Dr. 12A - B.23

OFFICE OF COUNTY ENGINEER
RAMSEY CO. MINN.

PLAN Survey

ARCADE ST. EXT.

From Labore Rd. To N.E. Cor. Sec. 5

Road Acc't. No. N-48

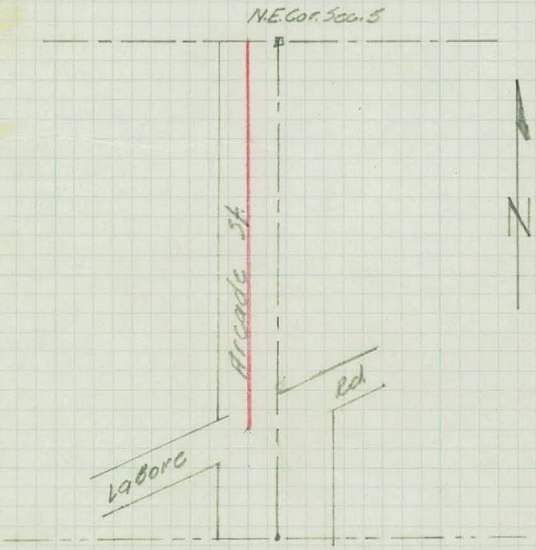
Date Filed 12-23-38 File

N.C TWP.

PLAN SURVEY

ARCADE ST.

La Borca Rd to N Line of Sec. 5



INDEX

Alignment - 1-2

Typical - 3-7

X Sections - 8-12

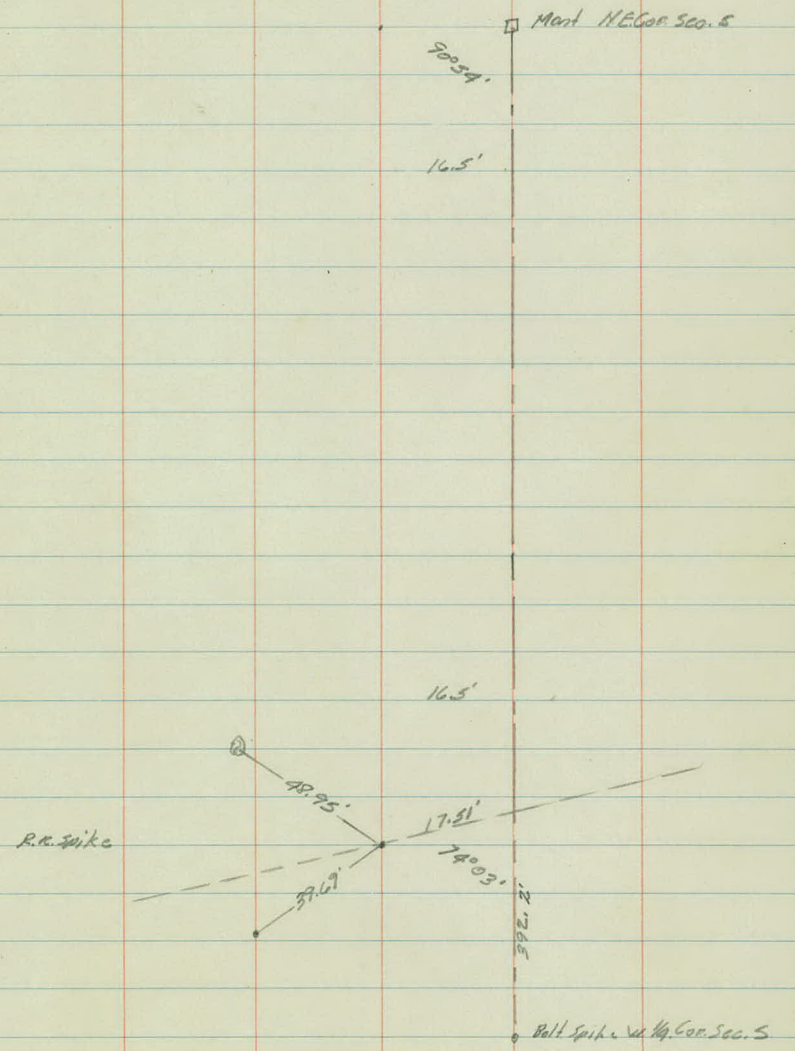
10-17-38

Alignment

2A +39.6

0400 = R.L.9 Bord. Rd.

K.A.
L.B.H.
L.C.
M.J.G.


Mont. N.E.Cor. Sec. 5
90°54'
16.5'
16.5'
48.95'
17.51'
74°03'
39.69'
R.R. Spike
392.2'
Bolt Spik. W. Mg. Cor. Sec. 5

Topography

5

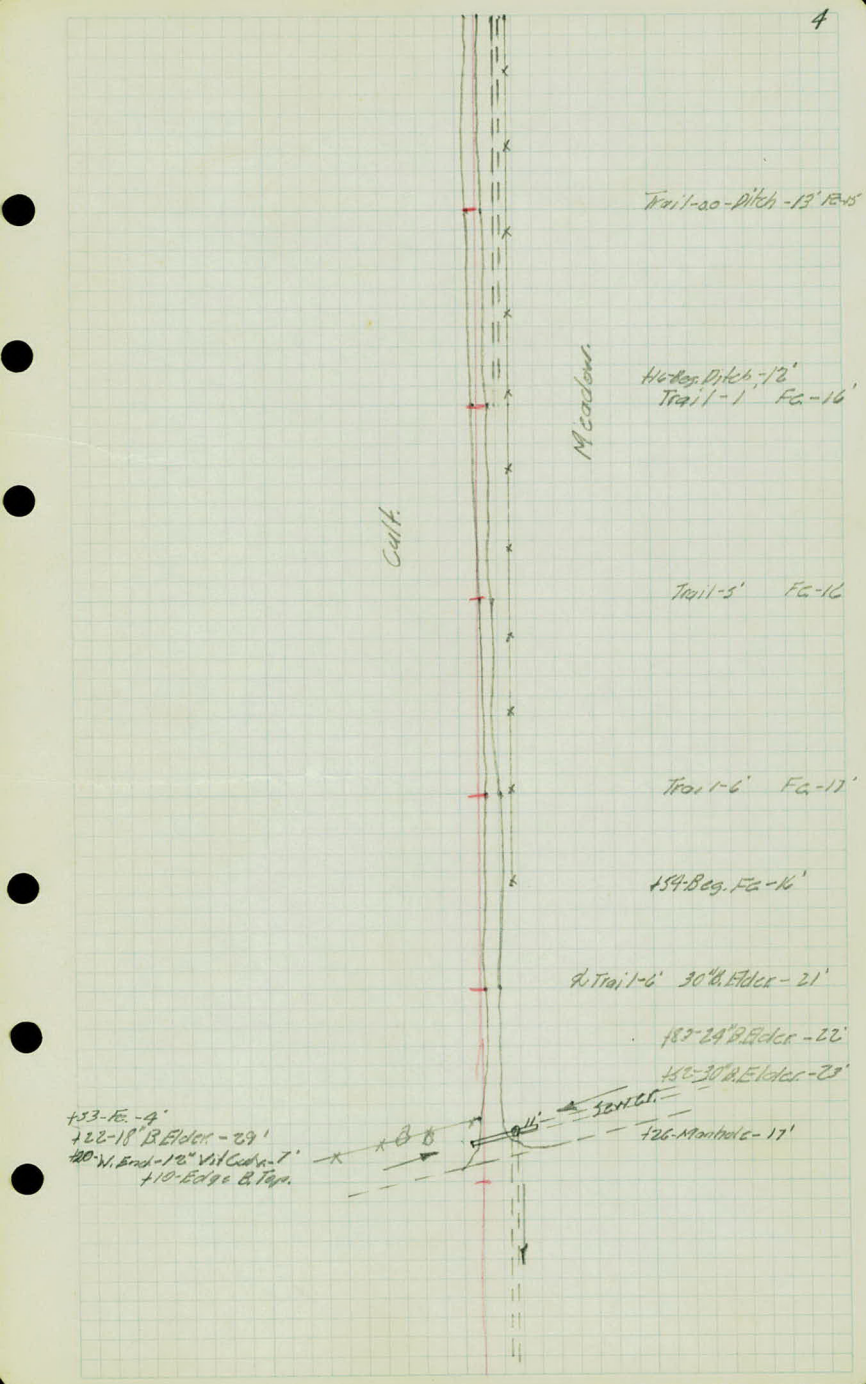
4

3

2

1

0700


Trail-20-Ditch-13' Fc-15'
Hedge. Ditch-12'
Trail-1 Fc-16'
Meadows
Calif.
Trail-5' Fc-16
Trail-6' Fc-17'
#54-Beg. Fc-16'
@ Trail-6' 30" B. Elder-21'
#8-29" B. Elder-22'
#6-30" B. Elder-23'
#33-Fc.-4'
#22-18" B. Elder-24'
#20-W. Brad-12" V. of Cedar-7'
#10-Edge B. Tap.
Sewer
#26-Manhole-17'

12

11

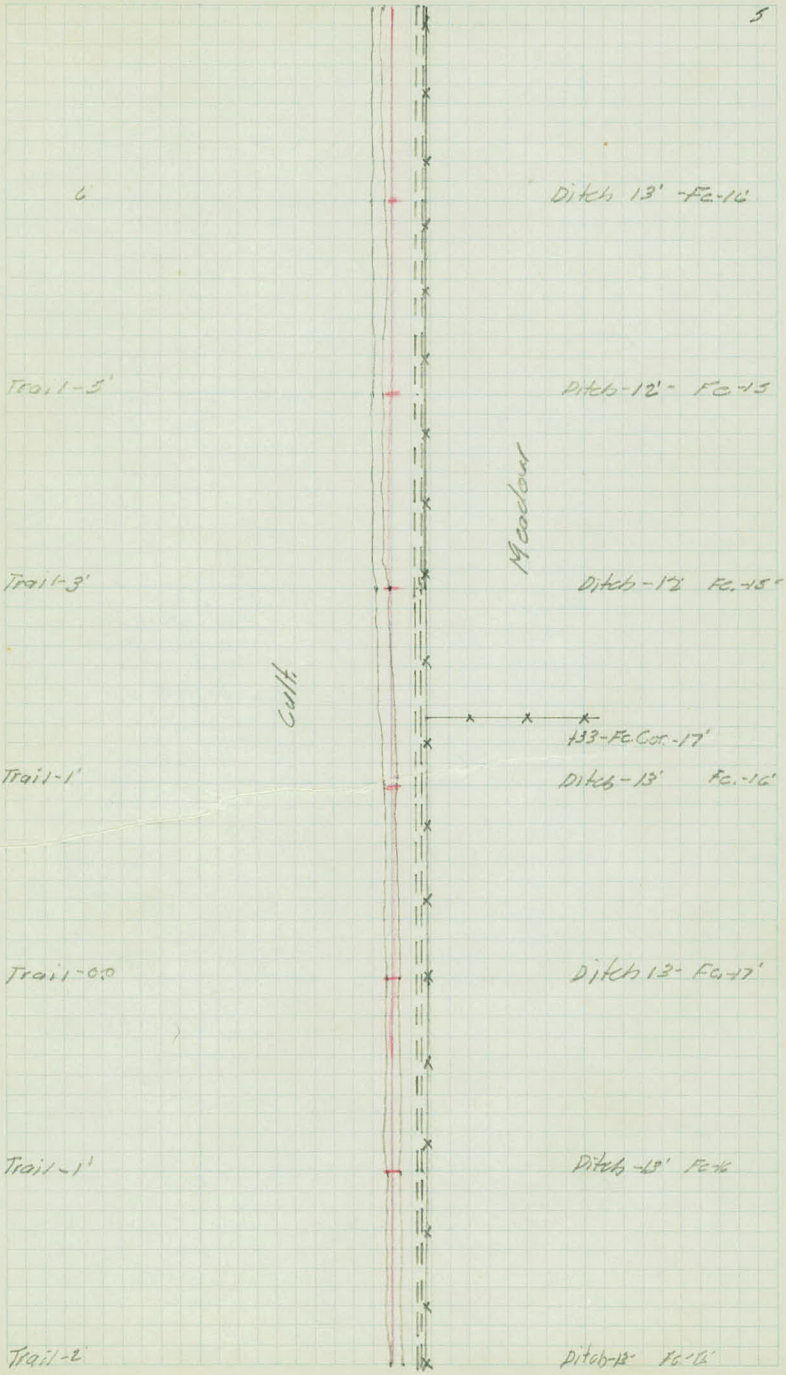
10

9

8

7

6


6
Ditch 13' -Fc.-16'
Trail-3'
Ditch-12'- Fc.-15'
Meadow
Trail-3'
Ditch-12' Fc.-15'
Cult.
133-Fc.Cor.-17'
Trail-1'
Ditch-13' Fc.-16'
Trail-0.0
Ditch 12'- Fc.-17'
Trail-1'
Ditch-13' Fc.-16'
Trail-2'
Ditch-12' Fc.-15'

19

18

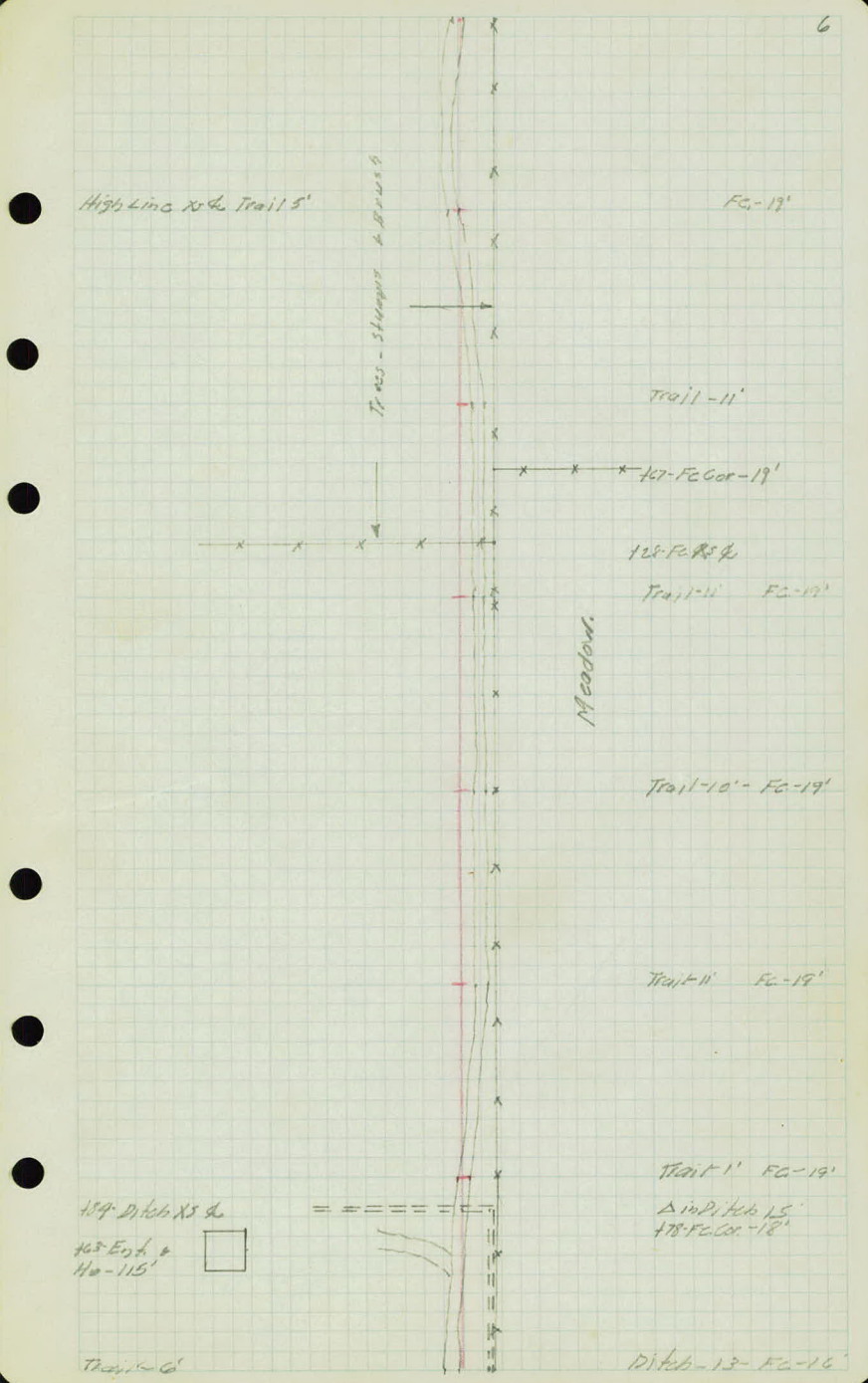
17

16

15

14

13


High Line xs ℄ Trail 5'
Fc - 19'
Trees - Stumps & Brush ℄
Trail - 11'
167 - Fc Cor - 19'
128 - Fc RS ℄
Trail - 11' Fc - 19'
Meadow
Trail - 10' - Fc - 19'
Trail - 11' Fc - 19'
Trail - 1' Fc - 19'
159 - Ditch xs ℄
165 - End ℄ & Mo - 115'
Δ in Pitch 1.5'
178 - Fc Cor - 18'
Trail - 6'
Ditch - 13' - Fc - 16'

25

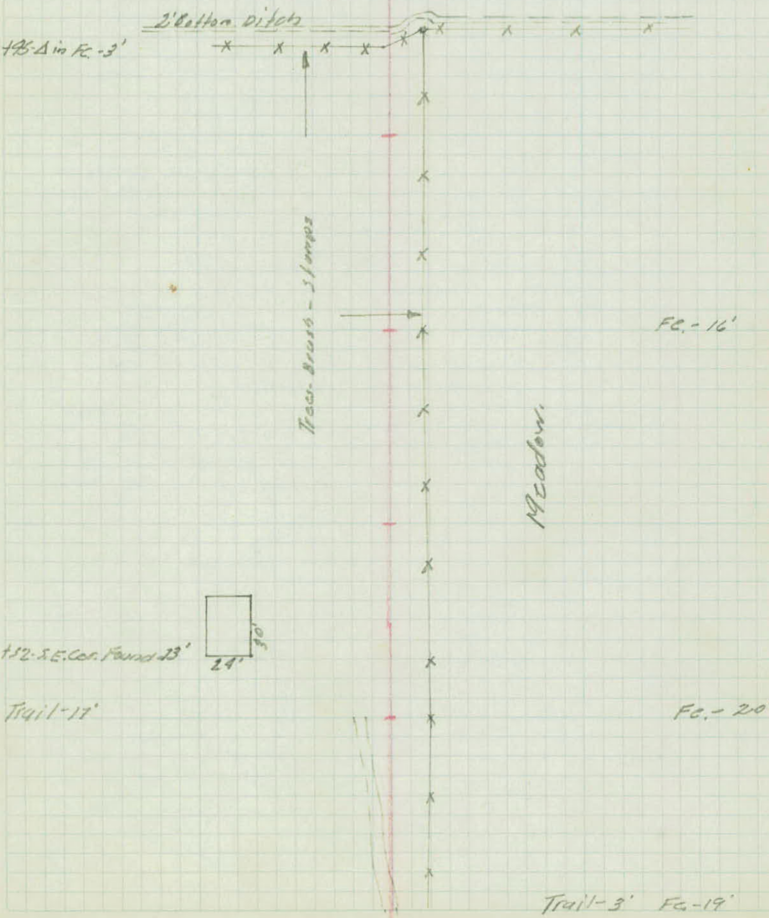
24

23

22

21

20



2' Bottom Ditch
+95-Δ in Fc.-3'
Trees-Brush-Stumps
Fc.-16'
Meadow
30'
24'
+52-S.E.Cor. Found 23'
Trail-17'
Fc.-20'
Trail-3'
Fc.-19'

X Sections

Sta		+	H	−	Elev.	
B.M.		11.78	908.77			(896.99)
T.P.		13.52	922.26	0.03	908.74	
T.P.		1.97	919.23	5.00	917.26	
T.P.		10.43	924.10	5.56	913.67	
T.P.		2.42	919.52	7.00	917.10	
B.M.		9.49	922.67	6.34	913.18	
0	+00				12.7	
	+11				12.5	
	+20				12.5	
	+26					
	+27				12.7	
	+33				15.0	
	+48				13.7	
1	+00				16.4	
	+28				17.7	
T.P.		3.80	922.71	3.76	918.91	

Lt. & Rt.

Spk. in C.P. Edgerton Hatbox.

Top W. Edge Frame Manhole.

10.0

11.9 / 20 | 11.8 / 18 | 10.3 / 7 | 10.2 | 10.0 / 20

Fl. Culv.

11.6 / 16.5 | 12.0 / 7 | 10.4 / 6 | 10.2 | 10.0 / 20

04.87

17.8

Fl. Manhole.

12.1 10.57

Fl. to E End Culv.

5.6 / 18 | 10.0 | 9.8 / 16 | 10.0 / 22

5.1 / 16.5 | 5.2 / 3 | 7.7 | 9.9 / 3 | 9.9 / 16.5

4.8 / 16.5 | 4.7 / 5 | 9.0 | 9.5 / 9 | 9.5 / 12 | 4.7 / 18

5.1 / 16.5 | 5.2 / 9

6.3 | 7.4 / 3 | 7.1 / 13 | 5.3 / 16.5

4.9 / 16.5

5.0

5.0 / 16.5

Sta.	+	℄	−	Elev.
		922.71		
2				18.1
3				18.4
4				18.0
5				17.7
6				17.6
7				17.5
8				17.8
T.P.	4.72	921.87	5.56	917.15
9				17.2
10				16.9
11				16.5
12				16.6

Lt	Rt	Rt.
4.9 / 14.5	4.6	4.6 / 14.5
4.6	4.3	4.4
4.8	4.7	4.3 / 14.5
5.0	5.0 / 10 5.7 / 11 6.3 / 13 6.3 / 15 5.0 / 14.5	
5.0	5.1 / 11 5.2 / 12 6.3 / 15 6.3 / 14.5 5.3	
5.2 / 14.5	5.2 / 10 5.3 / 11 6.4 / 14 6.9 / 14.5 4.9	
4.9	4.9 / 19 5.5 / 11 6.9 / 15 6.4 / 14.5 5.9	
4.6	4.7 / 11 5.2 / 12 5.8 / 14 5.8 / 14.5 4.6	
4.8 / 14.5	5.0 / 11 5.3 / 11 6.2 / 14 6.2 / 14.5 5.1	
5.0	5.9 / 10 5.6 / 12 6.3 / 14 6.3 / 14.5 5.3	
5.1 / 14.5	5.3 / 7 5.3 / 13 6.4 / 15 6.9 / 14.5 5.5	

Sta	+	HI	−	Elev.
		921.87		
13				16.6
	778			17.0
	783	Q 3' Bottom Ditch		16.4
	788			16.8
14				17.2
T.P.	469	922.89	3.67	918.20
15				17.5
16				17.5
17				17.6
18				18.0
19				18.1
20				17.9

44	42	41
49 / 145	53 / 56 / 11 / 64 / 75 / 64 / 18 / 57 / 145	
48	49 / 52 / 11 / 65 / 14 / 63 / 17 / 56 / 18	
72 / 300 / 63 / 250 / 66 / 280 / 66 / 100 / 68 / 50 / 69 / 145	53	64 / 6 / 67 / 19
50 / 145	51	46 / 145
46	47	50 / 145
50	52	55
55	54	50
54	53	50
49	49	52
47	48	46
50 / 10.5	50	46 / 10.5

Sta.	+	✕	−	Elev.	
		922.89			
21				18.1	
T.P.	4.05	923.41	3.53	919.36	
22				18.6	
23				17.9	
24				18.1	
	+50			18.5	
	+54.6	& Ditch Lt.		18.6	
B.M.			4.93	918.48	(918.42)

Lt.	R	Rt.
49/165	48	47/165
51	48	47
56	55	53
54/165	53	55/165
49/165	49	52/165

← 85/200 7.5/150 75/100 72/50 6.7/C 48 49/17 76/36 70/50 6.8/100

Tap. Mont. Co. Rd "D" & Meade St.

Slope Stakes

Broadcast

LaBarre to Co. Rd "D"

6 Pages

Sta.		+	H	−	Grade	
B.M.		9.55	922.73			913.18
						91682
0	+00					
	+27				12.6	
	+33				12.9	
	+98				12.8	
1					14.0	
	+28				16.6	
	+50				16.75	
2					16.8	
	+50				16.80	
3					16.9	
T.P.		3.99	922.58	3.59	919.14	
	+50				16.90	

Cor. Rod.	LT	Lt	RT
Top W. Edge Frame Manhole 17.0 ft. at 26			
Spk in Stump S.E. Cor. Hrcadc. HL. Bore St.			
10.1			
9.8	16.5 / 5.2 +9.6	7.7 +2.1	9.6 +0.2 / 16.5
8.7	16.5 / 4.9 +9.0	8.0 +0.9	5.3 +3.2 / 16.5
6.7	16.5 / 5.2 +1.5	6.4 +0.3	5.1 +1.6 / 16.5
6.1	16.5 / 5.0 +1.1	5.1 +1.0	5.0 +1.1 / 16.5
6.0	16.5 / 4.9 +1.1	4.9 +1.1	4.9 +1.1 / 16.5
5.9	16.5 / 4.9 +1.0	4.7 +1.2	4.9 +1.0 / 16.5
5.9	16.5 / 4.9 +1.0	4.5 +1.4	4.6 +1.3 / 16.5
5.8	16.5 / 4.7 +1.1	4.4 +1.4	4.3 +1.5 / 16.5
5.7	16.5 / 4.5 +1.2	4.2 +1.5	4.3 +1.4 / 16.5

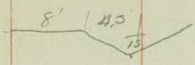
Sta	+	X	−	Grade
		922.57		
4	+00			17.0
	+50			17.0
5				17.1
	+50			17.1
6				17.2
	+50			17.2
7				17.3
	+50			17.3
8				17.4
T.P.		3.60	921.86	4.32	918.26
	+50			17.4
9				17.5

Cor. Road	Lt.	Ct.	Rt.
5.6	16.5 / 4.7 +0.9	4.6 +1.0	4.4 +1.2 / 16.5'
5.6	16.5 / 4.4 +1.2	4.5 +1.1	4.8 +0.8 / 16.5
5.5	16.5 / 4.9 +0.6	5.0 +0.5	4.7 +0.8 / 16.5
5.5	16.5 / 4.9 +0.6	5.4 +0.1	4.8 +0.7 / 16.5
5.4	16.5 / 5.0 +0.4	4.9 +0.5	5.0 +0.4 / 16.5
5.4	16.5 / 5.0 +0.4	5.1 +0.3	4.9 +0.5 / 16.5
5.3	16.5 / 5.0 +0.3	5.1 +0.2	4.9 +0.4 / 16.5
5.3	16.5 / 4.9 +0.4	5.0 +0.3	5.3 +0.0 / 16.5
5.2	16.5 / 4.8 +0.7	5.0 +0.2	5.2 +0.0 / 16.5
4.5	16.5 / 4.3 +0.2	4.4 +0.1	4.5 +0.0 / 17.5
4.4	16.5 / 4.6 +0.3	4.7 −0.3	4.8 +0.1 / 16.5

Sta		+	∧	-	Grade
			921.86		
9	+50				17.5
10					17.6
T.P.		3.90	921.69	3.57	918.29
	+50				17.6
11					17.7
	+50				17.7
12					17.8
T.P.		5.12	922.32	4.49	917.20
	+50				17.8
13					17.9
	+50				17.9
	+80	P.C. U.S.			18.0
14					18.0

Gr. Rod	Lt.	&	Rt.
4.4	16.5 / 47 / R1.2	51 / -0.7	50 / R0.9 / 16.5
4.3	16.5 / 48 / R1.0	50 / -0.7	51 / R0.7 / 16.5
Nail in Cor. Fc Post			
4.1	16.5 / 48 / R0.8	53 / -1.2	51 / R0.5 / 16.5
4.0	16.5 / 49 / R0.6	58 / -1.8	51 / R0.4 / 16.5
4.0	16.5 / 48 / R0.7	54 / -1.4	51 / R0.4 / 16.5
3.9	16.5 / 50 / R0.4	55 / -1.6	52 / R0.1 / 16.5
Top S.S. Pk.			
4.5	16.5 / 54 / R0.6	57 / -1.9	57 / R0.8 / 16.5
4.4	16.5 / 54 / R0.9	58 / -1.4	67 / -2.3 / 14.9
4.4	16.5 / 52 / R0.7	55 / -1.1	66 / -2.2 / 14.6
4.3		F.S. Cur. Set at 7.2	
4.3	16.5 / 52 / R0.6	52 / -0.9	59 / R0.8 / 16.5

Sta	+	℄	−	Grade
		922.32		
14				18.0
	+50			
15				18.1
	+50			18.1
16				18.2
	+50			18.2
17				18.3
	+50			18.3
18				18.4
T.P.	2.98	923.05	2.25	920.07
	+50			18.4
19				18.5
	+50			18.5



Gr. Road	Lt.	Rt.	Rt.
4.3	16.5 / 51 / R 0.7	50 / -0.7	50 / R 0.8 / 16.5
4.2	16.5 / 49 / R 0.8	49 / -0.7	47 / R 1.0 / 16.5
4.2	16.5 / 49 / R 0.8	50 / -0.8	47 / R 0.8 / 16.5
4.1	16.5 / 48 / R 0.8	49 / -0.8	46 / R 1.0 / 16.5
4.1	50 / R 0.6	48 / -0.7	46 / R 1.0 / 16.5
4.0	16.5 / 48 / R 0.7	48 / -0.8	44 / R 1.1 / 16.5
4.0	16.5 / 48 / R 0.7	48 / -0.8	45 / R 1.0 / 16.5
3.9	16.5 / 44 / R 1.0	44 / -0.5	46 / R 0.8 / 16.5
4.7	16.5 / 47 / 10.0	46 / 10.1	47 / 10.0 / 16.5
4.6	16.5 / 50 / R 1.1	50 / -0.4	48 / R 1.3 / 16.5'
4.6	16.5' / 50 / R 1.1	50 / -0.4	47 / R 1.4 / 16.5'

Sta.	+	H	-	Grade	
		923.05			
20				18.6	
+50				18.6	
21				18.7	
+50				18.7	
22				18.8	
T.P.	3.67	922.98	2.74	919.31	
+50				18.8	
23				18.7	
+50				18.9	
24				19.0	
+50				19.1	
T.P.	3.50	923.04	2.69	919.54	
B.M.			4.59	918.45	(918.42)

9.18.42 10/29/38

Cm Rod	Lt	Rt	Elev
4.5	16.5 / 5.2 / 1.08	5.4 / -0.9	4.9 / 1.11 / 16.5
4.5	16.5 / 5.1 / 1.09	5.2 / -0.7	5.1 / 1.09 / 16.5
4.4	16.5 / 5.1 / 1.08	5.0 / -0.6	4.9 / 1.10 / 16.6
4.4	16.5 / 4.7 / 1.12	4.6 / -0.2	4.6 / 1.13 / 16.5
4.3	16.5 / 4.6 / 1.12	4.4 / -0.1	4.4 / 1.14 / 16.5
4.2	16.5 / 4.8 / 1.09	4.7 / -0.5	4.5 / 1.12 / 16.5
4.1	16.5 / 5.1 / 1.05	5.0 / -0.9	4.9 / 1.07 / 16.5
4.1	16.5 / 5.0 / 1.06	5.0 / -0.9	5.0 / 1.06 / 16.5
4.0	16.5 / 4.9 / 1.06	4.9 / -0.9	5.1 / 1.04 / 16.5
3.9	16.5 / 4.7 / 1.02		4.6 / 1.08 / 16.5

Top Mont.

Arcade St.
Miss. St. To 624' South

B.M.	2.58	915.33		912.75	Rod
19+76				11.7	3.6
20			5.0	11.7	3.6
+50				11.6	3.7
21			5.1	11.6	3.7
+50				11.5	3.8
22			5.0	11.5	3.8
+50				11.4	3.9
23			5.2	11.4	3.9
+50				11.3	4.0
24			4.7	11.3	4.0
+50				11.2	4.1

DC 0.9	5.0 / 22.2		4.7 / -1.1	DC 1.0 4.7 / 22.8
DC 0.6	5.0 / 22.2		4.6 / -1.0	DC 1.0 4.6 / 23.0
DC 0.5	5.2 / 22.0		4.9 / -1.2	DC 1.0 4.7 / 23.0
DC 0.6	5.1 / 22.2		5.0 / -1.3	DC 0.8 4.9 / 22.6
DC 0.8	5.0 / 22.6		4.9 / -1.1	DC 1.1 4.7 / 23.2
DC 1.1	4.7 / 23.2		4.7 / -0.9	DC 1.0 4.8 / 23.0
DC 1.3	4.6 / 23.6		4.4 / -0.5	DC 1.5 4.4 / 24.0
DC 0.9	5.0 / 22.8		4.8 / -0.9	DC 1.3 4.6 / 23.6
DC 1.4	4.6 / 23.8	4.8 / 7	4.4 / -0.4	DC 1.3 4.7 / 23.6
DC 1.3	4.7 / 23.6	4.7 / 8	4.2 / -0.2	DC 1.6 4.4 / 24.2
DC 1.6	4.5 / 24.2	4.7 / 8	4.2 / -0.1	DC 1.6 4.5 / 24.2

915.33

25		5.4	11.2	4.1
+50			11.1	4.2
26			11.1	4.2

D-0.7 / 5.4 / 32.4	5.0 / −0.9	D-1.1 / 5.0 / 23.2
D-1.2 / 5.0 / 23.4	4.1 / +0.1	D-1.8 / 4.4 / 24.6
D-1.4 / 4.8 / 23.8	3.7 / +0.5	D-1.8 / 4.3 / 24.8