1544

POSTS

LEVEL BOOK

No 381 F

1544

MICROFILMED
DEC 24 1964

ENGINEERING DEPARTMENT
CITY OF SAN DIEGO
CALIFORNIA.

MADE IN U.S.A.

Our Leather Bound Engineers Note Books are carried in the following rulings:

No. 380 LEVEL BOOK.	Left and Right Hand Page the same as Left Hand Page of this Book.
No. 382 FIELD BOOK.	Left Hand Page as in this Book, Right Hand Page 4x4 to the inch, Center Line Red.
No. 384 MINING TRANSIT BOOK.	Left Hand Page as in this Book, Right Hand Page 8x8 to the inch, Center Line Red.
No. 385 FIELD BOOK.	Left Hand Page as in this Book, Right Hand Page 8 vertical and 4 horizontal lines to the inch, Center Line Red.

We also carry the Note Books listed above, bound in extra strong Fabri-Hide (otherwise the same quality of book,) which can be furnished at a somewhat lower price.

In ordering Fabri-Hide covered books, add the letter "F" to catalog number.

THE FREDERICK POST CO.

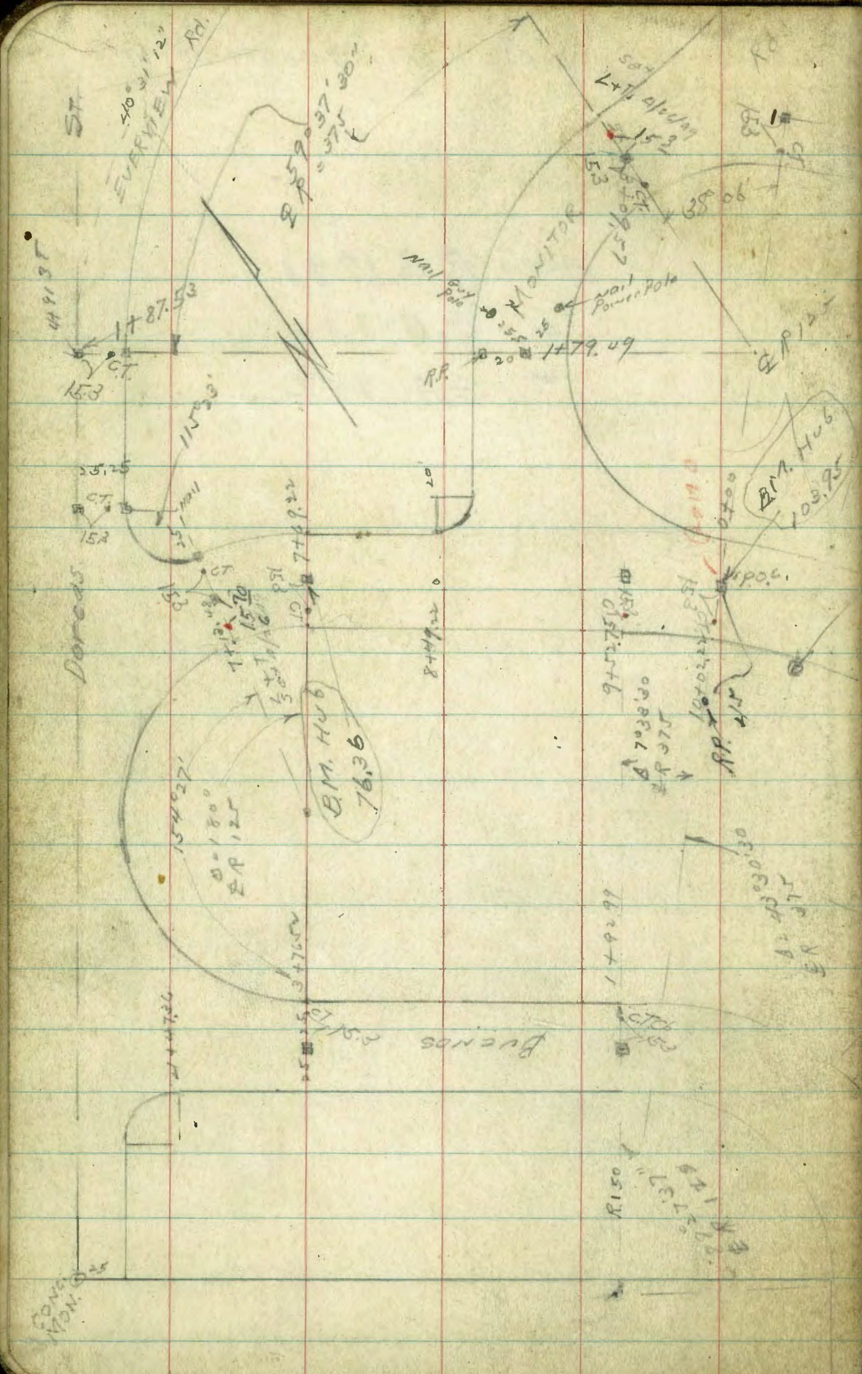
ENGINEERING and DRAFTING SUPPLIES

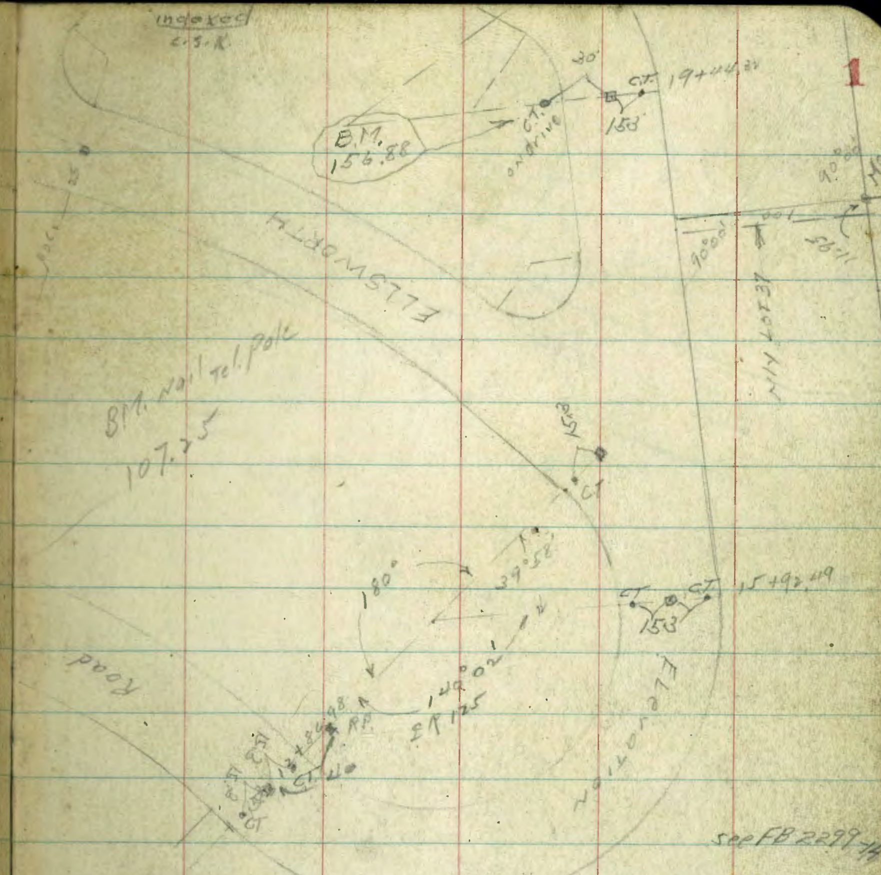
P. O. Box 803 CHICAGO

Entire Book Indexed 9-28-37
C.S.K.

Also F.B. 1791
✓ C.B 246
✓ G.B. 252

indexed C.3.R.





see FB 2299-74

Note All Hubs are New 10/7/54 and elv. of BMs are changed on them.

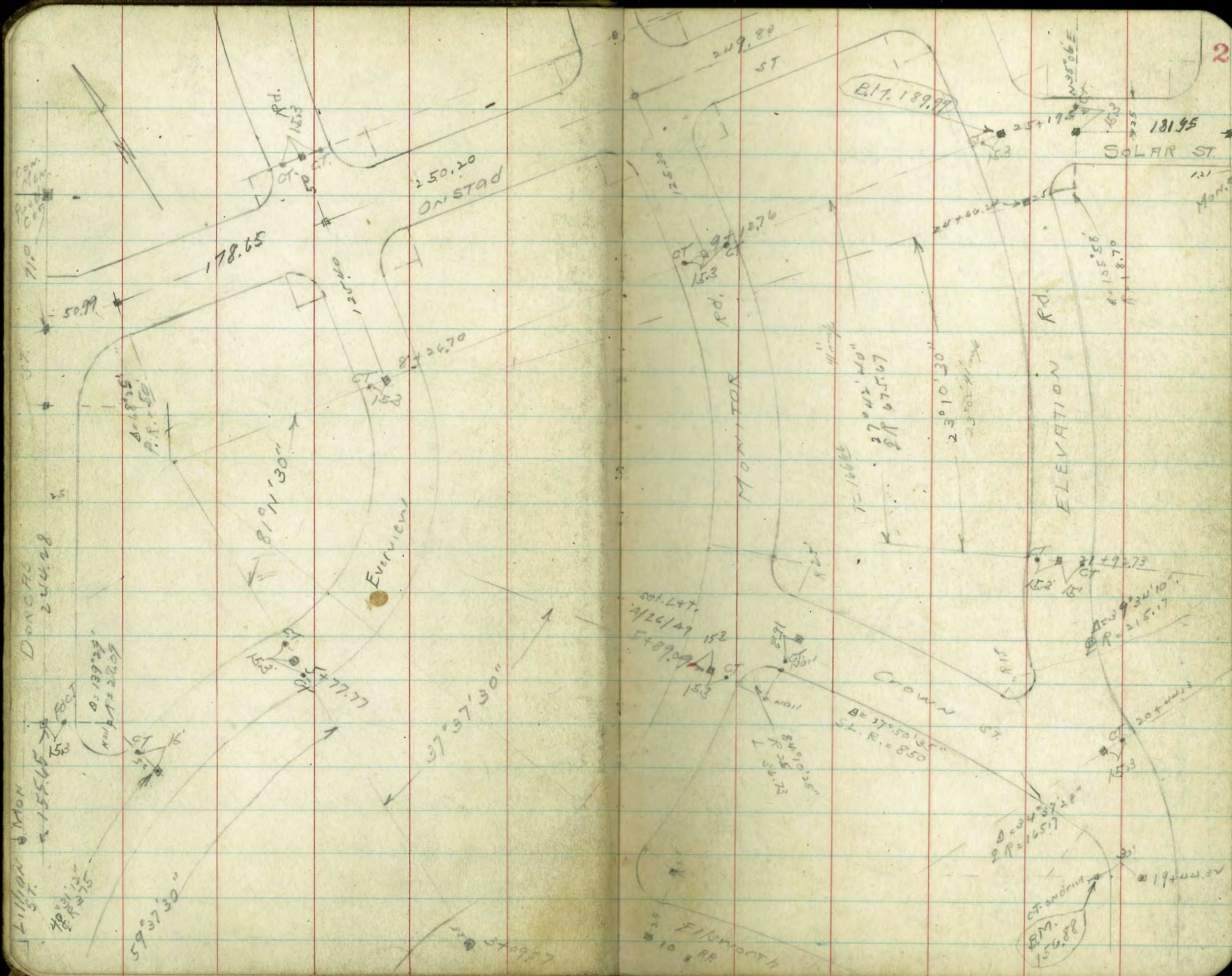
TIE PTS. ₵ STA. ▪ = 2 x 2 RW Hubs

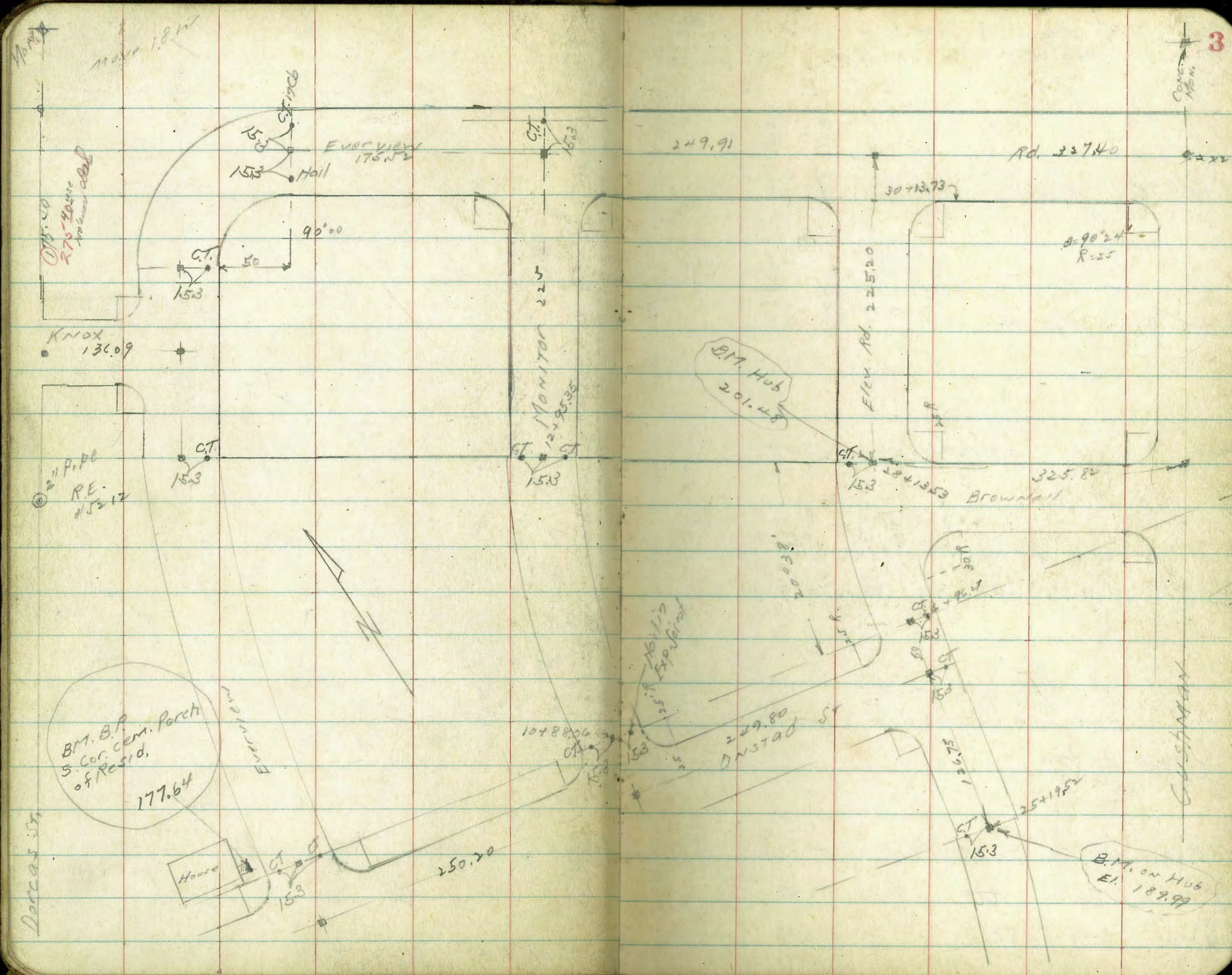
OVERLOOK HTS.

See xsec. Notes for angles

" Map " "

WEEKS Add. See FB 871 for Ties


ONSTAD
250.20
178.65
50.99
DORCAS
244.28
Lillian ST.
Everview
37°37'30"
59°37'30"
MONITOR
Rd.
ELEVATION
Rd.
SOLAR ST.
181.95
B.M. 189.99
Crown St.
23°10'30"
31+92.73
Ellsworth
B.M. 154.88
CT. on drive
8+24.70
5+77.77
Set. L+T. 4/26/49


Mon.
Evervievv
175.52
Hail
C.T.
15.3
90°00
50
Knox
136.09
2" Pipe
R.E.
#5212
BM. B.P.
S. Cor. cem. Porch
of Resid.
177.64
House
250.20
Evervievv
Dorcas St.
Monitor
12+95.35
10+88.56
249.91
Rd. 337.40
30+13.73
Elev. Rd. 225.20
B.M. Hub
201.48
28+13.53
Brownell
325.82
R=25
249.80
Onstad St
126.75
25+19.52
B.M. on Hub
El. 189.99
Cushman
Conc. Mon.

X sec of Buenos St. 50' wide Beg. N'ly of Weeks Add.

Moore Simon Northern 8-23-37

Indexed L.S.K.

							LT.		℄		RT.		
							46.5	47.8	47.8	47.2	48.1	48.5	49.3	49.8	50.7
							13.0 / 18	11.7 / 25	11.7 / 16	12.3 / 12	11.4	11.0 / 18	10.3 / 19	9.7 / 27	8.8 / 30
1+44.74	33° 10' 21"														
			Δ = 88° 27' 37"												
			℄R = 125												
			T = 121.68												
			℄C = 192.99												
			E.L. = 131.59												
0+96.49	22° 06' 54"							45.7	46.4	45.3	46.6	46.7	47.7	48.7	
								12.8 / 28	13.1 / 19	14.2 / 17	12.9	12.8 / 17	11.8 / 19	10.8 / 30	
T.P.	12.11	59.50	0.21	47.39							59.50				
								43.5	43.3	42.5	43.6	43.4	44.1	45.8	
0+48.24	11° 03' 27" LT							4.1 / 28	4.3 / 23	5.1 / 18	4.0	4.2 / 14	3.5 / 16	1.8 / 30	
								40.1	39.7	39.2	39.6	39.4	40.1	40.6	
0+0 = B.C.	N'ly Weeks Add. St. 40' wide to 50' wide at ℄							7.5 / 30	7.9 / 25	8.4 / 20	8.0	8.2 / 14	7.5 / 18	7.0 / 30	
NOTE!	℄ STA.														
T.P.	12.84	47.60	0.22	34.76							47.60				
T.P.	12.41	34.98	2.91	22.37											
BM. Mon.	8.42	25.28		16.86	N end Dyke near Weeks Add.										

Buenos

4+11.94 taken on Tang. of Buenos

3+76.52 B.C. Rt. Δ 180° Rt

+50

3

2+50

1+92.99 = E.C. 44° 13' 48"

59.50

			44.1	45.7	48.0	48.2	48.0	
			15.4	12.8	11.4	11.3	11.5	
			25	20		35	25	
	43.1	45.1	46.9	47.8	47.9	47.9	48.0	
	16.2	14.4	12.6	11.7	11.6	11.6	11.5	
		29	9	5		15	25	
			45.3	46.7	48.0	47.9	47.8	
			14.2	12.2	11.4	11.6	11.7	
			25	15		14	25	
		45.4	47.1	46.7	47.8	48.1	48.0	
		14.1	12.4	12.8	11.7	11.4	11.5	
		25	14	12		16	25	
	43.4	44.3	46.7	47.2	46.9	47.6	48.2	48.4
	16.1	15.2	12.8	12.3	12.6	11.9	11.3	11.1
	28	25	20	12	10		15	25
	45.5		47.7	47.9	47.6	48.3	48.5	49.3	49.5
	14.0		11.8	11.6	11.9	11.2	11.0	10.2	10.0
	30		21	12	10		19	21	25

59.50

Indexed
0.S.I.K.

T.P.	12.80	72.02	0.28	59.22	Rock
5+72.87	Δ = 90°00' Ely Dorcas				
5+23.78	67°30' = Δ				
4+74.69	45°00' = Δ				
4+25.61	22°30' = Δ on Curve continuing on Elev. Rd.				
4+72.36	= Ely Dorcas & Buenos				
4+47.36	= B.C. L.T. 25' P.R.				
		59.50			

Elev. Rd.

59.5	59.5	57.8	57.1	56.9	57.5	57.9
0.0 / 25	0.0 / 22	1.7 / 18	2.4	2.4 / 15	2.0 / 19	1.6 / 25
	52.5	52.6	52.8	52.3	53.7	54.1
	7.0 / 25	6.9 / 15	6.7	7.2 / 15	5.8 / 19	5.4 / 25
48.3	49.2	49.7		49.7	50.7	
11.2 / 25	10.2 / 15	9.8		9.8 / 15	8.8 / 25	
46.3	47.4	48.2		48.1	48.3	
12.2 / 25	12.1 / 15	11.3		11.4 / 16	11.2 / 25	
	44.7	46.5		48.9		
	14.8 / 25	13.0		10.6 / 25		
43.7	45.4	47.5		48.4	47.9	
15.8 / 25	14.1 / 20	12.0		11.1 / 10	11.6 / 25	
		59.50				

I.P.	13.00	97.67	0.21	84.67		
8						
7+69.27	= E.C. of Δ 180°		8.52	76.36	on ℄ Hub B.M.	
7+13.48	= P.R.C. on LT. Δ = 154°27'					
T.P.	13.00	84.88.	0.14	71.88.		
6+71.04	135°00' = Δ					
6+21.95	112°30' = Δ					
		72.02				

LT.		℄		Pt. Elev. Rd.
81.2 / 3.7 / 25	80.5 / 4.4 / 12	80.1 / 4.8 / 10	80.0 / 4.9	79.2 / 5.7 / 13	79.7 / 5.2 / 15	78.8 / 6.1 / 25
70.2 / 14.7 / 35	75.8 / 9.1 / 25	77.8 / 7.7 / 22	76.9 / 8.0 / 12	76.4 / 8.5 / 10	76.5 / 8.4	75.5 / 9.4 / 14	76.0 / 8.9 / 15	75.3 / 9.6 / 25	75.1 / 9.8 / 28	64.7 / 20.2 / 45
Location for Prop. Culvert										
		73.8 / 11.1 / 25		72.2 / 12.7	71.1 / 13.8 / 10	71.8 / 13.1 / 14	70.8 / 14.1 / 25			
				84.88						
		70.7 / 1.3 / 25		68.4 / 3.6	67.5 / 4.5 / 12	67.9 / 4.1 / 14	67.6 / 4.4 / 25			
64.4 / 7.4 / 25		63.6 / 8.4 / 15		62.7 / 9.3	61.9 / 10.1 / 14	62.2 / 9.8 / 16	63.0 / 9.0 / 25			
				72.02						

9+77.48	10°52'22"			
9+52.75 = BC RT		Δ = 7°23'30" ER = 375 T = 24.77 EL = 49.47		
T.P.	12.98	110.29	0.36	97.31
9				
8+84.22				
	8+94.22 E MONITOR			
	8+69.22 WL MONITOR TO LT.			
8+59.22	8+49.22 = PC ON LT.			
		97.67		

Lt.		℄		Rt	
106.8	106.9	104.3	102.7	102.4	101.7	102.3	101.8	100.4
3.5 / 25	3.4 / 12	6.0 / 5	7.6 / 4	7.9	8.6 / 14	8.0 / 16	8.5 / 23	9.7 / 24
107.3	106.9	102.1	100.5	100.0	99.4	100.1	99.8	97.6
2.0 / 25	2.4 / 18	8.2 / 7	9.8 / 5	10.3	10.9 / 14	10.2 / 15	10.5 / 27	12.7 / 25
			110.29					
	97.0	95.1		94.2	93.3	94.1	93.5	91.2
	10.7 / 25	12.6 / 12		14	14 / 13	14 / 15	14 / 20	16 / 24
98.1	94.5	92.7		91.9	91.2	91.7	91.6	90.0
+ 0.4 / 50	3.2 / 25	5.0 / 15		5.8	6.5 / 13	6.0 / 15	6.1 / 22	7.7 / 25
	91.0	89.4		88.4	87.7	88.1	87.3	
	6.7 / 25	8.3 / 13		9.3	10.0 / 13	9.6 / 14	10.4 / 25	
			97.67					

11+92.06	14°30'08"						
11+44.60	10°57'26"						
		Δ = 43°30'30"					
		D = 3°15					
		T = 149.64					
		L = 284.76					
11+25							
10+97.24	7°15'04"						
10+49.48	6°37'32"						
10+02.22	POC, RT PRC LT on Monitor Rd.	6.34	103.95	B.M. on E Hub			

110.29

Elev. Rd.	LT			℄		RT	
	107.7	107.3	106.8	107.0	106.2	106.8	105.8	103.9
	2.6 / 25	3.0 / 18	4.5 / 17	3.4	4.1 / 12	4.5 / 15	4.5 / 21	6.4 / 25
	109.9	109.3	108.7	108.5	107.9	108.1	104.8	
	0.4 / 25	1.0 / 18	1.4 / 17	1.8	2.6 / 12	2.2 / 18	6.0 / 25	
	109.8	109.5	109.0	108.8	107.9	108.3	108.3	105.6
	0.5 / 25	0.8 / 18	1.3 / 17	1.5	2.4 / 12	2.0 / 14	2.0 / 19	4.7 / 25
	114.3	109.1	108.1	108.4	107.3	107.7	107.5	
	+4.0 / 25	1.2 / 22	2.2 / 13	1.9	3.0 / 15	2.6 / 18	2.8 / 25	
		107.1	106.8	106.7	105.6	106.1	105.8	
		4.2 / 25	4.5 / 14	3.6	4.7 / 14	4.2 / 10.5	4.5 / 25	
	106.6	106.0	104.6	104.2	103.5	103.9	102.8	101.5
	3.7 / 25	4.3 / 5	5.7 / 4	6.1	6.8 / 14	6.4 / 15	7.5 / 12	8.8 / 25

110.29

Elev. Rd.

14+39.73 Δ = 70°01'

13+88.81 Δ = 46°40'40" Δ = 140°02'
R = 125
L = 305.51

13+37.90 Δ = 23°20'20"

T.P 12.95 120.70 25+ 107.75

12+84.98 PRC of Δ 180°
21°45'15"

12+39.5+ 18°07'20" Proposed curb outlet on Rt.

110.29

115.7	115.7	115.2	115.2	114.2	114.9	112.0
5.0 / 25	5.0 / 19	5.4 / 18	5.5	6.0 / 9	5.8 / 20	8.7 / 25
110.8	110.7	110.0	110.4	110.0	109.5	106.6
9.9 / 25	10.0 / 20	10.7 / 19	10.3	10.7 / 8	11.2 / 20	14.1 / 25
107.7	107.7	107.2	107.7	106.8	106.5	102.4
13.0 / 25	13.0 / 20	13.5 / 19	13.0	13.9 / 10	14.2 / 18	18.3 / 25

120.70

106.1	106.5	106.6	105.0	102.1	
4.4 / 25	4.8 / 15	4.7	5.3 / 17	8.2 / 25	
106.2	105.8	106.2	105.4	105.0	103.1
4.1 / 25	4.5 / 15	4.1	4.9 / 12	5.3 / 22	7.2 / 25

110.29

Elev. Rd.

℄

17					4.3/35 140.9 · 4.0/15 141.2 · 4.0 141.2 (℄) · 4.8/15 140.4 · 4.2/16 141.0 · 4.0/25 141.2
16+50.					7.5/25 137.7 · 7.3/15 137.9 · 7.5 137.7 (℄) · 8.0/15 137.2 · 7.5/16 137.7 · 7.1/22 138.1 · 5.0/25 140.2
15+92.49	P.C.C. LT. = Δ 140°02' P.C. RT.				12.8/25 132.4 · 12.6/15 132.6 · 12.9/14 132.3 · 12.2 133.0 (℄) · 12.7/14 132.5 · 12.0/15 133.2 · 11.6/22 133.6 · 11.0/25 134.2
T.P.	12.46	145.19	0.18	132.53	145.19
15+41.57	Δ = 116°41'40"				5.4/25 127.3 · 5.6/12 127.1 · 5.0 127.7 (℄) · 5.7/11 127.0 · 4.9/12 127.8 · 5.4/25 127.3
14+90.65	Δ = 93°21'20"				10.45/30 122.26 (MH Sin. Cov. / cem. floor) · 10.76/27 121.95 (edge apron) · 10.7/25 122.0 · 11.4/15 121.3 · 11.7 121.0 (℄) · 12.5/10 120.2 · 11.8/11 120.9 · 12.2/19 120.5 · 15.6/25 117.1
T.P.	12.44	132.71	0.43	120.27	132.71
		120.70			

17	19				
16+	+50				
15+	18				
T.P.	17+66.96	P.C. on ℄ T.			
15+	T.P. on Rock	12.82	157.48	0.53	144.66
14+	17+50				
T.P.			145.19		

℄ Elev. P.C.

153.7	153.5	152.9	153.2	152.4	153.2	152.9			
3.8 / 25	4.0 / 14	4.6 / 13	4.2	5.1 / 16	4.3 / 17	4.3 / 25			
149.9	150.0	149.4	150.5	149.9	150.4	150.6			
7.8 / 25	7.5 / 14	8.1 / 13	7.0	7.4 / 14	7.1 / 16	6.9 / 25			
146.5	147.2	146.5	147.3	146.6	147.4	147.9			
11.0 / 25	10.3 / 14	11.0 / 13	10.2	10.9 / 14	10.1 / 15	10.2 / 25			
144.6	145.2	144.7	145.3	144.8	145.4	145.4			
12.9 / 25	12.3 / 14	12.8 / 13	12.2	12.7 / 16	12.1 / 15	12.1 / 25			
			157.48						
143.9	144.2	143.7	144.3	143.7	144.3	144.6			
1.2 / 25	1.0 / 14	1.5 / 13	0.9	1.4 / 15	0.9 / 17	0.6 / 25			
			145.19						

17	21 + 43.20	13°11'24"				
			Δ = 39°34'10" E R = 215.17 T = 76.70 E L = 148.60			
16 +	20 + 93.44	6°35'42"				
15 +	20 + 44.13	PRC.	17°18'44"			
T.P.	19 + 94.22		8°39'20"			
15 +	T.P.	11.47	168.35	0.60	156.88	B.M.
			Δ = 44°37'28" E R = 165.17 T = 51.48 E L = 99.27			
14 +	19 + 44.32	B.C. LT				
T.P.						
		157.48				

℄ Elev. Rd

13

166.1 | 164.7 | 164.8 | 164.4 | 165.4 | 164.8 | 165.7 | 165.5
2.3/25 | 3.7/24 | 3.6/14 | 4.0/13 | 3.0 | 3.6/17 | 2.7/18 | 3.9/25

162.5 | 162.5 | 161.5 | 162.2 | 162.1
5.9/25 | 5.9 | 6.9/18 | 6.2/19 | 6.0/25

160.0 | 159.8 | 158.9 | 159.5 | 159.2
8.4/24 | 8.6 | 9.5/15 | 8.9/16 | 9.2/25

157.3 | 156.6 | 157.4 | 156.5 | 156.9 | 156.7
11.1/25 | 11.8/21 | 11.0 | 11.9/14 | 11.5/15 | 11.7/25

168.35

LT. 30' Rt. C.T. in Cem Apron

158.5 | 156.13 | 152.3 | 155.3 | 154.4 | 155.2 | 154.4 | 155.2 | 154.6
1.0 | 1.35/263 | 1.2/25 | 2.2/15 | 3.1/14 | 2.3 | 3.1/15 | 2.3/16 | 2.9/25

Ecdge cem apron

Ecin. Gar. cem. floor

157.48

Elev. Rd

17	24+10.14	9°13'00"			
16+	23+55.78	6°54'48"	Δ = 27°42'40"		
			PI = 67567		
			T = 166.65		
			FL = 326.79		
15+	T.P.	12.51	193.08	0.41	180.57
T.P.	23+01.44	4°36'32"			
15+	22+47.08	2°18'16"			
14+	21+93.73	= P.R.C.	19°47'05"		
T.P.	T.P.	12.92	180.98	0.29	168.06
			168.35		

190.3	185.6	185.5	185.2	186.1	185.1	186.0	186.0	
2.8 / 25	7.4 / 22	7.6 / 16	7.9 / 13	7.0	8.0 / 16	7.1 / 17	7.1 / 25	
184.3	182.4	182.5	181.8	182.8	182.0	182.8	182.9	
8.8 / 25	10.7 / 23	10.6 / 15	11.3 / 12	10.3	11.1 / 16	10.3 / 17	10.2 / 25	
				193.08				
179.5	178.7	178.6	178.1	178.7	177.9	178.5	178.6	
1.5 / 25	2.3 / 23	2.4 / 15	2.9 / 12	2.3	3.1 / 15	2.4 / 16	2.4 / 25	
174.6	173.7	173.8	173.2	174.0	173.2	173.8	173.7	
6.2 / 25	7.3 / 22	7.2 / 15	7.8 / 12	7.0	7.8 / 14	7.2 / 16	7.2 / 25	
171.3	169.2	168.8	168.3	169.1	168.6	169.3	169.2	
9.7 / 25	11.8 / 22	12.2 / 15	12.7 / 12	11.9	12.4 / 16	11.7 / 17	11.8 / 25	
				180.98				

								℄	Elev. Rd.
17	26+21.75 = Sly on stad								
16+	25+96.75								
15+	T.P. 25+19.52	11.88	201.87	3.09	189.99	on ℄ Hub	S of N. Solar St.	201.87	
T.P.	+50								
15+	25+19.52 E.C. on Hub. ← 13°51'20"			3.09	189.99	BM. on ℄ Hub			
14	24+66.24 P.O.C. P.R.C. on Rt. at Solar St.			11°35'15"					
T.P.									
			193.08					193.08	

Cross sections (right page), rod reading / distance and elevation, left to right:

Station								
17			9.0/25 192.9	9.0/24 192.9	8.6 193.3	9.3/16 192.6	8.8/17 193.1	9.0/25 192.9
16+	8.9/25 193.0	9.9/23 192.0	9.9/14 192.0	10.3/13 191.6	9.7 192.2	10.5/16 191.4	9.8/17 192.1	10.1/25 191.8
T.P. +50	0.5/25 192.0	2.1/23 191.0	2.2/13 190.9	2.8/12 190.3	2.3 190.8	3.2/17 189.9	2.8/19 190.3	3.2/25 189.9
15+	+0.7/25 193.8	2.8/21 190.3	2.9/12 190.2	3.3/11 189.8	2.8 190.3	3.2/15 189.9	3.9/25 189.2	
14	0.5/25 192.6	4.0/22 189.1	4.2/13 188.9	4.8/12 188.3	4.3 188.8	5.4/19 187.7	4.9/20 188.2	5.0/25 188.1

	28+13.53 T.P.	12.03	213.51	0.39	201.48	B.M. 2x2 ℄ Hub
17	28+13.53	E.C.				
16	27+54.9	℄ Curve		Δ = 20°38'		
				E R = 325.62		
				T = 59.27		
				℄ L = 117.26		
15	27+26					
	27+18	N 1.5 r, 660ft			197.20	
	27+14	S 1.5 r, 660ft			197.14	
	27+05	℄ 4' walk			197.0	
T.	26+96.27	B.C. R.T.				
15	26+71.27					
14	26+46.27					
T.			201.87			

℄ Elev. Rd

N.L. Brownell St. & Elev. Rd.

201.9	201.2	201.2	200.7	201.4	201.6	200.9
0.0 / 25	0.7 / 23	0.7 / 14	1.2 / 13	0.2	0.3 / 15	1.0 / 25
197.7	199.0	198.8	198.3	199.3	199.5	197.5
2.2 / 25	2.9 / 23	3.1 / 14	3.4 / 13	2.6	2.4 / 17	2.4 / 25
	197.4	197.5	197.2	197.9	197.5	198.2 / 198.2
	4.5 / 25	4.4 / 13	4.7 / 12	4.0	4.4 / 17	3.7 / 18 — 3.7 / 25
196.1	196.1		195.7	196.9	196.1	196.7 / 196.8
5.8 / 25	5.8 / 15		6.2 / 14	5.2	5.8 / 16	5.2 / 17 — 5.1 / 4
	194.5		195.1	195.4	194.9	195.4 / 195.5
	7.4 / 25		6.8 / 15	6.5	7.0 / 16	6.5 / 17 — 6.4 / 4
194.1			194.3	194.4	193.7	194.1 / 194.1
7.8 / 25			7.4 / 15	7.5	8.2 / 16	7.8 / 17 — 7.8 / 4

201.87

Station				℄		Elev. Rd.	
30+13.73	Sly Everview Rd.		8.0/25 205.5	8.6/24 204.9	6.6 206.9	6.6/21 206.9	6.0/25 207.5
29+88.73	P.C.	8.4/25 205.1	7.7/15 205.8	8.2/14 205.3	7.2 206.3	7.3/15 206.2	6.9/14 206.6	6.8/25 206.7
29+50		8.9/25 204.6	8.4/15 205.1	9.0/14 204.5	8.0 205.5	8.4/14 205.1	8.0/15 205.5	7.5/25 206.0
29		9.8/25 203.7	9.5/15 204.0	10.0/14 203.5	9.2 204.3	10.0/15 203.5	9.6/16 203.9	9.5/25 204.0
28+60		10.5/25 203.0	10.6/15 202.9	11.1/14 202.4	10.3 203.2	11.1/15 202.4	10.4/16 203.1	10.5/25 203.0
28+38.53		11.2/25 202.3	11.4/14 201.9	12.1/14 201.4	11.0 202.5	11.7/16 201.8	11.2/17 202.3	11.2/25 202.3

213.51

213.51

X sec of Solar St

Indexed C.S.K.

Station		LT = S				℄		RT = N	
1+25		175.9 15.7/33	179.1 12.5/25	179.3 12.3/14	178.8 12.8/15	180.0 11.6	179.4 12.2/14	180.0 11.6/15	180.0 11.6/25
1+00	172.4 19.2/35	175.2 16.4/25	177.4 14.2/21	177.6 14.0/15	177.3 14.3/14	178.7 12.9	178.3 13.3/14	178.9 12.7/15	179.6 12.0/25
0+75 Proposed Curb outlet on left		172.0 19.6/35	175.3 16.3/25	176.6 15.0/22	177.2 14.4/14	178.5 13.1	178.5 13.1/12	179.1 12.5/15	179.7 11.9/25
0+50		175.9 15.7/25	177.2 14.4/22	177.8 13.8/14	177.5 14.1/13	179.2 12.4	179.3 12.3/15	180.1 11.5/14	180.7 10.9/25
0+25 w/y Cushman				177.6 14.0/25	178.8 12.8/19	180.3 11.3	181.2 10.4/15	182.0 9.6/25	
Pueblo Line = 00 = ℄ Cushman				178.2 13.4/25	179.7 11.9/15	181.3 10.3	183.1 8.5/15	183.7 7.9/25	

25+19.52 E.C.
Elev. Rd. 1.59 191.58 189.99 B.M. 2×2 ℄ E.C.

191.58

2+07.5℄ = PC. on RT = NL Solar

1+81.8℄ PC on LT = S.L. Solar

1+50

191.58

LT ℄ RT Solar St.

			187.6	188.0	187.6	188.1	188.8		
			4.0 / 25	3.6	4.0 / 18	3.4 / 19	4.8 / 25		
	185.1	185.3	184.0	185.1	185.3	184.9	185.3		
	6.4 / 25	6.3 / 16	7.6 / 15	6.5	6.3 / 17	6.7 / 16	6.3 / 25		
181.4	181.5	180.8	181.9	181.3	181.8	182.1	181.2		
10.2 / 25	10.1 / 16	10.8 / 15	9.7	10.3 / 14	9.8 / 15	9.5 / 22	10.4 / 25		

191.58

X sec of Brownell St. Indexed C.S.K.

Station	Lt				℄			Rt = N
2+00	198.8 / 9.1 / 25	199.6 / 8.3 / [illegible]	200.1 / 7.8 / 15	199.6 / 8.3 / 14	200.8 / 7.1	200.4 / 7.5 / 15	201.0 / 6.9 / 16	201.1 / 6.8 / 25
+50		201.0 / 6.9 / 25	201.2 / 6.7 / 15	200.7 / 7.2 / 14	201.9 / 6.0	201.6 / 6.3 / 15	202.1 / 5.8 / 16	202.3 / 5.6 / 25
1+00	201.5 / 6.4 / 25	202.2 / 5.7 / 22	202.5 / 5.4 / 14	202.1 / 5.8 / 13	203.1 / 4.8	202.6 / 5.3 / 16	203.1 / 4.8 / 17	203.6 / 4.3 / 25
0+50 = PC		203.1 / 4.8 / 25	203.5 / 4.4 / 15	203.1 / 4.8 / 14	204.3 / 3.6	204.2 / 3.7 / 16	204.8 / 3.1 / 17	205.2 / 2.7 / 25
0+25 = wly Cushman			202.7 / 5.2 / 25		204.7 / 3.2			205.7 / 2.2 / 25
00 = Pueblo Line			203.4 / 4.5 / 25		204.9 / 3.0	205.9 / 2.0 / 25		

28+13.53 EC Elev. Rd N.L. Brownell	6.46	207.94	201.48	B.M. 2x2 ℄ Hub

207.94

Station	Note
2+25.62	PC ON N = RT
2+57.56	PC ON LT = S
2+40	

207.94

Station	LT				℄			RT
2+25.62		8.4/25 (199.5)	8.2/18. (199.7)	8.5/12 (199.4)	7.4 (200.5)	7.7/16 (200.2)	7.2/17 (200.7)	7.2/25 (200.7)
2+57.56		8.6/25 (199.3)	8.2/15 (199.7)	8.8/14 (199.1)	7.6 (200.3)	8.0/16 (199.9)	7.4/17 (200.5)	7.3/25 (200.6)
2+40	9.2/25 (198.7)	8.7/23 (199.2)	8.3/15 (199.6)	8.8/14 (199.1)	7.7 (200.2)	8.1/15 (199.8)	7.5/16 (200.4)	7.3/25 (200.6)

207.94

X sec of Cushman
Solar to Evenview

Indexed
C.S.I.

LT = WI

℄ = Pueblo Line

1	17+50 = P.C.				
1	17+25				
1	T.P.	12.22	210.77	0.32	198.55
2	0+75				
1	0+25				
1	25' N of Solar = P.C. = 0+00				
1	25+19.52 Ef. Elev. Rd.	8.88	198.87		189.99

℄ 2×2 Hub

201.4 | 201.2 | 200.6 | 201.1 | 201.3 | 201.9

9.4 / 25 | 9.6 / 21 | 10.2 / 20 | 9.7 / 12 | 9.5 / 2 | 8.9

198.9 | 198.2 | 198.6 | 199.3 | 199.8

11.9 / 25 | 12.6 / 20 | 12.0 / 12 | 11.4 / 2 | 11.0

210.77 / 2

194.1 | 193.4 | 194.1 | 194.7 | 195.5

4.8 / 25 | 5.5 / 21 | 4.8 / 12 | 4.2 / 2 | 3.4

188.4 | 187.7 | 188.8 | 189.2 | 190.0

10.5 / 25 | 11.2 / 22 | 10.1 / 12 | 9.7 / 2 | 8.9

185.1 | 184.6 | 185.9 | 186.2 | 186.9

13.8 / 25 | 14.3 / 22 | 13.0 / 12 | 12.7 / 2 | 12.0

198.87 / 2

1 1+75 = 51y Everview Rd

1 1+50 P.C.

1 1+00

1 T.P. 6.78 216.97 0.58 210.19

1 0+50

1 25' N of Brownell = P.C. = 0+00

210.77

℄ = Pueblo Line

	211.9	212.0	211.9	210.0
	5.1 / 25	5.0 / 12	6.1 / 4	7.0
211.8	211.7	211.3	211.8	211.9	210.6
5.2 / 25	5.2 / 20	5.7 / 21	5.2 / 12	5.1 / 4	6.4
211.0	210.7	211.1	211.1	210.8
6.0 / 25	6.3 / 20	5.9 / 12	5.9 / 4	6.2

216.97

209.3	209.1	209.4	209.5	209.9
1.5 / 25	1.7 / 20	1.4 / 12	1.3 / 4	0.9
207.0	206.7	207.0	207.1	207.3
3.8 / 25	4.1 / 20	3.8 / 12	3.7 / 4	3.5

210.77

2+25 = N ℄ Everview

2+00 ℄ Everview

21697

2+25	4.9 / 25 — 212.1	5.8 / 12 — 211.2		6.5 / 7 — 210.5	9.6 — 207.4
2+00	4.5 / 25 — 212.5	5.0 / 12 — 212.0	5.0 / 12 — 212.0	5.3 / 5 — 211.7	8.1 — 208.9

21697

Monitor Rd. Indexed C.S.K.

T.P.	12.83	129.29	0.34	116.46	
2+00					
1+79.49	P.O.C. on R.T. B.C. on LT.		Δ 82° 16' 30"		
1+45					
1+19.66	Δ = 54° 51'				
0+59.83	Δ = 27° 25' 30"				

Note 1 ℄ Sta.

0+00 = 10+02.22 Elev. Rd X

10+02.22 ℄ Hub Elev. Rd	12.85	116.80		103.95	B.M.

LT. ℄ RT = Ely

Sta.								
2+00	112.7 / 4.1 / 25	115.3 / 1.5 / 22	115.0 / 1.8 / 11	114.6 / 2.2 / 10	115.0 / 1.8		115.3 / 1.5 / 12	115.4 / 1.4 / 25
1+79.49	106.9 / 9.9 / 25	109.6 / 7.2 / 21	110.4 / 6.4 / 10	110.0 / 6.8 / 9	110.7 / 6.1	112.1 / 4.7 / 5	112.0 / 4.6 / 17	112.6 / 4.2 / 25
1+45		106.9 / 12.9 / 25	105.0 / 11.8 / 14	104.6 / 12.2 / 12	106.0 / 10.8	110.1 / 6.7 / 6	109.7 / 7.1 / 22	110.2 / 6.6 / 25
1+19.66			98.9 / 17.9 / 25	101.3 / 15.5 / 10	106.6 / 10.2	108.3 / 8.5 / 7	108.5 / 8.3 / 21	109.2 / 7.6 / 25
0+59.83			98.0 / 18.8 / 25	99.4 / 17.4 / 14	105.3 / 11.5	107.0 / 9.8 / 6	107.2 / 9.6 / 22	107.8 / 9.0 / 25

see p 9 for sec.

116.80

Note! Xsec of Monitor contd p. 30

1	3+09.57	PRC on Lt.	Δ = 141°54'	R. 125'	X
1	2+85				
1	T.P.	12.85	141.76	0.38	128.91
7	2+66.71	Δ = 122°01'30			
1	2+40				
12	2+22.85	Δ = 102°09'			

129.29

Monitor

134.1	133.5	132.8	132.0	132.1	132.6	132.3
2.7 / 25	3.4 / 15	9.0 / 14	8.6	9.7 / 14	9.2 / 15	9.5 / 24
131.3	130.8	130.3	130.2	129.2	129.7	129.8
10.5 / 25	11.0 / 14	11.5 / 14	11.6	12.6 / 14	12.1 / 15	12.0 / 25

141.76

128.1	127.6	127.2	127.0	126.0	126.5	126.7
1.2 / 25	1.7 / 15	2.1 / 14	2.3	3.3 / 14	2.8 / 15	2.6 / 24
123.2	123.5	122.9	122.9	121.8	122.3	122.4
6.1 / 25	5.8 / 15	6.4 / 14	6.4	7.5 / 14	7.0 / 16	6.9 / 25
117.4	118.5	118.4	118.1	118.3	117.9	118.5	118.3
11.9 / 25	10.8 / 24	10.9 / 15	11.2 / 14	11.0	11.4 / 14	10.8 / 15	11.0 / 25

129.29

Indexed
C.S.K.

Monitor To Ellsworth Xsec.

Curve on Ellsworth
Δ = 43°30'30"
℄ R = 625
℄ L = 474.59

Station	Angle										
1+61.22	7°23'33"	142.6 (4.5/25)	142.4 (4.7/15)	142.0 (5.1/14)	142.1 (5.0)	141.4 (5.7/12)	141.9 (5.2/13)	141.2 (5.9/25)			
1+07.48	4°55'42"	142.9 (4.2/25)	142.6 (4.5/16)	142.2 (4.9/15)	142.0 (5.1)	141.3 (5.8/11)	141.7 (5.4/12)	141.3 (5.8/23)	140.4 (6.7/25)		
0+53.74	PRC on LT def. 2°27'51" RT	143.0 (4.1/25)	142.8 (4.3/20)	142.0 (5.1/19)	141.7 (5.4)	140.8 (6.3/11)	141.3 (5.8/12)	140.7 (6.4/21)	139.5 (7.6/25)		
3+92.70	= Δ 180° = 0+00 for Ellsworth xsec	142.7 (4.4/25)	141.9 (5.2/15)	140.3 (6.8)	138.7 (8.4/12)	139.3 (7.8/13)	139.1 (8.0/25)				

℄ Hub
T.P. 3+92.70 7.12 147.09 7.79 139.97

147.09

Station	Angle							
3+57.13	Δ = 160°57'	138.7 (3.1/25)	138.3 (3.5/15)	137.7 (4.1)	136.8 (5.0/12)	137.1 (4.7/13)	137.1 (4.7/23)	137.4 (4.4/25)

Note! ℄ Sta.

141.76

141.76

T.P.	4.76	145.40	6.45	140.64	
3 +76.18	17° 14' 57"				
3 +22.44	14° 47' 06"				
2 +89	℄ conn. apron 9' wide				
2 +68.70	12° 19' 15"				
2 +14.96	dot. 9° 51' 24" RT				
1 +91	℄ conn apron 9' wide				
		147.09			

ELLSWORTH

141.2	140.9	140.3	140.5	139.5	140.0	139.6
5.9 / 25	6.2 / 14	6.8 / 15	6.6	7.6 / 17	7.1 / 13	7.5 / 29
141.5	141.2	140.9	141.0	140.3	140.7	140.4	139.3
5.4 / 25	5.9 / 15	6.2 / 14	6.1	6.8 / 17	6.4 / 13	6.7 / 20	7.8 / 29
		141.82					
		5.27 / 18.4					
142.1	141.8	141.5	141.6	140.9	141.3	140.8
5.0 / 25	5.3 / 16	5.6 / 15	5.5	6.2 / 17	5.8 / 12	6.3 / 25
142.7	142.6	141.9	141.9	141.1	141.5	141.1
4.4	4.5 / 14	5.2 / 14	5.2	6.0 / 11	5.6 / 13	6.0 / 25
		142.52				
		4.57 / 18.5				

147.09

0.77   144.63   144.26   = T.P. rock P. 14

center of N Curve on Ellsworth + Elev. Rd.
NOT graded back enough

5+61.79 = P.C.C./BC on Elev. Rd = ℄ Sta 15+92.49

5+18.19 = def. 9°59'00"

Δ = 39°58'
R = 125
L = 87.20
T = 45.45

4+74.59   21°45'15 PCC on Rt = SL.

4+29.91   19°42'48"

3+95.7   PRC on LT = N def. 18°06'49"

145.40

Station	LT			℄		Ellsworth RT		
T.P. rock	143.6 / 1.8 / 25	142.9 / 2.5 / 15	142.0 / 3.4 / 10	141.8 / 3.6	141.8 / 4.4 / 2			
5+61.79			see p 11 for sec.					
5+18.19		136.6 / 8.8 / 25	136.6 / 8.8 / 15	136.8 / 8.6	135.7 / 9.7 / 12	136.0 / 9.4 / 14	136.2 / 9.2 / 22	138.0 / 7.4 / 25
4+74.59		140.6 / 4.8 / 25	140.0 / 5.4 / 15	138.9 / 6.5	138.0 / 7.4 / 13	138.5 / 6.9 / 14	138.4 / 7.0 / 25	
4+29.91	141.6 / 3.8 / 25	141.5 / 3.9 / 21	140.8 / 4.6 / 17	139.8 / 5.6	139.2 / 6.2 / 10	139.6 / 5.8 / 11	139.3 / 6.1 / 20	137.5 / 7.9 / 25
3+95.7	141.3 / 4.1 / 25	140.9 / 4.5 / 16	140.3 / 5.1 / 25	140.3 / 5.1	139.2 / 6.2 / 12	139.6 / 5.8 / 13	139.2 / 6.2 / 22	138.0 / 7.4 / 25

145.40

Cont. Xsec of Monitor Rd. from p26

T.P.	12.43	161.47	0.21	148.84	
4+60.37	10°08'54"				
				Δ = 81°11'39" Lt.	
				℄ R = 423.47	
				℄ T = 364.78	
				℄ L = 602.20	
~4+46	℄ conc. apron 7' wide				
4+10.10	6°45'56"				
3+59.84	3°22'58"				
3+09.57 = P.R.C. see p26 for xsec.					
NOTE! ℄ Sta.					
check to spike in Pole Mty. Cor. Monitor Elev. worth F.B. 1129-3			0.99	148.06	148.23 / 0.17 Pole has settled
BM 3+92.70 ℄ Hub P27	9.08	149.05		139.97	

	Lt	℄	Rt
Monitor			10.63 / 440.37 / +0.24
	149.9 / 0.2 / 25	148.3	147.9 / 1.2 / 13 / 0.8
	147.8 / 1.2 / 13	148.2 / 0.9 / 14	148.4 / 0.7 / 27
	146.23 / 2.32 / 19	146.4 / 2.17 / 12	146.9 / 2.2
	146.3 / 2.8 / 14	146.7 / 2.4 / 25	146.5 / 2.6 / 25
	144.1 / 5.0 / 24	143.8 / 5.3 / 14	143.5 / 5.6 / 13 / 4
	143.7 / 5.4 / 15	143.5 / 5.6 / 25	
	137.2 / 9.9 / 24	139.2 / 9.9 / 15	138.7 / 10.4 / 14 / 10.2
	138.9 / 10.3 / 10	137.9 / 11.2 / 25	
			149.05

	T.P.	9.78	182.90	0.47	173.12
1	6+61.43	23°40'46"			
1	6+11.17	20°17'48"			
1	5+89.09	P.O.C. RRC ON RT. = EL. 180°48'45"		for beg. of	Curve on Crown St. See p. 37
7	T.P. on Rock	12.72	173.59	0.60	160.87
1	5+60.90	16°54'50"			
12	5+10.63	13°51'57"			
			161.47		

LT ℄ RT Manitou

174.4	170.9	170.2	170.8	170.3	169.5	
2.4 / 25	2.7 / 15	3.6 / 14	2.8	3.6 / 14	4.1 / 25	
164.7	164.5	164.1	164.6	164.3	164.9	
8.9 / 25	9.1 / 15	9.5 / 14	9.0	9.2 / 21	8.7 / 25	
162.4	162.1	161.6	162.1	162.1	162.9	162.5
11.5 / 25	11.5 / 15	12.0 / 14	11.5	11.5 / 14	10.7 / 15	11.1 / 25

173.59

159.4	159.3	158.7	159.1	159.1	159.5	159.5
2.1 / 25	2.2 / 15	2.8 / 14	2.4	2.4 / 14	2.0 / 14	2.0 / 25
154.4	154.1	153.4	154.10	153.6	153.9	154.3
7.1 / 25	7.4 / 14	8.1 / 13	7.5	7.9 / 14	7.6 / 15	7.2 / 25

161.47

MONITOR

LT — ℄ — RT

Station	Angle								
8+12.23	33°39'40"	178.2 4.7/25	178.3 4.6/14	177.8 5.1/13	178.7 4.2	178.5 4.4/14	179.07 3.83/20 (old walk)	179.2 3.7/25	
7+86		178.7 4.2/25	178.9 4.0/14	178.4 4.5/13	179.3 3.6	179.0 3.9/14	179.21 3.69/19 (old walk)	179.30 3.60/25 (old walk)	
7+61.96	30°26'42"	178.6 4.3/25	178.7 4.0/13	178.6 4.3/12	179.2 3.7	178.9 4.0/15	179.11 3.79/20 (old walk)	179.20 3.70/25 (old walk)	
7+25		177.8 5.1/25	177.9 5.0/14	177.5 5.4/13	178.1 4.8	177.5 5.4/14	178.0 4.9/15	178.9 4.0/25	
7+11.70	27°03'44"	176.3 6.6/25	175.9 7.0/20	176.3 6.6/13	175.9 7.0/12	176.4 6.5	175.8 7.1/14	176.2 6.7/15	176.4 6.5/25
6+81		173.4 9.5/25	173.2 9.7/16	172.6 10.3/15	173.2 9.7	172.4 10.5/14	172.8 10.1/15	172.9 10.0/25	

182.90

182.90

LT ℄ RT Monitor

Station	Description								
10+13.06	St Onstad			6.7 / 25 — 176.2	6.3 — 176.6		6.4 / 25 — 176.5		
9+88.06	P.C. St Onstad			7.8 / 25 — 175.1	7.5 / 15 — 175.4	7.2 — 175.7	7.5 / 16 — 175.4	7.1 / 17 — 175.8	7.0 / 25 — 175.9
9+70	Prop. Curb inlet	10.8 / 25 — 172.1	9.1 / 25 — 173.8	8.2 / 23 — 174.7	8.0 / 15 — 174.9	7.6 — 175.3			
9+50		10.8 / 25 — 172.1	8.3 / 20 — 174.6	7.9 / 12 — 175.0	8.2 / 11 — 174.7	7.7 — 175.2	7.9 / 15 — 175.0	7.5 / 16 — 175.4	7.3 / 25 — 175.6
9+12.76	EC 40°35'45"	10.0 / 25 — 172.9	8.0 / 21 — 174.9	7.5 / 12 — 175.4	7.8 / 11 — 175.1	7.1 — 175.8	7.4 / 15 — 175.5	6.9 / 16 — 176.0	6.6 / 25 — 176.3
8+62.50	37°12'38"	7.2 / 25 — 175.7	6.2 / 22 — 176.7	6.0 / 14 — 176.9	6.4 / 13 — 176.5	5.7 — 177.2	6.1 / 14 — 176.8	5.7 / 15 — 177.2	5.7 / 25 — 177.2

182.90

182.90

					LT			℄		RT		
11+91.70	5°09'30"				188.2 4.4/25	186.9 5.9/23	187.1 5.7/14	186.8 6.0/13	187.6 5.2	187.4 5.4/15	187.7 5.1/14	188.0 4.8/25
11+39.88	2°34'45"					186.2 6.6/25	183.7 9.1/21	183.7 9.1/13	184.3 8.5	184.3 8.5/15	184.8 8.0/14	184.7 8.1/25
T.P.	11.40	192.82	1.48	181.42					192.82			
10+88.06	B.C. RT.				182.6 0.3/25	180.1 2.8/23	180.3 2.6/14	179.9 3.0/13	180.5 2.4	180.4 2.5/15	180.9 2.0/14	181.1 1.8/25
10+63.06	w/x						177.8 5.1/25	178.4 4.5/15	179.1 3.8	179.3 3.6/15	179.2 3.7/25	
10+38.06	℄ Onstad						177.5 5.4/25	177.6 5.3/15	177.8 5.1	178.1 4.8/15	178.5 4.4/25	
		182.90							182.90			

Δ = 20°38' RT
R = 575.62
T = 104.78
L = 207.29

					Lt	℄	Rt	Monitor
					195.2	195.8	195.3	196.1	195.7	196.2	196.3
					5.0 / 25	4.7 / 14	5.2 / 13	4.4	4.8 / 15	4.6 / 16	4.2 / 25
13+75											
					195.0	195.4	195.0	195.7	195.2	195.5	195.7
					5.4 / 23	5.1 / 13	5.4 / 12	4.8	5.2 / 15	5.0 / 14	4.8 / 25
13+50											
					194.2	194.4	194.2	194.7	194.1	194.6	194.6
					6.2 / 23	6.1 / 13	6.2 / 12	5.8	6.4 / 15	5.9 / 16	5.9 / 25
13+25											
					193.2	193.2	192.9	193.5	193.0	193.5	193.4
					7.3 / 23	7.3 / 14	7.6 / 13	7.0	7.5 / 15	7.0 / 16	7.1 / 25
12+95.35 EC	10°19'										
							200.45				
					190.3	190.4	190.1	190.8	190.5	190.9	191.0
					2.4 / 23	2.4 / 13	2.7 / 12	2.0	2.3 / 15	1.9 / 14	1.8 / 25
T.P.	841	200.45	0.78	192.04							
							192.82				
12+43.53	7°44' 15"										
		192.82									

			11.91	192.25	192.36	Spike in Pole SW Cor. Elev. Rd Onstad Bk 1129-4
1						
	check to B.M. ℄ 2×2 Hub		2.67	201.49	201.48 (0.01)	= ℄ Sta 28+13.53 E.C. Hub on Elev. Rd 4 N'ly Brownell St
1	T.P.	4.53	204.16	0.87	199.63	
	3 Nails B.M. in pole SW Cor. Monitor Everview Rd			2.10	198.35	B.M.
12	14+70.32 = P.C. = 50's ℄ Everview Rd.					
1	T. +50					
12	14					
			200.45			

195.6	196.2	195.8	196.5	196.2	196.5	196.8
4.9 / 25	4.3 / 12	4.7 / 12	4.0	4.3 / 15	4.0 / 16	3.7 / 25
195.4	195.9	195.6	196.3	196.0	196.5	196.5
5.1 / 25	4.6 / 13	4.9 / 12	4.2	4.5 / 14	4.0 / 15	4.0 / 25
195.3	195.7	196.3	195.7	196.2	196.5	
5.2 / 25	4.8 / 13	4.2	4.0 / 15	4.3 / 16	4.0 / 25	

200.45

Xsec of Crown St.
Monitor to Elev. Rd.

Indexed
C.S.R.

LT. ℄ Crown St.

Station	Notes								
1+25	4° 12.78'	164.0 / 9.8 / 50	163.5 / 10.3 / 41	163.2 / 10.4 / 40	163.5 / 10.3 / 25	162.9 / 10.9 / 14	163.2 / 10.4 / 13	163.2 / 10.4 / 3	162.5 / 11.3
0+75	2° 31.67' Rt	165.4 / 8.4 / 50	165.0 / 8.8 / 41	164.6 / 9.2 / 40	164.9 / 8.9 / 25	164.3 / 9.5 / 14	164.7 / 9.1 / 14	164.1 / 9.7 / 4	162.6 / 11.~
0+25	0° 50.56' Rt	167.3 / 6.5 / 50	166.9 / 6.9 / 41	166.3 / 7.5 / 40	166.1 / 7.7 / 25	165.4 / 8.4 / 17	165.7 / 8.1 / 14	165.1 / 8.7 / 6	163.6 / 10.~
0+34.73 = 0+00 on Sly Crown St. (P.C.C.)		168.3 / 5.5 / 50	167.9 / 5.9 / 45	167.2 / 6.6 / 42	166.8 / 7.0 / 25	165.6 / 8.2 / 15	165.8 / 8.0 / 13	165.4 / 8.4 / 4	164.2 / 9.6
0+18.36	Δ = 84° 10' 25" SL R = 25 " L = 34.73			168.3 / 5.5 / 50	166.5 / 7.3 / 25	164.4 / 9.4 / 10	164.8 / 9.0 / 9		164.5 / 9.3

5+89.09 on Ely Monitor = 0+00 = P.R.C.

P 31 for this sec.

Note! SL Sta.

12.97	173.84	160.87	on T.P. Rock p 31	173.84 Σ

		check to B.M. C.T. in Apron Sw'ly Cor Crown + Elev Rd p.13	6.60	156.87	156.88 / 0.01	
1		Center Curve on N'ly Cor Crown + Elev				
		3 + 13.86 = E.C. see p.13 for this section → 19 + 44.32 on Elev. Rd.				
1		2 + 89.26 Center Curve on S.L.				
1	L	2 + 64.66 P.C.C. 8°55'18"				
2	12	T.P	2.63	163.47	13.00	160.84
1	T	2 + 25	7°35.00'			
1	L	1+75	5°53.89'			
				173.84		

		0.8 / N.L	1.0 / N curb	156.5 / 7.0 / 24	155.7 / 7.8 / 11	156.6 / 6.9 / 10	156.7 / 6.8
		158.6 / 4.9 / 50	158.6 / 4.9 / 40	158.1 / 5.4 / 25	157.4 / 6.1 / 15	158.0 / 5.5 / 14	158.1 / 5.4 / 6	159.7 / 3.8
				163.47				
		161.0 / 12.8 / 50		160.4 / 13.7 / 25	159.3 / 14.5 / 13	159.7 / 14.1 / 12	160.3 / 13.5
		162.5 / 11.3 / 50	162.0 / 11.8 / 44	162.2 / 11.6 / 25	161.4 / 12.4 / 13	161.8 / 12. / 3	161.6 / 12.2
				173.84				

X sec of Everview Rd. Indexed C.L.K.

	T.P	12.50	96.71	0.35	84.21
1	1+50				
1	1+00.69	E.C.			
2	0+75.51				
12	0+50.34	4 equal parts			
			Δ = 115°23'		
			℄ R = 50		
1	T. 0+25.17		℄ L = 100.69		
	NOTE ! ℄ STA.				
1	7+13.48 Ever. Rd. =		P.R.C. 0+00 see p 7 for sec.		
	BM ℄ Hub 7+69.22 p7	8.20	84.56		76.36

Rt.	℄	Lt.
85.8	83.5	83.1
+1.2	1.1	1.5
25	20	15
82.4	81.6	78.8
2.2	3.0	5.8
25	21	20
73.4	73.6	73.3
11.2	11.0	11.3
25	18	26
		69.8
		14.8
		25
		67.9
		16.7
		25

Rt.	℄	Lt.
82.4	82.7	82.4
2.2	1.9	2.2
25		14
77.1	77.2	77.3
7.5	7.4	7.6
11		15
74.8		75.6
11.8	9.6	9.0
26		15
72.8		74.0
11.8		10.6
		15
74.1		72.9
13.5		11.7
		15

Rt.	℄	Lt.
83.3	83.5	82.9
1.3	1.1	1.7
25	15	14
78.1	78.0	77.3
6.5	6.6	7.3
24	18	15
76.5		75.6
8.1		9.0
25		15
75.0		74.0
9.6		10.6
25		15
74.1		72.9
10.5		11.7
25		15

84.56

	T.P	12.64	121.67	0.32	109.03
1	3+54.77	12°46'36			
1	2+99.09	8°31'04"			
1	T.P	12.81	109.39	0.13	96.58
			Δ = 59°37'30"		
			ER = 375		
			T = 214.88		
2	12		EL = 390.24		
1	T 2+43.28	4°15'32" RT			
1	1+87.53	BC. RT.			
			96.71		

	LT.	℄	RT. EVERVIEW
	107.8	102.2	107.5	108.1
	1.6	1.7	1.9	1.6
	25		17	25
	99.4	99.7	99.5	99.6
	10.0	9.7	9.9	9.8
	25		16	25

109.39

	93.1	93.1	92.4	92.9	92.6	93.2	93.2
	3.6	3.6	4.3	4.8	4.1	3.5	3.5
	25	16	15		25	17	25
91.7	87.3	86.7	86.5	86.7	86.8	87.4	87.4
5.0	9.4	9.8	10.2	10.0	9.9	9.3	9.3
25	21	11	9		15	16	25

96.71

Everview

4+96				
T.P.	12.87	146.35	0.54	133.48
4+66.27	21°17'40"			
4+51				
T.P.	12.52	134.02	0.17	121.50
4+10.52	17°02'08"			
3+85.				

121.67

137.2	136.3	136.3	135.8	135.9	135.7	136.7	136.6	137.2
9.2 / 25	10.1 / 25	10.1 / 15	10.6 / 12	10.5	10.7 / 12	9.7 / 14	9.8 / 20	9.2 / 25
			146.35					
130.7	130.5		130.1	130.3	130.8	129.9	131.4	130.9
3.3 / 25	3.5 / 15		3.9 / 13	3.3	3.2 / 9	4.1 / 11	2.6 / 17	3.1 / 25
127.4	127.9		127.3	127.8	127.4	128.0	127.7	
6.4 / 25	6.1 / 16		6.7 / 15	6.2	6.6 / 13	6.0 / 15	6.4 / 25	
			134.02					
		117.3	118.4	118.3	117.3	118.6	119.3	
		4.4 / 25	3.3	3.4 / 10	4.4 / 12	3.1 / 16	2.4 / 25	
		112.5	113.1	113.1	112.1	113.1	113.4	
		9.2 / 25	8.6	8.6 / 10	9.4 / 15	8.6 / 16	8.3 / 25	

121.67

℄ Everview

Station	Angle	Curve data									
7+27.12	24°21'27"	Δ = 81°11'30" ΣR = 175.47 T = 150.54 ΣL = 248.93	151.4 / 7.6 / 25	151.5 / 7.5 / 15	151.0 / 8.0 / 14	151.4 / 7.6	151.1 / 7.9 / 13	151.3 / 7.7 / 14	150.8 / 8.2 / 25		
6+77.34	16°14'18"		148.0 / 11.0 / 25	147.9 / 11.1 / 15	147.4 / 11.6 / 14	147.9 / 11.1	147.8 / 11.2 / 7	146.9 / 12.1 / 14	146.8 / 11.2 / 15	147.0 / 12.0 / 25	
T.P.	13.06	158.96 0.45 145.90				158.96					
6+27.56	8°07'09" Lt.		146.1 / 0.6 / 25	145.8 / 0.6 / 16	145.2 / 1.2 / 15	145.5 / 0.9	144.8 / 1.4 / 12	145.2 / 1.2 / 13	144.7 / 1.7 / 22	143.1 / 3.3 / 25	
5+77.77 PRC	29°48'45"		143.5 / 2.9 / 25	143.4 / 3.0 / 16	143.0 / 3.4 / 15	143.2 / 3.2	142.9 / 3.5 / 12	143.3 / 3.1 / 14	143.1 / 3.3 / 23	142.6 / 3.8 / 25	
5+22.02	25°33'12"		141.2 / 5.2 / 25	140.0 / 6.4 / 23	139.6 / 6.8 / 14	139.2 / 7.2 / 13	139.2 / 7.2	139.0 / 7.4 / 14	139.8 / 6.6 / 15	139.6 / 6.8 / 22	140.2 / 6.2 / 25

146.35 146.35

9+02.10	P.C.				
T.P.	12.01	183.26	0.22	171.25	
8+50					
8+26.70	E.C. 40°35'40				
T.P.	12.88	171.47	0.37	158.59	
7+76.92	32°28'30"				
		158.96			

LT.				℄		RT. Everview	
172.9 10.4/25	172.2 11.1/22	172.4 10.9/13	172.1 11.2/12	172.9 10.4	172.6 10.7/16	173.3 10.0/17	173.4 9.9/25
				183.26			
168.7 2.8/25	167.1 4.4/22	167.5 4.0/13	167.0 4.5/12	167.5 4.0	167.1 4.4/15	167.6 3.9/17	167.6 3.9/25
	164.1 7.4/25	164.7 6.8/15	164.1 7.4/13	164.4 7.1	163.9 7.6/15	164.5 7.0/25	
				171.47			
157.0 2.0/25	157.1 1.9/15	156.5 2.5/14		157.4 1.6	157.2 1.8/15	157.3 1.7/25	
				158.96			

11+01.20	3°24'20"	
10+51.65	1°43'10"	Δ=20°38' RT R = 825.62 T = 150.29 L = 297.32
10+02.10	P.C.	
9+77.10	N'ly ONSTAD	
9+52.10	℄ ONSTAD	
9+27.10	S'ly ONSTAD ST.	

183.24

LT		℄		RT	
181.4		181.5		181.1	
1.9		1.8		2.2	
179.8		179.8		179.4	
3.4		4.2		3.9	
176.9		177.7		177.2	
6.4		5.6		6.1	
175.5		177.7		178.3	
7.8		5.6		4.0	
175.0		176.8		178.1	
8.3		4.5		4.5	
173.9		175.1		175.8	
9.4		8.2		7.5	

183.26

LT		℄		RT	
181.1		182.1		181.5	
2.2		1.2		1.8	
178.9		180.9		179.7	
4.4		2.4		3.2	
176.7		178.5		178.5	
6.6		4.8		4.4	
175.5		177.7		178.3	
7.8		5.6		4.0	
175.0		176.8		178.1	
8.3		4.5		4.5	
173.7		175.1		175.8	
9.6		8.2		7.5	

LT		℄		RT	
182.0		182.0		182.0	
1.3		1.3		1.3	
180.6		180.9		180.7	
2.7		2.4		2.7	
178.9		178.9		178.9	
4.4		4.4		4.4	
178.5		178.9		178.9	
4.8		4.4		4.4	
178.3		178.9		178.9	
4.0		4.4		4.4	
178.1		178.9		178.9	
4.5		4.4		4.4	
175.8		178.9		178.9	
7.5		4.4		4.4	

Station						LT			℄		RT	Everview
13+49.42						6.4/25 179.1	6.5/17 179.2	6.9/13 178.8	5.9 179.8	6.3/16 179.4	5.9/17 179.8	5.7/25 180.0
13+24.42	PC on ...				8.0/25 177.7	7.1/23 178.6	6.8/17 178.9	7.2/13 178.5	6.3 179.4	7.0/15 178.7	6.6/17 179.1	6.4/25 179.3
12+99.42	E.C. 10°19'				8.8/25 177.4	7.0/22 178.7	6.5/13 179.2	6.9/12 178.8	6.3 179.4	6.9/15 178.8	6.3/17 179.4	6.4/25 179.3
12+49.86	8°35'50"				6.5/25 179.2	5.7/23 180.0	5.4/13 180.3	5.8/12 179.9	4.7 181.0	5.3/15 180.4	4.4/14 181.3	4.6/25 181.1
12+00.31	6°52'40"				3.0/25 182.7	3.5/21 182.2	3.4/13 182.3	3.6/12 182.1	2.8 182.9	3.2/15 182.5	2.6/16 183.1	2.6/25 183.1
11+50.07	5°09'30"				4.5/25 181.2	3.6/23 182.1	3.1/14 182.6	3.5/12 182.2	2.70 183.0	3.3/15 182.4	2.9/16 182.8	3.0/25 182.7
T.P.	2.73	185.65	0.34	182.92					185.65			
set BM. ... in Cem. Porch E side of house on Nly Cor. of Everview Onstad			5.62	177.64								
		183.26										

14+88.69 15° Rt					
			Δ = 90° E R = 75		
T.P.	12.77	197.97	0.45	185.20	
14+49.42 B.C. Rt					
14+24.42 P.C. on W.					
13+99.42 NL Knox					
13+74.42 ℄ Knox					
		185.65			

LT. ℄ RT. Evervie w

Station	LT.				℄	RT.		
14+88.69	187.0 11.0/25	186.5 11.5/23	186.7 11.3/14	186.3 11.7/13	187.0 11.0	186.5 11.5/14	187.2 10.8/17	187.2 10.8/25
					197.97			
14+49.42	183.8 1.9/25	183.2 2.5/22	183.7 2.0/13	183.3 2.4/12	183.9 1.8	183.6 2.1/16	184.4 1.3/17	184.4 1.3/25
14+24.42		181.8 3.9/25	182.2 3.5/15	181.7 4.0/14	182.4 3.3	182.1 3.6/16	182.8 2.9/17	183.0 2.7/25
13+99.42			180.5 5.2/25	180.7 5.0/14	181.3 4.4	180.9 4.8/16	181.6 4.1/25	
13+74.42			179.2 6.5/25	179.6 6.1/13	180.5 5.2	180.1 5.6/15	180.7 5.0/16	180.8 4.9/25
					185.65			

Station		LT			℄		RT. Everview	
17+17.75	Wly Monitor	1.1/25 196.9	1.2/15 196.8	1.4/14 196.4	0.9 197.1	1.6/14 196.7	1.6/25 196.4	
16+92.75		1.4/25 196.6	1.5/15 196.5	1.9/14 196.1	1.4 196.6	2.3/13 195.7	1.8/14 196.2	2.4/25 195.6
+50		2.1/25 195.9	2.3/16 195.7	2.6/15 195.4	2.2 195.8	3.1/14 194.9	2.8/15 195.2	3.1/25 194.9
16		3.4/25 194.6	3.4/16 194.6	3.8/15 194.2	3.7 194.3	5.0/14 193.0	4.4/15 193.6	4.9/25 193.1
15+67.83	E.C. 45° Rt	4.9/25 193.1	5.3/15 192.7	5.7/14 192.3	5.3 192.7	6.5/14 191.5	6.2/15 191.8	6.3/25 191.7
15+27.96	30° Rt	7.7/25 190.3	8.1/15 189.9	8.5/14 189.5	7.9 190.1	8.8/16 189.2	8.2/17 189.8	8.3/25 189.7

1717.75
1567.23
150.52

197.97

197.97

Station						
19						LT 200.3 / 9.0/25 · 200.6 / 8.7/14 · 200.1 / 9.2/15 · 201.0 / 8.3 · 199.9 / 9.4/14 · 200.4 RT. / 8.9/15 · 200.3 Everview / 9.0/25
18+50						199.1 / 10.2/25 · 199.2 / 10.1/14 · 198.9 / 10.4/15 · 199.6 / 9.7 · 198.7 / 10.6/14 · 198.5 / 10.8/15 · 198.9 / 10.4/25
			10.95	198.32	198.35	check to B.M. 3 north pole Sly Everview Monitor
17+92.75	P.C. on S.L.					198.4 / 10.9/25 · 198.2 / 11.1/14 · 197.6 / 11.7/15 · 198.4 / 10.9 · 197.3 / 12.0/14 · 197.8 / 11.5/15 · 197.8 / 11.5/23 · 199.0 / 10.3/25
17+67.75						198.1 / 11.2/25 · 198.1 / 11.2/14 · 197.2 / 12.1/15 · 197.9 / 11.4 · 197.6 / 11.7/14 · 197.0 / 12.3/25
T.P.	11.69	209.27	0.39	197.58		209.27
17+42.75	℄ Monitor					197.6 / 0.4/25 · 197.5 / 0.5/15 · 196.9 / 1.1/15 · 197.5 / 0.5 · 197.3 / 0.7/14 · 197.1 / 0.9/25
		197.97				197.97

20+42.66 PC St				
T.P.	9.28	218.25	0.30	208.97
20+17.66				
19+92.66 ℄ Elev. Rd.				
19+67.66				
19+42.66 PC St				
		209.27		

Everview

LT			℄	RT		
209.2 9.1/25	208.9 9.4/16	208.9 9.4/15	209.3 9.0	208.4 9.9/15	208.7 9.6/14	208.5 9.8/25
			218.25 / 1			
207.9 1.4/25	207.8 1.5/16	207.3 2.0/14	208.3 1.0	207.9 1.4/14	207.3 2.0/25	
206.4 2.9/25	206.4 2.9/17	206.0 3.3/14	207.0 2.3	207.1 2.2/15	207.0 2.3/25	
205.0 4.3/25	205.0 4.3/16	204.6 4.7/15	205.4 3.9	205.3 4.0/15	204.9 4.4/25	
203.1 6.2/25	203.1 6.2/16	202.6 6.7/15	203.4 5.9	202.9 6.4/14	203.3 6.0/15	203.4 5.9/25

209.27

see p 24 for Cushman St

22+69.24 P.C. on. SL Everview

+30

22

+50

21

218.25

Everview

Station	LT			℄	RT			
22+69.24	212.8 (5.5/25)	212.7 (5.6/15)	212.3 (6.0/14)	212.9 (5.4)	212.2 (6.1/15)	212.4 (5.9/16)	212.6 (5.7/25)	
+30	213.5 (4.8/25)	213.2 (5.1/16)	212.9 (5.4/15)	213.7 (4.6)	213.0 (5.3/14)	213.4 (4.9/15)	213.5 (4.8/25)	
22	213.7 (4.6/25)	213.6 (4.7/16)	213.3 (5.0/15)	213.8 (4.5)	213.1 (5.2/13)	213.5 (4.8/14)	213.4 (4.9/23)	214.3 (4.0/25)
+50	212.7 (5.6/25)	212.7 (5.6/16)	212.3 (6.0/15)	212.8 (5.5)	211.9 (6.4/13)	212.3 (6.0/14)	212.3 (6.0/25)	
21	211.1 (7.2/25)	210.9 (7.4/16)	210.6 (7.7/15)	211.0 (7.3)	209.9 (8.4/13)	210.3 (8.0/14)	210.4 (7.9/25)	

218.25

X sec of Onstad St. Indexed C.S.K.

T.P.	0.49	185.35	12.77	184.86
1+00				
0+75				
0+50				
0+25 P.C				
Wly Elev. Rd = 0+00				
25+19.52 EC ℄ Hub Elev. Rd BM. P.15	7.64	197.63		189.99

Sta.	LT = S				℄			RT = N
1+00	189.0 8.6/25	187.6 10.0/23	188.0 9.6/14	187.4 10.2/13	187.6 10.0	187.9 10.2/14	188.0 9.6/15	188.5 9.1/25
0+75	191.6 6.0/25	189.8 7.8/22	190.0 7.6/14	189.6 8.0/13	190.0 7.6	189.8 7.8/14	190.4 7.2/15	190.7 6.9/25
0+50	193.6 4.0/25	192.1 5.5/22	192.0 5.6/14	191.5 6.1/13	192.0 5.6	191.8 5.8/14	192.4 5.2/15	192.6 5.0/25
0+25 P.C	194.4 3.2/25	193.2 4.4/23	193.1 4.5/15	192.5 5.1/14	193.4 4.2	193.1 4.5/14	193.6 4.0/15	194.0 3.6/25
0+00			192.7 4.9/25	193.1 4.5/14	194.1 3.5	194.4 3.2/14	194.7 2.9/25	
BM					197.63			

	LT		℄		RT	
	178.5	178.2	178.6	178.3	178.7	179.0
0+50	6.9 / 15	7.2 / 14	6.8	7.1 / 15	6.7 / 16	6.4 / 25
	177.0	177.3	177.9	177.9	178.3	178.7
0+25 PC.	8.4 / 25	8.1 / 14	7.5	7.5 / 15	7.1 / 16	6.7 / 25
	176.1	176.9	177.6	178.1	178.0	
W/y. Monitor = 00	9.3 / 25	8.5 / 14	7.8	7.3 / 15	7.4 / 25	
	176.8	177.6	178.5	178.9	179.2	
2+00 = E/y Monitor	8.6 / 25	7.8 / 15	6.9	6.5 / 15	6.2 / 25	
	178.9	179.6	179.2	180.0	180.2	180.9
1+75 PC.	4.5 / 25	5.8 / 15	6.2 / 14	5.4	5.7 / 15	4.5 / 25
	181.7	182.2	181.7	182.4	181.7	182.6	183.0
1+50	3.5 / 25	3.7 / 15	3.7 / 14	3.0	3.5 / 14	2.8 / 15	2.4 / 25

185.35
~~218.25~~

185.35
~~218.25~~

			4.39	177.68	177.64	0.04
T.P.	4.46	182.07 ~~214.97~~	7.74	177.61 ~~210.51~~		
2+00 - Ely Everview Rd						
1+75 PC						
1+50						
1+00						
		185.35 ~~218.25~~				

		LT		℄		RT		ONSTAD
BM. B.P. Nly Cor Everview + Onstad								cent. Porch of House
2+00		175.9; 9.5/25	177.0; 8.4/14	178.1; 7.3	178.5; 6.9/16	178.4; 7.0/25		
1+75 PC	177.6; 7.8/25	178.4; 7.0/14	178.0; 7.4/13	178.9; 6.5	178.6; 6.8/16	179.1; 6.3/17	179.1; 6.3/25	
1+50	178.9; 6.5/25	179.1; 6.3/14	178.6; 6.8/14	179.5; 5.9	178.9; 6.5/15	179.4; 6.0/16	179.8; 5.6/25	
1+00	178.8; 6.6/25	179.4; 6.0/15	178.9; 6.5/14	179.5; 5.9	178.9; 6.5/15	179.5; 5.9/16	179.7; 5.7/23	181.6; 3.8/25

185.35 ~~218.25~~

Xsec of KNOX ST.   Indexed C.S.K.   LT =   ℄   RT =

Station									
1+11.93			17.4 / 25 — 169.2		15.1 — 171.5		13.9 / 25 — 172.7		
0+68.46	13.4 / 25 — 173.2	12.2 / 21 — 174.4	11.4 / 15 — 175.2	11.8 / 14 — 174.8	10.4 — 176.2	10.1 / 12 — 176.5	9.2 / 13 — 177.4	8.2 / 22 — 178.4	7.2 / 25 — 179.4
0+25 P.C.		9.1 / 25 — 177.5	8.7 / 14 — 177.9	9.3 / 13 — 177.3	8.2 — 178.4	8.1 / 13 — 178.5	7.5 / 15 — 179.1	7.2 / 25 — 179.4	
W/L Everview = 0+00			7.6 / 25 — 179.0	8.0 / 15 — 178.6	7.6 — 179.0	7.4 / 12 — 179.2	6.5 / 16 — 180.1	6.1 / 25 — 180.5	

1.42   186.62   185.20   T.P. P.46   186.62

Xsec of Dorcas St

Indexed C.S.K.

1+50					
T.P.	12.66	59.18	0.80	46.52	
1+00					
0+71					
0+46					
0+00 = Sly of Overlook HTS					
T.P.	0.80	47.32	13.02	46.52	
	0.32	59.54		59.22	T.P. Rock see p6

LT = W ℄ RT = E

	47.5	48.3	48.3	48.4	48.9
	11.7 / 25	10.9 / 15	10.9	10.8 / 15	10.3 / 25
			59.18		
	43.0	43.5	44.1	44.1	44.5
	2.6 / 25	3.8 / 15	3.0	3.2 / 15	2.8 / 25
	40.9	41.0	41.4	41.8	42.3
	6.4 / 25	6.3 / 15	5.9	5.4 / 15	5.0 / 25
38.8	38.9	38.4	39.2	39.4	39.6
8.5 / 25	8.7 / 18	8.9 / 17	8.1	7.9 / 15	7.7 / 25
	34.5	35.4	35.5	35.6	35.5
	12.8 / 25	11.9 / 15	12.8	11.7 / 15	11.8 / 25
			47.32		

Dorcas

T.P.	12.68	108.84	0.14	96.16
4+91.38 = P.C. on E = 1+87.50 · Eyerview				
4+04.54 = P.C. on E = 1+00.69 Eyerview ·				see p 29 for sections
T.P.	12.97	96.30	0.25	83.38
T.P.	12.40	83.63	0.06	71.23
3+50				
3+00				
T.P.	12.38	71.29	0.27	58.91
2+50				
2+00				

LT		E		RT	
76.1					
+11.8					
25					
64.1					
2					
25					
	76.1				
	+4.8				
	22				
	67.7				
	2.6				
	11				
		70.1			
		2.2			
		18			
		64.7			
		2.6			
		18			
			69.8		
			1.4		
			11		
			63.5		
			7.8		
			11		
				70.9	
				0.9	
				63.7	
				7.6	
				70.8	
				0.4	
				15	
				63.6	
				7.7	
				15	
					71.0
					0.6
					25
					63.3
					8.0
					25

71.29

60.4					
+1.4					
25					
54.2					
5.0					
25					
	58.5				
	0.7				
	20				
	53.5				
	4.7				
	23				
		57.7			
		1.9			
		10			
		53.5			
		5.7			
		15			
			57.7		
			1.5		
			52.7		
			6.5		
				57.3	
				1.9	
				15	
				52.6	
				6.6	
				24	
					58.3
					0.9
					24
					52.0
					7.2
					24

59.18

Dorcas

Sta.				
T.P.	12.63	133.93	0.12	121.30
7+67.95 = B.C. on E. Line of Curve Δ = 139°33' P.R. = 25.01				
7+50				
7+40				
7+00				
T.P.	12.88	121.42	0.30	108.54
6+50				
6+00				
5+50				
		108.84		

LT. ℄ RT.

Sta.	LT.			℄			RT.
7+67.95	116.2 — 5.2/35 · 116.8 — 4.6/25	119.3 — 2.1/6	120.2 — 1.2/6	120.1 — 1.3	120.1 — 1.3/18	120.7 — 0.7/20	120.7 — 0.7/25
7+50				117.8 — 3.6	118.7 — 2.7/15	119.6 — 1.8/25	
7+40		114.1 — 7.3/25	115.2 — 6.2/15	116.4 — 5.0	117.2 — 4.2/20	118.3 — 3.1/25	119.8 — 1.6/35
7+00		110.1 — 11.3/25	110.1 — 11.3/15	111.4 — 10.0	112.3 — 9.7/15	113.0 — 8.4/25	
T.P.				121.42			
6+50		103.9 — 4.9/25	103.4 — 5.4/17	104.8 — 4.0	105.9 — 2.9/15	106.3 — 2.5/25	
6+00			97.6 — 11.2/25	98.7 — 10.1	99.8 — 9.0/25		
5+50	91.2 — 17.6/25	93.1 — 15.7/11	92.5 — 16.3/10	92.9 — 15.9	93.4 — 15.4/15	94.0 — 14.8/25	
				108.84			

Dorcas

10+72.48	22°47'10"			
10+42.66	11°23'35" LT.		Δ = 68°21'30" ℄ R = 75 T = 50.93 ℄ L = 89.48	
10+12.83	B.C. RT			
T.P.	12.76	159.22	0.35	146.46
9+50				
9+00				
T.P.	13.03	146.81	0.15	133.78
8+50				
8+00				
		133.93		

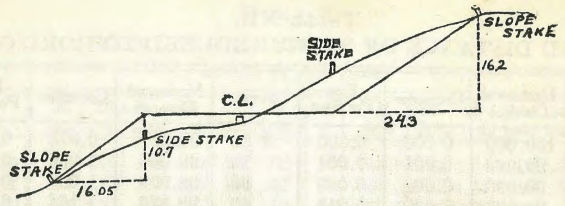
Station	LT				℄	RT		
10+72.48	0.2 / 35, 159.0	0.8 / 25, 158.4	1.1 / 15, 158.1		1./?, 157.9	2.2 / 16, 157.0	2.2 / 25, 157.0	
10+42.66	9.2 / 35, 150.0	8.9 / 25, 150.3	8.3 / 14, 150.9	4.2 / 8, 155.0	4.3, 154.9	5.0 / 17, 154.2	4.4 / 18, 154.8	4.1 / 25, 155.1
10+12.83	18.4 / 35, 140.8	15.3 / 25, 143.9	11.2 / 7, 148.0		8.1, 151.1	8.1 / 18, 151.1	7.4 / 19, 151.8	7.0 / 25, 152.2
T.P.					159.22			
9+50	12.4 / 35, 134.4	10.5 / 25, 136.3	7.4 / 6, 139.4		4.2, 142.?	3.9 / 17, 142.9	3.5 / 18, 143.3	3.3 / 25, 143.5
9+00	19.0 / 30, 127.8	18.5 / 25, 128.3	14.8 / 9, 130.0		11.4, 135.4	10.8 / 17, 136.0	10.4 / 18, 136.4	10.2 / 25, 136.6
T.P.					146.81			
8+50	10.5 / 35, 123.4	9.9 / 25, 124.0	8.8 / 10, 125.1	7.6 / 5, 126.3	4.9, 129.0	4.3 / 17, 129.6	3.9 / 19, 130.0	4.0 / 25, 129.9
8+00	14.9 / 35, 119.0	14.0 / 25, 119.9	12.5 / 13, 121.4	11.4 / 4, 122.7	10.2 / 2, 123.7	10.2, 123.7	10.1 / 16, 123.8	9.6 / 17, 124.3
					133.93			

8+00 (cont.) RT: 9.3 / 25, 124.6

Dorcas

						LT.	℄	RT.
Check to BM BF.	See p 45		3.36	177.66	177.64			
12+54.82	Wly Evergreen Rd.					5.5/25 (175.5), 5.7/15 (175.3)	6.0 (175.0)	7.1/14 (173.9), 7.2/25 (173.8)
12+29.82	P.C.					7.2/25 (173.8), 7.4/15 (173.6), 8.2/14 (172.8)	8.1 (172.9)	9.1/15 (171.9), 8.7/16 (172.3), 9.2/25 (171.8)
T.P.	9.63	181.02	0.22	171.39			181.02	
12+00						0.9/25 (170.7), 1.2/15 (170.4), 1.9/14 (169.7)	1.5 (170.1)	2.7/17 (168.9), 2.2/17 (169.4), 2.4/25 (169.2)
11+50						6.1/25 (165.5), 6.1/15 (165.5), 6.6/14 (165.0)	6.5 (165.1)	7.9/14 (163.7), 7.3/15 (164.3), 7.4/25 (164.2), 6.4/25 (165.2)
11+02.31	EC. 34°10'45"					10.2/25 (161.4), 10.2/15 (161.4), 10.9/14 (160.7)	11.0 (160.6)	12.4/14 (159.2), 12.0/15 (159.6), 12.2/24 (159.4), 11.2/25 (160.4)
T.P.	12.65	171.61	0.26	158.96			171.61	
		159.22						

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.

1540

15-D

14 + 63.44

13,44
636
708