Dr 11 - BK 27

OFFICE OF COUNTY ENGINEER
RAMSEY CO. MINN.

PLAN Survey

Garden Ave.

From ℄ Pascal Ave. To ℄ Ham Line Ave.

Road Acc't. No.

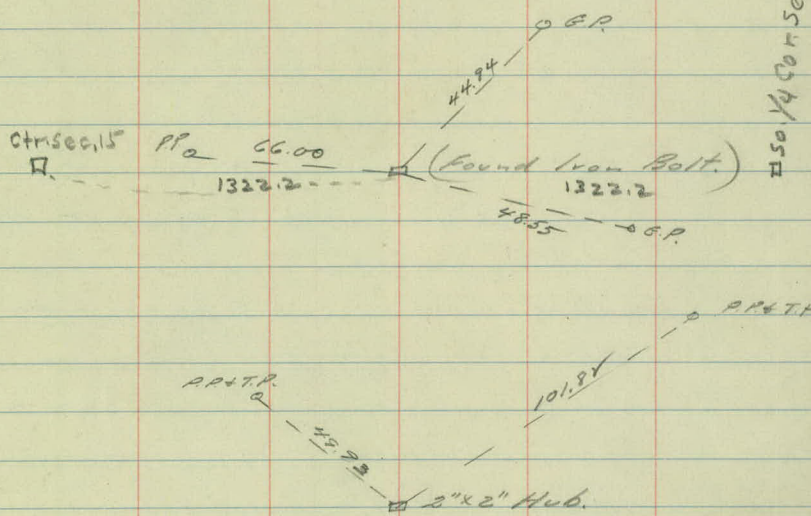
Date Filed File

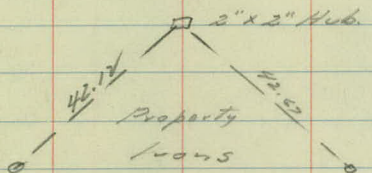
Garden ~~St.~~ Ave

From E Pascal St.
to E Hamline Ave.

Angle

Sta.	Point	Lt.	Rt.
13+27.55	P.I.		
14+53.70	P.O.T.		
0+00	P.O.T.		Bscal Arc.


Ctr Sec. 15
PP
66.00
1322.2
(Found Iron Bolt.)
1322.2
S. 1/4 Cor Sec. 15
44.94
G.P.
48.55
G.P.
PP & T.P.
101.84
PP & T.P.
49.92
2"x2" Hub.


2"x2" Hub.
42.14
72.62
Property
Lines

Garden St.

Pascal to Hamline

6+00

5+00

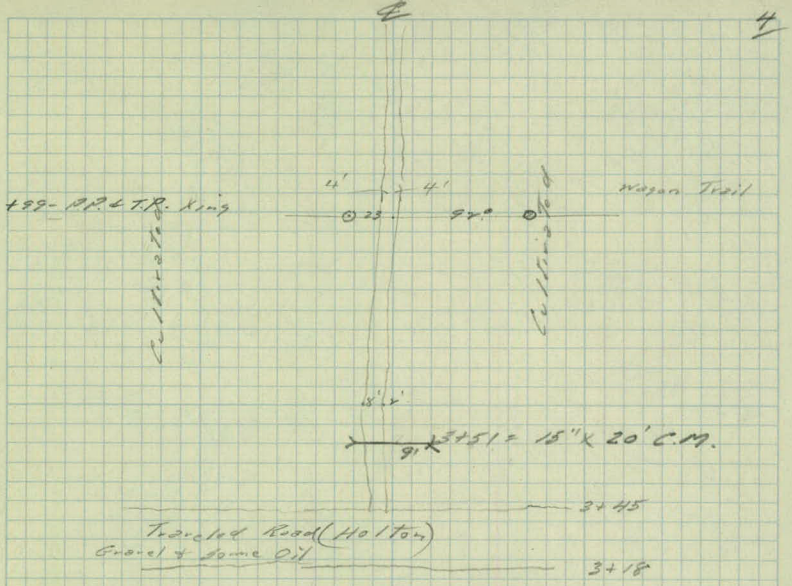
4+00

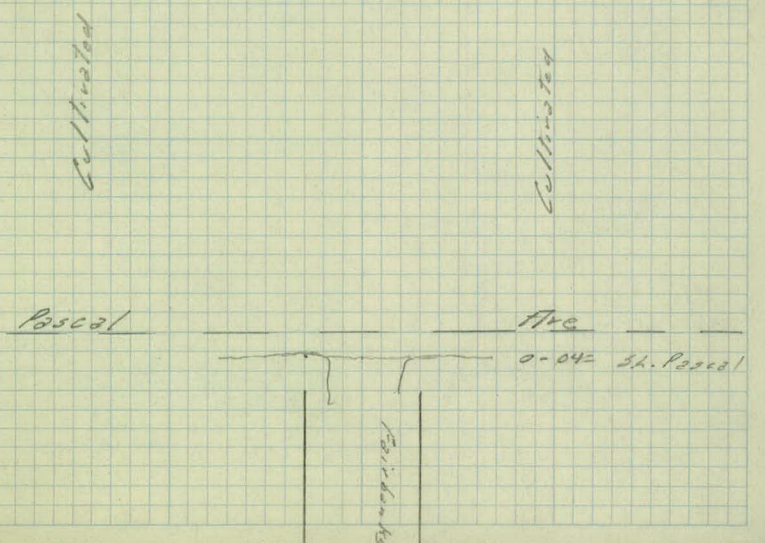
3+00

2+00

1+00

0+00


℄
4'
4'
Wagon Trail
439- P.R.R. T.R. Xing
23°
92°
℄ Utilities
℄ Utilities
18" x
91'
3+51 = 18" x 20' C.M.
3+45
Traveled Road (Hot Top)
Gravel & some Oil
3+18


℄ Utilities
℄ Utilities
Rascal
Fire
0-04= St. Rascal
Telephone

13+00

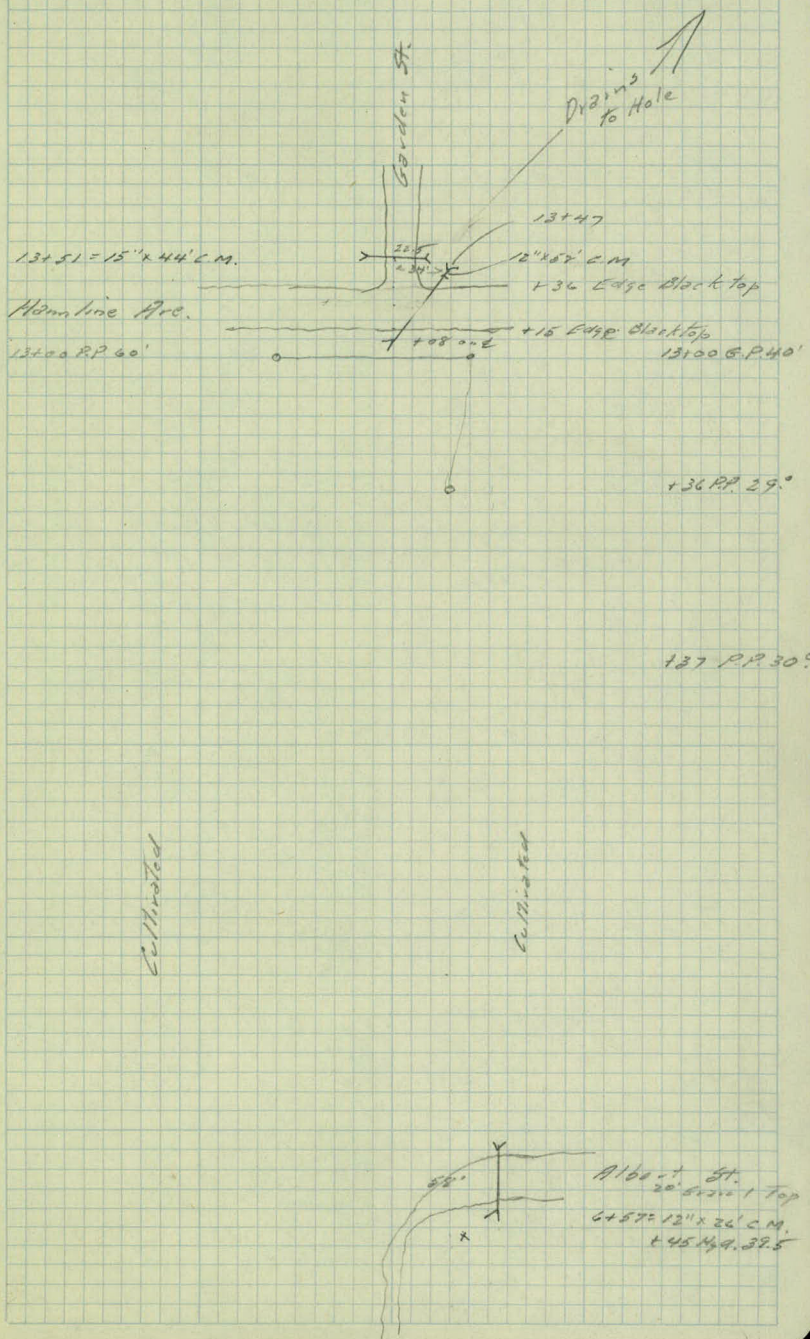
12+00

11+00

8+00

7+00

6+00


Graham St.
Drain to Hole
13+47
12"x 57' C.M.
+36 Edge Black Top
+15 Edge Black Top
+08 ℄
13+51 = 15"x 44' C.M.
Hdm line Arc.
13+00 R.P. 60'
13+00 B.P. 40'
+36 R.P. 29°
137 R.P. 30°
Centerline
Centerline
Alley ℄
20' Gravel Top
6+57 = 12"x 24' C.M.
+45 Mg. 32.5'

Garden St.

Pascal Ave. to Hamline Ave

Sta.	+	H.I.	−	Elev
B.M.	3.68	956.45		952.77
0-30				952.0
0-03				51.2
0+00				50.1
0+10				47.5
0+30				46.0
0+73				44.9
1+00				45.1
+50				46.3
2+00				48.3
+50				49.1
3+00				49.5

Lt. C Rt.

Top of Iron. N.W. Cor. Pascal & Fairbanks

3.4/50 3.9/30 4.7/28 4.3/17 5.4/15 5.4/13 5.2/17 5.0/10 4.5/ 4.7/12 5.2/14 5.2/16 4.8/17 4.7/28 4.1/30 3.5/50

4.7/50 5.4/34 5.3/ 4.8/44 4.6/50

6.2/50 6.8/30 6.4/ 6.2/20 5.7/50

7.4/50 8.4/16 9.0/ 8.1/30 7.3/50

9.1/50 9.9/23 10.5/ 10.9/28 10.0/50

10.4/50 11.1/28 11.6/ 11.8/27 11.6/50 Low Pt Ho

10.1/50 11.1/24 11.4/ 11.6/29 11.5/50

5.2/50 9.6/23 10.2/ 10.0/50

9.1/50 8.2/ 7.0/50

8.5/50 7.7/35 7.4/ 6.7/50

7.8/50 7.2/26 7.0/ 7.6/26 7.2/50

Sta.	+	=	−	Elev.
		956.45		
3+09				947.6
3+15				47.6
3+18				48.2
3+31				48.7
3+44				48.6
3+48				49.2
3+51	15" C.M.			
3+55				49.7
3+65				50.5
4+00				53.6
4+50				55.0
T.P.	4.09	959.34 ✓	120	955.25 ✓
5+00				55.0
+50				53.0

Lt. | C | Rt.

9.5/50 | 9.1/25 | 8.9/ | 8.9/50

9.5/50 | 9.1/25 | 8.9/ | 8.9/50

8.3/50 | 8.3/ | 8.2/50

7.8/50 | 7.8/ | 7.8/50 | E Troy Road

8.4/50 | 7.9/ | 8.1/50

9.7/50 | 8.3/38 | 8.5/10 | 7.6/8 | 7.3/ | 8.3/15 | 8.0/50

1-2 9.8 | 1-4 9.8

8.5/50 | 8.8/20 | 8.4/10 | 7.1/8 | 6.8/ | 7.0/6 | 8.3/9 | 8.8/50

4.4/50 | 6.0/17 | 5.9/9 | 6.0/ | 6.0/5 | 6.4/11 | 8.2/50

1.9/50 | 3.0/14 | 3.5/1 | 8.9/0 | 6.7/50

+0.2/50 | 0.4/14 | 0.9/3 | 1.5/ | 2.3/5 | 5.0/50

2.2/50 | 2.6/11 | 2.9/6 | 4.3/ | 4.3/14 | 7.0/50

5.6/50 | 8.5/38 | 6.0/4 | 6.3/ | 7.1/11 | 9.1/50

Sta.	+	H.I. 959.34	-	Elev.	
6+00				949.5	
6+54				48.4	
+59	C.M. Culvert Rt.				
+61				48.4	
+71				48.2	
+80				48.1	
+88				48.1	
7+00				48.1	
+50				47.9	
8+00				49.5	47.2
+50				47.1	
9+00				47.2	

Lt. ℄ Rt.

9.0/50 9.3/25 9.8/ 10.7/17 11.4/50

10.3/50 10.4/16 10.9/ 11.5/15 12.0/22 12.3/50

Inr. East End. 12.1/ Inr. W. End 12.0

10.6/50 10.9/ 11.2/14 11.2/50

10.6/50 11.1/ 11.1/8 10.9/50

10.6/50 11.2/ 11.3/50

10.6/50 11.2/ 11.8/30 12.2/50

10.8/50 11.2/ 12.2/50

11.5/50 11.4/ 11.5/26 12.2/50

12.2/50 12.1/ 11.8/13 12.1/50

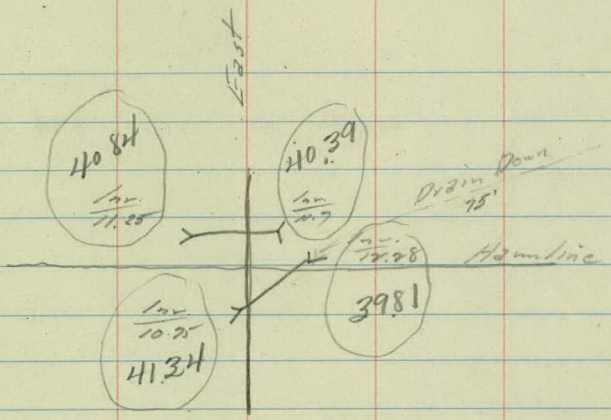
12.5/ 12.2/ 11.5/50

12.4/50 12.1/ 11.3/14 11.2/50

Sta.	+	=	-	Elev.
		959.34		
T.P.	4.20	954.09	11.45	947.89
9+50				47.2
10				47.6
+50				48.0
11+00				47.7
+50				47.5
12+00				46.6
+50				44.3
13+00				42.1
+05				41.8
+08				41.8
+10				42.4
+27.5	Harmline Ave.			42.8

L.	C	R.
5.9/50	4.9/	4.0/17 3.8/50
5.4/50	4.5/	4.1/11 3.9/50
4.8/50	4.1/	4.1/50
5.2/50	4.4/	4.1/30 4.0/50
5.6/50 4.8/24	4.6/	4.4/30 4.5/50
6.5/50 5.9/27	5.5/	5.2/50
8.4/50	7.8/	7.1/17 7.0/50
9.5/50 9.3/24	9.0/	8.4/20 9.1/50
10.4/50 10.5/28	10.3/	9.8/22 9.4/50
10.4/50 10.5/28	10.3/	9.8/22 9.4/50
9.5/50	9.7/	8.4/50
9.2/50	9.3/	9.4/50

Sta.	+	H	−	Elev.
		954.09		
B.M.	8.83	954.09 ✓	8.83	943.26 ✓
T.P.	11.45	958.91 ✓	4.43	947.66 ✓
B.M.			6.14	954.77 [954.77]



Spike in G.P. at S.E. Cor. Hamline & Garden

Top Iron N.W. Cor Fairbanks & Pascal

GARDEN AVE.

Slope Stakes.

Tor. N.End End Culv.

5 Pages

Sta.	+	H	−	Grade	
B.M.	3.29	956.06			952.77
0+00				51.0	
+10				50.9	
+30				50.8	
+73				50.4	
1				50.2	
+50				49.8	
2				49.4	
+50				49.0	
T.P.	7.26	956.45	6.87	949.19	
3				48.6	
+65				48.6	
4				48.5	
T.P.	5.62	959.83	2.24	954.21	

A: 00 = 20.5 Bookstone - 2.1
Cotton = 23.3
Slope: 3.1 — 18' Top

Cor. Rod	Lt	Ø	Rt
Top Iron N.W. Cor. Pascal & Fairbanks			
5.1			
5.2			
5.3	25.3 / 9.4 / -9.1	10.1 / -9.7	10.6 / -5.3 / 28.9
5.7	28.0 / 10.7 / -5.0	11.1 / -5.4	11.1 / -5.4 / 29.2
5.9	26.8 / 10.5 / -4.6	11.0 / -5.8	11.1 / -5.8 / 30.0
6.3	22.0 / 9.3 / -3.0	9.7 / 3.4	9.9 / -3.6 / 23.8
6.7	20.9 / 8.0 / 10.2	7.8 / -1.1	7.0 / 10.1.2 / 22.9
7.1	23.1 / 7.3 / 7.3	7.0 / 10.1	6.4 / 10.7 / 24.9
7.9	24.9 / 7.2 / +0.7	7.0 / 10.9	7.6 / 10.3 / 24.1
7.9	29.9 / 4.7 / +3.2	6.0 / 11.9	7.9 / 10.5 / 24.5
8.0	31.1 / 2.7 / 15.3	4.0 / 13.0	5.5 / 12.5 / 28.5

Slope Stake Lt

Sta	+	Δ	−	Grade
		959.83		
4	+50			48.4
5				48.3
	+50			48.2
6				48.1
	+54			48.0
	+61			48.0
	+71			47.9
	+80			47.9
	+88			47.8
7				47.8
T.P		1.21	952.66	8.38	951.45
	+50				47.6

DP.00 = 20.5
Cut00 = 23.5 2.45/90c
18"Top - 3:15/90c

Cr Rod	Lt	Rt	Rt
11.4	39.5 / 3.4 / +8.0	4.9 / +6.5	7.1 / +9.3 / 31.0
11.5	40.5 / 3.0 / +8.5	4.7 / 6.8	6.9 / +5.1 / 30.9
11.6	35.1 / 5.8 / +5.8	6.9 / +4.7	8.8 / +2.8 / 29.1
11.7	29.9 / 9.5 / +2.2	10.3 / +1.4	11.3 / +0.4 / 24.3
11.8	25.9 / 10.8 / +1.0	11.5 / +0.3	+50 11.8 / +00 / 23.5
11.8			
11.9			
12.0	25.1 / 11.2 / +0.8	11.8 / +0.2	11.9 / +0.1 / 23.7
Top Hyd Rt			
5.1	25.1 / 4.3 / +0.8	4.7 / +0.4	4.7 / +0.9 / 24.3

Sta	+	H	−	Grade
		952.66		
8				47.4
	+50			47.2
9				47.0
	+50			46.8
10				46.6
T.P.	3.30	951.40	9.56	948.10
	+50			46.4
11				46.1
	+50			45.3
12				44.8
	+50			43.8
13				42.7

K.00 = 20.5'
Cut 00 = 23.5' 2:1 Slopes
18' Top - 2:1 Fill Slopes
Ditch = 4.5' Deep

7/17/58
K.D.
R.R.
L.C.
M.W.G.

Gr Rod	Lt		Rt	
5.3	23.5 / 5.3 +0.0	5.4 -0.4	5.0 +0.3	/ 24.1
5.5	24.1 / 5.2 +0.3	5.5 +0.0	4.7 +0.8	/ 25.1
5.7	24.5 / 5.2 +0.5	5.4 +0.3	4.3 +1.2	/ 25.9
5.9	23.7 / 5.8 +0.1	5.5 +0.4	4.4 +1.3	/ 26.1
6.1	25.3 / 5.2 +0.9	5.1 +1.0	4.9 +1.2	/ 25.9
5.0	26.7 / 3.9 +1.6	3.5 +1.5	3.5 +1.5	/ 26.5
5.3	26.1 / 4.0 +1.3	3.7 +1.6	3.5 +1.8	/ 27.1
5.9	26.9 / 4.2 +1.7	4.1 +1.8	3.8 +2.1	/ 27.7
6.6	25.9 / 5.4 +1.2	4.9 +1.7	4.2 +2.4	/ 28.3
7.6	23.9 / 7.4 +0.2	7.0 +0.6	6.4 +1.2	/ 25.9
8.7	23.7 / 8.6 +0.1	8.3 +0.5	8.0 +0.1	/ 23.7

Sta	+	π	-	Grade	
		951.40			
13	+05			42.6	
	+08			42.5	
	+10			42.5	
B.M.			8.18	943.22	943.26

Gr. Rod	Lt	&	Rt

Spk. in Guy Pole S.E. Cor. Hamline & Goodell Ave