1910

BK. 26

REDPATH ROAD
SIMON HADLEY ROAD
DODSON ROAD

East Curb Line

	+S	T	-S	Rod	Elev	
24+6		77.93		5.45	72.48	72.48
24+92				2.09	75.84	
25+4				1.49	76.44	
⊙		87.87				
26				7.68	80.19	
26+24.5				6.60	81.27	
26+59.5				5.74	82.13	
26+58				4.76	83.11	
27				3.09	84.78	
27+57				.53	87.34	
⊙		98.86				
27+69				11.05	87.81	
27+86				10.30	88.56	
28				9.70	89.16	
28+36.4				7.49	91.37	
28+82.6				7.06	91.80	
29				6.50	92.36	
30				2.46	96.40	
30+27.5				1.46	97.40	

	East +S	Line HI	-S	Rod	[illegible]
⊙		108.80		~~10.77~~	
30+38.3				10.77	98.03
31				6.85	101.95
31+65.5				2.50	106.30
35+65.5		117.46		4.33	113.13
36				5.64	111.82
36+93				8.45	109.01
37+3				8.85	108.61
⊙		109.28			
38				3.51	105.77
38+49.5				4.58	104.70
38+74				5.05	104.23
39				5.81	103.47
40				8.70	100.58
40+52				10.75	98.53
40+92.5				10.95	98.33
41				11.25	98.03
⊙		100.16			
42				4.47	95.69
42+80				6.13	94.03

Bertha Coal Company

Dinsmore Pa

Thomas R. Harney

ABCDEFGHIJKL

ABCDEFGHIJKLMNOPQ

RSTUVWXYZ

ABCDEFGHIJKLMNOPQ

RSTUVWXYZ

Mrs. Thomas R. Harney

Dinsmore Pa

% Bertha Coal Co.

Burgittstown Pa.

E Curve

Sta.	+S	H	-S.	Rod	Elev					
42+92		100.16		6.61	93.55					
43				6.82	93.34					
44				9.25	90.91					
⊙		94.17								
44+12				3.47	90.70	X				
44+24				3.75	90.42					
~~42+90~~										
45				4.95	89.22					
45+10				5.05	89.12	X				
⊙ BM		93.66								
45+93.7				4.23	89.43	X				
46				4.30	89.36					
46+62				4.80	88.86	X				
47				5.95	87.71					
47+69				8.45	85.21	X				
49				10.30	83.36					
⊙		83.53								
48+25				1.50	82.03					

Sta	+S	T	-S	Rod	Elev
48+45		83.53		3.00	80.53
49				6.10	77.43
49+71				10.05	73.48

East Gutter Line

Sta	+ S	T	- S	Rod	Elev	
BM.		73.29		1.26	72.03	Fire hydrant West of Mill
20				10.00	63.29	
0		73.18				
21				5.92	67.26	
22				4.62	68.56	
23				2.20	70.98	
~~20~~		77.93		~~5.13~~		
24				5.13	72.80	
24+6				6.13	71.80	
24+92				2.50	75.43	
25+4				1.91	76.02	
0		87.87				
26				7.98	79.89	
26+29.5				7.00	80.87	
26+39.5				6.46	81.41	
26+50				5.65	82.22	
27				3.93	84.94	
27+59				1.87	86.00	
0		98.86				

Cast outer

Sta	FS	T	BS	Rod	Elev
27+69		96.86		12.30	96.56
27+80				12.00	96.86
28				11.64	97.22
28+56.4				7.96	90.90
28+82.6				7.50	91 36
29				7.29	91 57
30				3.10	95.76
30+27.4				2.96	96.90
⊙		108.80		1	
30+38.3				11.47	97.33
31				8.75	100.05
31+65.5		t		3.50	105.30
33+65.5		117.46		4.91	112.65
36				6.30	111.16
36+93				9.20	108.26
37+3				9.60	107.86
⊙		109.28		1	
37				4.00	105.28
37+92.5				4.90	104.38

East Gutter

Sta	+S	T	-S	Rod	Elev.
38+74		104.26		5.25	104.03
39				6.4	103.17
40				9.10	101.18
40+82				11.10	99.18
40+92.5				11.24	99.00
41				11.75	97.53
①		100.16			
42				4.98	95.24
42+80				6.93	97.23
42+92				7.25	92.91
43				7.60	92.56
44				9.65	90.51
⊙		94.17			
44+12				3.79	90.38
44+24				4.26	89.91
~~44+45~~				-	
45				5.70	88.47
45+70				5.30	88.87
⊙ BM		93.66			

F. Gattler

Sta	+S	T	-S	Rod	Elev
45+93.7		93.66		4.57	89.09
46				4.45	89.21
46+62				5.30	88.36
47				6.45	87.21
47+69				9.40	84.26
48 ⊕		~~83.53~~		11.10	82.56
⊙		83.53			
48+25				2.60	80.93
48+45				3.85	79.68
49				7.05	76.48
49+71				10.35	73.18

Center Line

	+S	H.I.	−S	Rod	Elev
B.M.	1.26	73.20		~~1.26~~	72.03
18 ~~0~~ 45				12.?6	61.14
19				11.18	62.11
20				8.66	64.63
⊙	7.00	73.18	7.11		66.18
21				6.40	66.78
22				4.63	68.55
23				2.73	70.45
⊙	8.40	77.93	3.65		69.53
24				5.40	72.53
24+6				5.11	72.82
24+72				1.96	75.97
25+4				1.30	76.63
⊙	10.84	87.87	.90		77.03
26				7.39	80.48
26+24.5				6.46	81.41
26+39.5				5.91	81.96
26+58				4.89	82.98
27				3.09	84.78

Center

Sta.	+S	T	-S	Rod	Elev
27+59		87.67		.65	87.22.
⊙	12.19	98.86	1.20		(86.67)
27+64				11.30	87.56
27+86				10.65	88.21
28				10.12	88.74
28+56.4				8.86	90.00
28+82.6				7.96	90.90
B.M.				5.30	(93.56)
29.				7.10	91.76
301				3.27	95.59
30+27.4				1.90	96.96
⊙	11.25	108.90	1.31		(97.55)
30+58.3				11.15	97.65
31				8.15	100.39
31+65.5				3.35	105.45
⊙	9.90	118.60	.10		(108.70)
~~⊙~~			~~1.49~~		
32				12.30	106.30
33				9.25	109.35

Sta		Center		Rod	Elev
34		118.60		6.15	112.45
35				4.75	113.85
⊙ BM.	.35	117.46	1.49	1.49	(117.11)
35+65.5				3.73	113.73
36				5.10	112.36
36+93				8.05	109.41
37+3				8.75	108.71
⊙	.15	109.28	8.33		(109.13)
38				3.41	105.87
38+49.5				4.45	104.83
38+74				5.10	104.18
39				5.55	103.73
40				7.90	101.38
40+12				10.35	98.93
40+92.5				10.80	98.48
41				11.05	98.23
⊙	1.44	100.16	10.56		(98.72)
42				3.95	96.21
42+80				5.85	94.31

Sta	+S	T	-S	Rod	Elev
42+92		100.16		6.00	94.16
43				6.15	94.01
44				8.30	91.86
⊙	2.55	94.17	8.54		(91.62)
44+12				2.60	91.57
44+24				3.00	91.17
~~44+45~~					
45				4.38	89.79
45+70				4.80	89.37
⊙ B.M	1.84	93.66	2.35		(91.82)
45+93.7				3.80	89.86
46				3.90	89.76
46+62				5.15	88.51
47				6.35	87.31
47+61				9.40	84.26
48				11.20	82.46
⊙	.43	93.53	10.56		(83.10)
48+25				2.85	80.68

Sta	+s	Center π	−s	Rod	Elev
48+45		83.53		4.05	79.48
49				7.00	76.53
49+71				10.35	73.18
⊙	.79	74.07	10.25		(73.28)
50				1.95	72.12
51				5.40	68.67
51+29.5				6.35	67.72
52				10.25	63.82
⊙	.60	65.28	9.39		(64.68)
53				5.72	59.56
53+8.3				6.15	59.13
54				9.60	55.68
55				11.50	53.78
⊙ 23.5	.27	54.05	11.50		53.78
55+25.5				.80	53.25
56				4.90	49.15
56+71				7.65	46.40

Turn at bottom hill Jeff St.

113.23
46.40
66.83

5129.5
4991.
138.5

West Gutter Line

BM	73.29	.26	72.03
20		9.49	63.80
⊙	73.18		
21		8.11	65.07
22		4.46	68.72
23		3.50	69.68
⊙	77.73		
24		7.80	70.13
24+6		6.61	71.32
24+42		3.20	74.73
25+4		2.66	75.27
⊙	87.87		
26		8.50	79.37
26+24.5		7.63	80.24
26+32.5		7.18	80.69
26+58		6.06	81.81
27		4.21	83.66
27+59		1.35	86.52
⊙	98.86		

W. Gutter

Sta	+	T	−	Rod	Elev
27+69		98.86		11.46	87.00
27+86				11.30	87.56
28				11.00	87.86
28+56.4				9.47	89.39
28+82.6				8.76	89.90
29				8.01	90.85
30				2.84	96.04
30+27.7				1.60	97.26
⊙		108.80		~~11.01~~	
30+38.3				11.01	97.19
31				9.30	100.50
31+63.5				4.25	104.65
31+65.5		112.46		3.70	113.76
36				5.05	112.41
36+93				8.90	108.56
37+3				9.45	108.21
⊙		109.28	8.38	~~8.33~~	~~109.13~~
38				3.70	105.58
38+78.5				4.45	104.83

Sta	+	π	−	Rod	Elev
38+74		10+24		5.80	103.49
39				6.57	102.71
40				8.55	100.63
40+82				10.90	98.38
40+92.5				11.30	97.98
41				11.65	97.63
⊙		100.16			
42				4.58	95.58
42+80				6.90	93.26
42+92				7.20	92.96
43				7.27	92.89
44				9.30	90.86
⊙		94.17			
44+12				3.50	90.67
44+24				3.65	90.52
~~44+95~~					
46				4.62	89.55
45+70				4.97	89.20
⊙ BM					

Gutter

Sta	+S	T	-S	Rad	Elev
45+93.7		93.66		+.30	89.36
46				4.39	89.27
46+62				5.30	88.36
47				6.30	87.36
47+69				9.85	83.81
48				11.00	82.66
48+25		83.53		~~2.70~~	
48+25				2.70	80.83
48+45				4.25	79.28
49				7.25	76.28
49+71				10.70	72.83

West Curb Line

24+6	7793	6.11	71.82
24+92		2.96	74.97
25+4		2.38	
ⓟ	87.87		
26		8.15	79.72
26+24.5		7.20	80.67
26+39.5		6.48	81.39
26+58		5.54	82.33
27		3.69	84.18
27+59		1.20	86.67
ⓟ	98.36		
27+69		11.80	87.06
27+86		11.12	75.74
~~28~~		10.65	88.21
28+32.4		9.15	89.71
28+82.6		8.46	90.40
29		7.70	91.16
30		2.65	96.21
30+97.4		1.31	97.55

West Curb

				Rod	Elev
~~30+66.3~~	+2	T	-3		
30+383		108.80		0.55	98.25
31+15.5				7.27	101.53
31+65.5				3.75	105.05
35+65.5		111.76		2.90	145.60
36				4.25	113.21
36+93				7.80	109.66
37+3				8.33	109.13
⊙		109.24		~~3.00~~	
38				8.00	106.28
38+49.5				4.22	105.06
38+74				4.90	104.38
39				5.40	103.88
40				7.90	101.38
40+82				9.80	99.48
~~40~~+92.5		100.16		10.35	98.93
41				10.56	98.72
⊙		100.16		~~3.65~~	
42				3.65	96.41
42+70				5.75	94.41

W. Curb

Sta	+5	0	-5	Fill	Cut
42+72		100.16		6.12	94.04
43				6.25	93.91
44				8.54	91.62
⊙		94.17			
44+12				2.72	91.45
44+24				2.95	91.22
~~44+35~~					
45				4.10	90.07
45+70				4.52	89.65
⊙ B.M.		93.66			
45+93.7				4.09	89.57
46				4.12	89.54
46+02				4.70	88.96
47				5.80	87.86
47+69				8.90	84.76
48				10.50	83.16
⊙		83.53			
				1.85	81.68

Ridpath

Estimate

1500. Cu yds Cut @ 30	450.00
998.03 " " Fill @ 30	299.41
2498 " " Haul @ 1.15	2873.70
Hauling " @ .25	624.50
Curbs 1054.90 Cu yds @ 6.00	6329.40
Binder, hauling, heating, pouring & rolling 8337.59 Sq yds @ 30¢	2501.28
Puddling & rolling first course	400.00
	13678.83

W. Curb

Sta	+S	T	-S	Rad	Tan
48+45		83.53		320	80.33
49				6.15	77.38
49+71				1025	7328

SIMON HADLEY ROAD

Estimate

Cu. Yds Cut @ 30X 2149.9 648.82

" Fill 321.61 @ 30¢ 96.48

3165.25 Cu Yds stone @ 1.15 3640.04

Hauling stone @ 2.5¢ 791.31

Curbs 98.55 Cu yds 591.30

Puddling & rolling first course 500.00

Binder, hauling, heating pouring, rolling &c 10,956.38 Sq Yds @ 3286.87

$9549.32

Differential Levels to establish Bench
for [illegible] Road

	+S		-S		
B.M.	5.89			72.03	Water plug cor. Wash. and Mill
⊙	.81		5.04		
⊙	.44		6.03	67.66	Water plug cor. Tenn. and Mill
⊙	4.53		9.76		
⊙	9.82		4.05		On S.E. cor. W. Spaniard wall concrete area.
⊙	9.03		2.57		
⊙	9.72		1.26		
⊙	7.12		.34		
B.M.			3.26	87.08	On water plug cor. Tenn. & Cartersburg road

RIGHT Main LINE

Sta	-S	+S	Rod	Elev
13+83.6		C+88	7.35	57.53
13+88.6			7.20	57.68
14+46.5			7.05	57.83
15			6.80	58.08
15+66.5			6.45	58.43
15+76.5			6.45	58.43
16.			6.50	58.38
17			7.05	57.83
17+21.5			7.25	57.63
21+56		72.21	11.03	61.85
21+73			10.75	62.13
21+85			10.30	62.58
22			10.10	62.78
22+48.5 X			8.75	63.16
23+~~26~~			6.50	64.71
23+26			5.45	66.76
23+36			5.05	67.16
24			2.75	69.46
~~24+15~~				

Simon Hadley Road

Right walk - line

Sta	+S	℄	-S	Rod	Elev
24+15		72.21		2.60	69.61
20 ~~36~~		82.69		~~4.07~~	~~78.62~~
24+75				10.47	72.02
24+88				10.15	72.54
25+1.5				9.65	73.04
25+86.5				7.30	75.39
26				7.05	75.64
26+44				6.35	76.34
26+54				6.10	76.59
27				5.10	77.59
28				2.55	80.14
28+75				.66	82.03
⊙		87.71			
28+88				5.95	81.76
29+1				5.55	82.16
30				4.75	82.96
30+48				4.25	83.46
30+60				4.10	83.41

Right Main Line

Sta	+S	T	-S	Rod	Elev
31		87.71		5.05	82.66
31+40.5				5.85	81.86
32				7.25	80.46
32+85.5		89.30		9.35	78.36
⊙					
33				5.85	78.45
33+47				5.50	78.80
34				5.15	79.15
35				4.60	79.70
35+14					79.67
35+33				4.50	79.80
35+47.75				4.45	79.85
35+62.5				4.35	79.95
35+77					79.57
⊙		84.42			
36				4.90	79.40
36+42.5				4.70	79.60
37				4.90	79.40
38				7.05	77.25
⊙		77.28			
38+64				1.20	76.08
38+75.5				1.35	75.93

Right Wall Line

Sta	+S	T	-S	Rod	Elev	
38+87				1.70	75.59	X
39				2.10	75.19	
39+72.5				4.20	73.08	X
40				5.10	72.18	
41				8.55	68.73	
41+3				8.60	68.68	X
41+13				9.00	68.28	
~~42~~		66.50		~~12.00~~		
~~42~~				1.20	65.30	
42+90				3.95	62.55	X
43+3				4.65	61.85	
43+17				4.65	61.85	X
46+27.5				4.95	52.91	
46+39.5		57.36		4.95	52.91	X
47				4.50	52.86	
47+41.5				4.45	52.91	X
48				4.65	52.71	
48+19.5				4.75	52.61	X
49				5.95	51.41	

Right Wall Line.

Sta	+5	T	-5	Rod	Elev.	
49+51.5				6.90	50.46	X
50				7.95	49.41	
50+8				8.00	49.36	X

Right Gutter line

Sta	+s	T	-s	Rod	Elev	Grade	Cut	Fill
6		10.00		6.20	83.80			
7				10.40	79.60			
⊙		79.97						
8				5.00	74.97			
9				9.90	70.07			
⊙		69.29						
10				4.25	65.04			
11				8.20	61.09			
12				10.95	58.34			
⊙		63.91						
13				6.15	57.76			
13+83.6				6.85	57.06			
⊙		64.83						
13+88.6				7.70	57.18			
14+9.65				7.60	57.28			
15				7.10	57.78			
15+86.5				6.75	58.13			
15+76.5				7.05	57.83	57.85		

Right Gutter Line

Sta	+S	℄	-S	Rod	Elev	Grade	Cut	Fill
16		64.88		7.20	57.68			
17				7.55	57.33			
17+21.5				7.90	56.98			
21+56		72.21		11.40	60.81			
21+73				10.90	61.31			
21+85				10.55	61.31			
22				10.30	61.91			
22+44.5				9.05	63.16			
23				7.25	64.96			
23+26				5.90	66.31			
23+36				5.50	66.71			
24				3.65	68.56			
24+5				3.45	68.76			
⊙		82.69						
24+75				11.05	71.64			
24+88				10.50	72.19			
25+1				9.95	72.74			
25+86.5				7.90	74.79			

Right Gutter Line

Sta	+S	℄	-S	Rod	Elev
26		82.69		7.70	74.99
26+44				6.45	76.24
26+54				6.40	76.29
27				5.80	76.89
28				3.10	79.59
28+75				1.10	81.59
0		87.71			
29+1				5.70	81.61
30				4.70	82.01
30+8				4.45	
30+60				4.65	
31				5.40	82.31
31+40.5				6.15	81.56
32				7.80	79.91
32.85 5 0		84.30		9.60	78.11
33				6.05	78.25
33+49				6.00	78.30
34				5.65	78.65
35				9.95	78.35

Right Gutter Line

Sta	+S	HI	-S	Rod	Elev
35+33				4.75	79.53
35+62.5				5.05	79.25
⊙		84.42			
36				5.15	79.27
36+92.5				5.05	79.37
37				5.20	79.22
38				9.35	76.07
⊙		77.28			
38+64				1.85	75.43
38+75.5				1.70	75.58
38+87				1.85	75.43
39				3.05	74.23
39+72.5				5.00	72.28
40				6.15	71.13
41				9.10	68.18
41+3				9.00	68.28
41+13				9.30	67.98
⊙		66.50			
42				2.20	64.30

Right Gutter Line

Sta.	+S	T	-S	Rod	Elev.
42+90				4.40	62.10
43+06				5.00	61.50
46+51		57.36		4.65	52.71
47				4.95	52.41
47+15				5.20	52.16
48				4.60	52.76
48+12.5				5.15	52.21
49				6.40	50.96
49+51.5				7.40	49.96
50				8.75	44.61
50+7				8.40	48.96

Center Line

Sta	+S	HI	-S	Rod	Elev	Grade	Cut	Fill	
B.M.	2.92	90.00		0	87.08				Water plug cor [illegible] & Canterbury
5+66.+				5.48	84.52				
6				5.85	84.15				
7				10.30	79.70				
⊙	.62	79.97	10.65		(79.35)				
8				4.65	75.32				
9				9.60	70.37				
⊙	.42	69.29	11.10		(68.87)				
10				3.95	65.34				
11				7.90	61.39				
12				10.80	58.49				
⊙	6.21	63.91	11.59		(57.70)				
13				5.95	57.96				
13+83.6				6.85	57.06	57.47			
B.M.	7.47	64.88		6.50	(57.41)				On extreme [illegible] of [illegible] E end of same
13+88.6				7.80	57.08	57.49			
14+46.5				7.55	57.33	57.57			
15				7.20	57.68	58.05			
15+66.5				6.95	57.93	58.38			

Center line

Sta	+S	T	-S	Rod	Elev	Grade	Cut	Fill
15+76.5		64.88		7.05	57.83	58.43		.60
16				7.20	57.68	58.30		.62
17				7.30	57.58	57.70		.12
17+21.5				7.50	57.38	57.58		.20
17+33.5				7.60	57.28			
BM.				4.80	60.08			
18				7.00	57.88			
19				7.75	57.13			
20				6.60	58.28			
21				5.35	59.53			
~~BM~~	1103	72.21	3.70		61.18			
21+56				10.80	61.41			
+73				10.55	61.66			
+85				10.15	62.06			
BM				8.45	63.76			
22				9.95	62.26			
22+985				8.60	63.61			
23				7.20	65.01			
23+26				6.20	66.01			

Center Line

Sta	+S	I	-S	Rod	Elev.
23+36		72.21		5.60	66.61
24				2.45	69.76
24+5				2.25	69.96
⊙	10.07	82.69	.19		72.02
24+75				10.05	72.64
24+88				9.40	73.29
25+1				9.00	73.69
25+86.5				6.50	76.19
26				6.10	76.59
26+44				5.40	77.29
26+54				5.25	77.44
27				4.70	77.99
28				2.75	79.94
28+75				.75	81.94
⊙	5.68	87.71	.66		82.03
B.M.	7.00	89.13	.66	2.39	86.74
28+88				5.55	82.16
29+1				5.15	82.56
30				3.45	84.26
30+98				4.00	83.71

Center Line

Sta	+S	A	-S	Rod	Elev
30+00		87.71		4.15	83.56
31				4.30	83.41
31+40.5				4.80	82.91
32				6.41	81.11
32+85.5				8.00	79.71
⊙	5.20	84.30	8.61		79.10
33				4.70	79.60
33+49				4.70	79.60
34				4.15	80.15
35				3.95	80.35
35+14					80.29
35+33				4.05	80.25
35+47.75				4.35	79.95
35+62.5				3.90	80.40
B.M.				.85	83.45
⊙	.97	84.42	.85		83.45
36				3.90	80.52
36+92.5				4.90	79.40
37				5.25	79.17
38				8.40	76.02

Center Line

Sta	+S	T	-S	Rod	Elev
⊙	.26	77.28	7.40		(77.02)
38+64				1.90	75.38
38+75.5				2.05	75.23
38+87				2.20	75.08
39				2.80	74.48
39+72.5				4.70	72.58
40				5.70	71.58
41				8.40	68.88
41+3				8.65	68.63
41+13				9.10	68.18
⊙	1.05	66.50	11.83		(65.45)
42				1.65	64.85
42+90				3.75	62.75
43+3.5				4.75	61.75
43+17				5.45	61.05
44				9.00	57.50
45				11.85	54.65
45+97.50				9.40	57.10
⊙	.27	57.36	9.41		(57.09)

Center Line

Sta.	+S	HI	-S	Rod	Elev
46+27.5		5736		4.00	53.36
B.M.				4.21	53.15
46+38.5				4.35	53.01
46+51				4.75	52.61
47				4.75	52.61
47+41.5				4.75	52.61
48				4.30	53.06
48+19.5				4.45	52.91
49				5.90	51.46
49+51.5				7.00	50.36
50				8.45	48.91
50+8				8.70	48.66
⊙	.73	50.08	8.01		49.35
51				6.85	43.23
⊙	.27	38.75	11.60		38.48
52	~~2.70~~			2.70	36.05
52+7				3.25	35.50
52+78				8.95	29.80
53				10.90	27.85

BM ↑ On Curb S. Side Col. W. [illegible] ↑

6278
4638.5
1589.0

38.95

Sta	+S	T	-S	Rod.	Elev
⊙	.86	28.22	11.39		(27.36)
54				7.00	21.22
54+35				8.55	19.67
⊙	1.21	17.11	12.32		(15.90)
55				1.65	15.46
55+40.5				3.75	13.36
56				6.30	10.81
57				4.25	8.82
58				5.85	11.26
58+29.6				5.70	11.41
⊙	2.67	13.07	6.71		(10.40)
B.M				2.66	10.41
59				3.45	9.62
59+69				5.05	8.02
60				4.90	8.17
61				3.35	9.72
62				2.55	10.52
62+28				1.75	11.32

S End of Bridge

Left Gutter Line

Sta	+S	T	-S	Rod	Elev.
6		70.00		3.80	89.20
7				10.05	72.95
⊙		79.97			
8				4.55	75.42
9				9.80	70.17
⊙		69.29			
10				4.05	65.24
11				8.10	61.19
12				11.10	58.19
⊙		63.91		6.0	
13				6.00	57.91
13+83.6				6.95	56.96
⊙		69.88			
13+88.6				7.75	57.13
14+9.65				7.65	57.23
14+17.65				7.40	57.48
15				7.20	57.68
15+66.5				8.55	56.33
15+76.5				7.75	57.13

Gutter N. side Wall

Sta	Left +S	Gutter +	Line -S	Rod	Elev
16		69.88		7.60	57.28
17				7.45	57.43
17+21.5				7.25	57.63
21+56		72.21		10.75	61.36
+73				10.50	61.71
+85				10.30	61.91
22				10.05	62.16
22+49.5				8.85	63.36
23+				7.35	64.86
23+26				6.10	66.11
23+36				5.45	66.76
24+				3.40	68.81
24+5				3.30	68.91
⊙		82.69			
24+75				11.15	71.54
24+88				10.50	72.19
25+1				10.10	72.59
25+86.5				8.05	74.64

Left Gutter Line

Sta	+S	T	-S	Rod	Elev
26		82.69		7.70	74.99
26+44				6.50	76.19
26+54				5.95	76.74
27				5.45	77.24
28				3.15	79.54
28+75				1.05	81.64
⊙		82.71			
29+1				5.20	82.51
30				4.80	82.91
30+48				4.60	83.11
30+60				4.55	83.16
31				5.05	82.66
31+40.5				6.25	81.46
32				7.60	80.11
32+85.5				8.85	78.86
⊙		89.30			
33				5.00	77.30
33+49				5.30	77.00
34				9.60	73.70
35				9.05	80.25

Sta	Lot +s	Gutter T	Line -s	Pad	Elev.
35+33				3.80	81.50
35+62.5				3.50	80.80
⊙		8.42			
36				3.30	81.12
36+42.5				5.30	79.12
37				5.30	79.12
38				8.35	76.07
⊙		77.28			
38+04				1.85	75.43
38+75.5				1.75	75.53
38+87				2.05	75.23
39				2.30	74.98
39+12.5				4.40	72.88
40				5.30	71.98
41				8.80	68.48
41+3				8.90	68.38
41+13				9.55	67.73
⊙		66.50			
42				1.80	64.70

Left Gutter Line

Sta	+s	T	-s	Rod	Elev
42+90				4.50	62.00
43+16				5.70	60.80
48+9		57.36		4.65	52.71
48+19.5				5.05	52.31
49				6.30	51.06
49+51.5				7.15	50.21
50				8.55	48.81
50+8				8.95	48.41

Sta	Left +	Walk T	Line -	Rod	Elev
13+82.6		6.98		7.47	57.41
13+88.6				7.30	57.58
14+4.65				7.10	57.78
14+17.5					
14+17.65				6.85	58.03
15				6.80	58.08
15+66.5				6.50	58.38
15+76.5				6.43	58.43
16				6.60	58.28
17				7.10	57.78
17+21.5				7.25	57.63
21+56		12.21		10.35	61.86
21+73				10.25	61.96
21+85				9.75	62.46
22				9.40	62.81
22+48.5				7.95	64.36
23				6.10	66.11
23+26				5.05	67.16
23+36				4.60	67.61
24+~~65~~				2.60	69.61

LEFT WALK LINE

Curb north side Wal

Left Walk

Sta	+S	T	-S	Bed	Elev					
24+15		72.21		2.40	69.81		X			
⊙		82.69								
24+75				10.00	72.09					
24+88				10.25	72.44					
25+15				9.50	73.19		X			
25+65				7.55	75.14		X			
26				7.15	75.54					
26+49				6.05	76.64					
26+54				5.80	76.89		X			
27				4.80	77.89		X			
28				2.65	80.04					
28+75				.70	81.99		X			
⊙		87.71								
28+58				5.35	82.36					
29+1				4.55	83.16		X			
30				4.40	83.31					
30+48				4.30	83.41					
30+60				4.90	83.31		X			

Left Walk line

Sta	+S	H.I.	-S	Rod	Elev	
31		87.71		5.00	82.71	
31+40.5				5.70	82.01	X
32				7.10	80.61	X
32+8.5				8.61	79.10	X
⊙		87.30				
33				5.70	78.60	
33+49				4.50	79.80	X
34				3.90	80.40	
35				2.70	81.60	
35+14					81.81	
35+33				2.85	81.45	X
35+47.5				3.05	81.25	
35+62.5				2.65	81.65	X
35+77					81.97	
⊙		87.42				
36				2.80	81.62	
36+92.5				4.75	79.67	X
37				7.95	79.47	
38				7.40	77.02	
⊙		77.28				
38+64				1.45	75.83	
38+75.5				1.70	75.58	

Left Wall Line

Sta	+S	T	+S	Rod	Elev	
36+67				1.50	75.78	X
39				1.85	75.43	
39+72.5				4.20	73.08	X
40				5.15	72.13	
41				8.55	68.73	
41+3				8.60	68.68	X
41+13				9.00	68.28	
⊙		66.50				
42				1.05	65.45	
42+90				4.05	62.45	X
43+3.5				4.60	61.90	
43+17				4.90	61.60	X
46+27.5		57.36		4.20	53.16	
48+9				4.40	52.96	X
48+19.5				4.60	52.76	X
49				5.95	51.41	
49+5.5				7.15	50.21	X
50				7.90	49.56	
50+8				8.00	49.36	X

DODSON ROAD

Estimate

681.53 Cu Yds Cut @ 30¢	204.47
544.09 " " Fill @ 30¢	163.22
1955.38 " " Stone @ 1.15	2248.68
Hauling " @ 2.5¢	488.84
Puddling & rolling first Course	350.06
Binder, hauling, heating, pouring rolling &c	
7001.20 Sq Yds @ 30¢	2100.36
	$5556.63

DOOSON ROAD

Right Water Line

LEVELS

Sta	+S	H	-S	Rod	Elev
15		66.06		6.70	59.36
15+33.5				5.85	60.21
15+55.5				5.65	60.41
16.				4.95	61.11
17.				3.20	62.86
18				1.45	64.61
18+34.6				.70	65.36
18+46.5				.95	65.11
18+58.4				.85	65.21
⊙		75.05			
19				8.30	66.75
19+97				4.50	70.55
20+9				3.85	71.20
21				.30	74.75
⊙		86.75			
21+51.5				10.00	76.75
21+64.5				9.40	77.35
21+77.5				8.85	77.90

Right Wa[illegible]

Sta	+S	π	-S	Rod	Elev
22		86.75		8.15	78.60
23				4.50	82.25
23+20.5				3.80	82.95
23+30.5				3.25	83.50
24				.85	85.90
⊙		95.35			
24+55				7.45	87.90
24+65				7.10	88.25
25				6.05	89.30
25+53				4.55	90.80
25+79				4.55	90.80
26				5.40	89.95
27				8.50	86.85
27+7.4				8.60	86.75
27+20.4				9.15	86.20
28				11.55	83.80
2⊙+647		89.05		~~7.05~~	
28+647				7.05	82.00

Sta	+S	T	-S	Rod	Elev
46+56.9		64.86		11.85	53.01
47				10.70	54.16
47+26				10.00	54.86
47+81				8.40	56.46
48				7.65	57.21
49				3.65	61.21
49+55.5				1.50	63.36

Rt. Gutter Line

Sta	T	S	Rod	Elev
15	66.06		7.35	58.71
15+45.5			6.55	59.51
15+55.5			6.40	59.66
16			5.60	60.46
17			3.95	62.11
18			2.10	63.96
18+34.6			1.40	64.66
18+46.5			1.10	64.96
18+58.4			1.20	64.86
℄	75.03			
19			9.35	65.70
19+97			5.00	70.05
20+9			4.40	70.65
21			1.00	74.05
℄	86.75			
21+51.5			10.40	76.35
21+64.5			9.90	76.85
21+77.5			9.45	77.30

Right Gutter Line

Sta	+S	R	-S	Rod	Elev
22		86.75		8.65	78.10
23				5.10	81.65
23+20.5				4.40	82.35
23+30.5				4.05	82.70
24				1.15	85.60
⊙		95.35			
24+55				7.75	87.60
24+65				7.40	87.95
25				6.60	88.75
25+53				5.10	90.25
25+79				5.00	90.35
26				6.10	89.25
27				9.15	86.20
27+7.4				9.20	86.15
27+20.4				9.65	85.70
28				12.00	83.35
⊙		89.05			
28+64.7				7.90	81.65

Right Gutter Line

Sta	+L	T.	-S	Prof.	Elev.
46+50.9				12.15	
47				11.30	
+26				10.40	
+81				9.00	
48				8.00	
49				4.00	
49+55.5				1.95	

CENTER LINE

Sta	+S	HI	-S	Rod	Elev	
B.M.	8.65	66.06			57.41	
14+4.65 14+17.65				8.80	57.26	
15				7.30	58.76	
15+45.5				6.45	59.61	60.23
15+55.5				6.30	59.76	
16				5.55	60.51	
17				3.65	62.41	
18				2.05	64.01	
18+34.6				.85	65.21	
18+46.5				1.05	65.01	
18+58.4				.80	65.26	
⊙	9.52	75.05	.53		65.53	
B.M				7.47	67.58	
19				8.30	66.70	
19+97				4.85	70.20	
20+9				4.20	70.85	
21				0.40	74.65	
⊙	11.98	86.75	.28		74.77	

□
On entrance S cor W curb [illegible] St

Center Line

Sta	+S	H	-S	Rod	Elev
21+51.5		86.75		9.95	76.80
21+64.5				9.10	77.65
21+77.5				8.65	78.10
22				8.00	78.75
23				4.35	82.40
23+20.5				3.70	83.05
23+30.5				3.30	83.45
24				.95	85.80
⊙	9.35	95.35	.75		(86.0)
24+55				7.35	88.00
24+65				7.00	88.35
25				6.00	89.35
25+53				4.80	90.55
25+66				4.70	90.65
25+79				4.70	90.65
26				5.90	89.45
27				8.70	86.65
27+12.4				8.90	86.45
27+20.4				9.40	85.95

Center Line

Sta	+S	I	-S	Rod	Elev
28		95.35		11.50	83.85
⊙	5.23	89.05	11.53		83.82
28+64.7				6.70	82.35
28+76.7				6.95	82.10
B.M				2.30	86.75
B.M		64.86		11.71	53.15
46+16.2				11.45	53.41
46+27.7				11.90	52.96
46+39.9				12.15	52.71
46+83					
47				11.60	53.26
+9				10.85	54.01
+64				8.90	55.96
47+83					
48				8.10	56.76
48+30					
49				3.85	61.01
49+38.5				1.70	63.16
49+48.9				1.50	63.36
49+60.4				1.35	63.51
49+83					
50				1.40	63.46
⊙	1.41	66.04	.23		

Center Line

Sta	+S	A	-S	Rod	Elev	
50+84.9						
51		66.04		.90	65.14	
51+67.5				1.10	64.94	
51+84.9						
52				1.20	64.84	
52+13						
53				6.10	59.94	
53+83						
54+50				10.10	55.94	
54+41				9.35	56.69	
54+67				9.15	56.89	
54+83						
55				9.05	56.99	
55+44				8.20	57.84	
BM,				7.47	58.57	Ring Wheelers Step.
55+63						
56				8.40	57.64	
56+63	7.30	61.04	12.30			
57				5.90	55.14	
57+27.2				7.35	53.69	
57+29.2				8.35	52.69	

Center Line

+S	⊼	-S	Rod	Elev

Curves Ridpath

I & T to find E

E = T tan ¼ I

4 | 28° 54
7° 13° 15'

.12677
100
2 | 12.677 — 100'
6.333 — 50'

10
15.07

E = { 12.677
.6
7.6062 — 60'

10.00
5.07
4.93

.12677
150
19.11550 — 150'

.12677
3
3.8031

12.677
.4
5.0708 — 40'

Tan. 40 used

2) 151.7
75.84

Curve A.

Sta 5	+	−	⊼	S. Rod.	N
Sta 7	1.71		68.19	~~6.03~~	
P.T				6.03	6.09
P.I				7.78	7.50
P.C				9.65	9.20

Elev

	S.	N	Grade	Cut S	Cut N	Fill S	Fill N
P.T.	62.06	62.10	60.88	~~1.73~~	~~1.21~~	~~1.19~~	~~1.20~~
P.I	60.41	60.69	60.50	1.78	2.06		
P.C	58.54	58.99	59.14	99	1.44		

	Fill N	Fill S	Cut N	Cut S
P.T.			.24	.20
P.I.		.09	.19	
P.C	.15	.60		

LEFT GUTTER LINE

Sta	+S	T	-S	Rod	Elev	Grade
15		66.06		7.35	58.71	
15+55				6.55	59.51	59.65
15+55.5				6.35	59.71	
16				5.65	60.41	
17				3.80	62.26	
18				1.95	64.11	
18+34.6				1.20	64.86	
18+46.5				.80	65.26	
18+58.4				1.10	64.96	
⊙		75.05				
19				8.80	66.25	
19+97				5.25	69.80	
20+9				4.35	70.70	
21				.80	74.25	
⊙		86.75				
21+51.5				10.35	76.40	
21+64.5				9.70	77.05	
21+77.5				8.95	77.80	

Left butter Line

Sta	+s	π	-s	Rod	Elev
22		86.75		8.65	78.10
23				5.00	81.75
23+20.05				4.15	82.60
23+30.5				3.60	83.15
24				1.45	85.30
⊙		95.35			
24+55				8.00	87.35
24+65				7.65	87.70
25				6.90	88.45
25+53				5.35	90.00
25+79				5.05	90.30
26				6.10	89.25
27				8.95	86.40
27+7.7				9.10	86.25
27+20.4		89.05		9.75	85.60
⊙ 28				5.20	93.95
28+64.7				6.50	92.55

Left Center Line

Sta	+S	-S	-S	Rod	Elev
46+569				11.80	
47				11.80	
+26				11.20	
+81				9.55	
48				8.75	
49				4.90	
49+055				1.35	
49+65.9					
49+78.4					

LEFT WEIR LINE

Sta	+S	H	-S	Rod	Elev
15		66.06		6.65	59.41
15+45.5				5.80	60.26
15+55.5				5.65	60.41
16				4.95	61.11
17				3.05	63.01
18				1.20	64.86
18+34.6				.65	65.41
18+46.5				.65	65.41
18+58.4				.55	65.51
⊙		75.05			
19				8.20	66.85
19+87				4.30	70.75
20+9				3.75	71.30
21				.30	74.75
⊙		86.75			
21+51.5				9.95	76.80
21+64.5				9.35	77.40
21+77.5				8.65	78.10

Left North Line

Sta	-S	T	-S	Rod	Elev
22		86.75		8.00	78.75
23				4.35	82.40
23+20.5				3.60	83.15
23+30.5				3.10	83.65
24				.75	86.00
⊙		95.35			
24+55				7.35	88.00
24+65				7.00	88.35
25				6.15	89.20
25+53				4.75	90.60
25+79				4.60	90.75
26				5.45	89.90
27				8.50	86.80
27+7.4				8.60	86.75
27+20.4				9.00	86.35
⊙		89.05			
28				4.50	84.55
28+64.7				5.90	83.15

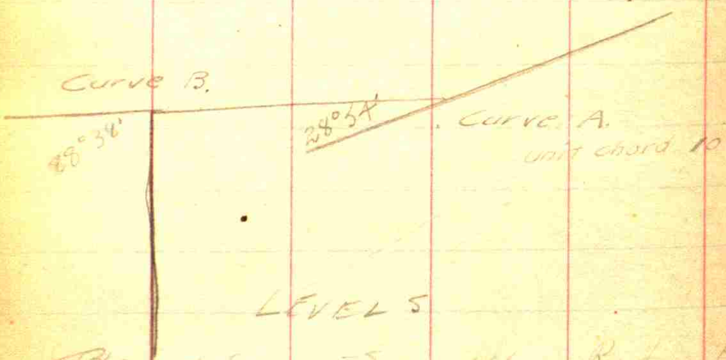
Sta	Left Wall Line -5		Right Wall Line -5	Rod	Elev
46+50.9		64.86		11.70	53.16
47				10.75	54.11
+26				10.00	54.86
+81				8.45	56.41
48				7.70	57.16
49				3.70	61.16
49+55.5				1.85	63.01
49+65.9				1.25	63.61
49+17.4				1.25	63.61

Center Intersection

North West Line

Sta	+S	HI	-S	Rod	Elev

CURVES N. END
RIDPATT



LEVELS

Sta	+S	-S	HI	Rod	Elev
BM	1.39				71.82
⊙	.78	7.37			
⊙	.47	7.18			
⊙	4.74	12.12	72.53	12.12	

Stake	East	West
1	3.88	3.65
2	4.42	3.72
3	5.10	3.97
4	5.05	5.45
5	6.05	5.79
6	6.30	6.00
7	6.62	6.05

4) 88.38
22.09

R = T x cot ½ I

R = 1.6990 + 0.0104 = 1.7094

.4071 × 35 = 20355, 12213 → 14.2485

51.22

1.0241 × 50 = 51.2050

R = 1.0241 × 35 = 5 1205, 3 0723 → 35.8435

2) 91.20
45.60

35 = T
14.22 = E
35.84 = R

Stake	East	West	Grade	East Cut	West Cut
1	68.65	68.88	67.77	.88	1.11
2					
3					
4					
5					
6					
7	66.48	65.91	64.68	1.23	1.80

Sta	+	−	π	Rod	
B.M.			105.70	5.70	100.00
On 1st step				4.75	100.95
" 2nd "				4.20	101.50
N.W. Cor.				5.43	100.27
1				5.32	100.38
2				5.36	100.34
3				5.37	100.33
Con W. walk				5.45	100.25
5				5.54	100.16
6				5.96	99.74
S.W. Cor.				6.9+	98.76

N. Side.

Running W to E.

1				5.52	100.18
2				5.75	99.95
3				5.77	99.93
4				5.78	99.92
Con N.				5.88	99.82

On S. end of curb at N. entrance.

Steps on W. side of Building. Readings on N.W. Cor.

Sta	+s	-s	H	Rod	
6.			105.70	5.86	99.84
7				6.25	98.45
8				6.77	98.93
9.				7.71	97.99
W.E cor				8.20	97.50
0	4.32	7.01	103.01		
	5. Side W to E				
1				3.95	99.06
2				3.70	99.31
3				3.55	99.46
4				3.12	99.89
Cor 5.				3.21	99.80
6				3.18	99.83
7				3.34	99.67
8				3.59	99.42
9				4.10	98.91
5.E cor				5.50	97.51

105.70
98.49
4.32
103.01

F 150 1

151

5+0	+5	-5	π	Rod.	
	EAST	SIDE	5+0	H.	
1			103.01	4.37	98.64
2				4.12	98.89
3				3.91	99.10
Cen E.				3.89	99.12
5				3.95	99.06
6				4.35	98.66
7				5.02	97.99

152 Curbs South End. Hadley Road.

Sta	+S	-S	Δ	West	East	West	East	Grade	West Cut	West Fill	East Cut	East Fill
B.M.	2.63		62.71					60.08				
					5.41			2.63				
17+33.5				~~5.41~~	~~5.30~~		57.30	57.08				
18.5				5.09	5.55	57.63	57.16	57.09	.54		.07	
19				4.91	5.48	57.80	57.28	57.10	.70		.13	
19.5				4.88	5.00	57.83	57.71	57.12	.71		.59	
19				7.87	5.59	55.44	57.12	57.13		1.69		.01
19.5				6.39	4.99	56.12	57.72	57.61		1.53	.11	
20				6.13	4.52	56.58	58.39	58.08		1.50	.31	
20.5				4.54	3.85	58.17	58.86	58.56		.39	.30	
21				3.43	2.65	59.28	60.06	59.03	.25		1.03	
21.5				1.40	2.23	61.31	60.46					
0	5.48	.92										
B.M.		3.53			63.74							

62.71 6
.92
61.79
5.48
67.27
3.53
63.74

62.71
.72
61.99
5.48
67.47
3.73
63.74

Simon Hadley North End

Rod

Sta	+S	-S	↗	W	E	W	E		
BM	2.29			~~3.49~~					
T.O	3.41	9.85							
T.O	2.70	10.81							
T.O	W 2.48	8.66	65.01	~~2.48~~	~~2.41~~			60.80	60.80
44				7.26	7.22	57.75	57.79	58.60	58.60
45				9.71	9.90	55.30	55.11	55.50	55.50
45+75 on rail				9.61	10.08	55.40	~~54~~.93	56.30	56.30
BM		7.74		57.27					

Ridpoles

No	East	West	
1	3.93	3.70	- .23 West
7	6.10	6.66	- .56 East

				Rod E	Rod W		
B.M.	.34		117.45			117.11	
21 + 34.5				4.26	3.54	113.20	113.91
21				5.56	4.87	111.89	112.58
20.				9.07	9.45	108.38	109.00
19				12.05		105.40	
18+				12.85		104.60	

5.49
5.28
.21

5.28
.10
5.38
.5
5.88

5.88
4.67
1.21
4.
5.21

	LS			Rod	
B.M.	5.61				
Curb W.	On W. opp	14+17.5		5.00	
Gutter				5.60	
Center				5.52	
Gutter				5.60	
Gutter E at 14+9.65					

BM				85.45 W	W G	E	E G	E W
35+14	3.35	86.80		4.99		6.51		7.13
35+47.75								
35+77				4.83		6.28		7.23

5.89
.81
.44
4.53
9.82
9.03
9.72
7.12
41.36
32.31
15.05
72.03
87.08

5.04
6.03
9.76
4.05
8.57
1.26
.34
3.26
32.31

83.45
3.35
86.80
89.9
81.81

86.80
7.13
79.67

83.45
4.99
78.56

7.23
4.83
2.40

83.45
7.13
76.32

86.80
7.23
79.57

57.41
5.61
63.00

86.80
4.83
81.97