

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

FED. RD. DIST. NO.	STATE	FED. AID PROJECT YEAR	FISCAL YEAR
10	OHIO	331	1923

ICH. 457-SEC. B-1 & NAPOLEON.
HENRY COUNTY.

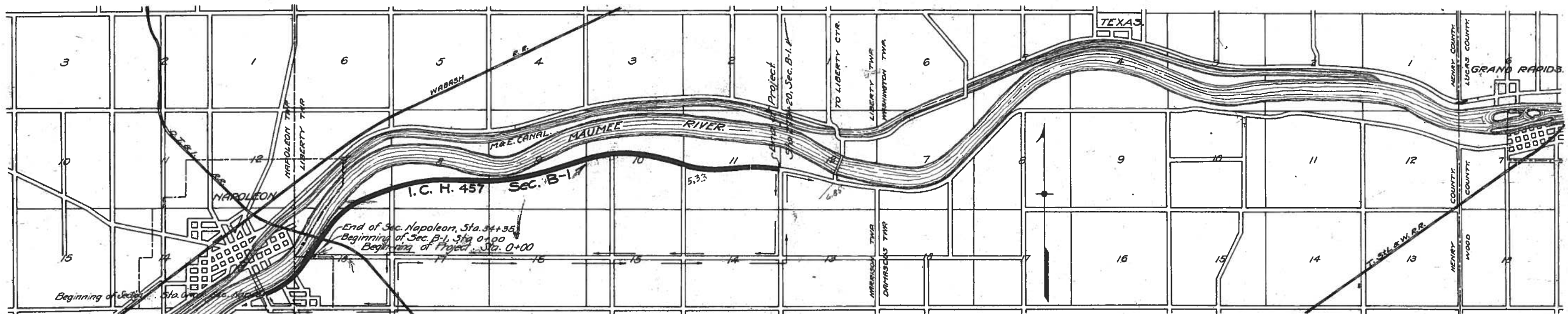
Rec'd
11 25 23
10 2 23

INDEX

Title Page	p. 1.
Typical Cross Section	p. 2.
Plans and Profile Sec. Nap.	p. 3 & 4.
Cross Sections Sec. Nap.	p. 5.
Plans and Profiles, Sec. B-1	p. 6 to 15.
Summary Sheet	p. 16.

TOLEDO-NAPOLEON ROAD
I.G.H. No. 457. SEC. B-1 AND NAPOLEON PET. No. 4019
HENRY COUNTY
HARRISON AND NAPOLEON TOWNSHIPS. JANUARY 1923.
MAIN MARKET ROAD NO. 9.

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

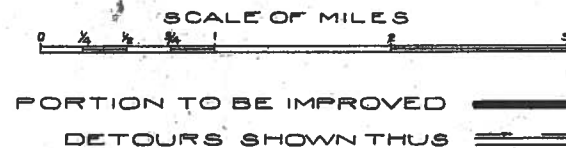


CONVENTIONAL SIGNS

- State line _____
- County line _____
- Township line _____
- Section line _____
- Property line not fenced. _____
- Center line _____
- City or village line _____
- Fence _____
- Telephone or Telegraph TTTTTTT
- Steam railroad _____
- Electric line _____
- Guard Rail _____

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

LOCATION PLAN



We, the Commissioners of Henry 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.

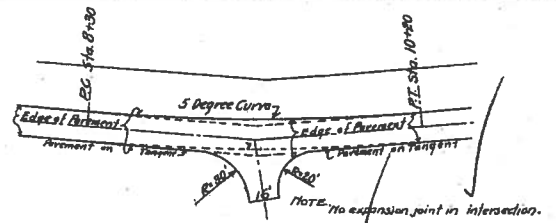
A. B. Jennings
Grant Beam
Charles Stahl
Date, Jan. 30, 1923 County Commissioners.



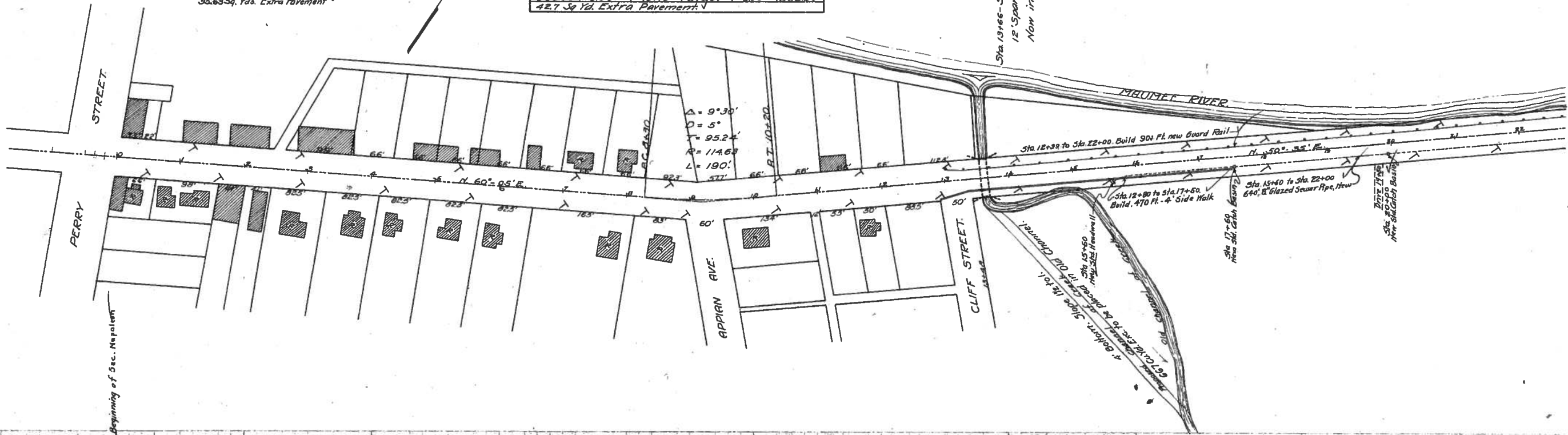
I hereby approve these plans and declare that the making of this improvement will require the closing to traffic of the highway and that detours will be provided as shown on the plan and estimates.

Approved: *R. H. Burdick*
Date, Jan 31-23 Resident Engineer.
Approved: *D. Hubbard*
Date, 1/6/23 Division Engineer.
Approved: *E. J. Hesser*
Date, 4/4/23 State Highway Engineer.
Approved: *Sam C. Hensch*
Date, 4/4/23 Director of Highways & Public Works.
Recommended for Approval: _____
Date, _____ Dist. Eng. Bureau of Public Roads.
Recommended for Approval: _____
Date, _____ Chief Eng. Bureau of Public Roads.
Approved: _____
Date, _____ Chief of Bureau.

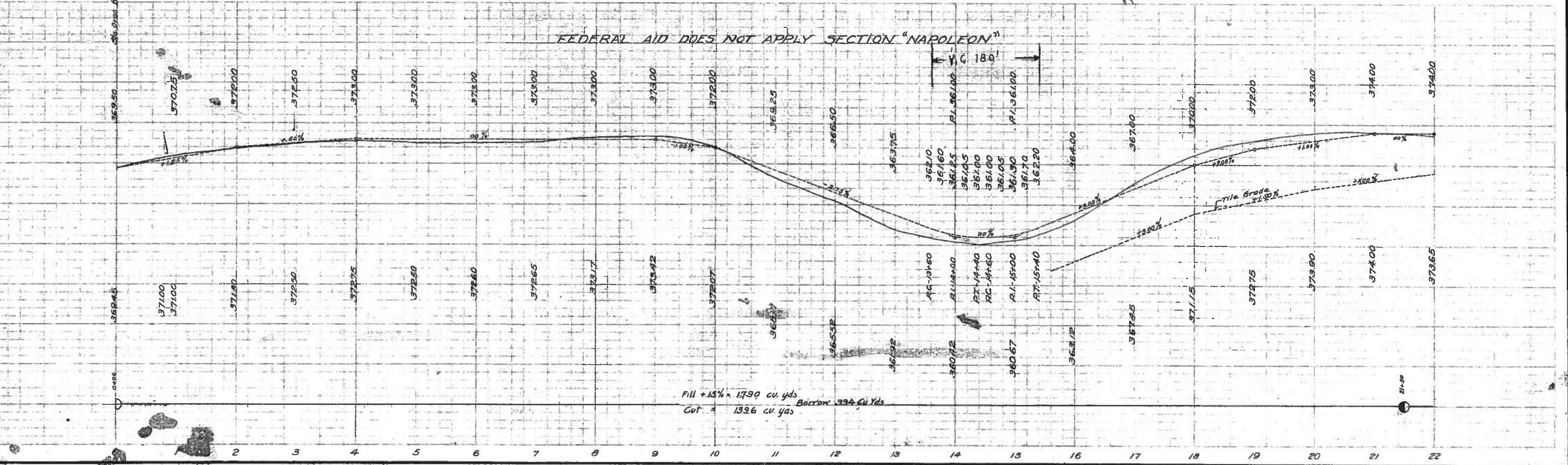
Right				Left			
Edge of Pavement	Width	Station	Grade Ets.	Width	Edge of Pavement	Station	Grade Ets.
372.83	8.00	7+80	373.00	8.00	372.83	7+80	373.00
372.83	8.00	8+05	373.00	8.35	372.83	8+05	373.00
372.83	8.00	8+30	373.00	9.08	372.83	8+30	373.00
372.83	8.00	8+50	373.00	9.73	372.83	8+50	373.00
372.83	8.00	9+00	373.00	10.00	372.83	9+00	373.00
372.59	8.00	9+25	372.75	10.00	372.59	9+25	372.75
372.33	8.00	9+50	372.50	10.00	372.33	9+50	372.50
372.04	8.00	9+75	372.25	10.00	372.04	9+75	372.25
371.83	8.00	10+00	372.00	9.73	371.83	10+00	372.00
371.28	8.00	10+20	371.45	9.08	371.28	10+20	371.45
370.59	8.00	10+46	370.76	8.38	370.59	10+46	370.76
369.90	8.00	10+70	370.07	8.00	369.90	10+70	370.07

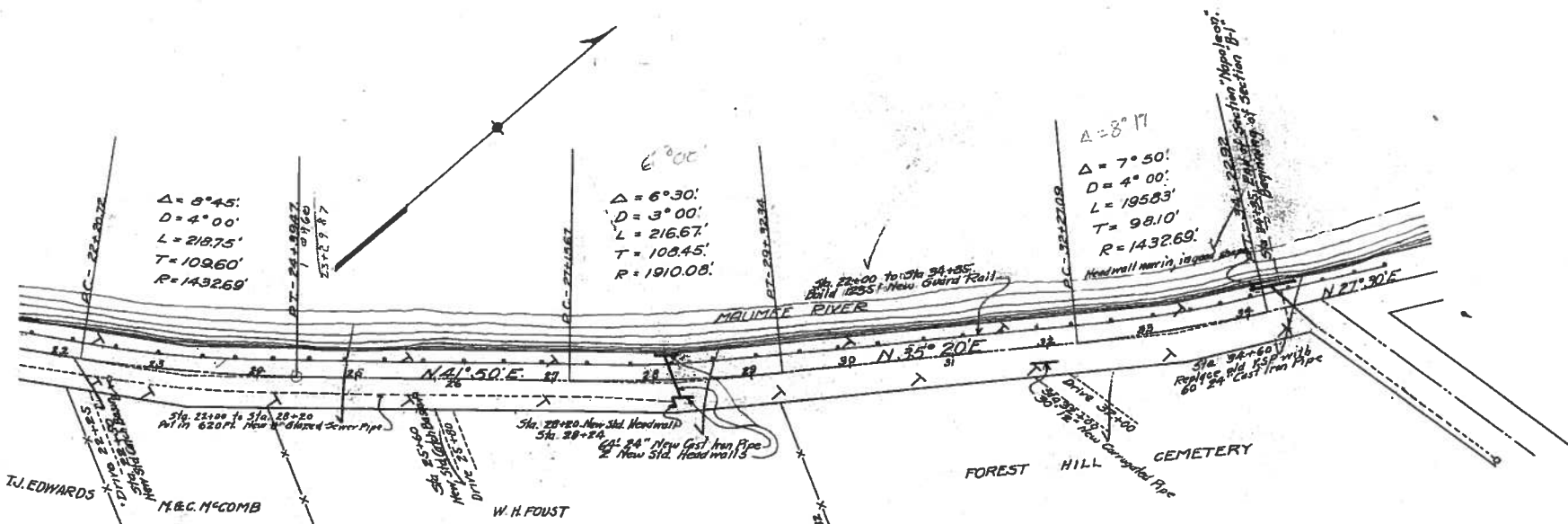


DETAIL OF APPIAN AVE. APPROACH
STA. 9+25
35.63 Sq. Yds. Extra Pavement



FEDERAL AID DOES NOT APPLY SECTION "NAPOLEON"





Left Edge of Pavement	Width	Station	Grade Ele.	Right Edge of Pavement
373.83	8.00	21+70.72	374.00	373.83
373.83	8.00	21+85.72	374.00	374.00
373.83	8.00	22+70.72	374.00	374.17
373.83	8.00	22+55	374.00	374.34
373.83	8.00	22+50	374.00	374.51
373.80	8.00	23+05	373.97	374.48
373.60	8.00	23+30	373.85	374.36
373.55	8.00	23+55	373.72	374.23
373.43	8.00	23+80	373.60	374.11
373.30	8.00	24+05	373.47	373.91
373.13	8.00	24+32.47	373.30	373.47
373.01	8.00	24+64.47	373.18	373.18
372.88	8.00	24+92.47	373.05	372.80

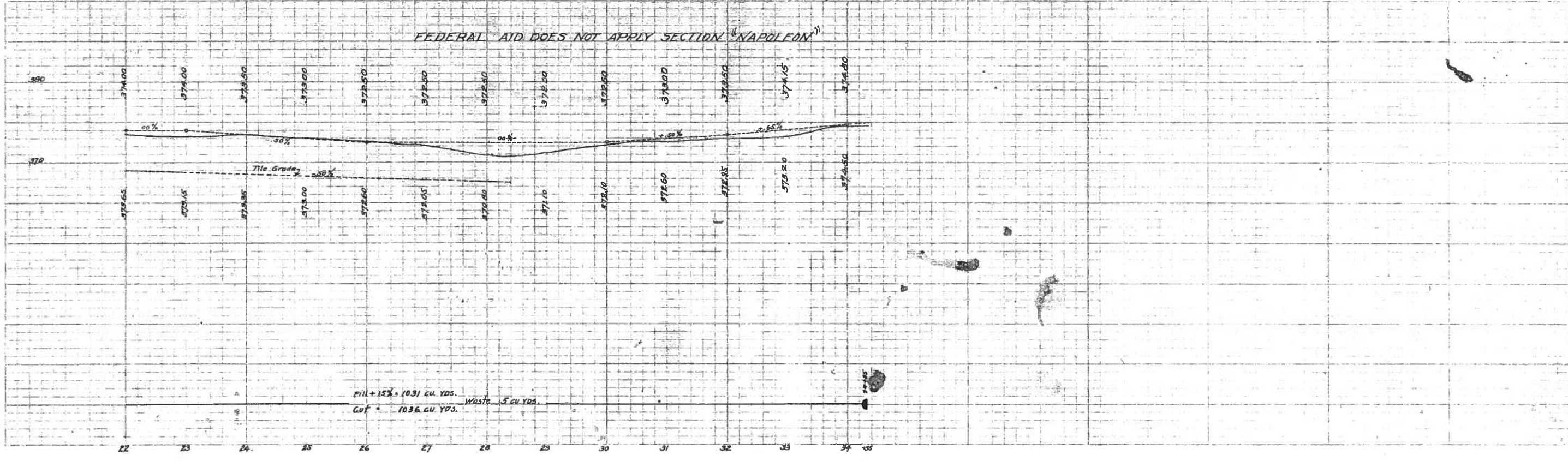
No Extra Pavement.

Left Edge of Pavement	Width	Station	Grade Ele.	Right Edge of Pavement
372.33	8.00	26+65.67	372.50	372.33
372.33	8.00	26+80.67	372.50	372.50
372.33	8.00	27+15.67	372.50	372.58
372.33	8.00	27+50	372.50	372.71
372.33	8.00	27+75	372.50	372.85
372.33	8.00	28+00	372.50	372.85
372.33	8.00	28+25	372.50	372.85
372.33	8.00	28+50	372.50	372.85
372.33	8.00	28+75	372.50	372.85
372.33	8.00	29+00	372.50	372.71
372.33	8.00	29+32.34	372.50	372.58
372.33	8.00	29+57.34	372.50	372.46
372.33	8.00	29+82.34	372.50	372.33

No Extra Pavement.

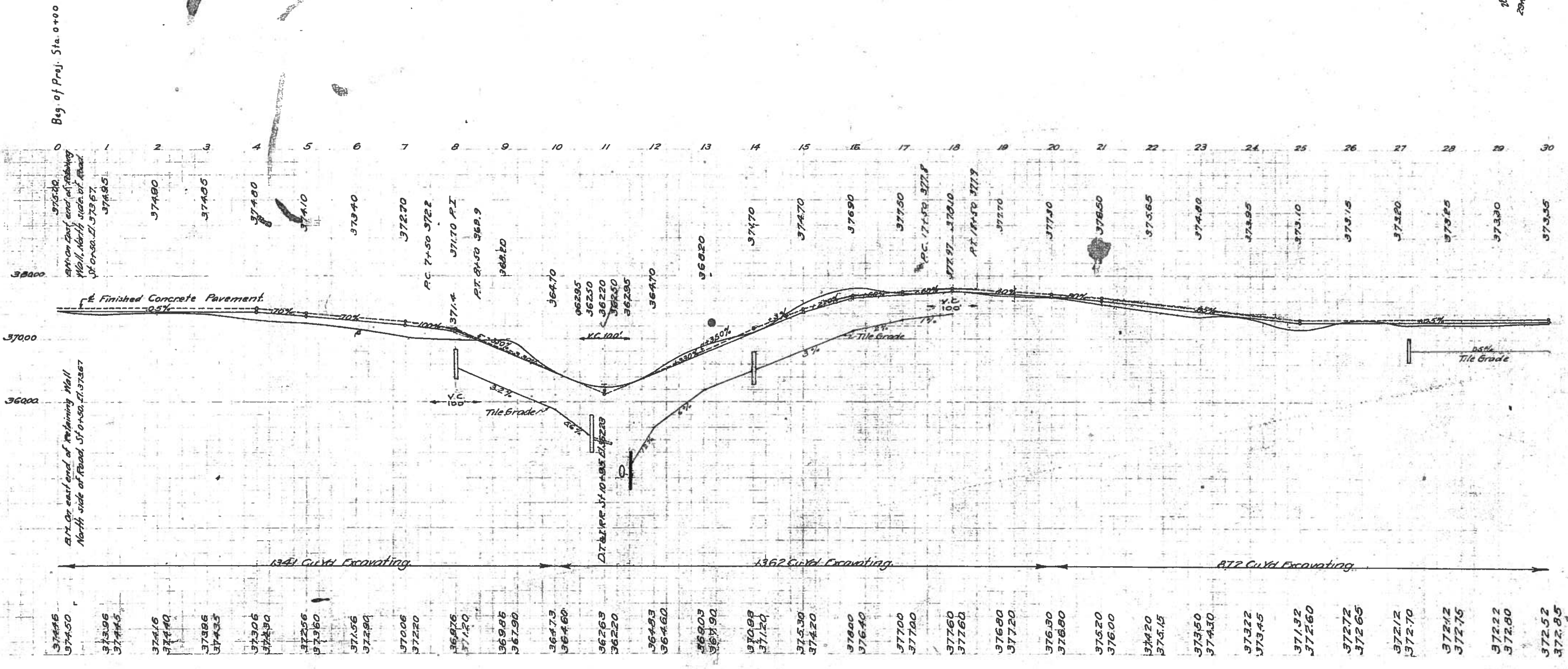
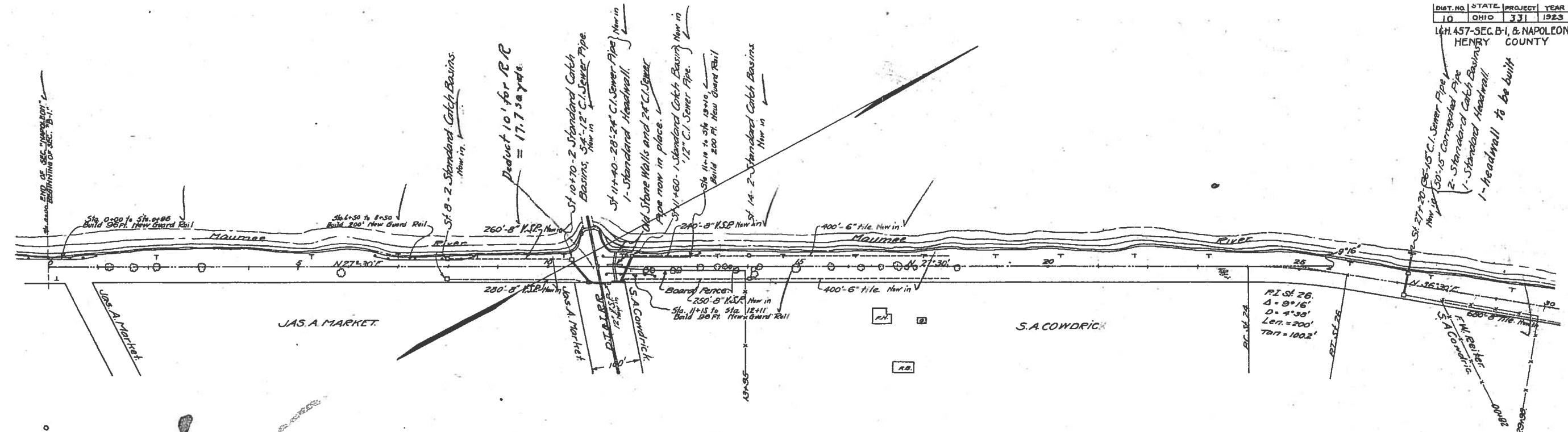
Left Edge of Pavement	Width	Station	Grade Ele.	Right Edge of Pavement
373.22	8.00	31+77.09	373.39	373.22
373.35	8.00	32+02.09	373.52	373.68
373.51	8.00	32+27.09	373.68	374.85
373.62	8.00	32+50	373.83	374.19
373.82	8.00	32+75	373.99	374.50
373.98	8.00	33+00	374.15	374.66
374.14	8.00	33+25	374.31	374.82
374.30	8.00	33+50	374.47	374.90
374.46	8.00	33+75	374.63	375.14
374.63	8.00	34+00	374.80	375.14
374.78	8.00	34+22.92	374.95	375.12
374.94	8.00	34+47.92	375.11	375.11
375.09	8.00	34+72.92	375.26	375.09

No Extra Pavement.



Fill + 15% = 1031 cu yds.
Cut = 1036 cu yds.

L.H. 457-SEC. B-1, & NAPOLEON
HENRY COUNTY



Begin. of Proj. Sta. 0+00

37480
4th on East end of retaining wall
North side of road, Sta. 0+50.01
37485

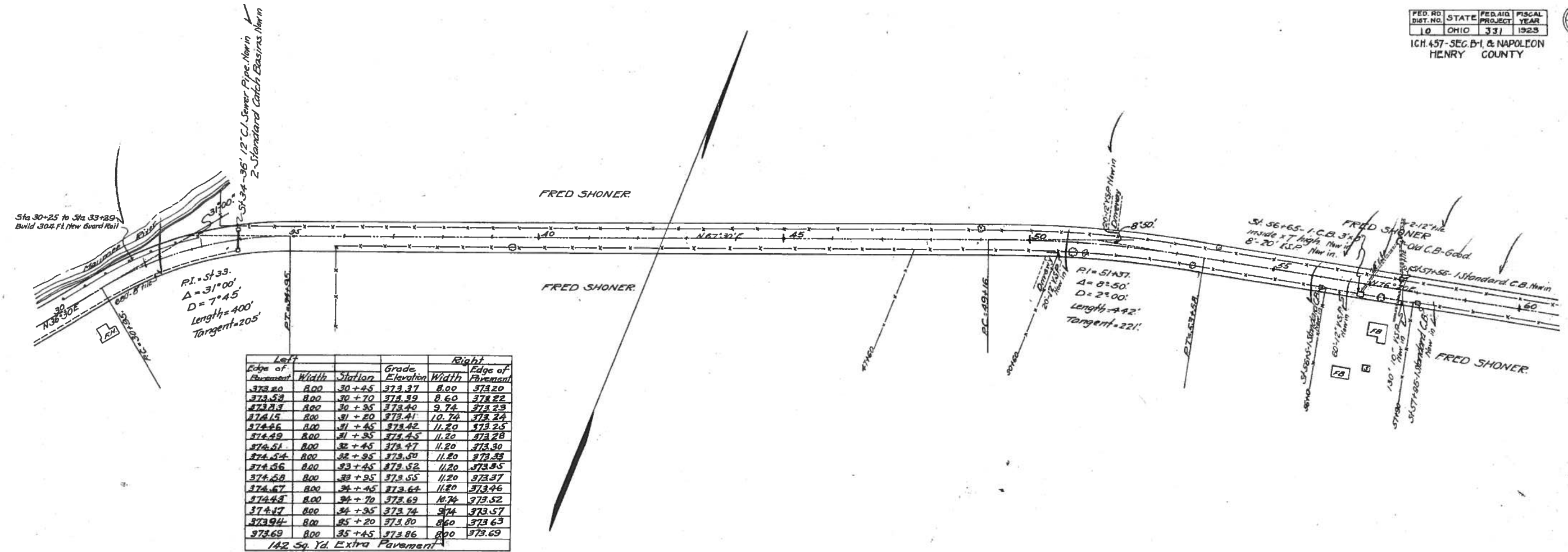
37486
37450
37456
37460
37465
37470
37475
37480
37485
37490
37495
37500
37505
37510
37515
37520
37525
37530
37535
37540
37545
37550
37555
37560
37565
37570
37575
37580
37585
37590
37595
37600
37605
37610
37615
37620
37625
37630
37635
37640
37645
37650
37655
37660
37665
37670
37675
37680
37685
37690
37695
37700
37705
37710
37715
37720
37725
37730
37735
37740
37745
37750
37755
37760
37765
37770
37775
37780
37785
37790
37795
37800
37805
37810
37815
37820
37825
37830
37835
37840
37845
37850
37855
37860
37865
37870
37875
37880
37885
37890
37895
37900
37905
37910
37915
37920
37925
37930
37935
37940
37945
37950
37955
37960
37965
37970
37975
37980
37985
37990
37995
38000

37486
37450
37456
37460
37465
37470
37475
37480
37485
37490
37495
37500
37505
37510
37515
37520
37525
37530
37535
37540
37545
37550
37555
37560
37565
37570
37575
37580
37585
37590
37595
37600
37605
37610
37615
37620
37625
37630
37635
37640
37645
37650
37655
37660
37665
37670
37675
37680
37685
37690
37695
37700
37705
37710
37715
37720
37725
37730
37735
37740
37745
37750
37755
37760
37765
37770
37775
37780
37785
37790
37795
37800
37805
37810
37815
37820
37825
37830
37835
37840
37845
37850
37855
37860
37865
37870
37875
37880
37885
37890
37895
37900
37905
37910
37915
37920
37925
37930
37935
37940
37945
37950
37955
37960
37965
37970
37975
37980
37985
37990
37995
38000

1341 Cu Yd Excavating

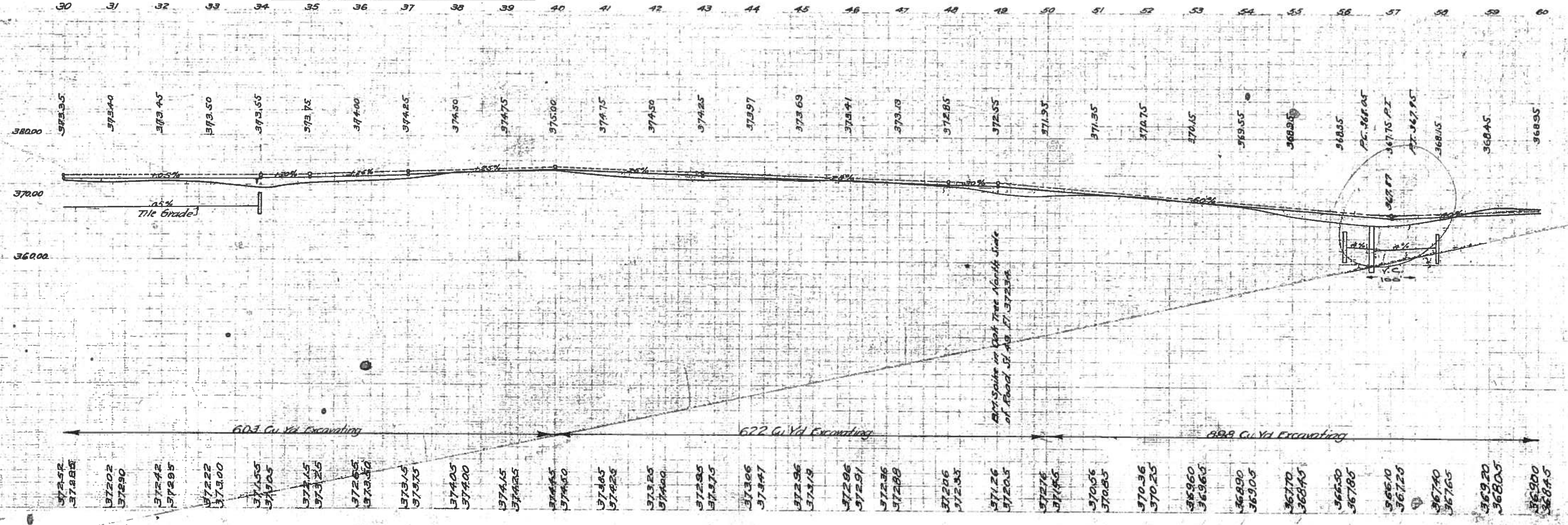
1362 Cu Yd Excavating

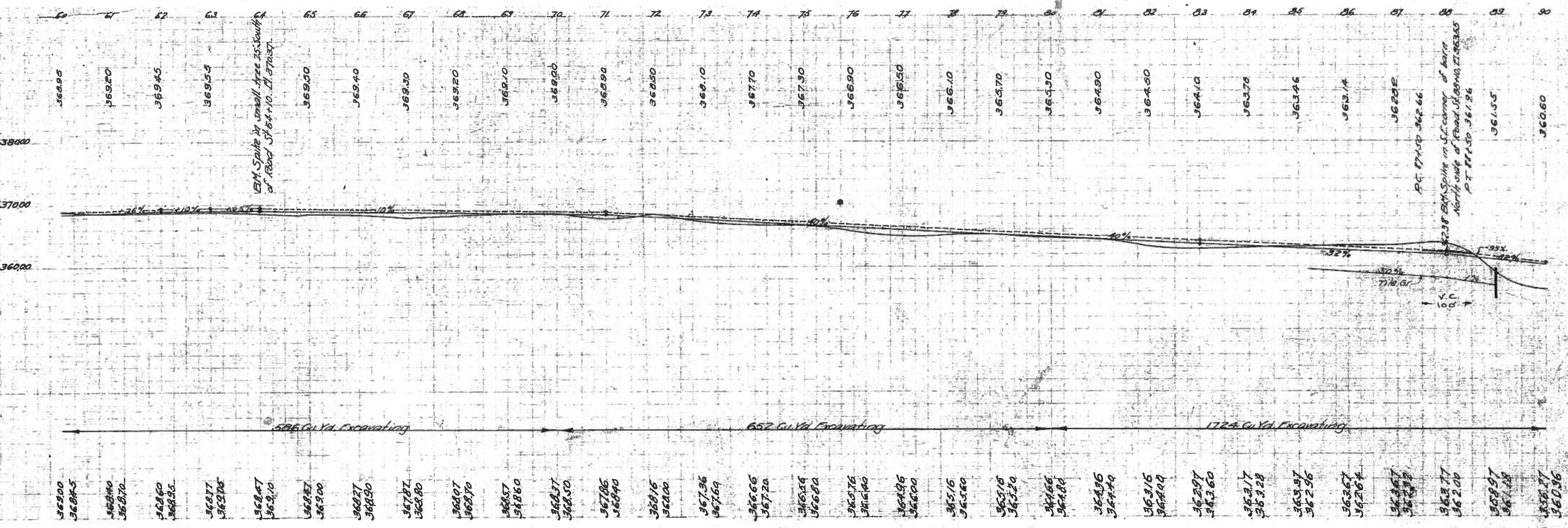
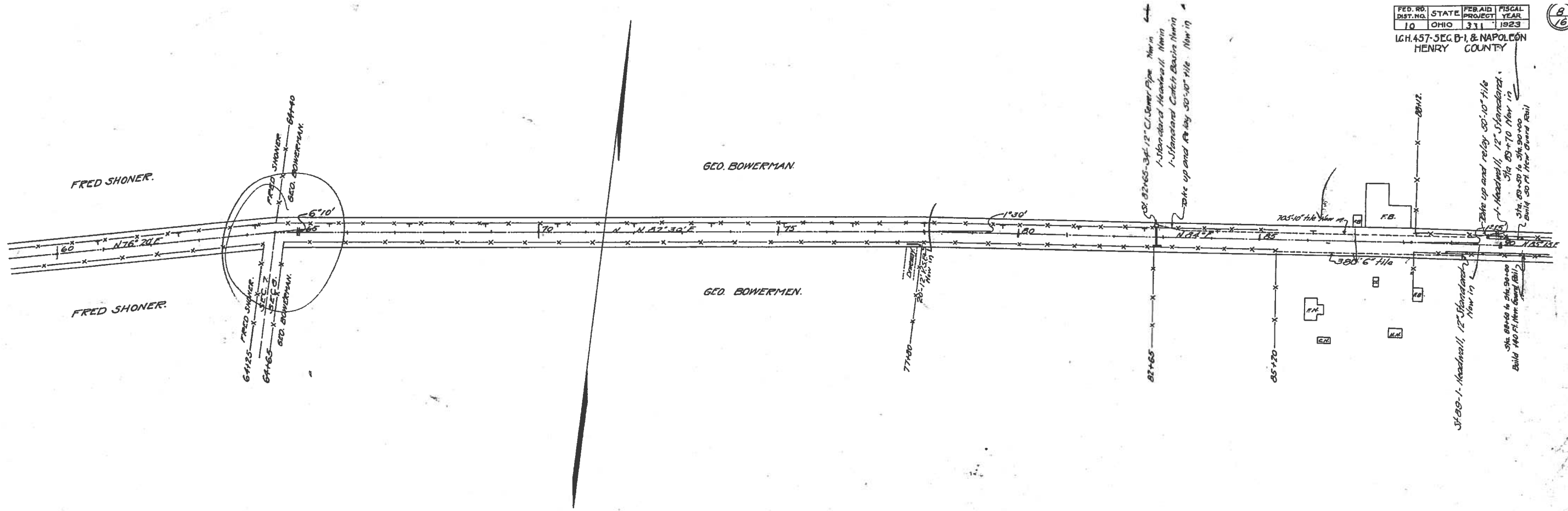
872 Cu Yd Excavating



Left			Right		
Edge of Pavement	Width	Station	Grade	Width	Edge of Pavement
373.80	8.00	30+45	373.37	8.00	373.20
373.53	8.00	30+70	373.39	8.60	373.22
373.27	8.00	30+95	373.40	9.74	373.23
372.15	8.00	31+20	373.41	10.74	373.24
374.46	8.00	31+45	373.42	11.20	373.25
374.49	8.00	31+95	373.45	11.20	373.28
374.51	8.00	32+45	373.47	11.20	373.30
374.54	8.00	32+95	373.50	11.20	373.33
374.56	8.00	33+45	373.52	11.20	373.35
374.58	8.00	33+95	373.55	11.20	373.37
374.67	8.00	34+45	373.64	11.20	373.46
374.43	8.00	34+70	373.69	11.74	373.52
374.47	8.00	34+95	373.74	9.74	373.57
373.94	8.00	35+20	373.80	8.60	373.63
373.69	8.00	35+45	373.86	8.00	373.69

142 Sq. Yd. Extra Pavement





EM Spike in small tree S.S. South of Road St 64+10. I. 77237

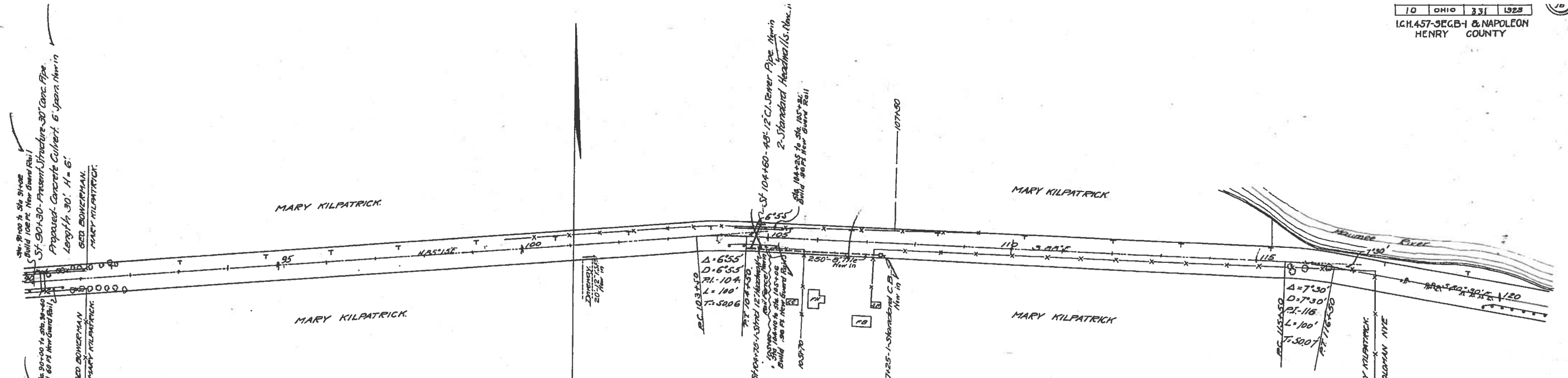
P.C. 81+50 362.66
 P.T. 81+50 361.96
 EM Spike in S.E. corner of barn North side of Road St 80+10. I. 96355

526 Cu Yd Excavating

652 Cu Yd Excavating

1724 Cu Yd Excavating

- 36900
- 36895
- 36890
- 36885
- 36880
- 36875
- 36870
- 36865
- 36860
- 36855
- 36850
- 36845
- 36840
- 36835
- 36830
- 36825
- 36820
- 36815
- 36810
- 36805
- 36800
- 36795
- 36790
- 36785
- 36780
- 36775
- 36770
- 36765
- 36760
- 36755
- 36750
- 36745
- 36740
- 36735
- 36730
- 36725
- 36720
- 36715
- 36710
- 36705
- 36700

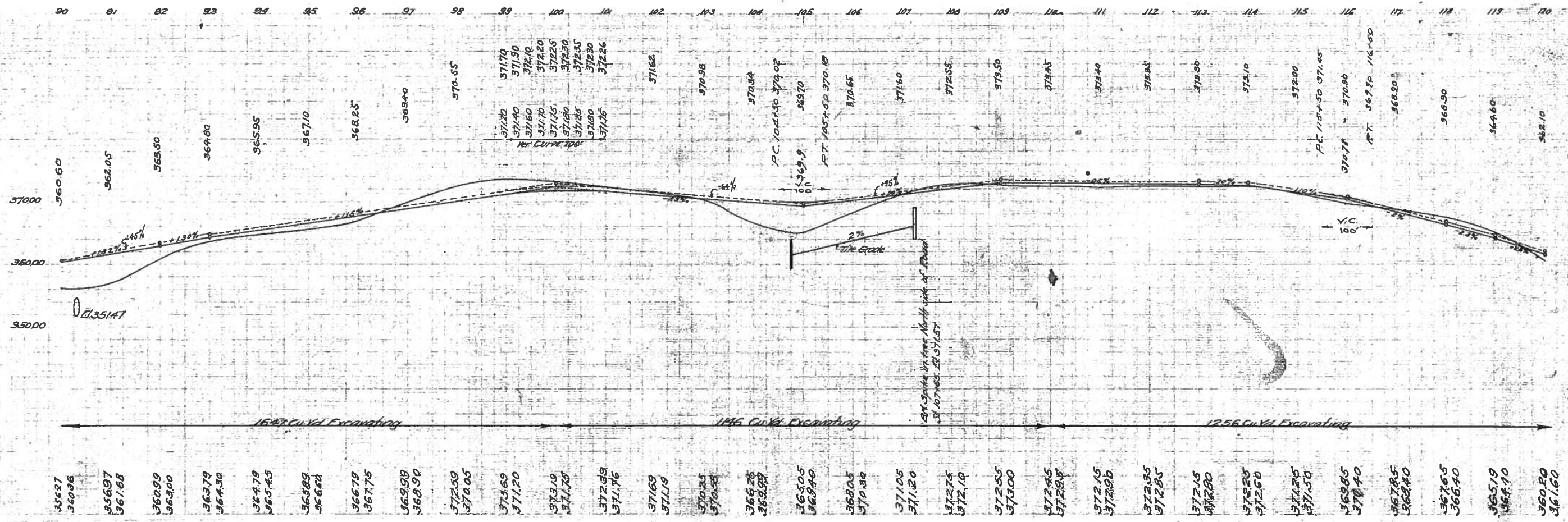


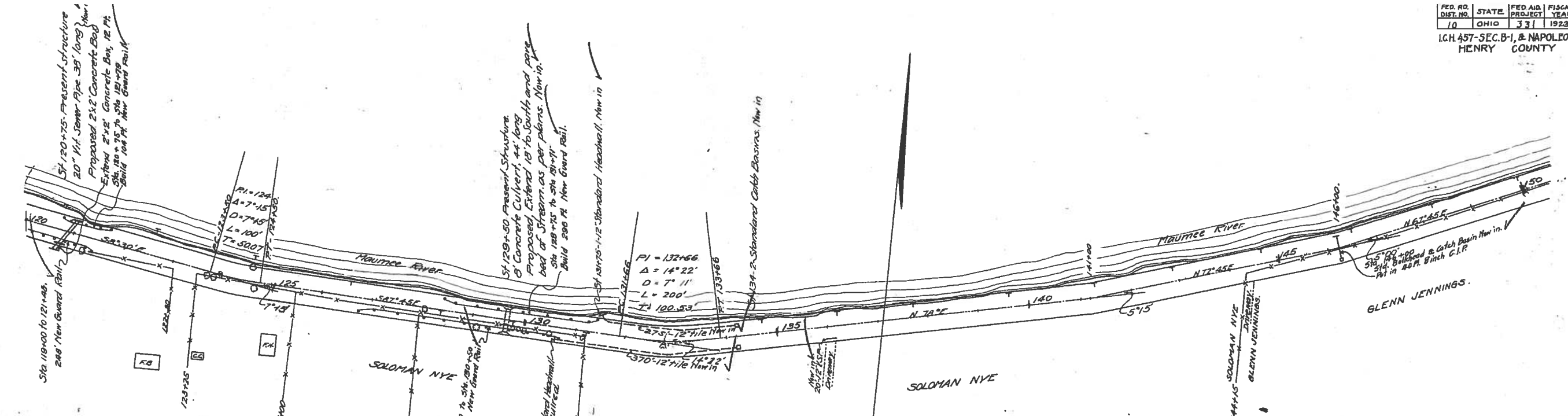
Left			Right		
Edge of Pavement	Width	Station	Grade Elevation	Width	Edge of Pavement
370.81	8.00	103+00	370.85	8.00	370.81
370.85	8.00	103+25	370.88	8.50	370.88
371.00	8.00	103+50	370.66	9.52	370.49
371.22	8.00	103+75	370.50	10.40	370.33
371.35	8.00	104+00	370.34	10.80	370.17
370.90	8.00	104+25	370.18	10.80	370.01
370.44	8.00	104+50	370.02	9.52	369.85
369.99	8.00	104+75	369.86	8.53	369.69
369.53	8.00	105+00	369.70	8.00	369.53

32 Sq. Yds. Extra Pavement

Left			Right		
Edge of Pavement	Width	Station	Grade Elevation	Width	Edge of Pavement
371.83	8.00	115+00	372.00	8.00	371.83
371.86	8.00	115+25	371.73	8.50	371.56
371.87	8.00	115+50	371.45	9.52	371.28
371.80	8.00	115+75	371.18	10.40	371.01
371.81	8.00	116+00	370.80	10.80	370.73
371.12	8.00	116+25	370.40	10.80	370.23
370.32	8.00	116+50	369.70	9.52	369.73
369.53	8.00	116+75	369.40	8.53	369.23
368.73	8.00	117+00	368.90	8.00	368.73

32 Sq. Yds. Extra Pavement



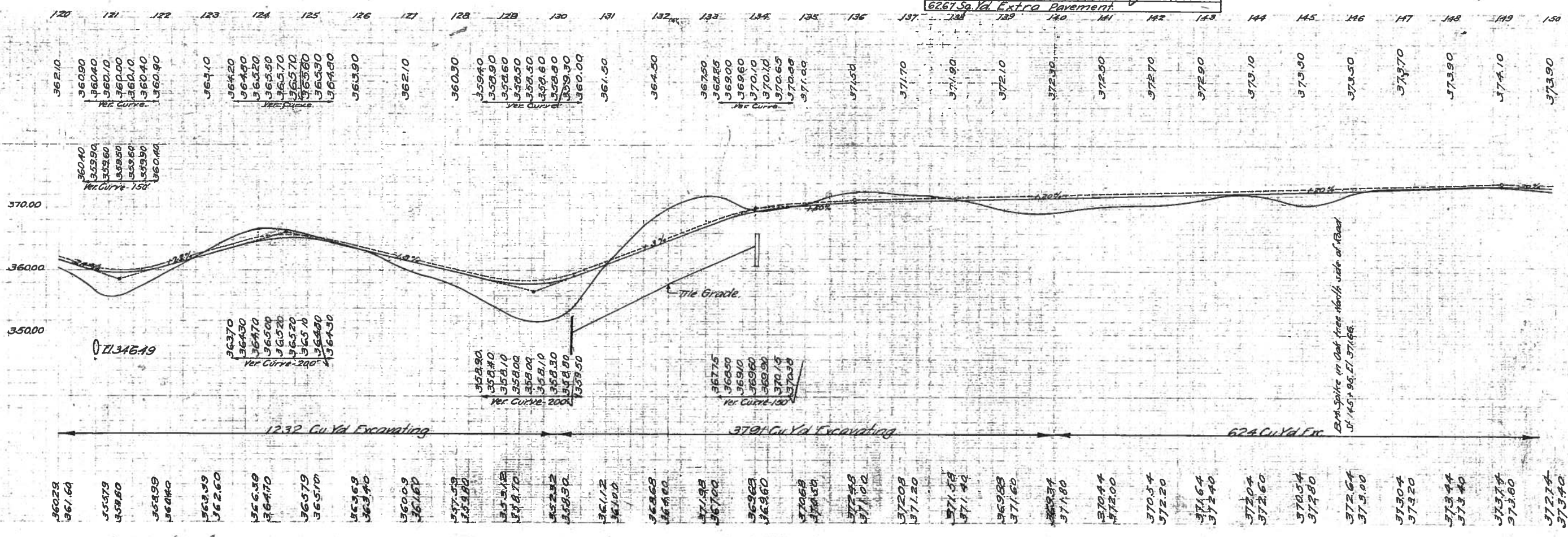


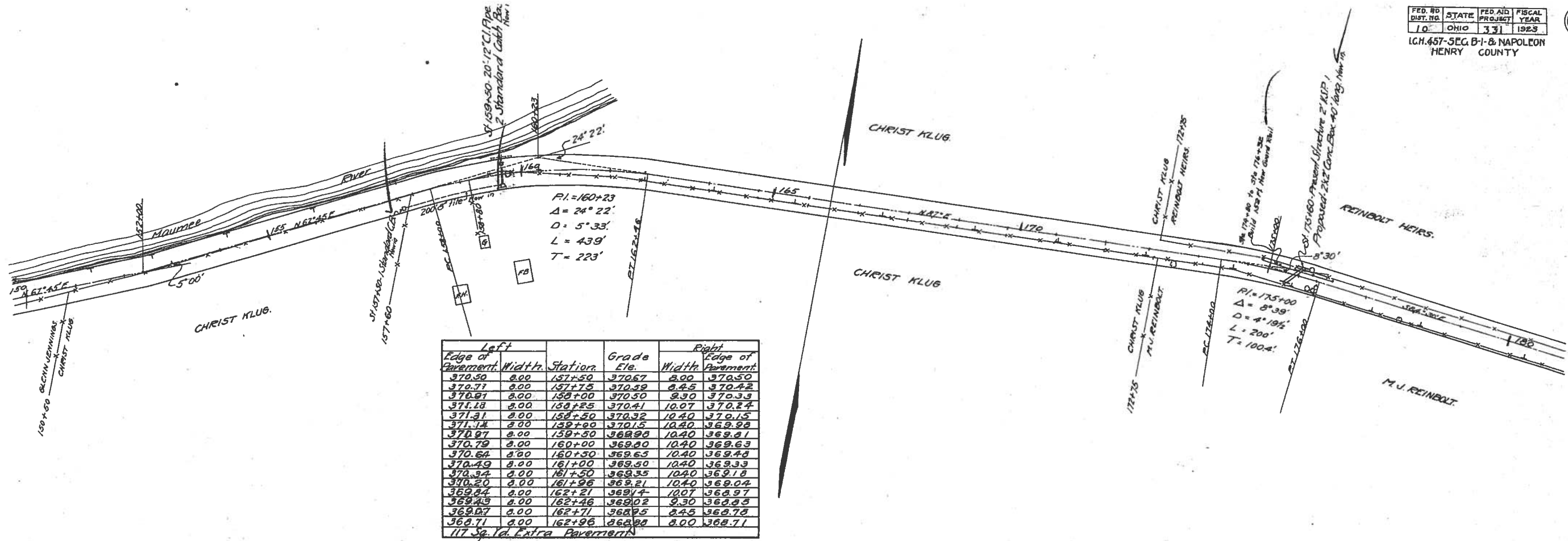
Left Edge of Pavement	Width	Station	Grade	Right Edge of Pavement
362.03	8.00	123+00	363.10	362.83
362.09	8.53	123+25	363.65	363.78
364.03	9.57	123+50	364.20	364.62
364.65	10.40	123+75	364.40	365.82
365.03	10.40	124+00	365.20	366.21
365.33	10.40	124+25	365.30	366.22
365.33	9.32	124+50	365.70	366.12
365.43	8.53	124+75	365.60	365.79
365.13	8.00	125+00	365.30	365.19

32 Sq. Yd. Extra Pavement.

Left Edge of Pavement	Width	Station	Grade	Right Edge of Pavement
361.01	8.00	131+16	361.99	361.81
362.36	8.53	131+41	362.73	362.88
363.31	9.52	131+66	363.40	364.90
364.06	10.40	131+91	364.23	364.95
364.21	10.80	132+16	364.98	366.94
366.31	10.80	132+66	366.48	367.49
367.81	10.80	133+16	367.99	368.99
368.56	10.40	133+41	368.73	368.45
369.21	9.52	133+66	369.39	369.00
369.75	8.53	133+91	369.92	370.05
370.12	8.00	134+16	370.29	370.12

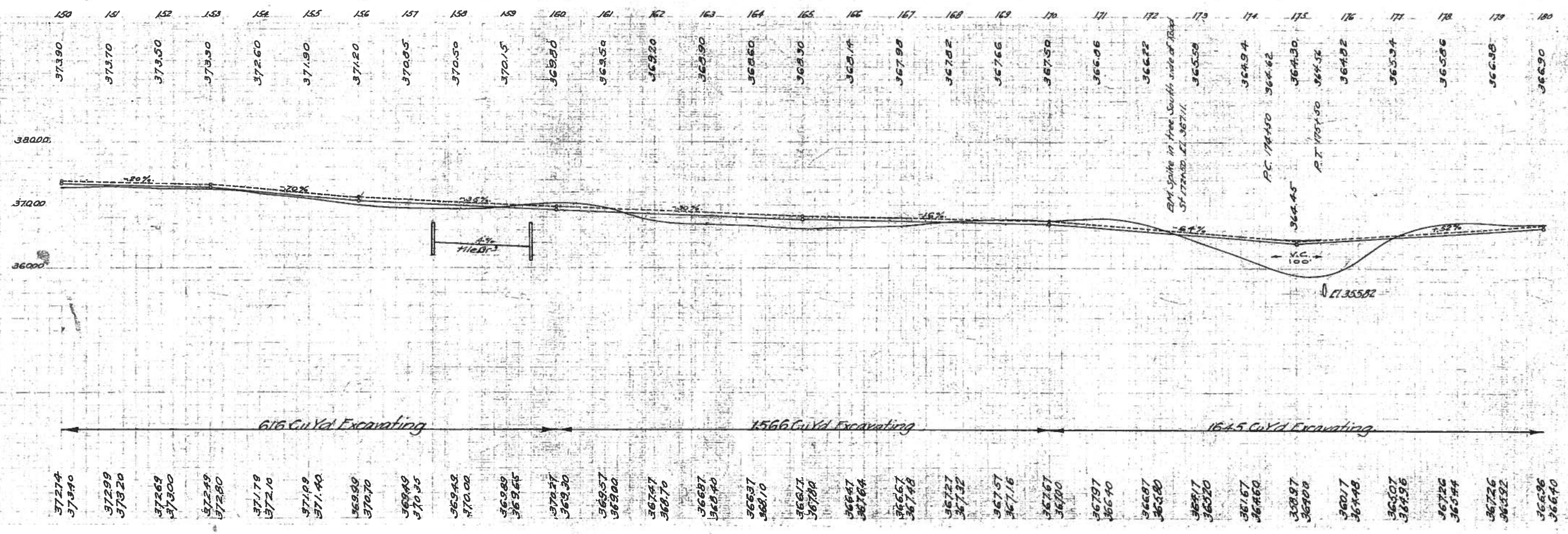
6267 Sq. Yd. Extra Pavement.



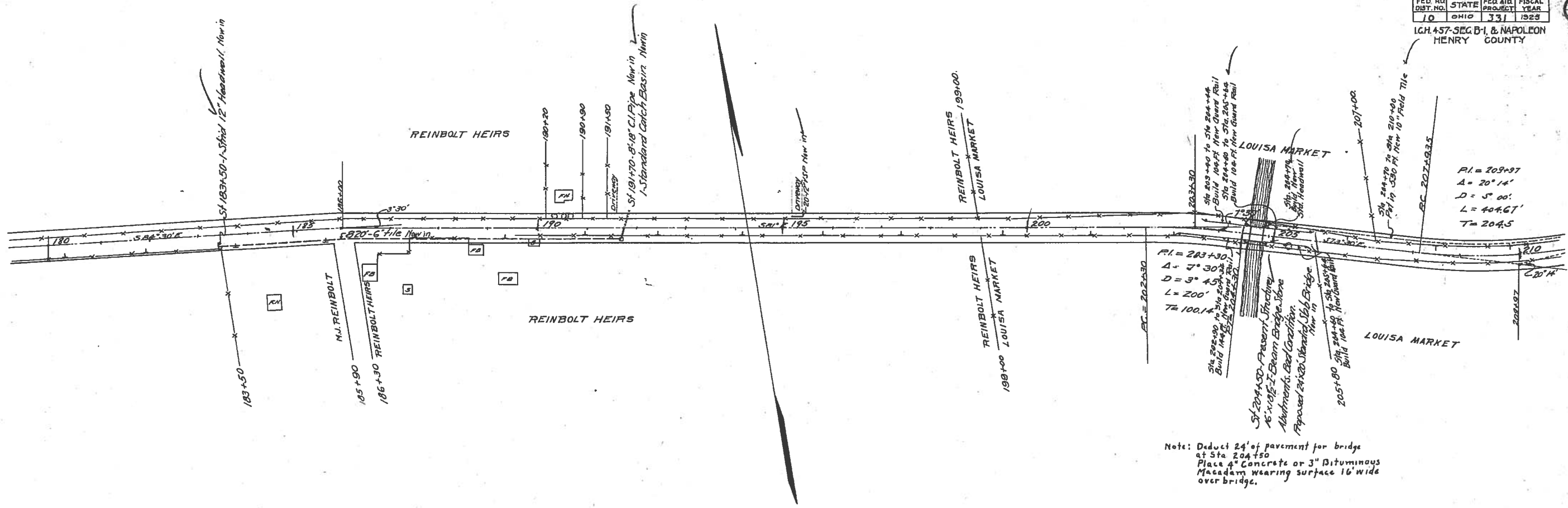


Left		Station	Grade	Right	
Edge of Pavement	Width			Width	Edge of Pavement
370.50	8.00	157+50	370.57	8.00	370.50
370.77	8.00	157+75	370.59	8.45	370.42
370.97	8.00	158+00	370.50	9.30	370.33
371.18	8.00	158+25	370.41	10.07	370.24
371.31	8.00	158+50	370.32	10.40	370.15
371.42	8.00	158+60	370.15	10.40	369.98
370.97	8.00	159+50	369.98	10.40	369.81
370.79	8.00	160+00	369.80	10.40	369.63
370.64	8.00	160+30	369.63	10.40	369.44
370.49	8.00	161+00	369.50	10.40	369.33
370.34	8.00	161+50	369.35	10.40	369.18
370.20	8.00	161+96	369.21	10.40	369.04
369.84	8.00	162+21	369.14	10.07	368.97
369.45	8.00	162+46	369.02	9.30	368.83
369.07	8.00	162+71	368.95	8.45	368.78
368.71	8.00	162+96	368.88	8.00	368.71

117 Sq. Yd. Extra Pavement



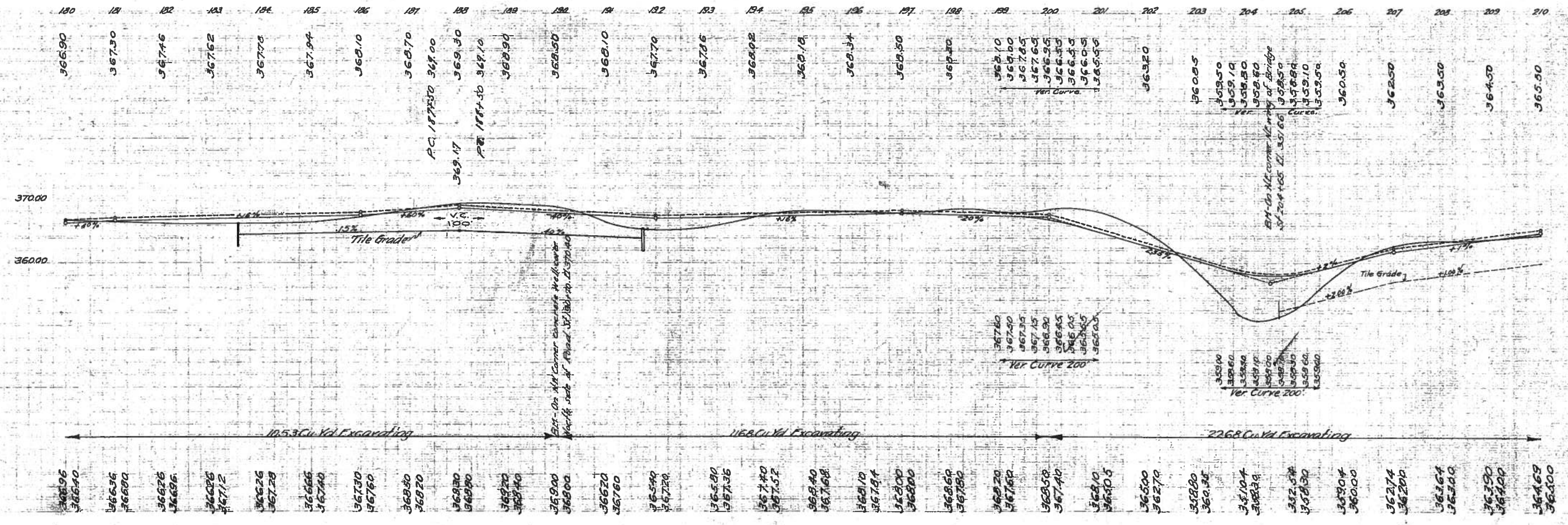
- 37274
- 37340
- 37299
- 37320
- 37269
- 37300
- 37249
- 37280
- 37179
- 37210
- 37199
- 37140
- 36990
- 37070
- 36949
- 37025
- 36949
- 37000
- 36989
- 36925
- 37027
- 36930
- 36957
- 36900
- 36747
- 36870
- 36687
- 36840
- 36637
- 36810
- 36627
- 36780
- 36647
- 36764
- 36657
- 36748
- 36727
- 36732
- 36757
- 36716
- 36767
- 36700
- 36797
- 36640
- 36687
- 36630
- 36817
- 36520
- 36767
- 36460
- 36897
- 36700
- 36017
- 36448
- 36507
- 36496
- 36726
- 36544
- 36726
- 36332
- 36636
- 36640

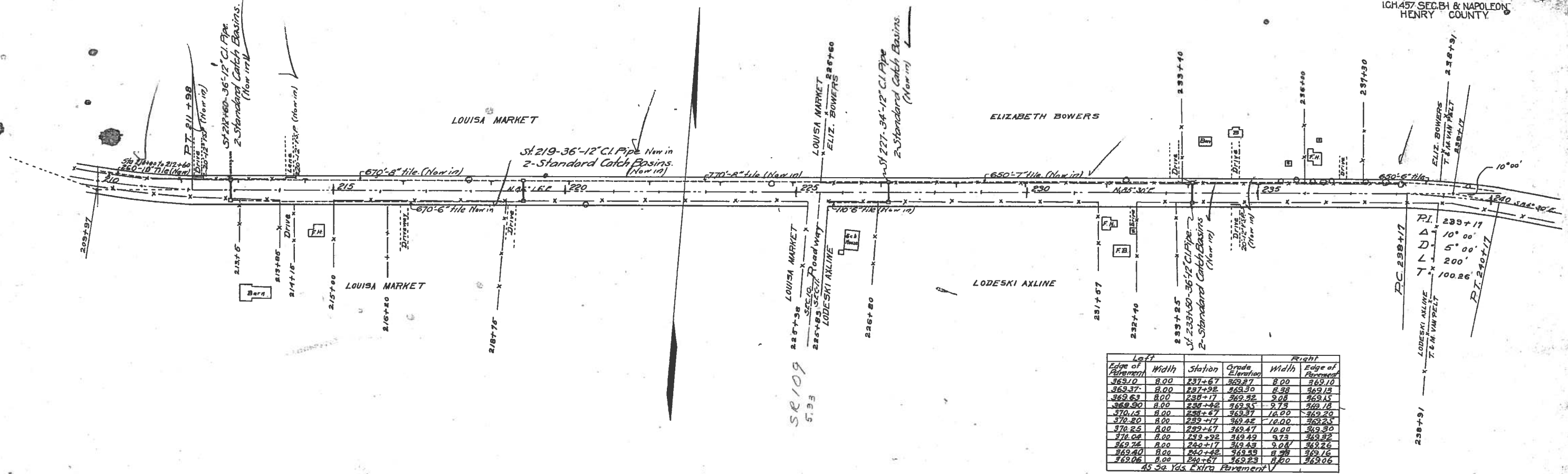


$P.I. = 203+97$
 $A = 20^\circ 14'$
 $D = 5^\circ 00'$
 $L = 404.67'$
 $T = 204.5'$

$P.I. = 203+30$
 $A = 7^\circ 30'$
 $D = 5^\circ 45'$
 $L = 200'$
 $T = 100.1'$

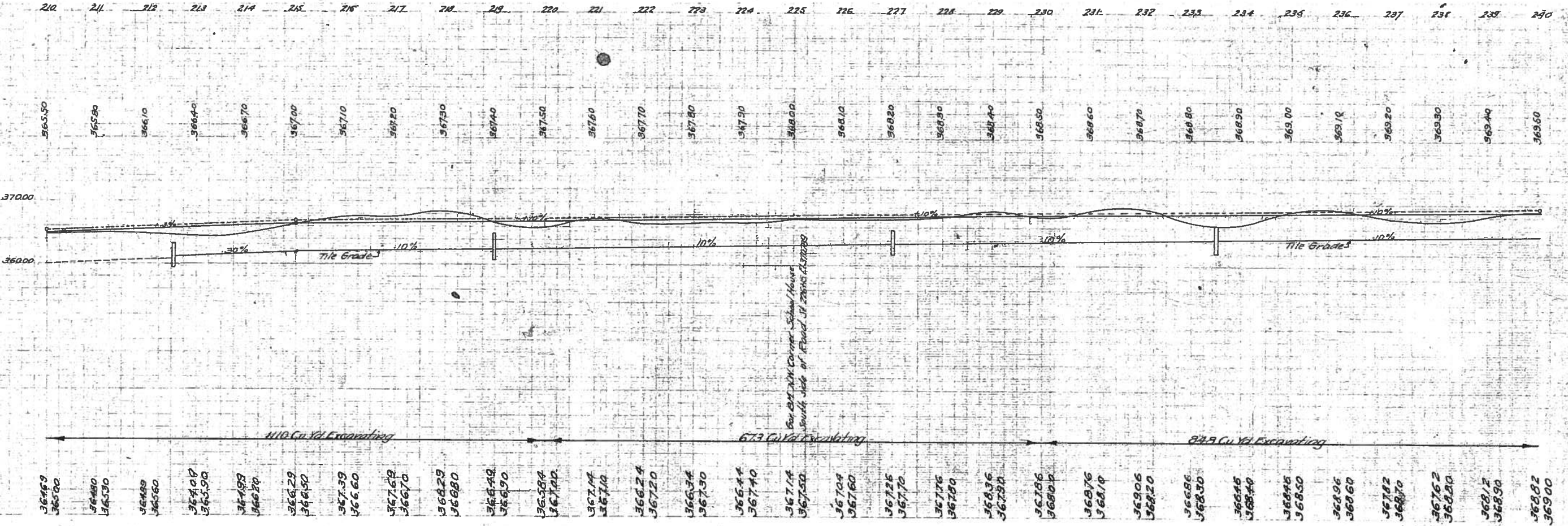
Note: Deduct 24' of pavement for bridge at Sta 204+50 Place 4" Concrete or 3" Bituminous Macadam wearing surface 16' wide over bridge.

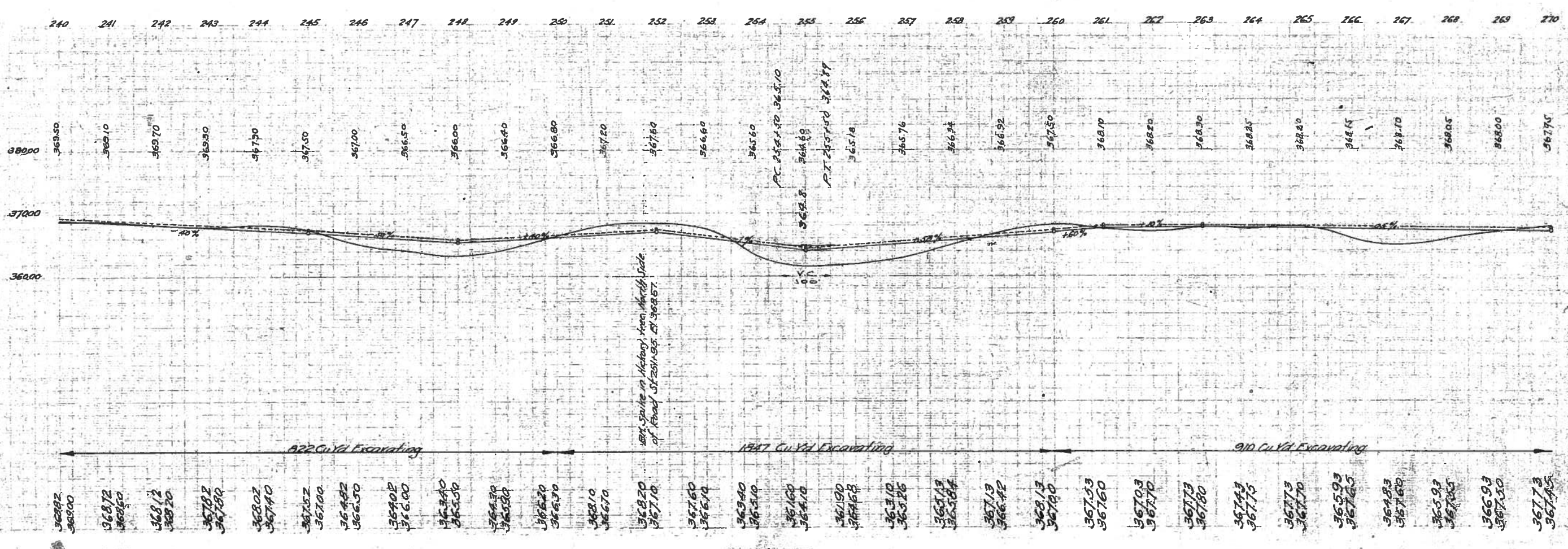
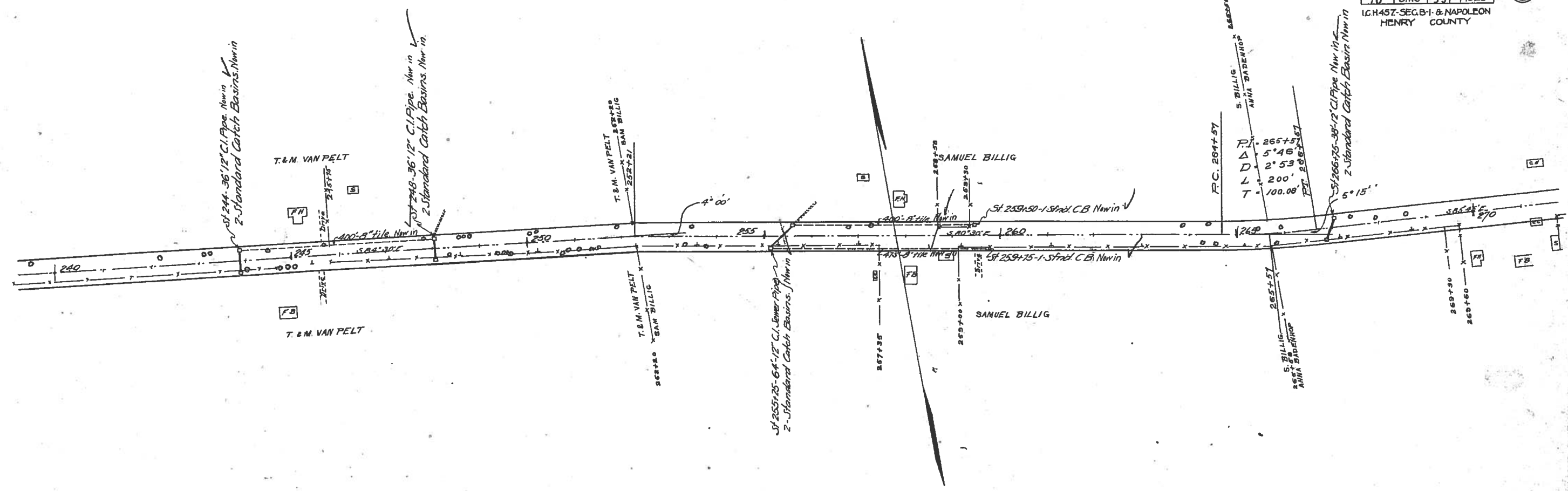


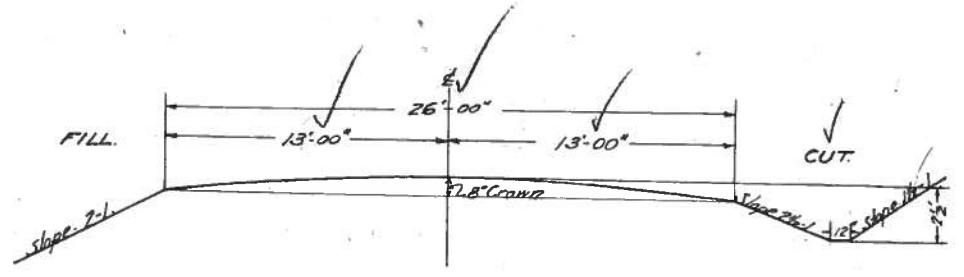
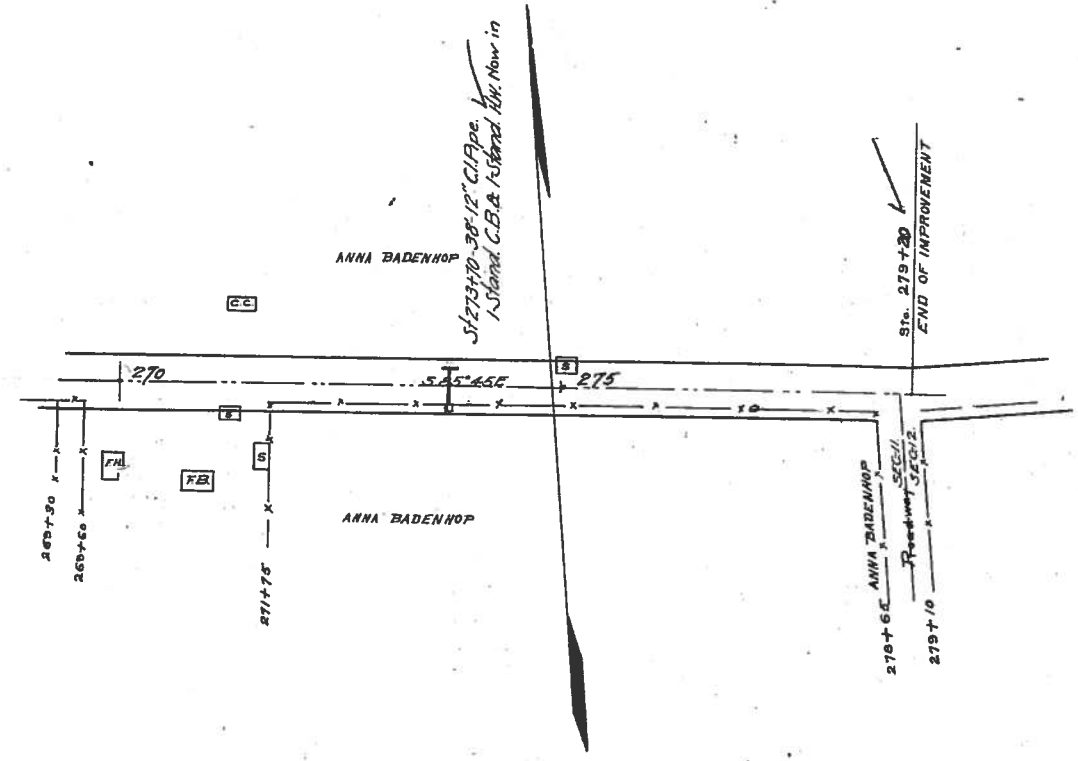


Left Edge of Adm'tment	Width	Station	Grade Elevation	Right Edge of Pavement
365.10	8.00	237+67	369.27	369.10
369.37	8.00	237+92	369.30	369.15
369.63	8.00	238+17	369.32	369.15
369.90	8.00	238+42	369.35	369.15
370.15	8.00	238+67	369.37	369.20
370.20	8.00	238+17	369.42	369.25
370.25	8.00	239+67	369.47	369.30
370.00	8.00	239+92	369.49	369.32
369.76	8.00	240+17	369.49	369.26
369.40	8.00	240+42	369.50	369.16
369.06	8.00	240+67	369.53	369.06

45.59 Yds. Extra Pavement







TYPICAL CROSS-SECTION of Present Road Grading done under previous Contract

