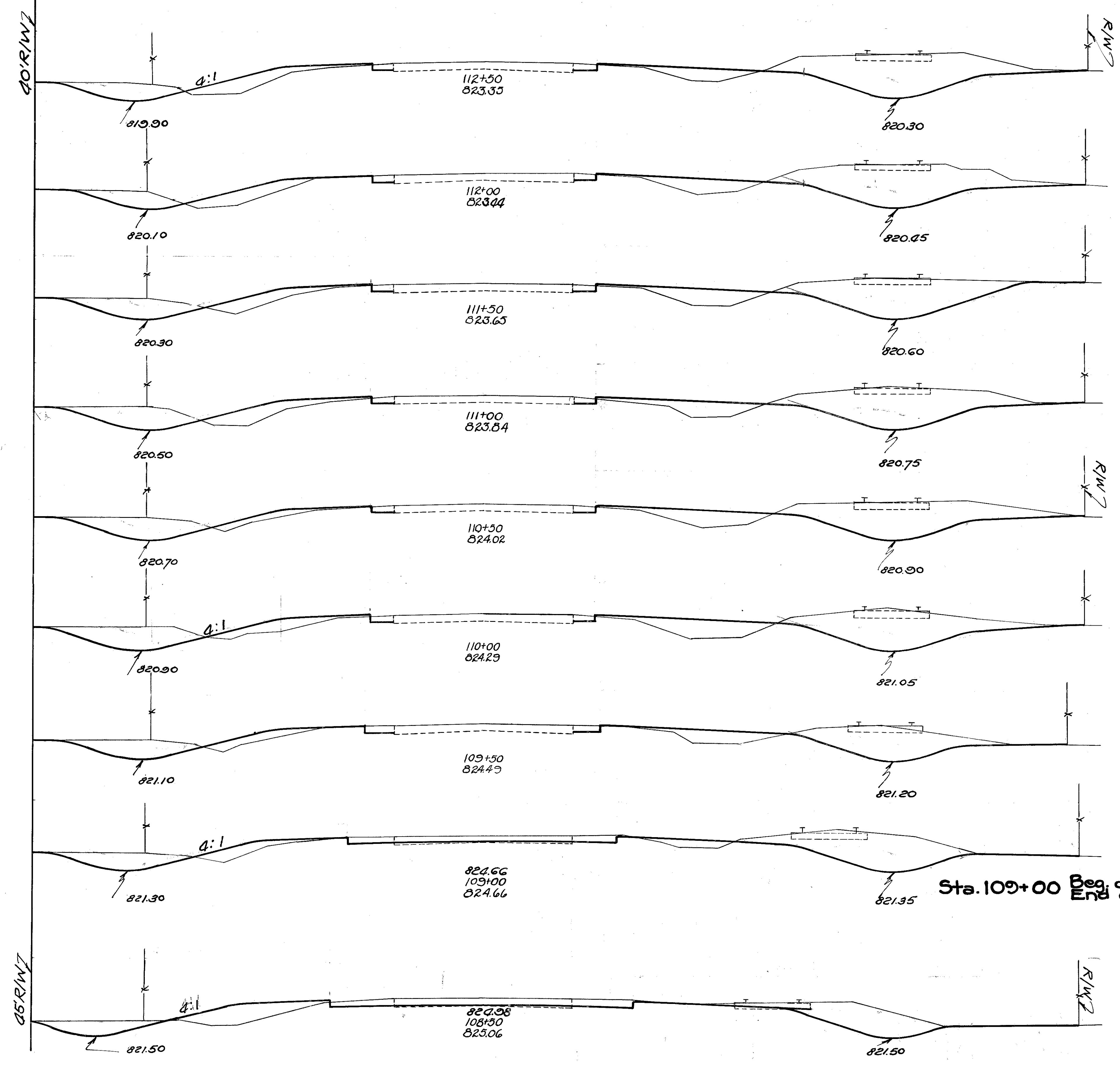
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FED. RD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR
10	OHIO	339 RE. UNIT-1	1937



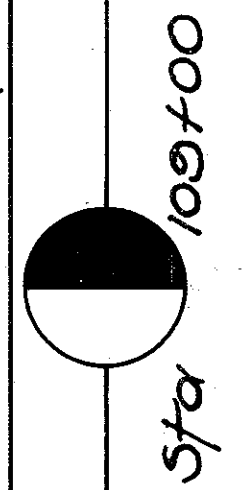
GREENE COUNTY
S. H. 195 SEC. H&F (PT.)

Plotted By:	F.M.C.
Templates Plotted:	E.H.G.
Templates Chkd:	A.H.R.
Drainage By:	E.H.G.
Areas By:	A.H.R.
Volumes By:	A.H.R.
Volumes Chkd:	E.H.G.
Balance Points:	E.H.G. A.H.R.



END AREA		CU YDS	
CUT	FILL	CUT	FILL
73	23		
		131	43
68	23		
		120	41
66	21		
		128	44
72	27		
		131	43
69	19		
		126	43
67	27		
		112	41
54	17		
		109	27
64	12		
		102	25
46	15		
		51	49

4' Widening 115+00
Sta. 109+00 to 115+00
Excavation 508 Cu. Yd.
Embankment 527 " " "
Waste 876 " " "



Sta. 109+00 Beg. of 4' Widening
End of 20' Pavt.

STA. 108+50 - STA. 112+50

65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60

FED. RD DIST. N ^o	STATE	FED. AID PROJ. N ^o	FISCAL YEAR
10	OHIO	333 RE UNITS	1937

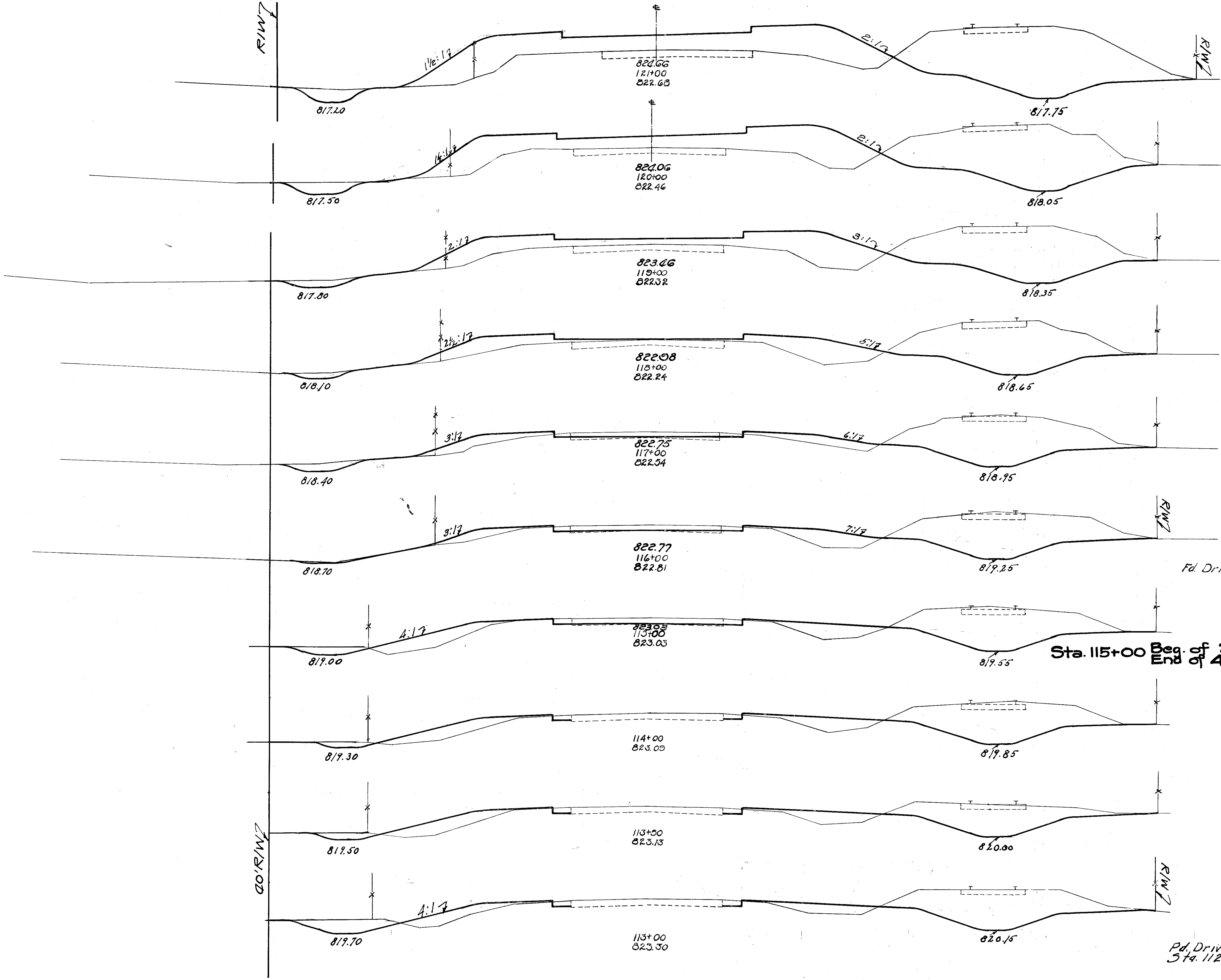
43
105

GREENE COUNTY
S.H. 195 SEC. H & F (PT.)

		END AREA	CUT	FILL	CU. YDS
		149	126		511 428
		127	105		430 344
		105	81		359 254
		89	56		331 146
		90	23		315 87
		80	24		289 100
		76	30		270 107
		70	28		114 50
		53	26		121 45
		78	23		2 0
					140 43

STA. 113+00 → STA. 121+00

Plotted By: F.M.C.
Templates Plotted: F.H.G.
Templates Chkd: A.H.R.
Drainage By: F.H.G.
Areas By: A.H.R.
Volumes By: A.H.R.
Volumes Chkd: F.H.G.
Balance Points: F.H.G. & A.H.R.



Sta. 115+00 Beg. of 20' Pavt.
End of 4' Widening.

Fd. Drive Sta. 115+41.5

Pd. Drive
Sta. 112+97.2

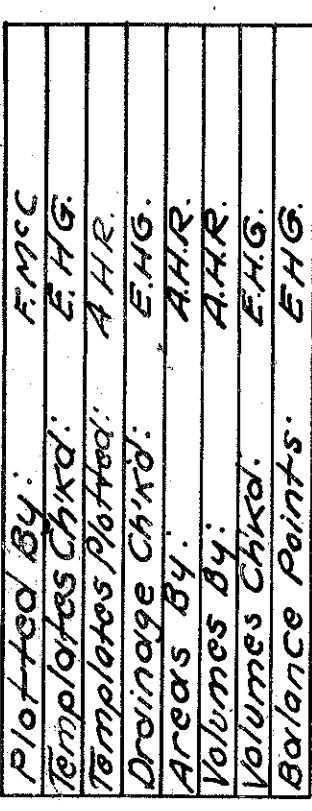
Sta. 115+00



GREENE COUNTY
S.H. 195 SEC. H & F (PT.)

Sta 115+00 to Sta 128+40.2
Excavation
Em 6 + 20 %

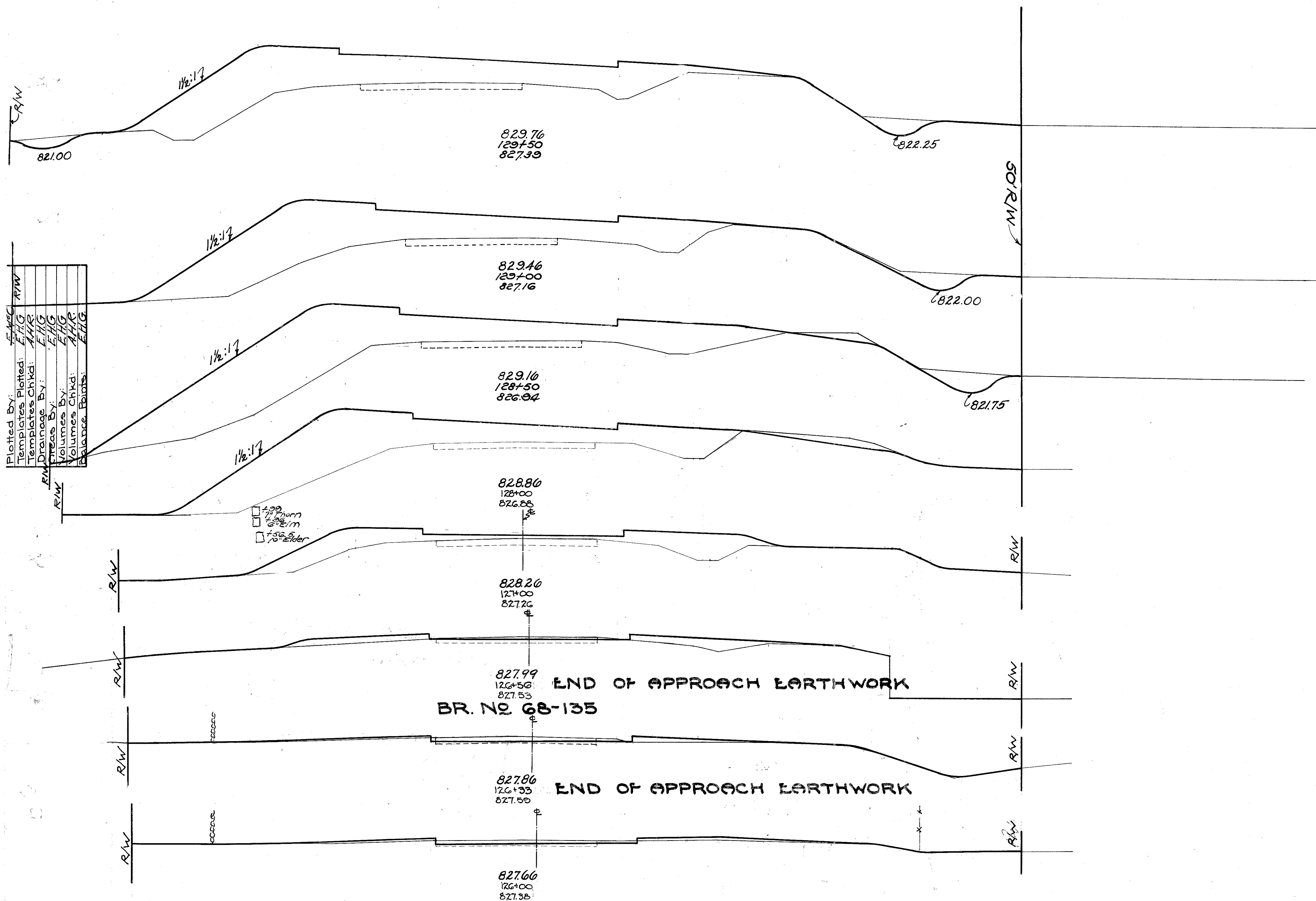
STA. 122+00 - STA. 125+00



FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR
10	OHIO	339 RE UNIT-7	1937

45
105

GREENE COUNTY
S.H. 195 SEC. H & F (PT.)

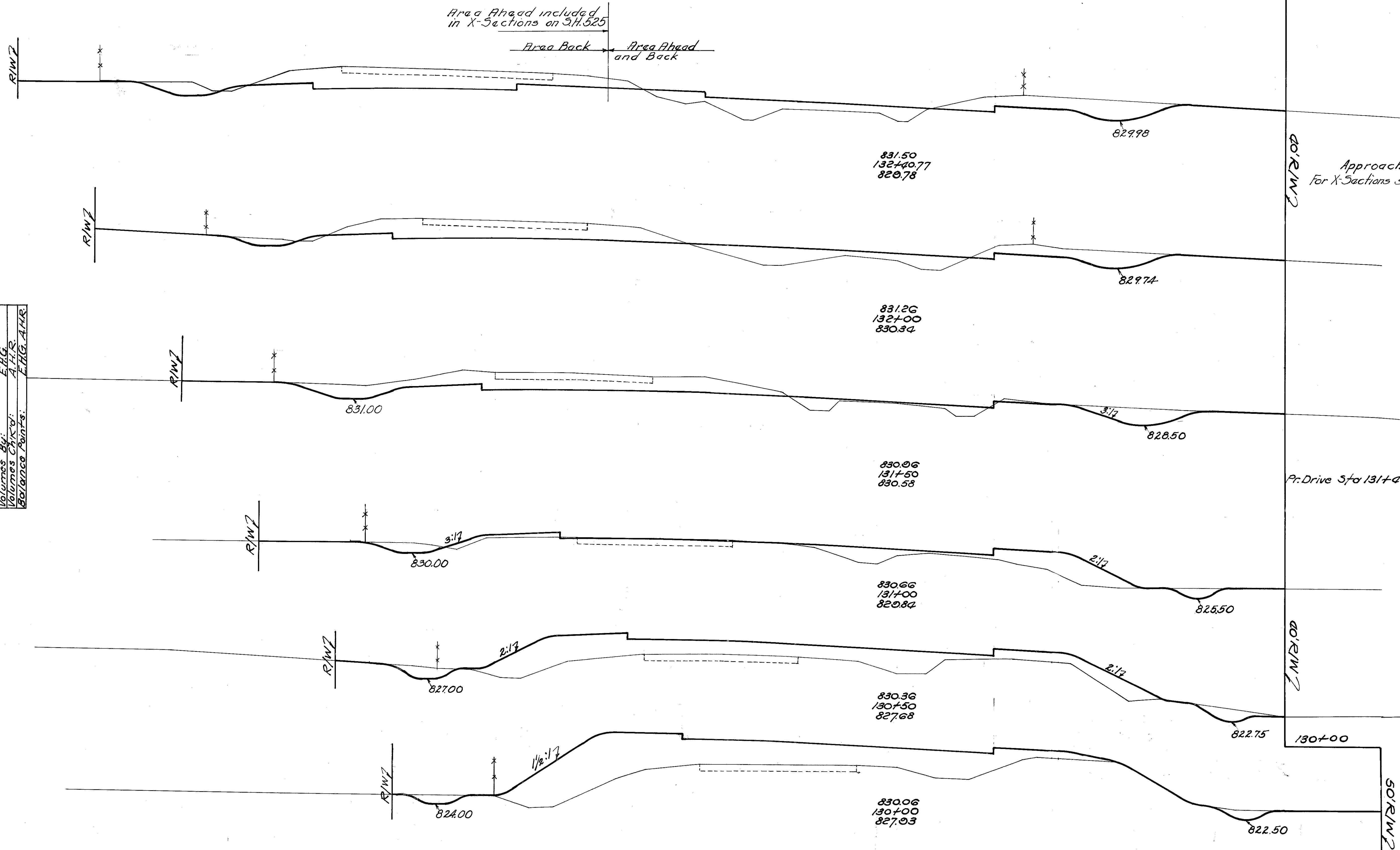


END AREA	CU YDS	
	CUT	FILL
7	187	
		13 357
7	198	
		20 409
15	244	
		4 76
		19 387
		15 311
6	174	
		11 456
0	72	
		0 33
		0 81
0	28	
		Bridge
1	10	
		1 14
1	12	
		4 91
		0 1

Pr. Drive Sta 125+55.67 R/L

STA. 126+00 - STA. 129+50

Plotted By: E.H.G.
Templates Potted: E.H.G.
Template Chkd: A.H.R.
Drainage Chkd: E.H.G.
Areas By: E.H.G.
Volumes By: E.H.G.
Volume Chkd: A.H.R.
Balance Pnts: E.H.G. A.H.R.



END AREA		Cu. Yd.	
CUT	FILL	CUT	FILL
34	33		
85	34		
		328	18
		119	49
72	31		
		132	41
71	13		
		3	0
		73	60
8	52		
		10	161
12	122		
		10	275
8	175		
		14	335

20' R/W
Sta 128+00.2 To Sta 130+00.2
Excavation
Embankment
Emb + 20%
Borrow

95 90 85 80 75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70

FED. RD DIST. NO.	STATE	FED. AID PROJ. YEAR	FISCAL YEAR
10	OHIO	335 RE UNIT-1	1937

47
105

GREENE COUNTY
S.H. 105 SEC H, & F (PT)

Gas Station

Pr. Drive Sta. 134+52.5 C+

End Area	Cu. Yd.
Cut	Fill

73	15	5	0
61	19	104	26
43	31	48	23
40	47	77	72
31	48	66	88
33	36	59	78
		11	12

832.91
134+67
832.83

830.69

832.61
134+25
831.78

830.57

832.46
134+00
831.43

830.49

832.16
133+50
830.18

830.34

831.86
133+00
829.74

830.19

831.56
132+50
829.78

830.04

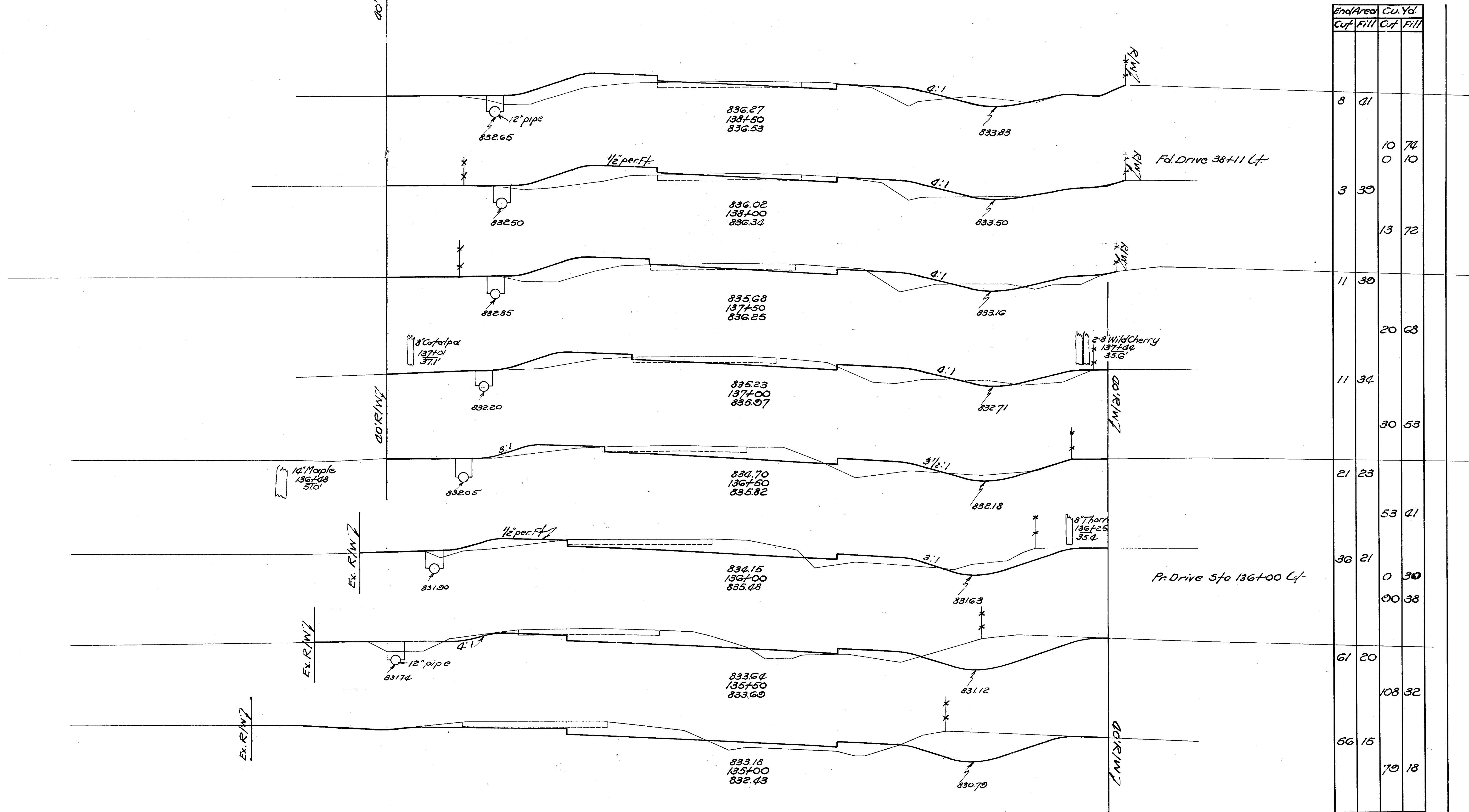
STA 132+50 TO STA 134+67

Plotted By: E.H.G.
Temp. Res. Plotted: E.H.G.
Temp. Res. Chkd.: A.H.R.
Drainage Chkd.: E.H.G.
Areas By: E.H.G.
Volumes By: E.H.G.
Volumes Chkd.: A.H.R.
Balance Points: E.H.G.

FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR
10	OHIO	333 RE UNIT-7	1936

GREENE COUNTY
S.H. 105 SEC H, & F, (PT.)

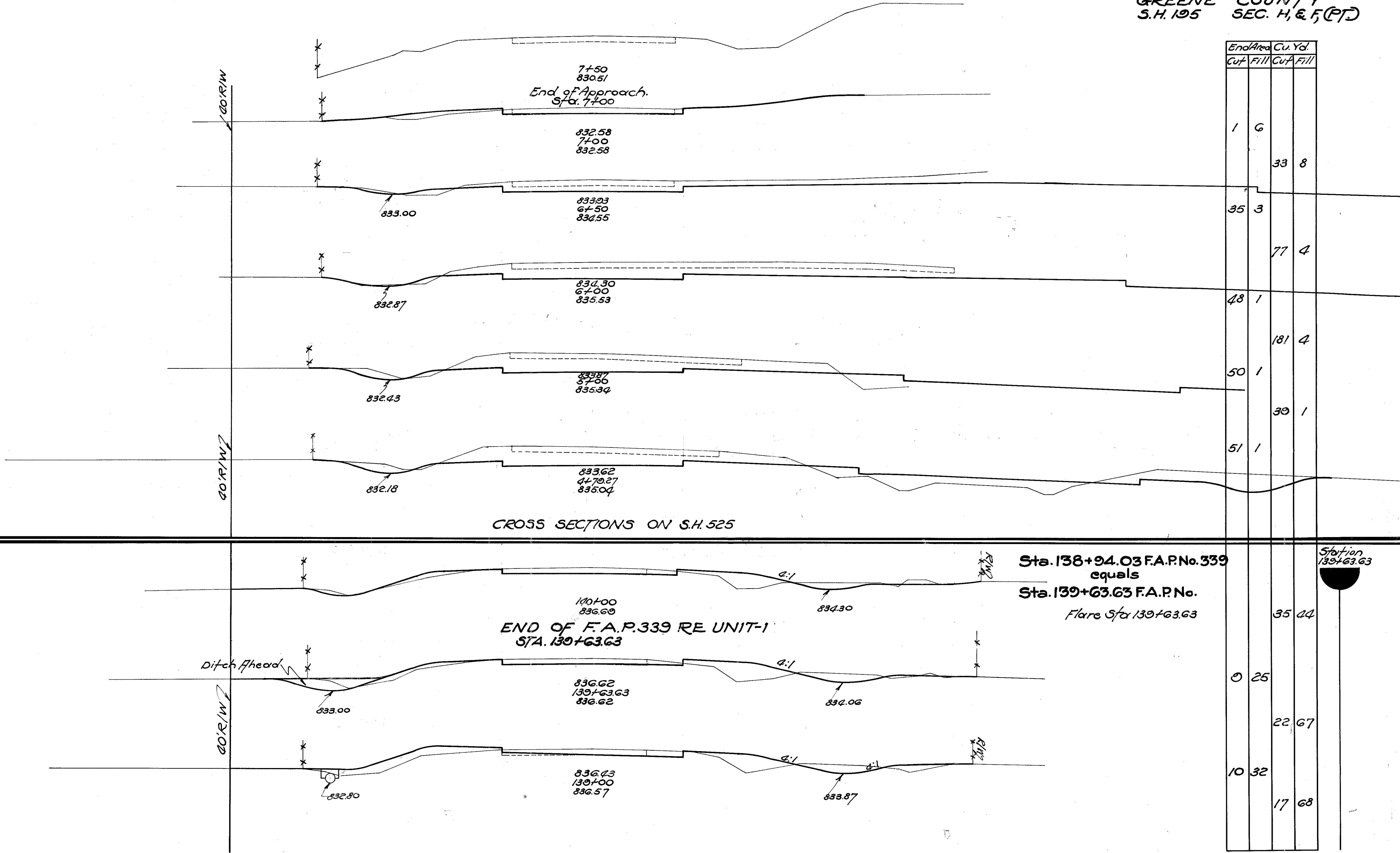
Plotted By: E.H.G.
Templates Plotted: E.H.G.
Templates Ck'd: A.H.R.
Drainage Ck'd: E.H.G.
Areas By: E.H.G.
Volumes By: E.H.G.
Volumes Ck'd: A.H.R.
Balance Points: E.H.G. & A.H.R.



STA 135+00 TO STA 138+50

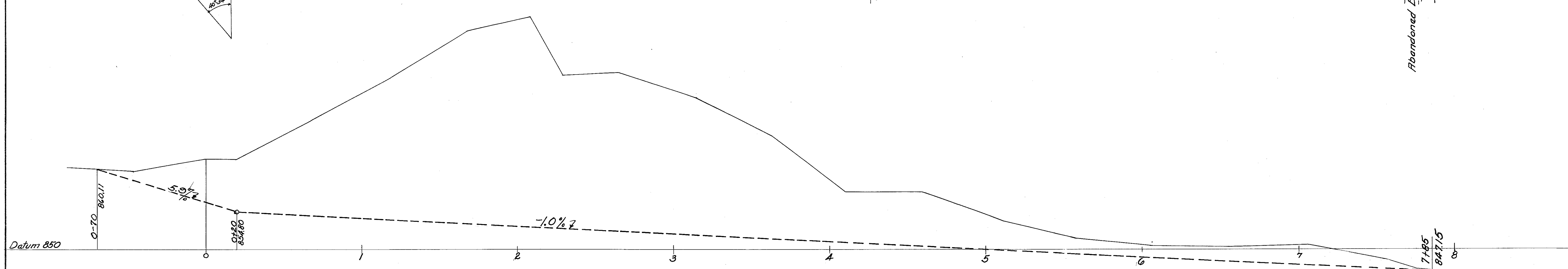
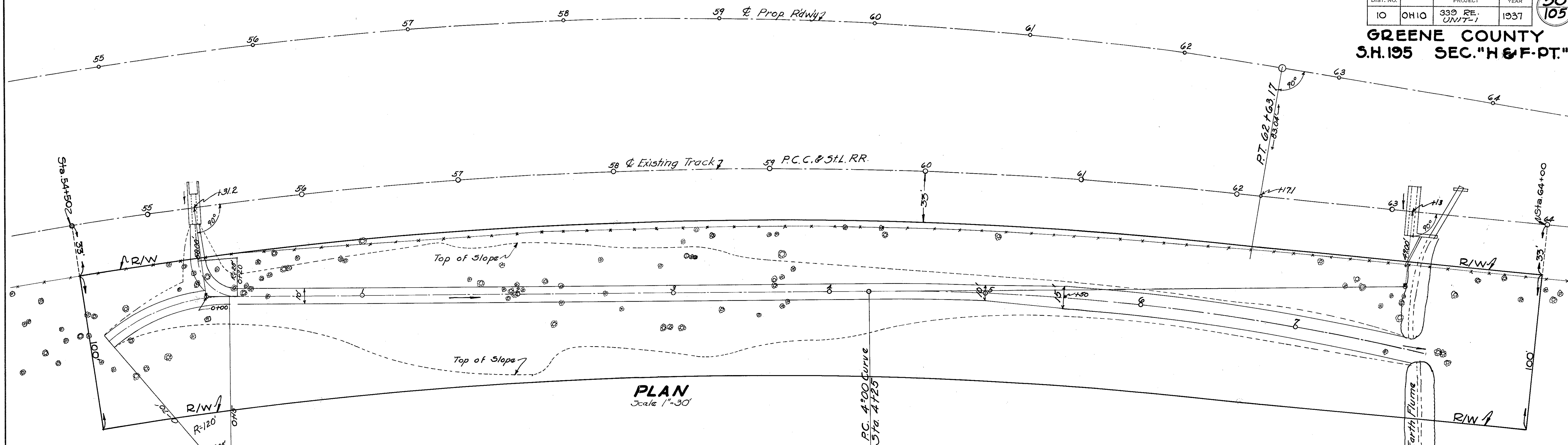
End Area		Cu. Yd.	
Cut	Fill	Cut	Fill
1	6		
		33	8
35	3		
		77	4
48	1		
		181	4
50	1		
		39	1
51	1		
		35	44
0	25		
		22	67
10	32		
		17	68

Plotted By: E.H.G.
Templates Plotted: E.H.G.
Template Checked: A.H.R.
Drainage Checked: E.H.G.
Areas By: E.H.G.
Volumes By: E.H.G.
Volume Checked: A.H.R.
Balance Points: E.H.G. A.H.R.



STA 139+00 TO 139+63.63

GREENE COUNTY
S.H. 195 SEC. "H & F-PT."



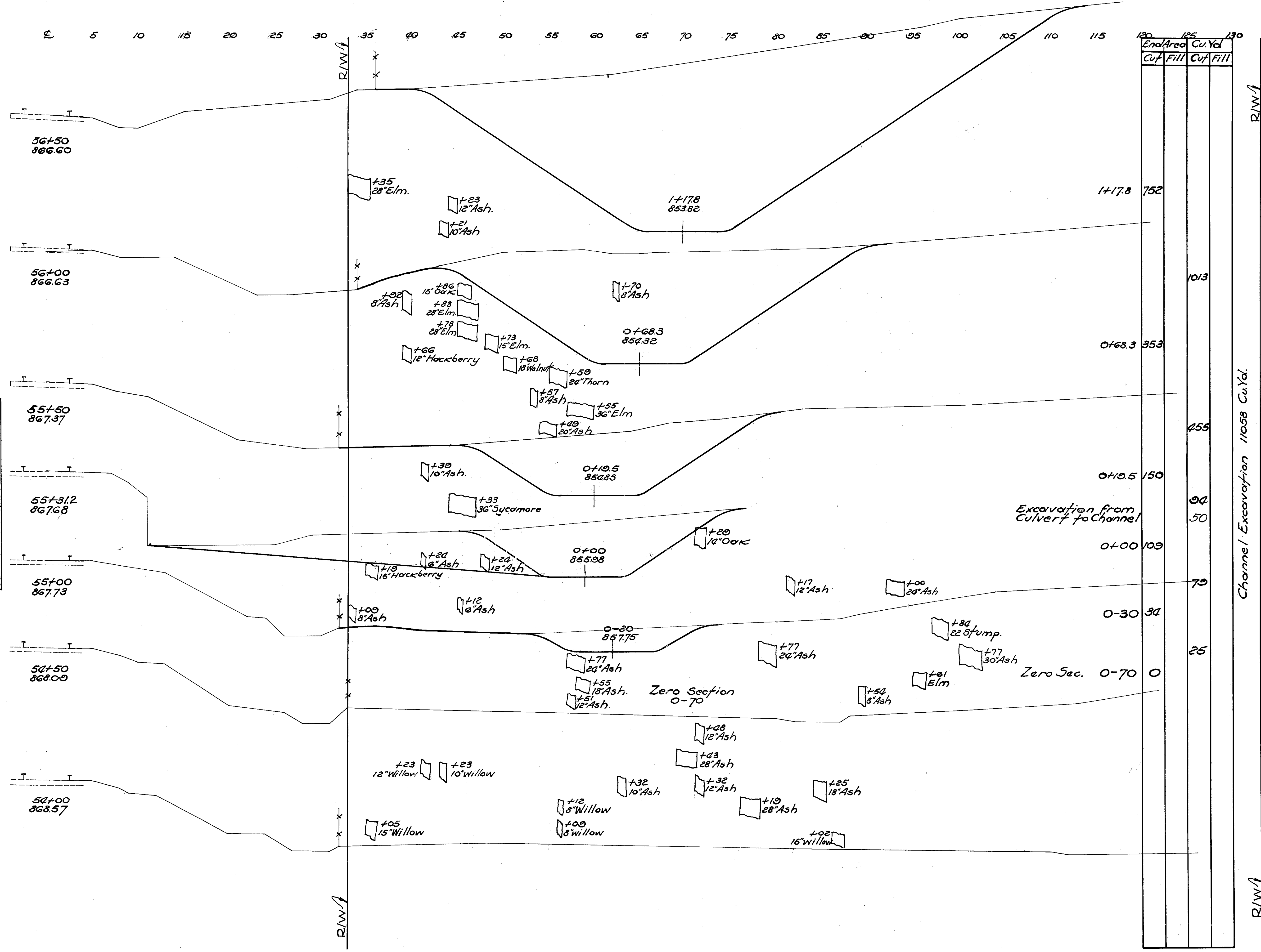
ESTIMATED QUANTITIES
Channel Excavation (Item E-3) 11058 Cu.Yd.

DETAILS OF PROPOSED CHANNEL
STA. 54+75± TO STA. 63+65± RT.

(FOR CROSS-SECTIONS SEE SHEETS Nos. 51 to 54)

Drawn By: E.H.G. Date: 1/18/37
Checked By: A.H.R. Date: 1/19/37
Checked By: Date:

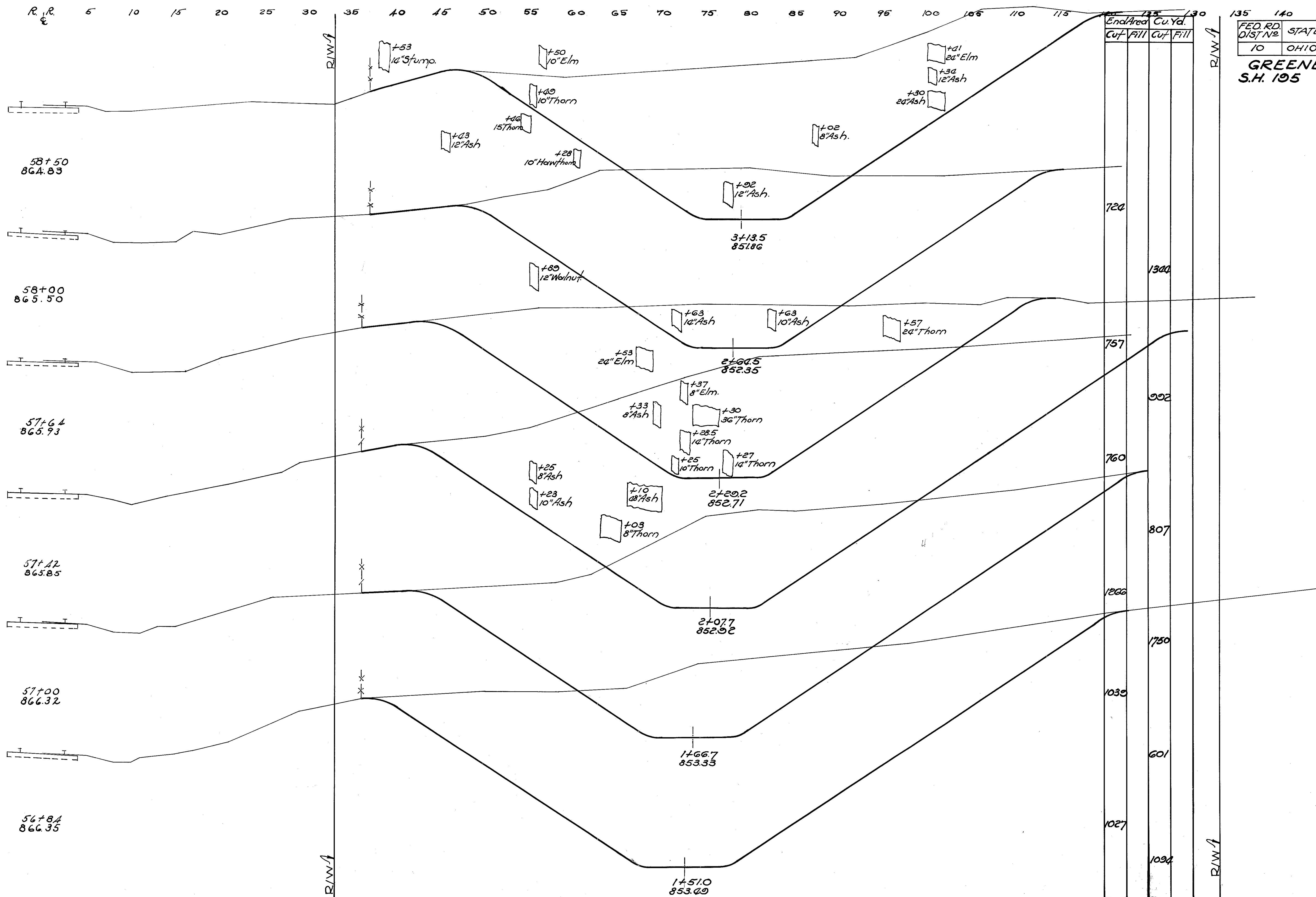
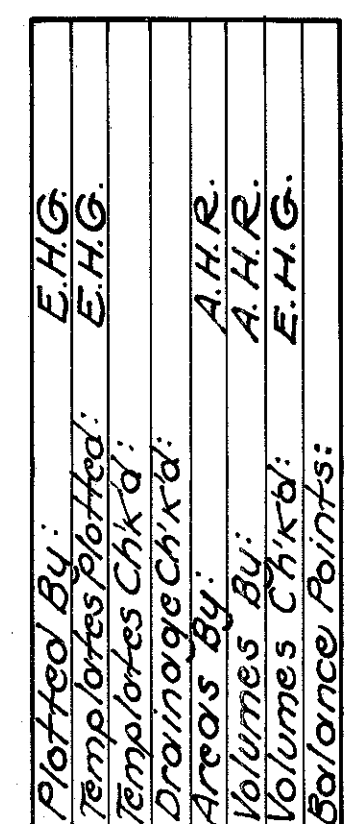
Plotted By: E.H.G.
Templates: E.H.G.
Checked: A.H.R.
Areas: A.H.R.
Volumes: E.H.G.
Balance Points:



End Area	Cu. Yd.
Cut	Fill
1+17.8	752
0+68.3	353
0+19.5	150
0+00	109
0-30	34
0-70	0

Channel Excavation 11058 Cu.Yd.

CHANNEL X SECTIONS



FED. RD. DIST. No	STATE	FED. AID PROJ.	FISCAL YEAR	
10	OHIO	335 RE. UNIT-1	1937	

GREENE COUNTY
S.H. 195 SEC. H, E, F, (PT.)

CHANNEL X SECTIONS

R.L.R. 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120

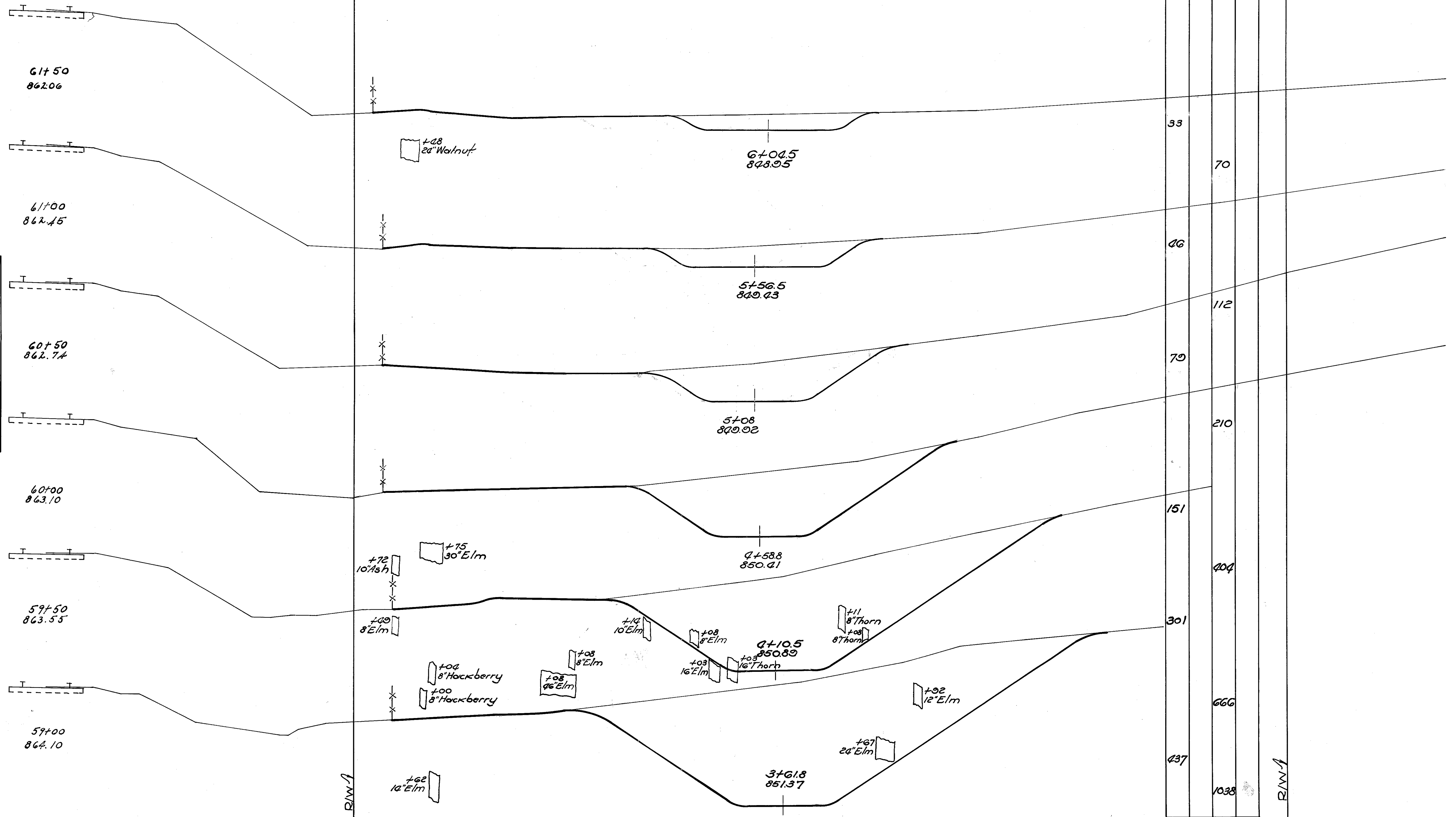
FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR
10	OHIO	338 RE. UNIT-1	1937

GREENE COUNTY.
S.H. 105 SEC. H. & F. (PT.)

53

105

Plotted By: E.H.G.
Revised By: E.H.G.
Checked By: A.H.R.
Drawn By: A.H.R.
Volumes By: A.H.R.
Volumes Chkd: E.H.G.
Balance Points:



End Sta.	Area	Cu. Yds.	Vol.
Cut	Fill	Cut	Fill
33		70	
46		112	
79		210	
151		404	
301		666	
437		1038	

CHANNEL X SECTIONS

5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125 130 135 140 145 150 155 160

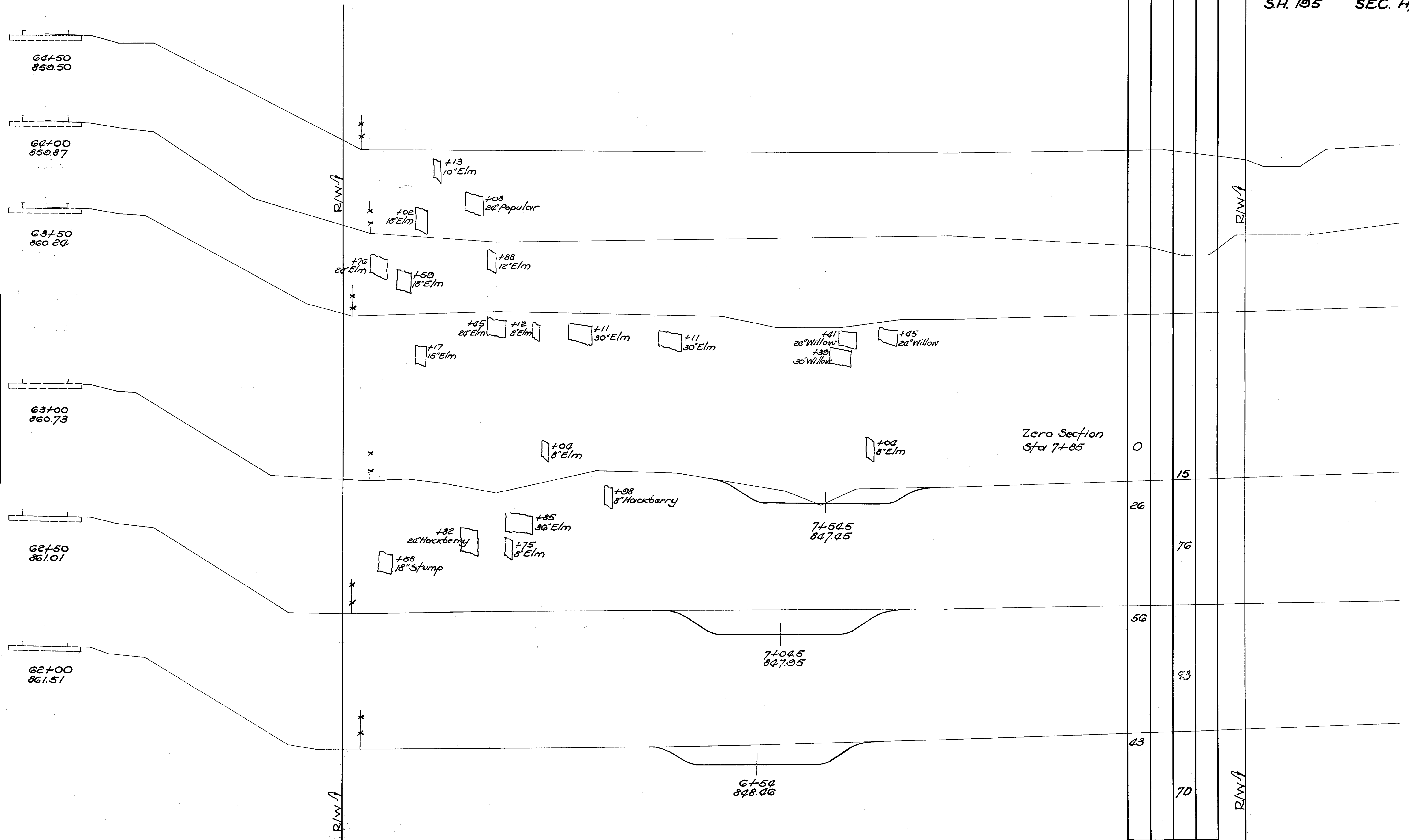
FED. RD. DIST. NO.	STATE	FED. AID PROJ.	FISCAL YEAR
10	OHIO	335 RE. UNIT-1	1937

GREENE COUNTY
S.H. 105 SEC. H, & F, (PT)

54

105

Plotted By: E.H.G.
Templates Checked: E.H.G.
Drainage Checked: A.H.R.
Areas By: A.H.R.
Volumes By: E.H.G.
Volume Checked: E.H.G.
Balance Books:



End Area	Cu. Yds
Cut/Fill	Cut/Fill
0	15
26	76
56	93
43	70

CHANNEL X SECTIONS

SUPERELEVATION TABLES

GREENE COUNTY
S.H. 195 SEC H&F(PT)

PC=11+24.03
PT=19+54.07
Δ=16°-36' Lt
D=2°-00'

Profile Elev. Lt	Width	Station	E Grade	Width	Elev. Rt
Edge	Edge			Edge	Edge
906.04	905.76	18.50	9+22.03	906.04	905.76
906.04	905.76		+25	906.04	905.76
906.10	905.82		+50	906.10	905.82
906.14	905.86		+75	906.14	905.86
906.14	905.86		10+00	906.14	905.86
906.12	905.84		+24.03	906.12	905.84
906.11	905.83		+25	906.11	905.83
906.04	905.76		+50	906.04	905.76
905.93	905.65		+75	905.93	905.65
905.78	905.50		11+00	905.78	905.50
905.61	905.33		+24.03	905.61	905.33
905.60	905.32		+25	905.60	905.32
905.58	905.30		+50	905.58	905.30
905.12	904.84		+75	905.12	904.84
904.82	904.54		12+00	904.82	904.54
904.48	904.20		+25	904.48	904.20
904.11	903.83		+50	904.11	903.83
903.70	903.42		+75	903.70	903.42
903.25	902.97		13+00	903.25	902.97
902.77	902.49		+25	902.77	902.49
902.25	901.97		+50	902.25	901.97
901.70	901.42		+75	901.70	901.42
901.16	900.88		14+00	901.16	900.88
900.63	900.35		+25	900.63	900.35
900.13	900.85		+50	900.13	900.85
899.66	899.38		+75	899.66	899.38
899.21	898.93		15+00	899.21	898.93
898.78	898.50		+25	898.78	898.50
898.38	898.10		+50	898.38	898.10
898.01	897.73		+75	898.01	897.73
897.67	897.39		16+00	897.67	897.39
897.35	897.07		+25	897.35	897.07
897.07	896.79		18.50	897.07	896.79

From Sta. 16+49.72 to Sta. 18+50
See Sheet No. 59 For Pavt Grades

PC=19+58.30
PT=25+84.55
Δ=8°-21' Lt
D=1°-20'

Profile Elev. Lt	Width	Station	E Grade	Width	Elev. Rt
Edge	Edge			Edge	Edge
823.23	823.13	10.0'	118+58.30	823.23	823.13
823.32	823.22		+75	823.32	823.22
823.46	823.36		119+00	823.46	823.36
823.51	823.41		+08.30	823.51	823.41
823.61	823.51		+25	823.61	823.51
823.76	823.66		+50	823.76	823.66
823.81	823.71		+58.30	823.81	823.71
823.91	823.81		+75	823.91	823.81
824.06	823.96		120+00	824.06	823.96
824.21	824.11		+25	824.21	824.11
824.36	824.26		+50	824.36	824.26
824.51	824.41		+75	824.51	824.41
824.66	824.56		121+00	824.66	824.56
824.81	824.71		+25	824.81	824.71
824.96	824.86		+50	824.96	824.86
825.11	825.01		+75	825.11	825.01
825.26	825.16		122+00	825.26	825.16
825.41	825.31		+25	825.41	825.31
825.56	825.46		+50	825.56	825.46
825.71	825.61		+75	825.71	825.61
825.86	825.76		123+00	825.86	825.76
825.97	825.87		+18.90	825.97	825.87

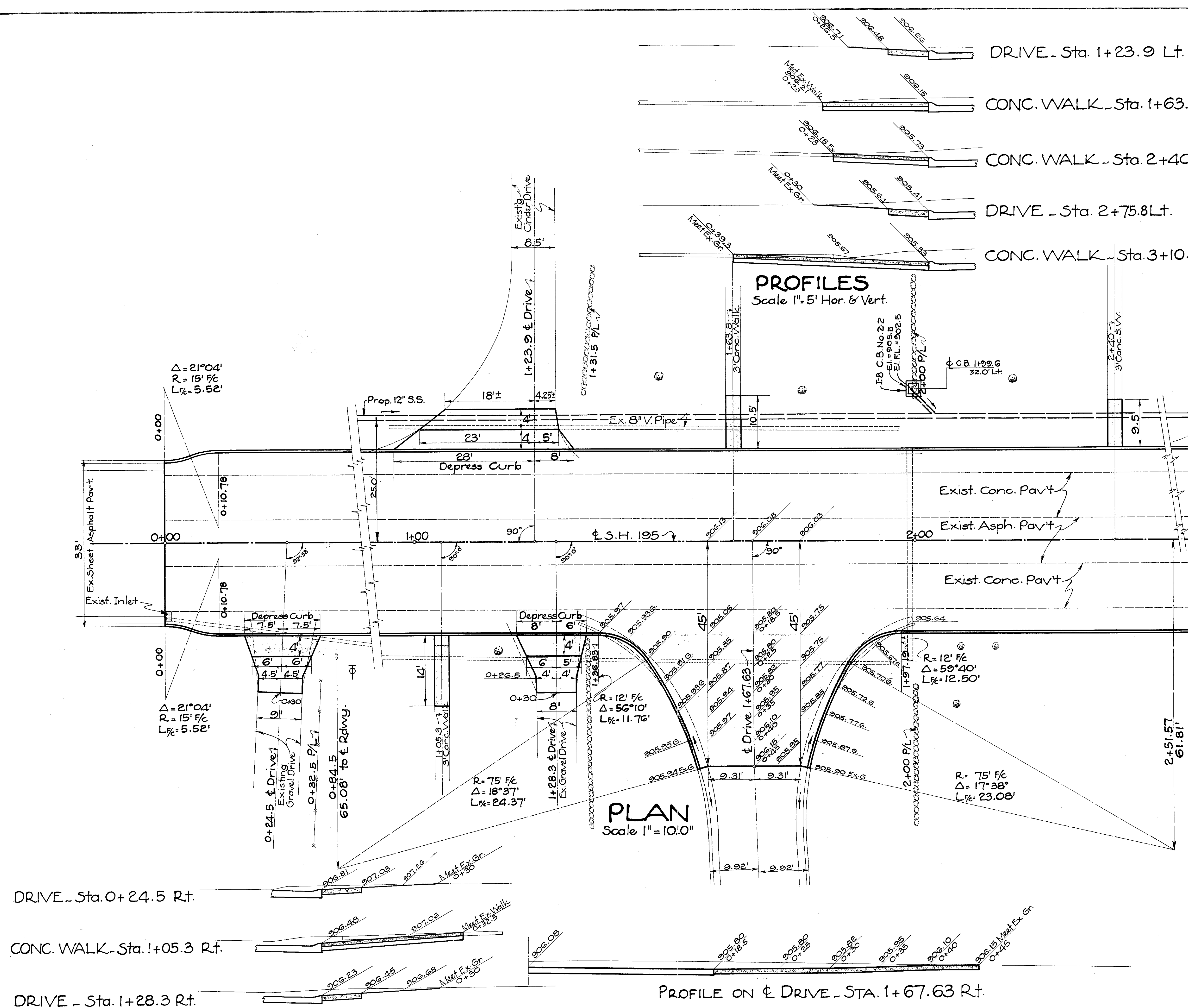
Bridge No. GR 68-132
124+50.01

Profile Elev. Lt	Width	Station	E Grade	Width	Elev. Rt
Edge	Edge			Edge	Edge
826.76	826.66	10.0'	124+50.01	826.76	826.66
826.91	826.81		+75	826.91	826.81
827.06	826.96		125+00	827.06	826.96
827.21	827.11		+25	827.21	827.11
827.36	827.26		+33.85	827.36	827.26
827.51	827.41		+50	827.51	827.41
827.66	827.56		+75	827.66	827.56
827.81	827.71		+84.55	827.81	827.71
827.96	827.86		126+00	827.96	827.86
828.11	828.01		+25	828.11	828.01
828.26	828.16		+33.85	828.26	828.16

PC=26+37.32
PT=40+75.65
Δ=14°-23' Rt
D=1°-00'

Profile Elev. Lt	Width	Station	E Grade	Width	Elev. Rt
Edge	Edge			Edge	Edge
892.56	892.46	10.0'	24+87.32	892.56	892.46
892.50	892.41		+25	892.50	892.41
892.36	892.31		+50	892.36	892.31
892.22	892.27		+50	892.22	892.27
892.15	892.26		+62.32	892.15	892.26
892.07	892.25		+75	892.07	892.25
891.92	892.19		26+00	891.92	892.19
891.76	892.07		+25	891.76	892.07
891.60	892.01		+37.32	891.60	892.01
891.43	891.92		+50	891.43	891.92
891.26	891.75		+75	891.26	891.75
891.08	891.58		27+00	891.08	891.58
890.89	891.40		+25	890.89	891.40
890.70	891.21		+50	890.70	891.21
890.51	891.02		+75	890.51	891.02
890.32	890.83		28+00	890.32	890.83
890.13	890.64		+25	890.13	890.64
889.94	890.45		+50	889.94	890.45
889.75	890.26		+75	889.75	890.26
889.56	890.07		29+00	889.56	890.07
889.37	889.88		+25	889.37	889.88
889.18	889.69		+50	889.18	889.69
888.99	889.50		+75	888.99	889.50
888.80	889.31		30+00	888.80	889.31
888.61	889.12		+25	888.61	889.12
888.42	888.93		+50	888.42	888.93
888.23	888.74		+75	888.23	888.74
888.04	888.55		31+00	888.04	888.55
887.85	888.36		+25	887.85	888.36
887.66	888.17		+50	887.66	888.17
887.47	887.98		+75	887.47	887.98
887.28	887.79		32+00	887.28	887.79
887.09	887.60		+25	887.09	887.60
886.90	887.41		+50	886.90	887.41
886.71	887.22		+75	886.71	887.22
886.52	887.03		33+00	886.52	887.03
886.33	886.84		+25	886.33	886.84
886.14	886.65		+50	886.14	886.65
885.95	886.46		+75	885.95	886.46
885.76	886.27		34+00	885.76	886.27
885.57	886.08		+25	885.57	886.08
885.38	885.89		+50	885.38	885.89
885.19	885.70		+75	885.19	885.70
885.00	885.51		35+00	885.00	885.51
884.81	885.32		+25	884.81	885.32
884.62	885.13		+50	884.62	885.13
884.43	884.94		+75	884.43	884.94
884.24	884.75		36+00	884.24	884.75
884.05	884.56		+25	884.05	884.56
883.86	884.37		+50	883.86	884.37
883.67	884.18		+75	883.67	884.18
883.48	883.99		37+00	883.48	883.99
883.29	883.80		+25	883.29	883.80
883.10	883.61		+50	883.10	883.61
882.91	883.42		+75	882.91	883.42
882.72	883.23		38+00	882.72	883.23
882.53	883.04		+25	882.53	883.04
882.34	882.85		+50	882.34	882.85
882.15	882.66		+75	882.15	882.66
881.96	882.47		39+00	881.96	882.47
881.77	882.28		+25	881.77	882.28
881.58	882.09		+50	881.58	882.09
881.39	881.90		+75	881.39	881.90
881.20	881.71		40+00	881.20	881.71
881.01	881.52		+25	881.01	881.52
880.82	881.33		+50	880.82	881.33
880.63	881.14		+75	880.63	881.14
880.44	880.95		41+00	880.44	880.95
880.25	880.76		+25	880.25	880.76
880.06	880.57		+50	880.06	880.57
879.87	880.38		+75	879.87	880.38
879.68	880.19		42+00	879.68	880.19
879.49	880.00		+25	879.49	880.00
879.30	879.81		+50	879.30	879.81
879.11	879.62		+75	879.11	879.62
878.92	879.43		43+00	878.92	879.43
878.73	879.24		+25	878.73	879.24
878.54	879.05		+50	878.54	879.05
878.35	878.86		+75	878.35	878.86
878.16	878.67		44+00	878.16	878.67
877.97	878.48		+25	877.97	878.48
877.78	878.29		+50	877.78	878.29
877.59	878.10		+75	877.59	878.10
877.40	877.91		45+00	877.40	877.91
877.21	877.72		+25	877.21	877.72
877.02	877.53		+50	877.02	877.53
876.83	877.34		+75	876.83	877.34

Drawn By: EHG Date 12-10-36
Checked By: QTM Date 12-11-36



PROFILES
Scale 1"=5' Hor. & Vert.

ESTIMATED QUANTITIES

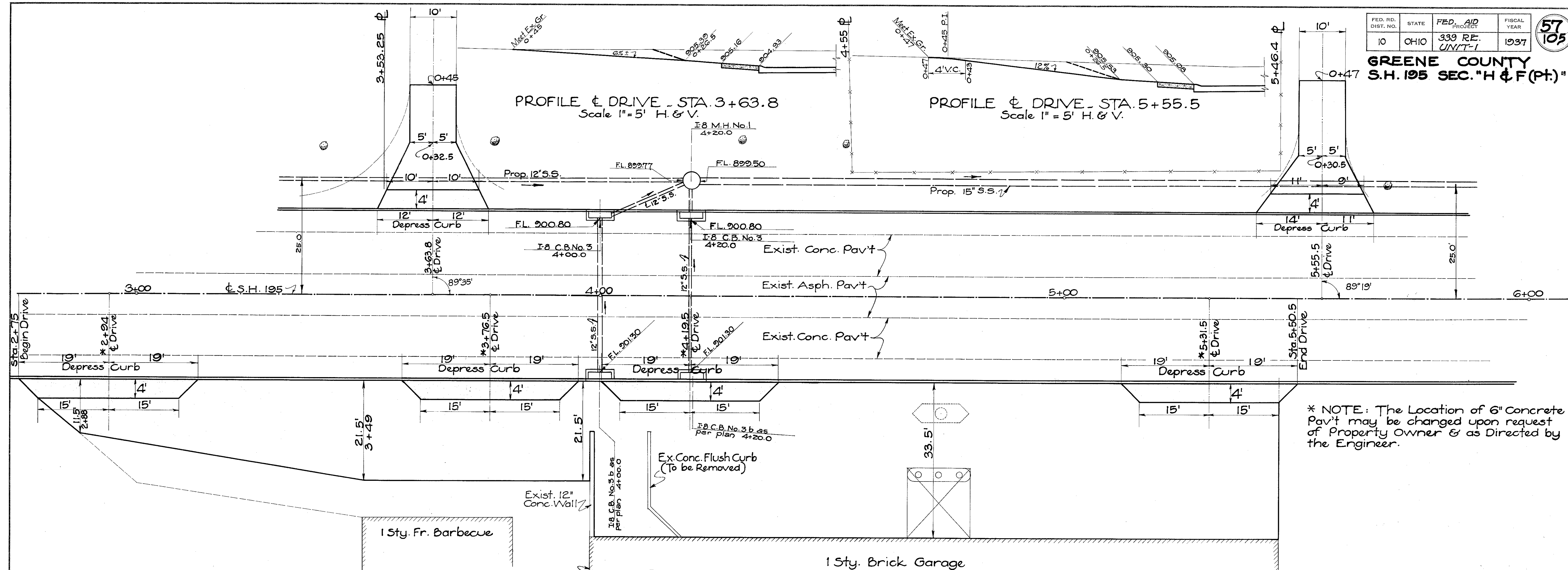
Stations	7" Reinf. Conc. Pav't (Deduct Item T-71) Sq. Yd.	6" Conc. Pav't Item T-70 Sq. Yd.	Traffic Bound Conc. Curb Item I-17 Size #26 Cu. Yd.	Type 3-A Conc. Curb Straight (Deduct Item I-12) Lin. Ft.	Type I-A Conc. Curb Circular (Deduct Item I-12) Lin. Ft.	4" Conc. Sidewalk Item I-13 Sq. Ft.	Removal of Exist. Conc. Curb in Rdwy. & Gutter Lin. Ft.	Excavation Item E-1 (Incl. for Payment Quantities) Cu. Yd.
FLARE								
0+00 To 0+10.78 Rt. & Lt.	2.3			21.56	22.08			
PRIV. DRIVES								
0+24.5 Rt.		6	1					1
1+23.9 Lt.		14.2	1					2
1+28.3 Rt.		5.6	1					1
1+67.63 Rt.		99.6		60.36	71.71		78.00	35
2+75.8 Lt.		8.6	1					2
WALKS								
*1+05.3 Rt.						42.0		
*1+63.8 Lt.						31.5		
2+40 Lt.						28.5		
3+10.5 Lt.						62.4		

* Note: Berms Adjacent to Walks to be Warped as Directed by the Engineer.

Drawn by: E.H.J. 12-4-36
Checked by: W.E.H. & O.T.M. 12-7-36

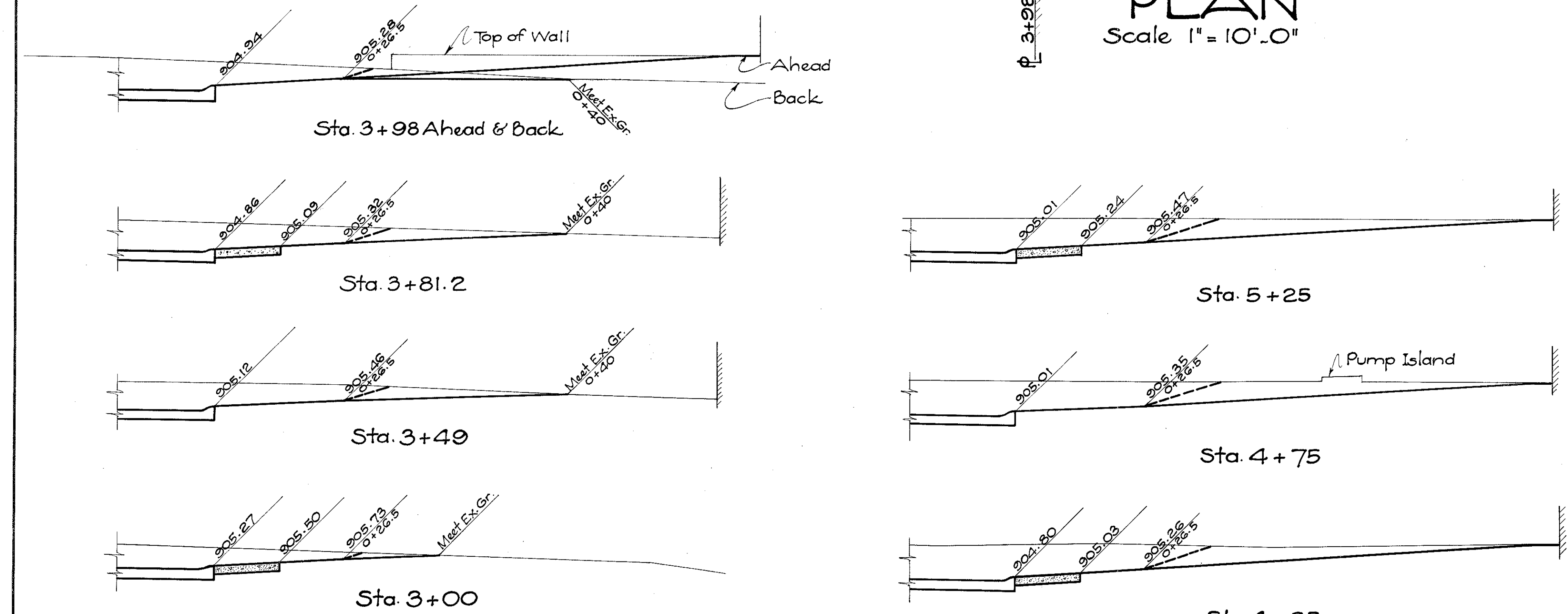
PROFILES
Scale 1"=5' Hor. & Vert.

PRIV. DRIVES & WALKS
STA. 0+24.5 To STA. 3+10.5 Incl. Rt. & Lt.



PLAN
Scale 1" = 10' .0"

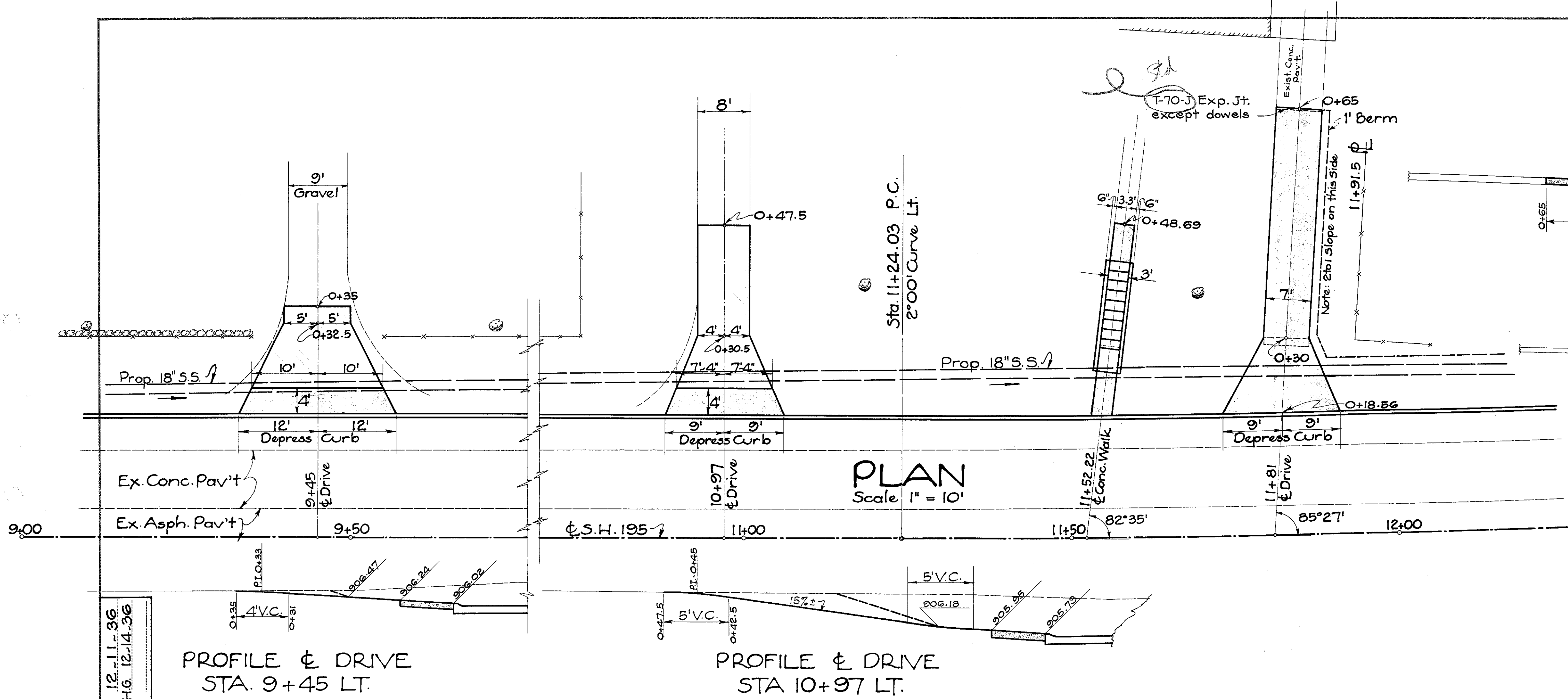
ESTIMATED		QUANTITIES		
Stations	Side	6" Plain Concrete Pavement Item T-70 Sq. Yd.	Traffic Bound Size No. 46 Item I-17 Cu. Yd.	Excavation (Included in Roadway Quantities) Item E-1 Cu. Yd.
PRIV. DRIVES				
2+75 To 5+50.5	Rt.	60.4	80	105
3+63.8	Lt.	9.8	3	7
5+55.5	Lt.	10.0	3	10



PROFILES ON DRIVE - STA. 2+75 To 5+50.5 Rt.
Scale 1" = 5' Horiz. & Vert.

Drawn By: E.H.J. 12-9-36
Checked By: V.E.H. 12-11-36

PRIV. DRIVES
STA. 2+75 To 5+55.5 (Incl.) Rt. & Lt.



PROFILE & DRIVE
STA. 11+81 LT.

PROFILE & WALK
STA. 11+52.22 LT.

ESTIMATED QUANTITIES -

Station	6" Conc. Side Pavement Item T-70	Traffic Bound Item I-17 Size N#46	4" Conc. Sidewalk Item I-13	Concrete Steps 6" Rise 18" Tread	Removal & Disposal of Exist'g 6" Conc. Pav't	Excavation (Incl. for Payment in Rdwy. Quants)	Embankment (Incl. for Payment in Rdwy. Quants)
	Sq. Yd.	Cu. Yd.	Sq. Ft.	Lin. Ft.	Sq. Yd.	Cu. Yd.	Cu. Yd.

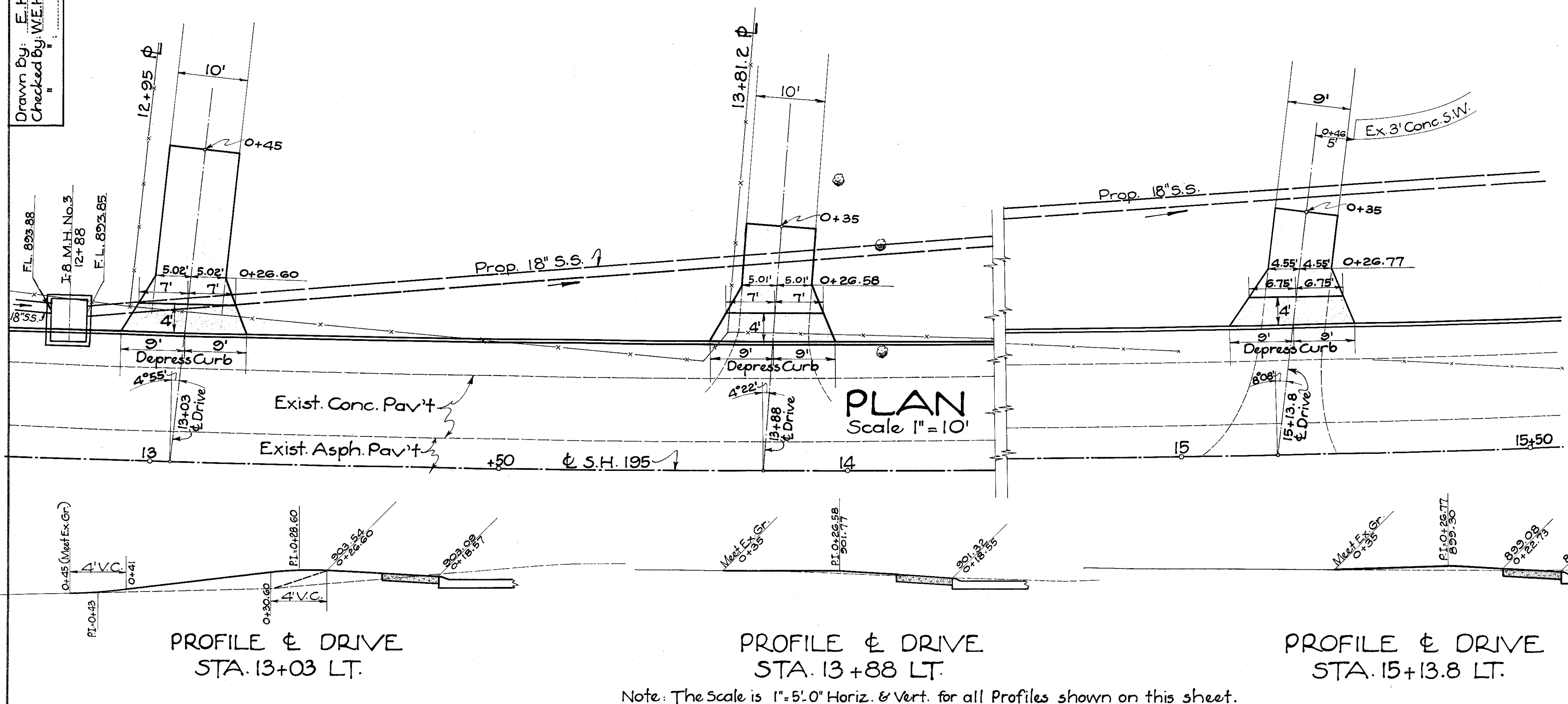
PRIV. DRIVES

9+45	Lt.	9.8	2			3	
10+97	Lt.	7.3	3			10	
11+81	Lt.	43.1			28.1	28	
13+03	Lt.	7.1	3			1	4
13+88	Lt.	7.1	2			2	
15+13.8	Lt.	7.0	2			2	1

STEPS

11+52.22	Lt.		38.6	40.0			
----------	-----	--	------	------	--	--	--

Drawn By: E.H.J. 12-11-36
Checked By: W.E.H. & E.H.G. 12-14-36



PROFILE & DRIVE
STA. 13+03 LT.

PROFILE & DRIVE
STA. 13+88 LT.

PROFILE & DRIVE
STA. 15+13.8 LT.

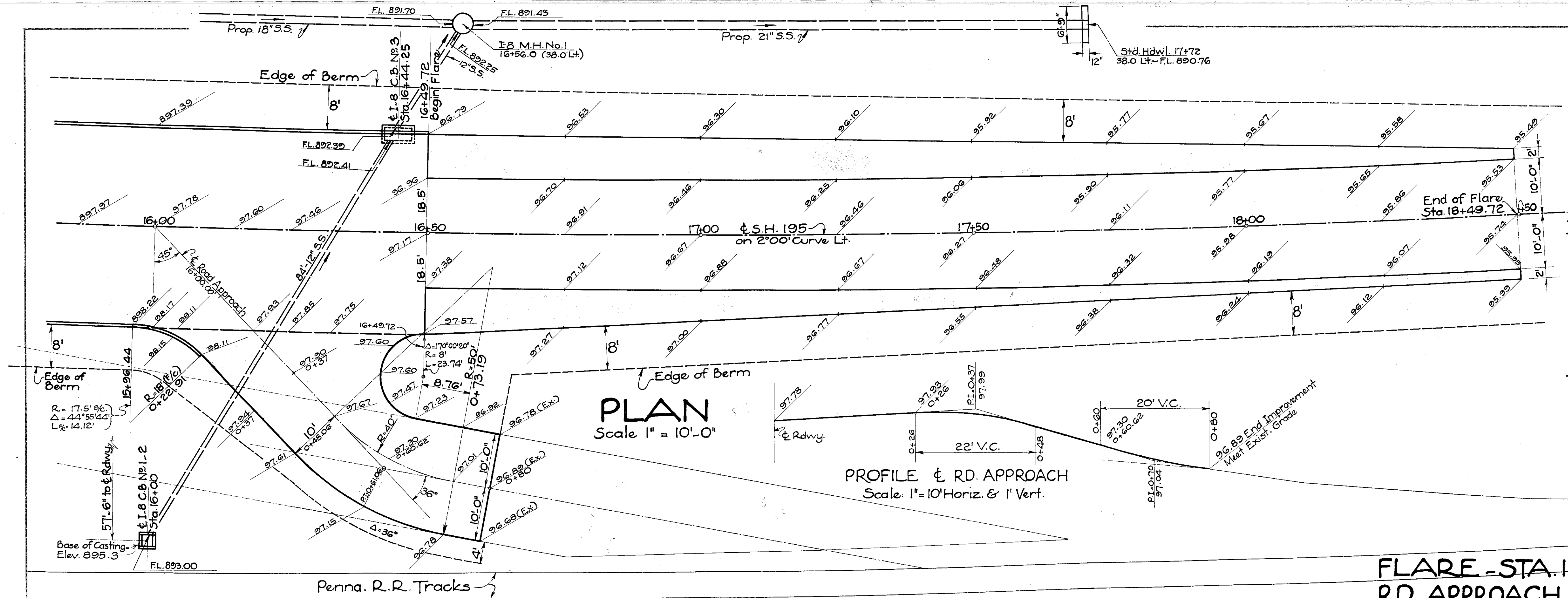
Note: The Scale is 1"=50' Horiz. & Vert. for all Profiles shown on this sheet.

PRIV. DRIVES & STEPS STA. 9+45 To 15+13.8 (Incl.) Rt. & Lt.

GREENE COUNTY
S.H. 195 SEC. "H & F (Pt.)"

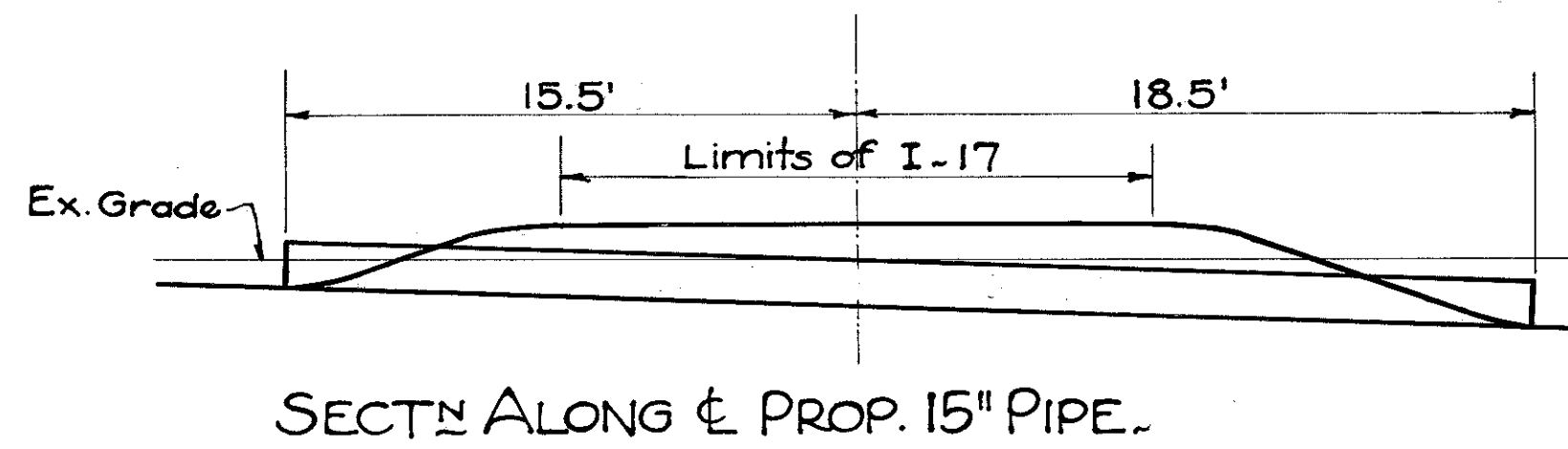
EST. QUANTITIES -
APPROACH - STA. 16+00 RT.
 Embankment (Incl. in Rdwy. Quant.) = 25. Cu. Yd.
 7" Reinf. Conc. Pav't (Item T-71) = 126.1 Sq. Yd.
 Type 3-A Conc. Curb (Deduct) (Item I-12) = 53.62 Lin. Ft.
 " 1-A " " (Circular) " " = 14.12 " "

FLARE
STA. 16+49.72 To STA. 18+49.72
 7" Reinf. Conc. Pav't (Item F-171) = 227.2 Sq. Yd.

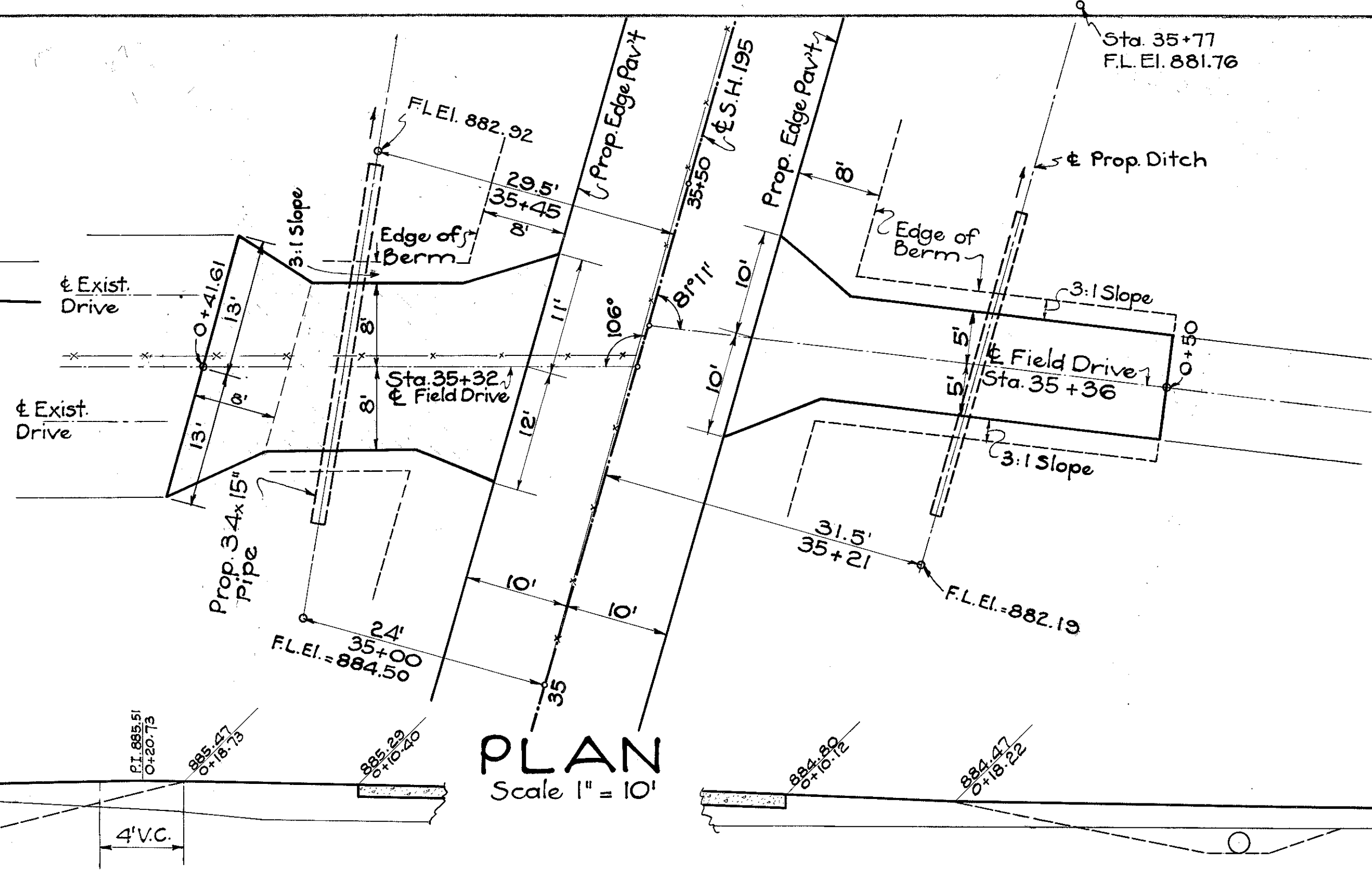


FLARE - STA. 16+49.72 To 18+49.72 Rt. & Lt.
RD. APPROACH - STA. 16+00 Rt.

Drawn By: E.H.J. 12-15-36
 Checked By: W.E.H. & J.P.M. 12-17-36

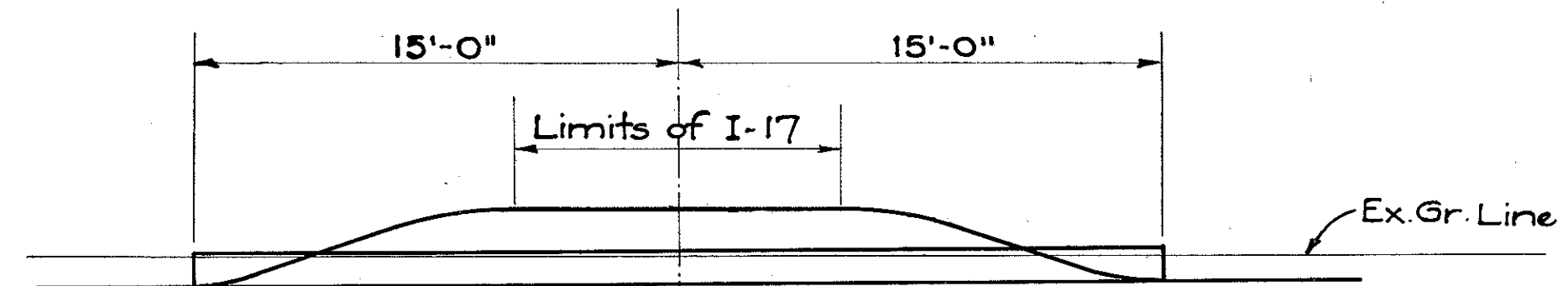


EST. QUANTITIES -
 Traffic Bound (Size No 46) (Item I-17) = 7 Cu. Yd.
 Embankment (Incl. in Rdwy. Quants.) = 12 " "
 15" Pipe (Item I-1) = 34.0 Lin. Ft.



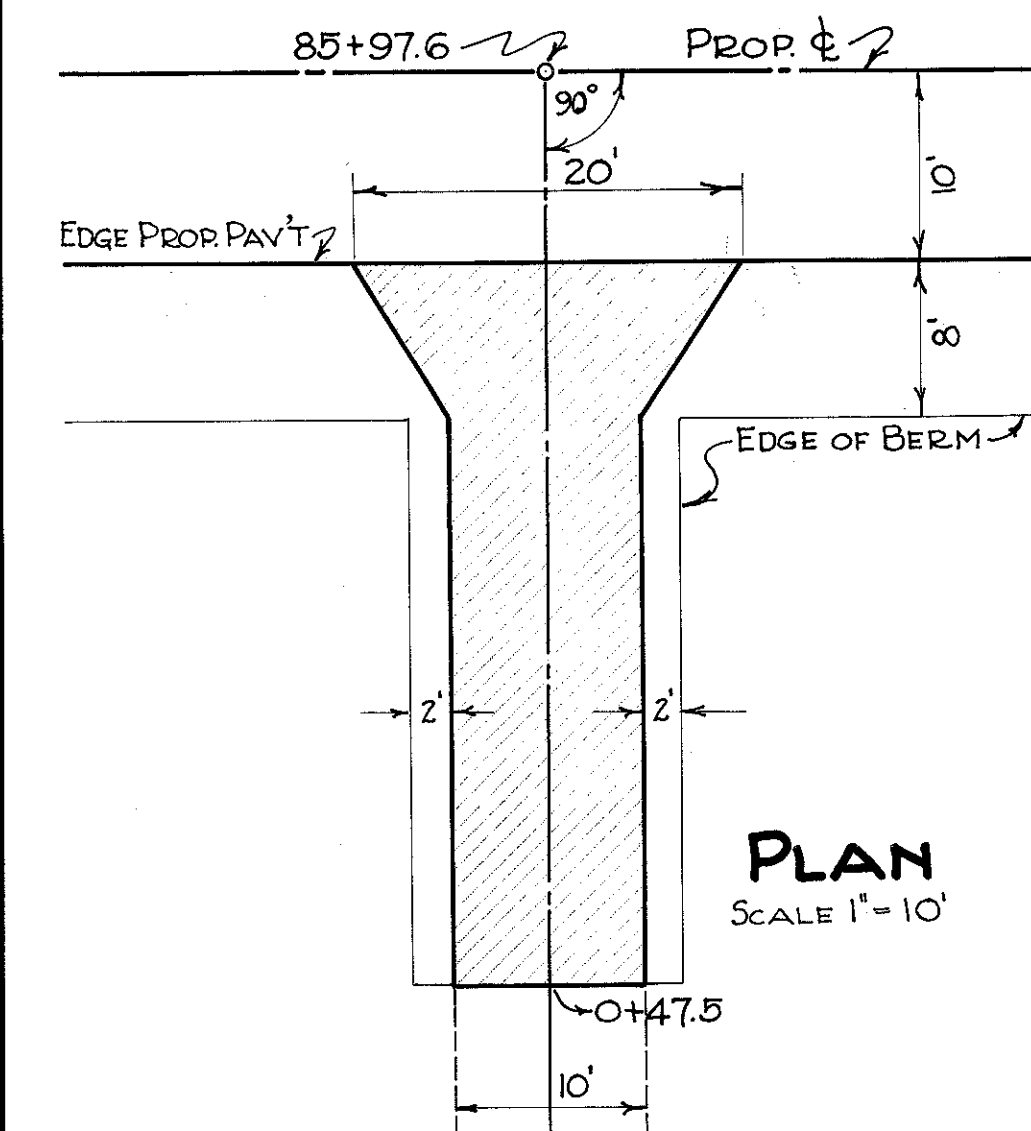
PROFILE & DRIVE
STA. 35+32 LT.

PROFILE & DRIVE
STA. 35+36 RT.

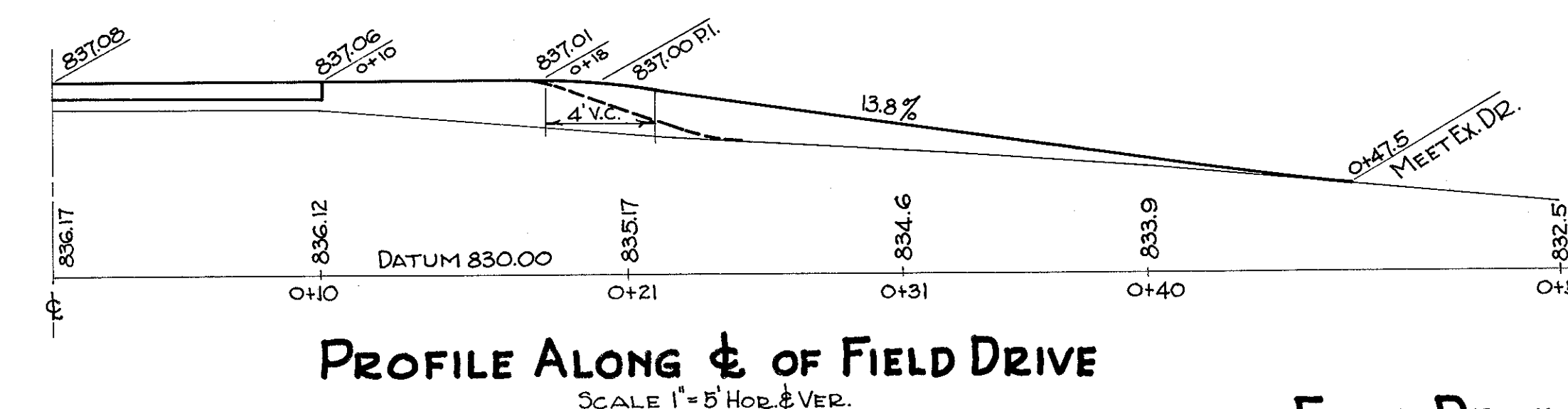


EST. QUANTITIES -
 Traffic Bound (Size No 46) (Item I-17) = 5 Cu. Yd.
 Embankment (Incl. in Rdwy. Quants.) = 17 " "
 12" Pipe (Item I-1) = 30.0 Lin. Ft.

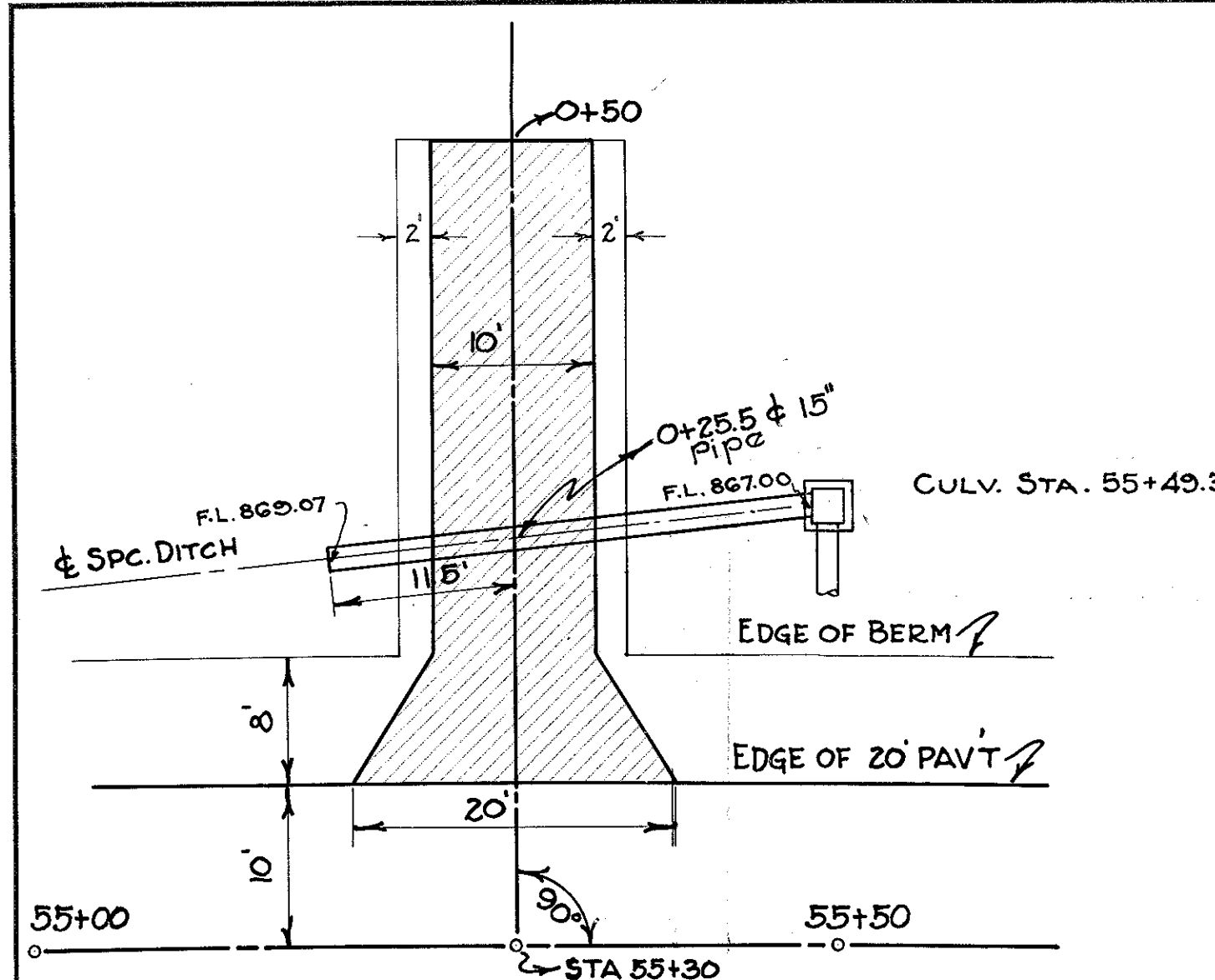
FIELD DRIVES
STA. 35+32 LT.
STA. 35+36 RT.



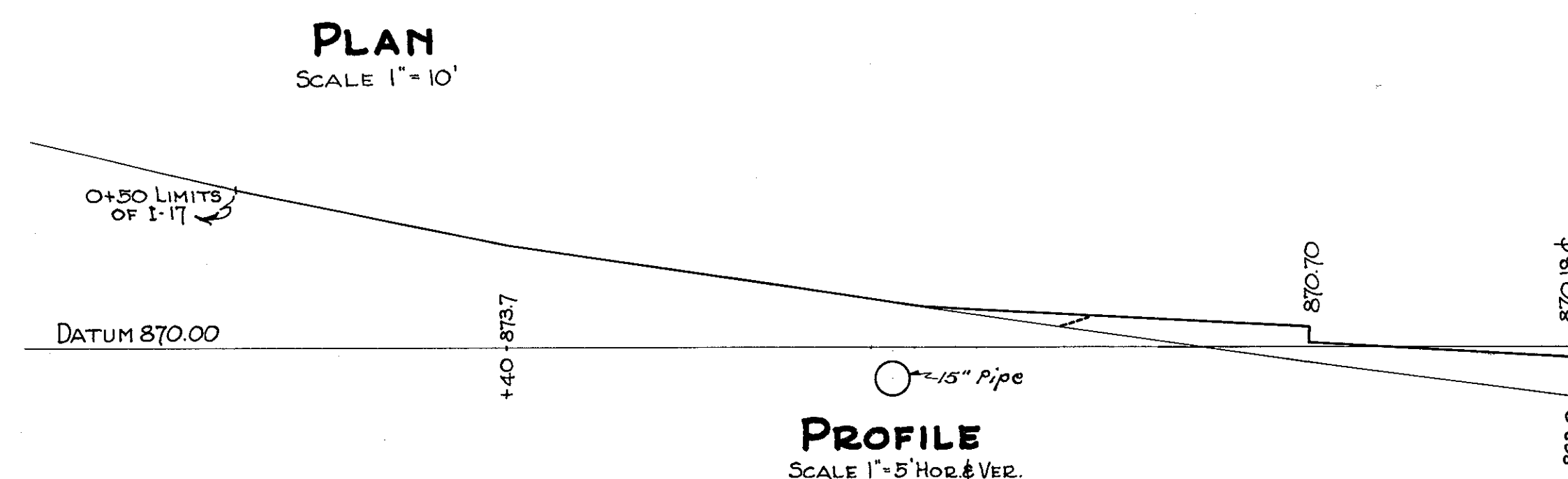
ESTIMATED QUANTITIES
TRAFFIC BOUND (ITEM I-17) SIZE N°46 — 5 Cu. Yds.
EMBK (INCL. IN RDWY QUANT.) — 14 Cu. Yds.



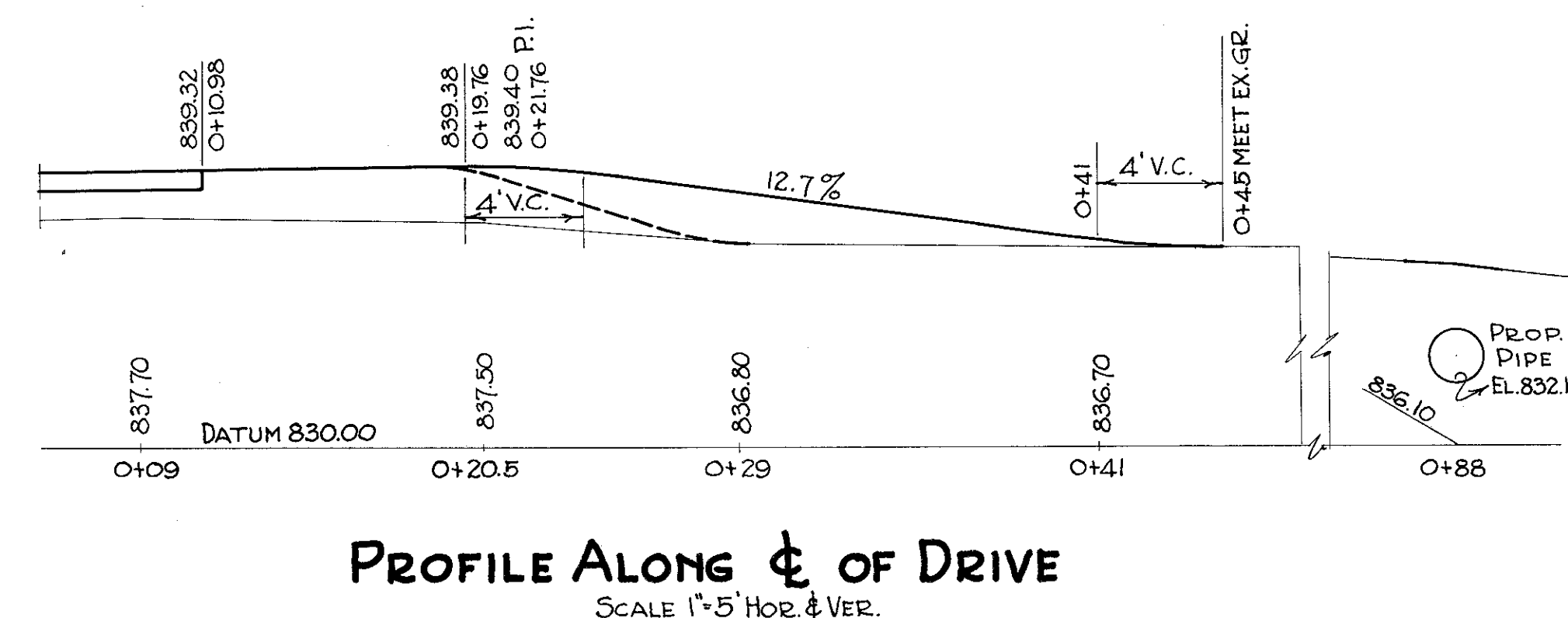
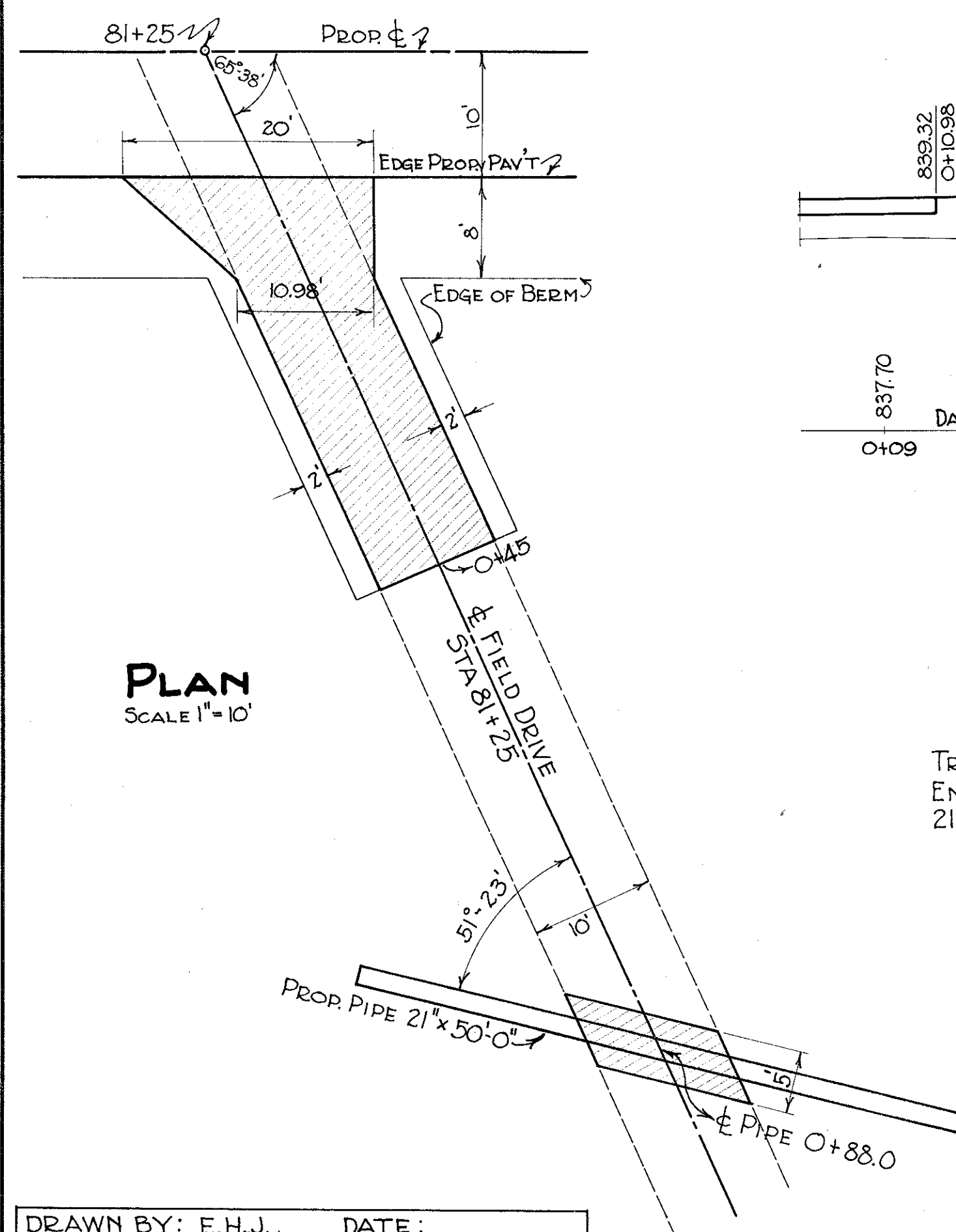
FIELD DRIVE STA. 85+97.6 RT.



ESTIMATED QUANTITIES
TRAFFIC BOUND (ITEM I-17) SIZE N°46 — 6 Cu. Yds.
15" PIPE (ITEM I-1) — 30 Lin. Ft.
EXCAVATION (INCL. IN RDWY QUANT.) — 4 Cu. Yds.
EMBANKMENT (" " ") — 2 Cu. Yds.



FIELD DRIVE STA 55+30 LT.

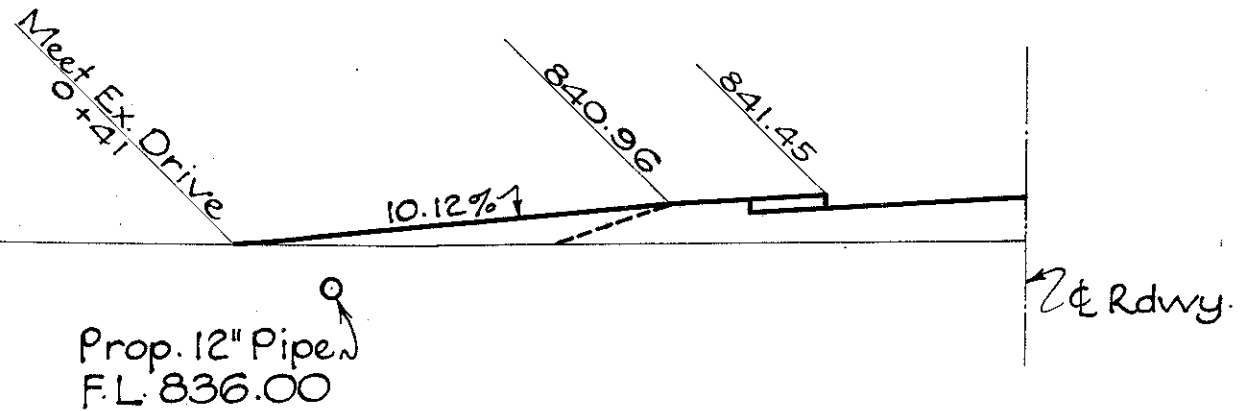


ESTIMATED QUANTITIES
TRAFFIC BOUND (ITEM I-17) SIZE N°46 — 6 Cu. Yds.
EMBANKMENT (INCL. IN RDWY QUANT.) — 14 Cu. Yds.
21" PIPE (ITEM I-1) — 50 Lin. Ft.

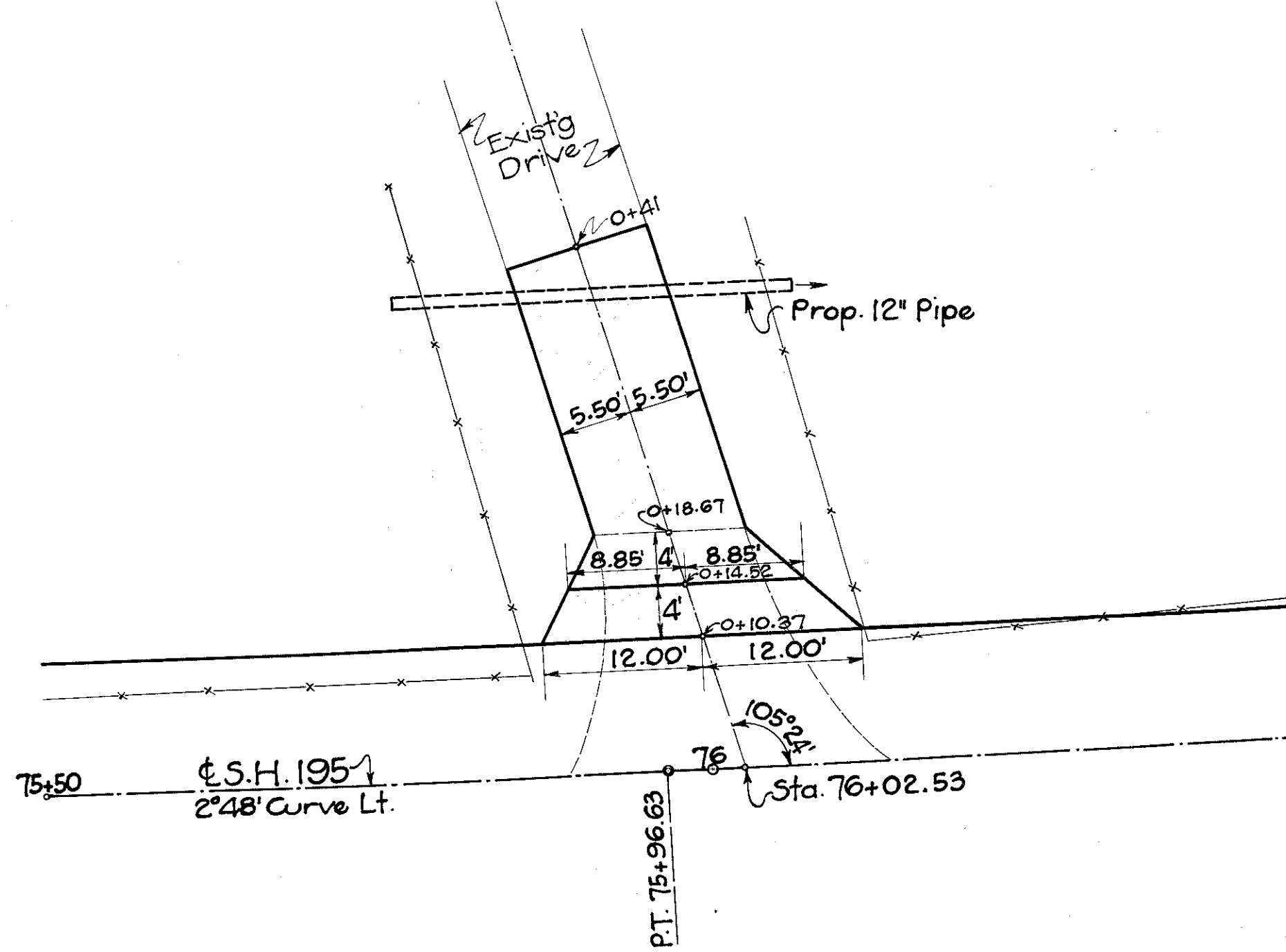
FIELD DRIVE STA. 81+25 RT.

DRAWN BY: E.H.J. DATE:
CHECKED BY: J.W.B. & J.R.M. DATE:
CHECKED BY: DATE:

GREENE COUNTY
S.H. 195 SEC." H & F (P+)"



PROFILE & DRIVE - STA. 76+02.53 LT.
Scale 1" = 10'



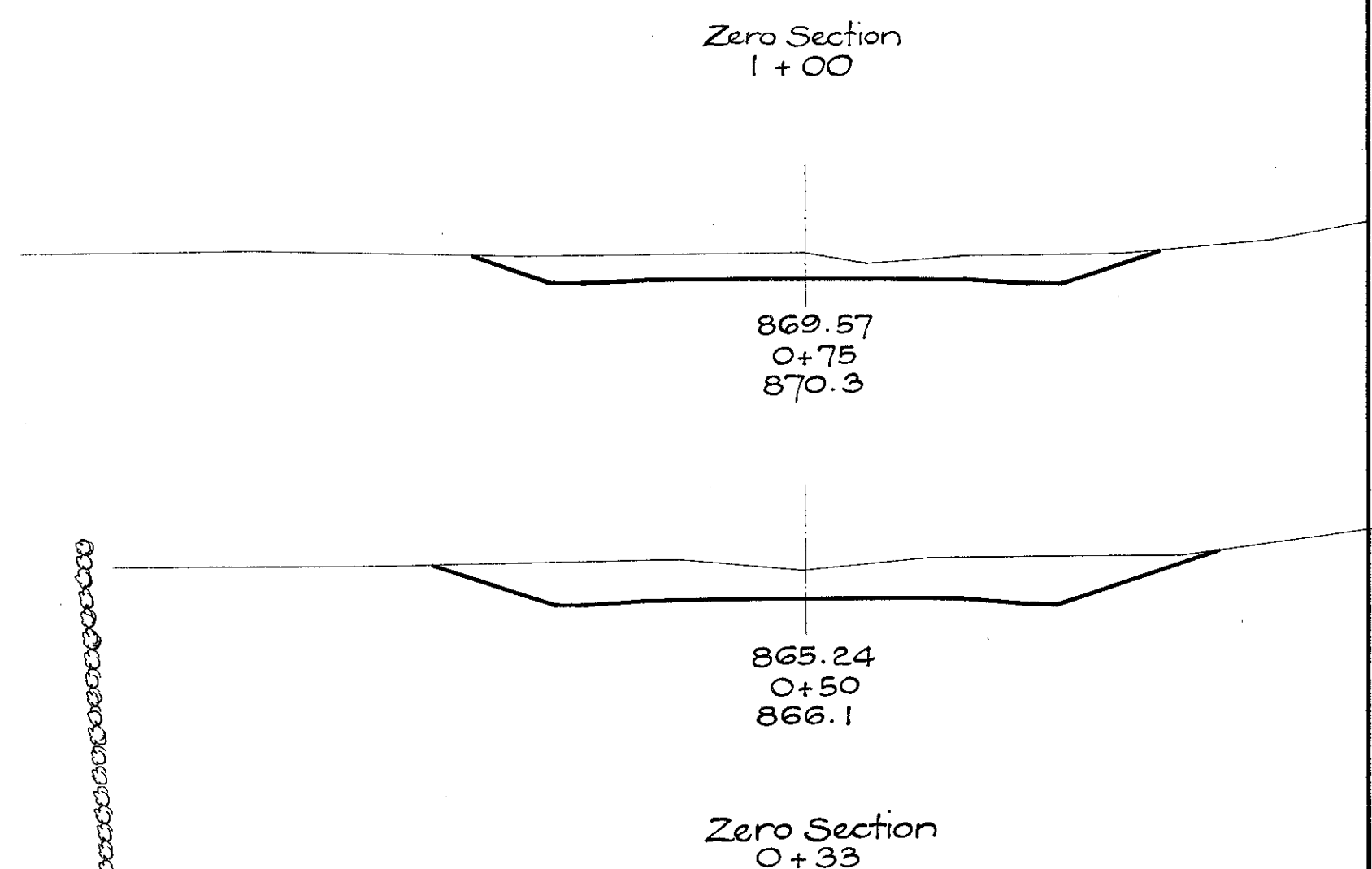
PLAN
Scale 1" = 10'.0"

EST. QUANTITIES -

STA. 76+02.53 LT.
6" Conc. Pav't (Item T-70) = 9.3 Sq. Yd.
Embankment (Incl. in Rdwy. Quant.) = 14. Cu. Yd.
Traffic Bound (Item I-17) (Size N° 46) = 4. Cu. Yd.
12" Pipe (Item I-1) = 30 Lin. Ft.

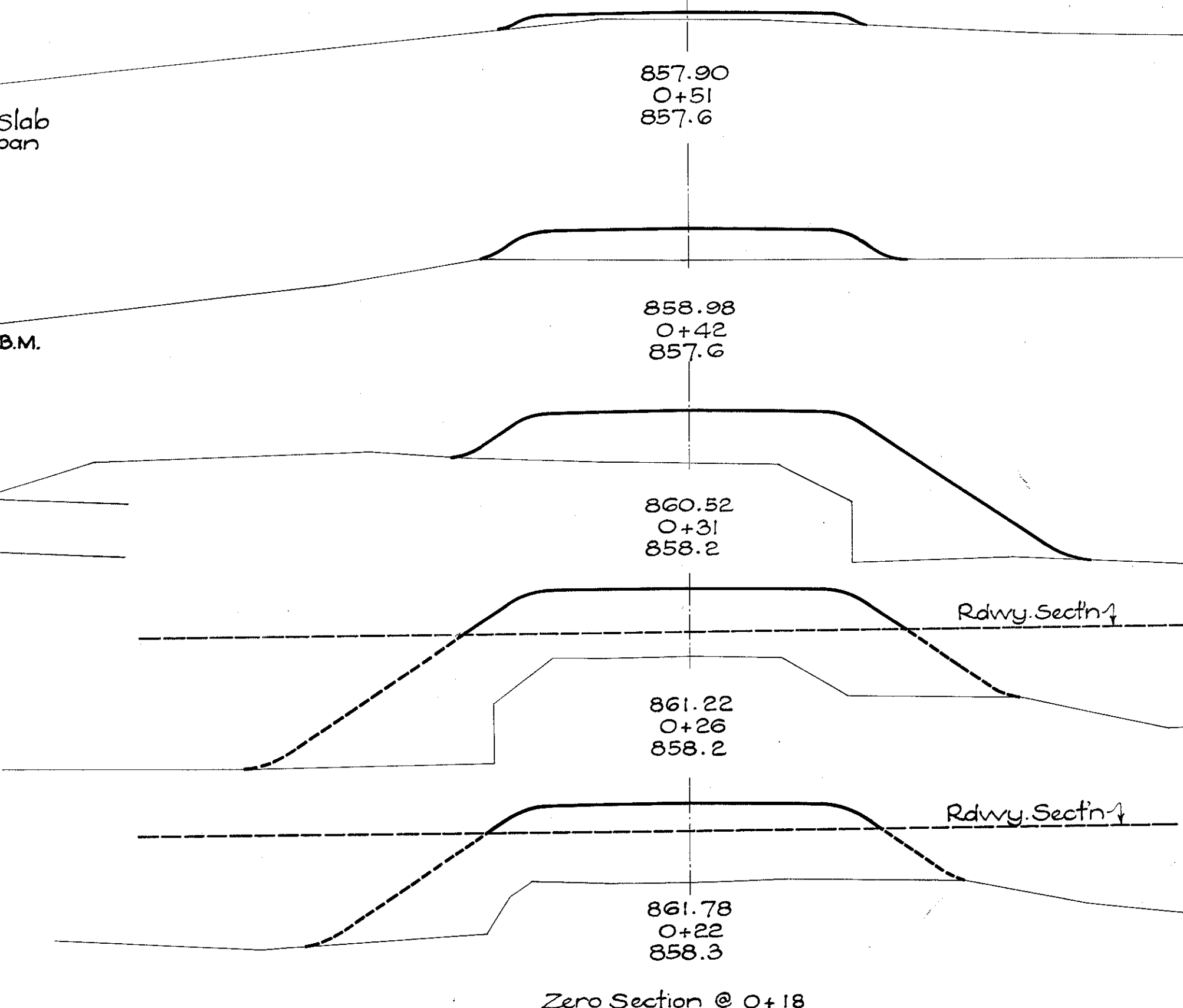
PRIV. DRIVES
STA. 67+62.68 RT. & LT.
STA. 76+02.53 LT.

CROSS SECTIONS
DRIVE - STA. 67+62.68 LT.



Excavation	
End Area	Cu. Yd.
0	7
16	20
27	9
0	
Total = 36	

CROSS SECTIONS
DRIVE - STA. 67+62.68 RT.
Zero Section @ 0+55



Embankment	
End Area	Cu. Yd.
0	1
5	4
21	18
67	9
31	4
19	1
0	
Total = 37	

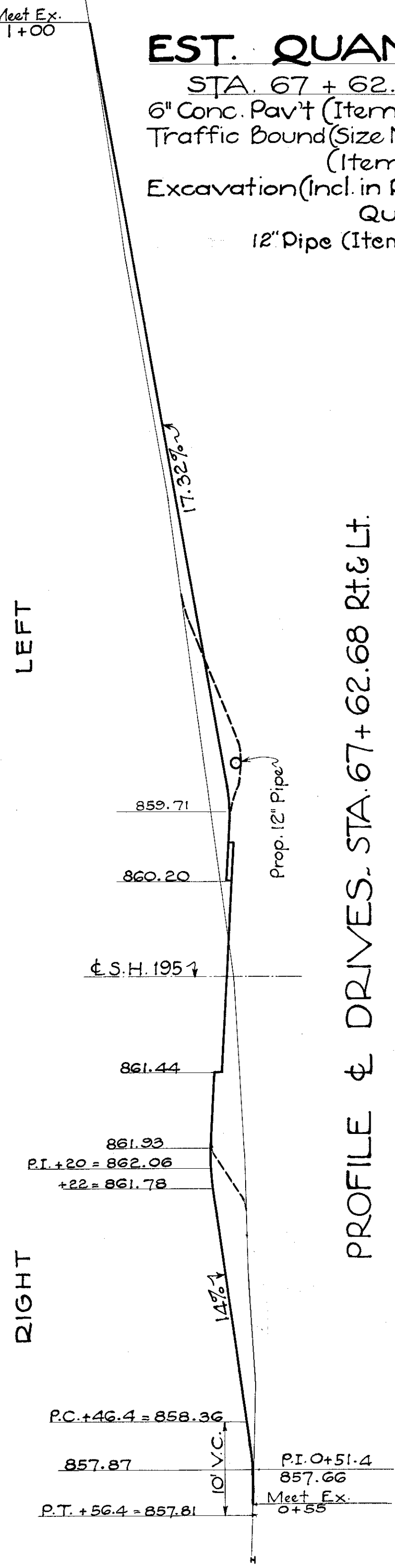
EST. QUANTITIES -

STA. 67+62.68 LT.
6" Conc. Pav't (Item T-70) = 9.1 Sq. Yd.
Traffic Bound (Size N° 46) (Item I-17) = 11. Cu. Yd.
Excavation (Incl. in Rdwy. Quant.) = 36. Cu. Yd.
12" Pipe (Item I-1) = 26 Lin. Ft.

PROFILE & DRIVES - STA. 67+62.68 RT. & LT.

LEFT

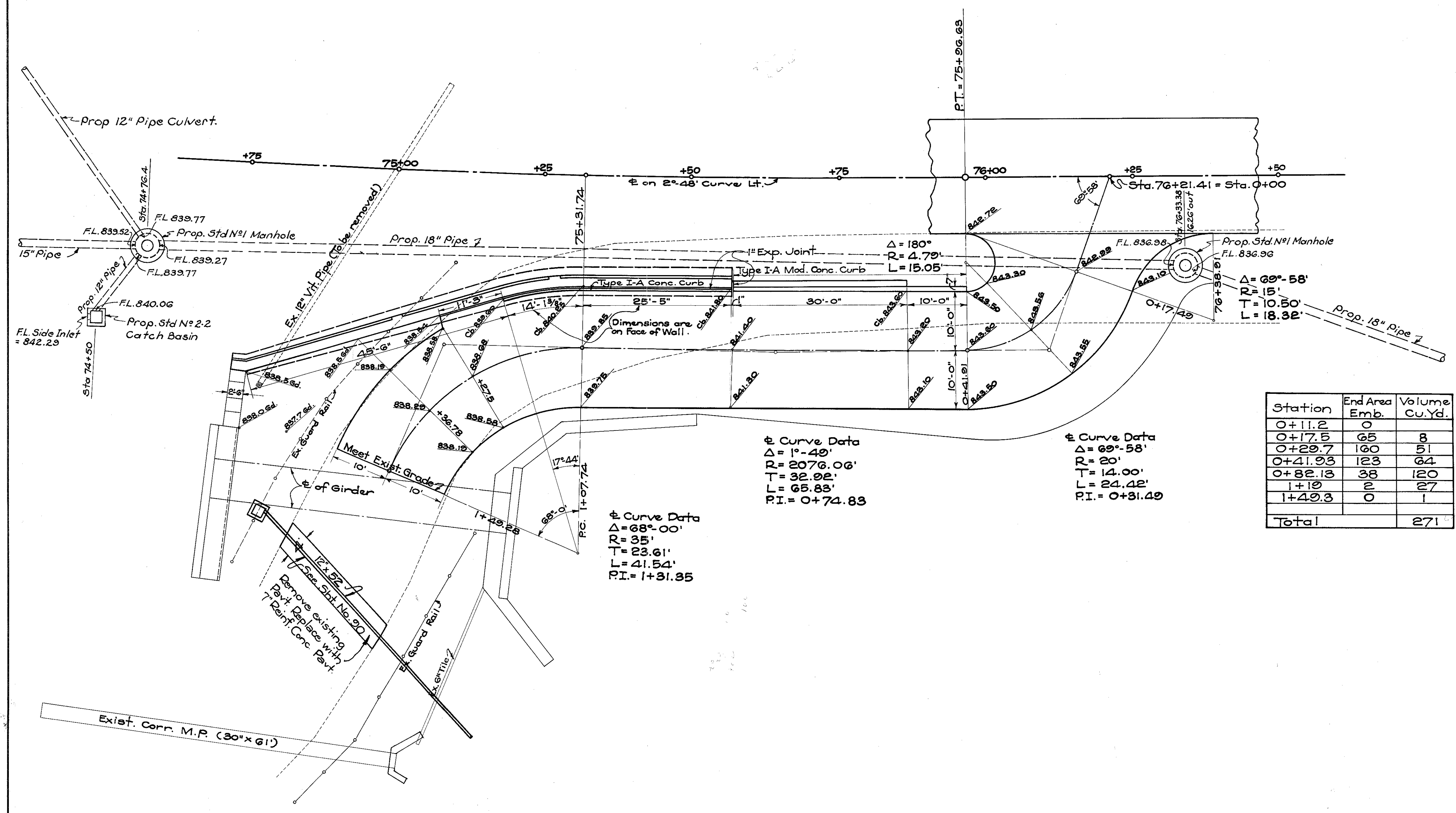
RIGHT



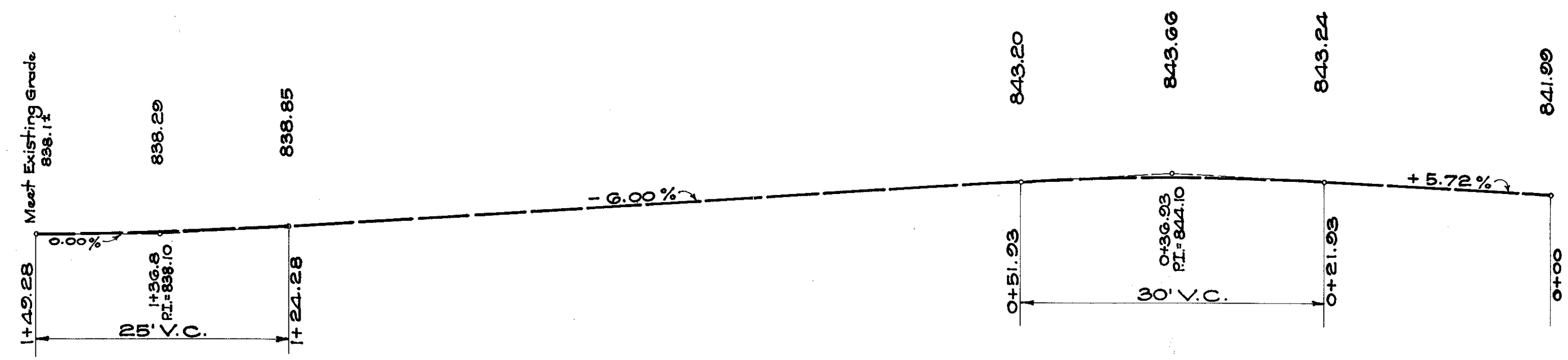
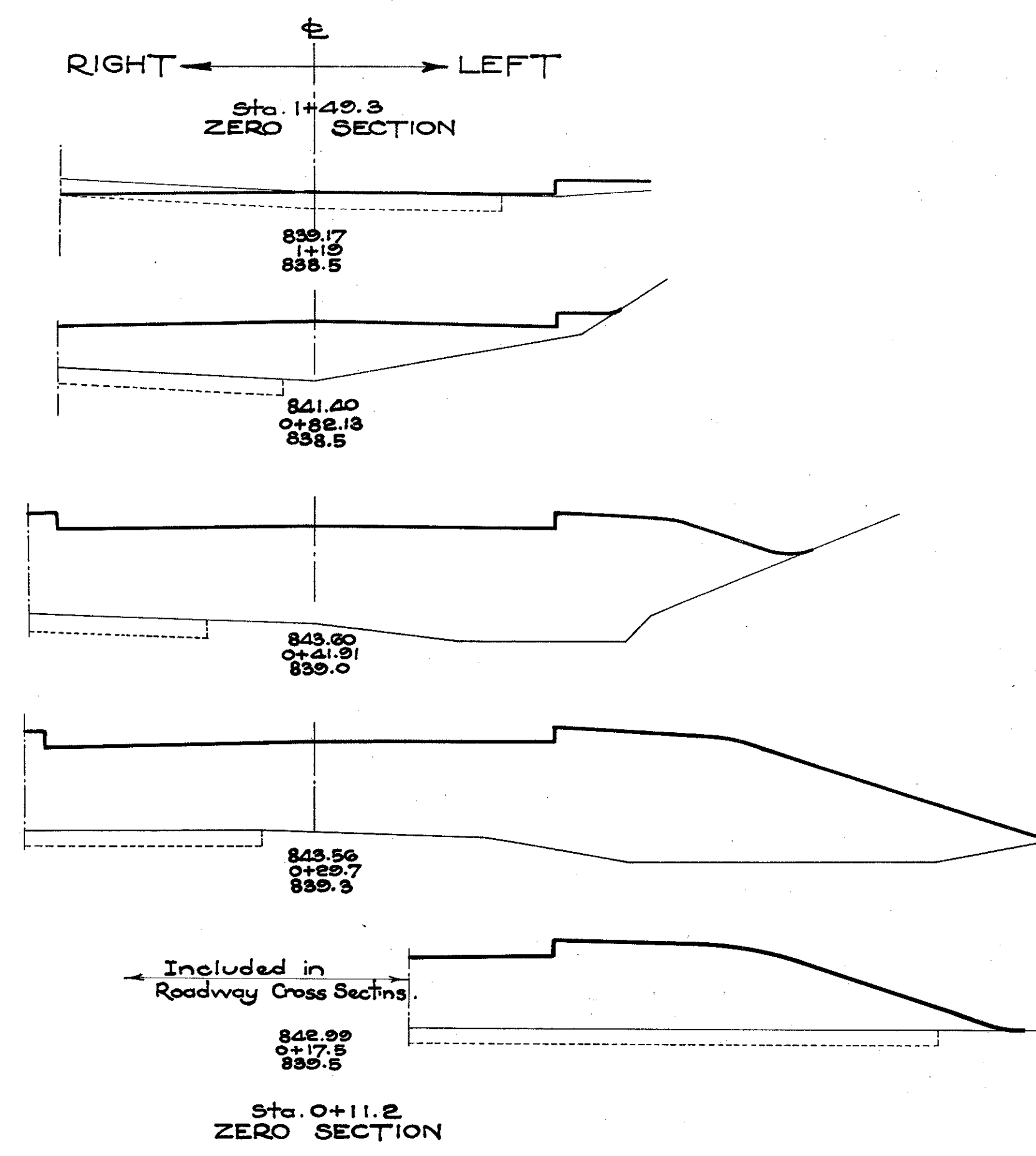
PLAN
Scale 1" = 10'

EST. QUANTITIES -

STA. 67+62.68 RT.
Traffic Bound (Item I-17) (Size N° 46) = 6 Cu. Yd.
Embankment (Incl. in Rdwy. Quant.) = 37 Cu. Yd.



Station	End Area Emb.	Volume Cu.Yd.
0+11.2	0	
0+17.5	65	8
0+29.7	160	51
0+41.93	123	64
0+82.13	38	120
1+19	2	27
1+49.3	0	1
Total		271



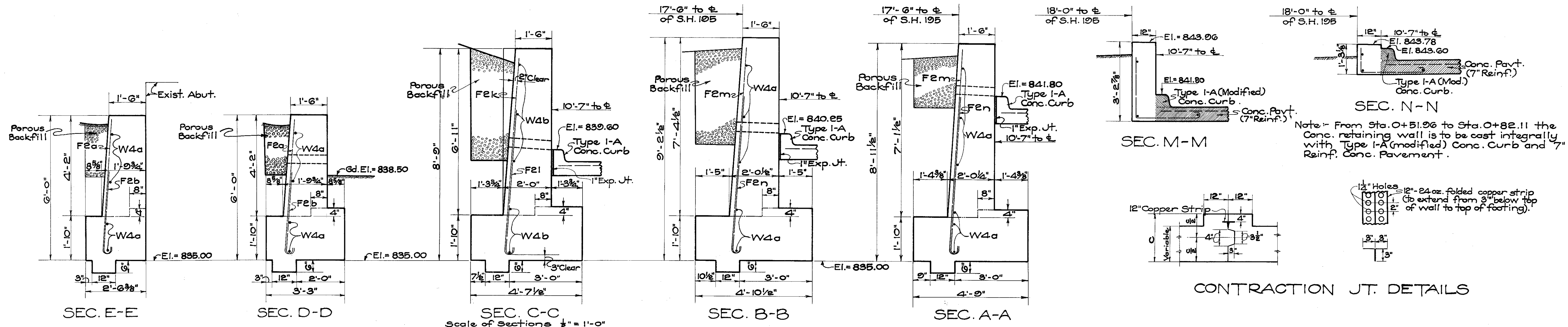
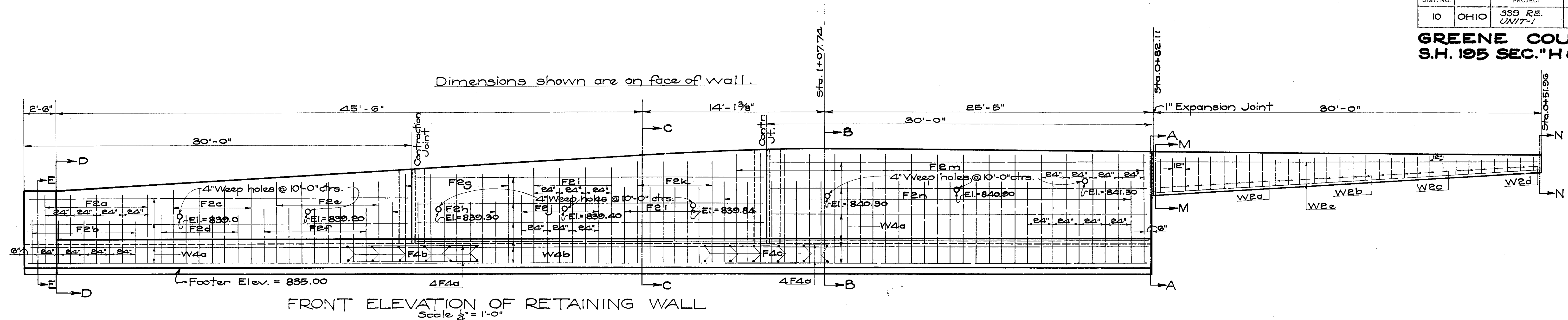
PROFILE ON & OF APPROACH

ESTIMATED QUANTITIES

Remove and Store existing Cable Guard Rail	64. Lin. Ft.
Embankment (Included in Rdwy. Quant.)	271. Cu. Yd.
7" Reinf. Conc. Pavt., Item F-71	331.5 Sq. Yd.
Type I-A Conc. Curb, Item I-12	39.61 Lin. Ft.
Type I-A (modified) Conc. Curb, Item I-12	40.00 Lin. Ft.
Removal of Existing Conc. Pavt. (8" Reinf.)	315. Sq. Yd.
Finishing Shoulders, Slopes, & Ditches	75 Lin. Ft.

FOR RETAINING WALL QUANTITIES, SEE SHEET N° 63

APPROACH Sta. 76+21.41 Rt.

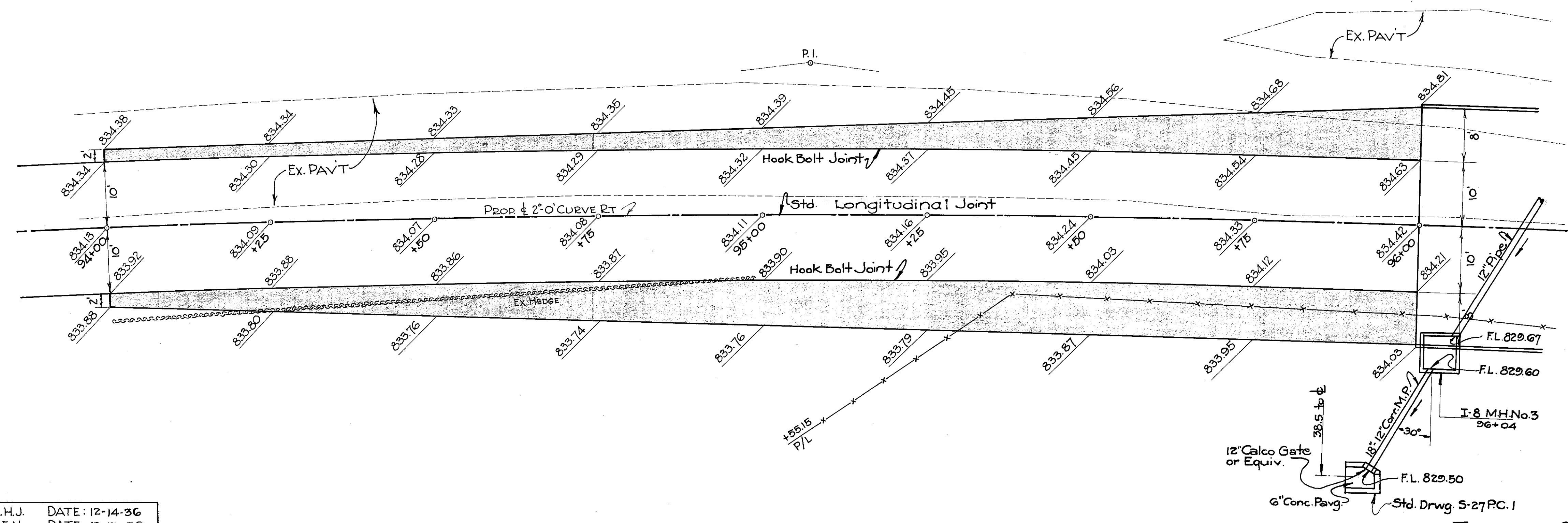


CONTRACTION JT. DETAILS

STEEL LIST						
Mark	Nº	Size	Length	Shape	Spec.	Weight
F2a	5	$\frac{1}{2}" \phi$	6'-0"	Bent	24"	20
F2b	5	"	3'-11"	"	"	13
F2c	4	"	6'-6"	"	"	17
F2d	4	"	4'-5"	"	"	12
F2e	5	"	7'-0"	"	"	23
F2f	5	"	4'-11"	"	"	16
F2g	5	"	7'-6"	"	"	25
F2h	5	"	5'-5"	"	"	18
F2i	4	"	8'-0"	"	"	21
F2j	4	"	5'-11"	"	"	16
F2k	4	"	8'-6"	"	"	23
F2l	4	"	6'-5"	"	"	17
F2m	17	"	9'-0"	"	"	102
F2n	17	"	6'-11"	"	"	79
F4a	16	$\frac{3}{8}" \phi$	10'-0"	Strt.	12"	167
F4b	12	"	3'-6"	"	24"	44
F4c	12	"	4'-3"	"	"	53
W4a	10	"	29'-0"	Bent in Field	Shown	303
W4b	6	"	27'-0"	"	"	169
W2a	9	$\frac{1}{2}" \phi$	5'-7"	Bent	12"	34
W2b	8	"	5'-1"	"	"	27
W2c	6	"	4'-8"	"	"	19
W2d	7	"	4'-3"	"	"	20
W2e	3	"	29'-6"	Strt.	Shown	59
Total						1297*

ESTIMATED QUANTITIES	
Excavation, Item E-2	80. Cu. Yd.
Concrete, 1:5½ mix (Footing)	29.1 Cu. Yd.
Concrete, 1:5½ mix (Wall)	37.4 Cu. Yd.
Reinforcing Steel	1297. Lb.
12"-24 oz. folded copper strip	12.55 Lin. Ft.
Porous Backfill	17. Cu. Yd.
1" Premolded Exp. Joint	58.0 Sq. Ft.

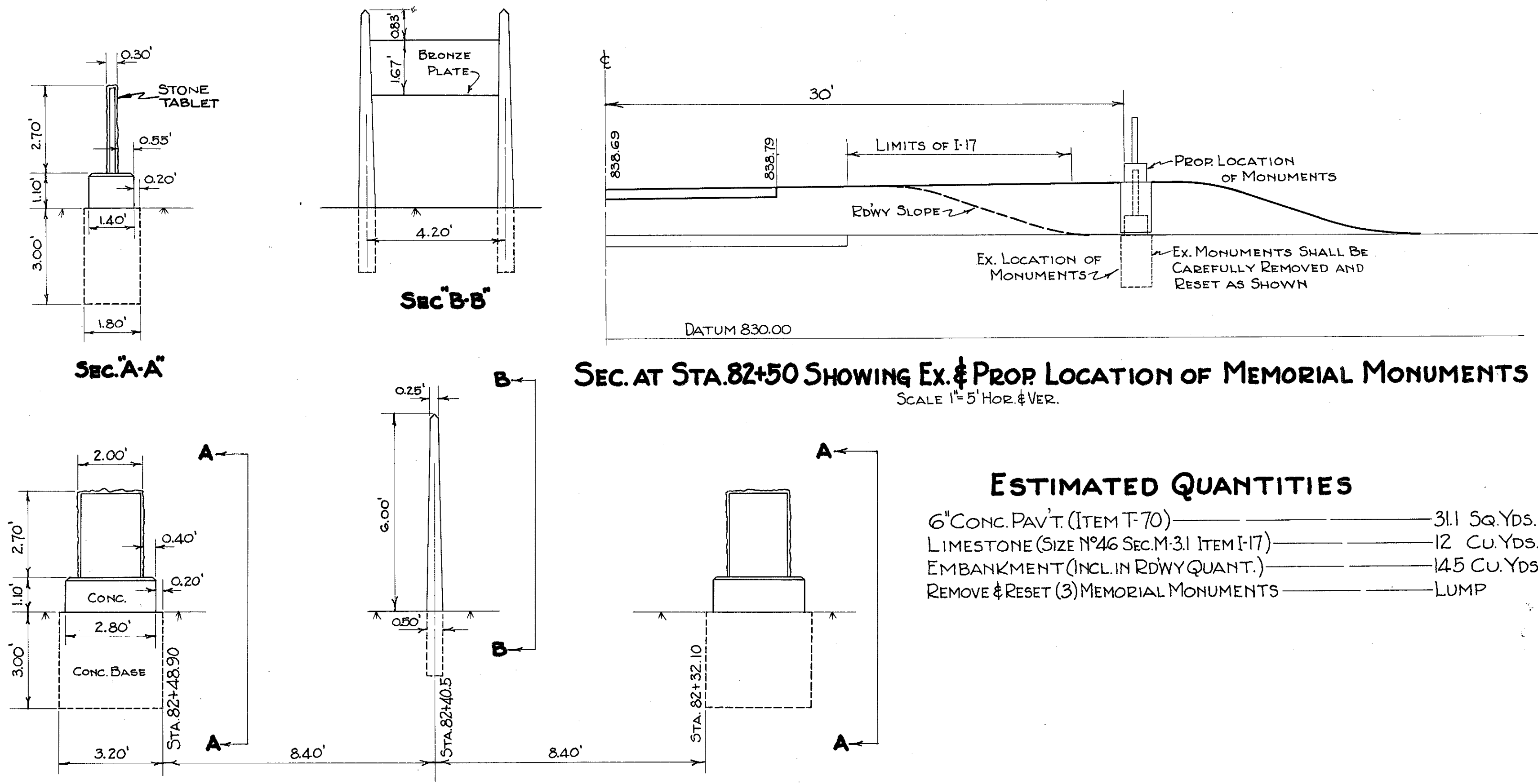
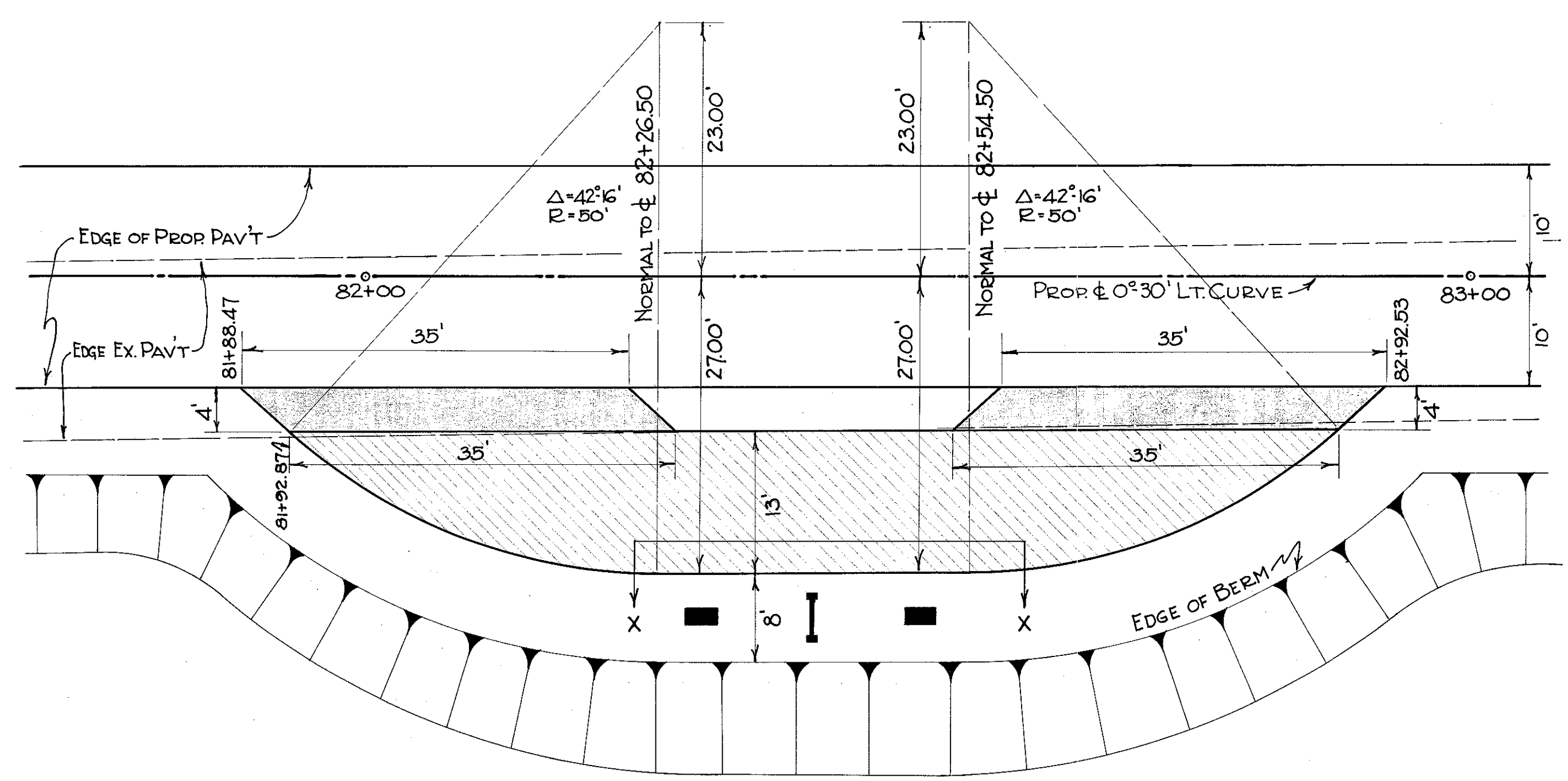
RETAINING WALL DETAILS ON APPROACH STA. 76+21.41 Rt.



ESTIMATED QUANTITIES
 7" CONC. PAV'T (ITEM T771) ————— 221.6 Sq. Yds.

DRAWN BY: E.H.J. DATE: 12-14-36
 CHECKED BY: W.E.H. DATE: 12-15-36
 CHECKED BY: DATE:

FLARE STA. 94+00 TO STA 96+00 RT. & LT.



ESTIMATED QUANTITIES
 6" CONC. PAV'T. (ITEM T-70) ————— 31.1 Sq. Yds.
 LIMESTONE (SIZE N°46 SEC.M-31 ITEM I-17) ————— 12 Cu. Yds.
 EMBANKMENT (INCL. IN RDWY QUANT.) ————— 145 Cu. Yds.
 REMOVE & RESET (3) MEMORIAL MONUMENTS ————— LUMP

DRAWN BY: W.E.H. DATE: 12-23-36
 CHECKED BY: J.P.M. DATE: 12-24-36
 CHECKED BY: DATE:

DETAIL OF MEMORIAL MONUMENTS

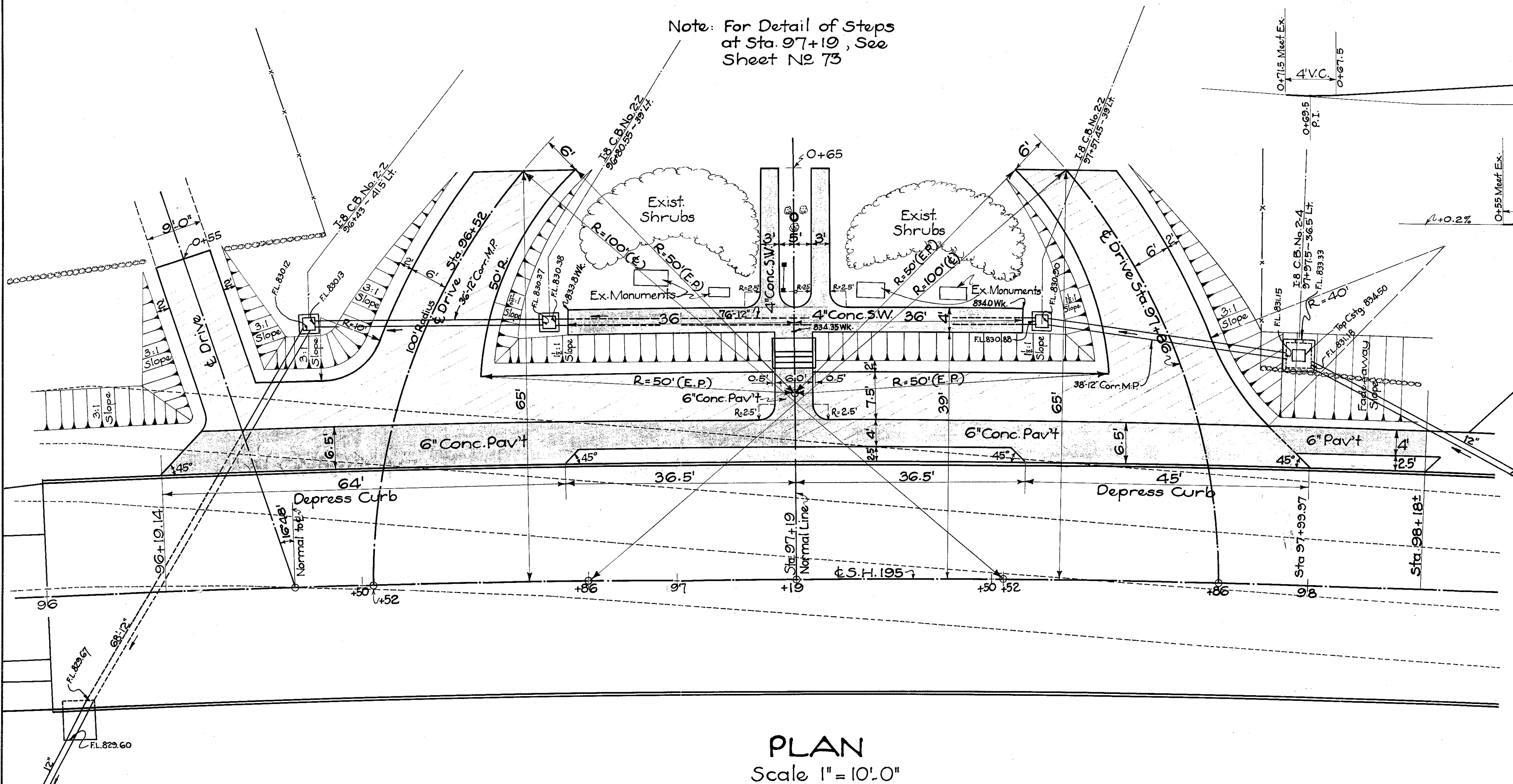
DRIVE STA. 81+88.47 TO STA. 82+92.53 RT.

ESTIMATED QUANTITIES

6" Plain Conc. Pav't (Item T-70)	123.3	Sq. Yd.
4" Concrete Sidewalk (Item I-13)	430.8	Sq. Ft.
Embankment (Incl. in Rdwy. Quant.)	170.	Cu. Yd.
Limestone, Size No 46, Sec. M-3.1 (Item I-17)	30.	Cu. Yd.
Steps 7" Rise, 10 1/2" Tread	28.	Lin. Ft.

Brick School Bldg.

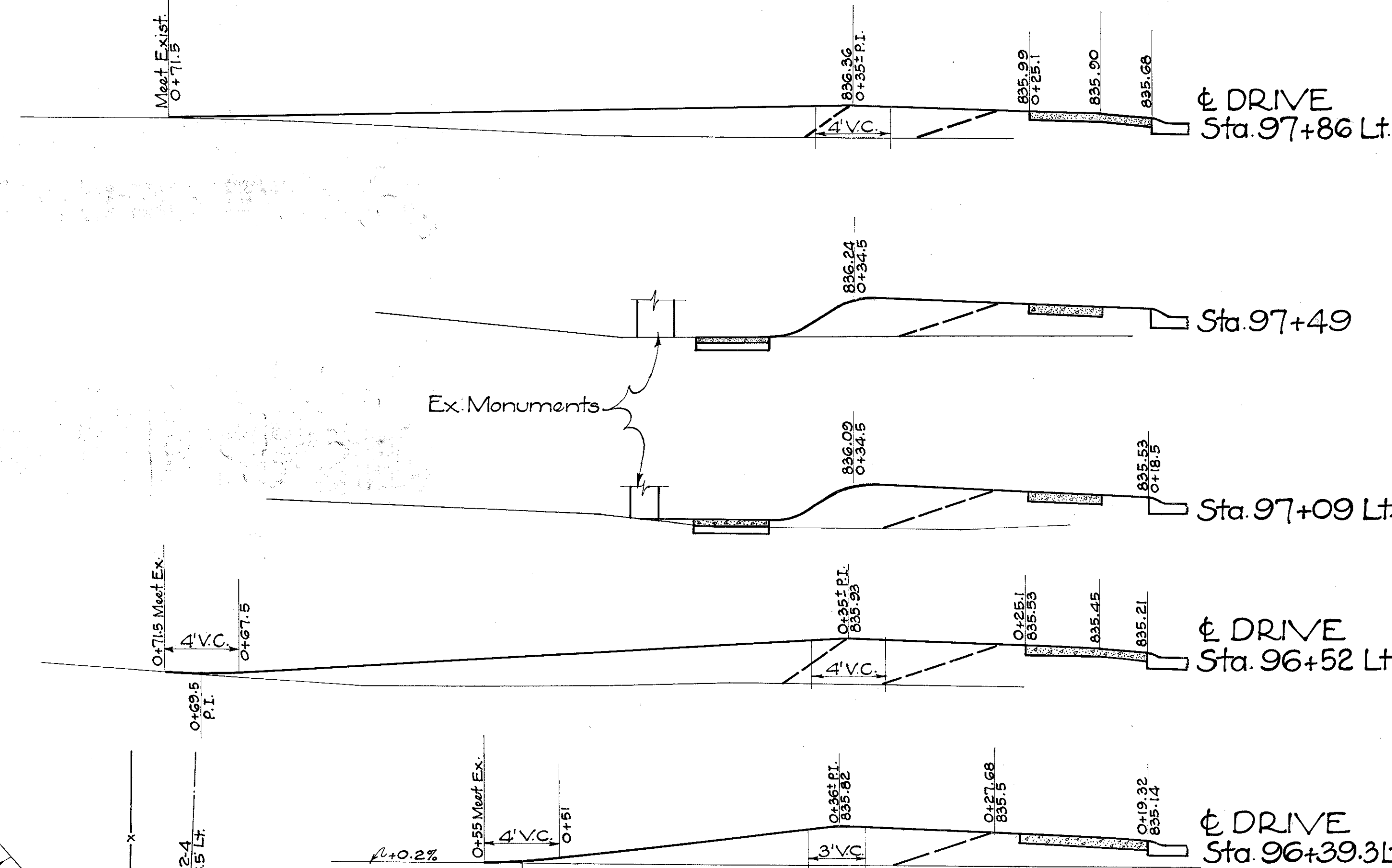
Note: For Detail of Steps at Sta. 97+19, See Sheet No 73



PLAN

Scale 1" = 10'.0"

Drawn By: E.H.J. 1-11-37
Checked By: O.T.M. 1-13-37

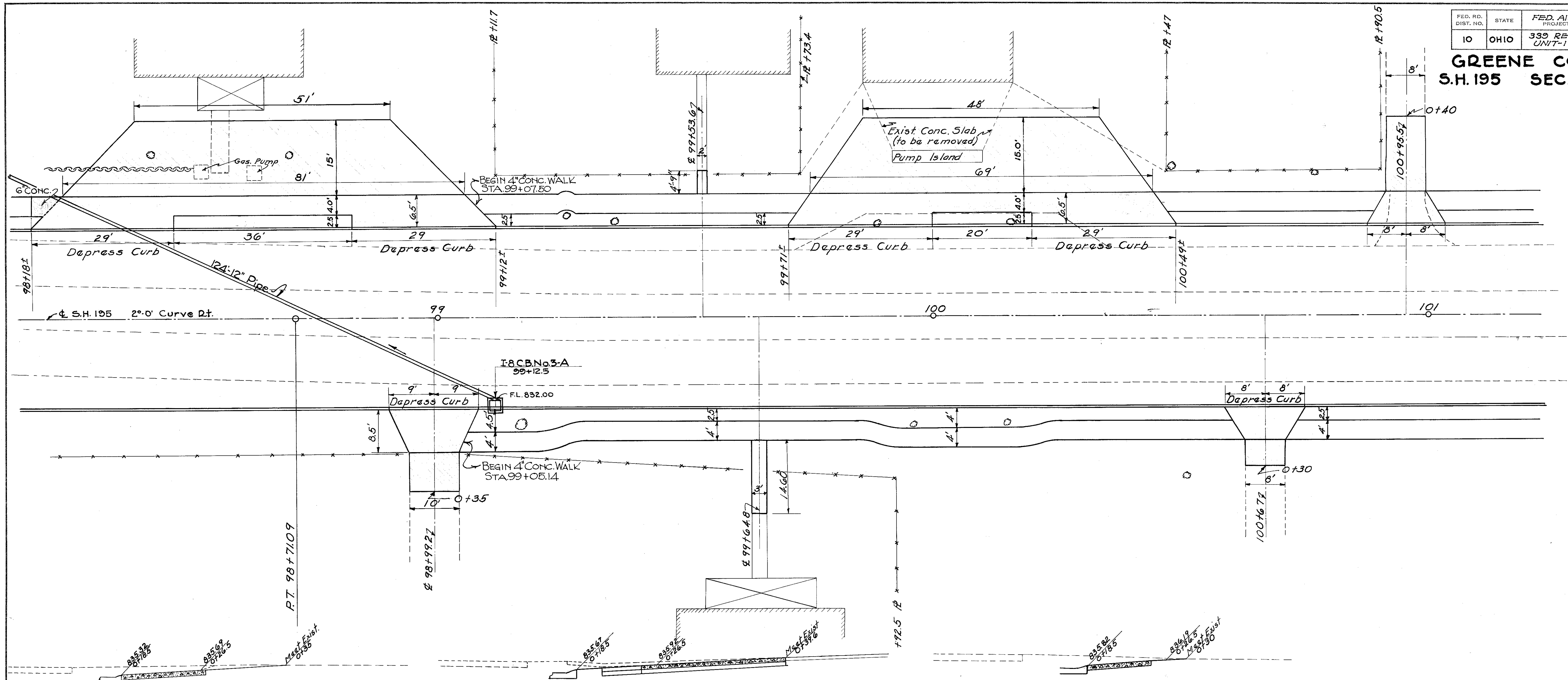


PROFILES

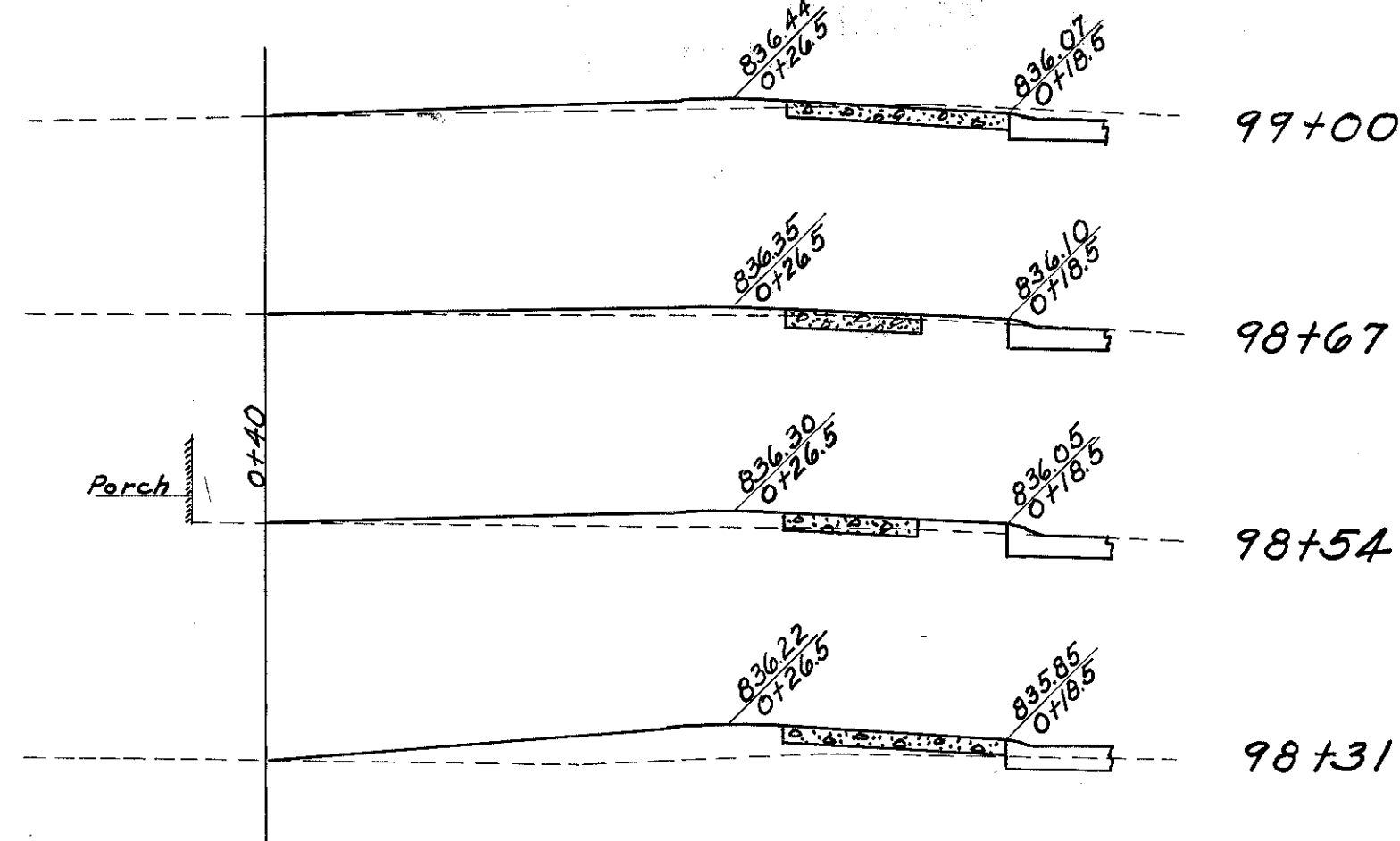
Scale 1" = 5' Horiz. & Vert.

DRIVES, WALKS & STEPS
STA. 96+19.14 To STA. 98+18 Left

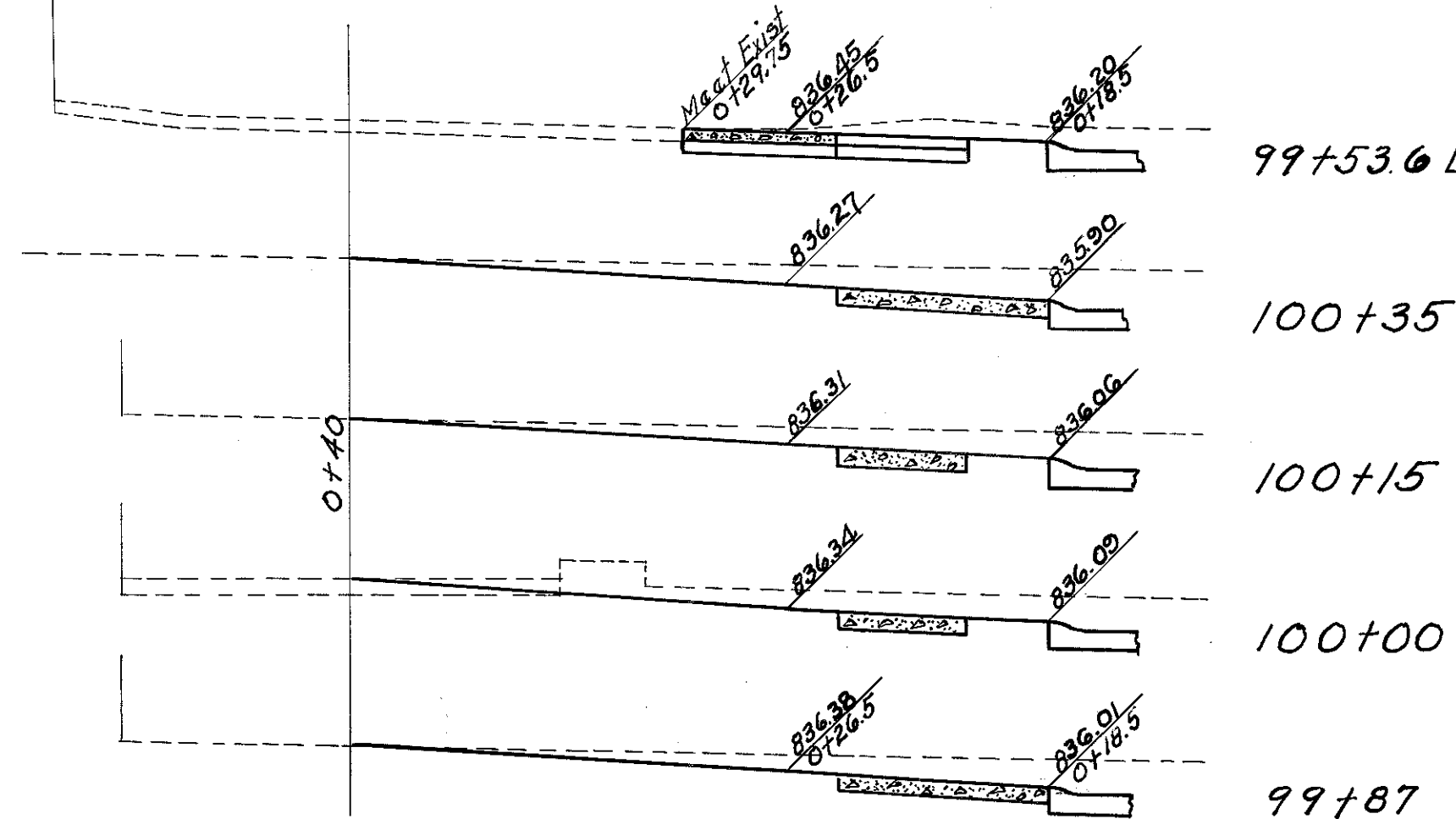
GREENE COUNTY
S.H. 195 SEC. "H & F-PT."



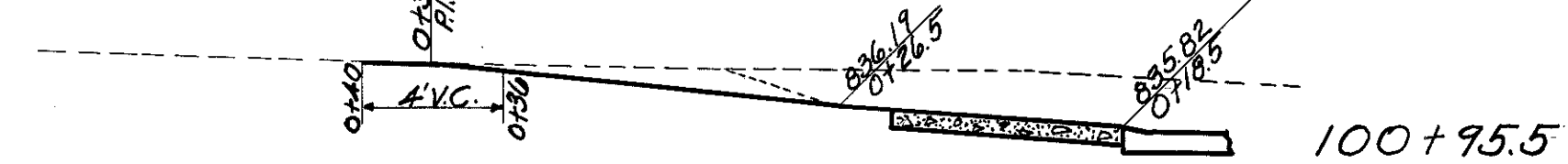
Profile Along & Private Drive
Sta. 98+99.2 Rt.



Profile Along & Walk
Sta. 99+64.8 Rt.

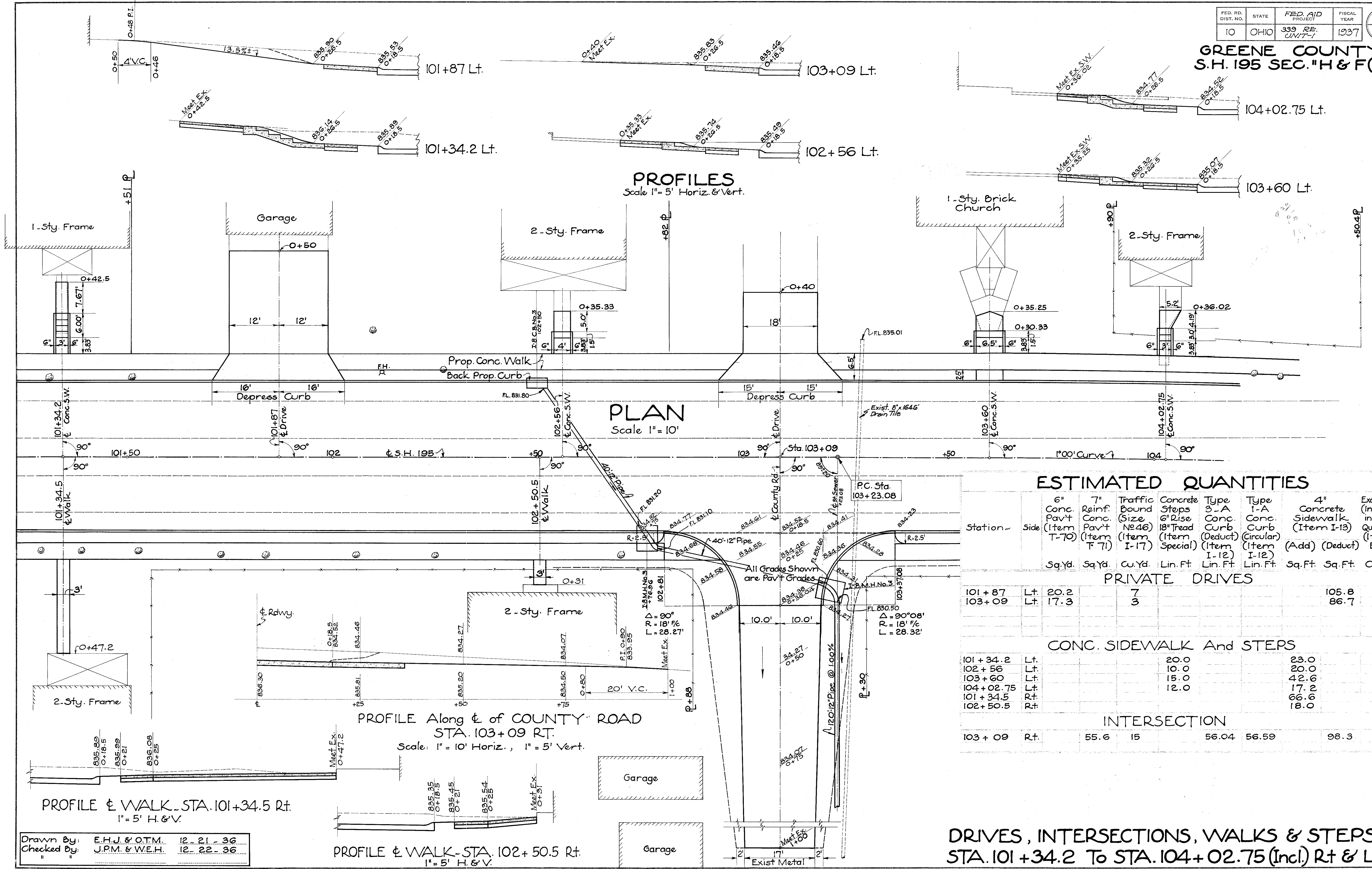


Profile Along & Private Drive
Sta. 100+67 Rt.



ESTIMATED QUANTITIES									
Stations	Side of Road	6" Conc. Pav't. Item T-70 Sq.Yd.	Traffic Bound Size N°46 Item I-17 Cu.Yd.	4" Conc. Sidewalk Item I-13 Sq.Ft.	Excavation (Incl. in Rdwy Quant.) Item E-1 Cu.Yd.	Removal & Disposal Ex. 6" Conc. (Deduction) Item E-8 Sq.Yd.	4" Conc. Sidewalk (Deduction) Item I-13 Sq.Ft.		
PRIVATE DRIVES									
98+18-99+12	Lt.	55.2	12		4				
98+99.2	Rt.	13.2	1		2				
99+71-100+49	Lt.	47.5	11		16	16.3		287.1	
100+67	Rt.	8.7	1		2			41.8	
100+95.5	Lt.	8.7	2		3			41.8	
4" CONC. SIDEWALKS									
99+53.6	Lt.			9.5					
99+64.8	Rt.			43.8					

Drawn By: W.E.H. Date: 12-22-36
Checked By: J.P.M. Date: 12-23-36



ESTIMATED QUANTITIES

Station-	Side	6"	7"	Traffic	Concrete	Type	Type	4"	Excavation	
		Conc. Pav't (Item T-70)	Reinf. Conc. Pav't (Item T-71)	Bound (Size No 46)	Steps (6" Rise 18" Tread Item Special)	3-A Conc. Curb (Deduct) Item I-12)	1-A Conc. Curb (Circular) Item I-12)	Concrete Sidewalk (Item I-13)	(Included in Rdwy. Quantities) (Item E-1)	
		Sq.Yd.	Sq.Yd.	Cu.Yd.	Lin. Ft.	Lin. Ft.	Lin. Ft.	Sq.Ft.	Sq.Ft.	Cu.Yd.
PRIVATE DRIVES										
101+ 87	Lt.	20.2			7				105.8	16
103+ 09	Lt.	17.3			3				86.7	4
CONC. SIDEWALK And STEPS										
101+ 34.2	Lt.				20.0			23.0		
102+ 56	Lt.				10.0			20.0		
103+ 60	Lt.				15.0			42.6		
104+ 02.75	Lt.				12.0			17.2		
101+ 34.5	Rt.							66.6		
102+ 50.5	Rt.							18.0		
INTERSECTION										
103+ 09	Rt.	55.6	15		56.04	56.59		98.3	58	

DRIVES, INTERSECTIONS, WALKS & STEPS
STA. 101+34.2 To STA. 104+02.75 (Incl.) Rt & Lt.

Drawn By: E.H.J. & O.T.M. 12-21-36
Checked By: J.P.M. & W.E.H. 12-22-36

ESTIMATED QUANTITIES -

Station	Side	6" Plain Concrete Pavement Item T-70	4" Conc. Sidewalk Item I-13	Concrete Steps 6" Rise 18" Tread Item Special Lin. Ft.	Traffic Bound (Size No. 46) Item I-17	Excavation (Incl. in Rdwy. Quant.)	Embankment (Incl. in Rdwy. Quant.)
		Sq. Yd.	Sq. Ft.	Lin. Ft.	Cu. Yd.	Cu. Yd.	Cu. Yd.
104 + 17	Rt.		9.0	12.0			
104 + 60	Lt.		15.5	8.0			
105 + 66	Lt.	10.8			2	2	1
105 + 92.2	Lt.	7.5			3	1	1
106 + 30.5	Rt.	13.0			3	1	2

CONCRETE STEPS -

PRIVATE DRIVES -

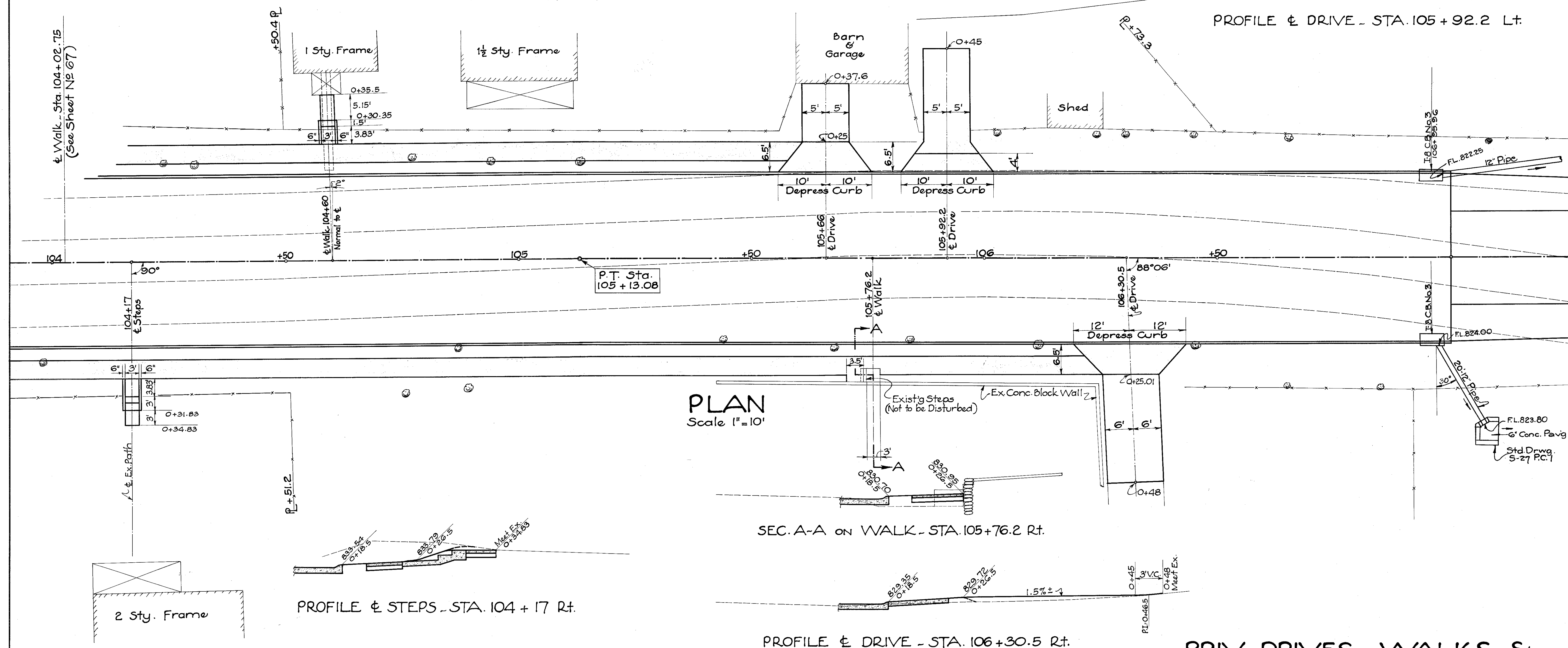
FED. RD. DIST. NO.	STATE	FED. AID PROJECT	FISCAL YEAR
10	OHIO	339 RE. UNIT-1	1937

GREENE COUNTY
S.H. 195-SEC. "H & F (Pt.)"

PROFILE & DRIVE - STA. 105 + 66 Lt.

PROFILE & WALK - STA. 104 + 60 Lt.

PROFILE & DRIVE - STA. 105 + 92.2 Lt.



PLAN
Scale 1" = 10'

SEC. A-A ON WALK - STA. 105 + 76.2 Rt.

PROFILE & STEPS - STA. 104 + 17 Rt.

PROFILE & DRIVE - STA. 106 + 30.5 Rt.

PRIV. DRIVES, WALKS & STEPS - STA. 104 + 17 To STA. 106 + 30.5 (Incl.) Rt. & Lt.

Drawn By: E.H.J. 12-29-36
Checked By: W.E.H. & J.P.M. 1-5-37

Note: The Scale for Profiles Shown on this Sheet is 1" = 5' Horiz. & Vert.

ESTIMATED QUANTITIES

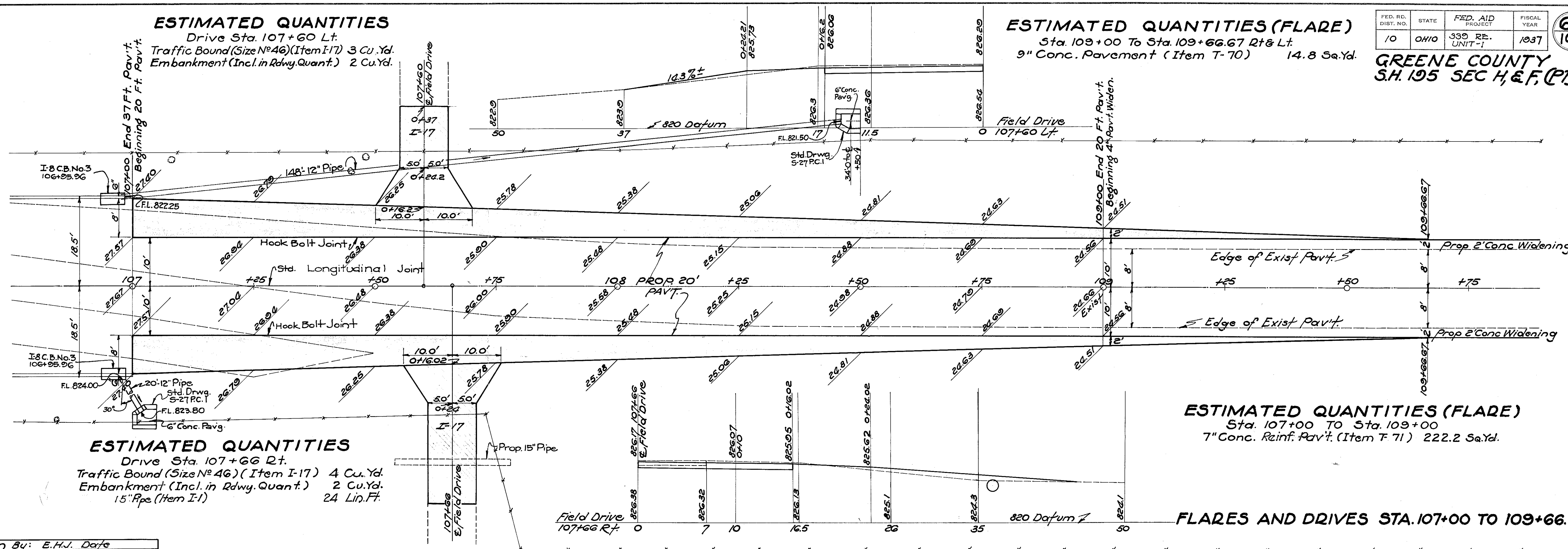
Drive Sta. 107+60 Lt.
Traffic Bound (Size N°46) (Item I-17) 3 Cu. Yd.
Embankment (Incl. in Rdwy. Quant.) 2 Cu. Yd.

ESTIMATED QUANTITIES (FLARE)

Sta. 109+00 To Sta. 109+66.67 Rt & Lt.
9" Conc. Pavement (Item T-70) 14.8 Sq. Yd.

FED. RD. DIST. NO.	STATE	FED. AID PROJECT	FISCAL YEAR
10	OHIO	330 RE. UNIT-1	1037

GREENE COUNTY
S.H. 195 SEC H, E, F, (PT)



ESTIMATED QUANTITIES

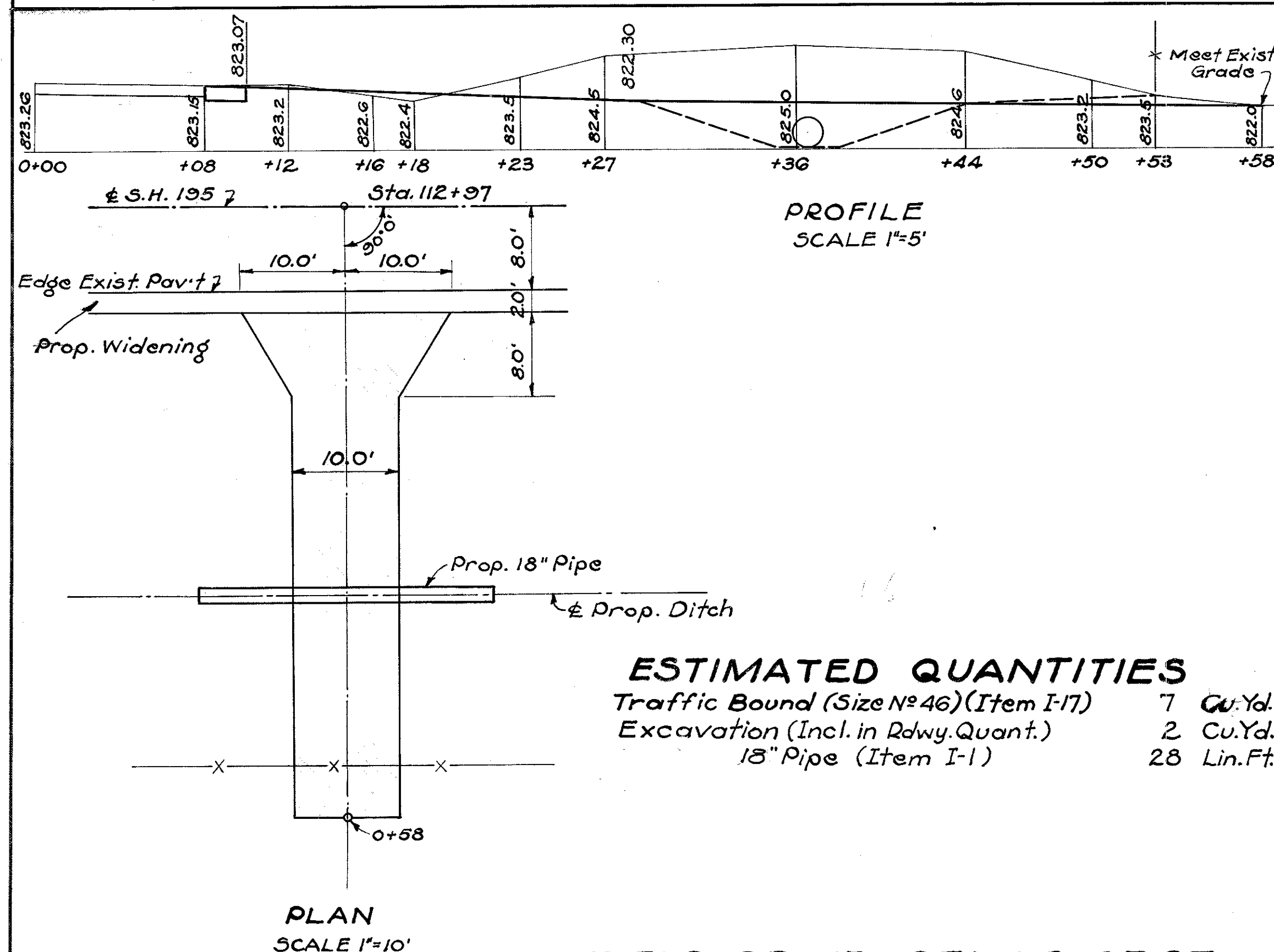
Drive Sta. 107+66 Rt.
Traffic Bound (Size N°46) (Item I-17) 4 Cu. Yd.
Embankment (Incl. in Rdwy. Quant.) 2 Cu. Yd.
15" Pipe (Item I-1) 24 Lin. Ft.

ESTIMATED QUANTITIES (FLARE)

Sta. 107+00 To Sta. 109+00
7" Conc. Reinf. Pav't. (Item T-71) 222.2 Sq. Yd.

FLARES AND DRIVES STA. 107+00 TO 109+66.67

Drawn By: E.H.J. Dafe
Checked By: O.T.M. Dafe
Checked By: Date

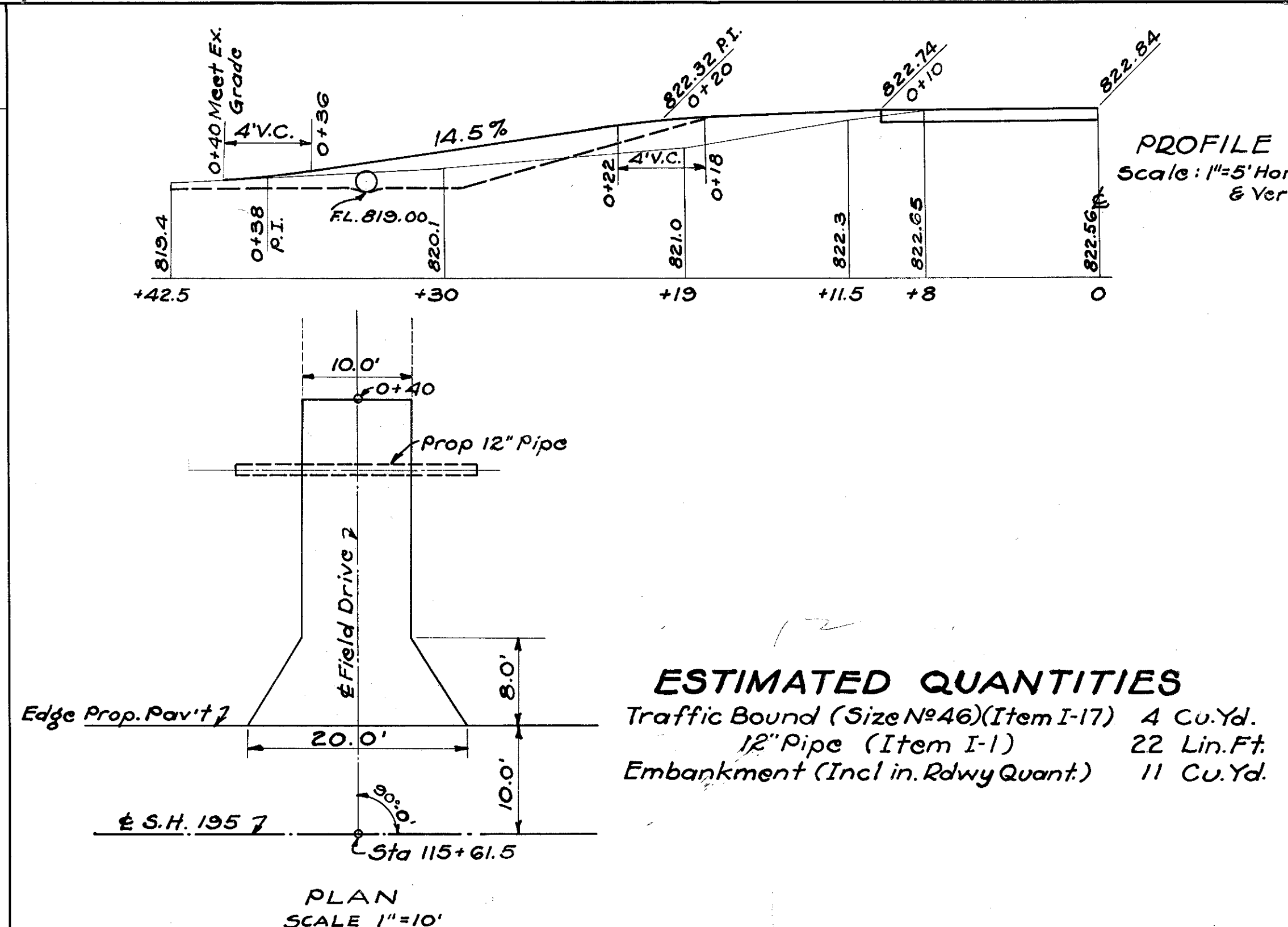


ESTIMATED QUANTITIES

Traffic Bound (Size N°46) (Item I-17) 7 Cu. Yd.
Excavation (Incl. in Rdwy. Quant.) 2 Cu. Yd.
18" Pipe (Item I-1) 28 Lin. Ft.

PLAN
SCALE 1"=10'

FIELD DRIVE STA. 112+97 RT.

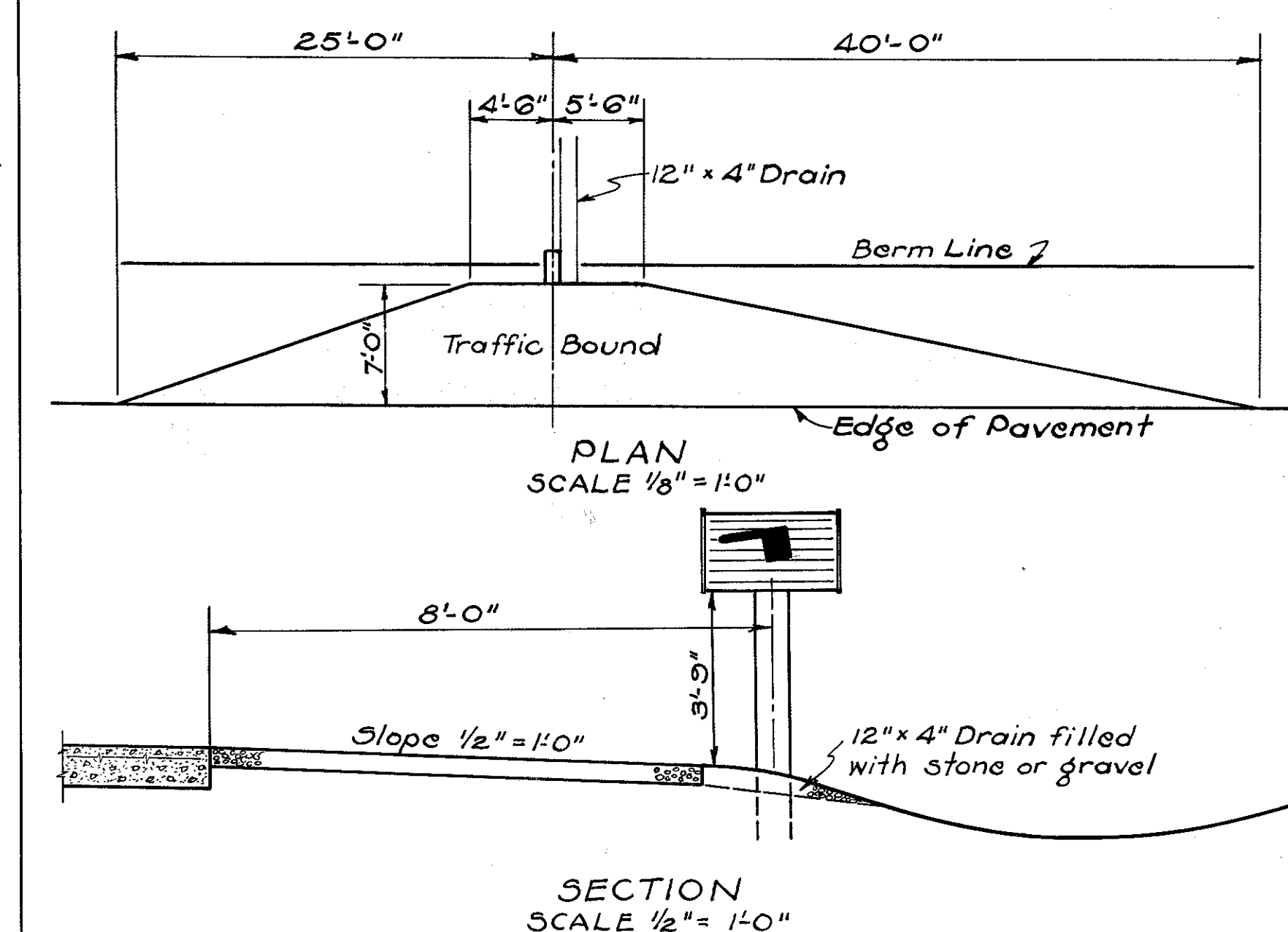


ESTIMATED QUANTITIES

Traffic Bound (Size N°46) (Item I-17) 4 Cu. Yd.
12" Pipe (Item I-1) 22 Lin. Ft.
Embankment (Incl. in Rdwy. Quant.) 11 Cu. Yd.

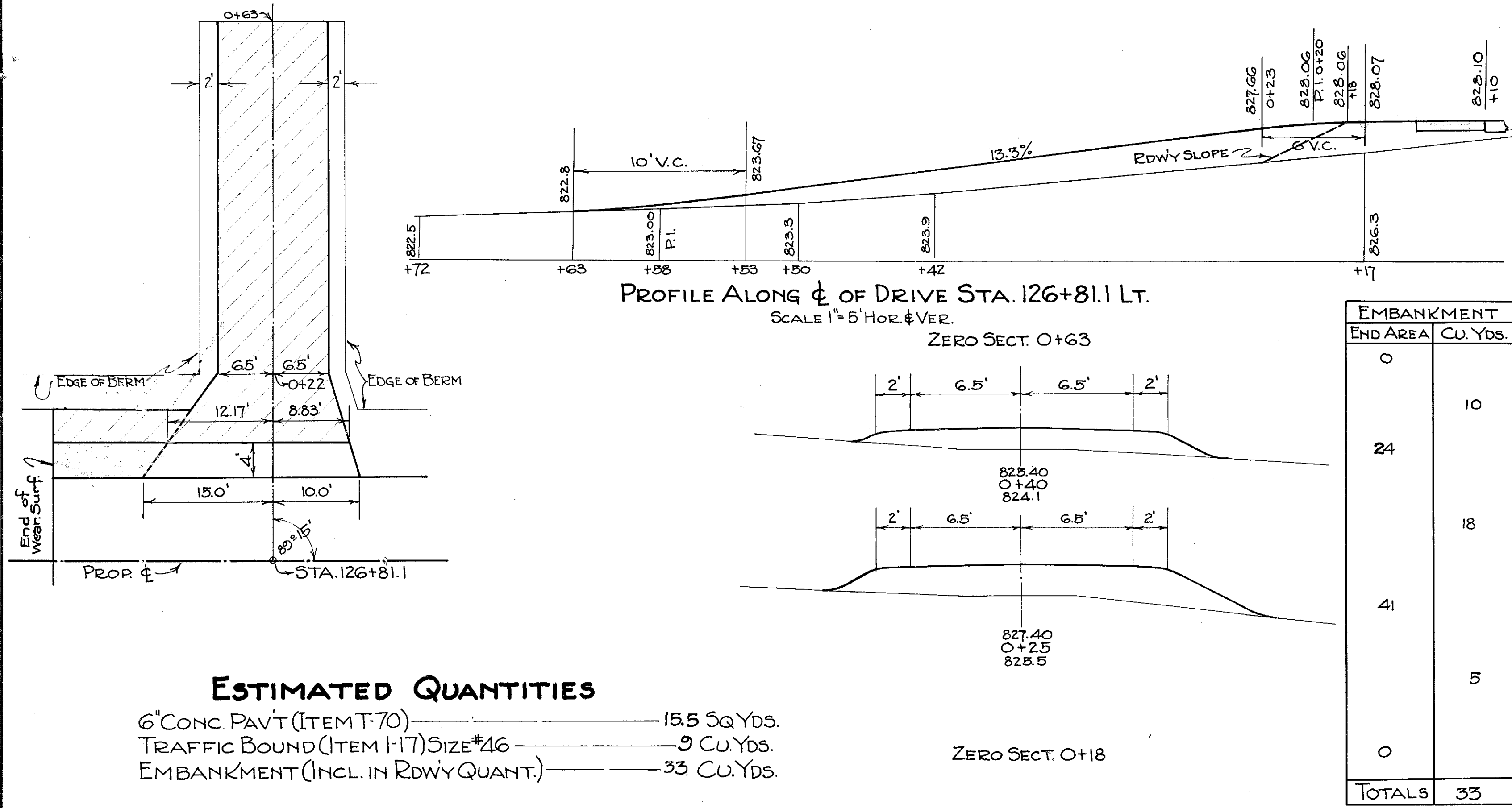
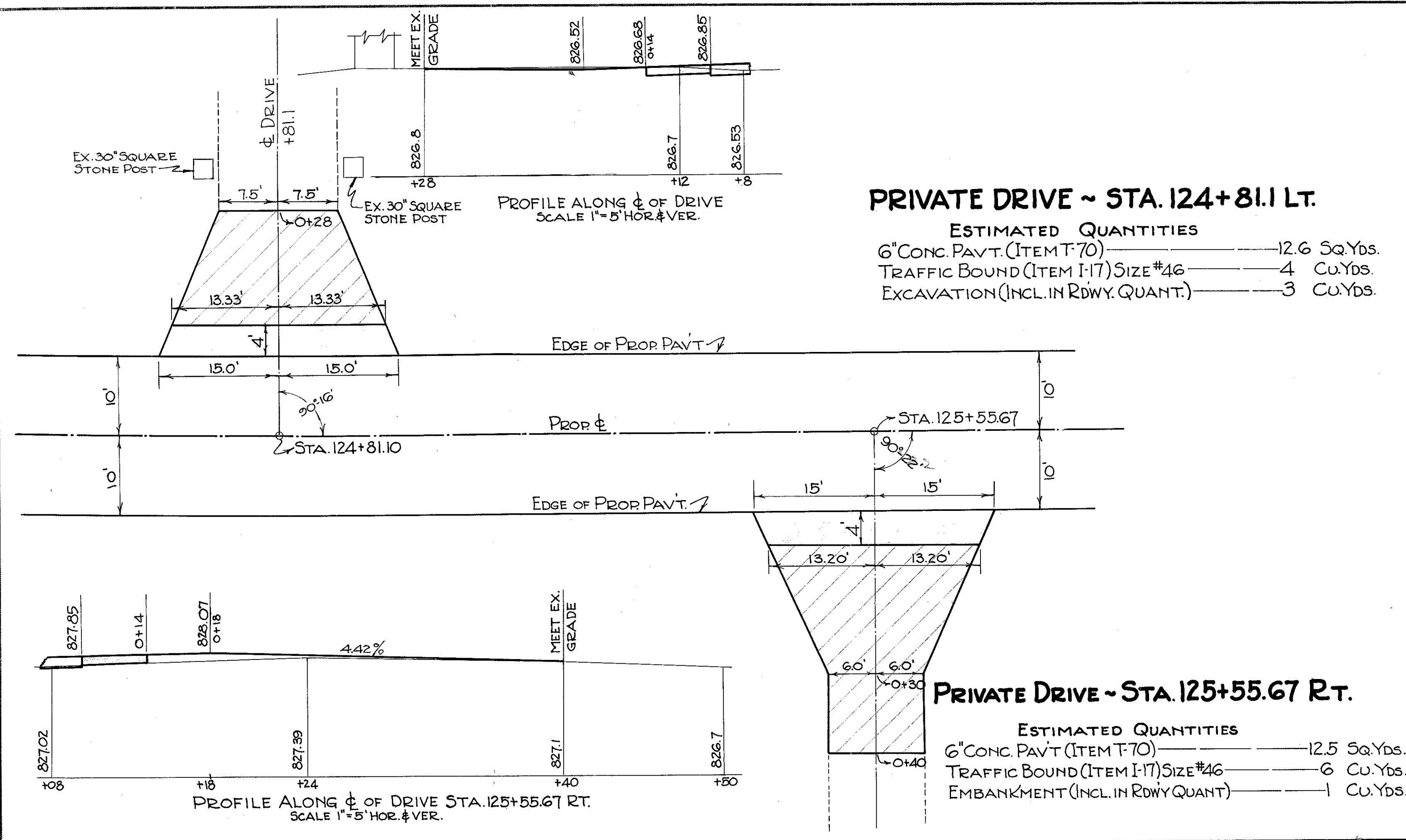
PLAN
SCALE 1"=10'

FIELD DRIVE STA. 115+61.5 LT.



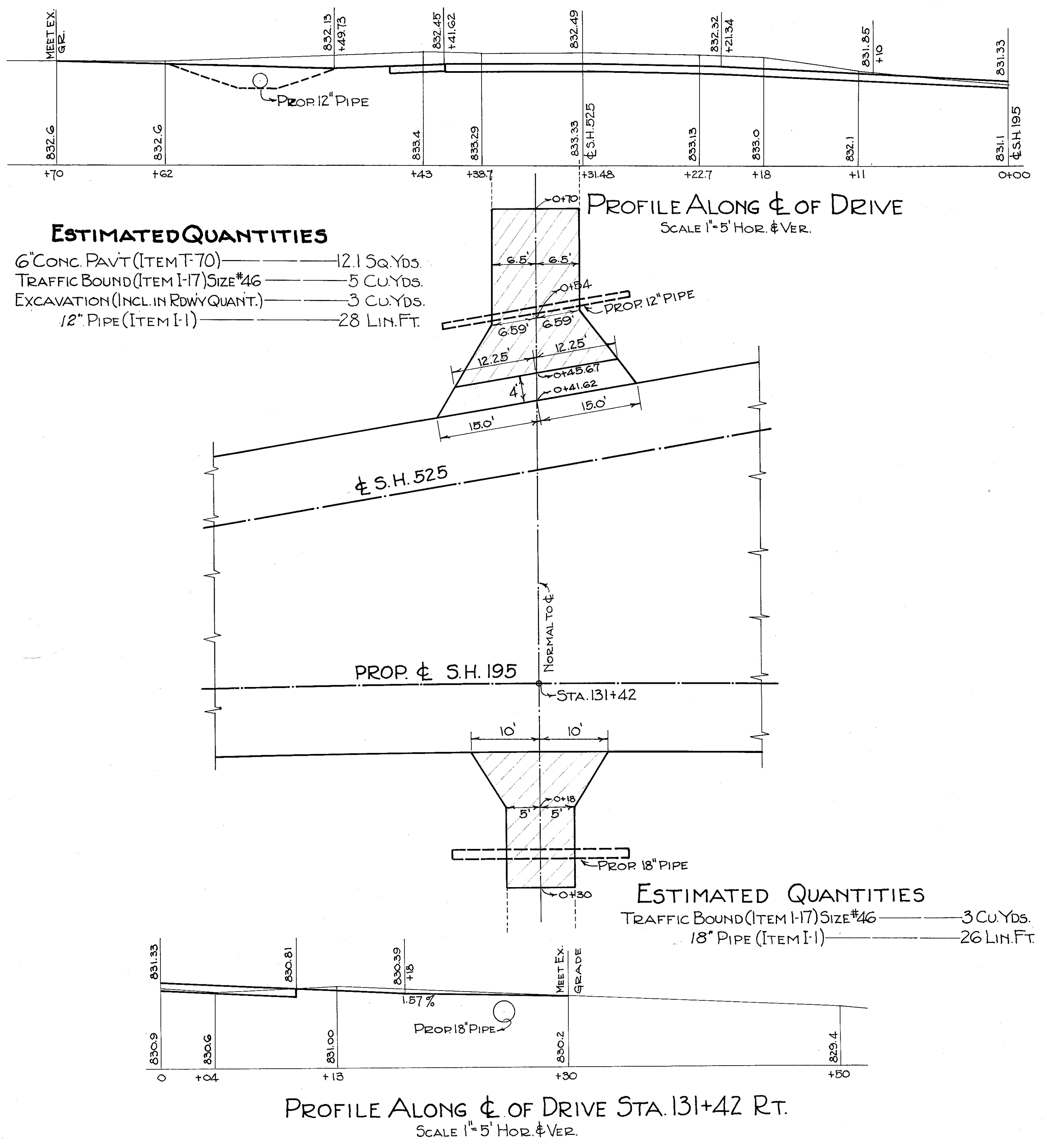
SECTION
SCALE 1/2"=1'-0"

DETAIL OF
MAIL BOX APPROACHES



DRAWN BY: O.T.M. DATE: 12-16-36
 CHECKED BY: J.P.M. " 12-18-36

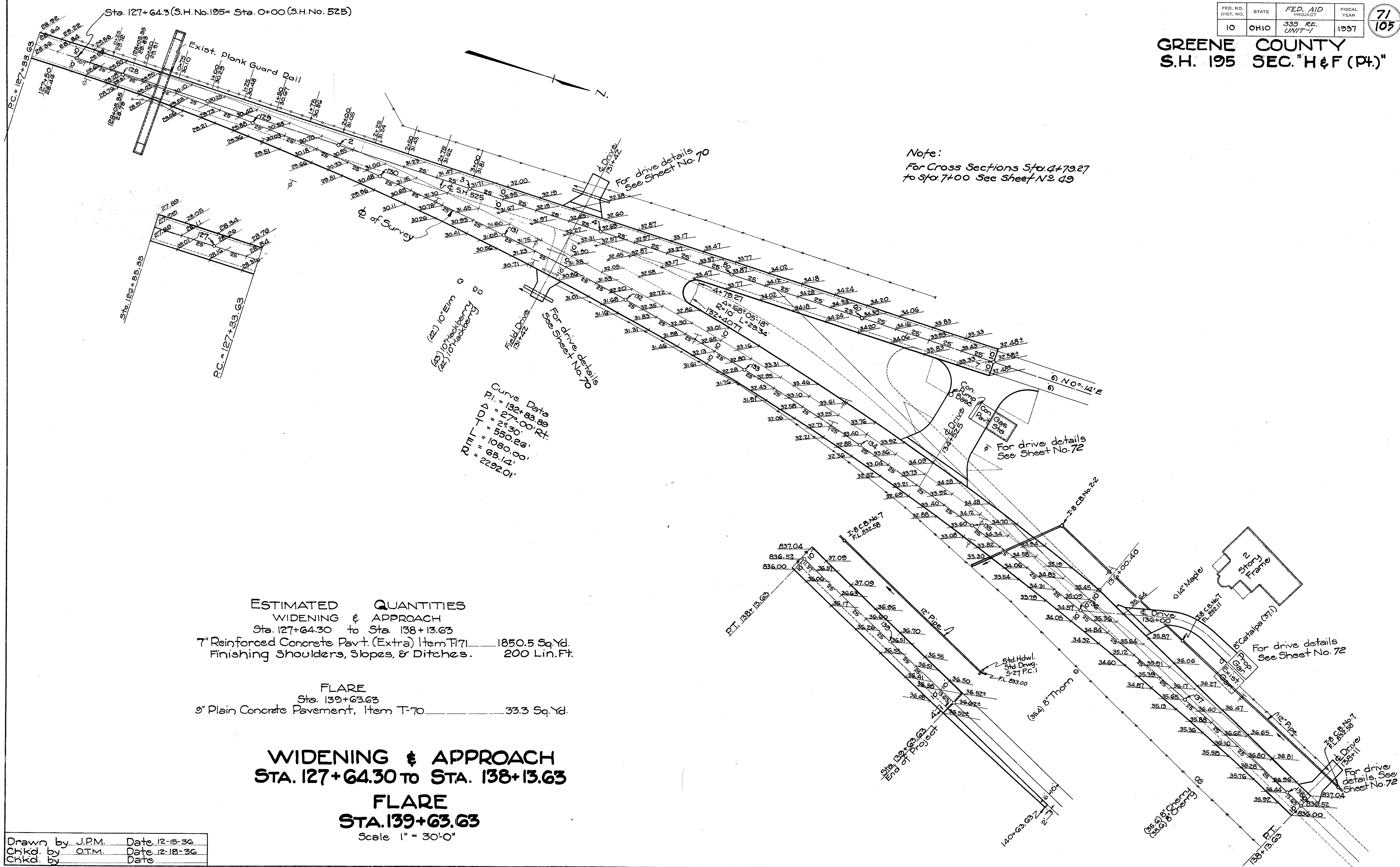
PRIVATE DRIVE STA. 126+81.1 LT.



PRIVATE DRIVES STA. 131+42 LT. & RT.

GREENE COUNTY
S.H. 195 SEC. "H & F (Pt.)"

71
105



Note:
For Cross Sections Sta. 4+79.27
to Sta. 7+00 See Sheet No. 49

Curve Data
P.I. = 132+83.89
= 27+00' Rt.
= 550.26'
= 1080.00'
= 65.14'
= 2292.01'

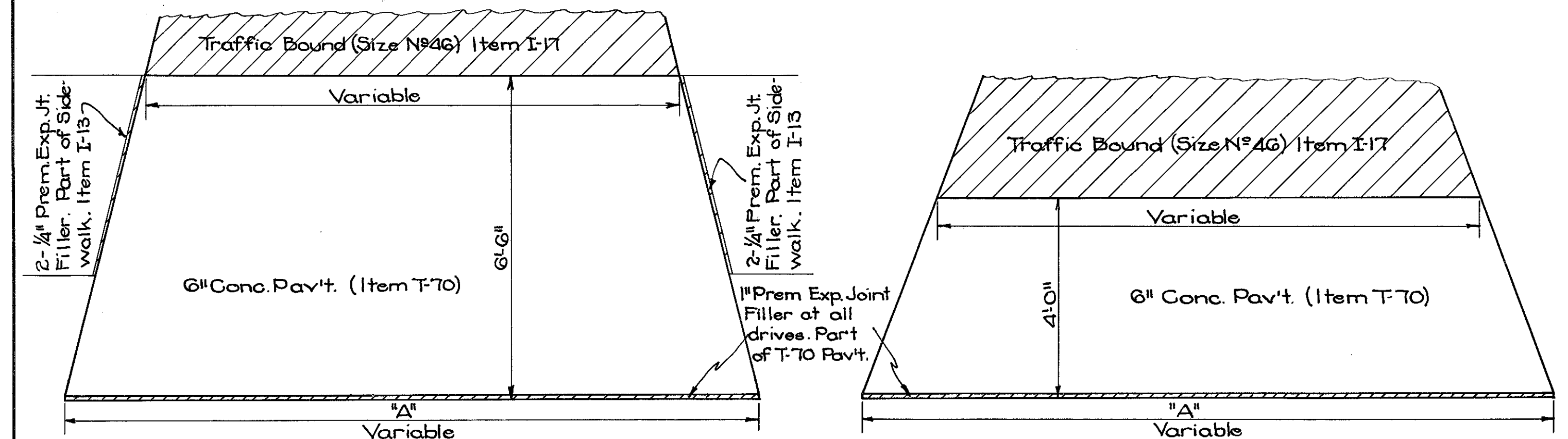
ESTIMATED QUANTITIES
WIDENING & APPROACH
Sta. 127+64.30 to Sta. 138+13.63
7" Reinforced Concrete Pav't. (Extra) Item T-71 1850.5 Sq. Yd.
Finishing Shoulders, Slopes, & Ditches. 200 Lin. Ft.

FLARE
Sta. 139+63.63
9" Plain Concrete Pavement, Item T-70 33.3 Sq. Yd.

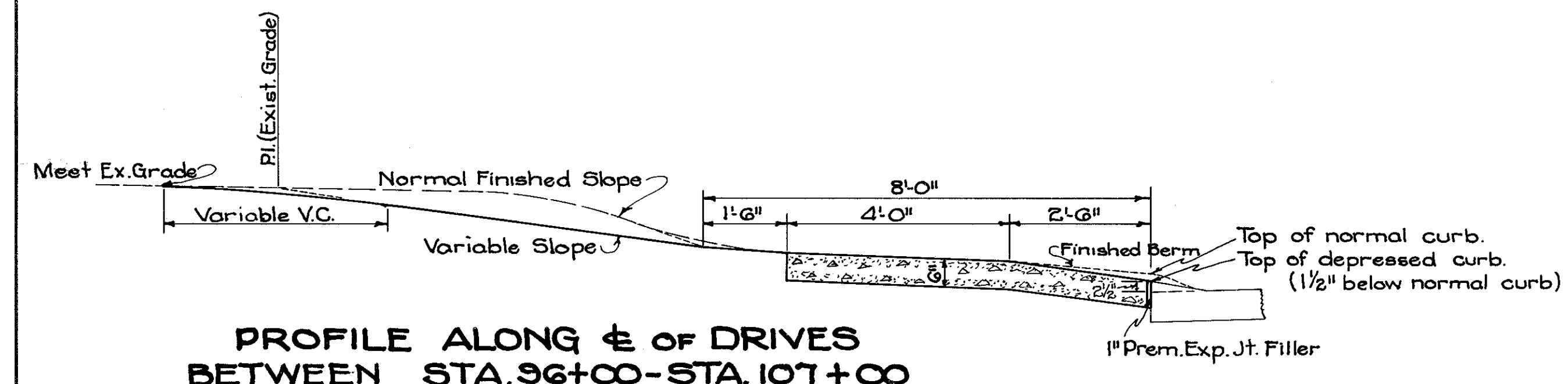
WIDENING & APPROACH
STA. 127+64.30 TO STA. 138+13.63
FLARE
STA. 139+63.63
Scale 1" = 30'-0"

Drawn by J.P.M. Date 12-15-36
Chkd. by O.T.M. Date 12-18-36
Chkd. by Date

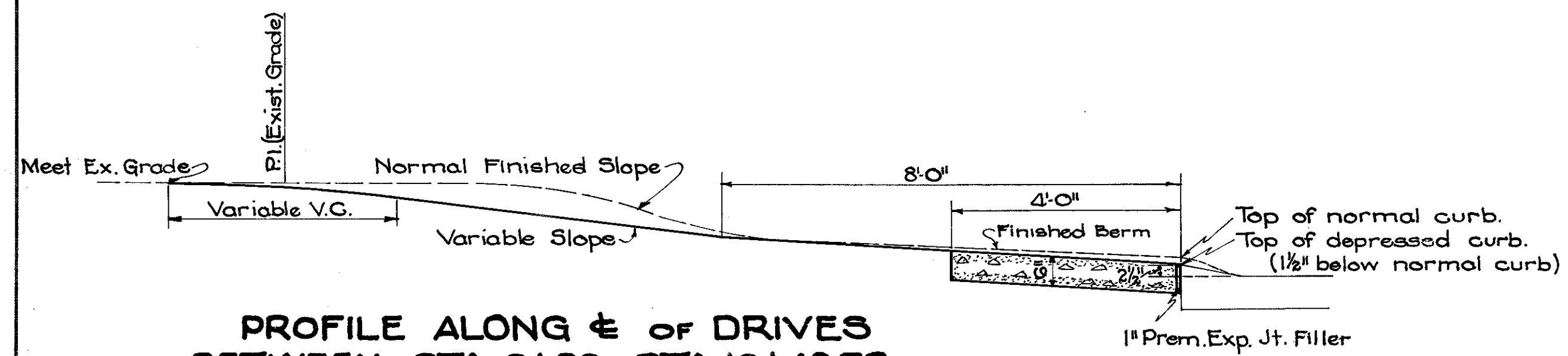
DETAILS OF TYPICAL CONC. STEPS 6" RISE, 18" TREAD



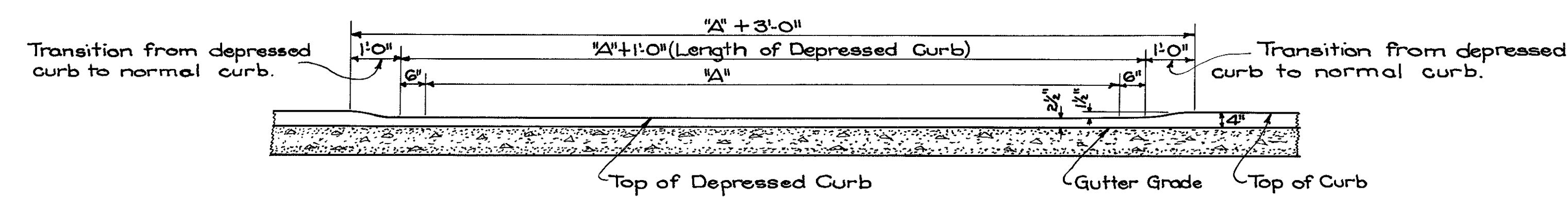
PLAN
DRIVES BETWEEN STA. 96+00 - STA. 107+00
PLAN
DRIVES BETWEEN STA. 0+00 - STA. 16+49.72



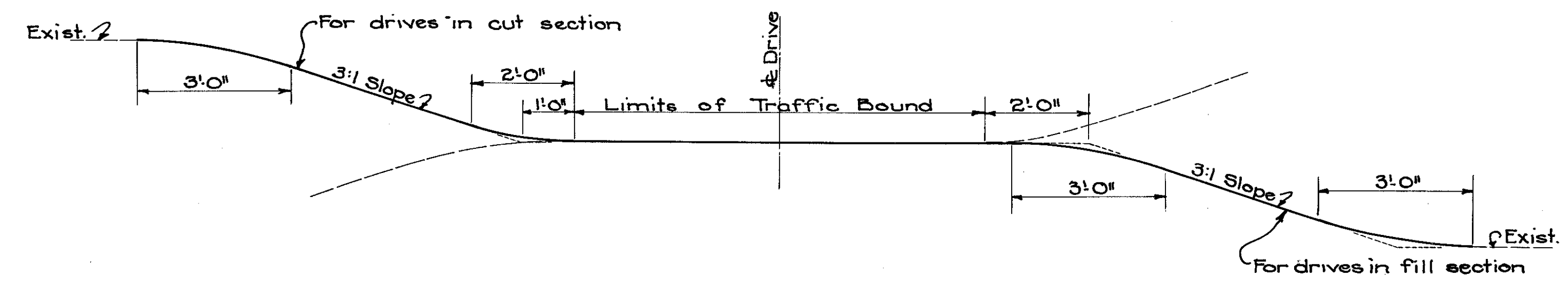
PROFILE ALONG ϵ OF DRIVES
BETWEEN STA. 96+00 - STA. 107+00



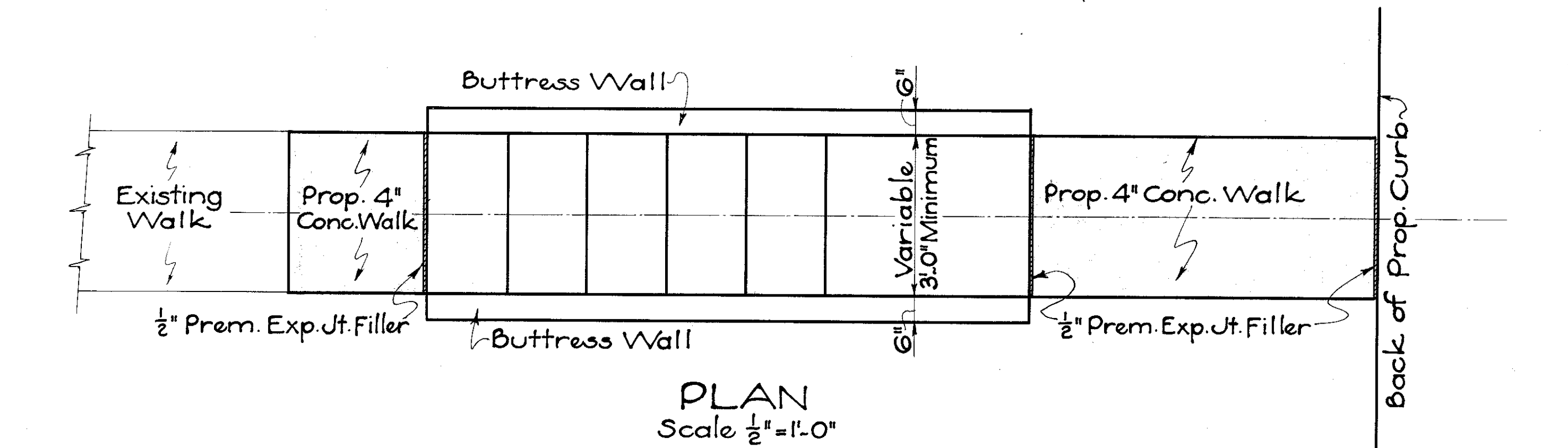
PROFILE ALONG ϵ OF DRIVES
BETWEEN STA. 0+00 - STA. 16+49.72



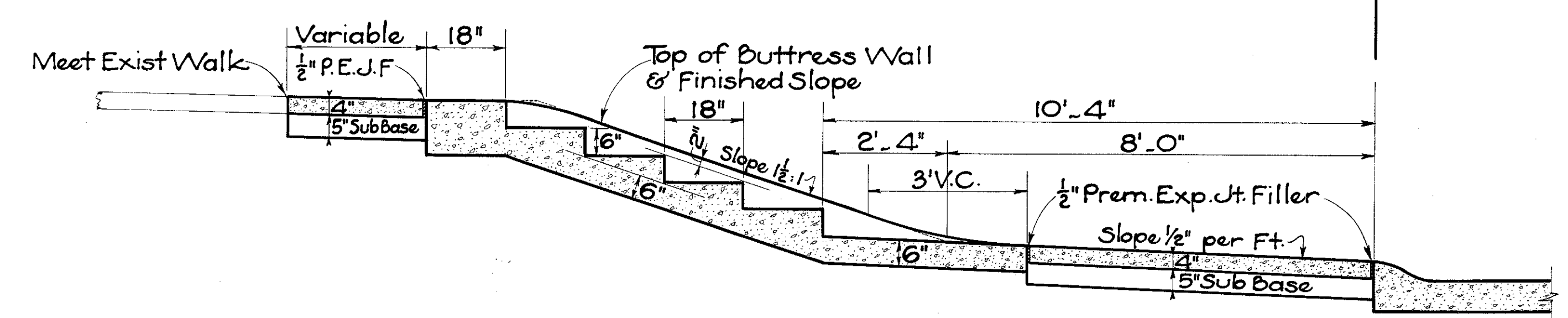
SECTION SHOWING DEPRESSED CURB
FOR DRIVES STA. 0+00 - 16+49.72 & STA. 96+00 - 107+00



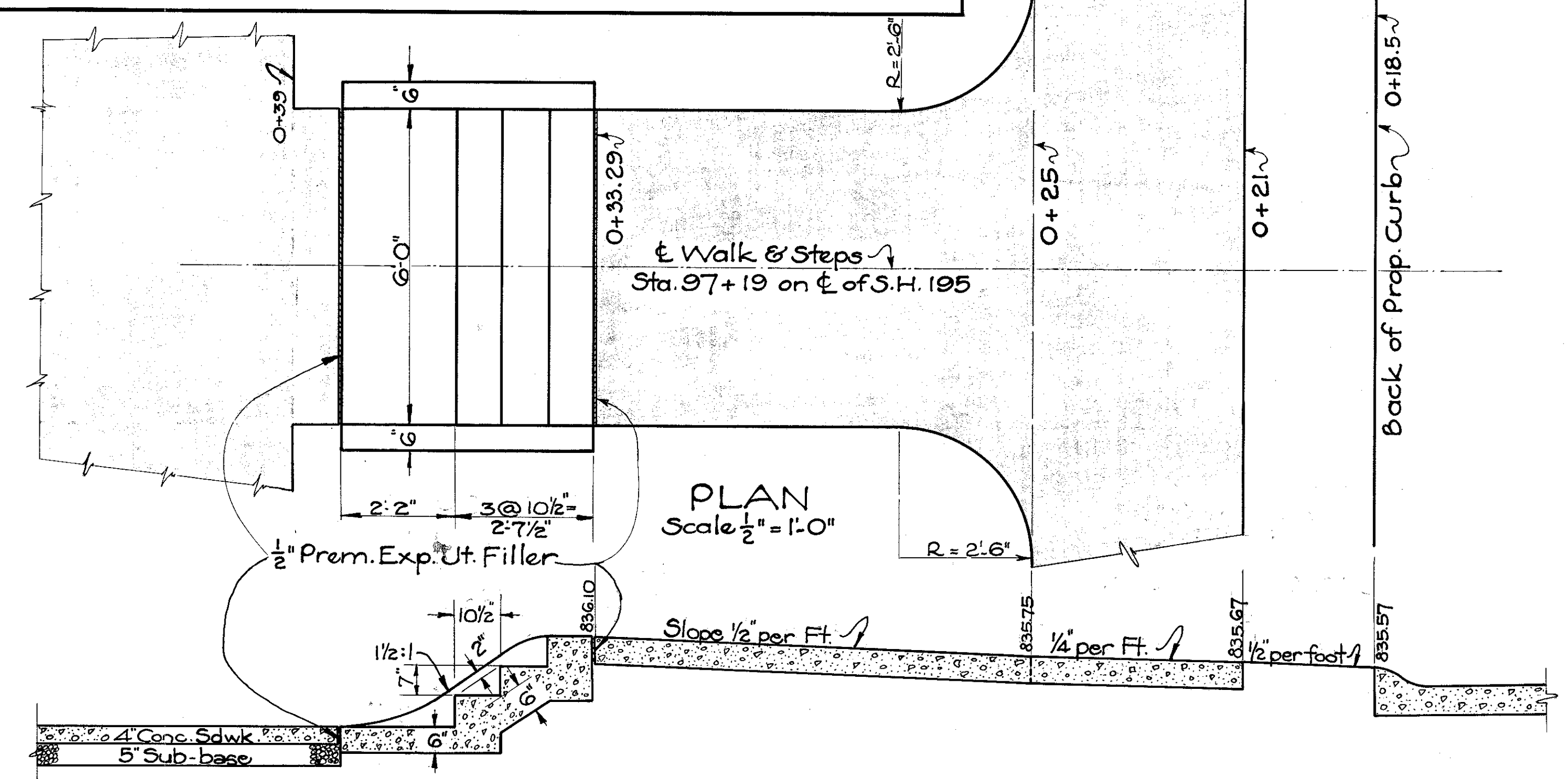
CROSS-SECTION
FOR DRIVES STA. 0+00 - 16+49.72 & STA. 96+00 - 107+00



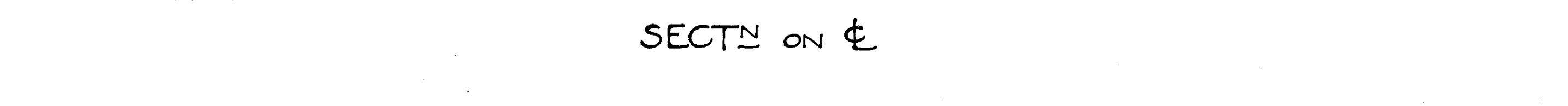
PLAN
Scale 1/2" = 1'-0"



SECTN ON ϵ

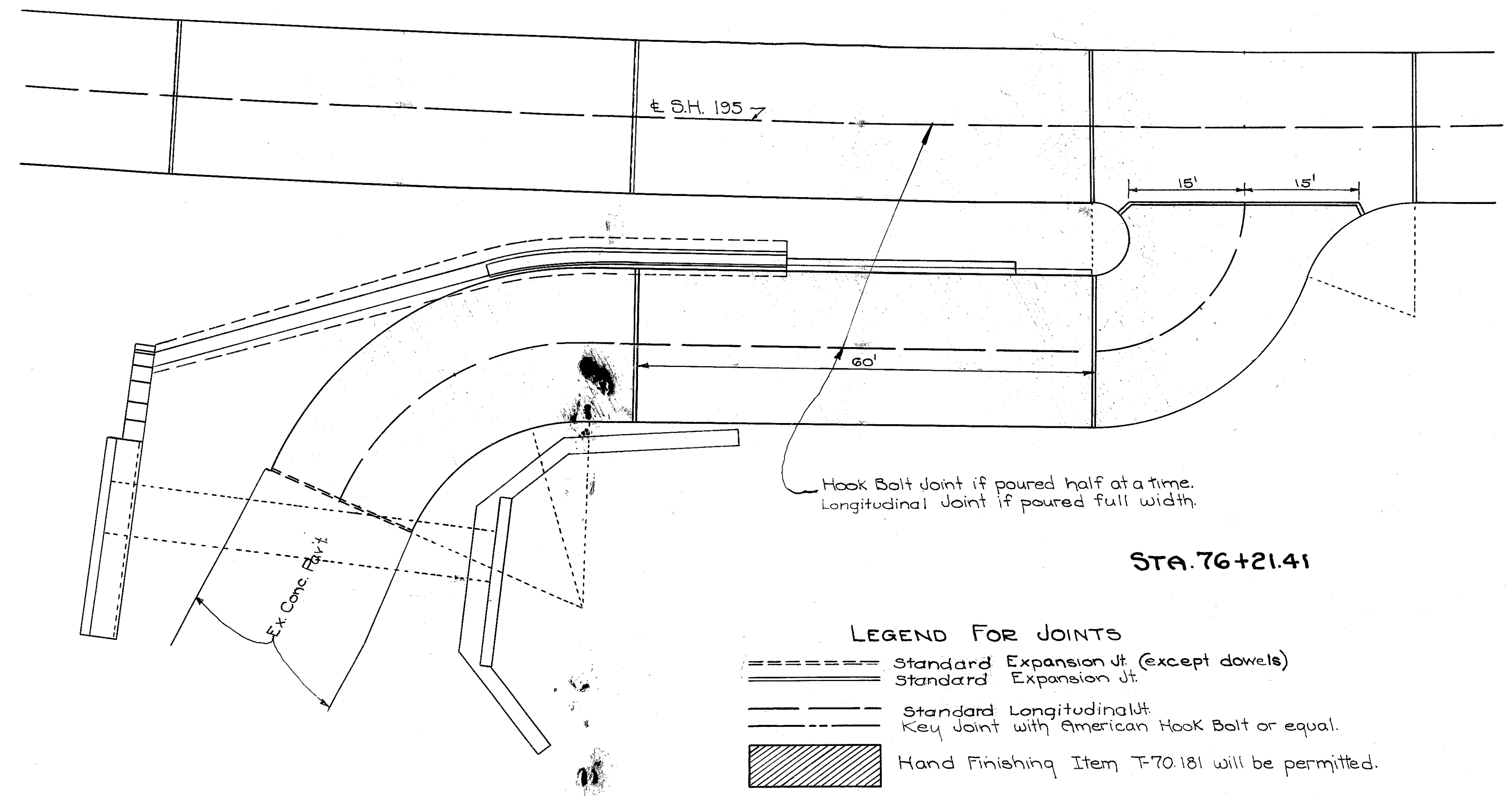
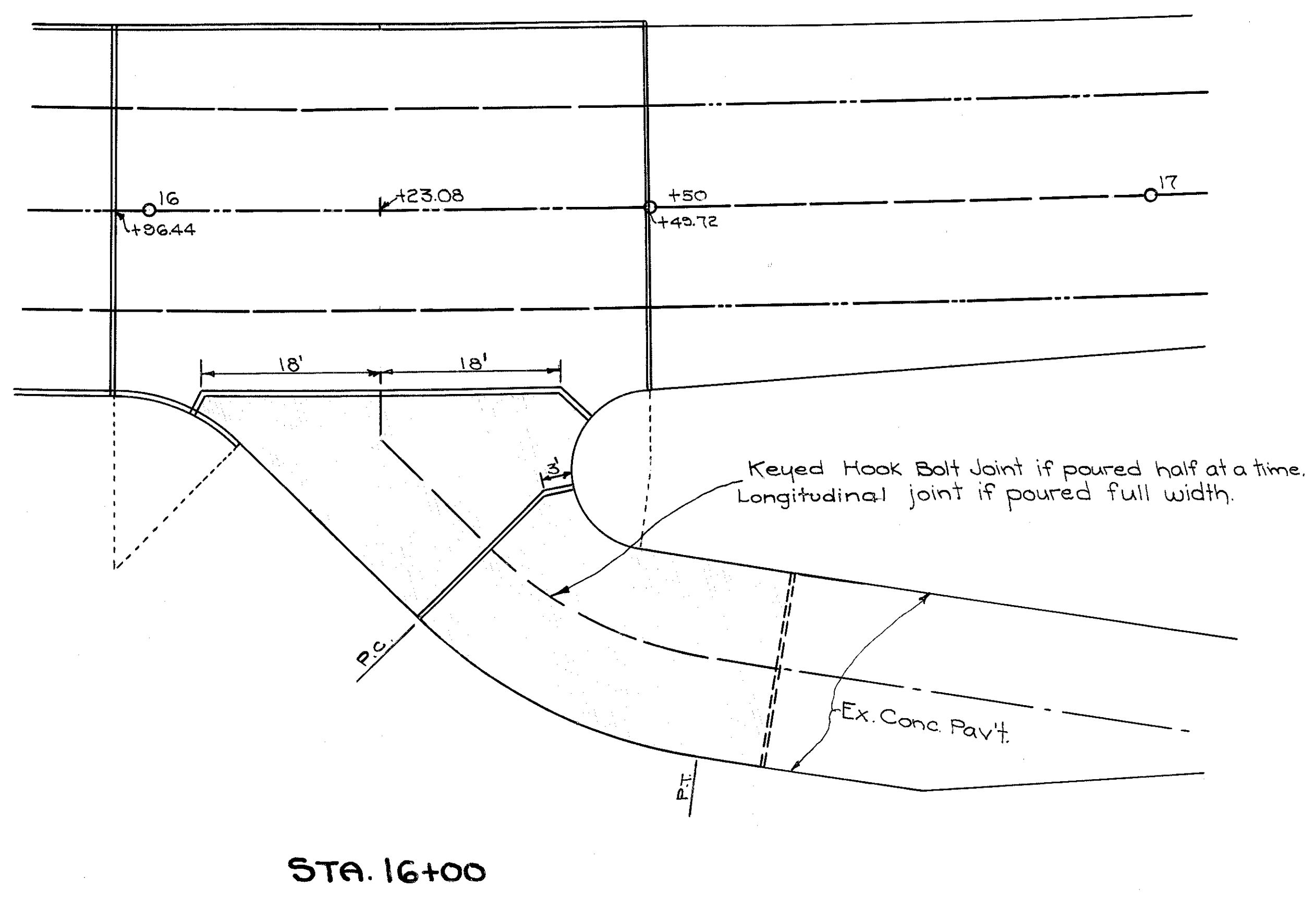
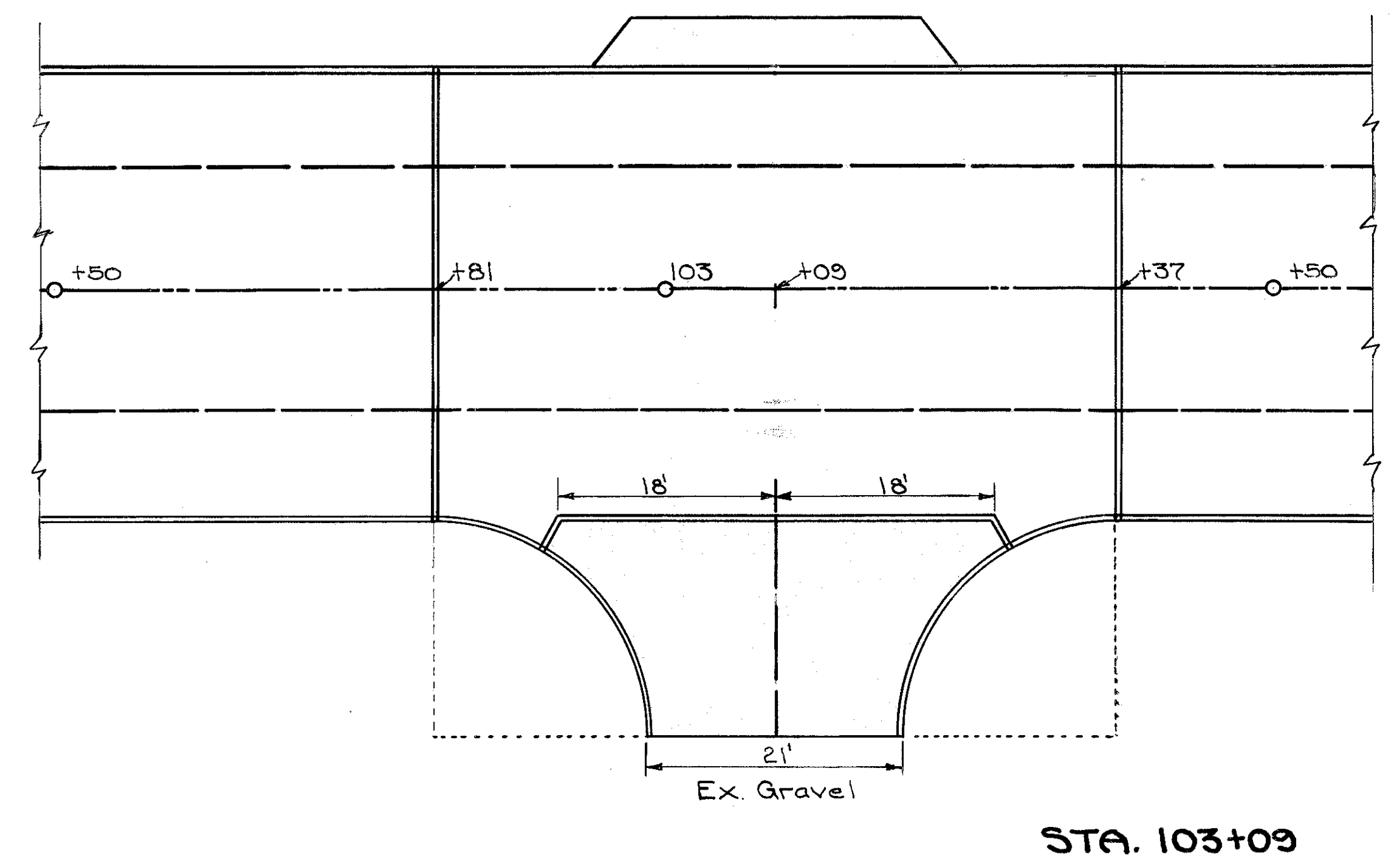
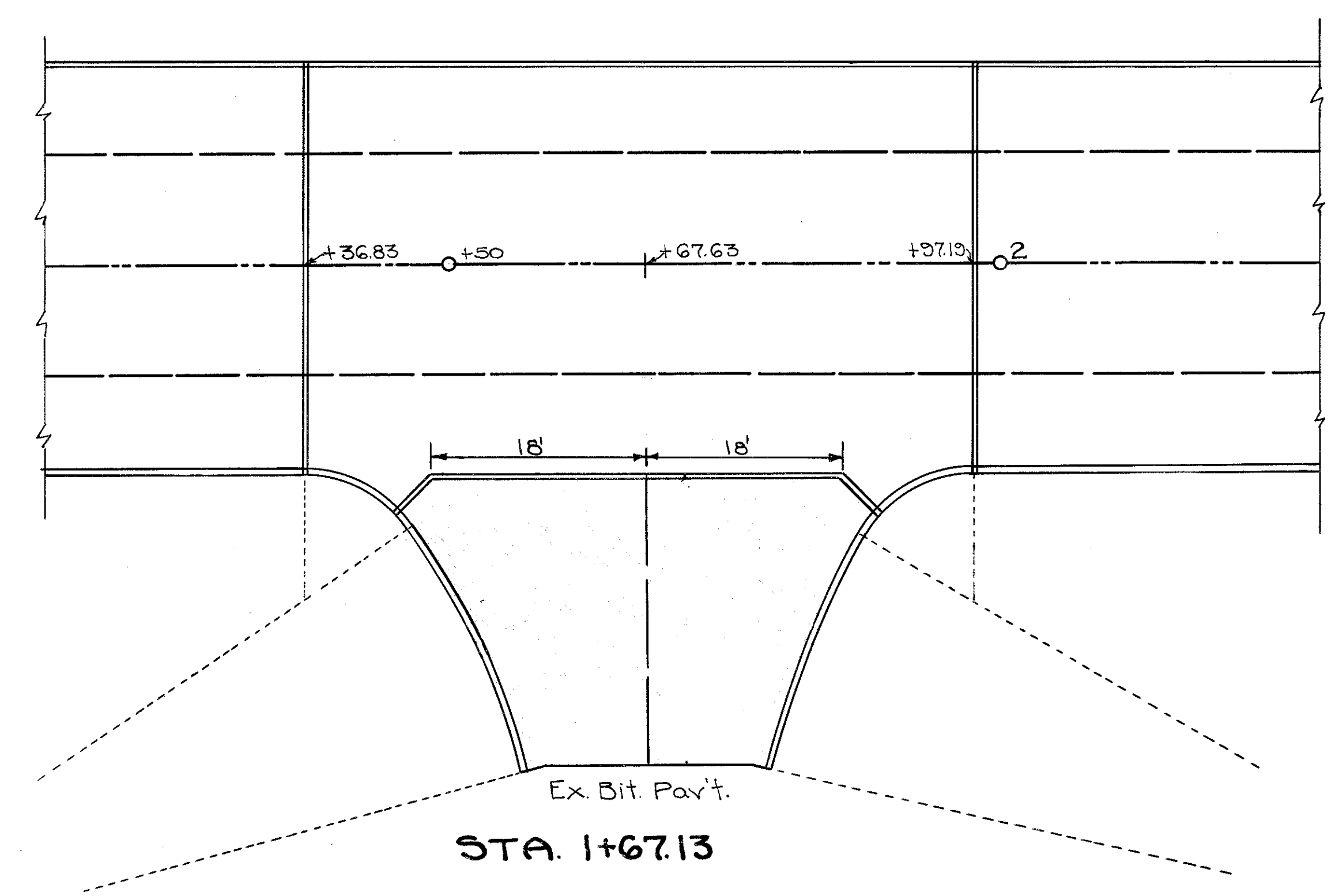


PLAN
Scale 1/2" = 1'-0"



SECTN ON ϵ

JOINT DETAILS FOR INTERSECTIONS



- LEGEND FOR JOINTS**
- ===== Standard Expansion Jt (except dowels)
 - ===== Standard Expansion Jt.
 - Standard Longitudinal Jt.
 - Key Joint with American Hook Bolt or equal.
 - Hand Finishing Item T-70.181 will be permitted.

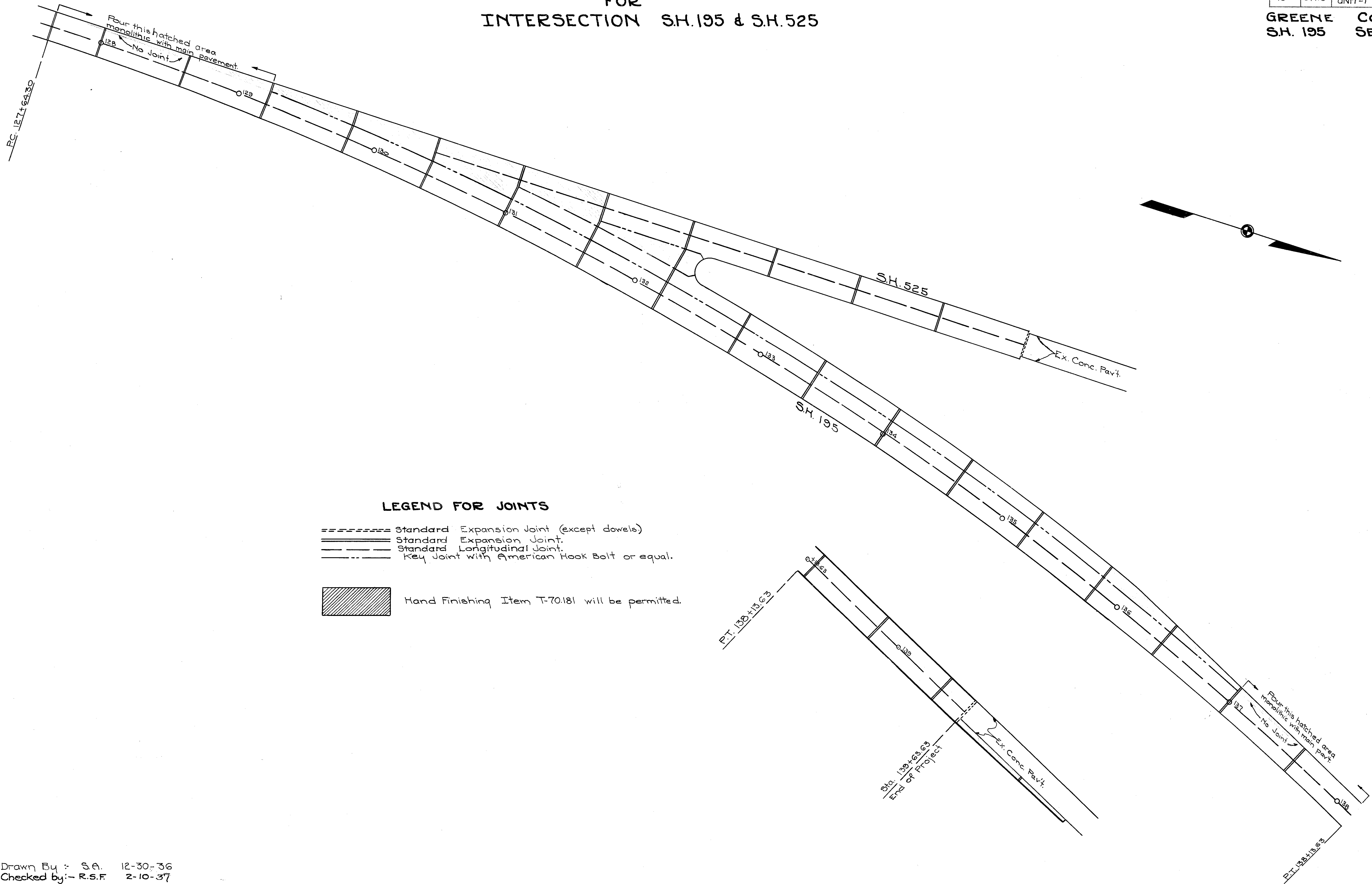
Drawn By:- S.A. 12-29-36
Checked By:- R.S.F. 2-10-37

JOINT DETAIL
FOR
INTERSECTION SH.195 & SH.525

FED. RD. DIST. NO.	STATE	FED. AID PROJECT	FISCAL YEAR
10	OHIO	335 RE. UNIT-1	1937

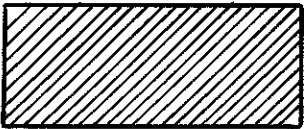
GREENE COUNTY
SH. 195 SEC. H & F Pt.

75
105



LEGEND FOR JOINTS

- ===== Standard Expansion Joint (except dowels)
- ==== Standard Expansion Joint.
- Standard Longitudinal Joint.
- Key Joint with American Hook Bolt or equal.



Hand Finishing Item T-70.181 will be permitted.

Drawn By :- S.A. 12-30-36
Checked by :- R.S.F. 2-10-37

FED. RD. DIST. NO.	STATE	FED. AID PROJECT	FISCAL YEAR
10	OHIO	339 RE UNIT-1	1037

GREENE COUNTY
S.H. 195 SEC. H, & F, (PT.)

TREE REMOVAL													
STA 44+00 TO STA 68+00													
ITEM E-9													
STATION	SIDE	9"	10"	12"	14"	15"	18"	20"	22"	24"	30"	36"	48"
56+94.5	Left	1											
57+06	"	1											
57+32.5	Rt			1									
57+35	Lt	1											
57+75	"			1									
58+05	"				1								
58+63	"	1											
58+64	"	1											
58+75	Rt	1								1			
58+84	"	1											
58+85	"		1										
58+90	Lt				1								
58+98	"	1											
59+11	"	1											
59+19.5	Rt			1									
59+20	Lt				1								
59+23.5	Rt	1											
59+29	Lt			1									
59+30.5	Rt				1								
59+57	"	1											
59+60	Lt					1							
59+67	"						1						
59+69.5	Rt							1					
59+73.5	Lt			1									
59+83.5	"												
59+97	"												1
60+00	"	1											
60+18	"		1										1
60+20	"	1											
60+30	"	1											
60+59	Rt												
60+62	Lt					1							
60+65	"												
60+94	"									1			
60+98	Rt	1											
61+02	Lt		1							1			
61+04.5	"		1										
61+07	"										1		
61+66.5	Rt											1	
61+77	Lt	1											
61+87	"	1											
62+00	"					1		2					
62+21	"						1						
62+50	"												
62+55	"												
63+08	"												
63+12	"												
63+22	"					1							
63+28	"	1											
64+30	"			1									
65+31	"								1				
66+04	"	1											
66+10	"									1			
66+21	"										1		
66+37	"							1					
66+53	"	1											
66+55	"					1							
66+58	"	1											
66+1.5	"			1									
669	"	1											
677	"	1											
671.5	"	1								1			
674.7	Lt					1							
76+01		1	23	10	2	9	12	2	4	3	3	1	1
TREE REMOVAL													
EAST OF RAILROAD R/W													
STA 55+24 TO STA 62+85													
STATION	SIDE	9"	10"	12"	14"	15"	18"	20"	22"	24"	30"	36"	48"
55+24				1									
420					1								
433												1	
430		1											
420							1						
455											1		
450									1				
468						1							
473							1						
478													1
483													1
486						1							
56+21		1											
423				1									
57+10												1	
429		1											
425		1											
427					1								
428.5				1									
430												1	
453									1				
457		1		1						1			
463													
469			1										
492				1									
58+28		1											
434													
434			1								1		
12+4										1			
496						1							
494		1											
495		1											
467											1		
492				1									
59+03													2
2+4		1											

TREE REMOVAL STA 68+00 TO STA 92+00														ITEM E-9			
STATION	SIDE	9"	10"	12"	14"	15"	18"	20"	22"	24"	26"	28"	30"	36"			
68+02.5	Left	/															
+43	"	/															
+61	"			/													
+70.5	"	/															
+77	"			/													
+79	"	/															
+89	"	/															
69+03	"	/															
+25.5	"			/													
+60.5	"													/			
+73	"	/															
+82	"			/													
70+37	"	/															
+53	"			/													
+62	"	/															
+77	"			/													
+85	"									/							
+89	"									/							
+96	"						/										
71+13	"			/													
+16	"	/															
+19	"			/													
+28	"			/													
+34	"	/															
+35	"			/						/							
+36	"																
+49	"			/													
+50	"									/							
+60	"	/															
+65.5	"	/															
+71	"			/													
+75	"			/													
+77	"					/											
+81	"		/														
+83.5	"	/															
+86.5	"								/								
+88	"					/											
72+12	"	/															
+15	"	/															
+21	"			/						/							
+32	"					/						/					
+41	"						/										
+45.5	"									/							
+47	"	/															
+61	"											/					
+72.5	"	/															
73+21	"	/															
74+28	"							/						/			
+50	"																
76+13	"					/											
+12.5	"			/													
76+41		/	19	8	6	1	4	2	1	4	2	2	1	1			

GREENE COUNTY
S.H. 195 SEC. "H & F (Pt.)"

CULVERT DATA

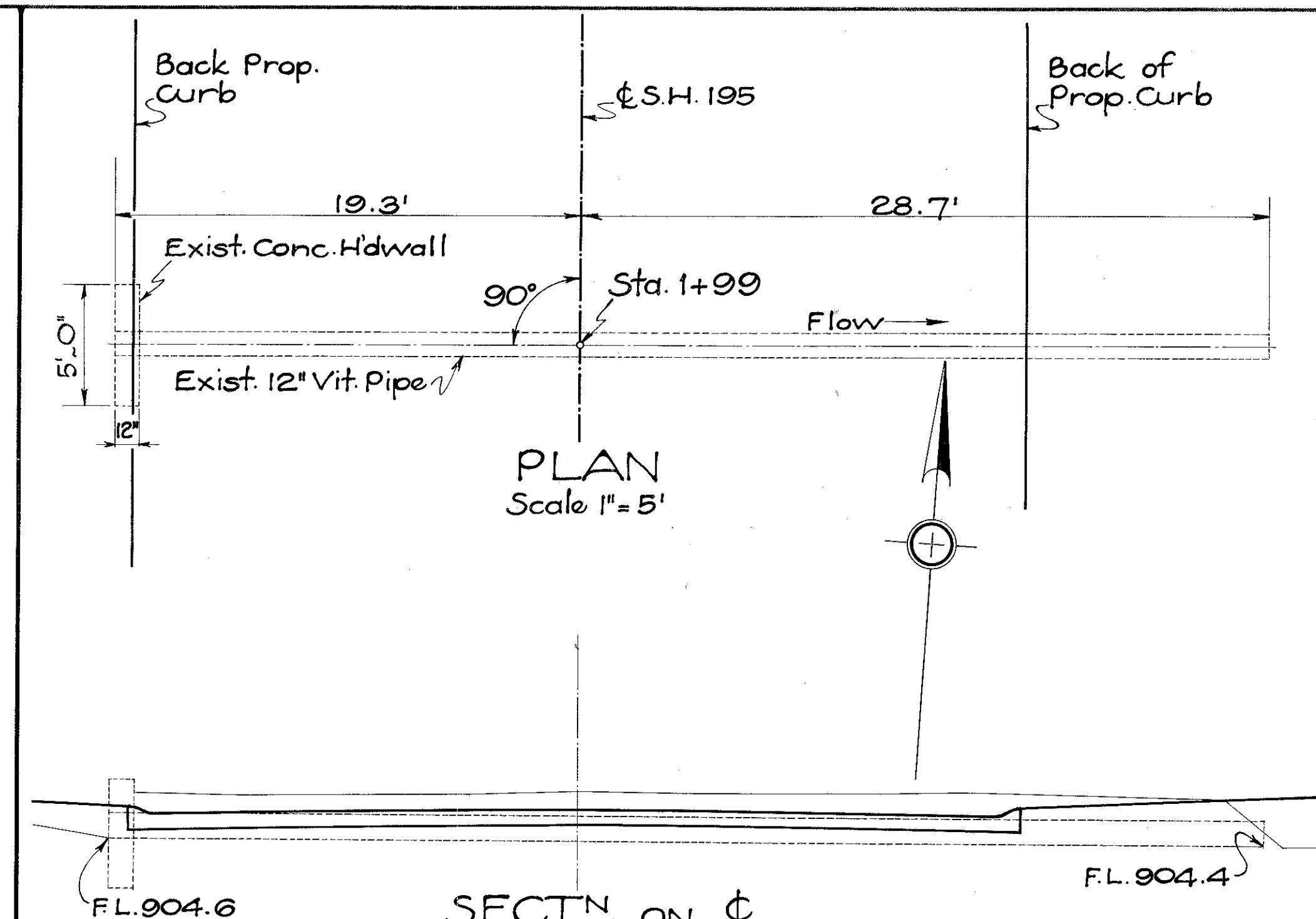
TYPE: Existing Vitrified Pipe.

SIZE: 12" x 48'

WORK REQ'D: Remove & Store Existg 12" x 48' Vit. Pipe. Remove Existg Concrete Hdwall on Left.

EST. QUANTITIES

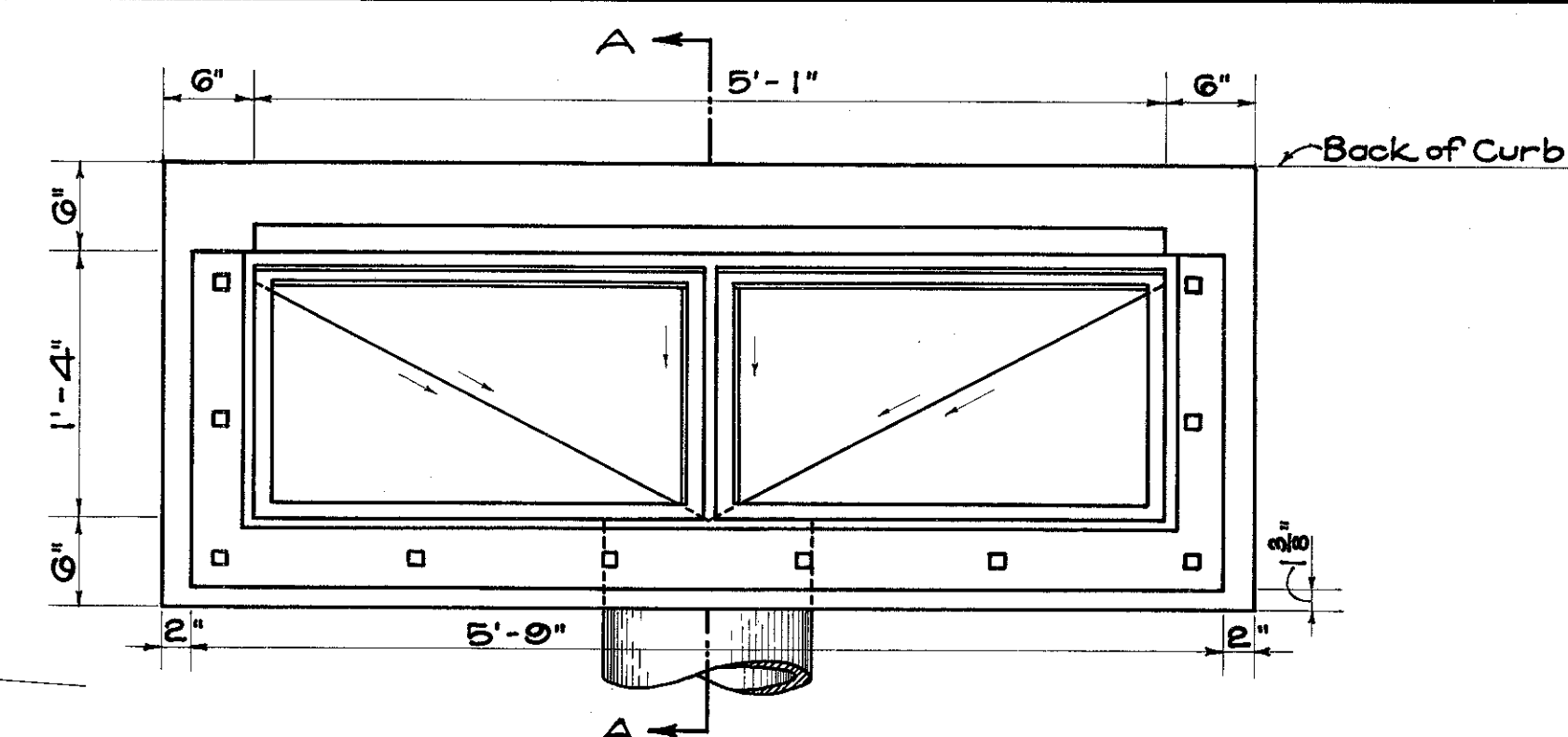
Remove & Store Exist. 12" Vitrified Pipe..... 48 Lin. Ft.
Removal of Exist. Headwall (Item Special)..... 1 Each



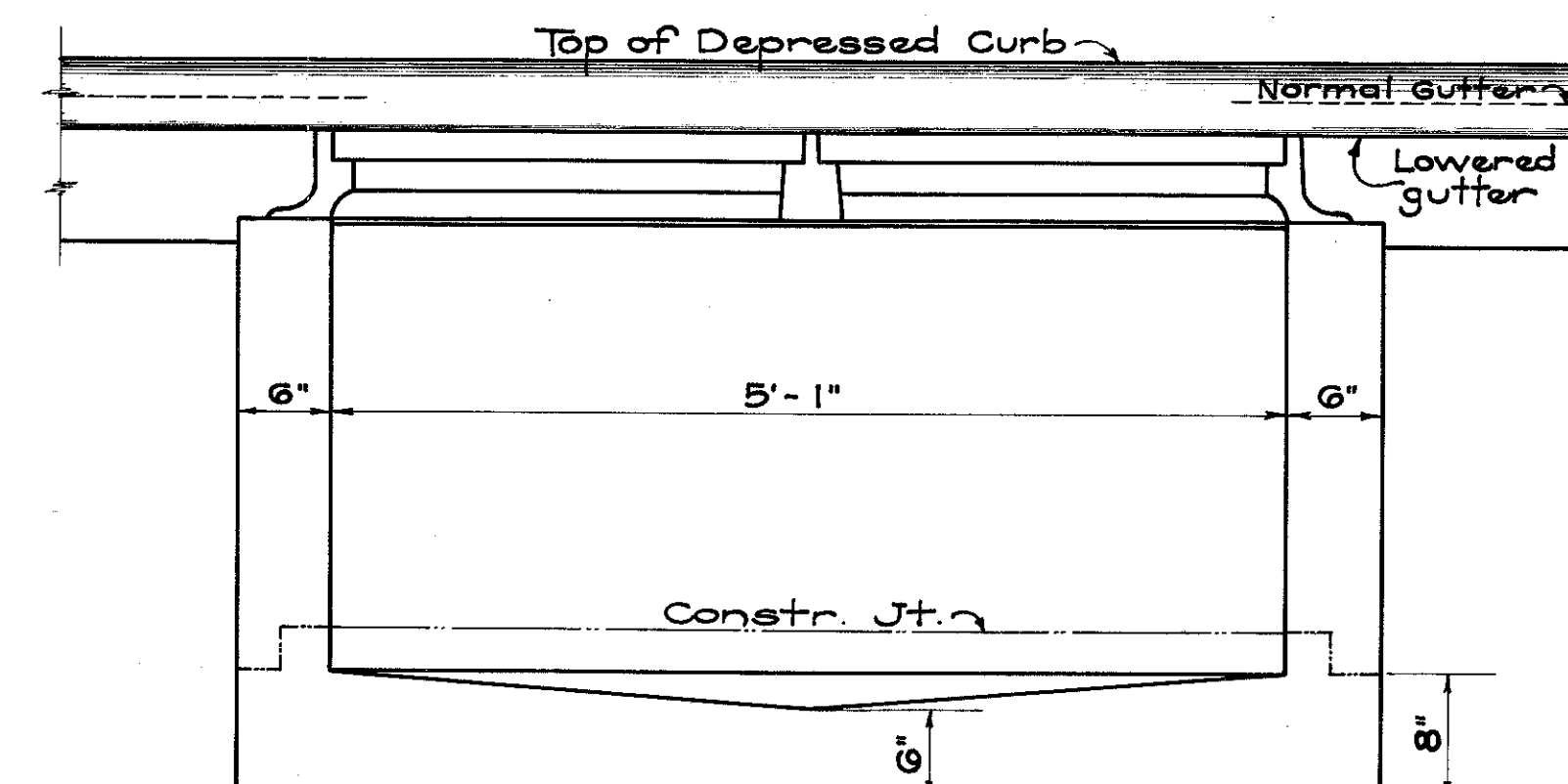
PLAN
Scale 1" = 5'

Drawn By: J.P.M. 1-29-37
Checked By: O.T.M. 1-29-37

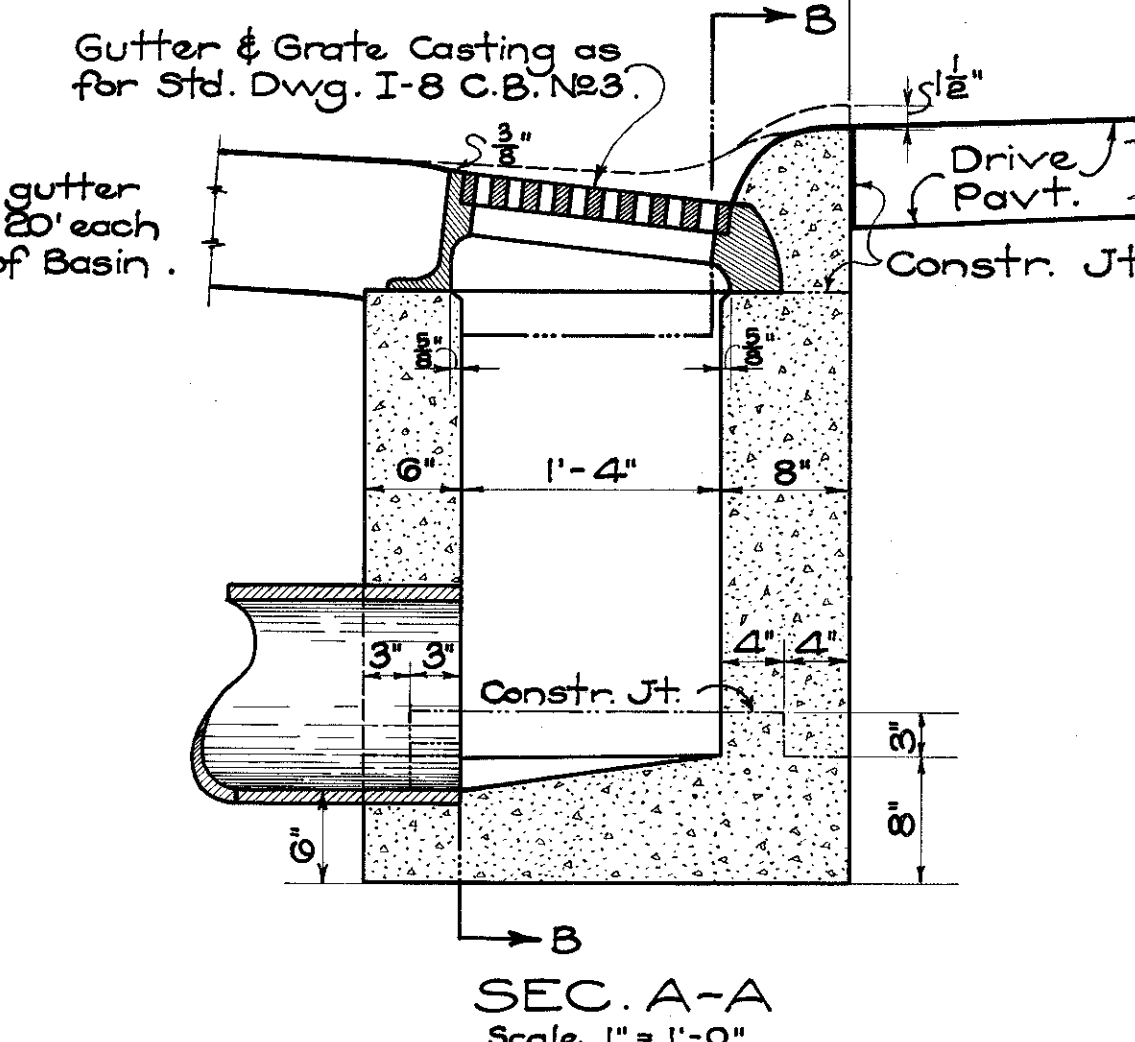
**STA. 1+99 - EXIST. 12" V.S.P.
(To Be Removed) ①**



PART PLAN - GUTTER FRAME IN PLACE

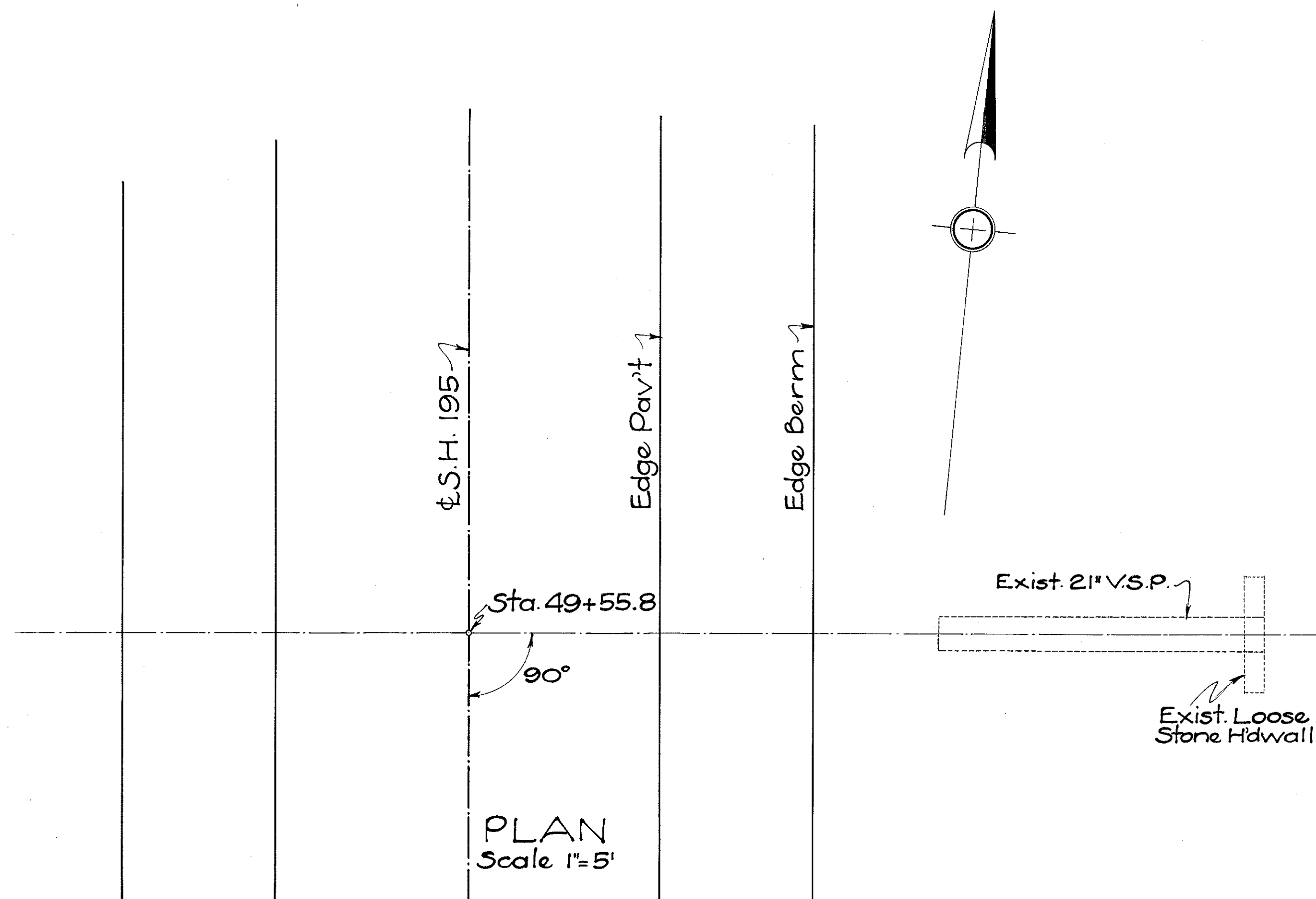


VIEW B-B
Scale 1" = 1'-0"



SEC. A-A
Scale 1" = 1'-0"

**DETAILS OF CATCH BASIN No 3-B (AS PER PLANS)
FOR USE WITH DEPRESSED CURB.**



PLAN
Scale 1" = 5'

CULVERT DATA

TYPE: Existg Vitrified Pipe

SIZE: 21" x 17'

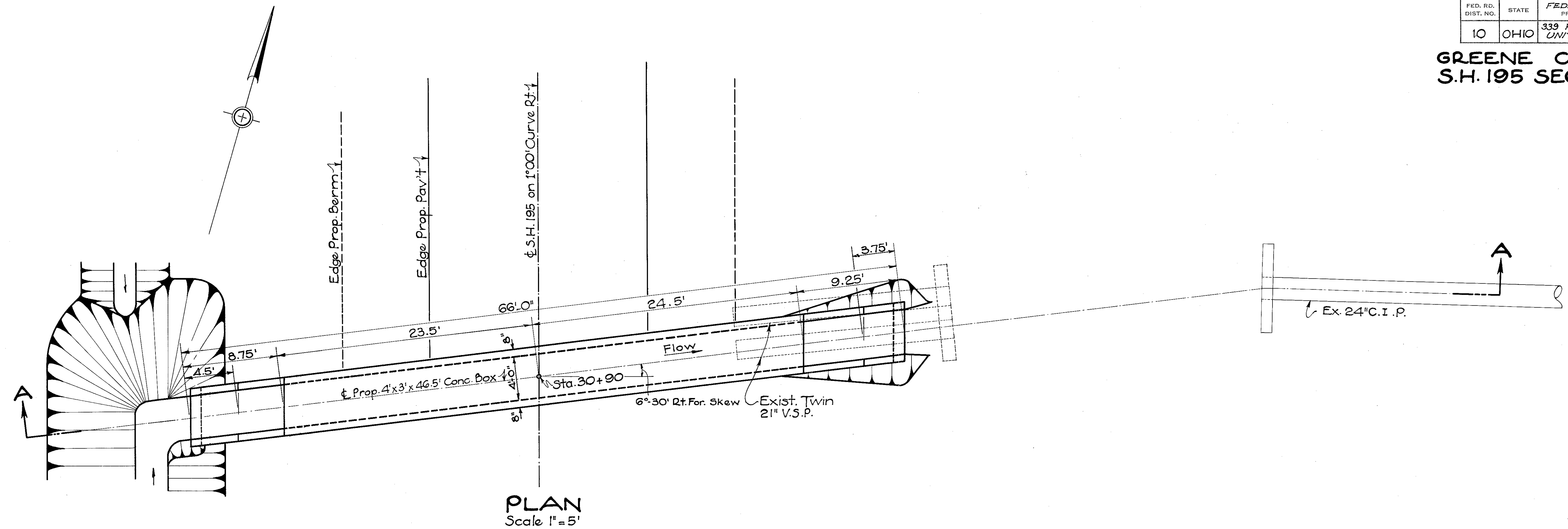
WORK REQ'D: Remove & Store Existg 21" x 17' Vit. Pipe.
Remove Existg Loose Stone Hdwall on Right.

EST. QUANTITIES

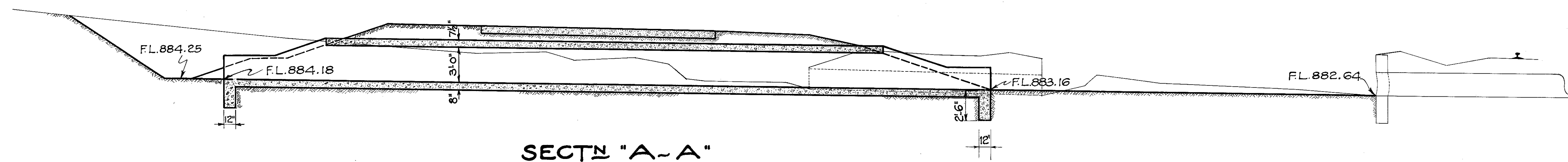
Remove & Store Existg 21" Vit. Pipe (Item I-6)..... 17 Lin. Ft.
Removal of Existg Headwall (Item Special)..... 1 Each

**STA. 49+55.8 - EXIST. 21" V.S.P.
(To Be Removed) ④**

Drawn By: C.C.R. 1-14-37
Checked By: O.T.M. 1-15-37



PLAN
Scale 1" = 5'



SECTN "A-A"

CULVERT DATA

TYPE: Std. Reinf. Conc. Box Culvert (Std. Drwg. SBC-34)

SIZE: 4.0' x 3.0' x 48.0'

WORK REQ'D: Remove & Store Exist. 21" Corr. M. Pipes, &
Remove Exist. Loose Stone Hdwall on Rt.
Build New 4.0' x 3.0' x 48.0' Std. Conc. Box
Culvert.

ESTIMATED QUANTITIES -

Excavation (Item E-2)	43	Cu. Yd.
Concrete (1:5½ Mix) (Item S-1)	24.5	Cu. Yd.
Reinf. Steel (Item S-4)	2476	Lb.
Remove & Store Exist. 21" Corr. M. Pipes (2 @ 20')	40	Lin. Ft.
Remove Exist. Loose Stone Hdwall (Item Spec.)	1	Each

STEEL LIST

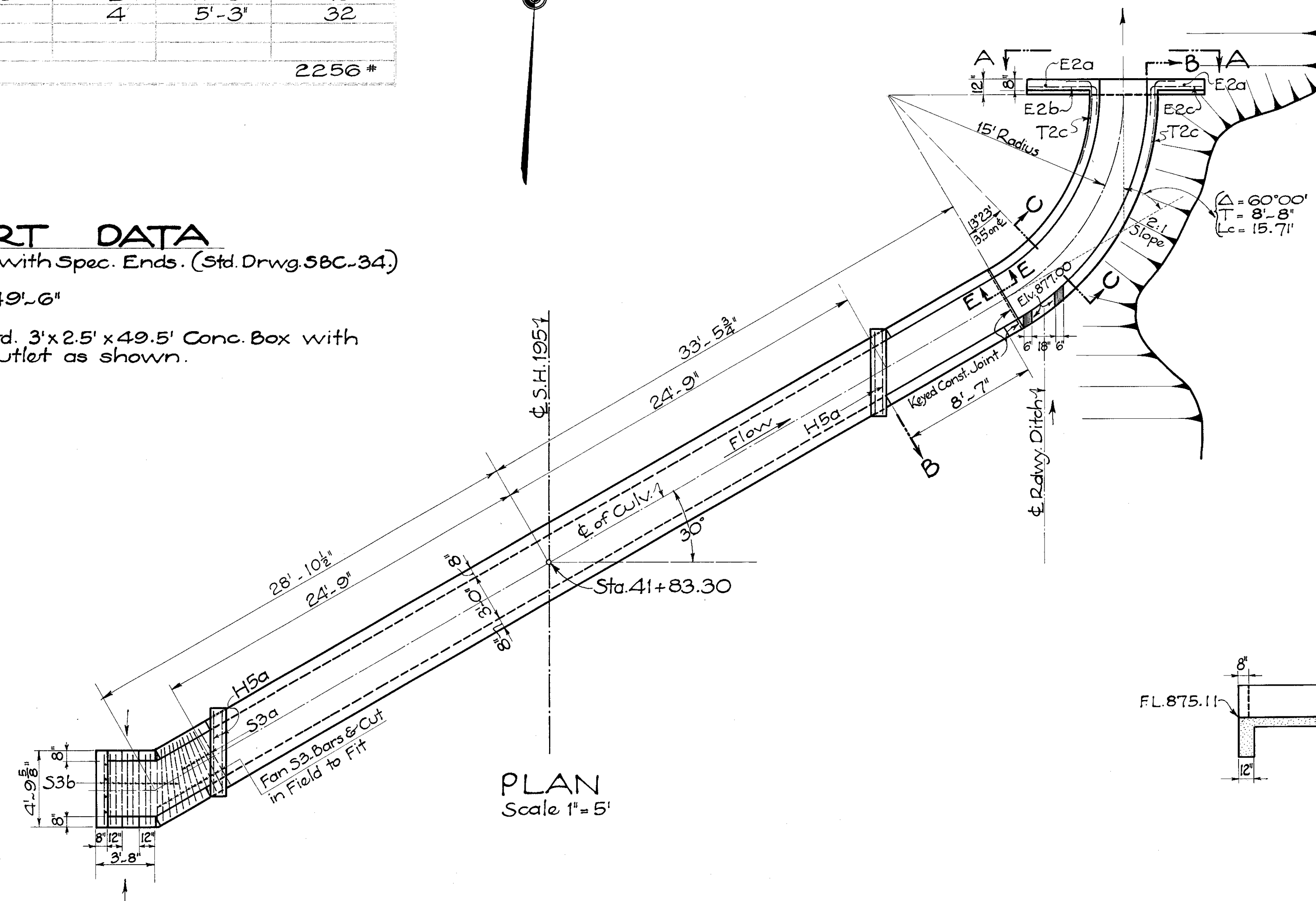
MARK	SIZE	SHAPE	SPACING	Nº REQ'D	LENGTH	WEIGHT
S4a	5/8"φ	Strt.	5"	278	5'-1"	1475 #
W2a	1/2"φ	"	12"	132	4'-0"	352
T2a	1/2"φ	"	12"	8	25'-0"	133
T2b	1/2"φ	Bend in Field	12"	30	23'-9"	476
C2a	1/2"φ	"	12"	12	3'-3"	26
C2b	1/2"φ	Strt.	12"	4	5'-1"	14

TOTAL = 2476 #

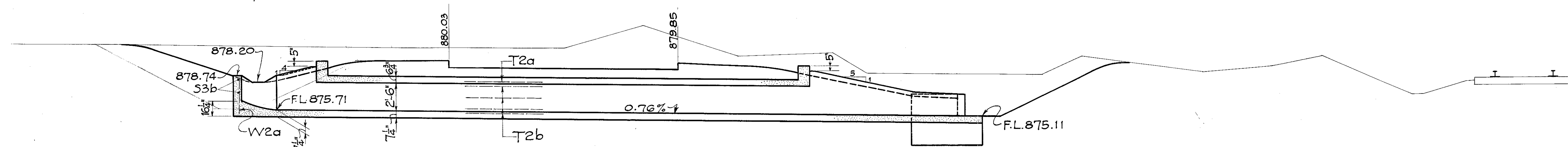
STEEL LIST						
MARK	SIZE	SHAPE	SPACING	Nº REQ'D	LENGTH	WEIGHT
S3a	1/2"	Strt.	4 1/2"	297	4'-1"	1032
S3b	"	"	4 1/2"	16	4'-6"	61
S2a	1/2" φ	"	12"	16	4'-1"	44
W2a	"	"	12"	136	3'-6"	318
W2b	"	Bend in Field	12"	16	8'-6"	91
T2a	"	Strt.	12"	6	25'-6"	102
T2b	"	"	12"	27	23'-8"	427
T2c	"	Bend in Field	12"	7	19'-3"	90
E2a	"	Strt.	"	2	4'-3"	6
E2b	"	Bend in Field	6"	4	5'-6"	15
E2c	"	"	6"	4	4'-6"	12
E2d	"	"	12"	5	3'-3"	11
E2e	"	Strt.	12"	2	11'-0"	15
H5a	3/4" φ	"	"	4	5'-3"	32
Total =					2256 #	

ESTIMATED QUANTITIES		
Excavation	85	Cu. Yd.
Concrete (1:5 1/2 Mix)	25.1	" "
Reinf. Steel	2256	Lb.

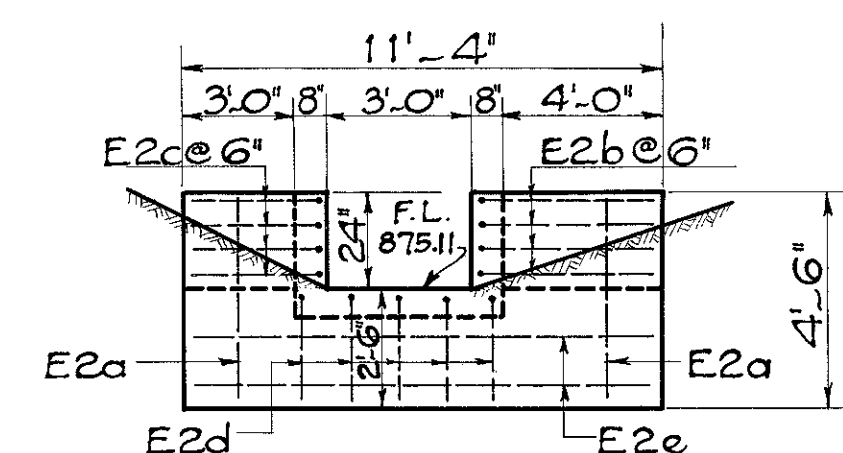
CULVERT DATA
 TYPE: Std. Conc. Box with Spec. Ends. (Std. Drwg. SBC-34.)
 SIZE: 3'-0" x 2'-6" x 49'-6"
 WORK REQ'D: Build Std. 3' x 2.5' x 49.5' Conc. Box with Special Inlet & Outlet as shown.



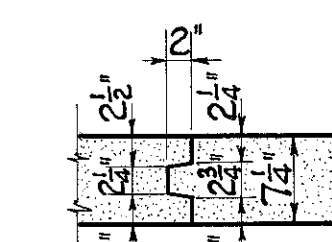
PLAN
Scale 1" = 5'



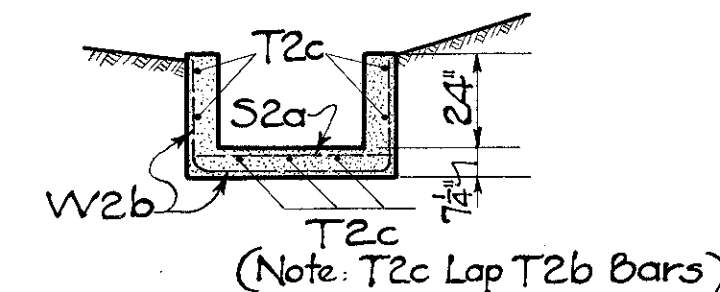
SECTION ON C. OF CULV.



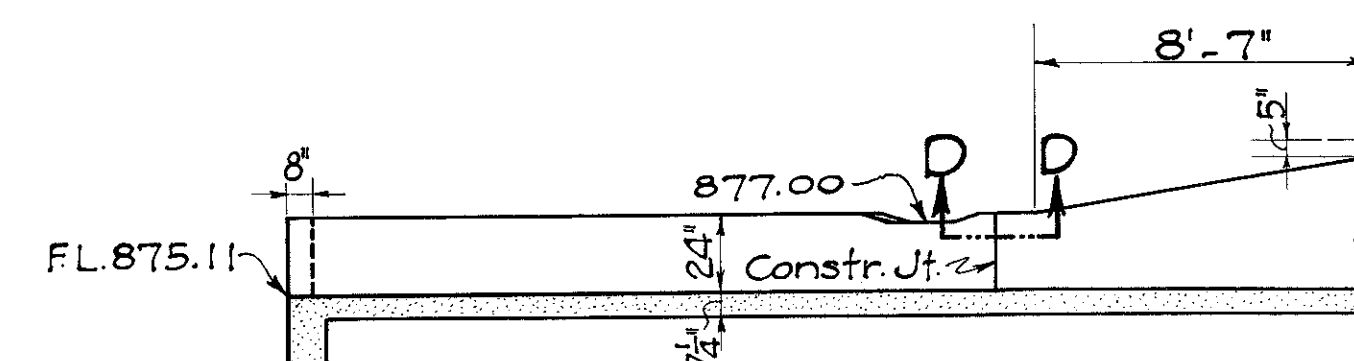
END VIEW A-A
Scale 1/4" = 1'



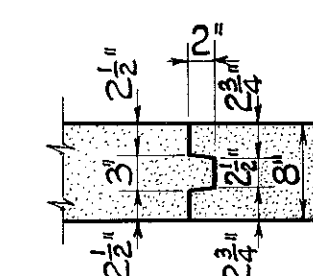
SEC. E-E
Scale 3/4" = 1'



SEC. C-C
Scale 1/4" = 1'



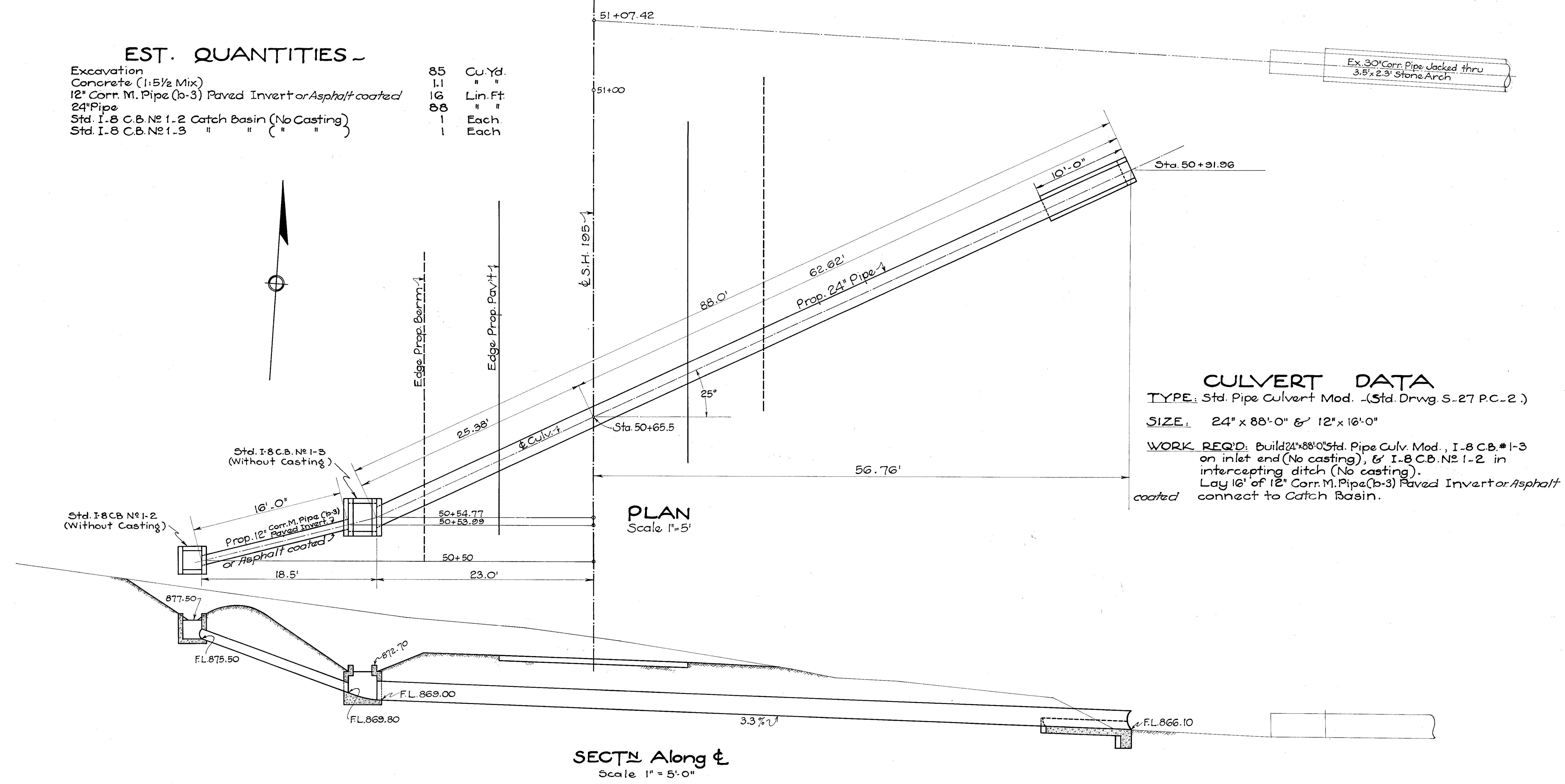
VIEW B-B
Scale 1" = 5'



SEC. D-D
Scale 3/4" = 1'

EST. QUANTITIES -

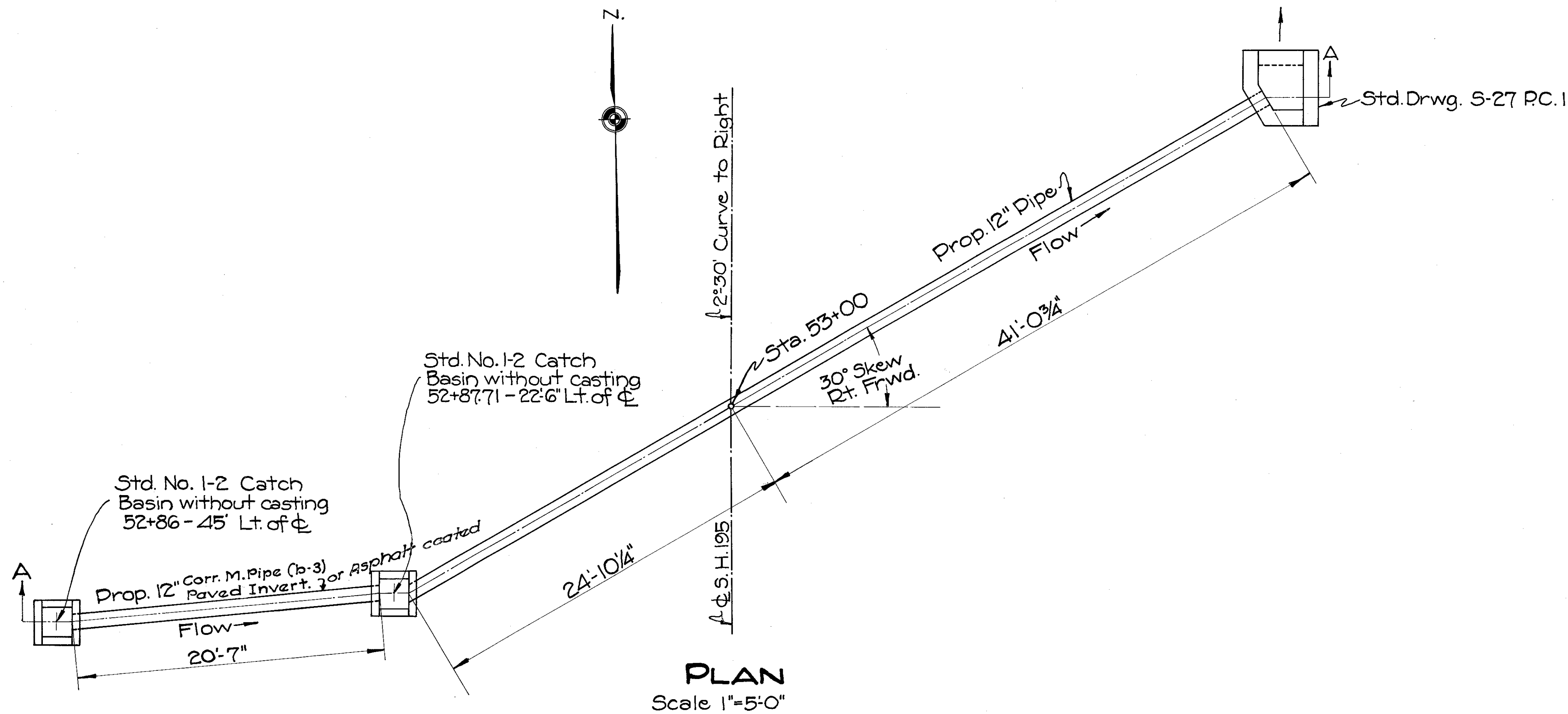
Excavation	85	Cu. Yd.
Concrete (1:5½ Mix)	1.1	" "
12" Corr. M. Pipe (b-3) Paved Invert or Asphalt coated	16	Lin. Ft.
24" Pipe	88	" "
Std. I-8 C.B. No 1-2 Catch Basin (No Casting)	1	Each
Std. I-8 C.B. No 1-3 " " " "	1	Each



CULVERT DATA
 TYPE: Std. Pipe Culvert Mod. (Std. Drwg. S-27 P.C.-2.)
 SIZE: 24" x 88'-0" & 12" x 16'-0"
 WORK REQ'D: Build 24"x88'-0" Std. Pipe Culv. Mod., I-8 C.B. #1-3 on inlet end (No casting), & I-8 C.B. No 1-2 in intercepting ditch (No casting). Lay 16' of 12" Corr. M. Pipe (b-3) Paved Invert or Asphalt coated connect to Catch Basin.

Drawn By: C.C.R. 1-16-37
 Checked By: J.P.M. 1-29-37
 " O.T.M. 1-30-37

GREENE COUNTY
S.H. 195 SEC. "H & F (PT.)"

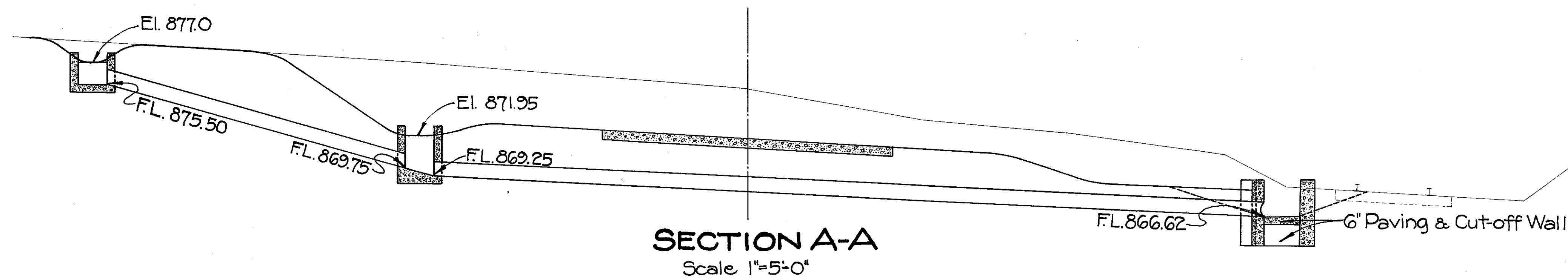


CULVERT DATA

Type: Std. Pipe Culvert (Std. Drwg. S-27 P.C. 1 & I-8 C.B. No. 1-2)
Size: 12" x 88'-6"
Work Required: Build Std. 12" x 88'-6" Pipe Culvert with Std. No. 1-2 Catch Basins at Inlet & Std. Headwall at Out-let End.

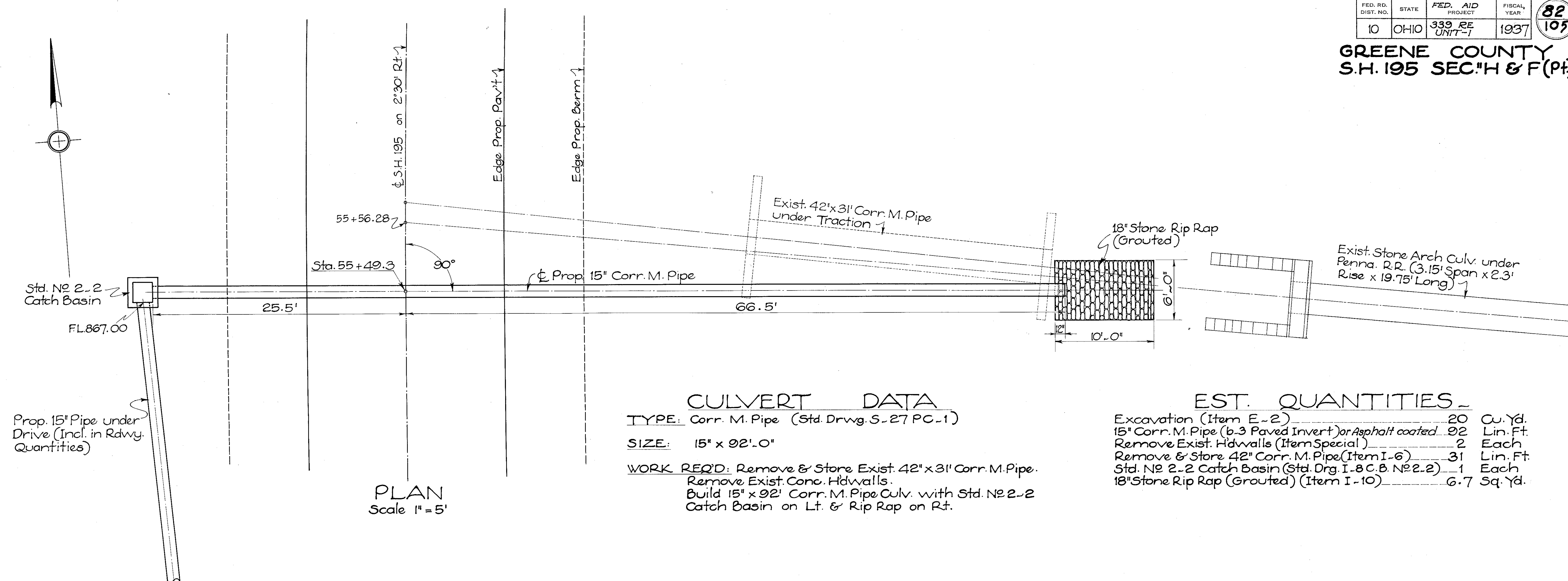
ESTIMATED QUANTITIES

Excavation (Item E-2)	51. Cu. Yd.
12" Pipe for Culvert (Item S-27)	66 Lin. Ft.
Concrete 1:5 1/2 Mix (Item S-1)	2.2 Cu. Yd.
Reinforcing Steel (Item S-4)	23. Lb.
I-8 C.B. No. 1-2 (without casting) (Item I-8)	2. Each
12" Corr. M. Pipe (b-3) Paved Invert or Asphalt coated	22 Lin. Ft.



STD. PIPE CULVERT
STA. 53+00 (6)

GREENE COUNTY
S.H. 195 SEC. "H & F" (Pt.)



PLAN
Scale 1" = 5'

CULVERT DATA

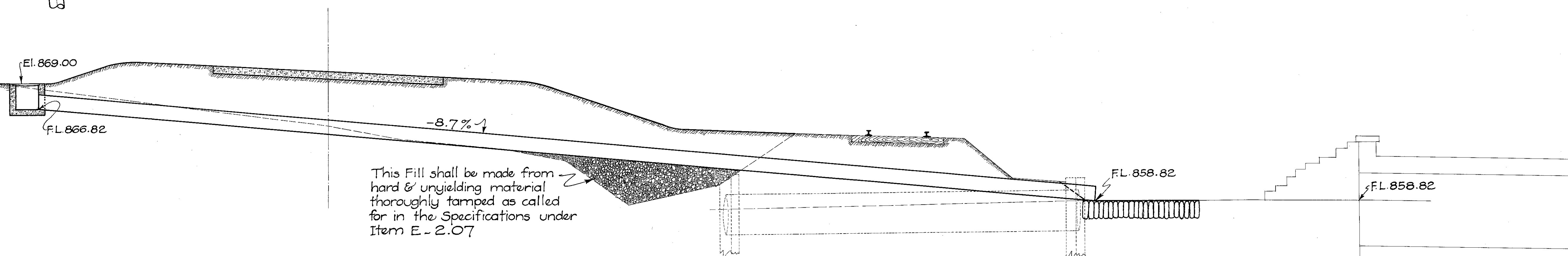
TYPE: Corr. M. Pipe (Std. Drwg. S-27 PC-1)

SIZE: 15" x 92'-0"

WORK REQ'D: Remove & Store Exist. 42" x 31" Corr. M. Pipe.
Remove Exist. Conc. Hdwalls.
Build 15" x 92' Corr. M. Pipe Culv. with Std. No 2-2
Catch Basin on Lt. & Rip Rap on Rt.

EST. QUANTITIES

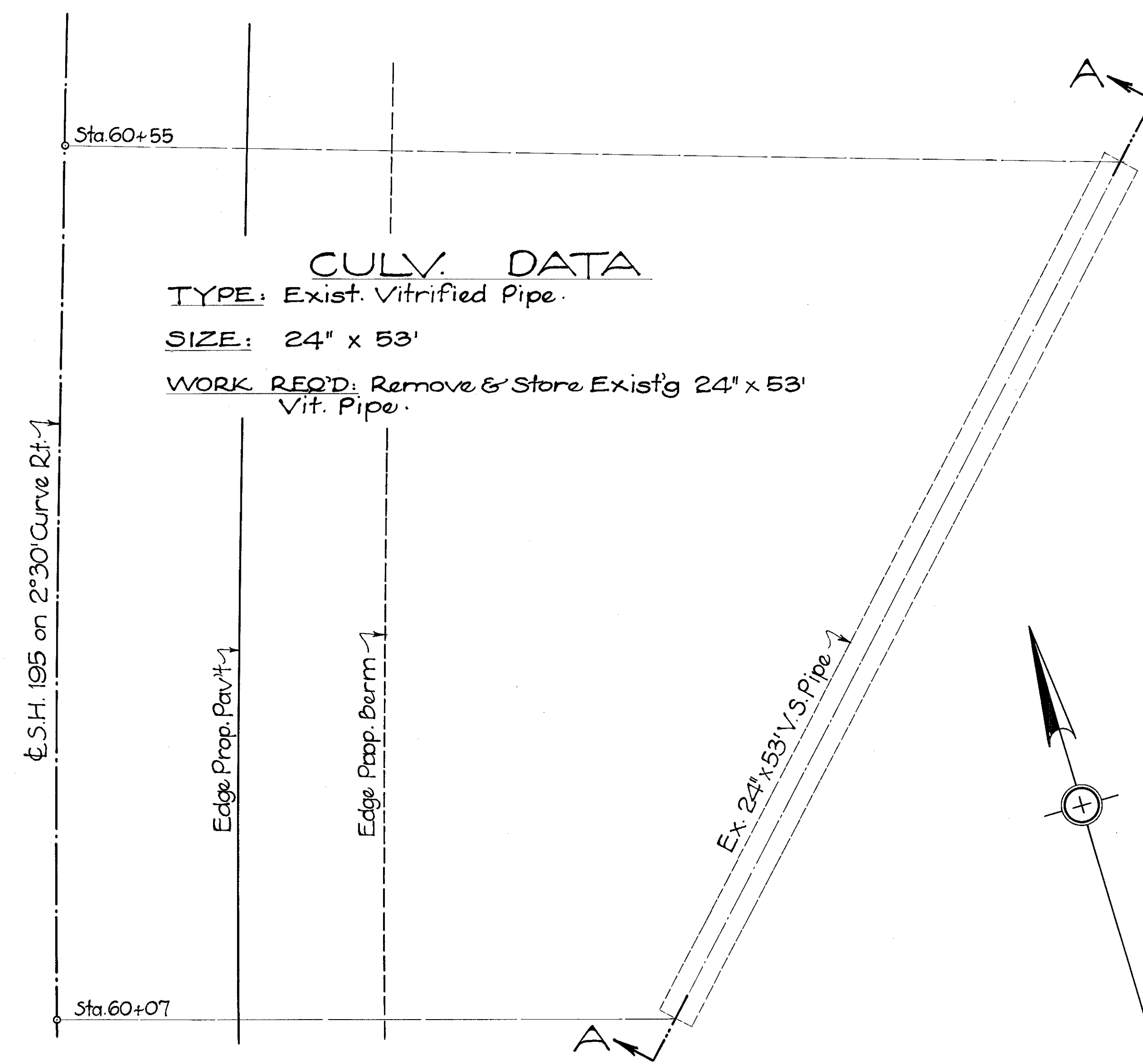
Excavation (Item E-2)	20	Cu. Yd.
15" Corr. M. Pipe (b-3 Paved Invert) or Asphalt coated	92	Lin. Ft.
Remove Exist. Hdwalls (Item Special)	2	Each
Remove & Store 42" Corr. M. Pipe (Item I-6)	31	Lin. Ft.
Std. No 2-2 Catch Basin (Std. Org. I-8 C.B. No 2-2)	1	Each
18" Stone Rip Rap (Grouted) (Item I-10)	6.7	Sq. Yd.



SECTN ON C OF CULV.

GREENE COUNTY
S.H. 195 SEC. "H & F (Pt.)"

EST. QUANTITIES
Remove & Store Ex. 24" Vit. Pipe 53 Lin. Ft.



PLAN
Scale 1" = 5'

SEC. A-A

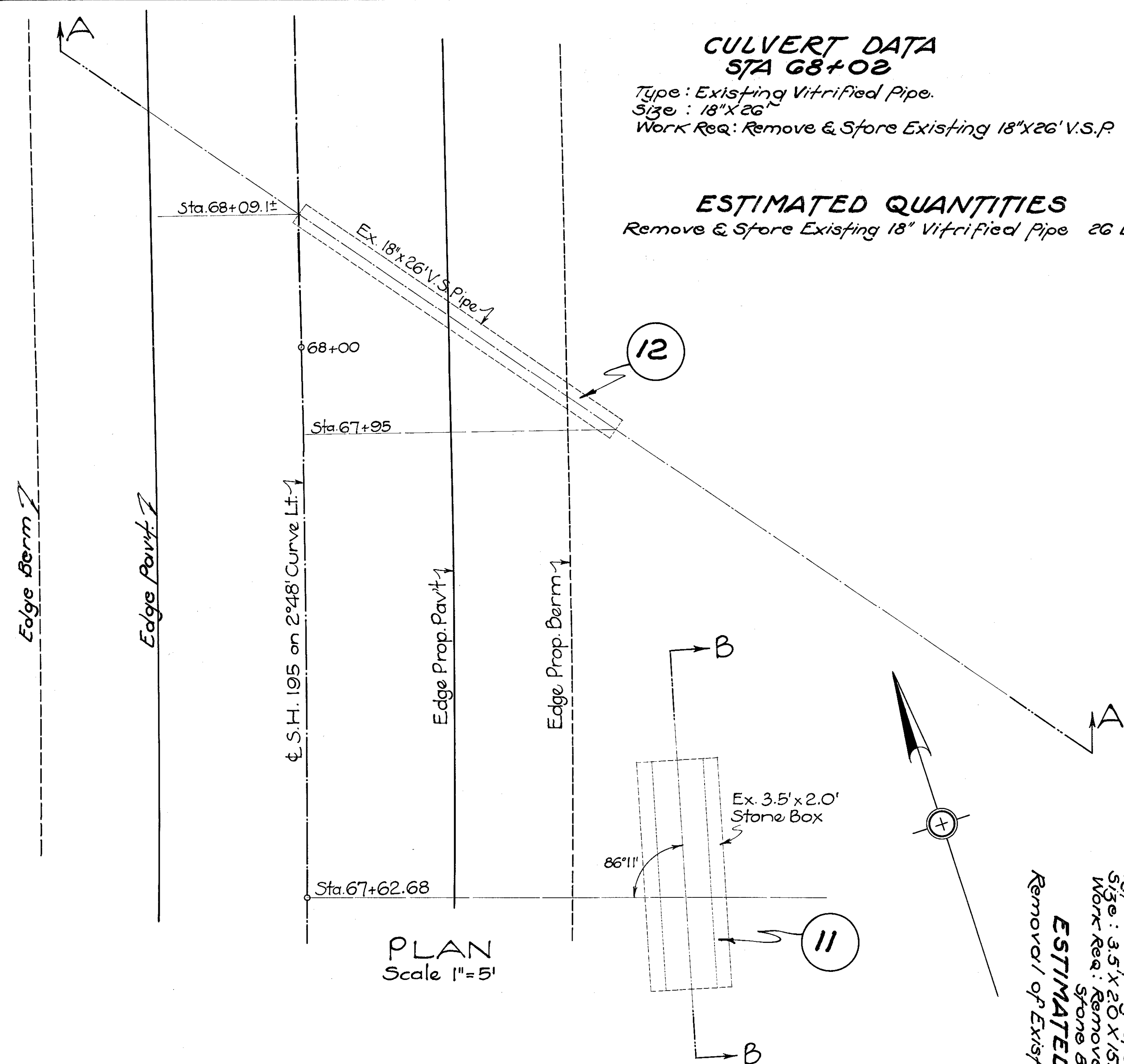
EXIST. V.S. PIPE
To be Removed
STA. 60+31 RT.

8

CULV. DATA
TYPE: Exist. Vitrified Pipe.
SIZE: 24" x 53'
WORK REQ'D: Remove & Store Exist'g 24" x 53' Vit. Pipe.

CULVERT DATA
STA 68+02
Type: Existing Vitrified Pipe.
Size: 18" x 26"
Work Req: Remove & Store Existing 18"x26' V.S.P

ESTIMATED QUANTITIES
Remove & Store Existing 18" Vitrified Pipe 26 Lin.Ft.



PLAN
Scale 1" = 5'

SEC. A-A

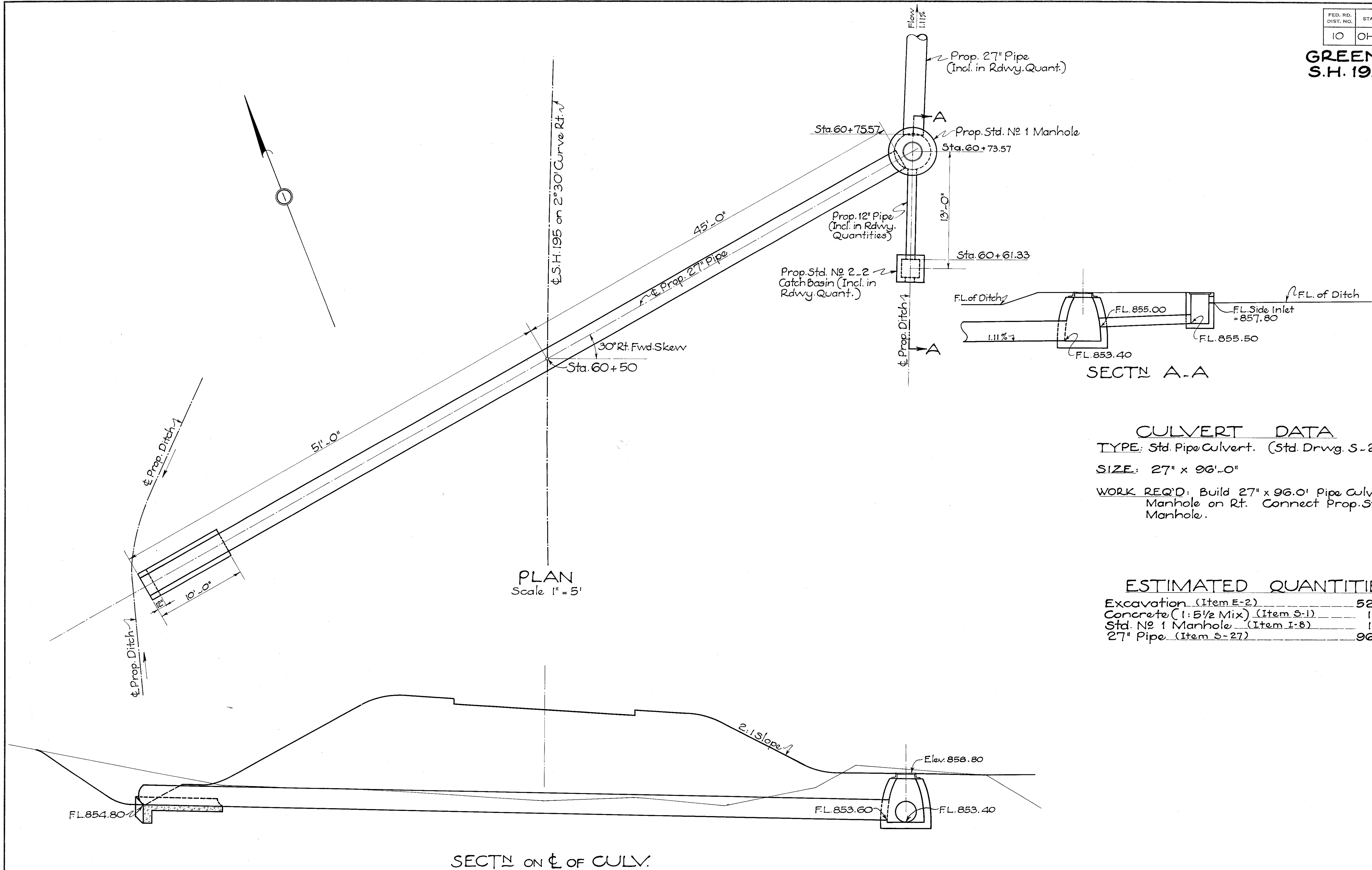
SEC. B-B

EXIST. CULVERTS
To be Removed--
STA. 67+62.68 (BOX)
& STA. 68+02 RT.

CULVERT DATA
STA 67+62.68
Type: Existing Stone Box.
Size: 3.5' x 2.0' x 15.55'
Work Req: Remove Existing 3.5x2.0x15.55' Stone Box Culvert.
ESTIMATED QUANTITIES
Removal of Existing Bridges (Item 5-2d) Lump Sum.

Drawn By: C.C.R. 1-5-37
Checked By: O.T.M. 1-28-37

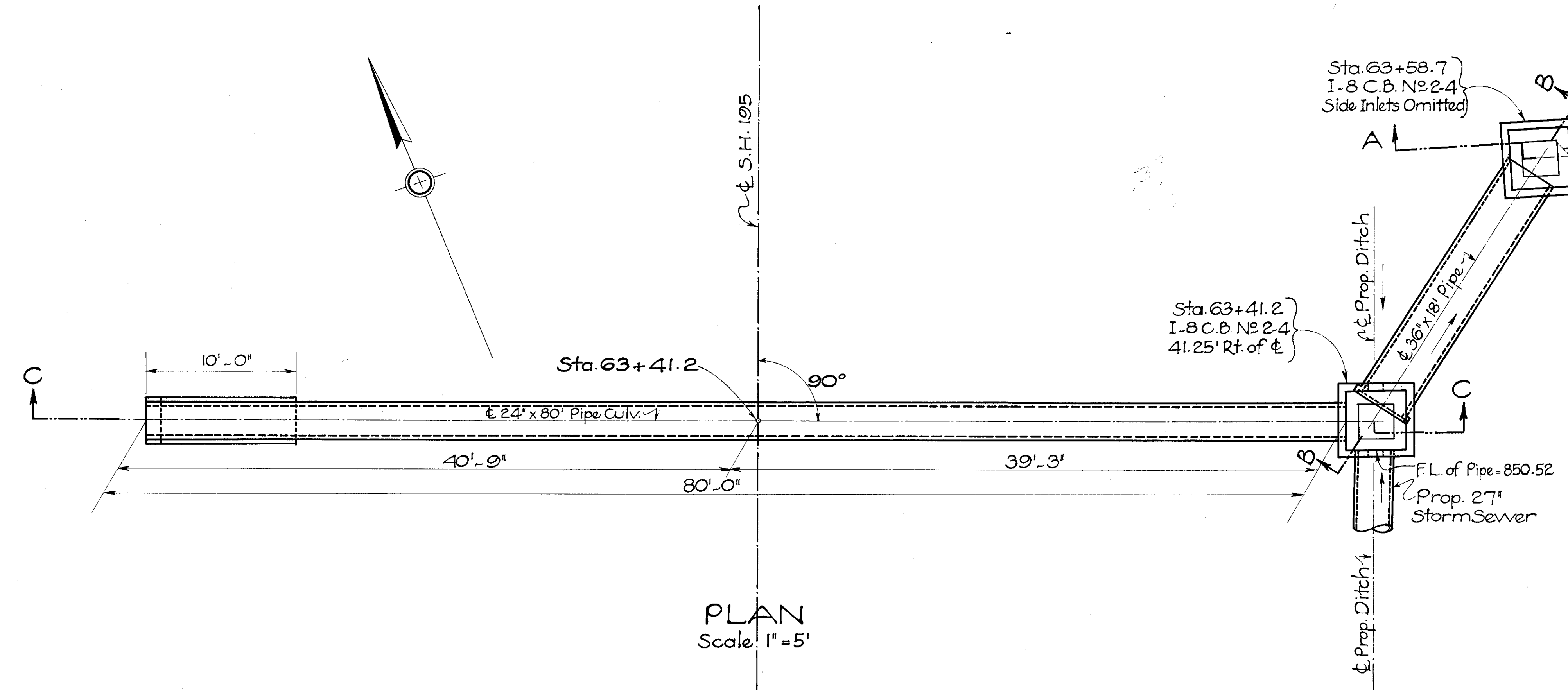
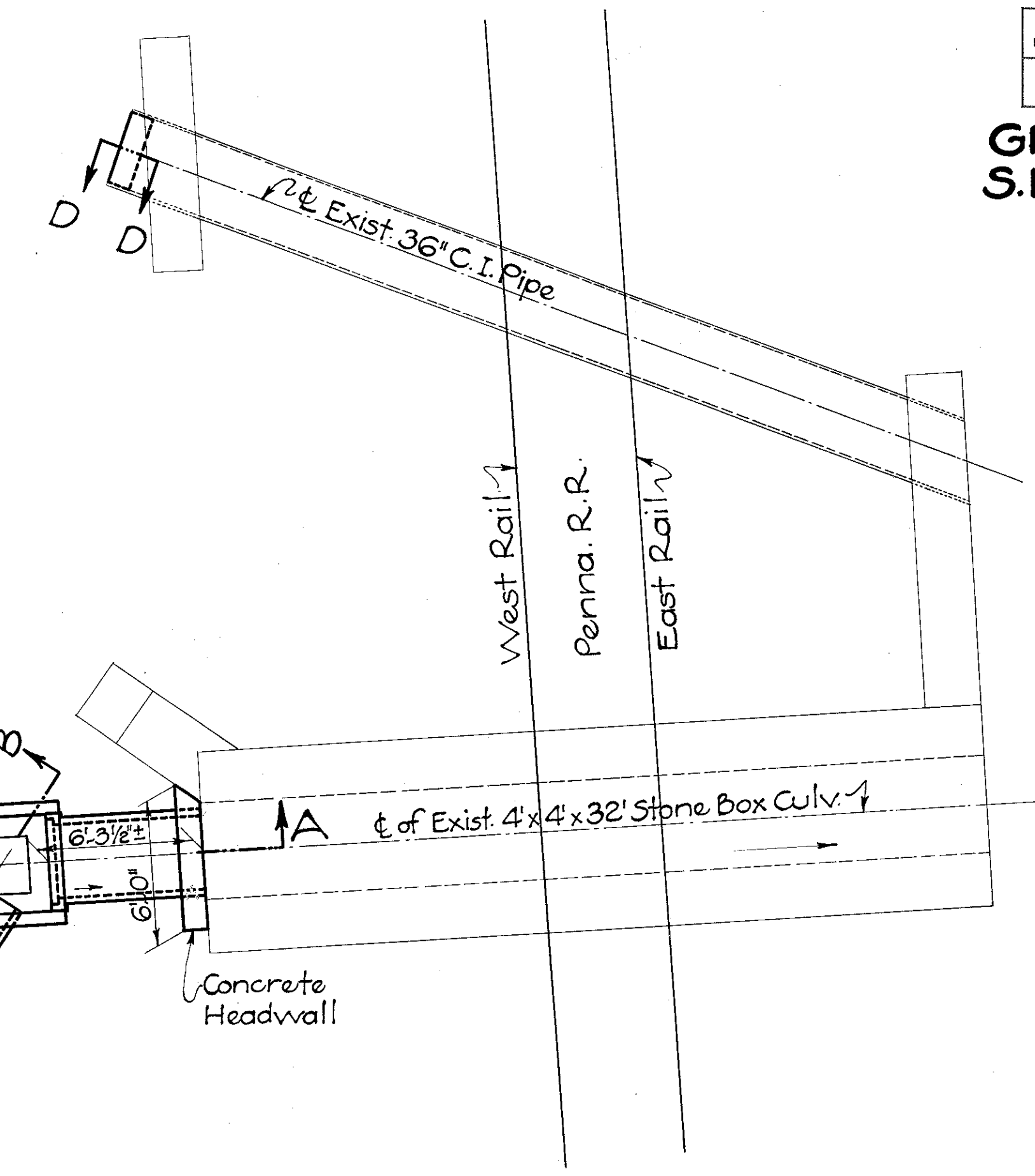
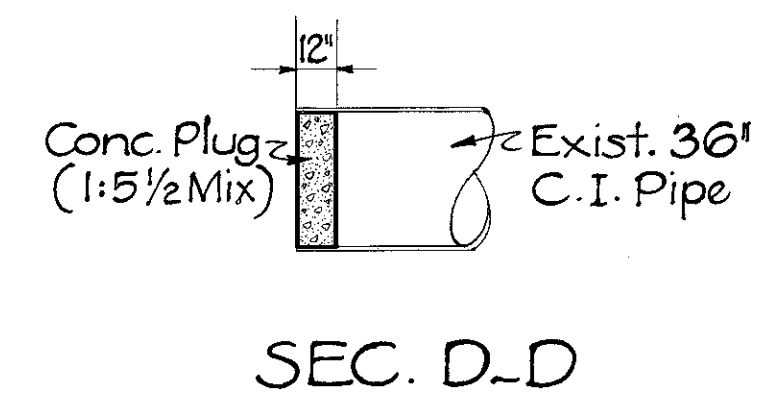
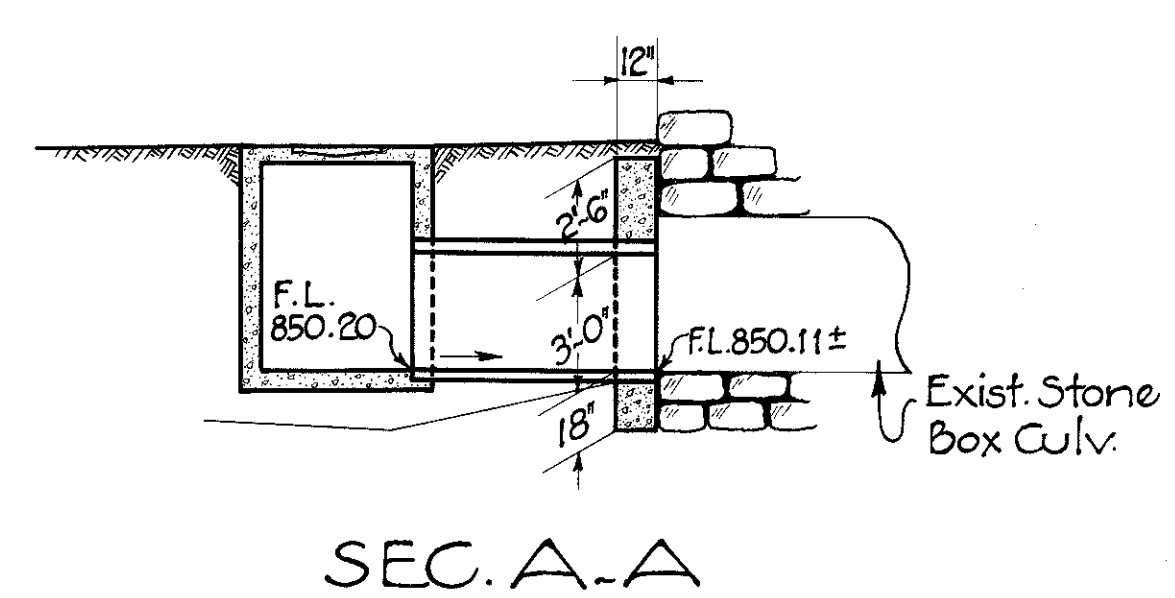
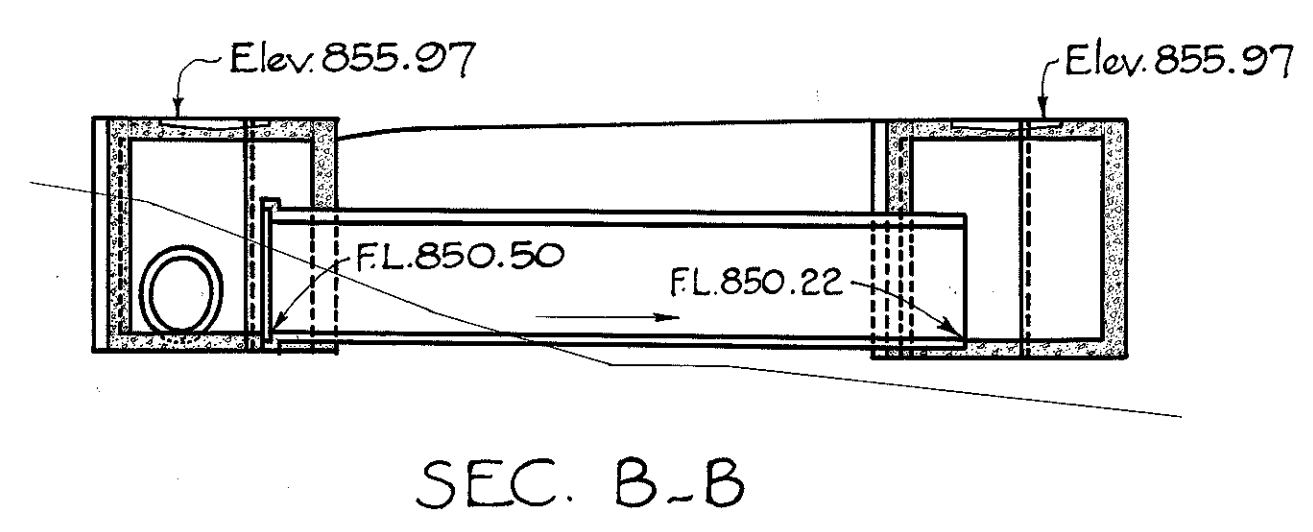
11
12



CULVERT DATA
 TYPE: Std. Pipe Culvert. (Std. Drwg. S-27 P.C 2-3)
 SIZE: 27" x 96'-0"
 WORK REQ'D: Build 27" x 96'-0" Pipe Culvert with Std. No 1 Manhole on Rt. Connect Prop. Storm Sewer into Manhole.

ESTIMATED QUANTITIES

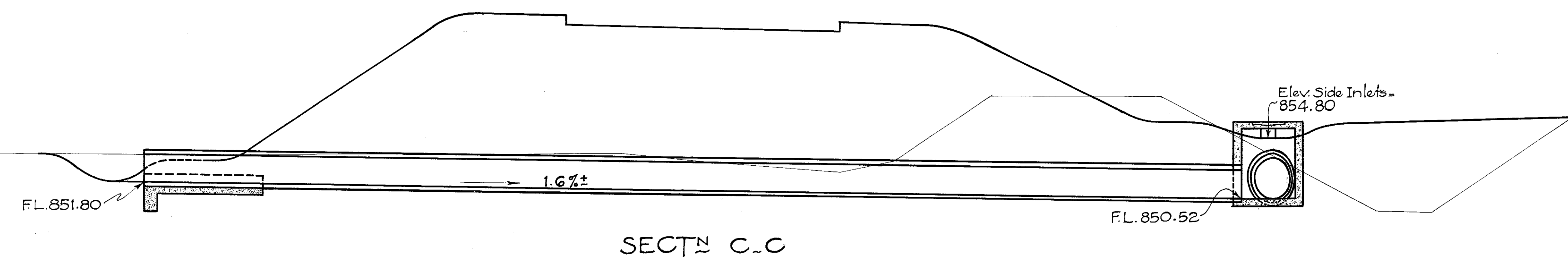
Excavation (Item E-2)	52	Cu. Yd.
Concrete (1:5 1/2 Mix) (Item S-1)	1.2	" "
Std. No 1 Manhole (Item I-8)	1	Each
27" Pipe (Item S-27)	96	Lin. Ft.



CULVERT DATA
 TYPE: Std. Pipe Culvert. (Std. Dwgs. S-27 PC-2, & I-8 C.B. No 2-4).
 SIZE: 24" x 80'-0" & 36" x 24'-0"
 WORK REQ'D: Build Std. 24" x 80'-0" & 36" x 24'-0" Pipe Culverts. Build two Std. I-8 No 2-4 Catch Basins, & Conc. Hdwall as shown; & Plug Exist'g 36" Cast Iron Pipe. Connect 27" Storm Sewer to Catch Basin.

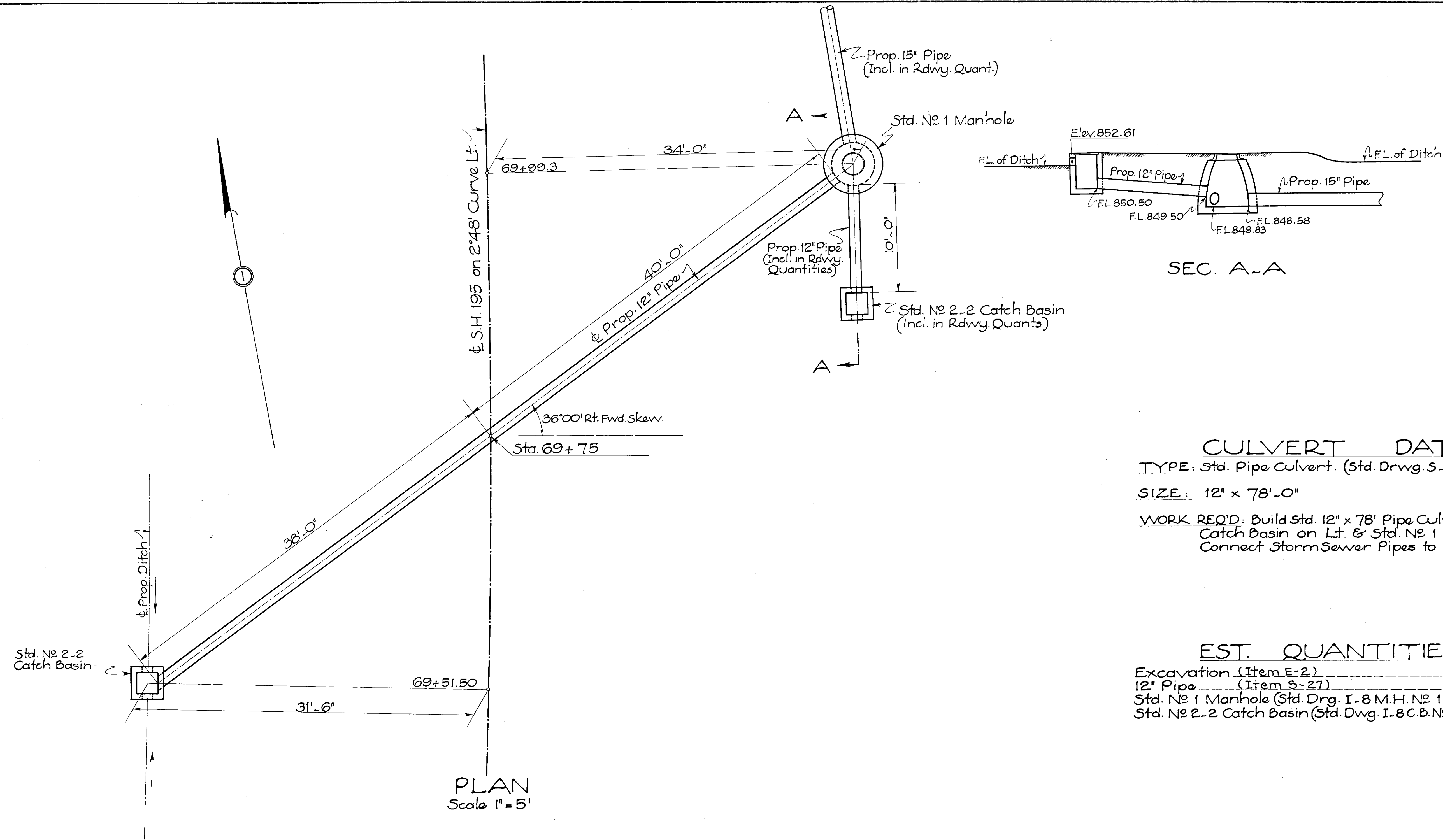
EST. QUANTITIES

Excavation (Item E-2)	60.	Cu. Yd.
Concrete (1:5 1/2 Mix)	2.5	" "
24" Pipe (Item S-27)	80.	Lin. Ft.
36" Pipe (" ")	24.	" "
Std. I-8 C.B. No 2-4 Catch Basin	2.	Each



Drawn By: J.P.M. 1-21-37
 Checked By: O.T.M. 1-22-37

STD. PIPE CULV.
STA. 63 + 41.2

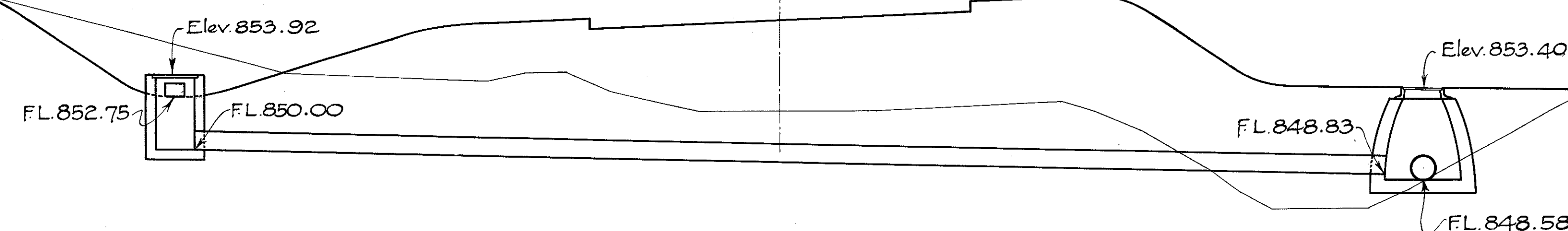


SEC. A-A

CULVERT DATA
 TYPE: Std. Pipe Culvert. (Std. Dwg. S-27 P.C. 1 & 3)
 SIZE: 12" x 78'-0"
 WORK REQ'D: Build Std. 12" x 78' Pipe Culv. with Std. No 2-2 Catch Basin on Lt. & Std. No 1 Manhole on Rt. Connect Storm Sewer Pipes to Manhole as shown.

EST. QUANTITIES

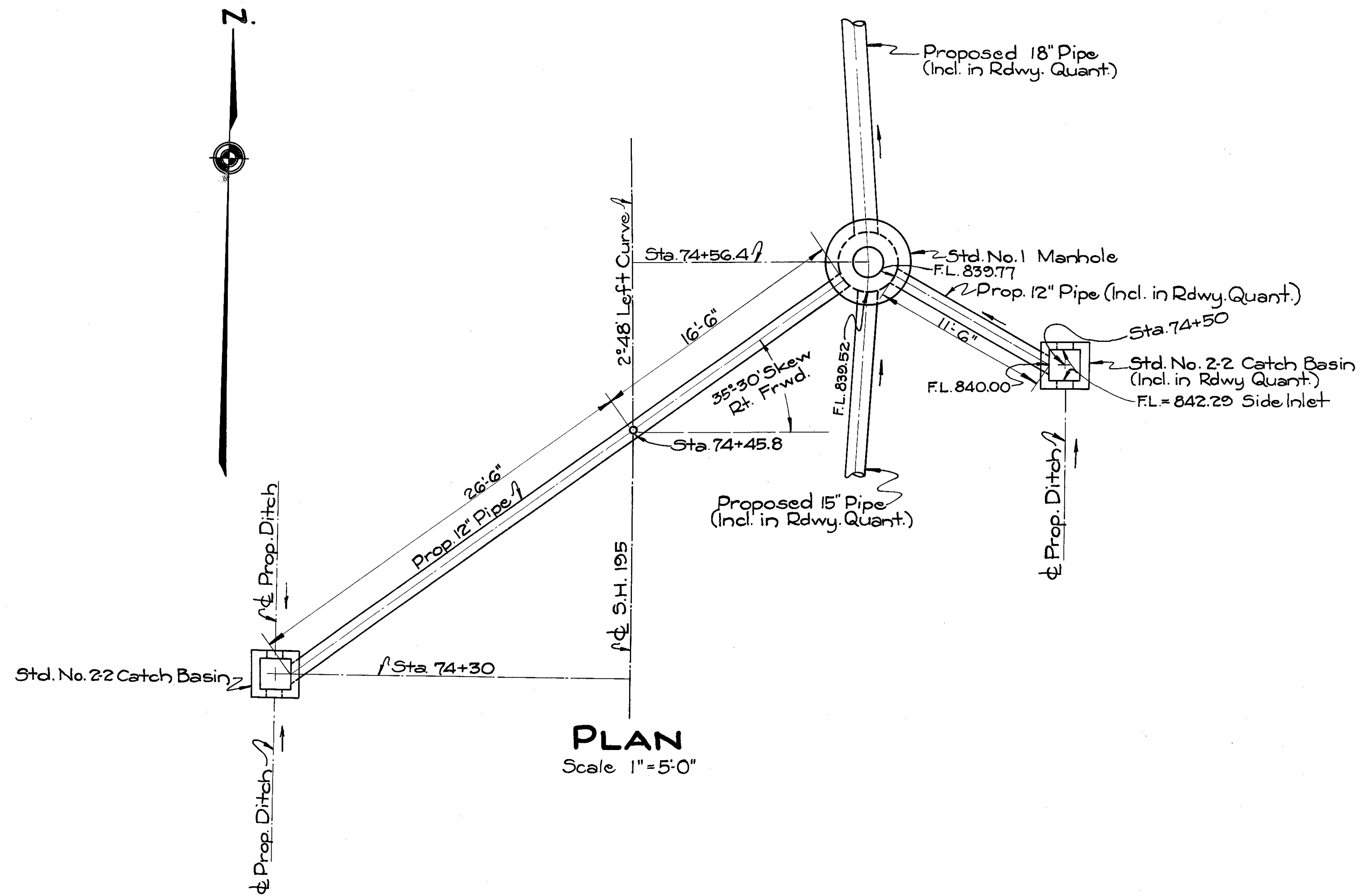
Excavation (Item E-2)	36	Cu. Yd.
12" Pipe (Item S-27)	78	Lin. Ft.
Std. No 1 Manhole (Std. Drg. I-8 M.H. No 1)	1	Each
Std. No 2-2 Catch Basin (Std. Dwg. I-8 C.B. No 2-2)	1	"



Drawn By: C.C.R. & O.T.M. Date: 1-20-37
 Checked By: J.P.M. Date: 1-21-37

STD. PIPE CULV.
STA. 69 + 75

GREENE COUNTY
S.H. 195 SEC. H & F (PT.)

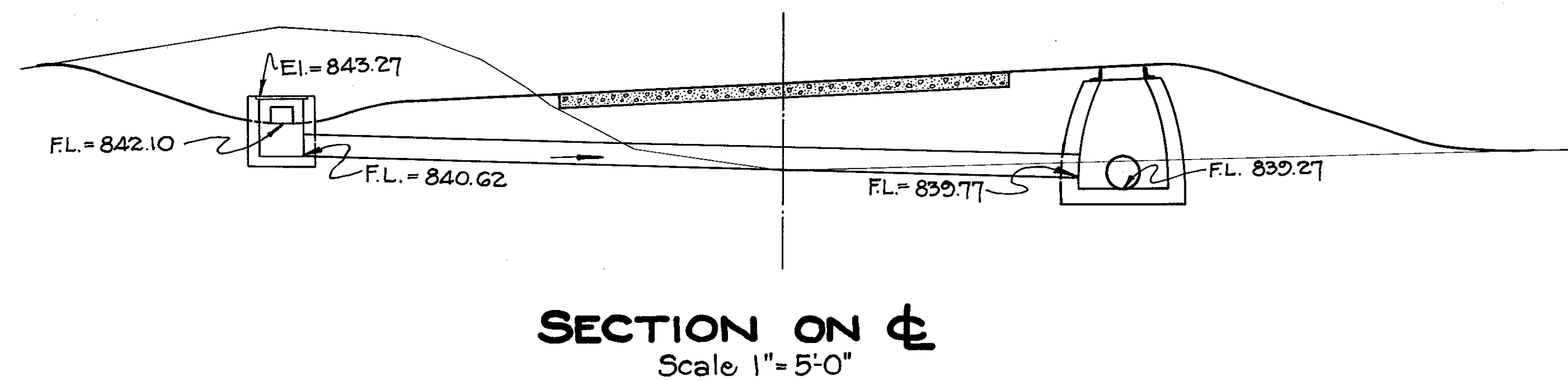


CULVERT DATA

Type: Std. Pipe Culvert (Std. Drwg. S-27 PC. 1 & 3, I-8 M.H. No. 1, I-8 C.B. No. 2-2)
Size: 12" x 43'-0"
Work Required: Build Std. 12" x 43'-0" Pipe Culvert with Std. No. 2-2 Catch Basin on Left and Std. No. 1 Manhole on Right. Connect Storm Sewer Pipes as shown.

ESTIMATED QUANTITIES.

Excavation (Item E-2) 14 Cu. Yd.
12" Pipe (Item S-27) 44 Lin. Ft.
Std. No. 1 Manhole (Std. Drwg. I-8 M.H. No. 1) (Item I-8) 1 Each
Std. No. 2-2 Catch Basin (Std. Drwg. I-8 C.B. No. 2-2) (") 1 Each

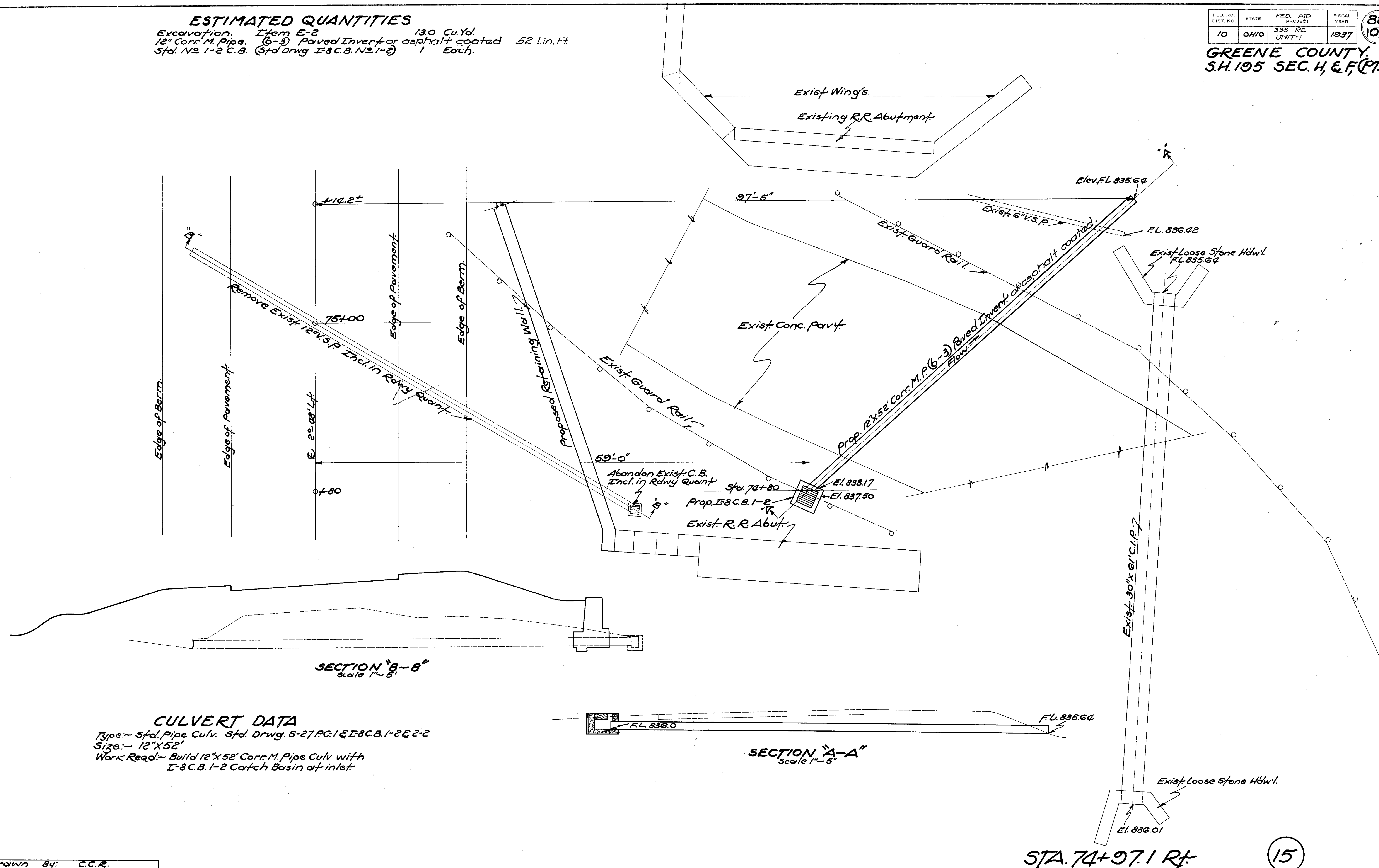


STD. PIPE CULVERT
STA. 74+45.8 14

ESTIMATED QUANTITIES
 Excavation: Item E-2 13.0 Cu.Yd.
 12" Corr. M. Pipe. (6-3) Paved Invert or asphalt coated 52 Lin.Ft.
 Std. No. 1-2 C.B. (Std. Drwg. E-8 C.B. No. 1-2) 1 Each.

FED. RD. DIST. NO.	STATE	FED. AID PROJECT	FISCAL YEAR	88 105
10	OHIO	339 RE UNIT-1	1937	

GREENE COUNTY
S.H. 195 SEC. H, & F (PT.)



SECTION "B-B"
 Scale 1"=5'

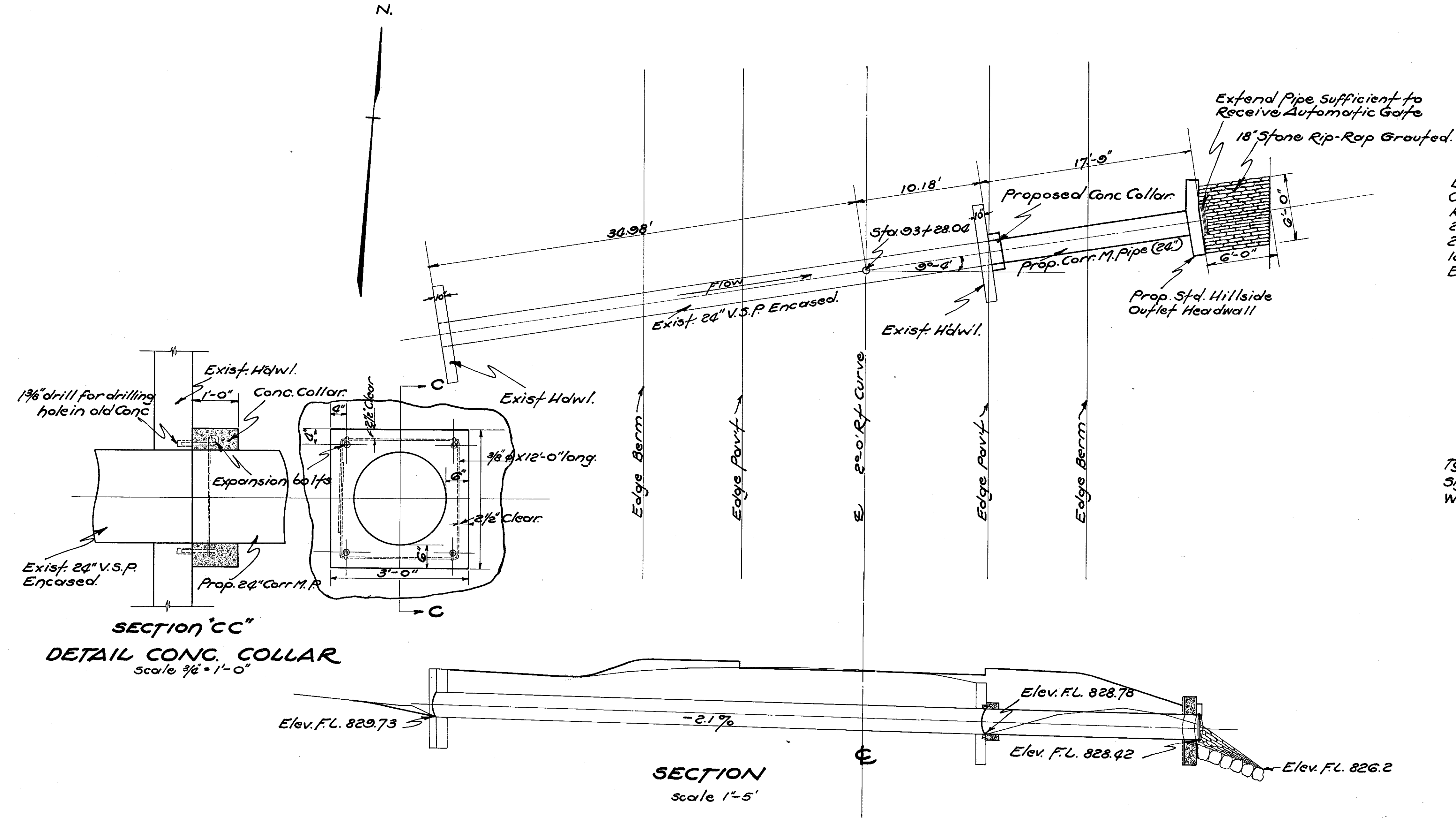
CULVERT DATA

Type:— Std. Pipe Culv. Std. Drwg. S-27 PC. 1 & E-8 C.B. 1-2 & 2-2
 Size:— 12"X52'
 Work Req'd:— Build 12"X52' Corr. M. Pipe Culv. with
 E-8 C.B. 1-2 Catch Basin at inlet

SECTION "A-A"
 Scale 1"=5'

Drawn By: C.C.R.
 Checked By: E.E.D.
 Checked By:

Note:
For Expansion Bolt Detail
See Sheet N2 2-A



ESTIMATED QUANTITIES

Excavation. (Item E-2)	8.0 Cu. Yd.
Concrete. 1-5/8 Mix. (Item S-1)	1.3 Cu. Yd.
Reinf. Steel. (Item S-4)	25 Lbs.
24" Corr. M. Pipe Paved Invert for asphalt coated.	18 Lin. Ft.
24" Calco Gate or Equivalent (Item Special)	1 Each.
18" Stone Rip-Rap Grouted (Item I-10)	40 Sq. Yds.
Expansion Hook Bolts. Incl. dowel holes. (Item Special)	4 Each.

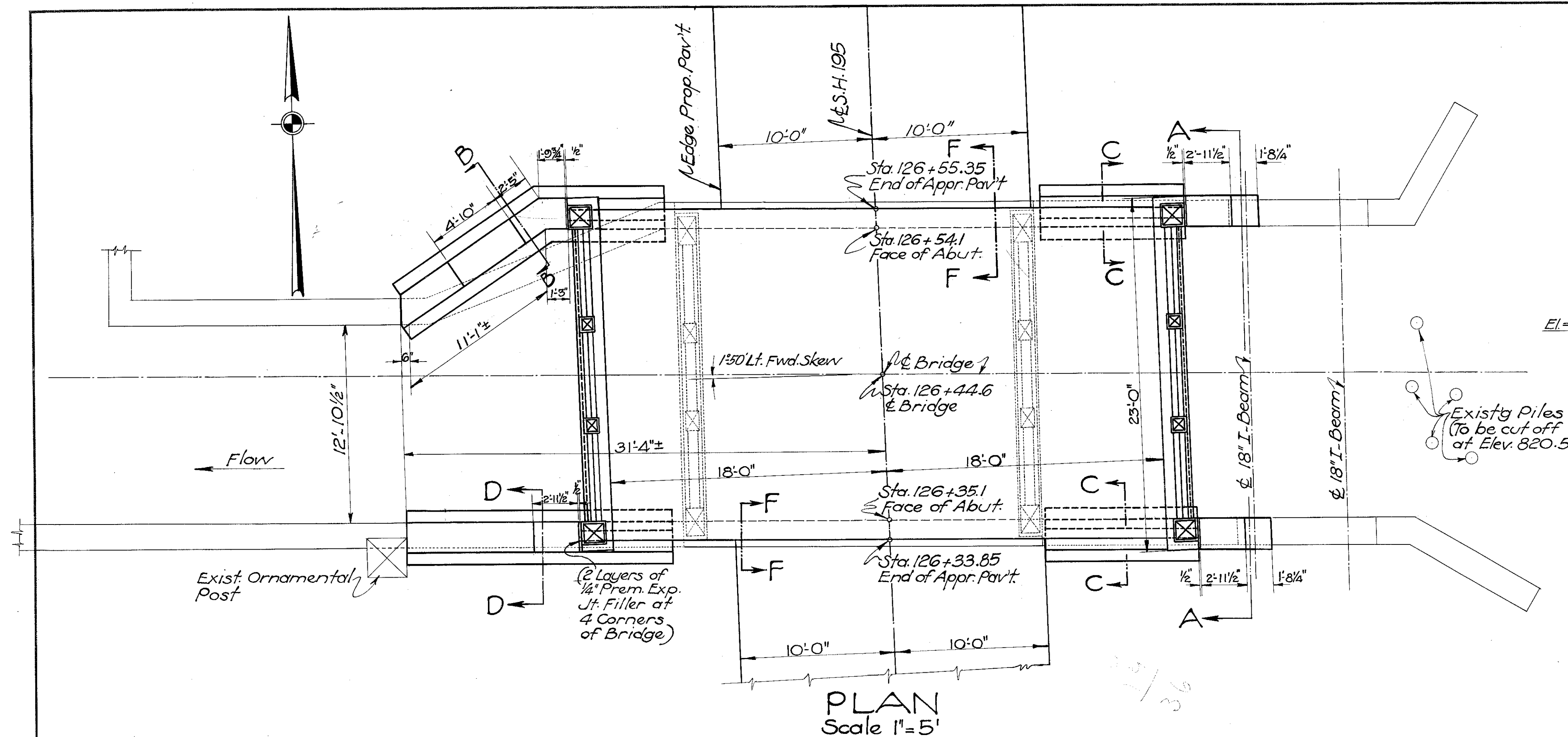
CULVERT DATA

Type. Corr. M. Pipe. Culvert Extension. Std. Drwg. S-27 P.C.1.
 Size. 24"x17'3"
 Work Req'd. Build 17'3" Corr. M. Pipe. Culvert Extension Build Std. Conc. Hdwl. Install Calco or Equal Automatic Gate. Drill Holes in Present Hdwl. on R/L Insert expansion Hook Bolts & Build Conc. Collar as Shown. Place Rip-Rap as Shown.

STA. 93+28.04

16

GREENE COUNTY
S.H. 195 SEC."H & F (Pt.)"



GENERAL NOTES.

For Supplementary Details, refer to Std. Drwg. No. SB-35 & M.B.D-36.

EXISTING STRUCTURE:~ Conc. Slab Bridge with Type "D" Railing~ 19'-0" Span, 20.3' Rdwy.

PROPOSED STRUCTURE: ~ Conc. Slab Bridge with Type "RR-10 Railing 19.0' Span, 36' Rdwy.

Structure to be built half-at-a-time in order to accomodate traffic at all times; See Note on Sheet N^o 2.

WORK REQUIRED:-

Remove & dispose of Exist'g Conc. Slab & Railing
& those sections of Exist'g Abutments as noted or as
shown on Details.

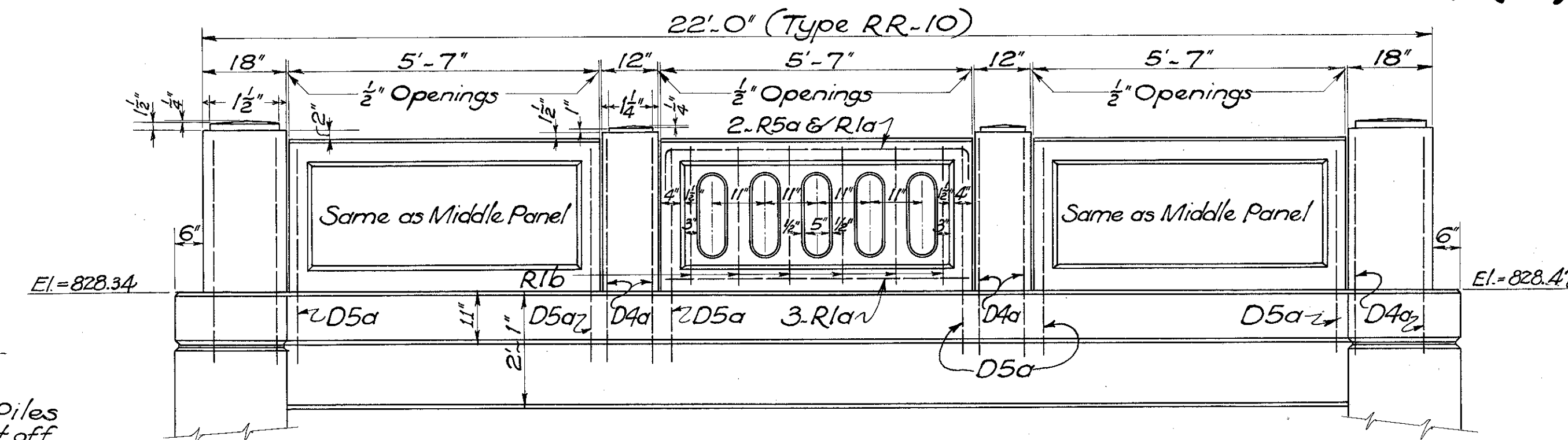
Cut off at Elev. 820.5 the Exist'g Piles at inlet end of Structure.

Remove & pile on State R/W for disposal by the D.X.S. Ry. Co., the exist'g Steel I-Beams & Wind Bracing on right.

Build new Concrete Slab Structure as shown.

ESTIMATED QUANTITIES -

Excavation (Unclassified) (Item E-2)	75	Cu. Yd.
Removal of Portions of Exist. Structure (Item S-22)	Lump Sum	
Cutting off Exist. Wood Piling (Item Spec.)	5	Each
Dowel Holes (1" ϕ x 12") (Item S-23)	56	"
Concrete (1-6 1/2 Mix) - Footings (Item S-1)	17.2	Cu. Yd.
" (1-6 1/2 Mix) - Walls (")	30.6	" "
" (1-5 1/2 Mix) - Superstructure (")	45.2	" "
Reinf. Conc. Railing-Type RR-10 (1-5 1/2 Mix) (Item S-14)	44	Lin. Ft.
Reinf. Steel (Item S-4)	7937	Lb.
Type "B" Waterproofing (18" Wide) (Item S-3)	11.3	Sq. Yd.
" (36" ") (" S-3)	23.5	"
1/4" Bit. Prem. Exp. Jt. Filler (Item S-9)	36	Sq. Ft.
12" - 24 oz. Folded Copper Strip (Item S-9)	21.5	Lin. Ft.
Porous Backfill (Item E-2.08)	Lump Sum	

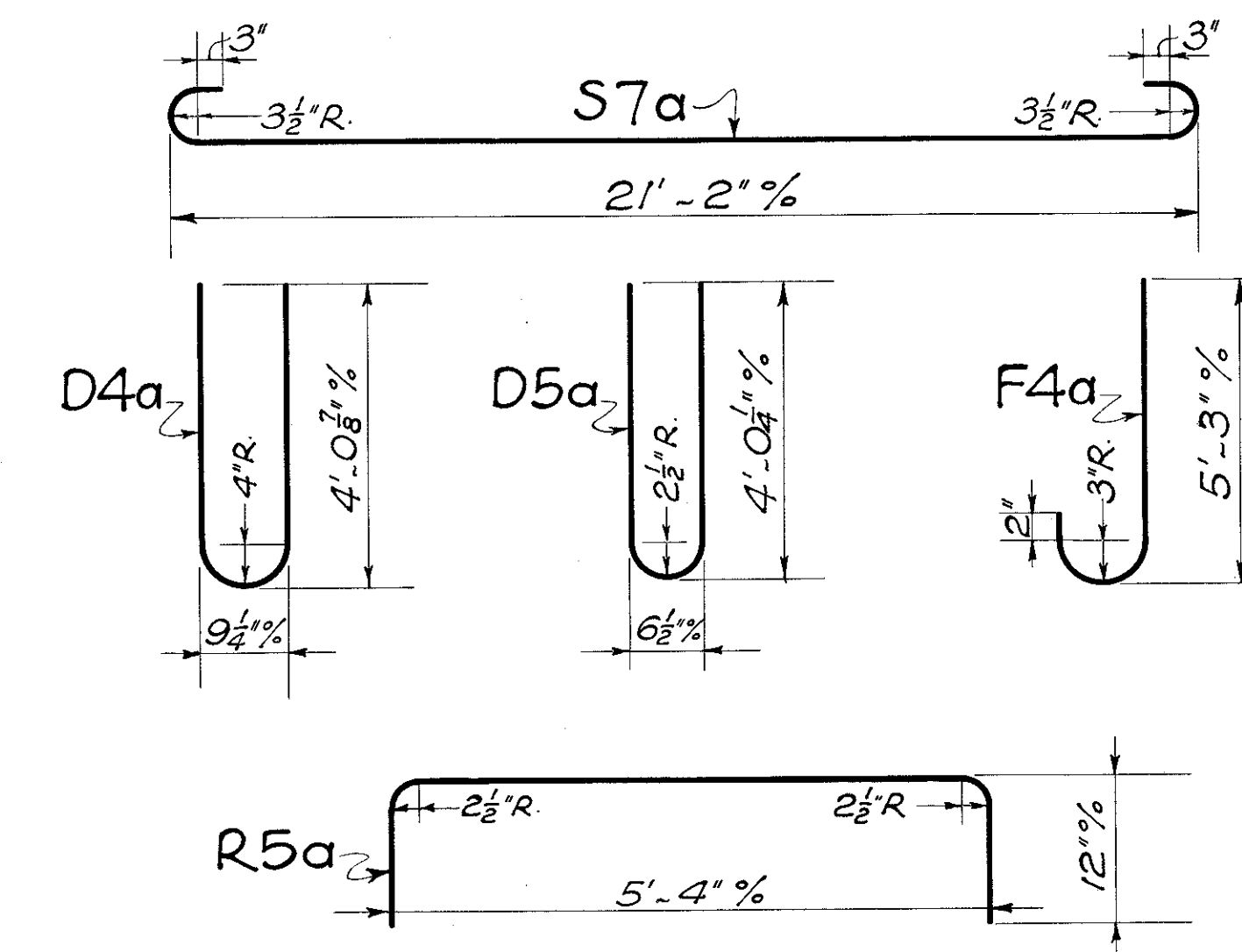


VIEW A-A & RAILING PANEL DETAIL

STEEL LIST

MARK	SIZE	SHAPE	SPACING	№ REQ'D	LENGTH	WEIGHT
S7a	1" φ	Bent	5¾"	82	23'-0"	5041 #
T4a	5/8" φ	Strt.	As Shown	80	20'-9"	1733
T4b	5/8" φ	"	36"	14	21'-0"	307
D4a	5/8" φ	Bent	As Shown	16	8'-6"	142
D5a	3/4" φ	"	"	12	8'-3"	149
R5a	3/4" φ	"	"	12	7'-0"	} Payment per Lin. Ft. of RR- 10 Railing
R1a	3/8" φ	Strt.	"	24	5'-4"	
R1b	3/8" φ	"	"	36	2'-6"	
F4a	5/8" φ	Bent	18"	39	6'-0"	244
A4a	5/8" φ	Strt.	As Shown	12	4'-0"	50
A4b	5/8" φ	"	18"	22	2'-0"	46
D5b	3/4" φ	"	As Shown	24	3'-0"	108
D5c	3/4" φ	"	"	28	2'-6"	105
D5d	3/4" φ	"	"	4	2'-0"	12
TOTAL =						7937 #

BENDING DIAGRAMS ~

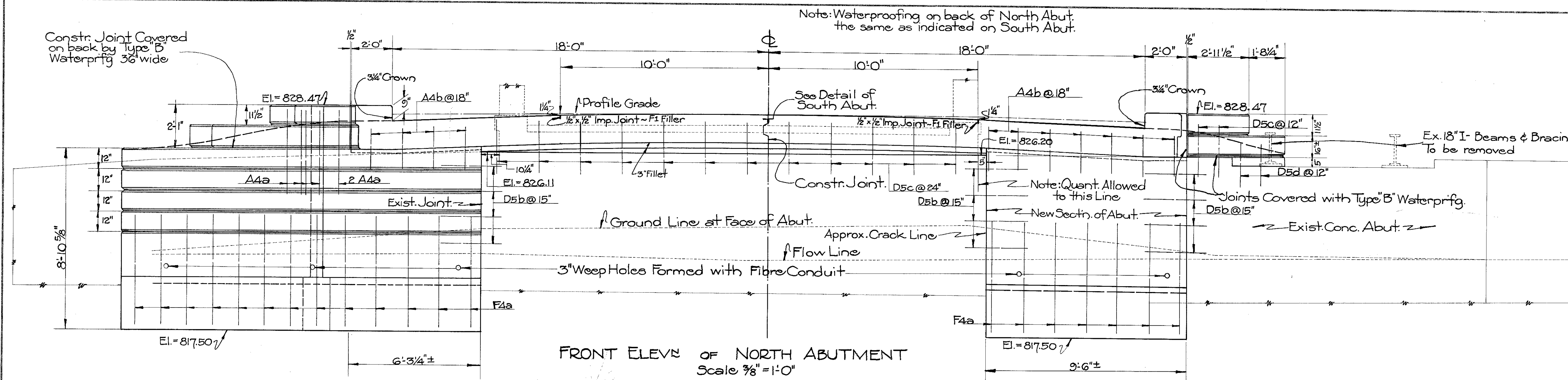


Drawn By: J.P.M. 4-20-37
Checked By: J.P.M. 4-20-37

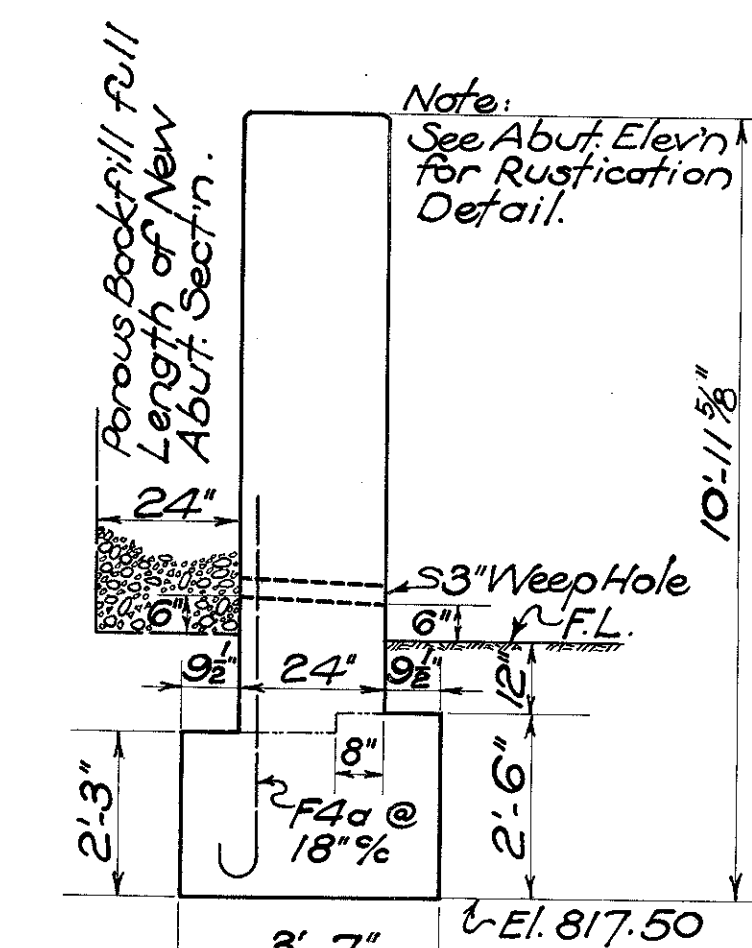
CONC. SLAB BRIDGE
STA. 126+44.6

FED. RD. DIST. NO.	STATE	FED. AID PROJECT	FISCAL YEAR	91
10	OH:10	830 Re. Unit-1	1937	105

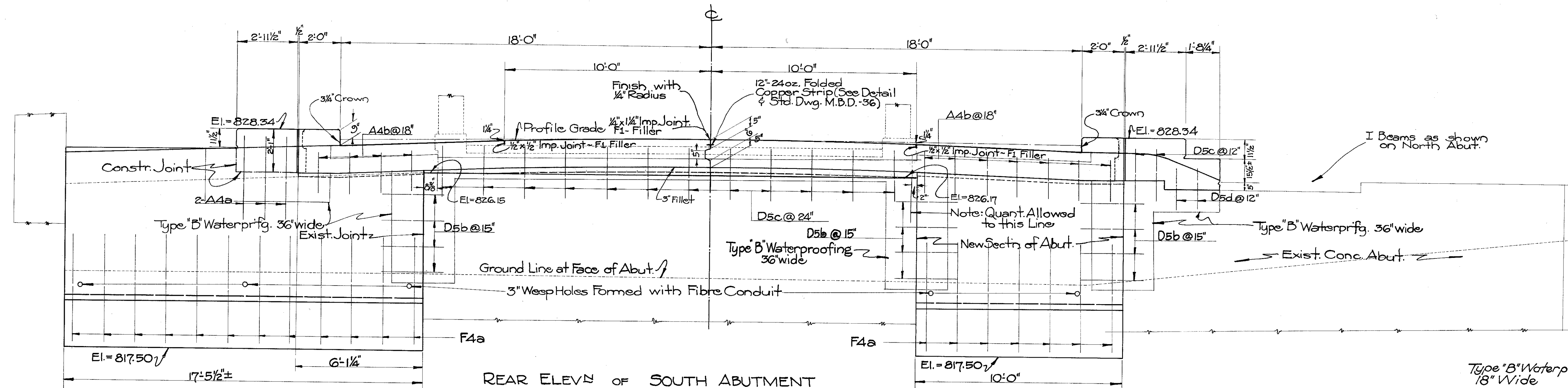
GREENE COUNTY
S.H. 195 SEC. "H & F (Part)"



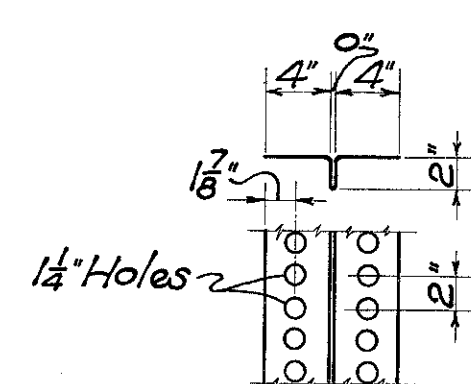
FRONT ELEV. OF NORTH ABUTMENT
Scale $\frac{3}{8}$ " = 1'-0"



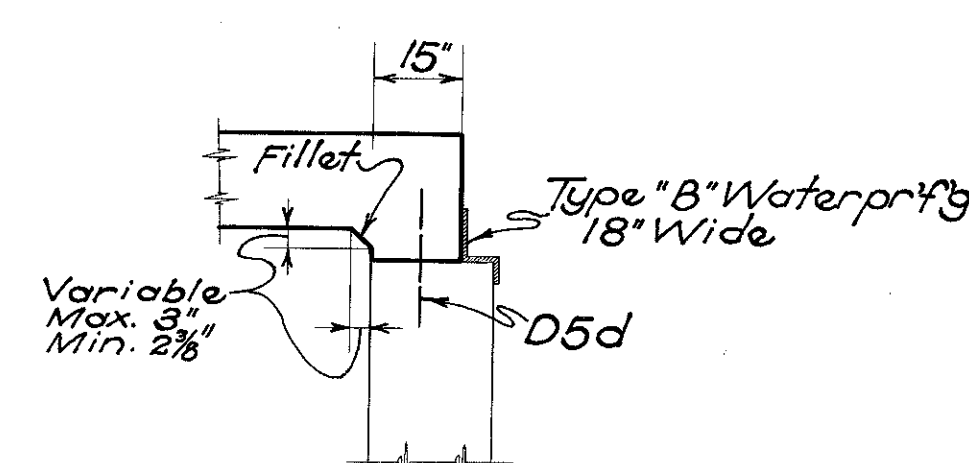
SECT. B-B
Scale $\frac{3}{8}$ " = 1'-0"



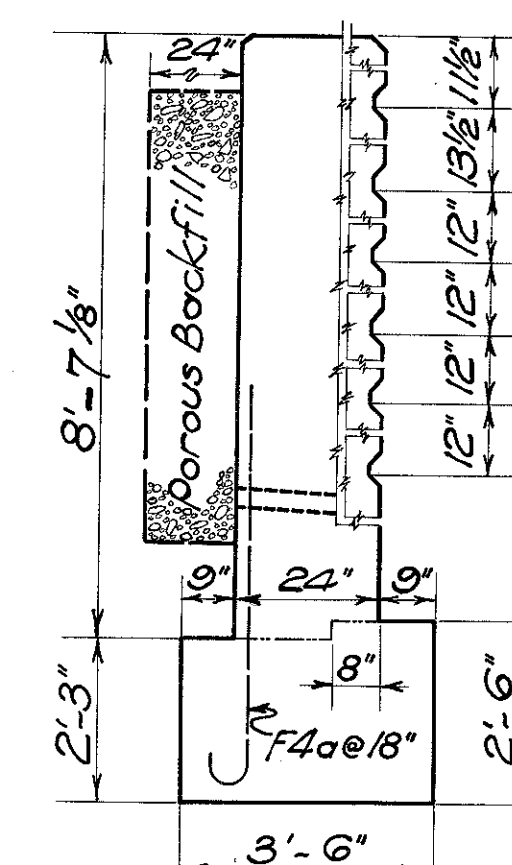
REAR ELEV. OF SOUTH ABUTMENT
Scale $\frac{3}{8}$ " = 1'-0"



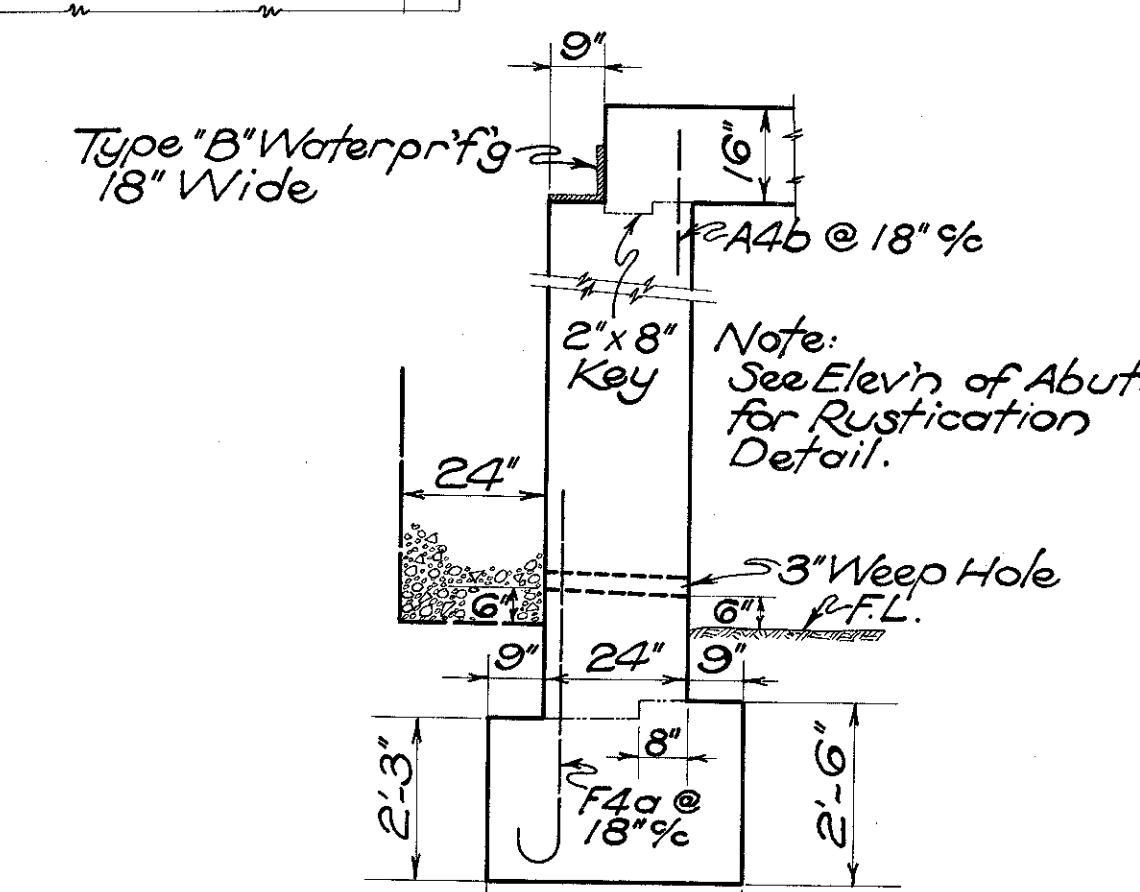
DETAIL OF 12" - 24 oz. FOLDED COPPER STRIP
Scale 1" = 1'



SECT. F-F
Scale $\frac{3}{8}$ " = 1'-0"



SECT. D-D
Scale $\frac{3}{8}$ " = 1'-0" & 1" = 1'-0"

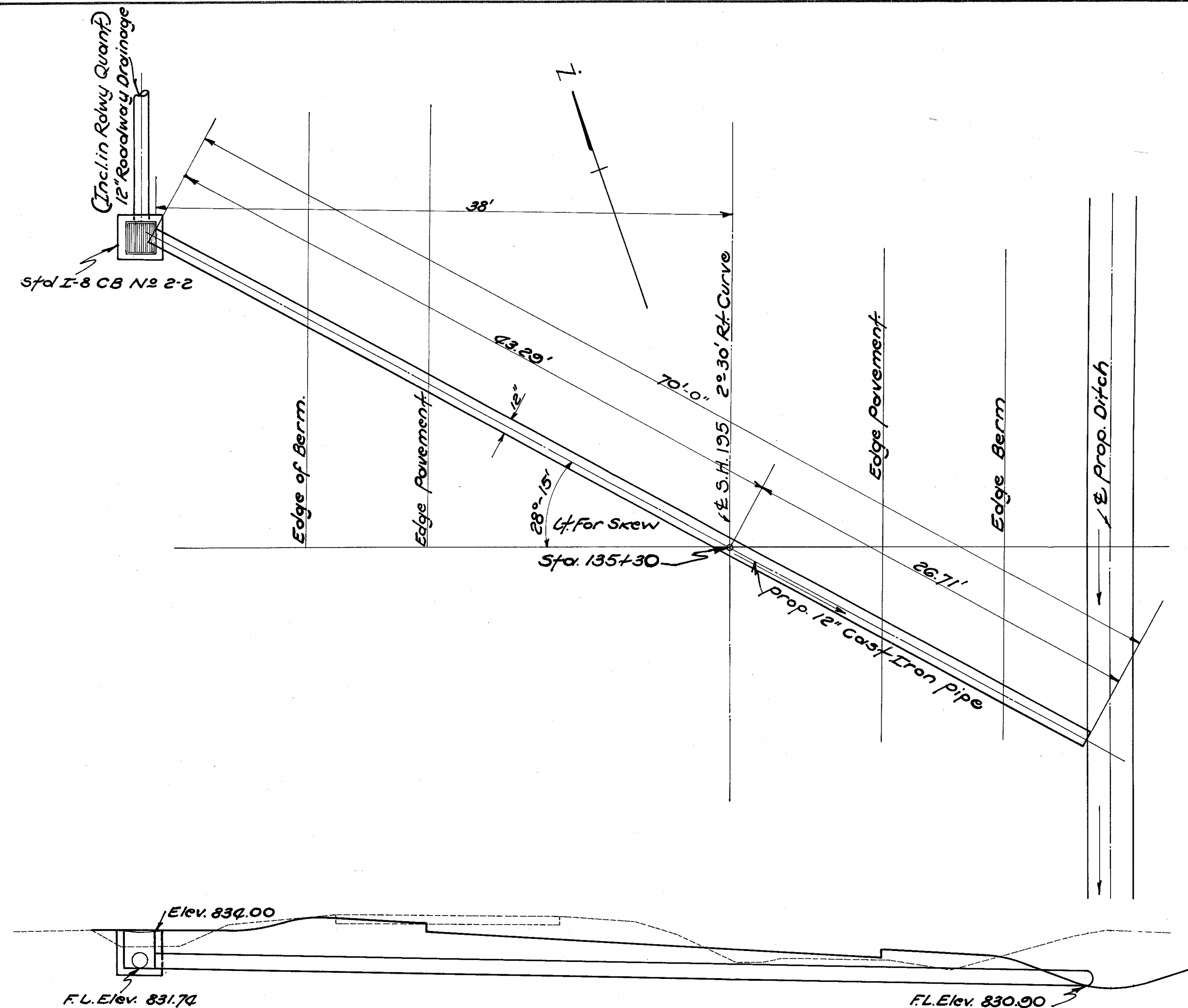


SECT. C-C
Scale $\frac{3}{8}$ " = 1'-0"

Drawn By: J.P.M. 4-20-37
Checked By: J.P.M. 4-20-37

CONC. SLAB BRIDGE
STA. 126 + 44.6

GREENE COUNTY
S.H. 195 SEC H, & F, (PT.)



CULVERT DATA

Type : Cast Iron Pipe Culvert (Std. Drwg S-27-PC-1&3
I-8-C.B. N^o 2-2)
Size : 12"x70'
Work Req'd. Build 12"x70' Cast Iron Pipe Culv.
Build Std N^o 2-2 Catch Basin at Inlet

ESTIMATED QUANT.

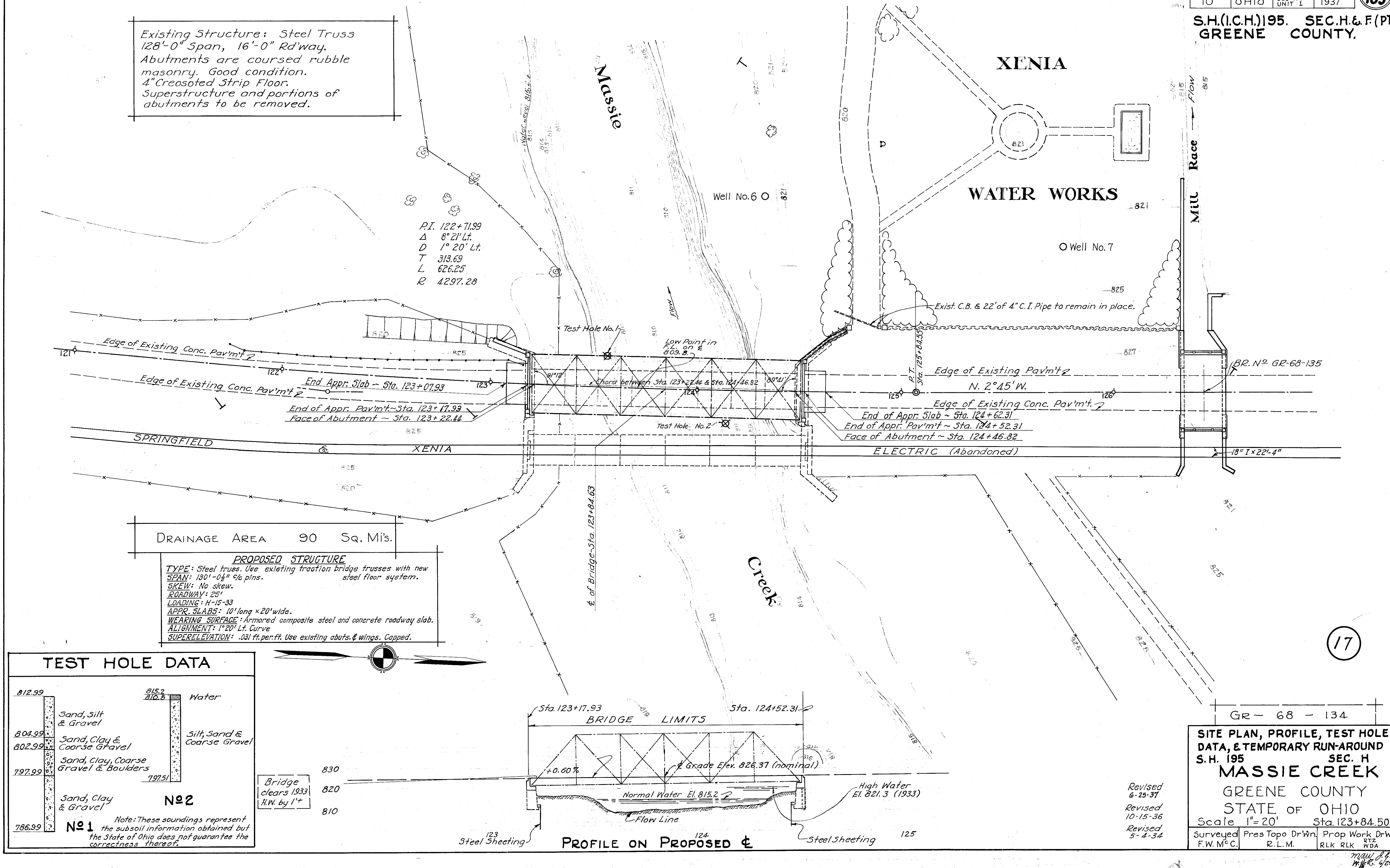
Excavation: (Item E-2) 16 Cu.Yd.
12" Cast Iron Pipe (M-G-2) (Item S-27) 70 Lin.Ft.
Catch Basin I-8 C.B. N^o 22 (Item I-8) 1 Each.

Drawn By: C.C.R. 1-30-37
Checked By: O.T.M. 2-3-37
Checked By:

STA. 135+30

20

S.H.(I.C.H.)195. SEC.H.&F.(PT.)
GREENE COUNTY.



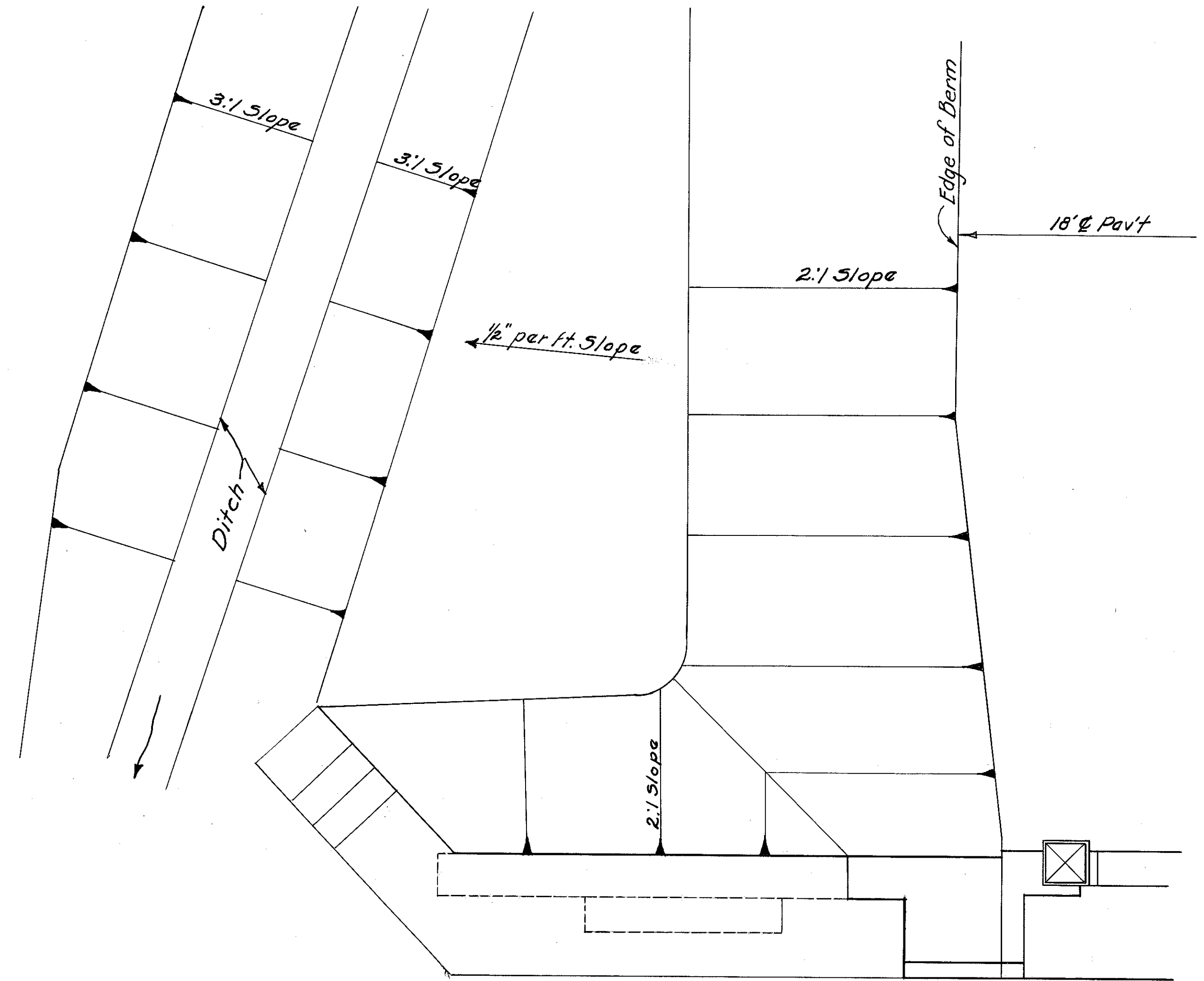
GR-68-134

SITE PLAN, PROFILE, TEST HOLE DATA, & TEMPORARY RUN-AROUND
 S.H. 195 SEC. H
MASSIE CREEK
 GREENE COUNTY
 STATE OF OHIO
 Scale 1"=20' Sta. 123+84.50

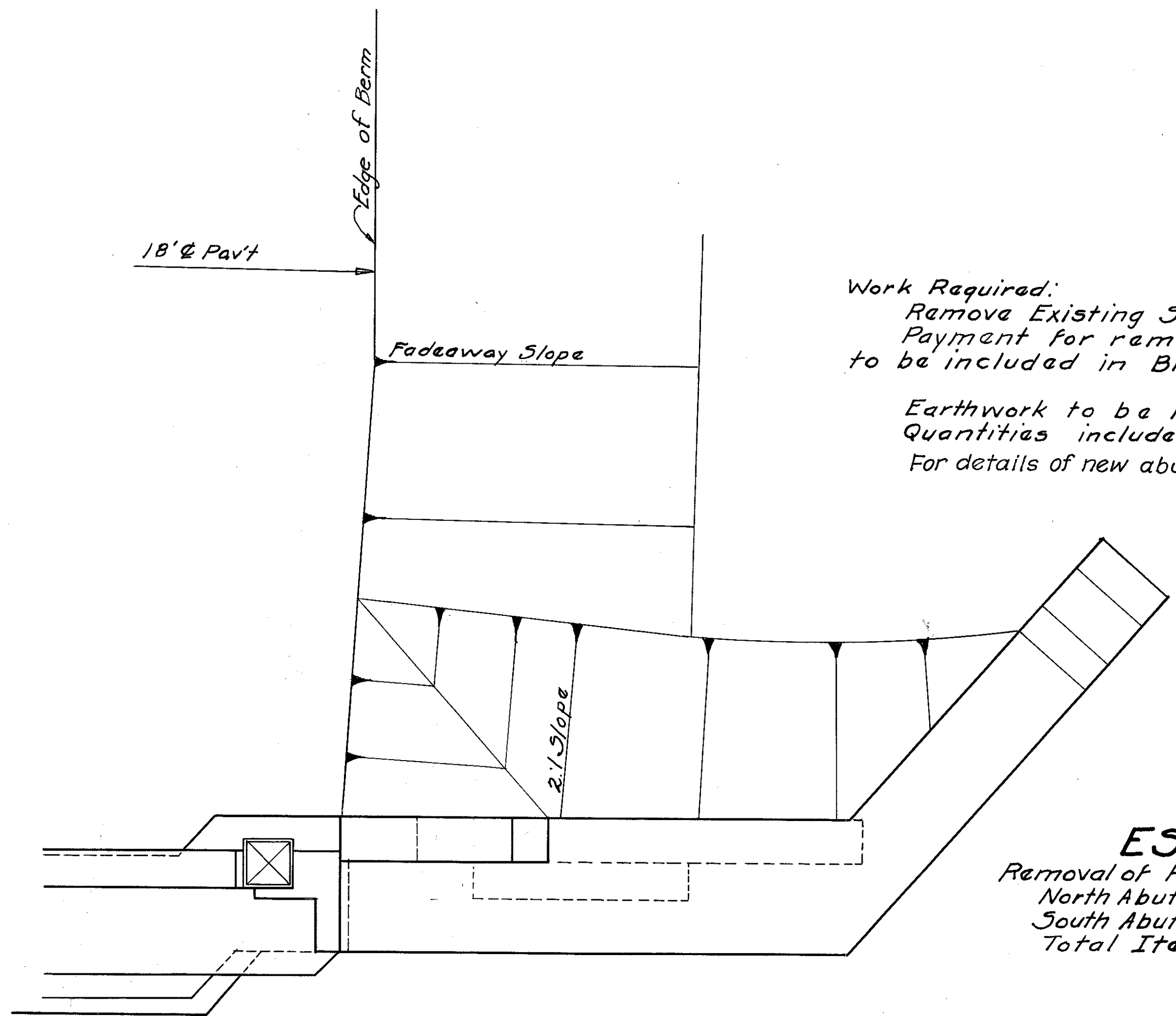
Revised 6-25-37
 Revised 10-15-36
 Revised 5-4-34

Surveyed	Pres Topo Dr'wn	Prop Work Dr'wn
F.W. M.C.	R.L.M.	RLK R.L.K. WDA

man 8 8 m 3/2
W.R. 4/29/37



PLAN SOUTH ABUT.



PLAN NORTH ABUT.

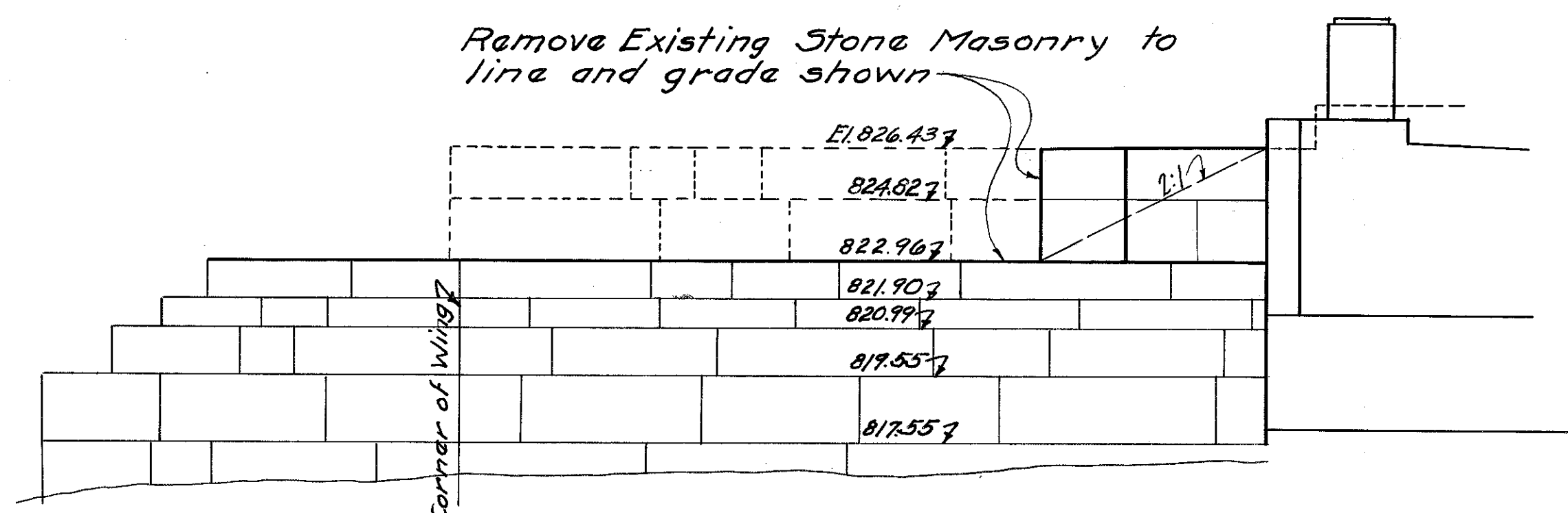
Work Required:
Remove Existing Stone Masonry to lines shown on sketches.
Payment for removal of portions of Existing Structure to be included in Bridge Quantities.

Earthwork to be finished as shown on sketches.
Quantities included in Roadway Excavation & Embankment.
For details of new abutment caps and wing extensions, see Sheets 97&98.

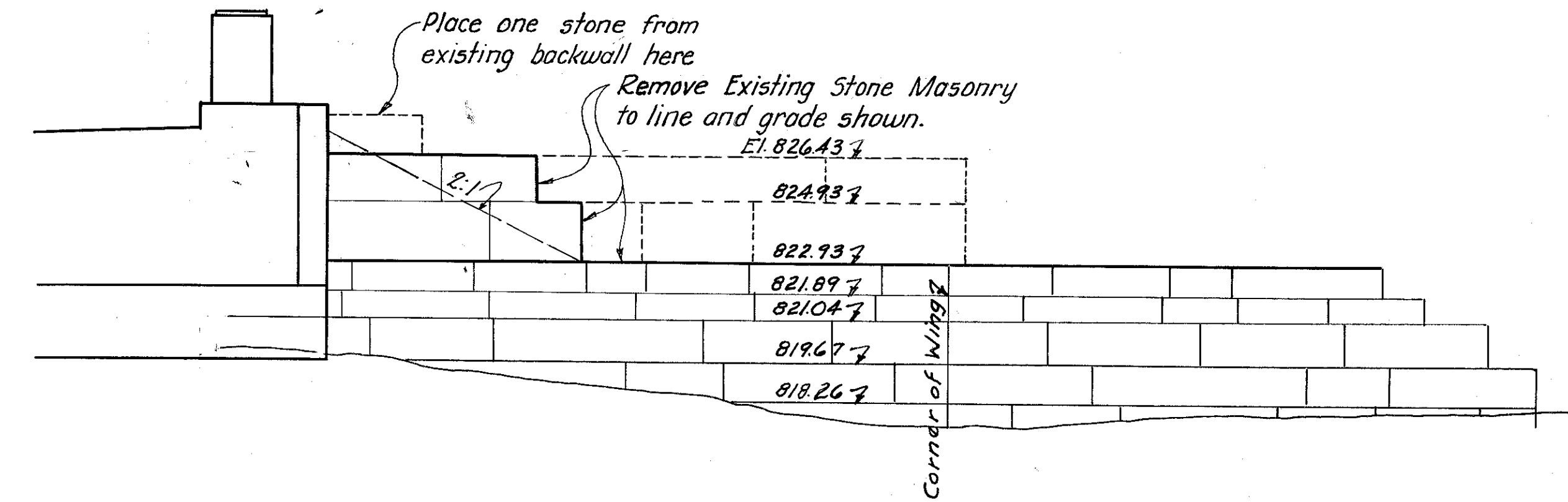
ESTIMATED QUANTITIES

Removal of Portions of Existing Structure Item 5-22	
North Abutment	5 Cu. Yd.
South Abutment	6 Cu. Yd.
Total Item 5-22	11 Cu. Yd.

These Quantities to be included with Quantities for Structure No 17



ELEV. SOUTH ABUT.



ELEV. NORTH ABUT.

PLAN & ELEV. of EXIST. TRACTION BRIDGE ABUT.
STA. 123+19⁺(RT) & STA. 124+50⁺(RT)
BR. No GR-68-134
OVER MASSIE CREEK

GREENE * * COUNTY
* S.H. 195 * SEC. H & F (Pt).4

* GENERAL * NOTES *

FOR DETAILS OF APPROACH SLABS, reference shall be made to Standard Drawing AS-35, . . .

4" CREOSOTED STRIP FLOOR from existing highway bridge shall be carefully removed and hauled to the State Highway Garage at Xenia. Floor to be removed in 2'-8"x18'-0" panels (as installed) and floor clips to be salvaged.

EXISTING STEEL SUPERSTRUCTURE of highway bridge and traction bridge steel not re-erected shall become the property of the contractor and shall be dismantled and removed from the site by him . . .

EXCAVATION FOR STRUCTURES, UNCLASSIFIED • includes excavation in front of existing abutments down to tops of existing footings, necessary for the driving of steel sheet piling. Backfill to original ground line shall be pneumatically tamped. Backfill included with excavation for payment. • • • • •

REMOVAL OF PORTIONS OF EXISTING MASONRY . .
includes removal of 11 cu. yds. from existing traction
bridge abutments. All materials removed to be dispos-
ed of as directed by the Engineer.

WELDING shall be done in conformity with "Supplemental Specifications No.9 for Electric Arc Welding" dated Dec.8,1934. Welding included with Structural Steel for payment. * * * * *

FLOODING of backfill not permitted immediately back
of abutments and wing walls. " " " " " "

CONCRETE ABOVE BRIDGE SEAT construction joint shall not be placed until after new superstructure is in its final position, and steel end finish shall be used as a template for top of back wall. * * * * *

EXISTING DIMENSIONS The Contractor shall verify all existing dimensions including those pertaining to fab-

EXISTING STEEL having kinks, bends or twists shall be straightened by the contractor before re-erecting. *

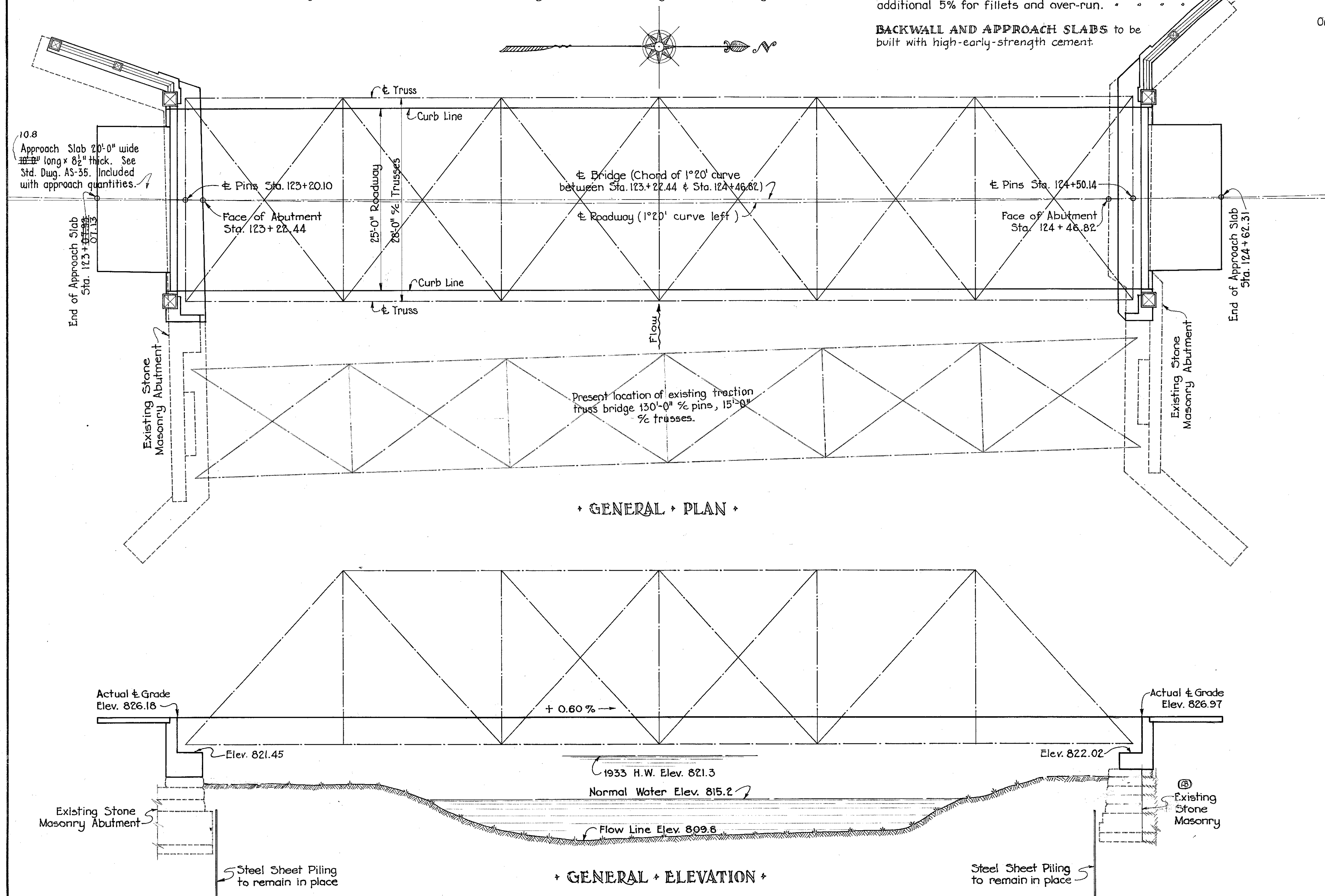
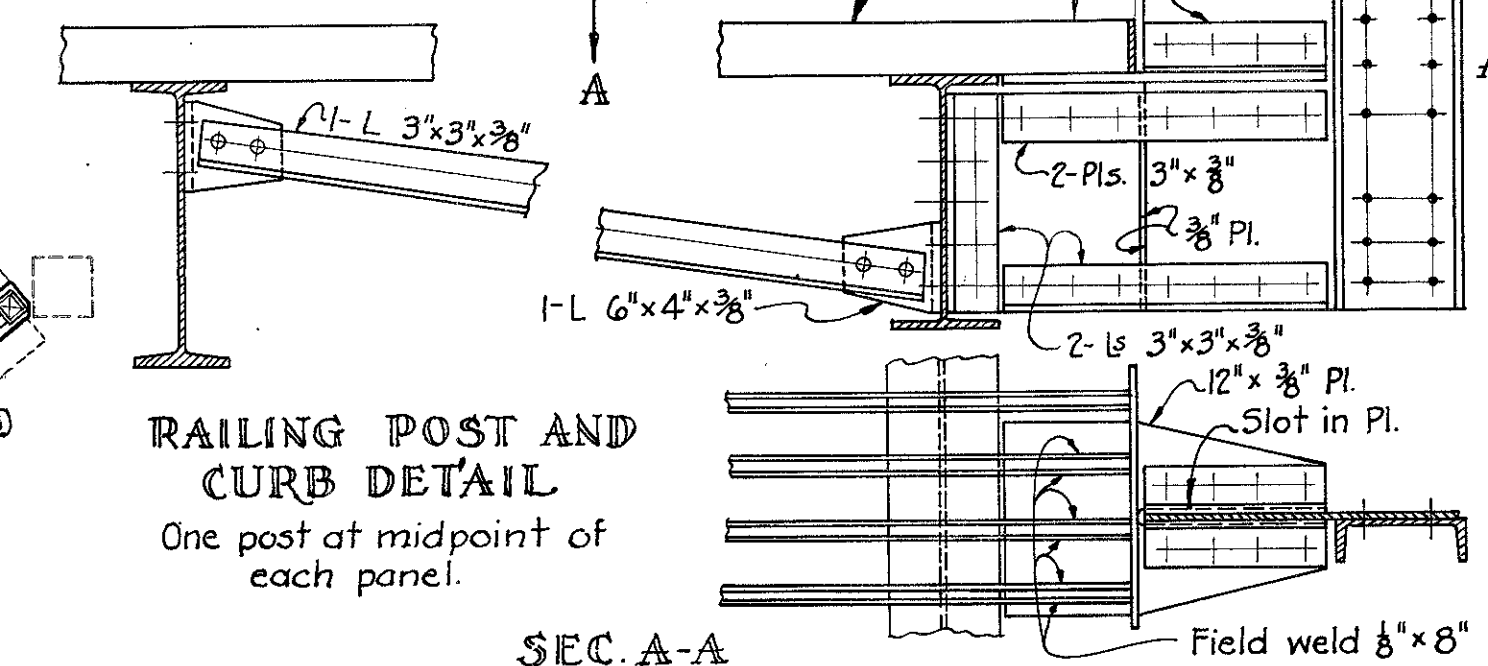
ROCKERS shall be so placed that when the bridge is completed they will stand in a vertical position at average temperature. * * * * *

$\frac{1}{8}$ " SHEET LEAD placed under all base plates and bolsters.

1 1/4" SWEDGED ANCHOR BOLTS set 1'-3" into masonry used in new castings. Size of bolts for old castings to be determined in the field. Drilling holes included with "Structural Steel" for payment. • • • • •

ESTIMATED WEIGHT of steel castings includes an additional 5% for fillets and over-run. " " " "

BACKWALL AND APPROACH SLABS to be built with high-early-strength cement.



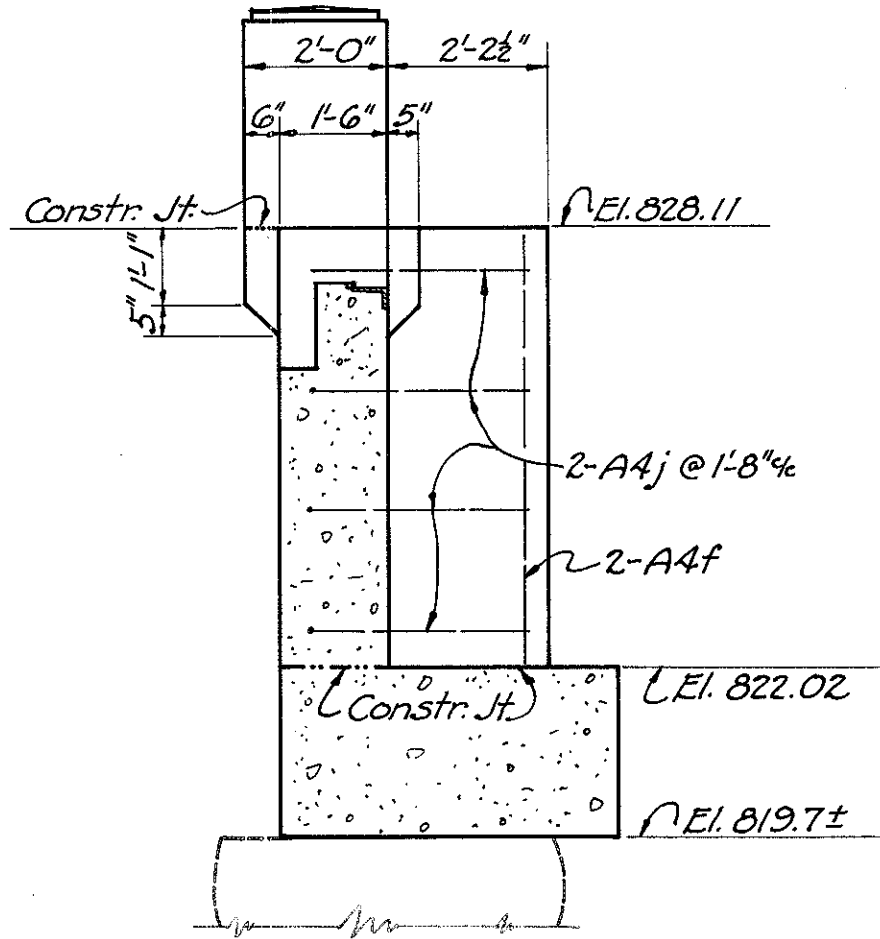
♦ ESTIMATED ♦ QUANTITIES ♦

	E-2	Steel sheet piling to be left in place	1080 Sq. Ft.		
(45)	E-2	Excavation for structures, unclassified	60 Cu Yds.	64 Cu Yd	2
	E-2	Porous backfill	Lump * Sum		
(45)	S-1	6 1/2" concrete, walls (using cement as per Sec. M-12 for backwalls)	65 Cu Yds.	678 Cu Yd	2
(45)	S-3	Type "B" waterproofing	35 Sq Yds.	343 Sq Yd	2
(45)	S-4	Reinforcing steel	6010 lbs.	6117 Lb	2
(45)	S-7	Structural steel (except field painting)	81000 lbs.	81105 Lb	6
	S-7	Steel castings (except field painting)	830 lbs.		
	S-7 & 24	Dismantle, Move and Re-erect existing Structural Steel (except painting)	Lump * Sum		
	S-8	Field painting of new structural steel and steel castings	81830 lbs.		
	S-8	Cleaning and painting of existing structural steel	Lump * Sum		
	S-14	Bridge Railing (Concrete)	54 Lin. Ft.		
(45)	S-22	Removal of portions of existing masonry	74 Cu Yds.	76 Cu Yd	2
(45)	S-23	Dowel holes for 3/4" dowels.	121 Lin. Ft.	108 Lin Ft	2
	S-24	Removal of existing highway superstructure	Lump * Sum		
		Supplemental Specification No. 88 - Armored composite Bridge Floor Slabs	3276 Sq. Ft.		
	S-15	Temporary bridges and approaches, and maintenance of traffic	Lump * Sum.		

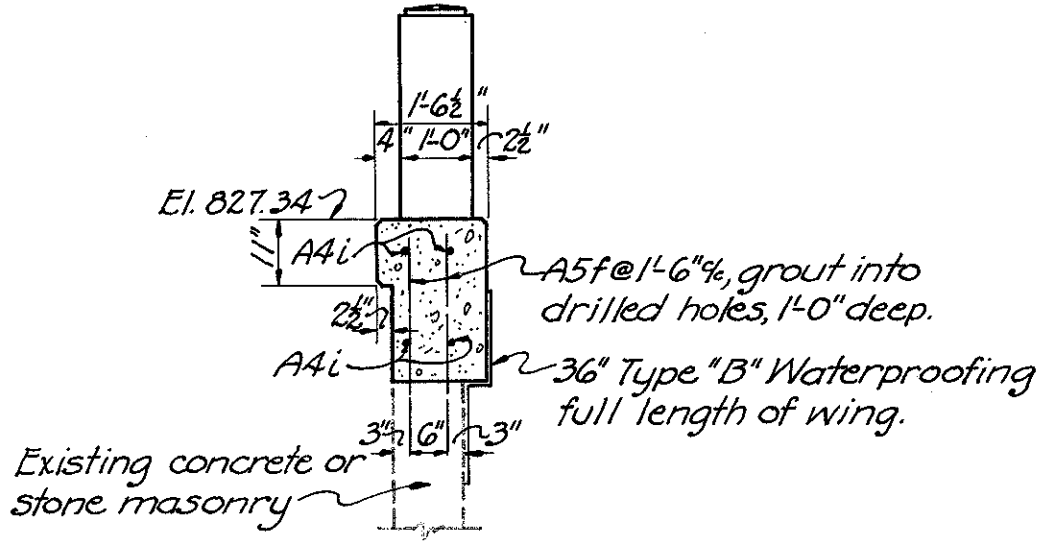
STATE OF OHIO
DEPARTMENT OF HIGHWAYS
BUREAU OF BRIDGES

* GENERAL PLAN AND ELEVATION *
* NOTES AND ESTIMATED QUANTITIES *
* . . . BRIDGE NO. GR. 68-134 . . . *
* . . . OVER MASSIE CREEK . . . *
* S. H. 195 . . . SEC. H *
* GREENE COUNTY . . . STA. 123+84.63 *

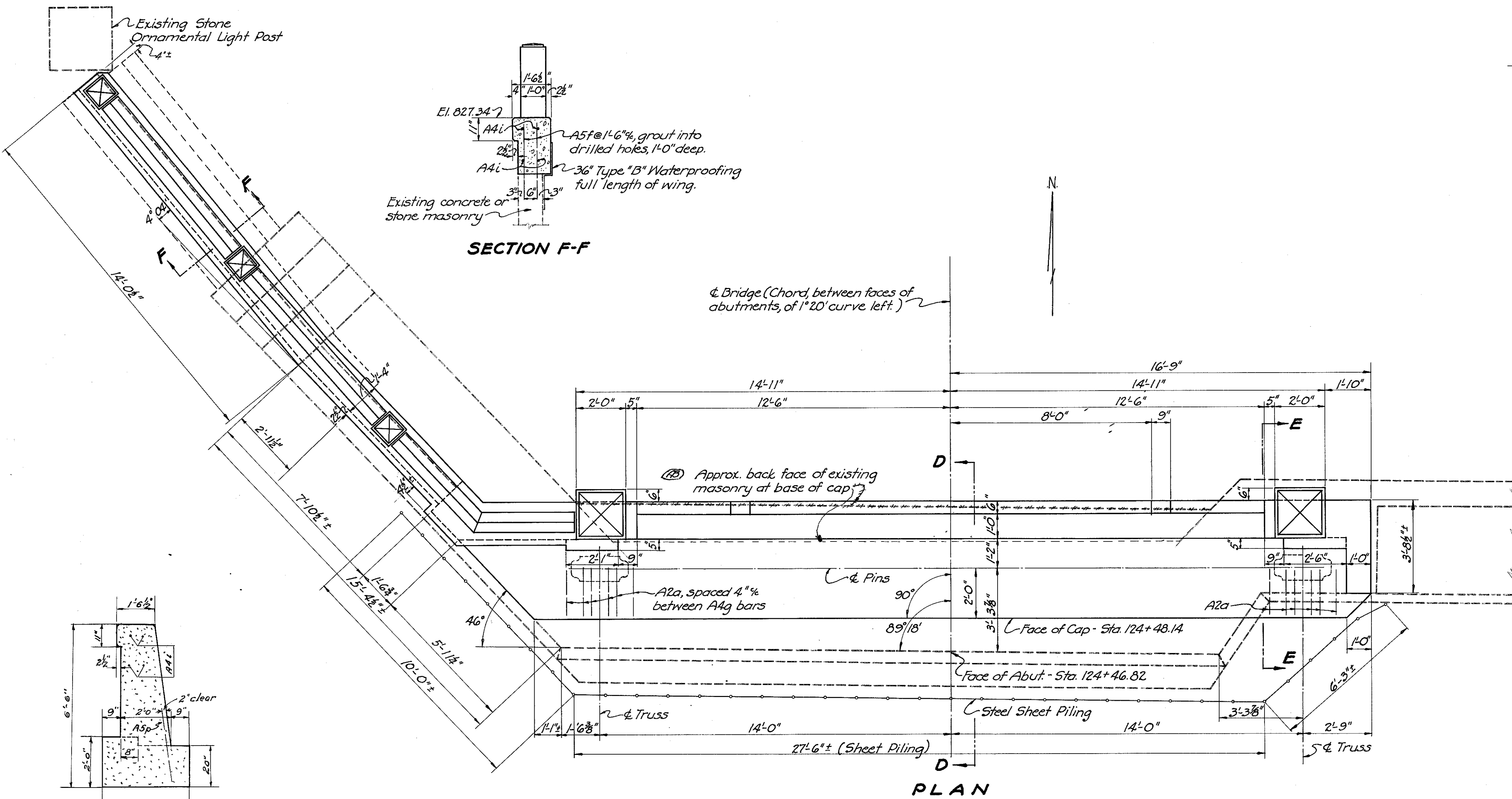
DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
C.R.R.	C.R.R.	R.H.L.	<i>[Signature]</i>	M.S.H. M.H.C.	6/28/37	7/1/37 10/20/37



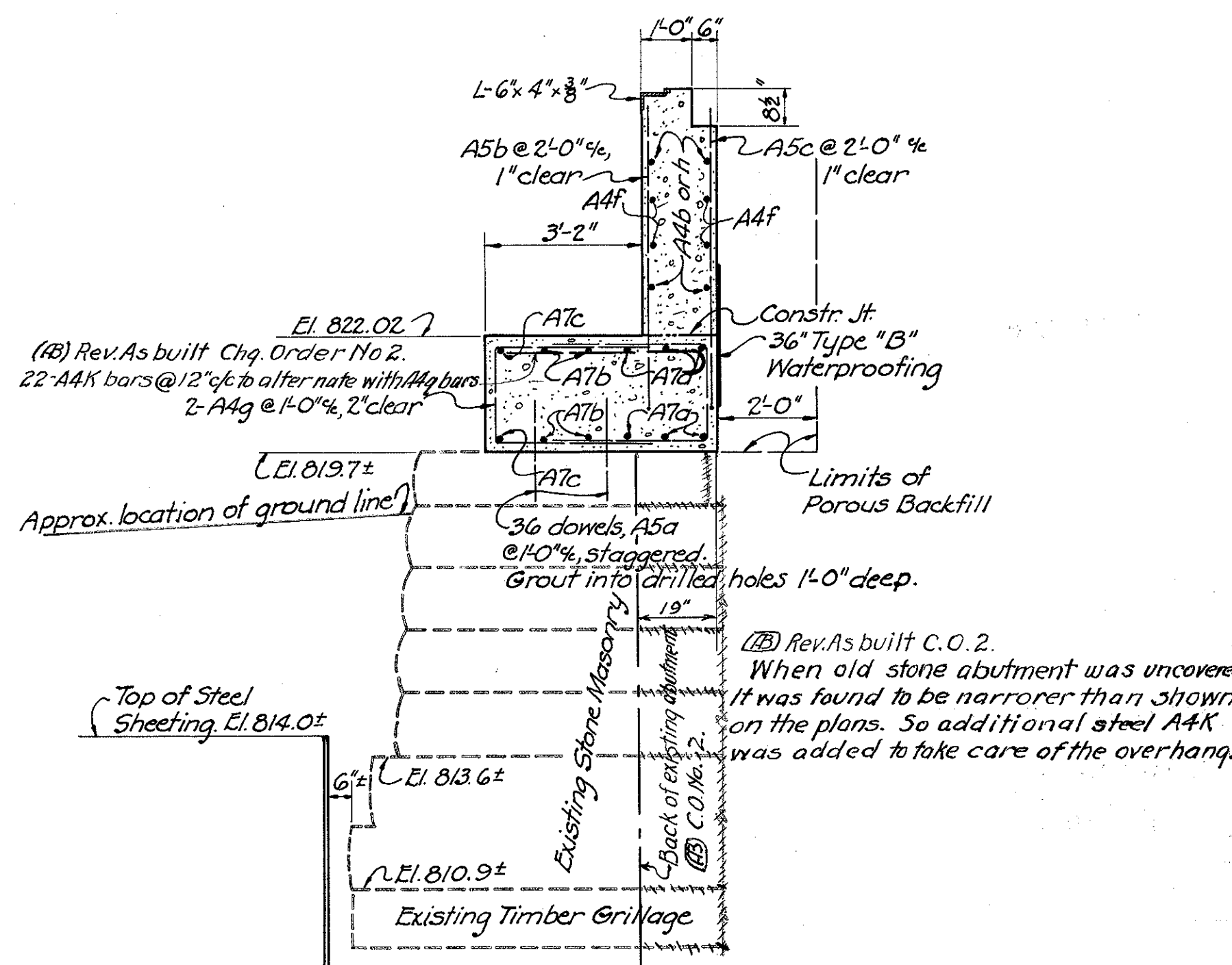
SECTION E-E



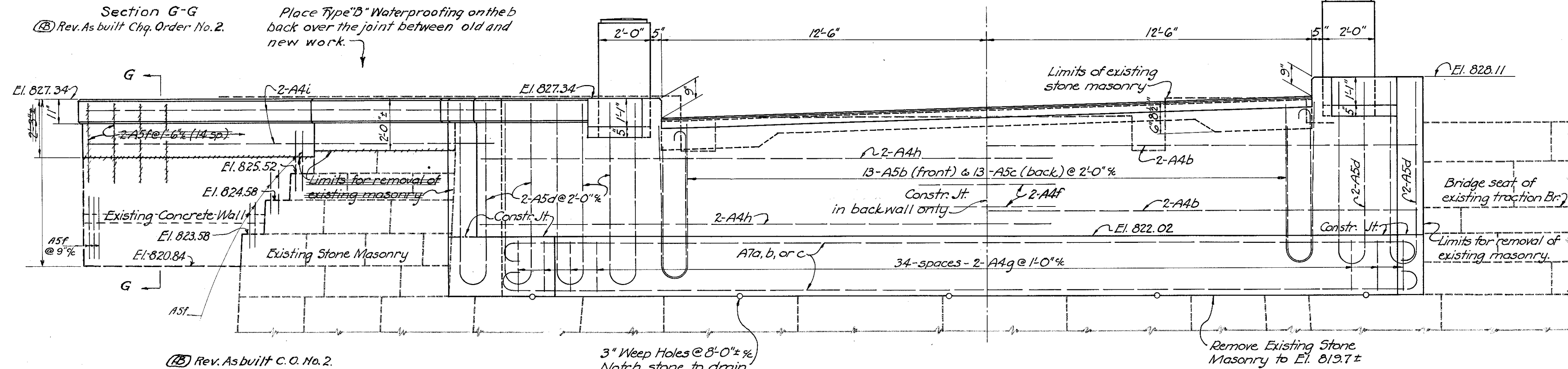
SECTION F-F



PLAN



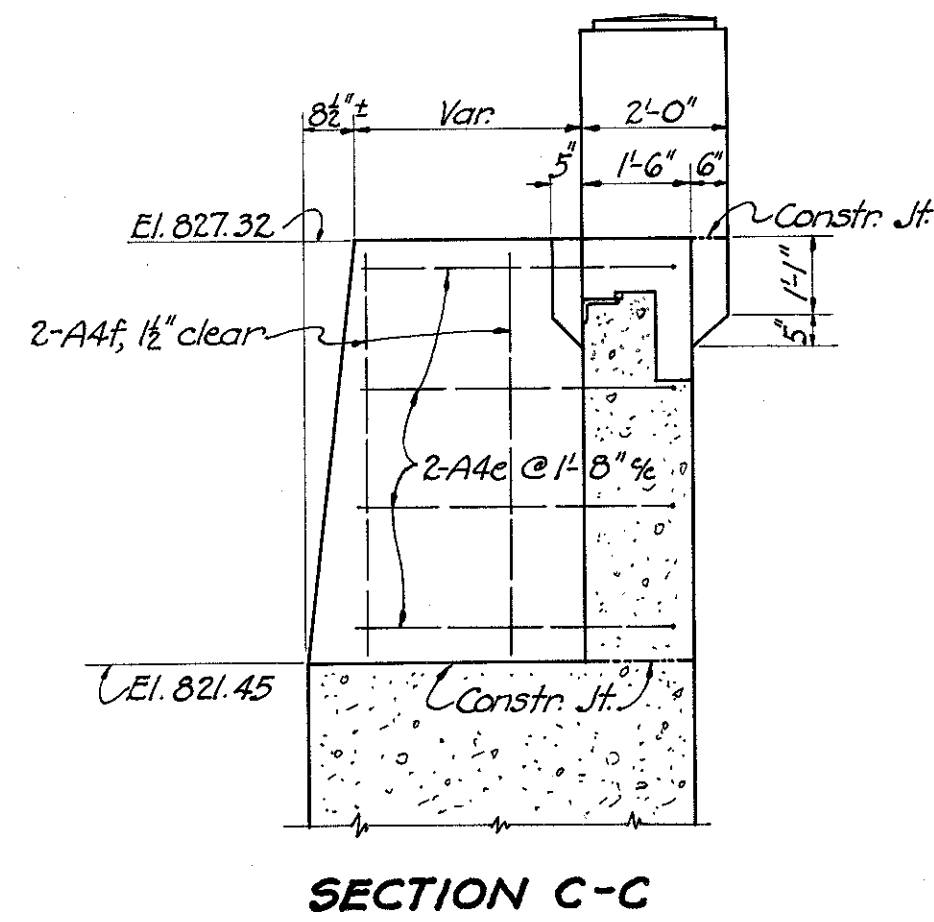
SECTION D-D



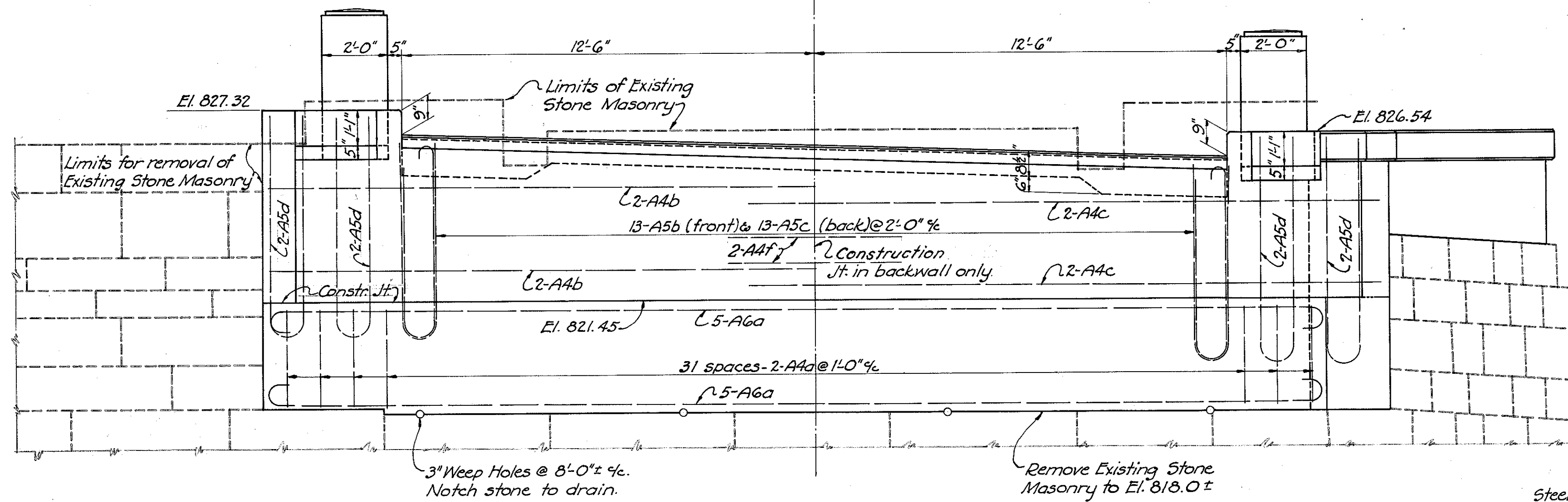
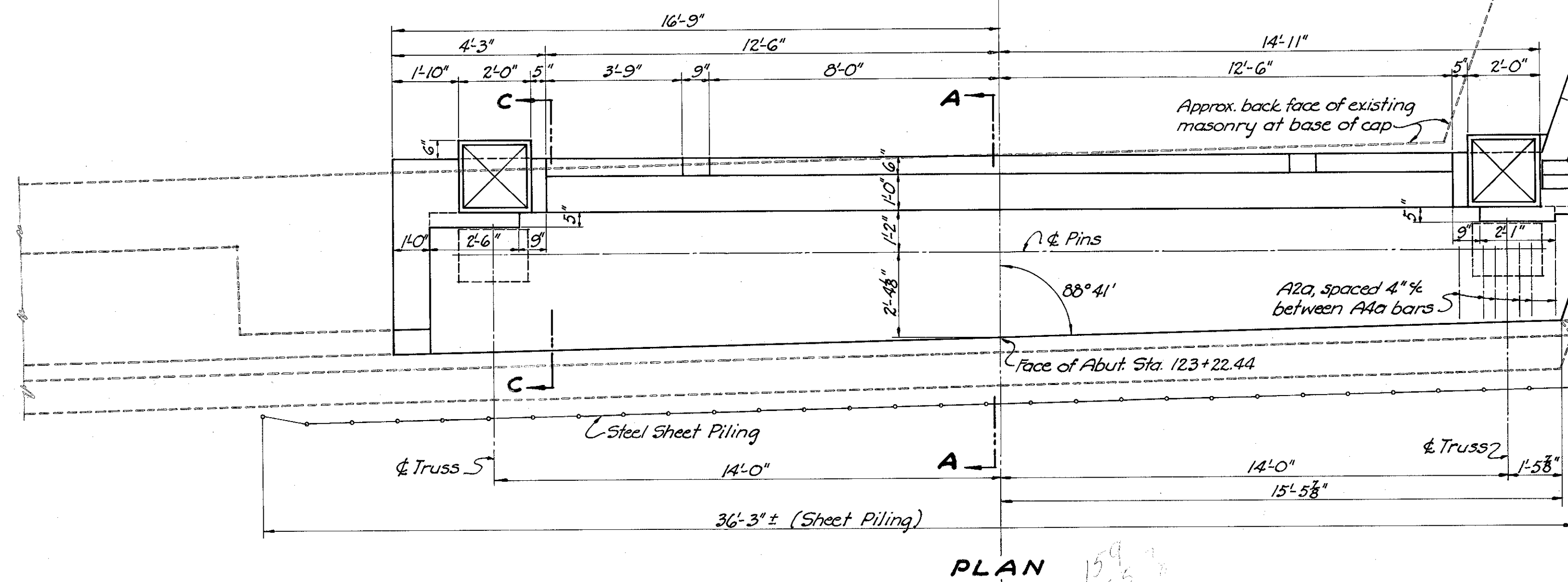
FRONT ELEVATION

NOTE:- For railing details see Sheet No. 99.
For additional alterations to existing abutments see Sheet No. 95.

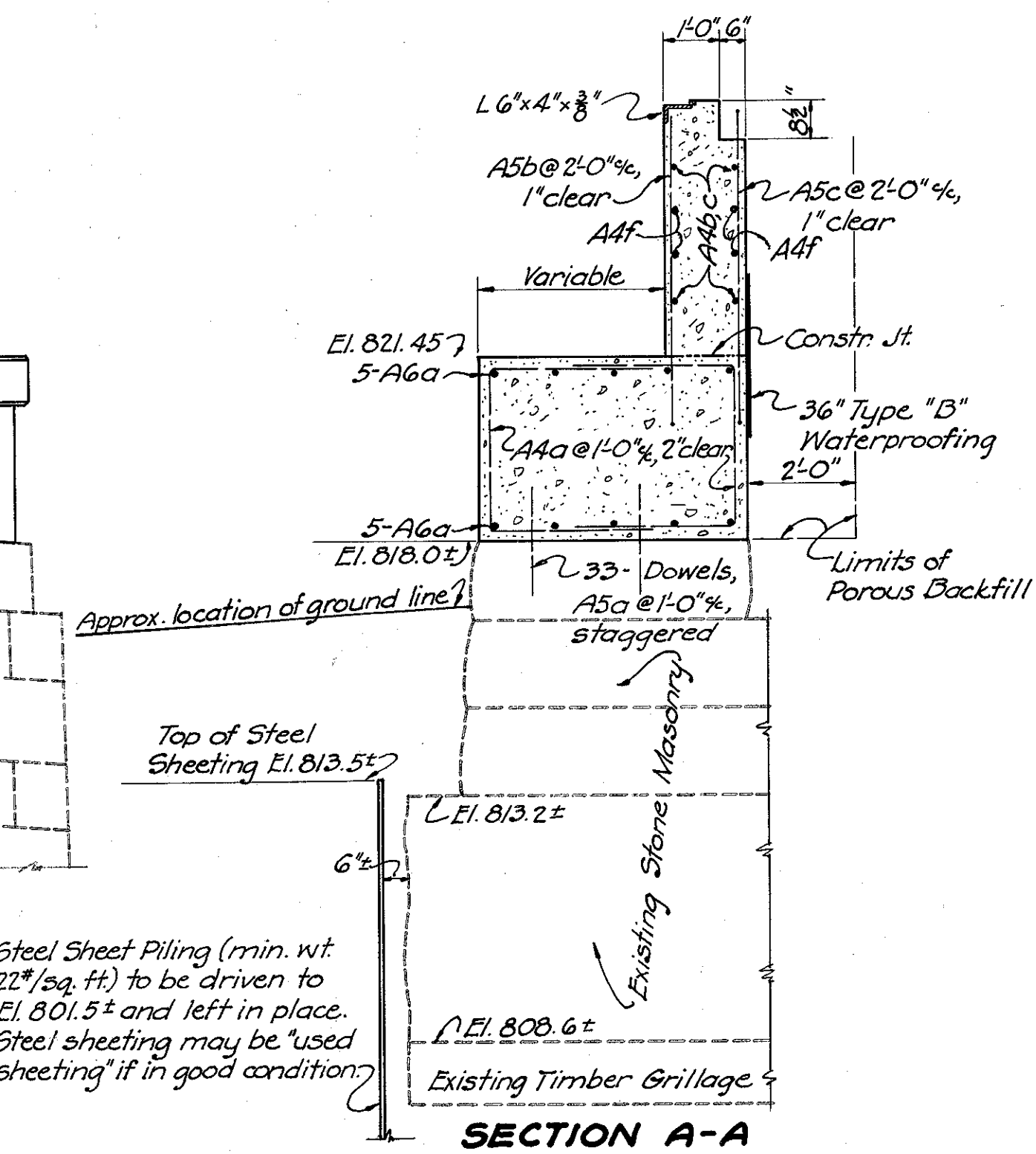
STATE OF OHIO DEPARTMENT OF HIGHWAYS BUREAU OF BRIDGES					
NORTH ABUTMENT DETAILS					
BRIDGE NO. GR-68-134 OVER MASSIE CREEK					
GREENE COUNTY			S. H. 195		
SECTION H			STA. 123 + 84.63		
DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE
C.R.P.	C.R.P.	P.R.	M.C.	M.T.H.	6/28/37
Revised As-Built 5-11-39 F.C.N.					7/1/37



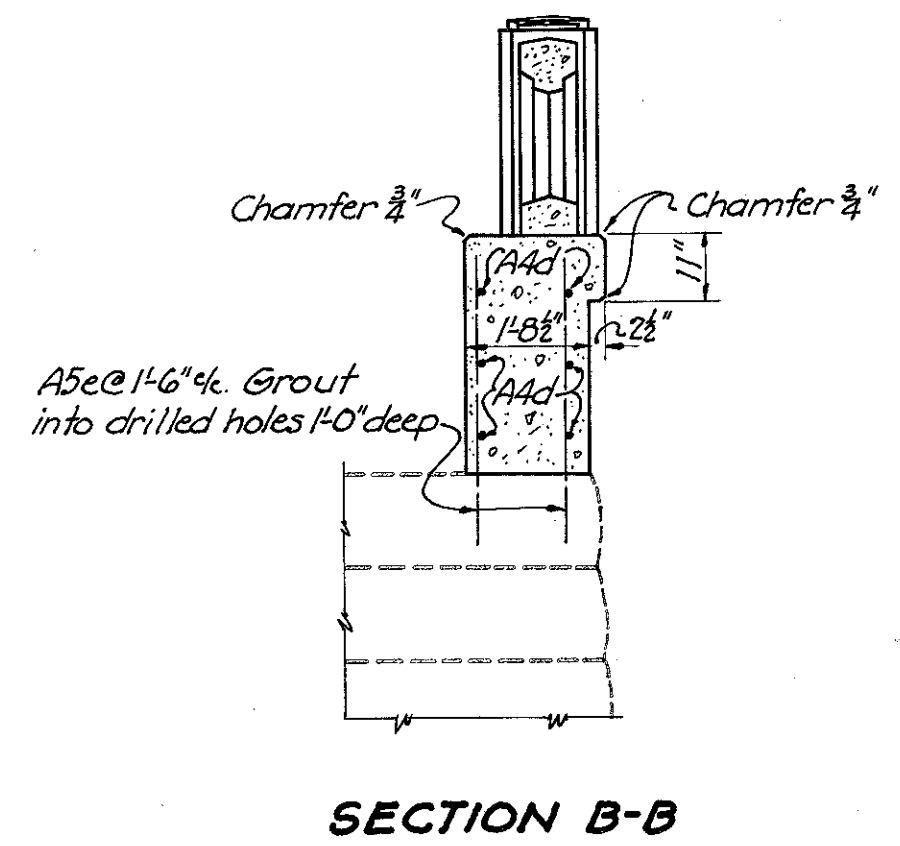
Bridge (Chord, between faces of abutments, of 1°20' curve left.)



Place 36" Type "B" Waterproofing back of vertical joint in backwall.



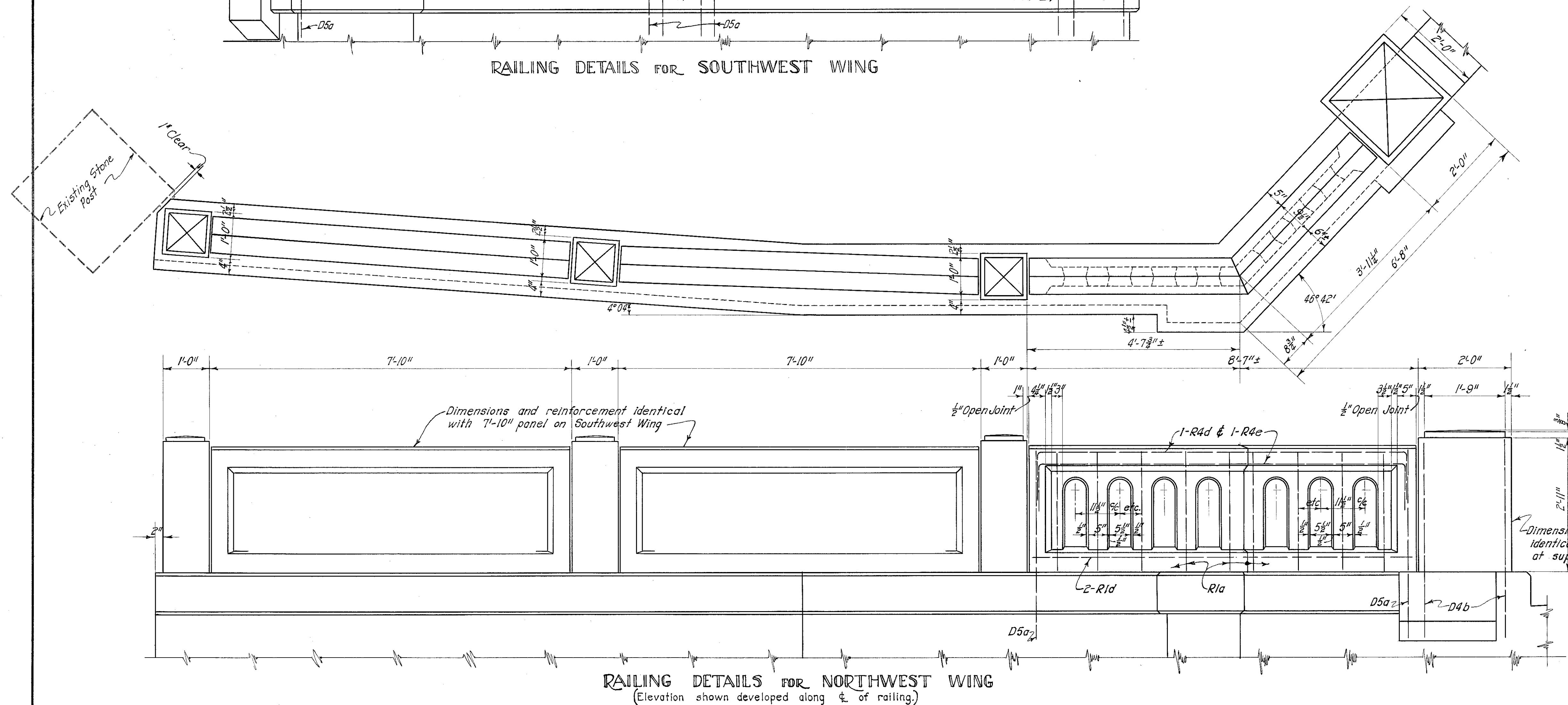
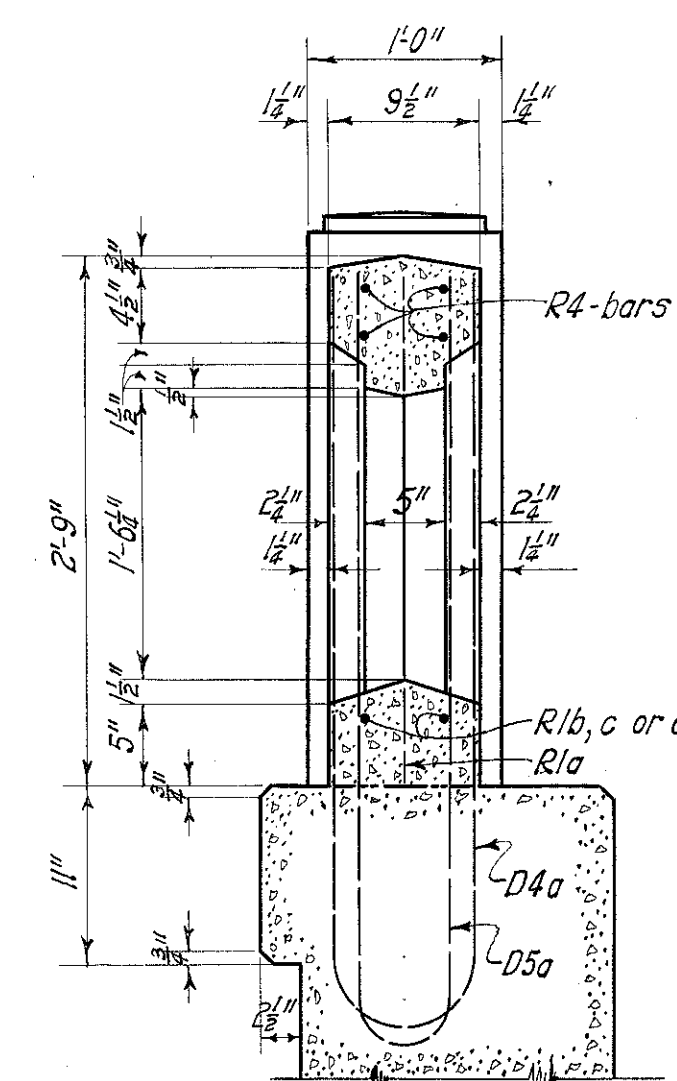
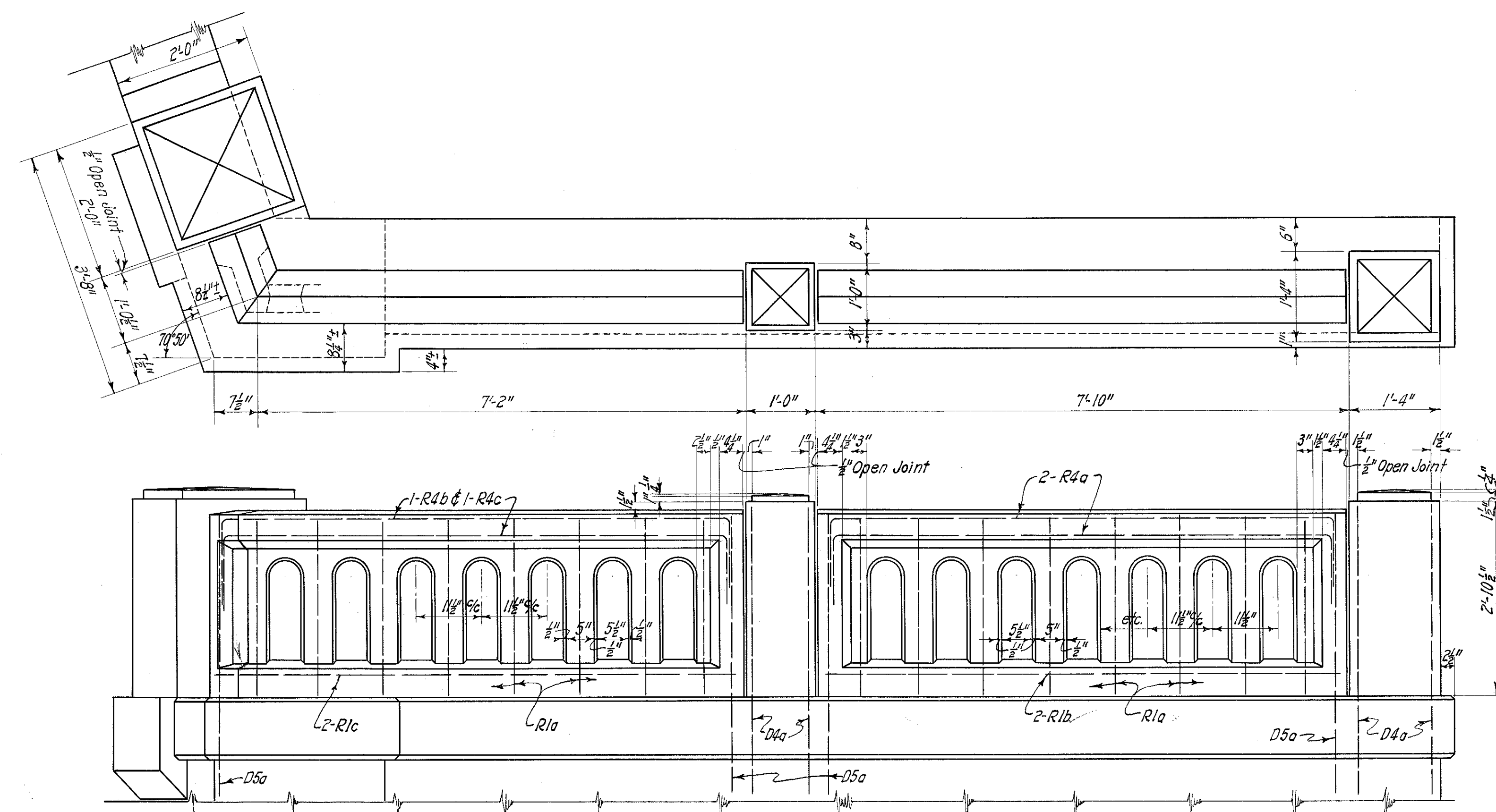
Steel Sheet Piling (min. wt. 22" sq. ft.) to be driven to El. 801.5± and left in place. Steel sheeting may be "used sheeting" if in good condition.



NOTE: For railing details see Sheet No. 99.
For additional alterations to existing abutments see Sheet No. 95.

STATE OF OHIO DEPARTMENT OF HIGHWAYS BUREAU OF BRIDGES					
SOUTH ABUTMENT DETAILS					
BRIDGE NO. 62-68-134 OVER MASSIE CREEK					
GREENE COUNTY			S. H. 195		
SECTION H			STA. 123+84.63		
DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE
C.P.	C.P.	J.P.	M.C.	M.C.	6/18/37

GREENE COUNTY
S.H. 195 SEC. 4 & F (Pt).



STEEL LIST

Mark	Size	No.	Length	Weight	Shape
SOUTH ABUTMENT					
A6a	$\frac{3}{8}" \phi$	10	33'-9"	690	Bt.
A5a	$\frac{3}{8}" \phi$	33	2'-0"	100	Str.
A5b	$\frac{3}{8}" \phi$	13	12'-6"	240	Bt.
A5c	$\frac{3}{8}" \phi$	13	12'-6"	240	Bt.
A5d	$\frac{3}{8}" \phi$	8	14'-6"	170	Bt.
A5e	$\frac{3}{8}" \phi$	22	4'-0"	130	Str.
A4a	$\frac{3}{8}" \phi$	64	9'-3"	620	Bt.
A4b	$\frac{3}{8}" \phi$	4	16'-6"	70	Str.
A4c	$\frac{3}{8}" \phi$	4	19'-9"	80	Bt.
A4d	$\frac{3}{8}" \phi$	6	17'-9"	110	Str.
A4e	$\frac{3}{8}" \phi$	8	6'-6"	50	Bt.
A4f	$\frac{3}{8}" \phi$	8	5'-6"	50	Str.
A2a	$\frac{1}{2}" \phi$	6	5'-9"	20	Bt.

NORTH ABUTMENT

A7a	$\frac{1}{2}" \phi$	6	37'-6"	600	Bt.
A7b	$\frac{1}{2}" \phi$	4	36'-0"	380	Bt.
A7c	$\frac{1}{2}" \phi$	2	34'-0"	190	Bt.
A5a	$\frac{3}{8}" \phi$	36	2'-0"	110	Str.
A5b	$\frac{3}{8}" \phi$	13	12'-6"	240	Bt.
A5c	$\frac{3}{8}" \phi$	13	12'-6"	240	Bt.
A5d	$\frac{3}{8}" \phi$	12	14'-6"	260	Bt.
A5f	$\frac{3}{8}" \phi$	30	2'-9"	120	Str.
A4b	$\frac{3}{8}" \phi$	4	16'-6"	70	Str.
A4f	$\frac{3}{8}" \phi$	6	5'-6"	30	Str.
A4g	$\frac{3}{8}" \phi$	70	8'-0"	580	Bt.
A4i	$\frac{3}{8}" \phi$	4	22'-0"	90	Str.
A4j	$\frac{3}{8}" \phi$	4	25'-0"	100	Bt.
A4j	$\frac{3}{8}" \phi$	8	5'-3"	40	Bt.
A2a	$\frac{1}{2}" \phi$	12	5'-9"	50	Bt.

RAILING (N. & S. ABUTM^T.)

D5a	$\frac{3}{8}" \phi$	10	8'-3"	120	Bt.
D4a	$\frac{3}{8}" \phi$	10	8'-6"	90	Bt.
D4b	$\frac{3}{8}" \phi$	8	9'-0"	80	Bt.
R4a	$\frac{3}{8}" \phi$	12	9'-3"	*	Bt.
R4b	$\frac{3}{8}" \phi$	2	9'-9"	*	Bt.
R4c	$\frac{3}{8}" \phi$	2	9'-3"	*	Bt.
R4d	$\frac{3}{8}" \phi$	2	8'-9"	*	Bt.
R4e	$\frac{3}{8}" \phi$	2	10'-0"	*	Bt.
R1a	$\frac{3}{8}" \phi$	41	2'-7"	*	Str.
R1b	$\frac{3}{8}" \phi$	6	7'-6"	*	Str.
R1c	$\frac{3}{8}" \phi$	2	7'-9"	*	Str.
R1d	$\frac{3}{8}" \phi$	2	8'-3"	*	Str.

REPLACEMENT

RE7	$\frac{1}{2}" \phi$	1	8'-0"	20	Str.
RE6	$\frac{3}{8}" \phi$	1	7'-6"	20	Str.
RE5	$\frac{3}{8}" \phi$	1	7'-0"	10	Str.
RE4	$\frac{3}{8}" \phi$	1	6'-6"	10	Str.
RE2	$\frac{3}{8}" \phi$	1	6'-0"	0	Str.
RE1	$\frac{3}{8}" \phi$	1	5'-6"	0	Str.

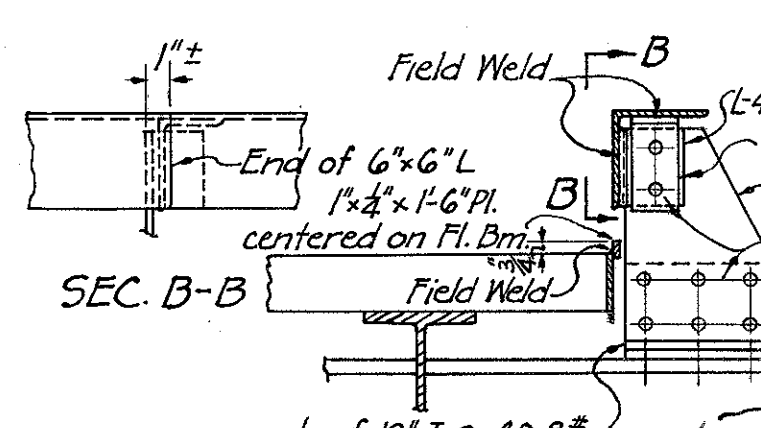
Bending Diagrams

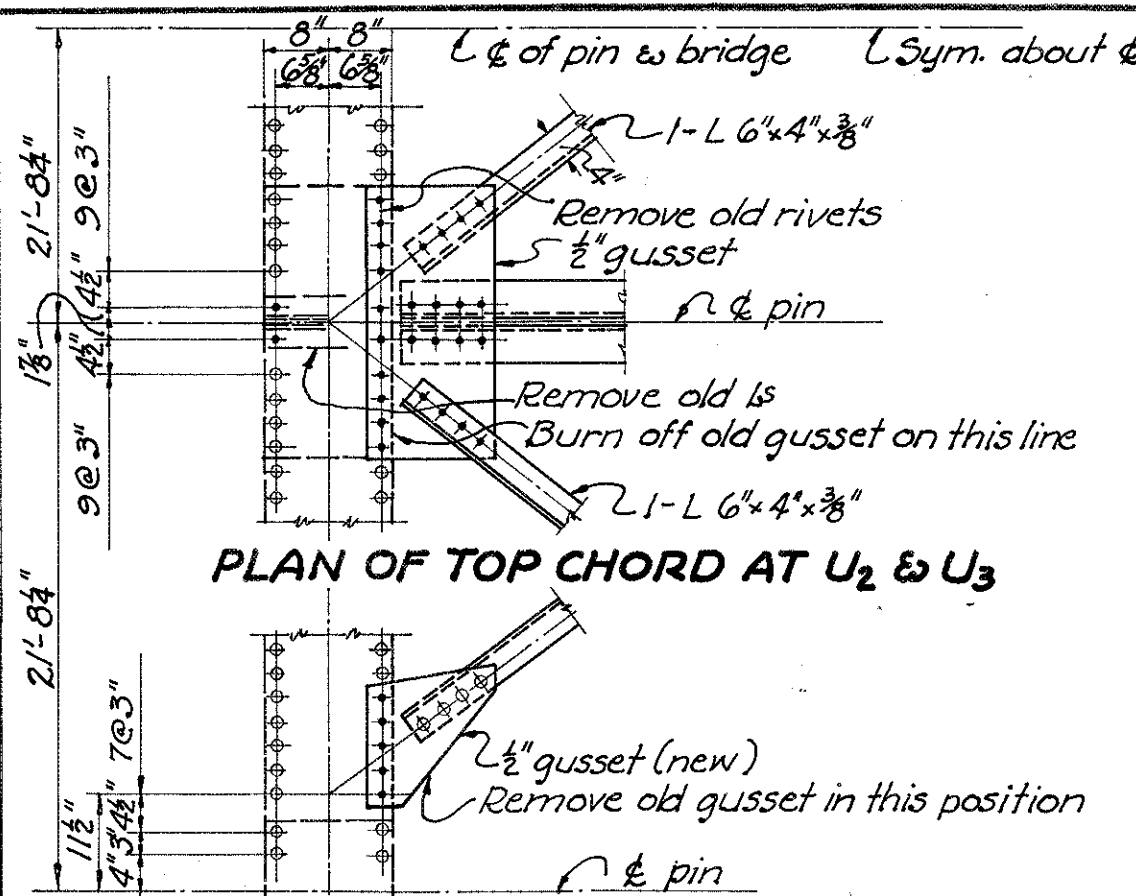
* Included with railing for payment.

* Bend in field to fit bend in railing.

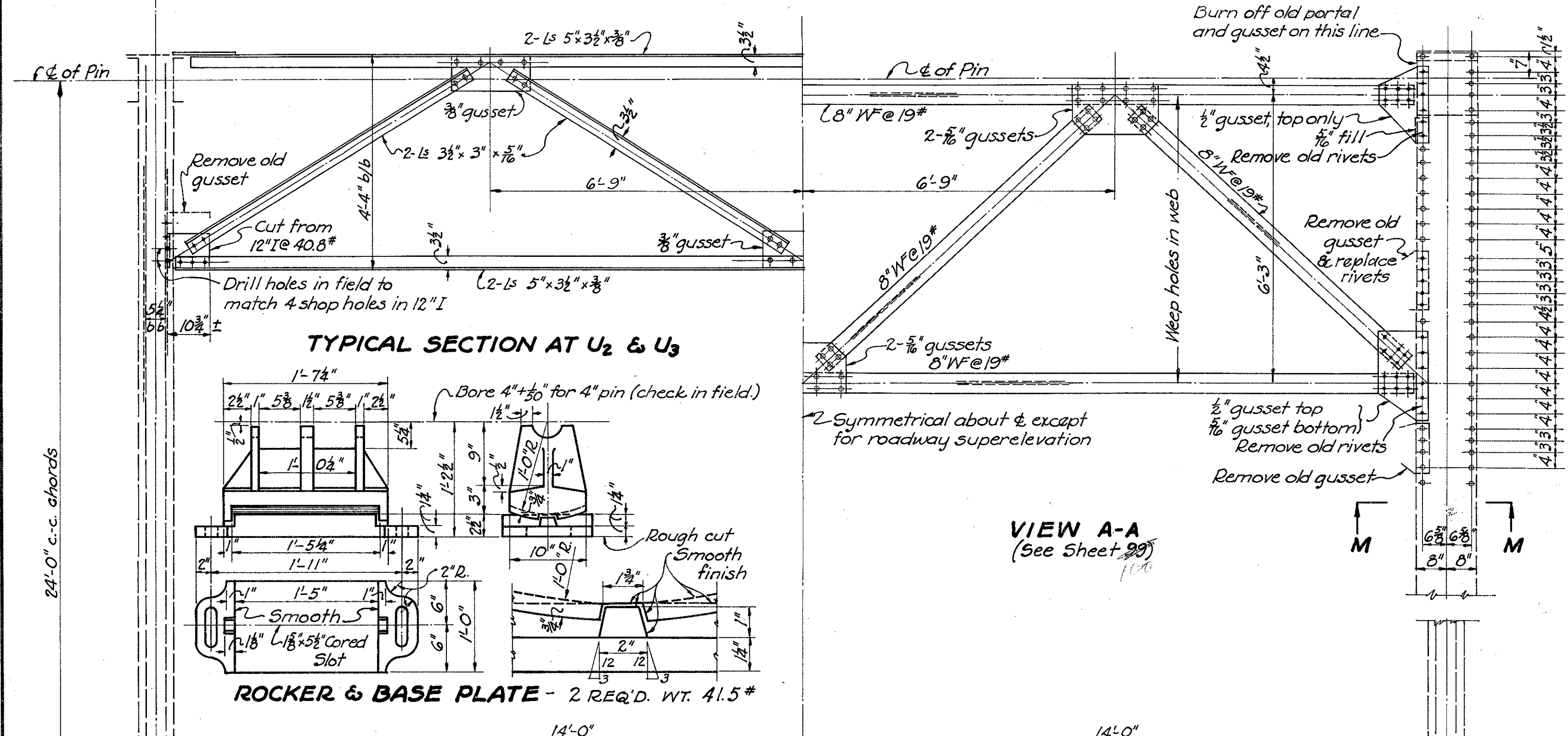
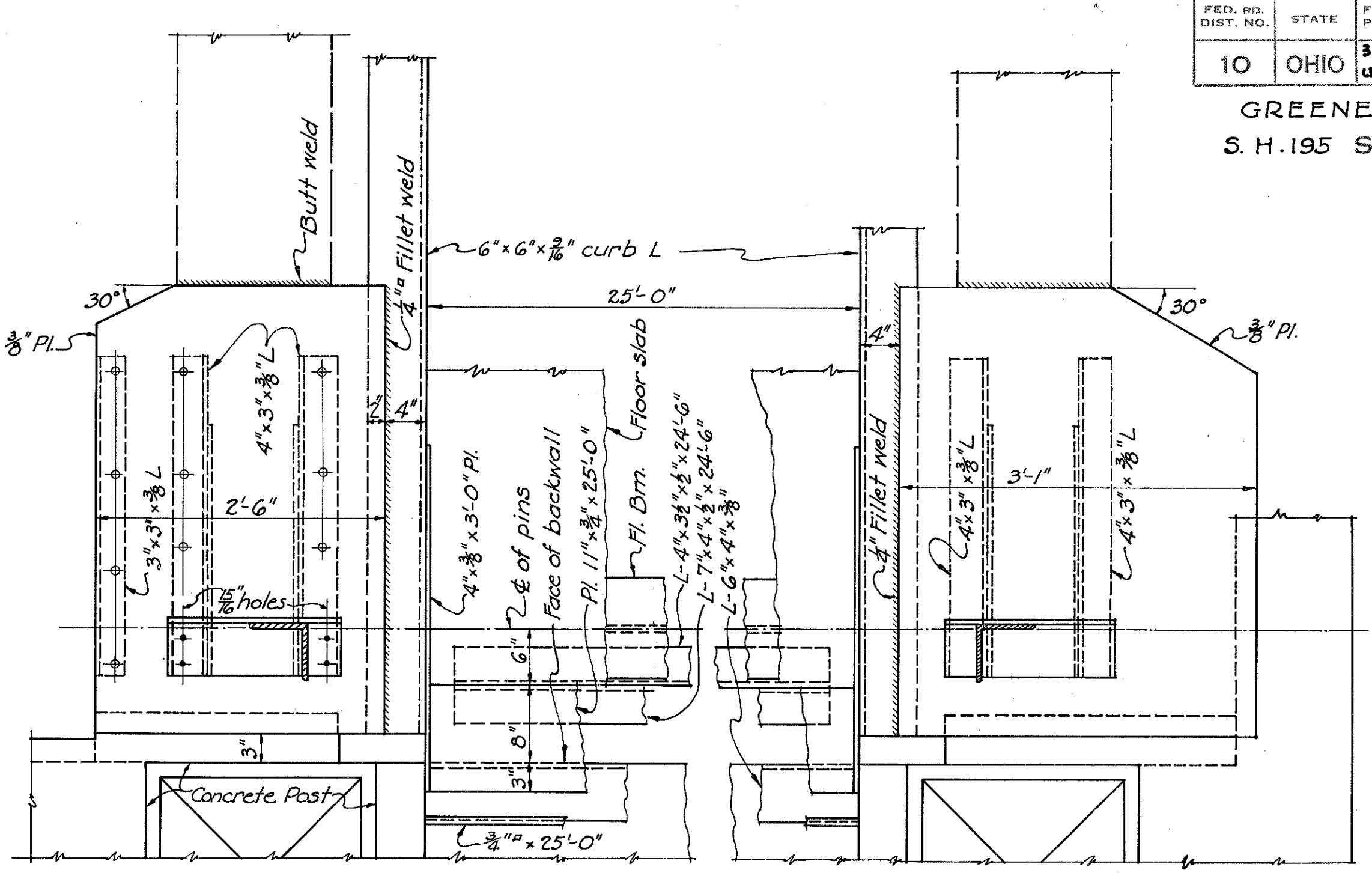
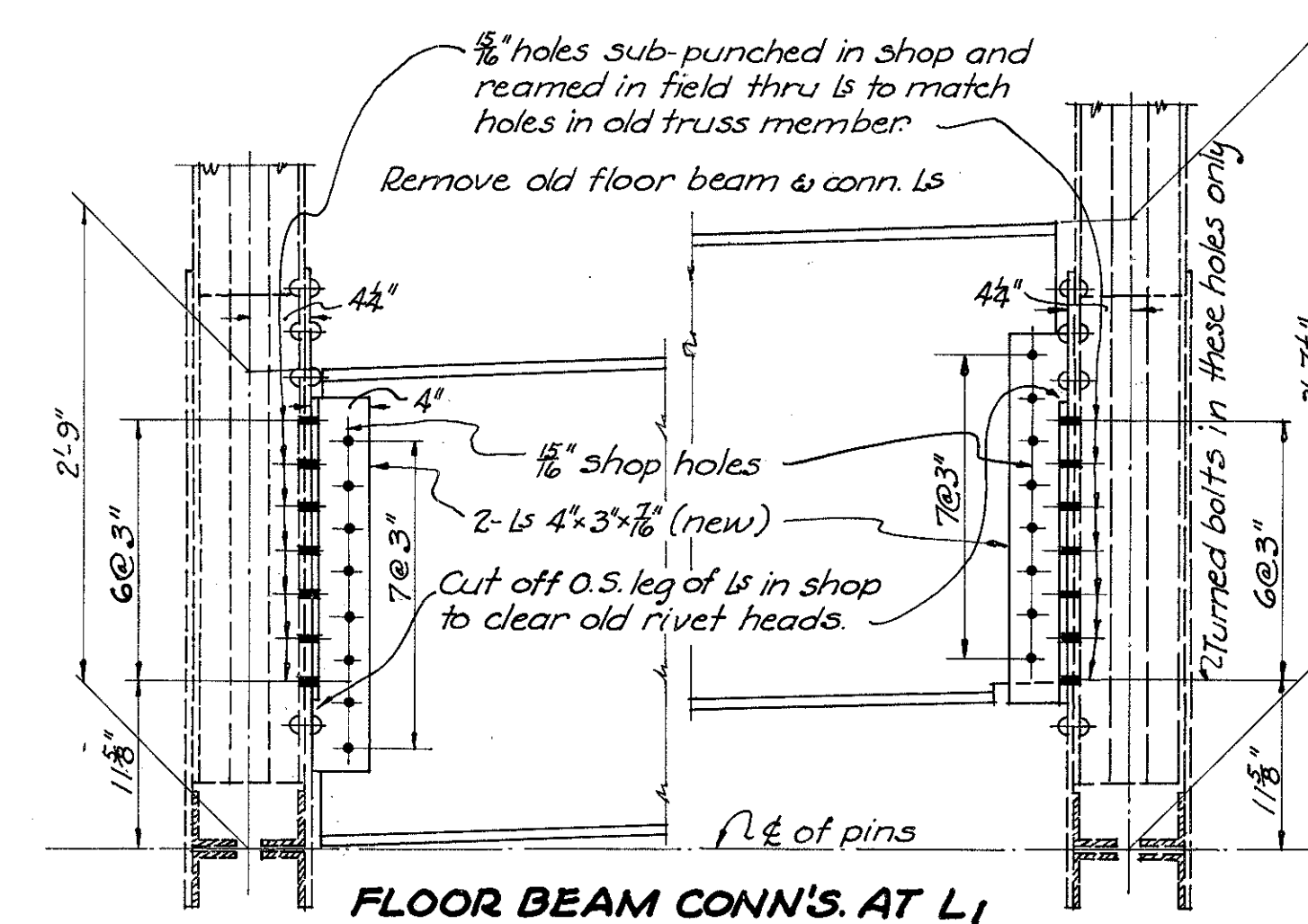
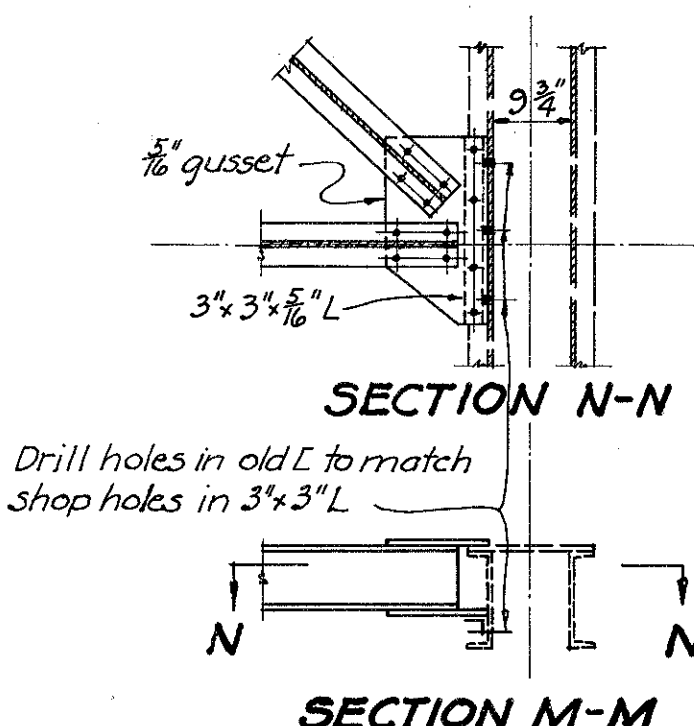
DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
RLK	RLK	J. E.	MAR	V. S. H. H. S. C.	6/28/37	10/20/37

**HUB GUARD
DETAIL AT L1**

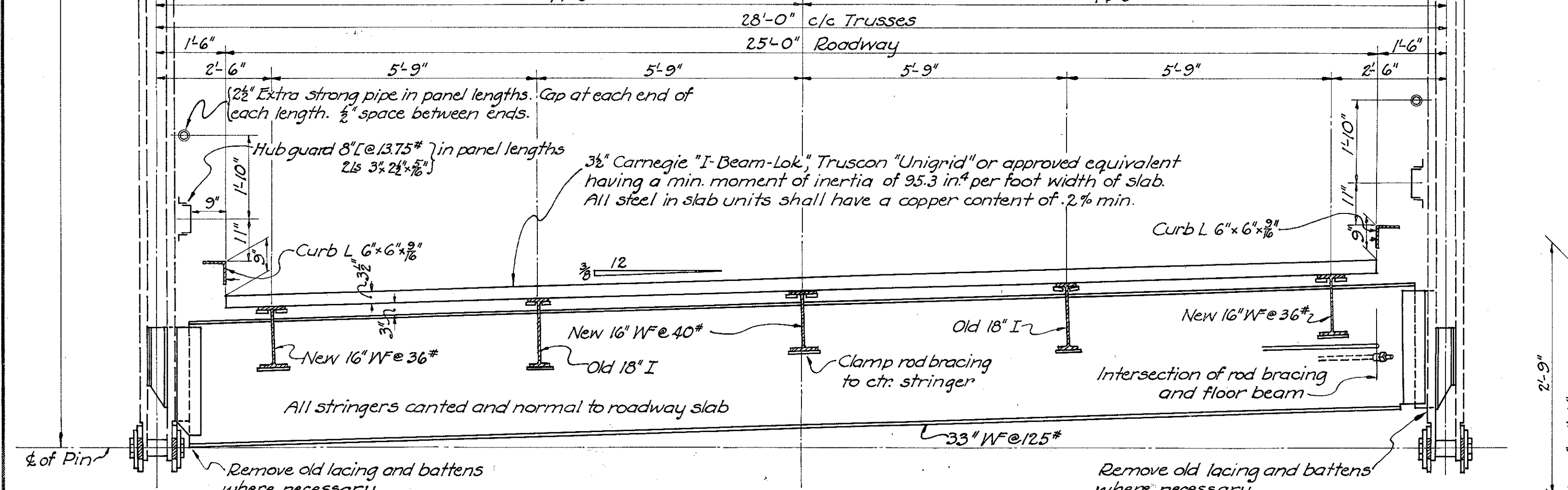




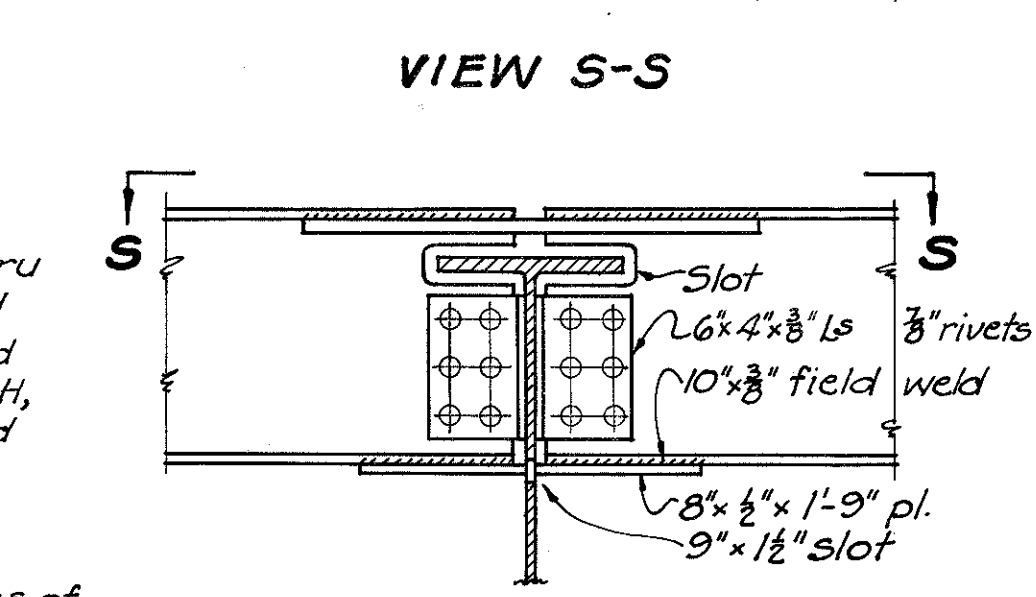
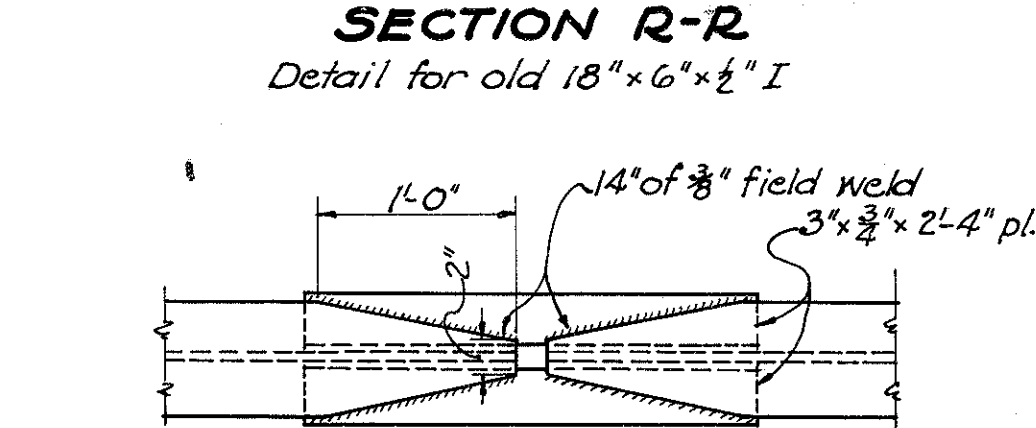
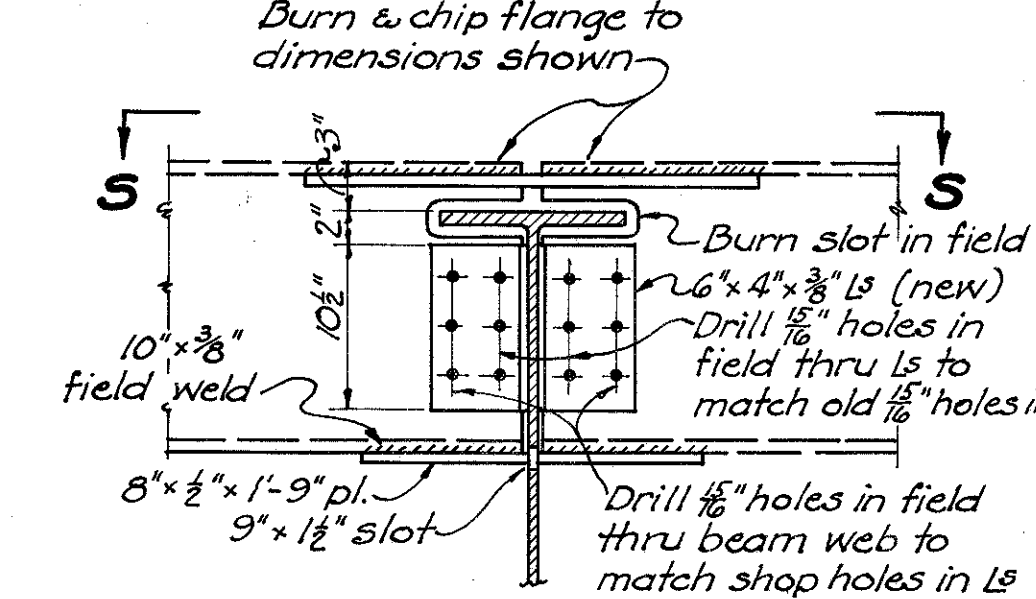
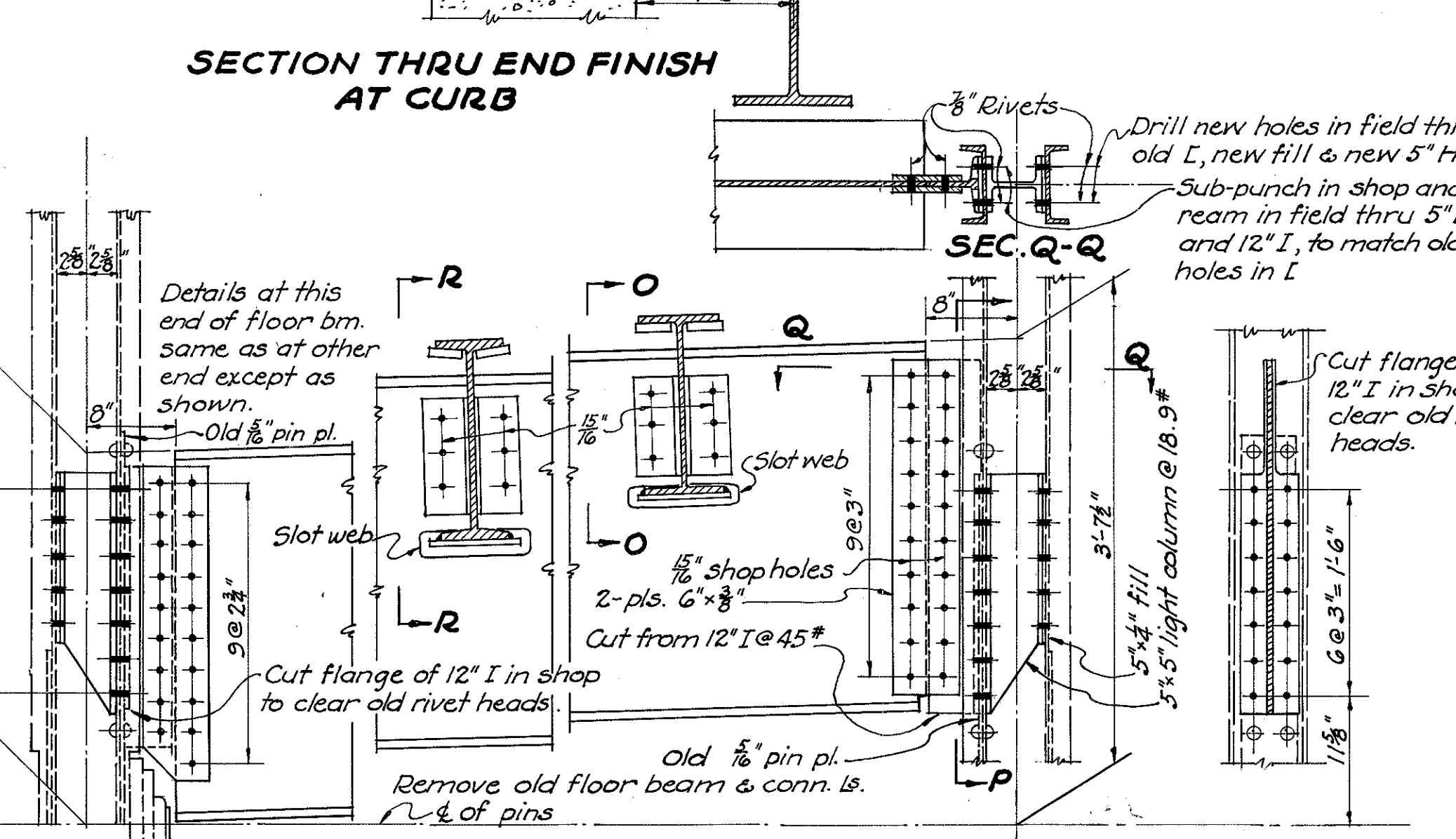
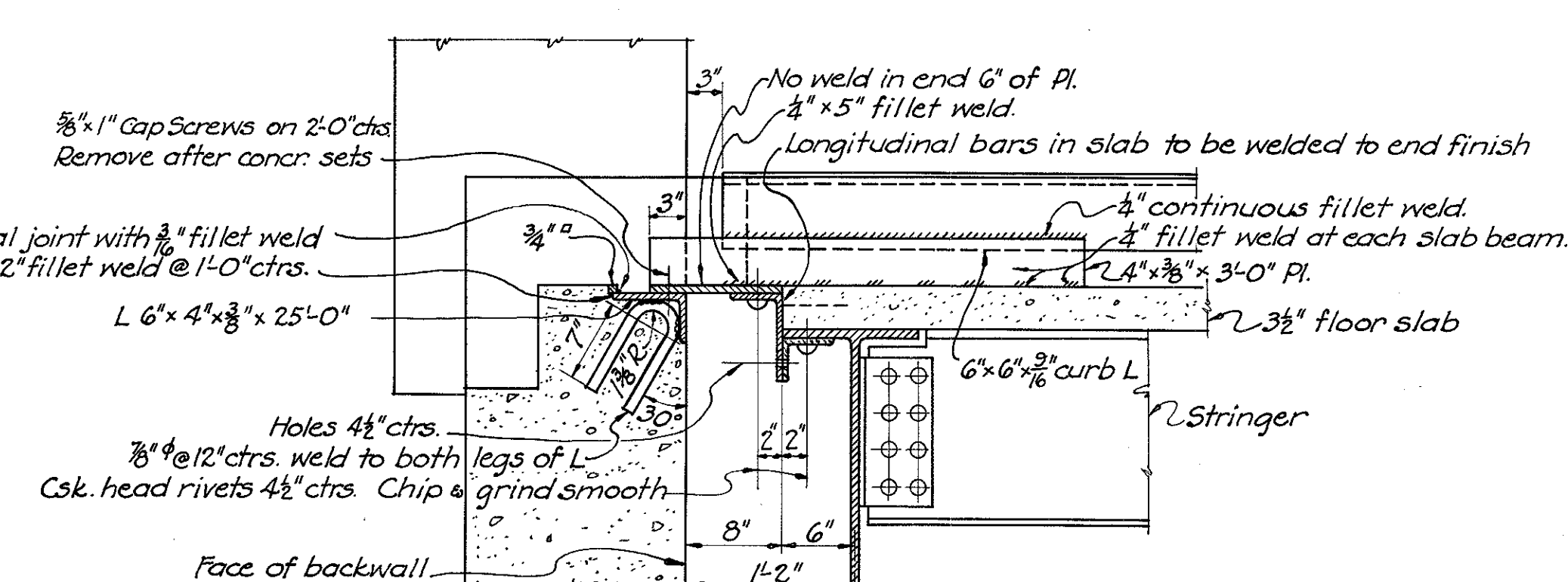
PLAN OF TOP CHORD AT U₁



VIEW A-A
(See Sheet 99)



For NOTES see Sheets No. 95 and 99



STATE OF OHIO DEPARTMENT OF HIGHWAYS BUREAU OF BRIDGES									
SUPERSTRUCTURE DETAILS									
BRIDGE NO. GR-68-134 OVER MASSIE CREEK									
GREENE COUNTY					S. H. 195				
SEC. H					STA 132+84.63				
DESIGNED RLK	DRAWN RLK	TRACED J.R.P.	CHECKED W.H.	REVIEWED H.K.W.	DATE 6/23/37	REVISED 12/29/37			

SUMMARY OF QUANTITIES

FED. RD. DIST. NO.	STATE	FED. AID PROJECT	FISCAL YEAR
10	OHIO	339 RE UNIT-1	1937

102
105

GREENE COUNTY
S.H.195 SEC."H&F-PT."

DRIVES, ROAD APPROACHES, FLARES, CONCRETE SIDEWALKS AND STEPS

Sheet No	7" Reinf. Conc. Pav't. Item T-71 Add. Deduc't. Sq.Yd.	9" Conc. Pavement Item T-70 Sq.Yd.	6" Conc. Pavement Item T-70 Sq.Yd.	Type 3-A Conc. Curb (Straight) Net Deduction Item I-12 Lin. Ft.	Type I-A Conc. Curb Item I-12 Lin. Ft.	Type I-A Mod. Conc. Curb (Straight) and Gutter Item I-12 Lin. Ft.	Removal and Disposal of Exist. Conc. Curb and Gutter Item-Special Lin. Ft.	Traffic Bound Size No 46 Item I-17 Cu.Yd.	4" Conc. Sidewalk Item I-13 Sq.Ft. Add. Deduc't.	Conc. Steps 6" Rise 18" Tread Item-Special Lin. Ft.	Conc. Steps 7" Rise 10 1/2" Tread Item-Special Lin. Ft.	Remove and Reset (3) Memorial Monuments Item-Special Lump Sum	Limestone Size No 46 (Sec. M 3.1) Item I-17 Cu.Yd.	Pipe ~ Item I-1 Lin. Ft.	12" 15" 18" 21"	Remove and Store Exist. Cable Guard Rail Item I-15 Lin. Ft.	Finishing Shoulders Slopes and Ditches Item E-205 Lin. Ft.	Removal of Exist. Conc. Pav't. Item E-8 Sq.Yd.	6" 8" Reinf.
37 FT. PAVEMENT																			
3		2.3		214.2	81.92	93.79		78.00	90	164.4									
4	126.1			81.4	53.62	14.12			12	38.6	40							28.1	
9				276.8					34	2446.6	20	28		30				16.3	
10	55.6			48.6	56.04	56.59			26	3068.8	57						60		
Totals	181.7	2.3		621.0	191.58	164.50		78.00	162	5718.4	117	28	30				60	44.4	
20 FT. PAVEMENT																			
4	227.2																		
5									12						30	34			
6				9.1					23						26	30			
7	331.5		40.4		39.61	40.00			15			Lump	12	30		50	64.00	75	315.0
8	221.6																		
11	222.2		40.6						30						22	24			
12	1850.5	33.3	51.4						48						28		26	50	64.00
Totals	2853.0	33.3	141.5		39.61	40.00			128			Lump	12	136	88	26	50	64.00	200 275 315.0
4 FT. PAV'T. WIDENING																			
11		14.8							7										
Totals		14.8							7										

ROADWAY DRAINAGE

Sheet No	12" Pipe with Porous Backfill Item I-3 Lin. Ft.	12" Corr. M. Pipe Item I-1 Lin. Ft.	Std No 7 C.B. Std Drwg 18C8-7 Item I-8 Each	Excavation Item E-2 Cu.Yd.	Reinforcing Steel Item S-4 Lb.	Concrete 1 1/2 Mix Item S-1 Cu.Yd.
20 FT. PAVEMENT						
12	366	46	2	2	20	0.7
Totals	366	46	2	2	20	0.7

RETAINING WALL STA. 76+21.41 RT. (For Details See Sheet No 63)

Sheet No	Excavation Item E-2 Cu.Yd.	Concrete 1:5 1/2 Mix (Footings) Item S-1 Cu.Yd.	Concrete 1:5 1/2 Mix (Walls) Item S-1 Cu.Yd.	Reinf. Steel Item S-4 Lb.	12"-24 oz. Folded Copper Strip Item S-9 Lin. Ft.	Porous Backfill Item E-2 Cu.Yd.	1" Prem. Exp. Jt. Filler Item S-9 Sq.Ft.
20 FT. PAVEMENT							
7	80	29.1	37.4	1297	12.55	17	58.0
Totals	80	29.1	37.4	1297	12.55	17	58.0

ADDITIONS AND DEDUCTIONS

ADDITIONS		DEDUCTIONS	
Sheet No	Project Length Lin. Ft.	7" Reinf. Conc. Pav't. Item T-71 Sq.Yd.	Finishing Shoulders and Ditches Item E-205 Lin. Ft.
20 FT. PAVEMENT			
7	18.24	40.5	18.24
11	18.24	40.5	390.9
Totals	18.24	40.5	18.24 390.9 155.88 -18.24 137.64
Net Totals	18.24		36.48 350.4

GUARD RAIL ITEM I-15

Sheet No	Remove and Store Exist. Plank Guard Rail Lin. Ft.	New Guard Rail Type S.C. Lin. Ft.
20 FT. PAV'T.		
11	482	60
Total	482	60

PIPE REMOVAL

Sheet No	Remove and Store Exist. V.S.P. Item I-6 Lin. Ft.	Remove and Store Exist. Drain Tile Item I-6 Lin. Ft.	Abandon Exist. Catch Basin Item-Special Each
37 FT. PAVEMENT			
3	102		198
10		165	198
Totals	102	165	198
20 FT. PAVEMENT			
7	60		
Totals	60		

TREE AND STUMP REMOVAL ITEM E-9

Sheet No	Size ~ Each															
	9"	10"	12"	14"	15"	16"	18"	20"	22"	24"	26"	27"	28"	30"	36"	48"
37 FT. PAVEMENT																
4			1	1	1	1			1							
9					2		1			3						
10			6	1		1	4			1		1				
Totals																
			7	2	3	2	5		1	4		1				
20 FT. PAVEMENT																
5			2	1	2	4	2		1	3			1			
6	1	32	16	6	12	2	13	3	4	9			2	3	4	2
7	1	19	8	6	1		4	2	1	4	2		2	1	1	
11		1	2													
Totals																
	2	54	27	14	17	2	19	5	6	16	2		5	4	5	2
Total Number of Trees and Stumps (37 Ft.Pav't.)=25 ~ Total Number of Trees and Stumps (20 Ft.Pav't.)= 180																

(6) NO. 1 STONE UNDERDRAIN 10" WIDE X 15" DEEP ITEM I-9 To Be Placed As Directed

37 FT. PAV'T.

1600 Lin. Ft.

20 FT. PAV'T.

3600 Lin. Ft.

PIPE UNDERDRAIN & PIPE OUTLETS FOR PIPE UNDERDRAIN ITEM I-4 To Be Placed As Directed

Pipe Underdrain - Lin. Ft. Pipe Outlets - Lin. Ft.

4" 6" 8" 10" 12" 4" 6" 8" 10" 12"

37 FT. PAV'T.

200 200 300 20 20 30

20 FT. PAV'T.

600 500 500 400 300 60 50 50 40 30

PAV'T. REMOVAL ITEM E-8

Sheet No	Removal of Exist. 8" Reinf. Conc. Pav't. Sq.Yd.
37 FT. PAVEMENT	
3	1600.0
4	1787.4
8	222.2
9	1000.9
10	1012.3
Totals	5622.8
20 FT. PAVEMENT	
7	3122.7
8	730.5
11	2954.2
12	2110.0
Totals	8917.4

STORM SEWER

Sheet No	Pipe For Storm Sewers	8" 12" 15" 18" 21" Lin. Ft.	27" 12" Lin. Ft.	Corr. M. Pipe (b-3) asphalt Coated or Invert	Pipe Special 6"x12"x60' Y Item I-5	12" Calco Gate or equivalent Item-Special Std. No 3 C.B. Std Drwg 18C8-3 Item I-8	Std. No 3-A C.B. Std Drwg 18C8-3A Item I-8	Std. No 3-B C.B. As Per Plans See Sheet No 12 C.B. Std Drwg 18C8-12 Item I-8	Std. No 22 C.B. Std Drwg 18C8-22 Item I-8	Std. No 24 C.B. Std Drwg 18C8-24 Item I-8	Std. No 1 M.H. Std Drwg 18MH-1 Item I-8	Std. No 3 M.H. Std Drwg 18MH-3 Item I-8	Excavation Item E-2	Reinforcing Steel Item S-4	Concrete 1 1/2 Mix Item S-1	
37 FT. PAVEMENT																
3	G 534	372			1		7		2		1		3			
4		97	834				1						2			
8		8673		54		1			1				1	5	23	2.0
9		18127		38				1								
10		222					3						2	11	43	2.7
Totals	G 1121	372 834		92		1	11	1	2		4	1	3	5	16	66 4.7
20 FT. PAVEMENT																
4		9	4 112									1		4	30	1.2
6		10		260												
7		22	458 242							1						
11		146							2		1			4	25	2.0
														4	23	2.0
Totals		187	458 246 112	260						3	2			12	78	5.2

Drawn By: O.T.M. Date: 2-6-37
Checked By: J.P.M. Date: 2-9-37

GREENE COUNTY
S.H. 195 SEC. "H & F (Pt.)

PAV'T CALCULATIONS (CONT'D)-

Addition (See Summary of "Priv. Drives, Rd. Appr. & Flares ; &
Summary of Additions & Deductions) = 2502.6 Sq. Yd.
Tot. 9'-7" x 9' Reinf. Conc. Pav't (Item T-71) 20 Ft. Wide = 26089.1 Sq. Yd.

FINISHING SHOULDERS SLOPES AND DITCHES (ITEM E-205)

Total Length of 20 Ft. Pav't (See Above) = 10613.91 Lin. Ft.
Add (See Summaries of Drives, Appr. & Flares, & of Additions & Deductions) = 137.36 " "
Total Finishing Shoulders Slopes and Ditches
(Item I-205) 20 Ft. Pav't = 10751.27 Lin. Ft.
*

4 FT. PAV'T WIDENING:

9" CONC. PAV'T (Item T-70) 4 FT. PAV'T WIDENING:—

Beginning of 4ft. Pav't Widening= Sta. 109+00

End " " " " = Sta. 115+00

Net Length " " " " =----- 600.00 Lin. Ft.

Calculation $(600.00 \times 4 \times 1/8) =$ ----- 266.7 Sq. Yd.

Addition (See Summary of Priv. Drives, Appr. & Flares) =----- 14.8 Sq. Yd.

Total 9" Conc. Pav't (Item T-70) 4 Ft. Widening =----- 281.5 Sq. Yd.

FINISHING SHOULDERS SLOPES AND DITCHES (Item E-205)
 Net Length of 4 Ft. Pav't Widening (See Above) = 600.00 Lin. Ft.
 Total Finishing Shoulders Slopes and ditches
 (Item I-205) 4 Ft. Pav't Widening = 600.00 Lin. Ft.

SEALING (Only) OF EXISTING PAVEMENT EDGES (Item E-10)
 Calculation (600.00 x 2) = 1200.00 Lin.Ft.
 Total Sealing (Only) Exist. Pav't Edges (Item E-10) = 1200.00 Lin.Ft.

* Traffic Bound (Item I-17) Size No 46 - 20 Ft. Pav't		
At Mail Boxes (See Sheet No 69) 7 @ 4 Cu. Yd. Each =	28	Cu. Yd.
Drives, Approaches & Flares (See Summary) =	128	" "
Total Traffic Bound Size No 46 (Item I-17) 20 Ft. Pav't =	156	Cu. Yd.

GENERAL SUMMARY

ITEM
No

ITEMS

STRUCTURES 20 FT. SPAN AND UNDER 37'-0" FT. 20'-0" FT. DIFF. PAVT. PAVT. WIDENING TOTALS UNITS

E-2	Porous Backfill	Lump	678	Lump	678	
S-1	Excavation (Unclassified)		45.2		45.2	
S-1	Concrete 1:5 1/2 Mix Superstructures		113.6		113.6	
S-1	Concrete 1:5 1/2 Mix Walls		30.6		30.6	
S-4	Concrete 1:6 1/2 Footings		24.8		24.8	
S-27	Reinforcing Steel		17592		17592	
S-27	12" Pipe for Culverts		188		188	Lin. Ft.
S-27	24" Pipe for Culverts		168		168	"
S-27	36" Pipe for Culverts		96		96	"
S-27	12" Cast Iron Pipe (Sec M-C2)		24		24	"
S-27	15" Corr. M. Pipe (6-3) Paved Invert or Asphalt coated		70		70	"
S-27	24" Corr. M. Pipe (6-3) Paved Invert or Asphalt coated		92		92	"
I-6	21" Remove & Store Existing Corr. M. Pipe		18		18	"
I-6	22" Remove & Store Existing Corr. M. Pipe		40		40	"
I-6	20" Remove & Store Existing Corr. M. Pipe		31		31	"
I-6	12" Remove & Store Existing V.S. Pipe		48		48	"
I-6	18" Remove & Store Existing V.S. Pipe		26		26	"
I-6	21" Remove & Store Existing V.S. Pipe		17		17	"
I-6	20" Remove & Store Existing V.S. Pipe		53		53	"
S-E7	12" Corr. M.P. (6-3) Paved Invert or Asphalt coated		90		90	"
S-E7	Special 24" Calco Gate or Equivalent		1		1	Each
S-22	Removing Portions of Existing Structures		Lump		Lump	
S-24	Removal of Existing Bridges		Lump		Lump	
S-22	Removing Existing Headwalls		Lump		Lump	
S-23	1 1/2" x 12" Dowel Holes		56		56	"
I-8	Std. N/2 1" Manhole. Std. Drwg. I-8 MH#1		3		3	"
I-8	Std. N/2 2-2 Catch Basin Std. Drwg. I-8 C.B. #2-2		4		4	"
I-8	Std. N/2 2-2 Catch Basin Std. Drwg. I-8 C.B. #2-4		2		2	"
S-23	1" Dowel Holes and American Expansion bolts or equal		4		4	"
I-8	Std. N/2 1-2 C.B. Without Casing Std. Drwg. I-8 C.B. #1-2		3		3	"
I-8	Std. N/2 1-3 C.B. Without Casing Std. Drwg. I-8 C.B. #1-3		1		1	"
I-10	18" Stone Rip Rap (Grouted)		316		316	Sq. Yd.
S-3	Water Proofing Type "B" (18" Wide)		11.3		11.3	Sq. Yd.
S-3	Water Proofing Type "B" (36" Wide)		35.2		35.2	Sq. Yd.
S-19	Special Cutting off Existing Wood Piling		5		5	Each
S-19	Reinf. Conc. Railing Type R-R-70 1:5 1/2 Mix		44		44	Lin. Ft.
S-9	1/4" Bit Prem. Expansion Jt. Filler		36		36	Sq. Ft.
S-9	12" x 24" Galv. Copper Strip		21.5		21.5	Lin. Ft.
I-8	Std. N/2 1-2 Catch Basin. Std. Drwg. I-8 C.B. N/2 1-2		1		1	Each

ROADSIDE IMPROVEMENT

I-216	Aggregate for Tree Protection		86		86	
I-216	Rip Rap for Tree Protection		38.9		38.9	
			30.5		30.5	

MAINTAINING TRAFFIC

ROADSIDE IMPROVEMENT ITEM E216

Aggregate Stone Rip Rap
For Tree Protection
Aeration Protection
Item E216 Item E216

37 FT PAVT

Sheet						
N/2						
3						
4						
8						
9						
10						
Total						

20 FT PAVT

4						
5						
6						
7						
8						
11						
12						
Total						

4 FT WIDENING

11						
Total						

FED. RD. DIST. NO.	STATE	FED. AID PROJECT	FISCAL YEAR
10	OHIO	339 RE UNIT-1	1937

GREENE COUNTY
SH. 195 SEC. H, E, F, (PT)

105
105

Drawn By: O.T.M. 2-9-37
Checked By: J.P.M. 2-9-37
Red By: