

PLAN AND PROFILE  
OF THE  
BAY SHORE ROAD NO.135  
OTTAWA COUNTY  
MAY 1933

The Standard Specifications of the State of Ohio, Department of Highways in force on date of Contract will govern this project. Excepting: Amending Section M-33 of Material Details to read, "percent of wear (modified abrasion test) not over 43% and that material under Sec. M-33 of the material details as amended will be permitted in lieu of material specified under Section M-31 of Material Details.

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

The necessary right of way has been provided.

Approved Paul E. Fitterman  
Date 7/5/34 County Surveyor.  
Approved Virgil A. Fyfe Registration No. 620  
Date 7/6/34 Resident District Deputy Director.

Approved Richard Orth  
Date 7/6/34 Resident Division Deputy Director.

Approved \_\_\_\_\_  
Date \_\_\_\_\_ Chief Engineer, Bureau of Maintenance.

Approved \_\_\_\_\_  
Date \_\_\_\_\_ Chief Engineer, Bureau of Bridges.

Approved Elmer Hilty  
Date 7-9-34 Chief Engineer, Bureau of Construction.

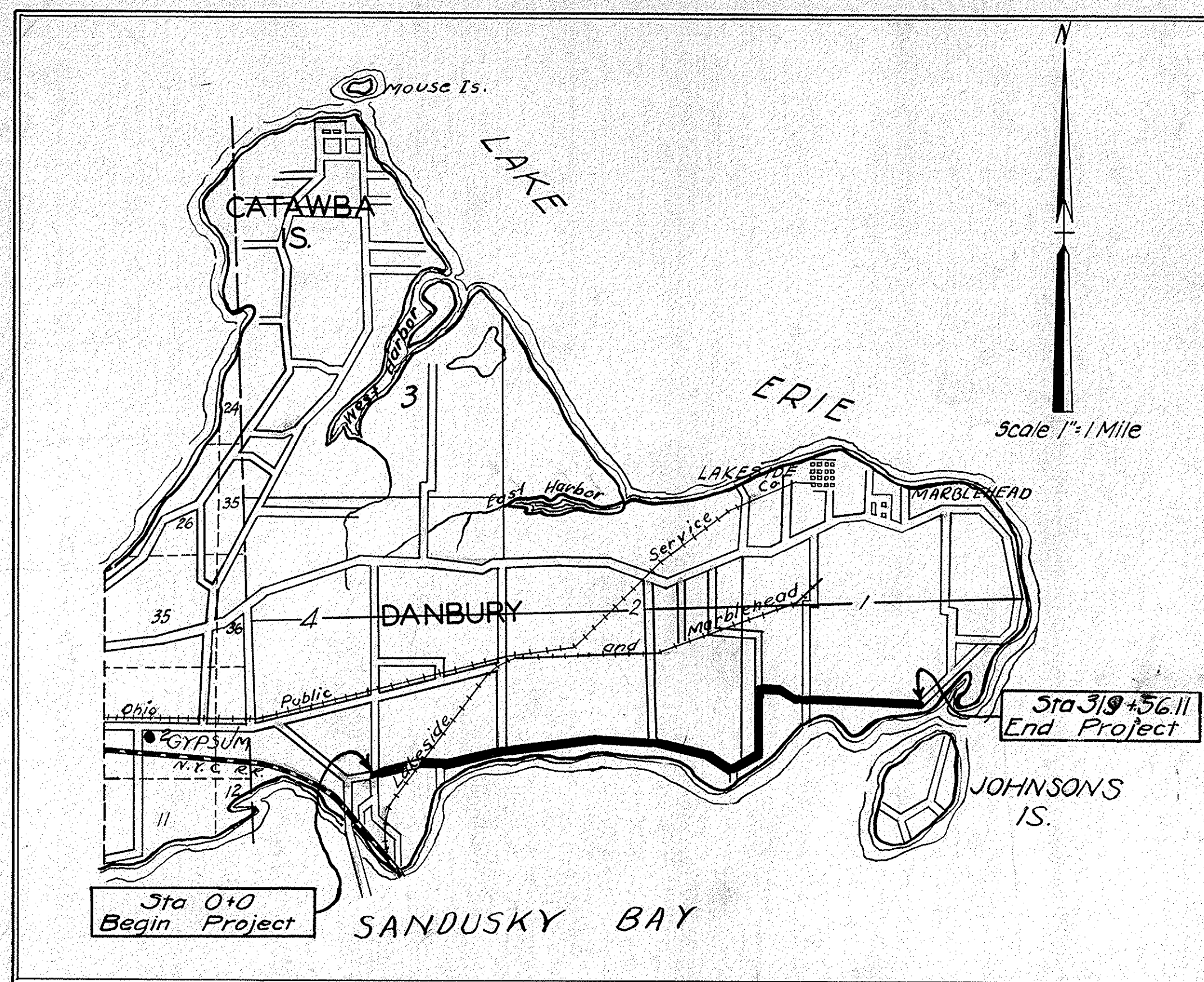
Approved H.P. Chapman  
Date 7-9-34 First Asst. Director and Chief Engineer.

Approved Oldferriff  
Date 7-9-34 Director of Highways.

Recommended for Approval \_\_\_\_\_  
Date \_\_\_\_\_ District Engineer, Bureau of Public Roads.

Recommended for Approval \_\_\_\_\_  
Date \_\_\_\_\_ Chief Engineer, Bureau of Public Roads.

Approved \_\_\_\_\_  
Date \_\_\_\_\_ Chief of Bureau.



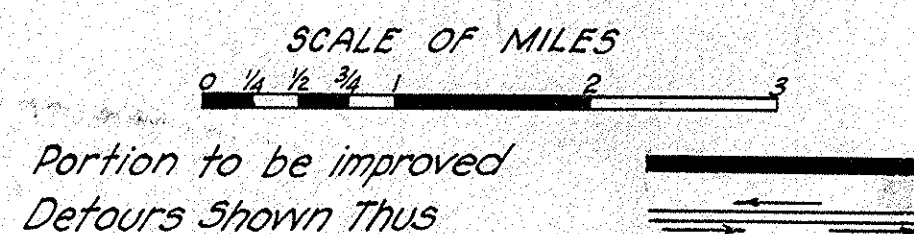
CONVENTIONAL SIGNS

County Line	-----
Township Line	-----
Section Line	-----
Property Line not fenced	-----
Center Line	-----
Fence	-----
Telephone or Telegraph	-----
Steam Railroad	-----
Guard Rail	-----
Drain Pipe (new)	-----
Drain Pipe (old)	-----

We, the Commissioners of Ottawa County hereby approve these plans and certify that the right-of-way 40 feet wide is available for the construction maintenance and repair of the above highway.

Approved Edw. H. Tank  
Arthur C. O'Connell  
Fred Connell  
Date: \_\_\_\_\_ County Commissioners

LOCATION PLAN



Revised 12/13/79 S.N.

INDEX

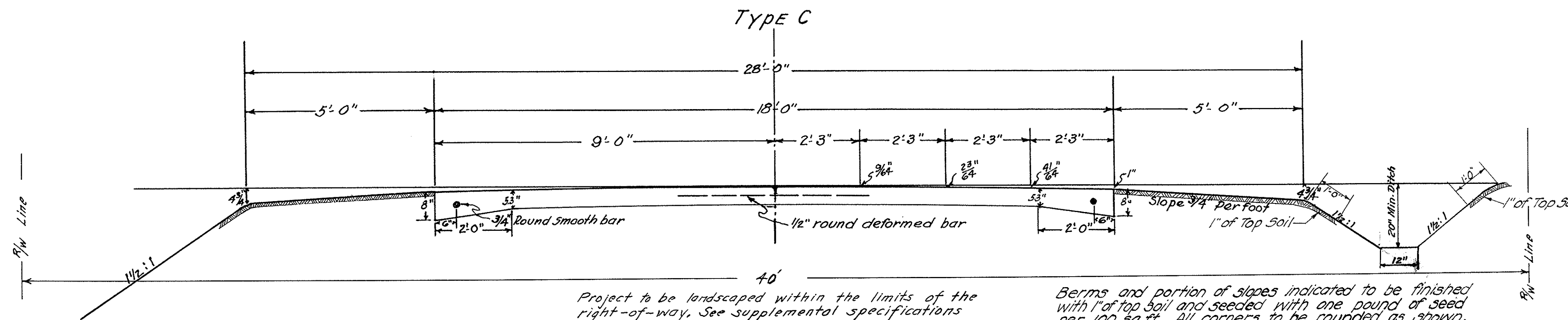
Title Sheet	----- 1
Typical Section	----- 2
Plan and Profile	----- 3-14
Cross Sections	----- 15-31
Summary of Quantities	----- 32

SCALES

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

CHECKING RECORD			RECEIVED	APPROVED
OFFICE	BY	DATE	By	Date
RESIDENT DIVISION			Clerk of Sales	Planning Engineer
BUREAU OF MAINTENANCE				Date
BUREAU OF BRIDGES				Remarks
BUREAU OF CONSTRUCTION	<u>1/24/34</u>	<u>7-7-34</u>	Date	
BUREAU OF PUBLIC ROADS				

# TYPICAL SECTION



Project to be landscaped within the limits of the right-of-way. See supplemental specifications covering landscaping.

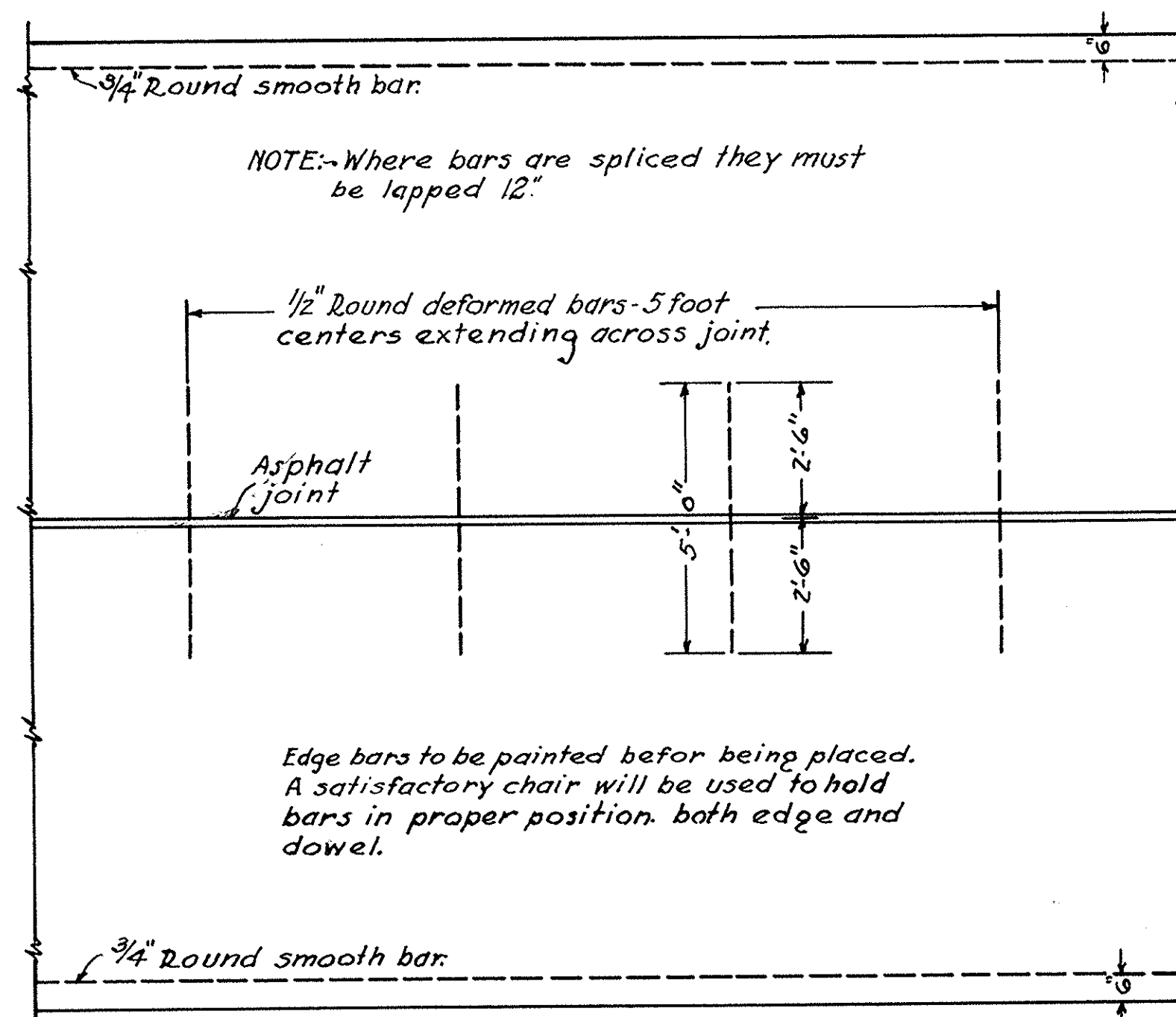
Berms and portion of slopes indicated to be finished with 1" of top soil and seeded with one pound of seed per 100 sq.ft. All corners to be rounded as shown.

Pavement on all curves shall be superelevated and on all curves where the degree of curvature is 5° or more will be widened.

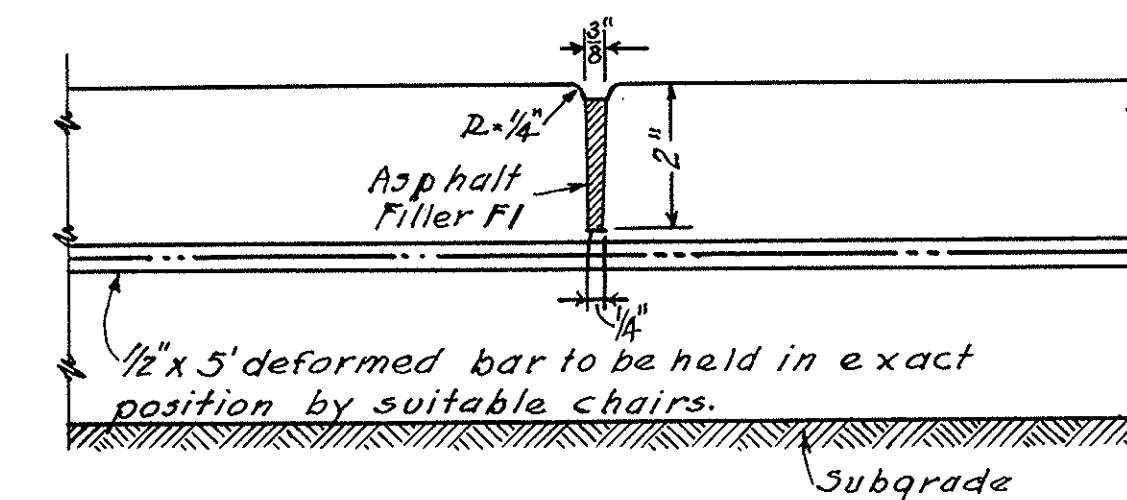
The spacing for joints will be 30 feet. Expansion joints shall be constructed at each third joint. If preformed expansion joint material is not in a single piece the adjoining portions shall be cut so that when laid all ends will be closely joined. All joints to be edged with a beading tool of 1/4" radius.

In the construction of this concrete pavement weight proportioning of aggregates will be required.

Grade "B" stone, if properly washed and graded will be approved for this job.

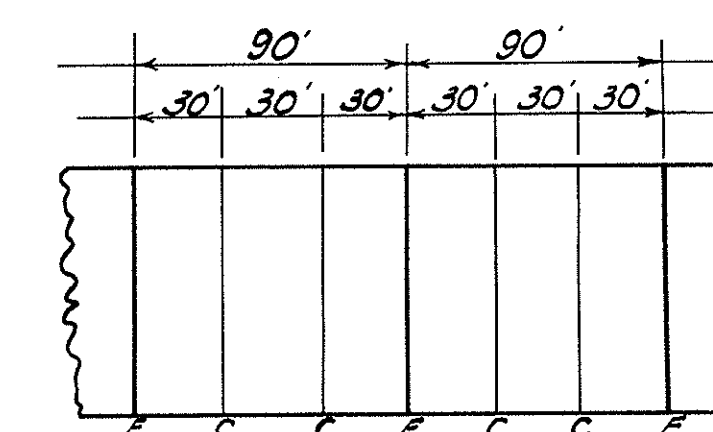
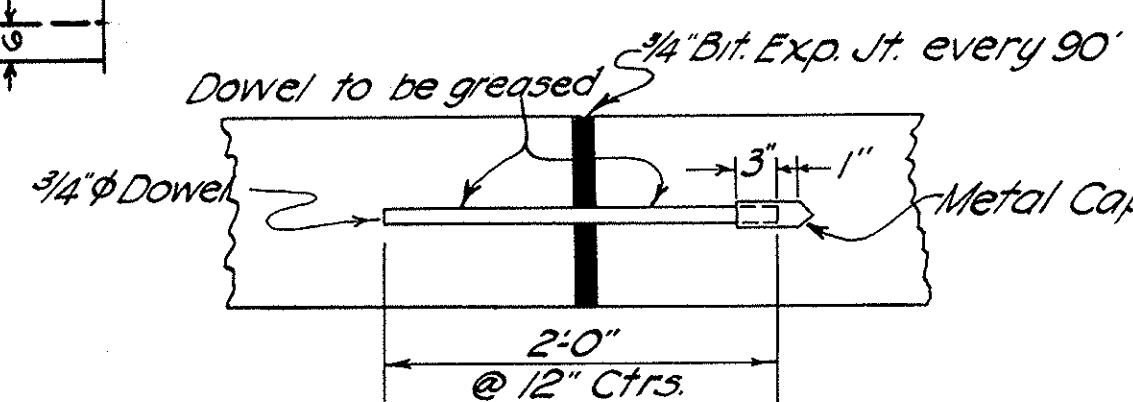


PLAN



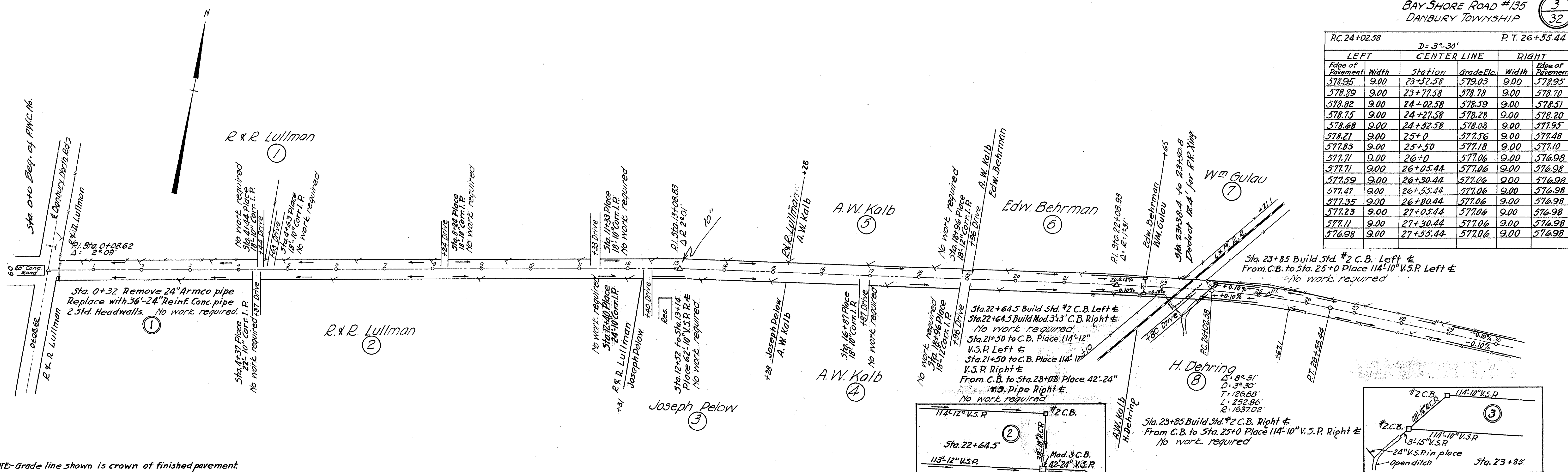
DETAIL OF JOINT

Note: Place 3/4" bituminous expansion joint every 90' with contraction joints at 30' centers. Joints shall be spaced at 90' intervals regardless of aggregate used. Place 3/4" round greased dowels used at 12" centers, and with an approved metal cap on one end to provide for expansion. The 3/4" round smooth edge bar shall be used as specified in Standard drawing No. T-70-J.



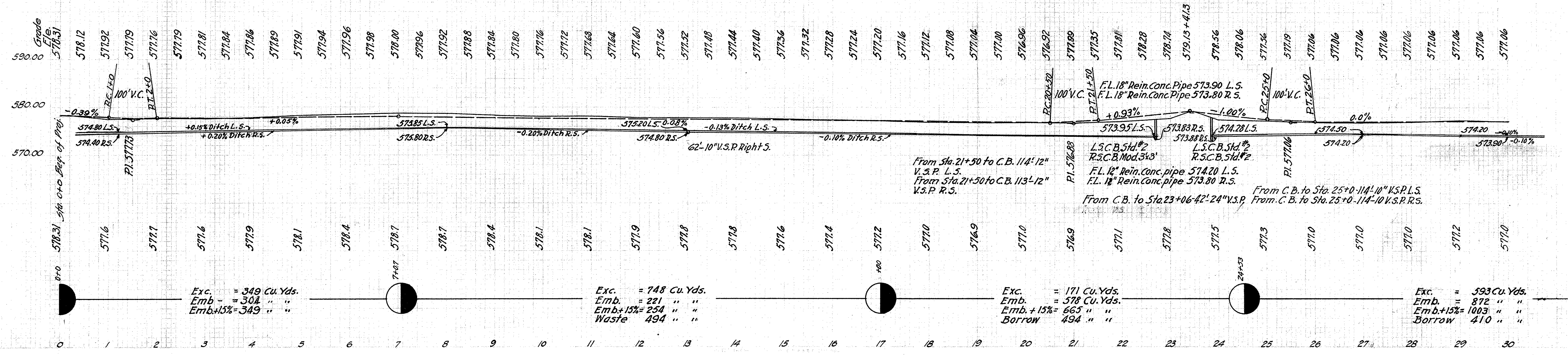
DETAIL OF SPACING FOR BITUMINOUS JOINTS

PC. 24+02.38		D = 3° 30'		P.T. 26+55.44	
LEFT		CENTER LINE		RIGHT	
Edge of Pavement	Width	Station	Grade Ele.	Width	Edge of Pavement
578.95	9.00	23+52.58	579.03	9.00	578.95
578.89	9.00	23+77.58	578.78	9.00	578.70
578.82	9.00	24+02.58	578.59	9.00	578.51
578.75	9.00	24+27.58	578.28	9.00	578.20
578.68	9.00	24+52.58	578.03	9.00	577.95
578.21	9.00	25+0	577.56	9.00	577.48
577.83	9.00	25+50	577.18	9.00	577.10
577.71	9.00	26+0	577.06	9.00	576.98
577.71	9.00	26+05.44	577.06	9.00	576.98
577.59	9.00	26+30.44	577.06	9.00	576.98
577.47	9.00	26+55.44	577.06	9.00	576.98
577.35	9.00	26+80.44	577.06	9.00	576.98
577.23	9.00	27+05.44	577.06	9.00	576.98
577.11	9.00	27+30.44	577.06	9.00	576.98
576.98	9.00	27+55.44	577.06	9.00	576.98



NOTE-Grade line shown is crown of finished pavement

B.M. Sta. 0+0 R.R. Spk. in Powerpole R. & Ele. 577.25	B.M. Sta. 4+50 R.R. Spk. in Elm Tree L & Ele. 578.26	B.M. Sta. 8+75 R.R. Spk. S.E. Cor. Barn L & Ele. 579.56	B.M. Sta. 12+80 N.W. Cor. Top West Con. Step Rail R. & Ele. 580.21	B.M. Sta. 17+50 R.R. Spk. in pear Tree L & Ele. 577.40	B.M. Sta. 23+20 R.R. Spk. in Tel. Pole L & Ele. 579.32	B.M. Sta. 27+90 R.R. Spk. Oak Tree R. & Ele. 576.64
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Exc. = 393 Cu. Yds.  
Emb. = 872 " "  
Emb.+15% = 1003 " "  
Borrow = 410 " "

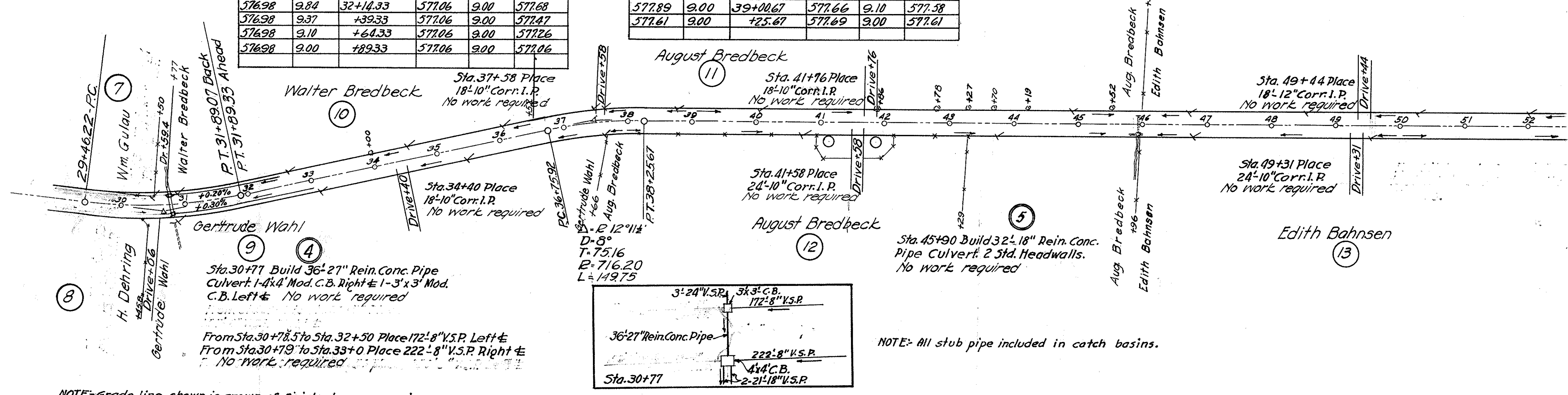
LEFT		CENTER LINE		RIGHT	
Edge of Pavement	Width	Station	Grade/Elev.	Width	Edge of Pavement
576.98	9.00	28+46.22	577.06	9.00	577.06
576.98	9.10	+71.22	577.06	9.00	577.26
576.98	9.37	+96.22	577.06	9.00	577.47
576.98	9.84	29+21.22	577.06	9.00	577.68
576.98	10.55	+46.22	577.06	9.00	577.89
576.98	11.21	+71.22	577.06	9.00	578.10
576.98	11.50	+96.22	577.06	9.00	578.31
576.98	11.50	30+0	577.06	9.00	578.31
576.98	11.50	+50	577.06	9.00	578.31
576.98	11.50	31+0	577.06	9.00	578.31
576.98	11.50	+39.33	577.06	9.00	578.31
576.98	11.21	+64.33	577.06	9.00	578.10
576.98	10.55	+89.33	577.06	9.00	577.89
576.98	9.84	32+14.33	577.06	9.00	577.68
576.98	9.37	+39.33	577.06	9.00	577.47
576.98	9.10	+64.33	577.06	9.00	577.26
576.98	9.00	+89.33	577.06	9.00	577.06

LEFT		CENTER LINE		RIGHT	
Edge of Pavement	Width	Station	Grade/Elev.	Width	Edge of Pavement
577.19	9.00	35+75.92	577.27	9.00	577.19
577.44	9.00	36+00.92	577.30	9.10	577.22
577.69	9.00	+25.92	577.33	9.37	577.25
577.96	9.00	+50.92	577.36	9.84	577.28
578.21	9.00	+75.92	577.39	10.55	577.31
578.46	9.00	37+00.92	577.42	11.21	577.34
578.70	9.00	+25.92	577.45	11.50	577.37
578.93	9.00	+50	577.48	11.50	577.40
579.16	9.00	+75.67	577.51	11.50	577.43
579.39	9.00	38+00.67	577.54	11.21	577.46
579.61	9.00	+25.67	577.57	10.55	577.49
579.84	9.00	+50.67	577.60	9.84	577.52
579.96	9.00	+75.67	577.63	9.37	577.55
579.89	9.00	39+00.67	577.66	9.10	577.58
579.61	9.00	+25.67	577.69	9.00	577.61

LEFT		CENTER LINE		RIGHT	
Edge of Pavement	Width	Station	Grade/Elev.	Width	Edge of Pavement
577.89	9.00	51+88.56	577.97	9.00	577.89
577.90	9.03	52+0	577.98	9.00	578.01
577.91	9.11	+75.56	577.98	9.00	578.15
577.94	9.44	+38.56	578.02	9.00	578.41
577.96	9.99	+63.56	578.04	9.00	578.67
577.99	10.81	+88.56	578.07	9.00	578.93
578.00	11.40	53+0	578.08	9.00	579.15
578.01	11.54	+13.56	578.09	9.00	579.19
578.04	11.83	+38.56	578.12	9.00	579.46
578.05	11.83	+50	578.13	9.00	579.47
578.05	11.83	54+0	578.13	9.00	579.52
578.05	11.83	55+0	578.13	9.00	579.57

LEFT		CENTER LINE		RIGHT	
Edge of Pavement	Width	Station	Grade/Elev.	Width	Edge of Pavement
578.47	9.00	57+72.95	578.55	9.44	578.47
578.90	9.00	+97.95	578.58	9.99	578.50
579.33	9.00	58+0	578.58	10.55	578.50
579.76	9.00	58+22.95	578.67	11.81	578.59
579.79	9.00	+50	578.77	11.59	578.69
580.20	9.00	+72.95	578.76	11.83	578.78
580.30	9.00	59+0	578.96	11.83	578.88
580.49	9.00	+50	579.15	11.83	579.07
580.68	9.00	60+0	579.34	11.83	579.26
580.87	9.00	+50	579.53	11.83	579.45
581.06	9.00	61+0	579.72	11.83	579.64
581.25	9.00	+50	579.91	11.83	579.83
581.44	9.00	62+0	580.10	11.83	580.02
581.63	9.00	+50	580.29	11.83	580.21
581.53	9.00	+78.62	580.19	11.83	580.11
581.26	9.00	63+0	580.10	11.60	580.02
581.21	9.00	+03.62	580.11	11.54	580.03
580.99	9.00	+28.62	580.02	10.81	579.94
580.37	9.00	66+62.60	579.94	9.99	579.86
580.25	9.00	+87.60	579.85	9.40	579.77
580.09	9.00	67+0	579.81	9.25	579.73
579.63	9.00	+12.60	579.77	9.11	579.69
579.60	9.00	+37.60	579.68	9.00	579.60

ΔL 19'27"  
D=8°  
T=122.74  
R=716.20  
L=243.11



Sta. 30+77 Build 36" 27" Rein. Conc. Pipe Culvert. 1-4' 4" Mod. C.B. Right & 1-3' x 3' Mod. C.B. Left & No work required  
From Sta. 30+78.5 to Sta. 32+50 Place 172" 8" V.S.P. Left &  
From Sta. 30+78.5 to Sta. 33+0 Place 222" 8" V.S.P. Right &  
No work required

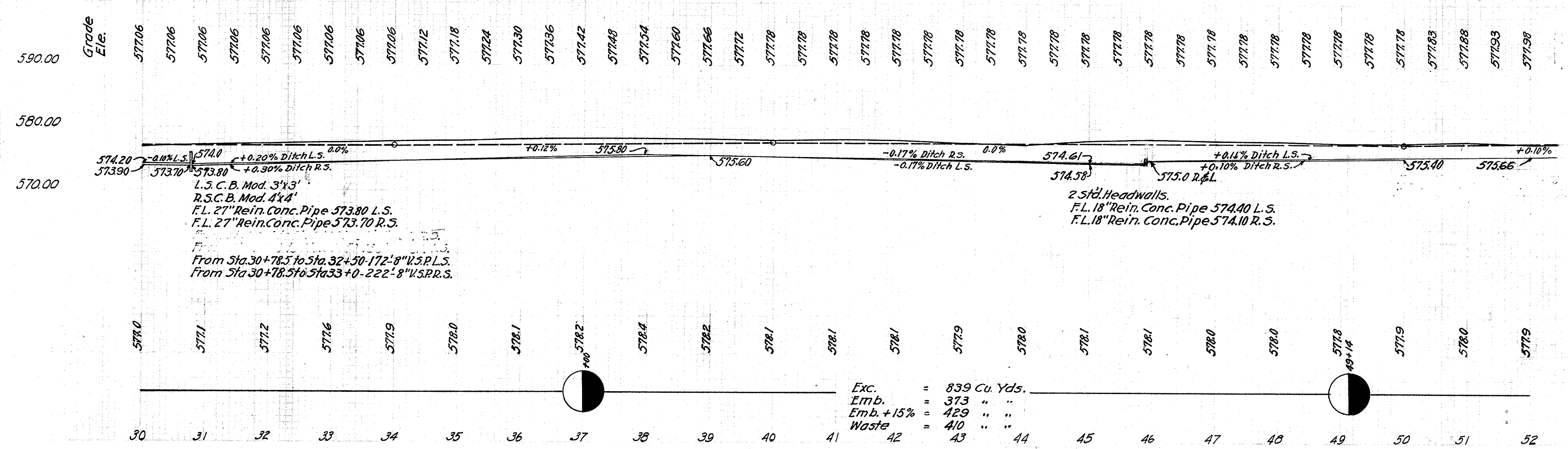
B.M. Sta. 34+0  
R.R. Spk. in Elm Tree L &  
Ele. 578.43

B.M. Sta. 41+40  
R.R. Spk. in Maple Tree R &  
Ele. 578.70

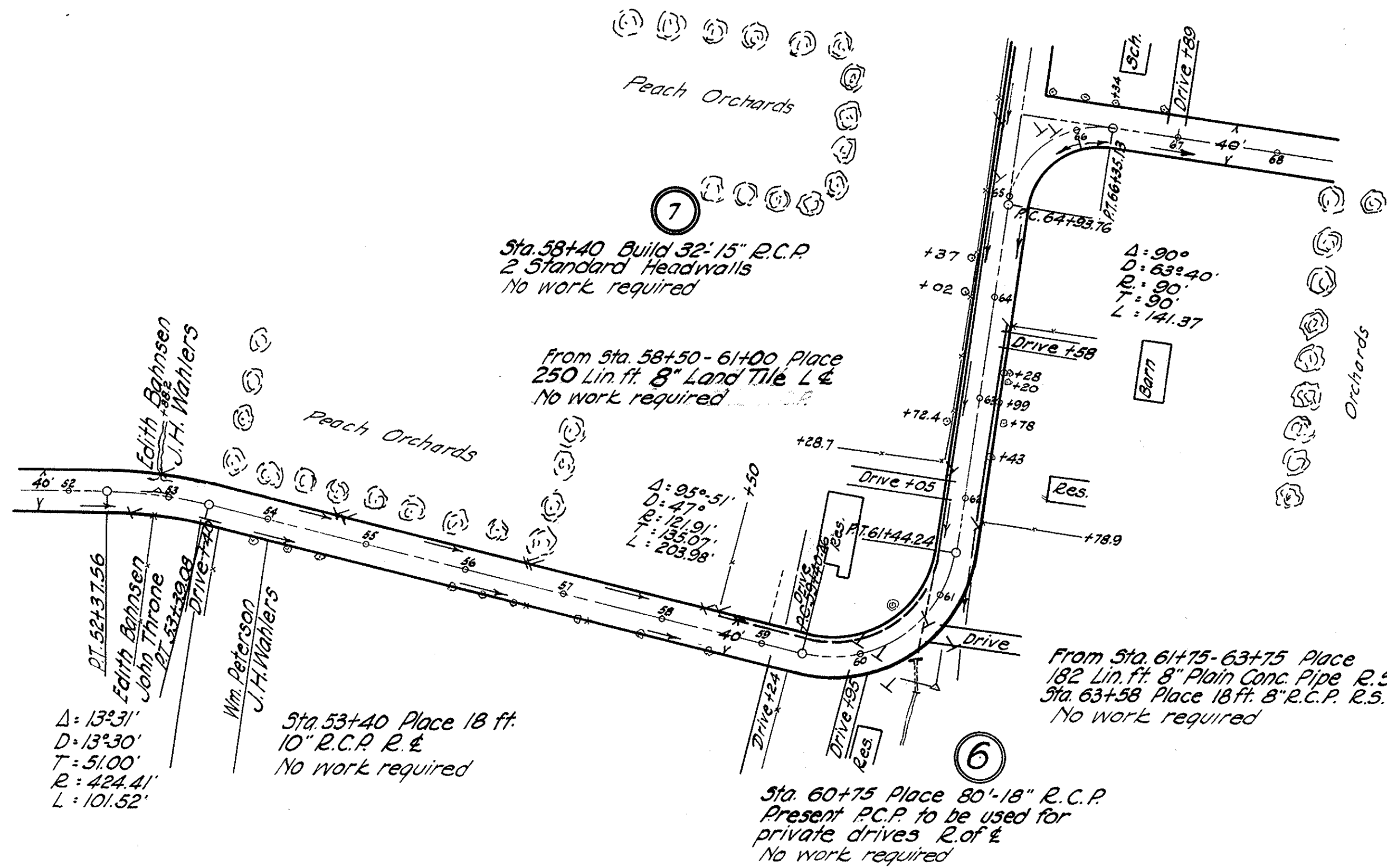
B.M. Sta. 45+60  
R.R. Spk. in Maple Tree L &  
Ele. 578.92

B.M. Sta. 49+60  
R.R. Spk. in Pr. pole R &  
Ele. 578.29

B.M. Sta. 53+95  
R.R. Spk. in Maple Tree R &  
Ele. 578.53



Exc. = 839 Cu Yds.  
Emb. = 373 " "  
Emb. + 15% = 429 " "  
Waste = 410 " "



PC. 59+40.26 D: 47° RT. 61+44.24

LEFT	CENTERLINE		RIGHT	
Edge of Pavement	Width	Centerline Grade Elev.	Station	Edge of Pavement
576.94	9.00	577.01	58+40.26	576.94
576.91	9.23	576.98	58+63.26	577.22
576.87	9.88	576.95	58+90.26	577.51
576.67	10.98	576.75	59+15.26	577.79
576.65	12.54	576.73	59+40.26	578.07
576.62	13.63	576.70	59+65.26	578.36
576.59	14.00	576.67	59+90.26	578.64
576.46	14.00	576.54	60+50	578.51
576.28	14.00	576.35	60+50	578.33
576.30	14.00	576.38	60+94.24	578.35
576.50	13.63	576.58	61+19.24	578.24
576.64	12.54	576.72	61+44.24	578.13
576.88	10.98	576.96	61+69.24	578.02
577.16	9.88	577.24	61+94.24	577.91
577.42	9.23	577.50	62+19.24	577.80
577.69	9.00	577.77	62+44.24	577.69

Extra Pavement = 129.20 Sq. Yds.

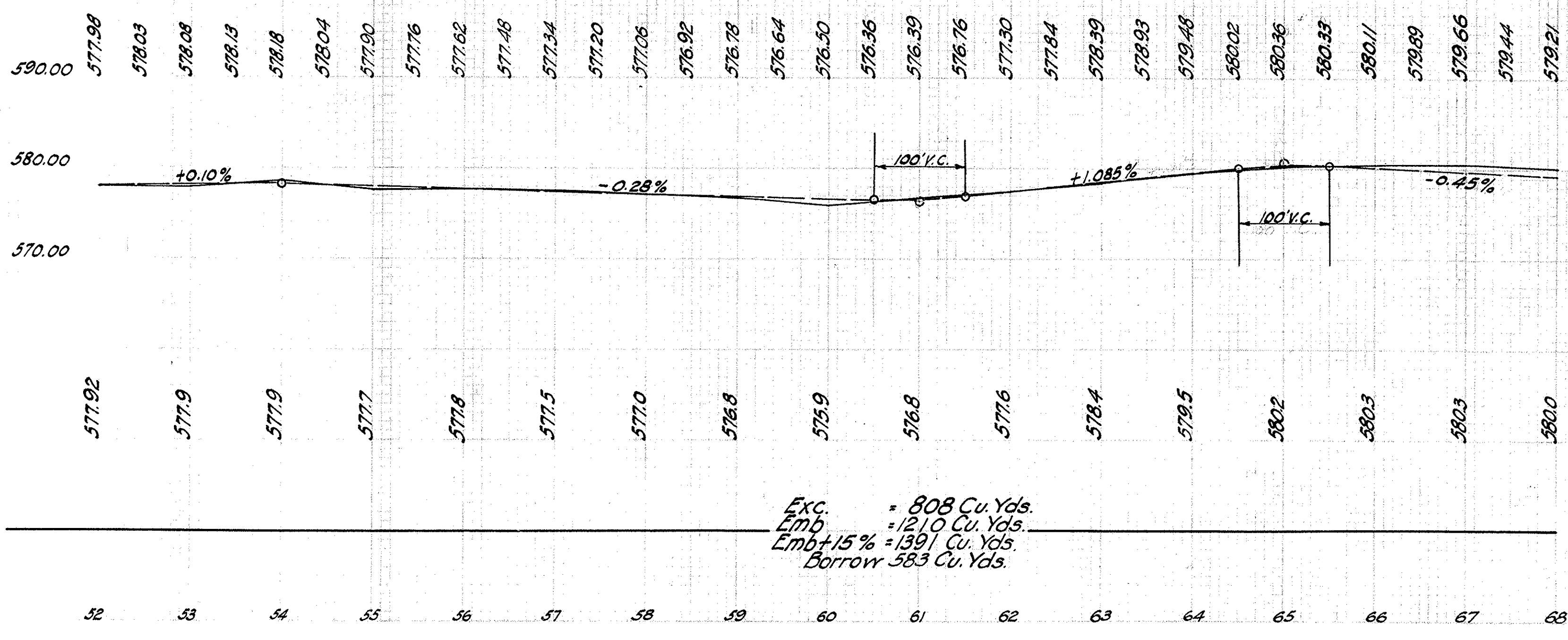
PC. 64+93.76 D: 63° 40' RT. 66+35.13

LEFT	CENTERLINE		RIGHT	
Edge of Pavement	Width	Centerline Grade Elev.	Station	Edge of Pavement
579.33	9.00	579.41	63+93.76	579.33
579.83	9.00	579.68	64+18.76	579.60
580.33	9.00	579.96	64+43.76	579.88
580.83	9.00	580.19	64+68.76	580.11
581.33	9.00	580.35	64+93.76	580.27
581.45	9.00	580.37	65+0	580.29
581.33	9.00	580.39	65+18.76	580.31
582.33	9.00	580.36	65+43.76	580.28
582.30	9.00	580.33	65+50	580.25
582.14	9.00	580.17	65+85.13	580.09
581.88	9.00	580.11	66+0	580.03
581.69	9.00	580.06	66+10.13	579.98
581.24	9.00	579.95	66+35.13	579.87
580.78	9.00	579.84	66+60.13	579.76
580.33	9.00	579.73	66+85.13	579.65
580.06	9.00	579.66	67+0	579.58
579.88	9.00	579.61	67+10.13	579.53
579.42	9.00	579.50	67+35.13	579.42

Extra Pavement = 96.03 Sq. Yds.

B.M. Sta. 61+10  
R.P. Spk. in Elm R. & E.  
Elev. 577.55

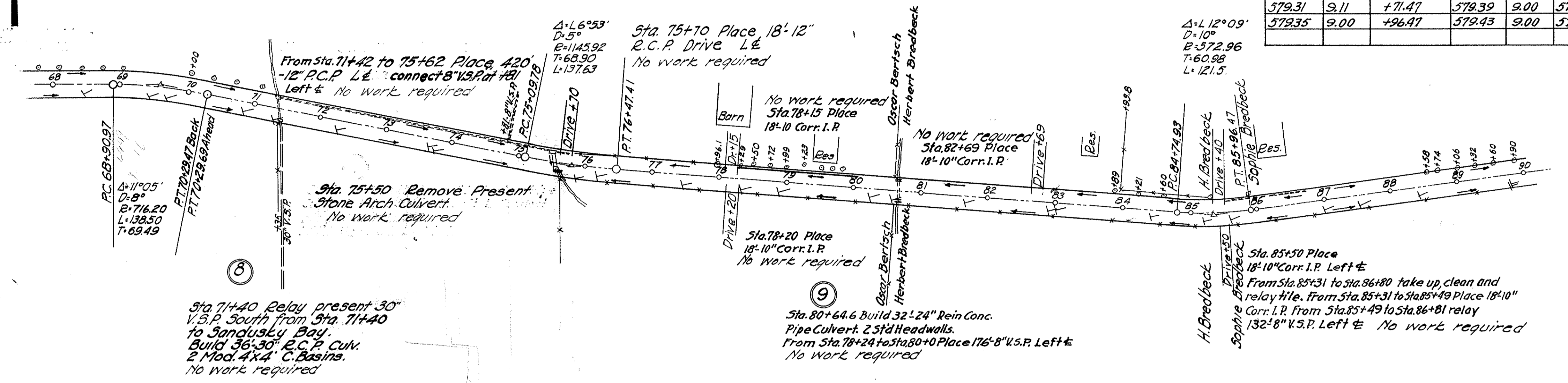
B.M. Sta. 65+50  
R.P. Spk. in Walnut L. & E.  
Elev. 580.80



PC. 68+90.97		D=8°		PT. 70+29.47 Back 70+29.69 Ahead	
LEFT		CENTER LINE		RIGHT	
Edge of Pavement	Width	Station	Grade Ele.	Width	Edge of Pavement
579.17	9.00	67+90.97	570.25	9.00	579.17
579.21	9.00	68+0	579.21	9.02	579.13
579.28	9.00	+18.97	579.14	9.10	579.06
579.39	9.00	+40.97	579.03	9.37	578.95
579.50	9.00	+65.97	578.92	9.84	578.84
579.61	9.00	+90.97	578.80	10.55	578.72
579.65	9.00	69+10	578.76	10.88	578.68
579.72	9.00	+15.97	578.69	11.21	578.61
579.83	9.00	+40.97	578.58	11.50	578.50
579.79	9.00	70	578.54	11.50	578.46
579.65	9.00	+79.47	578.40	11.50	578.32
579.38	9.00	70+0	578.31	11.31	578.23
579.32	9.00	+04.47	578.29	11.21	578.21
578.99	9.00	+29.47	578.18	10.55	578.10
578.65	9.00	+54.49	578.07	9.84	577.99
578.32	9.00	+79.69	577.96	9.37	577.88
578.05	9.00	71+0	577.86	9.14	577.78
577.99	9.00	+04.69	577.84	9.10	577.76
577.65	9.00	+29.69	577.73	9.00	577.65

PC. 75+09.78		D=5°		PT. 76+47.41	
LEFT		CENTER LINE		RIGHT	
Edge of Pavement	Width	Station	Grade Ele.	Width	Edge of Pavement
576.80	9.00	74+09.78	576.88	9.00	576.80
576.78	9.07	+34.78	576.86	9.00	576.96
576.75	9.27	+59.78	576.83	9.00	577.12
576.73	9.61	+84.78	576.81	9.00	577.28
576.71	9.89	75+0	576.79	9.00	577.38
576.70	10.15	+09.78	576.78	9.00	577.44
576.68	10.73	+34.78	576.76	9.00	577.61
576.65	11.00	+59.78	576.73	9.00	577.73
576.61	11.00	+84.78	576.69	9.00	577.69

PC. 84+74.93		D=10°		PT. 85+96.47	
LEFT		CENTER LINE		RIGHT	
Edge of Pavement	Width	Station	Grade Ele.	Width	Edge of Pavement
578.83	9.00	83+74.93	578.91	9.00	578.83
578.87	9.11	+99.93	578.95	9.00	579.10
578.91	9.44	84+24.93	578.99	9.00	579.38
578.95	9.99	+49.93	579.03	9.00	579.65
578.99	10.81	+74.93	579.07	9.00	579.93
579.03	11.54	+99.93	579.11	9.00	580.21
579.07	11.83	85+24.93	579.15	9.00	580.49
579.11	11.83	+46.47	579.19	9.00	580.53
579.15	11.54	+71.47	579.23	9.00	580.34
579.19	10.81	+96.47	579.27	9.00	580.14
579.23	9.99	86+21.47	579.31	9.00	579.94
579.27	9.44	+46.47	579.35	9.00	579.75
579.31	9.11	+71.47	579.39	9.00	579.55
579.35	9.00	+96.47	579.43	9.00	579.35



NOTE: Grade line shown is Crown of finished pavement.

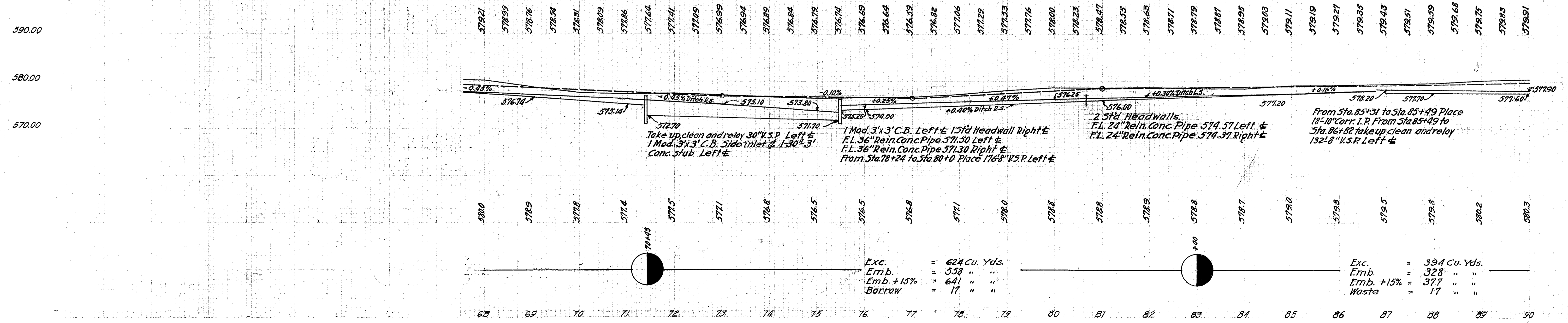
B.M. Sta. 62+10  
B.R. Spk. in Walnut R. &  
Ele. 580.80

B.M. Sta. 70+65  
B.R. Spk. in Apple Stp L. &  
Ele. 577.62

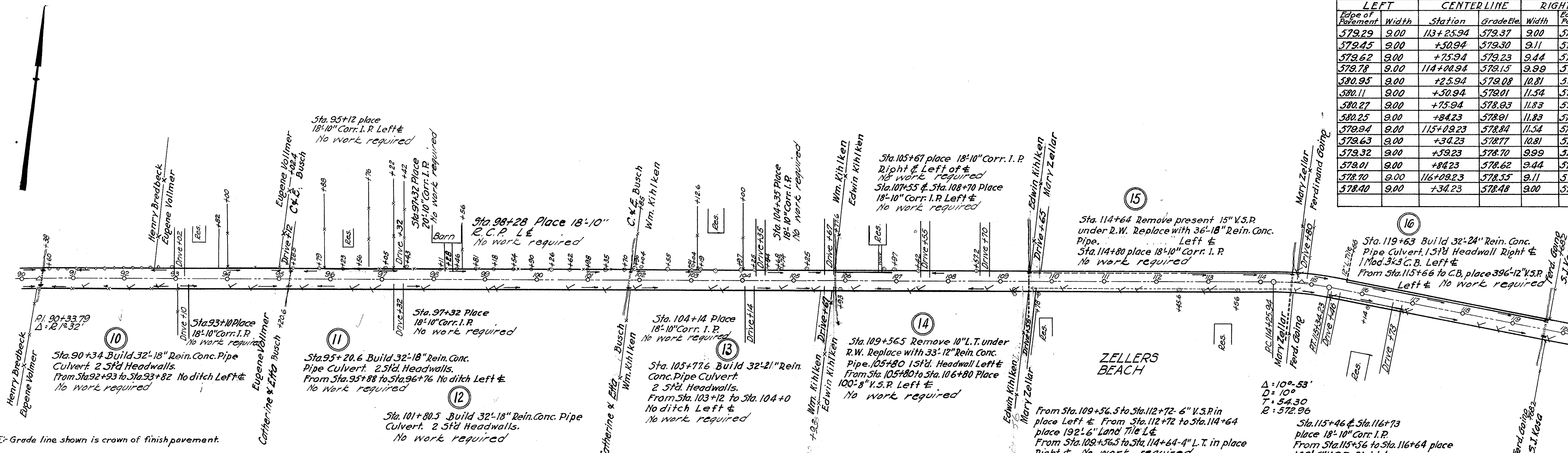
B.M. Sta. 77+20  
B.R. Spk. in Oak R. &  
Ele. 575.94

B.M. Sta. 81+75  
B.R. Spk. in Oak R. &  
Ele. 578.78

B.M. Sta. 87+60  
B.R. Spk. in Oak R. &  
Ele. 579.74



P.C. 114+25.94		D=10°		P.T. 115+34.29	
LEFT	WIDTH	STATION	GRADE/ELE.	WIDTH	EDGE OF PAVEMENT
579.29	9.00	113+25.94	579.37	9.00	579.29
579.45	9.00	+50.94	579.30	9.11	579.22
579.62	9.00	+75.94	579.23	9.44	579.15
579.78	9.00	114+00.94	579.15	9.99	579.07
580.95	9.00	+25.94	579.08	10.81	579.00
580.11	9.00	+50.94	579.01	11.54	578.93
580.27	9.00	+75.94	578.93	11.83	578.85
580.25	9.00	+84.23	578.91	11.83	578.83
579.94	9.00	115+09.23	578.84	11.54	578.76
579.63	9.00	+34.23	578.77	10.81	578.69
579.32	9.00	+59.23	578.70	9.99	578.62
579.01	9.00	+84.23	578.62	9.44	578.54
578.70	9.00	116+09.23	578.55	9.11	578.47
578.40	9.00	+34.23	578.48	9.00	578.40



NOTE: Grade line shown is crown of finish pavement.

B.M. Sta. 93+40  
R.R. Spk. in Silver Maple L &  
Ele. 582.07

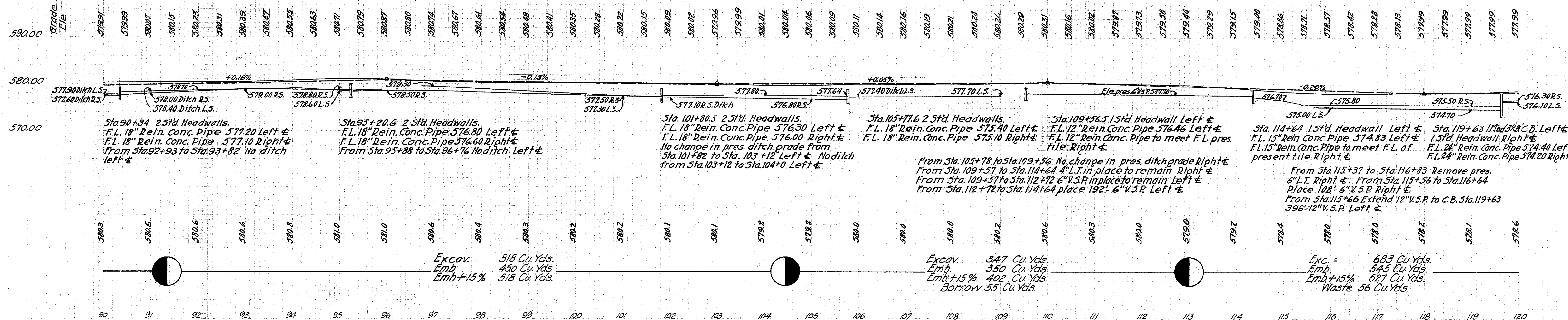
B.M. Sta. 97+50  
R.R. Spk. in Maple L &  
Ele. 581.68

B.M. Sta. 103+0  
R.R. Spk. in Maple L &  
Ele. 580.96

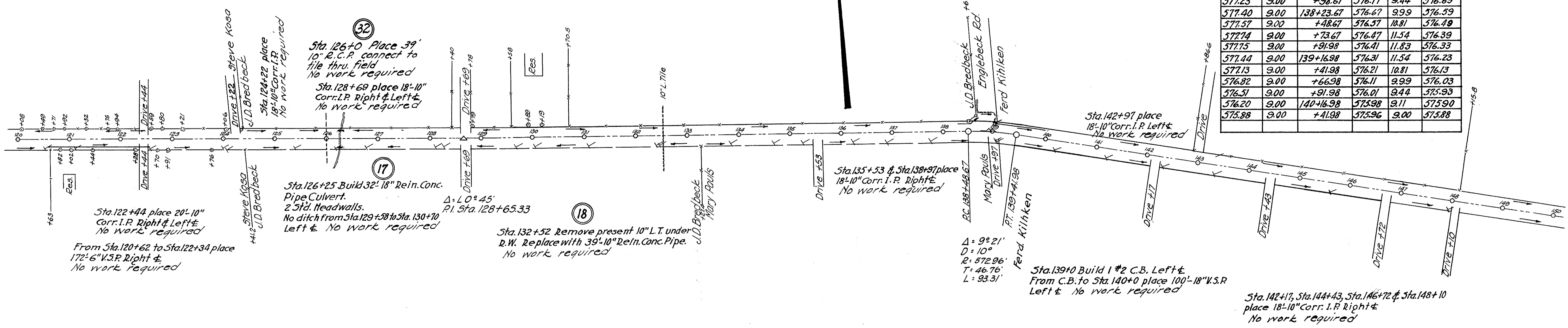
B.M. Sta. 109+40  
R.R. Spk. in Poplar R &  
Ele. 580.55

B.M. Sta. 114+50  
R.R. Spk. in Poplar R &  
Ele. 578.78

B.M. Sta. 120+10  
R.R. Spk. in Poplar L &  
Ele. 578.90

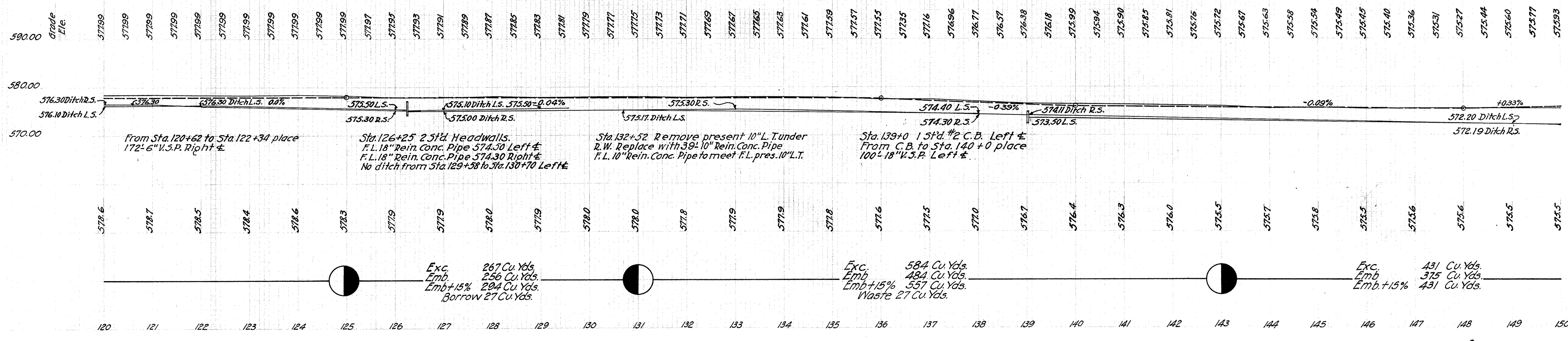


P.C. 138+48.67		D=10°		P.T. 139+41.98	
LEFT	CENTERLINE	RIGHT	Edge of Pavement	Width	Edge of Pavement
576.89	9.00	137+48.67	576.97	9.00	576.89
577.06	9.00	+73.67	576.87	9.11	576.79
577.23	9.00	+98.67	576.77	9.44	576.69
577.40	9.00	138+23.67	576.67	9.99	576.59
577.57	9.00	+48.67	576.57	10.81	576.49
577.74	9.00	+73.67	576.47	11.54	576.39
577.91	9.00	+98.67	576.41	11.83	576.33
577.44	9.00	139+16.98	576.31	11.54	576.23
577.13	9.00	+41.98	576.21	10.81	576.13
576.82	9.00	+66.98	576.11	9.99	576.03
576.51	9.00	+91.98	576.01	9.44	575.93
576.20	9.00	140+16.98	575.98	9.11	575.90
575.88	9.00	+41.98	575.96	9.00	575.88

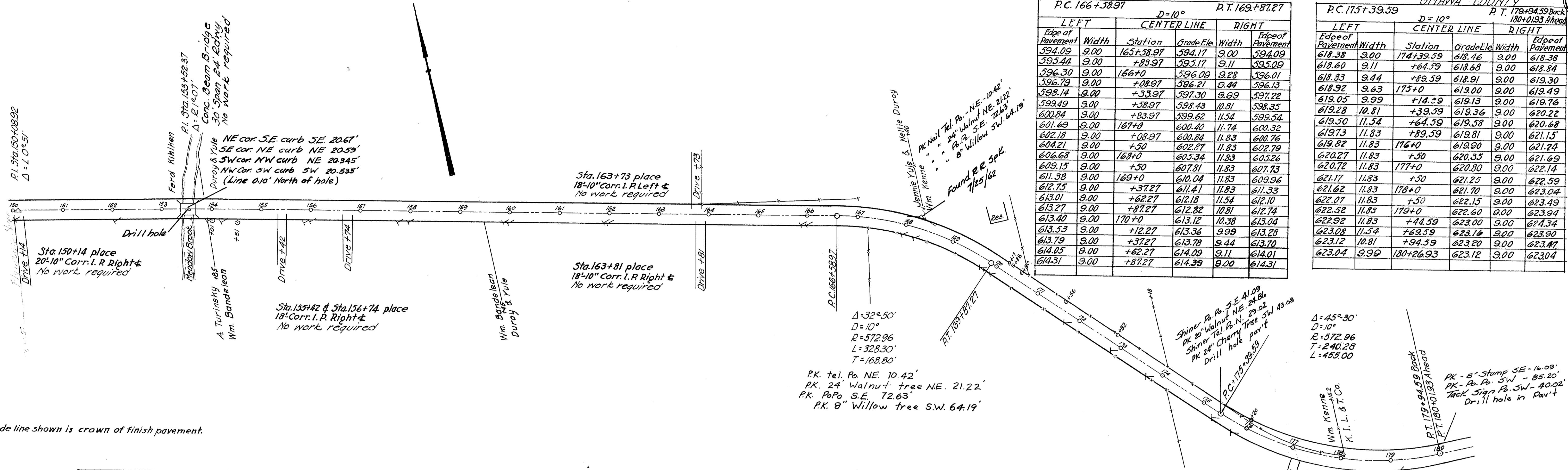


NOTE: Grade line shown is crown of finish pavement.

B.M. Sta. 120+10 R.R. Spk. in Poplar L. & Ele. 578.90	B.M. Sta. 124+40 R.R. Spk. in Elm R. & Ele. 578.11	B.M. Sta. 130+15 R.R. Spk. in Maple L. & Ele. 578.34	B.M. Sta. 136+05 R.R. Spk. in Peach R. & Ele. 577.92	B.M. Sta. 143+25 R.R. Spk. in Pr. Pole R. & Ele. 575.82	B.M. Sta. 148+20 R.R. Spk. in Box Elder R. & Ele. 575.23
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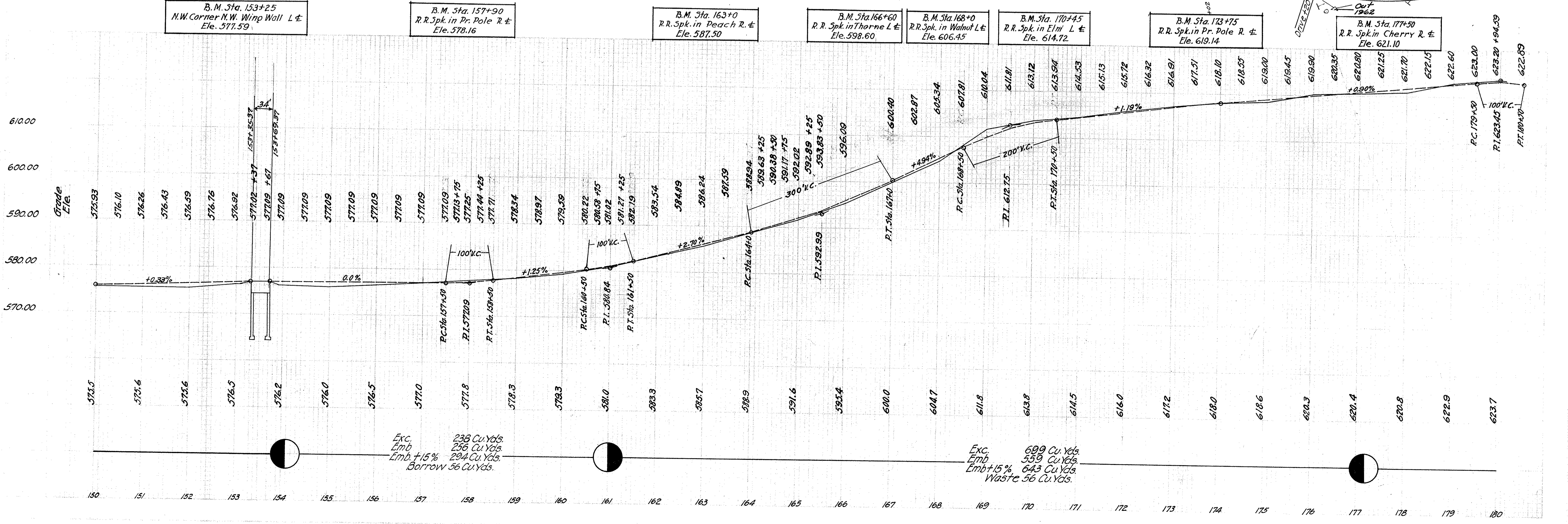




LEFT		CENTER LINE		RIGHT	
Edge of Pavement	Width	Station	Grade Ele.	Width	Edge of Pavement
594.09	9.00	163+58.97	594.17	9.00	594.09
595.44	9.00	+83.97	595.17	9.11	595.09
596.30	9.00	166+0	596.09	9.28	596.01
596.79	9.00	+08.97	596.21	9.44	596.13
598.14	9.00	+33.97	597.30	9.99	597.22
599.49	9.00	+38.97	598.43	10.81	598.35
600.84	9.00	+83.97	599.62	11.54	599.54
601.69	9.00	167+0	600.40	11.74	600.32
602.18	9.00	+08.97	600.84	11.83	600.76
604.21	9.00	+50	602.87	11.83	602.79
606.68	9.00	168+0	605.34	11.83	605.26
609.15	9.00	+50	607.81	11.83	607.73
611.38	9.00	169+0	610.04	11.83	609.96
612.75	9.00	+37.27	611.41	11.83	611.33
613.01	9.00	+62.27	612.18	11.54	612.10
613.27	9.00	+87.27	612.82	10.81	612.74
613.40	9.00	170+0	613.12	10.38	613.04
613.53	9.00	+12.27	613.36	9.99	613.28
613.79	9.00	+37.27	613.78	9.44	613.70
614.05	9.00	+62.27	614.09	9.11	614.01
614.31	9.00	+87.27	614.39	9.00	614.31

LEFT		CENTER LINE		RIGHT	
Edge of Pavement	Width	Station	Grade Ele.	Width	Edge of Pavement
618.38	9.00	174+39.59	618.46	9.00	618.38
618.60	9.11	+64.59	618.68	9.00	618.84
618.83	9.44	+89.59	618.91	9.00	619.30
618.92	9.63	175+0	619.00	9.00	619.49
619.05	9.99	+14.59	619.13	9.00	619.76
619.28	10.81	+39.59	619.36	9.00	620.22
619.50	11.54	+64.59	619.58	9.00	620.68
619.73	11.83	+89.59	619.81	9.00	621.15
619.82	11.83	176+0	619.90	9.00	621.74
620.27	11.83	+50	620.35	9.00	621.69
620.72	11.83	177+0	620.80	9.00	622.14
621.17	11.83	+50	621.25	9.00	622.59
621.62	11.83	178+0	621.70	9.00	623.04
622.07	11.83	+50	622.15	9.00	623.49
622.52	11.83	179+0	622.60	9.00	623.94
622.92	11.83	+44.59	623.00	9.00	624.34
623.08	11.54	+69.59	623.16	9.00	623.90
623.12	10.81	+94.59	623.20	9.00	623.87
623.04	9.99	180+26.93	623.12	9.00	623.04

NOTE: Grade line shown is crown of finish pavement.



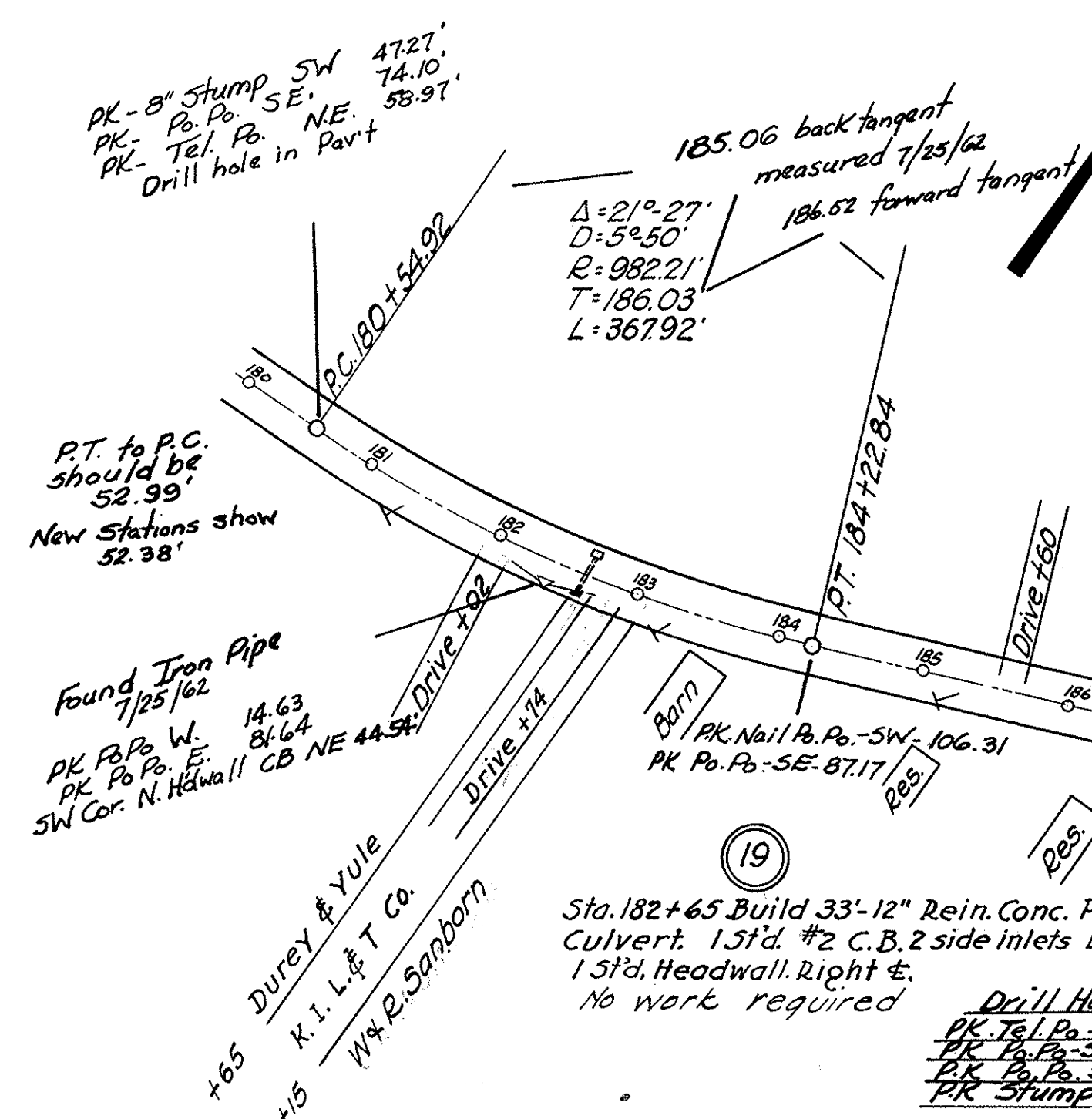
Exc. Emb. +15%  
238 Cu. Yds.  
256 Cu. Yds.  
294 Cu. Yds.  
Borrow 56 Cu. Yds.

Exc. Emb. +15%  
699 Cu. Yds.  
559 Cu. Yds.  
643 Cu. Yds.  
Waste 56 Cu. Yds.

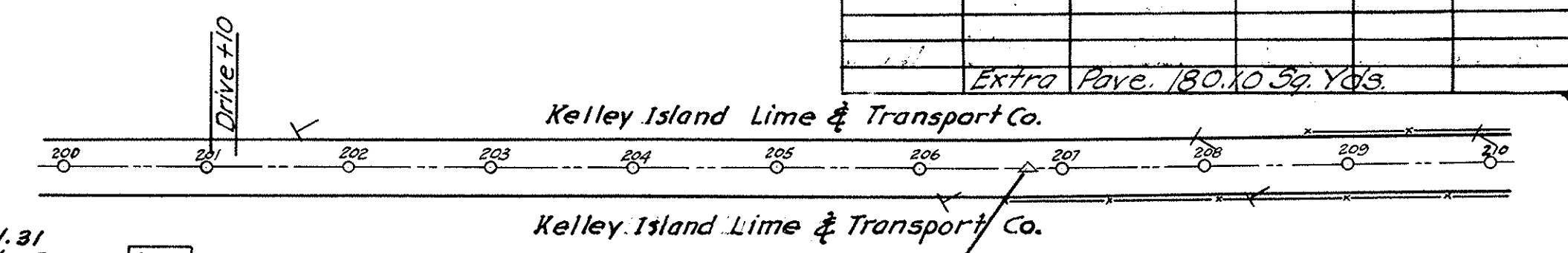
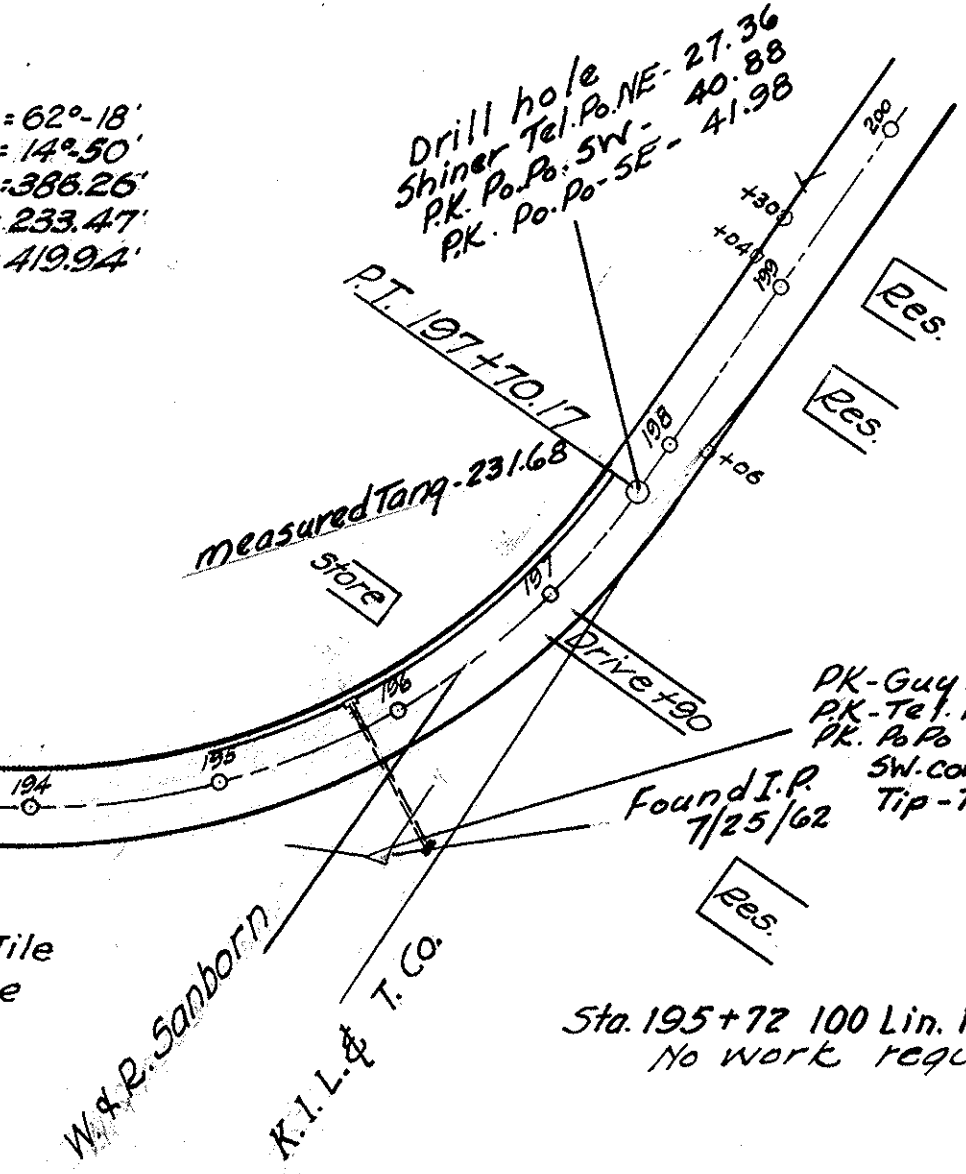
RC. 180+54.92		D=5°50'		P.T. 184+22.84	
LEFT	CENTERLINE	RIGHT	LEFT	CENTERLINE	RIGHT
Edge of Pavement	Width	Station	Grade Ele.	Width	Edge of Pavement
623.00	9.99	180+29.92	623.08	9.00	623.00
622.78	10.28	+54.92	622.86	9.00	623.15
622.50	10.87	+79.92	622.58	9.00	623.30
622.29	11.13	181+0	622.37	9.00	623.42
622.22	11.15	+04.92	622.30	9.00	623.45
621.74	11.15	+50	621.82	9.00	622.97
621.18	11.15	182+0	621.26	9.00	622.41
620.63	11.15	+50	620.71	9.00	621.86
620.39	11.15	+75	620.47	9.00	621.62
620.25	11.15	183+0	620.33	9.00	621.48
620.22	11.15	+25	620.30	9.00	621.45
620.29	11.15	+50	620.37	9.00	621.52
620.39	11.15	+72.84	620.47	9.00	621.62
620.50	10.86	+97.84	620.58	9.00	621.53
620.51	10.84	184+0	620.59	9.00	621.52
620.61	10.26	+22.84	620.69	9.00	621.43
620.72	9.68	+47.84	620.80	9.00	621.34
620.83	9.29	+72.84	620.91	9.00	621.24
620.94	9.08	+97.84	621.02	9.00	621.15
620.95	9.07	185+0	621.03	9.00	621.14
621.05	9.00	+22.84	621.13	9.00	621.05

RC. 186+68.38		D=8°		P.T. 187+42.88	
LEFT	CENTERLINE	RIGHT	LEFT	CENTERLINE	RIGHT
Edge of Pavement	Width	Station	Grade Ele.	Width	Edge of Pavement
621.22	9.00	185+68.38	621.30	9.00	621.22
621.21	9.10	+93.38	621.29	9.00	621.27
621.19	9.13	186+0	621.27	9.00	621.29
621.09	9.37	+18.38	621.17	9.00	621.33
620.87	9.84	+43.38	620.95	9.00	621.38
620.77	10.55	+68.38	620.65	9.00	621.43
620.76	11.21	+93.38	620.34	9.00	621.49
620.18	11.28	187+0	620.26	9.00	621.50
619.96	11.21	+17.88	620.04	9.00	621.12
619.66	10.55	+42.88	619.74	9.00	620.58
619.36	9.84	+67.88	619.44	9.00	620.05
619.05	9.37	+92.88	619.13	9.00	619.52
618.97	9.27	188+0	619.05	9.00	619.37
618.75	9.10	+17.88	618.83	9.00	618.98
618.45	9.00	+42.88	618.53	9.00	618.45

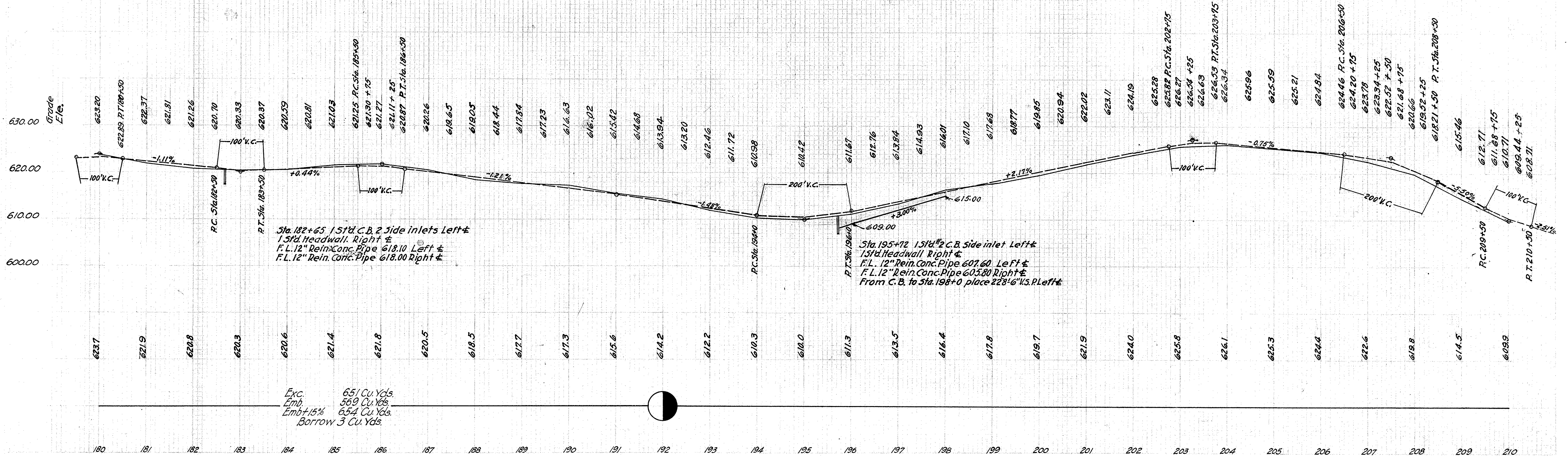
RC. 193+50.23		D=14°50'		P.T. 197+70.17	
LEFT	CENTERLINE	RIGHT	LEFT	CENTERLINE	RIGHT
Edge of Pavement	Width	Station	Grade Ele.	Width	Edge of Pavement
613.12	9.00	192+50.23	613.20	9.00	613.12
612.75	9.16	+75.23	612.83	9.00	613.02
612.38	9.61	193+00.23	612.46	9.00	612.92
612.01	10.37	+25.23	612.09	9.00	612.82
611.64	11.43	+50.23	611.72	9.00	612.72
611.27	12.34	+75.23	611.35	9.00	612.62
610.90	12.67	194+00.23	610.98	9.00	612.52
610.25	12.67	+50	610.33	9.00	612.87
610.34	12.67	195+00	610.42	9.00	612.96
610.60	12.67	+50	610.68	9.00	612.22
611.59	12.67	196+00	611.67	9.00	613.21
612.68	12.67	+50	612.76	9.00	614.30
613.76	12.67	197+00	613.84	9.00	615.38
614.20	12.67	+20.17	614.28	9.00	615.82
614.74	12.34	+45.17	614.82	9.00	616.09
615.28	11.48	+70.17	615.36	9.00	616.36
615.83	10.37	+95.17	615.91	9.00	616.63
616.23	9.10	198+00	616.01	9.00	616.68
616.37	9.61	+20.17	616.45	9.00	616.90
616.91	9.16	+45.17	616.99	9.00	617.17
617.45	9.00	+70.17	617.53	9.00	617.45



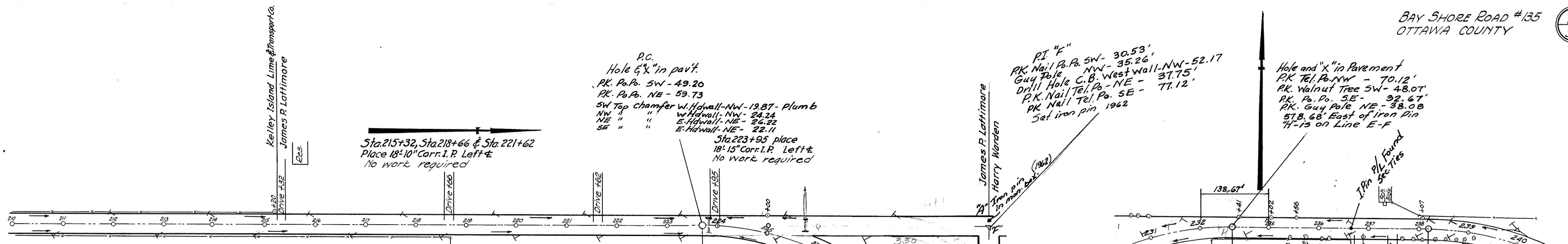
Kelley Island Lime & Transport Co.



- B.M. Sta. 181+30 R.R. Spk. in Power Pole R. & Ele. 621.17
- B.M. Sta. 185+75 R.R. Spk. in Chestnut L & Ele. 624.21
- B.M. Sta. 189+30 R.R. Spk. in Elm L & Ele. 620.59
- B.M. Sta. 193+70 R.R. Spk. in Ash L & Ele. 614.59
- B.M. Sta. 197+0 R.R. Spk. in Ash R. & Ele. 612.02
- B.M. Sta. 200+40 R.R. Spk. SW. Cor. Barn R. & Ele. 618.61
- B.M. Sta. 205+0 + in Ledge thru Rock Cut R. & Ele. 626.05
- B.M. Sta. 209+30 R.R. Spk. in Tel. Pole R. & Ele. 618.57



Exc. 651 Cu. Yds.  
Emb. 569 Cu. Yds.  
Emb+15% 654 Cu. Yds.  
Borrow 3 Cu. Yds.



P.C. 223+69.79	D=10° P.T. 232+65.79 Back 234+27.12 Ahead	CENTER LINE		RIGHT	
		Station	Grade/Elev.		
583.25	9.00	222+69.79	583.53	9.00	583.25
583.44	9.00	+94.79	583.28	9.11	583.20
583.48	9.00	223+0	583.27	9.16	583.19
583.63	9.00	+19.79	583.23	9.44	583.15
583.82	9.00	+44.79	583.18	9.59	583.10
584.01	9.00	+69.79	583.14	10.81	583.06
584.20	9.00	+94.79	583.08	11.54	583.01
584.24	9.00	224+0	583.08	11.64	583.00
584.38	9.00	+19.79	583.04	11.83	582.96
584.33	9.00	+50	582.99	11.83	582.91
584.14	9.00	225+0	582.89	11.83	582.81
584.04	9.00	+50	582.80	11.83	582.72
584.04	9.00	+25	582.70	11.83	582.62
584.14	9.00	+50	582.50	11.83	582.72
584.33	9.00	+75	582.29	11.83	582.91
584.63	9.00	227+0	582.29	11.83	583.21
585.31	9.00	+50	583.97	11.83	583.89
585.98	9.00	228+0	584.64	11.83	584.56
586.66	9.00	+50	585.32	11.83	585.24
587.33	9.00	229+0	585.99	11.83	585.91
588.01	9.00	+50	586.67	11.83	586.59
588.68	9.00	230+0	587.34	11.83	587.26
589.36	9.00	+50	588.02	11.83	587.94
589.78	9.00	+75	588.44	11.83	588.36
590.34	9.00	231+0	588.90	11.83	588.92
591.06	9.00	+50	589.22	11.83	589.64
591.93	9.00	232+0	590.59	11.83	590.51
592.84	9.00	+50	592.40	11.83	592.42
594.44	9.00	+15.79	593.10	11.83	593.02
595.15	9.00	+40.79	594.03	11.54	593.97
595.86	9.00	+65.79	595.01	10.81	594.93
596.58	9.00	234+27.12	595.96	9.99	595.88
597.29	9.00	+77.12	596.81	9.44	596.83
598.01	9.00	235+27.12	597.87	9.11	597.79
598.74	9.00	+27.12	598.82	9.00	598.74

NOTE:- Grade line shown is crown of finish pavement.

Kelley Island Lime & Transport Co.

(21) Sta. 223+84 Take up present 24" Corr. I.P. Replace with 40"-24" Rein. Conc. Pipe Culvert. 2 Sid. Headwalls. No work required

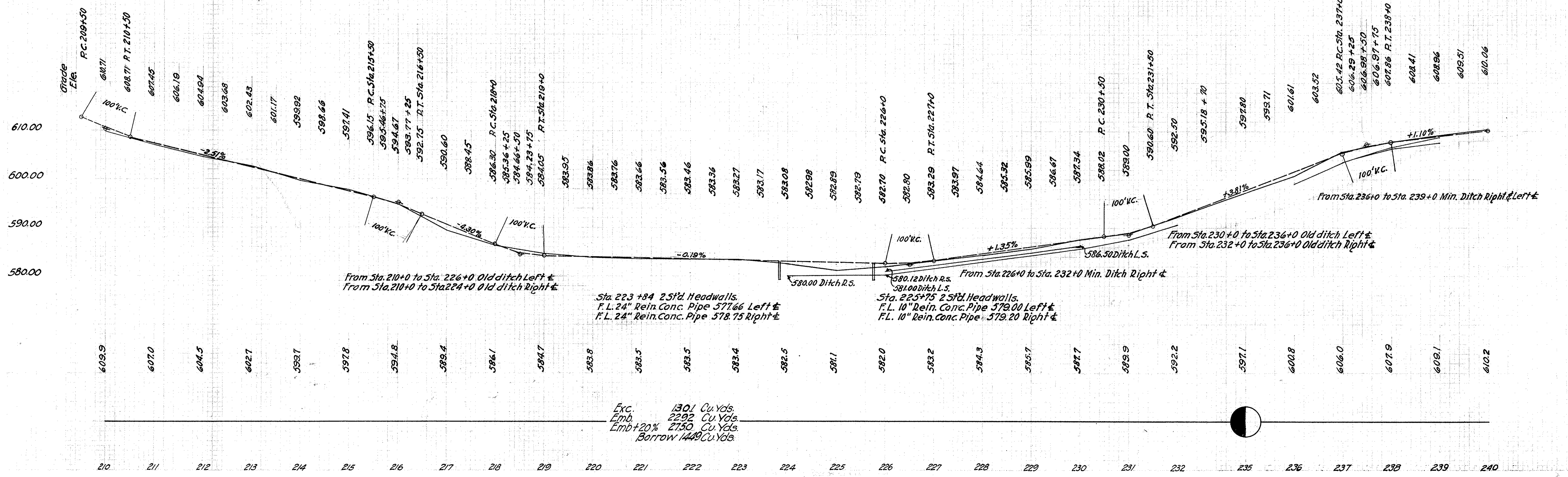
(22) Sta. 225+75 build 33"-10" Rein. Conc. Pipe Culvert. 2 Sid. Headwalls. No work required

EQUATION  
Sta. 232+65.79 Back = Sta. 234+27.12 Ahead  
Deduct 161.33'

"B" I. Pin is 0.1' South of Line "E-F"  
I. Pin in pavement  
PK Oak tree - NE - 27.42  
PK Oak " - SW - 23.81  
Sec. old Ties  
A - B = 823.64'  
(L.A. Schultz - 824'-1/2" pg. 31)

"B" Old Ties - 1960  
PK Nail Tel. Po. NW - 31.5'  
PK Nail Tel. Po. NW - SW cor. old school - NE - 71.67  
stone foundation - SW cor. old school - SW - 37.00  
stone foundation - SW cor. old school - SW - 37.00

B.M. Sta. 210+80 R.R. Spk. in Tel. Pole R. E. Ele. 607.32  
 B.M. Sta. 214+80 R.R. Spk. in Tel. Pole R. E. Ele. 598.53  
 B.M. Sta. 218+60 R.R. Spk. in Tel. Pole R. E. Ele. 587.25  
 B.M. Sta. 223+40 R.R. Spk. in Tel. Pole R. E. Ele. 584.18  
 B.M. Sta. 226+90 R.R. Spk. Tel. Pole R. E. Ele. 583.56  
 B.M. Sta. 232+60 R.R. Spk. Oak L E. Ele. 589.44  
 B.M. Sta. 235+95 + Boulder in Field L E. Ele. 599.74  
 B.M. Sta. 240+40 R.R. Spk. in Ash R. E. Ele. 600.65



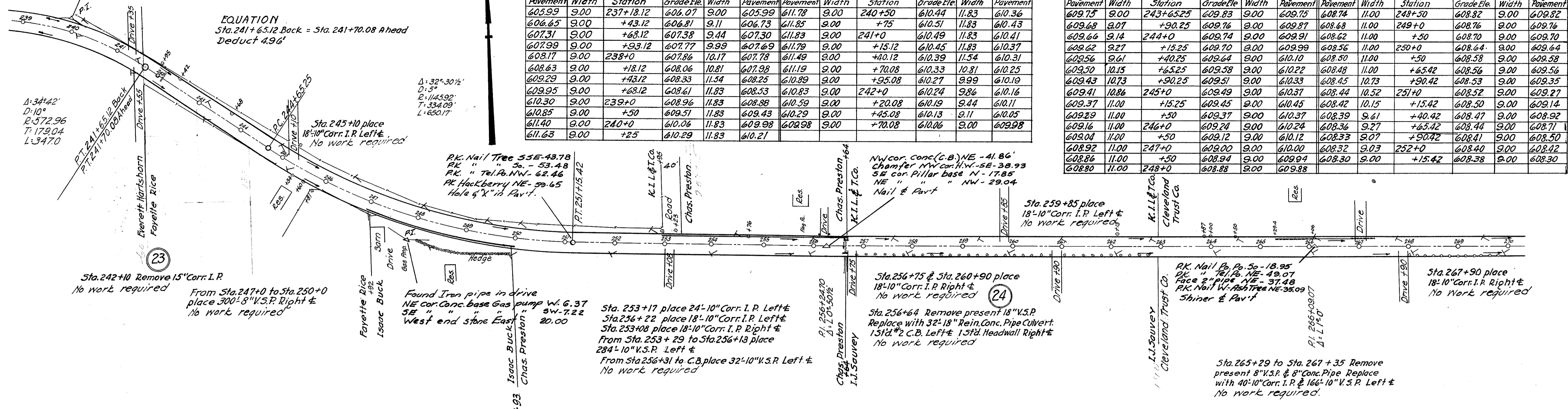
Exc. 1301 Cu. Yds.  
Emb. 2292 Cu. Yds.  
Emb+20% 2750 Cu. Yds.  
Borrow 1449 Cu. Yds.

PK Nail Tel. Po. East - 72.48'  
PK " Walnut NW - 20.42'  
R.R. Spike Tree SE - 65.86'  
Found Iron Pipe

EQUATION  
Sta. 241 + 65.12 Back = Sta. 241 + 70.08 Ahead  
Deduct 4.96'

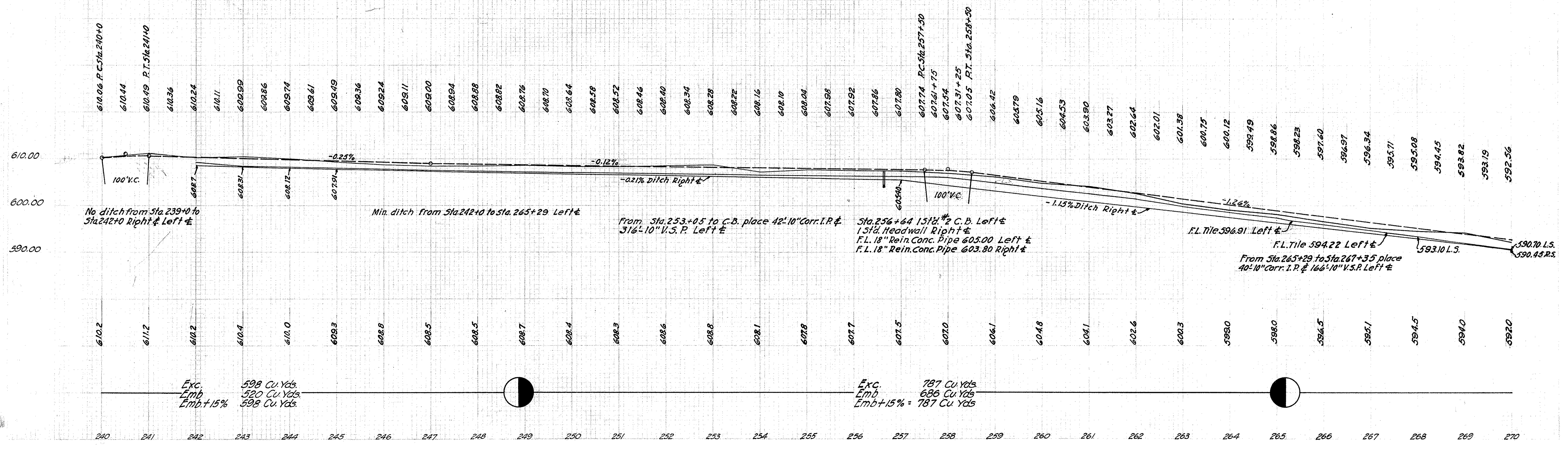
P.C. 238 + 18.12				D = 10°				P.T. 241 + 65.12 Back. 241 + 70.08 Ahead.			
LEFT		CENTER LINE		RIGHT		LEFT		CENTER LINE		RIGHT	
Edge of Pavement	Width	Station	Grade Ele.	Width	Edge of Pavement	Edge of Pavement	Width	Station	Grade Ele.	Width	Edge of Pavement
605.99	9.00	237+18.12	606.07	9.00	605.99	611.78	9.00	240+50	610.44	11.83	610.36
606.65	9.00	+43.12	606.81	9.11	606.73	611.85	9.00	+75	610.51	11.83	610.43
607.31	9.00	+68.12	607.38	9.44	607.30	611.83	9.00	241+0	610.49	11.83	610.41
607.99	9.00	+93.12	607.77	9.99	607.69	611.79	9.00	+15.12	610.45	11.83	610.37
608.17	9.00	238+0	607.86	10.17	607.78	611.49	9.00	+40.12	610.39	11.54	610.31
608.63	9.00	+18.12	608.06	10.81	607.98	611.19	9.00	+70.08	610.33	10.81	610.25
609.29	9.00	+43.12	608.33	11.54	608.25	610.89	9.00	+95.08	610.27	9.99	610.19
609.95	9.00	+68.12	608.61	11.83	608.53	610.83	9.00	242+0	610.24	9.86	610.16
610.30	9.00	239+0	608.96	11.83	608.88	610.59	9.00	+20.08	610.19	9.44	610.11
610.85	9.00	+50	609.51	11.83	609.43	610.29	9.00	+45.08	610.13	9.11	610.05
611.40	9.00	240+0	610.06	11.83	609.98	609.98	9.00	+70.08	610.06	9.00	609.98
611.63	9.00	+25	610.29	11.83	610.21						

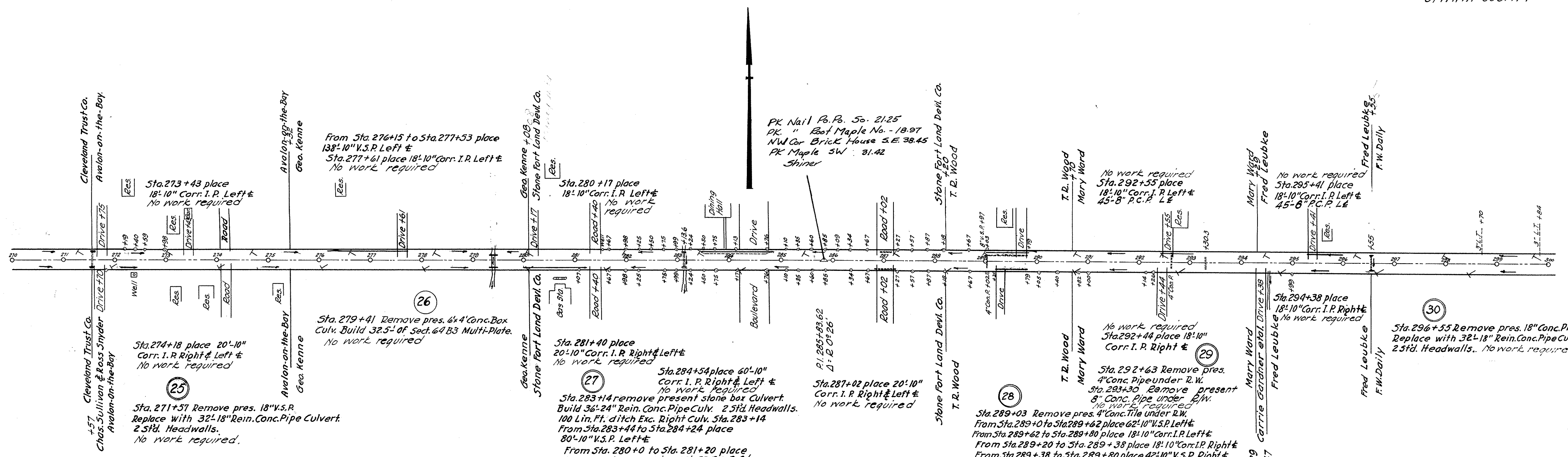
P.C. 244 + 65.25				D = 5°				P.T. 251 + 15.42			
LEFT		CENTER LINE		RIGHT		LEFT		CENTER LINE		RIGHT	
Edge of Pavement	Width	Station	Grade Ele.	Width	Edge of Pavement	Edge of Pavement	Width	Station	Grade Ele.	Width	Edge of Pavement
609.75	9.00	243+65.25	609.83	9.00	609.75	608.74	11.00	243+50	608.82	9.00	609.82
609.68	9.04	+90.25	609.76	9.00	609.87	608.68	11.00	249+0	608.76	9.00	609.76
609.66	9.14	244+0	609.74	9.00	609.91	608.62	11.00	+50	608.70	9.00	609.70
609.62	9.27	+15.25	609.70	9.00	609.99	608.56	11.00	250+0	608.64	9.00	609.64
609.56	9.61	+40.25	609.64	9.00	610.10	608.50	11.00	+50	608.58	9.00	609.58
609.50	10.15	+65.25	609.58	9.00	610.22	608.48	11.00	+65.42	608.56	9.00	609.56
609.43	10.73	+90.25	609.51	9.00	610.33	608.45	10.73	+90.42	608.53	9.00	609.35
609.41	10.86	245+0	609.49	9.00	610.37	608.44	10.52	251+0	608.52	9.00	609.27
609.37	11.00	+15.25	609.45	9.00	610.45	608.42	10.15	+15.42	608.50	9.00	609.14
609.29	11.00	+50	609.37	9.00	610.37	608.39	9.61	+40.42	608.47	9.00	608.92
609.16	11.00	246+0	609.24	9.00	610.24	608.36	9.27	+65.42	608.44	9.00	608.71
609.04	11.00	+50	609.12	9.00	610.12	608.33	9.07	+90.42	608.41	9.00	608.50
608.92	11.00	247+0	609.00	9.00	610.00	608.32	9.03	252+0	608.40	9.00	608.42
608.86	11.00	+50	608.94	9.00	609.94	608.30	9.00	+15.42	608.38	9.00	608.30
608.80	11.00	248+0	608.88	9.00	609.88						



NOTE:-Grade line shown is crown of finish pavement.

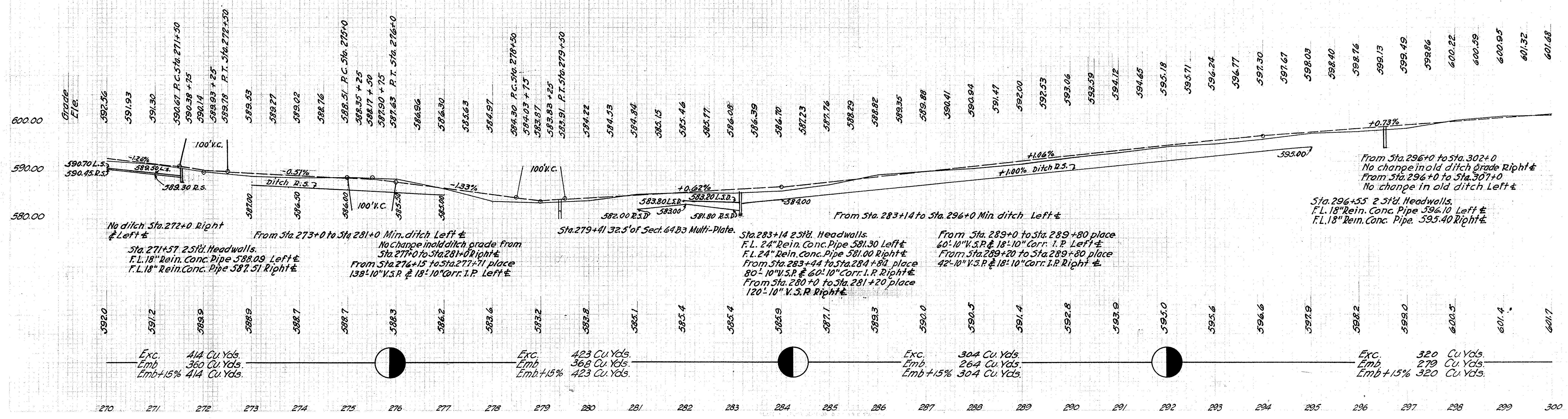
B.M. Sta. 245+30 R.R. Spk. in Elm L & Ele. 610.94	B.M. Sta. 248+0 + N.E. Cor. Gulf Gas Pump R. & Ele. 607.33	B.M. Sta. 251+90 R.R. Spk. in Pr. Pole R. & Ele. 608.49	B.M. Sta. 255+75 + S.E. Cor. Bot. Front Step Rock Lawn Ele. 609.49	B.M. Sta. 262+50 + S.E. Cor. Cem. Conc. L & Ele. 605.42	B.M. Sta. 264+70 R.R. Spk. in Cherry R. & Ele. 598.15	B.M. Sta. 269+30 R.R. Spk. in Tel. Pole L & Ele. 592.48
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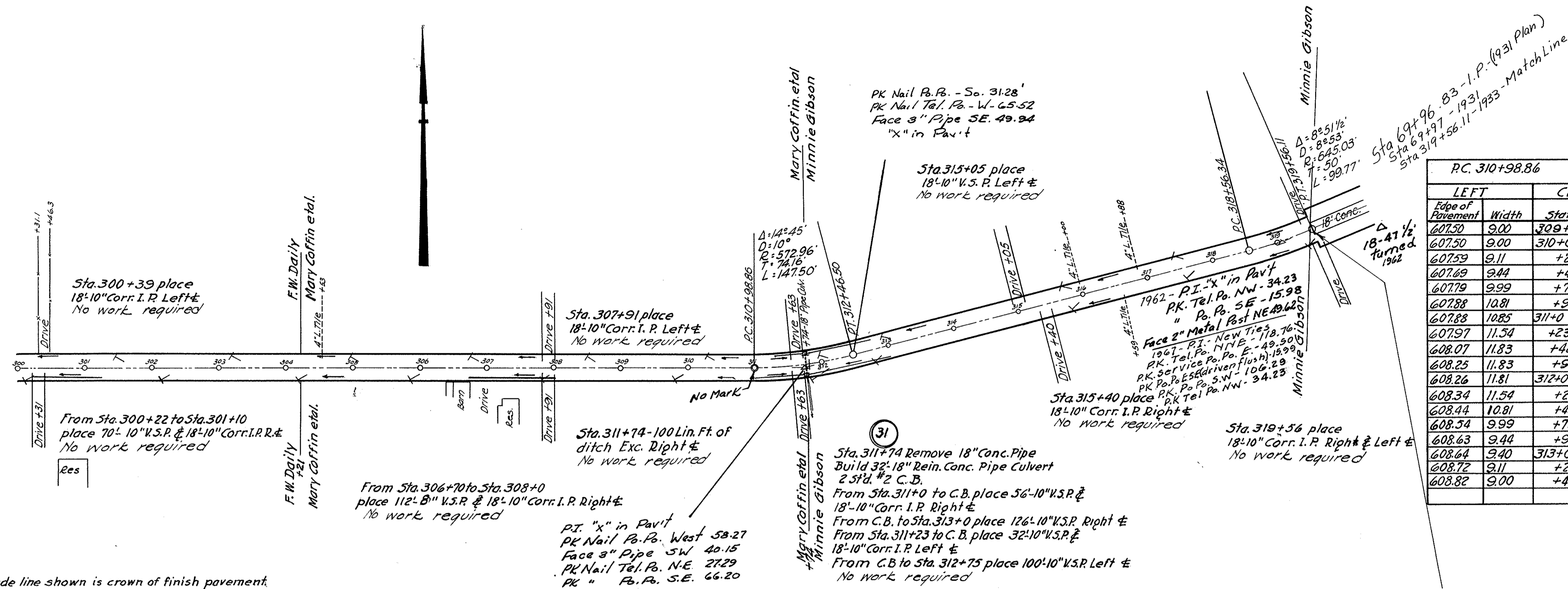




NOTE: Grade line shown is crown of finish pavement.

B.M. Sta. 272+20 R.R. Spk. in Maple R. & Ele. 591.44	B.M. Sta. 277+70 R.R. Spk. in Cherry Stp. R. & Ele. 585.13	B.M. Sta. 281+70 R.R. Spk. in Cherry L. & Ele. 588.05	B.M. Sta. 284+0 + S.E. Cor. of Walk Old Jk. Ft. Ele. 586.41	B.M. Sta. 288+20 R.R. Spk. in Pr. Pole R. & Ele. 589.13	B.M. Sta. 292+70 R.R. Spk. in Pr. Pole R. & Ele. 594.92	B.M. Sta. 296+0 R.R. Spk. in Cedar R. & Ele. 599.06
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LEFT		CENTER LINE			RIGHT	
Edge of Pavement	Width	Station	Grade Ele.	Width	Edge of Pavement	
607.50	9.00	309+98.86	607.58	9.00	607.50	
607.50	9.00	310+0	607.58	9.00	607.52	
607.59	9.11	+23.86	607.67	9.00	607.83	
607.69	9.44	+48.86	607.77	9.00	608.16	
607.79	9.99	+73.86	607.87	9.00	608.49	
607.88	10.81	+98.86	607.96	9.00	608.82	
607.88	10.85	311+0	607.96	9.00	608.84	
607.97	11.54	+23.86	608.05	9.00	609.15	
608.07	11.83	+48.86	608.15	9.00	609.49	
608.25	11.83	+96.50	608.33	9.00	609.67	
608.26	11.81	312+0	608.34	9.00	609.65	
608.34	11.54	+21.50	608.42	9.00	609.53	
608.44	10.81	+46.50	608.52	9.00	609.39	
608.54	9.99	+71.50	608.62	9.00	609.25	
608.63	9.44	+96.50	608.71	9.00	609.11	
608.64	9.40	313+0	608.72	9.00	609.09	
608.72	9.11	+21.50	608.80	9.00	609.97	
608.82	9.00	+46.50	608.90	9.00	608.82	

LEFT		CENTER LINE			RIGHT	
Edge of Pavement	Width	Station	Grade Ele.	Width	Edge of Pavement	
609.15	9.00	317+46.34	609.23	9.00	609.15	
609.12	9.11	+71.34	609.20	9.00	609.12	
609.09	9.41	+96.34	609.17	9.00	609.09	
609.09	9.49	318+0	609.17	9.00	609.09	
609.06	9.92	+21.34	609.14	9.00	609.06	
609.04	10.68	+46.34	609.12	9.00	609.04	
609.01	11.38	+71.34	609.09	9.00	609.01	
608.98	11.67	+96.34	609.06	9.00	608.98	
608.98	11.67	319+0	609.06	9.00	608.98	
608.97	11.67	+06.11	609.05	9.00	608.97	
608.94	11.38	+31.11	609.02	9.00	608.94	
608.92	10.68	+56.11	609.00	9.00	608.92	
	9.92	+8.11		9.00		
	9.41	+06.11		9.00		

NOTE: Grade line shown is crown of finish pavement.

- B.M. Sta. 301+10  
R.R. Spk. in Root of Thorne R. &  
Ele. 602.47
- B.M. Sta. 304+20  
R.R. Spk. in Stump R. &  
Ele. 604.59
- B.M. Sta. 308+90  
R.R. Spk. in Peach R. &  
Ele. 607.12
- B.M. Sta. 311+85  
R.R. Spk. in Pr. Pole R. &  
Ele. 606.83
- B.M. Sta. 315+40  
R.R. Spk. in Tel. Pole R. &  
Ele. 609.52
- B.M. Sta. 319+20  
+S.W. Cor. End Conc. Rd.  
Ele. 608.93

