

#2084 8086

I.C.H.#283, Sec.A, B & Haskins.
Wood County.

1
27
FILE NO.

File #439

STATE HIGHWAY DEPARTMENT OF OHIO
Bureau of Construction

SECTIONS "A"
"B" & "HASKINS"

BOWLING GREEN - WATERVILLE ROAD

I.C.H. N° 283 PET. N° 4152 & 4174

WOOD COUNTY

MIDDLETON TOWNSHIP

— INDEX —

Typical Cross Sections	Sheet	2.
Plans and Profiles	"	3 to 11.
Cross Sections	"	17 to 27.
Culverts	"	12 to 16.

— SCALES —

- Plans 1 Inch = 100 Feet.
- Profiles 1 Inch = 100 Ft. Horizontal & 1 Inch = 10 Ft. Vertical.
- Cross Sections 1 Inch = 5 Feet Vertical & Horizontal.
- Details 1 Inch = Foot.

— CONVENTIONAL SIGNS —

- County Line -----
- Township Line -----
- Section Line -----
- Corporation Line -----
- Property Line -----
- Fence Line -----
- Center Line of Survey -----
- Telephone or Telegraph Poles T T T T T
- Railroads -----
- Electric Lines -----

The Standard Specifications of the State Highway Department of Ohio 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 the detours will be indicated by signs as shown on the plans and estimates.

Approved *J. L. Stambaugh*
Date, 6-27-1921 Resident Engineer.

Approved *Edwin Hilly*
Date, 7/14/1921. Division Engineer.

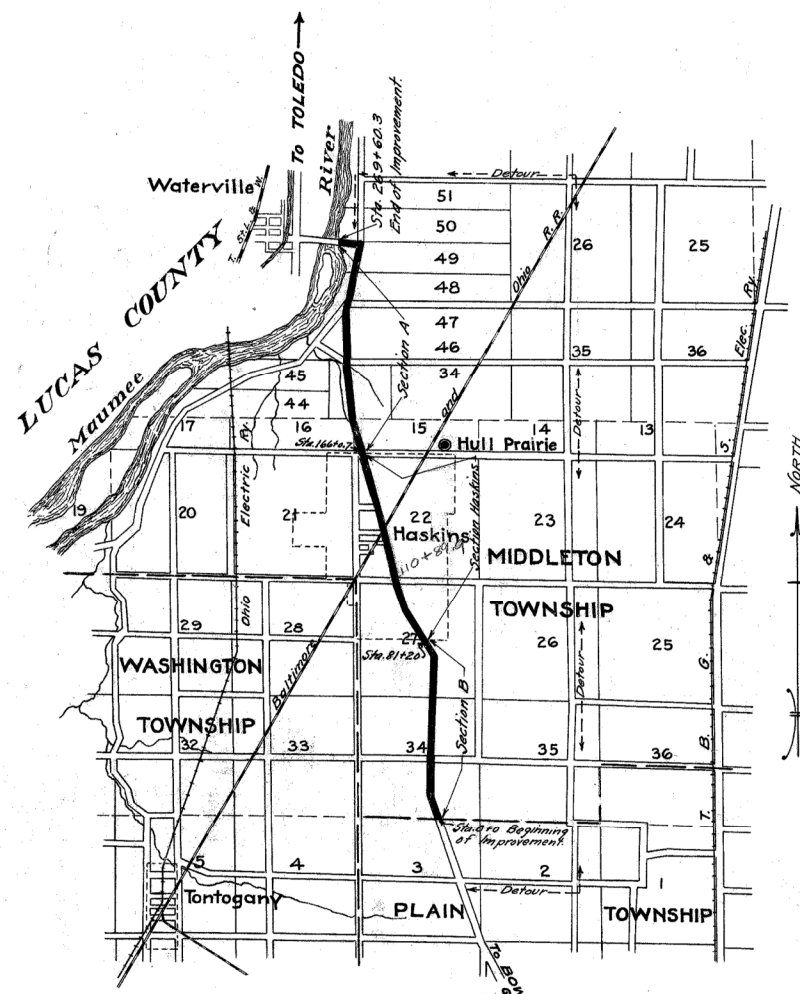
Approved *E. W. Ross*
Date, 8/1/21 Chief Highway Engineer.

Approved *Leon C. Henrick*
Date, 8/19/21 State Highway Commissioner.

CONSTRUCTION BUREAU
AUG 1 1921
GROUND PHOTOLAB

We, the Commissioners of Wood County, hereby approve these plans and certify that the right-of-way 60 feet wide, is available for the construction, maintenance and repair of the above highway.

F. M. Adams
L. S. Eggleston
Date 6-27-1921 County Commissioners.

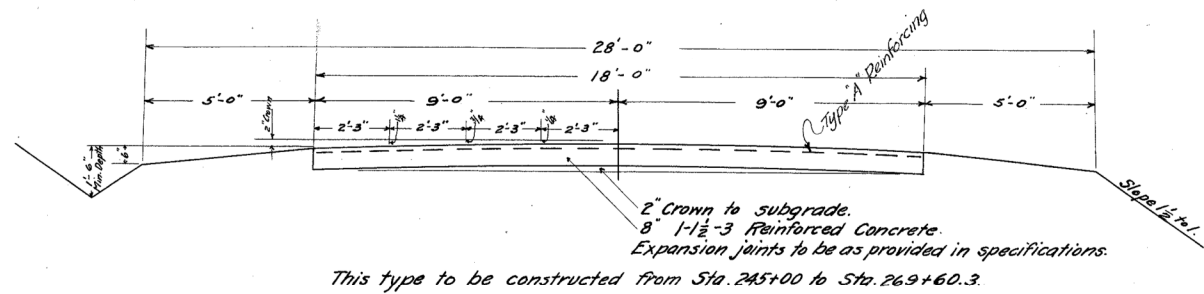


LOCATION PLAN
Scale 1 1/2 Inches = 1 Mile
PORTION TO BE IMPROVED

CROSS-SECTIONS

SECTION "A"

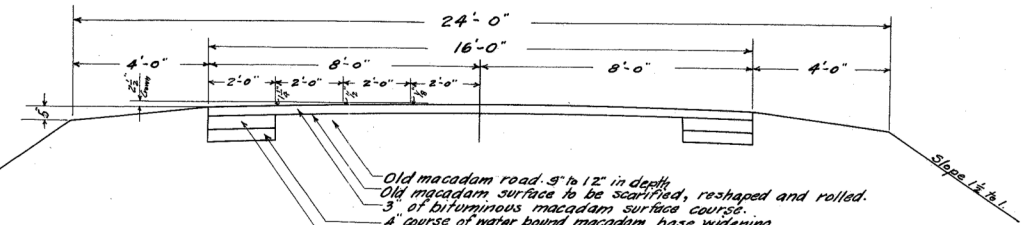
Reinforced Concrete



This type to be constructed from Sta. 245+00 to Sta. 269+60.3.

SECTION "HASKINS"

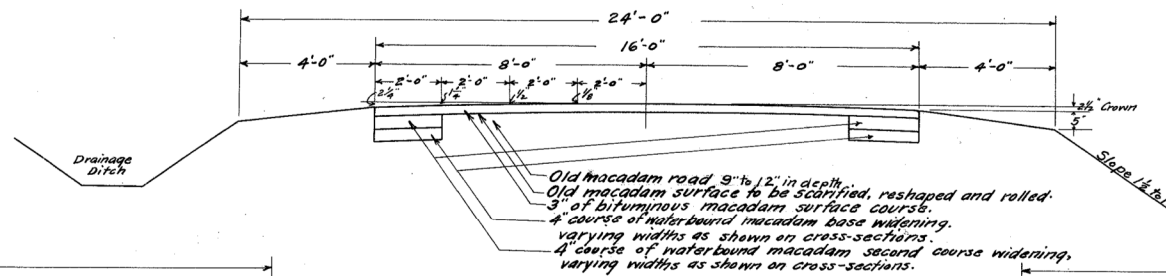
16' Bituminous Macadam
on
Old Macadam Base



This type to be constructed from Sta. 81+20 to Sta. 110+89.9.

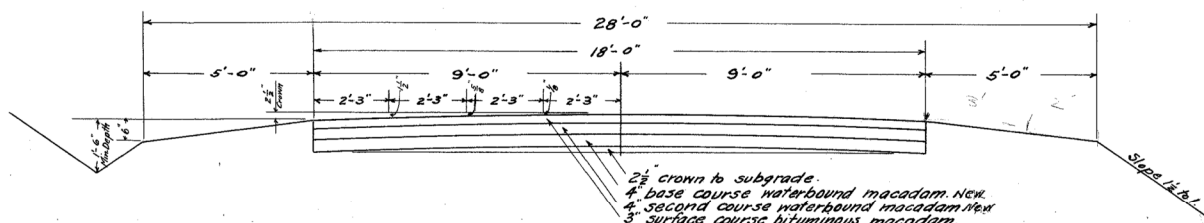
SECTION "B"

16' Bituminous Macadam
on
Old Macadam Base



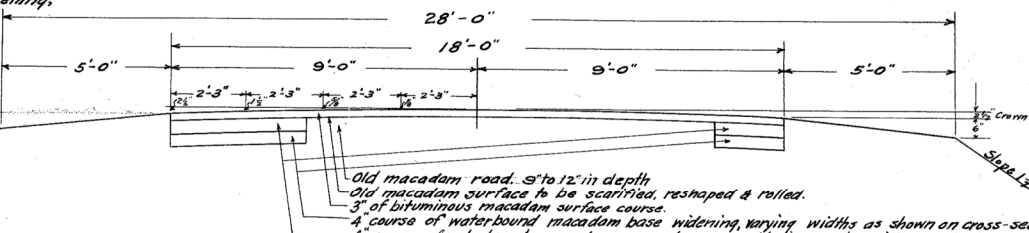
This type to be constructed from Sta. 0+00 to Sta. 69+00 and from Sta. 72+50 to Sta. 81+20.

Bituminous Macadam
on
New Macadam Base



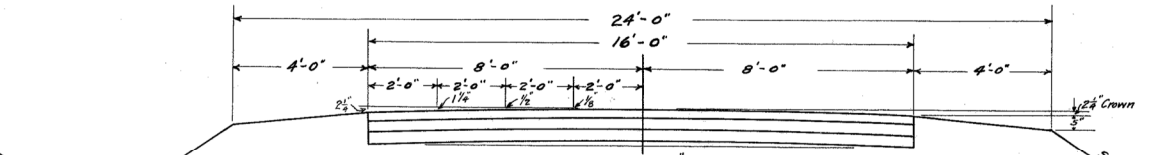
This type to be constructed from Sta. 200+00 to Sta. 203+00, Sta. 234+00 to Sta. 236+00 and an approach at Sta. 261+93.4.

18' Bituminous Macadam
on
Old Macadam Base



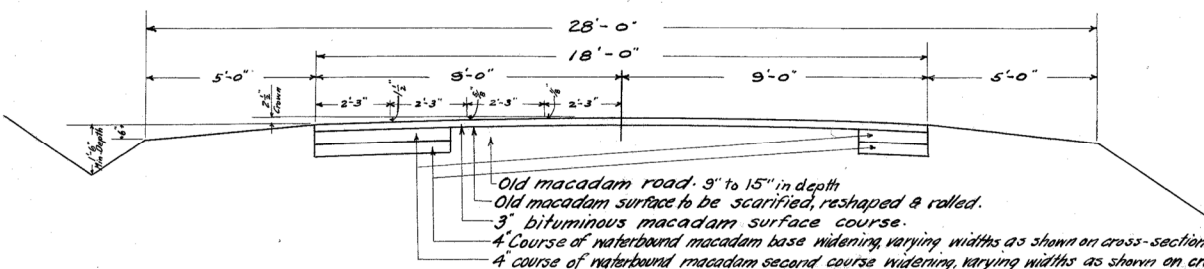
This type to be constructed from Sta. 110+89.9 to Sta. 123+26 and from Sta. 148+20 to Sta. 166+00.7.

16' Bituminous Macadam
on
New Macadam Base



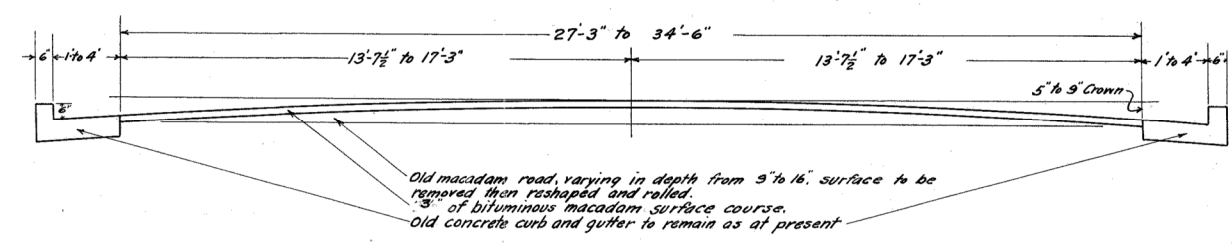
This type to be constructed from Sta. 69+00 to Sta. 72+50.

Bituminous Macadam
on
Old Macadam Base

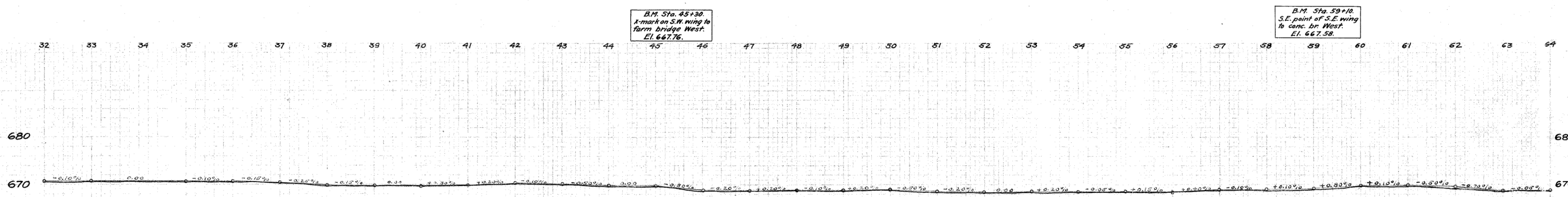
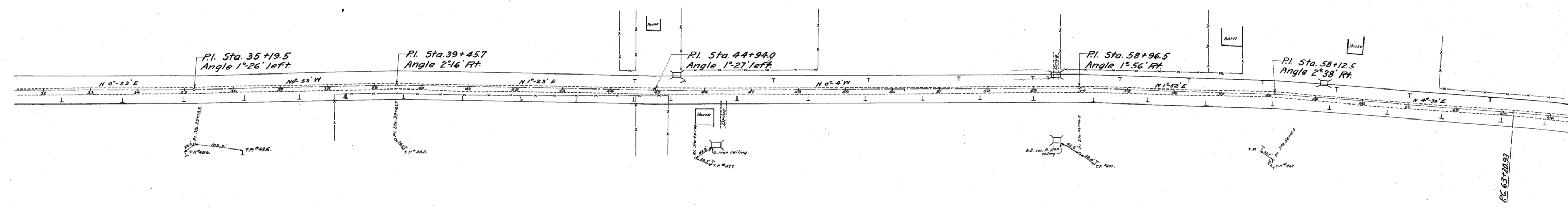


This type to be constructed from Sta. 166+00.7 to Sta. 200+00, Sta. 203+00 to Sta. 234+00 and Sta. 236+00 to Sta. 245+00.

Bituminous Macadam
on
Old Macadam Base with Curbs



This type to be constructed from Sta. 123+26 to Sta. 148+20.



Station	Surface Elevation	Finished Grade Elevation
32	670.45	670.65
33	670.47	670.55
34	670.50	670.55
35	670.35	670.55
36	670.35	670.45
37	670.11	670.25
38	669.75	670.00
39	669.76	669.85
40	669.75	669.85
41	669.98	670.15
42	670.17	670.36
43	670.05	670.25
44	669.65	669.75
45	669.61	669.75
46	668.72	668.85
47	668.61	668.75
48	668.72	668.95
49	668.66	668.85
50	668.86	669.05
51	668.31	668.55
52	668.16	668.35
53	668.23	668.35
54	668.31	668.55
55	668.25	668.50
56	668.45	668.55
57	668.83	669.05
58	668.73	668.95
59	668.93	669.05
60	668.62	668.85
61	669.81	669.95
62	668.31	668.45
63	668.64	668.75
64	668.62	668.70

Exc. 192 Cuyds
Emb. +15% 192 Cuyds.
Waste 10 Cuyds.

Exc. 114 Cuyds.
Emb. +15% 104 Cuyds.
Waste 10 Cuyds.

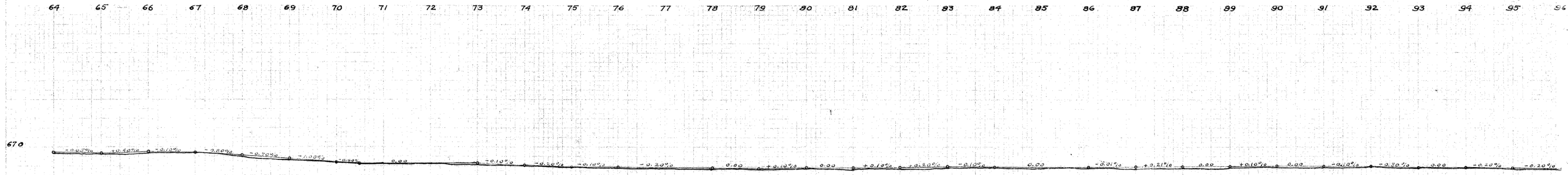
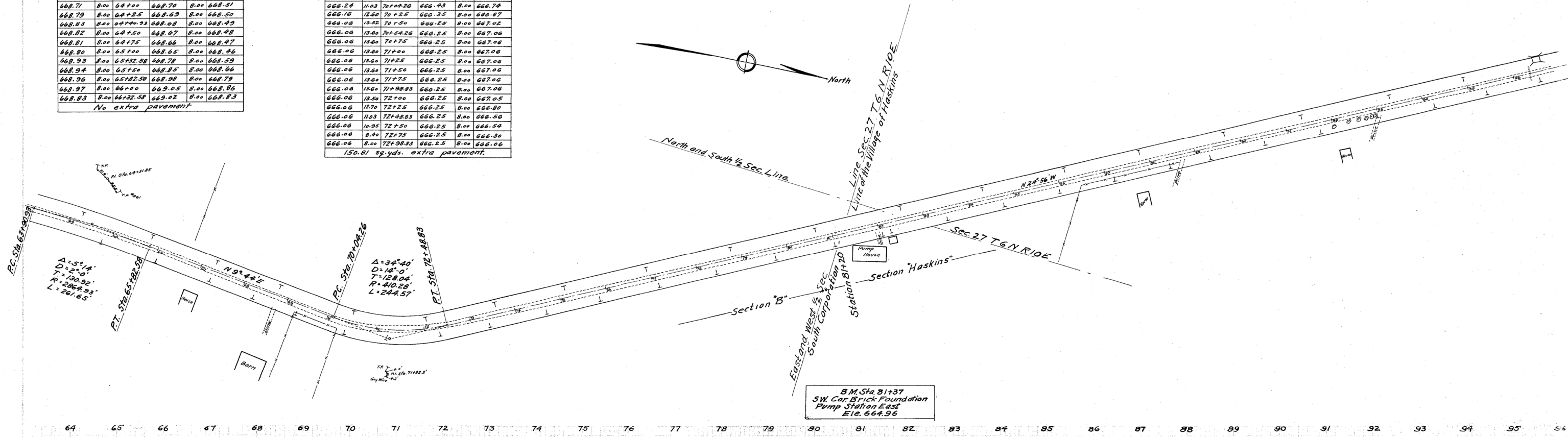
Exc. 178 Cuyds
Emb. +15% 153 Cuyds
Waste 2.5 Cuyds.

Left				Right			
Sta. #	Width	Station	Grade	Width	Station	Grade	Sta. #
668.54	8.00	63+40.93	668.73	8.00	668.54		
668.56	8.00	63+50.93	668.72	8.00	668.53		
668.69	8.00	63+90.93	668.71	8.00	668.52		
668.77	8.00	64+00	668.70	8.00	668.51		
668.79	8.00	64+25	668.69	8.00	668.50		
668.83	8.00	64+40.93	668.68	8.00	668.49		
668.82	8.00	64+50	668.67	8.00	668.48		
668.81	8.00	64+75	668.66	8.00	668.47		
668.80	8.00	65+00	668.65	8.00	668.46		
668.93	8.00	65+32.58	668.78	8.00	668.59		
668.94	8.00	65+50	668.85	8.00	668.66		
668.96	8.00	65+87.50	668.98	8.00	668.79		
668.97	8.00	66+00	669.05	8.00	668.86		
668.83	8.00	66+32.58	669.02	8.00	668.83		

No extra pavement

Left				Right			
Sta. #	Width	Station	Grade	Width	Station	Grade	Sta. #
666.26	8.00	69+54.26	666.45	8.00	666.26		
666.26	8.70	69+75	666.45	8.00	666.46		
666.26	10.00	70+00	666.45	8.00	666.71		
666.24	11.03	70+40.26	666.43	8.00	666.74		
666.16	12.60	70+25	666.35	8.00	666.87		
666.08	13.02	70+00	666.25	8.00	667.02		
666.06	13.60	70+54.26	666.25	8.00	667.06		
666.06	13.60	70+75	666.25	8.00	667.06		
666.06	13.60	71+00	666.25	8.00	667.06		
666.06	13.60	71+25	666.25	8.00	667.06		
666.06	13.60	71+50	666.25	8.00	667.06		
666.06	13.60	71+75	666.25	8.00	667.06		
666.06	13.60	71+98.83	666.25	8.00	667.06		
666.06	13.50	72+00	666.25	8.00	667.05		
666.06	12.70	72+25	666.25	8.00	666.80		
666.06	11.03	72+48.83	666.25	8.00	666.56		
666.06	10.95	72+50	666.25	8.00	666.54		
666.06	8.00	72+75	666.25	8.00	666.30		
666.06	8.00	72+98.83	666.25	8.00	666.06		

150.81 sq. yds. extra pavement.



Station	Elevation of Surface	Finished Grade
668.33	668.33	668.33
668.45	668.45	668.45
668.77	668.77	668.77
668.85	668.85	668.85
668.93	668.93	668.93
668.95	668.95	668.95
667.93	667.93	667.93
667.15	667.15	667.15
667.24	667.24	667.24
667.45	667.45	667.45
666.72	666.72	666.72
666.75	666.75	666.75
666.95	666.95	666.95
666.25	666.25	666.25
666.52	666.52	666.52
666.25	666.25	666.25
666.10	666.10	666.10
666.25	666.25	666.25
666.20	666.20	666.20
666.25	666.25	666.25
666.29	666.29	666.29
666.25	666.25	666.25
666.16	666.16	666.16
666.25	666.25	666.25
666.06	666.06	666.06
666.15	666.15	666.15
665.82	665.82	665.82
665.95	665.95	665.95
666.70	666.70	666.70
666.95	666.95	666.95
665.50	665.50	665.50
665.65	665.65	665.65
666.30	666.30	666.30
665.45	665.45	665.45
665.45	665.45	665.45
665.42	665.42	665.42
665.55	665.55	665.55
665.82	665.82	665.82
665.66	665.66	665.66
665.69	665.69	665.69
665.85	665.85	665.85
665.59	665.59	665.59
665.75	665.75	665.75
665.65	665.65	665.65
665.75	665.75	665.75
665.55	665.55	665.55
665.75	665.75	665.75
665.49	665.49	665.49
665.74	665.74	665.74
665.79	665.79	665.79
665.95	665.95	665.95
665.80	665.80	665.80
665.95	665.95	665.95
665.86	665.86	665.86
666.05	666.05	666.05
665.86	665.86	665.86
666.05	666.05	666.05
665.82	665.82	665.82
665.95	665.95	665.95
665.76	665.76	665.76
665.65	665.65	665.65
665.53	665.53	665.53
665.65	665.65	665.65
665.36	665.36	665.36
665.45	665.45	665.45
665.12	665.12	665.12
665.25	665.25	665.25

Exc. 255 Cuyds.
Emb. +15% 227 Cuyds.
Waste 28 Cuyds.

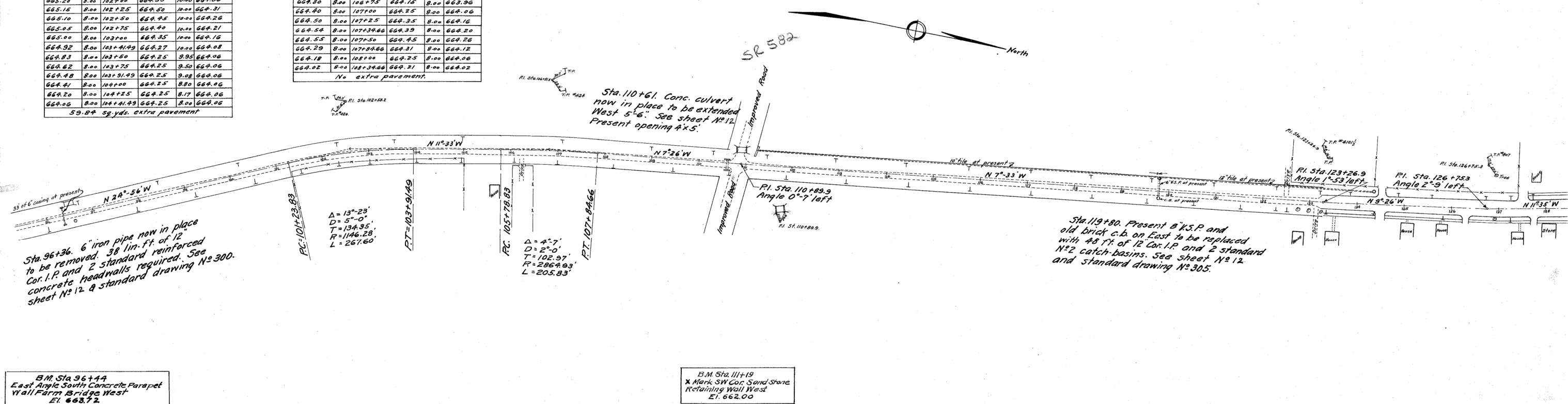
Exc. 124 Cuyds.
Emb. +15% 124 Cuyds.

Exc. 186 Cuyds.
Emb. +15% 177 Cuyds.
Waste 9 Cuyds.

Left Edge of Pav.	Width	Station	Grade	Right Edge of Pav.	
664.51	8.00	100+73.83	664.70	8.00	664.51
664.68	8.00	101+00	664.65	8.00	664.46
664.88	8.00	101+23.83	664.65	9.00	664.46
664.72	8.00	101+50	664.65	9.75	664.46
665.23	8.00	101+73.83	664.68	10.00	664.39
665.20	8.00	102+00	664.55	10.00	664.36
665.16	8.00	102+25	664.50	10.00	664.31
665.10	8.00	102+50	664.45	10.00	664.26
665.05	8.00	102+75	664.40	10.00	664.21
665.00	8.00	103+00	664.35	10.00	664.16
664.92	8.00	103+41.49	664.27	10.00	664.08
664.83	8.00	103+50	664.25	9.95	664.06
664.82	8.00	103+75	664.25	9.50	664.06
664.78	8.00	103+91.49	664.25	9.08	664.06
664.71	8.00	104+00	664.25	8.70	664.06
664.20	8.00	104+25	664.25	8.17	664.06
664.06	8.00	104+41.49	664.25	8.00	664.06

Left Edge of Pav.	Width	Station	Grade	Right Edge of Pav.	
664.00	8.00	105+28.83	664.19	8.00	664.00
664.06	8.00	105+50	664.15	8.00	663.96
664.07	8.00	105+78.83	664.09	8.00	663.90
664.10	8.00	106+00	664.05	8.00	663.86
664.20	8.00	106+28.83	664.05	8.00	663.86
664.20	8.00	106+50	664.05	8.00	663.86
664.30	8.00	106+75	664.16	8.00	663.96
664.40	8.00	107+00	664.25	8.00	664.06
664.50	8.00	107+25	664.35	8.00	664.16
664.54	8.00	107+34.66	664.39	8.00	664.20
664.55	8.00	107+50	664.45	8.00	664.26
664.59	8.00	107+84.66	664.31	8.00	664.12
664.18	8.00	108+00	664.25	8.00	664.06
664.02	8.00	108+34.66	664.21	8.00	664.02

No extra pavement.



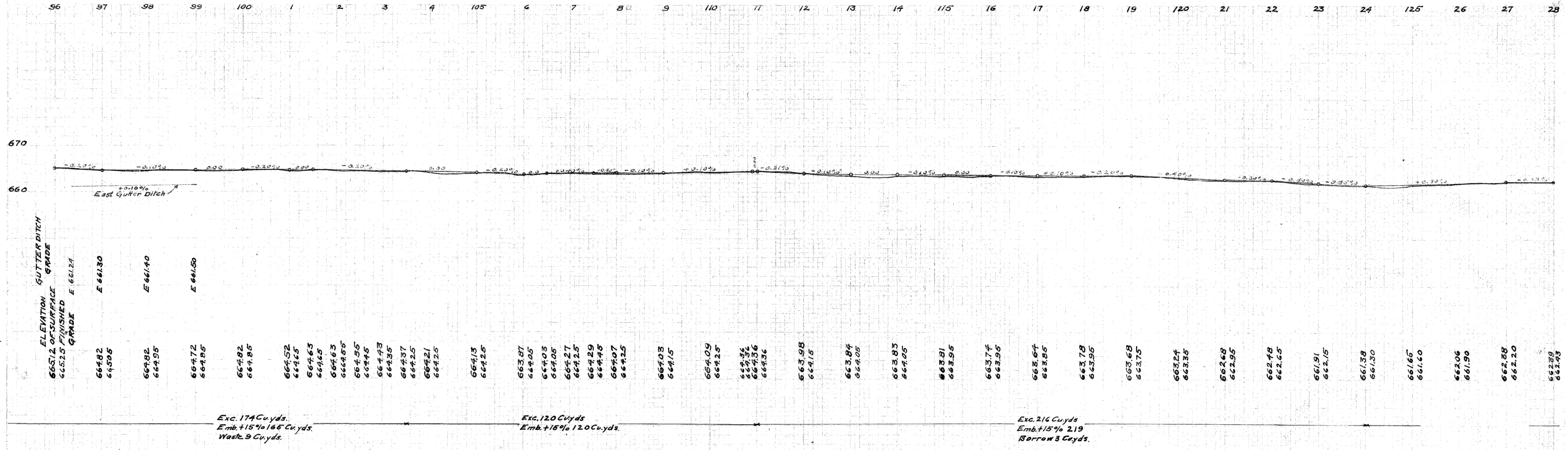
Sta. 96+36. 6" iron pipe now in place to be removed. 38 lin. ft. of 12 Cor. I.P. and 2 standard reinforced concrete headwalls required. See sheet No. 12 & standard drawing No. 300.

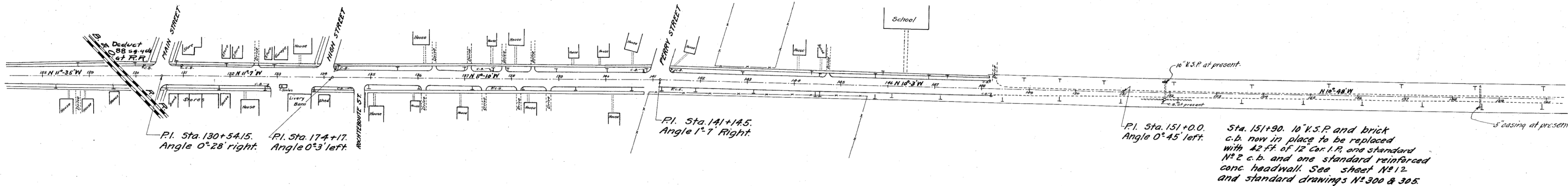
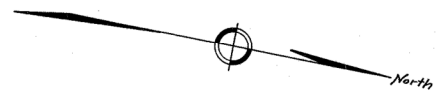
Sta. 110+61. Conc. culvert now in place to be extended West 5'-6". See sheet No. 12. Present opening 4x5.

Sta. 119+80. Present brick C.B. and old brick C.B. on East to be replaced with 48 ft. of 12 Cor. I.P. and 2 standard No. 2 catch-basins. See sheet No. 12 and standard drawing No. 305.

B.M. Sta. 96+14
East Angle South Concrete Parapet
Wall Farm Bridge West
El. 663.72

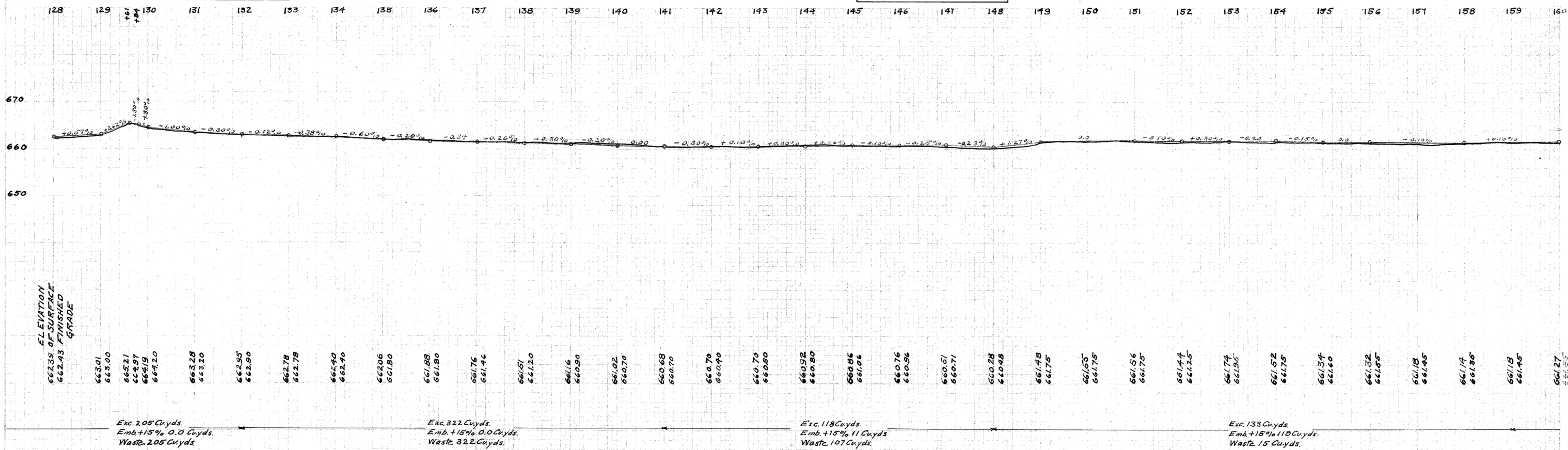
B.M. Sta. 111+19
Mark SW Cor. Sand Stone
Retaining Wall West
El. 662.00





B.M. Sta. 130+80
Center of Iron Plate North Door-Column
Bank east.
El. 664.02

B.M. 146+35
X Marks E. Corner-Step Main
Entrance School Building West
El. 663.66



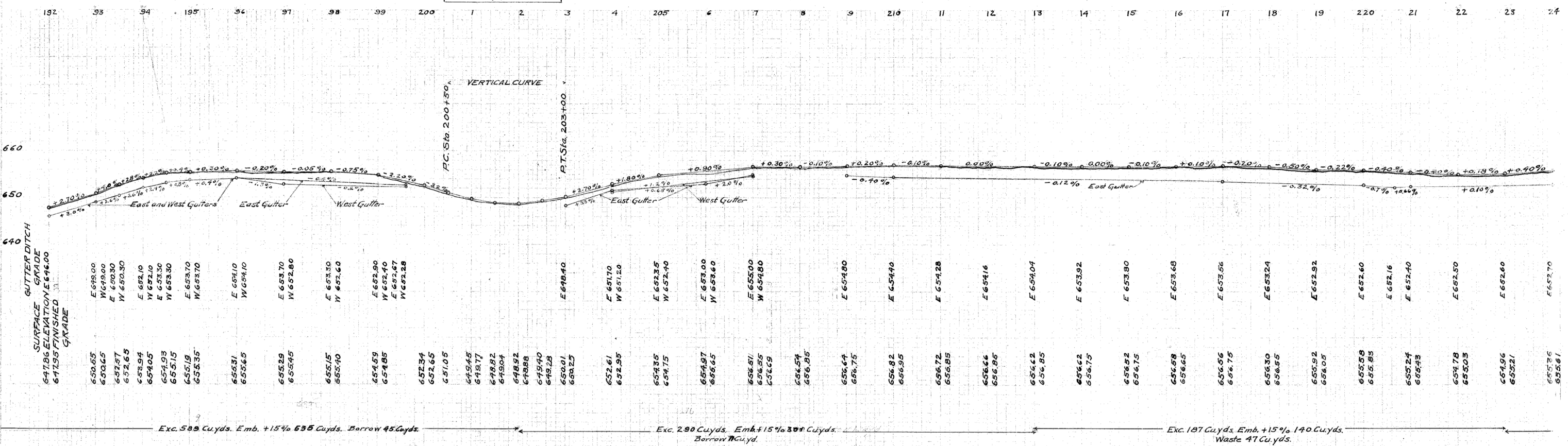
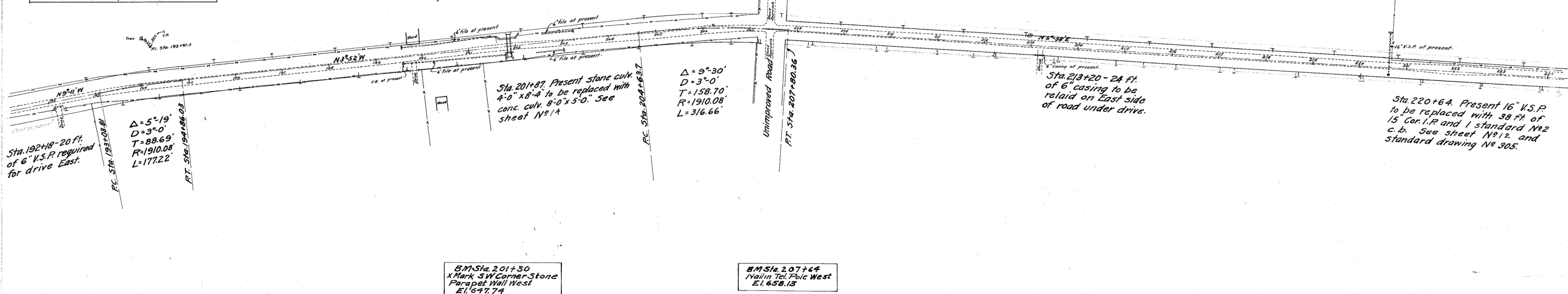
Left Edge of Pav.	Width	Station	Grade Elev.	Right Width	Edge of Pav.
649.34	9.00	192+58.81	649.54	9.00	649.34
649.86	9.00	192+75	649.97	9.00	649.77
650.69	9.00	193+00	650.65	9.00	650.45
650.92	9.00	193+08.81	650.83	9.00	650.63
651.84	9.00	193+25	651.65	9.00	651.45
652.98	9.00	193+50	652.65	9.00	652.45
653.15	9.00	193+58.81	652.77	9.00	652.57
653.73	9.00	193+75	653.35	9.00	653.15
654.43	9.00	194+00	654.05	9.00	653.85
654.98	9.00	194+25	654.60	9.00	654.40
655.22	9.00	194+36.03	654.84	9.00	654.64
655.43	9.00	194+50	655.15	9.00	654.95
655.40	9.00	194+75	655.25	9.00	655.05
655.38	9.00	194+86.03	655.29	9.00	655.09
655.36	9.00	195+00	655.35	9.00	655.15
655.28	9.00	195+25	655.42	9.00	655.22
655.26	9.00	195+36.03	655.46	9.00	655.26

No extra pavement.

Left Edge of Pav.	Width	Station	Grade Elev.	Right Width	Edge of Pav.
653.00	9.00	204+13.7	653.20	9.00	653.00
653.73	9.00	204+50	653.85	9.00	653.65
654.19	9.00	204+63.7	654.10	9.00	653.90
655.05	9.00	205+00	654.75	9.00	654.55
654.39	9.00	205+13.7	655.01	9.00	654.81
656.08	9.00	205+50	655.70	9.00	655.50
656.03	9.00	206+00	655.65	9.00	655.45
656.48	9.00	206+50	656.10	9.00	655.90
656.93	9.00	207+00	656.55	9.00	656.35
657.02	9.00	207+36.36	656.64	9.00	656.44
658.88	9.00	207+80.36	656.79	9.00	656.59
658.82	9.00	208+00	656.85	9.00	656.65
658.62	9.00	208+36.36	656.82	9.00	656.62

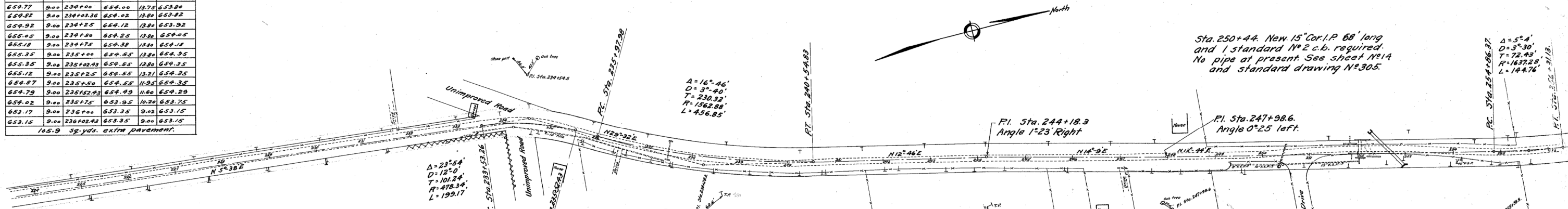
No extra pavement.

Standard type "A" guard rail
Sta. 200+75 to Sta. 202+65 both sides
Total length 300 ft.



Left Edge of Pav.	Width	Station	Grade Elev.	Right Edge of Pav.	
654.91	9.00	233+03.36	653.11	9.00	654.91
654.78	9.00	233+25	654.87	9.70	654.67
654.85	9.00	233+50	654.58	11.40	654.38
654.84	9.00	233+53.36	654.54	11.80	654.34
654.80	9.00	233+75	654.28	12.85	654.08
654.77	9.00	234+00	654.00	13.75	653.80
654.82	9.00	234+03.36	654.02	13.80	653.82
654.92	9.00	234+25	654.12	13.80	653.92
655.05	9.00	234+50	654.22	13.80	654.05
655.18	9.00	234+75	654.38	13.80	654.18
655.35	9.00	235+00	654.55	13.80	654.35
655.35	9.00	235+02.43	654.55	13.80	654.35
655.12	9.00	235+25	654.55	13.21	654.35
654.87	9.00	235+50	654.55	11.95	654.35
654.79	9.00	235+52.43	654.49	11.80	654.29
654.02	9.00	235+75	653.95	10.20	653.75
653.17	9.00	236+00	653.35	9.02	653.15
653.15	9.00	236+02.43	653.35	9.00	653.15

105.9 sq. yds. extra pavement.



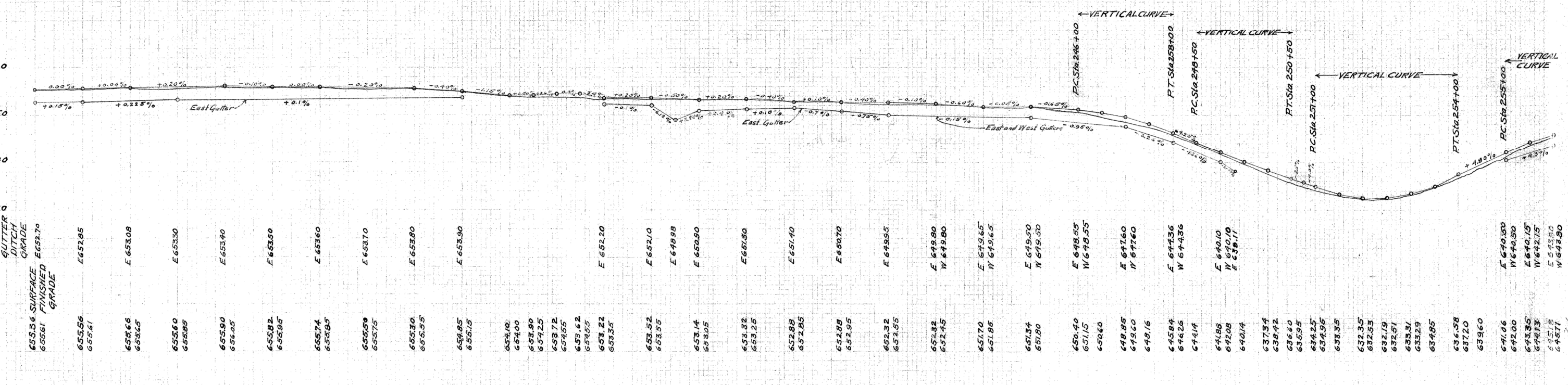
Left Edge of Pav.	Width	Station	Grade Elev.	Right Edge of Pav.	
654.35	9.00	235+47.98	654.55	9.00	654.35
654.35	9.00	235+50	654.55	9.00	654.56
653.20	9.00	235+52.98	653.40	9.00	653.74
653.15	9.00	236+00	653.35	9.00	653.87
653.24	9.00	236+42.98	653.44	9.00	654.12
653.25	9.00	236+50	653.45	9.00	654.13
653.35	9.00	237+00	653.55	9.00	654.23
653.10	9.00	237+50	653.30	9.00	653.93
652.85	9.00	238+00	653.05	9.00	653.73
652.95	9.00	238+50	653.15	9.00	653.83
653.05	9.00	239+00	653.25	9.00	653.93
652.85	9.00	239+50	653.05	9.00	653.73
652.65	9.00	240+00	652.85	9.00	653.53
652.65	9.00	240+02.43	652.85	3.00	653.53
652.70	9.00	240+50	652.90	9.00	653.44
652.70	9.00	240+52.43	652.90	9.00	653.24
652.75	9.00	241+00	652.95	9.00	652.98
652.73	9.00	241+02.43	652.93	9.00	652.73

No extra pavement.

BM Sta. 226+37
Nail Top Pole East
Ei. 656.70

BM Sta. 235+90
NW Corner Lower Concrete
Step House East
Ei. 656.17

224 225 6 7 8 9 230 1 2 3 4 235 6 7 8 9 240 1 2 3 4 245 6 7 8 9 250 1 2 3 4 5 6



Exc. 379 Cu. yds. Emb. +15% 368 Cu. yds.
Waste 11 Cu. yds.

Exc. 401 Cu. yds. Emb. +15% 407 Cu. yds.
Borrow 6 Cu. yds.

Exc. 1434 Cu. yds. Emb. +15% 1436 Cu. yds.
Borrow 2 Cu. yds.

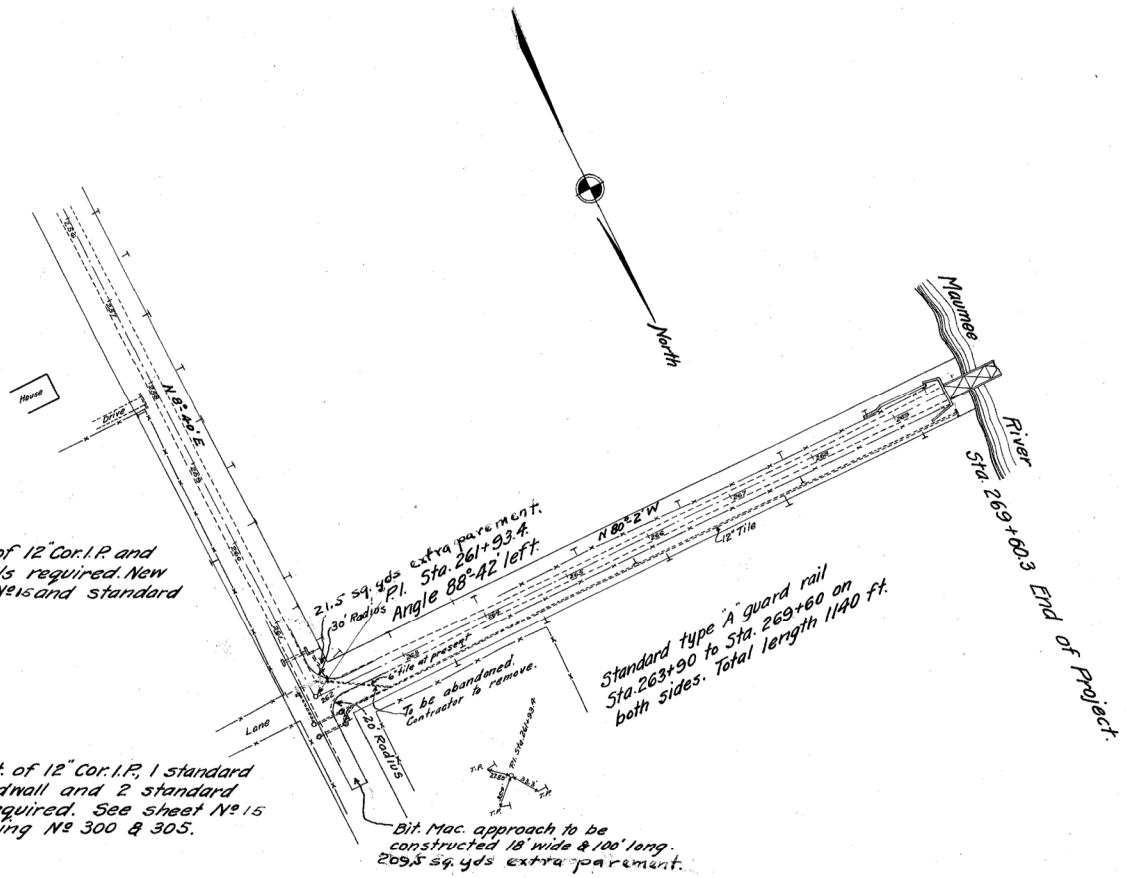
Left	Right
Station	Station
638.78	638.78
640.63	640.88
641.18	641.51
641.83	642.25
642.97	643.65
643.44	644.10
643.96	644.62
645.00	645.66
645.54	646.07
646.13	646.80
646.25	646.88
646.62	647.82
646.95	647.95

No Extra Pavement

Sta. 258+15-20 ft. of 6" V.S.P. required for drive on East side of road

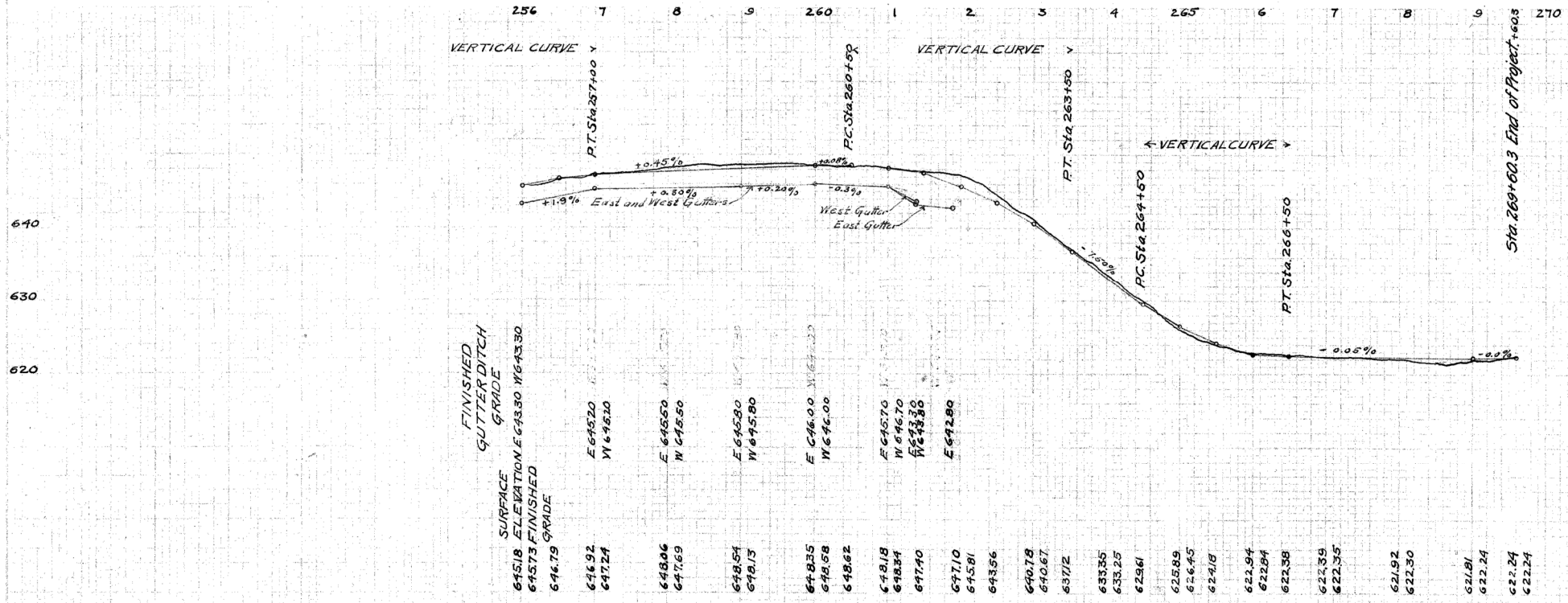
Sta. 261+40. 36 ft. of 12" Cor. I.P. and standard headwalls required. New work. See sheet N°15 and standard drawing N° 300.

Sta. 261+93.4. 80 ft. of 12" Cor. I.P., 1 standard reinforced conc. headwall and 2 standard N° 2 catch-basins required. See sheet N° 15 and standard drawing N° 300 & 305.

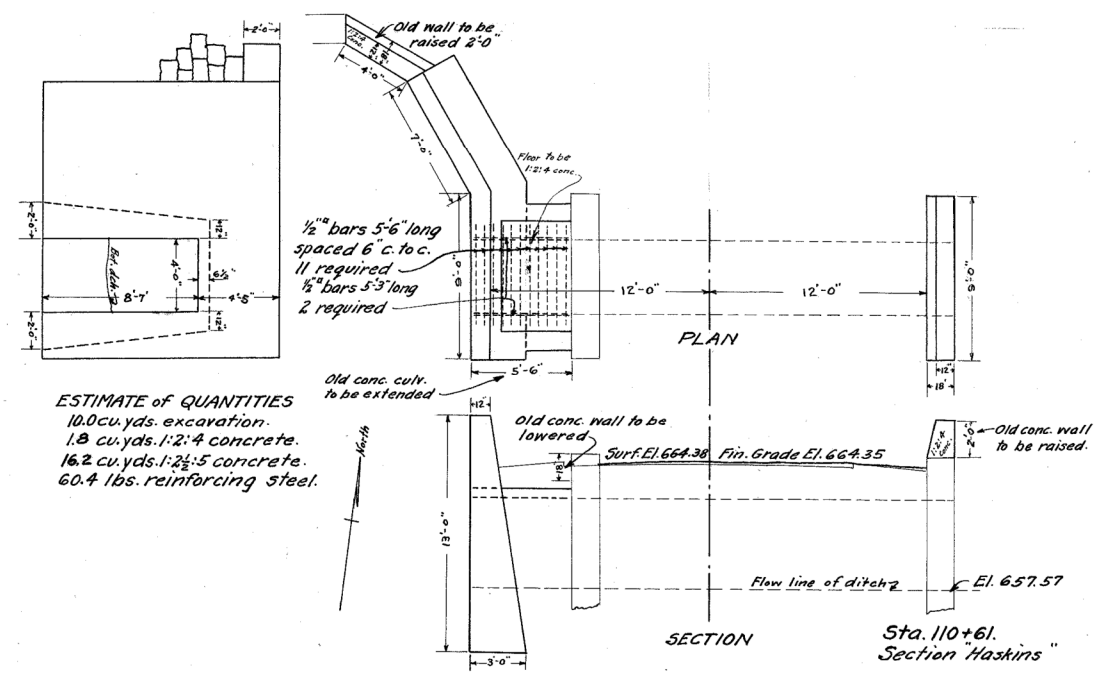


Bit. Mac. approach to be constructed 18' wide & 100' long. 209.5 sq. yds. extra pavement.

BM Sta. 269+60
NW Corner NE Wing E. Bridge
Abutment Maumee River Bridge
Elev. 620.13

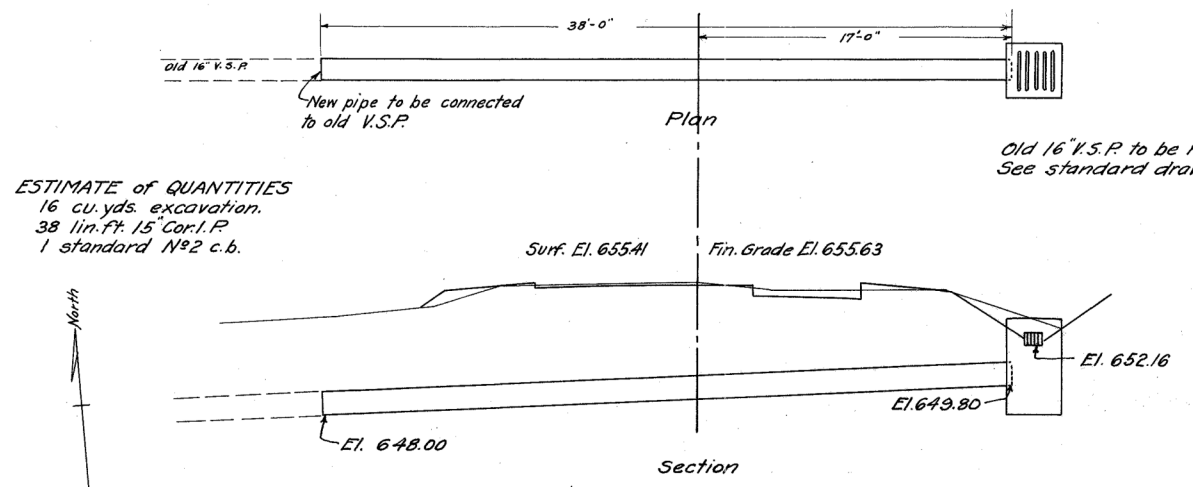


Exc. 1435 Cu yds Emb. + 1579 Cu yds. Borrow & Cu yds.
Exc. 637 Cu yds + 292 Cu yds at Approach 100 feet
in Length North of Sta. 261+93 = 929 Cu yds.
Emb. + 1579 Cu yds. Waste 139 Cu yds.



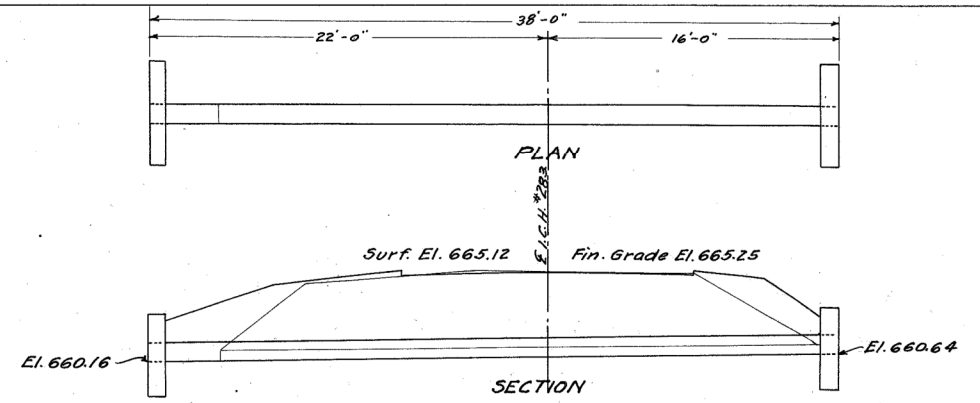
ESTIMATE of QUANTITIES
10.0 cu. yds. excavation.
1.8 cu. yds. 1:2:4 concrete.
16.2 cu. yds. 1:2 1/2:5 concrete.
60.4 lbs. reinforcing steel.

Sta. 110+61.
Section "Haskins"



ESTIMATE of QUANTITIES
16 cu. yds. excavation.
38 lin. ft. 15" Cor. I.P.
1 standard N°2 c.b.

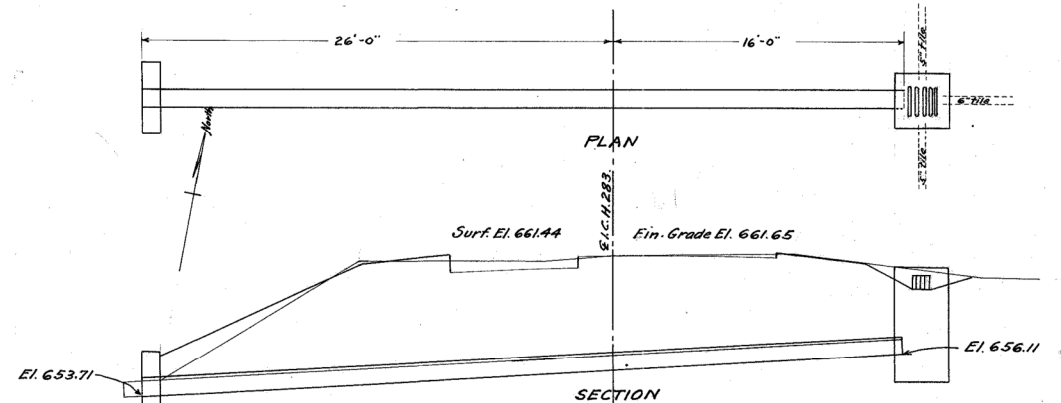
Sta. 220+64
Sec. A.



ESTIMATE of QUANTITIES
9.0 cu. yds. excavation.
38.0 lin. ft. of 12" Cor. I.P.
1.3 cu. yds. 1:2:4 concrete.
30 lbs. reinforcing steel.

33 lin. ft. of 6" casing now in place to be removed.
38 lin. ft. of 12" Cor. I.P. and 2 standard reinforced concrete headwalls required. See standard drawing #300.

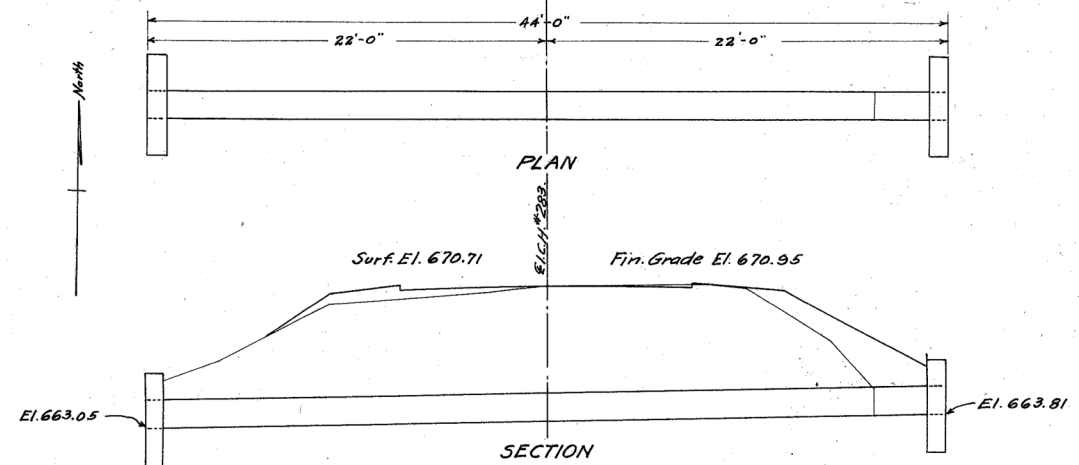
Sta. 96+36. Section "Haskins"



ESTIMATE of QUANTITIES
12.0 cu. yds. excavation.
42.0 lin. ft. of 12" Cor. I.P.
1.3 cu. yds. 1:2:4 concrete.
30 lbs. reinforcing steel.
1 standard N°2 catch-basin.

42 ft. of 10" V.S.P. and brick c.b. now in place to be removed. 42 lin. ft. of 12" Cor. I.P., 1 standard N°2 c.b. and 1 standard reinforced concrete headwall required. See standard drawings N°300 & 305.

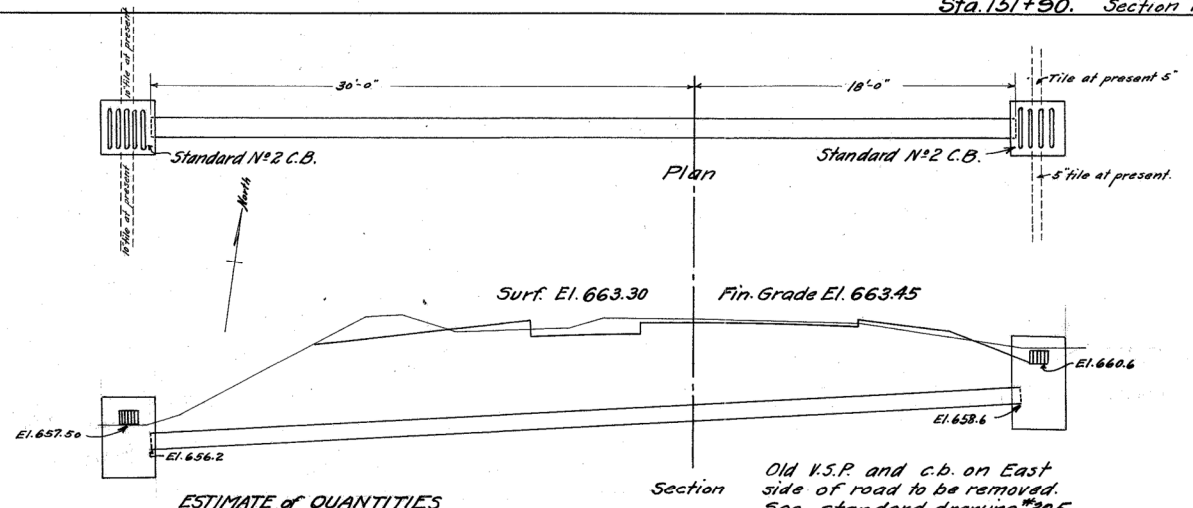
Sta. 151+90. Section "Haskins"



ESTIMATE of QUANTITIES
15.0 cu. yds. excavation.
1.9 cu. yds. 1:2:4 concrete.
44.0 lin. ft. of 18" Cor. I.P.
40.0 lbs. reinforcing steel.

40.0 lin. ft. of 18" V.S.P. now in place to be removed.
44.0 lin. ft. of 18" Cor. I.P. and 2 standard reinforced concrete headwalls required. See standard drawing #300.

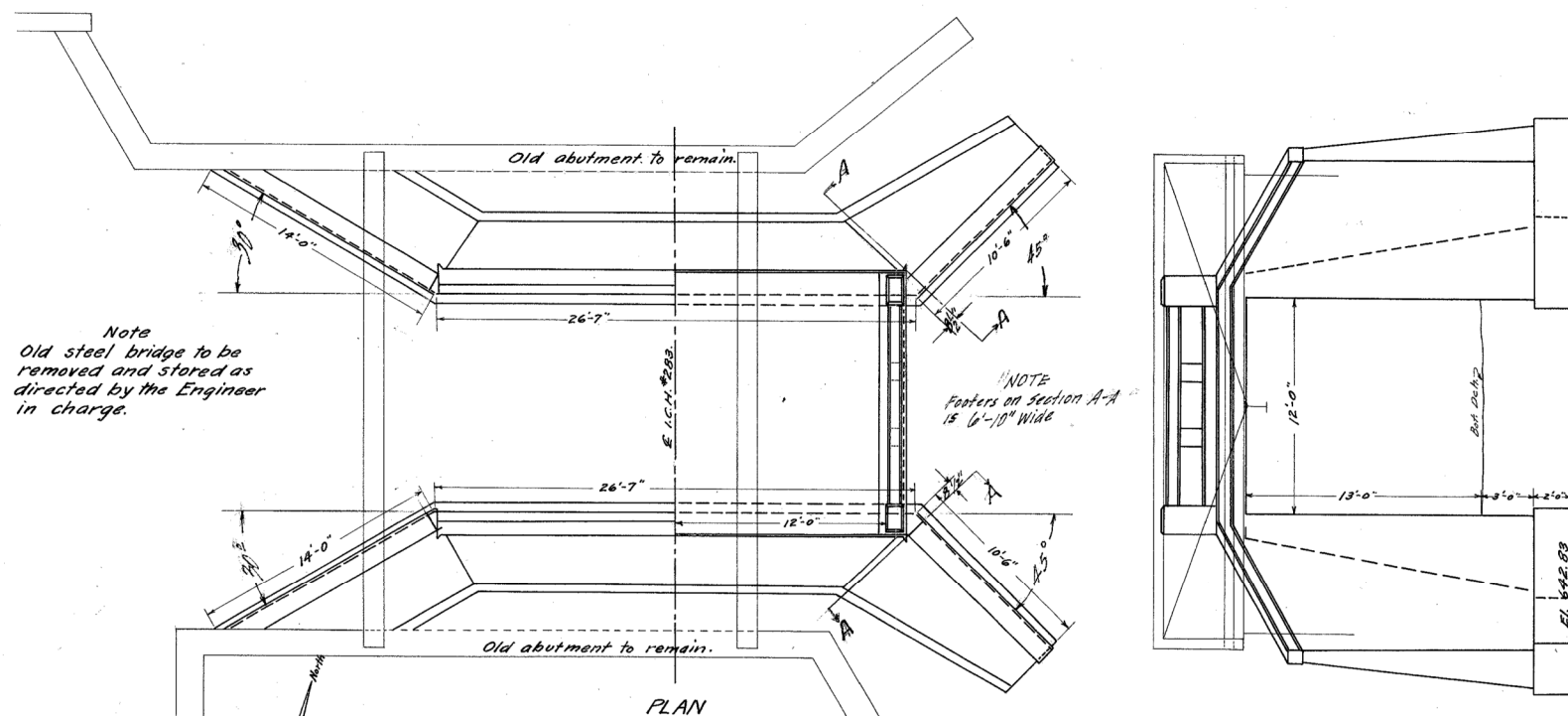
Sta. 26+77.
Section "B"



ESTIMATE of QUANTITIES
15 cu. yds. excavation.
2 Standard N°2 catch-basins.
48 lin. ft. of 12" Cor. I.P.

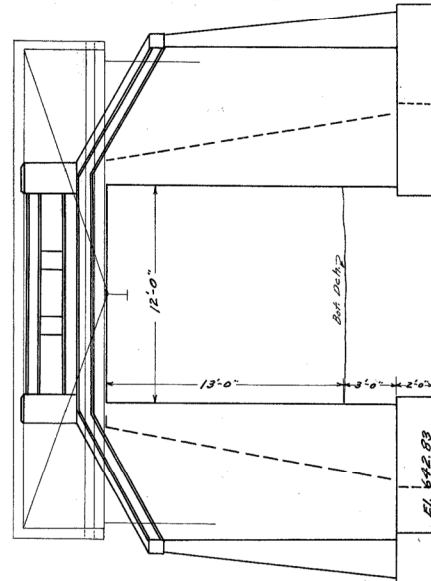
Old V.S.P. and c.b. on East side of road to be removed. See standard drawing #305.

Sta. 119+80.
Section "Haskins"

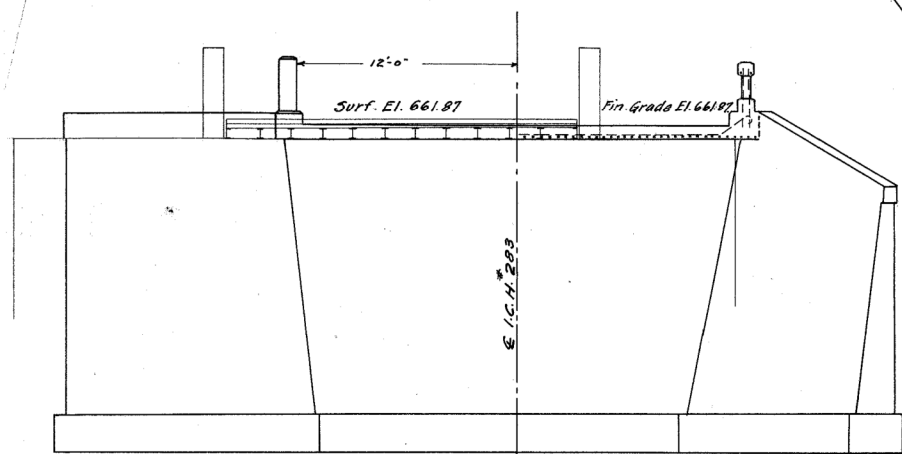


Note
Old steel bridge to be removed and stored as directed by the Engineer in charge.

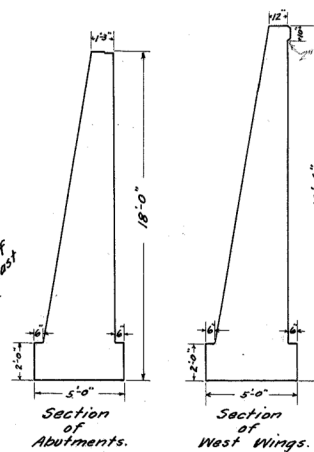
NOTE
Feathers on Section A-A
15' 6-10" Wide



East ELEVATION



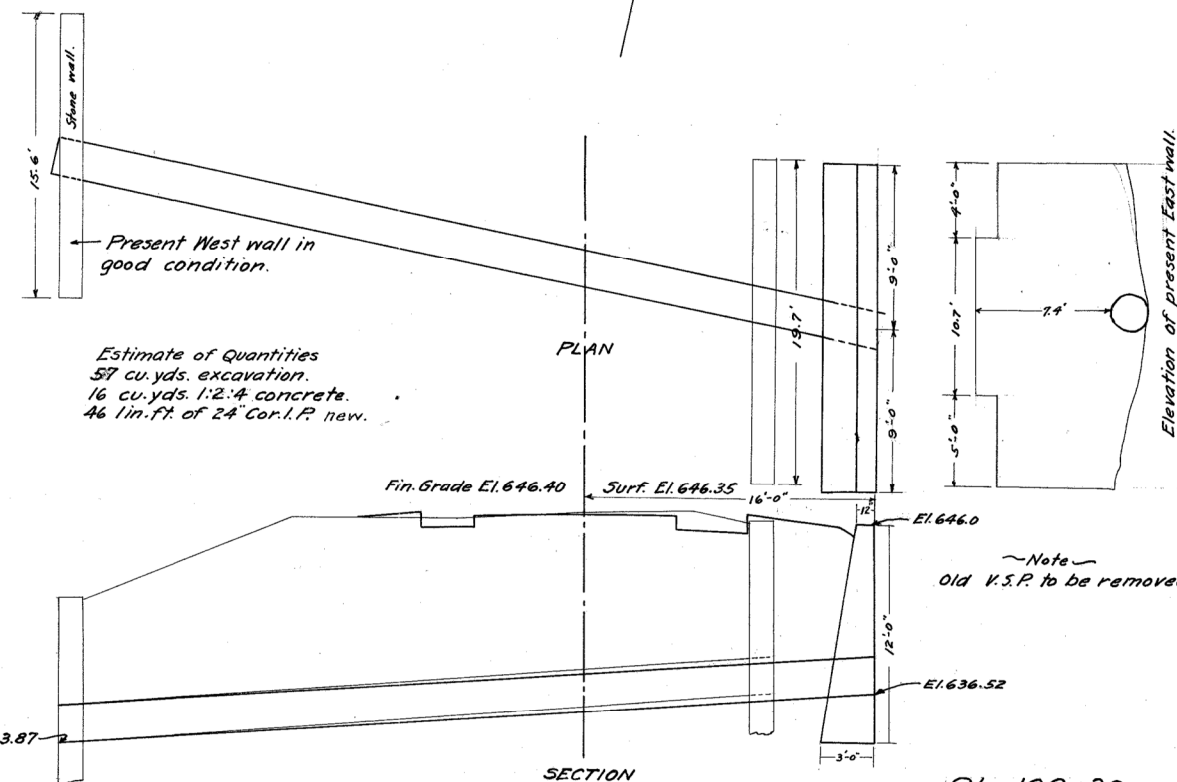
South Elevation and half section of floor and railing.



Sta. 165+52.
Section 'Haskins'

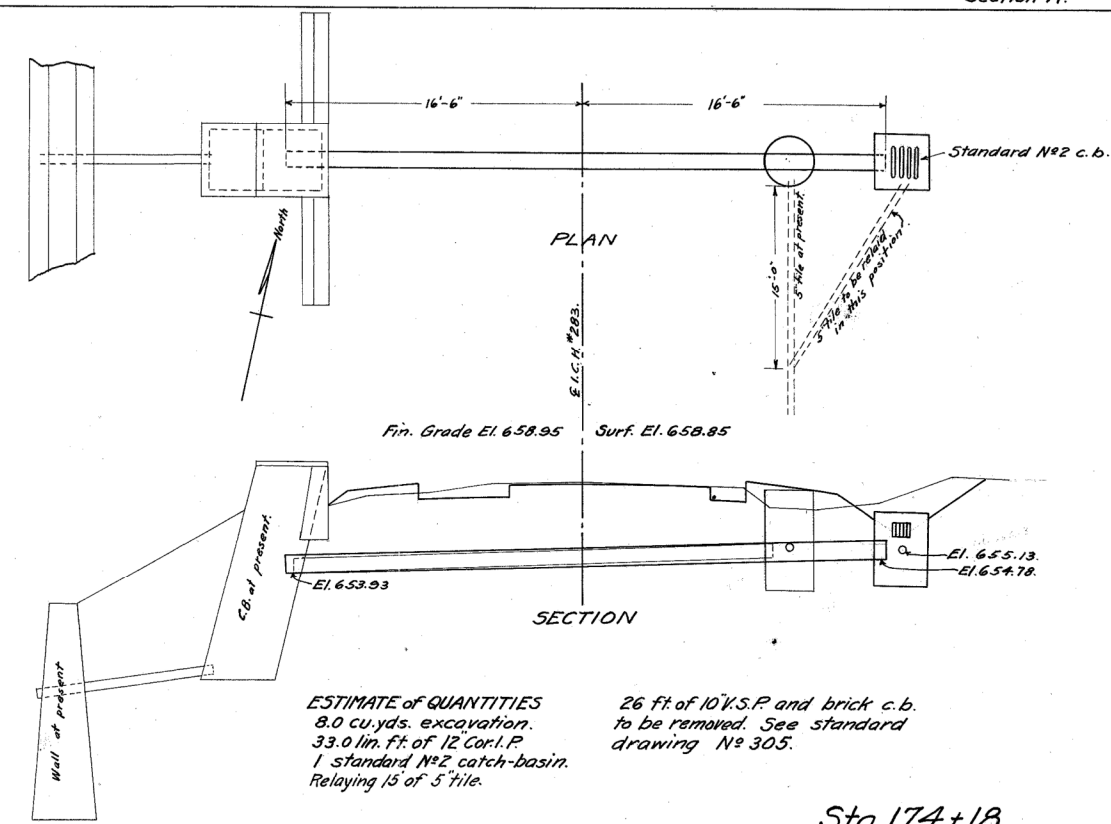
Estimate of Quantities
70.0 cu. yds. excavation.
1433 lbs. reinforcing steel.
28.0 lin. ft. type G guard rail.
12.13 cu. yds. 1-2-4 concrete.
139.0 cu. yds. 1-2-5 concrete.
33.0 cu. yds. 1-3-5 concrete.

Floor and railings to be Standard for a 12 foot span. See standard drawing No 302.
Feathers - 1-3-6 Concrete.
Stem of abutments 1-2 1/2-5 Concrete.



Estimate of Quantities
57 cu. yds. excavation.
16 cu. yds. 1-2-4 concrete.
46 lin. ft. of 24" Cor. I.P. new.

Sta. 190+38.
Section 'A'

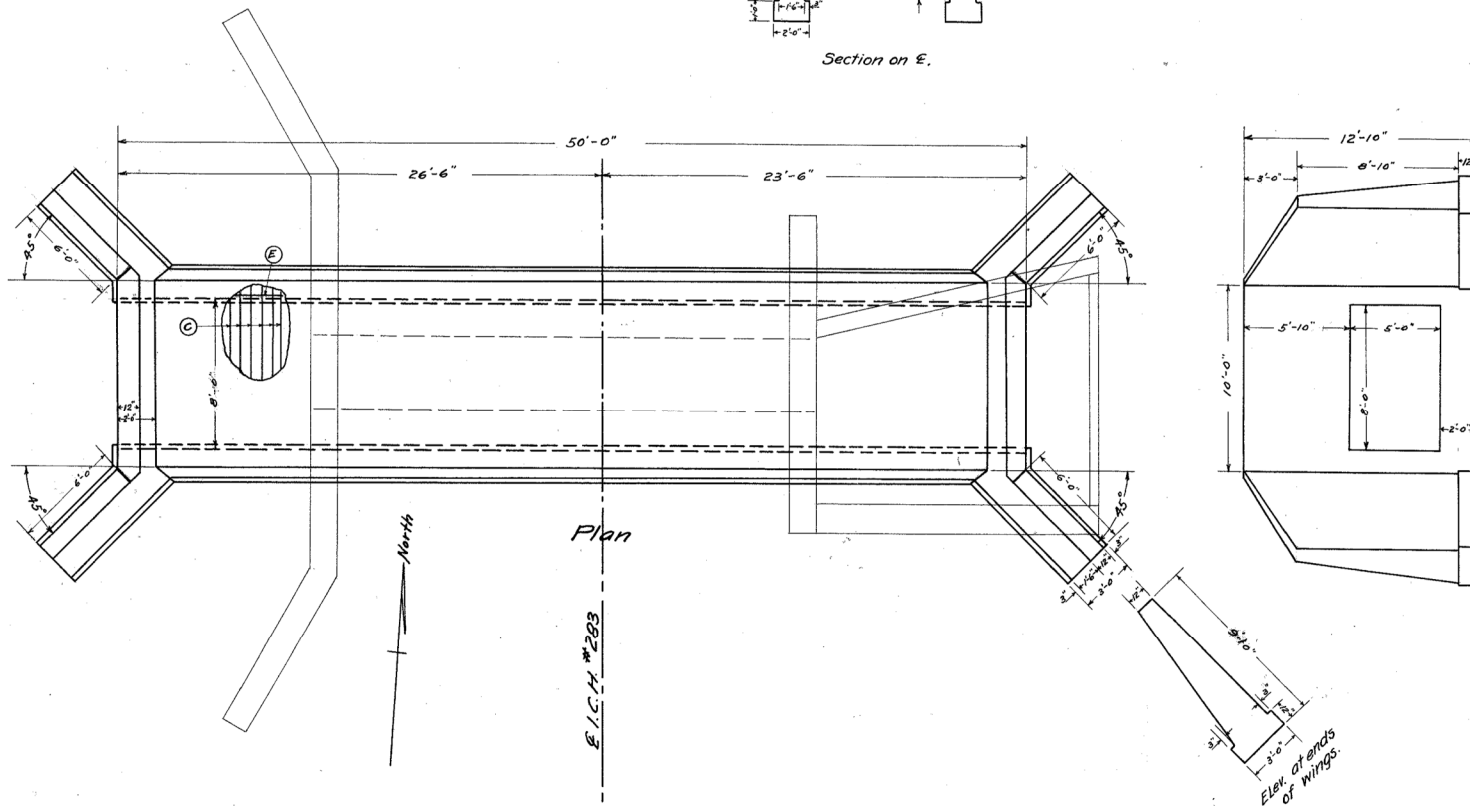
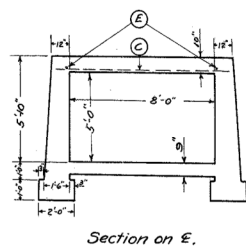


ESTIMATE OF QUANTITIES
8.0 cu. yds. excavation.
33.0 lin. ft. of 12" Cor. I.P.
1 standard No 2 catch-basin.
Relaying 15 of 5" tile.

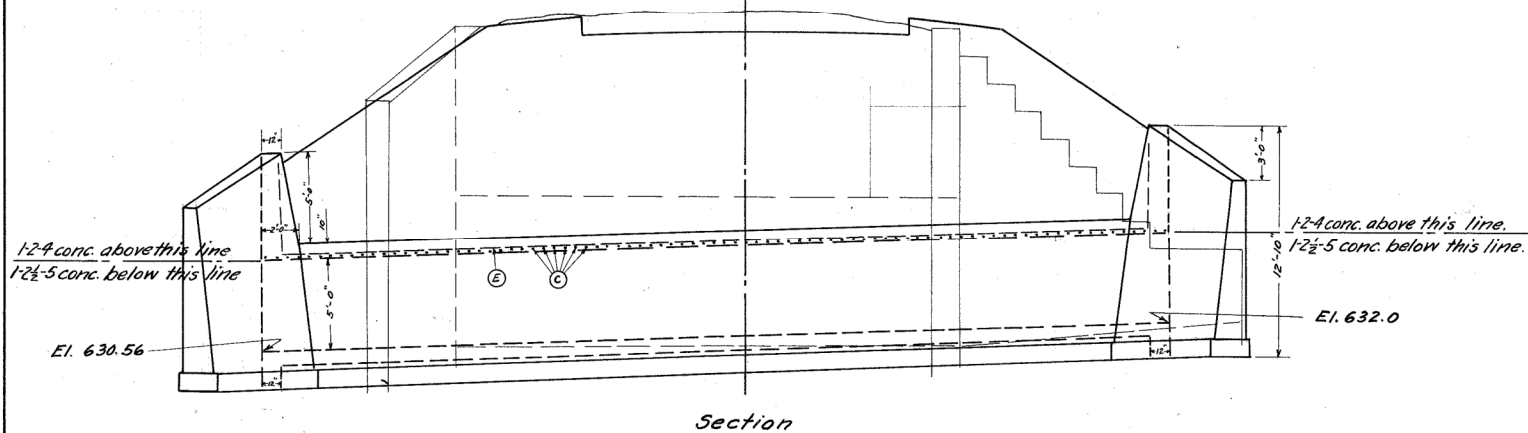
26 ft. of 10" V.S.P. and brick c. b. to be removed. See standard drawing No 305.

Sta. 174+18.
Section 'A'

Bar Schedule
E bars $\frac{3}{8}$ " bars 58" long 2 required.
C bars $\frac{3}{8}$ " bars 9'-6" long spaced
7' c. to c. 86 required.



Surf. Elev. 648.92 Fin. Grade Elev. 648.90

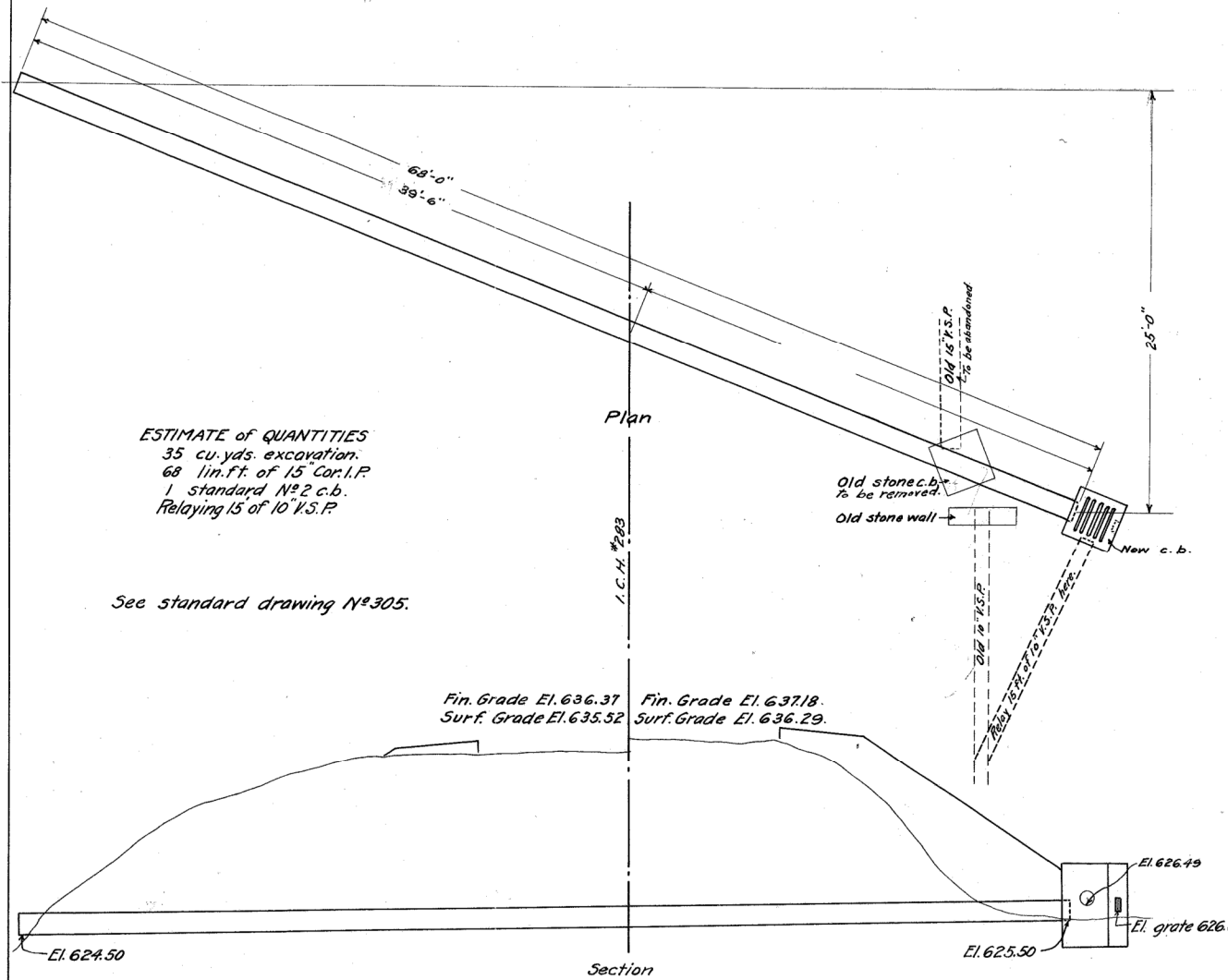


ESTIMATE of QUANTITIES
375 cu. yds. excavation.
269 cu. yds. 1-2-4 concrete.
61.8 cu. yds. 1-2-5 concrete.
1184 lbs. reinforcing steel.

Old stone culvert to be replaced
with new reinforced concrete
culvert.

Sta. 201+87.
Sec. A.

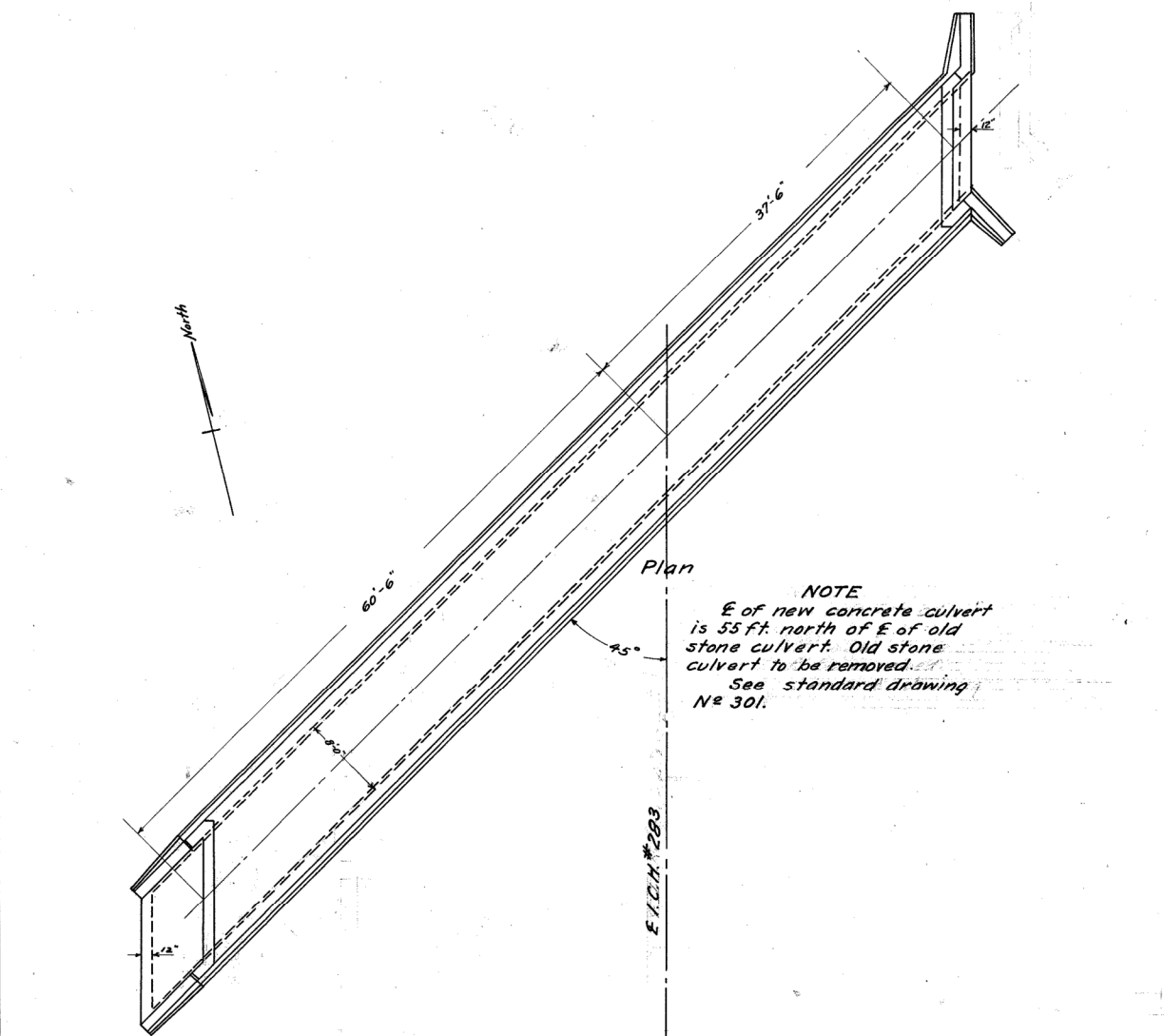
Elevation of Ends



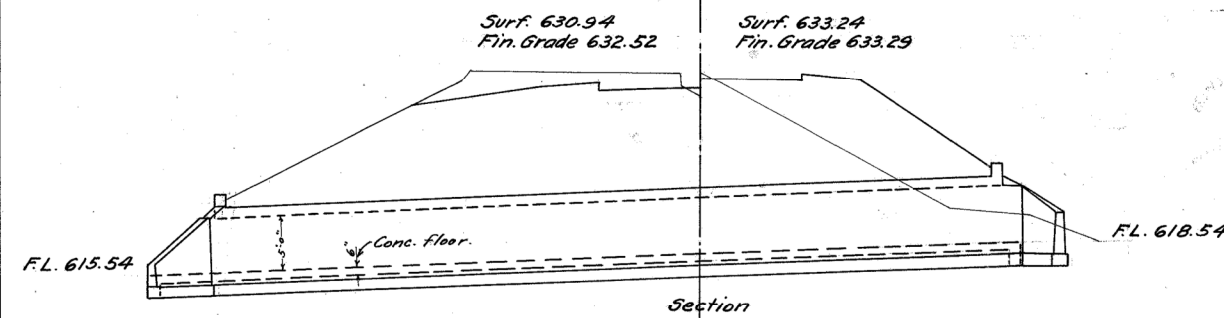
ESTIMATE of QUANTITIES
35 cu. yds. excavation.
68 lin. ft. of 15 Cor. I.P.
1 standard No. 2 c.b.
Relaying 15 of 10 V.S.P.

See standard drawing No. 305.

Sta. 250+44.
Sec. A.

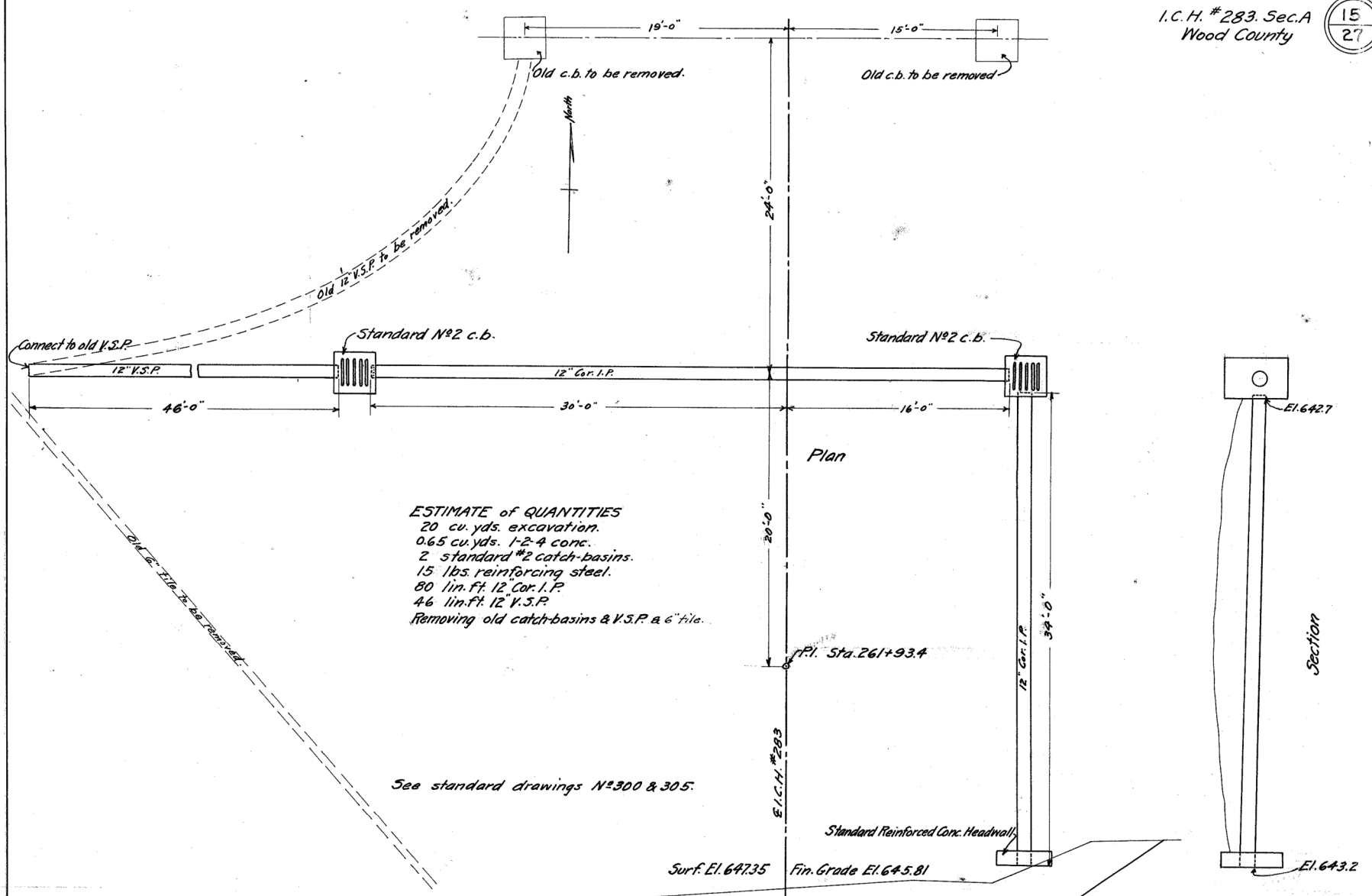


NOTE
E of new concrete culvert is 55 ft north of E of old stone culvert. Old stone culvert to be removed.
See standard drawing No 301.

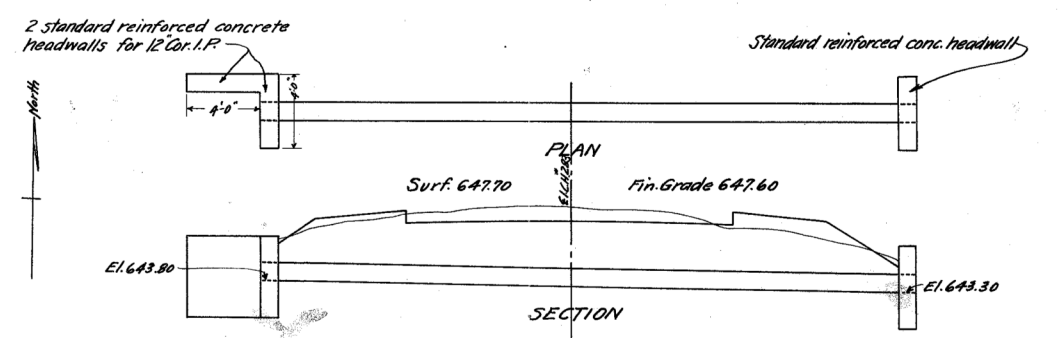
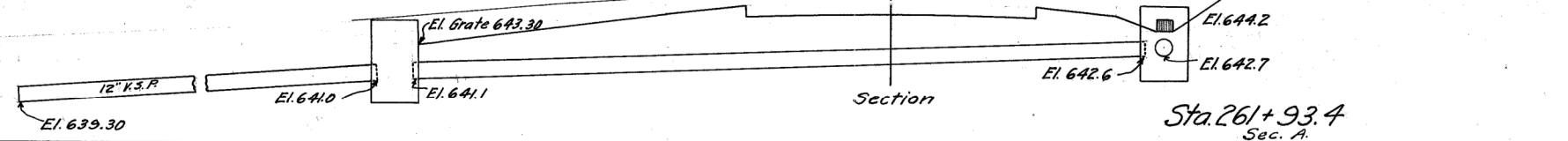


Estimate of Quantities
685 cu. yds. excavation.
10.3 cu. yds. 1-2-5 conc.
30.6 cu. yds. 1-2-4 conc.
2329 lbs. reinforcing steel.
Removing old stone culvert.

Sta. 252+64.
Sec. A.



ESTIMATE OF QUANTITIES
20 cu. yds. excavation.
0.65 cu. yds. 1-2-4 conc.
2 standard No 2 catch-basins.
15 lbs. reinforcing steel.
80 lin. ft. 12 Cor. I.P.
46 lin. ft. 12 V.S.P.
Removing old catch-basins & V.S.P. a 6" tile.



Estimate of Quantities
10 cu. yds. excavation.
36 lin. ft. 12 Cor. I.P.
1.95 cu. yds. 1-2-4 conc.
4.5 lbs. reinforcing steel.

Sta. 261+40.
Sec. A.

SUMMARY of QUANTITIES

Structures all under 20 ft.

Section A.

Station	Type	Size	Length	Excavation Cu. Yds.	Concrete			Reinf. Steel Lbs.	Corrugated Iron Culvert Pipe				Standard C. B. No 2	6" V.S.P. Lin. Ft.	Standard Drawing Number	V. S. P. 12 in. Lin. Ft.	Type "G" Guard rail Lin. Ft.	Miscellaneous	Remarks
					1-2-4 Cu. Yds.	1-2½-5 Cu. Yds.	1-3-6 Cu. Yds.		12" Lin. Ft.	15" Lin. Ft.	24" Lin. Ft.	18" Lin. Ft.							
174+18	Pipe	12"	33'	8.0					33				1	305			Relaying 15 ft. of 5 in. tile.		
190+38	Pipe	24"	46'	57.0	16.0						46								
201+87	Culv.	5' x 8'	50'	375.0	26.9	61.8		1184										Special design.	
220+64	Pipe	15"	38'	16.0									1	305					
250+44	Pipe	15"	68'	35.0									1	305			Relaying 15 ft. of 10 in. V.S.P.		
252+64	Culv.	5' x 8'	98'	685.0	30.6	104.3		2329						301			Removing old stone culvert.		
261+40	Pipe	12"	36'	10.0	1.95			45	36					300					
261+93.4	Pipes	12"	126'	20.0	0.65			15	80				2	300 305	46'		Removing old c.bs. & V.S.P.		
Totals				1206	76.10	166.1	18.0	3573	149	106	46		5		46				

Section B.

26+77	Pipe	18"	44'	15.0	1.9			40						300				
Totals				15.0	1.9			40										

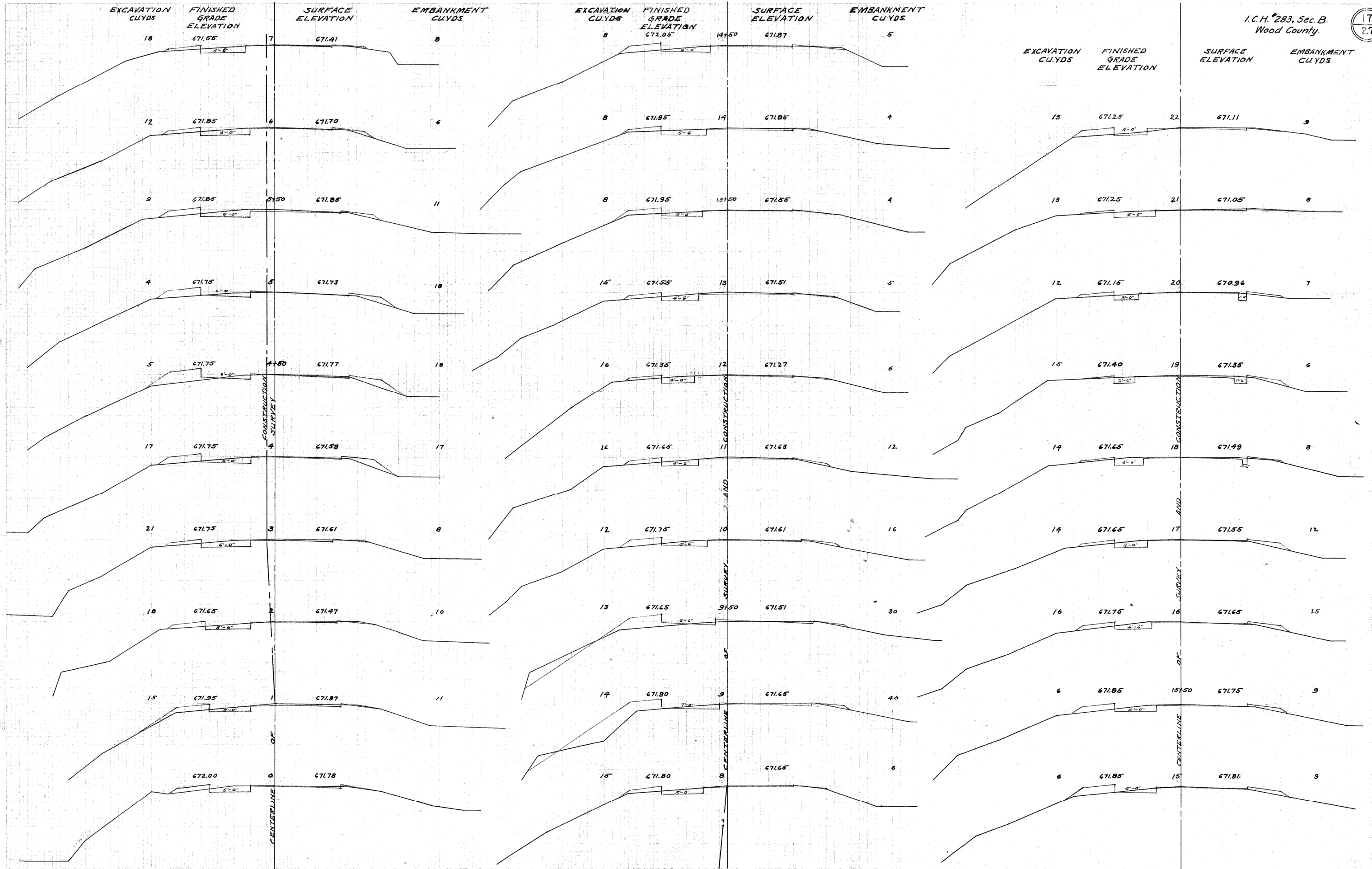
Section Haskins

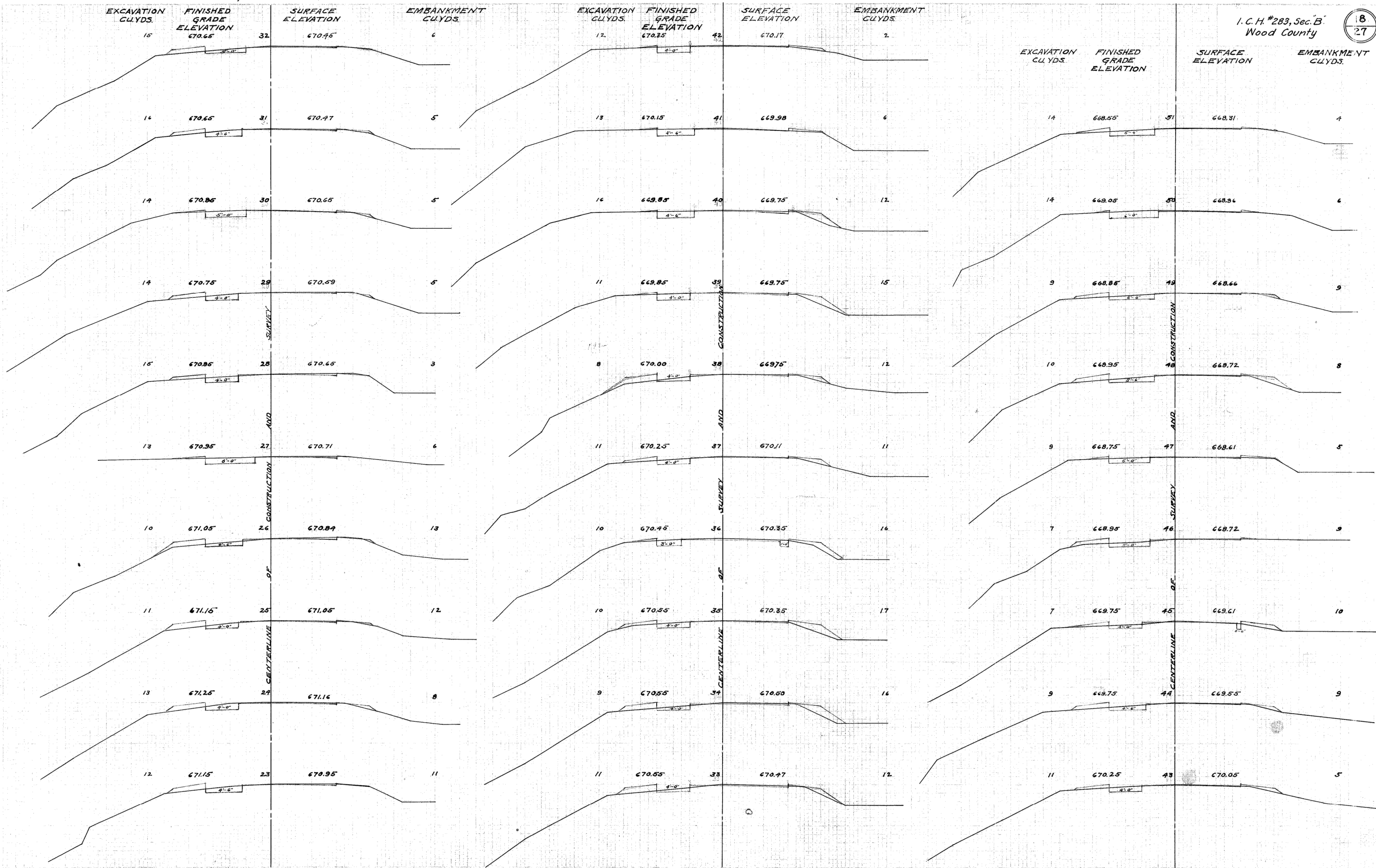
96+36	Pipe	12"	38'	9.0	1.3			30	38					300				
110+61	Culv. Extension	4' x 5'	26'	10.0	1.8	16.2		60.4										Extension of old conc. culv.
119+80	Pipe	12"	48'	15.0					48				2	305				
151+90	Pipe	12"	42'	12.0	1.3			30	42					300 305				
165+52	Culv.	12' x 13'	24' rdwy.	70.0	12.13	139.0	33.0	1433						302		28		Special abutments.
Totals				116	16.53	155.2	33.0	1553.4	128				2			28		
Grand Totals				133.7	34.53	321.3	33.0	5166.4	277	106	46	44	7		46	28		

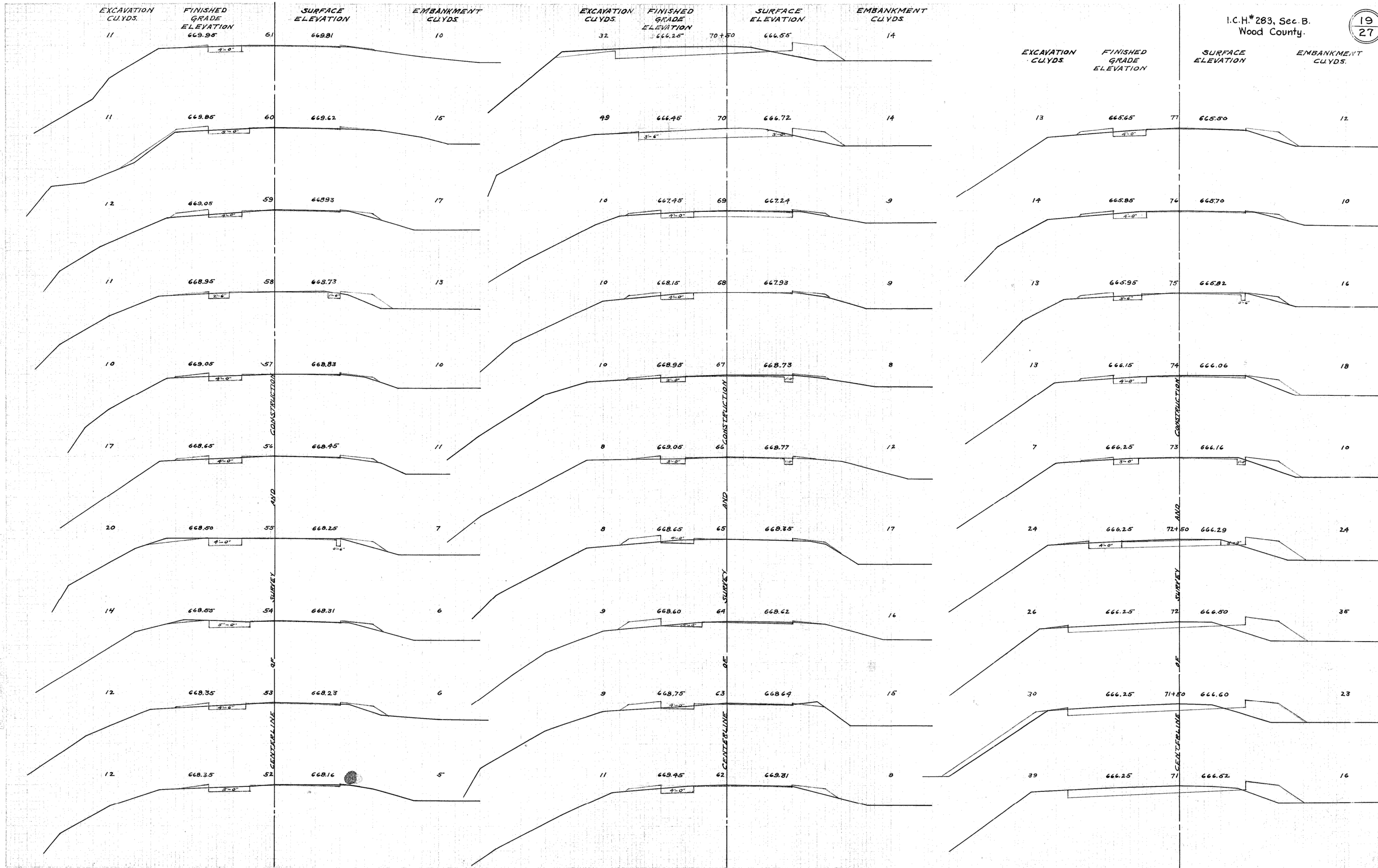
Structures for private drives etc. Sec. A.

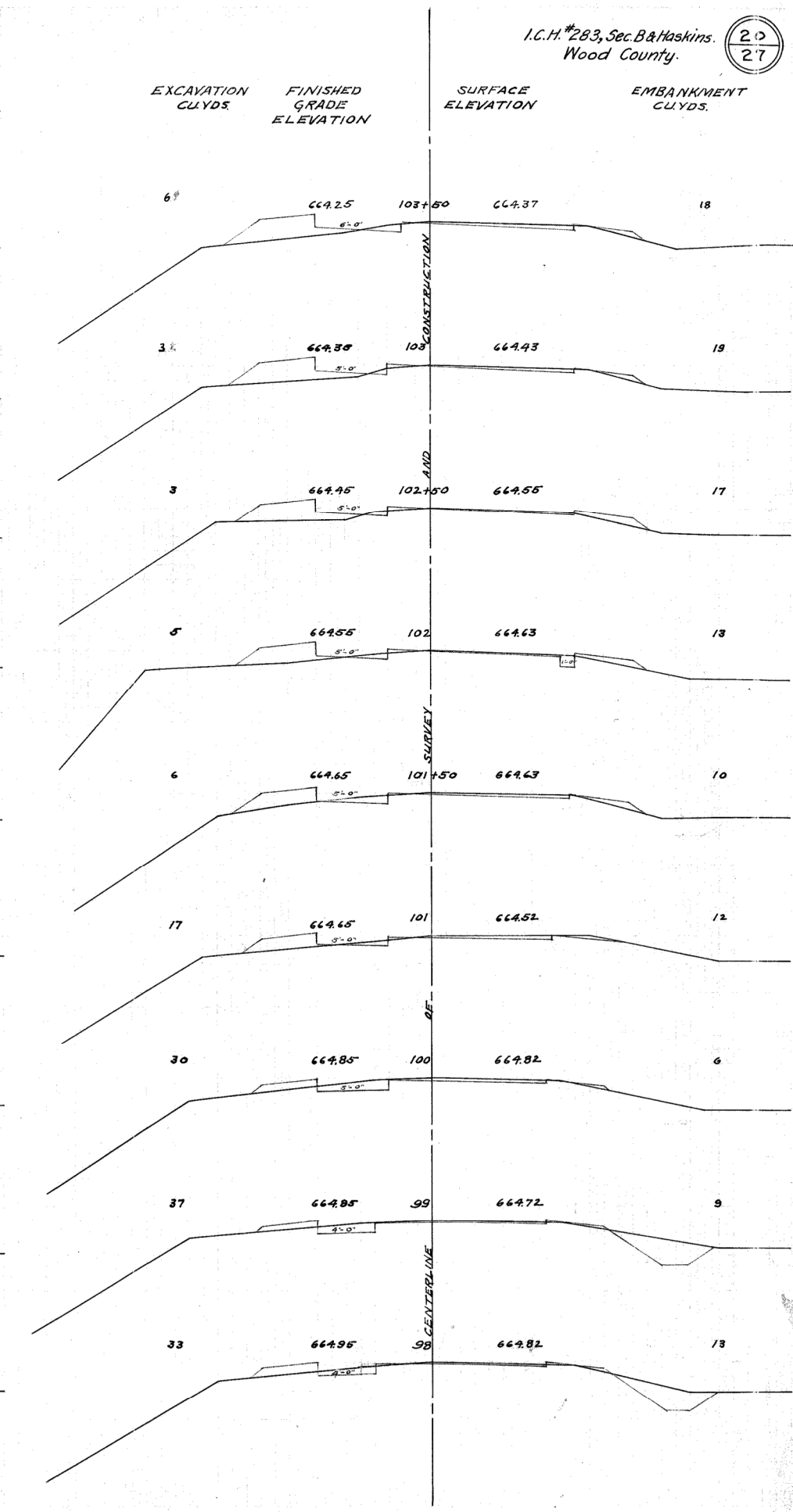
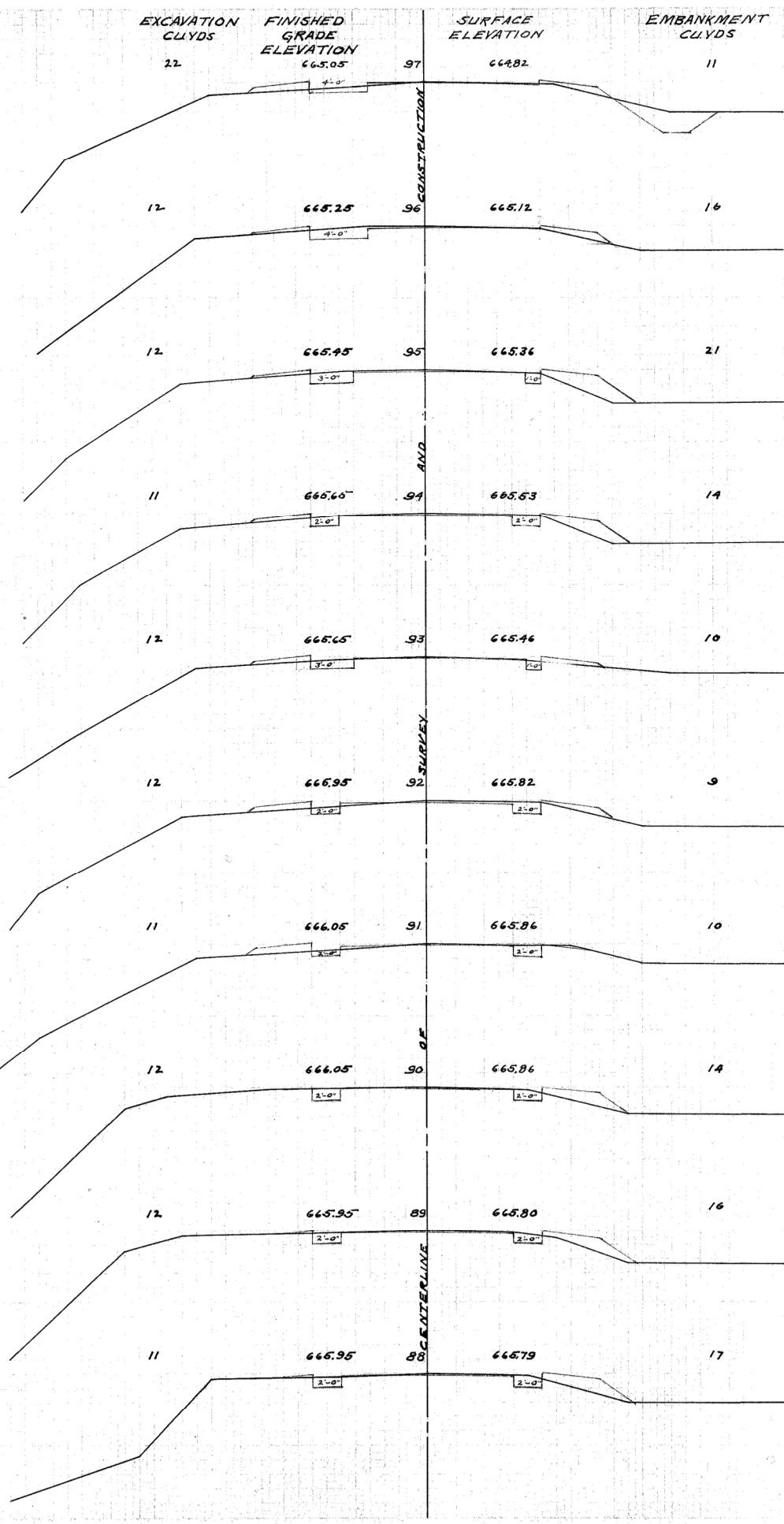
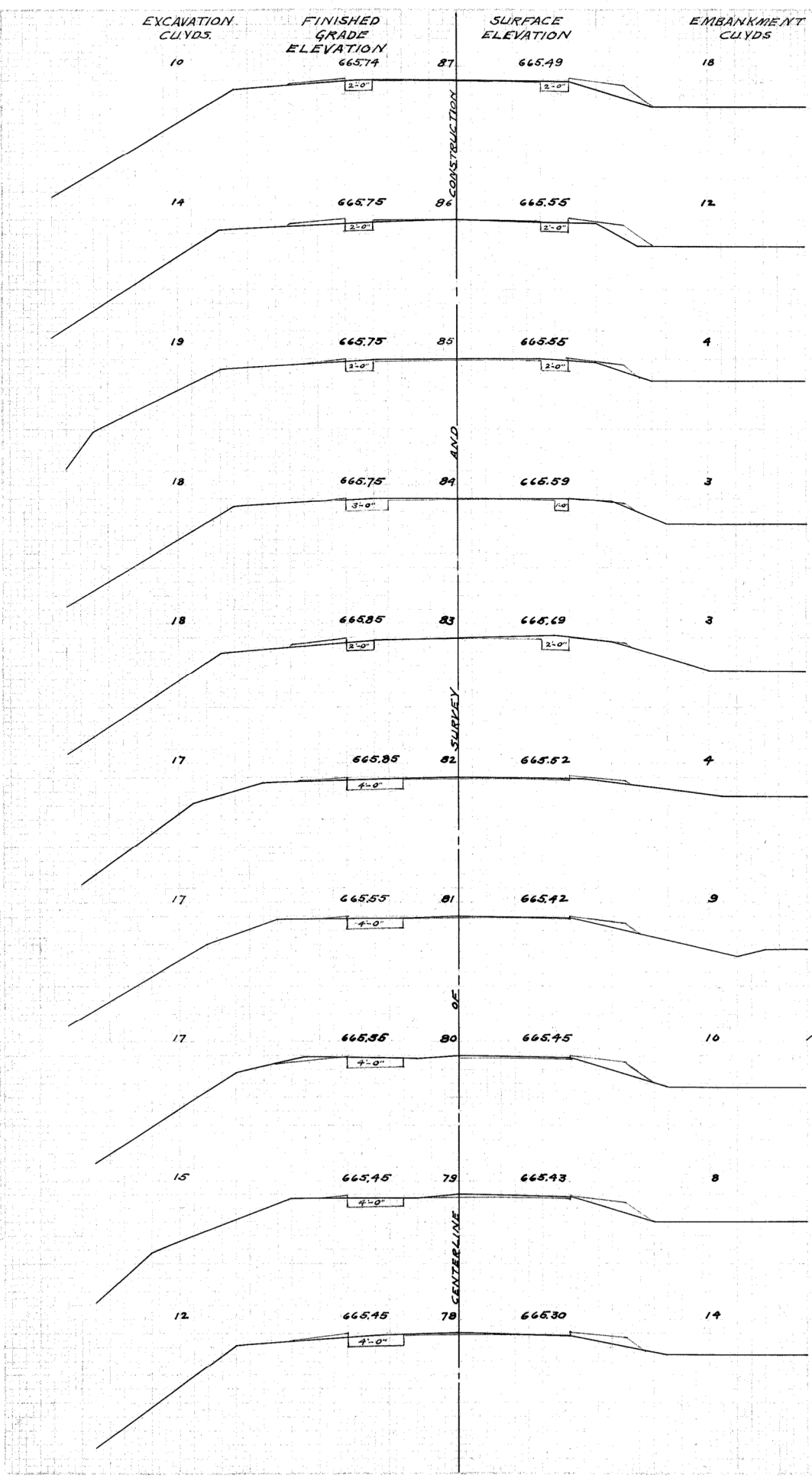
181+76	V.S.P.	6"	20'											20				
190+44 to 192+00	V.S.P.	6"	156'		1.3			30						156				Joints to be cemented.
192+18	V.S.P.	6"	20'											20				
213+20	Casing	6"	24'															24' of 6" casing relaid.
247+00	V.S.P.	6"	20'											20				
258+15	V.S.P.	6"	20'											20				
Totals					1.3			30						236				

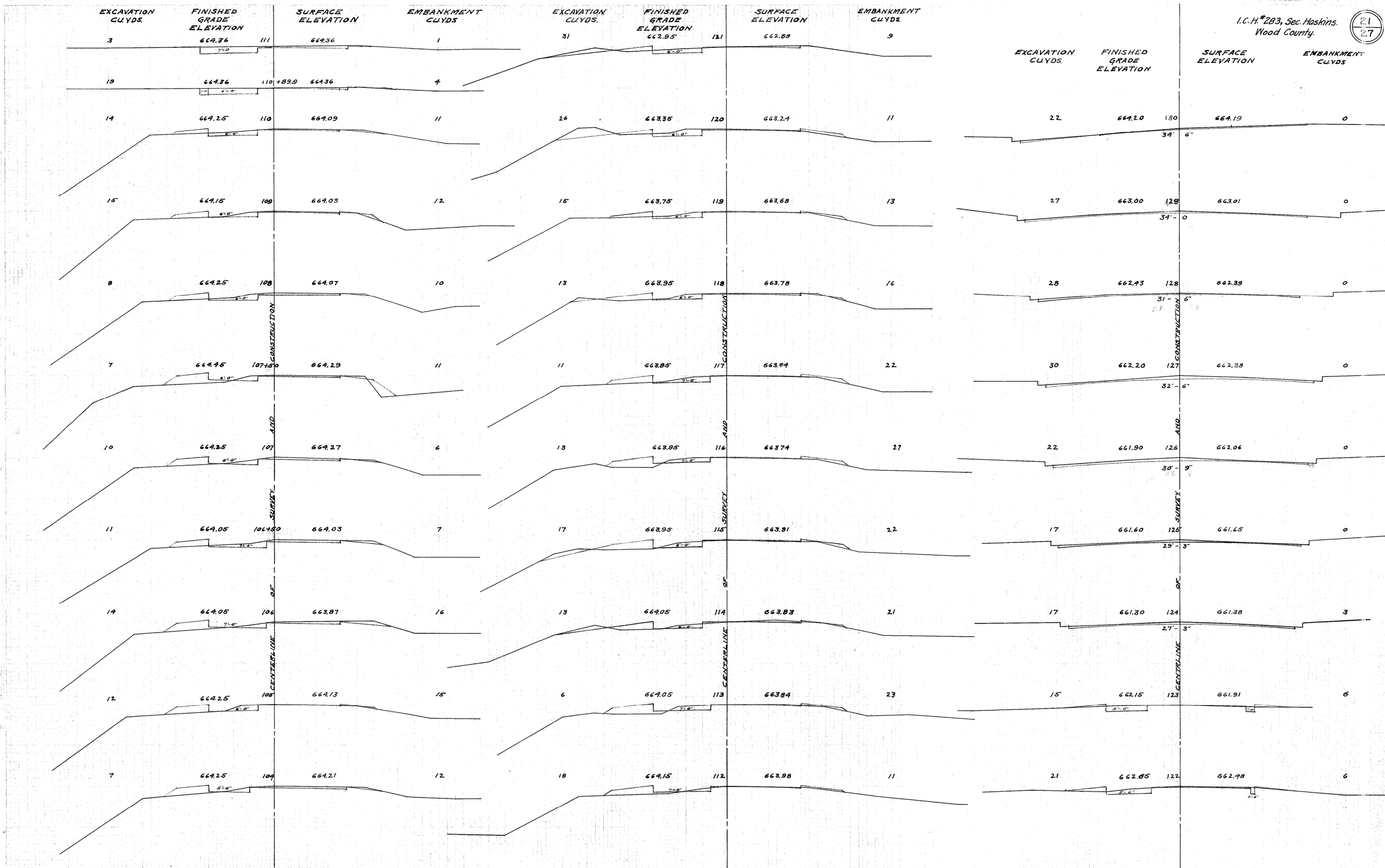
Excavation 7465 cu. yds.
Pavement:
Reinforced conc. 4942 sq. yds.
Bit. Macadam 50251 sq. yds.
Base widening 1314.5 sq. yds.
New mac. base 2057 sq. yds.
Scarifying etc. 26938 sq. yds.
Guard rail 2087 lin. ft.





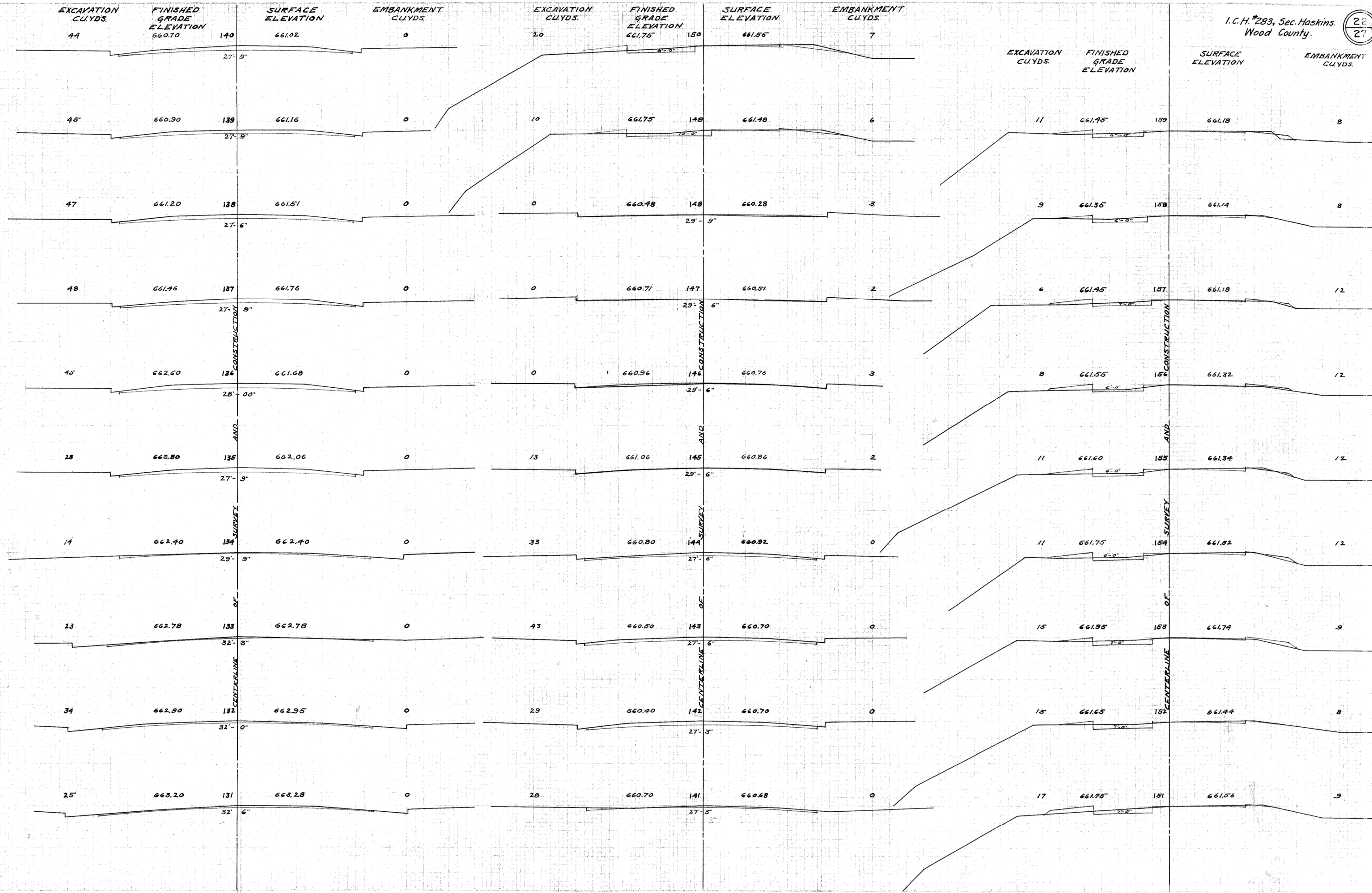






FILE NO. 100-1000
 DATE 10-1-1910
 DRAWN BY J. H. HASKINS
 CHECKED BY J. H. HASKINS

SURVEYED BY J. H. HASKINS
 PLAN NO. 100-1000
 DATE 10-1-1910

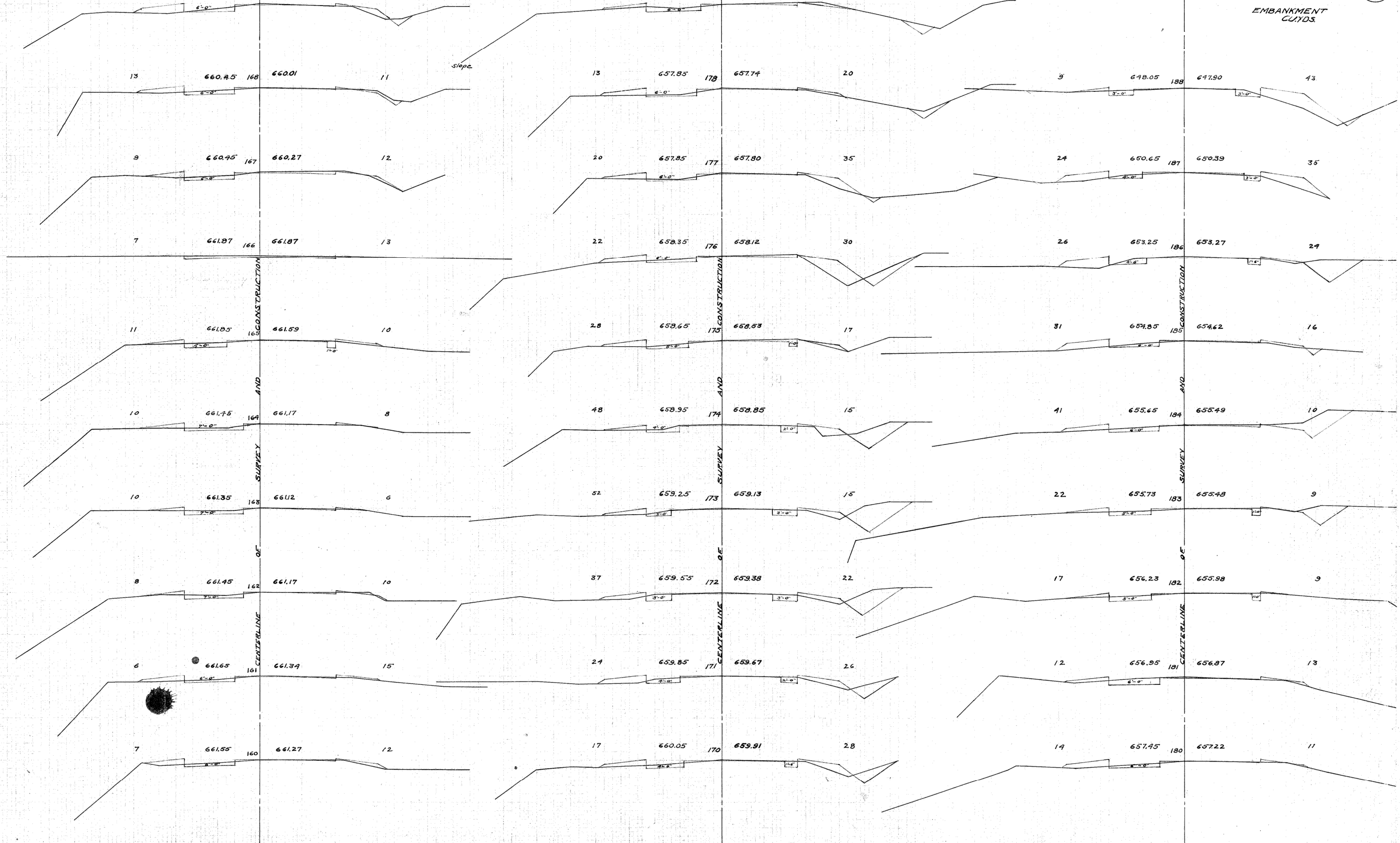


I.C.H. 283, Sec. A & B
Wood County.
EMBANKMENT
CU.YDS.

EXCAVATION
CU.YDS. 9
FINISHED
GRADE
ELEVATION 660.25
SURFACE
ELEVATION 660.13
EMBANKMENT
CU.YDS. 22

EXCAVATION
CU.YDS. 18
FINISHED
GRADE
ELEVATION 657.73
SURFACE
ELEVATION 657.48
EMBANKMENT
CU.YDS. 11

EXCAVATION
CU.YDS. 9
FINISHED
GRADE
ELEVATION 648.05
SURFACE
ELEVATION 647.90
EMBANKMENT
CU.YDS. 43



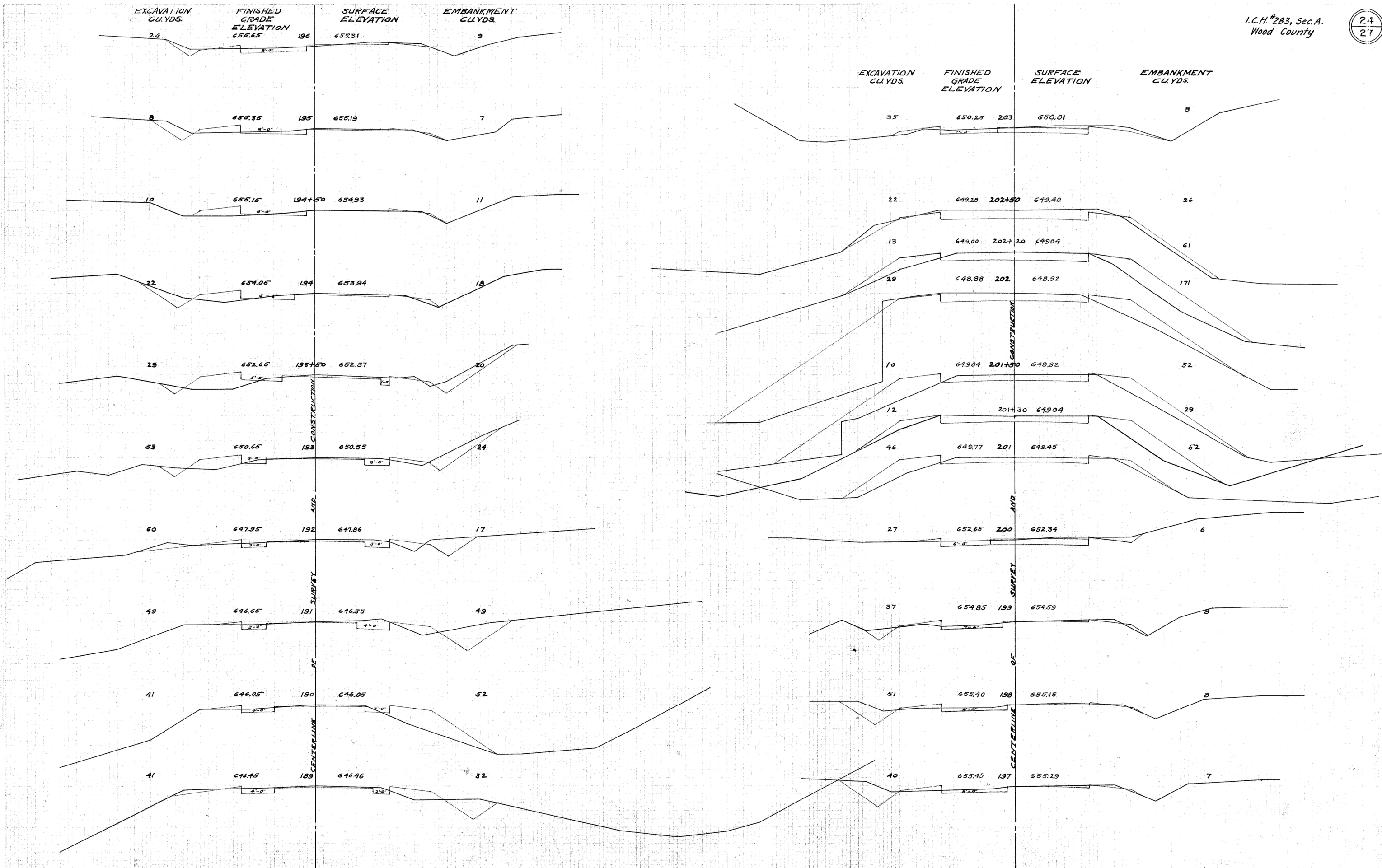
CONSTRUCTION AND SURVEY OF CENTERLINE

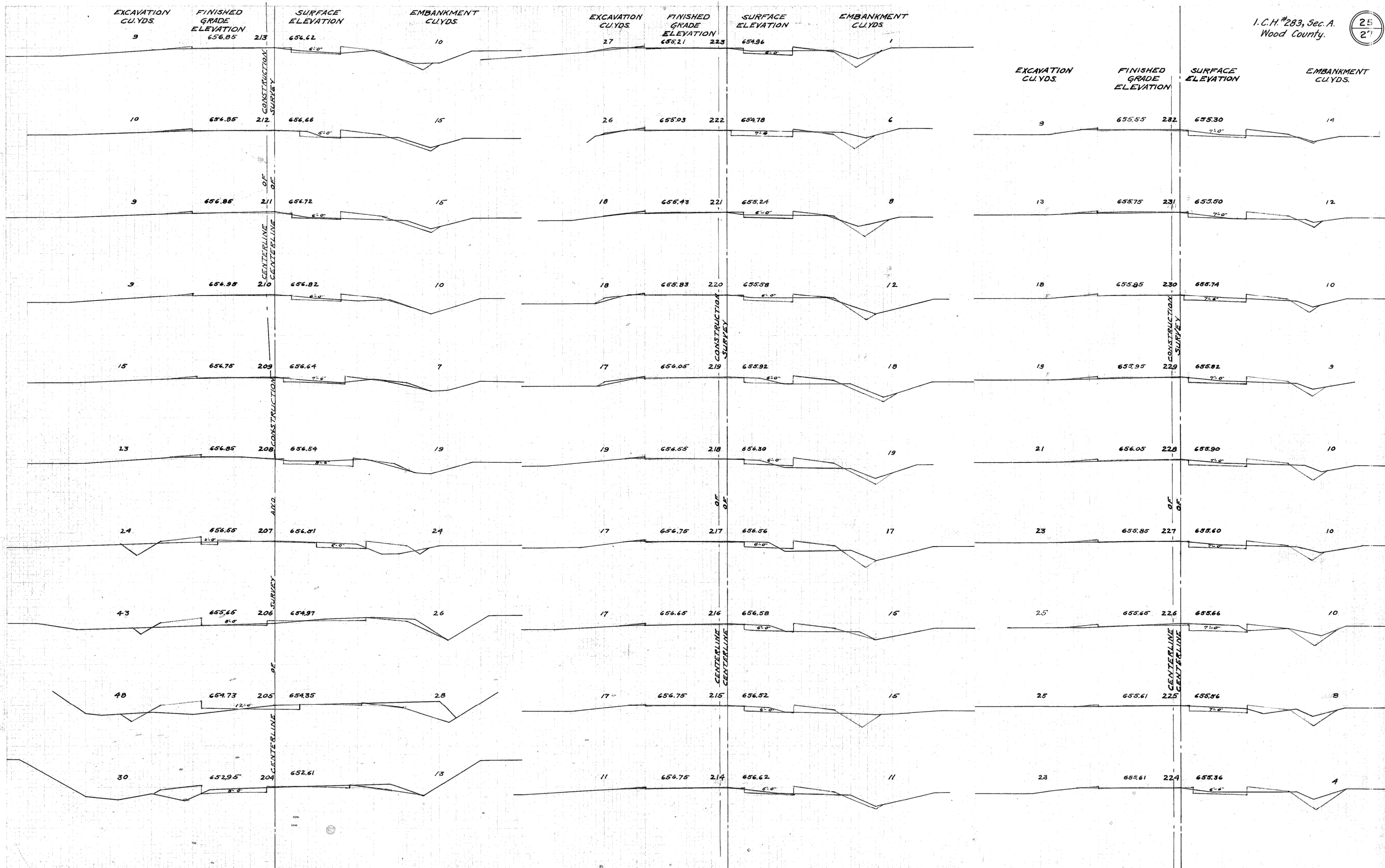
CONSTRUCTION AND SURVEY OF CENTERLINE

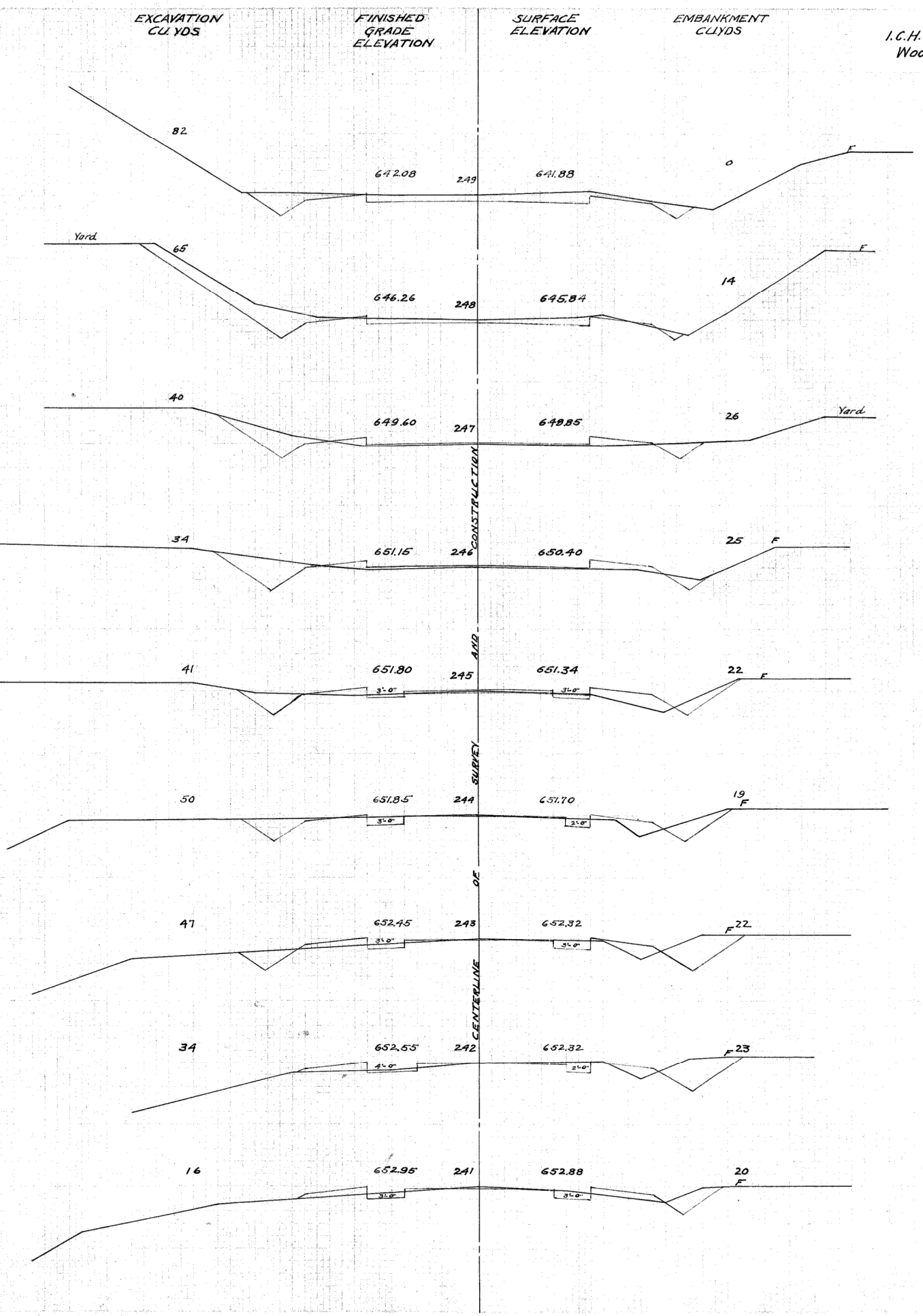
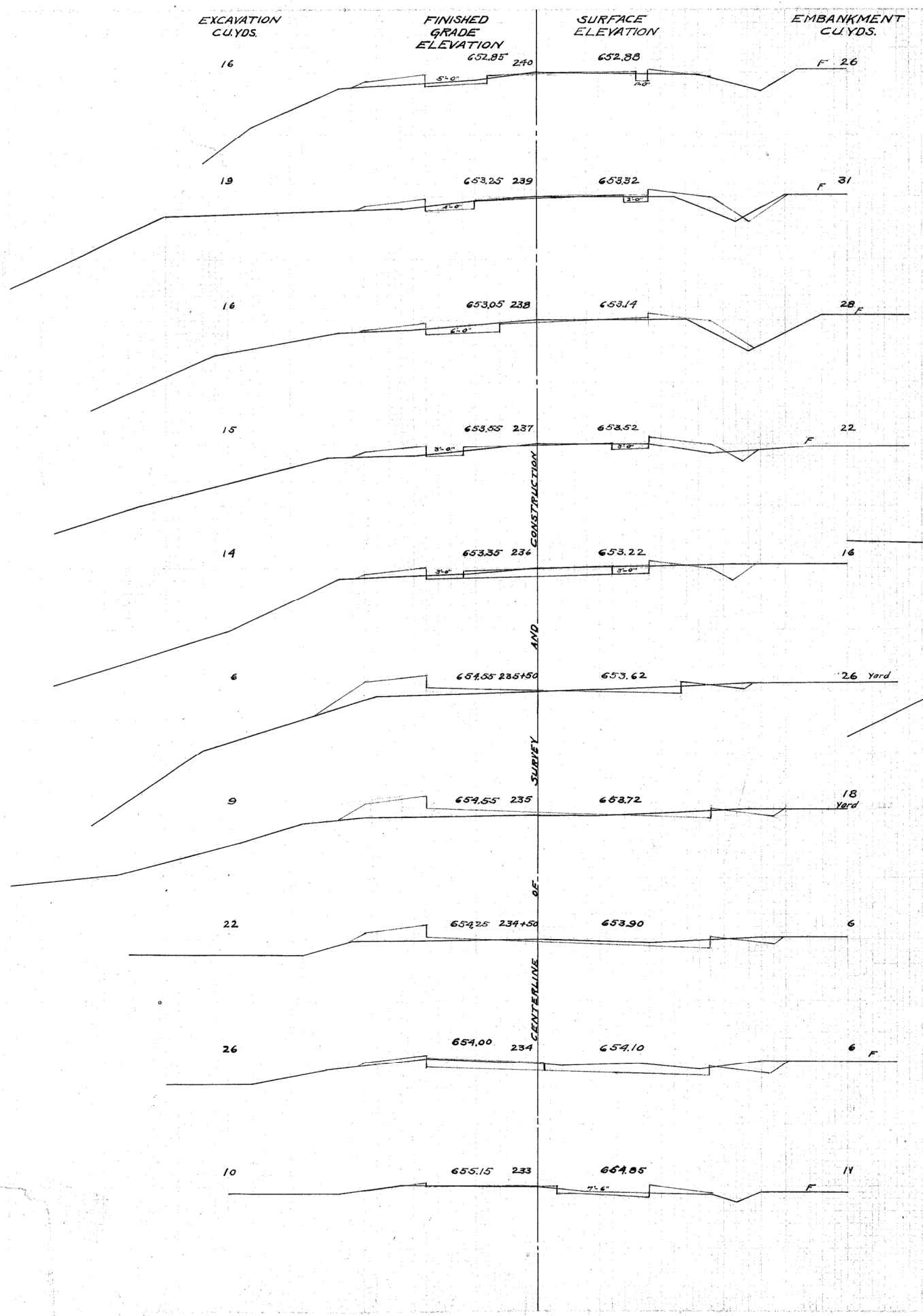
CONSTRUCTION AND SURVEY OF CENTERLINE

slope

PLAN
SURVEY
DATE
BY







CONSTRUCTION AND SURVEY CENTERLINE OF

CONSTRUCTION AND SURVEY CENTERLINE OF

EXCAVATION CU.YDS.	FINISHED GRADE ELEVATION	SURFACE ELEVATION	EMBANKMENT CU.YDS.
103	647.74	257	644.92

EXCAVATION CU.YDS.	FINISHED GRADE ELEVATION	SURFACE ELEVATION	EMBANKMENT CU.YDS.
22	622.24	269	622.24

I.C.H.#283, Sec. A.
Wood County.

27
27

