

#501

FED. RD DIST NO	STATE	FED. AID PROJECT	FISCAL YEAR	1 29
10	OHIO	4527	1926	

I.C.H. 22 SEC. Y SANDUSKY COUNTY

STATE OF OHIO
DEPARTMENT OF HIGHWAYS AND PUBLIC WORKS
DIVISION OF HIGHWAYS
BUREAU OF CONSTRUCTION

LIMA-SANDUSKY ROAD

I.C.H. 22 SEC. Y PET. NO 5261
SANDUSKY COUNTY

RILEY AND SANDUSKY TOWNSHIPS MARCH 1926

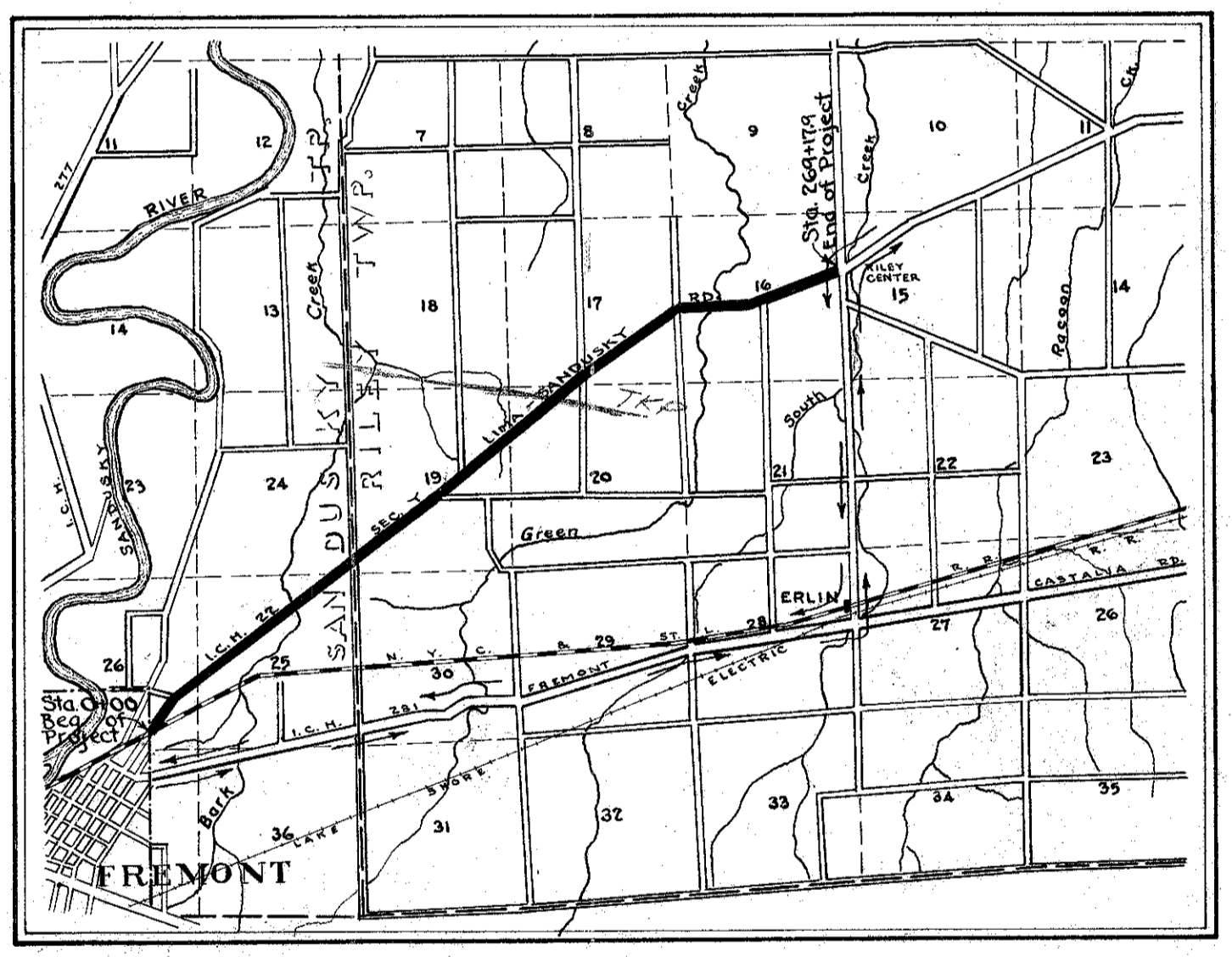
Recd Apr 27-1926

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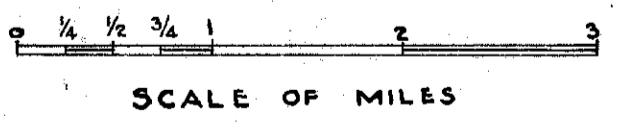
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CONVENTIONAL SIGNS

Township Line	-----
Section Line	-----
Property Line not fenced	-----
Center Line	-----
City or Village Line	-----
Fence	-----
Telephone or Telegraph	> > > >
Steam Railroad	-----
Electric Line	-----
Guard Rail	-----
Drain Pipe	-----



LOCATION PLAN



PORTION TO BE IMPROVED

DETOURS SHOWN THUS

SCALES

Plan - 1" = 100'; Profile (Vertical) 1" = 10'

Cross Sections 1" = 5' Profile (Horizontal) 1" = 100'

We, the Commissioners of Sandusky County hereby approve these plans and certify that the right-of-way (60') is available for the construction, maintenance and repair of the above highway.

Geo. A. Hinkle
R. H. Rogers

Date: April 17, 1926. County Commissioners.

The Standard Specifications of the State of Ohio - Division of Highways - in force on date of contract will govern this improvement.

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

Approved Date April 17, 1926 *L. N. Wismar* Resident Engineer

Approved Date 4-24-1926 *M. J. Shanahan* Resident Deputy State Highway Commissioner

Approved Date 4-24-1926 *J. J. [unclear]* State Highway Engineer

Approved Date 4-29-1926 *H. J. [unclear]* Director of Highways and Public Works

Recommended for Approval Date 1926 *[unclear]* District Engineer Bureau of Public Roads.

Recommended for Approval Date 1926 *[unclear]* Chief Engineer Bureau of Public Roads.

Approved Date 1926 *[unclear]* Chief of Bureau.

CONSTRUCTION BUREAU
JUL 11 1926
GROUND PHOTOLAB

FED. RD. DIST. NO.	STATE	FED. AID PROJECT	FISCAL YEAR
10	OHIO	4521	1926

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I.C.H. 22 SEC. Y
SANDUSKY COUNTY

Beginning of Project Sta. 0+00 F.A. 452-A P.I. Sta. 4+10.45
Set Iron Pin on ϵ - References:-
N.W. cor. Conc. Header - S.W. - 46.2'
N.E. - S.E. - 11.1'
R.R. Crossing Post - S.E. - 24.8'
 $\Delta = 0^\circ - 0'$

$\Delta = 18^\circ - 30'$ R^{7/4} D = 8°
T = 116.96 L = 231.25
P.C. - Sta. 2+93.50
P.T. - 5+24.15
Set Iron Pin on P.I.
T.P. - 11' N.E. - T.P. 29.5' E.

Header for beginning Pavt. at Sta. 0+00 to be parallel to N. Rail of N.Y.C. & St. L. tracks and 2'-6" from the rail measured at right angles to the track.

P.I. on Sec. Line - Sta. 19+23.5
Set Iron Pin - References:-
Anch. Post - N - 38.5' - T.P. N.E. - 40.7'
Fence Post - S.E. - 30.3'
 $\Delta = 0^\circ - 2' L$

Pvt. Drive Sta. 21+56: Remove present 12' of 8" V.S.P. Install 16' of 12" V.S.P. encased (new) Build 2 Std. S.R. Culv. Headwalls.

Pvt. Drive Sta. 14+60: Remove present 16' of 6" V.S.P. Install 16' of 12" V.S.P. enc. (new) and build 2 S.R.C. Headwalls.

Pvt. Drive Sta. 12+10. Remove Present 6" Tile Install 136' of 12" V.S.P. 24' L ϵ from Sta. 12+12 to 13+48. Build Std. S.R.C. Hdwalls Sta. 12+12 & 13+48 Enc. 16' under drive

Sta. 10+31. Install 32' of 12" V.S.P. enc. (new) 24' L, and build 2 S.R. Culv. Headwalls.

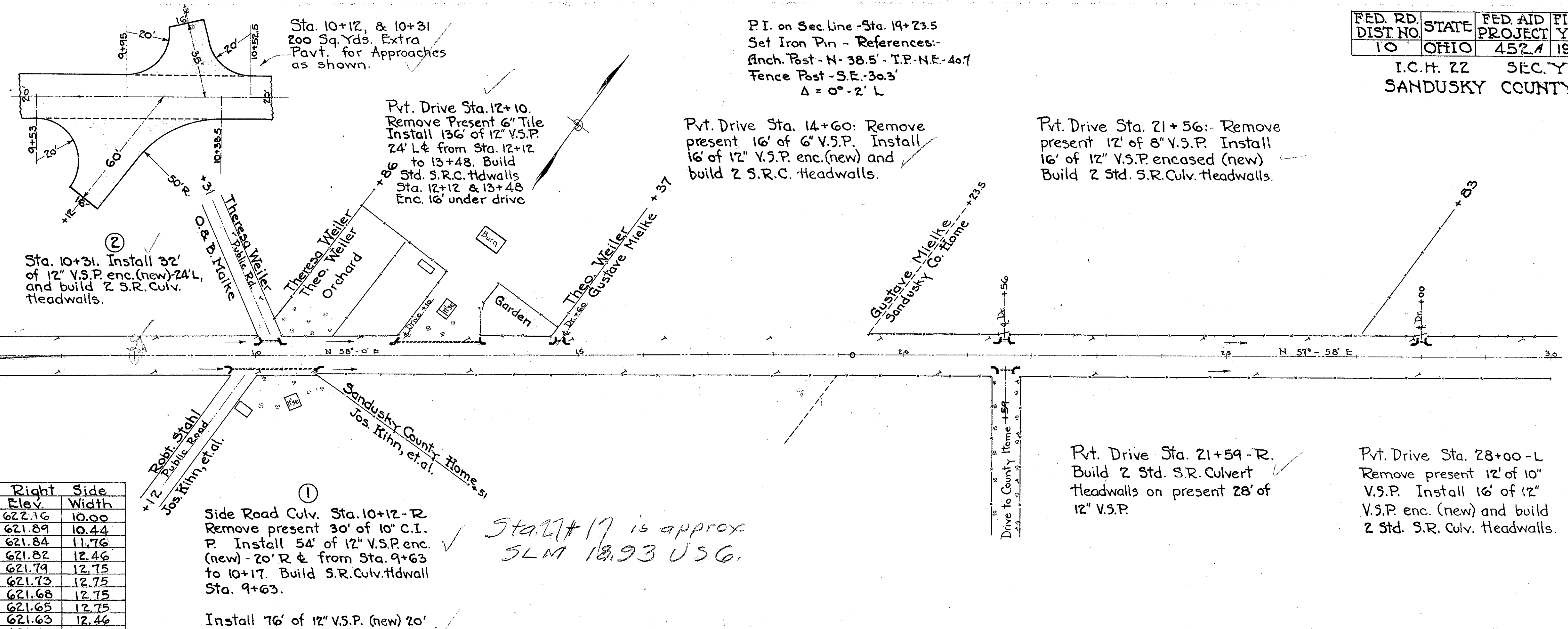
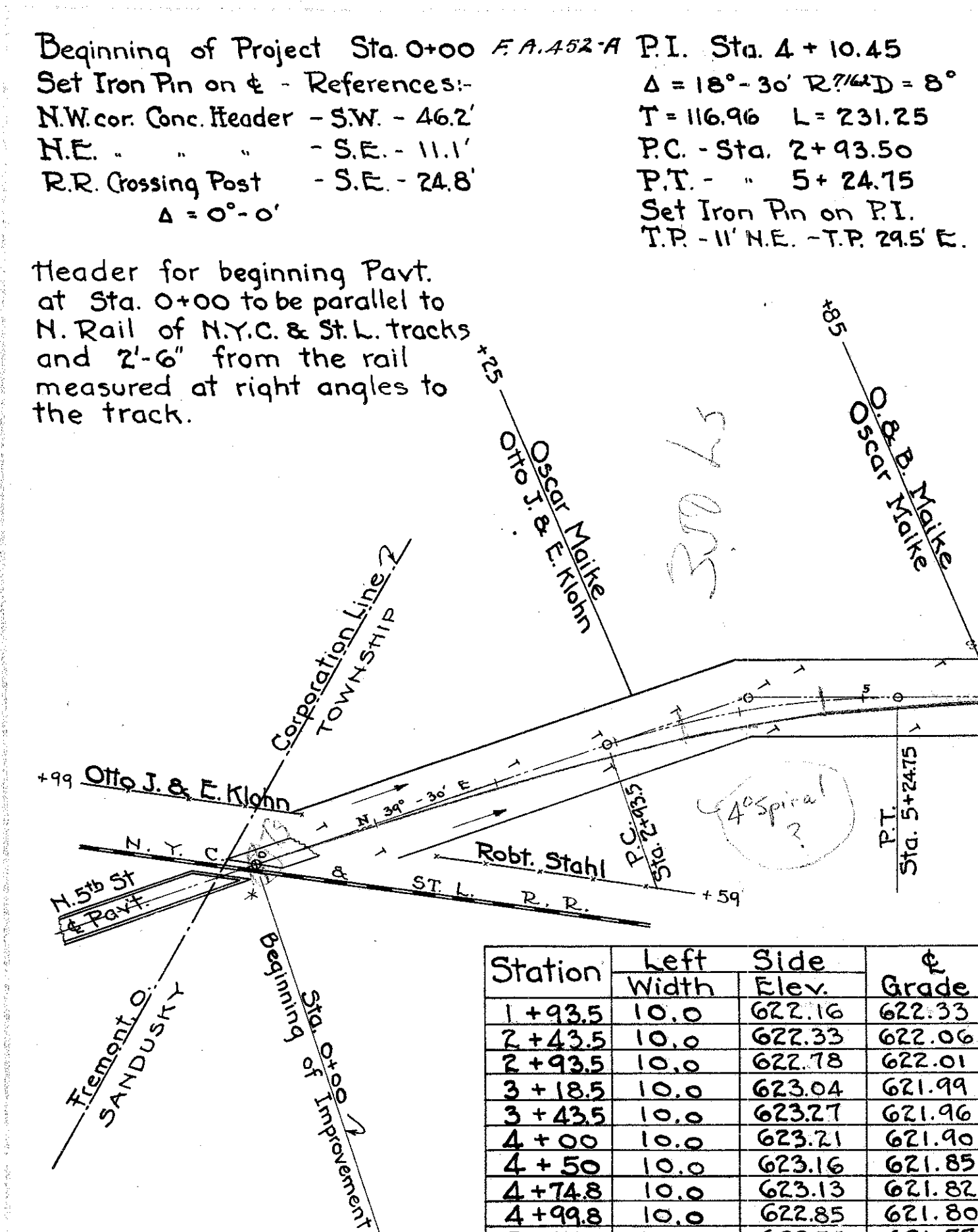
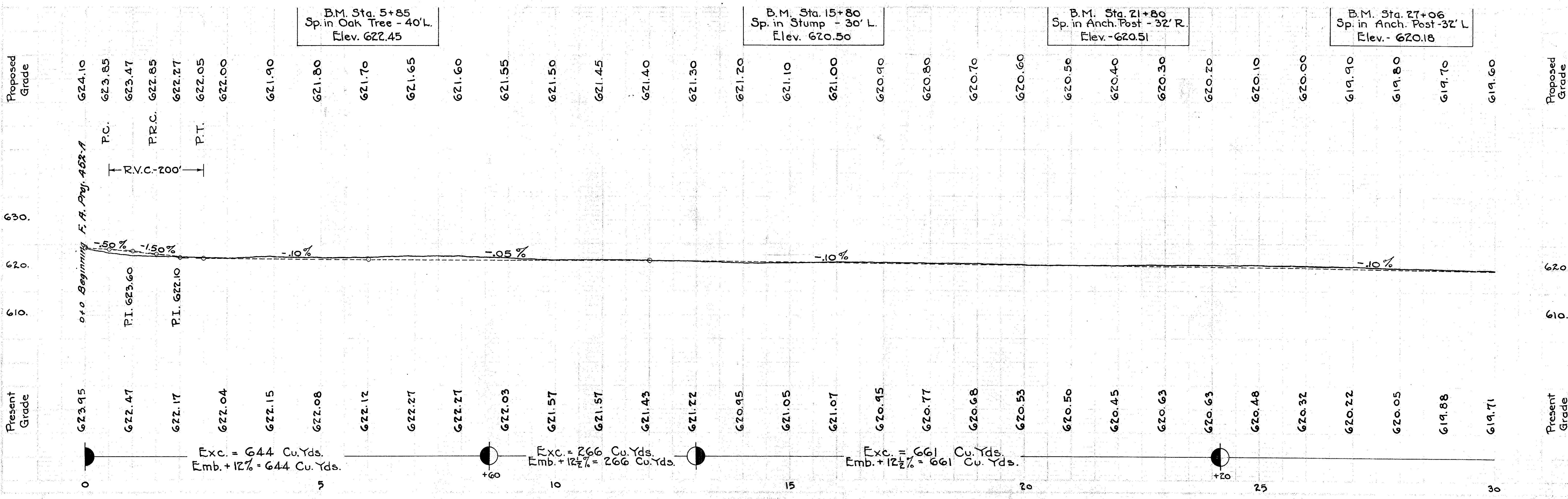
Side Road Culv. Sta. 10+12-R Remove present 30' of 10" C.I. P. Install 54' of 12" V.S.P. enc. (new) - 20' R ϵ from Sta. 9+63 to 10+17. Build S.R. Culv. Hdwall Sta. 9+63.

Install 76' of 12" V.S.P. (new) 20' R ϵ from Sta. 10+17 to 10+93. Build S.R.C. Headwall Sta. 10+93 (Continuation of N91-as Pvt. Dr.).

Sta. 17 is approx SLM 18.93 USG.

Station	Left Width	Left Side Elev.	Grade	Right Side Elev.	Right Width
1+93.5	10.0	622.16	622.33	622.16	10.00
2+43.5	10.0	622.33	622.06	621.89	10.44
2+93.5	10.0	622.78	622.01	621.84	11.76
3+18.5	10.0	623.04	621.99	621.82	12.46
3+43.5	10.0	623.27	621.96	621.79	12.75
4+00	10.0	623.21	621.90	621.73	12.75
4+50	10.0	623.16	621.83	621.68	12.75
4+74.8	10.0	623.13	621.82	621.65	12.75
4+99.8	10.0	622.85	621.80	621.63	12.46
5+24.8	10.0	622.54	621.77	621.60	11.76
5+74.8	10.0	621.99	621.72	621.55	10.44
6+24.8	10.0	621.52	621.69	621.52	10.00

78.7 Sq. Yds. Extra Pavt.



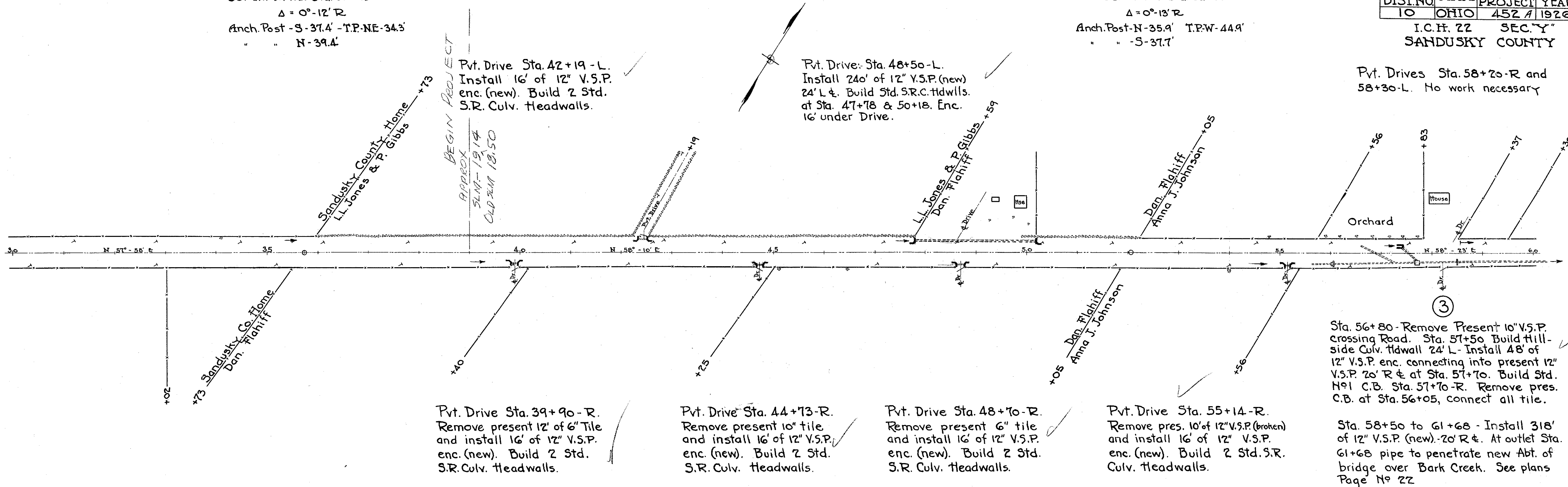
FED. RD. DIST. NO.	STATE	FED. AID PROJECT YEAR	FISCAL YEAR
10	OHIO	452 A	1926

I.C.H. 22 SEC. Y
SANDUSKY COUNTY

Set I.P. on P.I. Sta. 35+73
Δ = 0°-12' R
Anch. Post - S-37.4' - T.P.-NE-34.3'
" " N-39.4'

Set I.P. on P.I. Sta. 52+05
Δ = 0°-13' R
Anch. Post - N-35.9' T.P.W-44.9'
" " -S-37.7'

Pvt. Drives Sta. 58+20-R and 58+30-L. No work necessary



Pvt. Drive Sta. 42+19-L.
Install 16' of 12" V.S.P.
enc. (new). Build 2 Std.
S.R. Culv. Headwalls.

Pvt. Drive Sta. 48+50-L.
Install 240' of 12" V.S.P. (new)
24' L & Build Std. S.R.C. Hdwalls.
at Sta. 47+78 & 50+18. Enc.
16' under Drive.

Pvt. Drive Sta. 39+90-R.
Remove present 12' of 6" Tile
and install 16' of 12" V.S.P.
enc. (new). Build 2 Std.
S.R. Culv. Headwalls.

Pvt. Drive Sta. 44+73-R.
Remove present 10' tile
and install 16' of 12" V.S.P.
enc. (new). Build 2 Std.
S.R. Culv. Headwalls.

Pvt. Drive Sta. 48+10-R.
Remove present 6" tile
and install 16' of 12" V.S.P.
enc. (new). Build 2 Std.
S.R. Culv. Headwalls.

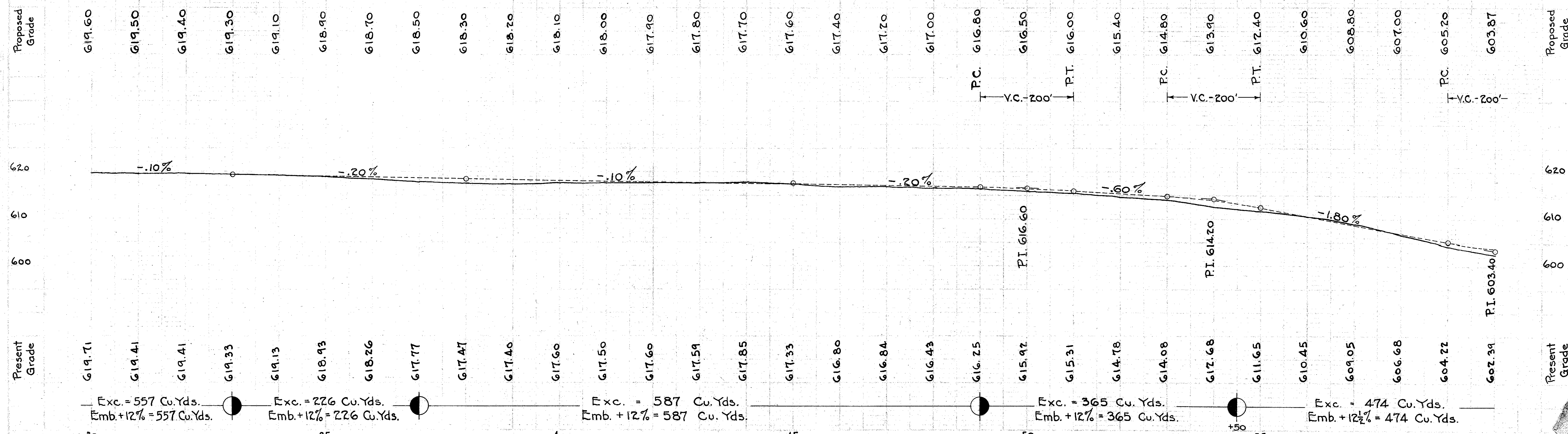
Pvt. Drive Sta. 55+14-R.
Remove pres. 10' of 12" V.S.P. (broken)
and install 16' of 12" V.S.P.
enc. (new). Build 2 Std. S.R.
Culv. Headwalls.

Sta. 56+80 - Remove Present 10' V.S.P.
crossing Road. Sta. 57+50 Build Hill-
side Culv. Hdwall 24' L - Install 48' of
12" V.S.P. enc. connecting into present 12"
V.S.P. 20' R & at Sta. 57+70. Build Std.
No 1 C.B. Sta. 57+70-R. Remove pres.
C.B. at Sta. 56+05, connect all tile.

Sta. 58+50 to 61+68 - Install 318'
of 12" V.S.P. (new). 20' R &. At outlet Sta.
61+68 pipe to penetrate new Abt. of
bridge over Bark Creek. See plans
Page No 22

B.M. - Sta. 40+16
Sp. in Anch. Post on R
El. - 617.30

B.M. - Sta. 50+26
Sp. in T.P. - L
El. - 615.00



Exc. = 557 Cu. Yds.
Emb. + 12% = 557 Cu. Yds.

Exc. = 226 Cu. Yds.
Emb. + 12% = 226 Cu. Yds.

Exc. = 587 Cu. Yds.
Emb. + 12% = 587 Cu. Yds.

Exc. = 365 Cu. Yds.
Emb. + 12% = 365 Cu. Yds.

Exc. = 474 Cu. Yds.
Emb. + 12% = 474 Cu. Yds.

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I.C.H. 22 SEC. Y
SANDUSKY COUNTY

Set I.P. on Twp Line Sta. 84+68.1
 $\Delta = 0^{\circ}-15' R$
 Anch. Post - N.W. - 30.5 - T.P. - S.E. - 26'
 " " - S.E. - 30.5

④ (No 6 on Proj. Map)
 Remove present Lattice Rail Bridge over Bark Creek, Sta. 61+80. Build new Conc. Beam Bridge - 26' Span; 28' Rdwy. See Plan Page 22. Span old structure 26' Roadway 16'

Pvt. Drive Sta. 60+60-L
 Install 16' of 12" V.S.P. enc. (new). Build 2 Std. S.R.C. Headwalls.

Sta. 65+20 to 66+82
 Install 162' of 12" V.S.P. (new). Enc. 16' under Drive. Build 2 Std. S.R.C. Hdwalls Sta. 65+20 and 66+82

Pvt. Drive Sta. 68+20-L
 Install 16' of 12" V.S.P. enc. (new). Build 2 Std. S.R. Culv. Headwalls

Pvt. Drive Sta. 72+36-L
 No Structure necessary

⑤
 Sta. 78+12-L - Relay present 30' of 12" Cor. I.P. Extend with 14' of new 12" V.S.P. Encase entire 44' of pipe. Build 2 Std. No 1 C.B.

⑥
 Sta. 84+40-L - Build new Std. 12" x 54" V.S.P. Enc. Culv. with 2 Spcl. S.R. Hdwalls as shown on Pg. 23

⑦
 Sta. 84+68.1-R - Build new Std. 12" x 50" V.S.P. Enc. S.R. Culv. with Spcl. Hdwall as shown on Pg. 23

Pvt. Drive Sta. 88+09-R
 No Structure necessary

Install Type 'E' Guard Rail 20' L. & from Sta. 61+05 to 61+65 and 61+95 to 62+35. Also 15' R. & from 61+05 to 61+65 and 61+95 to 62+15. Total 180 Lin. Ft.

4.3 Sq. Yds. of Extra Pavt. to Approach Slabs
 171.8 - Sq. Yds. 4" Wearing Surface - Bridge & App. Slabs.

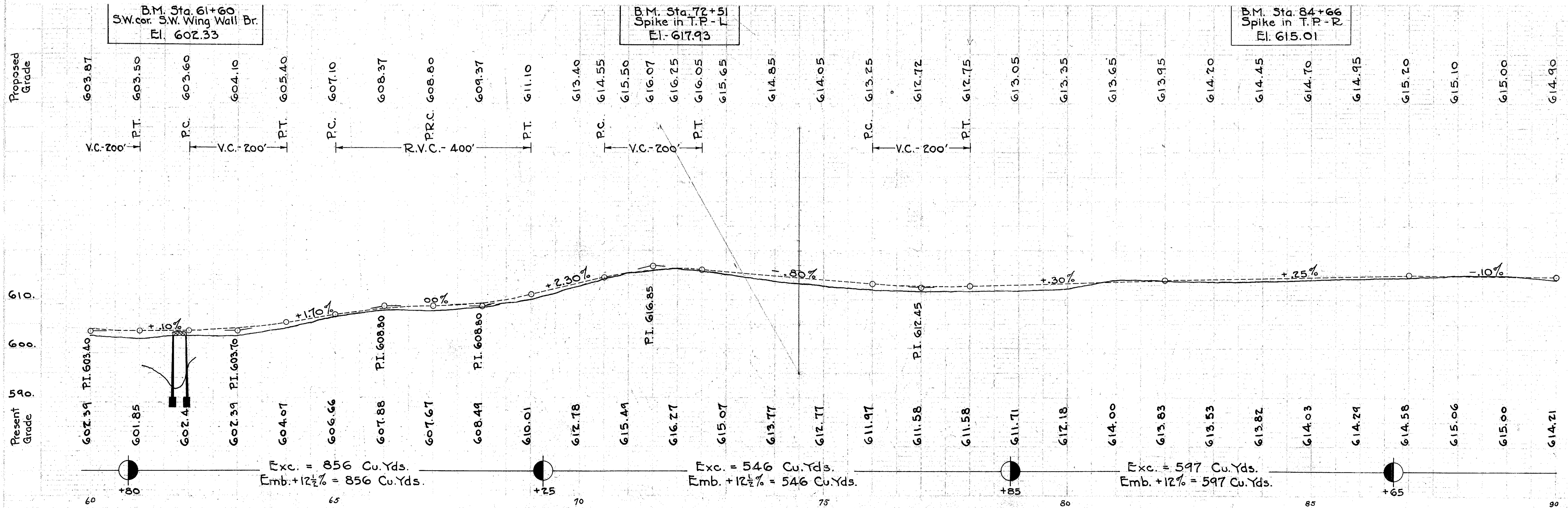
Sta. 62+13 to 63+17-R
 Install 104' of 12" V.S.P. (new). Enc. 16' under each Drive (32'). Build 2 Std. S.R. Culv. Headwall at Sta. 62+13 and 63+17.

Sta. 64+36 to Sta. 64+94: Install 58' of 12" V.S.P. (new) - 20' R. Build 2 Std. S.R. Culv. Headwalls.

Sta. 77+06 to 78+80-R
 Install 174' of 12" V.S.P. (new). Enc. 16' under each drive (32'). Build 2 Std. S.R.C. Headwalls.

Pvt. Drive Sta. 80+13 R
 Install 16' of 12" V.S.P. enc. (new) and build 2 Std. S.R. Culv. Headwalls.

Sta. 84+68.1 - Build Approaches as shown. 213.3 Sq. Yds. Extra Pavement.



Pvt. Drive Sta. 91+74-L
Install 16' of 12" V.S.P.
Enc. (new). Build 2 Std.
S.R.C. Headwalls.

Sta. 92+44 to 93+38-L
Install 94' of 12" V.S.P.
(new). Enc. 16' under Dr.
Build 2 Std. S.R.C. Hd-
walls.

Pvt. Drive Sta. 94+82
Install 16' of 12" V.S.P.
Enc. (new). Build 2 Std.
S.R. Culv. Headwalls.

P.I. Sta. 108 + 28.6
Δ = 1° - 28' 1"
D = 1° T = 75.37 L = 146.67
P.C. - Sta. 107 + 55.23
P.T. - Sta. 109 + 01.90
Ref. to I.P. on P.I. -
Anch. Post - N.W. - 27.2'
Tel. Pole - N. - 25.8'
Tel. Pole - S.E. - 28.2'

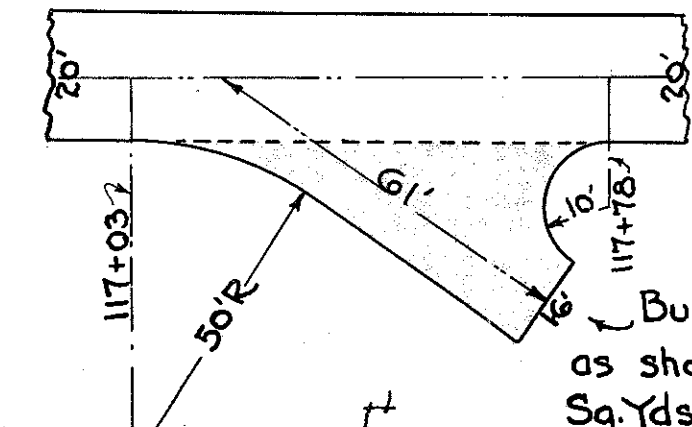
Curve not widened			
Station	Left	¢	Right
106+55.23	611.05	611.22	611.05
107+05.23	610.80	610.97	610.97
107+55.23	610.55	610.72	610.79
107+80.23	610.43	610.60	610.73
108+05.23	610.27	610.49	610.68
108+30.23	610.27	610.44	610.63
108+51.90	610.23	610.40	610.59
108+76.90	610.18	610.35	610.48
109+01.90	610.13	610.30	610.37
109+51.90	610.03	610.20	610.15
110+01.90	609.93	610.10	609.93

Sta. 109+45 on Left
No Structure neces-
sary.

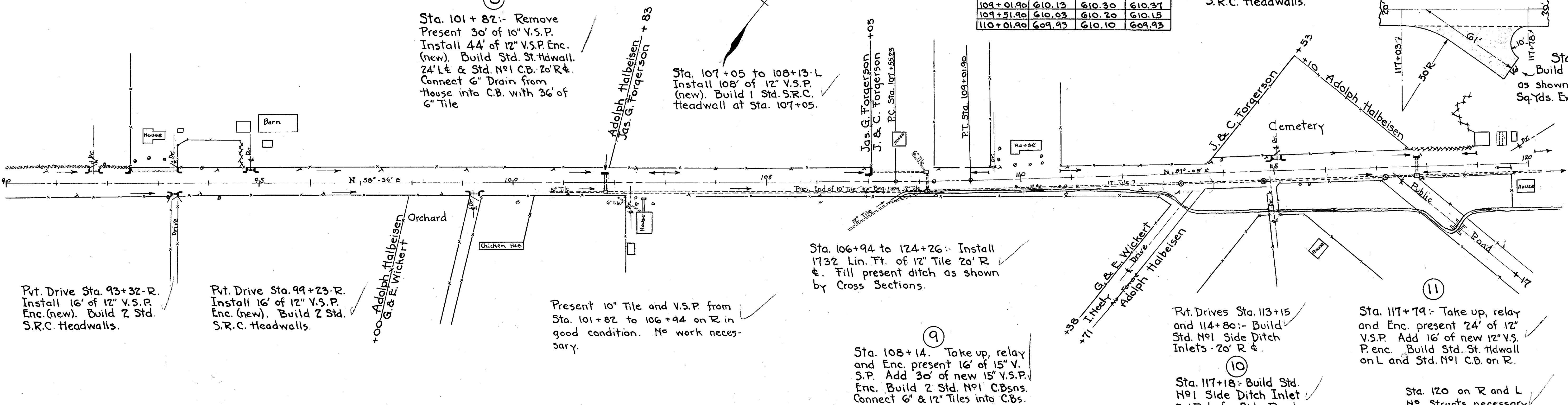
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10	OHIO	457A	1926

I.C.H. 22 SEC. Y
SANDUSKY COUNTY

Pvt. Drive Sta. 115+05-L
Install 16' of 12" V.S.P. Enc.
(new). Build 2 Std.
S.R.C. Headwalls.



Sta. 117+17
Build Approach
as shown. 100
Sq. Yds. Extra Pavt.



Pvt. Drive Sta. 93+32-R.
Install 16' of 12" V.S.P.
Enc. (new). Build 2 Std.
S.R.C. Headwalls.

Pvt. Drive Sta. 99+23-R.
Install 16' of 12" V.S.P.
Enc. (new). Build 2 Std.
S.R.C. Headwalls.

Sta. 101 + 82:- Remove
Present 30' of 10" V.S.P.
Install 44' of 12" V.S.P. Enc.
(new). Build Std. St. Hdwall.
24' L & Std. N^o1 C.B. 20' R &
Connect 6" Drain from
House into C.B. with 36' of
6" Tile

Sta. 107 + 05 to 108 + 13-L
Install 108' of 12" V.S.P.
(new). Build 1 Std. S.R.C.
Headwall at Sta. 107 + 05.

Sta. 106 + 94 to 124 + 26:- Install
1732 Lin. Ft. of 12" Tile 20' R
& Fill present ditch as shown
by Cross Sections.

Present 10" Tile and V.S.P. from
Sta. 101 + 82 to 106 + 94 on R in
good condition. No work neces-
sary.

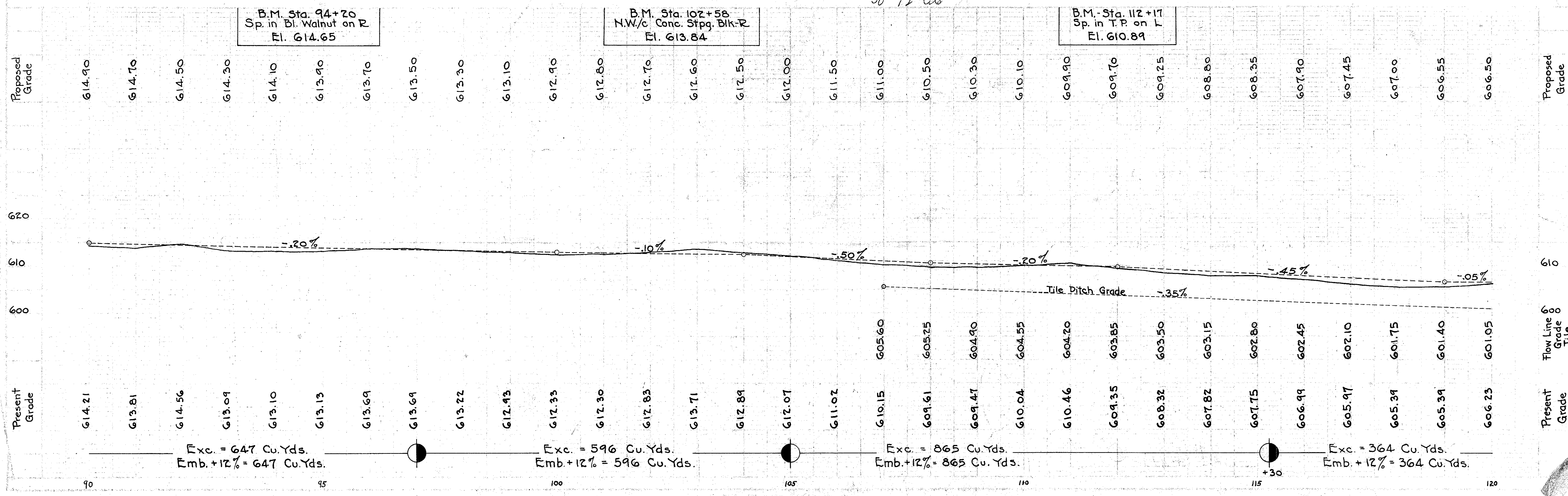
Sta. 108 + 14. Take up, relay
and Enc. present 16' of 15" V.
S.P. Add 30' of new 15" V.S.P.
Enc. Build 2 Std. N^o1 C.B.sns.
Connect 6" & 12" Tiles into C.B.s.
10' 6" tile
30' 12" tile

Pvt. Drives Sta. 113 + 15
and 114 + 80:- Build
Std. N^o1 Side Ditch
Inlets - 20' R &.

Sta. 117 + 18:- Build Std.
N^o1 Side Ditch Inlet
20' R & for Side Road.

Sta. 117 + 79:- Take up, relay
and Enc. present 24' of 12"
V.S.P. Add 16' of new 12" V.S.
P. Enc. Build Std. St. Hdwall
on L and Std. N^o1 C.B. on R.

Sta. 120 on R and L
No Structs. necessary



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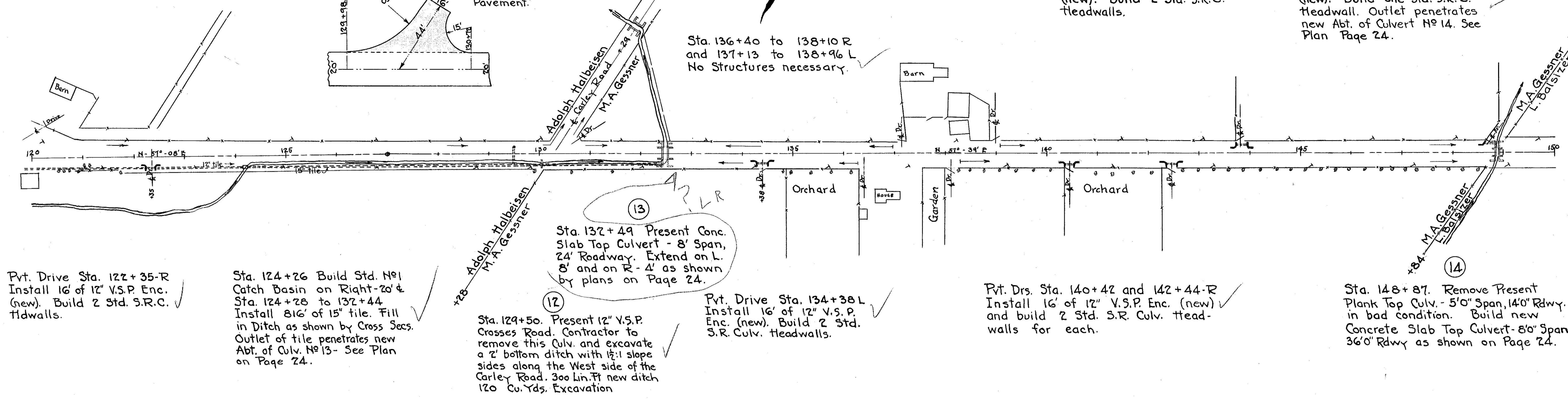
I.C.H. 22 SEC. "Y"
SANDUSKY COUNTY

PI. Sta. 127+00
Δ = 0°-31'R
T.P. - N.W. - 34.7'
T.P. - S.W. - 38.4'
F.P. - N.W. - 23.5'

Pvt. Drive Sta. 130+80
No Structure necessary

Pvt. Drive Sta. 143+80-L
Install 16' of 12" V.S.P. Enc. (new). Build 2 Std. S.R.C. Headwalls.

Pvt. Drive Sta. 148+60-L
Install 24' of 12" V.S.P. Enc. (new). Build one Std. S.R.C. Headwall. Outlet penetrates new Abt. of Culvert No 14. See Plan Page 24.



Pvt. Drive Sta. 122+35-R
Install 16' of 12" V.S.P. Enc. (new). Build 2 Std. S.R.C. Headwalls.

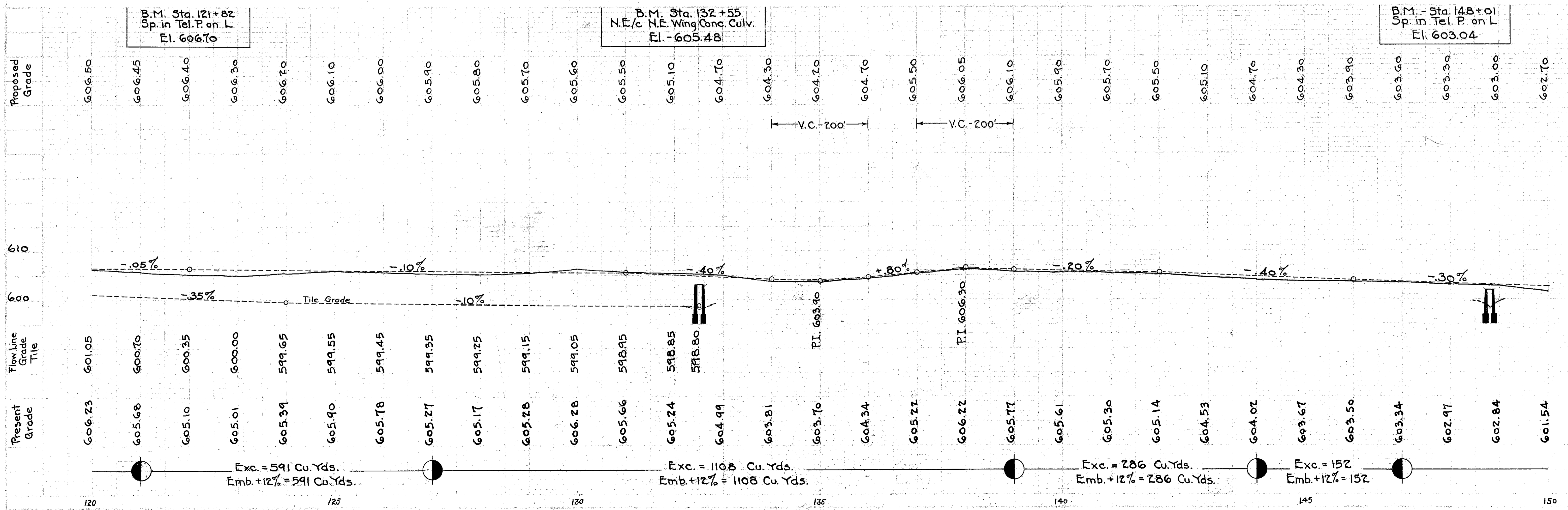
Sta. 124+26 Build Std. No 1 Catch Basin on Right-20' & Sta. 124+28 to 132+44 Install 816' of 15" tile. Fill in Ditch as shown by Cross Secs. Outlet of tile penetrates new Abt. of Culv. No 13- See Plan on Page 24.

Sta. 129+50. Present 12" V.S.P. Crosses Road. Contractor to remove this Culv. and excavate a 2' bottom ditch with 1 1/2:1 slope sides along the West side of the Carley Road. 300 Lin. Ft. new ditch 120 Cu. Yds. Excavation

Pvt. Drive Sta. 134+38-L
Install 16' of 12" V.S.P. Enc. (new). Build 2 Std. S.R.C. Culv. Headwalls.

Pvt. Drs. Sta. 140+42 and 142+44-R
Install 16' of 12" V.S.P. Enc. (new) and build 2 Std. S.R.C. Culv. Headwalls for each.

Sta. 148+87. Remove Present Plank Top Culv. - 5'0" Span, 14'0" Rdwy. in bad condition. Build new Concrete Slab Top Culvert - 8'0" Span, 36'0" Rdwy as shown on Page 24.



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I.C.H. 22 SEC. "Y"
SANDUSKY COUNTY

Pvt. Drives at Stas. 150+20 on R&L and 152+00 on L. Install 16' of 12" V.S.P. Enc. (48' new) and build 2 S.R. Culv. Headwalls for each. (6 headwalls).

P.I. Sta. 159+54.15
Δ = 0°-41'R.
F.P. W-27' - F.P. SE-28.2'
Anch. Post - N-30.5'

Pvt. Drive Sta. 153+50-L
No Structure necessary

Pvt. Dr. Sta. 165+71-L
Install 16' of 12" V.S.P. Enc. (new). Build 2 Std. S.R. Culv. Headwalls.

No Structure necessary
Sta. 162+35 - 163+00-L

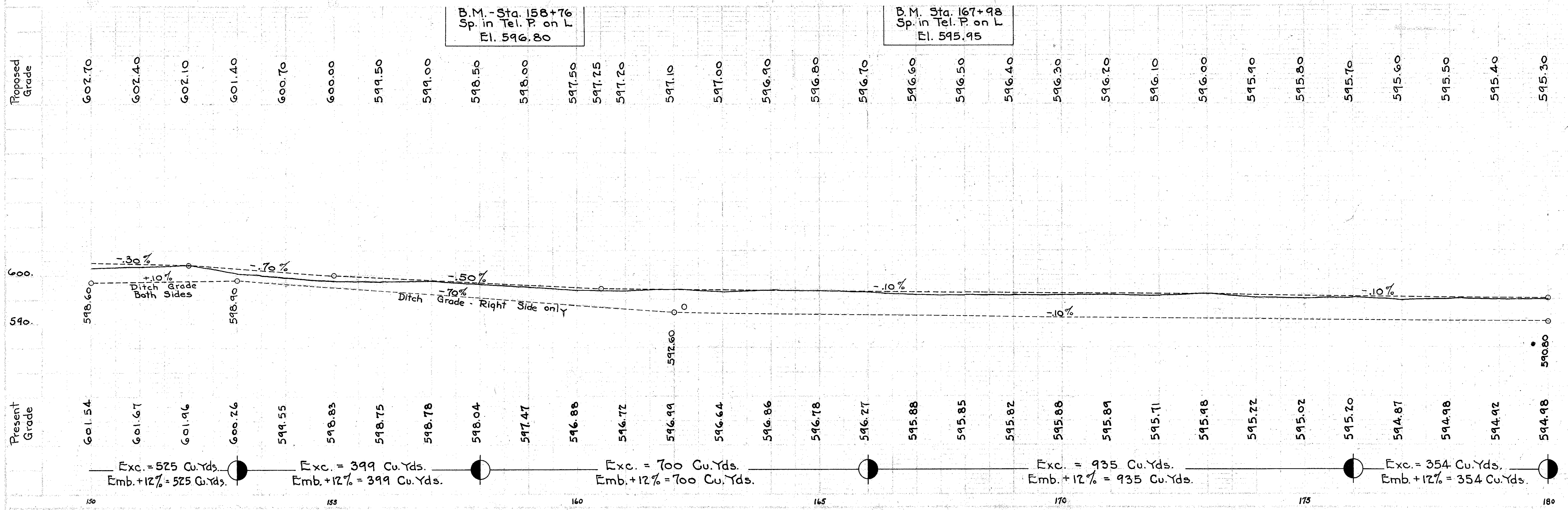
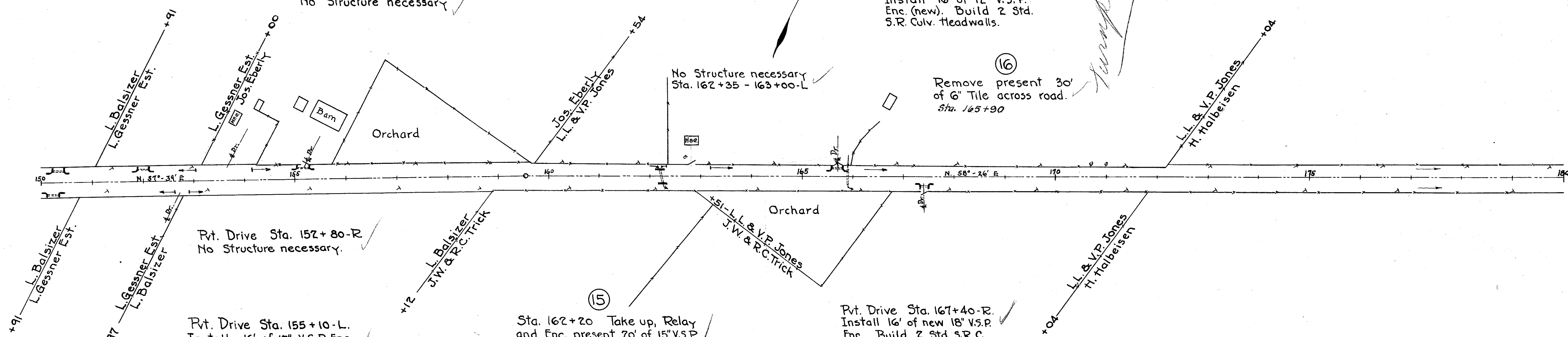
Remove present 30' of 6" Tile across road.
Sta. 165+90

Pvt. Drive Sta. 152+80-R
No Structure necessary.

Pvt. Drive Sta. 155+10-L.
Install 16' of 12" V.S.P. Enc. (new). Build 2 Std. Side Road Culvert Headwalls.

Sta. 162+20 Take up, Relay and Enc. present 20' of 15" V.S.P. Add 22' of new 15" V.S.P. Enc. Build 2 Std. Straight Headwalls.

Pvt. Drive Sta. 167+40-R.
Install 16' of new 18" V.S.P. Enc. Build 2 Std. S.R.C. Headwalls.



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I.C.H. 22 SEC. "Y"
SANDUSKY COUNTY

Set I.P. - Sta. 180+53
Δ = 0°-0'
Anch. Post - W - 36.6'
T.P. S.E. - 29.5'
N.W. & S.R. Culv. Hdwall - 20.0'

Sta. 180+53
Build Approaches
as shown. 155.6
Sq. Yds. Extra Pavt.

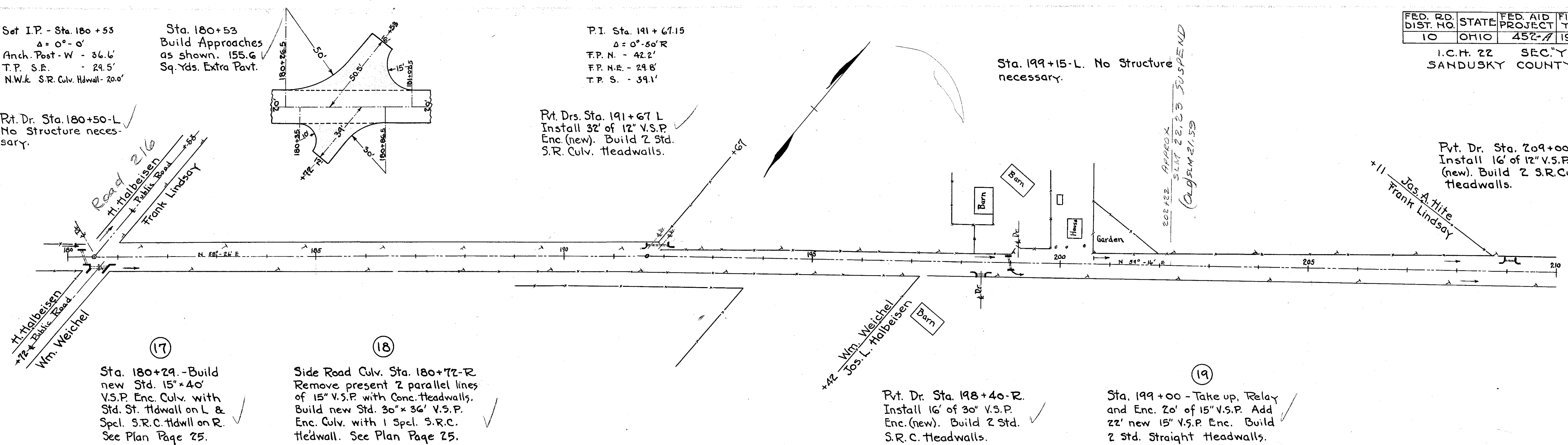
P.I. Sta. 191+67.15
Δ = 0°-50'R
F.P. N. - 42.2'
F.P. N.E. - 29.8'
T.P. S. - 39.1'

Pvt. Drs. Sta. 191+67 L
Install 32' of 12" V.S.P.
Enc. (new). Build 2 Std.
S.R. Culv. Headwalls.

Sta. 199+15-L. No Structure
necessary.

Pvt. Dr. Sta. 209+00-L
Install 16' of 12" V.S.P. Enc.
(new). Build 2 S.R. Culv.
Headwalls.

Pvt. Dr. Sta. 180+50-L
No Structure neces-
sary.

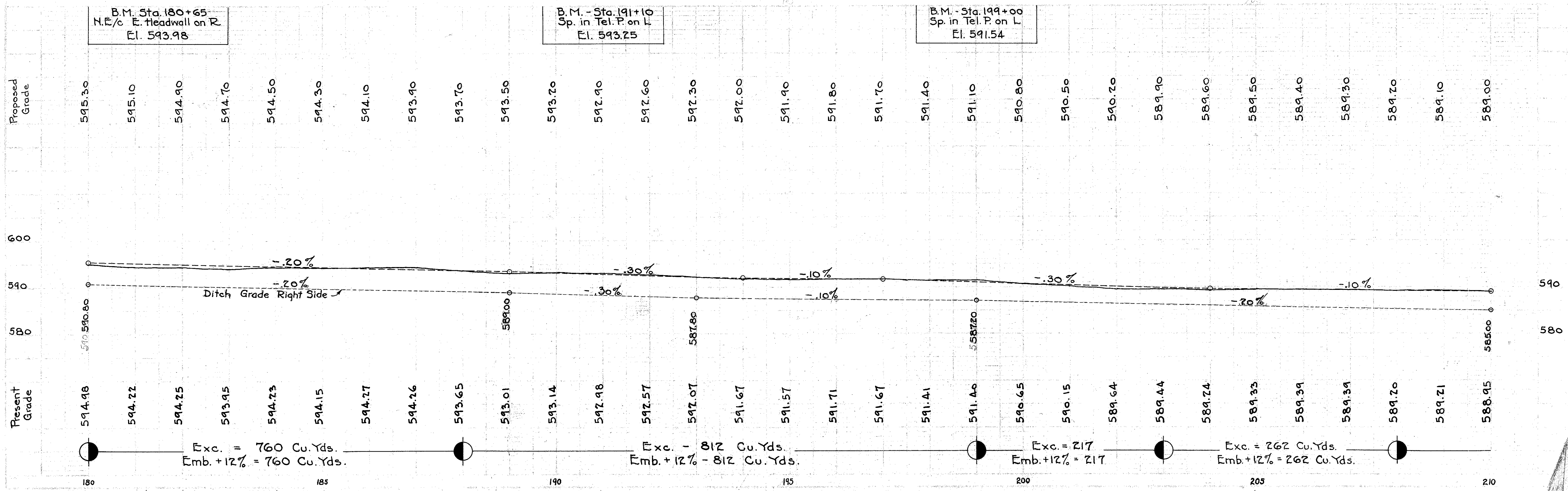


Sta. 180+29 - Build
new Std. 15" x 40'
V.S.P. Enc. Culv. with
Std. St. Hdwall on L &
Spcl. S.R.C. Hdwall on R.
See Plan Page 25.

Side Road Culv. Sta. 180+72-R
Remove present 2 parallel lines
of 15" V.S.P. with Conc. Headwalls.
Build new Std. 30" x 36" V.S.P.
Enc. Culv. with 1 Spcl. S.R.C.
Hdwall. See Plan Page 25.

Pvt. Dr. Sta. 198+40-R.
Install 16' of 30" V.S.P.
Enc. (new). Build 2 Std.
S.R.C. Headwalls.

Sta. 199+00 - Take up, Relay
and Enc. 20' of 15" V.S.P. Add
22' new 15" V.S.P. Enc. Build
2 Std. Straight Headwalls.

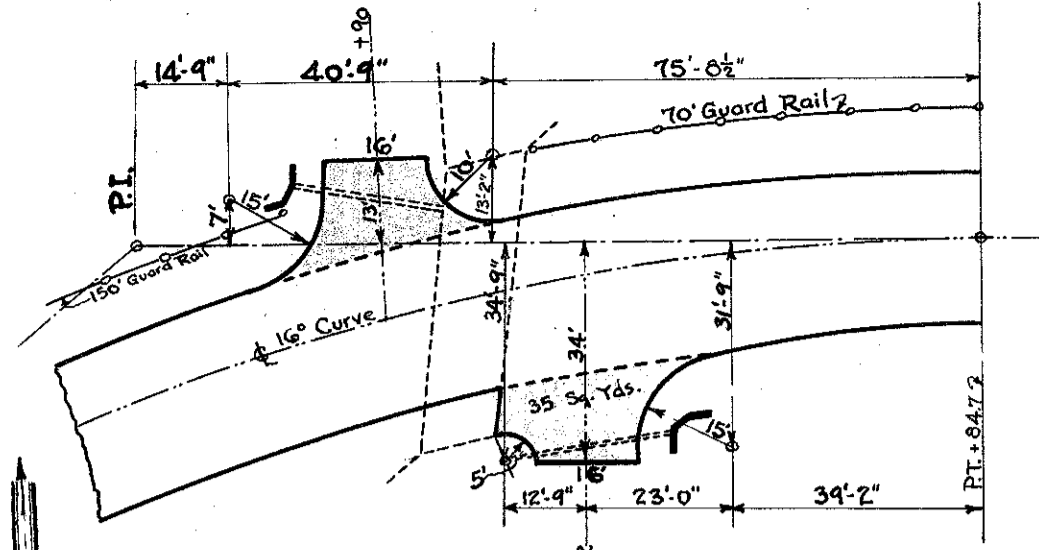


20 Side Road Culvert Sta. 213+90-L. Install 26' of 12" V.S.P. Enc. (new). Build Std. S.R.C. Hdwall. at W. end. East end penetrates new Abutment of Culv. Sta. 214+04.5 (No 21). See Pages 24-25.

21 Sta. 214+04.5 Remove super structure and East (stone) Abt. of present Lattice Rail bridge. Build concrete slab top culvert on new alignment as shown on Page 24.

22 Side Road Culvert Sta. 214+22-R. Relay present 18' of 12" V.S.P. on line of new ditch. Add 8' of 12" V.S.P. (new). All V.S.P. to be encased. Build S.R.C. Headwall at East end of pipe, the West end penetrates the S.E. Wing Wall of new Culv. Sta. 214+04.5 (No 21). See Pages 24-25.

Install 220 Lin. Ft. of Type "E" Guard Rail 20' Left of & from Sta. 212+30 to 213+80 and from Sta. 214+18 to 214+88.

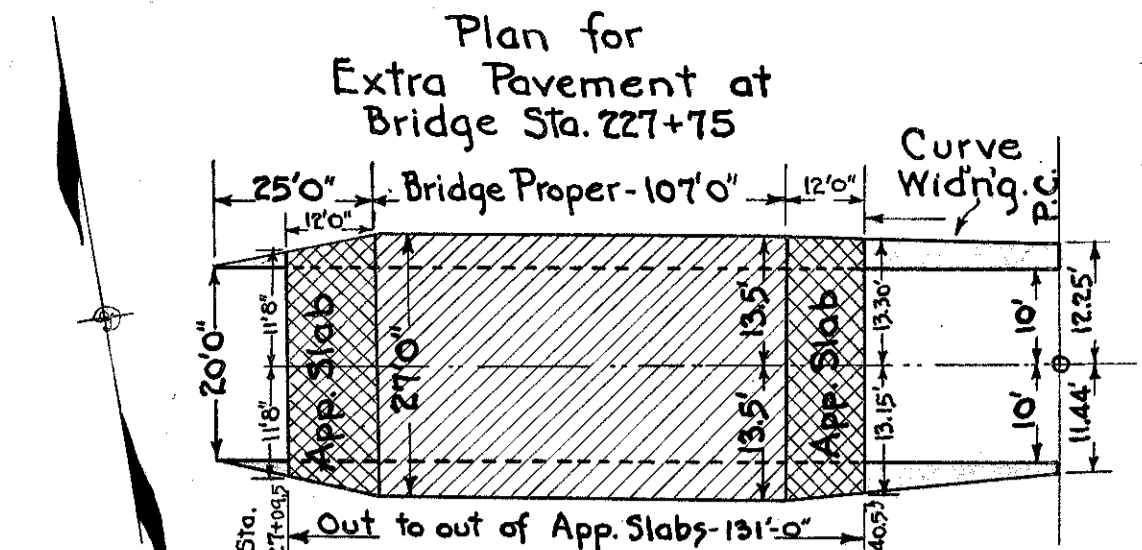


Build Approaches to Side Roads at Stas. 213+90 and 214+22 as shown above. 70 Sq. Yds. of Extra Pavement.

Pvt. Drives Sta. 220+30 R. & L. No Structures necessary.

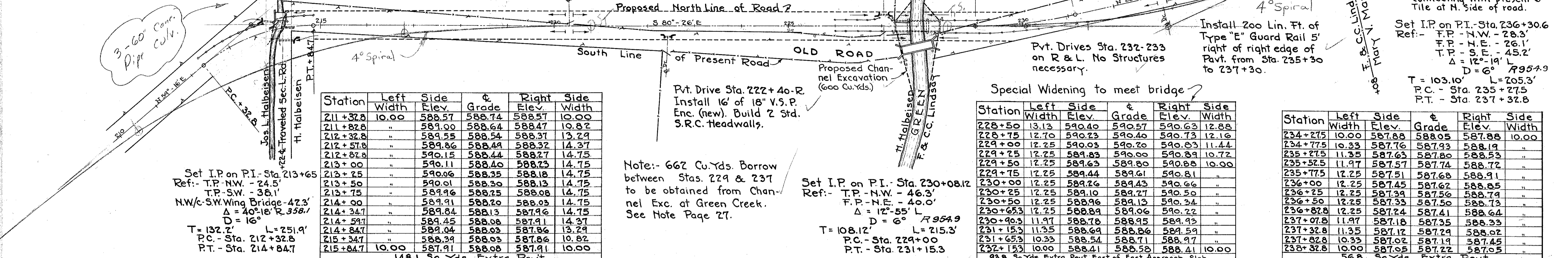
23 Sta. 227+75 - Remove present 70x16 Pratt Truss Bridge over Green Creek. Build Concrete Girder with beam approach spans on new alignment as shown by plans on Pages 26-27. 28' Roadway Length 109'

Install 200 Lin. Ft. of Type "E" Guard Rail 10' left of left edge of Pavt. from Sta. 226+20 to 227+20 and from 228+30 to 229+30. Turn back panels for Pvt. Drive at Sta. 227+00. Also install 390 Lin. Ft. 5" R of R. edge of Pavt. from Sta. 226+20 to 227+20 and from 228+30 to 231+20. Total Guard Rail Req'd. 590 Lin. Ft.



Pvt. Drive Sta. 227+00 Install 16' of 30" V.S.P. Enc. (new). Build 2 Std. S.R.C. Headwalls.

390.2 Sq. Yds. of 4" Wearing Surface on Bridge Proper and Approach Slabs. 2.4 Sq. Yds. Extra Pavt. to W. App. Slab. All Extra Pavt. East of the East App. Slab is included in the Curve Quantities as shown by the table below.



Station	Left Side		Grade	Right Side	
	Width	Elev.		Elev.	Width
211+32.8	10.00	588.57	588.74	588.57	10.00
211+82.8	"	589.00	588.64	588.47	10.82
212+32.8	"	589.55	588.54	588.37	13.29
212+57.8	"	589.86	588.49	588.32	14.37
212+82.8	"	590.15	588.44	588.27	14.75
213+00	"	590.11	588.40	588.23	14.75
213+25	"	590.06	588.35	588.18	14.75
213+50	"	590.01	588.30	588.13	14.75
213+75	"	589.96	588.25	588.08	14.75
214+00	"	589.91	588.20	588.03	14.75
214+24.7	"	589.84	588.13	587.96	14.75
214+59.7	"	589.45	588.08	587.91	14.37
214+84.7	"	589.04	588.03	587.86	13.29
215+34.7	"	588.39	588.03	587.86	10.82
215+84.7	10.00	587.91	588.08	587.91	10.00

148.1 Sq Yds. Extra Pavt.

Note: 662 Cu. Yds. Borrow between Stas. 229 & 237 to be obtained from Channel Exc. at Green Creek. See Note Page 27.

Set I.P. on P.I. - Sta. 230+08.12
 Ref: T.P. - N.W. - 46.3'
 F.P. - N.E. - 40.0'
 $\Delta = 12^\circ 55'$
 $D = 6^\circ$
 $T = 108.12'$ L = 215.3'
 P.C. - Sta. 229+00
 P.T. - Sta. 231+15.3

Special Widening to meet bridge?

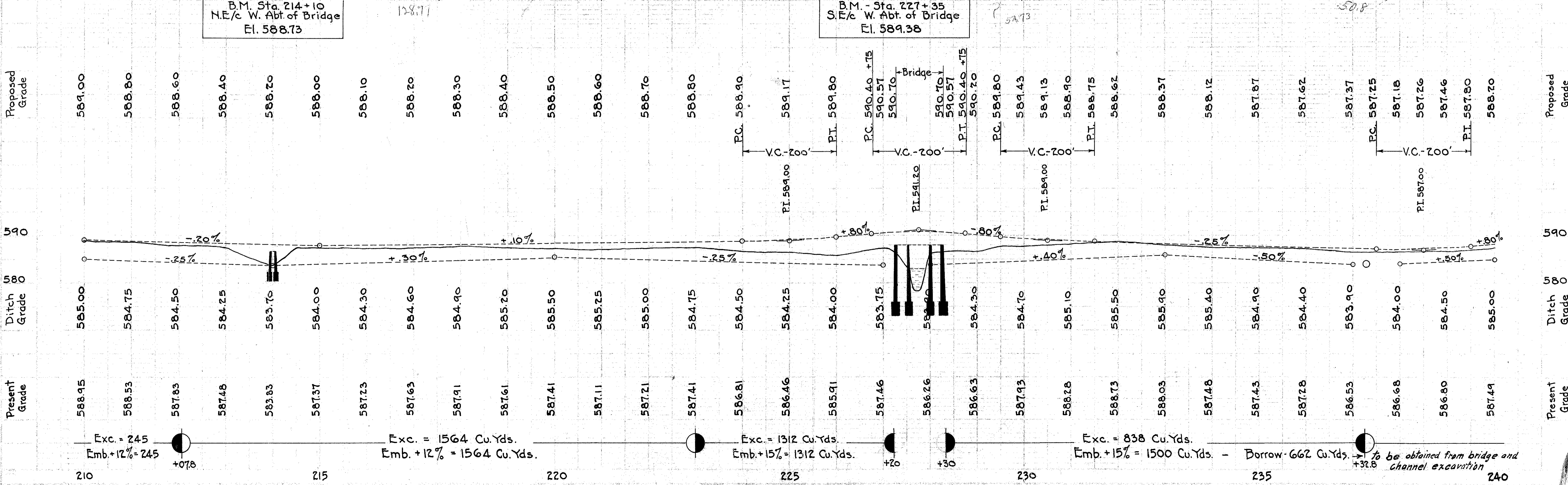
Station	Left Side		Grade	Right Side	
	Width	Elev.		Elev.	Width
228+50	13.13	590.40	590.57	590.63	12.88
228+75	12.70	590.23	590.40	590.73	12.16
229+00	12.25	590.03	590.20	590.83	11.44
229+25	12.25	589.83	590.00	590.89	10.72
229+50	12.25	589.63	589.80	590.88	10.00
229+75	12.25	589.44	589.61	590.81	"
230+00	12.25	589.26	589.43	590.66	"
230+25	12.25	589.10	589.27	590.50	"
230+50	12.25	588.96	589.13	590.34	"
230+75	12.25	588.89	589.06	590.22	"
230+90.3	11.97	588.78	588.95	589.93	"
231+15.3	11.35	588.64	588.86	589.59	"
231+65.3	10.33	588.54	588.71	589.97	"
232+15.3	10.00	588.41	588.58	588.41	10.00

93.8 Sq. Yds. Extra Pavt. East of East Approach Slab

Station	Left Side		Grade	Right Side	
	Width	Elev.		Elev.	Width
234+27.5	10.00	587.88	588.05	587.88	10.00
234+77.5	10.33	587.76	587.93	588.19	"
235+27.5	11.35	587.63	587.80	588.53	"
235+52.5	11.97	587.57	587.74	588.72	"
235+77.5	12.25	587.51	587.68	588.91	"
236+00	12.25	587.45	587.62	588.85	"
236+25	12.25	587.39	587.56	588.79	"
236+50	12.25	587.33	587.50	588.73	"
236+75	12.25	587.24	587.41	588.64	"
237+07.8	11.97	587.18	587.35	588.33	"
237+32.8	11.35	587.12	587.29	588.02	"
237+82.8	10.33	587.02	587.19	587.45	"
238+32.8	10.00	587.05	587.22	587.05	"

56.8 Sq. Yds. Extra Pavt.

Set I.P. on P.I. - Sta. 236+30.6
 Ref: F.P. - N.W. - 28.3'
 F.P. - N.E. - 26.1'
 T.P. - S.E. - 45.2'
 $\Delta = 12^\circ 19'$
 $D = 6^\circ$
 $T = 103.10'$ L = 205.3'
 P.C. - Sta. 235+27.5
 P.T. - Sta. 237+32.8



FED. RD. DIST. NO.	STATE	FED. AID PROJECT	FISCAL YEAR
10	OHIO	452 A	1926

11
29

I.C.H. 22 SEC. Y.
SANDUSKY COUNTY

Set I.P. on & Gibbs Road
Sta. 269+17.9
Ref:- N.W/c Store Bldg - 36.9'
Tel. Pole - N.W. - 30.5'
Tel. Pole - N.E. - 46.9'
Impvt. to end at West edge of macadam on Gibbs Road
Sta. 269+10

Pvt. Drive Sta. 268+50-L
Install 16' of 12" V.S.P. Enc. (new). Build 2 S.R. Culv. Headwalls.

Sta. 269+17.9-L. Takeup and relay present 30' of 30" C.I.P. Add 24' of 30" V.S.P. Enc. Bld. one Spl. S.R.C. Headwall. See Plan Page 28.

Sta. 267+58 - Remove present 28' of 15" V.S.P. with stone hdwall on R. Also take up 150' of 12" tile crossing road diagonally

Pvt. Dr. 268+70 - R. Install 16' of 12" V.S.P. Enc. (new). Build 2 S.R. Culv. Headwalls.

Sta. 267+58 to 268+78 - Install 120' of 12" tile 20' R & East Headwall of Pvt. Drive Culvert Sta. 268+70 to serve as hdwall for outlet of 12" tile.

Sta. 268+90. Build new Std. 18"x42" V.S.P. Enc. Culvert with 2 Spl. S.R. C. Hdwalls. See Plans Page 28.

Pvt. Drive Sta. 249+00-L
Install 16' of 12" V.S.P. Enc. (new). Build 2 S.R. Culv. Headwalls.

Pvt. Drive Sta. 253+80-L
Install 16' of 12" V.S.P. Enc. (new). Build 2 S.R. Culv. Headwalls.

Pvt. Drive Sta. 244-L
No Structure necessary

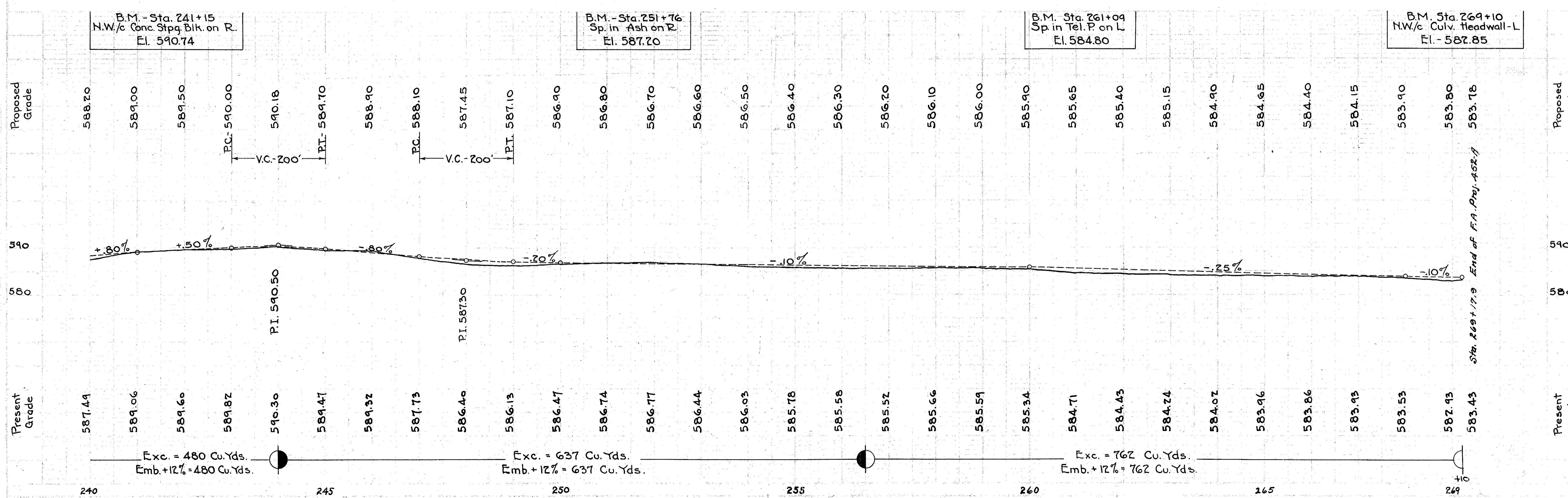
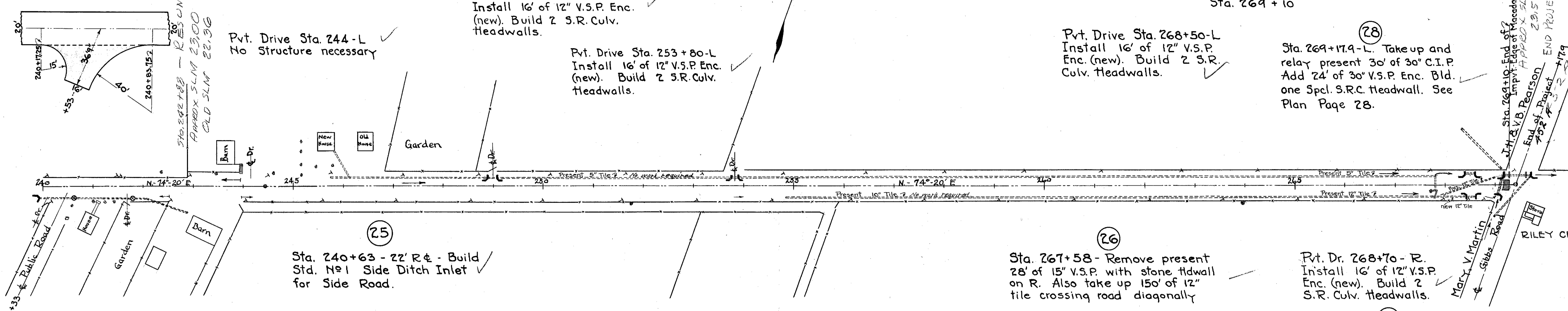
Set I.P. on & Sta. 244+07.7
Ref:- Tel. P. - N. - 18.8'
Maple Tree - N.E. - 28.6'
F.P. - S.E. - 30.2'
 $\Delta = 0^{\circ}-0'$

Sta. 240+53 - Build Approach for Side Road as shown below. - 72.2 Sq. Yds. of Extra Pavt. required.

Sta. 240+63 - 22' R & - Build Std. No 1 Side Ditch Inlet for Side Road.

Pvt. Drive Sta. 240+04-R
Extend present 12" V.S.P. 12' - Encase and build one Std. S.R. Culv. Headwall.

Pvt. Drive Sta. 241+60 - Build Std. No 1 Side Ditch Inlet 22' R of &.



B.M. - Sta. 241+15
N.W/c Conc. Stpg. Blk. on R.
El. 590.74

B.M. - Sta. 251+76
Sp. in Ash on R.
El. 587.20

B.M. - Sta. 261+09
Sp. in Tel. P. on L.
El. 584.80

B.M. - Sta. 269+10
N.W/c Culv. Headwall-L
El. 582.85

Sta. 269+17.9 End of F.A. Proj. 452-A