

OFFICE OF COUNTY ENGINEER
RAMSEY CO. MINN.

Road Map Survey

E. SHORE DRIVE

From W. City Limits To East Side
Phalen Lake Larpenteur Ave

Road Acc't. No. 82

Date Filed.....

File.....

Road No 82

East Shore Drive

Outside City Limits from
West Side Phalen Lake

To

East Side & Larpentour

Stadler

Lunzer

Wadell

1 of 14 Pages.

①

Jan - 19 40

9+97.71 P.T.

$$T = 77.41$$

$$D = 10^{\circ} R+$$

$$\Delta = 15^{\circ} 22' 05''$$

$$L = 153.68$$

$$R = 573.69$$

8+44.03 P.C.

7+15.71 P.T.

$$T = 107.78$$

$$D = 14^{\circ} Lt.$$

6+13.22 P1 $29^{\circ} 26' 15''$

$$\Delta = 29^{\circ} 26' 15''$$

$$L = 210.27$$

$$R = 410.28$$

5+05.44 P.C.

2+35.30 P.T.

$$T = 46.90$$

$$D = 15^{\circ} R+$$

1+89.13 P1.

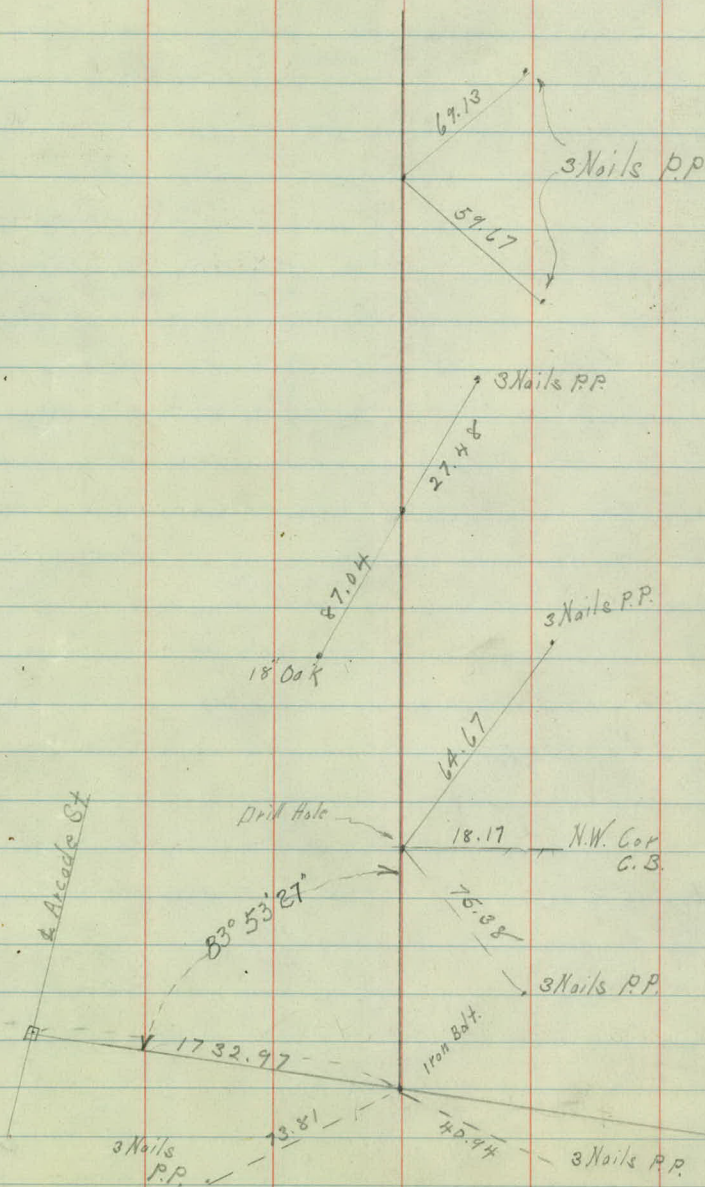
$$\Delta = 13^{\circ} 57' 40''$$

$$L = 93.07$$

$$R = 383.06$$

1+42.23 P.C.

0+00



(3)

13+79.95 PT.

12+76.83 P1

$$T = 120.64$$

$$D = 18^{\circ} \text{ Rt.}$$

$$\Delta = 41^{\circ} 21' 25''$$

$$L = 229.76$$

$$R = 319.62$$

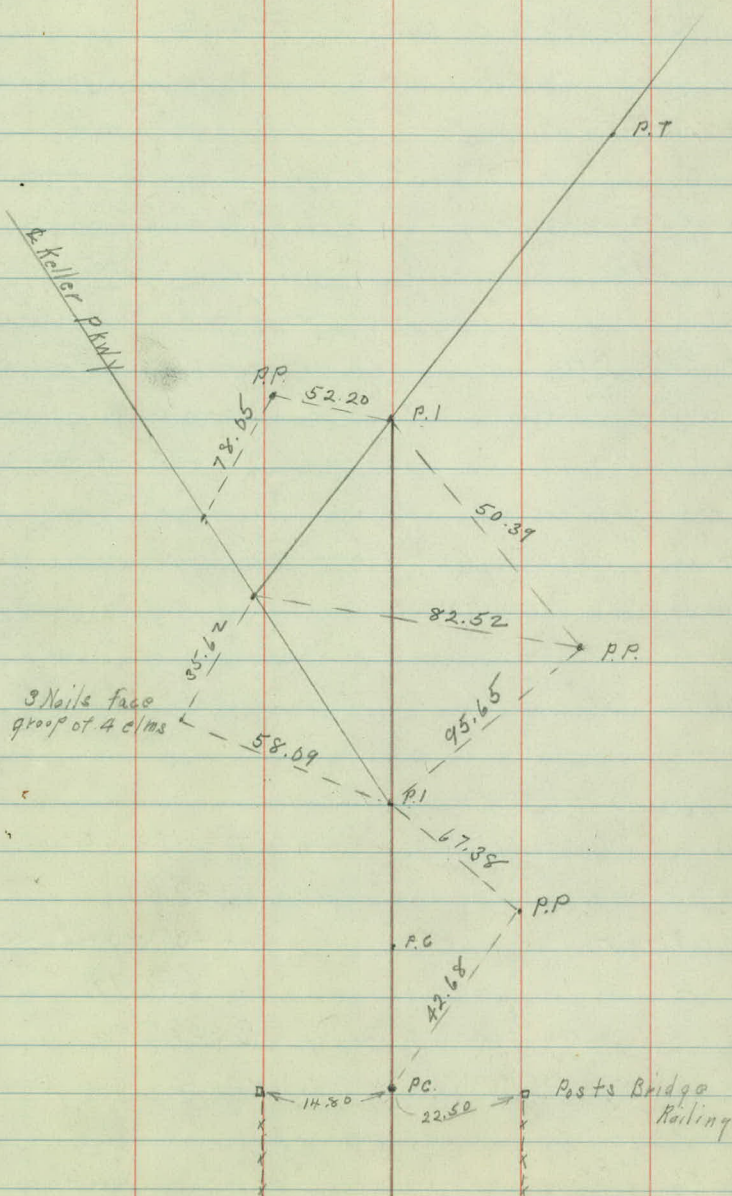
$$\text{Ext. } 22.17$$

11+ P1 To Keller Pkwy

11+50.19 P.C

10+ P.C To Keller Pkwy

4



(5)

18+85.31 P.T

$$T = 96.36$$

$$D = 10^\circ \text{ Rt.}$$

17+90.98 P.I

$$\Delta = 19^\circ 04' 08''$$

$$L = 190.69$$

$$R = 573.69$$

16+94.62 P.C

16+01.12 P.T

$$T = 115.62$$

$$D = 20^\circ \text{ Rt.}$$

14+97.97 P.I

$$\Delta = 43^\circ 45' 17''$$

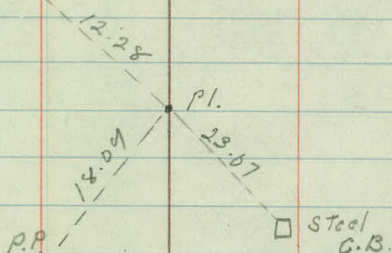
$$L = 218.77$$

$$R = 287.94$$

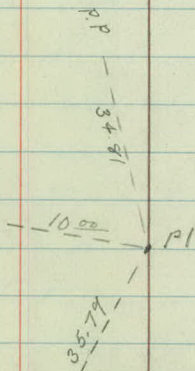
13+82.35 P.C

②

3 Nails Top End
G.R. Post



20" Oak



①

29+70.49

P.T.

$$T = 275.94$$

$$D = 6^\circ R+$$

$$\Delta = 32^\circ 13' 13''$$

$$L = 537.01$$

$$B = 955.37$$

27+09.42

P.I.

29+33.48

P.C.

24+06.65

$\frac{1}{4}$ Line

22+25.48

P.T.

$$T = 145.34$$

$$D = 6^\circ R+$$

$$\Delta = 17^\circ 18' 02''$$

$$L = 288.34$$

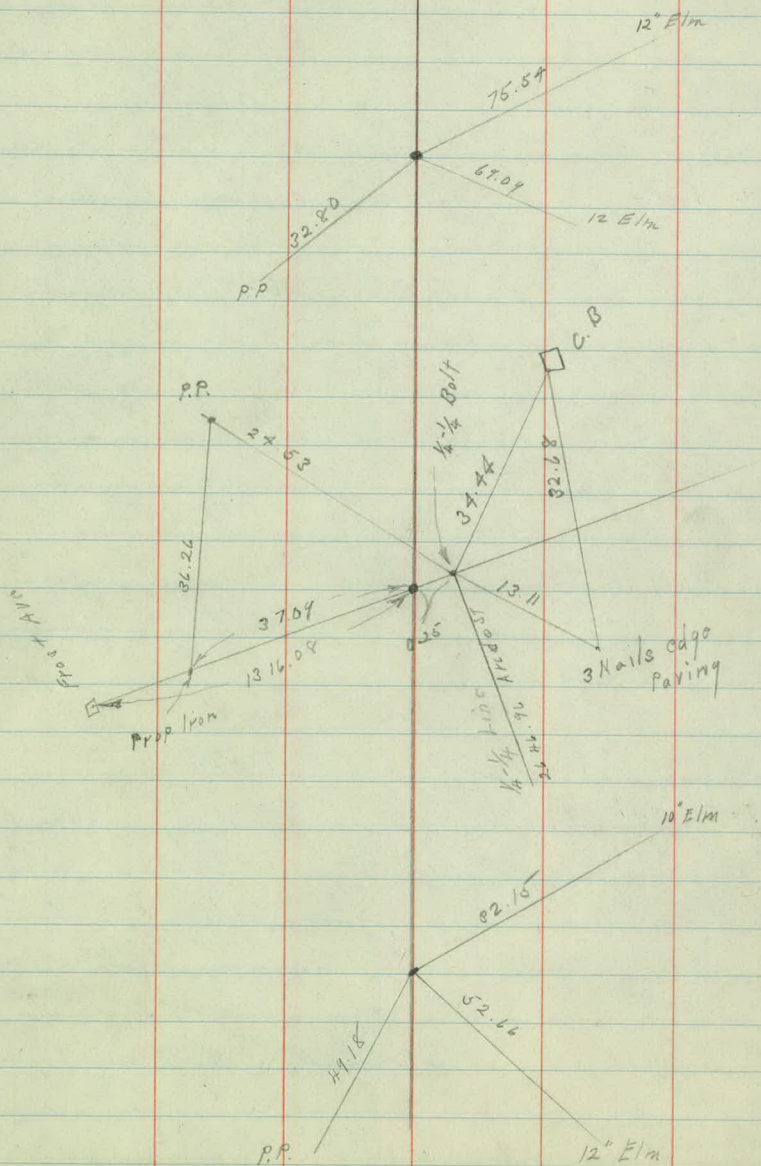
$$B = 955.37$$

20+82.48

P.I.

19+37.14

P.C.



(9)

$$D = 14^{\circ} Rk$$

$$T = 133.54$$

$$\Delta 36^{\circ} 03' 27''$$

$$L = 257.55$$

$$R = 410.28$$

$$36 + 46.97 \quad PI$$

$$D = 8^{\circ} Lt$$

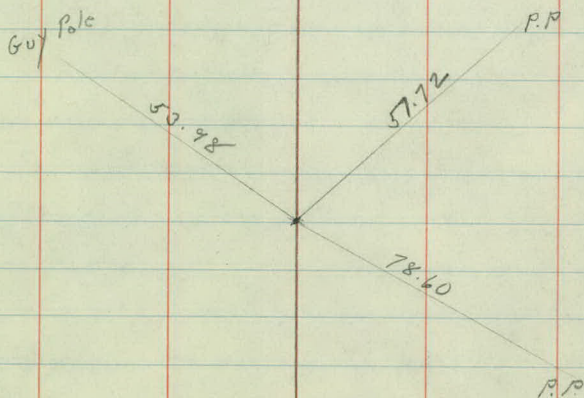
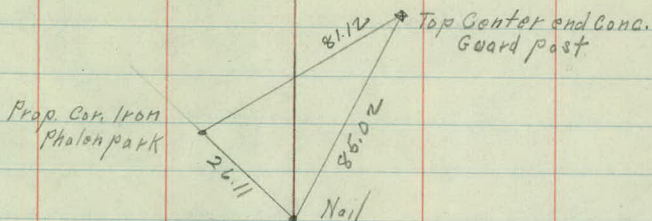
$$T = 121.95$$

$$\Delta = 19^{\circ} 18' 40''$$

$$L = 241.39$$

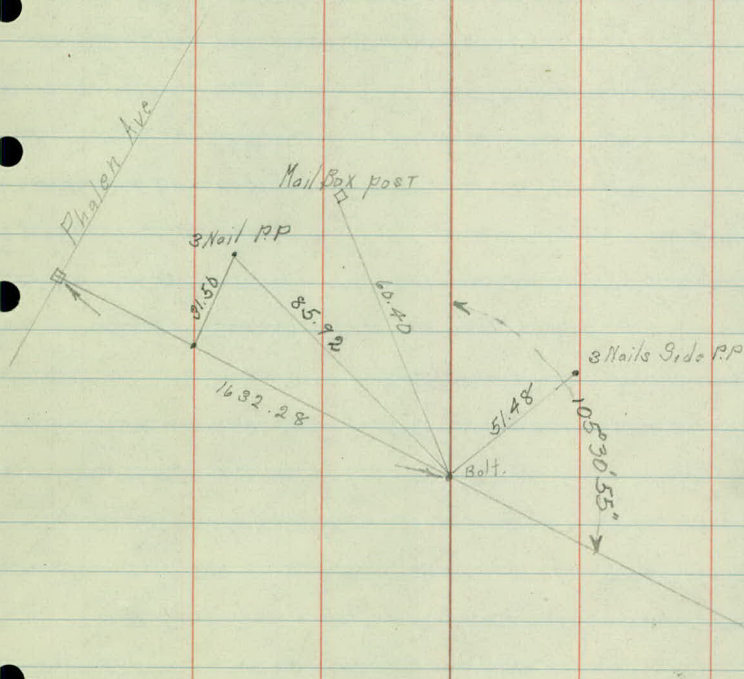
$$R = 716.78$$

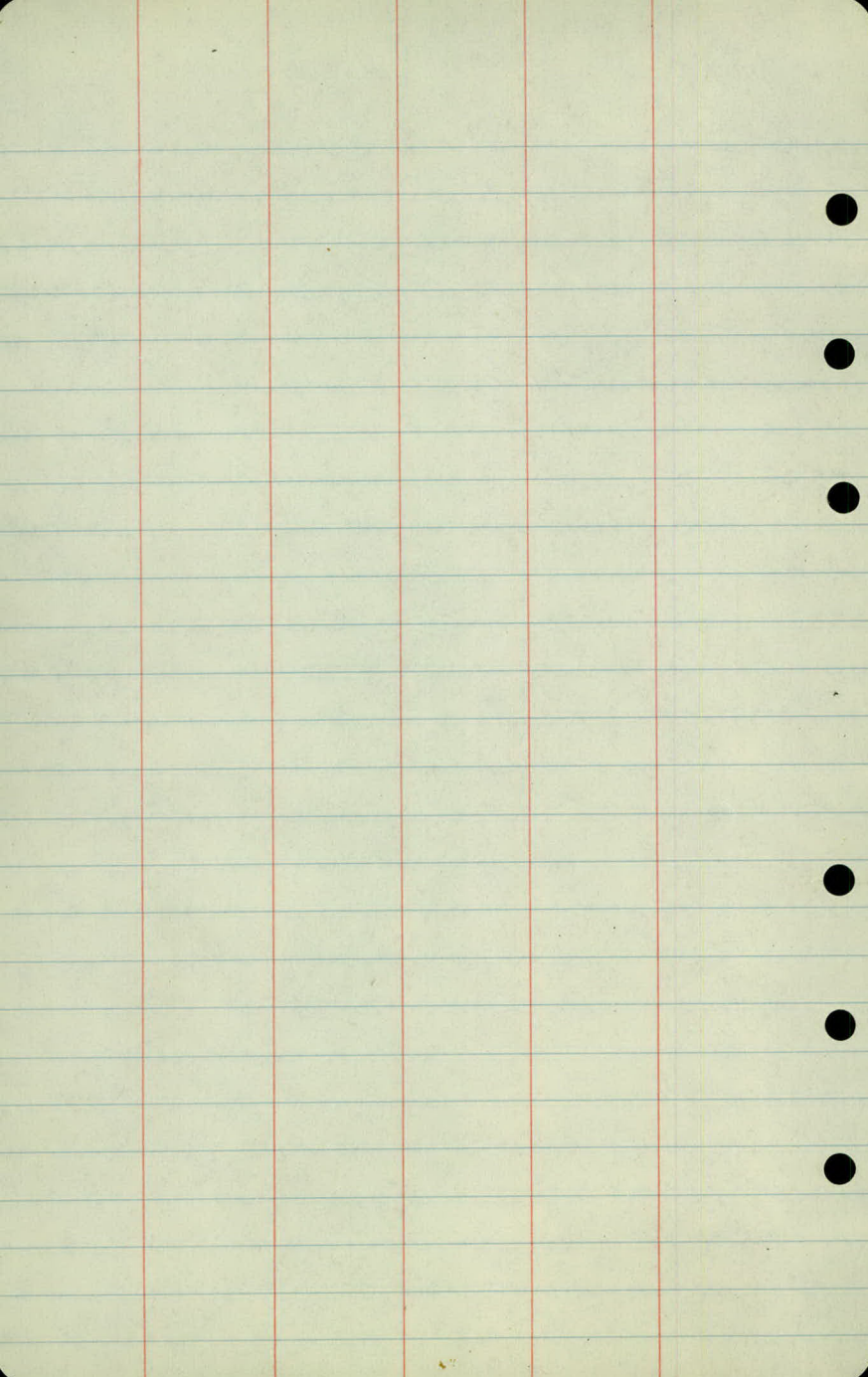
$$32 + 74.56 \quad PI$$



(11)

41+19.91 Section Line





Started Jan 29 - 1940
completed Feb 13 - 1940

1.

Topog - Notes

East Shore Drive

	LT.	RT.	
10+89		13.8	begin Gutter 2.2 wide
+88 begin Gutter	14.0		
10+88 end Steel Railing	15.2	22.0	end Steel Railing
+ end wood PLANK floor			begin black top Road
+74.5 end Girder	15.5	15.5	end Steel Girder
+15.5 begin Steel Girder	15.5	15.5	Steel Girder
+02. bridge Rail	15.0	22.1	bridge Railing
10+01.5 end black top begin wood PLANK bridge Floor			
10+01.5 Gutter end 1.8 wide	15.0	13.9	end Gutter 1.8 wide
+50 Gutter + Road	14.0	13.3	Gutter + Road
9+00 Gutter + Road	14.0	13.9	Gutter + Road
+44.05 P.C.			
8+00 Gutter + Road	13.9	13.9	Gutter + Road
+80 E. Road	44.0		
20 E 80 E Rd intersects			
7+00 Gutter + road	13.4	13.8	Gutter + road
+95		23.0	No Parking Sign
6+00 Gutter + road	13.2	14.3	Gutter + Road
5+00 face Gutter + edge B. Top	13.9	13.9	face Gutter + edge black top
4+00 Gutter + Road	13.6	14.0	Gutter + Road
3+00 Gutter + road	13.6	14.0	Gutter + Road
2+00 face Gutter + road	14.0	14.0	face Gutter + road
+81		12.5	Catch basin 2.1 x 1.7
1+32 Slow Sign	19.6		Steel Grate
1+00 face Gutter - black top	14.2	14.8	face Gutter - black top
+84 end curbing	16.1		
+83.5 Gutter 2.2 wide		17.7	end curbing Gutter 2.2 wide
+76 - 1 curb + begin	16.0	18.3	curb + black top
1.8 Gutter			begin 1.8 conc. Gutter
+50 curb + black top	23.5	22.5	curb + black top
0+00		29.5	curb + edge black top

0+00 North City Limits - Carpenter Ave

3

Span Bridge

7.5

59.0

1.2

7.6

Wood Plank floor

Steel railing

Gutters and

Black top

Xo parking sign

C.B.

Gutter 1.8 wide concrete

end

carb

black

Curb

Show stop sign

Iron Bolt

Feb-9-1990

All topog in cores at B+A to back to right

10/5/94

4.		LT.	RT.	
20+00	Gutter & Road	13.8	13.8	Gutter & Road
+38.32 P.C.				
19+00	Gutter & Road	13.8	13.8	Gutter & Road
+85.99 P.T.				
+17 20° Driveway To Dump				
18+00	Gutter & Road	13.8	13.8	Gutter & Road
+96 end Guard Rail				
+80				
+78				
17+50	Guard Rail Cable	21.4	13.2	Catch Basin in Gutter! end of 18° corr. pipe from C. Basin
+95.60 Gutter & Road				
Guard Rail Cable M.O.				
+95.60 P.C.				
+58 Side Road Sign				
+61.08 P.T.				
16+00	Guard Rail Cable	19.3	14.2	Gutter & Road
+50 Gutter				
+50 Guard Rail				
15+00	Gutter & Road	13.9	13.8	Gutter & Road
+59 begin Guard Rail				
+55½ Driveway				
+41 ½ 13° Driveway intersects Line E.S. Drive				
14+00	Gutter & Road	13.9	14.3	Gutter & Road
+82.42 P.C.				
+80.81 P.T. Gutter & Road				
+50 Gutter & Road				
+75 Gutter & Road				
+12				
21.2 No Parking Sign				
13+00	Gutter & Road	46.5	13.8	Gutter & Road
13.8				
12+00				Gutter & Road
11+49.35	P.C. Gutter & Road	18.5	14.0	Gutter & Road
+25				
15.8 14.0				
11+00				
14.8 13.5				

Feb - 1940

5.

↳ 30th Driveway

DUMP

DRIVEWAY

See Notes this side See

~~Keller Brk way Notes~~
~~atoc Keller Pkwy = 10 + 80~~

~~Choc~~ Miller Hwy = 10 + 86.67 077

East - Warp Drive Notes

8. 17.8 17.8

Side Rd
Sign

No-Wood Guard Posts - Woven Wire Cable

Gr in gutter drain into lake

Gutters - Corrugated 2.2 wide

All measurements to inside edge of cutter

Male

• No parking
6:30

		LT.	Pt	
29	+ 72.25 P.T. Gutter & Road			Gutter & Road
29	+ 00 Gutter	13.9	13.8	Gutter
	+ 92		10.8	No Parking Sign
28	+ 00 Gutter & Road	14.0	13.9	Gutter & Road
	+ 37		36.6	end of 18" Conn Pipe
	+ 36 cm Catch	16.7		
	+ 34 Gladstone Rd Sign	32.8		
	+ 34 Prop iron Ripley & Phalen Park Limb	32.8		
	+ 02 & Ripley	36.0		
27	+ 00 Gutter & Road	13.9	13.7	Gutter & Road
	+ 96 App. & Ripley			
	+ 66 Group 15 Mail Boxes	20.7		
	+ 08		18.0	No Parking Sign
26	+ 00 Gutter & Road	13.8	13.8	Gutter & Road
25	+ 00 Gutter & Road	13.8	13.8	Gutter & Road
				center of
	+ 41		15.0	1.5 x 2.0 Catch Basin
			37.5	end 18" Conn. Outlet
	+ 34.47 P.C. Gutter & Road	13.4	14.0	Gutter & Road
24	+ 07.96 1/4 lime			
	+ 2 Adelle Ave			
24	+ 00 Gutter	14.0	13.8	Gutter
23	+ 00 Gutter & Road	13.7	13.9	Gutter & Road
	+ 26.93 P.T. Gutter			Gutter
22	+ 00 Gutter	13.8	14.0	Gutter
21	+ 00 Gutter	13.8	13.9	Gutter
20	+ 56 & 10° Driveway			

7

Lake
Malawi

E. Corcoran

 $\pm 10^\circ$ driveway

LT & E.		end of Survey	
41 + 19.91	⊕ Carpentier		
+19		52.1	Guard
41 + 0.3	Gutter ends	47.0 52.1	Gutter Guard Post
+88	Gutter	31.5 46.5	Gutter Guard Post
+71	Gutter	23.8 42.7	Gutter Guard Post
+54	Gutter	18.1 38.0	Gutter Guard Post
+46	Gutter	16.2 32.4	Gutter Guard Post
+37	Gutter	15.2 30.3	Gutter Guard Post
+29	Gutter	13.9 27.3	Gutter Guard Post
+21		23.8 20.0	Gutter Guard Post
+12		21.0 17.3	Guard Post Gutter
+03		19.0 15.3	Guard Post Gutter
40 + 00	Gutter & Road	13.3 14.8	Gutter & Road
+94		18.1	L in G.E. Line - Post
39 + 00	Gutter & road	13.5 14.0	Gutter & Road
		18.3	chain for G.E. Rail
38 + 00	Gutter	13.8 13.8	Gutter
+41		17.5	chain & Guard Post
		24.4	Side Road Sign
37 + 19		16.2	begin Guard Rail Conc. Posts
			9.0 on centers with
			9.7 of 1/2" welded chain
37 + 00	Gutter & Road	13.8 13.8	Gutter & Road
34 + 14.50	P.C. Gutter & Road	13.9 13.7	Gutter & Road
33 + 95.07	P.T. Gutter & Road	13.8 14.0	Gutter & Road
+53.8 ^{RG}	Gutter & Road	13.8 13.8	Gutter & Road
+27		14.7	Gr. Catch Basin in Gutter
+27		30.0	and 18" corr pipe drain
31 + 00	Gutter & Road	13.8 13.8	Gutter & Road
+90 10 ⁶	Drive way	39.0	
+63	⊕ Drive way	48.2	
+75	Prop iron	57.5	
+43.5	So. P.L. Sophia intersects		
+04.5	Prop iron No Side Sophia	46.3	
30 + 00	Gutter & Road	13.8 13.8	Gutter & Road

Completed Feb - 14 - 1940

Feb - 1940

9

Gutter
2.2 wide

Gutter line

All Guard Post
Concrete & spaced
approximately 90

Top paving to

Black

Gutters both side
Road 2.2 wide

C.B.

