

Dr. 8 - Bk. 159

OFFICE OF COUNTY ENGINEER
RAMSEY CO. MINN.

Levels Survey

SHIELYS GRAVEL PIT

From..... To.....

Road Acc't. No.

Date Filed 12-29-38 File.....

SNELLING

AVE.

ARONA

N. PASCAL

HOLTON

N. HAMLINE AVE.

5

4

3

2

1

170'

140'

7

6

21

20

8

10'

9

22

23

19

Top Bank

Typical section Along Track.

Top Bank

Approx 1 1/2 : 1 slope
to Bottom of Pit.

10

15'

11

27

26

25

18

15'

Note - ○ indicates number and location
of rod readings.

12

15'

13

28

29

30

17

10'

14

12'

15

35

32

70' Approx

31

16

45'

Levels

Shidys Gravel Pit

4 pages

Sta.	+	-	Elev.
B.M.	5.44	205.44	200.00
①		7.72	197.72
2		5.92	199.52
3		4.98	200.46
4		3.72	201.72
5		3.56	201.88
6		9.8	195.64
7		8.7	196.74
T.P.	7.05	209.83	202.78
8		3.51	206.32
9		4.4	205.43
T.P.	6.20	213.77	207.57
10		3.62	210.15
11		4.5	209.27
T.P.	6.45	217.71	211.26

11/30/38
K. H.
L. B. H.
L. C.
M. d. G.

1

Description

Top Hyd. N.E. Cor. Sackling Ave & Wynne St

10' N. of E. of N. Track.

15' N. of E. of N. Tracks

Sta.	+	Σ 217.71	-	Elev
12			4.84	212.87
13			6.6	211.11
T.P.	3.87	218.20	3.38	214.33
14			3.44	214.76
15			4.3	213.90
B.M.			4.36	213.84
T.P.	7.14	211.55	13.79	204.41
16			7.2	204.35
T.P.	10.27	221.54	0.28	211.27
17			3.0	218.54
T.P.	2.06	217.11	6.49	215.05
18			3.3	213.81
T.P.	1.30	208.88	9.53	207.58
19			4.2	204.68
T.P.	3.25	202.31	9.82	199.06
B.M.			2.39	199.92
				200.00

Description

12' N. of E. of N. Tracks

12' N. of E. of N. Tracks

Top Hyd. N.E. Cor. Hamling Ave. & McKenty St.

Top Hyd. N.E. Cor. Snelling Ave & Wayne St.

Sta.	+	π	-	Elev	
B.M.	0.49	200.49			200.00
T.P.	3.10	191.06	12.53	187.96	
T.P.	2.61	183.93	9.74	181.32	
20			6.0	177.93	
21			10.2	173.73	
23			12.6	171.33	
24			+1.0	184.93	
T.P.	13.67	186.28	11.32	172.61	
25			3.8	182.48	
26			2.6	183.68	
T.P.	11.70	195.51	2.47	183.81	
27			4.6	190.91	
28			1.8	193.71	
29			9.9	185.61	
T.P.	7.45	192.37	10.59	184.92	
30			2.9	184.47	
31			4.8	187.57	

Description

Top Hyd. N.E. Cor. Snelling Ave & Wynne St.

Sta.	+	π	-	Elev.
		192.37		
32			4.4	187.97
T.P.	11.79	199.67 199.65	4.49	187.88 187.86
33			3.5	196.17
T.P.	11.91	211.50 211.48	0.08	199.59 199.57
T.P.	6.96	215.72 215.70	2.74	208.76 208.74
B.M.			1.85	213.87 213.85
				(213.84)

Description

Top Hyd. N.E. Cor. Hamline Ave + 190th Kenty St.

