

BK.50 Dr.12A

OFFICE OF COUNTY ENGINEER
RAMSEY CO. MINN.

Plan.....Survey
Fenton St., Walter St. to Charles St.,
Walter St.,

From Gordon Ave. To Frost Ave.

Road Acc't. No.....

Date Filed 7-25-47

File.....

PLAN SURVEY

FENTON ST.

Walter St. to Charles St.

Revised 4/18/47 WB

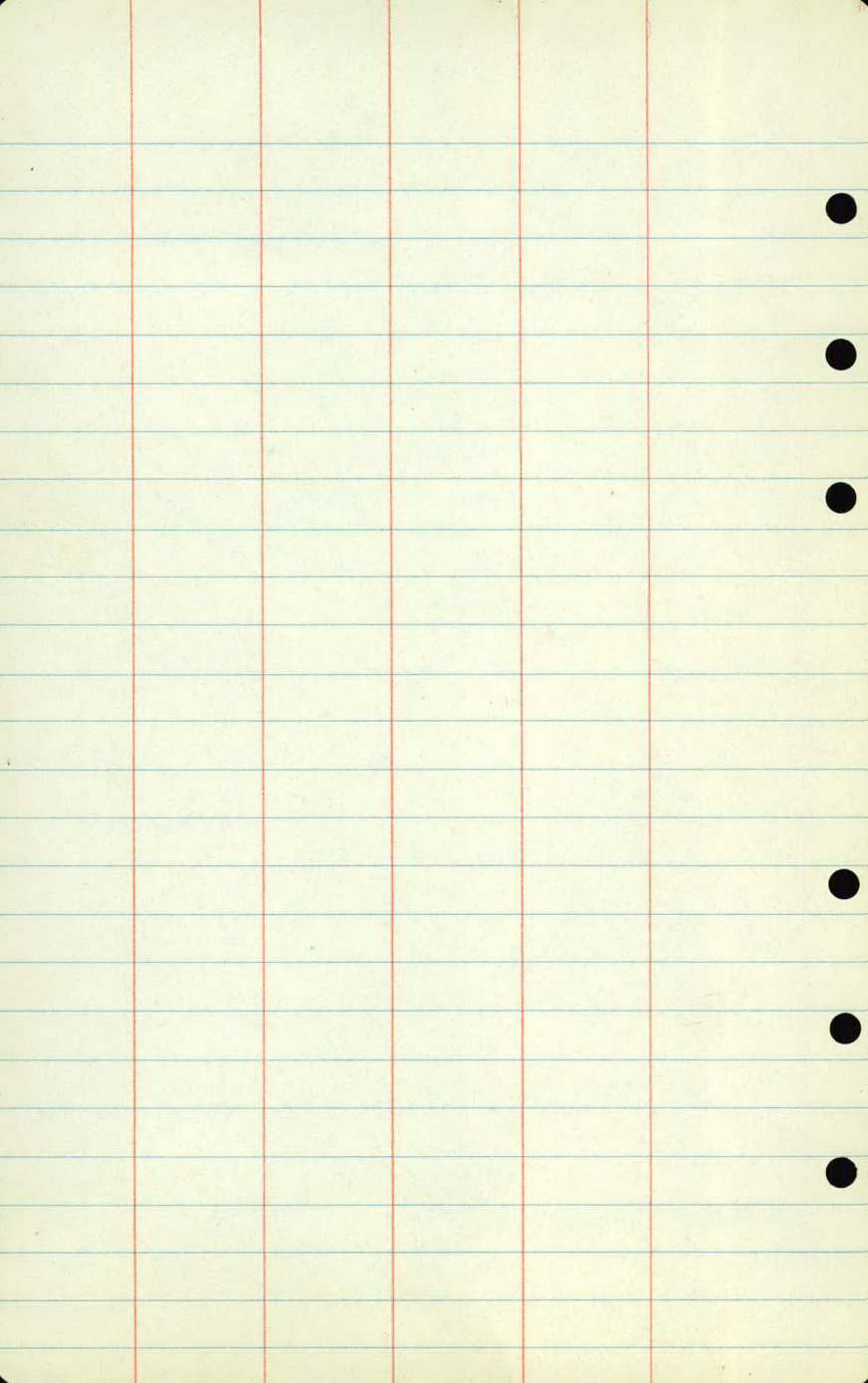
INDEX

Align 1-2

Topog. 3-4

X Sections 5-7

4-17-47



1

Alignment

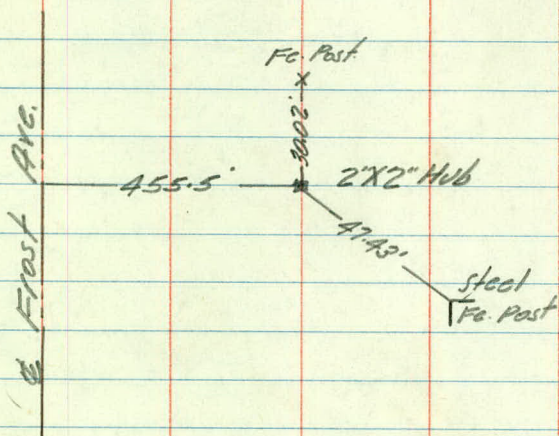
9 +20.0 = 4 Charles St.

0 +00 P.O.T. = 4 Walter St. = sta 6+40.02

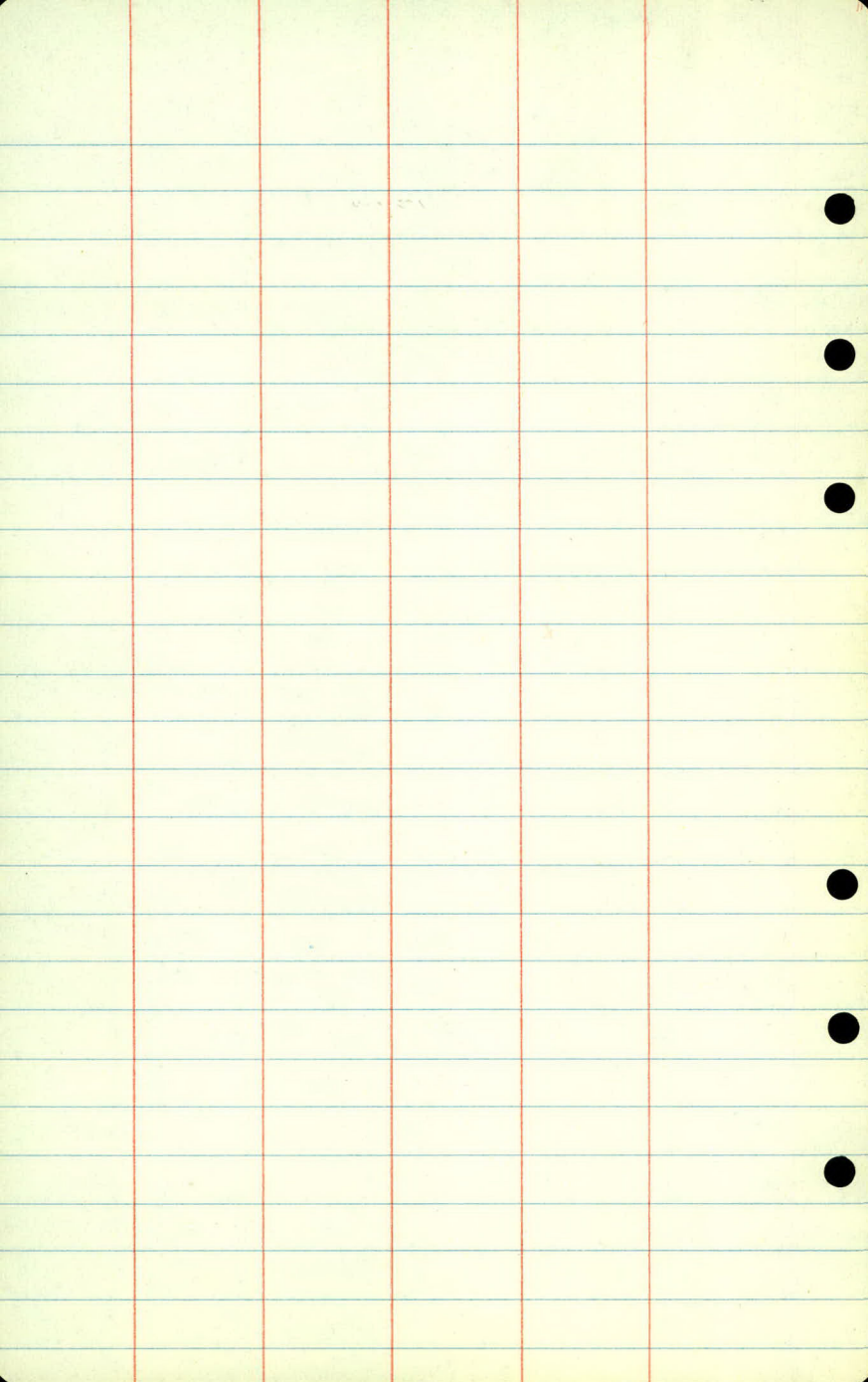
L.A.
A.M.
E.K.

4-17-41

2



2'X2' Hub



Topography

+50-Feet 03

+35 Shoulder Line

+30 Travelled Road

+16

+10 = Shoulder Line

3

2

1

0

+95-12. Cor -3'

Fe. 3'



X Sections

Sta	+	π	-	Elev
T.B.M.	6.41	909.97		(903.56)

0-50				01.1
------	--	--	--	------

-1 +00				01.2
--------	--	--	--	------

0-50				02.8
------	--	--	--	------

-2 +00				03.9
--------	--	--	--	------

0-50				06.7
------	--	--	--	------

-3 +00				06.4
--------	--	--	--	------

0-50				04.2
------	--	--	--	------

Drops sharp to west

0 +00				03.0
-------	--	--	--	------

+30				03.4
-----	--	--	--	------

+70				04.5
-----	--	--	--	------

1 +00				05.5
-------	--	--	--	------

L

E

R

Top Iron N.E. Cor. Walter + Fenton (note perm. BM)

9.2	9.2	8.9	9.5	11.6	✓
50	25	—	23	50	

6.2	8.2	8.8	10.1	12.3	L
50	21	—	25	50	

4.3	5.7	7.2	9.9	11.1	✓
50	20	—	28	50	

4.9	6.1	13.4	✓
50		50	

0.8	3.3	13.5	L
50		50	

4.3	3.6	14.1	L
50		50	

7.22	5.8	17.1	✓
50		50	

7.8	7.8	7.3	7.0	6.8	7.8	8.3	L
50	22	12		17	40	50	

6.0	6.5	6.6	7.1	8.1	L
50	24		25	50	

4.4	4.6	5.5	6.7	7.7	✓
50	28		26	50	

5.8	4.8	4.5	5.2	6.4	L
50	27		24	50	

Sta	+	-	Elev.
		909.97	

1+25			05.0
------	--	--	------

+56			01.5
-----	--	--	------

+82			98.8
-----	--	--	------

2			99.0
---	--	--	------

+50			02.0
-----	--	--	------

3			05.4
---	--	--	------

+03			04.7
-----	--	--	------

+08			04.9
-----	--	--	------

+10			06.1
-----	--	--	------

+20	CHARLES ST.		06.3
-----	-------------	--	------

T.P	11.22	909.80	11.39	898.58
-----	-------	--------	-------	--------

B.M			3.55	906.25
-----	--	--	------	--------

L

E

R

CENTER
POCKET

9.1	6.7	5.0	4.6	4.7	5.4	✓
50	29		19	33	50	

13.4	12.4	10.5	8.5	7.0	6.9	✓
75	50	26		32	50	

11.8	11.5	11.2	10.6	9.7	✓
50	33		20	50	

10.6	10.8	11.0	11.2	11.0	10.6	✓
50	27		18	34	50	

6.2	6.5	8.1	8.0	8.9	9.2	✓
50	39	7		22	50	

4.8	5.0	4.6	4.9	4.8	✓
50	22		26	50	

4.8	4.9	5.3	5.4	5.9	✓
50	27		24	50	

4.8	4.9	5.1	5.6	5.9	✓
50	27		24	50	

3.9	3.9	3.9	3.9	3.7	✓
50	23		26	50	

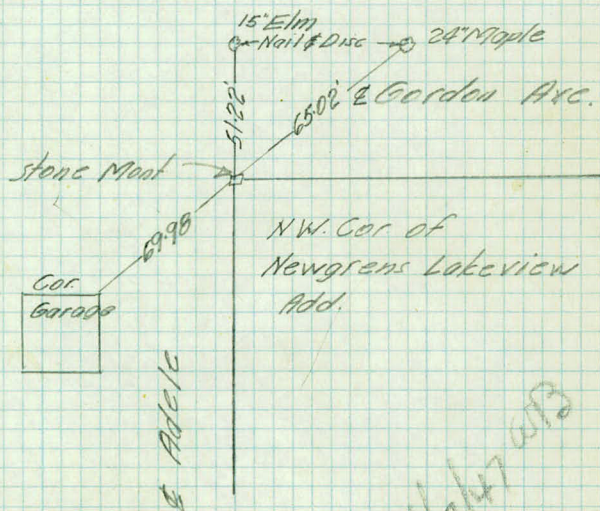
4.7	4.4	4.3	3.7	3.6	3.9	3.5	4.0	6.0	8.0	8.6	✓
250	200	150	100	50		50	100	150	200	250	

TOP SEC - COR IRON CEN. SEC/6

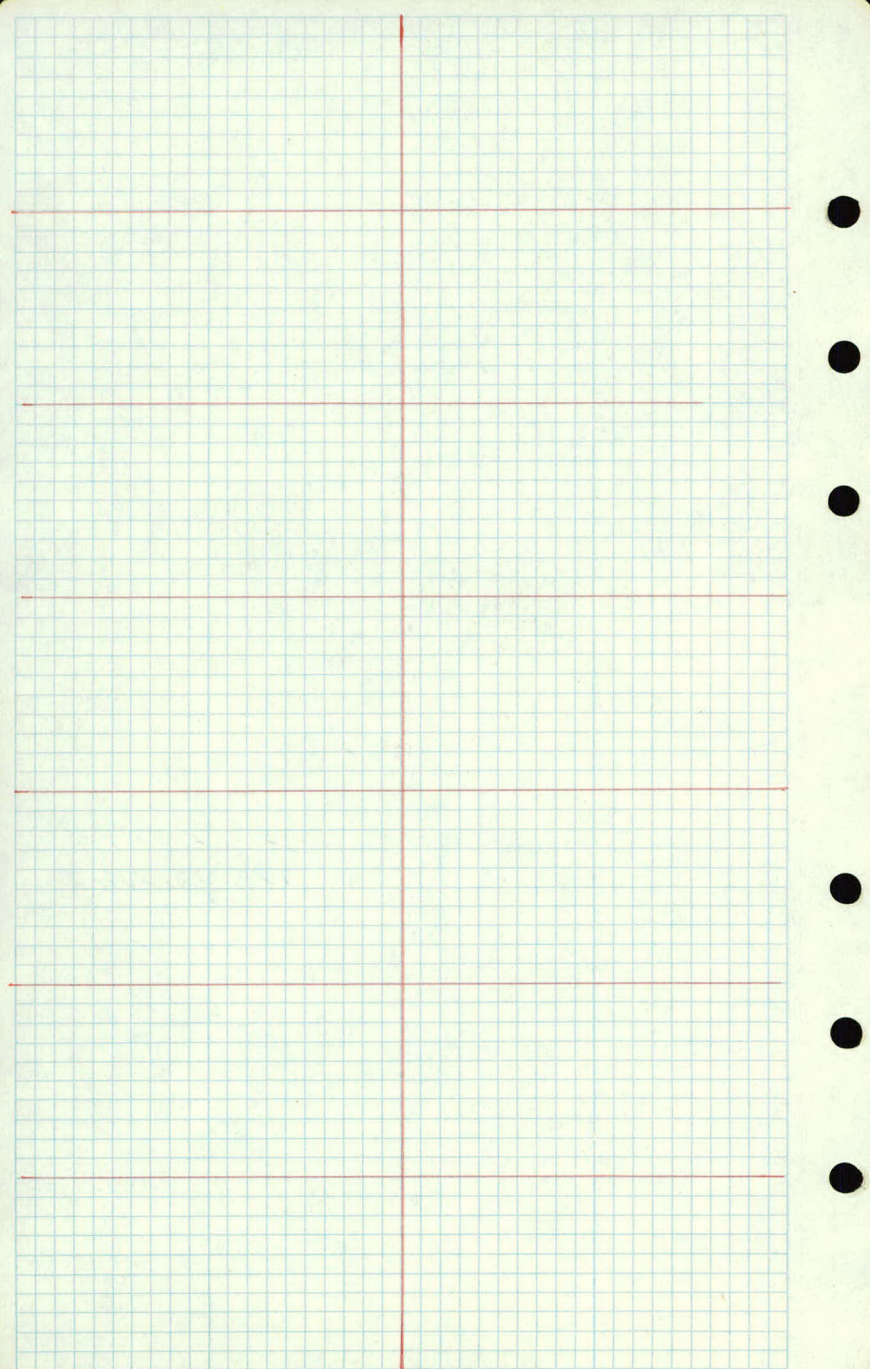
Sta + π - Elev

Ties to stone mont. on Prop. Line
at SE. Cor. of Adele & Gordon

Please put in tie book.



Rec'd 4/17/47 WFB



PLAN SURVEY

WALTER ST.

Gordon Ave to Frost Ave.

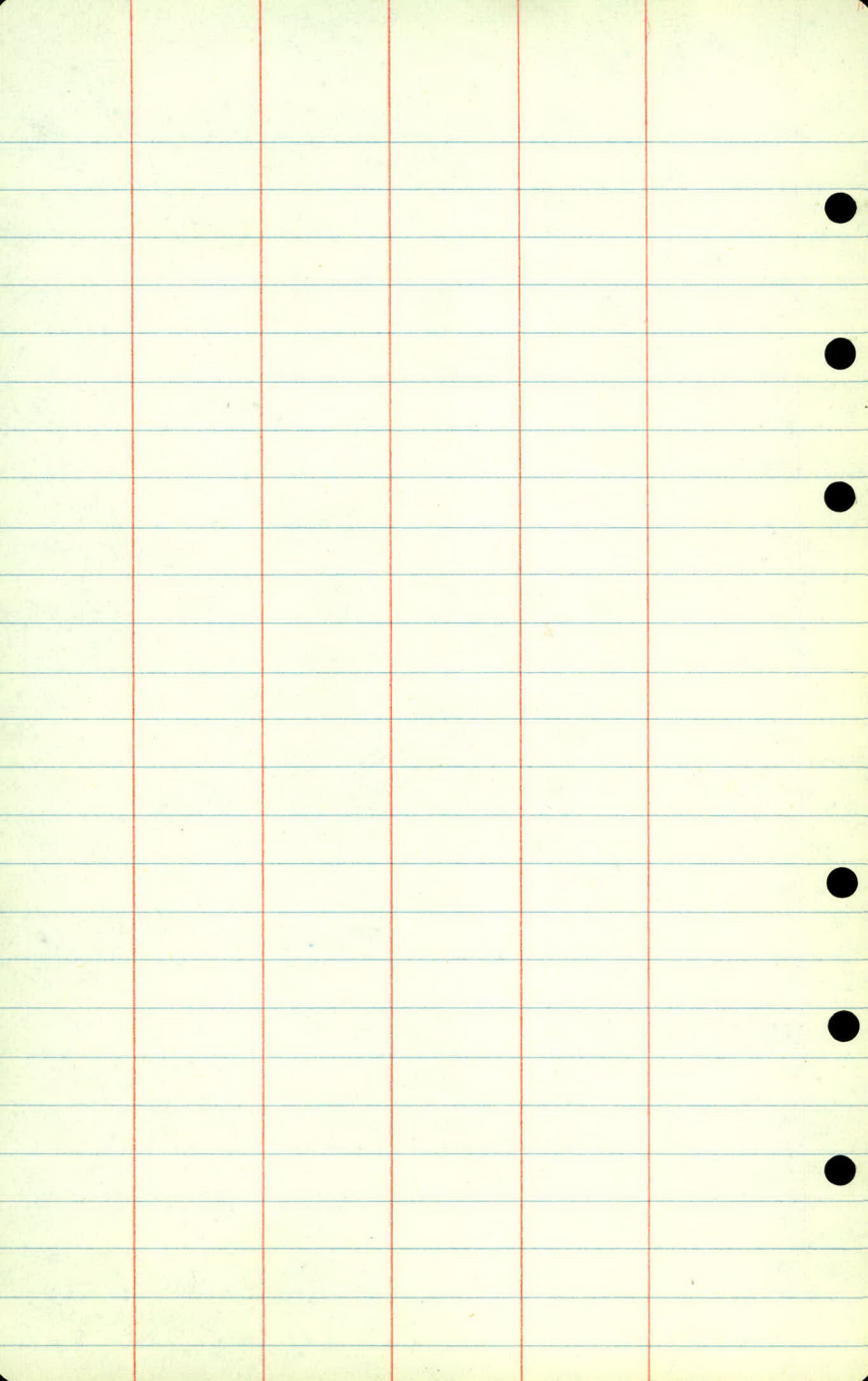
INDEX

Align 1-2

Topog. 3-5

XSections 6-12

Stadia 13-14



1

Alignment

Sta Point

10+95.52 = E Frost Ave.

6 +40.02 P.O.T. = E Fenton St.

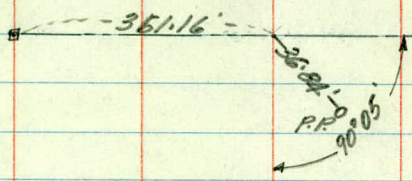
0 +00 = E Gordon Ave.

L.H.
A.M.
M.B.

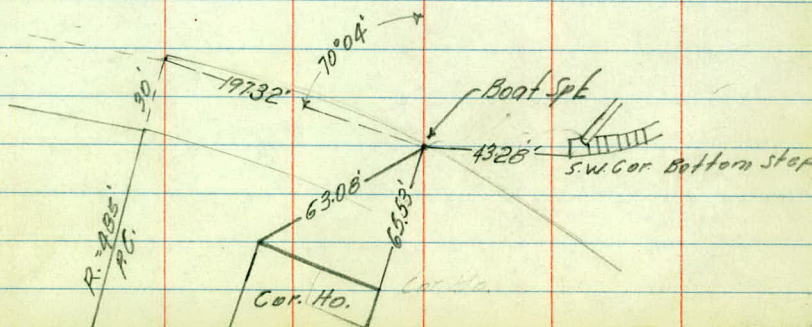
4-15-47

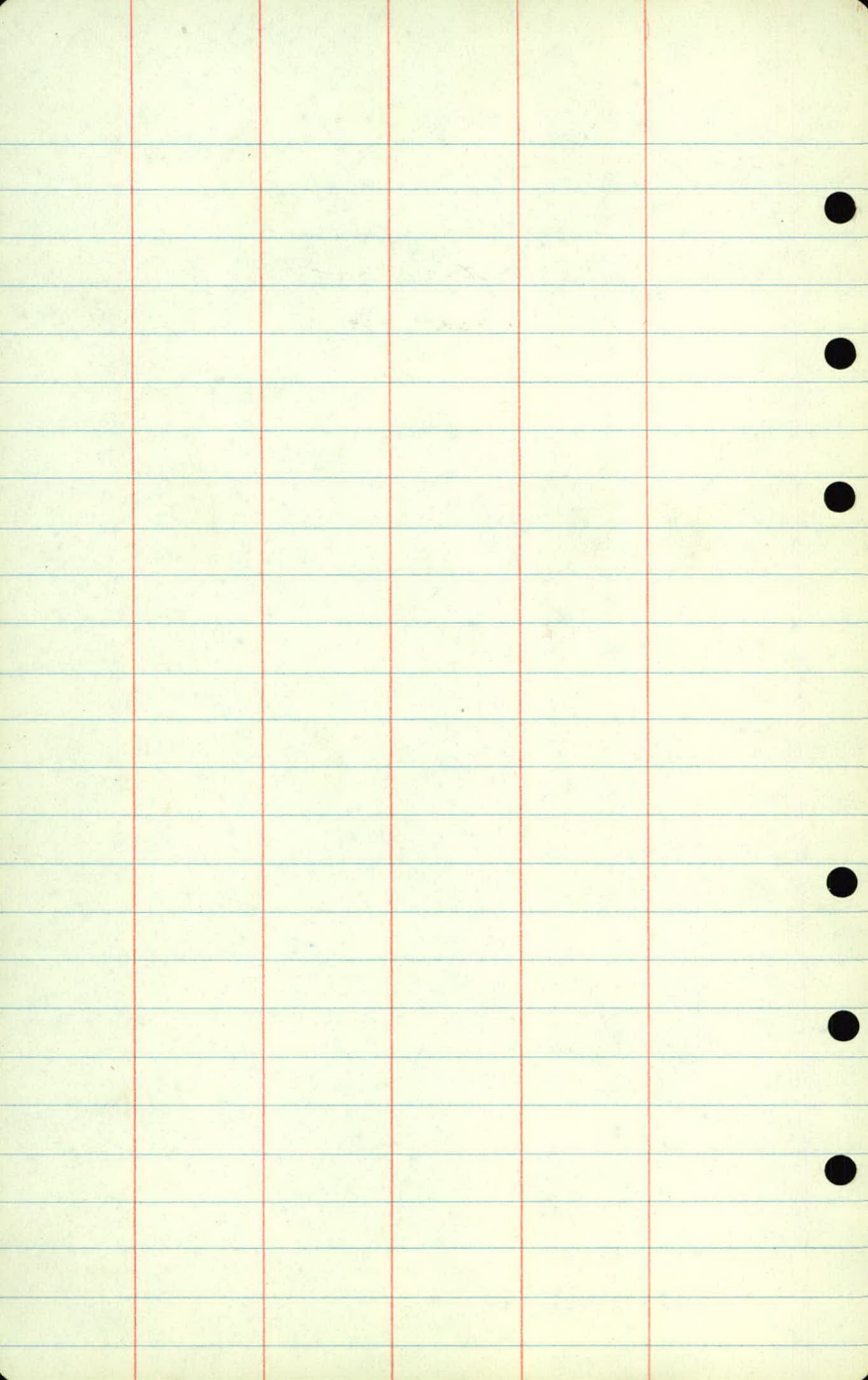
2

Ctr. Sec. 16



2" X 2" Hub





Topography
Walter

5

4

3

2

0

+67-24" Trip Cot - 42'

+46-12" Pop - 12'

+18-PP-25'

Stp - 32'

+94-4-12" BE - 20'

+77-30" Maple - 21'

+54-30" Maple - 20' B Tw Maple
32'

+18-54" 34'

+21-End Wall - 31'

+19-Cor. Ho. - 36'

2-24'

+97-End Wall - 30'

+85-24" BE - 26' 50' 45" - 33'

+87-Cor. Ho. - 60'

+78-Cor. S.W. - 28' Cor. Wall - 33'

+52-1" Pine - 24'

5' = +20' +27-1" Pine - 29' 35'

+35-Cor. Ho. - 69'

+26-Cor. S.W. - 43'

+05-Range Tie to Ho.

+35-PP - 28'

+13-Edge of Top

-12-12" C.M. - 37'

30' Long.

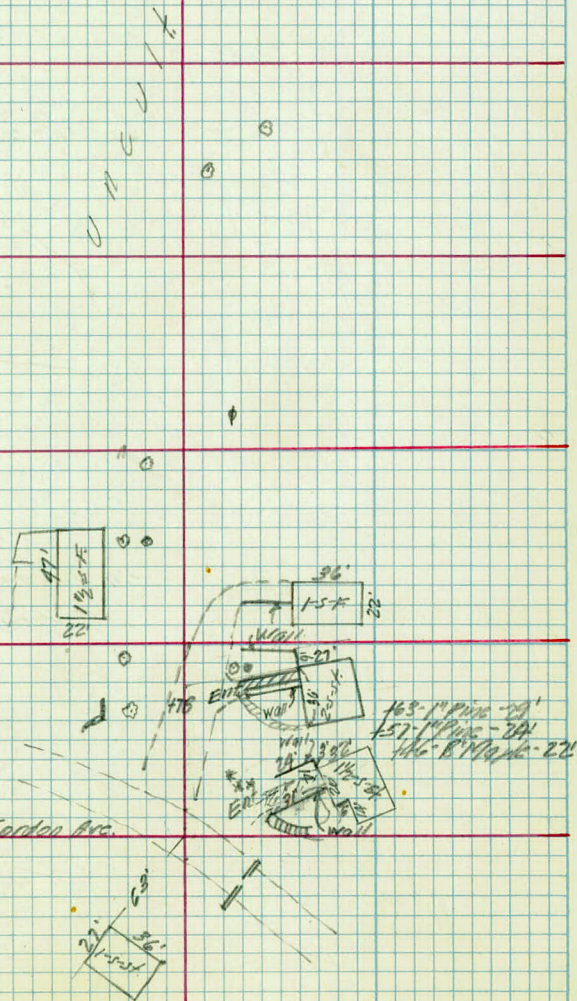
-36-12" C.M. - 20'

-11-Edge of Top

-69-Cor. Ho. - 12'

4-15-91

4



Black Top is
parallel to E of Gordon Ave.

+95.52-2 20' Pav.

+65-PP-20

10 +17-8" Pop-22'

9

+91-Cor. Row Trees-36'

+84-N.W. Cor Ho.-114'

+71-4" Elm-

+53-12" Elm-

+37-3" Plum Tr-

8

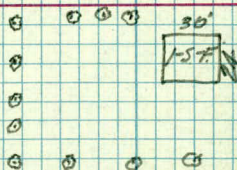
+19-Cor Row Trees-36'

7

+37-Fe Xs 2

6

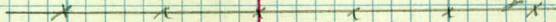
Fraser Ave.

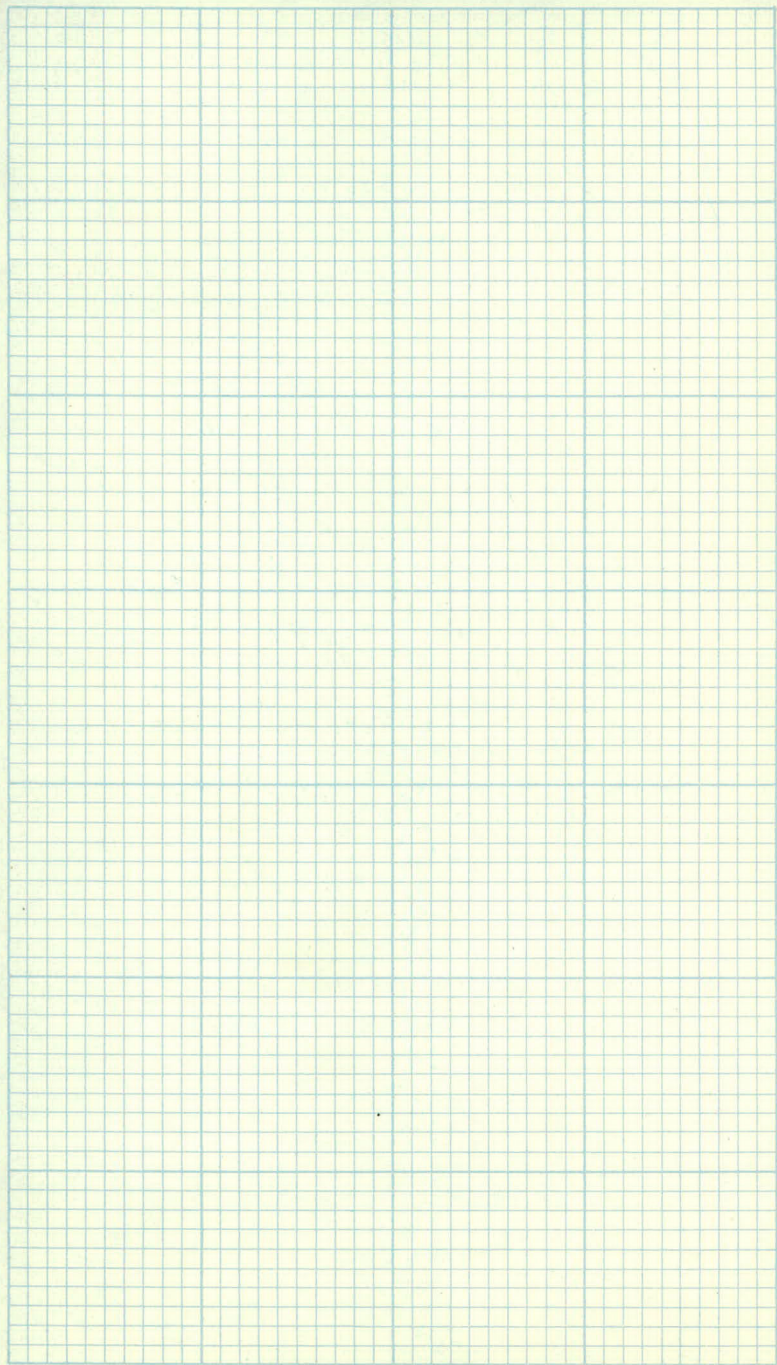


Cult.

2-strand barb

steel posts





X Sections
Walter St

Sto.	+	π	-	Elev
B.M.	4.92	888.27		(889.35)
T.P.	0.66	877.02	11.91	876.36
T.P.	5.91	873.17	9.76	867.26
T.P.	13.14	885.68	0.63	872.54
B.M.	3.30	(885.64)	3.30	882.38 (882.34)

0 - 12 FL 12" G.M.

0 + 00 Profile of Gordon Ave. 880.8.

0 + 00 80.8.

+19 79.8.

+31 79.6

+49 79.4.

4-15-47

7

L E E

Top of Iron at E East Shore Drive & Larpenteur Ave.

Projected to get this elev

Top Conc. Floor at N End of Cor. Door Ent. to Basement

N.E. Cor. Gordon Ave & Walter St. (Ho. No. = 1111)

879.38
625
37'

13 1.7 33 46 48 48 46 45 33 0.8 00
200 150 100 50 31 38 50 100 150 164

48 50 52 47 36 2.0 L
11 18 37 41 30

Cor. Conc. Ent.
48 57 58 53 40 39.5
31 7 18 38 41.5 ✓

45 51 59 41 40 55 42 1.0 ✓
50 39 32 16 13 19 50

57 60 70 63 62 57 42 2.3 10.8
50 40 23 12 11 17 30 50

Sta	+	π ✓ 88564.	-	Elev
0	+73			79.5 ✓
	+83			79.4 ✓
	+97			79.0 ✓
1				79.0 ✓
B.M.	5.94	888.20 ✓	330	882.34 ✓
	+21			78.7 ✓
	+22			78.7 ✓
	+42			78.4 ✓
	+62			78.2 ✓

K.A. 4-16-47
A.M.
M.B.

8

L

Q

R.

48 52 68 69 61 61 51 47 41 27 00 ✓
50 38 30 16 12 27 28 33 47
33

Top SW Top Wall

45 49 46 48 62 41 52 50 41 ✓
50 39 30 10 15 25 27 50

Gar. Conc. Drive

43 47 62 71 66 59 48 22 ✓
50 36 31 16 17 30 50

Dup. + 97 66 62 55 29 00 ✓
12 25 35 50

at Ho = 60 66 94 97 96 88 74 47 12 ✓
44 36 27 15 13 30 40 50

Dup. + 21 96 88 74 64 57 56 ✓
13 30 40 50

Gar. Floor

at Ho = 66 70 95 101 99 96 82 79 63 ✓
44 34 27 17 9 21 40 50

Cor. Ho.

90 88 87 101 98 101
50 48 32 24 13

97 84 69 ✓
19 39 50

Sta	+	π ✓	-	Elev
		888.29.		
2				878.7 ✓
+30				80.7 ✓
+70				81.7 ✓
3				81.7 ✓
T.P. #1	13.81	896.55.	5.54	882.74.
+35				81.3 ✓
+75				82.4 ✓
4				85.9 ✓
+35				91.5 ✓
T.P.	12.74	908.29. ✓	0.60	895.95. ✓

L

E

R

10.0 107 90 9.9
50 45 23 9

9.6 90 80 5.5 ✓
22 34 50

126 96 76
50 23

47 50 29 ✓
18 37 50

104 9.2
50 25

46 53 26 0.3 ✓
19 30 50

10.0 9.2 6.6
50 24

45 2.8 41.2 ✓
17 23 50

Top of stake sta. 3

16.9 160 15.3 14.2 11.2 7.6 ✓
50 24 11 30 50

165 153 142 134 106 7.8 ✓
50 24 15 31 50

136 11.8 10.7 9.4 8.0 6.4 ✓
50 25 15 32 50

9.7 7.5 5.1 3.5 2.3 ✓
50 30 25 50

Sta	+	π	-	Elev
		908.69		
4	+70			896.7
5				99.1
	+50			00.4
6				02.2
	+37			02.9
	+72			01.9
T. B.M.		513		908.56
7				02.4
	+35			04.1

L

E

R

188 152 120 105 106 ✓
50 28 27 50

162 127 96 84 79 78 ✓
50 25 12 33 50

131 112 88 75 69 69 ✓
50 25 10 30 50

95 83 65 61 63 61 ✓
50 23 9 28 50

78 72 58 55 55 48 ✓ 7
50 31 13 37 50

79 78 68 59 50 43 ✓
50 32 19 36 50

Top Iron N.C. Cor. Vetter & Feiler (not a perm. B.M.)

79 81 76 63 45 34 ✓
50 40 20 30 50

64 69 64 46 34 23 15 16 ✓
50 37 23 15 33 43 50

Sta + π - Elev
908.69.

7 +68

903.9

8

02.2

+32

00.5

+56

00.8

+75

899.5

9

96.6

95.8

+40

T.R

7.16

904.50

11.35

897.34

+85

894.6

L

E

R

7.7 7.7
50 30

4.8 2.9 1.1 1.2 ✓
20 42 50

10.2 9.7 6.5
50 27

4.1 2.7 ✓
25 50

10.8 10.5
50 30

8.2 6.7 5.7 4.2 4.0 ✓
13 27 42 50

10.1 9.5 8.4 7.9
50 35 14

7.2 6.0 5.8 ✓
19 33 50

10.1 9.8 9.2
50 29 14

9.2 8.8 7.7 8.0
16 37 50

6.0 of 10.
118

11.5 12.2 12.1
50 26

12.0 11.0 11.6 ✓
8 22 50

11.4 12.6 13.2 12.9 12.3 11.1 11.0 11.5 ✓
50 40 17 9 20 41 50

3.6 6.9 9.0 9.9 9.3 8.0 6.9 5.7 ✓
50 31 14 17 32 39 50

Sta	+	π	-	Elev
		904.50		

10				892.6
----	--	--	--	-------

+29				92.2
-----	--	--	--	------

+51				93.5
-----	--	--	--	------

+76				903.1
-----	--	--	--	-------

+85.39 = Edge Pav.				03.08
--------------------	--	--	--	-------

+95.39 = 2 Pav.				03.29
-----------------	--	--	--	-------

T.P.	6.67	909.96	1.21	903.29
------	------	--------	------	--------

B.M.			3.67	906.29
------	--	--	------	--------

(906.25)

L

E

R

$\begin{array}{ccccccc} & & 86 & & & & \\ 35 & 66 & 86 & 116 & 119 & 119 & 877958 \checkmark \\ 50 & 33 & 17 & 6 & 12 & 24 & 4050 \end{array}$

$\begin{array}{ccccccc} 54 & 90 & 95 & 116 & 123 & 123 & 1077673 \checkmark \\ 50 & 25 & 18 & 12 & & 22 & 303950 \end{array}$

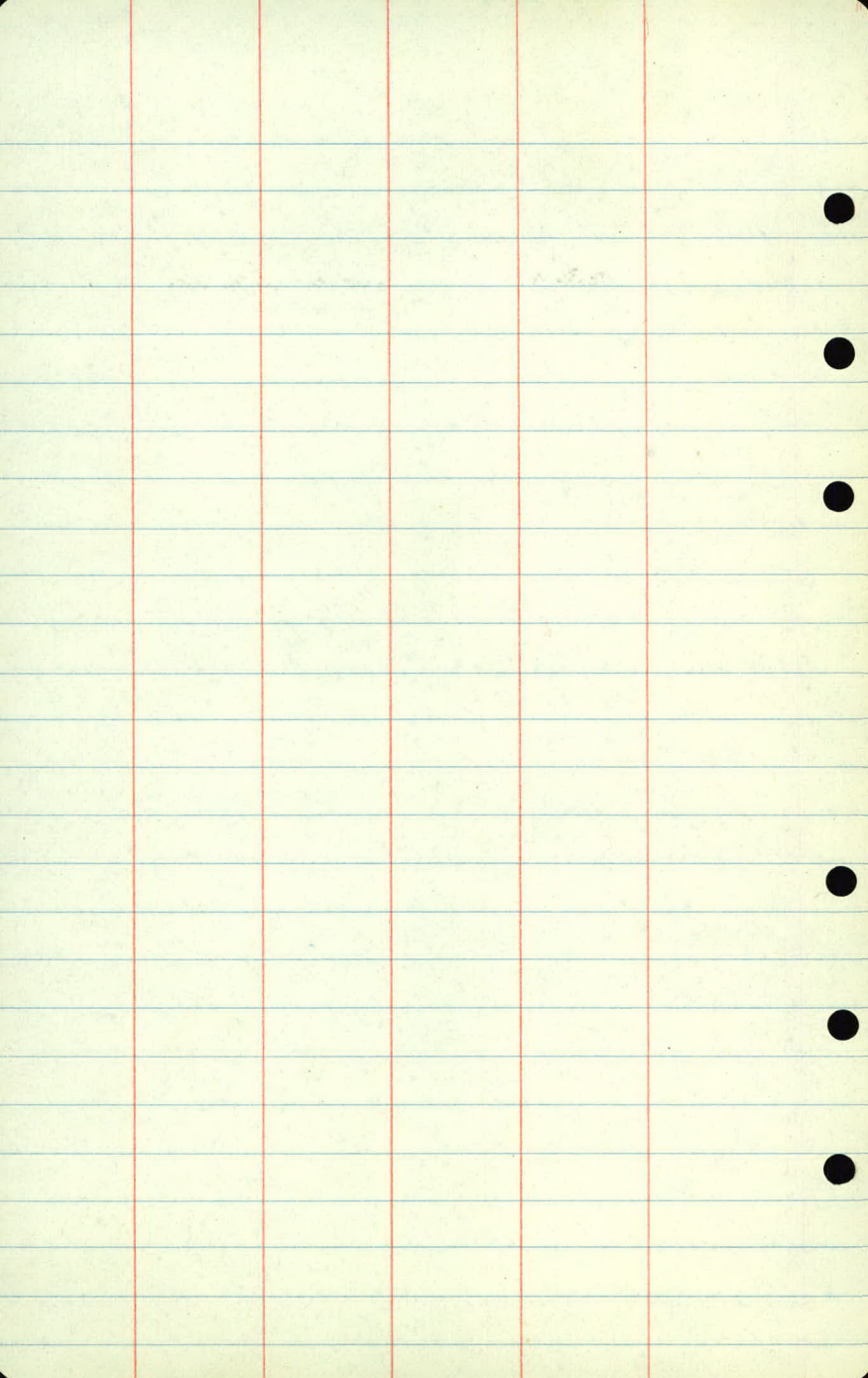
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$\begin{array}{ccccccc} 0.7 & 1.1 & 1.4 & 2.0 & 2.2 & & \checkmark \\ 50 & 29 & 29 & 50 \end{array}$

$\begin{array}{ccc} 0.60 & 1.42 & 1.88 \checkmark \\ 50 & & 50 \end{array}$

1.21

Top Iron Mont Ctr Sec 16



Stadia Location of Draw.

Object Azimuth Dist Rod Elev.

H.I. = 886.74

Not sta 3100 0°00' = North.

Top stake & Sta. 3

T.P. #1 from X Sections			+ 4.0	882.74
81° & Draw #1	279° 00'	133 ✓	6.6	80.1 ✓
70° "	" 290° 00'	162 ✓	10.0	76.7 ✓
60° "	" 300° 00'	233 ✓	15.1	71.6 ✓
60° "	" 300° 00'	310 ✓	15.3	71.4 ✓
41° "	" 319° 00'	395 ✓	13.4	73.3 ✓
65° "	" 295° 00'	444 ✓	15.6	71.1 ✓
67° "	" 293° 00'	500 ✓	21.2	65.5 ✓
105° "	" #2 255° 00'	131 ✓	8.9	77.8 ✓
105° "	" " 255° 00'	233 ✓	13.6	73.1 ✓
101° "	" " 259° 00'	295 ✓	14.0	72.7 ✓
102° "	" " 258° 00'	350 ✓	10.9	75.8 ✓
104° "	" " 256° 00'	382	13.2	73.5 ✓

DRAINS S.W.

Great Avenue

Ent to train. Plan Location from Bridge
profile of Ent for 100 feet

54 dia

Walter Schmidt

B² Western
Rice

6 1/2 - 340

Highway Condens

142,4800

938661

938855

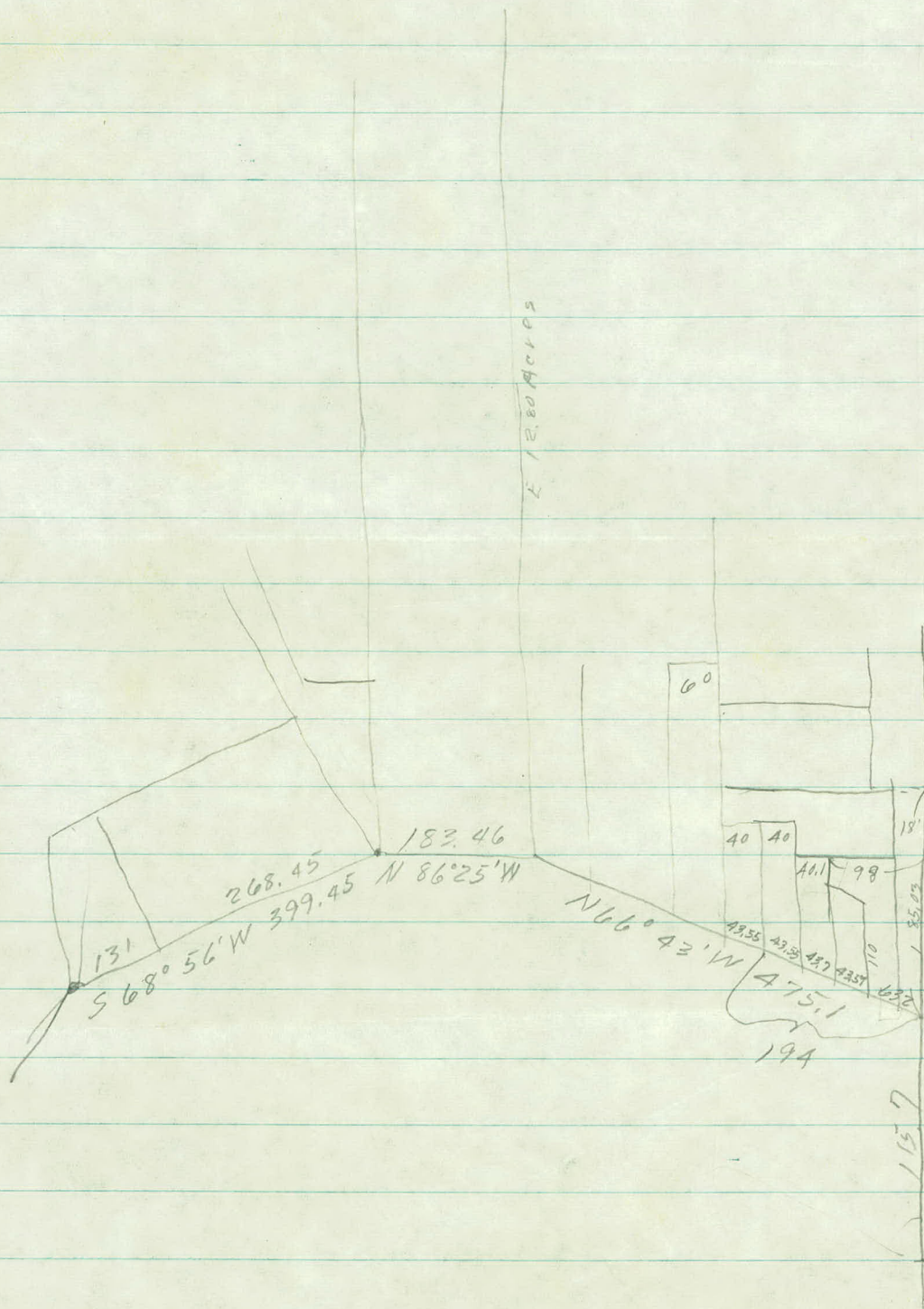
Heavy 14 8 Muzzle. Contin

Book 1019-55 Reg

Boards 50 - page 20

176-639

St N 1/2
0 1/4 NW 1/4
Sec 13



1/4 1/4 Line 7

K.A.
R.M.
N.B.

4-16-41

14

Try to bring drainage from
ish of Gordon & Walter North
thru draw No. 2.

