Dr. 6 - Bk. 95

OFFICE OF COUNTY ENGINEER
RAMSEY CO. MINN.

Plan Survey

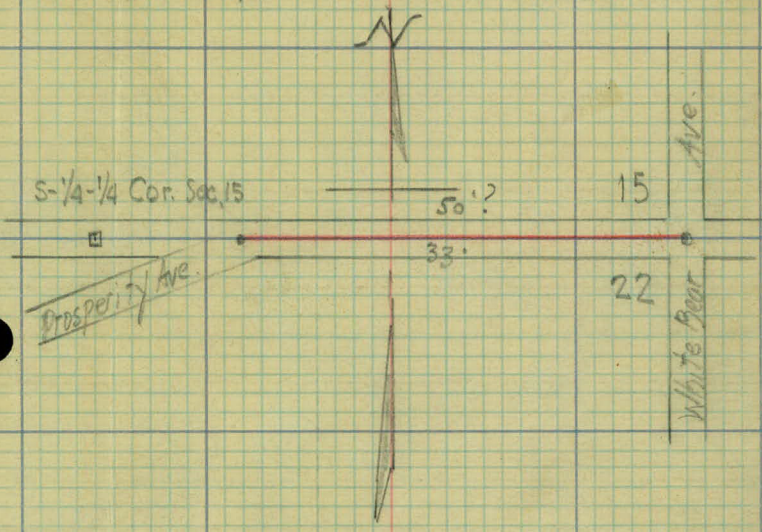
LARPENTEUR AVE

From Prosperity A. To W. B. Ave.

Road Acc't. No. 14

Date Filed Jan 1937 File B.95 D.6

Plan Survey
Carpenter Ave.
Prospect to White Bear Ave.



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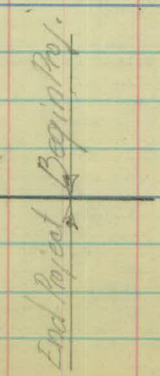
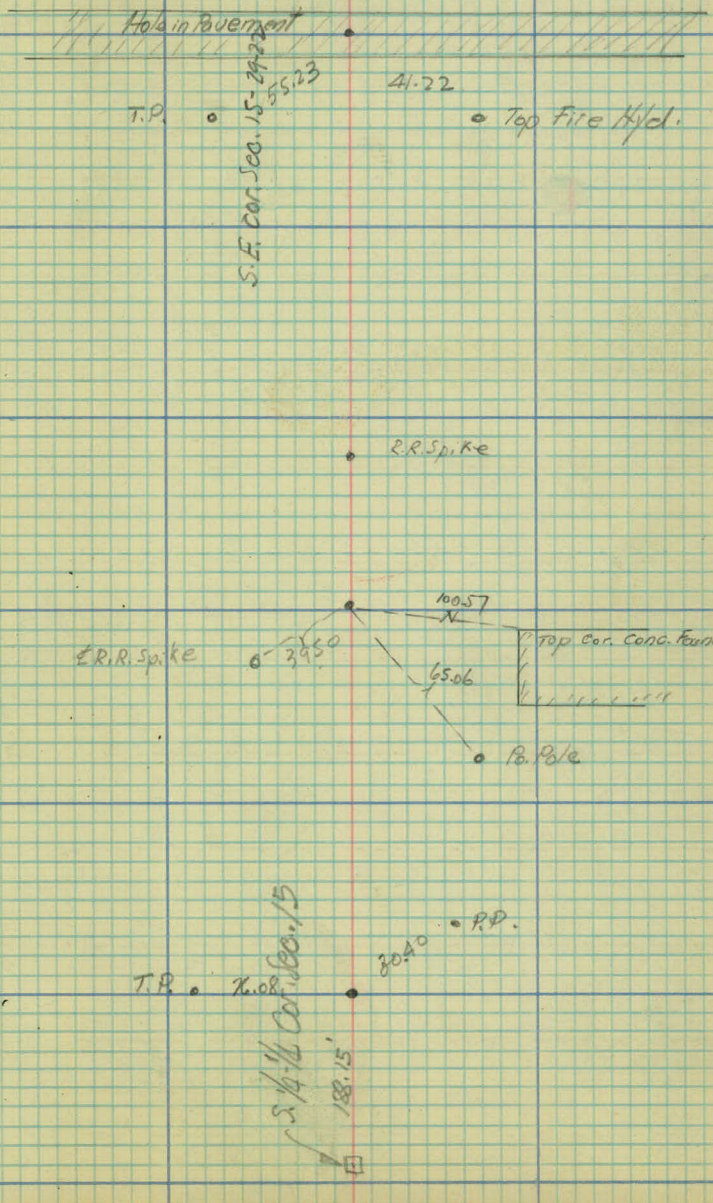
W. H. Carlson
May 12, 1936

Alignment.

Sta.	Point
52+98.47	P.I. Hole in Pave. & White Bear Ave.
46+42.88	P.O.T.
45+94.25	P.O.T.
41+63.4	P.O.T. Int. of Prospect



W. H. Carlson
H. A. Wilke
K. Parker
L. B. Hendrix
May 12, 1936



Topography.

+30- ℄ St. North. (Summit)

Grub 16 stakes. Grub 10 stakes.

46

45

44

43

42

41+63.4 Int. of Prosperity.

Note: Continued from Survey of Aug. 1935

Tarvia 7'

+72-T.P. 27'

Tarvia 7'

+41-T.P. 26.5
+32-6" Oak 26'
+26-5" Oak 26'
+25-12" Oak 24'
Tarvia 6.5'

+40-12" Stp 20'
+36-10" Stp 22'

+80-8" Oak-24'

+54-6" Oak-25'

+08-T.P. 28'
+04-6" Oak-28'
Tarvia 6'

+95-16" Stp. 17

+42-14" Stp. 18'
+32-6" Oak 33'

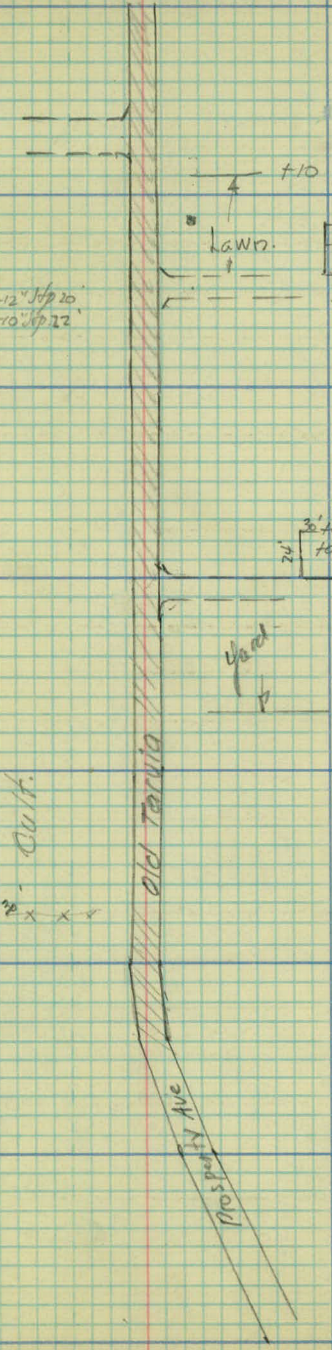
Tarvia 6.5

+86-T.P. 27.5'

+38-6" Oak-26'
+24 North Fence Line 30' x x x

Tarvia 8'

+63-T.P. 26.5
+63-Tarvia 5.0



Tarvia 7'

+66-P.P. 20.5

Tarvia-8'

28'
26'
+87-Water Shut
26.0
+58-N.W. Cor. 1-S.F.
99'

+49-Ent.
+32-P.P. 22'

Tarvia-9'

+33+1" Cedar 27.5
+24-Ash 31' (1")
+25-N.E. Cor. 1-S-F. 88.5
30' +08-P.P. 22
24' +05-Small Pine 23
Tarvia 9'

+95-2 Ent.
+85-Center small Magasp
24'

+32-Beg. Yard

Tarvia-9'

+78-P.P. 23.5

+25 Ir. Stk. 19'

Tarvia-8'

+84-P.P. 23'

+63 Tarvia 12.0

Tarvia 17-34

53

198.07 = E. White Bear Ave.

52

51

50

49

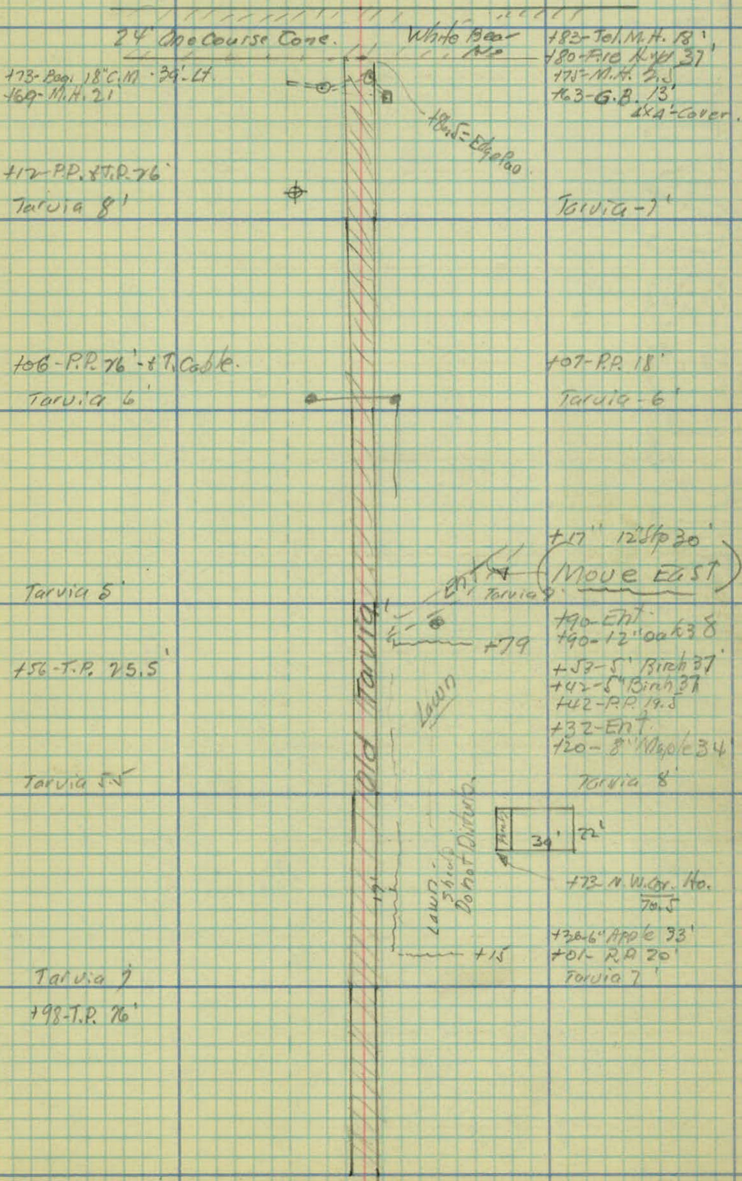
48

47

72 STUMPS

Grub 1 stump.

Grub 1 stump.
Grub 10 stumps.
Grub 10 stumps.
Grub 10 stumps.



24' One Course Conc.
White Bear Ave
+73- Beg. 18" C.M. 39' Lt.
+69- M.H. 21'
+85- Edge Pav.
+83- Tel. M.H. 18'
+80- Fire Hyd. 37'
+75- M.H. 2.5
+63- G.B. 13'
4x4' Cover
+12- P.P. & T.P. 76'
Tarvia 8'
Tarvia - 7'
+06- P.P. 76' - & T. Cable
Tarvia 6'
+07- P.P. 18'
Tarvia - 6'
+17" 12" Slp 30'
Move East
Ent
Tarvia 9'
Tarvia 5'
+90- Ent
+90- 12" Oak 38
+79
+56- T.P. 25.5'
+53- 5' Birch 37'
+42- 5" Birch 37
+42- P.P. 19.5
+32- Ent
+20- 8" Maple 34'
Lawn
Old Tarvia
Tarvia 5.5'
Tarvia 8'
Do not Disturb.
Lawn
34'
22'
19'
+73 N.W. Cor. Ho.
70.5
+36- 6" Apple 33'
+01- R.A. 20'
Tarvia 7'
+15
Tarvia 7
+98- T.P. 76'

Cross-Sections.

Sta.	+	H	−	Elev.	
	8.68	952.50			943.82
41+63.4				941.0	
42+0				942.0	
+50				943.5	
T.P.	13.44	958.36	7.58		944.92
43				45.0	
+25				45.6	
+36				45.9	
+65				46.9	
44				47.9	
+50				49.3	
45				50.4	
+50				51.4	
T.P.	8.61	960.50	6.47		951.89
46				51.9	

Slow start

H.A.W.
L.B.H. May 14, 1936

11.7	8.5	6.7	11.2	11.7	11.5	12.7	10.6	10.8	
50	40	25	20	9		17	20	34	
5.2	5.5	6.0	9.8	10.8	10.5	11.2	7.8	7.3	6.8
50	33	25	19	11		14	20	37	50
5.0	3.5	7.5	8.4	9.4	9.0	9.5	7.8	(11.1)	11.5
50	37	28	21	15		15	23	34	50
7.5	1.0	1.0	4.7	12.9	14.0	13.4	13.8	11.9	5.5	2.0	3.3
50	41	34.5	33	21	12		N	25	33	35	50
0.9	0.0	0.1	2.4	13.3		12.8	12.8		10.7	5.0	2.0	2.8
50	41	34	33	14			11		24	32	33	50
1.0	0.0	9.8	12.6	13.3	12.5		12.4	8.1	8.0	8.1
50	34	19	15	12			12	20	35	50

Pl. Ent. Cu/v. 44495

11.0	(11.0)	1.0	12.5	11.5		11.6	8.4	7.9	8.4
50		34	32	12			12	19	35	50
0.7	3.9	10.5	11.3	10.5	10.5		10.7	8.8	8.4	8.7
50	27	15	11				14	18	38	50
3.9	4.2	4.9	9.7	9.1			9.5	8.6		8.8
50	36	21	12				13	16		50
4.6	4.6	5.5	7.8	8.4	8.0	8.3	8.3			9.1
50	31	18	14	10		10	24			50

45749 - Pl. Cu/v. Ent.

1.5		2.3	4.3	7.3	7.0		7.4	6.8	6.8
50		33	17	13			13	20	50
10.8	3.0	1.5	7.6	8.5	8.6		9.0	7.9	7.7	8.1
50	33	24	17	11			13	15	32	50

Sta.	+	Δ	−	Elev.	
		960 50			
46+17				51.9	
46+39				52.1	
+50				52.0	
47				51.7	
48				49.6	
49				47.7	
T.R	2.16	953.35	9.31		951.19
50				46.2	
51				43.9	
+401				42.9	
+52				42.6	
52+0				41.4	
T.P.	1.24	943.57	12.02		941.33
+40				40.5	
+86.5	W. edge Conc. Arch		1.70	39.37	939.37 (934)
B.M.			3.60		941.97

LH. 4 RH. 9

8.9 / 50 — 7.2 / 14 — 8.3 / 12 — 8.6 — 9.0 / 13 — 6.5 / 20 — 7.0 / 30 — 7.3 / 50

Street (Make Summit) To Culv.

4.7 / 63 — 8.0 / 18 — 8.4 — 9.0 / 13 — 6.5 / 20 — 6.0 / 36 — 6.6 / 50

+0.5 / 50 — 0.5 / 3.4 — 1.6 / 26 — 7.7 / 20 — 8.6 / 11 — 8.5 — 9.1 / 13 — 6.2 / 21 — 6.1 / 30 — 6.4 / 50

1.8 / 50 — 2.1 / 35 — 2.5 / 22 — 9.2 / 14 — 8.8 — 9.2 / 14 — 5.3 / 21 — 5.4 / 32 — 6.5 / 50

6.3 / 50 — 7.0 / 32 — 8.4 / 19 — 11.3 / 15 — 10.9 — 11.1 / 14 — 9.2 / 18 — 8.5 / 32 — 7.1 / 50

(Save) Yard

9.1 / 50 — 9.5 / 29 — 10.8 / 17 — 13.1 / 14 — 12.8 — 13.1 / 14 — 12.2 / 18 — 12.2 / 50

49+32 - Pl. Culv. Ent.

2.9 / 50 — 3.0 / 3.0 — 3.7 / 18 — 7.6 / 13 — 7.2 — 7.6 / 11 — 5.5 / 18 — 5.4 / 83 — 6.6 / 50

50+90 - Pl. Culv. Ent

3.8 / 50 — 4.0 / 28 — 9.4 / 18 — 9.9 / 11 — 9.5 — 9.9 / 16 — 5.4 / 21 — 5.6 / 38 — 6.0 / 50

5.5 / 50 — 5.7 / 23 — 10.2 / 17 — 11.0 / 12 — 10.5 — 10.5 / 15 — 6.2 / 24 — 6.2 / 50

6.1 / 50 — 6.0 / 32 — 6.3 / 21 — 10.9 / 14 — 10.8 — 11.2 / 18 — 11.2 / 50

9.1 / 50 — 9.0 / 27 — 9.3 / 21 — 12.2 / 16 — 12.0 — 12.4 / 18 — 12.2 / 50

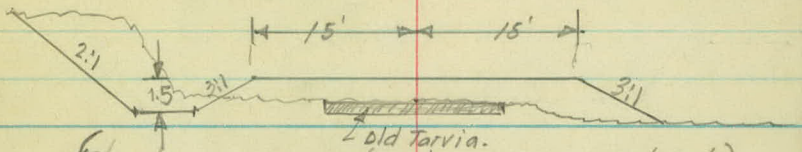
4.4 / 50 — 11.9 / 24 — 5.1 — 5.2 / 24 — 5.7 / 50

5.00 / 50 — 6.20 — 6.93 / 50

Top Fire Hyd. S. W. Cor.

Recommendations.

Scarify old Tarvia Road and salvage crushed Rock. Raise grade about (1.0) one foot Then: (Sta. 41+63.4 to 52+86.5)



(The above recommendation due to excess material)

Place 15"X20' C.M. Culv. Ent Rt. Sta. 44+95

" 15"X20' C.M. " " " " 45+49

" 15"X20' C.M. " " " " 49+32

" 15"X20' C.M. " " " " 50+90

Sta. 46+30 St. North make summit in Grade Line, No Culv. Required.

W. N. Carlson May 12, 1926

Slope Stakes.

Carpenteur Ave.

White Bear Ave to

Sta.	+	H	−	Elev.	Grade
B.M.	3.30	945.27		941.97	
27+43.0	℄ White Bear				
+53				939.41	
+68					
28				40.5	
+50				40.7	
29+0					
+50					
30+0					
T.P.	12.14	957.13	0.28	944.99	
+50					
31+0					
+50					

Top Fire Hyd. S.W. cor. White Barn.

5.72

5.86

G. Pad	11.8	5.2	5.4	6.4	6.2						
	50	23		27	50						
					×						
4.8	5.0	5.7	5.0	4.8	5.1	5.7	6.5	8.3			
		35	12		9	16	32	50			
								×			
4.6	4.8	7.3	7.1	5.0	4.6	5.0	5.6	8.4	9.2	8.8	
	260	-25	19	13		8	11	16	76	-40	32
										×	
4.3	4.5	6.6	6.2	4.8	4.3	4.6	5.3	8.9	9.4	9.5	
	244	-2.1	15	12		8	11	16	23	-50	36?
			16'			16'					
3.3	3.5	4.8	4.2	3.6	3.3	3.5	4.0	7.2	7.9	8.6	
	212	-1.3	16	11		9	12	18	27	-5.1	36.4
			15'			16'					
1.4	1.6	2.7	2.7	2.5	1.8	1.6	1.4	1.7	2.1	3.7	4.1	4.8	
	248	10.4	-1.1	15	13	10		9	12	17	23	-32	28.8
10.9	11.1	11.5	12.1	12.5	12.4	11.5	11.3	10.9	11.2	11.5	13.3	14.1	
	446	10.1	19	18	15	13	11		9	12	17	-30	28.0
8.5	8.7	8.9	8.9	9.6	9.6	9.6	8.9	8.5	8.7	9.0	10.2	10.9	
	346	10.3	24	21	15	15	11		9	13	16	-2.2	24.8
6.1	6.3	7.2	7.2	6.8	6.5	6.1	6.5	6.7	7.6	7.8			
	257	10.6	15	13	11		9.5	13	15	-1.5	22.0		

Sta.	+	H	−	Elev.
		957.13		
32+0				
T.P.	12.81	968.97	0.97	956.16
+50				
33				
+50				
	8.79	975.82	1.94	967.03
34				
+12				
+50				
35				
+30				
+50				
36				
+50				
T.R.	6.78	980.75	1.35	974.47

4.0 | 39.0 | 3.0 3.0 3.0 4.2 4.2 3.8 | 4.1 4.2 4.9 5.1 | 24.8
11.0 16 21 17 11 9.5 12 14 10.0

13.0 | 32.0 | 10.5 10.0 9.7 10.9 13.4 13.1 11.8 | 13.0 13.2 14.0 14.0 13.1 13.1 9.7 9.1 9.9 | 13.1
+2.4 25 22 21 15 11 10 12 17 16 17 20 24 28 +2.1

10.2 | 31.8 | 7.8 7.8 7.2 8.8 10.7 10.3 10.0 | 10.5 10.7 13.0 8.6 5.7 5.3 5.6 | 26.0
+2.4 24 21 21 18 11 10.5 12 16 22 28 35 44.5

7.6 | 32.6 | 4.8 4.8 4.4 6.5 8.0 7.8 7.4 | 7.8 7.9 8.5 8.5 7.6 7.6 4.5 4.1 3.8 3.9 | 8.4
+2.4 23 20 19 17 11 10 12 14 16 17 22 27 31 34 +4.7

Nailing R.R.H.

11.9 | +5.1 | 8.8 8.8 12.3 12.0 11.7 | 12.0 12.2 13.0 11.7 11.0 9.6 7.2 7.7 | 4.2
33.2 22 16 11 10 12 15 17 24 27 33 35.4

11.3 | +4.1 | 7.2 7.7 11.6 11.4 11.1 | 11.4 11.6 12.2 11.1 11.2 7.4 7.5 | 34.6
35.2 22 17 11 10 12 15 16 24 32 38

9.4 | 33.4 | 6.2 9.6 10.4 7.8 9.5 9.2 | 8.5 9.8 10.8 9.4 9.3 | 10.1
+2.2 21 15 12 9.5 10 13 16 17 27.2

7.3 | 31.2 | 5.2 5.6 8.6 7.4 7.1 | 7.6 8.5 7.7 7.5 | 26.6
+2.1 19 14 10 12.5 15 18 11.3

6.2 | 4.7 4.4 4.9 7.7 6.6 6.2 6.0 | 6.4 6.5 7.0 6.5 | 26.4
3.3 7.9 18 14 11 9 11 13 15 11.2

5.6 | 20.2 | 4.0 4.8 6.6 5.7 5.4 | 5.7 5.9 5.9 6.6 6.3 | 25.6
+1.6 18 15 9.5 11 13 19 25 10.8

Rt Spec Ditch

4.0 | 30.2 | 2.4 2.5 5.4 4.3 4.1 3.8 | 4.2 4.3 5.1 | 24.8
+1.6 18 16 11 9.0 11 13 10.4

Ditch

2.6 | 31.2 | 1.5 1.2 3.6 3.6 3.0 2.7 2.4 | 2.9 3.9 2.4 2.6 1.4 1.3 | 26.6
+1.1 19 16 14 11 8.5 11 14 18 24 28 +1.3

Sta.	+	H	−	Elev.		
		980.75				
37+0						
+30						
+60						
38						
+50						
39						
+20						
T.R.	11.40	991.17	0.98	979.77		
+75						
40						
+30						
+62.4	8.14	991.35	7.96		983.21	Top Mon.
+75						

Lt. ℄ Rt. 4

7.4 9
8.9
9.4 Ditch 7.8 ℄

13 6.8 34.4 | 5.8/10.7 6.0/19 8.2/17 8.2/15 6.9/12 6.7/9 6.3 6.6/11 6.8/20 7.6/23 7.5/10.5 / 25.0

9.2 5.9 6.1/10.3.1 6.0/18 7.6/16 7.6/15 6.4/12 6.2/9 5.7 6.0/11 6.1/13 6.6/19 8.0/23

9.0 5.4 32.4 | 6.9/10.2.1 6.7/20 8.2/18 8.2/16 6.1/12 5.6/8.5 5.2 5.4/11 5.6/13 6.4/16 5.4/25 5.1/10.3 / 27.6

-3.3 4.1

Dit 8.9 4.8 30.2 | 8.2/10.6 7.9/23 8.5/-3.7 7.9/17 5.3/12 5.0/9.5 4.6 4.9/10 5.0/10.13 / 26.6

3.8 -3.6/-30.4 21.8 7.2/-3.4 7.0/18 4.5/14 4.0/10.5 3.6 3.9/10 4.6/19 5.3/10.0 / 24

2.6 26.0 | 5.1/25 -2.5 | 5.1/20.0 3.2/13 2.7/9.5 2.4 2.6/9.5 2.8/13 5.5/22 5.0/-24 / 19.8 -2.5/26.0

1.8 24 | 3.3/10.0 3.3/18 2.2/14 1.9/10 1.6 1.8/10 2.7/16 4.9/19 5.2/-3.4 / 21.8 5.2/-3.4 / 29.6

10.9 31.1 | 8.4/12.0 8.9/20 11.7/16 11.2/14 11.0/10 10.7 11.0/10.5 11.8/17 / -1.0 -3.0/28.0

10.2 33.0 | 7.2/13.0 7.6/25 8.3/20 10.7/17 10.3/10 10.0 10.4/10.5 10.7/23 11.0/10.7 / 25.4

9.2 31.4 | 7.0/12.2 6.8/27 7.0/22 10.3/16 9.5/13 9.4/10.5 9.0 9.5/10 9.6/12 10.0/14 9.0/16 9.0/20 7.2/22 6.9/12.3 / 31.6

8.2 36.0 4.3/14.0 4.7/20 8.5/15 8.2/10 8.0 8.3/10 9.0/15 5.0/23 4.8/13.4 / 33.8

8.0 33.6 | 4.7/13.3 4.9/19 8.3/15 8.1/10 7.8 8.2/11 8.7/16 4.0/23 4.6/13.4 / 33.8

Sta.	+	π	−	Elev.
		991.35		
41+00				
+50				
42				
+50				
43				
+50				
	8.68	996.19	5.84	987.51
44				
+50				
45				
+30				
+55				
46				

7.3 | 324 | 4.6 4.5 5.0 7.5 7.4 | 7.1 | 7.5 7.6 6.8 4.4 4.9 | 31.8
27 24 19 16 10 | 10 14 19 23 +2.4

6.3 | 278 | 5.9 5.5 5.8 7.5 7.5 6.6 6.4 | 6.1 | 6.5 6.7 6.5 | 26.6
+0.4 24 18 16 15 12 10 | 9 21 D 1.3

5.7 | 240 | 7.2 5.20 7.2 7.3 6.0 5.9 | 5.5 | 5.8 6.0 6.5 8.2 8.3 | 36.4
+0.0 +1.2 21 13 9.5 | 10.5 12 18 23 -2.6

5.3 | 250 | 6.3 6.8 | 6.5 6.3 5.5 5.4 | 5.1 | 5.4 6.0 8.3 8.3 | 28.0
+0.5 -1.2 15 12 9.5 | 10.5 20 25 -3.0

4.7 | 270 | 4.7 4.4 5.4 4.8 4.8 | 4.5 | 4.8 5.7 -1.0 | 6.8
+0.0 17 16 12 9.5 | 10.5 20 25

5.7 4.2 | 327 | 1.6 1.5 1.9 4.6 4.4 | 4.0 | 4.2 4.7 4.7 5.3 | 24.8
+2.6 22 19 15 11 | 10.5 14 18 20.4

10.1 8.4 | 362 | 4.0 4.7 8.9 8.7 | 8.4 | 8.8 9.3 8.3 9.1 | 26.0
+4.6 21 15 9.5 | 10.5 15 18 +1.0

8.4 | 370 | 3.4 3.5 4.3 8.5 8.4 | 8.2 | 8.6 9.0 8.1 7.7 2.8 | 28.0
+5.0 3.1 21 16 9.5 | 10.5 16 17 24 +0.5

8.6 | 356 | 4.3 4.4 4.8 9.0 8.6 | 8.4 | 8.8 9.4 8.4 7.4 7.2 | 29.8
+4.3 31 21 16 9.5 | 11 15 17 25 +1.8

9.0 | 376 | 4.2 4.6 9.3 9.1 | 8.8 | 9.2 9.6 9.0 8.2 | 28.6
+4.8 21 15 9.5 | 10.5 14 17 +0.8

9.5 | 370 | 4.8 4.9 9.7 9.4 | 9.3 | 9.5 9.8 10.3 7.8 8.0 | 30.2
+5.0 22 14 9 | 10.5 13 15 25 +1.6

10.8 | 376 | 6.8 7.2 11.0 10.9 | 10.6 | 11.0 11.8 11.0 10.8 8.0 7.8 | 33
+4.0 22 15 9.5 | 10 16 17 21 25 +3.0

Sta.	+	↑	−	E/ev.	
		996.19			
46+42					
T.P.	4.31	988.34	12.16		984.03
+53					
+95					
47+0					
+17					
+60					
48					
+50					
49+0					
T.P.	9.70	996.49	1.55		986.79
B.M.			13.75		982.74
49+50					
50+0					

LT. & RT. C

11.7 / 11.6 — 35.2 | 7.6 +4.1 | 8.0 7.2 | 12.1 7.6 | 11.7 9.8 | 11.5 | 12.0 10 | 12.4 12 | 13.2 15 | 13.0 20 | 10.9 24 | 10.9 +0.8 | 28.6

4.0 — 37.0 | 4.0 +0.0 | 4.0 10 | 3.8 | 4.3 10 | 4.7 14 | 6.1 17 | 5.8 21 | 4.9 24 | 4.8 20.0 | 23.4

4.4 — 4.8 18 | 4.4 10 | 4.2 | 4.7 10 | 5.0 12 | 10.7 21 | 12.0 29 | 13.4 24

4.6 — 30.8 | 8.1 -3.7 | 7.6 20 | 4.8 15 | 4.5 16 | 4.2 | 4.7 10 | 4.9 12 | 10.5 19 | 12.6 29 | 14.0 -9.6 | 54.6

4.6 — 42.8 | 11.3 -6.7 | 11.6 25 | 4.9 14 | 4.7 10 | 4.2 | 4.9 5.5 | 5.1 11 | 11.5 20 | 13.3 28 | 14.7 -10.1 | 58.2

4.8 — 48.0 | 12.8 -8.0 | 12.8 29 | 13.0 21 | 5.1 12 | 4.9 10 | 4.6 | 4.9 9 | 5.1 11 | 13.5 22 | 14.7 -10.0 | 56.0

4.7 — 47.2 | 13.5 -7.8 | 12.1 22 | 5.0 12 | 4.8 10.5 | 4.5 | 4.8 9.5 | 5.1 12 | 11.1 21 | 11.6 34 | 12.1 -7.4 | 45.6

4.4 — 44.6 | 11.5 -7.1 | 11.5 29 | 10.0 21 | 4.8 13 | 4.5 9.5 | 4.2 | 4.4 9.5 | 4.6 12 | 8.1 18 | 8.2 23 | 6.8 -2.4 | 25.6

3.6 — 20.4 | 4.9 -1.1 | 4.8 21 | 4.1 15 | 3.8 10 | 3.6 | 3.8 9 | 4.0 13 | 5.8 16 | 6.4 20 | 3.0 28 | 3.5 +0.3 | 27.6

Hail in T.P. ef. Sta 494

R.R. Spike in R.P. 100' RT. 494 25'

11.2 — 30.0 | 9.1 +1.5 | 9.6 23 | 12.7 19 | 12.4 16 | 11.5 12 | 11.3 10 | 11.0 | 11.3 10 | 11.6 13 | 13.5 18 | 12.3 22 | 12.5 20.2 | 24.4

10.2 — 35.0 | 6.2 +4.0 | 6.5 24 | 11.4 19 | 11.4 17 | 10.4 12 | 10.3 10 | 10.0 | 10.4 10.5 | 10.6 14 | 12.3 17 | 12.3 22 | 11.5 23 | 11.5 20.2 | 24.4

Sta.	+	H	−	Elev.
		996.49		
50+50				
51+00				
+40				
+70				
52+00				
+30				
	9.26	1005.55	0.70	996.29
+70				
53+00				
+80				
+26.8				
T.P.	7.40	1010.48	2.47	1003.08
54				
+25				

8.4 37.7 | 33 36 40 9.2 9.2 8.6 8.5 | 8.2 | 8.8 9.1 10.5 10.8 9.9 | 240
+5.1 12 24 18 15 13 9.5 | 12 14 18 22 DD0.0

6.8 36.2 | 1.9 1.9 7.0 7.3 6.7 6.6 | 6.3 | 6.6 6.9 8.2 8.3 6.8 6.5 | 27
+4.6 3.4 24 13 12 10.5 | 11.5 14 17 19 22 DD0.0

5.1 R6.0 | 3.6 5.6 5.3 | 4.9 | 5.2 5.3 6.N 6.7 5.4 5.3 | 26.6
DD1.0 16 9 | 11.5 15 19 22 24 DD1.3

4.3 30.8 | 7.9 7.8 4.8 4.5 | 4.1 | 4.3 4.4 5.5 5.5 4.3 4.5 | 26.6
-3.2 19 12 9 | 11.5 15 18 22 24 DD1.3

3.0 32.4 | 7.1 7.0 3.9 3.3 | 2.8 | 3.1 3.3 4.3 4.2 3.0 2.1 | 27.4
-4.1 22 14 9.5 | 11.5 16 18 21 23 DD1.4

1.6 25.6 | 2.3 1.6 1.4 | 1.6 1.8 2.4 1.5 1.8 | 26.6
DD0.8 9 | 12 16 19 21 DD1.3

8.9 37.6 | 6.3 6.1 6.0 9.8 9.8 9.2 9.1 | 8.7 | 9.0 9.1 9.7 8.9 8.7 | 27.4
+2.6 20 15 14 12 8 | 11.5 16 19 21 DD2

8.3 37.6 | 5.0 5.1 9.2 9.2 8.5 8.3 | 8.1 | 8.4 8.5 9.3 8.0 8.0 | 27.6
+3.3 20 15 14 11 8 | 12.5 16 18 21 DD3

6.7 33.4 | 3.5 4.2 7.7 7.7 6.9 6.8 | 6.5 | 6.7 6.9 7.6 7.6 6.2 6.7 | 27.0
+3.2 19 15 13 11 8 | 12 15 16 19 20 DD1.5

5.8 32.2 | 3.7 3.7 6.5 6.1 6.0 | 5.6 | 5.8 5.9 | 26.1
+3.1 19 14 11 8.5 | 11.5 33

Nailing P.P. RH. LH.

10.0 35.4 | 5.8 6.4 10.4 10.3 | 9.8 | 10.2 10.4 11.3 10.7 10.4 | 26.2
+4.2 20 13 8 | 12 15 18 23 DD1.1

9.4 38.6 | 5.1 5.6 9.6 9.5 | 9.2 | 9.5 9.8 10.3 10.3 | 25.4
+4.3 19 14 9 | 11.5 16 17 DD0.6

Sta	+	℄	−	Elev
		1010.48		
54+70				
55+00				
+65				
56+00				
+75				
+60				
57+00				
+50				
T.P. 58	10.11	1019.29	1.30	1009.18
+45				
59				
+50				

	Lt.					Rt.				
8.5	29.2	7.4 / +1.1	7.8 / 17	9.0 / 14	8.4 / 11	8.4 / 8	8.3	8.7 / 12	9.0 / 15	9.6 / 17	9.6 / 20.4	24.8
8.0	31.0	6.0 / +2.0	5.8 / 28	6.2 / 19	8.9 / 15	8.9 / 14	8.1 / 11	7.9 / 8.5	7.8	8.2 / 12	8.8 / 16	9.5 / 17	9.5 / 20.0	24.0
6.4	33.2	3.3 / +3.1	3.0 / 20	6.5 / 14	6.6 / 9.5		6.2	6.4 / 12	6.8 / 14	7.7 / 17	7.9 / -1.5	22.0
5.8	31.0	3.8 / +2.0	3.3 / 20	6.2 / 14	5.9 / 9.5		5.6	5.8 / 11.5	6.3 / 15	6.8 / 17	6.8 / -0.9	19.6
5.4	26.6	4.6 / +0.8	4.0 / 27	4.0 / 18	6.4 / 15	5.6 / 12	5.5 / 9.5	5.2	5.5 / 10.5	7.2 / 20	9.7 / 28	11.9 / -6.5	42.0
5.0	24.8	7.2 / -2.2	7.6 / 16	5.3 / 12	5.0 / 9			4.8	5.0 / 10.5	5.8 / 13	11.2 / 23	12.4 / -7.4	45.6
4.4	26.8	7.1 / -2.7	6.8 / 16	4.9 / 12	4.5 / 9.5			4.2	4.5 / 10.5	4.9 / 12	9.0 / 20	11.2 / 36	12.1 / -7.7	46.8
3.1	23.7	4.9 / -1.8	4.7 / 16	3.3 / 12	3.2 / 9			3.9	3.1 / 10.5	3.3 / 13	6.6 / 24	8.7 / -5.4	38.4
10.3	29.0	9.3 / 4.0	10.1 / 18	11.0 / 17	10.5 / 12	10.3 / 9		10.1	10.4 / 11.5	11.8 / 16	10.6 / 20	11.1 / 20.7	25.4
9.2	37.0	4.2 / +5.0	5.4 / 24	6.0 / 19	9.4 / 16	9.3 / 8		9.0	9.5 / 11.3	10.8 / 17	9.5 / 18	9.4 / +0.8	25.6
7.9	35.6	3.6 / +4.3	4.2 / 23	4.9 / 20	7.9 / 16	7.9 / 8		7.7	8.0 / 12	9.1 / 17	8.1 / 18	8.4 / 21	9.2 / 20.2	24.4
6.6	35.2	2.5 / +4.1	3.5 / 19	6.5 / 17	6.6 / 8			6.4	6.7 / 12	7.2 / 16	6.3 / 18	6.3 / 21	7.4 / 20.7	25.4

Sta.	+	IT	−	Elev.
		1019.29		
59+83				
60+0				
60+12				
+28				
+67				
+85				
61+0.				1015.2
+20				
+32				
+65				
	13.76	1026.90	6.15	1013.14
60+12				
+28				

5.8 346 | 20 30 5.6 5.8 8.6 5.9 6.4 4.6 5.6
+38 18 15 8 12 16 20 30

5.5 318 | 3.1 4.6 5.4 5.1 5.3 5.5 6.0 3.8 4.0 4.7 | 28.6
+2.4 17 14 9 12 17 20 24 +0.8

5.2 06 08 5.5 5.1 5.1 5.3 6.0 2.8 2.8 4.2 4.2
31 21 15 9 11.5 17 21 24 27 30

5.0 5.1 5.0 4.8 5.1 5.7
15 7 12 18

4.4 2.6 4.7 4.4 4.2 4.5 4.8 2.2
16 15 9 12.5 18 22

4.2 1.2 4.5 4.2 4.1 4.0 4.3 4.5 20
18 15 11 7 12 20 23

4.1 0.4 4.2 4.1 3.9 4.2 4.7 20
20 16 7 13 19 24

4.2 4.4 4.2 4.0 4.3 5.0 3.0
17 15 12.5 19 23

4.2 4.8 4.6 4.2 4.0 4.3 5.2
20 13 6.5 13 20

4.5 4.9 4.5 4.3 4.6 5.2 5.8 4.7 5.5 | 25.0
15 6.5 12.5 16 18 22

1.9 37 5.9 +7.0

12.6 49 2.6 +1.0 6.8 7.5 8.7 8.6 | 35.0
32 22 24 +4.0

Sta.	+	=	−	Elev.
		18x.90		
60+67				
60+85				
61+0				1019.2
+20				
+32				
+65				
62+0				
	6.54	1030.58	2.86	1024.04
60+67				
+85				
61+0				
+20				
+32				
			17.44	1013.14

Gr. Rod 4+ E R4. 10

12.0 4.9 | 1.4 +10.6 3.0 / 37 3.2 / 24

11.8 43.4 | .09 +10.9 1.3 / 28

11.7 43.5 | 0.7 +11.0 1.1 / 30

11.8 43.5 | 0.8 +11.0 1.0 / 29

11.8 1.1 / 48 1.1 / 35

1.1 Slope from Trees

+80 = 00 Fill / 93

12.1 40.2 | 3.3 +8.8 4.0 / 28 6.4 / 22 -2.6 / 43.4

12.7 43.7 80 / 29 99 / 24 11.4 / 17 13.6 / 13 13.0 / 11 12.7 / 7 12.5

15.7 8.1 / 30 3.8 / 33 2.2 +13.5 / 54

15.5 4.9 / 37 0.4 / 40 .00 +13.5 / 88' 2.1 / 1 / 5 / 93.8

15.4 2.2 / 42 3.1 +13.3 / 53.6

15.5 7.4 / 33 8.0 +7.5 / 42

15.8 11.3 / 28 11.9 +3.6 / 34.2

61 + 80 = -F 00 / 3.9

Sta	+	π	−	Elev.	
	3.53	1016.67			1013.14
62+00					
+50					
63					
+					
+50					
J.P.	2.70	1012.59	6.78		1009.89
64					
+50					
+85					
65					
+75					
+55	App & track				
+85					
	9.68	1021.63	0.64		1011.95

2.5 - 3.5 @ 33

3.5 4.5 @ 33 | 3.5 3.7 4.5 3.8 3.6 | 3.3 | 3.8 7.8 7.7 | 32.8 | -3.3 46.2
15 18 15 11 7.5 | 13 31 -4.2

4.4 5.1 @ 33 | 8.4 8.5 5.2 4.7 | 4.4 | 4.7 5.1 12.2 13.2 13.6 | 82.0 | -8.4 166.0
31.2 -8.8 14 11 8 | 17.5 15 30 39 -9.0

5.7 4.5 @ 33 | 46.4 | 3.3 13.3 13.3 6.3 5.7 | 5.5 | 5.9 7.5 15.7 16.3 | 58.4 | -10.3 73
-7.6 3.3 7.2 14 7.5 | 13 18 33 -10.6

2.4 (4.1) 33 | 48.8 | 11.1 11.0 9.9 3.4 3.0 | 7.7 | 3.1 3.6 10.8 12.4 11.9 | 52 | -9.8 69
-8.2 29 21 11 8 | 12.5 15 27 34 -9.0

1.0 4.8 @ 33 | 46.8 | 11.7 11.0 4.7 4.2 | 3.8 | 4.0 4.3 11.7 12.3 | 49.2 | -7.8 63
-7.7 23 11 8 | 13 17 20 -8.3

4.2 5.0 @ 33 | 46.4 | 11.8 10.6 5.1 4.4 | 4.0 | 4.2 5.1 10.4 11.6 | 45.6 | -6.6 54.4
-7.6 19 11 8.5 | 13 19 29 -7.4

4.2 24.8 6.4 -2.2 | 4.4 8 | 4.0 | 4.3 5.0 4.2 | 19.2 | 22

4.1 34.4 | 8.9 -4.6 | 7.7 17 | 4.9 11 | 4.3 8 | 3.4 | 4.0 14 | 5.0 27

4.3 | 4.6 16 | 4.0 8 | 4.1 | 4.1 18 | 4.7 23 | 3.1 +1.1 | 29.2

2.0 | 2.9 16 | 2.2 10.6 | 1.8 | 2.3 11.5 | 2.0 16 | 1.2 20 | 1.6 +0.4 | 77.8

Sta.	+	H	−	Elev.
		1021.63		
66				
+50				
+67.5	Mon		4.59	
B.M.-	11.94	1028.98	4.59	1017.04
+78				
66+95				
67+05				
67+55				
67+75				
T.P.	13.49	1038.24	4.23	1024.75
68				
+15				
+52				
+66				

H. R H.

9.9 | 46.0 | 15.9 / 4.8 10.6 10.0 | 9.7 | 10.2 10.3 9.3 9.7 / 27.4
-6.0 26 13 9 | 11.5 16 18 +0.2

6.1 | 22.4 | 6.6 6.5 6.2 | 8.9 | 6.0 6.5 5.2 5.0 / 19.7
-1.5 14 10 | 10.5 16 20 +1.1

4.8 | 25.2 | 5.7 6.0 4.9 | 4.6 | 4.8 5.2 4.7 5.0
-0.6 22 15 | +0.6 17 22 20

Top noon.

11.3 | 31.8 | 8.9 9.1 11.6 11.5 | 11.1 | 11.4 12.0 11.1 10.5 / 28.6 | 40.6
+2.4 25 18 10 | 10 17 19 +0.8 | 29.4

10.2 | 7.1 7.5 10.5 10.3 | 10.0 | 10.3 10.7 9.7 9.2 9.4 / 38.2
37 23 18 10 | 10 17 18 22 +0.8 | 38.2

9.6 | 6.7 6.7 7.2 10.1 9.7 | 9.4 | 9.6 10.0 8.2 8.1 4.1 4.1 / 38.0 | +5.2
27 23 17 10.5 | 10 17 21 24 31 +2.5 | 43.8

6.8 | 29.6 | 5.5 5.6 7.2 6.9 | 6.6 | 6.7 7.0 4.0 2.1 1.5 / 37.6 | +5.2
+1.3 21 17 10 | 10 17 21 28 +5.3 | 42.8

5.8 | 4.8 5.0 5.7 6.2 5.7 | 5.6 | 5.7 6.3 3.1 (10.2) +0.2 / 39.0
34 21 19 17 9.5 | 9.5 15 20 27 C-60

14.0 | 31.6 | 11.7 11.8 12.6 14.3 14.0 | 13.8 | 14.0 14.3 10.8 8.3 7.8 / 39.4
+2.3 26 20 15 9 | 9.5 16 20 27 +6.2

13.4 | 38.9 | 10.4 11.4 12.3 13.7 13.4 | 13.2 | 13.4 13.7 10.3 4.0 0.4 2.1 / 44.6
+3.5 24 19 14 8.5 | 9.5 17 21 28 36 +11.3

12.3 | 31.9 | 10.3 11.6 12.4 12.3 | 12.1 | 12.8 12.8 11.0 7.3 4.2 4.3 / 43.
+2.0 19 15 9 | 10.5 16 20 26 29 +8.0

12.0 | 41.0 | 5.0 4.5 | 12.2 12.0 | 11.8 | 12.0 12.5 11.2 10.3 8.2 5.9 5.2 / 40.6
+2.0 28 | 15 8.5 | 11 17 20 23 26 28 +6.8

Sta.	+	⊼	−	Elev.
		1038.34		
68+93				
69+15				
T.P.	3.88	1030.26	11.86	626.38
69+40				
+70				
70+0				
/				
+25				
+65				
71				
	4.17	1028.90	5.53	1024.73
+50				
72				
+25				
+55				

11.6	40	5.1 / 10.5	4.4 / 29	11.8 / 15	11.7 / 85	11.4	11.6 / 11	12.0 / 16	10.7 / 19	10.5 / 23	8.6 / 29	3.8 / 28	32.6
11.5	50	9.6 / 11.9	8.6 / 22	12.4 / 15	11.9 / 12	11.6 / 8.5	11.3	11.5 / 11	12.0 / 16	11.5 / 17	11.6 / 20.14		26.8
3.6	24.0	5.1 / 20.0		4.9 / 14	3.7 / 8	3.4	3.6 / 11.5	3.9 / 16		4.0 / 20.1.1			26.2
3.8	47.2	11.6 / 7.8	8.5 / 25	8.1 / 19	4.4 / 11	4.0 / 8	3.6	3.8 / 17.5		4.2 / 20.1.1			26.2
4.2	49.6	13.6 / 8.4	11.7 / 33	10.4 / 22	4.7 / 12	4.3 / 7.5	4.0	4.3 / 13			4.7 / 33		
4.5	50.8	13.2 / 8.7	11.0 / 33	10.7 / 22	6.8 / 16	5.2 / 12	4.6 / 7.5	4.3	4.5 / 13		5.6 / 20.0.6		25.2
5.0	86.8	15.2 / 10.2	14.0 / 34	11.7 / 22	7.0 / 15	5.6 / 11	5.2 / 8	4.8	4.9 / 13	6.1 / 19	6.2 / 20.0.3		24.6
5.4	86.9	15.4 / 10.0	13.7 / 28	7.2 / 15	5.6 / 7	5.2	5.3 / 13.5	6.5 / 20		6.5 / 20.0.4			24.8
4.4	53.2	13.7 / 9.3	12.7 / 25	5.0 / 15	4.4 / 7	4.2	4.4 / 13.5	5.2 / 20		5.3 / 20.0.5			25.2
4.5	35.2	9.3 / 4.8	9.5 / 26	8.7 / 19	5.6 / 11	4.6 / 7	4.3	4.4 / 13.5		3.7 / 33			
4.6	76.8	4.7 / 20.14	4.2 / 18	5.7 / 15	4.5 / 7	4.2	4.4 / 13.5	5.1 / 19		5.2 / 20.0.4			25.8
4.7	75.6	5.4 / 20.0.8	4.9 / 16	5.9 / 12	4.6 / 7.5	4.3	4.5 / 13.5	4.8 / 18		4.9 / 20.1.2			26.6

Sta.	+	⊼	−	Elev.
		1028.90		
72+85				
73				
B.M.			2.98	1025.92
+22				
+60				
74				
+50				
+62				
75+0				
+50				
+80				
T.P.	2.61	1026.51	5.00	1023.90
76				
+75				
	2.11		2.61	

Dec Civil Assoc. P.

G.R. El- Q Rt-

4.7 240 6.6 6.5 4.8 4.4 4.4 4.5 27.2
10.0 15 8 12.5 10.7

20 5.9 4.9 4.4 4.5 4.3
33 17 8.5 13 3.3

Nail in T.P. 30° Rt. 73+18- Approx & Backward.

6.8 5.7 4.9 4.4 4.7 5.1 5.0 26.6
3.3 9 12.5 18 11.3

4.8 Off on Rod Rt. 6.6 6.3 5.0 4.5 4.5 4.8 5.0 26.6
4.6 14 9.5 12 19 11.3

4.6 4.8 6.6 5.7 5.0 4.4 4.5 5.1 4.6 4.7 27.2
11.0 13 10 12 20 22 10.1

4.5 4.9 76.8 4.6 4.9 6.0 4.7 4.3 4.6 5.4 3.2 3.2 3.6 26.6
10.6 24 21 9.5 12 18 21 24 11.3

4.5-4.9 29.0 3.5 3.4 5.8 5.6 4.6 4.3 4.5 5.4 3.1 3.0 4.0
11.0 27 21 15 9.5 11.5 17 21 28 3.3

4.6-5.0 30.4 2.9 2.9 4.7 5.0 4.6 4.3 4.4 5.1 3.1 3.1 30.8
11.7 23 19 14 9.5 10.5 17 21 11.9

4.7 5.1 30.4 3.0 2.9 5.0 4.7 4.5 4.5 5.2 3.8 3.8 29.6
11.7 22 17 9.5 10.8 17 20 11.3

5.0 5.2 31.0 3.0 2.7 5.5 5.1 4.8 4.9 5.8 5.2 5.2 5.3 26.8
11.0 22 17 9.5 10.5 17 19 25 11.4

2.8 28.4 2.1 1.4 3.8 3.5 3.0 2.6 2.8 3.6 3.7 19.6 4.0 8.7 10.4 4.2
10.7 22 18 13 10 10 17 -0.9 23 33.7 6

2.2 24.2 4.6 4.5 4.0 3.2 3.0 3.2 4.8 9.7 10.7 10.9 46.8
10.0 24 17 9.5 10.5 19 28 38 -7.7

Sta.	+	H	−	Elev.		
		1026.51				
76+50						
77						
+60						
78						
+75						
+70						
79						
+30						
+58.3				1020.99		
B.M.	2.42	1025.43	3.50		1023.01	1022.90
+65						
+75						
80						

3.5 24.8 | 4.6 (10.4) 4.1 16 3.5 9.5 3.3 3.6 11 4.4 14 8.6 21 10.5 28 11.0 -7.5 | 46.

4.0 29.6 | 7.4 -3.4 6.7 26 6.5 19 4.7 13 4.1 9.5 3.8 4.0 10 4.7 13 10.7 24 11.0 -7.0 | 44.0

4.4 31.2 | 8.2 -3.8 8.0 18 5.0 12 4.7 9 4.2 4.2 10 4.8 14 5.8 17 6.7 -2.3 | 25.2

4.6 31.2 8.4 -3.8 8.2 19 4.9 9 4.6 10.5 5.0 14 7.6 -3.0 | 28.0

4.7 18.0 5.2 -0.5 4.9 8 4.5 4.8 11 6.0 19 7.9 -3.0 | 28.0

4.8 5.3 24 5.0 8.5 4.6 4.8 11 6.3 (10.0) | 24.0

5.1 5.8 24 5.3 8.5 4.9 5.2 11 6.2 23 6.3 (10.2) | 24.6

5.5 6.4 28 6.2 16 5.5 8.5 5.3 5.5 11 6.1 18 6.3 (10.7) | 25.4

6.8 33 5.8 9.5 5.52 5.5 10 6.2 33

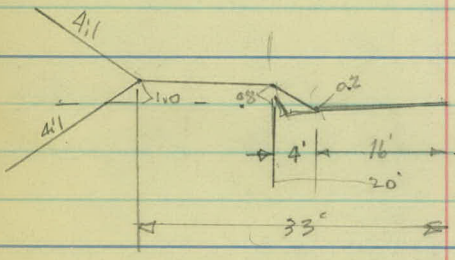
4.7 6.5 35 6.0 23 4.9 10 4.5 4.6 10 4.9 22 5.4 37

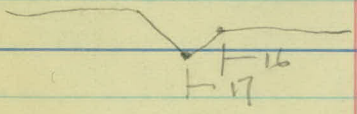
4.8 29.6 9.2 (9.1) 7.9 20 5.8 13 5.0 10 4.6 4.7 10 5.7 17 7.1 21 7.6 -1.9 | 27.2

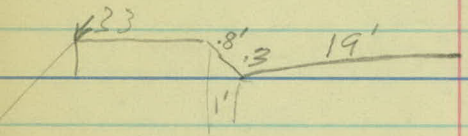
5.1 34.8 | 9.8 -4.7 9.4 17 6.3 13 5.4 9 4.9 5.1 10 6.5 17 9.4 23 9.8 -4.7 | 34.8

Sta.	+	H	-	Elev	
		1025.43			
80+35					
+50					
81+0					
+50					
+83					
82+0					
+50					
83	6.35	1030.16	1.62		1023.81
+30					
+50					
+60					
84	7.11	1030.96	6.35		1023.81
84					

Revised Section
North Side Sta. 0+00 to 14+







	7.05		1017.04
66+50			
+67.5			
	9.92	2.05	1017.04
+78			
66+95			
67+05			
67+55			
	13.76	9.92	1017.04
68+0			
+50			
69+0			
+40			
Curb and Gutter			

Top Mon.

24/33 26/20 40.4 | 6.5/4.1 6.9/4.4 5.9/3.6 3.4

1.9/3.3 1.2/2.0 3.0/3.3 2.0

8.1/3.3 8.3/5.0 9.3/1.6 38.6 | 6.7/4.4 9.1

~~6.8 6.5 3.5/1.6 48.8 4.4/4.9~~ ~~7.2~~

6.3 6.4 3.5/1.6 45.8 | 4.4/4.9 7.3

3.5 3.7 33.8 | 3.3/4.2 4.5

5.3 5.5 6.5 6.3 6.5/1.1 8.0

3.7/3.3 3.9/2.0 4.9/1.6 4.7 4.9/1.4 6.3

4.9 3.1 4.1 3.9 4.1/1.5 5.6

2.9 6.3/8.8 3.9

	3.15	1029.07		1025.92
71+				
72+00				
+55				
+85				
74				
+62				
T.P.	3.50	1028.13	4.44	1024.63
75				
+50				
+80				
B.M.	6.51			
76+00				
+25				

3.4 65.8 | 11.6 / -8.2 — 4.4

3.4 51.0 | 7.9 / -4.5 — 4.4

3.4 43.8 | 6.1 / -2.7 — 4.4

3.5 42.6 | 6.9 / 3.4 — 4.5

3.6 47.8 | 7.3 / -3.7 — 4.6

3.1 35.4 | 4.0 / -0.6 — 4.1

2.5 34.2 | 2.2 / +0.3 — 3.5

2.7 33.8 | 2.5 / +0.2 — 3.7

3.0 34.2 | 2.7 / +0.3 — 4.0

Top Mom 7pt

2.6 66.6 | 11.0 / -8.4 — 3.6

2.9 67.0 | 11.4 / -8.5 — 3.9

76 +50

77

+60

78

+25

3.2 $46.2 \Big| \frac{11.5}{-8.3}$ 4.2

3.7 $63.0 \Big| \frac{11.2}{-7.5}$ 4.7

4.2 $55.6 \Big| \frac{9.8}{-5.6}$ 5.2

4.4 $55.0 \Big| \frac{9.9}{-5.5}$ 5.4

4.5 $33.0 \Big| \frac{5.5}{3.7}$ 5.5

Additional X-Sec.
Carpenter Ave.
near Winthrop St.

Sta.	+	H	−	Elev.
	13.75	1030.79		1017.04
68+00				
68+15				
68+52				
T.P.	7.47		1.98	
68+66				
68+93				
69+15				
T.P.	7.72		3.21	
67+75				
68+00				
68+15				
68+52				

7.8 / 100 4.2 / 58

7.6 / 100 5.2 / 79 3.7 / 56

7.2 / 100 3.2 / 66 7.6 / 76

14.2 / 115 9.2 / 91 39 / 60

14.0 / 110 5.6 / 79 3.5 / 55

14.9 / 130 8.5 / 95 7.7 / 70 8.8 / 116

3.8 / 57 6.7 / 86

8.2 / 66 9.8 / 81

10.7 / 67

(∞ Barrow Rd. 1667+70)

11.2 / 58 14.0 / 64

10.3 / 64 12.5 / 66

68+15 N.W. Cor. 63.

6.8 / 58 7.0 / 63 12.5 / 68 Var.

14'x30 Garage. 741-NE Cor. 60.

6.8 / 60 9.5 / 70 12.5 / 77

5.57 103.46 102.92

Add X-Sec. Lt. + Rt.

69+15

69+40

69+70

70

70+25

70+65

71+00

71+50

72+00

3.21 102.38 7.32 102.17

Fill Widening Left-

69+40

69+70

4.8 — 50 / 13 / 376

4.8 — 4.6 — 53 / 10 / 340

5.2 — 5.0 — 67 / 1000 / 32

5.7 — 5.5 — 80 / 32

6.2 — 6.0 — 73 / 31 — 50 / +1.2 / 42.8

6.6 — 6.4 — 75 / 31 — 58 / 34 — 34 / 44 — 26 / +4.0 / 540

6.9 — 6.7 — 63 / 26 — 62 / 29 — 73 / 43 — 07 / +6.2 / 6.8

7.0 — 6.8 — 50 / +20 / 46.0

G. Red. 33' Left.

1.5 — 49.8 — 57 / 42 — 0.5

1.8 — 58.8 — 95 / 7.7 — 0.8

1027.38

70+0

70+25

70+65

71+0

71+50

72+0

G.O. 33' H. 33' R.B

2.1	638 $\frac{9.8}{-7.7}$	1.1
2.6	722 $\frac{11.2}{-9.8}$	1.4
2.9	730 $\frac{12.9}{-10.0}$	1.9
3.3	698 $\frac{12.5}{-9.2}$	2.3
3.6		2.6
3.7	470 $\frac{7.2}{3.5}$	3.7

Sta.	+	H	−	Elev.
Contd from P.				
	3.07	1021.94		1018.92
89+24				
+76				
	(Myrtle Ave)			
+57				
+66				
90+0				
+50				
91+0				
+50				
T.P.	1.03	1019.06	3.91	1018.03
92+0				
+50				
+92				
93+0				

3.5 | 37.2 | 3.8 8.1 6.9 4.0 3.5 / -5.3 25 14 10 6.7 | 3.8 | 3.5 3.8 5.1 4.3 4.8 / 12.4 16 19 21 00.7 | 25.4

9.3 8.0 4.4 4.2 | 3.9 | 3.4 3.5
38 17 10 7 — 12 3.8

9.2 8.8 5.7 5.7 | 4.8 | 4.7 4.0
40 17 11 7.2 — 12 38

5.4 | 37.2 | 9.2 / -38 8.8 6.3 5.5 7.2 | 5.2 | 5.1 5.3 6.0 5.8 / 12 15 17 00.1 | 26.2

6.6 | 25.2 | 8.9 / -23 8.7 7.0 6.7 / 16 11 17 | 6.4 | 6.5 7.0 6.4 6.3 / 13 19 21 +03 | 27.6

7.2 | 19.4 | 8.9 / -17 8.9 7.8 7.3 / 16 12 7 | 7.0 | 7.1 7.7 6.4 6.6 / 14.2 20 23 +06 | 28.2

6.9 | 24.4 | 9.0 / -21 9.0 7.4 6.9 / 16 11 6.7 | 6.7 | 6.8 7.2 6.9 / 13.0 20 00.5 | 27.0

6.4 | 26.4 | 9.0 / -26 9.0 6.9 6.5 / 18 10 6.3 | 6.2 | 6.3 6.3 7.5 6.7 6.7 / 12.8 14 19 23 00.2 | 26.4

Nail in T.P. Rt. Hfa. 91+50

3.2 | 26.6 | 5.7 4.9 4.9 5.2 3.9 3.4 / -24 20 16 14 11 5.9 | 3.1 | 3.2 3.5 4.4 4.5 / 13.2 16 18 00.3 | 24.6

3.5 | 33.0 | 0.5 +0.2 4.4 3.9 3.5 / +30 20 15 10 5.3 | 3.3 | 3.5 4.0 4.8 4.7 / 14 17 20 00.3 | 24.6

3.6 | 27.4 | 3.5 3.5 4.1 4.8 3.9 3.6 / +01 24 18 14 9 6.5 | 3.4 | 3.7 4.2 4.4 4.9 2.5 2.4 / 10.4 18 20 23 18 +1.2 | 29.4

4.0 | 24.6 | 5.2 4.0 4.4 5.4 4.4 4.1 / 00.3 20 17 14 12 6 | 3.8 | 3.9 4.3 4.9 3.3 3.1 / 13.6 17 20 15 +0.9 | 28.8

Sta.	+	H	−	Elev.
		1019.06		
93+50				
94+0				
+50				
T.P.	4.49	1017.62	5.93	1013.13
95				
+50				
96+0				
+25				
+70				
97				
+50				
98+0				
+50				

Gr. Rod   Lt.   ℄   Rt.

5.8   24.0 / 7.3/-2.0   7.2/16   5.9/12   5.4/6.3   5.1   5.2/13.7   5.5/16   6.5/19   6.4/DC0.4 / 24.8

5.8   23.2 / 7.5/-1.8   7.2/15   6.3/12   5.9/6.7   5.6   5.7/14.4   6.0/17   6.8/20   7.1/DC0.2 / 24.4

Right. Dit. Rod

10 13.2

6.1   22.0 / 7.6/-1.5   6.5/12   6.7/6   5.4   5.7/5   6.0/14.3   6.3/16   7.1/DC0.5 / 25.0   6.1

Tonic)

13.2

4.6   22.0 / 6.1/-1.5   5.0/18   5.5/15   5.2/12   4.8/5.8   4.4   4.7/14.3   5.2/18   6.4/21   6.4/23   5.8/DC0.6 / 25.2   6.4

4.2   24.0 / 6.2/-2.9   4.7/20   4.7/18   6.2/15   4.6/13   4.5/5.2   4.0   4.2/13.9   4.6/16   6.9/21   5.0/24   5.0/DC1.7 / 28.4   6.7

3.7   27.8 / 3.3/DC0.4   3.9/16   5.2/14   4.2/13   3.7/9   3.6/5.3   3.5   3.8/13.6   4.4/16   6.9/20   3.8/25   3.4/DC3.6 / 31.2   7.0

3.9   33.8 / 0.5/+3.4   0.8/21   4.4/15   5.5/14   4.6/13   4.3/11   3.9/6.0   3.7   3.9/13.0   4.5/15   7.0/19   7.0/21   3.6/25   3.3/DC3.8 / 31.6   7.1

4.4   26.2 / 4.8/DC1.1   3.7/20   6.6/16   4.9/12   4.4/5.7   4.2   4.5/14.2   7.2/18   6.5/22   4.6/24   4.1/DC3.1 / 30.2   7.2

4.7   32.0 / 8.7/-4.0   7.6/17   6.2/14   5.4/12   4.8/6.1   4.5   4.8/13.2   7.7/18   7.7/20   5.5/23   5.4/DC2.0 / 26.0   7.4

5.2   36.8 // 10.4/-5.2   10.0/24   9.2/18   5.6/10   5.2/5.8   5.0   5.2/13.1   5.7/16   6.0/20   8.3/23   8.3/25   7.3/30   7.4/DC0.6 / 32   7.6

5.1   34.0 / 9.6/-4.6   9.1/23   8.2/18   5.7/12   5.1/6.2   4.9   5.4/13.7   6.4/17   6.4/-1.3 / 21.2

5.1   29.6 / 8.5/-3.4   8.2/23   8.0/19   7.5/16   5.2/12   5.1/6.8   4.9   5.2/12.9   6.2/17   6.2/-1.1 / 20.4

Sta.	+	H	−	Elev.
		1017.62		
99+00				
+50				
T.P.	7.65	1020.59	4.68	1012.94
100+00				
+50				
101+00				
+50				
102				
+50				
T.P.	1.62	1009.28	12.93	1007.66
103+00				
+50				
104+00				
+50				

Gr. Rod. Lt. ℄ Rt.

4.9 25.2 / 7.2/-2.3 6.8/18 5.4/10 5.0/6.8 4.7 4.7/12.3 5.8/17 5.3/11.1 / 26.2

4.7 27.0 / 4.7/20.5 4.5/18 5.4/13 5.0/10 4.8/7.2 4.5 4.5/11.2 4.8/15 5.4/18 3.9/+0.8 / 29.6

7.9 32.0 / 5.4/+2.5 5.3/19 8.6/13 8.0/7.4 7.7 7.7/12 8.3/17 6.6/20 4.7/28 4.0/+3.9 / 34.8

8.2 33.8 / 5.8/+3.4 4.4/19 6.2/17 8.7/12 8.3/7.4 8.0 8.1/12.3 8.3/17 7.6/18 5.2/24 2.0/37 1.7/+6.5 / 40.0

9.4 29.0 8.4/+1.0 8.1/19 10.7/15 10.7/14 9.9/11 9.6/7.8 9.3 9.3/11.6 9.7/17 6.9/23 6.0/+3.4 / 33.8

10.7 27.6 10.4/+0.3 9.8/18 12.0/15 12.0/14 11.2/11 10.9/8.5 10.5 10.7/11.6 10.9/17 8.0/21 8.2/+2.5 / 32.0

11.8 28.0 / 11.3/+0.5 9.9/19 12.6/15 11.9/8.6 11.6 11.7/11. 11.9/15 9.4/20 8.8/29 5.0/37 5.0/+6.8 / 40.8

13.2 29.0 / 12.2/+1.0 10.8/19 14.2/15 13.6/11 13.3/8 13.0 13.1/10.5 13.4/14 11.1/18 10.7/29 6.0/35 5.3/+7.7 / 42.4

3.3 24.0 5.1/0.00 5.2/23 4.7/15 3.8/12 3.5/8.4 3.1 3.2/10.5 3.8/14 2.6/16 2.6/+0.7 / 28.4

4.7 30.8 8.4/-3.7 7.5/18 5.4/14 4.8/8.3 4.5 4.6/10.6 5.0/-0.3 / 16.6 5.5/0.8 / 25.6

5.6 30.0 9.1/-3.5 8.9/17 6.2/12 5.7/8.2 5.4 5.5/11.2 6.0/16 5.9 6.0/-0.4 / 17.6

6.5 28 / 9.5/-3.0 9.3/19 7.4/14 6.8/8.8 6.3 6.3/11.4 6.6/0.0 / 16

Sta.	+	H	−	Elev.
		1009.28		
105+00				
+60				
B.M.1	8.42	1011.00	6.70	1002.58
105+75				
105+82				
106+31				
106+75				
	3.40	1002.61	11.79	999.21
107+00				
+50				
108+00				
108+50				
109+00				
+35				

Ep. Col. Lt ⊈ Rt.

7.0 25.6 | 9.4/-2.4 9.4/17 7.7/15 7.2/8.2 6.8 6.8/11.6 7.0/0.0 / 16

6.8 19.6 7.7/-0.9 7.2/13 6.8/6.7 6.6 6.9/11.8 7.4/-0.6 / 18.4 7.5/DC 0.8 / 25.6

Topo Mon.

8.5 28.0 | 8.0/10.5 8.0/17 8.4/6.4 8.3 8.6/11.8 9.3/18 8.7/20 9.3/30

8.6 30.4 | 6.9/+1.7 6.9/17 9.0/14 8.6/10 8.5/6.3 8.4 8.7/11.7 9.1/15 9.5/18 8.8/20 8.6/DC 1.5 / 27.0

9.7 2:15 hrs 40.4 | 3.0/+6.7 3.7/21 10.1/13 9.7/7 9.5 9.9/12.5 10.2/15 11.1/17 8.0/23 8.6/+1.1 / 29.2

11.1 38.8 | 10.2/+0.9 10.4/17 12.1/14 11.4/9 11.2/7.5 10.9 11.3/12.5 11.5/14 12.4/17 11.2/18 10.8/22 11.7/DC 0.9 / 25.8

3.6 24.0 | 5.1/DC 0.0 4.6/16 5.1/15 4.2/10 3.8/7.6 3.4 3.7/12.5 4.7/17 4.0/18 4.0/20 5.9/-2.3 / 25.2

4.7 24.9 | 6.7/-2.0 5.9/16 6.3/14 5.5/11 5.0/8.0 4.5 4.8/11.5 5.1/15 6.0/16 6.0/17 4.6/18 5.1/DC 0.0 / 24.0

5.1 24.4 | 6.4/DC 0.2 5.6/17 6.7/14 5.5/10 5.1/7.5 4.9 5.0/11.2 5.4/14 6.5/15 6.5/16 4.5/18 2.8/+2.3 / 31.6

5.3 31.6 | 3.5/+1.8 3.4/21 6.9/15 6.9/14 5.9/13 5.4/7.6 5.1 5.2/10.5 5.6/13 6.8/15 6.8/16 5.3/17 (+1.3)/25 (+4.6)/39 (+5.0)/+4.6 48.2

5.7 26.9 | 6.1/DC 1.1 5.3/21 7.5/15 6.2/13 5.8/8.3 5.5 5.7/10.3 6.3/13 7.7/15 7.7/16 3.6/22 1.1/23 0.0/+5.7 / 38.4

6.1 27.4 5.9/+0.2 6.0/19 7.8/16 7.8/14 6.7/12 6.1/8.9 5.9 6.0/9.7 7.2/17 8.8/21 7.6/DC 0.0 / 24.0

St.	+	HI	−	Elev
		1002.61		
	6.26	1003.0	5.86	996.75
N0+0				
+50				
1+00				
+50				

Gr. Rad   Lt   C   Rt.

6.2 30.6 / 4.4, 4.2/+1.8, 6.3/27, 6.7/21, 7.9/16, 7.9/14, 6.6/13, 6.5/11, 9.0 | 6.0 | 6.1/9.7, 6.6/15, 10.2/26, 11.8/-5.6 / 38.4

5.6 30.4 / 3.9/+12.7, 4.4/17, 6.4/15, 5.8/9.2 | 5.4 | 5.6/9.6, 5.8/15, 6.8/-1.2 / 20.8

5.1 25.8 / 5.8/09, 6.0/17, 6.6/16, 5.7/12, 5.3/8.5 | 4.9 | 5.2/10, 5.6/16, 5.9/-0.8 / 19.2

4.5 36.0 9.5/-5.0, 9.6/27, 4.8/14, 4.6/8.5 | 4.3 | 4.7/10.5, 5.3/-0.8 / 19.2

69+50

70

+50

71

+50

72

Blue Tops

30	40
36 335	46
42	52
48	58
51	61
52	62

B.M. 3.89 102981 102592

70+25

70+50

71+0

71+50

72+0

72+50

73+0

73+50

74+0

74+50

75+0

+50

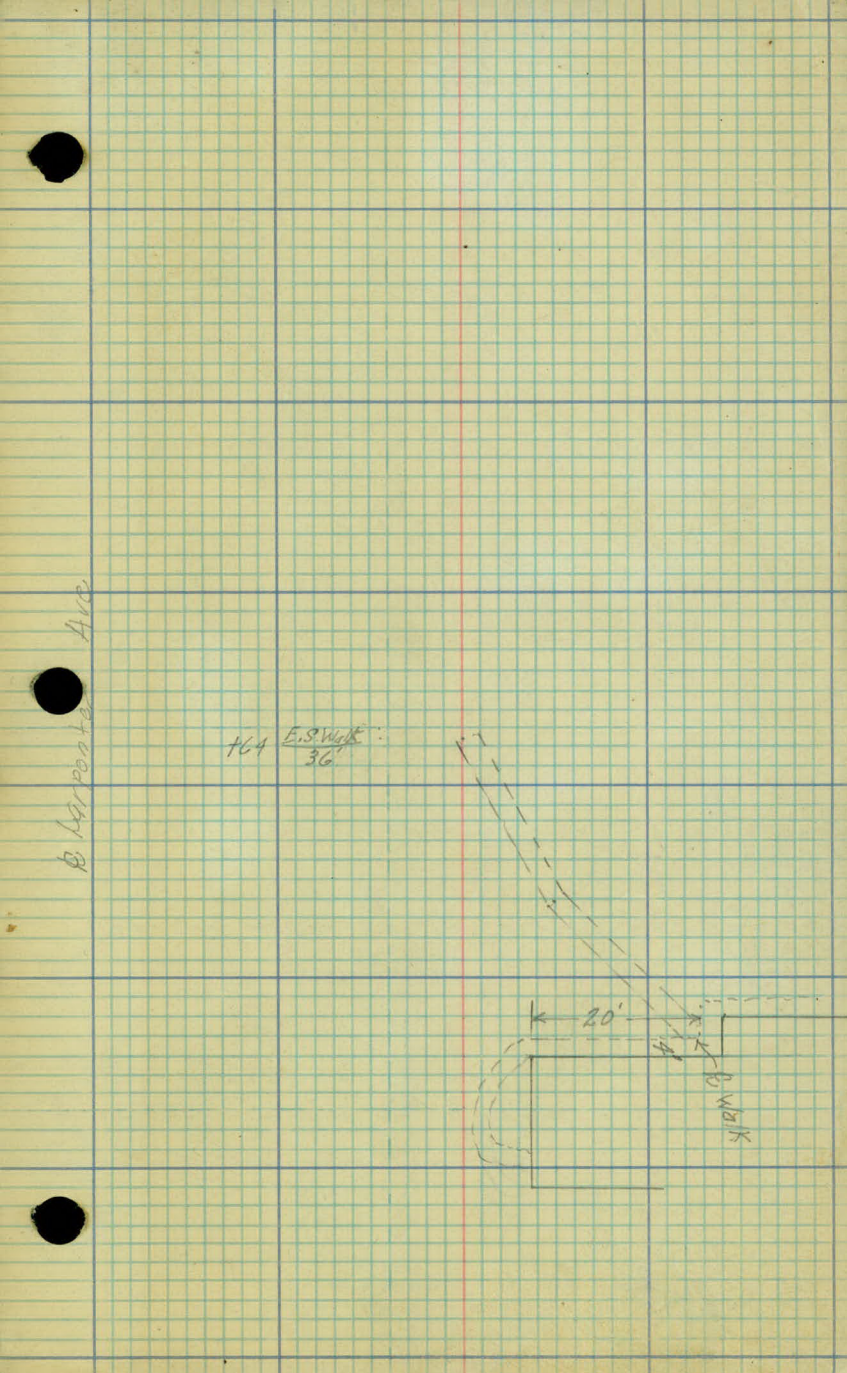
Bd Rd. Rt.

3.9	(5.4)	3.7	5.4 / 32	1.6 / +7.3 / 47.7
4.3	5.8	4.1	5.8 / 37	1.6 / +7.7 / 488
4.9	6.2	4.7		1.6 / +33 / 512
5.27	6.8	5.07	6.62 / 22 6.55 / 32	1.6 / +37 / 528
5.35	6.9	5.15		1.6 / +38 / 537
5.45	7.0	5.25		1.6 / DO. 5.4 / 536
7.1				1.6 / DO 5.5 / 540
7.2				1.6 / DO 5.6 / 544
7.3				1.6 / DO 5.7 / 548
7.4				1.6 / DO 5.8 / 552
7.5	+48			1.6 / DO 5.9 / 556
4.2				1.6 / DO 60 / 560

88 +00

87+00

86+00


Broadway Ave
164 E. 3rd St
36'
20'
4'
4'
Walk

	0.18	1018.21		1018.03
91+50	Marsh No.		5.30	1012.9
94+50	✓ No.		6.95	
97+0	Pure N.		9.4✓	
@ Ditch			(5.8)	
			Intersection So.	
93+50			5.86	
94			6.58	
+50			6.88	
95			7.00	
+40		Drain Tile	7.34 - 7.38	
95+50			7.42✓	
96+0		×	7.42	
+10		Culv.	7.41 {= 7.60 / 7.70}	
+50		×	7.88	
97			8.20	
+50			8.80	
Ditch No. 92+0	[illegible]	Culv.	9.20	

91+50	5.3	
92	5.6 5.1- [illegible] 0.5	
+50	5.9 [illegible] .65	(4.7)
93	6.2 -4.5 [illegible] 1.7	
+50 —	6.8 6.1 - [illegible]	
94 —	6.9 - 6.8 - [illegible]	
+50 —	7.0 - 6.3 - [illegible]	
95 —	7.2 - 6.8 - [illegible]	
+50	7.3 - 7.1 [illegible] 0.9	
96	7.6 - 3.1 [illegible] .5	
+50	7.8 - 6.1	+1.7
	8.0	