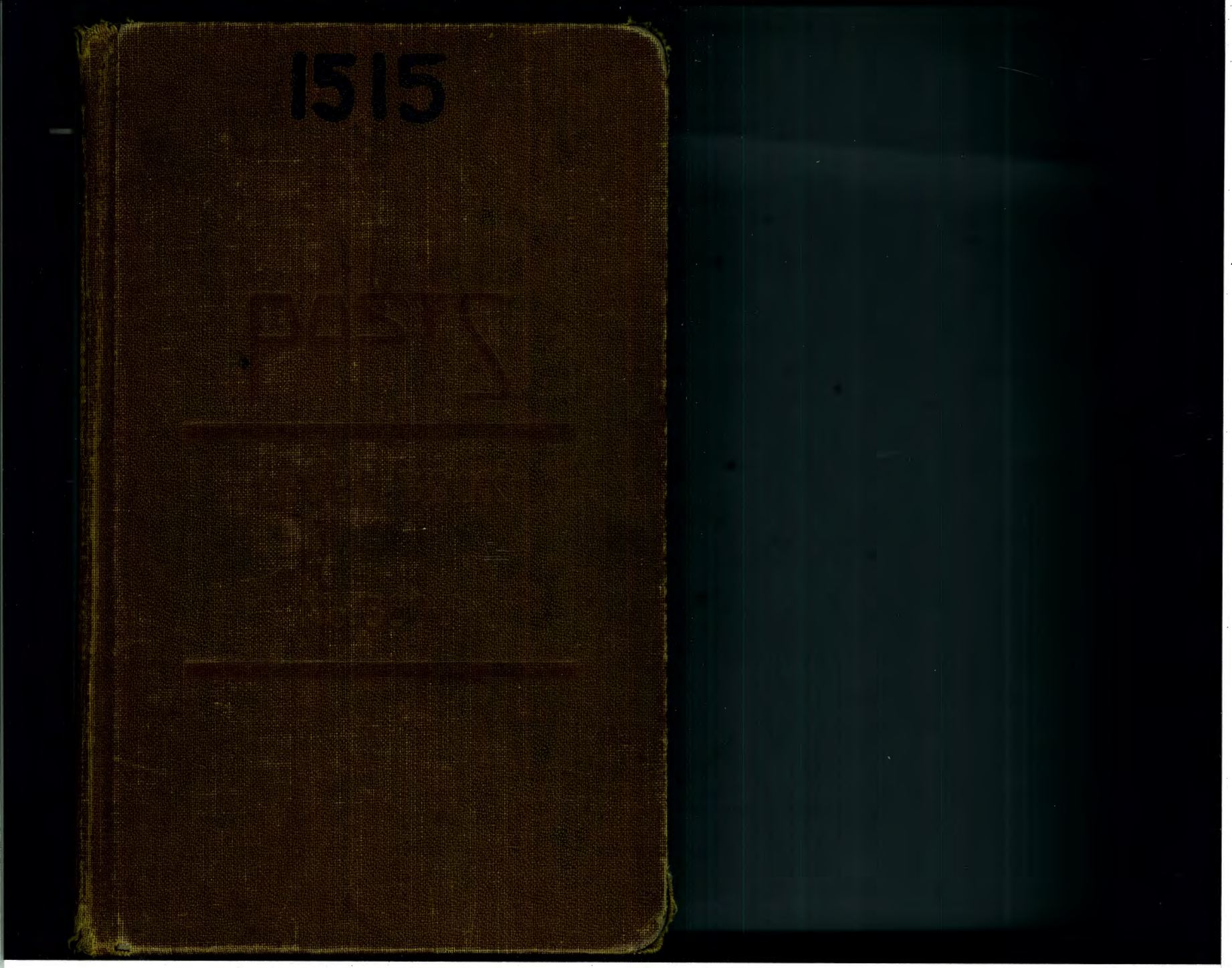
1515

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10-29-34
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Relocation of Road Connecting Alabama & Upas & Powder House Canyon Road (Florida St. Extension)

3+24 P.O.T. Hub

2+90.$\frac{65}{}$ Hub. B.C. F.B. 1480 P. 1. 2+90$\frac{28}{}$ Hub. is 0.08' W. of ℄

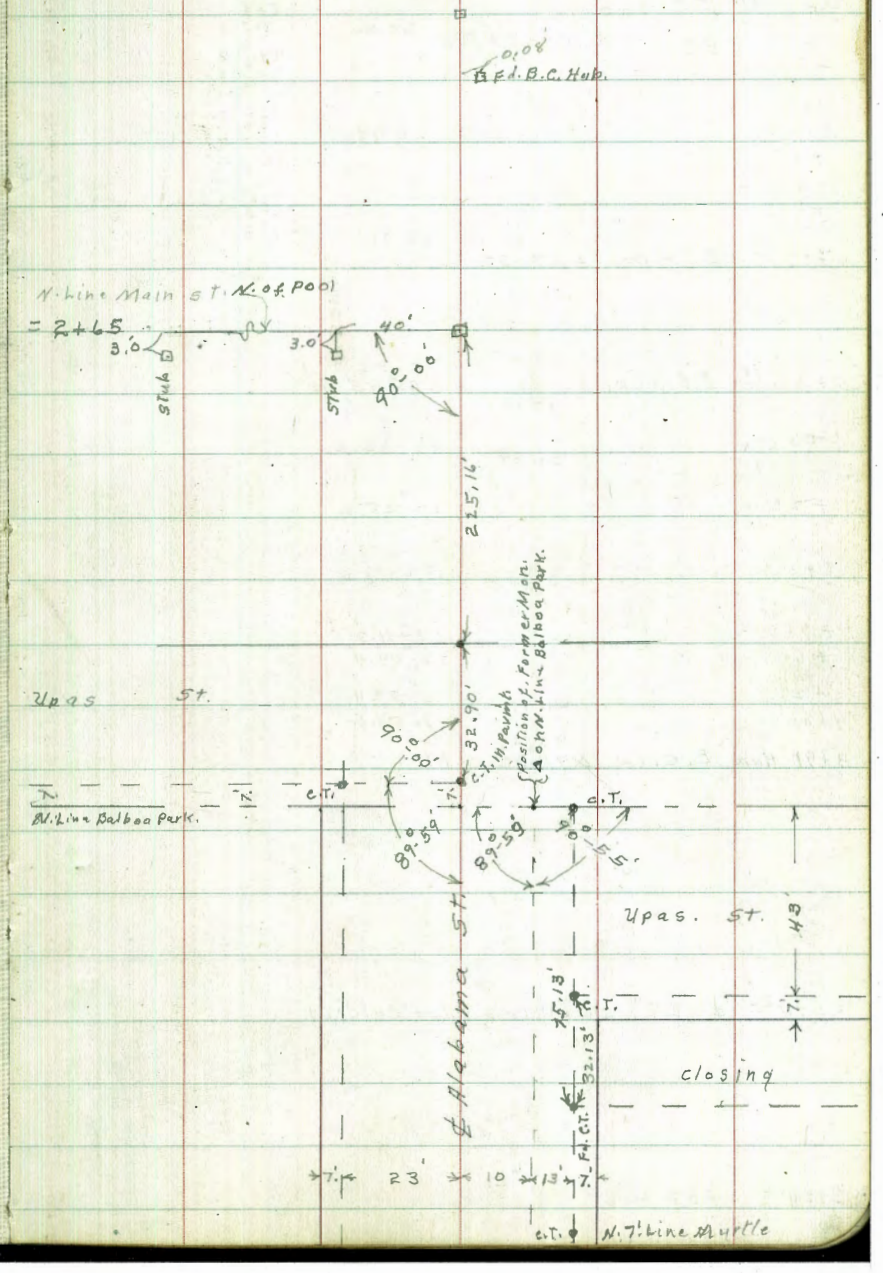
2+25.$\frac{16}{}$ Hub. ℄ B.C. Road South of Recreational Area.

0+00 Nail F.B. 1480 P. 1. S. Edge Ex Pav

C.T. in Pav. 7' S. of N. Line Upas. St.

Indexed
C.S. K

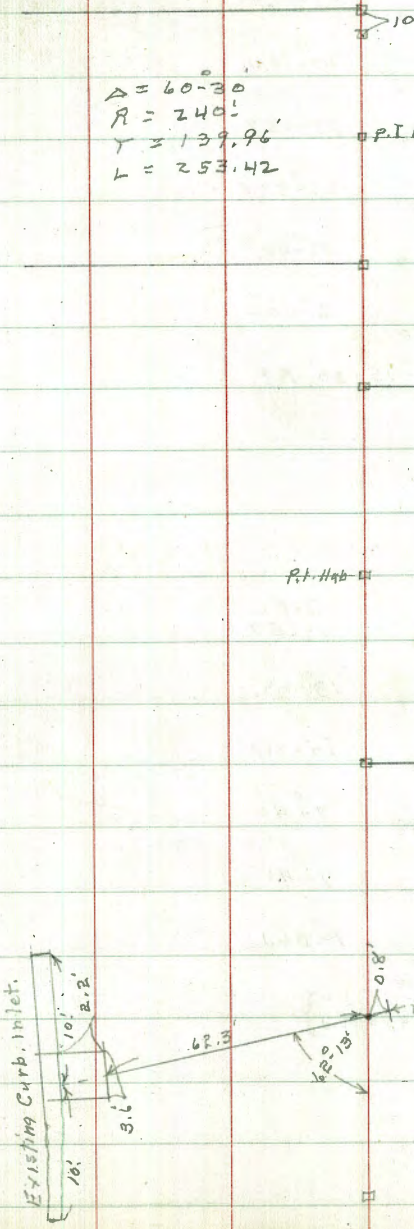
1



			chd	Defl's
9+20 48	E.C. Hub.			
8+82 47	E.C. Hub. F.B. 1480 P. 2.		20.46	30°-15'
9+00				27°-48'
8+75				24°-49'
8+50				21°-50'
8+25				18°-51'
8+00			24.98	15°-52'
+75				12°-53'
+50				9°-54'
+25				6°-55'
7+00				3°-56'
6+67 06	B.C. Hub	Δ 60°-30'	52.91 Lt.	
			chd	Defl's
5+65 71	E.C. Hub.			35°-45'
			15.70	
+50				32-32.2
			24.97	
+25				27°-25.2'
5+00				22°-18.3'
+75				17°-11.3'
+50				12°-04.4'
+25			24.47	6°-57.4'
4+00				1°-50.5'
3+91 Hub	B.C. Hub	Δ 71°-30'	9.0' Rt.	

3+74 26 ℄ 12" Sheet Iron Pipe Culvert.

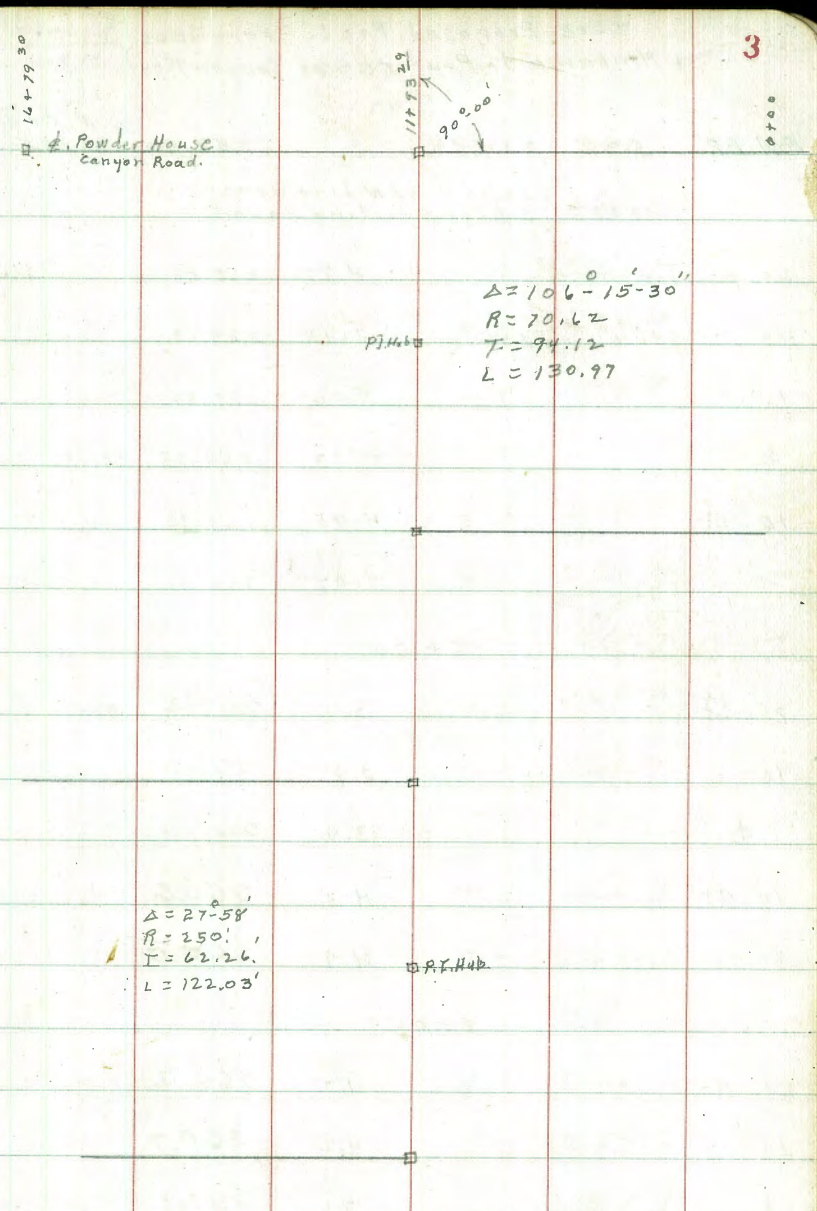
3+24 P.O.T. Hub



		Chd	Def ∠
13+89	52 E.C.		53°-07.45'
		14.49	
+75			47°-14.4'
		24.87	
+50			37°-05.9'
		24.87	
+25			26°-57.4'
		24.87	
13+00			16°-48.9'
		24.87	
+75			6°-40.4'
		16.40	
12+58	55 B.C. Hub	∠ 106°-15'-30" Rt.	

		Chd	Def ∠
12+05	14 E.C. Hub.		13.59
		8.13	
12+00			13°-23.7'
		24.99	
+75			10°-31.8'
		24.99	
+50			7°-40'
		24.99	
+25			4°-48'
		24.99	
11+00			1°-56.1'
		16.88	

10+83.11 B.C. Hub ∠ 27°-58' Lt.
=10+55 45 B.C. Hub F.B. 1480 P. 3



* See Proposed Road from Upas & Alabama to Powder House Canyon Road.

indexed C.S.R.

BM. BP.	5.38	264.88		259.50	N.W. Cor Upas & Alabama.	20' Lt		264.88 1+50	3.7	261.2	graded Rd
	0+00 =	39.90' S. of N. Line Upas. S. Edge existing Pavmt.				10' "			3.8	261.1	" "
20' Rt.	Top cmt. curb		4.87	260.01		℄			3.8	261.1	" "
20' "	gutter	pavmt.	5.40	259.48		10' Rt			4.0	260.9	" "
10' "		"	5.06	259.82		20' "			5.0	259.9	" "
℄		"	4.73	260.15	F.B. 1440			2+00			
10' Lt		"	4.45	260.43		20' Rt.			5.4	259.5	" "
20' "		"	4.07	260.81		10' "			4.6	260.3	" "
		0+50				℄			4.2	260.7	" "
20' Lt			3.7	261.2	graded Road	10' Lt			4.0	260.9	" "
10' "			3.9	261.0	" "	20' "			4.1	260.8	" "
℄			3.9	261.0	" "			2+50			
10' Rt			4.3	260.6	" "	20' Lt			4.6	260.3	" "
20' "			4.9	260.0	" "	10' "			4.6	260.3	" "
		1+00				℄			4.7	260.2	" "
20' Rt.			4.7	260.2	" "	10' Rt			4.9	260.0	" "
10' "			4.2	260.7	" "	20' "			5.6	259.3	" "
℄			3.8	261.1	" "	26' "	edge Berm.		4.4	260.6	" "
10' Lt			3.7	261.2	" "						
20' "			3.5	261.4	" "						

264.88

2+75

20' Rt		5.0	259.9	edge Berm	
10' "		5.2	259.7	graded Rd.	
℄		4.9	260.0	" "	
10' Lt		4.9	260.0	" "	
20' "		4.7	260.2	" "	

3+00

20' Lt		5.0	259.9	" "	
10' "		5.0	259.9	" "	
℄		5.1	259.8	" "	
10' Rt.		4.9	260.0	" "	
12' "	edge Berm.	5.0	259.9	" "	
20' "		9.6	255.3		
30' "		10.9	254.0		

3+26

35' Rt		13.4	251.5		
20' "		12.5	252.4		
16' "		10.2	254.7		
℄	edge Berm	4.8	260.1	graded Rd	
10' Lt.		5.1	259.8	" "	
20' "		5.0	259.9	" "	

264.88

3+60

20' Lt.	edge Berm		4.6	260.3	graded Rd.
10' "			10.2	254.7	
℄			15.0	249.9	
10' Rt			16.3	248.6	
20' "			16.0	248.9	
40' "			16.8	248.1	

3+72

40' Rt.			18.5	246.4	
20' "			17.8	247.1	
10' "			17.8	247.1	
℄			16.0	248.9	
10' Lt.			11.8	253.1	
20' "			6.6	258.3	
25' "	edge Berm.		4.6	260.3	

Curb inlet 62.3' E. of ℄

Flow Line			9.84	255.04	
Top grating			6.39	258.49	
" Curb.			5.53	259.35	
Sta 3+74.24	0.8' Rt. of ℄ End Culvert.		17.0	247.9	Flow Line.

		26+88			
		3+77			
25' Lt.	edge Berm		5.0	259.9	
20' "			7.7	257.2	
10' "			13.3	251.6	
℄			17.0	247.9	
7' Rt.			23.8	241.9	Wash
10' "			23.9	241.0	"
20' "			18.7	246.2	
40' "			19.8	245.1	
		3+91 B.C. Rt.			
50' Rt			21.6	243.3	
25' "			25.3	239.6	
20' "	Wash		31.6	233.3	
14' "			28.4	236.5	
5' "			18.2	246.7	
℄			17.0	247.9	
10' Lt			15.1	249.8	
20' "			13.4	251.5	
34' "	edge Berm		4.5	260.4	

		26+88		
		4+06		
47' Lt	edge Berm		3.8	261.1
31' "			11.7	253.2
20' "			13.5	251.4
10' "			16.1	248.8
℄			16.9	248.0
10' Rt.			21.7	243.8
20' "			26.4	238.5
24' "			27.8	237.1
25' "	Wash		33.0	231.9
29' "	"		33.2	231.7
32' "			27.8	237.1
55' "			25.6	239.3
57' "			23.6	241.3
		4+25		
67' Rt.			27.5	237.4
52' "			32.0	232.9
50' "	Wash.		35.7	229.2
39' "	"		35.0	229.9
36' "			30.0	234.9
20 "			21.8	243.1

		264.88		
		4+25 (con)		
10' Rt.			18.4	246.5
℄			16.3	248.6
10' Lt			14.3	250.6
20' "			13.3	251.6
60' "			6.0	258.9
70' "	edge Berm		2.4	262.5
		4+50		
40' Lt			10.5	254.5
30' "			12.7	252.2
T.P.	3.64	255.85	12.71	252.17
20' Lt			5.0	250.9
10' "			6.7	249.2
℄			8.1	247.8
10' Rt			10.0	245.9
20' "			13.5	242.3
52' "			25.4	230.5
53' "	Wash.		28.0	227.9
57 "	"		28.6	227.3
58 "			26.5	229.4
70' "			24.0	231.9

		255.85			
		4+75			
43' Rt			18.2	237.6	
30' "			13.0	242.8	
20' "			11.6	244.2	
10' "			9.8	246.0	
℄			8.2	247.6	
10' Lt			6.7	249.1	
20' "			5.4	250.4	
30' "			3.7	252.1	
T.P.	2.68	255.08	3.45	252.40	P.I. Hub.
		5+00			
30' Lt			3.8	251.3	
20' Lt			5.3	249.8	
10' "			6.0	249.1	
℄			7.8	247.3	
10' Rt			9.1	246.0	
20' "			10.2	244.9	
40' "			14.5	240.6	

			255.08		
			5+25		
10	40' Rt			15.4	239.7
℄	20' "			12.7	242.4
10	10' "			11.3	243.8
20	℄			10.1	245.0
60	10' Lt.			8.9	248.2
70	20' "			7.5	247.6
	30' "			6.5	248.6
40	T.P.	1.39	244.94	11.53	243.55
30'			5+65.71	E.C.	
T.1	30' Lt			1.0	243.9
20	20' "			2.0	242.9
10'	10' "			3.0	241.9
℄	℄ Hub.			4.09	240.85
10'	10' Rt			5.1	239.8
20'	20' "			6.1	238.8
52'	40' "			8.2	236.7
53'			6+00		
57	40' Rt			14.5	230.4
58	25' "			10.6	234.3
70'	20 "			9.5	235.4

			244.94		
10' Rt				8.6	236.3
℄				7.6	237.3
10' Lt				6.3	238.6
20' "				4.5	240.4
30' "				3.7	241.2
			6+30		
30' Lt				5.6	239.3
20' "				6.8	238.1
30' "				8.0	236.9
℄				9.3	235.6
10' Rt				10.7	234.2
20' "				11.7	233.2
30' "				14.8	230.1
			6+67.06	BC ∠ 40°-30' Lt.	
30' Rt				17.2	227.7
20' "				14.7	230.2
10' "				12.6	232.3
℄ Hub				11.11	233.83
10' Lt				9.5	235.4
20' "				8.5	236.4
30' "				7.7	237.2

		244.94					232.74			
		7+00								
30' Lt.			8.9	236.0		℄		4.1	228.6	
20' "			10.0	234.9		10' Rt		5.8	226.9	
10' "			11.0	233.9		20' "		7.7	225.0	
℄			12.4	232.5		30' "		10.0	222.7	
10' Rt.			14.4	230.5			7+7.5			
20' "			16.4	228.5		30' Rt		15.4	217.3	
30' "			17.6	227.3		20' "		12.0	220.7	
		7+25				10' "		9.6	223.1	
30' Rt.			19.9	225.0		℄		7.1	225.6	
20' "			18.2	226.7		10' Lt		5.2	227.5	
10' "			16.0	228.9		20' "		3.5	229.2	
℄			13.6	231.3		30' "		2.2	230.5	
10' Lt.			12.3	232.6			8+00			
20' "			11.1	233.8		30' Lt.		6.2	226.5	
30' "			10.2	234.7		20' "		7.3	225.4	
		7+50				10' "		9.5	223.2	
30' Lt			12.3	232.6		℄		12.0	220.7	
T.P.	0.46	232.74	12.66	232.28		10' Rt		14.3	218.4	
20' Lt			1.3	231.4		20' "		17.5	215.2	
10' "			2.7	230.0		30' "		20.1	212.6	

		232.74		
T.P.	0.02	220.06	12.70	220.04
		8+25		
40' Rt			13.0	207.1
20' "			8.9	211.2
10' "			7.0	213.1
℄			5.2	214.9
10' Lt.			3.3	216.8
20' "			1.7	218.4
30' "			1.0	219.1
		8+50		
30' Lt.			9.5	210.6
20' "			10.0	210.1
10' "			10.8	209.3
℄			12.0	208.1
10' Rt.			13.4	206.7
20' "			14.9	205.2
40' "			18.0	202.1

		220.06		
		8+75		
40' Rt			22.7	197.4
20' "			19.7	200.4
10' "			18.8	201.3
℄			18.1	202.0
10' Lt.			18.0	202.1
20' "			17.9	202.2
40' Lt. ℄ Wash.			17.8	202.3
		8+82		
40' Lt			16.0	204.1
30' Lt.			17.2	202.9
20' Lt. ℄ Wash.			21.3	198.8
10' Lt. " "			22.1	198.0
℄ " "			23.5	196.6
4' Rt. " "			23.8	196.3
10' "			20.3	199.8
20' "			20.8	199.3
40' "			24.5	195.6

	220.06		
	9+00		
40' Rt	27.0	193.1	
32' " W. Bank cut drainage ditch	26.0	194.1	
30' " ℄ " " "	29.0	191.1	
28' " E. " " " "	26.5	193.6	
20' "	24.3	195.8	
10' "	22.0	198.1	
℄	20.0	200.1	
10' Lt.	18.4	201.7	
20' "	16.6	203.5	
40' "	12.2	207.9	
	9+20 84 E.C.		
25' Lt	10.0	210.1	
20' "	12.1	208.0	
10' "	14.8	205.3	
℄	18.3	201.8	
10' Rt	21.8	198.3	
20' "	24.4	195.7	
37' Rt E. Bank cut drainage ditch	27.2	192.9	
39 " ℄ " " "	30.2	189.9	
41' " W " " " "	28.0	192.1	

		220.06			
		9+50			
40' Rt				32.0	188.1
34 Rt = W. Bank cut. Drainage ditch				30.7	189.4
33 " ℄ " " "				32.7	187.4
32 " E Bank " " "				29.2	190.9
20' "				27.3	192.8
10' "				24.4	195.7
℄				20.1	200.0
10' Lt.				17.1	203.0
20' "				11.6	208.5
25' "				9.5	210.6
		9+75			
25' Lt.				15.5	204.6
20' "				16.4	203.7
10' "				21.5	198.6
℄				24.9	195.2
T.P.	0.10	207.24		12.92	207.14
T.P.	8.85	203.35		12.74	194.50
10' Rt.				10.6	192.8
20' "				12.4	191.0
28' " = E Banks cut. ditch				13.6	189.8
29' " = ℄ " "				16.0	187.4

203.35

9+75 (con)

30' Rt. = W. Bank cut. Ditch	13.5	189.9
46 " = Top Bank. P.H.C.Rd.	17.0	186.4
10+00		
43 Rt. = Top Bank P.H.C.Rd.	18.2	185.2
27' " = W. Bank cut. Ditch	16.0	187.4
26' " ℄ " "	17.4	186.0
25' " E. " " "	15.5	187.9
20' "	14.5	188.9
10' "	12.5	190.9
℄	11.0	192.4
10' Lt.	8.8	194.6
20' "	5.9	197.5
25' "	3.7	199.7
10+50.		
25' Lt.	7.1	196.3
20' "	9.0	194.4
10' "	11.3	192.1
℄	13.6	189.8
10' Rt	15.6	187.8
17' " E. Bank cut. ditch	16.9	186.5

203.35

18 Rt. ℄ cut. ditch	18.9	184.5
20' " W. Bank " "	17.3	186.1
33' " Top Bank P.H.C.Rd.	19.3	184.1
10+83 " B.C. ∠ 27°-58' Lt.		
27' Rt. Top Bank P.H.C.Rd.	20.7	182.7
20' "	19.7	183.7
15' " = W. Bank cut ditch	18.9	184.5
13' " = ℄ " "	20.0	183.4
11' " E " " "	18.2	185.2
10' "	17.9	185.5
℄	16.0	187.4
10' Lt.	12.6	190.8
20' "	8.1	195.3
25' "	6.0	197.4
11+00		
25' Lt	4.8	198.6
20' "	7.0	196.4
10' "	11.5	191.9
℄	15.7	187.7
10' Rt = E. Bank cut. ditch	18.9	184.5

		203.35			
		11+00 (con)			
11' Rt	℄	cut. ditch	20.9	182.5	
12' "	W Bank	" "	19.6	183.8	
20' "			20.7	182.7	
24' "	Top Bank P.H.C.Rd.		20.9	182.5	
T.P.	4.35	195.49	12.21	191.14	
		11+25			
21' Rt	Top Bank P.H.C.Rd.		13.3	182.2	
11' "	= W. Bank cut ditch		11.8	183.7	
9.5' "	℄	" "	13.8	181.7	
8.4'	E "	" "	11.0	184.5	
℄			8.3	187.2	
10' Lt.			3.5	192.0	
20' "			+1.4	196.9	
25' "			+4.4	199.7	
		11+50			
25' Lt.			+3.6	199.1	
20' "			+1.0	196.5	
10' "			4.1	191.4	
℄			8.1	187.4	
16' Rt	E. Bank cut. ditch		11.4	184.1	

		195.49			
11' Rt	℄	cut. Ditch	14.4	181.1	
12' Rt	W. Bank	" "	11.8	183.7	
22' "	= Top Bank P.H.C. Rd.		14.8	180.7	
		11+75			
25' Rt.	= Top Bank P.H.C. Rd.		15.1	180.4	
20' "			13.6	181.9	
17' "	= W. Bank cut ditch		13.1	182.4	
16' "	℄	" "	15.4	180.1	
15' "	E. Bank "	"	12.4	183.1	
10' "			11.2	184.3	
℄			8.0	187.5	
10' Lt.			4.0	191.5	
20' "			0.2	195.3	
25' "			+2.3	197.8	
		11+90			
25' Lt			+0.9	196.4	
20' "			1.6	193.9	
10' "			5.3	190.2	
℄			8.6	186.9	
10' Rt			11.3	184.2	

		195.49					185.59		
		11+90 (con)							
18' Rt.	= E. Bank	cut. ditch	13.6	181.9	℄			3.3	182.3
19' "	= ℄	" "	16.2	179.3	10' Rt			6.3	179.3
20' "	= W "	" "	14.1	181.4	20' "			8.7	176.9
29' "	= Top. Bank	P.H.C.Rd.	16.7	178.8	36' "			11.8	173.8
		12+05 14 E.C.			40' "	Berm P.H.C.Rd.		9.5	176.1
33' Rt.	= Edge	P.H.C.Rd	18.6	176.9	43' "	gutter " "	"	10.2	175.4
25' "	= W. Bank	cut. Ditch	16.7	178.8				12+58 55 B.C. Δ 106° 15' 30" Rt.	
24' "	= ℄	" "	17.7	177.8	70.628 Rt	℄ P.H.C. Rd		10.8	174.8
23' "	= ℄	" "	16.2	179.3	53' Rt.	℄ gutter. P.H.C.Rd.		11.0	174.6
20' "			15.3	180.2	50' "	℄ Berm " " "		10.2	175.4
10' "			13.0	182.5	43' "			13.3	172.3
℄	Hub		10.22	185.27	20' "			11.6	174.0
10' Lt.			4.4	189.1	10' "			10.3	175.3
20' "			2.5	193.0	℄			9.07	176.52
25' "			0.6	194.9	10' Lt.			6.9	178.7
	12+15 = S. End.	cut. Drainage	Ditch		20' "			4.4	181.2
		12+25.			25' "			2.7	182.9
25' Lt.			5.8	189.7					
20' "			4.4	189.1					
10' "			9.2	186.3					
T.P.	1.00	185.59	10.90	184.59					

		185.59						185.59			
		12475.									
30' Lt.			5.6	180.0		10' Lt			15.0	170,6	
20' "			8.7	176.9		℄			15.0	170,6	
10' "			10.5	175.1		10' Rt			15.0	170,6	
℄			10.7	174.9		20' "			14.9	170,7	
10' Rt			11.5	174.1		36' "			14.8	170.8	
20' "			12.5	173.1				13.50			
44 "			13.5	172.1		20' Rt.			15.2	170.4	
51' "	E. Berm P.H.C. Rd.		10.2	175.4		10' "			15.2	170.4	
53 "	E Gutter P.H.C. Rd		11.3	174.3		℄			14.6	171.0	
		13+00				10' Lt.			14.6	171.0	
42' Rt			13.8	171,8		20' "			17.4	168.2	
20' "			13.5	172.1		40' "			17.5	168.1	
10' "			13.4	172.2				13+61			
℄			13.0	172.6		50 Lt.			15.6	170.0	
10' Lt.			12.9	172.7		25' "			14.8	170,8	
20' "			12.4	173.2		20' "			17.7	167.9	
30' "			11.8	173.8		10' "			14.5	169.1	
		13+25				℄			14.0	169.6	
30' Lt			14.5	171.1		10' Lt.			13.1	172.5	
20' "			15.0	170.6		20' "	E. Berm P.H.C.Rd.		10.7	174.9	

	185.59			
	13+69.			
20' Rt.	in P.H.C. Rd.	11.5	174.1	
10' "	gutter	12.5	173.1	
℄ & Berm	" "	11.5	174.1	
10' Lt.		13.2	172.4	
20' "	Toe slope	14.4	171.2	
50' "		15.4	170.2	
	15+75.			
50' Lt.	Toe slope	15.0	170.6	
29' Lt	Berm P.H.C. Rd	11.5	174.1	
20' "		11.5	174.1	
10' "		12.9	172.7	
℄		12.0	173.6	
	13+89 52 E.C. = ℄ P.H.C. Rd.			
℄		11.9	173.7	
50' Lt	℄ P.H.C. Rd	12.7	172.9	
100' "	" " " "	13.8	171.8	
BM. #2		6.97	178.62	F.B. 1480 P 4 = 178.60

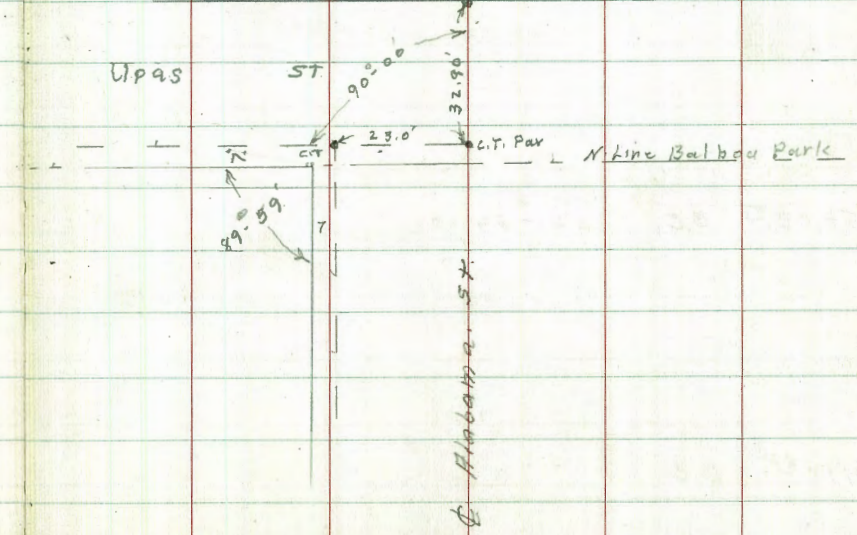
11-2-34
Miller
Walker
Bliss.

"B" Alternate Line
From Alabama & Upas to P.H.C. Rd.

Indexed
C.S.K.

4+18.45	E.C. 18.44	Defl 26°-28'
4+00		24.42.3
	49.35	
+50		19-55.8'
3+00		15-09.3'
+50		10°-22.8'
	49.95	
2+00		5°-36.3"
	58.65	
1+41.29	B.C. ∠ 52°-56' Rt	

0+00 Nail. F.B 1480 S. Edge Ex. Pav



Δ = 52°-56'
R = 300.00'
T = 149.36'
L = 277.16

P.I.

7+95 46 E.C.

5+03.92 B.C. ∠ 41° 54' Lt.

4+18 45 E C

Δ = 41° 54'
R = 400'
T = 153.14'
L = 292.52'

P.I. Hub

11-5-34 Miller Walker Bleau

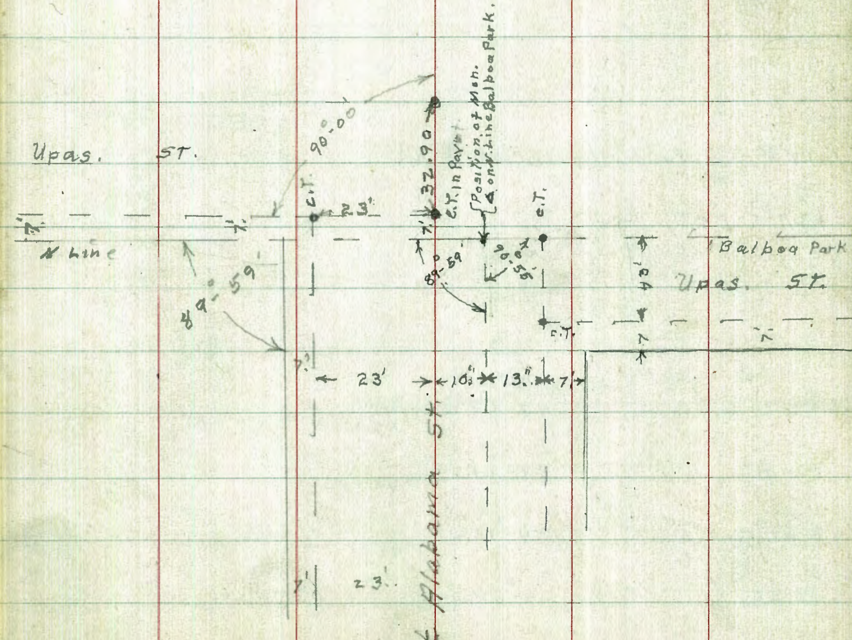
"C" Alternate Line
From Alabama & Upas. to P. H. C. Rd.
Thence to Upas. & Park Blvd.
Following Alignment F.B. 1291 P 40.

Sta.		Def ∠	Chd
			31.52
4+18⁴⁵	P.O.C. Hub	26°-28'	
			18.44
4+00		24°-42.3'	✓
			49.95
+50		19°-55.8'	✓
			49.95
3+00		15°-09.3'	✓
			49.95
+50		10°-22.8'	✓
			49.95
2+00		5°-36.3'	✓
			58.65'
1+41²⁹	BC	Δ 87°-36'-24" Rt.	

0+00 Nail S. Edge Existing Pavmt. F.B. 1480.

Indexed C.S.K.

Δ = 87°-36'-24"
R = 300.00
L = 458.71'
T = 287.72'
Def 5.729 per 1'



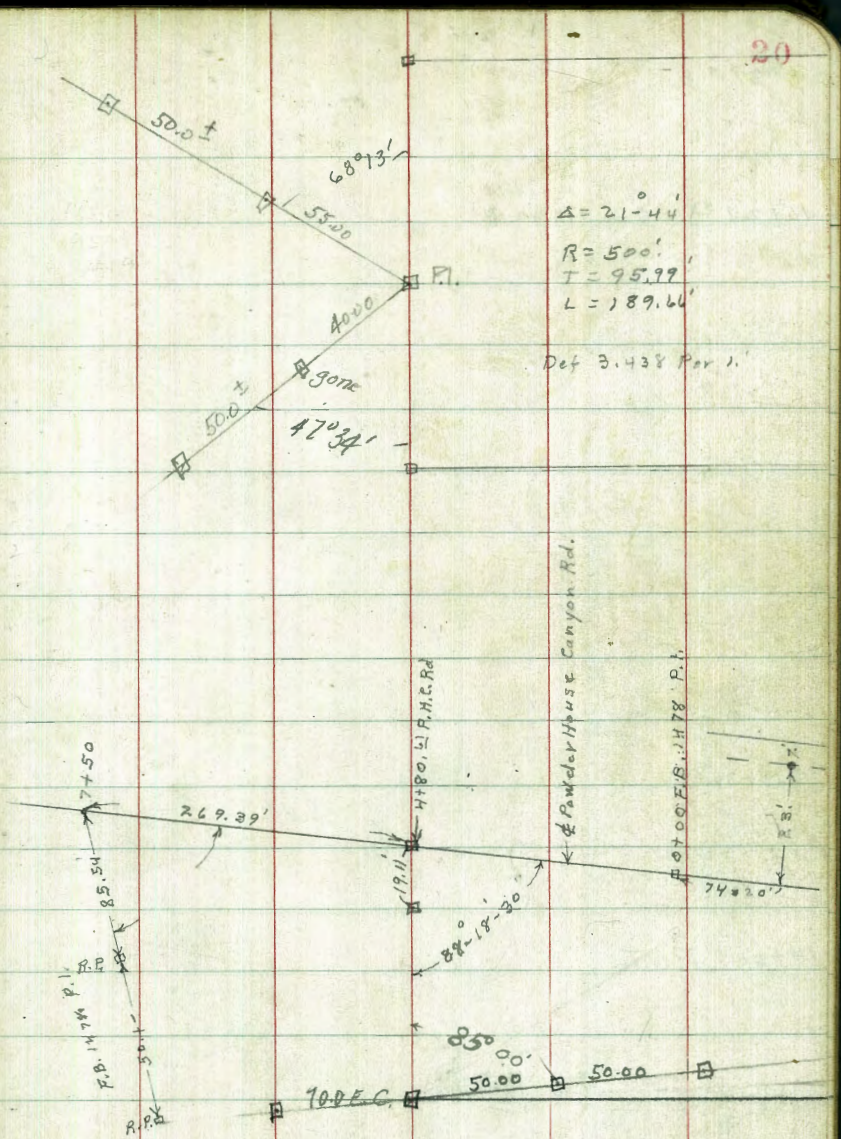
	Def ∠	Chd	
10+58.16 E C	10°-52'		
		31.14	
10+25	8°-58'		
		24.99	
10+00	7°-32'		
+75	6°-06.2'		868.50
			95.99
+50	4°-40.2'		964.49
			868.63
+25	3°-14.3'		95.86
		24.99	
9+00	1°-48.3'		
		37.49	

8+68.50 B.C. ∠ 21°-44' Rt

7+48.78 P.I. Pouder House Canyon Rd.

7+29.67 P.O.T.

	Def ∠.	
6+00 E.C.	43°-48.2'	
		49.95
+50	39°-01.7'	
		49.95
5+00	34°-15.2'	✓
		49.95
4+50	29°-28.7'	✓
		31.52

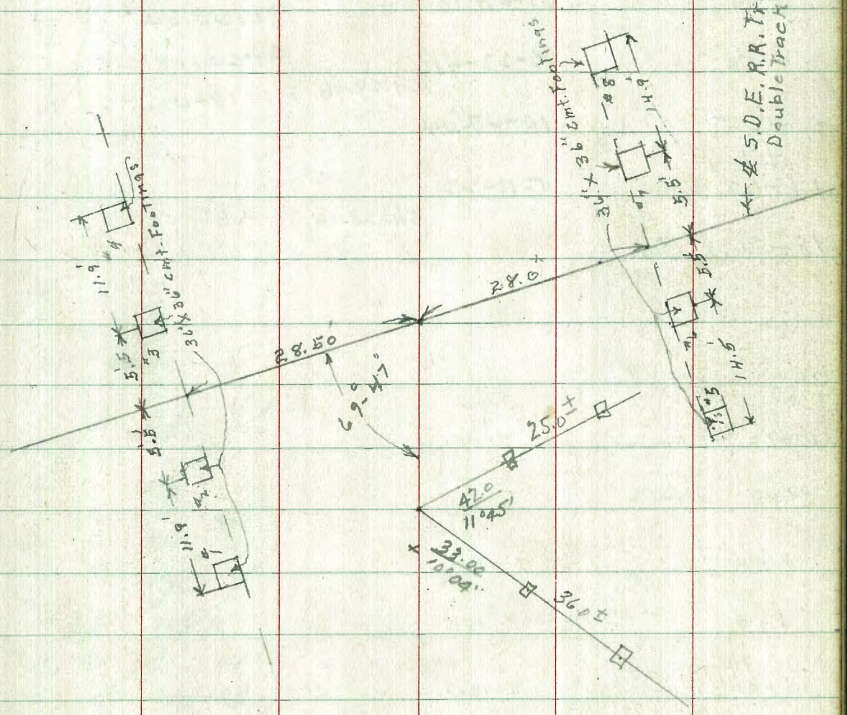


16+24 52 B.C. ∠ 17° 00' Rt.

15+36.84

14+00 P.O.T.

10+58 14 E.C.



20+08.75 P.I. Line 20' Rt. & E. of Park Blvd

19+95.84 P.I. ℄ & E. of Park Blvd.

19+84.11 " " Line 20' Lt. & E. of Park Blvd.

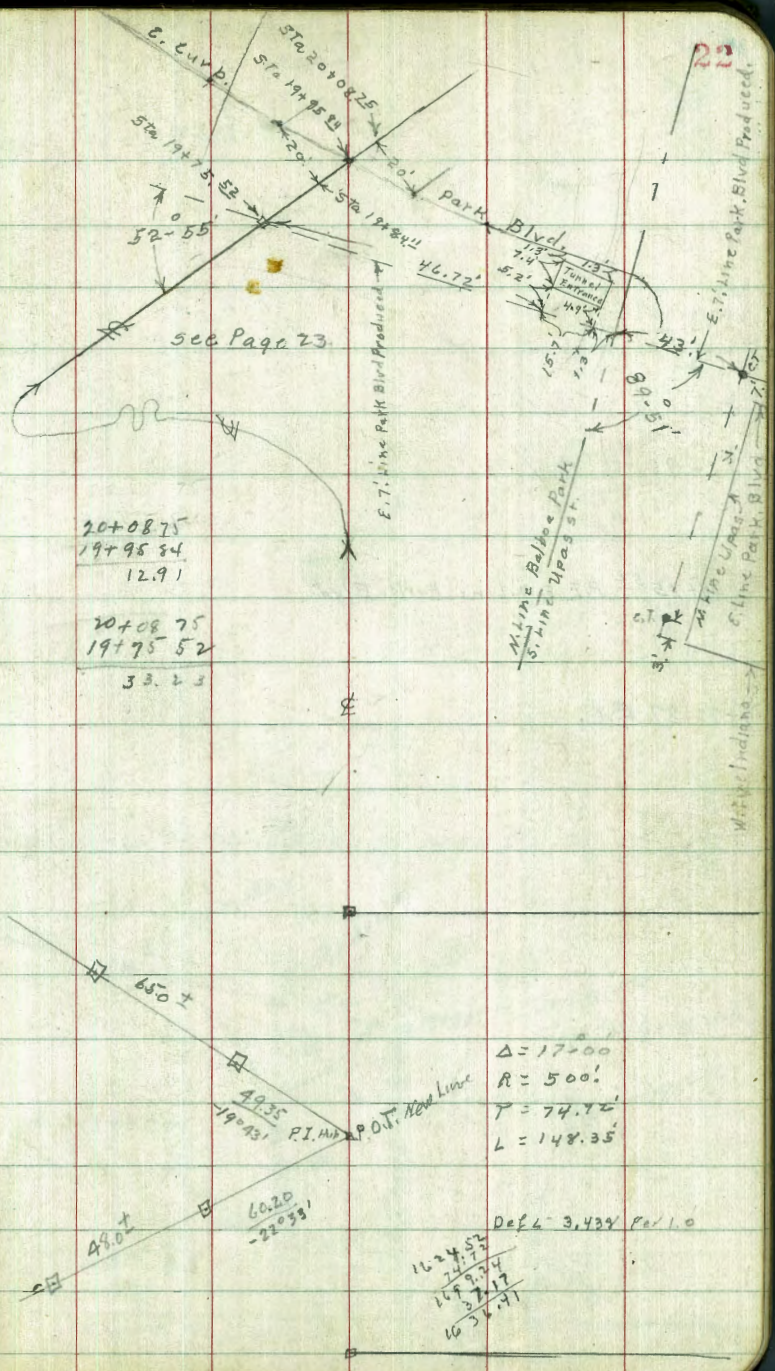
19+75.52 P.I ℄ & E. 7' Line Park Blvd.

19+95.05 E.C.	26-27-28	20.02	Δ = 52-55	See Page 23
+75	21-58-18		T = 63.72	
+50	16-22-41	CH=24.96	R = 128.04	
+25	10-47-04		Arc = 118.25	
19+00	5-11-22	CH=23.16	PI = 19+40.52	
18+76.8 BC.				

Partridge

Note: For New Park Blvd Connection
See Book 1520 Pages 49-50
See Book 1520 Pages 54
" "E" Line

17+72.87 E.C.	Def ∠ 8°-30'	
+50	7°-11.4'	
+25	5°-45.5'	
17+00	4°-19.5'	
+75	2°-53.6'	
16+50	1°-27.6'	
16+24.52 B.C.	∠ 17°-00'	Rt.

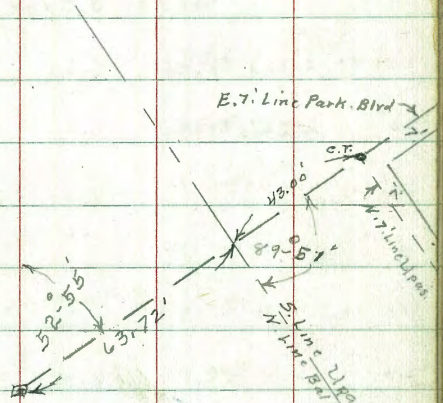


98-14-30

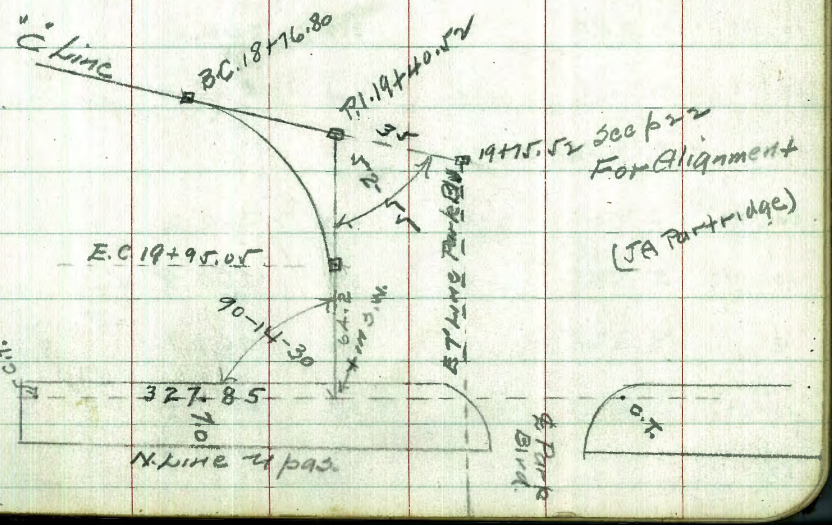
19+95.54

19+75.52 P.I E. 7th Line Park. Blvd.

17+72.87 E.C.



Layout "C" Line Running into Upas.



X See "C" Line. Road.
from Upas & Alabama to Upas & Park Blvd.

B.M. B.P.	4.85	264.35		259.50	N.W. Upas & Alabama.
	0+00 = S. Edge Existing Pavmt				
20' Rt. S. End. Ex. Cb.			4.34	260.01	
20' " S. End. Ex Pav			4.87	259.48	
10' " " " " "			4.53	259.82	
℄ " " " "			4.20	260.15	
10' Lt. " " "			3.92	260.43	
20' " " " "			3.54	260.81	
		0+50			
20' Lt.	graded	Road	3.2	261.2	
10' "	"	"	3.4	261.0	
℄	"	"	3.4	261.0	
10' Rt.	"	"	3.8	260.6	
20' "	"	"	4.4	260.0	
		1+00			
20' Rt.	"	"	4.2	260.2	
10' "	"	"	3.6	260.8	
℄	"	"	3.3	261.1	
10' Lt.	"	"	3.2	261.2	
20' "	"	"	3.1	261.3	

Indexed
C.S.N.

264.35

1+41.29 B.C. ∠87-36'-24" Rt.

20' Lt.	graded	Road	3.3	261.1
10' "	"	"	3.3	261.1
℄	"	"	3.3	261.1
10' Rt.	"	"	3.5	260.9
20' "	"	"	4.4	260.0
	2+00			
20' Rt.	"	"	5.4	259.0
10' "	"	"	4.5	259.9
℄	"	"	3.8	260.6
10' Lt.	"	"	3.7	260.7
20' "			3.5	260.9
	2+50			
20' Lt	"	"	4.3	260.1
10' "	"	"	4.4	260.0
℄	"	"	5.1	259.3
10' Rt.	Berm	"	4.8	259.6
13' "			7.2	257.2
20' "			7.6	256.8
30' "			8.3	256.1

		264.35					264.35			
		2+64								
30' Rt			8.7	255.7		10' Lt.		9.9	254.4	
20' "			8.2	256.2		20' "		9.4	254.9	
10' "			7.7	256.7		33' "	Berm	4.5	259.8	
℄ "			7.2	257.2		T.P.	2.84	254.30	12.91	251.44
℄	Berm.		4.4	259.7				3+50		
10' Lt	graded	Road	4.8	259.5		30' Lt.			5.0	249.3
20' "	"	"	4.6	259.7		20' "			4.9	249.4
		2+73				10' "			4.8	249.5
20' Lt	"	"	4.6	259.7		℄			4.6	249.7
10' "	"	"	4.6	259.7		10' Rt.			4.4	249.9
"	Berm		4.8	259.5		20' "			4.5	249.8
℄			8.0	256.3		30' "			4.3	250.0
10' Rt			8.4	255.9				4+00		
20' "			9.0	255.3		30' Rt.			10.0	244.3
30' "			9.3	255.0		20' "			10.0	244.3
		3+00				10' "			10.0	244.3
30' Rt.			10.7	253.6		℄			9.7	244.6
20' "			10.5	253.8		10' Lt.			10.0	244.3
10' "			10.3	254.0		20' "			10.3	244.0
℄			10.2	254.1		30' "			10.0	244.3

		254.30					242.58			
		4+20								
30' Lt			15.5	238.8	℄			11.7	230.9	
20' "			13.8	240.5	10' Rt.			10.2	232.4	
10' "			13.0	241.3	20' "			9.0	233.6	
℄			13.1	241.2	30' "			8.3	234.3	
10' Rt.			12.7	241.6	T.P.	0.15	229.67	13.06	229.52	
20' "			12.4	241.9			5+50			
30' "			11.9	242.4	40' Rt			3.9	225.8	
T.P.	0.92	242.58	12.24	241.66	20' "			3.6	226.1	
		4+50			10' "			4.0	225.7	
30' Rt.			3.8	238.8	℄			6.2	223.5	
20' "			3.9	238.7	10' Lt.			8.1	221.6	
10' "			4.5	238.1	20' "			10.2	219.5	
℄			5.9	236.7	30' "			12.8	216.9	
10' Lt.			5.7	232.9	T.P.	0.27	217.20	12.74	216.93	
20' "			7.2	235.4			6+00	E.C.		
30' "			10.7	231.9	30' Lt.			11.9	205.3	
		5+00			26' "			8.8	208.4	
30' Lt			17.9	224.7	20' "			7.3	209.9	
20' "			15.5	227.1	10' "			6.2	211.0	
10' "			13.1	229.5	℄ Hub.			5.82	211.38	

		217.20					205.22			
		6+00 E.C. (con.)					6+85			
10' Rt			5.1	212.1		30' Rt.		8.5	196.7	
20' "			4.7	212.5		20' "		8.4	196.8	
30' "			5.0	212.2		10' "		8.5	196.7	
		6+25				℄		8.5	196.7	
30' Rt.			9.1	208.1		10' Lt.		8.3	196.9	
20' "			9.2	208.0		20' "		8.5	196.7	
10' "			9.5	207.7		30' "		8.2	197.0	
℄			9.8	207.4			6+96			
10' Lt			10.0	207.2		30' Lt.		10.5	194.7	
20' "			10.9	206.3		20' "		11.5	193.7	
30' "			12.7	204.5		10' "		12.0	193.2	
T.P.	0.37	205.22	12.35	204.85		℄		12.8	192.4	
		6+50				10' Rt		12.0	193.2	
30' Lt.			3.8	201.4		20' "		11.0	194.2	
20' "			3.6	201.6		30' "		10.5	194.7	
10' "			3.2	202.0		T.P.	0.70	192.94	12.98	192.24
℄			2.6	202.6			7+10			
10' Rt.			2.8	202.4		30' Rt.		5.6	187.3	
20' "			2.6	202.6		20' "		5.8	187.1	
30' "			2.5	202.7		10' "		5.8	187.1	

192.94

7+10 (con.)

℄	5.9	187.0
10' Lt	5.9	187.0
20' "	5.6	187.0
30' "	4.8	188.1
7+30 {at ∠ of 88°-18'-30" from ℄ Parallel to P.H.C. Rd}		E. Berm P.H.C. Rd
50' Lt	6.2	186.7
20' "	4.0	186.9
10' "	5.6	187.3
℄	5.4	187.5
10' Rt	5.1	187.8
20' Rt.	4.9	188.0
50' "	4.4	188.5
7+32 = E. Gutter P.H.C. Rd.		
50' Rt	5.6	187.3
20' "	6.3	186.6
10' "	6.5	186.4
℄	6.7	186.2
10' Lt	6.9	186.0
20' "	7.1	185.8
50' "	7.5	185.4

192.94

7+34 = E. edge P.H.C. Rd.

50' Lt.	6.9	186.0
20' "	6.5	186.4
10' "	6.3	186.6
℄	6.2	186.7
10' Rt	6.0	186.9
20' "	5.8	187.1
50' "	5.2	187.7
7+48½ ℄ P.H.C. Rd.		
100' Rt	3.8	189.1
50' "	4.8	188.1
20' "	5.5	187.4
10' "	5.7	187.2
℄	5.9	187.0
10' Lt	6.2	186.7
20' "	6.4	186.5
50' "	6.9	186.0
100' "	7.7	185.2

19294

7+64 = W. gutter P.H.C.Rd

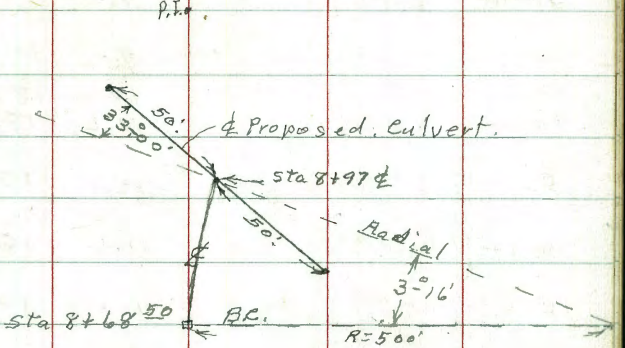
50' Lt		7.0	185.9
20' "		6.6	186.3
10' "		6.4	186.5
℄		6.3	186.6
10' Rt		6.0	186.9
20' "		5.8	187.1
50' "		5.1	187.8
	7+67 = W. Berm P.H.C.Rd, Sec. Parallel to P.H.C.Rd.		
50' Rt.		4.3	188.6
20' "		4.9	188.0
10' "		5.1	187.8
℄		5.3	187.6
10' Lt		5.5	187.4
20' "		5.8	187.1
50' "		6.0	186.9
	7+72		
50' Lt.		8.7	184.2
30' "		9.3	183.6
20' "		9.5	183.4
10' "		9.2	183.7

19294

℄		8.9	184.0
10' Rt		9.2	183.7
20' "		8.8	184.1
30' "		8.5	184.4
50' "		8.2	184.7
	8+00		
30' Rt		8.1	184.8
20' "		8.1	184.8
10' "		8.3	184.6
℄		8.3	184.6
10' Lt		8.5	184.4
20' "		8.7	184.2
30' "		9.3	183.6
	8+50		
30' Lt		9.2	183.7
20' "		8.8	184.1
10' "		9.0	183.9
℄		8.4	184.5
10' Rt		8.1	184.8
20' "		8.0	184.9
30' "		7.4	185.5

		192.94		
T.P.	10.07	193.71	9.30	183.64
		8+68.50 B.C.	∠ 21°-44' Rt.	
30' Rt			8.9	184.8
20' "			8.9	184.8
10' "			8.9	184.8
℄ Hub			9.38	184.33
10' Lt			9.2	184.5
20' "			9.7	184.0
30' "			10.1	183.6
		8+87		
30' Lt			9.8	183.9
20' "			9.3	184.4
10' "			9.0	184.7
℄			9.0	184.7
10' Rt.			9.8	183.9
17' "	In wash		11.4	182.3
20' "	" "		11.4	182.3
27' "	" "		11.2	182.5
30' "			9.8	183.9

Culvert Location



193.71

Culvert Profile & Wash

40' Rt.	Wash 7' wide	11.3	182.4
20' "	" 7' "	11.5	182.2
℄ at. sta 8+97	Wash 10' wid.	12.0	181.7
20' Lt.	Wash 10' wide	12.0	181.7
40' Lt.	" 9' "	12.4	181.3

		193.71		
		9+00		
30' Rt			9.1	184.6
20' "			9.2	184.5
12' "			10.2	183.5
10' "	in wash		11.6	182.1
℄	" "		12.1	181.6
10' Lt	" "		11.6	182.1
18 "	" "		11.5	182.2
20' "			9.6	184.1
30' "			9.6	184.1
		9+10		
30' Lt	in wash		11.8	181.9
20' "	" "		11.9	181.8
10' "	" "		11.9	181.8
7' "	" "		11.9	181.8
5' "			10.3	183.4
℄			9.8	183.9
10' Rt			9.3	184.4
20' "			9.2	184.5
30' "			9.3	184.4

		193.71		
		9+25		
30' Rt			9.0	184.7
20' "			9.4	184.3
10' "			9.5	184.2
℄			9.2	184.5
10' Lt			9.0	184.7
20' "			8.8	184.9
30' "			8.6	185.1
		9+50		
25' Lt			6.5	187.2
22' "			5.0	188.7
20' "			5.0	188.7
10' "			3.8	189.9
℄			3.5	190.2
10' Rt			4.3	189.4
20' "			4.5	189.2
30'			6.1	187.6
T.P.	12.07	204.99	0.79	192.92

		204.99		
		9+75		
30' Rt.		13.0	192.0	
20' "		12.5	192.5	
10' "		12.0	193.0	
℄		11.7	193.3	
10' Lt		11.9	193.1	
20' "		12.6	192.4	
27' "		14.5	190.5	
30' "	Wash	16.7	188.3	
		10+00		
30' Lt		10.4	194.6	
20' "		9.0	196.0	
10' "		8.4	196.6	
℄		8.7	196.3	
10' Rt		9.8	195.2	
20' "		10.8	194.2	
30' "		11.5	193.5	
		10+25		
30' Rt		4.9	196.1	
20' "		5.0	200.0	
10' "		4.6	200.4	

		204.99		
℄			4.5	200.5
10' Lt			5.5	199.5
20' "			6.6	198.4
30' "			8.4	196.6
		10+58 16	E.C.	
30' Lt			4.9	200.1
20' "			3.2	201.8
10' "			1.9	203.1
℄ Hub T.P.	13.28	217.19	1.08	203.91
10' Rt			11.7	205.5
20' "			11.1	206.1
30' "			9.6	207.6
		11+00		
30' Rt			4.0	213.2
20' "			5.2	212.0
10' "			7.1	210.1
℄			9.2	208.0
10' Lt			11.4	205.8
20' "			13.4	203.8
30' "			16.5	200.7

		217.19								
		11+50								
40' Lt			13.2	204.0		10' Lt			9.2	219.8
30' "			12.4	204.8		℄			5.6	223.4
20' "			9.5	207.7		10' Rt			1.7	227.3
10' "			7.4	209.8		T.P.	12.74	241.18	0.57	228.44
℄			5.1	212.1		20' Rt			10.3	230.9
10' Rt			3.0	214.0		30' "			6.8	234.4
20' "			0.5	216.7				13+15		
TP	12.41	229.01	0.59	216.60		30' Rt.			+3.2	244.4
30' Rt.			9.9	219.1		20' "			0.7	240.5
		12+00				10' "			6.3	234.9
30' "			6.4	222.6		℄			10.9	230.3
20' "			9.7	219.3		10' Lt			15.4	225.8
10' "			12.0	217.0		20' "			19.6	221.6
℄			14.4	214.6		30' "			21.2	220.0
10' Lt.			16.9	212.1		40' "			23.6	217.6
20' "			19.2	209.8				13+50		
35' "			20.7	208.3		40' Lt			20.1	221.1
		12+55				30' "			18.7	222.5
35' Lt			17.0	212.0		20' "			16.5	224.7
20' Lt			12.8	216.2		10' "			11.9	229.3

241.18
13+50 (cow)

℄			6.3	234.9
10' Rt			1.0	240.2
20' "			+5.0	246.2
30' "			+11.0	252.2
T.P.	12.09	252.67	0.60	240.58
		13+90		
30' Rt			+ 5.2	257.9
20' "			+ 2.1	254.8
10' "			1.8	250.9
℄			7.0	245.7
10' Lt			11.6	241.1
20' "			17.6	235.1
45' "			28.7	224.0
		14+15		
45' Lt.			26.1	226.6
20' "			16.6	236.1
10' "			11.8	240.9
℄			6.0	246.7
10' Rt.			0.4	252.3
20' "			+4.0	256.7

252.67

30' Rt	+7.0	259.7
14+50		
30' Rt	+7.0	259.7
20' "	+2.7	255.4
10' "	1.5	251.2
℄	7.0	245.7
10' Lt.	11.0	241.7
20' "	15.6	237.1
45' "	22.5	230.2
15+00		
45' Lt	22.5	230.2
20' "	13.1	239.6
10' "	10.2	242.5
℄	5.8	246.9
10' Rt	1.6	251.1
20' "	+2.0	254.7
30' "	+5.3	258.0

252.67

Cmt. Footings of S.D.E.R.R. Bridge S. of ℄
See Plat Page 21

Footing #1 E. side Bridge		13.26	239.41
" #1 ground.		13.8	238.9
" #2 Top.		13.30	239.37
" #2 ground.		14.0	238.7
" #3 Top.		13.30	239.37
" #3 ground.		14.7	238.0
" #4 Top. W. side Bridge		13.30	239.37
" #4 ground		14.8	237.9

cmt. Footings S.D.E.R.R. Bridge N. of ℄

T.P.	19.09 264.09	1.67	251.00
Footing #5 E. side Bridge		0.65	263.44
" #5 ground.		2.2	261.9
" #6 Top.		0.65	263.44
" #6 ground.		3.2	260.9
" #7 Top.		2.64	261.45
" #7 ground		4.3	259.8
" #8 Top W. side Bridge		2.64	261.45
" #8 ground.		5.3	258.8

264.09

15+50

30' Rt.	2.7	261.4
20' "	6.2	257.9
10' "	10.9	253.2
℄	14.3	249.8
10' Lt.	18.5	245.6
20' "	22.1	242.0
42' "	28.0	236.1

15+85

40 Lt	26.0	238.1
20' "	19.5	244.6
10' "	17.6	246.5
℄	14.6	249.5
10' Rt	10.5	253.6
20' "	7.6	256.5
30' "	4.1	260.0

15+95

30' Rt	3.4	260.7
20' "	6.6	257.5
10' "	10.5	253.6
℄	15.1	249.0

		264.09		
		15+95		
10' Lt			17.6	246.5
20' "			19.0	245.1
30' "			26.6	237.5
40 "			25.3	238.8
		16+02		
40 Lt			23.3	240.8
30' "			21.3	242.8
20' "			24.0	240.1
10' "			21.8	242.3
℄			17.8	246.3
10' Rt			11.3	252.8
20' "			7.3	256.8
30' "			3.7	260.4
		16+10		
30' Rt			4.7	259.4
20' "			7.7	256.4
10' "			10.5	253.6
℄			13.3	250.8
10' Lt			15.8	248.3
20' "			17.0	247.1
40' "			21.2	242.9

See Book 1520 P 54

		264.09			
		16+24 52 B.C. L 17°00' Rt.			
℄ Hub.			9.98	254.11	
		16+50			
40' Lt.			15.8	248.3	
20' "			9.5	254.6	
10' Lt.			6.8	257.3	
℄			3.9	260.2	
10' Rt.	See B1663 P 1		0.5	263.6	
20' "			+2.4	266.5	
30' "			+4.3	268.7	
T.P.	12.48	276.43	0.14	263.95	
		16+80			
30' Rt			+6.2	282.6	
20' "			+2.6	279.0	
10' "			1.8	274.6	
℄			7.1	269.3	
10' Lt			11.6	264.8	
20' "			16.4	260.0	
45' "			25.0	251.4	

		276.43				288.71			
		17+05							
45' Lt			22.3	254.1	10' Rt		8.5	280.2	
20' "			12.4	264.0	20' "		4.2	284.5	
10' "			8.4	268.0	30' "		+0.5	289.2	
℄			3.4	273.0	18+00				
10' Rt			+1.3	277.7	30' Rt		+2.8	291.5	
20' "			+6.3	282.7	20' "		+0.9	289.6	
30' "			+9.4	284.0	10' "		3.1	285.6	
		17+50			℄		7.7	281.0	
30' Rt			+9.4	285.8	10' Lt		13.0	275.7	
20' "			+5.3	281.7	20' "		17.6	271.1	
10' "			+0.6	277.0	31' Lt		22.2	266.5	
℄			3.4	273.0	40' "		31.6	254.1	
10' Lt			7.6	268.8	60' "		33.3	255.4	
20' "			11.8	264.6					
45' "			19.0	257.4	18+25				
		17+72.87 E.C.			50' Lt		23.6	265.1	
45' Lt			18.0	258.4	40' "		28.2	260.5	
20' "			8.8	267.6	25 "		24.5	262.2	
10' "			4.8	271.6	20' "		22.3	266.4	
℄ H46 T.P.	13.38	288.71	1.10	275.33	10' "		15.7	273.0	
					℄		9.1	279.6	

		288.71					297.66			
		18+25 (cont)								
10' Rt			2.7	286.0		10' Rt		7.9	289.8	
20' "			+1.4	290.1		20' "		3.9	293.8	
40' "			+3.8	292.5		40' "		3.6	294.1	
		18+63					17+00			
40' Rt			+5.0	293.7		40' Rt		3.5	294.2	
25' "			+4.5	293.2		20' "		3.8	293.9	
20' "			+3.0	291.7		10' "		4.5	293.2	
10' "			7.0	281.7		℄		10.4	287.3	
℄			13.3	275.4		10' Lt		12.4	285.3	
10' Lt			17.0	271.7		20' "		11.1	286.6	
20' "			19.5	269.2		30' "		8.0	289.7	
27' "			19.0	269.7		40' "		6.0	291.7	
40' "			10.8	277.9			17+17			
		18+80				40' Lt		6.5	291.2	
40' Lt			4.5	284.2		20' "		6.6	291.1	
30' "			9.7	279.0		10' "		6.6	291.1	
20' "			12.8	275.9		℄		5.6	292.1	
10' "			11.1	277.6		10' Rt		4.2	293.5	
℄			5.0	283.7		20' "		4.0	293.7	
T.P.	9.75	297.66	0.80	287.91		40' "		2.9	294.8	

297.66

19+75

40' Rt	2.2	295.5	
20' "	3.2	294.5	
10' "	3.0	294.7	
℄	3.5	294.2	
10' Lt	3.2	294.5	
20' "	3.2	294.5	
40' " = E. ch. Park Blvd	3.33	294.33	
40' " E. gutter	3.89	293.77	

19+84.11

20' Lt = E. gutter	3.64	294.02	
20' " = E. ch.	3.04	294.62	
10' "	3.0	294.7	
℄	2.8	294.9	
10' Rt	2.8	294.9	
20' "	2.8	294.9	
40' "	2.0	295.7	

19+95 84

40' Rt	2.0	295.7	
20' "	2.0	295.7	
10' "	2.4	295.1	

297.66

℄ = E. cmt. ch. Park Blvd	2.58	295.08	
℄ = E. gutter	3.18	294.48	

20+0 & 25

20' Rt = E. cmt. ch.	2.19	295.47	
20' " = E. gutter	2.74	294.92	

20+14.5

28.5' Rt = E. cmt. ch. Park Blvd	1.95	295.71	
28.5' R = E. gutter	2.52	295.14	
BM. B.P.	1.84	295.78 = 295.80	S.W. Upost Park Blvd

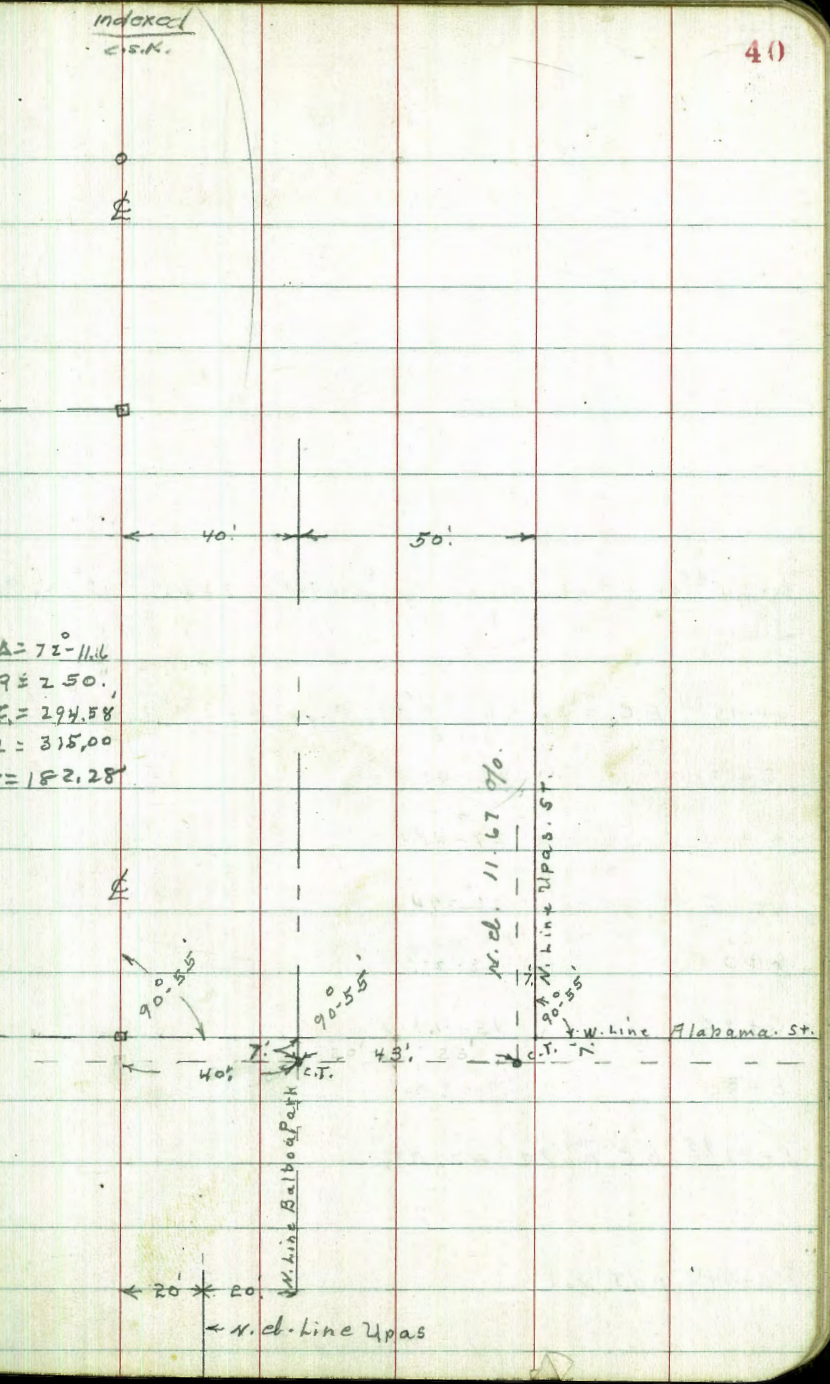
12-21-34
Milly
Walker
Bliss

"D" Alternate Line
from Alabama & Upas to P.H. Canyon Rd.

Indexed
C.S.K.

		Def ∠.
4+99.30	P.O.T. Nail	
3+15	E.C.	32-05.8 ✓
3+00		34°-22.6' ✓
2+50		28°-38.8' ✓
2+00		22°-55' ✓
1+50		17°-11.2' ✓
1+00		11°-27.5' ✓
0+50		5°-43.7'
0+00 = W. Line Alabama.	B.C. ∠ 72°-11.2' Lt.	

Δ = 72°-11.6'
R = 250.
L.C. = 294.58
L = 315.00
T = 182.28



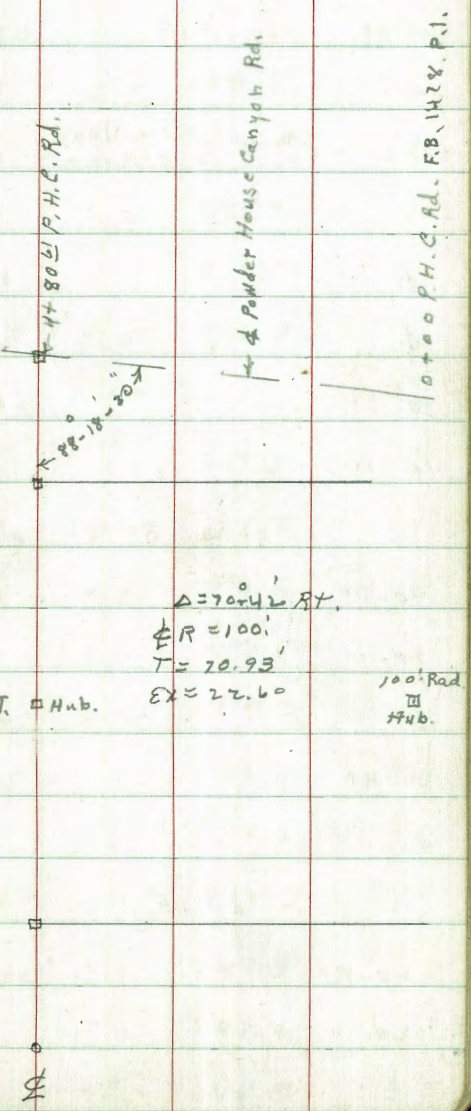
6+64.45 P.I. of Powder House Canyon Rd. = 7+48.28 "C" Line Page 20

6+45.24 E.C. = 7+29.67 P.O.T. Page 20 "C" Line

	Def ∠
6+36	32° 40.4'
6+26	29° 48.5'
6+15	26° 39.4'
6+00	22° 21.6'
5+75	15° 16.9' ✓
5+50	8° 02.2'

5+21.95 B.C. ∠ 70° 42' Rt.

4+99.30 P.O.T. Nail



12-26-34. X Sec. "D" Line

							262.41			
B.M. BP	2.91	262.41		259.50	N.W. Upas + Alabama	20' Lt		4.2	258.2	
	10' E. of 0+00 = W. cb. Line Alabama					40' "		4.2	258.2	
40' Rt. =	N. Line Park		3.01	259.40	gutter pav.		0+50			
40' "	" " "		2.48	259.93	cmt. cb	40' Lt		5.9	256.5	
20' " =	N. Curb. Line Upas. East of Alabama.		2.41	260.00	" "	20' "		6.4	256.0	
20' "			3.00	259.41	gutter pav.	℄		7.2	255.2	
℄			2.92	259.49	" " S. End	20' Rt.		8.2	254.2	
℄			2.40	260.01	cmt. cb. S. End	40' "		9.5	252.9	
20' Lt.			2.5	259.9			1+00			
40' "			2.4	260.0		40' Rt		12.1	250.3	
	0+00 = B.C. Lt. = W. Line Alabama					20' "		10.7	251.7	
40' Lt			3.2	259.2		℄		9.8	252.6	
20' "			3.2	259.2		20' Lt.		9.0	253.4	
℄			2.8	259.6		40' " = N. edge	Grove of Trees.	8.2	254.2	
20' Rt			2.6	259.8			1+50			
40' "			2.6	259.8		40' Lt		11.2	251.2	
	0+15					20' "		12.1	250.3	
40' Rt			6.0	256.4		℄ = N. edge. Grove of Trees		13.1	249.3	
20' "			5.5	256.9		20' Rt		15.2	247.2	
℄			3.6	258.8		40' "		17.6	244.8	

		262.41		
T.P.	0.04	249.87	12.58	249.83
		1+75		
40' Rt =	N. edge	Grove Trees	8.2	241.7
20' "			6.4	243.5
℄			3.8	246.1
20' Lt			2.2	247.7
40' "			0.9	249.0
		2+00		
40' Lt.			3.2	246.7
20' "			5.2	244.7
℄			7.7	242.2
20' Rt.			10.2	239.7
40' "			11.4	238.5
		2+25		
40' Rt.			18.8	231.1
20' "			15.0	234.9
℄			11.7	238.2
20' Lt			9.3	240.6
40' "			6.7	243.2

		249.87		
		2+50		
40' Lt			10.6	239.3
20' "			13.3	236.6
T.P.	0.17	237.22	12.82	237.05
℄			3.8	233.4
20' Rt.			7.8	229.4
40' "			11.0	226.2
		2+75		
40' Rt.			16.7	220.5
20' "			14.7	222.5
℄			9.2	228.0
20' Lt			4.6	232.6
40' "			1.1	236.1
		3+15 E.C.		
40' Lt			5.0	232.2
20' "			10.1	227.1
T.P.	1.92	226.54	12.60	224.62
℄ Hub.			4.87	221.67
20' Rt.			9.9	216.6
40' "			13.6	212.9

		224.54		
		3+50		
40' Rt.			17.0	209.5
20' "			13.1	213.4
℄			8.8	217.7
20' Lt			3.9	222.6
40' "			+1.0	227.5
		4+00		
40' Lt			3.6	222.9
20' "			8.7	217.8
℄			13.1	213.4
20' Rt.			18.0	208.5
40' "			21.2	205.3
		4+50		
40' Rt.			24.3	202.2
20' "			21.2	205.3
℄			17.7	208.9
20' Lt			13.6	212.9
40' "			8.6	217.9
T.P.	3.95	218.17	12.32	214.22

		218.17		
		5+00 = S. Side Grove of Trees		
40' Lt			3.3	214.9
20' "			8.2	210.0
℄			12.6	205.6
20' Rt			15.8	202.4
40' "			18.7	199.5
		5+21.25 BC. ∠ 70°-42' Rt.		
40' Rt			19.9	198.3
20' "			17.7	200.5
℄			12.7	205.5
20' Lt			8.9	209.3
40' "			4.7	213.5
		5+50		
40' Lt			9.0	209.2
20' "			12.0	206.2
T.P.	0.43	206.03	12.57	205.60
℄			3.5	202.5
20' Rt			7.2	198.8
40' "			9.4	196.6

		206.03		
		5+75		
40' Rt			10.6	195.4
20' "			8.0	198.0
℄			6.3	199.7
20' Lt.			3.7	202.3
40' "			1.5	204.5
		6+00		
40' Lt			6.8	199.2
20' "			8.0	198.0
℄			9.4	196.6
20' Rt			11.5	194.5
40' "			14.6	191.4
		6+15		
40' Rt			18.4	187.6
20' "			18.0	188.0
℄			15.3	190.7
20' Lt			11.1	194.9
40' Lt			9.0	197.0
		6+26		
40' Lt			11.8	194.2
I.P	0.42	193.87	12.54	193.45

	193.87		
	6+26 (con.)		
20' Lt		4.6	189.3
10' "		6.5	187.4
℄		6.7	187.2
20' Rt		5.6	188.3
40' "		5.3	188.6
	6+36		
40' Rt		5.6	188.3
20' "		5.9	188.0
℄		6.6	187.3
20' Lt		6.9	187.0
40' "		5.1	188.8
6+45.34 E.C. = E. Berm. P.H.C. Rd.			
40' Lt		6.3	187.6
20' "		6.8	187.1
℄		6.3	187.6
20' Rt		5.8	188.1
40' "		5.4	188.5
Hub ℄ 8+68.50 . Page 30		9.54	184.33

Richmond St. Extension

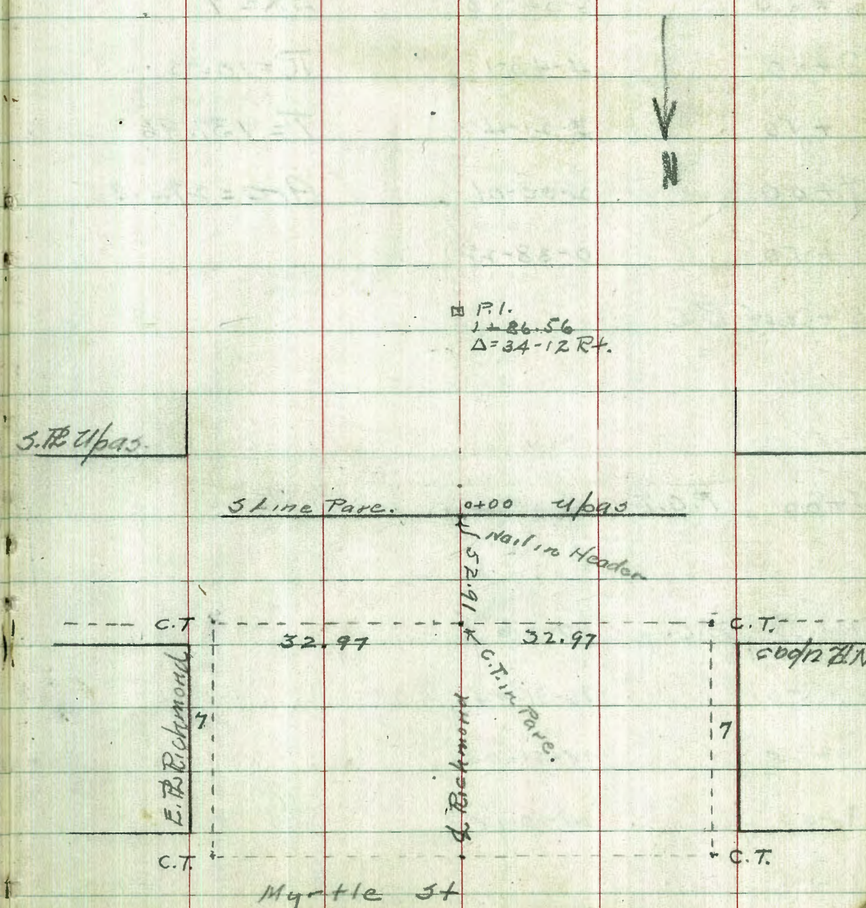
1/18/35

indexed C.S.K.

J. A. Partridge
C.R. Otis
C.F. Weir

Sta	Defl.	
+75	12-59-21	
+50	11-48-3 ✓	
+25	10-37-39 ✓	
2+00	9-26-48 ✓	Δ = 34-12 Rt
+75	8-15-57 ✓	R = 606.42
+50	7-05-06 ✓	T = 186.56
1+25	5-54-15 ✓	Arc = 361.97
1+00	4-43-24 ✓	00-02.834 per Ft.
0+75	3-32-33 ✓	
0+50	2-21-42 ✓	
0+25	1-10-51	

B.C. Rt.
0+00 = Prolongation ℄ Richmond South To Int. of S. Pavement Line of Upas.

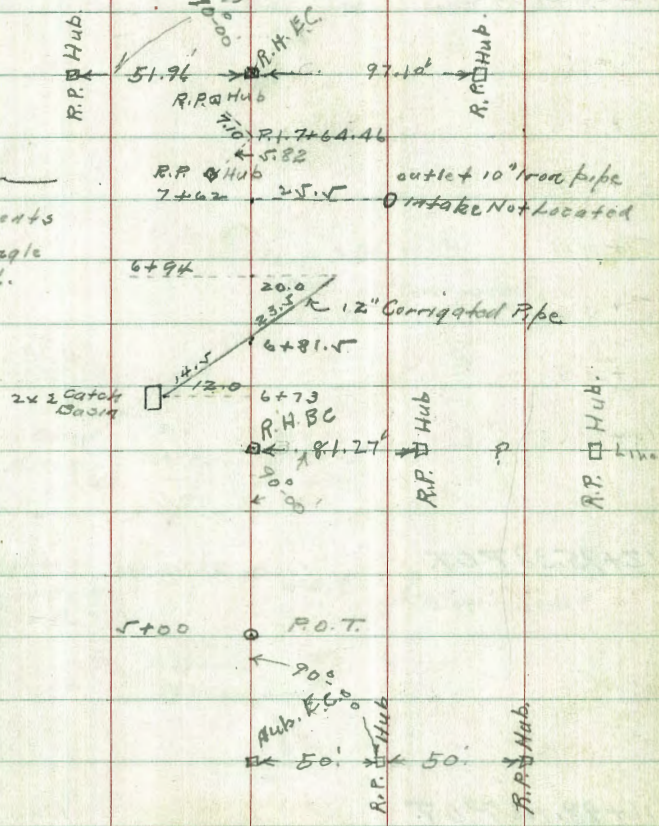


Richmond St. Extension

Sta		Defl.	
9+00.85	E.C.	7-28	Δ = 14-56 Rt.
+50		6-04-58	EX = 9
8+00		4-43-19	R = 1052-63
+50		3-21-40	T = 137.96
7+00		2-00-01	Arc = 274.35
+50		0-38-22	
6+26.85	B.C		
5+00	P.O.T.		
3+61.97	E.C.	17-06	
+50		16-31-56	
+25		15-21-03	
3+00		14-10-17	

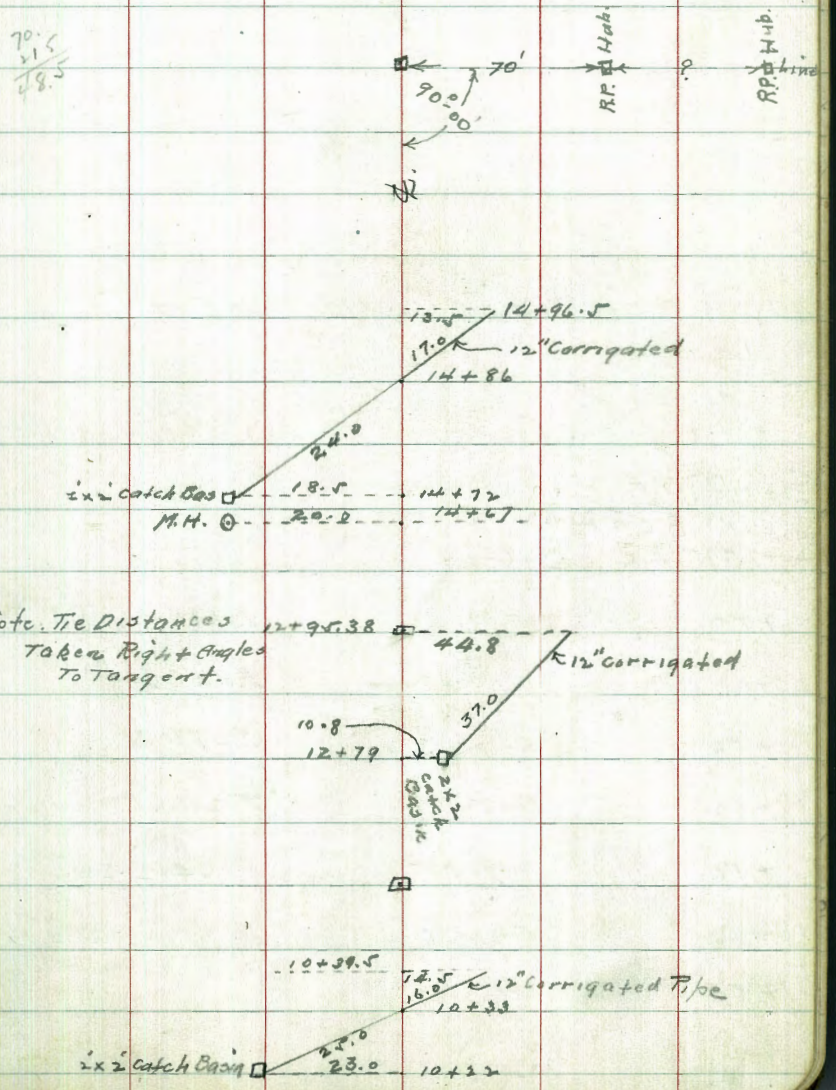
Note
Tie Measurments
Taken Right Angle
To Chord.

6+26.5
3+61.97
2 64.53
126.56
137.96
589.05



Richmond St. Extension

Sta	Defl.
17+00	1-25-43
16+63.49 P.C.	
12+95.38 P.O.T.	
11+98.14 P.O.T.	



Richmond St. Extension

22+10.
20+75.75
1 34.25

22+10
20+87.18
1+22.82

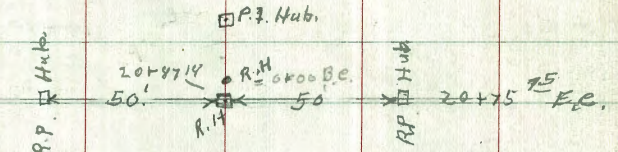
22.10
2 P 87.18
22.82

22+10 Hub W. Side Canyada Way (End)

R.P. ⊡ Hub. Elev 160.99

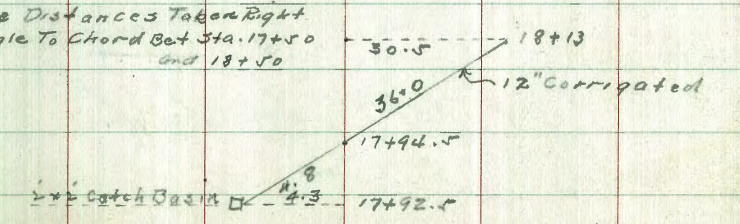
21+98.9 ℄ Int. Richmond St. Ext ℄ of Canyada Way

21+87 18/100 P.I.
20+87 18/100 B.C = 0+00
20+75.75 E.C 16-08



+50	N=07-31		Δ=32-16 Rt.
20+00	13-10-07	✓	EX=30
+50	11-12-43	✓	R=731.71
19+00	9-15-19	✓	T. 211.66
+50	7-17-55	✓	Arc ~~412.26~~ 412.07
18+00	5-20-31	✓	~~Def per ft. 140.882~~
17+50	3-23-07	✓	" " " 140.946

Note. Tie Distances Taken Right Angle To Chord Bet Sta. 17+50 and 18+50



Richmond St. Extension

℄ Levels and X Section 1/22/35

Partridge
Otis
Weir
(286.97)

Indexed C.S.K.

Sta	B.S.	H.I.	F.S.	Elev			Lt.		℄		Rt.
	1.57	291.52 ~~297.37~~		✓ 289.95 ~~(295.80)~~	N.W. Cor. Herbert &	Upas.	(286.97 @ Herbert & Upas)				
B.M.	2.06	286.27 ~~292.12~~	7.31	284.21 ~~290.06~~	W. End S.E. Ret	Richmond & Upas.					
0+00	B.C. Rt. C.T. Header Board		3.1	283.15 ~~289.0~~			on Pavement	+0.2 / 20 ~~289.2~~ 283.35 834	00 / 20 on Pavement ~~289.0~~ 283.15 832		
0+25			2.6	283.65 ~~289.5~~							
0+50			2.4	283.85 ~~289.7~~			+0.7 / 40 284.55	+0.7 / 22 284.55	-0.1 / 15 283.75	-0.5 / 15 283.35	00 / 18.6 ~~289.7~~ 283.85 · -0.3 / 40 ~~289.4~~ 283.55
0+75			2.6	283.65 ~~289.5~~							
1+00			2.8	283.45 ~~289.3~~			+1.0 / 40 284.45	+0.9 / 30 284.35	-0.2 / 15 283.25	-0.5 / 12.3 ~~288.8~~ 282.95	00 / 15 283.45 · -0.4 / 40 ~~288.9~~ 283.05

Richmond St. Ext.

Sta	B.S	H.I.	F.S	Elev	Lt. & Rt
		286.27 ~~292.15~~			
1+25			3.1	283.15 ~~289.0~~	
1+50			3.4	282.85 ~~288.7~~	+1.6/40 ~~292.2~~ 284.45; +1.1/29 ~~284.8~~ 283.95; 00/15 ~~288.7~~ 282.85; -0.5/15 ~~288.2~~ 282.35; -1.1/40 ~~283.5~~ 281.75 ✓
1+75			3.6	282.65 ~~288.5~~	
2+00			3.9	282.35 ~~288.2~~	+1.0/40 ~~286.2~~ 283.35; +1.0/21 ~~284.2~~ 283.35; 00/15 ~~285.7~~ 282.35; 00/13 ~~285.7~~ 282.35; 00/7 ~~288.7~~ 282.35; +0.3/12 ~~285.5~~ 282.65; +0.5/40 ~~287.7~~ 282.85 ✓
2+25			4.2	282.05 ~~287.9~~	
2+50			4.6	281.65 ~~287.5~~	+1.0/40 ~~286.5~~ 282.65; +0.8/15 ~~286.3~~ 282.45; +0.8/13 ~~286.3~~ 282.45; -0.1/10 ~~287.4~~ 281.55; -0.4/11 ~~287.1~~ 281.25; +0.2/15 ~~287.7~~ 281.85; +0.2/40 ~~287.7~~ 281.85 ✓

Richmond St. Ext.

Sta	B.S	H.I.	F.S.	Elev	Lt	℄	Rt
		286.27 ~~292.17~~					
~~2+75~~			5.1	281.15 ~~287.0~~			
3+00			5.6	280.65 ~~286.45~~	+1.0 / 40 → ~~289.5~~ 281.65	+0.3 / 15 → ~~286.8~~ 280.95; +0.2 / 8 → ~~287.7~~ 280.85; -0.3 / 4 → ~~286.2~~ 280.35	-0.5 / 15 → ~~286.0~~ 280.15; +0.5 / 24 → ~~287.0~~ 281.15; +0.3 / 40 → ~~286.8~~ 280.95
3+25			6.2	280.05 ~~285.9~~			
3+50			6.8	279.45 ~~285.3~~	+1.1 / 40 → ~~286.4~~ 280.55; +1.0 / 15 → ~~286.8~~ 280.45; +1.1 / 4 → ~~286.4~~ 280.55	+0.2 / 15 → ~~286.4~~ 279.65; 0.0 / 24 → ~~286.2~~ 279.45; +0.7 / 30 → ~~286.6~~ 280.15; +0.7 / 40 → ~~286.8~~ 280.15	
3+61.97	E.C on Hob		6.00	280.25 ~~286.1~~			
4+00			6.2	279.75 ~~285.6~~	+0.3 / 40 → ~~286.2~~ 280.05	+0.2 / 15 → ~~286.2~~ 279.95	0.0 / 5 → ~~286.0~~ 279.75; -1.3 / 10 → ~~285.8~~ 278.45; -1.1 / 15 → ~~285.8~~ 278.65; -1.0 / 30 → ~~286.0~~ 278.75; -0.6 / 40 → ~~285.8~~ 279.15

Richmond St. Ext.

Sta.	B.S	H.I	F.S	Elev.
		286.27 ~~293.12~~		
4+50			7.5	278.75 ~~284.6~~
5+00 P.O.T.			9.1	277.15 ~~283.0~~
T.P.	0.00	273.60 ~~279.45~~	12.67	273.60 ~~279.45~~
5+50			3.2	270.45 ~~276.3~~
6+00			6.0	267.65 ~~273.5~~
6+26.5 B.C. Rt.			7.7	265.95 ~~271.8~~
6+50			9.3	264.35 ~~270.2~~

	Lt		℄		Rt		
4+50	+1.1 / 40	+0.7 / 15	00 / 6	-2.2 / 10	-1.6 / 15	-1.3 / 40	
	~~284.7~~ 279.85	~~284.2~~ 278.95	~~284.6~~ 278.95	~~284.4~~ 276.55	~~283.9~~ 277.15	~~283.5~~ 277.45	
5+00	+2.2 / 40	+0.6 / 15	-0.3 / 2.6	-3.2 / 6.0	-2.3 / 10	-2.0 / 15	-1.9 / 33	-1.4 / 40
	~~284.7~~ 279.35	~~283.4~~ 277.75	~~284.1~~ 276.85	~~284.1~~ 273.95	~~284.1~~ 274.85	~~284.1~~ 275.15	~~284.1~~ 275.25	~~284.1~~ 275.75
T.P.								
5+50	+6.8 / 40	+4.0 / 15	+3.4 / 5	+1.4 / 15	+1.3 / 23	+1.0 / 40		
	~~284.1~~ 277.25	~~284.1~~ 274.45	~~284.1~~ 273.85	~~284.1~~ 271.85	~~284.1~~ 271.75	~~284.1~~ 271.45		
	Deer Park Cor. Fence ℄			℄ Edge Road				
6+00	+7.6 / 40	+5.5 / 22	+4 / 15	-0.7 / 3	+1.0 / 15	-9.0 / 30	-10 / 50	-6.3 / 6.2
	~~284.1~~ 275.25	~~284.1~~ 273.15	~~284.1~~ 271.65	~~284.1~~ 266.95	~~284.1~~ 268.65	~~284.1~~ 258.65	~~284.1~~ 257.65	~~284.1~~ 261.35
6+26.5								
6+50	Deer Park Fence ℄				W. Edge Road ℄			
	+7 / 31	+6 / 18.4	+3.6 / 15	00 / 8.6	+1.0 / 15	-19.4 / 5.4	-17.2 / 66	
	~~284.1~~ 271.35	~~284.1~~ 270.35	~~284.1~~ 267.95	~~284.1~~ 264.35	~~284.1~~ 265.35	~~284.1~~ 244.95	~~284.1~~ 247.15	~~284.1~~ 247.0

Richmond St. Ext.

Sta.	B.S	H.I.	F.S	Elev.
		273.60 ~~279.45~~		
6+73	Catch Basin on 12' Left	Grate	11.05	262.55 ~~268.40~~
T.P.	0.96	261.50 ~~267.35~~	13.06	260.54 ~~266.39~~
6+94	20' Rt F.L. Pipe		3.4	258.15 ~~264.0~~
7+00			0.5	261.05 ~~266.9~~
7+50			4.2	257.35 ~~263.2~~
8+00			8.0	253.55 ~~259.4~~
8+50			11.3	250.25 ~~256.1~~
T.P.	0.34	248.78 ~~254.63~~	13.06	248.44 ~~254.29~~

Lt ℄ Rt

7+00: Deer Park Fence; Edge Road

+8.6/43	+1.2/15	00/12	00/10.5	-2.8/15	-17/37	-23/60.5
269.65	262.25	261.05	261.05	258.25	244.05	238.05

✓

7+50: Deer Park Fence; Edge Road

+16.6/53	+14.3/39	+12/26	+3.2/13	00/11	+0.4/14	-12/33	-20/58
273.95	271.65	269.35	260.55	257.35	257.75	245.35	237.35

✓

8+00:

+23/46	+21/31.4	+17.6/19	+10/14	+5.0/8	-0.6/7	+0.5/15	+0.7/22	-12/43	-18/60	-21.7/73
276.55	274.55	271.15	263.55	258.55	250.95	253.55	254.25	241.55	235.55	231.85

✓

8+50: Deer Park Fence; Edge Road

+26/73	+24.0/45	+13/24	+4.0/13	-0.5/10	00/15	+0.5/20	-12/41	-20/64
276.25	274.25	263.25	254.25	249.75	250.25	250.75	238.25	230.25

✓

Richmond St. Ext.

Sta.	B.S.	H.I.	F.S.	Elev.
		248.78 ~~251.63~~		
9+00.85	E.C.		2.4	246.35 ~~254.2~~
9+50			7.0	241.75 ~~247.6~~
10+00			11.2	237.55 ~~243.4~~
T. P.	−0.02	235.84 ~~241.67~~	12.92	235.86 ~~241.71~~
10+22	Top Grating Catch Basin	23′ Lt		235.91 ~~241.76~~ Hand Level
10+39.5	F.L. Pipe 14.5 Rt		4.86	230.98 ~~236.83~~
10+50			2.3	233.55 ~~239.4~~
11+00			6.8	229.05 ~~234.9~~

Lt — ℄ — Rt

Sta. 9+00.85 (Edge Road):

+26/56, +24/38, +18/33, +12/22, +4.0/24.5, 00/22, 00/15, 00/8, −5.1/15, −6.0/17, −13/39, −22/69 ✓

278.2, 270.35, 264.35, 258.35, 250.35, 246.35, 246.35, 246.35, 241.25, 240.35, 233.35, 224.35

Sta. 9+50 (Edge Road):

+26/68, +13/45, +5.7/37, +3.3/32, +0.6/29.5, +1.3/15, 00/2.5, −5.7/10.5, −7.4/15, −12.0/34, −19.0/61 ✓

267.75, 254.75, 247.40, 245.05, 242.35, 243.05, 241.75, 236.05, 234.35, 229.75, 222.75

Sta. 10+00 (Edge Road):

+23/70, +13/45.5, +3.1/30, +0.2/28, +0.8/15, −0.3/4, −6.7/15, −10.7/31, −13.0/43 ✓

260.55, 250.55, 240.65, 237.75, 238.35, 237.25, 230.85, 226.85, 224.55

Sta. 10+50 (Edge Road):

+26/62.5, +14.2/32.5, +9.8/26, +3.8/20, +0.4/15, 00/12, −2.7/15, −12/35, −16.2/45.5, −18/58 ✓

259.55, 247.75, 243.35, 237.35, 233.95, 233.55, 230.85, 221.55, 217.85, 215.55

Sta. 11+00 (Edge Road):

+26/50, +13/21, +8.0/11.5, −0.3/6, 00/15, 00/20, −4.5/25.5, −12/46, −16.3/61 ✓

255.05, 242.05, 236.05, 228.75, 229.05, 229.05, 224.55, 217.05, 212.75

Richmond St. Ext.

Sta	B.S	H.I	F.S	Elev.
		235.84 ~~241.69~~		
11+37			10.5	225.35 ~~231.2~~
11+50			8.4	227.45 ~~233.3~~
11+98.14	P.O.T.		5.31	230.53 ~~236.38~~
12+50			6.6	229.25 ~~235.1~~
12+95.38	P.O.T.		9.94	225.90 ~~231.75~~
T.P.	0.18	223.28 ~~229.13~~	12.74	223.10 ~~228.94~~

Lt			℄		Rt	
			Edge Road			
+26 / 44	+13 / 16.5	+10.1 / 8	-2.8 / 15	-2.5 / 27	-13 / 44	-18.5 / 66
~~253.45~~	~~240.95~~ 237.55	~~243.4~~	~~224.95~~ 224.65	~~230.8~~	~~214.45~~	~~208.95~~
			Edge Road			
+26 / 60	+13 / 31.5	+5.8 / 15	-2.5 / 2.5	-10.4 / 6.5	-10 / 15	-8.8 / 31.5
~~256.55~~	~~243.55~~ 236.35	~~246.4~~	~~228.05~~	~~220.15~~ 220.55	~~226.4~~	~~215.75~~ 208.75
			Edge Rd.			
+23 / 45	+13 / 25.5	+7.8 / 15	-1.5 / 3.5	-12.5 / 10.2	-12.2 / 15	-10.8 / 37.3
~~252.25~~	~~242.25~~ 237.05	~~244.1~~	~~227.75~~	~~216.75~~ 217.05	~~218.45~~	~~212.05~~ 205.45
			℄ Edge Rd			
+26 / 62	+13 / 29.5	+6.4 / 15	-12.6 / 8.5	-12.4 / 15	-11 / 37	-18.7 / 52
~~251.95~~	~~238.95~~ 232.35	~~240.8~~	~~213.35~~	~~213.55~~	~~214.95~~	~~207.35~~ 201.95

Richmond St. Ext.

Sta	B.S.	H.I.	F.S.	Elev.
		223.28 ~~219.13~~		
12+79	Top Grating 10.8 Rt Catch Basin		8.35	214.93 ~~220.98~~
12+95.38	F.L. Pipe 44.8 Rt		12.08	211.20 ~~217.05~~
13+25			3.4	219.85 ~~225.7~~
13+50			12.6	210.65 ~~216.5~~
T.P.	1.30	212.21 ~~218.06~~	12.37	210.91 ~~216.76~~
14+00			5.2	207.05 ~~212.9~~
14+50			8.9	203.35 ~~209.2~~
15+00			11.9	200.35 ~~206.2~~

Lt. ℄ Rt

℄ Edge Rd.

+26 +13 +8.0 -4.0 -9.1 -8.7 -7.6 -16.6 -20.6
5.5 27 15 4 6.3 15 33 45.3 49.4 ✓

245.85 235.85 227.85 215.85 210.75 211.15 212.25 203.25 199.25

℄ Edge Rd

+26 +13 +9.3 -1.4 -0.7 +0.2 -8.8 -12
46.5 17 5.0 1.0 15 30 47 58 ✓

236.65 223.65 219.95 209.25 209.95 210.85 201.85 198.65

℄ Edge Road

+26 +13 +9.0 +2.6 -1.2 0.0 0.0 -2.4 -5.7 -12
47 19 17 11.0 9.0 15 21 25.6 37.2 49.7 ✓

233.05 220.05 216.05 209.65 205.95 207.05 207.05 204.65 201.35 195.05

℄ Edge Road

+13 +5.2 0.0 +0.4 +0.8 +0.2 -3.5 -6.8 -12
6.5 29.6 19 15 6.6 10 18 31 44 ✓

216.35 208.55 203.35 203.75 204.15 199.85 196.55 191.35

℄ Edge Rd

+23 +13 +9.7 0.0 +0.5 0.0 -4.0 -6.0 -9.5 -12 -9.0
6.4 39 30 22.6 15 6.5 13.5 20.5 27 34 49 ✓

223.35 213.35 209.55 200.35 200.85 200.35 196.35 194.35 190.85 187.35 191.35

Richmond St. Ext.

Sta.	B.S.	H.I.	F.S.	Elev.	
		212.21 ~~218.06~~			
T.P.	0.74	200.25 ~~206.10~~	12.70	199.51 ~~205.36~~	
14+67	M.H. 20' Lt			202.36 ~~208.21~~	Hand Level
14+72	Top Grating Catch Basin 18.5 Lt			201.86 ~~207.71~~	
14+96.5	F.L. Pipe 13.5 Rt			197.36 ~~203.21~~	
15+50			2.7	197.55 ~~203.4~~	
16+00			6.0	194.25 ~~200.1~~	
16+50			8.9	191.35 ~~197.2~~	
17+00			11.9	188.35 ~~194.2~~	
T.P.	0.86	188.60 ~~194.45~~	12.51	187.74 ~~193.59~~	

Lt. ℄ Rt.

15+50 (Edge Road):
+13/50 (210.55), +7.4/27 (204.95), 00/23 (197.55), +0.5/15 (198.05), 00/9.5 (197.55), −4.8/18 (192.75), −11/48.5 (186.55), −8.0/60 (189.55) ✓

16+00 (Edge Rd.):
+25/62.5 (219.25), +13/34 (207.25), +8.2/24 (202.45), 00/19 (194.25), 00/15 (194.25), 00/10.7 (194.25), −5.0/18.7 (189.25), −10.3/33.7 (183.95), −7.5/60.7 (186.75) ✓

16+50 (Edge Bank):
+26/58.5 (217.35), +13/22.5 (204.35), +6.5/15 (197.85), −0.7/13 (190.65), −0.3/15 (191.05), −6.6/25 (184.75), −9.0/40.8 (182.35), −6.5/50 (184.85) ✓

17+00 (Edge Bank):
+26/66 (214.35), +13/30 (201.35), +7.1/12 (195.45), −0.4/8 (187.95), 00/15 (188.35), 00/22 (188.35), −3.8/29 (184.55), −7.4/40.3 (180.95), −7.0/50 (181.35) ✓

Richmond St. Ext.

Sta.	B.S	H.I.	F.S	Elev	Lt. & Rt
		188.60 ~~+194.45~~			
17+50			3.7	184.95 ~~+190.8~~	+26 +13 +6.8 -0.2 +0.2 +0.2 -2.7 -5.8 -1.1 (℄ Edge Rd) 38.7 27 10 5.5 15 24 28.5 48 70
17+92.5	Top Grating Catch Basin	4.34	6.44	182.16 ~~+188.01~~	
18			7.1	181.55 ~~+187.4~~	+26 +13 +10.5 +4.8 00 +0.7 +0.7 -2.6 -3.0 -0.3 (℄ Edge Rd) 65 23 15 7.5 4.5 15 24.5 32.5 54.5 65
18+13	F.L. Pipe 30.5 Rt		10.1	178.55 ~~+184.4~~	
18+50			9.8	178.85 ~~+184.7~~	+26 +13 +3.0 00 00 +0.5 -0.5 -2.3 -2.1 -0.2 (Edge Rd, Top Bank) 71.5 34.5 13.5 10.5 14 15 19.7 26 44.6 55.4
T.P.	0.39	176.25 ~~+182.10~~	12.74	175.86 ~~+181.71~~	
19+00			1.5	174.75 ~~+180.6~~	+13 +13 +9.0 +2.0 +0.7 +0.7 00 +1.6 -0.7 +0.3 +2.4 77.4 47.4 29 19 17.6 15 5.0 7.0 21.5 38 46
19+50			4.7	171.55 ~~+177.4~~	+13 +6.8 +2.1 +0.8 +0.8 00 +2.3 +2.7 +1.0 +0.8 +3.8 5.0 28 21 20 15 1.5 3 8 12 5.0 42.5

Richmond St Ext.

Sta	B.S	H.I.	F.S.	Elev
		176.25 ~~+8.10~~		
20+00			7.1	169.15 ~~+5.0~~
20+50			9.7	166.55 ~~+2.4~~
20+75.75	E.C.		11.1	165.15 ~~+1.0~~
21+00			12.4	163.85 ~~+0.7~~
21+50			Boot Log 13.8	162.45 ~~+8.3~~
21+98.9	℄ Int. Richmond St Ext. & Canyada Way			H.I. 160.65 ~~+6.5~~
22+05	Hub End S. Side Canyada Way		Boot Log 15.7	160.55 ~~+6.4~~

168.3
1.8
166.5

	Lt			℄			Rt	
20+00	+10.0 48	+7.7 41.4	+1.8 17.8	+0.6 15	00 5.0	+1.5 6	+1.4 14	+0.8 25	+3.6 45.3
20+50	+4.0 50	+3.7 38.3	+1.7 15	00 13	-0.2 8.5	+1.4 10	+2.0 14	+1.6 32	+2.0 +3.0 37 41.5
21+00	-0.3 50	+0.4 33	+0.8 13.5	-0.6 11.2	+0.3 10	+1.2 11.4	+2.7 39.5	+2.6 50	
21+50	-1.7 50		-0.6 30	-1.0 15	-0.5 15	00 26	+0.3 50		
21+98.9	S. on Canyada	00 50		00 20	+ 0.2 25	-	+0.4 50		N. on Canyada
22+05									

Richmond St. Ext

Check Levels Back To N.W. Cor. Herbert 2nd U/pas.

		176.25 ~~182.10~~				
B.M. 1.			0.60	175.65 ~~184.50~~	2 Nails Oak 35 Rt	12 Scrub Sta 19+25 (172.67 = Using)
	12.43	188.28 ~~194.13~~	0.40	175.85 ~~184.70~~		
	12.19	209.11 ~~215.96~~	0.36	187.92 ~~193.77~~		
B.M. 2.	12.03	210.35 ~~216.20~~	1.79	198.32 ~~204.17~~	Edge Bridle 90' Rt Sta	Path 15+35
	12.93	222.57 ~~228.42~~	0.70	209.65 ~~215.50~~		
B.M. 3	12.77	233.86 ~~239.71~~	1.48	221.09 ~~226.94~~	Edge Bridle 125 Rt Sta	Path 11+75
	12.48	246.05 ~~251.90~~	0.29	233.57 ~~239.42~~		
	12.89	258.56 ~~264.41~~	0.38	245.67 ~~251.52~~		
	12.95	271.01 ~~276.86~~	0.50	258.06 ~~263.91~~		
B.M. 4	12.10	282.67 ~~288.52~~	0.44	270.57 ~~276.42~~	55 Ft Rt Sta. 5+60	
	8.87	290.24 ~~296.09~~	1.30	281.37 ~~287.22~~		
	7.01	294.00 ~~299.85~~	3.25	286.99 ~~292.84~~		
			4.09	289.91 ~~295.76~~	289.95 ~~295.80~~	N.W. Cor. Herbert 2nd U/pas.

~~Note. Elevations on this page not corrected — 5.85 high~~

Elv. 286.93 Albert 2nd U/pas

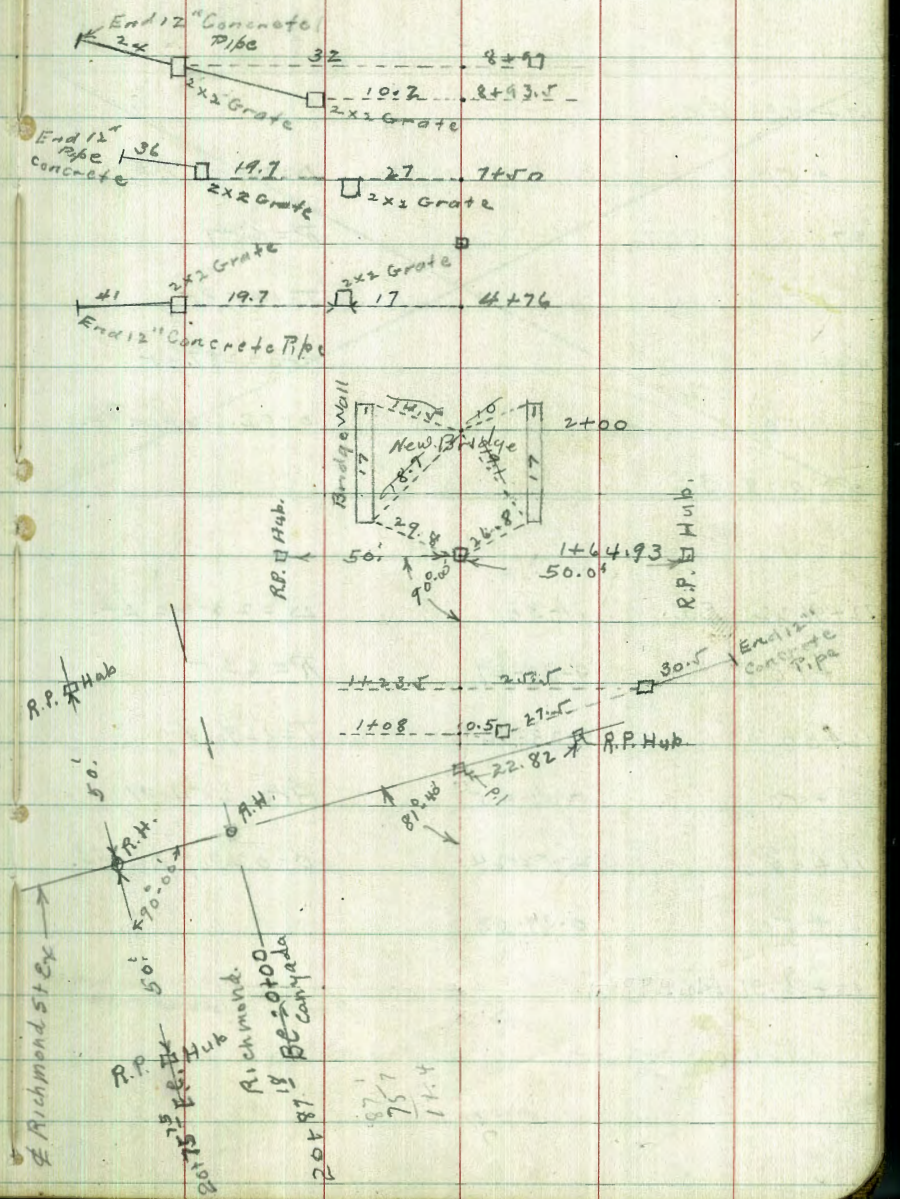
Canyada Way Running From
Richmond St. Extension Sta. 21+87.18
To 11° Arc.

J. Partridge
H. Wade
R. Bower

Indexed
C.S.R.

Sta	Defl.
6+39. P.O.T	
1+64.93 E.C.	40-50
+ 50	37-08-06
+ 25	30-56-45
1+00	24-45-24
+ 75	18-34-03
+ 50	12-22-42
0+25	6-11-21
0+00 Canyada Way =	(B.C.)
20+87.18 Richmond St. Extension	

Δ = 81-40 Lt.
T = 100.0
R = 114.71
Arc = 164.93
Defl. 0-14-854 per Ft.
Def per St 891.287"



Canyada Way-

J. Partridge
C. Walker
W. Bliss

Sta | Defl.

27+97.33 E.C.
+50
27
+50
26+00
+50
25+10.28 B.C

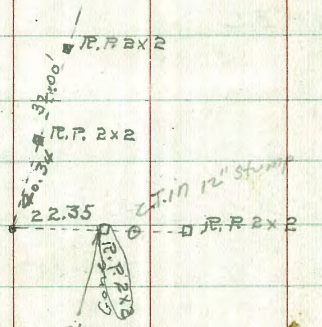
Δ = 25°02 Rt.
R = 657
T = 145.85
Arc = 287.05
0-02.616 per ft.

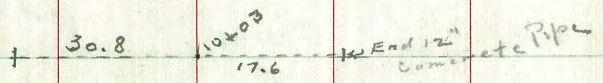
12+91.22 E.C. | 11-30
+50 | 9-38-27
12+00 | 7-23-06
+50 | 5-07-45
11+00 | 2-52-24
+50 | 0-37-03
10+36.31 B.C.

Δ = 23-00 Lt.
R = 635
T = 129.19
Arc = 254.91
0-02.707 per Ft.

10+36.31
129.19
10655.50

11+65.80
1 61.70
10003.80

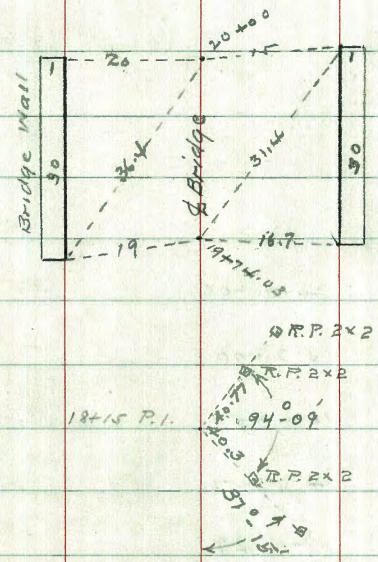




Cangada Way

Sta		Defl		
+75		11-34-43	✓	Δ = 40-00 Rt.
+50		9-52-39	✓	R 421
+25		8-10-34	✓	T = 153.23
21+00		6-28-30	✓	Arc = 293.91
+75		4-46-25	✓	0-04.083 per Ft.
+50		3-04-21	✓	
+25		1-22-16		
20+04.85	B.C			
19.74 03				
30.82				
19+74.03	E.C.	8-30		Δ = 17-00 Lt
+50		7-51-35		R = 1080.0
19+00		6-32-07		T = 161.41
+50		5-12-39		Arc = 320.44
18+00		3-52-56		0-01.591 per Ft.
				Def. 95.46" " "
+50		2-33-23		
17+00		1-13-50		
16+53.59	B.C.			

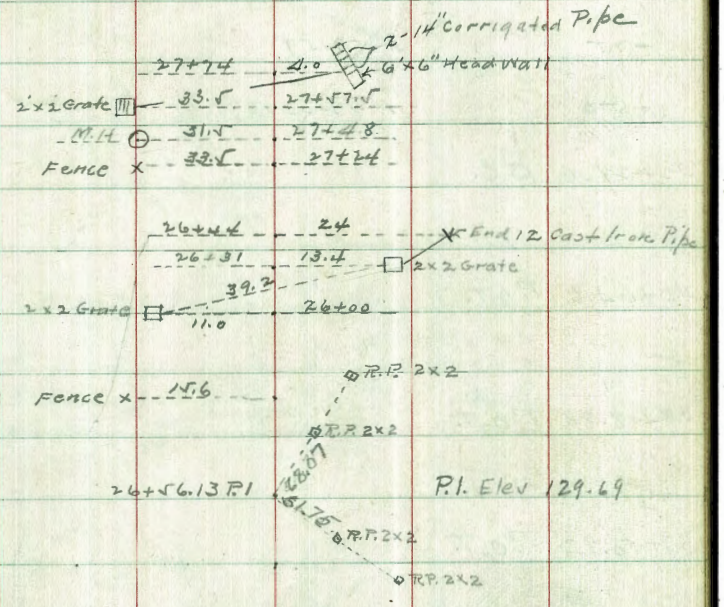
16+53.59
161.41
18+15.00

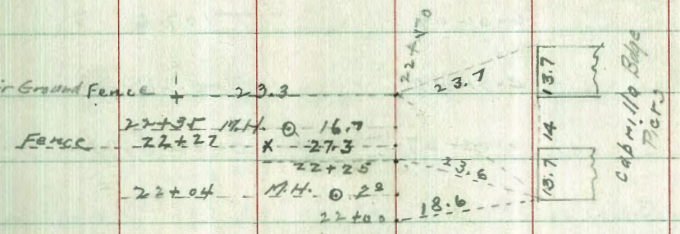


Canyada Way

Sta		Defl.	
27+97.33	E.C.	12-31	Δ=25-02 Rt.
+50		10-27-06	R687
27+00		8-16-18	T=145.85
+50		6-05-30	Arc=287.05
26+00		3-54-42	0-08.616 per. Ft.
+50		1-43-54	
25+10.28	B.C.		
22+98.76	E.C.	20-00-00	
+75		18-23-01	
+50		16-40-57	
+25		14-58-52	
22+00		13-16-48	

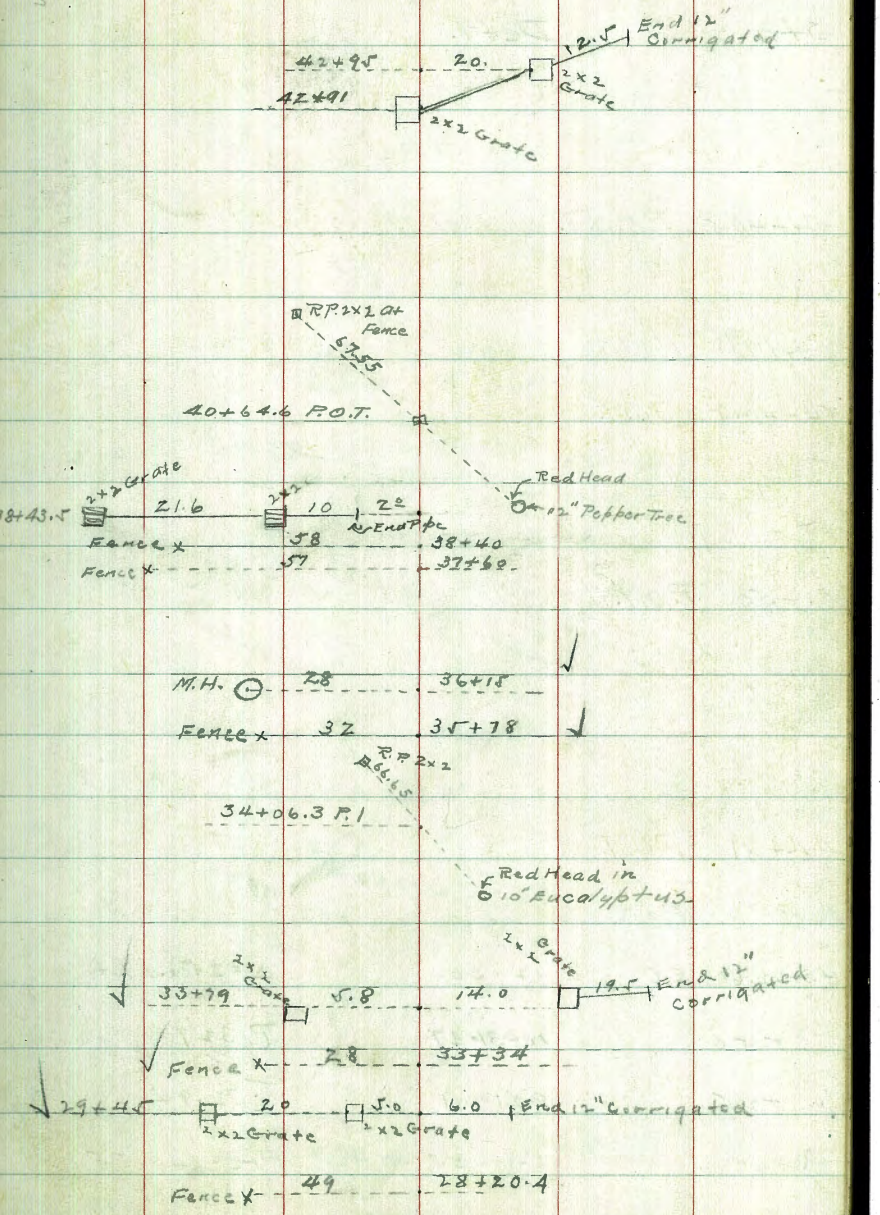
~510.28
145.85
~665.13





Compacted Way

34a		Defl.	ch
+75		3-59-59	
+50		1-49-23	ch 20.86
42+29.06	B.C.		
40+64.6	P.O.T.		
38+18.88	P.O.T.		
37+50.92	P.O.T.		
35+12.33	E.C.	8-30	Δ 17-00 Lt.
35+00		8-00-30	R = 720
+50		6-01-09	T 107.6
34+00		4-01-48	Arc 213.63
33+50		2-02-27	0-02.387 per Ft.
32+98.70	B.C.		

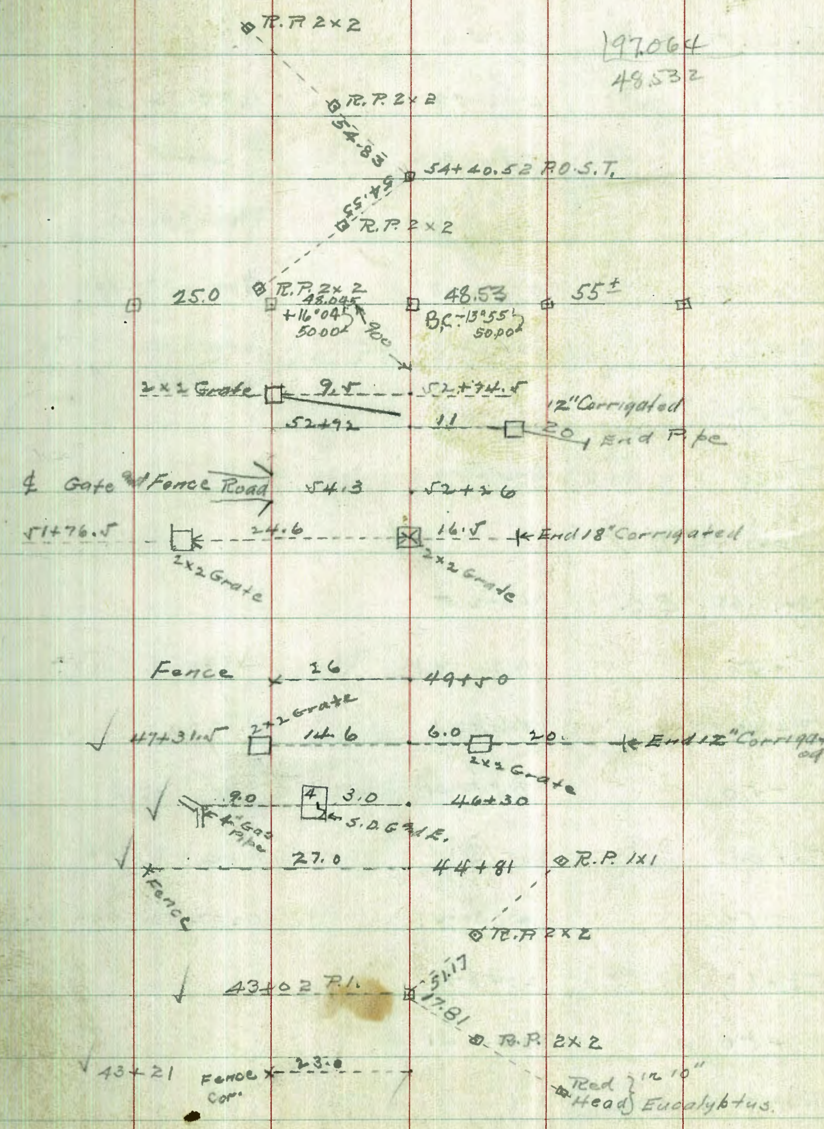


Canyada Way

Sta		Defl.		
54+40.52	P.O.S.T.			
54+17.96	B.C.		72.61 / 27.39 / 72.94 / 10 0.33	
51+50	P.O.T.	15±?		
44+81	P.O.T.			
43+72.61	E.C.	12-30	Δ=25-00 Lt	
+50		10-31-47	R 329	
+25		8-21-11	T. 72.94	
43+00		6-10-35	ch 49.88	Arc=143.55
			0-05.224 per Ft.	

96.09
48.04

197.064
48.532

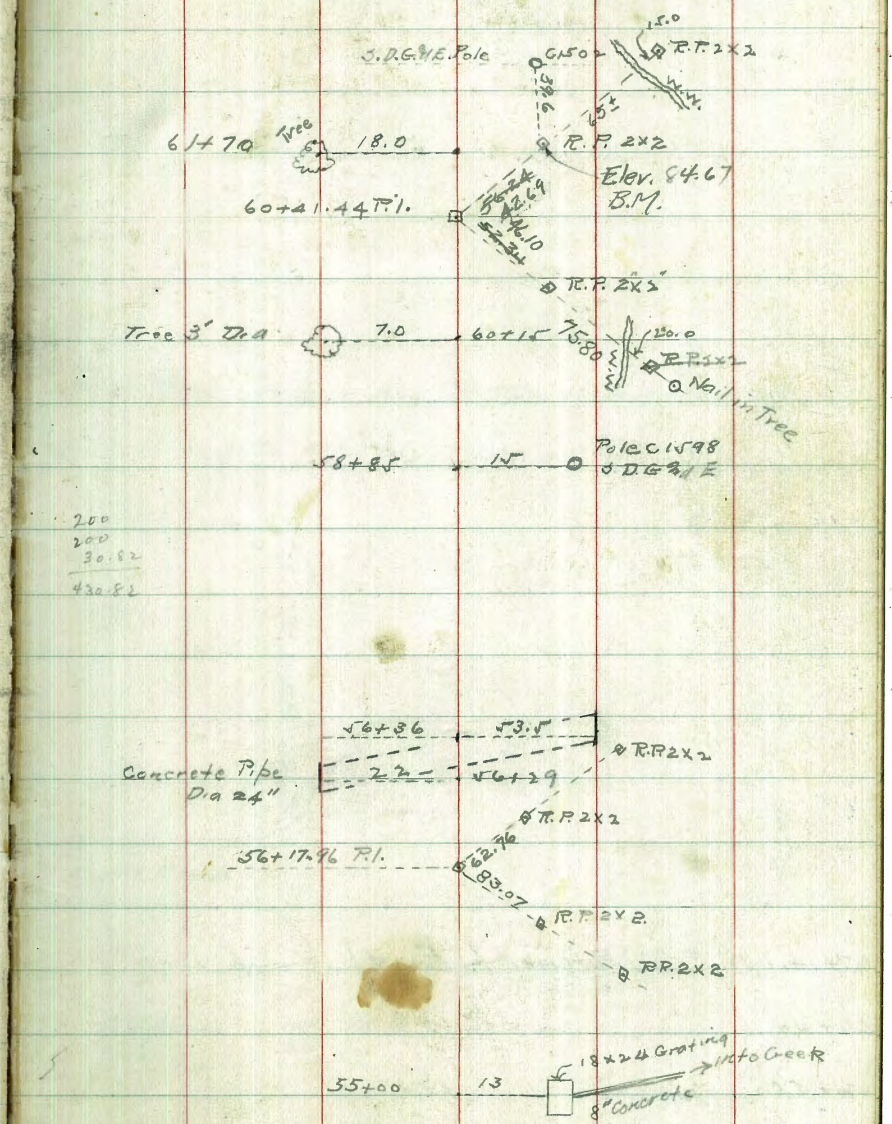


R.P. 2×2
R.P. 2×2
54.83
54+40.52 P.O.S.T.
54.55
R.P. 2×2
25.0
R.P. 2×2
48.045
+16°04'
50.00
B.C. 13°55'
50.00
48.53
55±
2×2 Grate
9.5
52+74.5
12" Corrigated
52+92
11
20
End Pipe
℄ Gate and Fence Road
54.3
52+26
51+76.5
24.6
16.5
End 18" Corrigated
2×2 Grate
2×2 Grate
Fence
26
49+50
47+31.5
2×2 Grate
14.6
6.0
20
End 12" Corrigated
2×2 Grate
9.0
3.0
46+30
S.D.G.&E.
Gas Pipe
27.0
44+81
R.P. 1×1
Fence
R.P. 2×2
43+02 P.I.
51.17
17.81
R.P. 2×2
43+21
Fence Cor.
23.0
Red Head 12" 10" Eucalyptus

Canyada Way-

Sta.		Defl.	
62+40.51	E.C.	4-46	
62+00		4-16-58	Δ = 9-32 Lt.
+50		3-41-08	T 200
61+00		3-05-18	R = 2398.46
+50		2-29-28	Arc = 399.07
60+00		1-53-38	0-00-43 per F.t.
+50		1-17-48	0.716 M
59+00		0-41-58	
58+41.44	B.C		
58+10.62	E.C.	13-25	
+50		11-20-41	Δ = 36-50 Rt.
57+00		9-38-11	T. 200
+50		7-55-41	R = 838.43
56+00		6-13-11	Arc = 392.66
+50		4-30-41	0-02.05 per ft.
55+00		2-48-11	
+50		1-05-41	
54+17.96	B.C		

Note: for New Location
See Book 1520 Page 48



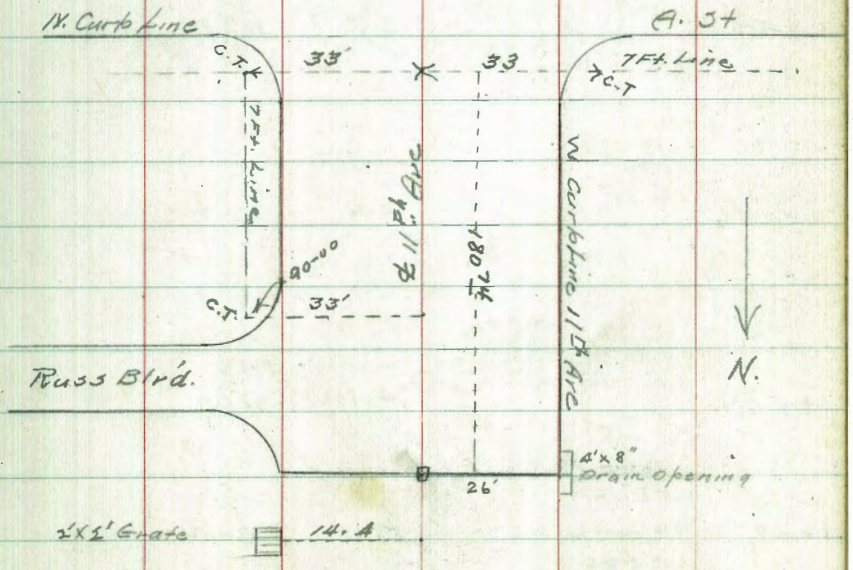
Canyada Way

67+14.1 N. Edge Pavement (End) ✓

66+40

62+50

Note. ℄ of Canyada Way is The Prolongation of ℄ of 11th Ave To P.I. - Sta. 60+41.44 (Pg. 68)



Canyada Way & Levels & X Section

Partridge Weir Bower — Indexed C.S.K.

Sta	B.S.	H.I.	F.S.	Elev	
		175.915 ~~+81.765~~		175.65 ~~+81.50~~	Richmond St. Extension Pg. 61
	0.26 ✓				B.M. #1-35' Rt Sta 19+25
	2.30	165.285 ~~+71.135~~	12.93	162.985 ~~+68.835~~	
20+87.18 Richmond St. Ext=					
0+00 B.C. Canyada Way			0.70	164.59	
0+25			2.1	163.2	
0+50			3.✓	161.8	
0+75			3.6	161.7	
1+00			4.1	161.2	
1+08	0.✓ Right on Grate		5.1	160.2	
1+23.✓	2✓.5 Rt on Grate End Pipe 1" L.		✓1.0 7.7	160.3 157.6	

(Note Gutter = Sides of Resort Road)

Lf & Rt

+0.2 ✓0 → 164.8 | +1.0 30 → 165.6 | +1.8 15 → 165.9 | +1.2 13 → 165.8 | Gutter −0.3 11 → 164.3

Gutter −0.1 9 → 166.4✓ | +1.6 11.7 → 166.3 | +1.2 15 → 165.8 | +1.2 30 → 165.8 | +2.3 ✓0 → 166.9

+0.2 ✓0 → 161.6 | +0.8 15 → 162.6 | +1.8 ✓.0 → 163.6 | Gutter 0.0 3 → 161.8

+1.0 13 → 162.8 | +0.2 2✓ → 162.0 | Gutter +0.8 ✓0 → 162.6

−1.4 ✓0 → 159.8 | −0.8 30 → 160.4 | −0.✓ 1✓ → 160.7

Gutter −0.6 2.✓ → 160.6 | −0.1 15 → 161.1 | Gutter −0.7 39 → 160.✓ | −0.2 ✓0 → 161.0

Canyada Way

Sta	B.S.	H.I.	F.S.	Elev	
		165.285 ~~171.135~~			
1+25			4.4	160.9	
1+50			4.8	160.5	
2+00	on 3" ℄ Bridge		5.5	159.8	✓
2+50			7.5	157.8	
3+00			8.2	157.1	
3+50			8.8	156.5	

Lt ℄ Rt

1+50

			Gutter	Gutter			creek	creek		
−1.8 / 50	−1.6 / 30	−0.3 / 15	0.0 / 7.0	0.0 / 15	−0.6 / 30	−1.6 / 39	−4.0 / 44	−3.7 / 49	−1.3 / 50	0.0 / 60
158.7	158.9	160.2	160.5	160.5	159.9	158.9	156.5	156.8	159.2	160.5

2+00

		creek	creek			Gutter	Gutter			
−3.5 / 70	−4.0 / 59	−7.0 / 58	−6.0 / 33	−2.5 / 28	−1.7 / 16	+0.2 / 14	0.0 / 10	−0.3 / 15	−0.1 / 30	+0.5 / 50
156.3	155.8	152.8	153.8	157.3	158.1	160.0	159.8	159.5	159.7	160.3

2+50

		Gutter	Gut.					
−1.6 / 50	−1.2 / 31	+0.3 / 17	0.0 / 2	+0.9 / 15	+1.3 / 27	+2.8 / 29	+5.0 / 40	+8.0 / 50
156.2	159.0	158.1	157.8	158.7	159.1	160.6	162.8	165.8

3+00

		Gutt.	Gutter			
−1.5 / 5.0	−0.2 / 25	−1.2 / 22	−0.8 / 1.5	+2.0 / 15	+6.1 / 34	+11 / 50
155.6	156.9	155.9	156.3	159.1	163.2	168.1

3+50

	Gutter	Gut.				
−1.4 / 50	−1.3 / 26	−0.8 / 6	+1.0 / 10	+1.8 / 15	+6.0 / 3.2	+11.1 / 50
155.1	155.2	155.7	157.5	158.3	162.5	167.6

Canyada Way

Sta	B.S.	H.I.	F.S.	Elev
		165.285 ~~171.150~~		
T.P.	5.61	160.265 ~~166.115~~	10.63	154.655 ~~160.505~~
4+00			3.90	156.37
4+50			2.6	157.7
	17' Lt } Top Grate		6.3	154.0
4+76	36.7 Lt } Top Grate		6.3	154.0
4+76	End Pipe 77.7 Lt. F.L.		10.05	150.22
5+00			2.7	157.6
5+50			3.7	156.6
6+00			3.5	156.8

Cross sections (Lt — ℄ — Rt); rod reading / distance, elevation below:

Sta									
4+00	-2.7/50	Gut. -2.2/34	Gut. -1.8/11	+3.0/8	+6.4/25	+10.5/50			
	153.7	154.2	154.6	159.4	162.8	166.9			
4+50	-4.0/50	Gut. -3.5/38	Gut. -3.4/16	-1.8/4	+1.3/4	+3.0/15	+5.6/30	+8.7/50	
	153.7	154.2	154.3	155.9	159.0	160.7	163.3	166.4	
5+00	-5.3/70	-4.0/50	Gut. -4.3/42	Gutter -4.7/22	-3.6/19	-1.2/6	+2.8/19	+4.2/30	+8.1/50
	152.3	153.6	153.3	152.9	154.0	156.4	160.4	161.8	165.7
5+50	W. Bank Creek -3.8/76	Gut -3.6/48	Gut. -4.2/26	-2.4/15	+2.2/15	+4.5/30	+8.4/50		
	152.8	153.0	152.4	154.2	158.8	161.1	165.0		
6+00	W. Bank Creek -5.6/75	-4.6/51	Gut -5.0/30	-4.0/29	-1.8/15	+1.8/15	+3.5/30	+7.0/50	
	151.2	152.2	151.8	152.8	155.0	158.6	160.3	163.8	

Cargada Way

Sta	B.S.	H.I.	F.S.	Elev	
		160.265 ~~166.115~~			
6+39	P.O.T.		3.5	156.8	
B.M. #1.			7.60	152.66 ~~158.51~~	1x1 Stake 55' Lt & 8'
6+50			4.0	156.3	
7+00			5.90	154.4	
7+50			7.1	153.2	
7+50	27.7 Lt +2 To Grate 46.7 Lt +5 82.7 Lt - Fl. Pipe		10.1 10.1 13.2	150.2 150.2 147.1	
T.P.	1.285	154.66 ~~160.51~~	6.89	153.375 ~~153.375~~	
8+00			3.3	151.4	
8+50			4.9	149.8	

	Lt.			℄		Rt.		
	W. Bank Creek	Gut.	Gut.					
	-5.8 / 77	-5.0 / 47	-5.6 / 33	-4.5 / 32	-2.2 / 15	+1.8 / 15	+3.7 / 30	+7.0 / 49
	150.5	154.3	150.7	151.8	154.1	158.1	160	163.3
	W. Bank Creek	Gut.	Gut.					
	-4.6 / 84	-2.8 / 56	-3.7 / 53	-3.8 / 31	-3.0 / 30	-1.5 / 15	+0.3 / 7	+2.2 / 25	+4.1 / 30	+8.8 / 50
	149.8	151.6	150.7	150.6	151.4	152.9	154.7	152.6	158.5	163.2
	W. Bank Creek	Gut.	Gut.					
	-4.1 / 87	-2.8 / 50	-3.8 / 31	-3.0 / 30	-1.2 / 15	+2.2 / 15	+8.6 / 50			
	149.1	150.4	149.4	150.2	152.0	155.4	161.8			
	W. Bank Creek	Gut.	Gut.					
	-3.2 / 82	-2.0 / 50	-2.5 / 45	-2.5 / 24	-1.8 / 23	-1.7 / 15	+1.2 / 13	+4.2 / 30	+8.4 / 50
	148.2	149.4	148.9	148.9	149.6	149.7	153.6	155.6	159.8
	W. Bank Creek	Gut.	Gut.					
	-2.4 / 77	-0.5 / 44	-0.9 / 39	-1.3 / 17	-0.4 / 15	+1.1 / 14	+1.8 / 23	+7.5 / 50
	147.4	149.3	148.9	148.5	149.4	150.4	151.6	157.3

Canyada Way

Sta	B.S.	H.I.	F.S.	Elev	Lt.	℄	Rt.
		154.66 ~~+60 ft~~					
8+93.5	10.2 Lt }	Top	6.4	148.3			
8+97	42.2 Lt }	Grate	6.2	148.5			
	End Pipe F.L.		9.4	145.3			
					W. Bank Creek	Gut	Gut
9+00			5.6	149.1	-3.8 / 65 -2.2 / 5.8	-0.2 / 38 -0.6 / 33	-0.5 / 13 0.0 / 10
					145.3 146.9	148.9 148.5	148.6 149.1
							+0.7 / 15 +1.8 / 30 +4.6 / 50
							149.8 150.9 155.7
					W. Bank Creek	Gut	Gut
9+50			5.5	149.2	-2.4 / 40	-0.6 / 24	-0.5 / 5
					146.8	148.6	148.7
							-0.4 / 15 +0.8 / 35 +2.0 / 50
							148.8 150.0 151.7
T.P.	1.57	150.03 ~~+54.68~~	6.20	148.46 ~~+54.37~~			
						Gut	Gut
10+00			1.1	148.9	-3.6 / 30	-0.3 / 23	-0.5 / 18
							0.0 / 6.0 +0.5 / 15 +2.0 / 50
					145.3	148.6	148.4 148.9 149.4 150.9
	17.6 Rt. }		3.0	147.0			
10+03	30.8 Lt }	F.L. Pipe	5.7	144.3			
10+36.31	B.C.		1.1	148.9			

Canyada Way

Sta.	B.S	H.I	F.S	Elev	
		150.03 ~~155.88~~			
10+50			1.4	148.6	
11+00			2.8	147.2	
11+50			4.2	145.8	
B.M. 2			2.38	147.65 ~~153.50~~	1x1 Hub 25' Rt
12+00			5.2	144.8	
12+50			6.4	143.6	
12+91.22 E.C.					
13+00			7.5	142.5	

Cross sections (Lt — Rt); rod reading / distance, elevation:

Sta.							
10+50	W. Bank Creek −4.5 / 39, 144.1	0.0 / 20, 148.6	E. Gut. ℄ Canyada Way −0.9 / 16, 147.7	+2.0 / 25, 150.6	+3.1 / 50, 151.7	+4.3 / 75, 152.9	W. Gut. Quince St. Road ℄ +4.5 / 96, 153.1
11+00	W. Bank Creek −3.5 / 56, 143.7	−3.3 / 41, 143.9	0.0 / 17, 147.2	Gut. −0.3 / 15, 146.9	+1.6 / 25, 148.8	W. Gut. Quince St. Rd ℄ +2.0 / 55, 149.2	
11+50	−3.0 / 50, 142.8	−0.4 / 15, 145.4	Gut. −0.9 / 13, 144.9	0.0 / 15, 145.8	Gut. −0.2 / 29, 145.6	+7.6 / 50, 153.4	
11+80	−2.2 / 50, 142.6	−2.2 / 35, 142.6	Gut −0.8 / 13, 144.0	Gut −0.3 / 15, 144.5	+4.7 / 32, 149.5	+10.1 / 50, 154.9	
12+50	−1.2 / 50, 142.4	−1.1 / 25, 142.5	Gut. −0.4 / 14, 143.2	Gut. −0.4 / 8, 143.2	+3.0 / 15, 147.6	+7.6 / 41, 151.2	+10 / 50, 153.6
13+00	−1.0 / 50, 141.5	−1.0 / 38, 141.5	Gut −0.3 / 15, 142.2	Gut −0.3 / 9, 142.2	+4.0 / 29, 146.5	+9.3 / 50, 151.8	

High Water Flooded Land (11+80 to 13+00)

Carqada Way

Sta.	B.S.	H.I.	F.S.	Elev
		150.03 ~~150.88~~		
13+50			8.2	141.8
14+00			9.1	140.9
14+50			9.6	140.4
T.P.	1.82	142.25 ~~142.06~~	9.64	140.39 ~~140.24~~
15+00			2.15	139.8
+50			2.9	139.4
16+00			3.3	139.0

High Water Flood Land

Lt

		Gut	
-0.9	-1.4	-0.5	
50	30	12	
140.9	140.4	141.3	
		Gut	
-1.2	-1.2	-0.4	
50	26	11	
139.7	139.7	140.5	
		Gut	
-1.0	-1.0	-0.3	
50	24	13	
139.4	139.4	140.1	
		Gut	
	-1.0	-0.4	
	50	14	
	138.8	139.4	
		Gut	
	-0.6	-0.4	
	50	14	
	138.8	139.0	
		Gut	
	0.0	0.0	
	50	16	
	139.0	139.0	

Rt

Gut			
-0.4	+4.0	+11.0	
9	23	50	
141.4	145.8	152.8	
Gut			
0.0	+1.0	+4.0	+11.4
11	12	24	50
140.9	141.9	144.9	152.3
Gut			
-0.6	+0.4	+4.0	+11.3
11	12	30	50
139.8	140.8	144.4	151.7
Gut			
0.0	+4.3	+13.3	
11	28	50	
139.8	144.1	153.1	
Gut			
0.0	+5.4	+13.5	
10	26	50	
139.4	144.8	152.9	
Gut			
-0.2	+5.6	+14	
9	27	50	
138.8	144.6	153.0	

140.4
+1.3

Canyada Way

Sta	B.S.	H.I.	F.S.	Elev	Lt.			Rt		
		142.2				Gut.			Gut.	
16+53.59	B.C.		3.9	138.3	-0.6 / 50	-0.6 / 30	0.0 / 15	-0.3 / 8	+5.3 / 26	+14.6 / 50
					137.7	137.7	138.3	138.0	143.6	152.9
						Gut.			Gut.	
17+00			4.2	138.0	-1.1 / 50	-0.9 / 35	0.0 / 15	+0.3 / 11	+2.0 / 28	+9.5 / 40	+14 / 50
					136.9	137.1	138.0	138.3	140.0	147.5	152.0
						Gut.			Gut.	
17+50			4.5	132.7	-1.0 / 50	-0.9 / 22	0.0 / 15	-0.3 / 9	+4.0 / 27	+9.1 / 50
					136.7	136.8	137.7	137.4	141.7	146.8	
							Gut.	Gut	intersect Road	
18+00			4.8	132.4	+0.4 / 50	-0.3 / 27	-0.3 / 14	0.0 / 13	+4.4 / 21	+6.0 / 50
					137.8	137.1	137.1	137.4	141.8	143.4	
					W. Bank Creek		Gut.		Gut.	
18+50			5.3	136.9	-2.2 / 50	-1.2 / 44	-0.9 / 25	0.0 / 14	-0.2 / 15	+1.7 / 40	+5.5 / 50
					134.7	135.7	136.0	136.9	136.7	138.6	142.4
					W. Bank Creek		Gut.		Gut		
19+00			5.4	136.8	-1.0 / 44	-1.2 / 24	-0.5 / 15	0.0 / 14	0.0 / 27	+1.2 / 50	
					135.8	135.6	136.3	136.8	136.8	138.0	

Canyada Way

Sta	B.S.	H.I.	F.S.	Elev		Lt.			Rt.		
		142.21 ~~146.06~~									
T.P.	2.26	139.42 ~~141.37~~	5.25	136.96 ~~142.81~~		W. Bank Creek		Gut	Gut		
						-3.8	-1.3	-0.4	-0.4	-1.0	-0.2
19+50			2.4	137.0		34	27	15	14	31	50
						137.1	135.7	136.6	136.6	136.0	136.8
19+74.03	B.C. on Bridge		2.4	137.0							
						+0.2	-1.0	-0.2	0.0	0.0	-3.3
20+00	on Bridge	S. End.	2.5	136.9		50	39	20	15	27	50
						137.1	135.9	136.7	136.9	136.9	133.6
20+04.85	B.C.			136.9 M. L.		+0.3	-1.0	-0.2	+0.3	+0.5	
						50	31	16	27	47	
B.M. # 3			1.50	137.92 ~~141.77~~	E. Side S.W. Corn	137.2	135.9	136.7	137.2	137.4	
20+25			2.8	136.65 ~~140.5~~	Bridge Parapet Wall						
								Gut.	Gut.		
20+50			3.3	136.1		+5.3	+3.0	-0.4	-0.2	0.0	0.0
						50	27	16	14	29	50
						141.4	139.1	135.7	135.9	136.1	136.1
20+75											
			3.5	135.9							

Camyada Way

Sta.	B.S.	H.I.	F.S.	Elev
		139.42 ~~144.37~~		
21+00			3.8	135.6
21+25			4.1	135.3
21+50			4.3	135.1
21+75			4.5	134.9
22+00			4.8	134.6
22+04	2 Ft. Lt M.H.		4.64	134.78

Fence +7.0 / 39 — +3.0 / 18 — Gut −0.2 / 13 — Gut. 0.0 / 14 — +1.3 / 15 — +0.5 / 10

142.6 — 138.6 — 138.4 — 135.6 — 136.9 — 136.1

(Note. T.B. = Top Bank)

Fence +8.7 / 29 — +6.3 / 19 — Gut. −0.3 / 13 — Gut. −0.4 / 14 — T.B. Hilly Pond −1.0 / 10

143.8 — 141.4 — 136.8 — 136.7 — 136.1

Fence +8.7 / 26 — +5.2 / 17 — Gut. −0.3 / 14 — Gut −0.2 / 13 — T.B. L. Pond −0.3 / 46

143.3 — 139.8 — 136.3 — 136.4 — 136.3

See Pg 1 - Book 1520

Δ = 34-12 Rt

1+93-68 P.I EX = 28

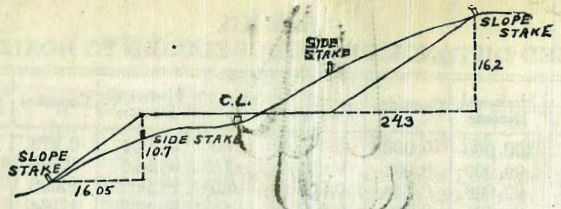
-12 -145

37 4216

IMPROVED TABLES

AND

INFORMATION



DISTANCES FROM SIDE STAKES FOR CROSS-SECTIONING.

SLOPE 1½ TO 1. ROADWAY OF ANY WIDTH.

	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	
0	0 00	0 15	0.30	0.45	0.60	0.75	0.90	1.05	1.20	1.35	0
1	1.50	1 65	1 80	1.95	2.10	2.25	2.40	2.55	2.70	2.85	1
2	3.00	3.15	3.30	3 45	3.60	3 75	3.90	4.05	4.20	4 35	2
3	4.50	4 65	4.80	4.95	5.10	5 25	5 40	5.55	5.70	5.85	3
4	6.00	6 15	6.30	6.45	6.60	6.75	6.90	7.05	7.20	7.35	4
5	7 50	7.65	7.80	7.95	8.10	8.25	8.40	8.55	8.70	8.85	5
6	9 00	9 15	9.30	9.45	9.60	9.75	9.90	10.05	10.20	10.35	6
7	10.50	10 65	10.80	10.95	11.10	11.25	11.40	11.55	11 70	11.85	7
8	12.00	12 15	12.30	12.45	12.60	12.75	12.90	13.05	13.20	13.35	8
9	13 50	13.65	13 80	13 95	14.10	14.25	14.40	14 55	14.70	14.85	9
10	15.00	15 15	15 30	15 45	15.60	15.75	15.90	16.05	16.20	16 35	10
11	16 50	16 65	16 80	16.95	17 10	17.25	17.40	17.55	17.70	17.85	11
12	18 00	18.15	18.30	18 45	18.60	18 75	18.90	19.05	19.20	19 35	12
13	19 50	19 65	19.80	19.95	20.10	20.25	20 40	20.55	20.70	20.85	13
14	21.00	21 15	21.30	21.45	21 60	21.75	21.90	22 05	22 20	22 35	14
15	22 50	22 65	22 80	22 95	23.10	23.25	23.40	23.55	23.70	23.85	15
16	24.00	24 15	24 30	24 45	24.60	24.75	24 90	25 05	25.20	25.35	16
17	25.50	25 65	25.80	25 95	26.10	26 25	26 40	26.55	26.70	26.85	17
18	27.00	27 15	27.30	27 45	27.60	27.75	27.90	28.05	28 20	28.35	18
19	28 50	28 65	28 80	28.95	29.10	29.25	29.40	29.55	29.70	29.85	19
20	30 00	30.15	30.30	30.45	30.60	30.75	30.90	31.05	31.20	31.35	20
21	31 50	31 65	31.80	31.95	32.10	32 25	32.40	32.55	32 70	32 85	21
22	33 00	33 15	33 30	33 45	33.60	33 75	33.90	34.05	34.20	34.35	22
23	34 50	34 65	34.80	34.95	35.10	35 25	35 40	35.55	35.70	35 85	23
24	36.00	36 15	36.30	36 45	36.60	36.75	36.90	37.05	37.20	37.35	24
25	37.50	37.65	37 80	37.95	38.10	38.25	38.40	38.55	38.70	38.85	25
26	39 00	39 15	39.30	39 45	39 60	39.75	39.90	40.05	40.20	40.35	26
27	40.50	40 65	40 80	40.95	41.10	41.25	41 40	41.55	41.70	41.85	27
28	42 00	42 15	42.30	42.45	42.60	42 75	42.90	43.05	43.20	43.35	28
29	43 50	43 65	43.80	43 95	44.10	44 25	44 40	44.55	44.70	44 85	29
30	45 00	45 15	45.30	45 45	45.60	45.75	45.90	46.05	46 20	46.35	30
31	46.50	46.65	46.80	46 95	47.10	47.25	47.40	47.55	47.70	47.85	31
32	48 00	48.15	48.30	48 45	48.60	48 75	48.90	49.05	49 20	49.35	32
33	49.50	49 65	49.80	49.95	50.10	50.25	50.40	50.55	50.70	50.85	33
34	51 00	51.15	51.30	51.45	51.60	51.75	51.90	52.05	52.20	52.35	34
35	52 50	52.65	52.80	52.95	53.10	53.25	53.40	53.55	53.70	53.85	35
36	54 00	54.15	54.30	54 45	54.60	54.75	54.90	55.05	55.20	55.35	36
37	55 50	55 65	55.80	55.95	56.10	56.25	56.40	56.55	56.70	56.85	37
38	57.00	57.15	57.30	57 45	57.60	57.75	57.90	58.05	58.20	58 35	38
39	58 50	58.65	58 80	58.95	59.10	59 25	59.40	59 55	59.70	59.85	39
40	60 00	60.15	60 30	60 45	60 60	60.75	60 90	61.05	61 20	61.35	40
41	61.50	61 65	61 80	61 95	62 10	62 25	62.40	62 55	62 70	62.85	41
42	63 00	63.15	63 30	63 45	63 60	63 75	63 90	64 05	64 20	64.35	42
43	64.50	64 65	64 80	64.95	65.10	65 25	65 40	65.55	65.70	65.85	43
44	66 00	66 15	66.30	66.45	66.60	66.75	66.90	67.05	67.20	67.35	44
45	67 50	67 65	67 80	67.95	68.10	68.25	68.40	68.55	68.70	68.85	45
46	69 00	69 15	69 30	69.45	69.60	69.75	69.90	70.05	70.20	70.35	46
47	70.50	70 65	70 80	70 95	71.10	71.25	71.40	71.55	71.70	71.85	47
48	72.00	72 15	72.30	72.45	72.60	72.75	72.90	73 05	73.20	73 35	48
49	73 50	73 65	73.80	73.95	74.10	74.25	74.40	74.55	74.70	74.85	49
50	75.00	75.15	75.30	75.45	75.60	75.75	75.90	76.05	76.20	76.35	50

Computed by L. Leland Locke.

1479-66 26+56.13 66

97.89

180.74 =11 are

5440.52

5538.41 27+14.1

79.55 26-50 Δ

5617.96 P.1 T200

12.00
7.61
4.39

164.24
1182
166.06
5.25
160.81
2.46
163.27

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93.845

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12.93
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2.30
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160.505
5.61
166.115
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160.510
6.20
154.310
1.57
155.88
9.64
146.24 ✓
10.05
156.29 ✓
.78 ✓
155.51 ✓
8.78 ✓
164.29 ✓
.77 ✓
163.52 ✓
.32 ✓
.84 ✓
.11 ✓
.83 ✓
.21 ✓
181.85
0.35
181.50

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155.88
2.38
153.50

35

163.27
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161.77

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1.33
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8.03
114.240
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103.115
2.43
105.545

12.91
133.24
37.15
94.09

49
87
136

212
5136
72
260.15

1300
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179
3267
21167

125
55
625
625
6875

19+95.86
19+74.52
20.32

2 / 65.94
32.97

182.10
13.8
168.30

2 / 65.91
32.955