

Book #4 - Dr. 14A

OFFICE OF COUNTY ENGINEER
RAMSEY CO. MINN.

Cross Section Survey

No. St. Paul - Streets

From _____ To _____

Road Acc't. No. N.S.P.

Date Filed 6/10/32

File Misc'l.

No. St. Paul

STREET LEVEL

NOTES

Shoos 16-27
May 6-32

9th AVE N.E To

~~INT HENRY ST.~~

Fr. E. C. L.
To Henry

Shoogler MAY 6-1932

FROM E. E. Co. Line
TO INT. of HENRY ST.

STA. B.S. H.I. F.S. E.V.

B.M. Top of Hyd. 320⁰
E. Co. Line + 9th AVE. N.E.

0.80 320⁸⁰

0+00 18.3

1+00 15.8

2+00 09.5
T.P. 1 12⁰⁸ 308⁷²

0⁶⁷ 309³⁹

3+00 03.6

4+00 01.0

5+00 94.2
T.P. 1 12⁰⁸ 297³¹✓

5.07 302³⁸

6+00 94.9

6+13 INT. 9th AVE. NE + HENRY ST. 94.7

B.M. 5.26 297¹²✓

Top of Hyd. Henry St.
+ 9th AVE. N.E.

→ 297⁰⁸

-L-

-R-

$$\frac{1.6}{30}$$

2.5

$$\frac{3.1}{30}$$

$$\frac{3.8}{30}$$

$$\frac{3.9}{24}$$

$$\frac{4.6}{21}$$

$$\frac{5.4}{12}$$

5.0

$$\frac{5.9}{12}$$

$$\frac{5.3}{15}$$

$$\frac{4.9}{30}$$

$$\frac{11.7}{30}$$

$$\frac{12.3}{20}$$

11.3

$$\frac{12.5}{15}$$

$$\frac{12.7}{30}$$

$$\frac{4.7}{30}$$

$$\frac{6.4}{21}$$

5.8

$$\frac{7.3}{15}$$

$$\frac{7.4}{30}$$

$$\frac{6.7}{30}$$

$$\frac{8.8}{12}$$

8.4

$$\frac{9.8}{19}$$

$$\frac{10.0}{30}$$

$$\frac{11.7}{30}$$

$$\frac{12.4}{16}$$

12.2

$$\frac{14.2}{19}$$

$$\frac{14.2}{30}$$

$$\frac{6.9}{30}$$

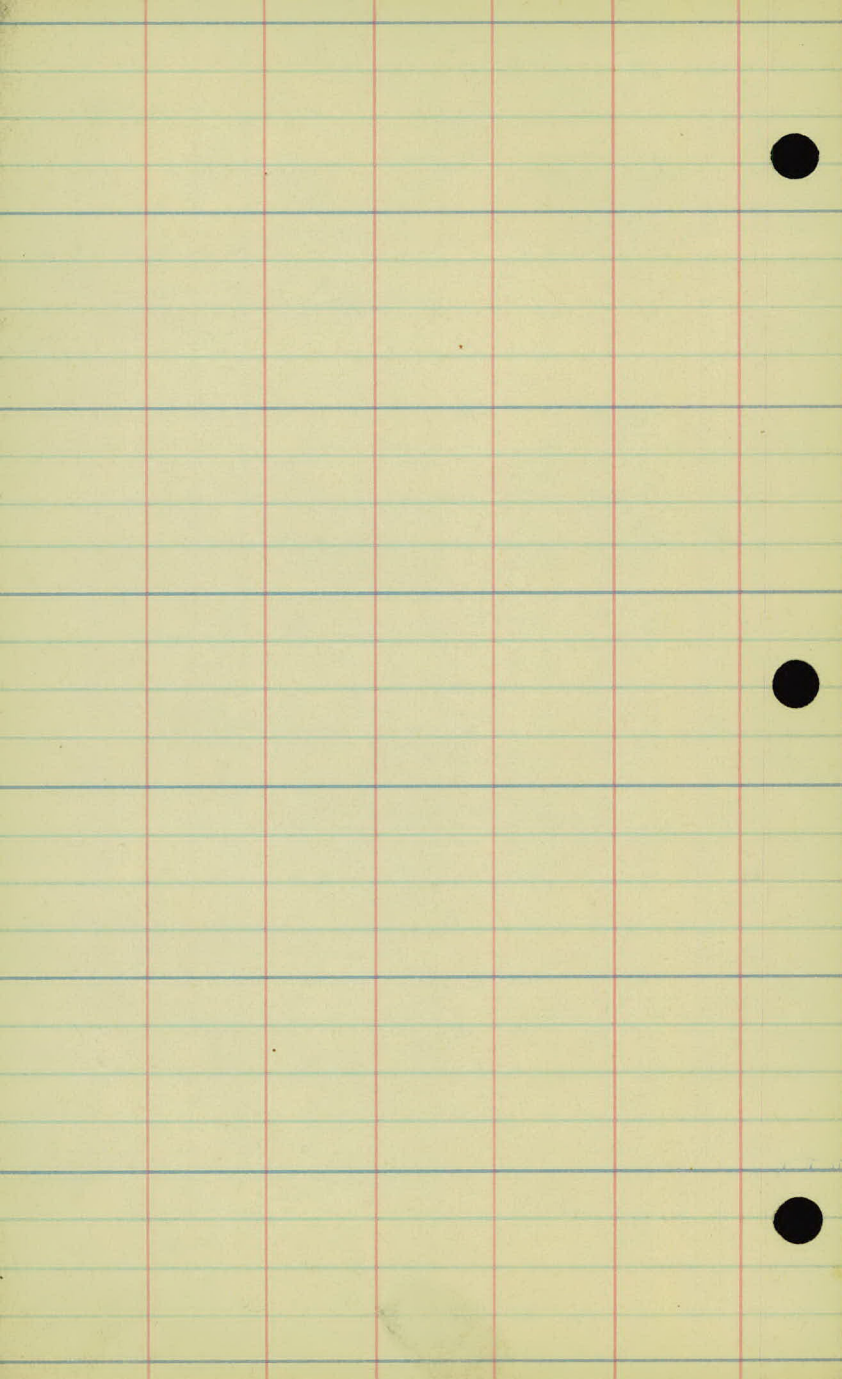
7.5

$$\frac{8.9}{30}$$

$$\frac{6.5}{30}$$

7.7

$$\frac{8.8}{30}$$



Henry St.

Fr 9th Ave
To 6th "

STA. B.S. H.I. F.S.

EIV.

B.M. Top Hyd. HENRY ST. 9th AVE N.E. 297⁰⁸516 302²⁴

0+00

94.5

1+00

99.7

T.P.

10.11 312⁰⁷ 0.28 301⁹⁶

2+00

04.1

3+00

06.9

3+29=

08.0

HENRY ST. N.E. 8th AVE. N.E.

4+00

08.8

T.P.

107²⁴ 322³¹ 0.50 311⁵⁷

T.P.

9.28 321⁹⁹ 9.60 312⁷¹

-L-

-R-

$$\frac{7.0}{30}$$

$$\frac{7.9}{19}$$

7.7

$$\frac{8.0}{16}$$

$$\frac{8.2}{30}$$

$$\frac{1.3}{30}$$

$$\frac{1.8}{22}$$

$$\frac{3.3}{16}$$

2.5

$$\frac{4.0}{18}$$

$$\frac{1.7}{22}$$

$$\frac{1.7}{30}$$

$$\frac{6.0}{30}$$

$$\frac{8.0}{14}$$

8.0

$$\frac{9.6}{16}$$

$$\frac{10.1}{18}$$

$$\frac{8.4}{22}$$

$$\frac{8.4}{30}$$

$$\frac{3.2}{30}$$

$$\frac{4.6}{26}$$

$$\frac{5.0}{20}$$

$$\frac{5.5}{17}$$

5.2

$$\frac{5.8}{16}$$

$$\frac{7.2}{19}$$

$$\frac{7.2}{20}$$

$$\frac{5.0}{22}$$

$$\frac{4.8}{30}$$

$$\frac{3.8}{30}$$

4.1

$$\frac{4.6}{30}$$

$$\frac{3.8}{30}$$

$$\frac{4.3}{21}$$

$$\frac{4.3}{15}$$

$$\frac{3.7}{10}$$

3.3

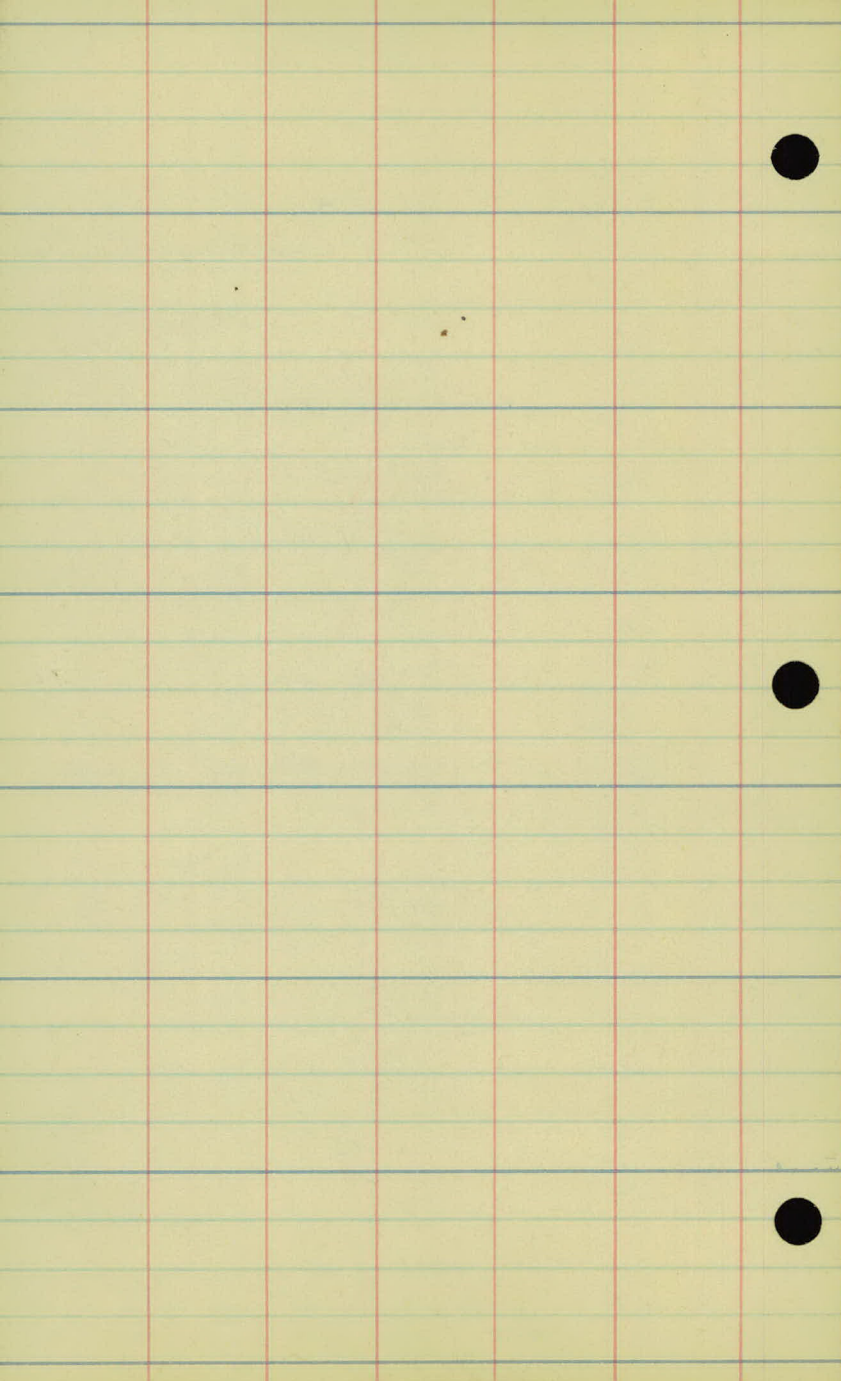
$$\frac{3.4}{10}$$

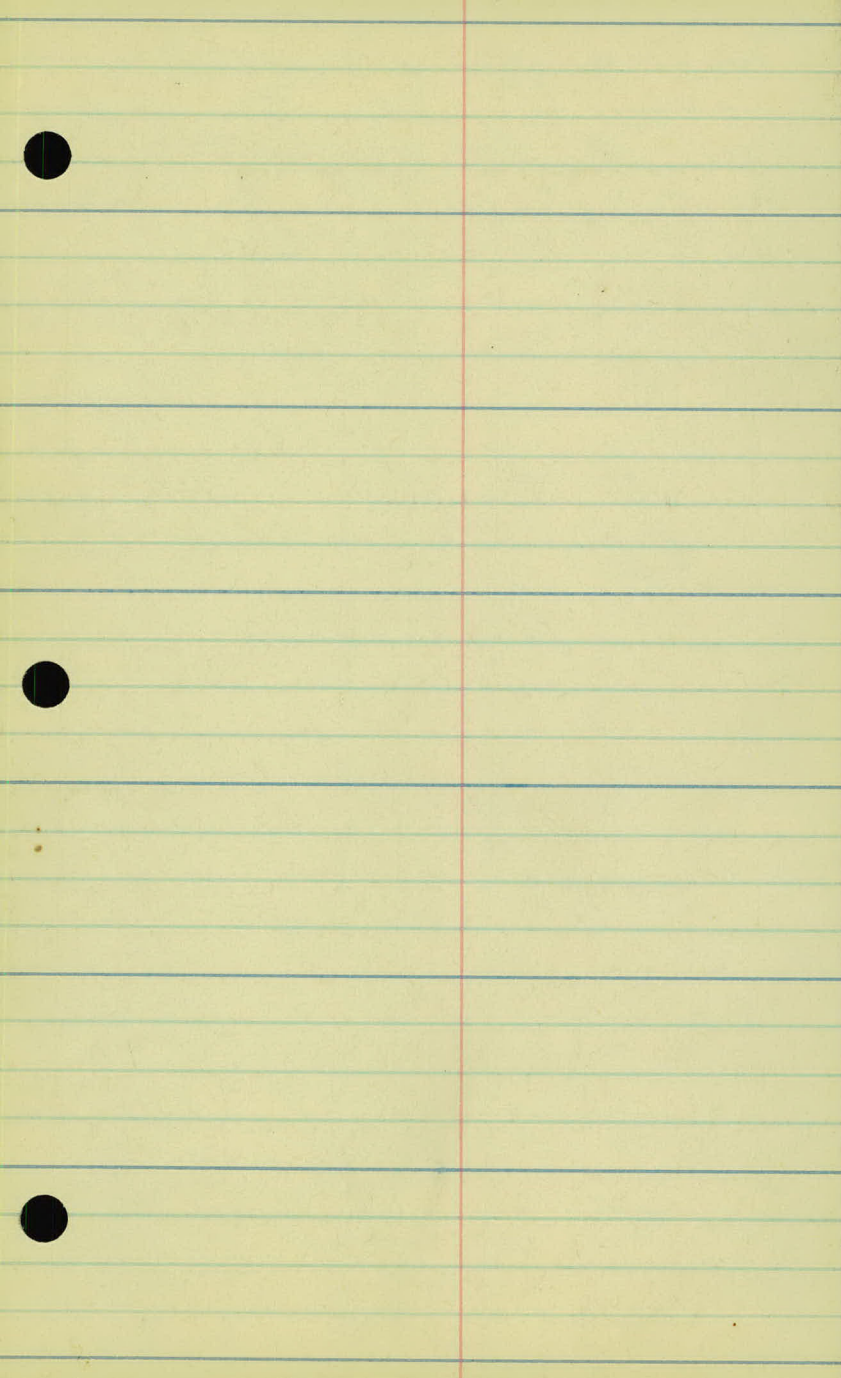
$$\frac{5.0}{17}$$

$$\frac{5.4}{20}$$

$$\frac{3.2}{24}$$

$$\frac{2.6}{30}$$





STA. B.S. H.I. F.S. E/V.

32199 ✓

4+90 Alley 12.7

5+00 13.1

6+00 17.0

6+59.30 19.3

INT. 6th AVE + HENRY ST. N.E. ✓

T. P. top of Stamp 2.84 319'5

Sixth Ave

SIXTH AVE N.E. to E. CO LINE

6th AVE. - Fr. Henry to E. Co. L.

TOP STAMP 319'5

2.84 32199 ✓

0+00 19.3

1+00 18.0

2+00 16.4

3+00

T. P. ✓ 9.36 312'63 ✓

1040 32303

$$\frac{9.8}{30} \quad \frac{10.1}{20} \quad \frac{10.1}{12} \quad 9.3 \quad \frac{9.8}{12} \quad \frac{9.4}{19} \quad \frac{9.4}{30}$$

$$\frac{9.0}{30} \quad \frac{8.7}{23} \quad \frac{9.4}{21} \quad \frac{9.4}{15} \quad 8.9 \quad \frac{9.2}{18} \quad \frac{9.0}{30}$$

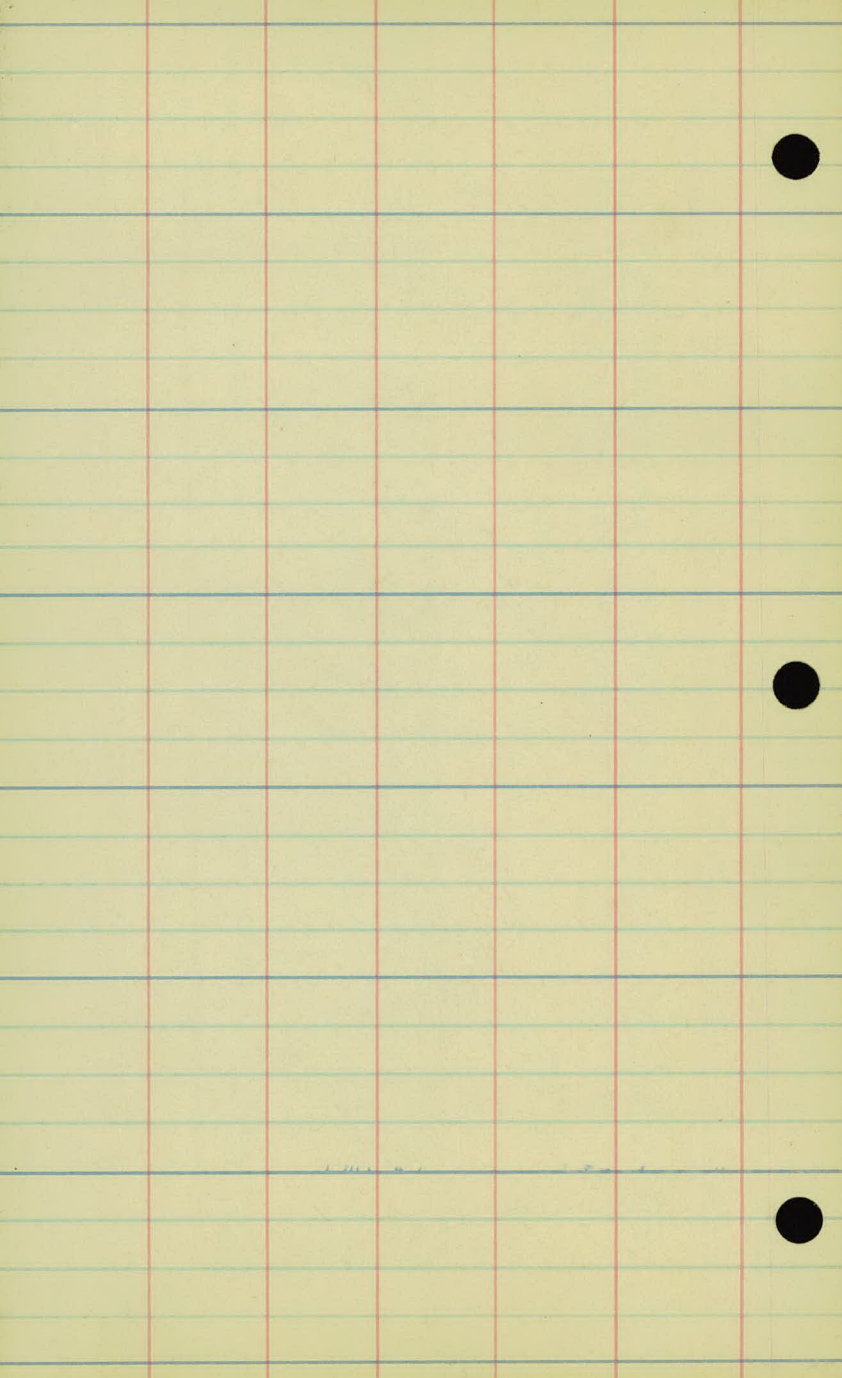
$$\frac{5.0}{30} \quad \frac{5.7}{17} \quad \frac{5.7}{13} \quad 5.0 \quad \frac{5.1}{19} \quad \frac{4.2}{22} \quad \frac{4.4}{30}$$

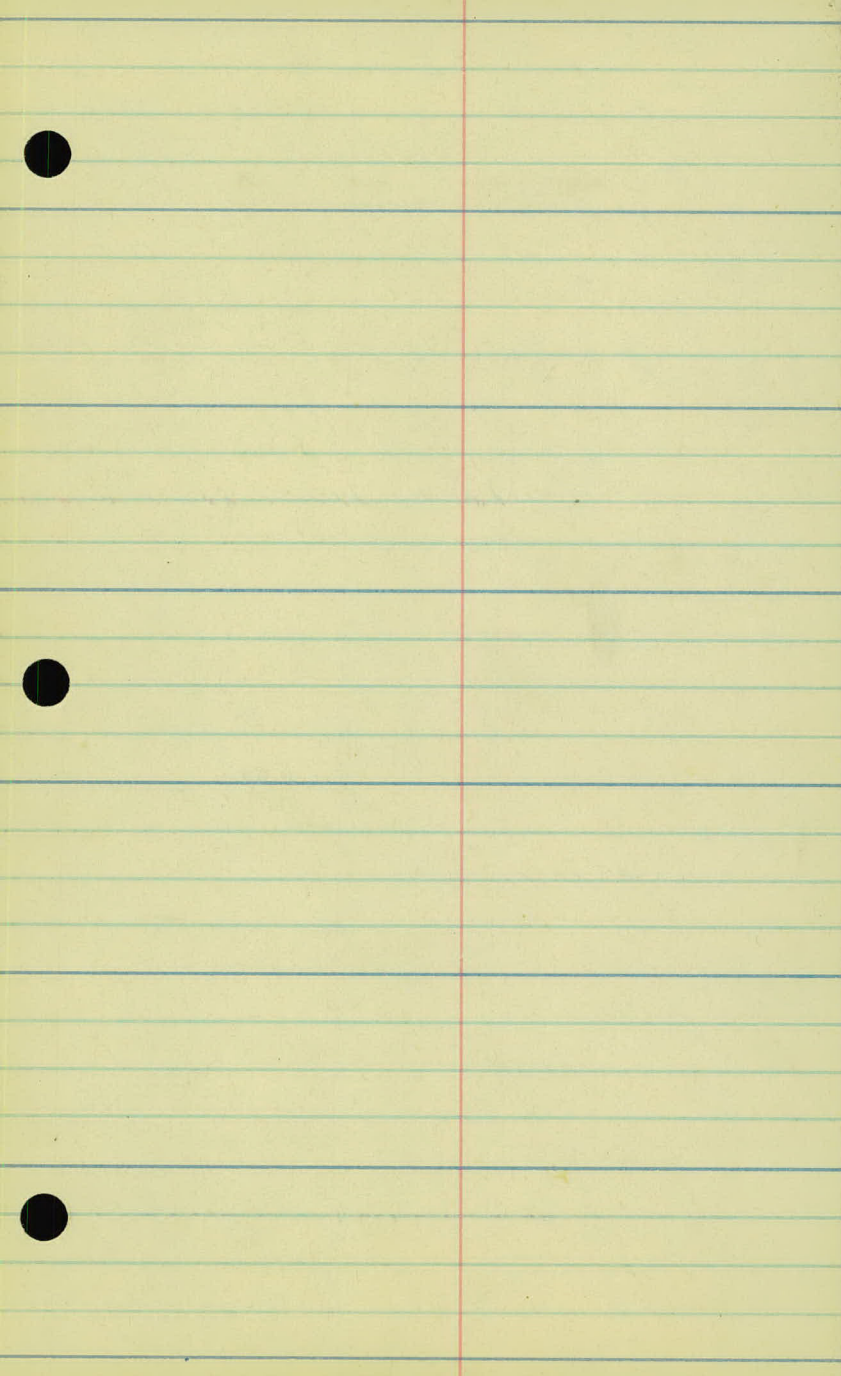
$$\frac{2.8}{30} \quad 2.7 \quad \frac{3.9}{30}$$

$$\frac{3.5}{30} \quad 2.7 \quad \frac{2.5}{17} \quad \frac{2.0}{30}$$

$$\frac{7.2}{30} \quad \frac{6.6}{22} \quad \frac{7.2}{20} \quad \frac{7.2}{18} \quad \frac{5.0}{12} \quad 4.0 \quad \frac{5.0}{15} \quad \frac{4.5}{17} \quad \frac{3.8}{30}$$

$$\frac{6.7}{30} \quad \frac{6.6}{24} \quad \frac{7.5}{21} \quad \frac{7.5}{19} \quad \frac{6.2}{15} \quad 5.6 \quad \frac{6.5}{14} \quad \frac{5.8}{18} \quad \frac{4.5}{22} \quad \frac{4.2}{30}$$





STA.	B.S.	H.I.	F.S.	Elev
		323 ⁰³ ✓		
4+00				12.0
4+50				13.4
5+00				17.4
T.P.		✓ 0.40		322 ⁶³ ✓
	10 ¹⁰	332 ⁷³		
6+00				28.5
6+13 ⁴⁰			INT. E. COLINE	29.0
T.P.		✓ 6.50		326 ²³ ✓
	0.12	326 ³⁵		
B.M.		6.45		319 ⁹⁰ ✓
Top Hyd			E. COLINE x 9 th AVE	
			→ Elev	320 ⁰⁰

$$\frac{13.7}{30}$$

$$\frac{13.2}{17}$$

$$\frac{11.4}{12}$$

$$11.0$$

$$\frac{11.7}{6}$$

$$\frac{13.2}{10}$$

$$\frac{13.3}{30}$$

$$\frac{9.0}{30}$$

$$\frac{9.6}{24}$$

$$\frac{10.5}{18}$$

$$\frac{10.0}{15}$$

$$9.6$$

$$\frac{10.6}{8}$$

$$\frac{12.4}{12}$$

$$\frac{13.0}{30}$$

$$\frac{4.8}{30}$$

$$\frac{4.8}{22}$$

$$\frac{5.8}{16}$$

$$5.6$$

$$\frac{6.6}{9}$$

$$\frac{7.3}{13}$$

$$\frac{6.8}{22}$$

$$\frac{7.0}{30}$$

$$\frac{4.2}{30}$$

$$\frac{4.2}{20}$$

$$4.2$$

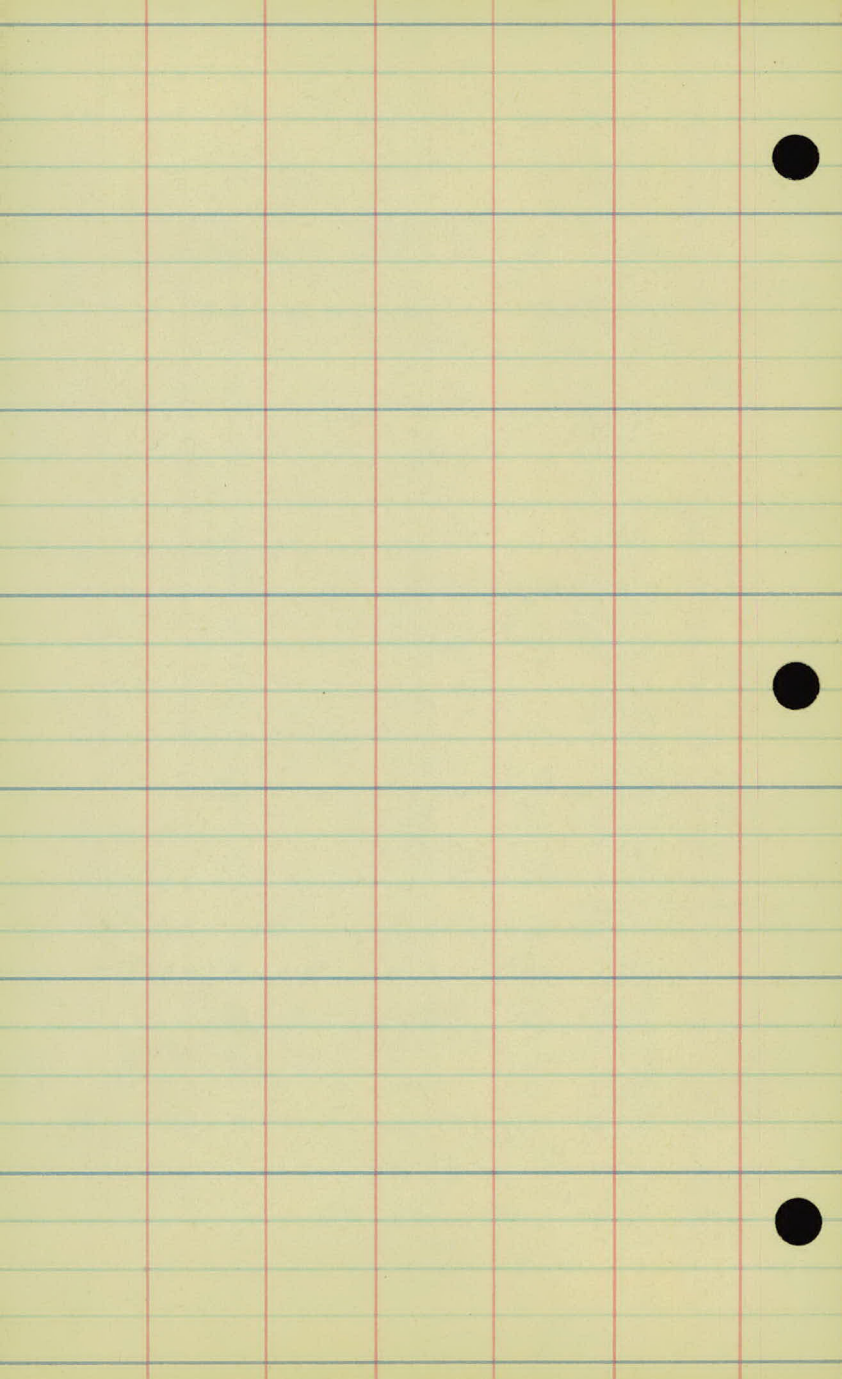
$$\frac{4.2}{12}$$

$$\frac{4.2}{30}$$

$$\frac{3.8}{30}$$

$$3.7$$

$$\frac{3.9}{30}$$



10th Ave.

Fr. Henry
To. E. Co. L.

STA. B.S. H.I. F.S. EIV.

B.M. Hyd. 9th AVE N.E. E. COLINE. ✓
320⁰⁰

0.22 320.22

12.10

Top. Hyd. 10th AVE. E. COLINE. ✓
308.12

0⁰⁰ 308.12

10.31

297.81 ✓

0⁰⁷

✓ 297.88

INT. HENRY ST. 10th AVE N.E.

0+00

88.6

1+00

89.6

2+00

93.4

3+00

96.7

T.P.

✓ 0⁰⁷

297.81 ✓

10.57 308.38

4+00

Beg. Side Walk left

99.3

5+00

03.1

5+80 END WALK left.

06.1

-Z-

-R,

$$\frac{9.7}{30}$$

$$93$$

$$\frac{9.5}{30}$$

$$\frac{10.0}{30}$$

$$\frac{10.0}{22}$$

$$\frac{8.2}{18}$$

$$\frac{8.5}{13}$$

$$8.3$$

$$\frac{8.3}{17}$$

$$\frac{9.6}{30}$$

$$\frac{4.6}{30}$$

$$\frac{4.2}{18}$$

$$\frac{5.1}{12}$$

$$9.6$$

$$\frac{4.0}{12}$$

$$\frac{3.0}{18}$$

$$\frac{2.3}{30}$$

$$\frac{2.7}{30}$$

$$\frac{3.7}{17}$$

$$\frac{2.2}{13}$$

$$1.2$$

$$\frac{1.5}{9}$$

$$\frac{0.3}{16}$$

$$+ \frac{2.0}{30}$$

S.W

$$\frac{10.0}{30}$$

$$\frac{9.8}{16}$$

$$9.1$$

$$\frac{9.1}{13}$$

$$\frac{8.2}{30}$$

S.W

$$\frac{5.7}{30}$$

$$\frac{6.1}{16}$$

$$5.3$$

$$\frac{5.8}{12}$$

$$\frac{4.0}{27}$$

$$\frac{3.2}{30}$$

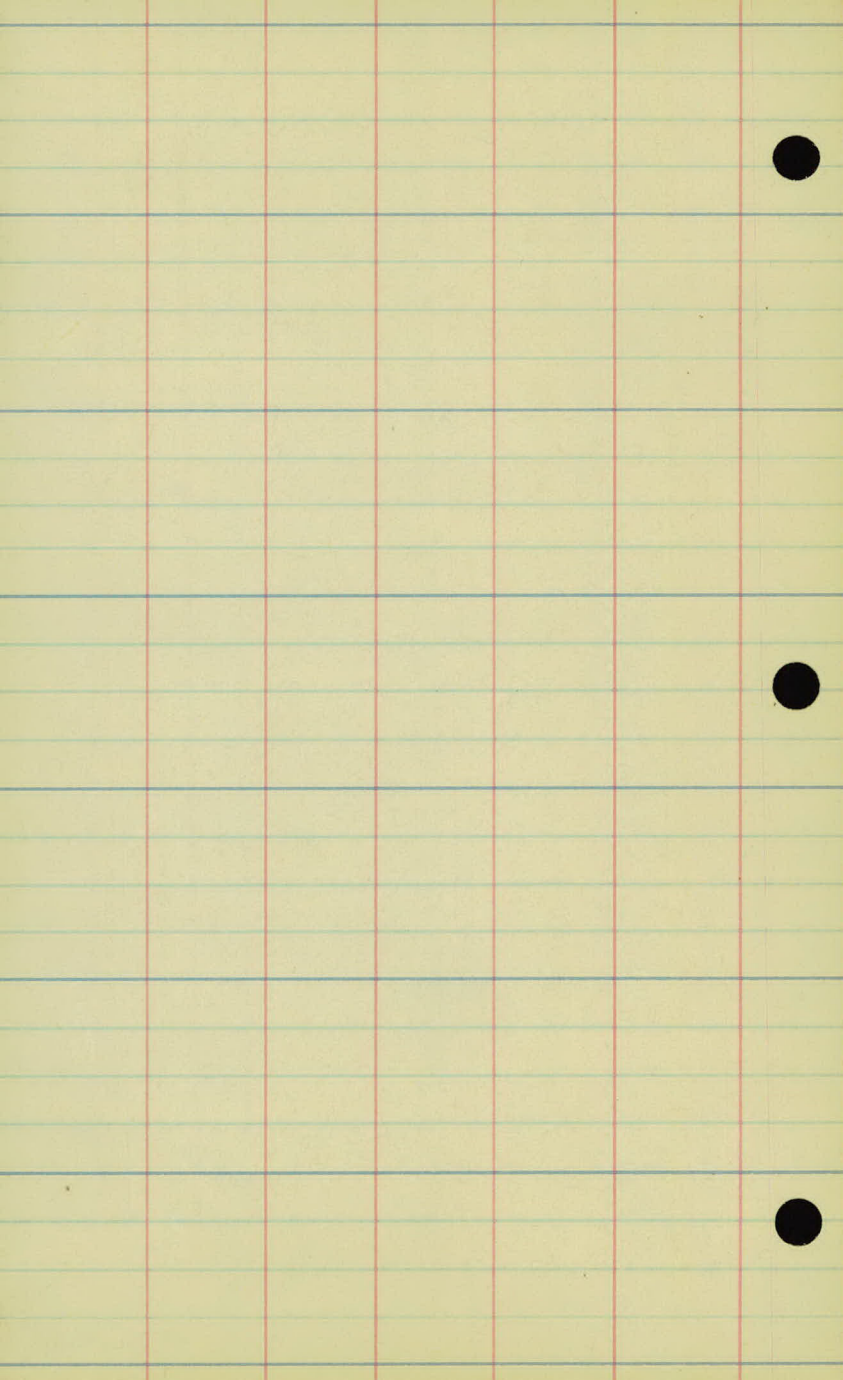
$$\frac{5.4}{30}$$

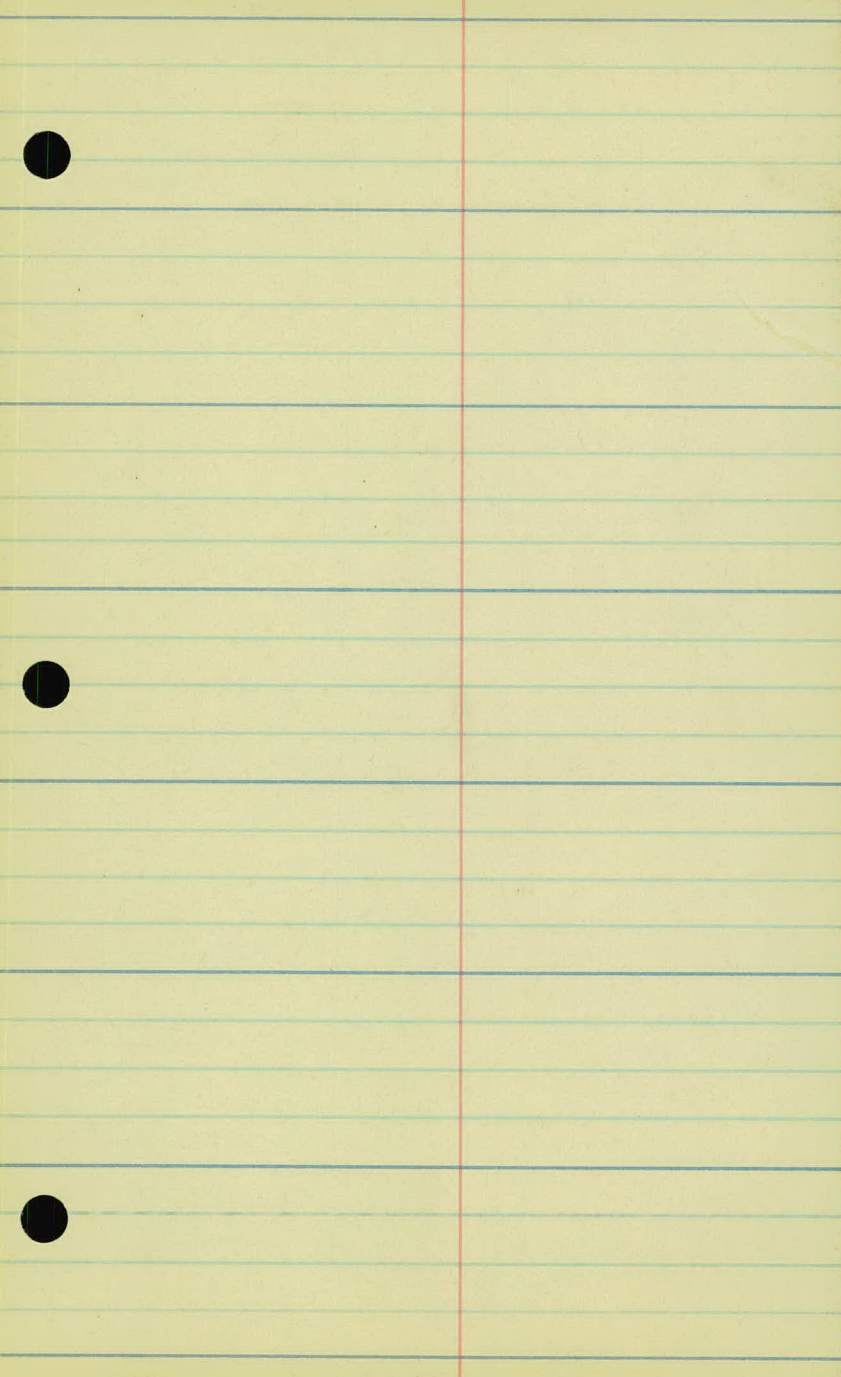
$$\frac{2.7}{13}$$

$$2.3$$

$$\frac{2.0}{12}$$

$$\frac{1.2}{30}$$





STA. B.S. H.I. F.S. MAY-632 EIV.

~~297.81~~
308.38

6+13⁰ INT E.C. LINE + 10th AVE N.E. ^{08.2}

0.27

✓ 308.11

BM TOP HYD. E.C. LINE + 10th AVE

308.12 ✓

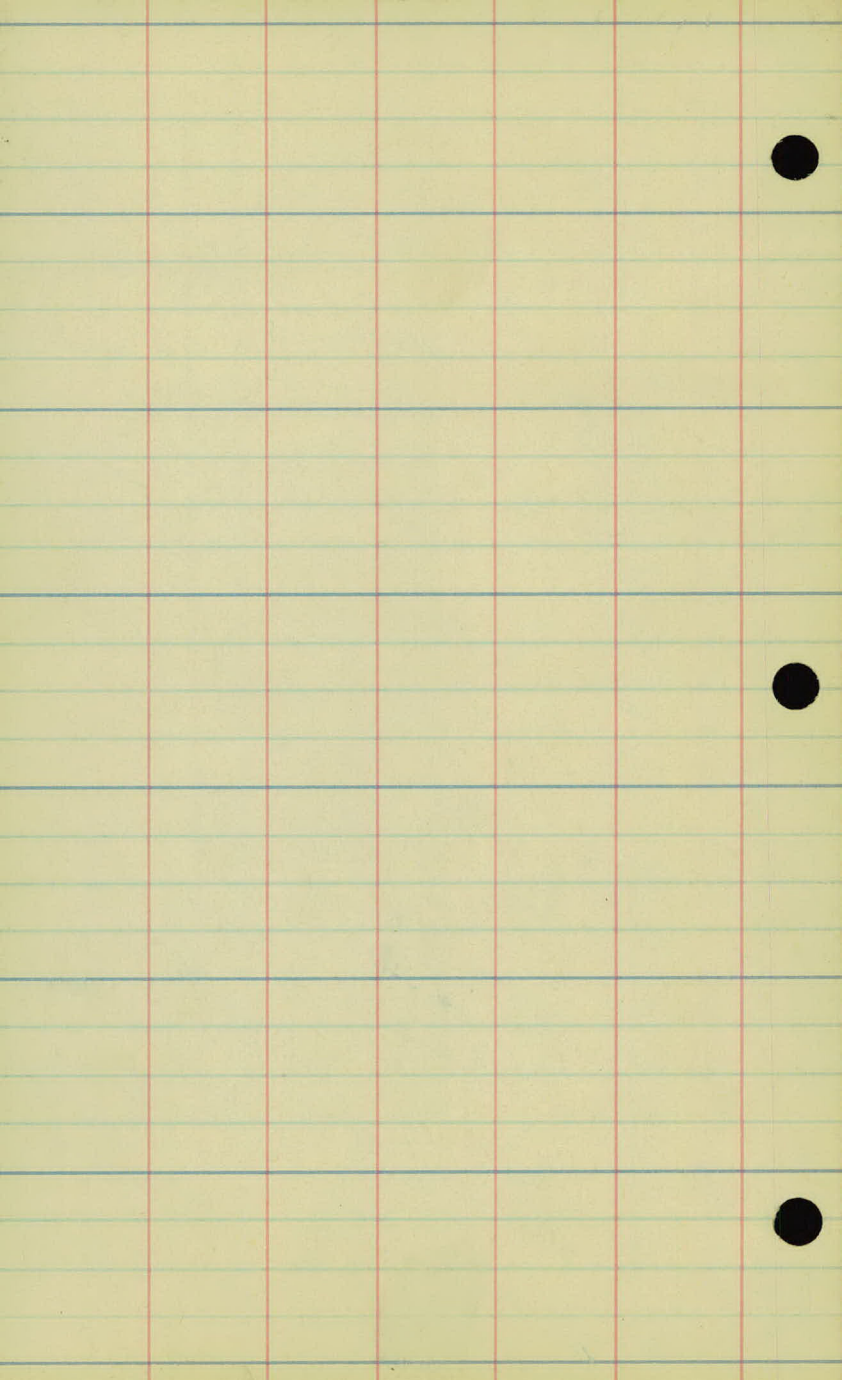
-L-

-R-

$$\frac{1.2}{30}$$

0.2

$$+\frac{1.2}{30}$$



LEVEL
NOTES ON

HENRY ST N. E

FROM 9TH AVE N. E

TO 12TH AVE.
AND NORTH.

FROM So. TO NORTH

Skook loo MAY 9-32

STA. B.S. H.I. F.S. EIV.
B.M. Top Hyd. Henry St. NE 297⁰⁸
+ 9th AVE.

INT. HENRY ST. N.E.
9th AVE. N.E.

0+00 94.5
0⁰⁵ 297¹³ ✓

0+26 93.6

1+00 91.6

2+00 90.0

3+00 88.3

3+38 INT. 10th AVE. 88.4

4+00 89.9

4+19 INT. No. ST. PAUL PAVEMENT 90.5

T.P. 10¹² 287⁰¹ ✓
9³⁷ 296³⁸

4+60 88.6

5+00 87.0

-2-

-R

$$\frac{32}{30}$$

$$26$$

$$\frac{20}{30}$$

$$\frac{40}{30}$$

$$\frac{40}{18}$$

$$35$$

$$\frac{36}{19}$$

$$\frac{36}{30}$$

$$\frac{60}{30} \quad \frac{57}{22} \quad \frac{68}{19} \quad \frac{68}{18} \quad \frac{60}{15} \quad 55 \quad \frac{55}{11} \quad \frac{69}{19} \quad \frac{56}{23} \quad \frac{50}{30}$$

$$\frac{86}{30} \quad \frac{84}{22} \quad \frac{90}{18} \quad \frac{90}{16} \quad \frac{80}{12} \quad 71 \quad \frac{79}{12} \quad \frac{86}{16} \quad \frac{86}{18} \quad \frac{78}{21} \quad \frac{74}{30}$$

$$\frac{110}{30} \quad \frac{110}{16} \quad \frac{92}{10} \quad 88 \quad \frac{91}{11} \quad \frac{106}{19} \quad \frac{105}{30}$$

$$\frac{105}{30}$$

$$\frac{115}{17}$$

$$\frac{94}{13}$$

$$87$$

$$\frac{82}{30}$$

DAVE

$$\frac{662}{30}$$

DAVE

$$\frac{625}{30}$$

E. DAVE.

$$\frac{665}{8}$$

$$72$$

$$\frac{79}{7} \quad \frac{99}{19}$$

$$\frac{106}{22} \quad \frac{90}{25} \quad \frac{107}{30}$$

DAVE

$$\frac{665}{30}$$

$$665$$

$$\frac{114}{30}$$

$$\frac{102}{24}$$

$$\frac{82}{8}$$

$$78$$

$$\frac{81}{5}$$

$$\frac{88}{16}$$

$$\frac{86}{18}$$

$$\frac{74}{30}$$

$$\frac{115}{30}$$

$$\frac{115}{20}$$

$$\frac{120}{17}$$

$$\frac{120}{15}$$

$$\frac{107}{13}$$

$$\frac{94}{5}$$

$$97$$

$$\frac{94}{5}$$

$$\frac{117}{13}$$

$$\frac{117}{22}$$

$$\frac{102}{30}$$

STA. B.S. H.I. F.S. EIV.
296³⁸ ✓

6+00 86.3

7+00 86.3

8+00 86.3

8+90 87.9

9+00 88.2

9+75 91.1

9+88 INT. 12th Ave. NE. + HENRY ST. 91.5

10+20 Approx. No. prop. Line, 12th Ave. 91.8

10+35 91.9

11+00 91.6

11+60 END of ROAD. 91.1

Top Hyp No. END of HENRY ST. 296 293⁴² ✓

-L-

-R-

$$\frac{12.0}{30} \quad \frac{12.0}{17} \quad \frac{10.7}{11} \quad \frac{10.5}{6}$$

$$10.1 \quad \frac{10.7}{10} \quad \frac{12.0}{18} \quad \frac{11.6}{30}$$

$$\frac{11.1}{30} \quad \frac{11.5}{18} \quad \frac{12.0}{16} \quad \frac{12.0}{15} \quad \frac{11.4}{13} \quad \frac{10.0}{7} \quad 10.1 \quad \frac{9.5}{4} \quad \frac{10.3}{13} \quad \frac{11.1}{18} \quad \frac{10.8}{30}$$

$$\frac{11.2}{30} \quad \frac{11.8}{15} \quad \frac{10.2}{8} \quad 10.1 \quad \frac{10.1}{2} \quad \frac{10.0}{4} \quad \frac{11.4}{17} \quad \frac{11.1}{30}$$

$$\frac{9.5}{30} \quad \frac{9.2}{19} \quad \frac{10.3}{17} \quad \frac{10.3}{16} \quad \frac{8.6}{13} \quad \frac{8.5}{6} \quad 8.5 \quad \frac{8.5}{4} \quad \frac{8.0}{5} \quad \frac{7.4}{30}$$

$$\frac{8.8}{30} \quad \frac{9.1}{12} \quad \frac{8.1}{9} \quad 8.2 \quad \frac{8.2}{2} \quad \frac{7.5}{4} \quad \frac{7.1}{30}$$

$$\frac{6.0}{30} \quad \frac{6.0}{28} \quad \frac{7.6}{24} \quad \frac{7.0}{12} \quad \frac{5.5}{7} \quad 5.3 \quad \frac{6.0}{14} \quad \frac{6.0}{30}$$

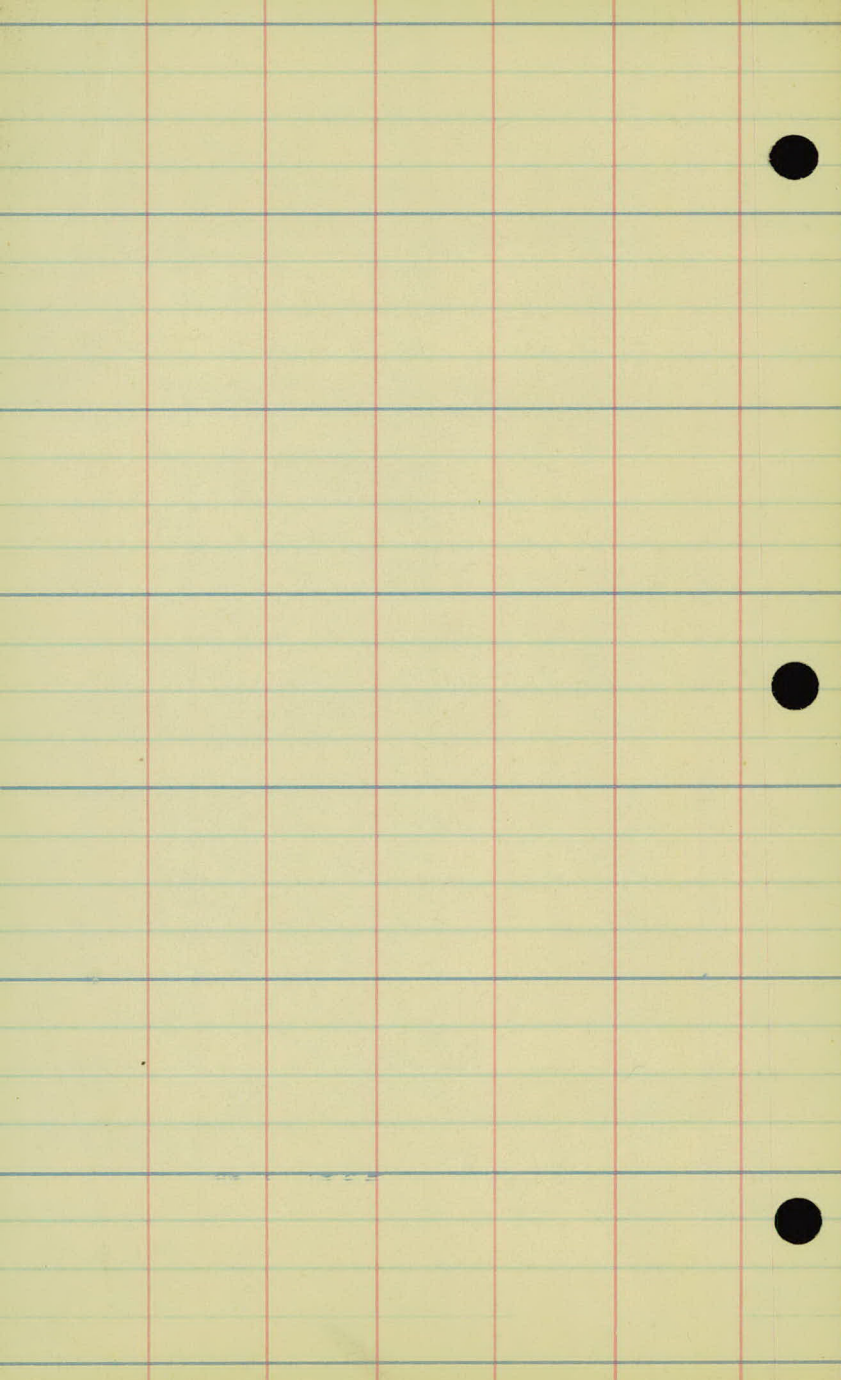
$$\frac{6.0}{30} \quad \frac{6.0}{28} \quad \frac{7.2}{24} \quad \frac{6.8}{12} \quad \frac{5.2}{7} \quad 4.9 \quad \frac{4.9}{21} \quad \frac{5.1}{30}$$

$$\frac{5.5}{30} \quad \frac{7.0}{25} \quad \frac{6.8}{16} \quad \frac{5.2}{11} \quad 4.6 \quad \frac{5.2}{12} \quad \frac{5.5}{26} \quad \frac{4.5}{30}$$

$$\frac{5.7}{30} \quad \frac{5.0}{7} \quad 4.5 \quad \frac{5.1}{9} \quad \frac{6.0}{25} \quad \frac{4.8}{30}$$

$$\frac{5.7}{30} \quad \frac{7.0}{25} \quad \frac{6.6}{12} \quad \frac{4.8}{7} \quad 4.8 \quad \frac{5.2}{11} \quad \frac{5.3}{30}$$

$$\frac{6.1}{30} \quad \frac{5.5}{18} \quad 5.3 \quad \frac{6.5}{11} \quad \frac{6.2}{30}$$



SKOOG 100 MAY 7-32

Messen -

McLaren

Fr. Henry

Level Notes on 12th Ave N.E.
to East Co. Line.

West to East.

STA. B.S. H.I. F.S. E/V.

(12th Ave N.E. ^{from} TO EAST CO. LINE.)
296³⁸ ✓

0+00 INT. HENRY ST. + 12th Ave. N.E. 91.5

0+30 91.4

1+00 92.8

2+00 95.1

T.P. ✓ 0⁰⁴ 296.39 ✓
9.82 306¹⁶

3+00 97.9

3+50 99.6

4+00 00.5

5+00 02.2

5+50 03.1

6+01 EDGE PAVEMENT. 02.5

6+14 ♀ PAVEMENT. 02.91

-L-

-R-

$$\frac{46}{30}$$

$$49$$

$$\frac{58}{30}$$

$$\frac{45}{30}$$

$$\frac{54}{19}$$

$$50$$

$$\frac{60}{30}$$

$$\frac{42}{30}$$

$$\frac{42}{27}$$

$$\frac{42}{15}$$

$$36$$

$$\frac{45}{7}$$

$$\frac{50}{13}$$

$$\frac{42}{30}$$

$$\frac{20}{30} \frac{20}{26} \frac{30}{23} \frac{30}{21} \frac{17}{16} \frac{14}{10} \frac{13}{13} \frac{10}{4} \frac{24}{12} \frac{24}{14} \frac{14}{18} \frac{14}{30}$$

$$\frac{90}{30} \frac{95}{27} \frac{101}{23} \frac{82}{17} \frac{76}{12} \frac{84}{6} \frac{83}{8} \frac{83}{7} \frac{93}{11} \frac{83}{20} \frac{83}{30}$$

$$\frac{78}{30} \frac{78}{27} \frac{87}{23} \frac{61}{12} \frac{66}{6} \frac{66}{5} \frac{75}{10} \frac{58}{18} \frac{58}{30}$$

$$\frac{72}{30} \frac{72}{25} \frac{80}{21} \frac{57}{10} \frac{57}{5} \frac{68}{12} \frac{56}{21} \frac{56}{30}$$

$$\frac{20}{30} \frac{22}{25} \frac{37}{23} \frac{40}{40} \frac{37}{15} \frac{42}{30}$$

$$\frac{10}{30} \frac{16}{29} \frac{31}{24} \frac{31}{31} \frac{31}{30}$$

GROUND

$$\frac{40}{30}$$

$$37$$

PAVE

$$\frac{34}{30}$$

PAVE

$$\frac{3.95}{30}$$

PAVE

$$\frac{31}{30}$$

$$32.5$$

STA. B.S. H.I. / F.S.

EIV.

306¹⁶

11.38

294⁷⁸

T.P.

279

297⁴⁷

0.92

297¹⁵

B.M. To p. Hyp. Henry St. + 4th Ave N.E.

→ 297⁰⁸

-L-

-R-

$$\frac{1.2}{30}$$

0.20

$$+ \frac{1.2}{30}$$

274

E.S.

274 32

L.V.

E.H.

297²⁸

INT. 297

297

0+00

6

000

Stoag 10/25-9-32
Messen
McLaren

Level Notes

16th Ave.

from 1st St.

To East Co. Line.

STA. B.S. H. I. F.S. EIV. 285¹⁹

B.M. TOP HYD. FIRST + 16TH AVE. 285¹⁹

5⁵⁴ 290⁷³

0+00 INT. 1ST ST. + 16TH ST. 81.6

0+20 81.8

1+00 83.6

1+65 86.0

2+00 86.0

2+68 87.1

3+00 87.2

4+00 89.9

T.P. 0²⁸ 290⁴⁵

996 300⁴¹

4+46 91.7

-L-

-R-

$$\frac{8.8}{33}$$

$$9'$$

$$\frac{9.2}{33}$$

$$\frac{8.2}{33}$$

$$\frac{8.5}{17}$$

$$\frac{9.4}{14}$$

$$\frac{9.2}{12}$$

$$89$$

$$\frac{9.7}{10} \frac{10.1}{15}$$

$$\frac{11.2}{33}$$

$$\frac{8.5}{33}$$

$$\frac{8.1}{24}$$

$$\frac{8.0}{11}$$

$$7' \frac{7.1}{10}$$

$$\frac{8.4}{33}$$

$$\frac{4.2}{33}$$

$$\frac{3.6}{18}$$

$$\frac{5.7}{16}$$

$$\frac{5.8}{13}$$

$$47$$

$$\frac{6.0}{16}$$

$$\frac{5.5}{19}$$

$$\frac{6.0}{33}$$

$$\frac{2.3}{33}$$

$$\frac{2.0}{24}$$

$$\frac{3.4}{17}$$

$$\frac{4.6}{15}$$

$$\frac{4.2}{10}$$

$$47$$

$$\frac{5.0}{14}$$

$$\frac{5.5}{18}$$

$$\frac{6.0}{33}$$

$$\frac{1.0}{33}$$

$$\frac{1.2}{29}$$

$$\frac{1.8}{29}$$

$$\frac{2.0}{25}$$

$$\frac{4.0}{20}$$

$$36$$

$$\frac{4.4}{8}$$

$$\frac{5.0}{14}$$

$$\frac{6.0}{18}$$

$$\frac{6.6}{33}$$

$$\frac{3.3}{33}$$

$$\frac{3.7}{21}$$

$$\frac{3.6}{13}$$

$$35$$

$$\frac{4.0}{10}$$

$$\frac{4.3}{14}$$

$$\frac{5.6}{20}$$

$$\frac{6.2}{33}$$

$$\frac{1.6}{33}$$

$$\frac{1.8}{27}$$

$$\frac{1.7}{15}$$

$$08$$

$$\frac{1.7}{10}$$

$$\frac{2.7}{20}$$

$$\frac{3.7}{33}$$

$$\frac{9.5}{33}$$

$$\frac{9.0}{27}$$

$$\frac{9.6}{16}$$

$$87$$

$$\frac{9.2}{11}$$

$$\frac{9.3}{17}$$

$$\frac{7.2}{21}$$

$$\frac{6.5}{33}$$

STA.	B.S.	H.I.	F.S.	Elev.
		300 ⁴¹		
5+00				93.5
6+00				95.1
6+24	Approx Prop Line			95.2
6+53	E Helen St.			95.4
6+77	Approx. Prop. Line			95.0
B.M.	Tap. Hq. Helen St. + 11.27			299.14
	+ 16th AVE.			= 299.18
		300 ⁴¹		
7+00				94.0
7+35				92.0
7+75				91.4
8+00				91.7
8+50				92.4
8+90				93.6
9+00				94.1

-L-

-R-

$$\frac{6.0}{33} \quad \frac{6.0}{18} \quad \frac{7.5}{15} \quad \frac{7.5}{12} \quad 69 \quad \frac{7.4}{10} \quad \frac{48}{19} \quad \frac{4.7}{33}$$

$$\frac{1.8}{33} \quad \frac{3.2}{21} \quad \frac{5.5}{13} \quad 53 \quad \frac{6.3}{11} \quad \frac{7.4}{33}$$

S.W

$$\frac{4.6}{33}$$

S.W

$$\frac{4.7}{30}$$

$$52$$

$$\frac{5.6}{33}$$

$$\frac{4.5}{33}$$

$$50$$

$$\frac{5.5}{33}$$

$$\frac{5.0}{33}$$

$$54$$

$$\frac{5.7}{33}$$

$$\frac{6.2}{33}$$

$$\frac{6.7}{14}$$

$$64$$

$$\frac{6.8}{14}$$

$$\frac{6.6}{33}$$

$$\frac{9.0}{33}$$

$$\frac{9.3}{19}$$

$$\frac{8.7}{13}$$

$$84$$

$$\frac{8.2}{13}$$

$$\frac{8.0}{23}$$

$$\frac{7.7}{33}$$

$$\frac{10.8}{33}$$

$$\frac{10.7}{17}$$

$$\frac{9.4}{12}$$

$$90$$

$$\frac{9.5}{13}$$

$$\frac{13.0}{22}$$

$$\frac{13.3}{33}$$

$$\frac{11.3}{33}$$

$$\frac{11.0}{16}$$

$$\frac{9.2}{12}$$

$$82$$

$$\frac{9.8}{11}$$

$$\frac{10.8}{14}$$

$$\frac{11.2}{27}$$

$$\frac{11.2}{33}$$

$$\frac{7.6}{33}$$

$$\frac{9.4}{30}$$

$$\frac{9.9}{17}$$

$$\frac{8.3}{12}$$

$$80$$

$$\frac{8.4}{18}$$

$$\frac{6.2}{26}$$

$$\frac{6.2}{33}$$

$$\frac{6.0}{33}$$

$$\frac{7.3}{13}$$

$$68$$

$$\frac{2.2}{15}$$

$$\frac{6.0}{23}$$

$$\frac{6.0}{33}$$

$$\frac{3.9}{33}$$

$$\frac{5.2}{27}$$

$$\frac{5.4}{20}$$

$$\frac{6.2}{17}$$

$$\frac{6.8}{12}$$

$$63$$

$$\frac{6.9}{14}$$

$$\frac{6.4}{21}$$

$$\frac{6.4}{33}$$

STA. B.S. H.I. F.S. Elev.

300⁴¹

10+00

97.6

T.P.

202

298³⁹

860

306⁹⁹

10+60

299.8

10+84

300.6

11+00

300.7

12+00

01.6

12+86 Approx. Prop. Line.

01.7

13+00

01.7

13+20 c Margaret St.

01.8

13+53 Approx Prop. Line

02.0

14+00

01.5

B.M. Top Hyp. Margaret St.

224

304⁸³

= 304.75

-L-

-R-

$\frac{2.2}{33}$ $\frac{2.2}{30}$ $\frac{3.4}{26}$ $\frac{3.6}{15}$ 2.8 $\frac{3.4}{12}$ $\frac{3.1}{18}$ $\frac{2.0}{20}$ $\frac{1.2}{33}$

$\frac{4.7}{33}$ $\frac{6.3}{30}$ $\frac{6.8}{18}$ $\frac{8.0}{15}$ 7.2 $\frac{7.3}{12}$ $\frac{5.4}{20}$ $\frac{5.4}{33}$

$\frac{4.4}{33}$ $\frac{5.0}{30}$ $\frac{6.0}{19}$ $\frac{7.1}{15}$ 6.4 $\frac{6.9}{12}$ $\frac{5.5}{33}$

$\frac{4.8}{33}$ $\frac{5.1}{25}$ $\frac{6.6}{17}$ 6.3 $\frac{6.6}{11}$ $\frac{5.1}{23}$ $\frac{5.1}{33}$

$\frac{5.2}{33}$ $\frac{5.3}{20}$ $\frac{6.0}{17}$ 5.4 $\frac{5.9}{19}$ $\frac{5.2}{33}$

$\frac{5.3}{33}$ $\frac{5.1}{21}$ $\frac{5.6}{20}$ 5.3 $\frac{5.6}{22}$ $\frac{4.4}{26}$ $\frac{4.4}{33}$

$\frac{5.3}{33}$ $\frac{5.1}{23}$ $\frac{5.5}{19}$ 5.3 $\frac{6.1}{16}$ $\frac{5.2}{22}$ $\frac{5.2}{33}$

$\frac{5.0}{33}$ 5.2 $\frac{5.7}{33}$

S.W $\frac{4.6}{33}$ S.W $\frac{4.9}{13}$ 5.0 S.W $\frac{4.2}{21}$ S.W $\frac{4.9}{33}$

$\frac{3.4}{33}$ $\frac{4.5}{31}$ $\frac{5.0}{20}$ $\frac{5.3}{19}$ 5.5 $\frac{6.1}{19}$ $\frac{5.6}{20}$ $\frac{5.0}{33}$

STA. B.S. H.I. F.S. EIV.

306⁹⁹

14+74 00.7

15+00 200.1

15+90 299.8

16+00 99.2

16+38 98.4

17+00 97.0

17+30 96.2

17+65 95.4

18+00 94.3

18+50 93.0

T. P. 1377 293.22

303 296²⁵

18+77 92.5

19+00 92.3

-L-

-P-

S.W. S.W.

$$\frac{4.7}{33}$$

$$\frac{5.8}{21}$$

$$\frac{5.8}{19}$$

$$\frac{6.2}{17}$$

$$6.3$$

$$\frac{6.7}{17}$$

$$\frac{6.0}{21}$$

$$\frac{5.3}{33}$$

$$\frac{2.8}{33}$$

$$\frac{3.2}{25}$$

$$\frac{6.0}{21}$$

$$\frac{6.0}{18}$$

$$\frac{6.5}{17}$$

$$6.9$$

$$\frac{7.6}{18}$$

$$\frac{6.4}{23}$$

$$\frac{5.6}{33}$$

S.W.

S.W.

$$\frac{5.0}{33}$$

$$\frac{5.5}{25}$$

$$\frac{6.6}{21}$$

$$\frac{6.6}{19}$$

$$\frac{7.4}{15}$$

$$7.2$$

$$\frac{8.4}{14}$$

$$\frac{7.6}{24}$$

$$\frac{6.7}{33}$$

S.W.

S.W.

$$\frac{5.7}{33}$$

$$\frac{6.1}{25}$$

$$\frac{7.5}{19}$$

$$\frac{7.5}{17}$$

$$\frac{8.4}{11}$$

$$7.8$$

$$\frac{8.6}{15}$$

$$\frac{8.0}{21}$$

$$\frac{9.0}{33}$$

$$\frac{5.5}{33}$$

$$\frac{5.0}{28}$$

$$\frac{8.0}{14}$$

$$\frac{9.2}{11}$$

$$8.6$$

$$\frac{9.1}{16}$$

$$\frac{7.6}{22}$$

$$\frac{7.5}{33}$$

$$\frac{8.0}{33}$$

$$\frac{7.1}{21}$$

$$\frac{10.8}{10}$$

$$10.0$$

$$\frac{10.5}{11}$$

$$\frac{9.0}{14}$$

$$\frac{7.4}{23}$$

$$\frac{7.2}{33}$$

$$\frac{8.8}{33}$$

$$\frac{7.4}{23}$$

$$\frac{11.6}{10}$$

$$10.8$$

$$\frac{11.2}{11}$$

$$\frac{5.0}{23}$$

$$\frac{4.7}{33}$$

$$\frac{10.0}{33}$$

$$\frac{9.0}{23}$$

$$\frac{12.4}{11}$$

$$11.6$$

$$\frac{12.3}{11}$$

$$\frac{5.2}{23}$$

$$\frac{5.0}{33}$$

$$\frac{11.0}{33}$$

$$\frac{11.5}{23}$$

$$\frac{13.1}{18}$$

$$\frac{13.4}{11}$$

$$12.7$$

$$\frac{13.3}{11}$$

$$\frac{8.7}{21}$$

$$\frac{8.3}{33}$$

$$\frac{13.8}{33}$$

$$\frac{14.4}{14}$$

$$14.0$$

$$\frac{14.3}{11}$$

$$\frac{14.3}{17}$$

$$\frac{10.2}{27}$$

$$\frac{10.0}{33}$$

$$\frac{2.8}{38}$$

$$\frac{4.3}{23}$$

$$\frac{4.0}{13}$$

$$3.8$$

$$\frac{4.2}{11}$$

$$\frac{5.0}{18}$$

$$\frac{4.6}{28}$$

$$\frac{2.4}{33}$$

$$\frac{3.3}{33}$$

$$\frac{4.8}{29}$$

$$\frac{5.0}{17}$$

$$\frac{4.4}{14}$$

$$4.0$$

$$\frac{4.6}{13}$$

$$\frac{6.0}{18}$$

$$\frac{6.3}{33}$$

STA. B.S. H.I. F.S. Elev.
296²⁵

19+77 approx^{West} Prop Line Charles St 91.3

20+00 approx Charles + 16th St. 91.5

B.M. top. Hydr. Charles + 16th St

1.97

294²⁸

T.P.

B.M. = 294³⁰

4.07 298³⁷

20+30 91.3

21+00 91.7

22+00 92.2

22+50 92.8

23+00 94.0

24+00 93.6

25+00 92.2

-L-

-P-

$$\frac{50}{33}$$

$$\frac{49}{20}$$

$$50$$

$$\frac{58}{14}$$

$$\frac{55}{33}$$

$$\frac{46}{33}$$

$$\frac{47}{25}$$

$$48$$

$$\frac{51}{17}$$

$$\frac{53}{33}$$

$$\frac{78}{33}$$

$$\frac{72}{21}$$

$$\frac{81}{19}$$

$$\frac{70}{12}$$

$$71$$

$$\frac{73}{6}$$

$$\frac{80}{33}$$

$$\frac{66}{33}$$

$$\frac{68}{24}$$

$$\frac{83}{19}$$

$$\frac{83}{17}$$

$$\frac{72}{12}$$

$$62$$

$$\frac{71}{8}$$

$$\frac{90}{17}$$

$$\frac{82}{20}$$

$$\frac{90}{33}$$

$$\frac{66}{33}$$

$$\frac{66}{24}$$

$$\frac{71}{19}$$

$$\frac{71}{17}$$

$$\frac{60}{14}$$

$$52$$

$$\frac{54}{10}$$

$$\frac{64}{15}$$

$$\frac{58}{22}$$

$$\frac{58}{33}$$

$$\frac{26}{33}$$

$$\frac{36}{17}$$

$$\frac{45}{15}$$

$$46$$

$$\frac{59}{9}$$

$$\frac{43}{12}$$

$$\frac{45}{33}$$

$$\frac{28}{33}$$

$$\frac{38}{14}$$

$$44$$

$$\frac{47}{12}$$

$$\frac{55}{15}$$

$$\frac{56}{33}$$

$$\frac{42}{33}$$

$$\frac{52}{21}$$

$$\frac{52}{11}$$

$$48$$

$$\frac{56}{11}$$

$$\frac{78}{17}$$

$$\frac{67}{22}$$

$$\frac{77}{33}$$

$$\frac{59}{33}$$

$$\frac{60}{20}$$

$$\frac{64}{9}$$

$$62$$

$$\frac{70}{10}$$

$$\frac{86}{15}$$

$$\frac{78}{18}$$

$$\frac{81}{33}$$

STA.	B.S.	H.I.	FS.	EIV.
		298 ³⁷		

26+00				92.0
-------	--	--	--	------

26+13	approx. WEST LINE of Henry St.			92.0
-------	--------------------------------	--	--	------

26+45	INT. HENRY ST. + 16 th AVE			92.2
-------	---------------------------------------	--	--	------

26+79				92.1
-------	--	--	--	------

27				92.0
----	--	--	--	------

T.P.	889	304.71	2.55	295.82
------	-----	--------	------	--------

28				92.1
----	--	--	--	------

29				94.3
----	--	--	--	------

30				300.0
----	--	--	--	-------

31				61.5
----	--	--	--	------

32				97.7
----	--	--	--	------

+27	W. prop. of E. Co. Line.			97.6
-----	--------------------------	--	--	------

+60	E. of Fare, E. Co. Line.			97.66
-----	--------------------------	--	--	-------

B.M.		5.06	299.65	
------	--	------	--------	--

$$\frac{6.6}{33} \quad \frac{6.6}{21} \quad \frac{7.0}{10} \quad 6.9 \quad \frac{7.4}{9} \quad \frac{8.6}{14} \quad \frac{8.5}{33}$$

$$\frac{6.9}{33} \quad \frac{6.6}{21} \quad \frac{7.1}{11} \quad 6.9 \quad \frac{7.3}{10} \quad \frac{8.6}{15} \quad \frac{8.3}{33}$$

$$\frac{5.9}{33} \quad \frac{6.1}{28} \quad 6.2 \quad \frac{7.7}{33}$$

$$\frac{6.0}{33} \quad \frac{6.2}{12} \quad 6.3 \quad \frac{7.0}{7} \quad \frac{7.2}{13} \quad \frac{7.8}{19} \quad \frac{8.8}{22} \quad \frac{8.8}{33}$$

$$\frac{6.0}{33} \quad \frac{6.1}{15} \quad 6.4 \quad \frac{7.4}{9} \quad \frac{7.2}{12} \quad \frac{7.2}{14} \quad \frac{8.0}{19} \quad \frac{8.6}{26} \quad \frac{9.0}{33}$$

Top of Hyd. N.W. Cor. Henry and 16th

$$\frac{15.0}{33} \quad \frac{12.7}{18} \quad \frac{13.2}{12} \quad 12.6 \quad \frac{13.2}{10} \quad \frac{14.3}{13} \quad \frac{13.8}{26} \quad \frac{13.8}{33}$$

$$\frac{11.2}{33} \quad \frac{11.2}{23} \quad \frac{10.2}{14} \quad 10.4 \quad \frac{10.8}{13} \quad \frac{10.2}{33}$$

$$\frac{3.5}{33} \quad \frac{4.2}{15} \quad \frac{5.2}{13} \quad 4.7 \quad \frac{5.3}{13} \quad \frac{2.8}{20} \quad \frac{2.7}{33}$$

$$\frac{3.2}{33} \quad \frac{3.2}{14} \quad \frac{3.6}{11} \quad 3.2 \quad \frac{4.0}{14} \quad \frac{1.0}{22} \quad \frac{1.4}{33}$$

$$\frac{8.8}{33} \quad \frac{8.5}{15} \quad \frac{7.6}{8} \quad 7.0 \quad \frac{7.0}{14} \quad \frac{7.6}{33}$$

$$\frac{9.9}{33} \quad \frac{7.5}{22} \quad \frac{7.6}{10} \quad 7.1 \quad \frac{7.2}{15} \quad \frac{8.6}{25} \quad \frac{8.6}{33}$$

$$\frac{7.3}{33} \quad 7.05 \quad \frac{6.75}{33} \quad -$$

Hyd.

BM 7.77 303.59 295.82

Henry St. 16th To 17th Ave.

0+00 292.1

1 297.0

+55 ~~E~~ Alley 302.4

T.P. 7.41 310.02 0.98 302.61

2 05.4

+40 06.7

3 So. Prop line 02.9

+23 ~~E~~ 17th Ave. 02.2

B.M. 0.9 304.75 5.36 304.66 305.37 N.G.

T.P. 1.06 296.90 8.91 295.84

B.M. 2.60 294.30 294.30 ✓

Left K Right
Top of Hyd.

$$\frac{11.5}{33} \quad 11.5 \quad \frac{11.5}{33}$$

$$\frac{7.3}{33} \quad \frac{7.6}{19} \quad \frac{7.0}{13} \quad 6.6 \quad \frac{6.4}{13} \quad \frac{7.2}{17} \quad \frac{7.2}{33}$$

$$\frac{3.1}{33} \quad \frac{2.4}{14} \quad 12 \quad \frac{0.4}{16} \quad \frac{0.6}{33}$$

$$\frac{7.3}{33} \quad \frac{5.0}{8} \quad 46 \quad \frac{3.3}{14} \quad \frac{3.4}{33}$$

$$\frac{8.2}{33} \quad \frac{8.2}{28} \quad \frac{5.6}{10} \quad \frac{3.0}{3} \quad 33 \quad \frac{2.6}{13} \quad \frac{1.6}{33}$$

$$\frac{8.2}{33} \quad \frac{8.0}{15} \quad \frac{4.7}{3} \quad 7.1 \quad \frac{7.0}{9} \quad \frac{1.5}{33}$$

$$\frac{8.1}{33} \quad 7.8 \quad \frac{7.8}{33}$$

Top Hyd. N.E. Int. of 17th Ave and Henry St.

Top Hyd. N.W. cor. 16th Ave and Charles St.

Sta.	+	H.I.	-	Elev.
B.M.	0.44	280.35		279.91
15 th Ave = 4 th St To Helen				
0+00				266.9
+44				69.7
1				70.4
2				74.2
T.P.	2.55	278.10	4.80	275.55
+50				74.5
3				73.7
4				72.8
5				70.5
6				72.5
+52.31		± 3 rd St.		75.5
T.P.	6.70	283.08	1.72	276.38
7				78.6
B.M.			3.18	279.90
+75				76.5
8				76.4

Left & Right.
Top Hyd NE cor. of 3rd St N.W. + 15th Ave.

$$\frac{10.6}{33} \quad \frac{11.5}{5} \quad 13.5 \quad \frac{14.5}{4} \quad \frac{16.0}{33}$$

$$\frac{10.4}{33} \quad \frac{11.2}{23} \quad 10.5 \quad \frac{13.5}{6} \quad \frac{14.7}{33}$$

$$\frac{9.6}{33} \quad \frac{9.7}{17} \quad 10.0 \quad \frac{10.0}{8} \quad \frac{12.4}{12} \quad \frac{13.2}{33}$$

$$\frac{2.0}{33} \quad \frac{2.6}{22} \quad \frac{6.3}{14} \quad 6.2 \quad \frac{6.2}{10} \quad \frac{4.5}{15} \quad \frac{5.5}{33}$$

Top Hyd.

$$\frac{2.2}{33} \quad \frac{2.3}{16} \quad \frac{3.6}{12} \quad 3.6 \quad \frac{4.0}{6} \quad \frac{3.3}{12} \quad \frac{4.8}{33}$$

$$\frac{5.2}{33} \quad \frac{4.5}{19} \quad \frac{4.5}{11} \quad 4.4 \quad \frac{5.0}{6} \quad \frac{6.3}{13} \quad \frac{6.6}{33}$$

$$\frac{4.0}{33} \quad \frac{5.3}{11} \quad 5.3 \quad \frac{6.0}{12} \quad \frac{4.3}{33}$$

$$\frac{8.2}{33} \quad \frac{7.8}{9} \quad 7.6 \quad \frac{8.0}{8} \quad \frac{10.2}{33}$$

$$\frac{6.0}{33} \quad \frac{7.0}{15} \quad \frac{6.0}{13} \quad 5.8 \quad \frac{6.0}{8} \quad \frac{7.0}{14} \quad \frac{6.2}{33}$$

$$\frac{4.5}{33} \quad \frac{4.0}{20} \quad \frac{3.0}{15} \quad 2.6 \quad \frac{2.5}{9} \quad \frac{2.5}{33}$$

$$\frac{5.5}{33} \quad \frac{4.0}{16} \quad \frac{4.6}{13} \quad 4.5 \quad \frac{4.6}{7} \quad \frac{3.0}{11} \quad \frac{3.0}{33}$$

$$\frac{12.5}{33} \quad \frac{7.2}{16} \quad 6.6 \quad \frac{7.0}{9} \quad \frac{9.0}{16} \quad \frac{7.2}{33}$$

$$\frac{10.2}{33} \quad \frac{7.0}{20} \quad \frac{6.8}{12} \quad 6.7 \quad \frac{6.7}{7} \quad \frac{7.8}{18} \quad \frac{7.3}{33}$$

Sta	+	HI	-	Elev.	
		283.08			
8+75				79.0	
9				78.8	
10				79.3	
11				79.1	
12				78.4	
13+05		± 2		77.2	
B.M.	6.54	284.84	4.78	278.30	278.47
14				74.2	
+80				73.3	
15				73.2	
16				76.2	
17				78.8	
18				81.3	
19				83.7	

LEFT & RIGHT

$\frac{3.6}{33}$ $\frac{5.0}{20}$ $\frac{4.2}{16}$ 4.1 $\frac{4.1}{7}$ $\frac{3.2}{10}$ $\frac{2.2}{33}$

$\frac{4.3}{33}$ $\frac{4.4}{18}$ 4.3 $\frac{4.5}{7}$ $\frac{4.7}{15}$ $\frac{3.0}{23}$ $\frac{2.5}{33}$

$\frac{4.7}{33}$ $\frac{4.3}{12}$ 3.8 $\frac{4.1}{8}$ $\frac{3.4}{19}$ $\frac{3.5}{33}$

$\frac{4.2}{33}$ $\frac{4.4}{15}$ 4.0 $\frac{4.4}{11}$ $\frac{4.0}{20}$ $\frac{1.5}{25}$ $\frac{1.0}{33}$

$\frac{6.2}{33}$ $\frac{5.2}{11}$ 4.7 $\frac{5.0}{10}$ $\frac{4.5}{33}$

$\frac{4.7}{33}$ $\frac{4.6}{18}$ $\frac{6.0}{17}$ 5.8 $\frac{5.8}{12}$ $\frac{5.8}{33}$

Top Hyd. Int 2nd + 15th Ave.

$\frac{13.3}{33}$ $\frac{13.3}{8}$ $\frac{10.8}{13}$ 10.6 $\frac{10.7}{9}$ $\frac{12.2}{15}$ $\frac{12.0}{28}$ $\frac{11.0}{33}$

$\frac{14.4}{33}$ $\frac{14.6}{18}$ $\frac{11.8}{13}$ 11.5 $\frac{11.6}{7}$ $\frac{14.5}{13}$ $\frac{14.5}{26}$ $\frac{13.5}{33}$

$\frac{13.4}{33}$ $\frac{14.0}{18}$ $\frac{11.8}{12}$ 11.6 $\frac{11.6}{8}$ $\frac{13.2}{12}$ $\frac{12.8}{33}$

$\frac{9.4}{33}$ $\frac{10.0}{17}$ $\frac{9.2}{15}$ 8.6 $\frac{8.7}{8}$ $\frac{9.2}{20}$ $\frac{9.2}{33}$

$\frac{6.6}{33}$ $\frac{7.3}{17}$ $\frac{6.3}{15}$ 6.0 $\frac{6.0}{11}$ $\frac{6.8}{15}$ $\frac{6.0}{33}$

$\frac{6.4}{33}$ $\frac{6.4}{17}$ $\frac{4.6}{13}$ 3.5 $\frac{4.0}{11}$ $\frac{5.0}{17}$ $\frac{4.0}{26}$ $\frac{4.0}{33}$

$\frac{3.0}{33}$ $\frac{2.7}{17}$ $\frac{2.0}{12}$ 1.1 $\frac{1.4}{10}$ $\frac{0.0}{33}$

284.84

19+58⁵²± First St by 15th Ave. 84^N

T.P. 9.66 294.07 0.43 284.41

20 84.8

B.M. 6.70 287.37 287.57

21 85.9

22 88.6

23 89.6

24 90.6

25 91.0

26 92.4

+ 119^B

± Helen St. 92.5

T.P. 3.88 296.45 1.50 292.57

B.M. 0.54 295.49 1.79 294.66 294.95

B.M. 0.05 287.69 7.85 287.64

B.M. 5.57 284.13 9.13 278.56 278.47

B.M. 3.95 280.18 279.91

$$\frac{0.8}{33} \quad 0.3 \quad \frac{0.5}{33}$$

$$\frac{9.7}{33} \quad \frac{10.2}{17} \quad \frac{9.7}{14} \quad 9.3 \quad \frac{9.8}{10} \quad \frac{10.0}{33}$$

Top Hyd. N.E. Cor. Int. 15th + 15th Ave.

$$\frac{11.0}{33} \quad \frac{11.0}{29} \quad \frac{9.0}{12} \quad 8.2 \quad \frac{8.8}{11} \quad \frac{8.5}{33}$$

$$\frac{6.3}{33} \quad \frac{6.0}{14} \quad 5.5 \quad \frac{6.0}{11} \quad \frac{4.7}{16} \quad \frac{3.5}{33}$$

$$\frac{5.8}{33} \quad \frac{5.1}{17} \quad 4.5 \quad \frac{4.7}{15} \quad \frac{3.5}{19} \quad \frac{3.5}{33}$$

$$\frac{4.0}{33} \quad \frac{4.4}{18} \quad 3.5 \quad \frac{3.8}{10} \quad \frac{4.0}{33}$$

$$\frac{1.6}{33} \quad \frac{1.6}{19} \quad \frac{2.7}{16} \quad 2.1 \quad \frac{2.6}{10} \quad \frac{2.1}{33}$$

$$\frac{2.0}{33} \quad 1.7 \quad \frac{2.0}{23} \quad \frac{1.8}{33}$$

$$\frac{1.8}{33} \quad 1.6 \quad \frac{1.6}{26} \quad \frac{1.4}{33}$$

Top Hyd. N.E. cor 15th Ave^{2nd} & Helen

Hyd 2nd and 15th

" 3rd " 15th. Ave

Sta. + H.I. -

BM 0.56 287.93 287.37

N.W. (First St. = 15th Ave To 16th Ave.)0+00 £ 15th Ave. 84.5

1+00 82.2

+65 Alley. Right side only. 80.8

2 80.8

3 81.1

+30 £ 16th Ave. N.W. 81.3

B.M. 0.56 287.37

(E. 2nd St. N.W. = 13th Ave To 14th Ave.)

B.M. 5.08 274.73 269.65

0+00 £ 13th Ave. 69.0

1 69.9

2 77.3

T.P. 8.42 282.99 0.16 274.57

3 77.3

+30 £ 14th St 78.4

Top Hyd. Cor. 1st and 15th Ave.

$$\frac{3.6}{33} \quad 34 \quad \frac{3.2}{33}$$

$$\frac{6.0}{33} \quad \frac{6.7}{21} \quad \frac{6.0}{14} \quad 5.7 \quad \frac{6.0}{10} \quad \frac{6.4}{13} \quad \frac{5.5}{33}$$

$$\frac{8.2}{33} \quad \frac{8.7}{19} \quad \frac{7.5}{15} \quad 7.1 \quad \frac{7.5}{9} \quad \frac{8.7}{33}$$

$$\frac{9.2}{33} \quad \frac{9.2}{20} \quad \frac{7.8}{15} \quad 7.1 \quad \frac{7.1}{10} \quad \frac{10.7}{20} \quad \frac{11.1}{33}$$

$$\frac{8.0}{33} \quad \frac{7.8}{25} \quad \frac{7.1}{17} \quad 6.8 \quad \frac{6.6}{9} \quad \frac{8.6}{18} \quad \frac{8.8}{33}$$

$$\frac{7.2}{33} \quad 66 \quad \frac{6.4}{33}$$

Top Hyd. 2nd St. N.Y. and 13th Ave.

$$\frac{5.7}{33} \quad 5.7 \quad \frac{4.7}{33}$$

$$\frac{6.2}{33} \quad \frac{5.8}{16} \quad \frac{4.8}{5} \quad 4.8 \quad \frac{5.0}{12} \quad \frac{4.7}{21} \quad \frac{3.8}{25} \quad \frac{3.5}{33}$$

$$\frac{2.3}{33} \quad \frac{2.5}{22} \quad \frac{3.5}{16} \quad 2.4 \quad \frac{2.6}{10} \quad \frac{2.6}{12} \quad \frac{2.8}{33}$$

$$\frac{5.2}{33} \quad \frac{5.6}{22} \quad \frac{7.2}{17} \quad 5.7 \quad \frac{5.7}{14} \quad \frac{4.7}{33}$$

$$\frac{4.8}{33} \quad 4.6 \quad \frac{4.5}{33} \quad -$$

+ HI. - Elev
 2nd St. N.W. = 14th Ave To 15th Ave
 282.99

0+00 78.0

1 78.5

+65 Alley 77.6

2 77.2

3 77.4

+30 £ 15th Ave 77.5

T.P. 2.99 275.17 10.81 272.18

B.M. 554 → 275.17 5.54 269.63 269.65

(W 2nd St N.W. = 13th St To 14th St.)

0+00 → £ 13th Ave. 63.7

1 65.4

2 70.0

3 73.9

+30 £ 14th Ave. 74.7

B.M. 554 269.63

Left & RIGHT.

$$\frac{5.2}{33} \quad 5.0 \quad \frac{4.5}{33}$$

$$\frac{3.6}{33} \quad \frac{4.0}{14} \quad \frac{5.0}{10} \quad 4.5 \quad \frac{5.2}{14} \quad \frac{4.0}{24} \quad \frac{4.0}{33}$$

$$\frac{5.2}{33} \quad \frac{5.8}{12} \quad 5.4 \quad \frac{6.0}{11} \quad \frac{6.6}{18} \quad \frac{5.6}{27} \quad \frac{5.5}{33}$$

$$\frac{6.2}{33} \quad \frac{6.2}{13} \quad 5.8 \quad \frac{6.4}{13} \quad \frac{7.4}{33}$$

$$\frac{4.0}{33} \quad \frac{4.4}{21} \quad \frac{6.0}{15} \quad 5.6 \quad \frac{6.2}{14} \quad \frac{8.0}{18} \quad \frac{8.2}{33}$$

$$\frac{5.0}{33} \quad 5.5 \quad \frac{6.5}{33}$$

→ Top Hyd. Int 2nd St N.V. and 13th Ave.

$$\frac{13.0}{33} \quad 11.5 \quad \frac{10.3}{33}$$

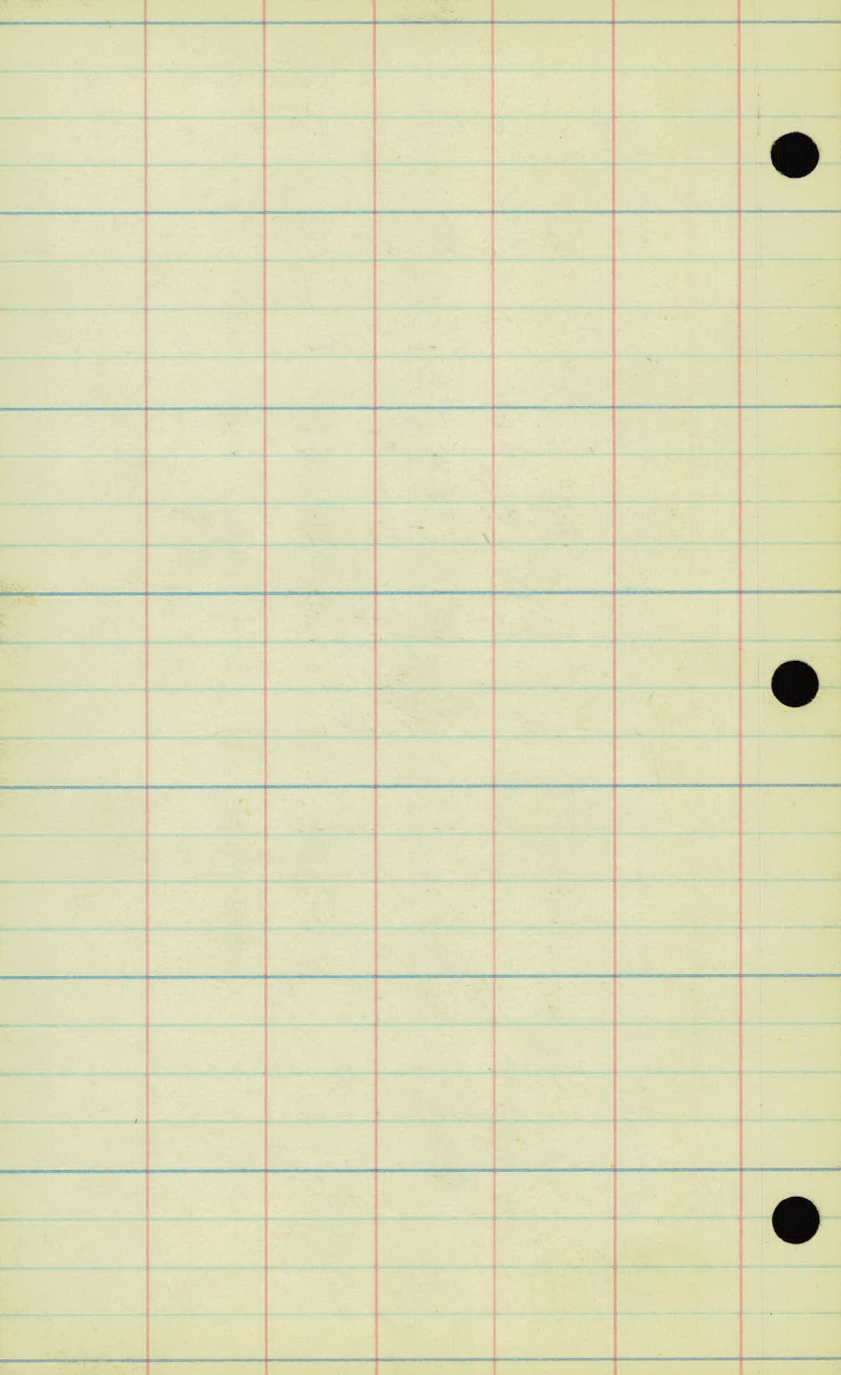
$$\frac{11.7}{33} \quad \frac{10.7}{25} \quad \frac{9.8}{6} \quad 9.8 \quad \frac{10.0}{17} \quad \frac{8.0}{26} \quad \frac{7.3}{33}$$

$$\frac{7.1}{33} \quad \frac{7.3}{27} \quad \frac{6.7}{26} \quad \frac{5.4}{6} \quad 5.2 \quad \frac{5.4}{17} \quad \frac{4.2}{23} \quad \frac{3.8}{33}$$

$$\frac{1.4}{33} \quad \frac{0.7}{21} \quad \frac{1.5}{17} \quad \frac{1.5}{8} \quad 1.3 \quad \frac{1.4}{18} \quad \frac{0.5}{25} \quad \frac{0.4}{33}$$

$$\frac{1.2}{33} \quad 0.5 \quad \frac{0.0}{33}$$

Top Hyd. ✓



MAY 11-32

Strogan

Mrs. Enborg

M^cLaren

Clear

Warm

X Sections

13th Ave - From 4th

To - 1st St.

Sta.	+	H.I.	-	Elev.
B.M.	0.34	269.99		269.65
T.P.	0.14	257.61	12.52	257.47
" "	5.27	250.52	12.36	245.25
0+00		X 4 th St. and 13 th Ave.		40.0

1.				40.5
----	--	--	--	------

2				41.5
---	--	--	--	------

+70				45.5
-----	--	--	--	------

3				46.0
---	--	--	--	------

4				46.0
---	--	--	--	------

5				50.2
---	--	--	--	------

T.P.	10.40	260.49	0.43	250.09
------	-------	--------	------	--------

6	10.40	260.49	0.43	250.09 50.1
---	-------	--------	-----------------	------------------------

+50				51.3
-----	--	--	--	------

→
Appr. ∇ 3rd St.

7				54.3
---	--	--	--	------

+50				57.3
-----	--	--	--	------

8				58.5
---	--	--	--	------

Left. £ Right
Top Hyd. Int. 2nd St. and 13th Ave.

$\frac{11.4}{33}$ $\frac{11.4}{9}$ $\frac{10.7}{6}$ 10.5 $\frac{11.1}{12}$ $\frac{11.7}{22}$ $\frac{13.3}{25}$ $\frac{12.2}{28}$ $\frac{12.2}{33}$

$\frac{10.8}{33}$ $\frac{11.0}{13}$ $\frac{10.4}{6}$ 10.0 $\frac{10.4}{8}$ $\frac{12.1}{22}$ $\frac{11.8}{33}$

$\frac{9.7}{33}$ $\frac{9.2}{6}$ 9.0 $\frac{9.3}{6}$ $\frac{10.7}{33}$

$\frac{3.3}{33}$ $\frac{6.4}{15}$ $\frac{5.7}{13}$ $\frac{5.4}{6}$ 5.0 $\frac{5.5}{8}$ $\frac{5.8}{14}$ $\frac{7.2}{18}$ $\frac{6.6}{33}$

$\frac{3.0}{33}$ $\frac{5.8}{16}$ $\frac{5.0}{14}$ $\frac{5.2}{10}$ 4.5 $\frac{5.5}{11}$ $\frac{6.7}{16}$ $\frac{6.0}{32}$ $\frac{5.0}{33}$ $\frac{5.0}{4}$

$\frac{4.0}{33}$ $\frac{4.6}{15}$ 4.5 $\frac{5.0}{10}$ $\frac{5.7}{13}$ $\frac{6.2}{33}$

$\frac{0.4}{33}$ $\frac{0.0}{20}$ $\frac{1.5}{16}$ $\frac{1.5}{14}$ $\frac{0.5}{13}$ 0.3 $\frac{0.3}{10}$ $\frac{1.8}{15}$ $\frac{1.0}{33}$

$\frac{10.5}{33}$ $\frac{10.8}{15}$ 10.4 $\frac{11.1}{7}$ $\frac{12.4}{12}$ $\frac{13.3}{33}$

$\frac{8.2}{33}$ $\frac{8.2}{20}$ $\frac{9.2}{18}$ $\frac{9.2}{16}$ $\frac{8.7}{13}$ 9.2 $\frac{9.4}{5}$ $\frac{10.7}{16}$ $\frac{11.6}{33}$

$\frac{5.5}{33}$ $\frac{6.2}{10}$ 6.2 $\frac{6.7}{13}$ $\frac{8.0}{17}$ $\frac{8.0}{33}$

$\frac{2.0}{33}$ $\frac{3.3}{11}$ 3.2 $\frac{3.5}{11}$ $\frac{3.7}{19}$ $\frac{2.7}{23}$ $\frac{3.0}{33}$

$\frac{0.7}{33}$ $\frac{1.0}{17}$ $\frac{2.3}{15}$ 2.0 $\frac{1.7}{13}$ $\frac{1.5}{21}$ $\frac{0.5}{23}$ $\frac{1.2}{33}$

Sta. + Ht. - Elev.

260.49

T.P. 11.08 270.02 1.55 258.94

9 59.6

10 61.2

+95⁶³ $\pm$ W 2nd St. N.Y. (North) 63.6

12 66.0

13 +05⁶³ $\pm$ 2nd St. N.Y. (So.) 66.5

B.M. 0.40 269.62 269.65

14 67.2

15 68.9

+15⁶³ $\pm$ E. 2nd N.Y. (No.) 68.9

T.P. 13.77 283.26 0.53 269.49

16 71.6

17 75.3

18 77.6

19 79.9

+59⁵⁵ $\pm$ 1st St and 13 Ave 82.3

Lt.

L

R

$$\frac{10.4}{33} \quad \frac{10.4}{18} \quad \frac{11.8}{14} \quad \frac{11.1}{12} \quad 10.4 \quad \frac{11.4}{14} \quad \frac{12.4}{17} \quad \frac{11.8}{20} \quad \frac{11.7}{33}$$

$$\frac{9.6}{33} \quad \frac{10.2}{13} \quad \frac{9.0}{10} \quad 8.8 \quad \frac{9.6}{12} \quad \frac{10.2}{17} \quad \frac{9.4}{33}$$

$$\frac{6.0}{33} \quad \frac{6.7}{15} \quad 6.4 \quad \frac{6.4}{10} \quad \frac{6.8}{17} \quad \frac{5.5}{33}$$

$$\frac{1.5}{33} \quad \frac{2.2}{21} \quad \frac{3.5}{14} \quad 4.0 \quad \frac{4.0}{15} \quad \frac{3.5}{33}$$

$$\frac{3.1}{33} \quad \frac{3.8}{17} \quad 3.5 \quad \frac{4.5}{33}$$

Top Hyd.

$$\frac{3.8}{33} \quad \frac{3.8}{17} \quad 2.8 \quad \frac{4.2}{11} \quad \frac{4.0}{33}$$

$$\frac{2.2}{33} \quad \frac{1.7}{17} \quad 11 \quad \frac{2.2}{12} \quad \frac{2.8}{17} \quad \frac{1.8}{33}$$

$$\frac{1.2}{33} \quad 11 \quad \frac{2.0}{13} \quad \frac{1.7}{33}$$

$$\frac{11.2}{33} \quad \frac{11.5}{29} \quad \frac{12.2}{20} \quad \frac{12.1}{13} \quad 11.7 \quad \frac{11.8}{13} \quad \frac{13.0}{18} \quad \frac{12.1}{22} \quad \frac{12.3}{33}$$

$$\frac{7.7}{33} \quad \frac{8.1}{20} \quad \frac{9.0}{17} \quad \frac{8.5}{12} \quad 8.0 \quad \frac{8.6}{12} \quad \frac{8.8}{20} \quad \frac{8.1}{25} \quad \frac{8.4}{33}$$

$$\frac{5.6}{33} \quad \frac{6.4}{19} \quad 5.7 \quad \frac{6.6}{12} \quad \frac{8.6}{33}$$

$$\frac{3.6}{33} \quad \frac{3.6}{29} \quad \frac{4.0}{12} \quad 3.4 \quad \frac{3.4}{13} \quad \frac{4.0}{15} \quad \frac{4.0}{17} \quad \frac{3.2}{19} \quad \frac{2.7}{33}$$

$$\frac{1.2}{33} \quad 10 \quad \frac{1.0}{33}$$

Sta. + HI - Elev.
283.26

T.P. 4.30 286.58 0.98 282.28

B.M. 1.54 285.04

= (2nd St. N.W. From 10th Ave To 13th Ave.) =

B.M. 0.92 270.57 269.65

T.P. 0.48 260.49 10.56 260.01

0+00 49.1

1 50.3

2 51.5

3 53.1

+30 ~~£~~ 11th Ave. 53.8

4 55.0

+95 ~~£~~ Alley. (Rt.) 59.8

T.P. 10.48 270.49 0.48 260.01

6 60.5

+60 ~~£~~ 12th Ave. 60.5

7 60.4

Lt. Lt. Lt.

Top Hyd. Int. 1st and 19th Ave. (N.E. cor.)

Top Hyd. Int. 2nd St and 13th Ave.

$\frac{130}{33}$ $\frac{128}{19}$ $\frac{135}{14}$ $\frac{117}{10}$ 11.4 $\frac{11.7}{10}$ $\frac{12.7}{13}$ $\frac{12.4}{33}$

$\frac{120}{33}$ $\frac{117}{15}$ $\frac{104}{11}$ 10.2 $\frac{10.2}{10}$ $\frac{10.6}{14}$ $\frac{10.6}{16}$ $\frac{9.6}{18}$ $\frac{9.4}{33}$

$\frac{9.2}{33}$ $\frac{8.7}{21}$ $\frac{9.7}{17}$ $\frac{8.8}{13}$ 9.0 $\frac{8.8}{11}$ $\frac{9.5}{13}$ $\frac{9.2}{19}$ $\frac{8.3}{33}$

$\frac{7.7}{33}$ $\frac{7.2}{25}$ $\frac{8.6}{22}$ $\frac{8.6}{20}$ $\frac{7.5}{18}$ 7.4 $\frac{7.5}{11}$ $\frac{7.6}{33}$

$\frac{6.8}{33}$ 6.7 $\frac{5.8}{33}$

$\frac{6.7}{33}$ $\frac{6.4}{23}$ $\frac{7.2}{18}$ $\frac{5.7}{13}$ 5.5 $\frac{5.5}{11}$ $\frac{6.2}{16}$ $\frac{6.0}{20}$ $\frac{4.5}{26}$ $\frac{4.5}{33}$

$\frac{1.5}{33}$ $\frac{1.5}{21}$ $\frac{2.5}{19}$ $\frac{2.5}{17}$ $\frac{1.5}{14}$ 0.7 $\frac{1.0}{16}$ $\frac{0.3}{33}$

$\frac{110}{33}$ $\frac{110}{22}$ $\frac{120}{20}$ $\frac{124}{18}$ $\frac{105}{13}$ 10.0 $\frac{100}{14}$ $\frac{86}{24}$ $\frac{85}{33}$

$\frac{11.6}{33}$ 10.0 $\frac{9.3}{33}$

$\frac{11.6}{33}$ $\frac{11.6}{19}$ $\frac{10.5}{10}$ 10.1 $\frac{10.6}{11}$ $\frac{11.0}{33}$

Sta. + Ht. - Elev

270.49

8 60.5

9 62.8

+90 $\pm$ 13th Ave 66.5

B.M. 0.84 269.65 269.65

= (12th Ave = 4th St To Castle Ave.) =

B.M. 4.68 264.69 260.01

B.M. - 0.49 263.70 ✓

T.R 0.32 255.71 9.30 255.39

B.M. 10.67 245.04

0+00 41.4

1 40.2

0+00 TO 3+50

Not traveled

2 41.6

3 46.6

4 50.4

TP 1.02 256.41 0.32 255.39

5 51.2

6 51.7

LEFT & RIGHT

$\frac{12.0}{33}$ $\frac{11.4}{19}$ $\frac{10.4}{10}$ 10.0 $\frac{10.0}{14}$ $\frac{10.5}{16}$ $\frac{9.0}{33}$

$\frac{9.0}{33}$ $\frac{7.6}{23}$ $\frac{8.2}{20}$ $\frac{8.7}{17}$ $\frac{8.0}{15}$ 7.7 $\frac{8.1}{13}$ $\frac{7.7}{20}$ $\frac{6.3}{23}$ $\frac{6.0}{33}$

$\frac{4.1}{33}$ 4.0 $\frac{3.7}{33}$

Top of Hyd. 2nd + 13th Ave.

(25+19) app. to Castle Ave.

= T.P. on above notes.

Top Hyd. N.E. cor. 2nd St and 12th Ave.

Top Rock.

Top Rock 30' Rt 0+00

$\frac{14.3}{33}$ 14.3 $\frac{13.3}{33}$

$\frac{16.8}{33}$ $\frac{17.2}{16}$ $\frac{16.0}{9}$ 15.5 $\frac{15.4}{19}$ $\frac{13.8}{27}$ $\frac{13.8}{33}$

$\frac{16.2}{33}$ $\frac{15.7}{14}$ $\frac{14.7}{8}$ 14.1 $\frac{14.0}{18}$ $\frac{13.2}{25}$ $\frac{13.1}{33}$

$\frac{12.0}{33}$ $\frac{12.0}{19}$ $\frac{9.5}{13}$ 9.1 $\frac{9.7}{14}$ $\frac{8.8}{20}$ $\frac{8.4}{33}$

$\frac{6.8}{33}$ $\frac{6.0}{11}$ 5.3 $\frac{5.5}{18}$ $\frac{4.8}{19}$ $\frac{4.4}{33}$

Top of Rock.

$\frac{6.1}{33}$

$\frac{5.9}{12}$

5.2

$\frac{5.6}{12}$

$\frac{4.4}{33}$

$\frac{6.2}{33}$

$\frac{5.3}{13}$

4.7

$\frac{5.0}{10}$

$\frac{4.4}{11}$

$\frac{4.7}{33}$

STA	+	H. I.	-	Elev.
		256 ⁴¹		
6+52	↓ of 3 rd ST.			52.7
7				52.9
8				51.4
9				51.8
10				52.9
T. P.	10 ³⁷	26576	1.02	255 ³⁹
11				54.8
12				55.8
13+06	↓ 2 nd ST.			60.6
B.M.		205	263 ⁷¹	= 263 ⁷⁰
14				62.7
T. P.	13 ²⁵	27829	0.77	264.99
15				69.6
16				76.7
T. P.	5.32	28264	0.92	277.32
16+50				77.9
17				77.4

-L-

-R-

$$\frac{4.8}{33}$$

$$\frac{3.7}{10}$$

$$3.7$$

$$\frac{4.3}{9}$$

$$\frac{3.0}{11}$$

$$\frac{3.0}{33}$$

$$\frac{4.0}{33}$$

$$\frac{3.2}{11}$$

$$3.5$$

$$\frac{4.1}{9}$$

$$\frac{3.2}{10}$$

$$\frac{2.6}{33}$$

$$\frac{6.2}{33}$$

$$\frac{5.8}{11}$$

$$5.0$$

$$\frac{5.7}{9}$$

$$\frac{5.2}{11}$$

$$\frac{5.2}{33}$$

$$\frac{4.2}{33}$$

$$\frac{4.6}{11}$$

$$4.6$$

$$\frac{5.2}{12}$$

$$\frac{5.6}{33}$$

$$\frac{1.2}{33}$$

$$\frac{2.0}{16}$$

$$\frac{3.2}{14}$$

$$2.5$$

$$\frac{3.5}{12}$$

$$\frac{3.5}{33}$$

$$\frac{10.8}{33}$$

$$\frac{11.2}{15}$$

$$\frac{12.0}{13}$$

$$11.0$$

$$\frac{11.3}{14}$$

$$\frac{11.6}{33}$$

$$\frac{10.8}{33}$$

$$\frac{11.0}{11}$$

$$10.0$$

$$\frac{10.4}{11}$$

$$\frac{10.0}{33}$$

$$\frac{5.3}{33}$$

$$5.2$$

$$\frac{5.8}{33}$$

$$\frac{4.5}{33}$$

$$\frac{4.0}{18}$$

$$3.1$$

$$\frac{4.1}{13}$$

$$\frac{4.0}{33}$$

$$\frac{12.1}{33}$$

$$\frac{11.4}{19}$$

$$\frac{9.2}{11}$$

$$8.6$$

$$\frac{9.0}{19}$$

$$\frac{9.4}{33}$$

$$\frac{2.6}{33}$$

$$\frac{1.0}{12}$$

$$1.5$$

$$\frac{1.2}{14}$$

$$\frac{0.7}{33}$$

$$\frac{6.2}{33}$$

$$\frac{4.2}{11}$$

$$4.7$$

$$\frac{4.4}{12}$$

$$\frac{2.0}{22}$$

$$\frac{1.8}{33}$$

$$\frac{5.3}{33}$$

$$\frac{4.6}{12}$$

$$\frac{5.3}{10}$$

$$5.2$$

$$\frac{4.2}{13}$$

$$\frac{2.4}{27}$$

$$\frac{2.1}{33}$$

STA. + H.I. - EIV.
282⁶⁴

17+75 75.1

18 74.6

19 75.2

19+65 $\hookleftarrow$ 1ST ST. 78.0

T.P. 7.53 289⁶⁶ 0⁵¹ 282.13

20 79.7

21 86.0

T.P. 10.53 298.83 1.36 288³⁰

22 89.8

23 93.0

T.P. 9.88 307⁴³ 1²⁸ 297⁵⁵

24 98.4

24+75 301.4

25 301.2

25+19 301.7

B.M. 2³³ 305¹⁰ = 305³⁰

-L- -R-

$\frac{8.2}{33}$	$\frac{9.5}{19}$	$\frac{8.5}{11}$	7.5	$\frac{7.6}{14}$	$\frac{8.5}{21}$	$\frac{7.1}{33}$
------------------	------------------	------------------	-----	------------------	------------------	------------------

$\frac{9.5}{33}$	$\frac{10.2}{17}$	$\frac{8.5}{11}$	8.0	$\frac{7.6}{16}$	$\frac{11.0}{28}$	$\frac{11.0}{33}$
------------------	-------------------	------------------	-----	------------------	-------------------	-------------------

$\frac{8.6}{33}$	$\frac{7.8}{12}$	7.4	$\frac{8.4}{14}$	$\frac{8.8}{33}$
------------------	------------------	-----	------------------	------------------

$\frac{5.0}{33}$	9.6	$\frac{4.6}{33}$
------------------	-----	------------------

Top Hyd. Int. 12th Ave and 1st St. N.W.

$\frac{9.8}{33}$	$\frac{10.1}{11}$	$\frac{10.6}{9}$	10.0	$\frac{10.6}{19}$	$\frac{10.1}{22}$	$\frac{10.1}{30}$	$\frac{9.0}{33}$
------------------	-------------------	------------------	------	-------------------	-------------------	-------------------	------------------

$\frac{3.5}{33}$	$\frac{3.5}{22}$	$\frac{4.6}{18}$	3.7	$\frac{4.5}{14}$	$\frac{3.4}{33}$
------------------	------------------	------------------	-----	------------------	------------------

$\frac{8.8}{33}$	$\frac{9.3}{14}$	9.0	$\frac{9.6}{15}$	$\frac{10.5}{33}$
------------------	------------------	-----	------------------	-------------------

$\frac{4.2}{33}$	$\frac{5.2}{9}$	$\frac{6.0}{7}$	5.8	$\frac{6.1}{13}$	$\frac{4.8}{20}$	$\frac{6.4}{33}$
------------------	-----------------	-----------------	-----	------------------	------------------	------------------

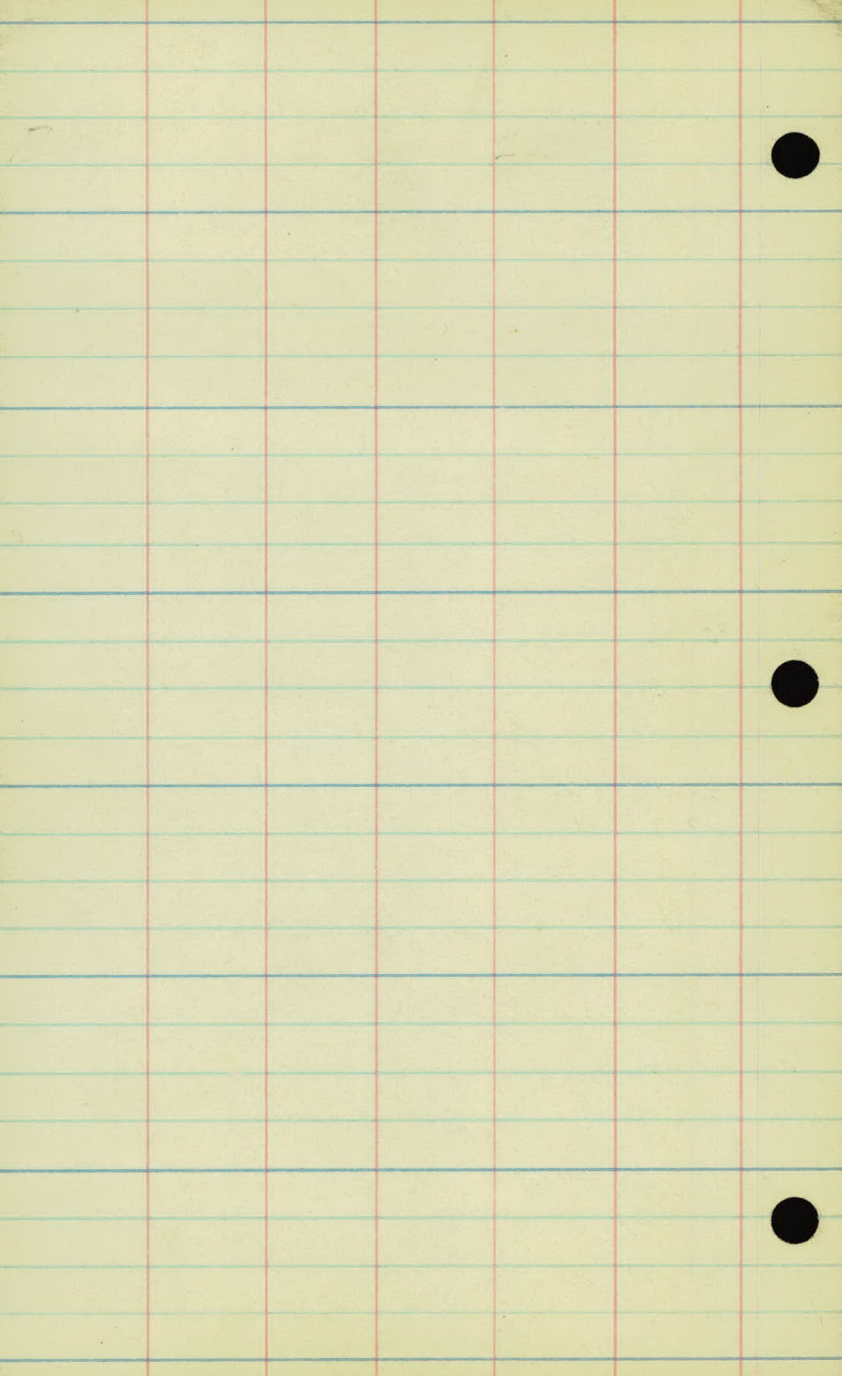
$\frac{4.7}{33}$	$\frac{8.0}{7}$	9.0	$\frac{9.3}{22}$	$\frac{8.6}{23}$	$\frac{7.2}{33}$
------------------	-----------------	-----	------------------	------------------	------------------

$\frac{0.8}{33}$	$\frac{1.7}{23}$	$\frac{3.7}{10}$	6.0	$\frac{7.4}{33}$
------------------	------------------	------------------	-----	------------------

TOP WALL $\frac{0.0}{33}$	$\frac{0.6}{21}$	WALL $\frac{4.2}{21}$	$\frac{5.8}{11}$	6.2	$\frac{7.0}{25}$	$\frac{8.0}{32}$	$\frac{7.4}{33}$
------------------------------	------------------	--------------------------	------------------	-----	------------------	------------------	------------------

$\frac{4.0}{33}$	$\frac{5.8}{13}$	5.2	$\frac{6.3}{16}$	$\frac{7.3}{23}$	$\frac{6.8}{24}$	$\frac{6.1}{33}$
------------------	------------------	-----	------------------	------------------	------------------	------------------

Top. Hyd. 12th Ave & Helen St.



May 12-32

Skoglund
Mesenborg
McLaren
Clear
Vilam

11th Ave. from
3rd St. to 1st St.

STA. + H.I. - EIV
11th Ave. from 3rd to 1st St.

B.M. 0⁷⁰ 264⁹⁰ 263⁷⁰

T.P. 0⁵⁸ 254⁴⁵ 10⁵³ 253⁸⁷ ✓

0+00 E 3rd St. 50.1

1 48.8

2 48.1

3 49.9

4 51.3

5 53.1

6 53.7

6+55 E 2nd St. 53.8

T.P. 11⁷⁵ 265⁶² 0⁵⁸ 253⁸⁷ ✓

7 55.1

-L-

-R-

Top Hyp. N.E. Cor. 2nd St. + 12th Ave.

$$\frac{4.2}{33} \quad \frac{5.0}{14} \quad 9.4 \quad \frac{5.7}{13} \quad \frac{5.5}{33}$$

$$\frac{7.0}{33} \quad \frac{7.2}{16} \quad \frac{5.8}{13} \quad 5.2 \quad \frac{5.7}{10} \quad \frac{6.4}{13} \quad \frac{6.5}{33}$$

$$\frac{7.7}{33} \quad \frac{7.7}{17} \quad 6.4 \quad \frac{6.6}{13} \quad \frac{6.0}{17} \quad \frac{5.7}{33}$$

$$\frac{7.0}{33} \quad \frac{6.6}{18} \quad \frac{5.6}{12} \quad 4.6 \quad \frac{5.4}{12} \quad \frac{5.2}{33}$$

$$\frac{4.8}{33} \quad \frac{4.4}{14} \quad 3.2 \quad \frac{3.6}{9} \quad \frac{4.3}{13} \quad \frac{4.2}{33}$$

$$\frac{4.05}{33} \quad \frac{0.6}{20} \quad \frac{2.1}{15} \quad \frac{2.1}{13} \quad \frac{1.5}{11} \quad 1.4 \quad \frac{1.5}{10} \quad \frac{2.7}{15} \quad \frac{2.4}{33}$$

$$\frac{1.0}{33} \quad \frac{1.3}{11} \quad \frac{2.0}{14} \quad \frac{1.5}{13} \quad 0.8 \quad \frac{1.0}{8} \quad \frac{2.0}{15} \quad \frac{1.6}{33}$$

$$\frac{0.4}{33} \quad 0.7 \quad \frac{1.4}{33}$$

$$\frac{9.6}{33} \quad \frac{9.5}{17} \quad \frac{10.2}{12} \quad \frac{10.5}{10} \quad \frac{10.6}{7} \quad \frac{11.2}{11} \quad \frac{12.5}{33}$$

STA. + H.I. - E.I.V.

265⁶²

7+50

58.3

8

60.6

9

64.4

T.P.

1378

278⁸¹

059

265⁰³

10

70.6

10+60

75.2

11

76.✓

T.P.

421

281⁶⁹

133

277⁴⁸

11+70

78.9

12

77.7

12+70

73.4

13+10

△

1ST ST. N.W.

73.9

T.P.

510

282⁶³

416

277⁵³

B.M.

049

282⁴ =

-L-

-R-

$$\frac{7.0}{33}$$

$$\frac{7.0}{9}$$

$$73$$

$$\frac{7.2}{12}$$

$$\frac{6.6}{14}$$

$$\frac{7.1}{33}$$

$$\frac{48}{33}$$

$$\frac{5.5}{18}$$

$$\frac{45}{10}$$

$$\frac{5.2}{8}$$

$$50$$

$$\frac{46}{14}$$

$$\frac{3.2}{13}$$

(33)

$$\frac{0.7}{33}$$

$$\frac{1.6}{18}$$

$$\frac{1.2}{11}$$

$$\frac{1.7}{9}$$

$$1.2$$

$$\frac{1.5}{16}$$

$$\frac{1.0}{20}$$

$$\frac{0.0}{33}$$

$$\frac{6.4}{33}$$

$$\frac{6.4}{21}$$

$$\frac{7.4}{19}$$

$$\frac{7.4}{12}$$

$$\frac{8.4}{8}$$

$$8.2$$

$$\frac{8.2}{14}$$

$$\frac{9.5}{17}$$

$$\frac{9.5}{19}$$

$$\frac{8.5}{21}$$

$$\frac{8.5}{33}$$

$$\frac{4.0}{33}$$

$$\frac{3.4}{23}$$

$$\frac{4.0}{14}$$

$$36$$

$$\frac{3.6}{15}$$

$$\frac{4.0}{17}$$

$$\frac{4.0}{19}$$

$$\frac{3.3}{22}$$

$$\frac{4.4}{33}$$

$$\frac{3.1}{33}$$

$$\frac{2.6}{28}$$

$$\frac{2.5}{15}$$

$$26$$

$$\frac{3.0}{11}$$

$$\frac{3.5}{17}$$

$$\frac{3.0}{22}$$

$$\frac{3.8}{33}$$

$$\frac{1.2}{33}$$

$$\frac{1.2}{22}$$

$$\frac{2.4}{15}$$

$$28$$

$$\frac{2.8}{12}$$

$$\frac{3.4}{14}$$

$$\frac{4.5}{26}$$

$$\frac{7.7}{33}$$

$$\frac{1.0}{33}$$

$$\frac{1.6}{21}$$

$$\frac{3.8}{14}$$

$$40$$

$$\frac{4.0}{8}$$

$$\frac{5.2}{18}$$

$$\frac{6.8}{22}$$

$$\frac{8.5}{30.5}$$

$$\frac{8.5}{33}$$

$$\frac{5.0}{33}$$

$$\frac{7.2}{10}$$

$$83$$

$$\frac{9.5}{17}$$

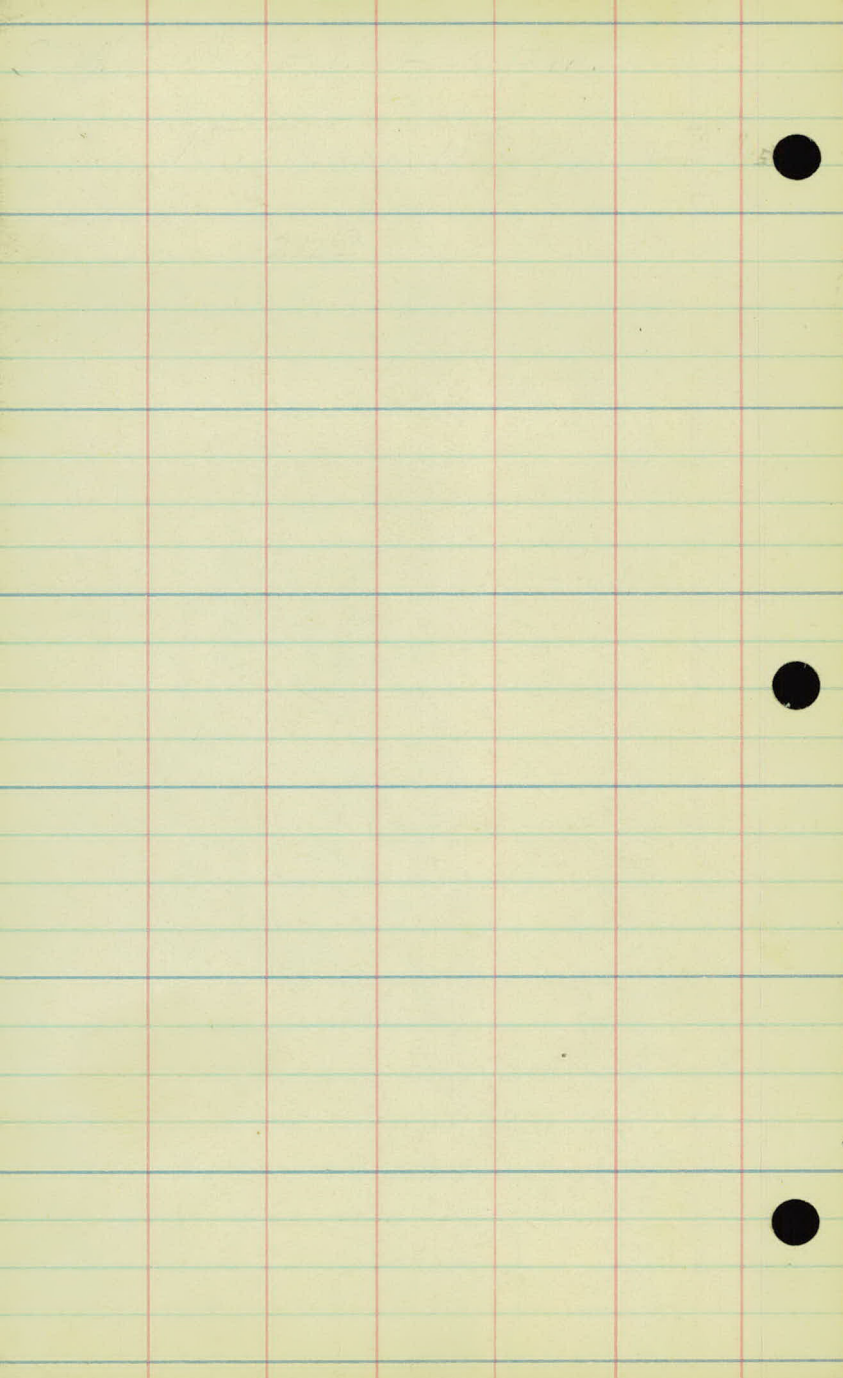
$$\frac{10.8}{33}$$

$$\frac{6.4}{33}$$

$$78$$

$$\frac{9.4}{33}$$

B.M. Top Hyd. N.E. Cor. 12th Ave + 1st St.



MAY 12-32

Skoglund
mesenbourg
McLaren

Clear Warm

1ST N. W FROM 11TH AVE N.W.
TO
INT. of 12TH AVE N.W.

STA. + H.I. - E.I.v.

B.M. 099 282⁶³ 282¹⁴

0+00 E 11th Ave. 73.9

1 77.5

1+65 Alley 78.0

2 77.9

3 77.8

3+29 E 12th Ave. 77.8

B.M. 099 282¹⁴ = ✓

- L -

- R -

Top Hyp. 12th Ave + 1st St. N. E. Cor.

$$\frac{9.3}{33}$$

$$81$$

$$\frac{9.2}{14}$$

$$\frac{8.2}{33}$$

$$\frac{3.8}{33}$$

$$\frac{3.4}{17}$$

$$\frac{5.5}{14}$$

$$51$$

$$\frac{5.6}{14}$$

$$\frac{2.7}{17}$$

$$\frac{2.2}{33}$$

$$\frac{5.6}{33}$$

$$\frac{5.1}{17}$$

$$46$$

$$\frac{4.8}{12}$$

$$\frac{5.4}{14}$$

$$\frac{3.6}{17}$$

$$\frac{2.6}{33}$$

$$\frac{7.8}{33}$$

$$\frac{7.0}{29}$$

$$\frac{5.2}{12}$$

$$42$$

$$\frac{4.7}{13}$$

$$\frac{5.5}{15}$$

$$\frac{3.6}{17}$$

$$\frac{2.7}{33}$$

$$\frac{8.1}{33}$$

$$\frac{7.4}{25}$$

$$\frac{6.5}{21}$$

$$\frac{5.5}{10}$$

$$48$$

$$\frac{4.8}{15}$$

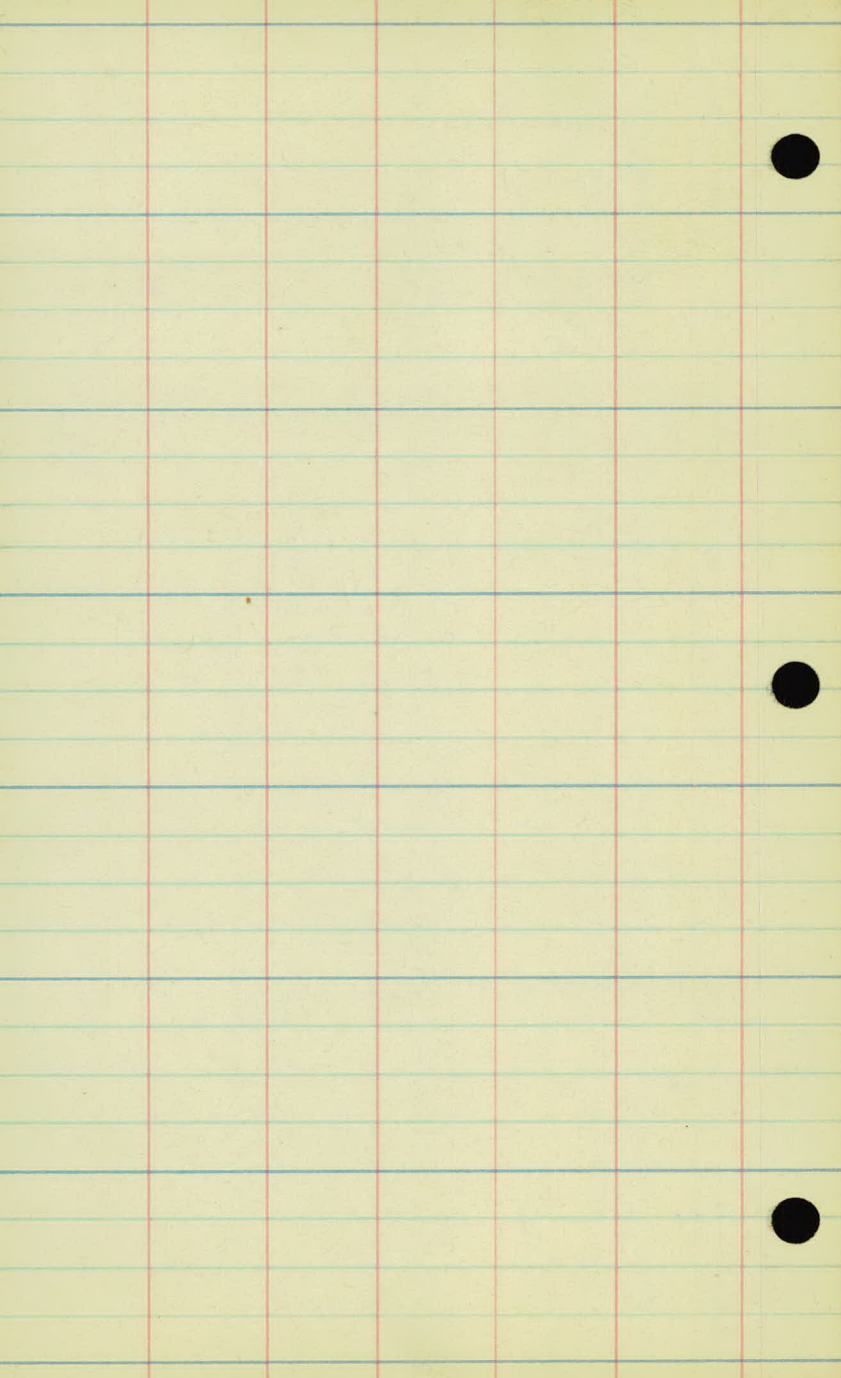
$$\frac{3.4}{33}$$

$$\frac{6.4}{33}$$

$$48$$

$$\frac{3.1}{33}$$

Top. Hyp. 12th Ave + 1st St. N. E. Cor.



May 12-32

12th Ave N.E
from Margaret To
Charles St.

Sta + H.I. - Elev.

B.M. 770 297⁸⁴ 290¹⁴

0+00 E Margaret St 87.8

0+32 East Prop. Line Margaret St. ^{87.4}

1 89.9

2 92.7

3 93.5

3+50 93.8

4 93.3

5 90.6

5+80 End East & West Sidewalk. ^{88.1}

6 Approx. R.W. of Railroad = Charles St. ^{87.6}

B.M. 770 290¹⁹

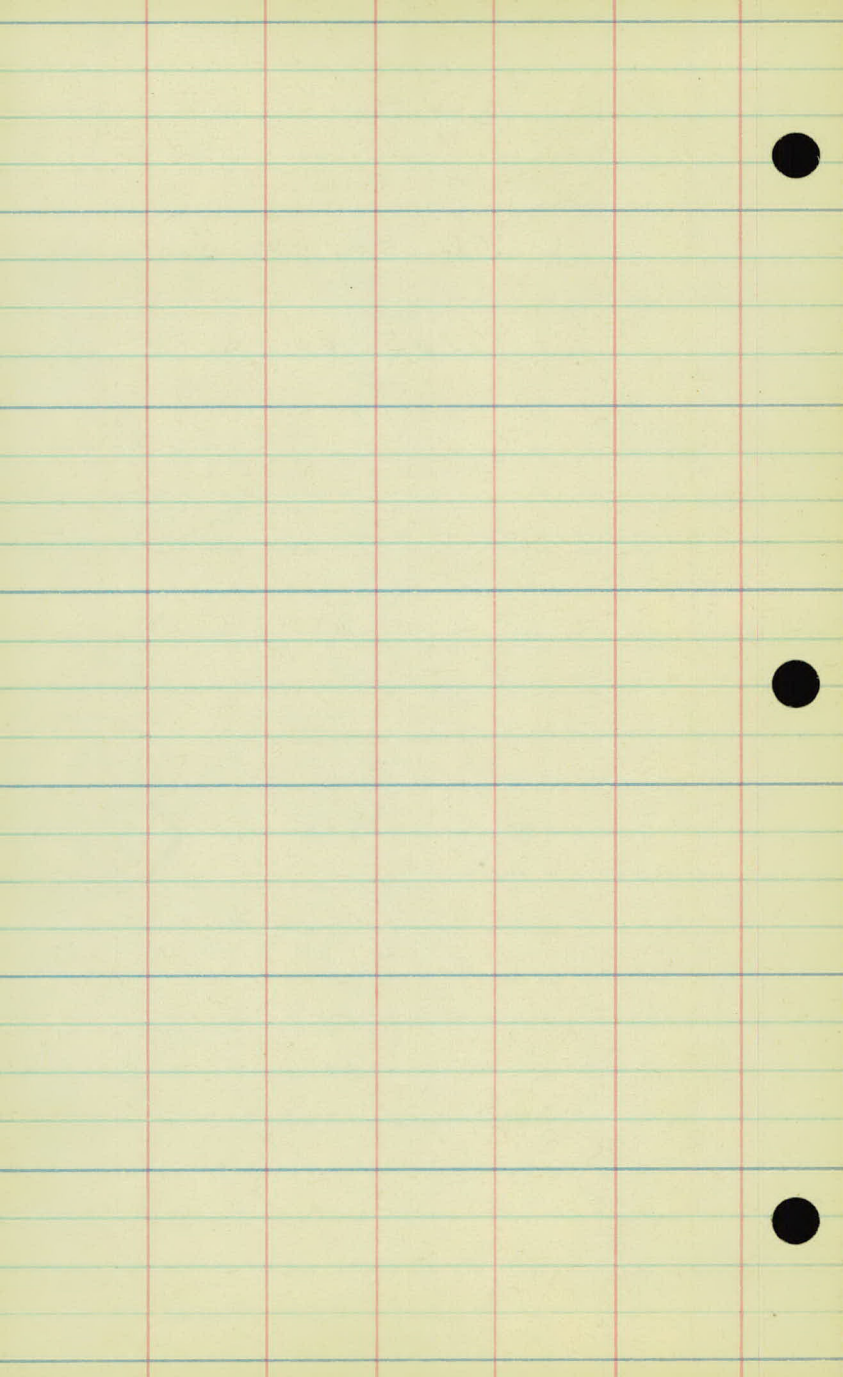
— P —

Top H/y.p. 12^{Ave. N.E} + Margaret S. E. Cor.

$\frac{10.3}{33}$		10^0		$\frac{11.0}{33}$	
S.W $\frac{9.5}{33}$	S.W $\frac{9.5}{25}$	10^4	S.W $\frac{10.6}{15}$	S.W $\frac{10.8}{33}$	
S.W $\frac{7.1}{30}$	S.W $\frac{7.2}{26}$	$\frac{8.1}{20}$	$\frac{8.6}{11}$	$\frac{7.7}{33}$	
S.W $\frac{4.1}{30}$	S.W $\frac{4.1}{26}$	$\frac{5.5}{16}$	$\frac{5.8}{12}$	$\frac{5.5}{33}$	
S.W $\frac{3.0}{29}$	S.W $\frac{3.0}{25}$	$\frac{4.4}{17}$	$\frac{4.8}{14}$	$\frac{4.3}{21}$	$\frac{4.6}{31}$
S.W $\frac{3.0}{29}$	S.W $\frac{3.0}{25}$	$\frac{4.0}{16}$	$\frac{4.6}{17}$	$\frac{4.0}{20}$	$\frac{3.8}{33}$
S.W $\frac{3.0}{29}$	S.W $\frac{3.5}{25}$	$\frac{4.8}{17}$	$\frac{5.0}{18}$	$\frac{4.4}{33}$	
S.W $\frac{8.9}{24}$	S.W $\frac{6.6}{25}$	$\frac{7.8}{15}$	$\frac{7.3}{12}$	$\frac{9.0}{33}$	
$\frac{9.8}{33}$	$\frac{9.8}{26}$	10^2	$\frac{11.2}{17}$	$\frac{12.1}{19}$	$\frac{12.1}{20}$
				$\frac{11.8}{21}$	$\frac{11.4}{31}$

↳ track ↗

To p. Fly p. 12th Ave + Margaret St. S.E. Cor.



May 12-32

14th Ave N.E.
Margaret St.
To.
Charles St.

STA. + H.I. - ELEV.

B.M. 0³⁵ 293³⁷ 293⁰²

0+00 E Margaret St, 90.8

0+32 EAST Prop. Line Margaret St. 90.0

1 88.4

2 87.8

3 86.9

4 86.8

5 88.1

6 87.6

6+86 E St. Ry. Tracks 88.2

B.M. 0.35 293⁰²

-L-

-R-

Top. Hyp. Margaret + 14th Ave. N.E.
N.W. Cor.

$$\frac{2.4}{33}$$

$$26$$

$$\frac{3.1}{33}$$

$$\begin{array}{r} \text{S.W.} \\ 2.8 \\ \hline 33 \end{array}$$

$$\begin{array}{r} \text{S.W.} \\ 3.1 \\ \hline 24 \end{array}$$

$$38$$

$$\begin{array}{r} \text{S.W.} \\ 3.2 \\ \hline 20 \end{array}$$

$$\begin{array}{r} \text{S.W.} \\ 3.3 \\ \hline 33 \end{array}$$

$$\frac{3.2}{33}$$

$$\frac{3.3}{31}$$

$$\frac{4.8}{26}$$

$$5.0$$

$$\frac{5.2}{11}$$

$$\frac{5.0}{24}$$

$$\frac{7.1}{33}$$

$$\frac{3.1}{33}$$

$$\frac{3.2}{28}$$

$$\frac{5.8}{20}$$

$$5.6$$

$$\frac{6.1}{7}$$

$$\frac{7.1}{12}$$

$$\frac{7.0}{17}$$

$$\frac{5.8}{21}$$

$$\frac{5.7}{33}$$

$$\frac{8.0}{33}$$

$$\frac{8.0}{31}$$

$$\frac{7.6}{20}$$

$$\frac{6.7}{13}$$

$$6.5$$

$$\frac{6.7}{7}$$

$$\frac{7.7}{13}$$

$$\frac{6.7}{30}$$

$$\frac{6.0}{33}$$

$$\frac{9.0}{33}$$

$$\frac{8.4}{17}$$

$$\frac{7.3}{11}$$

$$66$$

$$\frac{7.2}{8}$$

$$\frac{8.0}{13}$$

$$\frac{6.1}{33}$$

$$\frac{7.5}{33}$$

$$\frac{7.6}{21}$$

$$\frac{5.5}{14}$$

$$53$$

$$\frac{6.9}{14}$$

$$\frac{6.8}{21}$$

$$\frac{5.0}{27}$$

$$\frac{4.6}{33}$$

$$\frac{6.2}{33}$$

$$\frac{6.3}{25}$$

$$\frac{7.4}{21}$$

$$\frac{7.4}{20}$$

$$\frac{5.6}{15}$$

$$58$$

$$\frac{6.2}{10}$$

$$\frac{7.8}{14}$$

$$\frac{7.8}{16}$$

$$\frac{6.6}{20}$$

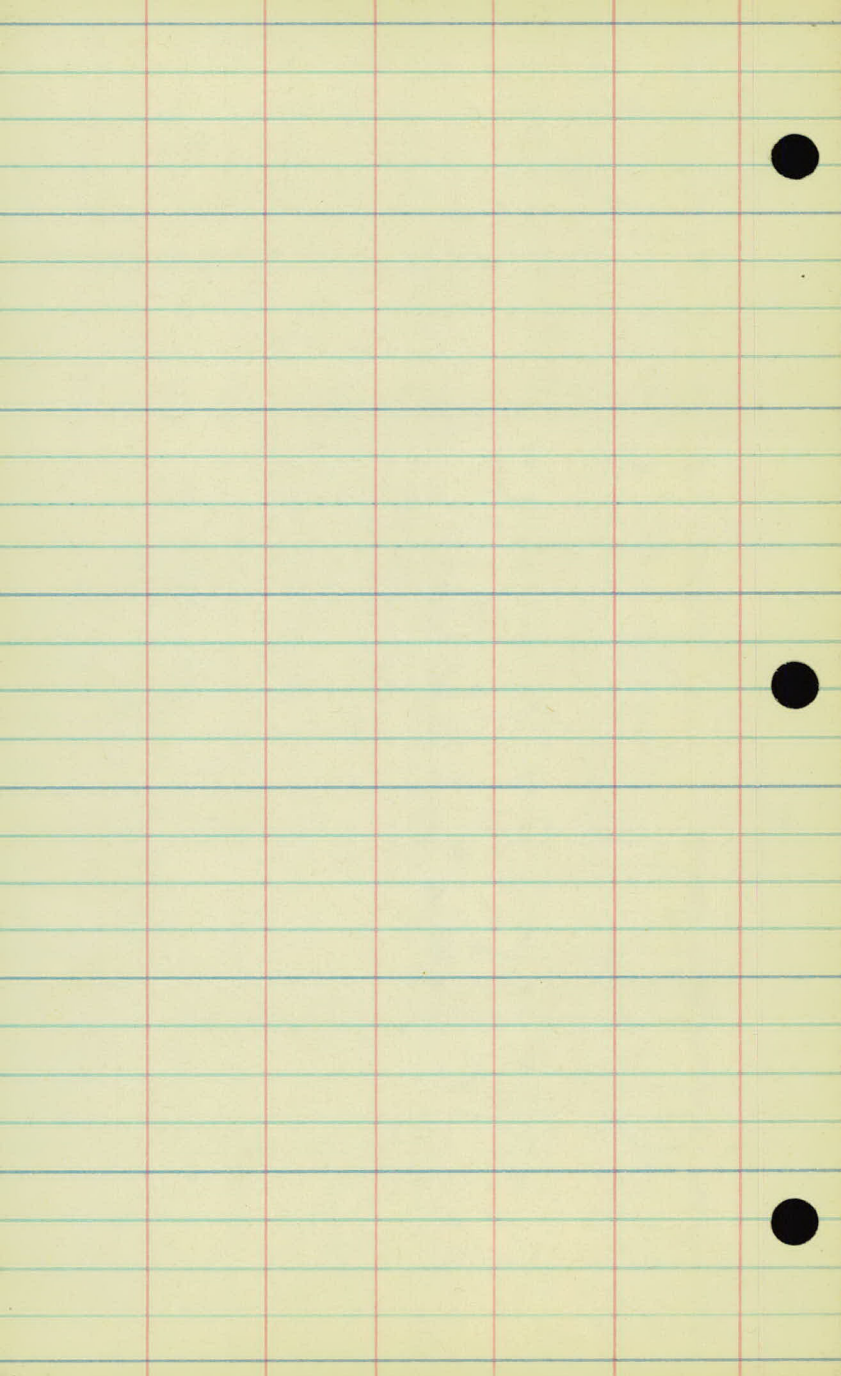
$$\frac{6.3}{33}$$

$$\frac{5.1}{33}$$

$$52$$

$$\frac{5.2}{33}$$

Top. Hyp. Margaret + 14th Ave. N.E. N.W. Cor.



May 12-32

7001

High School

DRiveway

=

Margaret ST
To

12TH Ave N.E.

STA. + H.I. - Elev.

B.M. 7⁰⁴ 297¹⁸✓ 290¹⁴

T.P. 134 293²¹✓ 5³¹ 291⁸⁷✓

T.P.

0+00 E of Margaret St. 82.8

1 86.1

2 90.2

T.P. 95⁰ 301³²✓ 134 291⁸⁷✓

3 91.9

4 91.8

4+43 E WALK to School on ^{92.4} left. Beg. Walk Right.

5 93.3

6 93.5

6+72 So. Prop. 12th Ave. N.E. 92.9

7+00 E 12th Ave. N.E. 92.6

T.P. 193 292⁹⁴ 1036 291⁰¹✓

B.M. 2⁸⁰ 290¹⁴✓

-L-

-R-

Top Hyp. 12th Ave ^{N.E.} Margaret St. S.E. Cor.

$$\frac{9.9}{33}$$

$$9.4$$

$$\frac{9.2}{33}$$

$$\frac{8.7}{33}$$

$$7.1$$

$$\frac{7.1}{22}$$

$$\frac{8.6}{33}$$

$$\frac{0.8}{33}$$

$$\frac{0.5}{29}$$

$$\frac{3.2}{18}$$

$$3.0$$

$$\frac{3.5}{28}$$

$$\frac{2.2}{33}$$

$$\frac{10.4}{33}$$

$$\frac{9.4}{27}$$

$$\frac{9.9}{22}$$

$$9.5$$

$$\frac{9.5}{24}$$

$$\frac{8.1}{27}$$

$$\frac{7.2}{33}$$

$$\frac{11.2}{33}$$

$$\frac{10.5}{22}$$

$$9.6$$

$$\frac{9.4}{29}$$

$$\frac{7.5}{33}$$

$$\frac{10.0}{33}$$

$$\frac{S.W.}{9.5}$$

$$9.0$$

$$\frac{S.W.}{9.1}$$

$$\frac{S.W.}{9.1}$$

$$\frac{2.8}{33}$$

$$\frac{2.8}{26}$$

$$\frac{8.4}{13}$$

$$8.1$$

$$\frac{S.W.}{8.2}$$

$$\frac{S.W.}{8.1}$$

$$\frac{1.6}{33}$$

$$\frac{2.1}{28}$$

$$\frac{8.0}{13}$$

$$7.9$$

$$\frac{S.W.}{8.0}$$

$$\frac{S.W.}{8.0}$$

$$\frac{S.W.}{7.3}$$

$$\frac{S.W.}{8.5}$$

$$\frac{S.W.}{9.5}$$

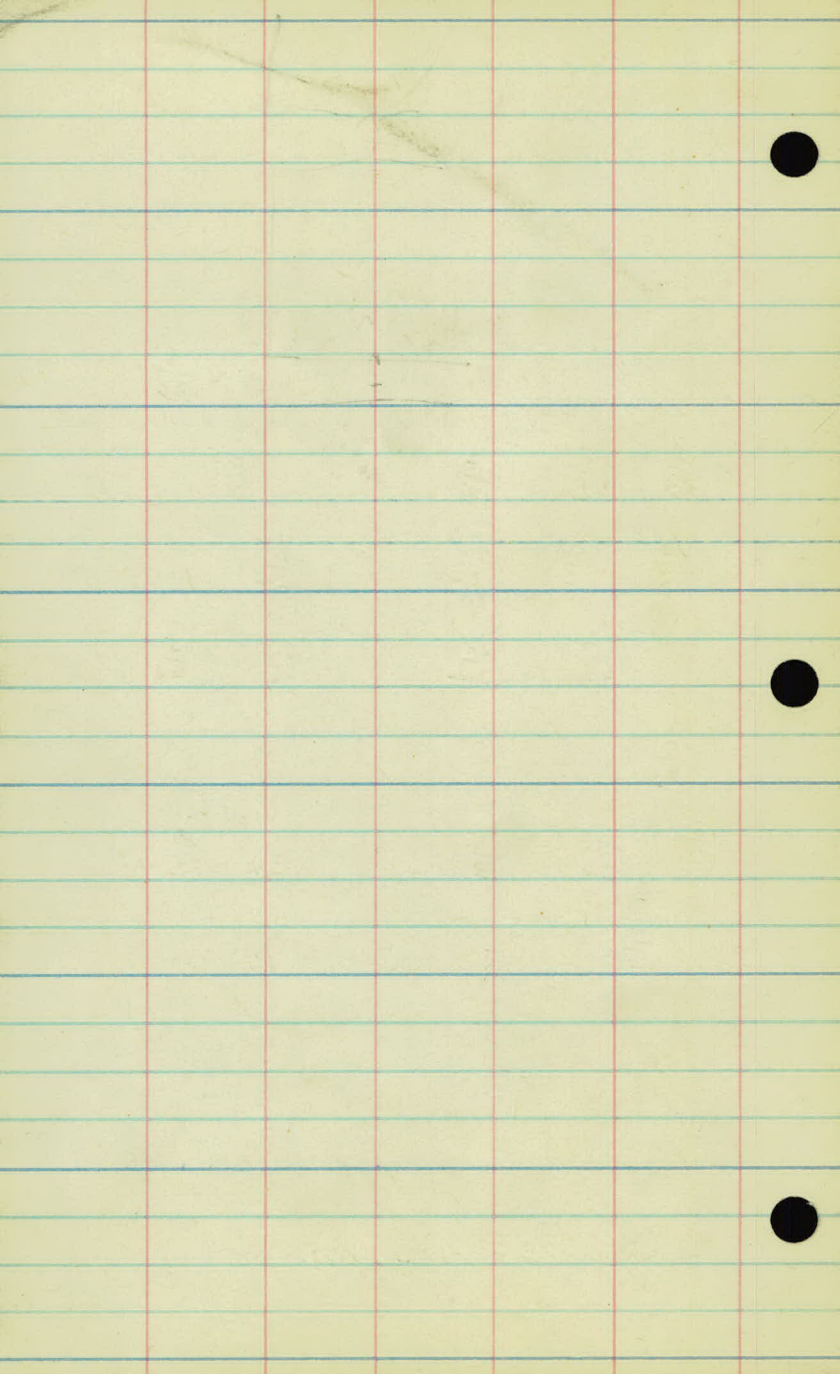
$$\frac{7.9}{33}$$

$$8.8$$

$$\frac{9.8}{33}$$

Top Hyp. 12th Ave N.E. + Margaret St.

S.E. Cor.



May 13-32

3RD. Ave N.E.

From Helen St. So.

To Henry St. N.E.

STA. 4 H.I. ✓ - Elev
B.M. 078 272⁶⁵ 271⁸⁷

0+00 E. of Helen St. 66.4

0+33 66.6

1 67.5

2 68.7

3 69.6

4 72.1
T.P. 1120 283⁵⁰ ✓ 035 272³⁰ ✓

5 74.9

6 77.5

6+35 West Prop. Line Margaret St. 78.2

6+68 E. Margaret St. 78.4

7+01 East Prop. Line Margaret 78.5

B.M. 152 281⁹⁸ ✓

-L-

-R-

Left STA. 3+00 ON 3RD Ave.

$$\frac{6.5}{33}$$

$$6^3$$

$$\frac{7.3}{33}$$

$$\frac{6.2}{33}$$

$$6^1$$

$$\frac{7^1}{33}$$

$$\frac{7.7}{33}$$

$$\frac{7.8}{22}$$

$$\frac{5.6}{15}$$

$$5^2$$

$$\frac{5.6}{17}$$

$$\frac{7.8}{22}$$

$$\frac{8.2}{33}$$

$$\frac{4.2}{33}$$

$$\frac{4.3}{20}$$

$$4^0$$

$$\frac{4.2}{12}$$

$$\frac{4.6}{19}$$

$$\frac{3.4}{28}$$

$$\frac{3.9}{33}$$

$$\frac{3.8}{33}$$

$$\frac{3.6}{16}$$

$$3^1$$

$$\frac{3.6}{17}$$

$$\frac{5.5}{23}$$

$$\frac{5.5}{33}$$

$$\frac{1.3}{33}$$

$$\frac{1^1}{13}$$

$$0^6$$

$$\frac{1.0}{17}$$

$$\frac{0.8}{33}$$

$$\frac{1.4}{33}$$

$$\frac{7^1}{19}$$

$$\frac{9^1}{15}$$

$$8^6$$

$$\frac{8.8}{18}$$

$$\frac{7.0}{22}$$

$$\frac{7.2}{33}$$

$$\frac{5.3}{33}$$

$$\frac{4.3}{20}$$

$$\frac{6.6}{16}$$

$$6^0$$

$$\frac{6.2}{16}$$

$$\frac{2.8}{23}$$

$$\frac{3^1}{33}$$

$$\frac{6^1}{33}$$

$$\frac{5.4}{18}$$

$$\frac{5.8}{17}$$

$$5^3$$

$$\frac{5.0}{19}$$

$$\frac{3.5}{33}$$

$$\frac{5.7}{33}$$

$$5^1$$

$$\frac{4.9}{33}$$

$$\frac{S.W.}{5.1} \frac{5.1}{33}$$

$$\frac{S.W.}{5.2} \frac{5.2}{17}$$

$$5^0$$

$$\frac{S.W.}{5^1} \frac{5^1}{17}$$

$$\frac{S.W.}{5.0} \frac{5.0}{33}$$

Top. HYP. N. E. Cor. Margaret and 3RD Ave

STA. + H. 1 ✓ - ELEV.
283⁵⁰

8
T.P. 13¹⁵ 296¹² ✓ 0⁵³ ✓ 282.91 81.9

9 85.3

10 APPROX. ^{W.} Alley on Left. 88.8

11 91.4

11+18 W. Prop. Line W. Charles St. 91.6

11+48 ^{WEST.} ₁ Charles St. 92.2

11+78 E. Prop. Line W. Charles St. 92.8

12 93.3

13
T.P. 76² 303²⁴ ✓ 0⁵⁰ ✓ 295.62 95.7

13+18 West Prop Line Charles St. N.E. 96.0

13+51 ₂ Charles St. N.E. 96.4

13+84 E. Prop Line Charles St. N.E. 96.9
B.M. 2.01 301.23

-L-

-R-

$\frac{0.6}{33}$ $\frac{0.6}{19}$ $\frac{2.1}{18}$ 16 $\frac{2.0}{17}$ $\frac{1.5}{18}$ $\frac{1.5}{33}$

$\frac{11.8}{33}$ $\frac{11.4}{16}$ 108 $\frac{11.2}{15}$ $\frac{11.8}{33}$

$\frac{8.0}{33}$ $\frac{7.8}{18}$ 73 $\frac{7.3}{18}$ $\frac{4.4}{25}$ $\frac{5.0}{33}$

$\frac{6.1}{33}$ $\frac{5.7}{16}$ 47 $\frac{5.0}{19}$ $\frac{6.0}{19}$ $\frac{4.8}{27}$ $\frac{5.5}{33}$

$\frac{5.1}{33}$ $\frac{5.2}{16}$ 45 $\frac{5.6}{18}$ $\frac{5.6}{33}$

$\frac{4.0}{33}$ $\frac{4.2}{17}$ 39 $\frac{4.2}{12}$ $\frac{5.2}{21}$ $\frac{4.2}{29}$ $\frac{4.2}{33}$

$\frac{3.3}{33}$ $\frac{3.3}{21}$ $\frac{3.8}{17}$ 33 $\frac{3.5}{12}$ $\frac{4.2}{20}$ $\frac{4.2}{33}$

$\frac{3.6}{33}$ $\frac{3.8}{21}$ $\frac{3.4}{16}$ 28 $\frac{3.4}{18}$ $\frac{4.5}{22}$ $\frac{4.7}{33}$

$\frac{3.4}{33}$ $\frac{1.7}{28}$ $\frac{0.8}{15}$ 0.4 $\frac{0.7}{14}$ $\frac{2.5}{21}$ $\frac{2.5}{33}$

$\frac{9.4}{33}$ $\frac{8.5}{26}$ $\frac{8.0}{19}$ 7.2 $\frac{7.2}{11}$ $\frac{7.8}{17}$ $\frac{9.2}{21}$ $\frac{9.2}{33}$

$\frac{6.4}{33}$ $\frac{6.6}{19}$ $\frac{7.3}{18}$ 6.8 $\frac{6.8}{33}$

$\frac{5.0}{33}$ $\frac{5.6}{21}$ $\frac{7.0}{20}$ 6.3 $\frac{7.0}{15}$ $\frac{5.7}{21}$ $\frac{5.3}{33}$

STA 13+88 So. Side of Park. Top. Hyd.

Sta. + H.I. - Elev.
303²⁴

14 97.0

15 97.9

15+16 West Prop. E Charles St. N.E. 98.0

15+46 E Charles St. N.E. 98.4

15+76 East Prop. Line E. Charles St. N.E. 98.2

16 97.9

17+06 E of Alley 97.4

18 98.2

19 99.7

T.P. 7⁵⁰ 309⁵⁵ 1.19 302⁰⁵

19+61 West Prop. Line Henry St. N.E. 93.8

19+94 E Henry St. N.E. 94.8

B.M. 298 306⁵⁷ 306³⁴

-L-

-R-

$\frac{4.7}{33}$ $\frac{5.5}{20}$ $\frac{6.8}{18}$ 6.2 $\frac{7.0}{15}$ $\frac{5.0}{21}$ $\frac{4.7}{33}$

$\frac{5.0}{33}$ $\frac{4.8}{21}$ $\frac{5.6}{18}$ 5.3 $\frac{6.0}{16}$ $\frac{4.2}{22}$ $\frac{3.8}{33}$

$\frac{4.9}{33}$ $\frac{4.9}{21}$ $\frac{5.7}{18}$ 5.2 $\frac{5.8}{16}$ $\frac{4.0}{22}$ $\frac{3.7}{33}$

$\frac{4.8}{33}$ 4.8 $\frac{5.0}{20}$ $\frac{4.0}{23}$ $\frac{3.7}{33}$

$\frac{5.0}{33}$ $\frac{4.6}{24}$ $\frac{5.3}{14}$ 5.0 $\frac{5.3}{18}$ $\frac{4.3}{22}$ $\frac{3.9}{33}$

$\frac{6.0}{33}$ $\frac{6.3}{21}$ $\frac{7.0}{16}$ $\frac{5.6}{11}$ 5.3 $\frac{6.0}{17}$ $\frac{5.4}{24}$ $\frac{5.7}{33}$

$\frac{6.2}{33}$ $\frac{6.9}{22}$ $\frac{6.8}{15}$ $\frac{6.2}{12}$ 5.8 $\frac{6.2}{9}$ $\frac{7.5}{15}$ $\frac{7.2}{19}$ $\frac{7.0}{33}$

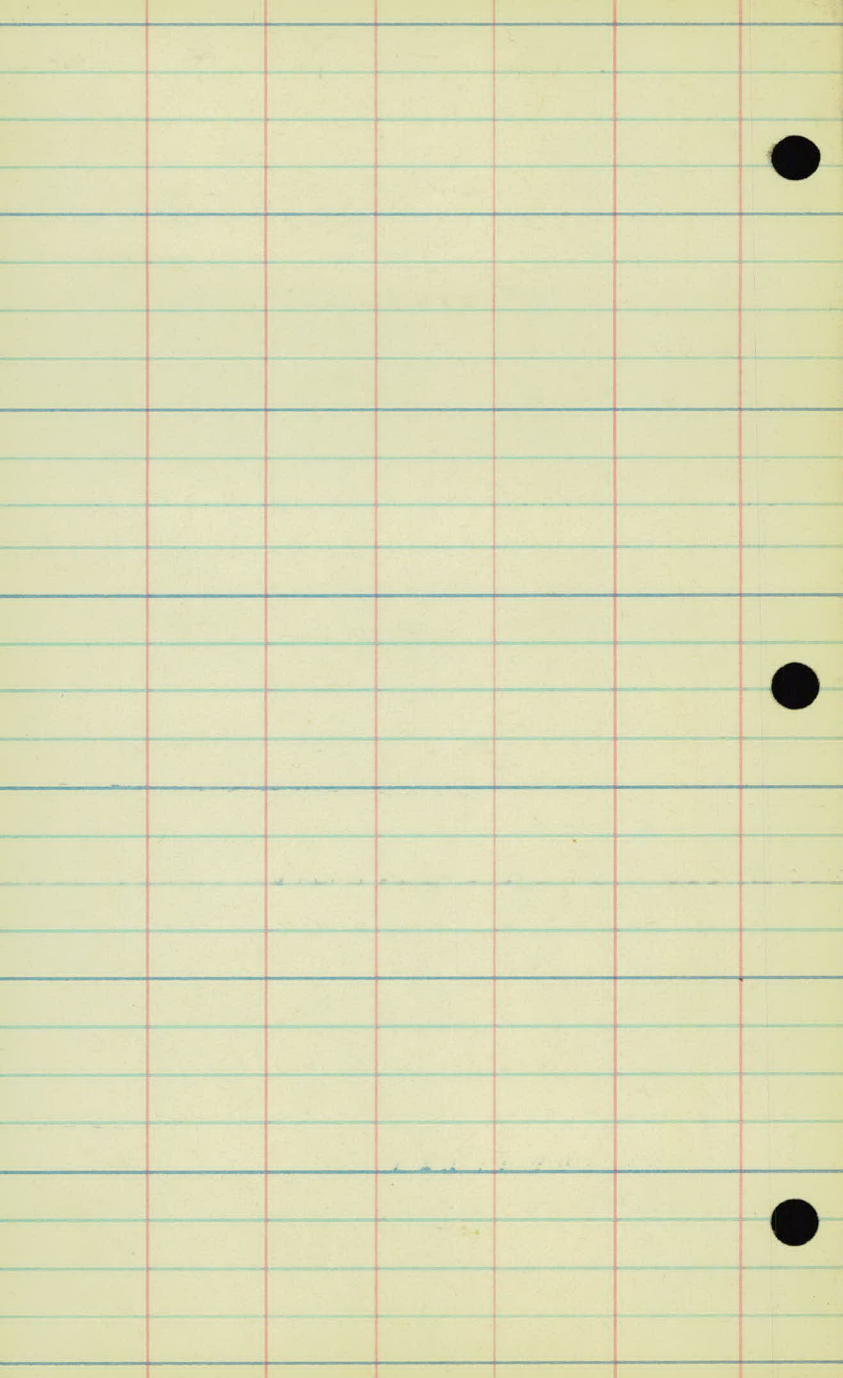
$\frac{5.6}{33}$ $\frac{5.6}{21}$ $\frac{5.2}{13}$ 5.0 $\frac{5.2}{10}$ $\frac{6.4}{18}$ $\frac{6.0}{33}$

$\frac{3.2}{33}$ $\frac{3.4}{16}$ $\frac{3.1}{10}$ 3.5 $\frac{3.0}{10}$ $\frac{4.0}{16}$ $\frac{4.0}{33}$

$\frac{4.4}{33}$ $\frac{4.2}{18}$ $\frac{5.8}{12}$ 5.8 $\frac{7.3}{14}$ $\frac{4.7}{25}$ $\frac{4.7}{33}$

$\frac{5.4}{33}$ 4.8 $\frac{4.6}{33}$

N. E. Cor. 3rd Ave N. E. + Henry St. N. E.



MAY 13-32

FOURTH AVE N.E.

FROM

Margaret ST

TO

E. Charles St. N.E.

STA.	+	H.I.	-	ELEV.
B.M.	0.14	282.12		281.98
T.P.	8.50	282.70	7.92	274.20
0+00	£			74.2

+33 E. prop. line Margaret 74.5

1 *curb on N. Side to Sta 2+50 S.W. on N. Side* 76.7

2 T.P. 12.24 294.54 0.40 282.30 81.2

3 85.5

+22 Appx £ Alley So. 86.5

4 89.7

+50 W. prop line 91.1

4+80 £ W. Charles St NE 91.5

5+10 E. prop. line 91.8

6 93.9

T.P. 7.53 301.84 0.23 294.31

+49 W. prop line End S.W. on No. 93.5

+82 £ Charles St. No. 93.9

-L- £ -R-
Top of Lyd. N. E Cor. Margaret + 3rd Ave. N. E.
P.M.

$$\begin{array}{r} 8.2 \\ 33 \end{array} \quad 8.5 \quad \begin{array}{r} 8.5 \\ 33 \end{array}$$

$$\begin{array}{r} \text{Beg. S.W.} \\ 8.2 \\ 33 \end{array} \quad \begin{array}{r} 8.5 \\ 17 \end{array} \quad 8.2 \quad \begin{array}{r} \text{Beg. S.W.} \\ 8.5 \\ 18 \end{array} \quad \begin{array}{r} 8.5 \\ 33 \end{array}$$

$$\begin{array}{r} \text{prop. Edge S.W.} \\ 5.4 \\ 28 \end{array} \quad \begin{array}{r} 5.5 \\ 24 \end{array} \quad \begin{array}{r} 6.0 \\ 18 \end{array} \quad \begin{array}{r} 6.4 \\ 17 \end{array} \quad 6.0 \quad \begin{array}{r} 6.2 \\ 12 \end{array} \quad \begin{array}{r} 5.6 \\ 15 \end{array} \quad \begin{array}{r} 5.6 \\ 33 \end{array}$$

$$\begin{array}{r} 1.1 \\ 28 \end{array} \quad \begin{array}{r} 1.2 \\ 21 \end{array} \quad \begin{array}{r} 1.4 \\ 18 \end{array} \quad \begin{array}{r} 2.0 \\ 17 \end{array} \quad 1.5 \quad \begin{array}{r} 1.8 \\ 11 \end{array} \quad \begin{array}{r} 1.2 \\ 27 \end{array} \quad \begin{array}{r} 2.0 \\ 33 \end{array}$$

$$\begin{array}{r} 8.5 \\ 28 \end{array} \quad \begin{array}{r} 8.7 \\ 24 \end{array} \quad \begin{array}{r} 8.7 \\ 18 \end{array} \quad \begin{array}{r} 9.4 \\ 17 \end{array} \quad 9.0 \quad \begin{array}{r} 9.2 \\ 15 \end{array} \quad \begin{array}{r} 9.0 \\ 27 \end{array} \quad \begin{array}{r} 9.5 \\ 33 \end{array}$$

$$\begin{array}{r} 7.5 \\ 28 \end{array} \quad \begin{array}{r} 7.6 \\ 24 \end{array} \quad \begin{array}{r} 7.7 \\ 18 \end{array} \quad \begin{array}{r} 8.5 \\ 17 \end{array} \quad 8.0 \quad \begin{array}{r} 8.3 \\ 33 \end{array}$$

$$\begin{array}{r} 4.6 \\ 28 \end{array} \quad \begin{array}{r} 4.6 \\ 24 \end{array} \quad \begin{array}{r} 4.7 \\ 19 \end{array} \quad \begin{array}{r} 5.4 \\ 15 \end{array} \quad 4.8 \quad \begin{array}{r} 5.2 \\ 14 \end{array} \quad \begin{array}{r} 4.8 \\ 28 \end{array} \quad \begin{array}{r} 3.6 \\ 33 \end{array}$$

$$\begin{array}{r} 3.5 \\ 28 \end{array} \quad \begin{array}{r} 3.5 \\ 24 \end{array} \quad \begin{array}{r} 3.6 \\ 16 \end{array} \quad \begin{array}{r} 4.3 \\ 15 \end{array} \quad 3.4 \quad \begin{array}{r} 4.0 \\ 14 \end{array} \quad \begin{array}{r} 3.2 \\ 30 \end{array} \quad \begin{array}{r} 3.7 \\ 33 \end{array}$$

$$\begin{array}{r} 3.2 \\ 28 \end{array} \quad \begin{array}{r} 3.2 \\ 24 \end{array} \quad \begin{array}{r} 3.8 \\ 15 \end{array} \quad 3.0 \quad \begin{array}{r} 3.3 \\ 33 \end{array}$$

$$\begin{array}{r} 2.8 \\ 28 \end{array} \quad \begin{array}{r} 2.8 \\ 24 \end{array} \quad \begin{array}{r} 3.5 \\ 14 \end{array} \quad 2.7 \quad \begin{array}{r} 3.2 \\ 12 \end{array} \quad \begin{array}{r} 3.2 \\ 33 \end{array}$$

$$\begin{array}{r} 0.5 \\ 28 \end{array} \quad \begin{array}{r} 0.5 \\ 24 \end{array} \quad \begin{array}{r} 0.4 \\ 19 \end{array} \quad \begin{array}{r} 1.0 \\ 16 \end{array} \quad 0.6 \quad \begin{array}{r} 1.1 \\ 15 \end{array} \quad \begin{array}{r} 0.8 \\ 29 \end{array} \quad \begin{array}{r} 2.0 \\ 33 \end{array}$$

$$\begin{array}{r} 5.9 \\ 28 \end{array} \quad \begin{array}{r} 5.9 \\ 24 \end{array} \quad \begin{array}{r} 6.5 \\ 16 \end{array} \quad 6.3 \quad \begin{array}{r} 6.8 \\ 15 \end{array} \quad \begin{array}{r} 6.6 \\ 28 \end{array} \quad \begin{array}{r} 8.2 \\ 33 \end{array}$$

$$\begin{array}{r} 5.3 \\ 33 \end{array} \quad 5.9 \quad \begin{array}{r} 6.7 \\ 16 \end{array} \quad \begin{array}{r} 6.2 \\ 24 \end{array} \quad \begin{array}{r} 8.0 \\ 30 \end{array} \quad \begin{array}{r} 8.4 \\ 33 \end{array}$$

Sta. + H.I. ✓ - Elev.

301.84

7+15 E. prop line 96.8

8 98.0

+54 E. prop line E. Charles NE 97.9

+87 E. Charles St NE 97.6

BM 0.65 301.19 301.23

Lt.

E

Rt.

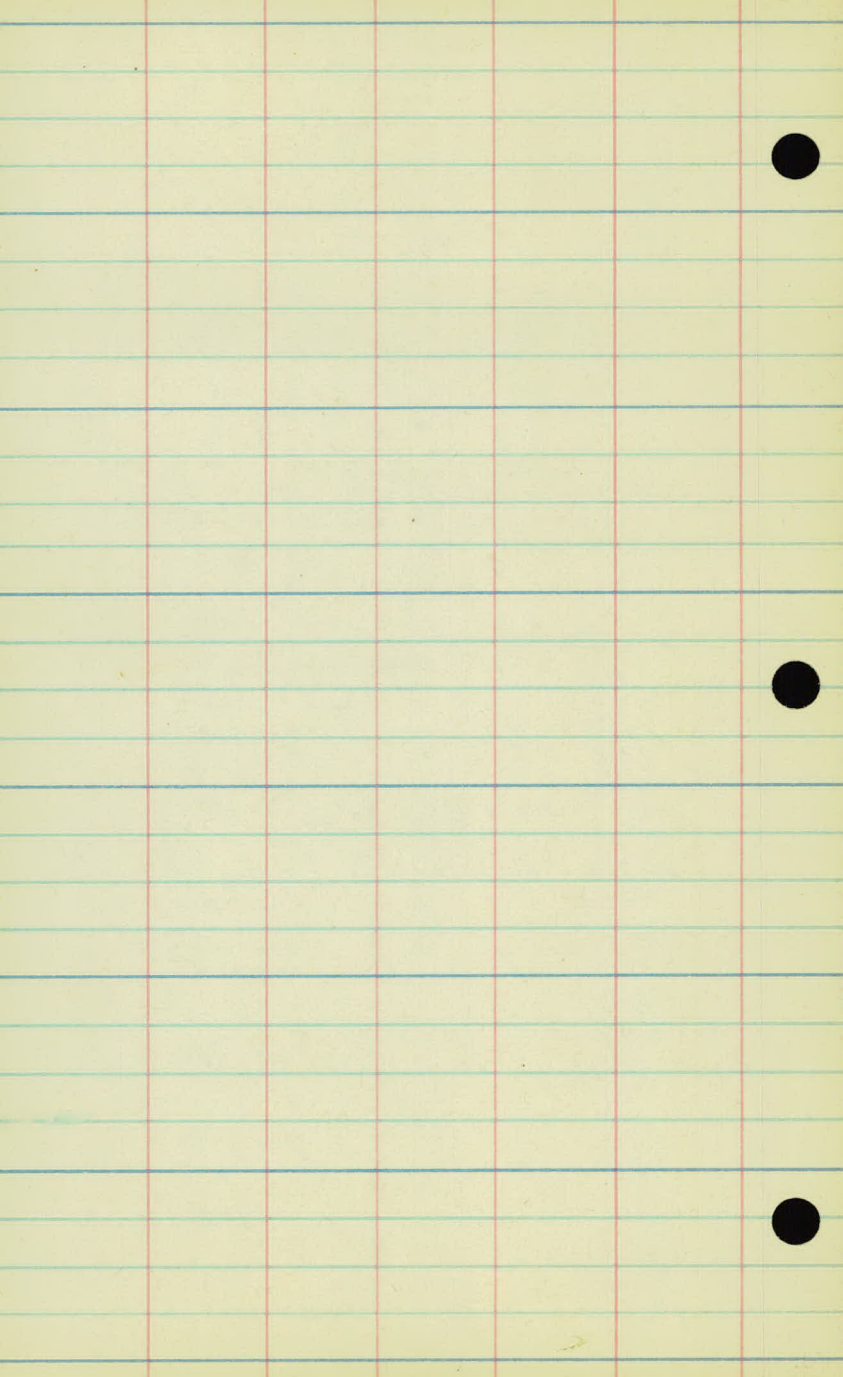
Edge S.W. $\frac{5.1}{26}$ $\frac{5.1}{26}$ $\frac{5.5}{15}$ 5.0 $\frac{5.9}{13}$ $\frac{7.2}{18}$ $\frac{6.7}{23}$ $\frac{7.0}{33}$
 running N.

$\frac{3.2}{33}$ $\frac{3.4}{23}$ $\frac{4.2}{16}$ 3.8 $\frac{4.7}{10}$ $\frac{5.2}{13}$ $\frac{4.2}{17}$ $\frac{4.8}{33}$

$\frac{4.5}{33}$ $\frac{4.6}{14}$ 3.9 $\frac{4.1}{22}$ $\frac{4.4}{33}$

$\frac{4.0}{33}$ $\frac{4.8}{10}$ 4.2 $\frac{4.2}{33}$

Hyd. So. Side of Park on 3rd Ave



MAY 13-32

E Charles St N.E.

3rd Ave To 4th Ave.

Sta + H.I. ✓ - Elev.

B.M. 1.68 302.91 301.23

0+00 L 3rd Ave. 98.5

+30 N. prop 3rd Ave 98.5

1 98.6

2 98.9

3 So. prop line 4th Ave. 97.9

+30 L 4th Ave ✓ 97.7

B.M. 1.68 301.23

Lt. L Rt.

Top Hyd So. side park on 3rd Ave.

$$\frac{5.0}{33} \quad 4.4 \quad \frac{4.6}{33}$$

$$\frac{4.7}{33} \quad \frac{5.0}{10} \quad 4.4 \quad \frac{5.0}{20} \quad \frac{4.5}{24} \quad \frac{5.1}{33}$$

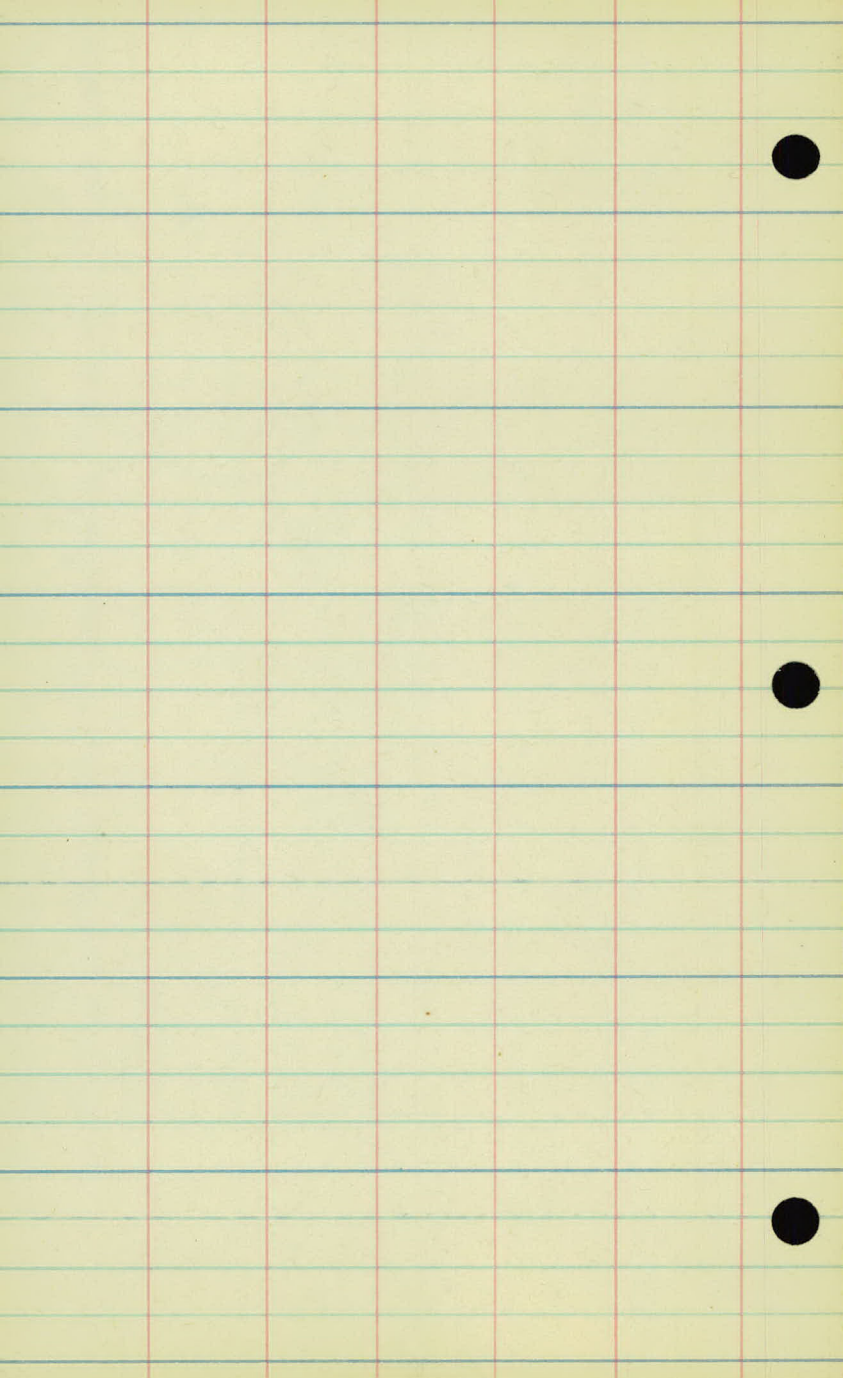
$$\frac{5.3}{33} \quad \frac{5.4}{12} \quad 4.3 \quad \frac{5.5}{19} \quad \frac{4.8}{23} \quad \frac{4.8}{33}$$

$$\frac{4.0}{33} \quad \frac{5.0}{15} \quad 4.0 \quad \frac{5.0}{16} \quad \frac{4.0}{21} \quad \frac{3.4}{33}$$

$$\frac{5.6}{33} \quad \frac{5.2}{23} \quad 5.0 \quad \frac{5.4}{7} \quad \frac{6.2}{11} \quad \frac{6.2}{24} \quad \frac{6.2}{33}$$

$$\frac{5.0}{33} \quad 5.2 \quad \frac{6.0}{26} \quad \frac{6.2}{33}$$

as above.



W. Charles St. N.E.
From 3rd Ave to 4th Ave.

Sta	+	HI	-	Elev.
B.M.	0.25	301.47		301.22
T.P.	2.99	295.33	9.13	292.34

0+00 92.2

+30 N. prop. line 3rd Ave 92.0

1 91.1

2 90.6

3 So. prop line 4th Ave. 91.3

+30 4th Ave. 91.5

T.P. 2.99 292.34

Lt E Rt.

Top Hyd. Co. Side park on 3rd Ave.

$$\frac{3.8}{33} \quad 31 \quad \frac{2.5}{33}$$

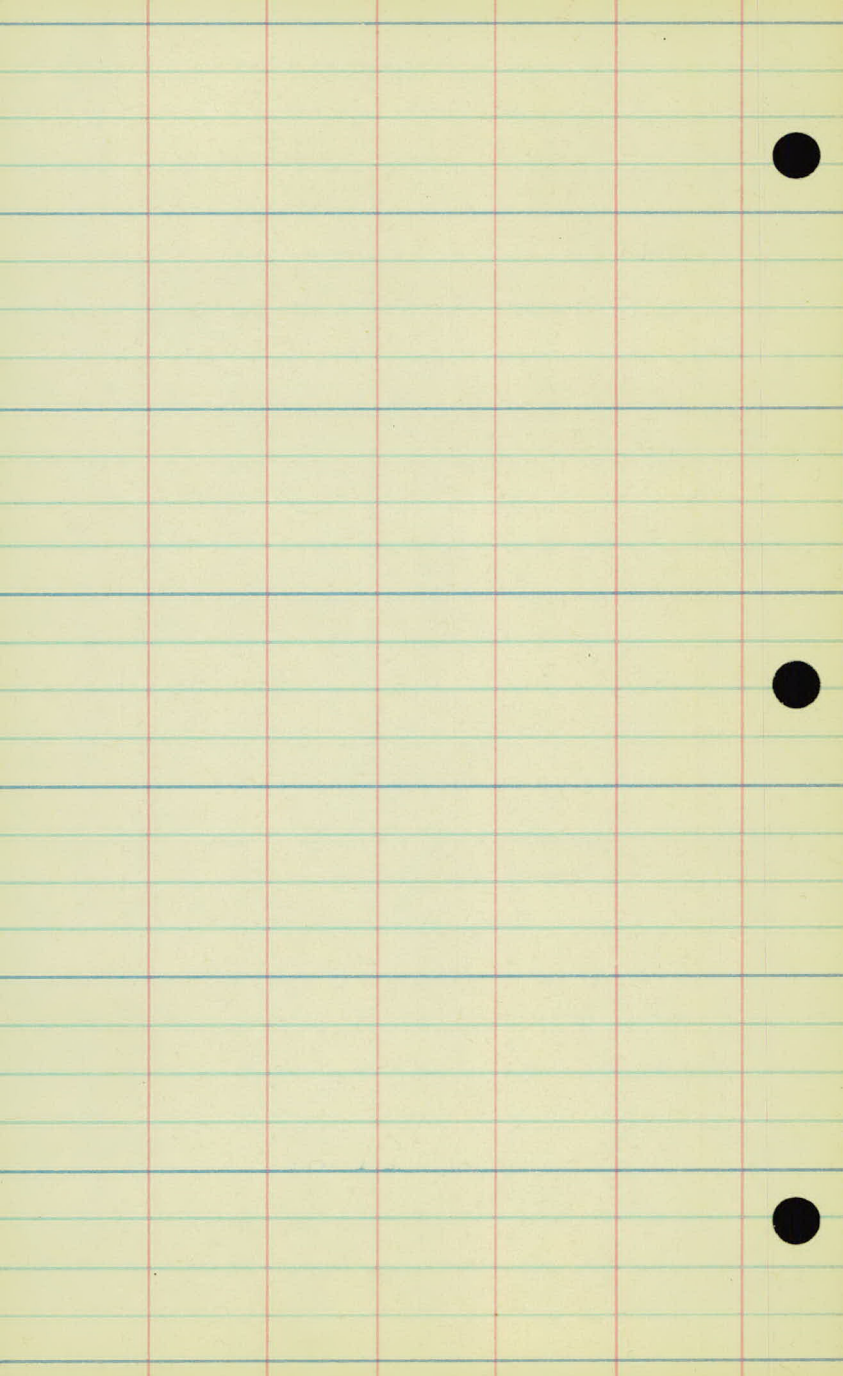
$$\frac{4.4}{33} \quad \frac{4.3}{14} \quad \frac{3.2}{7} \quad \frac{4.0}{6} \quad 3.3 \quad \frac{3.5}{10} \quad \frac{2.6}{15} \quad \frac{3.6}{21} \quad \frac{2.6}{27} \quad \frac{2.4}{33}$$

$$\frac{6.0}{33} \quad \frac{5.5}{22} \quad \frac{4.6}{12} \quad 4.2 \quad \frac{4.5}{7} \quad \frac{3.1}{8} \quad \frac{4.0}{16} \quad \frac{4.7}{21} \quad \frac{4.4}{33}$$

$$\frac{7.4}{33} \quad \frac{7.4}{21} \quad \frac{7.4}{15} \quad \frac{5.5}{6} \quad 4.7 \quad \frac{5.2}{8} \quad \frac{4.8}{9} \quad \frac{6.6}{21} \quad \frac{5.8}{33}$$

$$\frac{4.2}{33} \quad \frac{4.7}{15} \quad \frac{4.1}{8} \quad 4.0 \quad \frac{4.1}{10} \quad \frac{4.6}{21} \quad \frac{3.6}{33}$$

$$\frac{4.3}{33} \quad 3.8 \quad \frac{3.5}{33} \quad -$$



Charles St N.E.
From South St. To 3rd Ave.

STA. + H.I. ✓ -
B.M. 2.27 303⁴⁹ 301.22

T. P. 13.21 313⁹⁵ 2.77 300.72 ✓

B.M. 0.12 313⁸⁶ ✓

0+00 £ South Ave 11.8

+33 N. prop line South Ave. 09.9

1 09.1

+79.5 £ Alley. W. 07.6

2 06.9

3 04.9

+145.1 N. prop line 15th Ave 04.7

+445.1 ✓ 03.7

B.M. 9.77 304.16 303.92

+74.5 02.3

4 ✓ 01.5

T.P. 2.73 303⁴⁵ 13.21 300.72 ✓

5 99.7

Top Hyd. S. side park on 3rd Ave.

Top Hyd. N.E. Cor. Charles St. N.E. +
 $\frac{2.3}{33}$ 2.1 $\frac{2.0}{33}$ South Ave

$\frac{7.4}{33}$ $\frac{6.3}{14}$ $\frac{4.2}{8}$ 4.0 $\frac{3.8}{20}$ $\frac{4.2}{22}$ $\frac{3.6}{25}$ $\frac{3.3}{33}$

$\frac{5.2}{33}$ $\frac{5.4}{27}$ $\frac{4.3}{22}$ $\frac{6.0}{16}$ $\frac{4.7}{11}$ 4.8 $\frac{5.5}{17}$ $\frac{5.7}{20}$ $\frac{5.4}{23}$ $\frac{5.6}{33}$

$\frac{5.3}{33}$ $\frac{6.1}{23}$ $\frac{7.0}{18}$ $\frac{6.1}{14}$ 6.3 $\frac{6.8}{17}$ $\frac{7.6}{33}$

$\frac{7.1}{33}$ $\frac{7.1}{21}$ $\frac{7.1}{18}$ $\frac{6.6}{11}$ 7.0 $\frac{7.1}{17}$ $\frac{8.0}{19}$ $\frac{7.3}{21}$ $\frac{8.1}{33}$

$\frac{8.7}{33}$ $\frac{8.1}{21}$ $\frac{9.5}{18}$ $\frac{9.0}{16}$ 9.0 $\frac{9.2}{14}$ $\frac{10.5}{18}$ $\frac{10.0}{21}$ $\frac{10.4}{33}$

$\frac{8.7}{33}$ $\frac{8.1}{21}$ $\frac{9.5}{18}$ $\frac{9.1}{16}$ 9.2 $\frac{9.2}{14}$ $\frac{10.5}{18}$ $\frac{10.0}{21}$ $\frac{10.4}{33}$

$\frac{10.2}{33}$ 10.2 $\frac{10.2}{9}$ $\frac{9.6}{13}$ $\frac{10.5}{33}$

Top Hyd Int 15th Ave.

$\frac{14.0}{33}$ $\frac{13.8}{28}$ $\frac{11.1}{19}$ $\frac{11.5}{8}$ 11.6 $\frac{11.6}{13}$ $\frac{12.8}{16}$ $\frac{12.8}{19}$ $\frac{12.2}{21}$ $\frac{12.2}{33}$

$\frac{14.7}{33}$ $\frac{14.0}{21}$ $\frac{14.7}{16}$ $\frac{12.7}{9}$ 12.4 $\frac{12.8}{12}$ $\frac{14.2}{16}$ $\frac{14.2}{19}$ $\frac{13.5}{20}$ $\frac{14.0}{33}$

$\frac{5.0}{33}$ $\frac{4.7}{19}$ $\frac{4.0}{14}$ 3.8 $\frac{3.8}{14}$ $\frac{4.2}{17}$ $\frac{3.1}{21}$ $\frac{3.6}{33}$

Sta

+

H1

303.45

6

No Alley

96.3

+43

S. prop 2nd Ave.

95.9

+73

E 2nd Ave.

96.3

7+03

N. prop line

96.4

8

98.5

+28.5

E Alley

98.3

9

97.1

+73.5

So. prop 3rd Ave.

96.4

10+03.5

E 3rd Ave

96.4

BM.

2.28 301.77 301.22

Lt.

L

107

$$\frac{9.3}{33} \frac{9.6}{16} \frac{7.5}{12} 7.2 \quad \frac{7.2}{8} \frac{8.2}{14} \frac{9.0}{16} \frac{9.0}{18} \frac{7.6}{21} \frac{7.0}{33}$$

$$\frac{9.2}{33} \frac{8.8}{23} \frac{9.7}{20} \frac{7.7}{18} \frac{7.7}{11} 7.6 \quad \frac{7.8}{15} \frac{9.2}{19} \frac{8.3}{23} \frac{7.8}{33}$$

$$\frac{8.6}{33} \frac{7.6}{14} 7.2 \quad \frac{7.0}{16} \frac{7.0}{33}$$

$$\frac{8.3}{33} \frac{7.6}{28} \frac{7.4}{21} \frac{8.4}{18} \frac{7.2}{12} 7.1 \quad \frac{6.8}{14} \frac{7.6}{19} \frac{7.0}{24} \frac{7.2}{33}$$

$$\frac{8.3}{33} \frac{7.1}{29} \frac{6.8}{21} \frac{7.7}{18} \frac{6.2}{12} 5.0 \quad \frac{5.0}{13} \frac{6.0}{19} \frac{5.5}{25} \frac{5.5}{33}$$

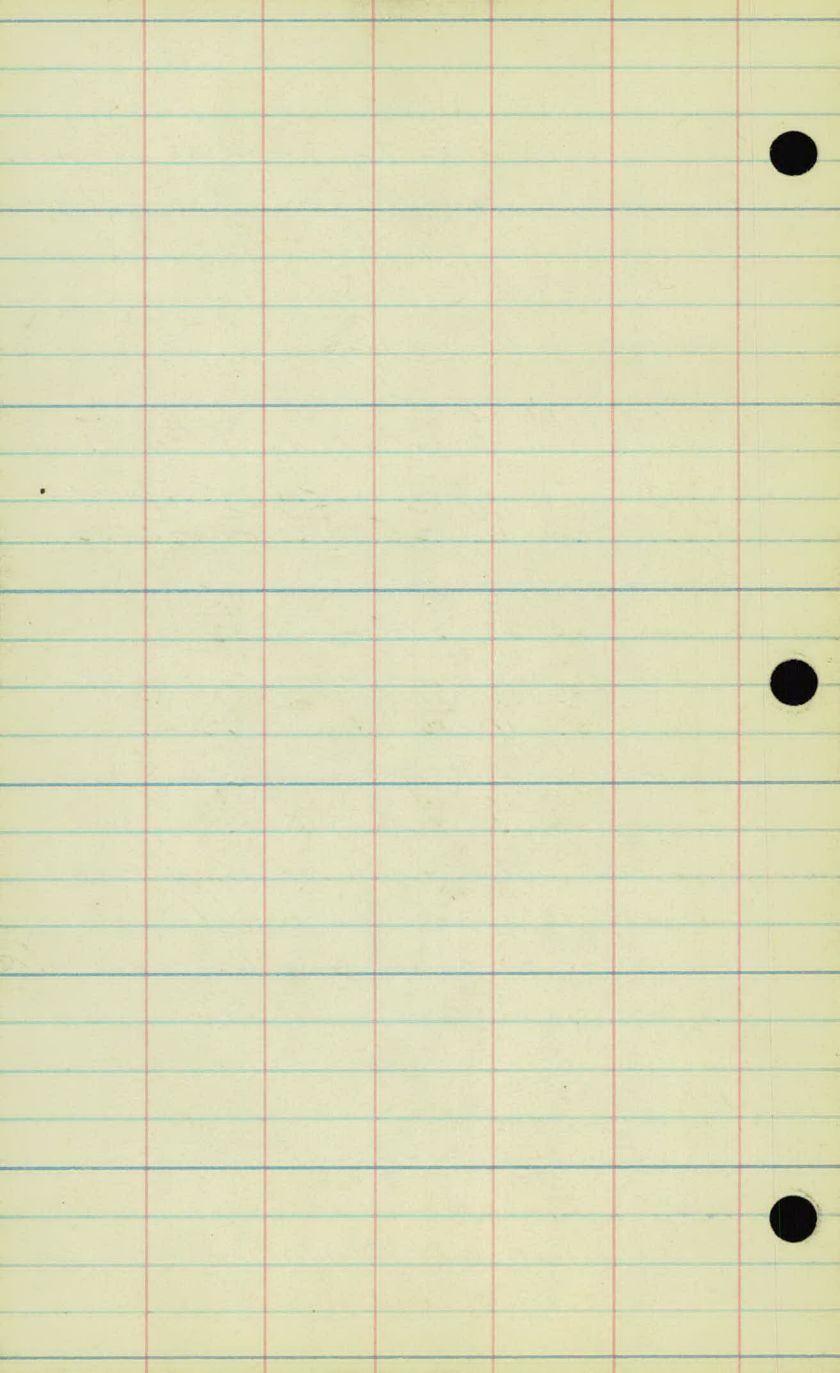
$$\frac{8.8}{33} \frac{8.2}{21} \frac{5.5}{3} 5.2 \quad \frac{4.8}{15} \frac{4.5}{33}$$

$$\frac{8.3}{33} \frac{8.3}{18} \frac{6.7}{10} 6.4 \quad \frac{6.0}{18} \frac{5.0}{22} \frac{4.3}{33}$$

$$\frac{9.5}{33} \frac{9.2}{15} \frac{7.4}{8} 7.1 \quad \frac{7.0}{15} \frac{5.7}{33}$$

$$\frac{7.5}{33} 7.1 \quad \frac{6.5}{33}$$

Top Hyd. So. Side park. and 3rd Ave



SECOND AVE N.E

FROM

HELEN ST.,

TO

Charles ST.

Sta	+	H.I.	-	Elev
B.M.	4.91	276.78		271.87
0+00				66.2

+33				65.8
-----	--	--	--	------

1				67.4
---	--	--	--	------

2				68.2
---	--	--	--	------

+60				70.5
-----	--	--	--	------

3				71.4
---	--	--	--	------

4				73.6
---	--	--	--	------

T.P.	9.76	283.89	265	274.13
------	------	--------	-----	--------

5				74.2
---	--	--	--	------

6				77.1
---	--	--	--	------

+35				78.3/5t
-----	--	--	--	---------

+68				79.9
-----	--	--	--	------

7+01.0				79.8
--------	--	--	--	------

8				81.1
---	--	--	--	------

T.P.	11.44	292.75	258	281.31
------	-------	--------	-----	--------

No traveled from 0+00
to 3+20

Lt

L

Rt.

Top Hyd. 3+00 on 3rd Ave.

<u>11.6</u>	<u>11.0</u>	<u>11.5</u>	<u>11.2</u>	<u>10.6</u>	<u>12.0</u>	<u>11.6</u>
33	73	11	10	10.6	6	15 33

<u>11.2</u>	<u>10.3</u>	<u>11.5</u>	<u>11.5</u>	<u>11.2</u>	<u>11.3</u>
33	14	13	11	8	11.0 33

<u>11.0</u>	<u>10.3</u>	<u>9.8</u>	<u>11.0</u>	<u>11.0</u>	<u>9.5</u>	<u>9.8</u>	<u>9.5</u>
33	18	14	13	10	8	9.4	7 33

<u>9.5</u>	<u>8.6</u>	<u>10.0</u>	<u>1.00</u>	<u>8.6</u>	<u>8.6</u>	<u>7.6</u>
33	15	13	11	8	8.6	9 33

<u>9.0</u>	<u>9.0</u>	<u>7.5</u>	<u>9.3</u>	<u>9.3</u>	<u>7.6</u>	<u>6.6</u>	<u>7.2</u>	<u>7.0</u>	<u>6.2</u>	<u>5.5</u>
33	25	15	13	11	9	6.3	9	11	17	18 33

<u>8.8</u>	<u>8.0</u>	<u>6.3</u>	<u>8.6</u>	<u>8.6</u>	<u>6.1</u>	<u>5.4</u>	<u>5.8</u>	<u>5.8</u>	<u>5.4</u>	<u>4.3</u>
33	20	15	11	9	6	5.4	10	11	16	17 33

<u>7.0</u>	<u>5.0</u>	<u>7.2</u>	<u>7.2</u>	<u>4.0</u>	<u>3.7</u>	<u>0.0</u>	<u>10.2</u>
33	18	15	12	7	3.2	15	30 33

<u>11.8</u>	<u>10.8</u>	<u>9.7</u>	<u>12.2</u>	<u>12.2</u>	<u>10.2</u>	<u>9.4</u>	<u>7.7</u>
33	16	14	11	9	7	9.7	14 33

<u>9.2</u>	<u>8.7</u>	<u>7.2</u>	<u>10.2</u>	<u>10.2</u>	<u>7.3</u>	<u>6.6</u>	<u>6.6</u>	<u>7.1</u>	<u>7.1</u>	<u>4.0</u>
33	17	13	10	8	4	6.8	16	20	22	28 33

<u>8.2</u>	<u>7.6</u>	<u>6.2</u>	<u>8.8</u>	<u>8.8</u>	<u>6.8</u>	<u>5.4</u>	<u>5.4</u>	<u>5.0</u>	<u>3.4</u>
33	26	21	19	16	13	9	5.6	14	19 33

<u>4.3</u>	<u>3.6</u>
33	4.0 33

<u>4.3</u>	<u>4.4</u>	<u>4.4</u>	<u>4.1</u>	<u>4.1</u>
33	16	16	17	33

<u>2.5</u>	<u>3.0</u>	<u>3.4</u>	<u>3.3</u>	<u>4.3</u>	<u>3.0</u>	<u>2.6</u>
33	22	13	28	10	14	24 33

Sta	+	HI	-	Elev
		292.75		
B.M.			10.76	281.99
9				83.8

10				86.7
----	--	--	--	------

11				90.0
T.P.	10.72	301.63	1.84	290.91

12				92.0
----	--	--	--	------

13				94.1
----	--	--	--	------

+ 18L				94.9
				V. prop. line Charles St.

+ 51L				96.3
-------	--	--	--	------

B.M.			0.39	301.24	301.23
------	--	--	------	--------	--------

Top Hyd 2nd Ave and Margaret St.

$\frac{8.0}{33}$ $\frac{8.6}{20}$ $\frac{9.6}{18}$ 9.0 $\frac{9.6}{11}$ $\frac{10.3}{15}$ $\frac{10.8}{16}$ $\frac{7.2}{24}$ $\frac{7.0}{33}$

$\frac{5.8}{33}$ $\frac{5.8}{19}$ $\frac{7.2}{13}$ 6.1 $\frac{6.4}{11}$ $\frac{7.0}{14}$ $\frac{8.0}{16}$ $\frac{8.0}{20}$ $\frac{6.5}{23}$ $\frac{7.0}{33}$

$\frac{4.0}{33}$ $\frac{3.0}{23}$ $\frac{3.4}{15}$ 2.8 $\frac{4.0}{11}$ $\frac{5.6}{15}$ $\frac{5.6}{19}$ $\frac{3.0}{21}$ $\frac{2.8}{33}$

$\frac{8.7}{33}$ $\frac{9.0}{23}$ $\frac{9.8}{13}$ 9.6 $\frac{10.0}{11}$ $\frac{11.0}{13}$ $\frac{12.6}{18}$ $\frac{12.6}{20}$ $\frac{10.0}{22}$ $\frac{9.0}{33}$

$\frac{7.0}{33}$ $\frac{6.6}{25}$ $\frac{7.6}{15}$ 7.5 $\frac{7.5}{9}$ $\frac{9.0}{13}$ $\frac{9.0}{15}$ $\frac{8.0}{17}$ $\frac{8.0}{24}$ $\frac{9.6}{28}$ $\frac{8.0}{33}$

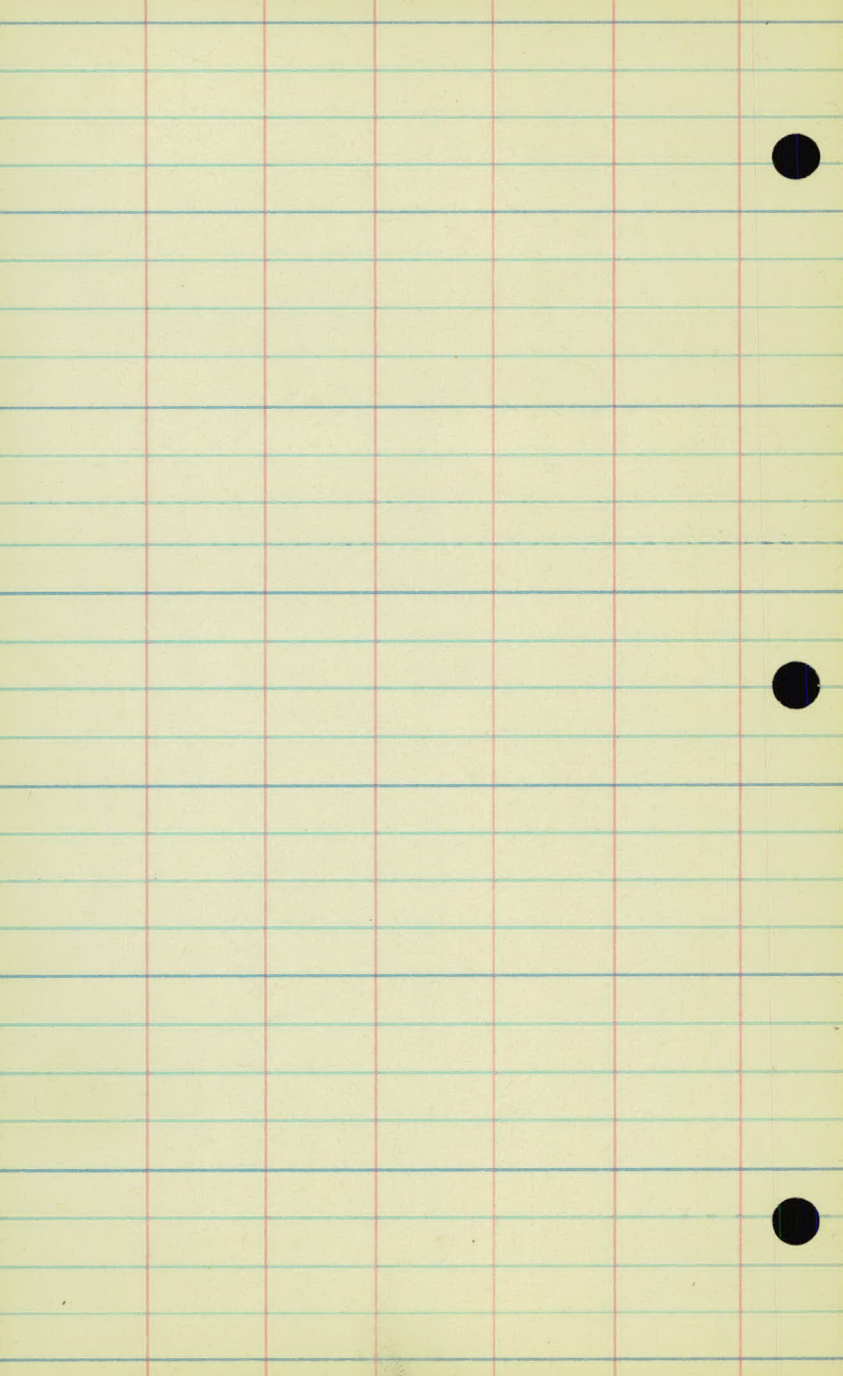
$\frac{6.3}{33}$ $\frac{6.3}{25}$ $\frac{6.7}{15}$ 6.7 $\frac{7.0}{9}$ $\frac{8.0}{12}$ $\frac{8.0}{14}$ $\frac{7.4}{16}$ $\frac{8.0}{28}$ $\frac{9.5}{30}$

← $\frac{5.1}{33}$ 5.3 $\frac{5.8}{33}$ →

$\frac{8.0}{33}$

Top Hyd. So. side park on 3rd Ave.

301.22



X Sections
First Ave N.E.
Margaret St To Charles St.

B.M. 11.10 293.09 281.99
0+00 ± Margaret St. 87.3

+33 88.2

1 92.1

T.P. 12.93 304.60 1.42 291.67

2 95.8

3 298.5

4 301.5

T.P. 2.07 310.02 1.65 302.95

5 02.7

6 03.7

+53.5 1/4 prop. line Charles St. 03.7

+83.5 ± Charles St. 03.8

T.P. 2.25 303.07 9.20 300.82

B.M. 1.78 301.29 301.22

LT £ RT

Top Hyd N.E. cor Margaret St - 2nd Ave

$$\begin{array}{r} 64 \\ 33 \\ \hline 58 \end{array} \begin{array}{r} 48 \\ 33 \\ \hline 33 \end{array}$$

$$\begin{array}{r} 55 \\ 33 \\ \hline 18 \end{array} \begin{array}{r} 55 \\ 18 \\ \hline 49 \end{array} \begin{array}{r} 51 \\ 16 \\ \hline 33 \end{array} \begin{array}{r} 47 \\ 33 \\ \hline 33 \end{array}$$

$$\begin{array}{r} 25 \\ 33 \\ \hline 26 \end{array} \begin{array}{r} 25 \\ 26 \\ \hline 24 \end{array} \begin{array}{r} 20 \\ 24 \\ \hline 14 \end{array} \begin{array}{r} 23 \\ 14 \\ \hline 9 \end{array} \begin{array}{r} 13 \\ 9 \\ \hline 10 \end{array} \begin{array}{r} 10 \\ 10 \\ \hline 00 \end{array} \begin{array}{r} 00 \\ 18 \\ \hline 33 \end{array} \begin{array}{r} 00 \\ 33 \\ \hline 33 \end{array}$$

$$\begin{array}{r} 110 \\ 33 \\ \hline 73 \end{array} \begin{array}{r} 102 \\ 73 \\ \hline 15 \end{array} \begin{array}{r} 95 \\ 15 \\ \hline 88 \end{array} \begin{array}{r} 91 \\ 10 \\ \hline 12 \end{array} \begin{array}{r} 82 \\ 12 \\ \hline 33 \end{array} \begin{array}{r} 78 \\ 33 \\ \hline 33 \end{array}$$

$$\begin{array}{r} 68 \\ 33 \\ \hline 21 \end{array} \begin{array}{r} 68 \\ 21 \\ \hline 14 \end{array} \begin{array}{r} 68 \\ 14 \\ \hline 61 \end{array} \begin{array}{r} 60 \\ 12 \\ \hline 29 \end{array} \begin{array}{r} 32 \\ 29 \\ \hline 33 \end{array} \begin{array}{r} 30 \\ 33 \\ \hline 33 \end{array}$$

$$\begin{array}{r} 37 \\ 33 \\ \hline 21 \end{array} \begin{array}{r} 25 \\ 21 \\ \hline 12 \end{array} \begin{array}{r} 34 \\ 12 \\ \hline 31 \end{array} \begin{array}{r} 31 \\ 15 \\ \hline 23 \end{array} \begin{array}{r} 17 \\ 23 \\ \hline 27 \end{array} \begin{array}{r} 00 \\ 27 \\ \hline 33 \end{array} \begin{array}{r} 03 \\ 33 \\ \hline 33 \end{array}$$

$$\begin{array}{r} 49 \\ 33 \\ \hline 24 \end{array} \begin{array}{r} 43 \\ 24 \\ \hline 15 \end{array} \begin{array}{r} 94 \\ 15 \\ \hline 6 \end{array} \begin{array}{r} 78 \\ 6 \\ \hline 73 \end{array} \begin{array}{r} 75 \\ 14 \\ \hline 25 \end{array} \begin{array}{r} 81 \\ 25 \\ \hline 33 \end{array} \begin{array}{r} 33 \\ 33 \\ \hline 33 \end{array}$$

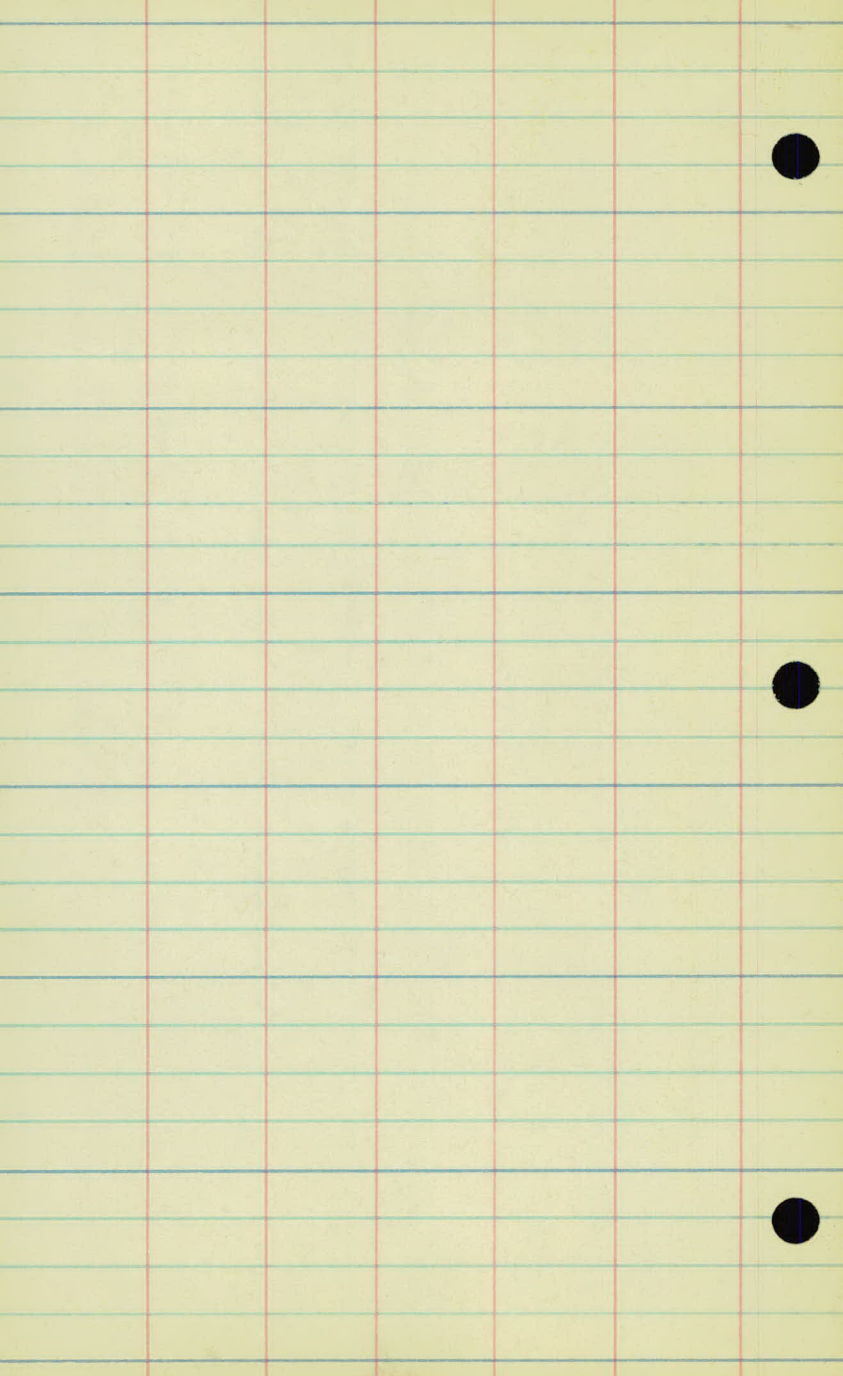
$$\begin{array}{r} 84 \\ 33 \\ \hline 16 \end{array} \begin{array}{r} 66 \\ 16 \\ \hline 63 \end{array} \begin{array}{r} 66 \\ 19 \\ \hline 21 \end{array} \begin{array}{r} 51 \\ 21 \\ \hline 33 \end{array} \begin{array}{r} 47 \\ 33 \\ \hline 33 \end{array}$$

$$\begin{array}{r} 98 \\ 33 \\ \hline 19 \end{array} \begin{array}{r} 80 \\ 19 \\ \hline 14 \end{array} \begin{array}{r} 65 \\ 14 \\ \hline 63 \end{array} \begin{array}{r} 58 \\ 16 \\ \hline 18 \end{array} \begin{array}{r} 50 \\ 18 \\ \hline 33 \end{array} \begin{array}{r} 47 \\ 33 \\ \hline 33 \end{array}$$

$$\begin{array}{r} 77 \\ 33 \\ \hline 62 \end{array} \begin{array}{r} 52 \\ 33 \\ \hline 33 \end{array}$$

Top Rock.

Top Hyd So. Side of Park on 3rd Ave.



X Sections
Helen St
3rd Ave To & 7th Ave.

B.M. 0.14 272.01 271.87
0+00 $\pm$ 3rd Ave 66.4

+30 N. prop 3rd Ave. ^{66.4}

1 67.6

2 69.6

T.P. 2.48 272.09 2.40 269.61

3 S. prop line 67.3

+30 $\pm$ 4th Ave. 67.1

+60 N 67.1

4 67.1

+69 Edge Pave 67.6

5+31 Appr. $\pm$ Pave. 68.0

LEFT & RIGHT.

Top Hyd 3+00 on 3rd Ave Notes.

$$\begin{array}{r} 6.0 \\ 33 \end{array} \quad \begin{array}{r} 5.6 \\ 22 \end{array} \quad 5.6 \quad \begin{array}{r} 5.6 \\ 24 \end{array} \quad \begin{array}{r} 5.1 \\ 33 \end{array}$$

$$\begin{array}{r} 6.2 \\ 33 \end{array} \quad \begin{array}{r} 6.0 \\ 18 \end{array} \quad 5.6 \quad \begin{array}{r} 5.6 \\ 33 \end{array}$$

No Alley

$$\begin{array}{r} 5.6 \\ 33 \end{array} \quad \begin{array}{r} 5.1 \\ 17 \end{array} \quad 4.4 \quad \begin{array}{r} 4.4 \\ 19 \end{array} \quad \begin{array}{r} 4.1 \\ 33 \end{array}$$

$$\begin{array}{r} 2.8 \\ 33 \end{array} \quad \begin{array}{r} 2.4 \\ 15 \end{array} \quad 2.4 \quad \begin{array}{r} 2.4 \\ 17 \end{array} \quad \begin{array}{r} 2.4 \\ 33 \end{array}$$

$$\begin{array}{r} 3.6 \\ 33 \end{array} \quad \begin{array}{r} 4.5 \\ 15 \end{array} \quad 4.8 \quad \begin{array}{r} 5.0 \\ 21 \end{array} \quad \begin{array}{r} 2.0 \\ 23 \end{array} \quad \begin{array}{r} 2.2 \\ 33 \end{array}$$

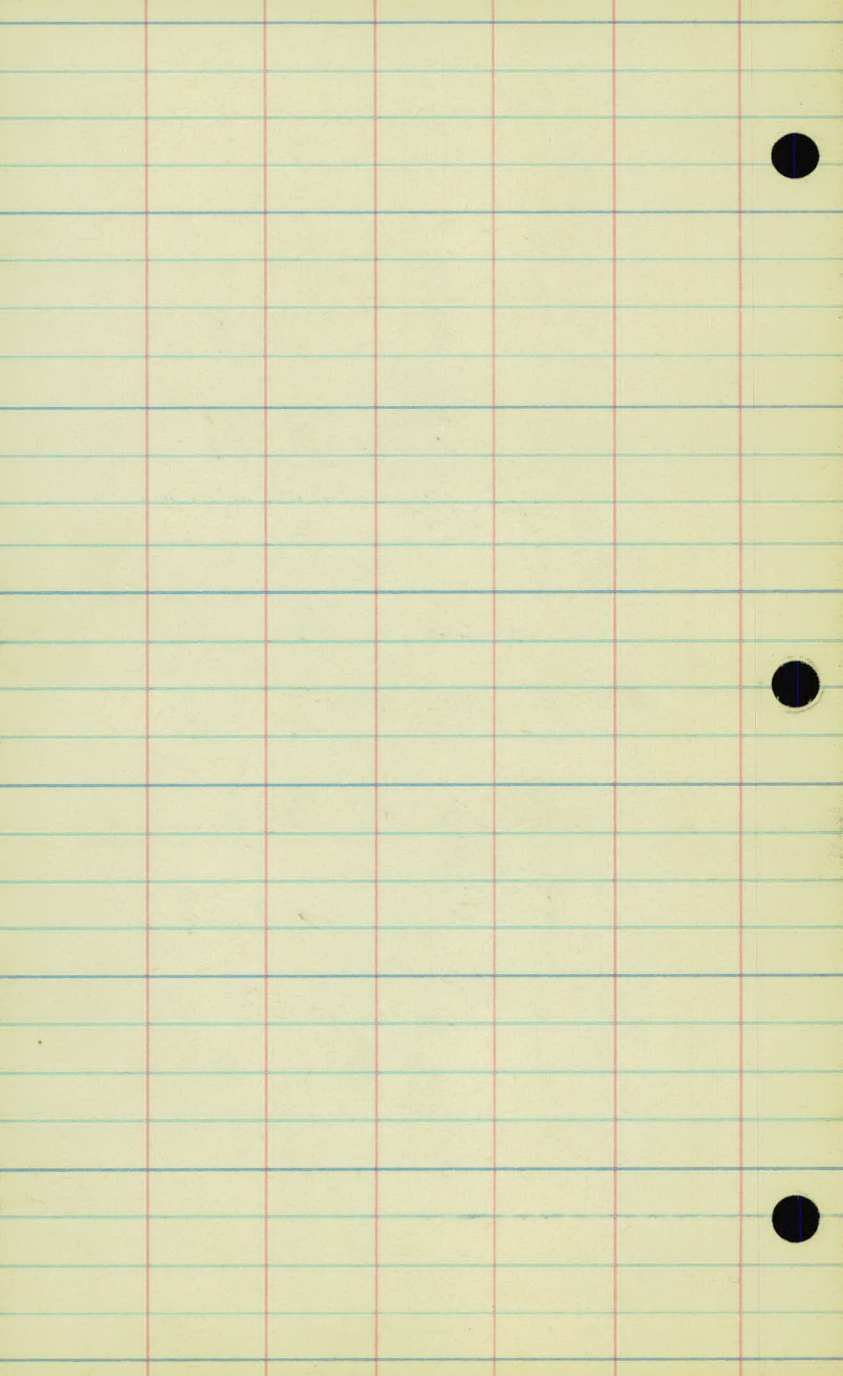
$$\begin{array}{r} 3.6 \\ 33 \end{array} \quad \begin{array}{r} 4.6 \\ 22 \end{array} \quad 5.0 \quad \begin{array}{r} 5.0 \\ 33 \end{array} \quad \rightarrow$$

$$\begin{array}{r} 3.6 \\ 33 \end{array} \quad \begin{array}{r} 4.6 \\ 22 \end{array} \quad 5.0 \quad \begin{array}{r} 5.0 \\ 33 \end{array}$$

$$\begin{array}{r} 4.5 \\ 33 \end{array} \quad 5.0 \quad \begin{array}{r} 5.0 \\ 33 \end{array}$$

$$\begin{array}{r} 4.5 \\ 33 \end{array} \quad \begin{array}{r} 4.6 \\ 18 \end{array} \quad 4.5 \quad \begin{array}{r} 4.6 \\ 20 \end{array} \quad \begin{array}{r} 4.8 \\ 33 \end{array}$$

$$\begin{array}{r} 4.2 \\ 33 \end{array} \quad 4.1 \quad \begin{array}{r} 3.9 \\ 33 \end{array}$$



May 16-32

Gold 402

HENRY ST. S.W.

FROM

1/4 Mile South

TO

SOUTH ST. E.

STA. + H.I. - E.I.V.

B.M. 509 309⁷⁹ 304⁷⁵

T.P. 786 317¹¹ 05⁴ 309²⁵

T.P. 721 323¹⁰ 17² 315³⁹

B.M. 631 316.79

0+00 15.4

1 17.8

2 21.6

3 21.1

+70 19.5

4 17.1

T.P. 186 31725 7.21 315.39

5 14.6

6 11.3

7 09.5

8 10.3

Colder than hell 7/14/32

SPRIKE

Tel. Pole S.E. Cor. HENRY ST. + South ST.

spot in G. Pole W. of 0+00

$\frac{6.3}{33}$ $\frac{7.3}{12}$ $\frac{7.7}{11}$ 7.7 $\frac{8.4}{15}$ $\frac{9.2}{33}$

$\frac{4.8}{33}$ $\frac{5.1}{12}$ $\frac{5.6}{11}$ 5.3 $\frac{5.7}{7}$ $\frac{5.5}{33}$

$\frac{3.6}{33}$ $\frac{2.5}{10}$ 1.5 $\frac{2.0}{7}$ $\frac{1.0}{8}$ $\frac{0.5}{33}$

$\frac{3.2}{33}$ $\frac{2.7}{11}$ 2.0 $\frac{2.5}{7}$ $\frac{1.8}{9}$ $\frac{1.0}{33}$

$\frac{3.8}{33}$ $\frac{3.8}{9}$ $\frac{4.4}{7}$ 3.6 $\frac{4.0}{9}$ $\frac{3.5}{10}$ $\frac{3.8}{33}$

$\frac{5.5}{33}$ $\frac{6.1}{8}$ $\frac{6.6}{6}$ 6.0 $\frac{6.4}{8}$ $\frac{6.0}{9}$ $\frac{6.5}{33}$

$\frac{6.2}{33}$ $\frac{1.2}{17}$ $\frac{3.1}{11}$ 2.7 $\frac{3.7}{8}$ $\frac{2.8}{16}$ $\frac{2.7}{33}$

$\frac{6.1}{33}$ $\frac{6.8}{12}$ 6.0 $\frac{7.0}{12}$ $\frac{7.2}{33}$

$\frac{9.4}{33}$ $\frac{10.0}{12}$ $\frac{8.2}{7}$ 7.8 $\frac{8.2}{8}$ $\frac{9.5}{11}$ $\frac{10.0}{33}$

$\frac{7.5}{33}$ $\frac{7.5}{12}$ 7.0 $\frac{7.5}{10}$ $\frac{7.8}{33}$

317.25

9 12.7

10 13.1

11 13.1

12 10.2

TP 2.00 369.99 9.26 307.99
+78 So. prop. line 05.9

13+11.2' $\pm$ South St. E. 04.1

B.M. 5.25 304.74 304.75

X X X X X X X X X X X

HENRY ST.

B.M. 1.29 306.04 304.75
0+00 03.6

+33 02.0

1 01.3

2 01.3

3 00.3

Wery Wery Windy

$$\frac{4.7}{33} \quad \frac{5.1}{9} \quad 4.6 \quad \frac{5.0}{8} \quad \frac{4.6}{10} \quad \frac{4.6}{33}$$

$$\frac{4.0}{33} \quad \frac{4.3}{10} \quad \frac{5.2}{9} \quad 4.2 \quad \frac{4.6}{10} \quad \frac{4.2}{12} \quad \frac{3.7}{33}$$

$$\frac{3.5}{33} \quad \frac{4.3}{11} \quad \frac{5.0}{10} \quad 4.2 \quad \frac{4.7}{12} \quad \frac{4.9}{33}$$

$$\frac{6.6}{33} \quad \frac{7.0}{12} \quad 7.1 \quad \frac{7.7}{17} \quad \frac{7.7}{33}$$

$$\frac{1.6}{33} \quad \frac{2.6}{17} \quad \frac{4.3}{12} \quad 4.0 \quad \frac{4.2}{13} \quad \frac{5.0}{33}$$

$$\frac{5.4}{33} \quad 5.9 \quad \frac{6.3}{33}$$

$$\frac{2.1}{33} \quad 2.4 \quad \frac{2.4}{33}$$

$$\frac{5.8}{33} \quad \frac{5.8}{18} \quad \frac{4.4}{10} \quad 4.0 \quad \frac{4.4}{12} \quad \frac{5.0}{16} \quad \frac{5.3}{33}$$

$$\frac{6.3}{33} \quad \frac{6.0}{23} \quad \frac{6.3}{21} \quad \frac{6.5}{19} \quad \frac{5.2}{9} \quad 4.7 \quad \frac{5.0}{13} \quad \frac{5.7}{16} \quad \frac{5.5}{21} \quad \frac{5.0}{33}$$

$$\frac{5.6}{33} \quad \frac{5.3}{23} \quad \frac{6.4}{19} \quad \frac{6.4}{14} \quad \frac{4.6}{10} \quad 4.7 \quad \frac{5.0}{13} \quad \frac{6.0}{16} \quad \frac{5.8}{19} \quad \frac{4.8}{23} \quad \frac{4.8}{33}$$

$$\frac{6.7}{33} \quad \frac{6.7}{22} \quad \frac{7.4}{20} \quad \frac{7.0}{14} \quad \frac{6.0}{12} \quad 5.7 \quad \frac{6.0}{13} \quad \frac{6.7}{16} \quad \frac{6.7}{19} \quad \frac{5.7}{24} \quad \frac{5.7}{33}$$

306.04

+44

E First Ave 300.5

+77

N. prop line 1st 300.4

4

300.4

5

300.8

6

01.6

TP

7.31 309.13 4.22 301.82

+37

So. prop line 2nd 01.7

+67

E 2nd Ave. 02.1

+97

No. prop line 2nd 02.6

8

05.1

+40

5.8

9

04.7

+68

So. prop. line 3rd 04.6

+98

E 3rd Ave 04.4

13M.

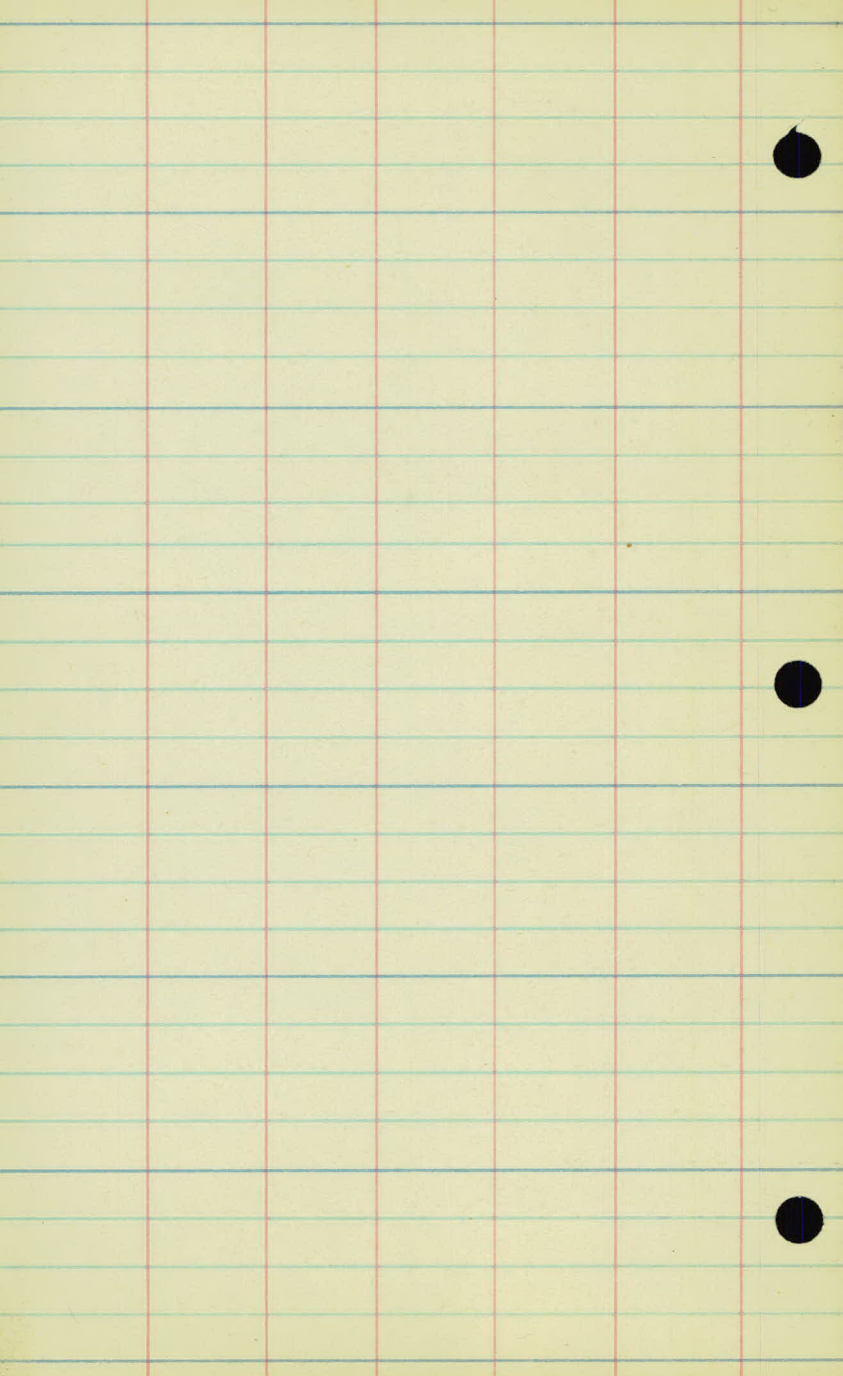
8.23 300.90 301.23

Lt

L

Right.

Not traveled $\frac{76}{33}$ $\frac{65}{16}$ 5.5 $\frac{5.0}{33}$ $\frac{80}{33}$ $\frac{70}{14}$ $\frac{60}{10}$ 5.6 $\frac{56}{14}$ $\frac{55}{33}$ $\frac{77}{33}$ $\frac{55}{9}$ $\frac{61}{8}$ 5.6 $\frac{56}{18}$ $\frac{53}{33}$ $\frac{68}{33}$ $\frac{66}{15}$ $\frac{50}{10}$ $\frac{57}{7}$ 5.2 $\frac{52}{11}$ $\frac{50}{17}$ $\frac{42}{23}$ $\frac{40}{33}$ $\frac{42}{33}$ $\frac{42}{12}$ $\frac{48}{8}$ 4.4 $\frac{44}{7}$ $\frac{40}{15}$ $\frac{30}{21}$ $\frac{28}{33}$ $\frac{72}{33}$ $\frac{70}{12}$ $\frac{75}{9}$ 7.4 $\frac{70}{7}$ $\frac{64}{21}$ $\frac{66}{33}$ $\frac{68}{33}$ $\frac{68}{12}$ $\frac{71}{10}$ 7.0 $\frac{68}{7}$ $\frac{65}{15}$ $\frac{60}{18}$ $\frac{56}{33}$ $\frac{70}{33}$ $\frac{60}{29}$ $\frac{65}{22}$ $\frac{73}{20}$ $\frac{73}{18}$ $\frac{62}{12}$ $\frac{68}{9}$ 6.5 $\frac{65}{9}$ $\frac{57}{33}$ $\frac{61}{33}$ $\frac{50}{22}$ $\frac{56}{20}$ $\frac{56}{18}$ " $\frac{44}{75}$ $\frac{40}{12}$ $\frac{46}{9}$ 4.0 $\frac{40}{10}$ $\frac{33}{33}$ $\frac{53}{33}$ $\frac{42}{23}$ $\frac{52}{21}$ $\frac{52}{19}$ $\frac{42}{16}$ $\frac{30}{11}$ $\frac{38}{10}$ 3.3 $\frac{33}{17}$ $\frac{33}{33}$ $\frac{62}{33}$ $\frac{50}{31}$ $\frac{50}{23}$ $\frac{55}{19}$ $\frac{55}{16}$ $\frac{44}{11}$ $\frac{50}{9}$ 4.4 $\frac{44}{8}$ $\frac{50}{11}$ $\frac{42}{33}$ $\frac{47}{33}$ $\frac{43}{26}$ $\frac{60}{19}$ 4.5 $\frac{58}{33}$ $\frac{58}{33}$ 4.7 $\frac{55}{33}$ Top Hyd So. Side Park. on 3rd Ave.



X Sections
Margaret St.
From E. & W. $\frac{1}{4}$ line Sec. 13
To
South Ave E.

B.M. 5.05 314.02 308.97
0+00 08.2

1 06.3

2 06.8

3 09.7

4 07.2

5 04.6

6 04.5

T.P. 2.71 307.85 888 305.14

7 04.6

8 04.4

9 02.5

10 301.5

11 299.3

12 96.7

Lt Lt Rt

Nail

$$\frac{65}{33} \quad 58 \quad \frac{53}{33}$$

$$\frac{75}{33} \quad 77 \quad \frac{78}{33}$$

$$\frac{62}{33} \quad \frac{57}{26} \quad 72 \quad \frac{74}{33}$$

$$\frac{38}{33} \quad 43 \quad \frac{36}{33}$$

$$\frac{60}{33} \quad \frac{70}{20} \quad 68 \quad \frac{77}{33}$$

$$\frac{80}{33} \quad \frac{86}{23} \quad \frac{90}{21} \quad 94 \quad \frac{104}{7} \quad \frac{110}{33}$$

$$\frac{78}{33} \quad \frac{92}{18} \quad 95 \quad \frac{100}{5} \quad \frac{33}{33} \quad 10.0$$

Nail in TP 14 side. 6 + 85

$$\frac{31}{33} \quad \frac{36}{23} \quad 33 \quad \frac{33}{19} \quad \frac{28}{23} \quad \frac{30}{33}$$

$$\frac{20}{33} \quad \frac{20}{22} \quad \frac{35}{21} \quad 35 \quad \frac{35}{7} \quad \frac{16}{9} \quad \frac{25}{33}$$

$$\frac{60}{33} \quad \frac{64}{30} \quad \frac{56}{21} \quad 55 \quad \frac{55}{7} \quad \frac{50}{8} \quad \frac{43}{18} \quad \frac{48}{21} \quad \frac{53}{33}$$

$$\frac{55}{33} \quad \frac{55}{28} \quad \frac{61}{17} \quad \frac{66}{16} \quad 65 \quad \frac{65}{9} \quad \frac{60}{10} \quad \frac{63}{33}$$

$$\frac{73}{33} \quad \frac{77}{24} \quad \frac{90}{20} \quad 86 \quad \frac{86}{8} \quad \frac{81}{9} \quad \frac{77}{33}$$

$$\frac{104}{33} \quad \frac{112}{21} \quad 112 \quad \frac{118}{16} \quad \frac{124}{33}$$

Sta. + H.I. - Elev
307.85

13 298.9

14 305.0

T.P. 11.62 317.65 1.82 306.03

15 11.2

16 13.0

17 09.1

18 05.3

19 03.9

T.P. 5.35 309.52 13 H8 304.17

20 03.1

21 04.0

+40 04.5

22 03.4

23 02.4

+65 01.2

Left

±

Right.

$$\frac{14.2}{33} \quad \frac{14.4}{21} \quad \frac{9.7}{16} \quad 9.0 \quad \frac{9.1}{8} \quad \frac{13.2}{18} \quad \frac{13.7}{33}$$

$$\frac{5.2}{33} \quad \frac{3.3}{24} \quad 2.9 \quad \frac{3.2}{10} \quad \frac{0.0}{17} \quad \frac{+1.0}{33} \text{ over H.h.}$$

$$\frac{6.1}{33} \quad \frac{5.5}{20} \quad \frac{7.1}{18} \quad 6.5 \quad \frac{6.4}{9} \quad \frac{3.2}{33} \text{ (New Drive Way)}$$

$$\frac{14}{33} \quad \frac{2.1}{18} \quad \frac{4.6}{11} \quad 4.7 \quad \frac{4.7}{12} \quad \frac{0.7}{17} \quad \frac{0.0}{33}$$

$$\frac{10.6}{33} \quad \frac{9.2}{18} \quad 8.6 \quad \frac{8.2}{15} \quad \frac{6.0}{18} \quad \frac{5.3}{33}$$

$$\frac{14.2}{33} \quad \frac{14.0}{26} \quad \frac{13.4}{25} \quad \frac{12.7}{18} \quad \frac{13.0}{13} \quad 12.4 \quad \frac{12.4}{13} \quad \frac{11.6}{17} \quad \frac{11.3}{33}$$

$$\frac{17.8}{33} \quad \frac{14.8}{15} \quad 13.8 \quad \frac{14.2}{10} \quad \frac{15.4}{15} \quad \frac{14.3}{33}$$

$$\frac{9.2}{33} \quad \frac{8.6}{25} \quad \frac{7.8}{22} \quad \frac{6.8}{18} \quad 6.4 \quad \frac{6.1}{15} \quad \frac{4.5}{19} \quad \frac{3.2}{33}$$

$$\frac{6.3}{33} \quad \frac{5.7}{23} \quad \frac{5.0}{21} \quad \frac{4.5}{18} \quad \frac{6.1}{15} \quad 5.5 \quad \frac{5.5}{24} \quad \frac{+1.0}{33} \text{ over H.h.}$$

$$\frac{7.2}{33} \quad \frac{7.0}{23} \quad \frac{5.7}{20} \quad 5.0 \quad \frac{6.2}{10} \quad \frac{6.0}{26} \quad \frac{4.7}{31} \quad \frac{0.5}{33} \rightarrow$$

$$\frac{8.6}{33} \quad \frac{8.2}{22} \quad \frac{6.7}{20} \quad 6.1 \quad \frac{5.6}{26} \quad \frac{1.7}{33} \rightarrow$$

$$\frac{8.6}{33} \quad \frac{8.6}{24} \quad \frac{7.2}{20} \quad \frac{8.0}{18} \quad 7.1 \quad \frac{7.1}{29} \quad \frac{6.1}{33}$$

$$\frac{9.0}{33} \quad \frac{7.6}{19} \quad \frac{8.8}{13} \quad 8.1 \quad \frac{8.2}{27} \quad \frac{7.2}{31} \quad \frac{7.6}{33}$$

309.52

24

300.1

25

295.9

T.F. 3.08 298.90 13.70 295.82

+84 So. prop line So 93.9

26

93.9

+16 ~~±~~ So. Ave 93.7

B.M. (3.24 295.66 297.18

Nuts ? → 1.64 297.26

LEFT & RIGHT

$\frac{9.7}{33}$ $\frac{9.1}{24}$ $\frac{9.1}{15}$ $\frac{10.1}{12}$ 9.4 $\frac{10.0}{27}$ $\frac{9.2}{30}$ $\frac{9.0}{33}$

$\frac{14.0}{33}$ $\frac{14.1}{24}$ $\frac{13.0}{20}$ $\frac{12.8}{16}$ $\frac{14.1}{14}$ 13.6 $\frac{14.2}{13}$ $\frac{13.5}{17}$ $\frac{13.5}{33}$

$\frac{6.0}{33}$ $\frac{5.5}{13}$ 5.0 $\frac{5.2}{15}$ $\frac{4.2}{17}$ $\frac{4.5}{33}$

$\frac{7.0}{33}$ $\frac{6.0}{20}$ 5.0 $\frac{5.0}{20}$ $\frac{5.6}{21}$ $\frac{5.6}{22}$ $\frac{4.7}{23}$ $\frac{5.0}{33}$

$\frac{6.5}{33}$ 5.2 $\frac{4.5}{33}$

Top Hyd N.E. cor. So. Ave & Margaret.

8

X Sections.

Second St.

From South Ave To Int. Car Tracks,

T. C. R. T. Co.

Sta.	+	Nl.	-	Elev.
B.M.	0.24	272.11		271.87
T.P.	5.33	271.24	6.20	265.91
" "	12.35	283.31	0.28	270.96
" "	13.46	296.35	0.42	282.89
B.M.			1.19	295.16
T.P.	13.19	308.60	0.94	295.41
" "	8.72	316.72	0.60	308.00
B.M.			0.42	316.30
0+00		E South St. 314.1		

+33 N. prop line 13.9

1 10.7

+60 10.0

+79.2 Alley on E 89.7 09.7

2 08.3

T.P. 13.2 308.02 10.02 306.70

3 02.2

+14.2 So. line 01.9

+44.3 E 1st Ave NW 01.4

+74.2 300.8

Cool and Windy.

5-16-32

Lt E Rt

Top Hyd. Sta. 3+00 on 3rd Ave.

Top Hyd Int. 7th and 2nd St. (N.E. cor.)
N.W.

Top Hyd. N.E. South St and 2nd Ave N.W.

$$\frac{4.3}{33} \quad 2.6 \quad \frac{1.2}{33}$$

$$\frac{1.7}{33} \quad \frac{1.7}{20} \quad \frac{3.0}{18} \quad \frac{2.6}{14} \quad \frac{5.3}{7} \quad 2.8 \quad \frac{3.2}{22} \quad \frac{2.7}{23} \quad \frac{2.0}{33}$$

$$\frac{13.0}{33} \quad \frac{11.7}{18} \quad \frac{6.3}{6} \quad 6.0 \quad \frac{6.0}{22} \quad \frac{2.2}{33}$$

$$\frac{10.4}{33} \quad \frac{7.0}{9} \quad 6.7 \quad \frac{6.8}{15} \quad \frac{3.3}{22} \quad \frac{1.3}{33}$$

$$\left(\frac{10.2}{33} \quad \frac{2.4}{9} \quad 7.0 \quad \frac{1.3}{33} \right)$$

$$\frac{13.3}{33} \quad \frac{7.4}{4} \quad 8.4 \quad \frac{8.0}{20} \quad \frac{5.5}{33}$$

$$\frac{7.2}{33} \quad \frac{6.0}{11} \quad 5.8 \quad \frac{5.5}{20} \quad \frac{3.0}{26} \quad \frac{1.5}{33}$$

$$\frac{6.6}{33} \quad \frac{7.0}{15} \quad 6.1 \quad \frac{5.8}{18} \quad \frac{3.0}{28} \quad \frac{2.4}{33}$$

$$\frac{7.1}{33} \quad \frac{7.7}{23} \quad \frac{8.6}{19} \quad \frac{6.7}{7} \quad 6.6 \quad \frac{5.5}{19} \quad \frac{5.2}{33}$$

$$\frac{6.2}{33} \quad \frac{7.0}{22} \quad \frac{8.0}{19} \quad \frac{8.0}{16} \quad \frac{6.8}{9} \quad \frac{7.6}{6} \quad 7.2 \quad \frac{7.2}{14} \quad \frac{7.8}{16} \quad \frac{7.8}{18} \quad \frac{6.6}{19} \quad \frac{6.3}{33}$$

STA. + H. 1 - ELEV.

308.02

4 299.9

+55 98.0

B.M. 1.47 296.63 12.88 295.14 295.16

5 94.0

+24 App. 2 Pave T^h Ave N. 1st. 93.2

6 91.6

7 284.76 283.90 87.1

T.P. 086 296.15 12.73 295.29

8 79.4

8+50 271.86 271.54 73.8

T.P. 032 283.25 13.22 282.93

9 68.7

10 62.8

11 260.75 258.86 59.8

T.P. 189 272.14 13.00 270.25

LT L LT

$\frac{5.4}{33}$ $\frac{5.7}{23}$ $\frac{7.0}{20}$ $\frac{6.0}{17}$ $\frac{5.8}{13}$ $\frac{8.4}{9}$ $\frac{8.4}{7}$ 8.1 $\frac{8.4}{16}$ $\frac{7.0}{19}$ $\frac{6.0}{22}$ $\frac{5.8}{33}$

$\frac{5.5}{33}$ $\frac{6.0}{25}$ $\frac{7.4}{20}$ $\frac{8.0}{17}$ $\frac{11.0}{13}$ 11.0 $\frac{11.2}{14}$ $\frac{12.0}{17}$ $\frac{12.0}{18}$ $\frac{8.4}{26}$ $\frac{8.0}{33}$

Top Hyd. 7th Avo. & 2nd St. N.Y.
 $\frac{23.5}{33}$ $\frac{2.6}{28}$ $\frac{3.3}{14}$ $\frac{3.7}{16}$ $\frac{3.7}{18}$ $\frac{3.2}{20}$ $\frac{4.0}{33}$
 Edge River

Chr. $\frac{2.45}{33}$ 3.4 $\frac{4.25}{33}$ Chr. para.

$\frac{2.0}{33}$ $\frac{3.3}{16}$ $\frac{5.3}{12}$ 5.0 $\frac{5.5}{14}$ $\frac{5.0}{15}$ $\frac{4.8}{21}$ $\frac{5.5}{33}$

$\frac{8.2}{33}$ $\frac{8.9}{20}$ $\frac{10.1}{15}$ 9.5 $\frac{10.3}{14}$ $\frac{9.6}{16}$ $\frac{9.3}{25}$ $\frac{9.3}{33}$

$\frac{6.5}{23}$ $\frac{5.5}{23}$ $\frac{6.5}{19}$ 5.4 $\frac{6.0}{15}$ $\frac{7.0}{19}$ $\frac{7.7}{33}$

$\frac{11.6}{33}$ $\frac{12.0}{19}$ 11.0 $\frac{11.3}{13}$ $\frac{19.0}{17}$ $\frac{14.6}{33}$

$\frac{2.1}{33}$ $\frac{2.5}{25}$ $\frac{3.8}{21}$ 3.2 $\frac{3.3}{10}$ $\frac{6.0}{16}$ $\frac{7.0}{33}$

$\frac{9.6}{33}$ $\frac{9.6}{21}$ 9.1 $\frac{9.4}{15}$ $\frac{10.0}{17}$ $\frac{10.0}{19}$ $\frac{9.0}{22}$ $\frac{8.2}{33}$

$\frac{13.1}{33}$ $\frac{13.9}{21}$ $\frac{14.5}{24}$ $\frac{14.5}{21}$ $\frac{13.6}{18}$ 12.1 $\frac{12.8}{18}$ $\frac{13.5}{19}$ $\frac{13.5}{21}$ $\frac{12.5}{23}$ $\frac{12.5}{33}$

STA. + H.I. - Elev.

12 $272\overset{14}{-}$
 260.75 57.1

13 56.6

13+50 ∇ ST. Ry. Tracks 57.3

B.M. $12\overset{9}{-}$ 259.51
 270.90

-L-

-R-

$\frac{35}{33}$ $\frac{37}{21}$ $\frac{50}{18}$ $\frac{50}{17}$ $\frac{46}{16}$ 37

$\frac{40}{21}$ $\frac{42}{24}$ $\frac{33}{27}$ $\frac{37}{33}$

$\frac{5.3}{33}$

$\frac{5.3}{16}$

42

$\frac{38}{16}$

$\frac{60}{29}$

$\frac{77}{30}$

$\frac{79}{31}$

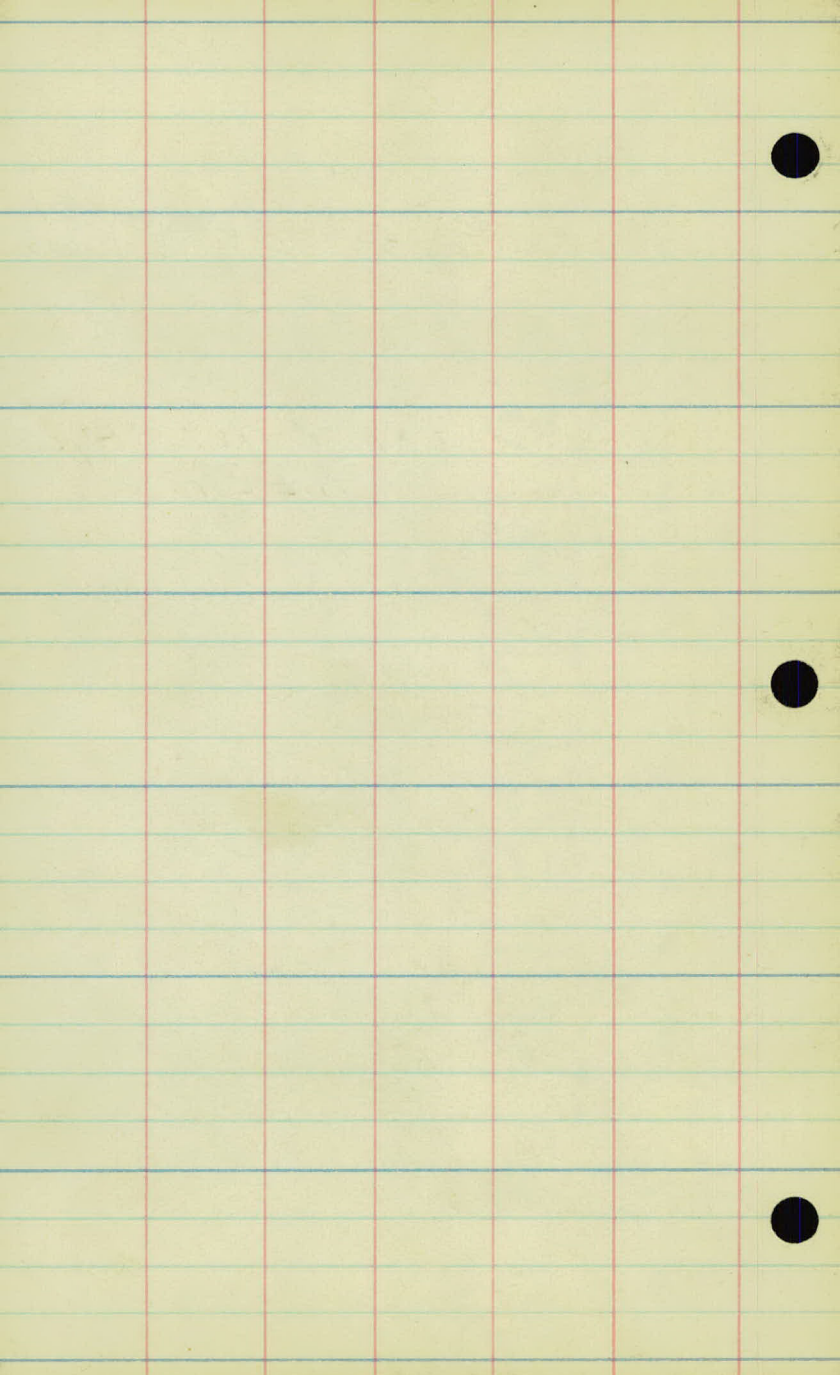
$\frac{60}{33}$

ETBACK $\frac{42}{33}$

35

$\frac{3.6}{33}$ $\frac{1}{2}$ TRACK

2ND ST. N.W. + ST. Ry. TRACKS TOP. Hyp.
N.E. Cor.



May 17-32
Shoog 10.1
Messenburg
McLaren

FIRST Ave N.W.
from
2ND ST. N. W.
1ST ST. N. W.

MAY 17-32

STA. + H.I. - Elev.

B.M. 027 316⁵⁷ 316³⁰

T.P. 144 307⁵⁰ 10⁵¹ 306⁰⁶

0+00 E 2ND ST. N.W. 01.4

0+33 EAST Prop-Line 02.7

1 04.4

1+70 02.5

2 301.2

2+60 298.5

3 95.6

T.P. 224 298¹² 116² 295⁸⁸

3+50 94.3

4 93.6

5 94.4

-2-

-R-

Top Hyp N.E. Cor. South Ave + 2nd St. N.W.

$$\frac{7.0}{33}$$

6'

$$\frac{5.9}{33}$$

$$\frac{5.7}{33}$$

$$\frac{5.7}{21}$$

$$\frac{6.0}{19}$$

$$\frac{6.0}{17}$$

$$\frac{5.5}{14}$$

$$48$$

$$\frac{4.4}{12}$$

$$\frac{5.0}{15}$$

$$\frac{5.0}{17}$$

$$\frac{3.4}{18}$$

$$\frac{1.2}{33}$$

$$\frac{4.6}{33}$$

$$\frac{4.6}{16}$$

$$\frac{4.1}{12}$$

$$31$$

$$\frac{3.2}{15}$$

$$\frac{1.8}{26}$$

$$\frac{1.4}{33}$$

$$\frac{6.6}{33}$$

$$\frac{6.8}{14}$$

$$\frac{6.2}{13}$$

$$52$$

$$\frac{4.7}{14}$$

$$\frac{6.6}{18}$$

$$\frac{6.6}{20}$$

$$\frac{4.2}{26}$$

$$\frac{4.2}{33}$$

$$\frac{6.6}{33}$$

$$\frac{6.8}{20}$$

$$63$$

$$\frac{6.3}{15}$$

$$\frac{7.8}{20}$$

$$\frac{7.5}{33}$$

$$\frac{9.0}{33}$$

$$\frac{8.6}{21}$$

$$\frac{9.6}{15}$$

$$90$$

$$\frac{8.7}{18}$$

$$\frac{7.0}{23}$$

$$\frac{6.8}{33}$$

$$\frac{12.7}{33}$$

$$\frac{12.4}{16}$$

$$119$$

$$\frac{11.4}{16}$$

$$\frac{12.0}{20}$$

$$\frac{11.5}{22}$$

$$\frac{11.5}{33}$$

$$\frac{7.6}{33}$$

$$\frac{7.0}{22}$$

$$\frac{4.6}{14}$$

$$38$$

$$\frac{4.2}{10}$$

$$\frac{6.8}{20}$$

$$\frac{6.3}{33}$$

$$\frac{8.1}{33}$$

$$\frac{8.1}{26}$$

$$\frac{5.2}{15}$$

$$45$$

$$\frac{4.7}{12}$$

$$\frac{4.4}{33}$$

$$\frac{5.2}{33}$$

$$\frac{4.9}{19}$$

$$37$$

$$\frac{2.3}{20}$$

$$\frac{1.0}{24}$$

$$\frac{0.5}{33}$$

STA.	+	H.I.	-	Elev.
------	---	------	---	-------

298¹²

5+50

92.9

6

90.9

6+24 West Prop. Line 90.0

6+57 E First St. N.W. 288.8

T.P. 595 294³³ 974 288³⁸

B.M.

454

28979

-L-

-R-

$$\frac{7.1}{33}$$

$$\frac{6.1}{16}$$

$$52$$

$$\frac{5.0}{13}$$

$$\frac{3.5}{16}$$

$$\frac{3.0}{23}$$

$$\frac{2.0}{26}$$

$$\frac{1.0}{33}$$

$$\frac{9.7}{33}$$

$$\frac{8.6}{16}$$

$$\frac{8.0}{12}$$

$$72$$

$$\frac{6.6}{13}$$

$$\frac{4.8}{18}$$

$$\frac{3.3}{23}$$

$$\frac{2.1}{33}$$

$$\frac{10.3}{33}$$

$$\frac{9.1}{15}$$

$$81$$

$$\frac{7.7}{20}$$

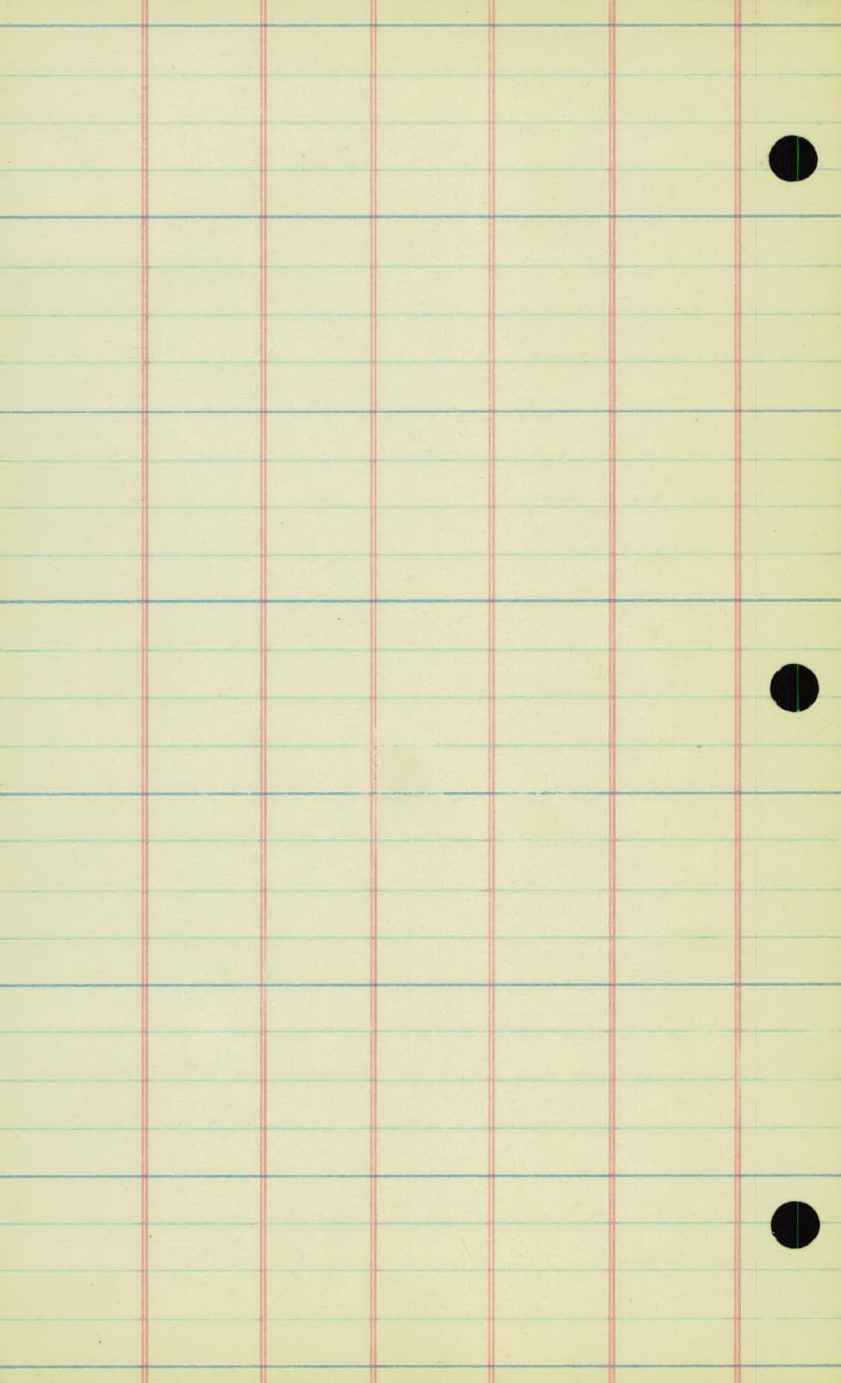
$$\frac{4.8}{33}$$

$$\frac{11.2}{33}$$

$$93$$

$$\frac{7.5}{33}$$

Top. Hyp N.E Cor. 1st Ave N.W. + 1st St. N.W.



MAY-17-32

FIRST ST. N.W.

FROM $\frac{1}{4}$ MILE So.

TO SOUTH AVE.

Sta.	+	Σ	-	Elev.
B.M.				316.80
	6.96	323.26	-	
T.P.			11.54	311.72 ✓
	2.04	313.76	-	
T.P.			1.11	312.65 ✓
	13.78	326.43	-	
T.P.			0.78	325.65 ✓
	8.93	334.58	-	
B.M.			4.07	330.51
T.P.			4.52	330.06
	3.21	333.27	-	
B.M.			8.03	325.24
0+00				24.8
1				25.7
2				29.0
3				26.0
3+26				26.7
4				27.9
5				29.8

-L-

-R-

Top Hyd. South Ave + 2ND St. N.W. N.E. Cor.

B.M. Top of Hyd. R. of Sta. 6+85

B.M. Top of pipe in Monum. Sta. 0+00

$$\frac{7.3}{33}$$

$$8.5$$

$$\frac{11.0}{33}$$

$$\frac{2.9}{33}$$

$$\frac{2.6}{31}$$

$$\frac{5.7}{23}$$

$$\frac{6.6}{14}$$

$$\frac{7.1}{13}$$

$$7.6$$

$$\frac{9.1}{33}$$

$$\frac{2.9}{33}$$

$$\frac{3.4}{15}$$

$$\frac{4.1}{13}$$

$$4.3$$

$$\frac{4.5}{8}$$

$$\frac{8.0}{33}$$

$$\frac{5.6}{33}$$

$$7.3$$

$$\frac{8.3}{33}$$

$$\frac{7.5}{33}$$

$$\frac{6.3}{29}$$

$$\frac{5.8}{15}$$

$$6.6$$

$$\frac{7.2}{33}$$

$$\frac{6.9}{33}$$

$$\frac{5.4}{28}$$

$$\frac{6.1}{12}$$

$$5.4$$

$$\frac{5.8}{12}$$

$$\frac{5.3}{14}$$

$$\frac{4.7}{33}$$

$$\frac{2.7}{33}$$

$$\frac{4.0}{13}$$

$$3.5$$

$$\frac{3.7}{13}$$

$$\frac{3.2}{15}$$

$$\frac{3.8}{33}$$

STA + H.I. Elev.
333²⁷

6 30.2
T.P. 095 33046 376 32951
B.M. 0.00 330.46

7 27.6

8 24.9

8+16 Beg. sidewalk on RT. 24.5
(8+40 Beg. Carb RT.)

9 22.2

10 18.9
(10+06 END Curb on RT.)

T.P. 061 31761 1346 31700

11 14.1

11+45 Alley on Left. 12.1

12 09.4

-L-

-R-

$$\frac{1.5}{33}$$

$$\frac{2.7}{32}$$

$$\frac{3.5}{13}$$

$$3.1$$

$$\frac{3.6}{15}$$

$$\frac{3.0}{33}$$

$$\frac{0.0}{33}$$

$$\frac{2.1}{30}$$

$$\frac{3.2}{13}$$

$$2.9$$

$$\frac{3.3}{15}$$

$$\frac{2.8}{17}$$

$$\frac{3.7}{33}$$

$$\frac{3.5}{33}$$

$$\frac{5.2}{31}$$

$$\frac{5.6}{15}$$

$$\frac{6.4}{13}$$

$$5.6$$

$$\frac{6.1}{13}$$

$$\frac{5.7}{16}$$

$$\frac{5.8}{29}$$

$$\frac{5.1}{33}$$

$$\frac{3.5}{33}$$

$$\frac{5.5}{31}$$

$$\frac{6.2}{15}$$

$$\frac{6.7}{13}$$

$$6.2$$

$$\frac{6.6}{14}$$

$$\frac{6.1}{16}$$

$$\frac{S.W.}{6.2}$$

$$\frac{S.W.}{6.2}$$

$$\frac{5.4}{33}$$

$$\frac{7.7}{30}$$

$$\frac{8.3}{15}$$

$$\frac{9.0}{13}$$

$$8.3$$

$$\frac{9.0}{16}$$

$$\frac{CURB}{8.7}$$

$$\frac{S.W.}{8.5}$$

$$\frac{S.W.}{8.5}$$

$$\frac{10.8}{33}$$

$$\frac{11.5}{16}$$

$$\frac{12.1}{14}$$

$$11.6$$

$$\frac{12.0}{15}$$

$$\frac{CURB}{11.3}$$

$$\frac{S.W.}{11.3}$$

$$\frac{S.W.}{11.3}$$

$$\frac{3.7}{33}$$

$$\frac{3.0}{29}$$

$$\frac{3.0}{15}$$

$$\frac{3.5}{14}$$

$$3.5$$

$$\frac{4.1}{14}$$

$$\frac{3.3}{16}$$

$$\frac{S.W.}{3.0}$$

$$\frac{S.W.}{3.0}$$

$$\frac{5.7}{33}$$

$$\frac{6.3}{15}$$

$$5.5$$

$$\frac{6.1}{14}$$

$$\frac{5.5}{15}$$

$$\frac{S.W.}{5.4}$$

$$\frac{S.W.}{5.4}$$

$$\frac{9.0}{33}$$

$$\frac{8.1}{30}$$

$$\frac{8.1}{15}$$

$$\frac{9.0}{13}$$

$$\frac{8.6}{11}$$

$$8.2$$

$$\frac{8.6}{15}$$

$$\frac{7.8}{16}$$

$$\frac{S.W.}{7.9}$$

$$\frac{S.W.}{7.9}$$

STA. + H.I. - ELEV.
317⁶¹

12+74 So. Prop. Line .0710

13+07 @ South Ave 06.2

T.P. 1272 319⁸² / 0⁵¹ 307¹⁰

T.P. 427 323²³ 0.86 318⁹⁶

B.M. 6⁹⁶ 316²⁷ = 316³⁰

-L-

-R-

$$\frac{11.0}{33}$$

$$\frac{11.0}{16}$$

$$\frac{11.8}{14}$$

$$\frac{11.2}{12}$$

$$10.6$$

$$\frac{11.0}{12}$$

$$\frac{11.8}{15}$$

$$\frac{10.5}{17}$$

$$\frac{11.1}{25}$$

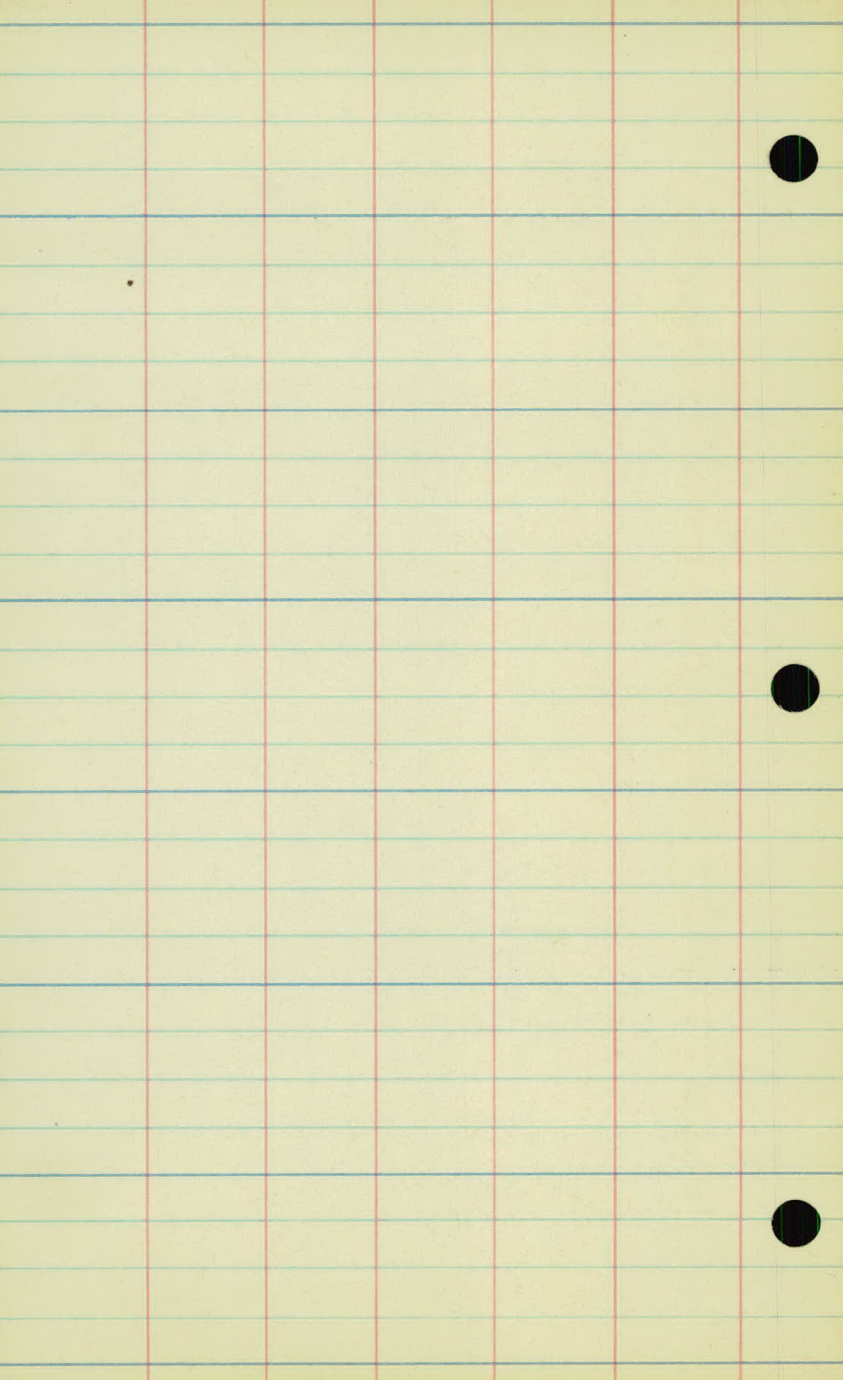
$$\frac{11.1}{29}$$

$$\frac{11.2}{33}$$

$$11.4$$

$$\frac{12.0}{33}$$

Top. Hyp South Ave & 2ND St. N.W. N.E. Cor.



Fourth St. S.W.

From

South Village Limits

To

7th Ave S.W.

STA. + H.I - E.I.V.
B.M. 2642.0

2.66 266.86^v

T.P. 2.47 264.39^v

6.07 270.46^v

T.P. 0.51 269.95^v

13.08 283.03^v

T.P. 2.34 280.69^v

7.56 288.25^v

0+00 Village Limits. 81.0

+33 80.1

1 78.8

2 77.3

2+50 77.6

3 78.2

4 77.3

5 75.0

T. P. 4³² 279²² 13³⁵ 274⁹⁰ ✓

-L-

-R-

B.M. iron plug & concrete slab @ 4th + 7th Sys.

$$\frac{6.2}{33}$$

$$\frac{7.2}{33}$$

$$\frac{2.2}{33}$$

$$\frac{7.8}{33}$$

$$\frac{8.2}{24}$$

$$\frac{8.2}{14}$$

$$8.2$$

$$\frac{8.5}{7}$$

$$\frac{9.2}{10}$$

$$\frac{9.6}{16}$$

$$\frac{10.0}{17}$$

$$\frac{10.0}{19}$$

$$\frac{9.2}{20}$$

$$\frac{9.2}{33}$$

$$\frac{11.0}{33}$$

$$\frac{10.6}{19}$$

$$\frac{9.8}{15}$$

$$9.5$$

$$\frac{9.7}{9}$$

$$\frac{10.0}{11}$$

$$\frac{11.4}{12}$$

$$\frac{11.4}{6}$$

$$\frac{9.2}{19}$$

$$\frac{7.4}{33}$$

$$\frac{11.3}{33}$$

$$\frac{12.0}{19}$$

$$\frac{11.2}{13}$$

$$11.0$$

$$\frac{11.5}{7}$$

$$\frac{14.1}{13}$$

$$\frac{15.0}{33}$$

$$\frac{8.4}{33}$$

$$\frac{10.4}{15}$$

$$\frac{11.0}{13}$$

$$10.7$$

$$\frac{11.1}{7}$$

$$\frac{13.8}{13}$$

$$\frac{16.0}{24}$$

$$\frac{16.5}{33}$$

$$\frac{2.8}{33}$$

$$\frac{2.7}{26}$$

$$\frac{4.2}{19}$$

$$\frac{10.2}{12}$$

$$10.1$$

$$\frac{10.4}{10}$$

$$\frac{13.5}{27}$$

$$\frac{15.8}{33}$$

$$\frac{12.0}{33}$$

$$\frac{10.3}{20}$$

$$\frac{11.3}{12}$$

$$11.0$$

$$\frac{11.0}{10}$$

$$\frac{7.3}{14}$$

$$\frac{7.3}{30}$$

$$\frac{8.2}{33}$$

$$\frac{14.6}{33}$$

$$\frac{14.2}{14}$$

$$\frac{13.8}{12}$$

$$13.3$$

$$\frac{13.8}{14}$$

$$\frac{12.4}{33}$$

Sta. + H.1 - EIV.

279²²

6

72.9

7

72.8

8

72.7

8450

72.1

9

72.5

10

70.8

11

68.7

T.P. 399 271⁰⁸ 12¹³ 267⁰⁹

12

66.5

13

65.3

14

65.4

15

65.2

15450

65.7

-L-

-R-

$$\frac{8.4}{33} \quad \frac{8.3}{15} \quad \frac{6.7}{11} \quad 63 \quad \frac{7.0}{9} \quad \frac{8.1}{12} \quad \frac{6.6}{33}$$

$$\frac{8.8}{33} \quad \frac{8.8}{15} \quad \frac{6.7}{11} \quad 64 \quad \frac{6.8}{9} \quad \frac{7.8}{11} \quad \frac{6.1}{33}$$

$$\frac{5.5}{33} \quad \frac{5.5}{23} \quad \frac{4.3}{21} \quad \frac{4.7}{18} \quad \frac{5.5}{15} \quad 55 \quad \frac{5.7}{8} \quad \frac{1.6}{19} \quad \frac{0.0}{33}$$

$$\frac{7.9}{33} \quad \frac{7.4}{21} \quad \frac{6.0}{18} \quad \frac{6.5}{13} \quad 61 \quad \frac{6.1}{9} \quad \frac{3.0}{13} \quad \frac{2.0}{33}$$

$$\frac{6.1}{33} \quad \frac{6.4}{18} \quad \frac{7.0}{16} \quad 67 \quad \frac{7.0}{8} \quad \frac{6.2}{9} \quad \frac{6.8}{33}$$

$$\frac{7.0}{33} \quad \frac{7.0}{21} \quad \frac{8.4}{16} \quad 84 \quad \frac{8.8}{8} \quad \frac{7.5}{10} \quad \frac{9.6}{33}$$

$$\frac{9.7}{33} \quad \frac{9.7}{19} \quad \frac{10.7}{13} \quad 105 \quad \frac{10.6}{8} \quad \frac{10.6}{18} \quad \frac{10.1}{20} \quad \frac{11.0}{33}$$

$$\frac{5.8}{33} \quad \frac{5.8}{20} \quad \frac{4.6}{12} \quad 46 \quad \frac{5.0}{7} \quad \frac{6.2}{10} \quad \frac{6.8}{33}$$

$$\frac{9.1}{33} \quad \frac{8.2}{21} \quad \frac{9.1}{19} \quad \frac{9.1}{17} \quad \frac{6.2}{14} \quad 58 \quad \frac{6.1}{8} \quad \frac{7.4}{12} \quad \frac{6.0}{33}$$

$$\frac{7.2}{33} \quad \frac{7.4}{20} \quad \frac{7.3}{18} \quad \frac{6.2}{13} \quad 57 \quad \frac{6.0}{8} \quad \frac{6.8}{11} \quad \frac{6.6}{19} \quad \frac{4.6}{33}$$

$$\frac{7.1}{33} \quad \frac{6.2}{15} \quad 59 \quad \frac{6.1}{12} \quad \frac{3.1}{16} \quad \frac{1.3}{33}$$

$$\frac{5.8}{33} \quad \frac{4.8}{17} \quad \frac{5.8}{16} \quad 59 \quad \frac{5.6}{10} \quad \frac{1.5}{17} \quad \frac{0.0}{33}$$

STA. + H.I. - EIV.

271⁰⁸

16 65.3

17 63.7

18 62.7

19 62.3

T.P. 5³² 267³⁵ 905 262⁰³

20 61.5

20+70 61.7

21 62.2

21+30 $\frac{1}{2}$ No. St. Paul Pavement. 64.3

B.M. 3¹⁰ 264²⁵ ✓ = 264²⁰

T.P. 0.97 266.38

13.46 279.84

T.P. 1.17 278.67

12.62 291.29

T.P. 1.35 289.94

13.64 303.58

T.P. 0.15 303.43

B.M. 13.78 317.21 0.94 316.27 = 316³⁰

-L-

-R-

$\frac{5.1}{33}$ $\frac{5.1}{19}$ $\frac{6.2}{15}$ 58 $\frac{6.0}{13}$ $\frac{4.4}{17}$ $\frac{3.8}{33}$

$\frac{4.5}{33}$ $\frac{5.0}{20}$ $\frac{7.8}{15}$ 74 $\frac{7.2}{14}$ $\frac{5.3}{16}$ $\frac{6.0}{33}$

$\frac{11.0}{33}$ $\frac{10.8}{15}$ $\frac{8.9}{11}$ 84 $\frac{8.6}{10}$ $\frac{9.6}{14}$ $\frac{9.3}{28}$ $\frac{7.7}{33}$

$\frac{10.6}{33}$ $\frac{10.1}{13}$ $\frac{9.1}{11}$ 88 $\frac{9.1}{10}$ $\frac{10.1}{13}$ $\frac{10.1}{27}$ $\frac{8.3}{31}$ $\frac{8.3}{33}$

$\frac{8.7}{33}$ $\frac{8.6}{14}$ $\frac{6.9}{10}$ 59 $\frac{6.1}{12}$ $\frac{7.1}{16}$ $\frac{6.7}{2.8}$ $\frac{5.8}{33}$

$\frac{8.5}{33}$ $\frac{8.5}{14}$ $\frac{6.0}{9}$ 57 $\frac{5.3}{13}$ $\frac{7.0}{19}$ $\frac{7.2}{33}$

PAYE

$\frac{3.8}{33}$

PAYE

$\frac{3.7}{21}$

42

$\frac{5.0}{21}$

$\frac{5.8}{24}$

$\frac{5.2}{29}$

$\frac{5.8}{33}$

PAVE

$\frac{3.7}{33}$

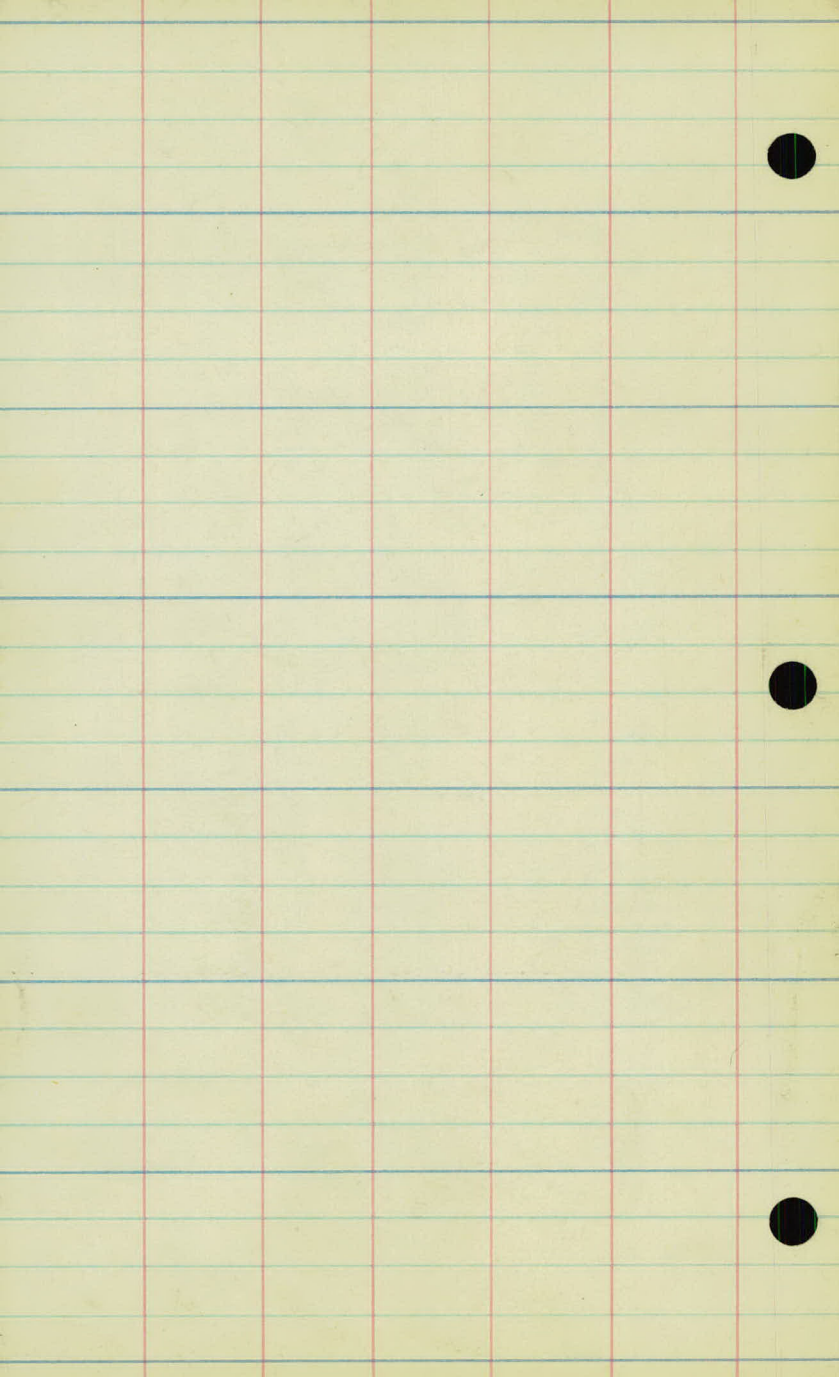
31

PAVE

$\frac{2.7}{33}$

B.M. 1 Iron Plug & concrete slab @ 4th + 7th str.

B.M. N.E. Cor. Top. H/yd. South Ave + 2nd St. N.W.



MAY 18-32

Sk009104
Miesenburg
McLaren

SEVENTH ST. S.W

FROM

8th Ave S.W.

TO.

South Ave. W.

May 18-32

STA.	+	H.I.	-	Elev.
B.M	335	294.95		291.10

0+00 @ 8th Ave S.W., 83.3

+15 84.1

1 88.7

1+63 91.3

1+88 Edge Pavement 92.70

2+01 @ No St. P. Pave. 93.00

2+13 Edge Pavement 93.20

T.P.	457	295.88	314	291.31
------	-----	--------	-----	--------

3 88.8

4 89.2

4+50 91.0

T.P.	757	300.84	261	293.27
------	-----	--------	-----	--------

5 93.3

6 95.0

- L -

- R -

B.M. Top Hyp. N.E. Cor. 7th St. S.W. + 7th Ave S.W.

$$\frac{13.1}{33}$$

$$\frac{12.2}{17}$$

$$11.2$$

$$\frac{10.4}{16}$$

$$\frac{8.3}{27}$$

$$\frac{8.0}{33}$$

PAVE

$$\frac{11.4}{25}$$

$$\frac{11.4}{8}$$

$$\frac{10.6}{4}$$

$$10.4$$

$$\frac{10.6}{1}$$

$$\frac{10.2}{4}$$

$$\frac{8.6}{11}$$

$$\frac{8.2}{33}$$

$$\frac{11.0}{33}$$

$$\frac{10.6}{19}$$

$$\frac{7.0}{9}$$

$$\frac{6.0}{4}$$

$$\frac{7.0}{3}$$

$$5.8$$

$$\frac{6.8}{18}$$

$$\frac{6.2}{20}$$

$$\frac{6.2}{33}$$

$$\frac{3.0}{33}$$

$$\frac{3.8}{25}$$

$$\frac{4.3}{15}$$

$$\frac{3.2}{10}$$

$$3.2$$

$$\frac{2.2}{23}$$

$$\frac{0.0}{27}$$

$$+ \frac{4.0}{33}$$

PAVE
$$\frac{24.5}{33}$$

PAVE
$$\frac{22.5}{24}$$

$$17.5$$

$$\frac{1.6}{13}$$

$$\frac{3.2}{27}$$

$$\frac{3.2}{33}$$

PAVE

$$\frac{4.1}{33}$$

$$\frac{2.1}{29}$$

$$\frac{19.5}{20}$$

$$14.5$$

PAVE
$$\frac{0.75}{30}$$

$$\frac{0.6}{33}$$

PAVE
$$\frac{0.35}{33}$$

$$\frac{3.1}{31}$$

$$\frac{4.2}{29}$$

$$\frac{3.5}{27}$$

$$\frac{3.0}{20}$$

$$12.5$$

$$\frac{7.8}{33}$$

$$\frac{8.4}{22}$$

$$\frac{8.8}{14}$$

$$\frac{7.5}{10}$$

$$7.1$$

$$\frac{7.0}{13}$$

$$\frac{6.5}{33}$$

$$\frac{10.7}{33}$$

$$\frac{10.1}{12}$$

$$\frac{7.0}{7}$$

$$6.7$$

$$\frac{6.0}{18}$$

$$\frac{7.1}{22}$$

$$\frac{6.5}{33}$$

$$\frac{6.1}{33}$$

$$\frac{6.4}{24}$$

$$\frac{6.0}{16}$$

$$\frac{5.0}{11}$$

$$4.9$$

$$\frac{4.5}{17}$$

$$\frac{4.8}{23}$$

$$\frac{4.4}{33}$$

$$\frac{5.8}{33}$$

$$\frac{5.1}{14}$$

$$\frac{4.4}{10}$$

$$\frac{8.1}{7}$$

$$7.5$$

$$\frac{8.0}{13}$$

$$\frac{5.8}{22}$$

$$\frac{6.1}{33}$$

$$\frac{7.0}{33}$$

$$\frac{5.3}{14}$$

$$\frac{6.0}{13}$$

$$5.8$$

$$\frac{6.1}{16}$$

$$\frac{6.6}{33}$$

STA. + 41.84 - Elev.
 6+26 So. Prop Line 5th Ave 95.3
 B.M. 32.8 297⁵⁹ = 297⁵⁸

6+56 E 5th Ave 96.1

6+86 No. Prop. Line 5th Ave 96.2

7 96.1

8 97.3

8+20 approx E Alley 97.7

8+60 98.4

9 97.7

9+54 So. Prop Line 4th Ave 96.2

+84 E 4th Ave 95.3

10+14 No. Prop. Line 4th Ave 94.4

B.M. 230 298⁵⁹ = 298⁵¹

T.P. 3.12 297²⁶ 670 294¹⁴

11 92.9

-L-

-R-

$$\frac{7.0}{33}$$

$$\frac{6.0}{11}$$

$$5.5$$

$$\frac{5.5}{16}$$

$$\frac{6.7}{21}$$

$$\frac{6.8}{33}$$

Top Hyp. S.E. Cor 7th Ave. S.W.

$$\frac{5.4}{33}$$

$$\frac{5.1}{11}$$

$$4.7$$

$$\frac{5.5}{33}$$

$$\frac{5.8}{11}$$

$$3.3$$

$$\frac{4.5}{11}$$

$$4.6$$

$$\frac{4.8}{15}$$

$$\frac{2.8}{18}$$

$$\frac{3.5}{33}$$

$$\frac{6.0}{33}$$

$$\frac{4.5}{10}$$

$$\frac{5.0}{6}$$

$$4.7$$

$$\frac{4.4}{15}$$

$$\frac{2.8}{18}$$

$$\frac{3.1}{33}$$

$$\frac{3.5}{33}$$

$$\frac{3.5}{9}$$

$$\frac{4.0}{6}$$

$$3.5$$

$$\frac{3.5}{16}$$

$$\frac{5.1}{24}$$

$$\frac{5.5}{33}$$

$$\frac{2.8}{33}$$

$$\frac{2.0}{12}$$

$$\frac{3.2}{6}$$

$$3.1$$

$$\frac{3.0}{15}$$

$$\frac{4.3}{28}$$

$$\frac{4.8}{33}$$

$$\frac{2.6}{33}$$

$$\frac{2.0}{12}$$

$$\frac{2.7}{9}$$

$$2.4$$

$$\frac{2.4}{17}$$

$$\frac{3.4}{33}$$

$$\frac{2.1}{33}$$

$$\frac{2.0}{12}$$

$$\frac{3.4}{8}$$

$$3.1$$

$$\frac{3.0}{17}$$

$$\frac{3.3}{33}$$

$$\frac{5.2}{33}$$

$$\frac{4.5}{10}$$

$$\frac{4.8}{9}$$

$$4.6$$

$$\frac{4.4}{14}$$

$$\frac{4.0}{15}$$

$$\frac{4.0}{33}$$

$$\frac{5.8}{33}$$

$$\frac{5.8}{12}$$

$$5.5$$

$$\frac{5.5}{12}$$

$$\frac{4.7}{33}$$

$$\frac{7.7}{33}$$

$$\frac{7.7}{17}$$

$$\frac{6.5}{11}$$

$$\frac{7.0}{10}$$

$$6.4$$

$$\frac{6.1}{11}$$

$$\frac{5.2}{33}$$

Top Hyp. S.E. Cor 4th Ave + 7th St. S.W.

$$\frac{6.1}{33}$$

$$\frac{5.0}{9}$$

$$\frac{5.3}{7}$$

$$4.4$$

$$\frac{4.6}{13}$$

$$\frac{4.6}{33}$$

STA. + H.I. - EIV.

297²⁶

11+50 Applox C Alley 92.1

12 91.5

12+82 So. Prop. Line 3rd Ave 91.3

13+12 C 3rd Ave 91.3

13+42 No. Prop. Line 3rd Ave 91.1

B.M. 3²³ 294⁰³ = 294⁰⁴

14 89.8

T.P. 1²⁹ 290⁹¹ 8¹⁴ 289¹²

15 88.1

16+10 So. prop. Line 2nd Ave SW 83.9

16+40 C 2nd Ave SW 82.3

16+70 No. Prop Line 80.6

B.M. 5⁰⁰ 285⁴¹ = 282⁵⁰

17 79.2

T.P. 0⁷⁵ 279⁰¹ 12¹⁵ 278²⁶

-L-

-R-

$$\frac{6.6}{33}$$

$$\frac{6.2}{11}$$

$$5.2$$

$$\frac{5.7}{13}$$

$$\frac{6.0}{33}$$

$$\frac{7.5}{33}$$

$$\frac{7.3}{21}$$

$$\frac{6.7}{13}$$

$$\frac{6.3}{9}$$

$$5.8$$

$$\frac{6.2}{14}$$

$$\frac{7.5}{21}$$

$$\frac{7.4}{33}$$

$$\frac{6.4}{33}$$

$$\frac{6.3}{13}$$

$$6.0$$

$$\frac{6.4}{12}$$

$$\frac{6.0}{14}$$

$$\frac{7.1}{19}$$

$$\frac{7.1}{33}$$

$$\frac{6.0}{33}$$

$$\frac{6.0}{21}$$

$$6.0$$

$$\frac{6.4}{17}$$

$$\frac{6.6}{33}$$

$$\frac{6.0}{33}$$

$$\frac{6.3}{12}$$

$$6.2$$

$$\frac{6.7}{13}$$

$$\frac{6.6}{19}$$

$$\frac{6.2}{22}$$

$$\frac{6.5}{33}$$

Top Hyd S.E. Cor 3rd Ave + 7th St. S.W.

$$\frac{7.0}{33}$$

$$\frac{7.8}{7}$$

$$7.5$$

$$\frac{7.8}{10}$$

$$\frac{7.8}{33}$$

$$\frac{0.0}{33}$$

$$\frac{2.4}{9}$$

$$2.3$$

$$\frac{3.3}{13}$$

$$\frac{2.5}{15}$$

$$\frac{3.0}{33}$$

$$\frac{3.0}{33}$$

$$\frac{3.4}{21}$$

$$\frac{5.6}{15}$$

$$\frac{6.8}{14}$$

$$6.5$$

$$\frac{7.5}{15}$$

$$\frac{7.0}{16}$$

$$\frac{7.8}{33}$$

$$\frac{6.6}{33}$$

$$\frac{8.3}{10}$$

$$8.1$$

$$\frac{8.8}{20}$$

$$\frac{9.6}{33}$$

$$\frac{8.2}{33}$$

$$\frac{9.8}{12}$$

$$9.8$$

$$\frac{10.6}{15}$$

$$\frac{10.8}{33}$$

Top Hyd. S.E. Cor. 2nd Ave + 7th St. S.W.

$$\frac{9.0}{33}$$

$$\frac{9.5}{27}$$

$$\frac{11.0}{13}$$

$$\frac{11.8}{10}$$

$$11.2$$

$$\frac{12.2}{10}$$

$$\frac{11.8}{12}$$

$$\frac{12.0}{33}$$

STA. + H.I. - EIV.

27901

18 Approx E Alley 73.7

19 67.4

T.P. 105 26742 1264 26637

19+38 So. Prop. Line 1st Ave S.W. 65.7

19+68 E 1st Ave S.W. 64.4

19+98 No. Prop. Line 63.2

21+00 59.4

21+61 E So. Line + Tracks 57.8

22 55.9

+64[±] So. line 54.2

+97[±] = E South Ave. (Old "B") 54.8
B.M. 10.97 256.45 256.41?

-L-

-R-

$$\frac{2.0}{33}$$

$$\frac{3.0}{15}$$

$$\frac{5.0}{9}$$

$$5.3$$

$$\frac{5.5}{74}$$

$$\frac{4.8}{15}$$

$$\frac{6.0}{18}$$

$$\frac{5.2}{21}$$

$$\frac{6.0}{33}$$

$$\frac{10.0}{33}$$

$$\frac{10.0}{20}$$

$$\frac{10.6}{13}$$

$$\frac{12.2}{11}$$

$$\frac{12.0}{10}$$

$$11.6$$

$$\frac{12.0}{14}$$

$$\frac{12.7}{26}$$

$$\frac{13.3}{33}$$

$$\frac{1.4}{33}$$

$$\frac{1.7}{12}$$

$$\frac{2.1}{11}$$

$$1.2$$

$$\frac{2.2}{14}$$

$$\frac{3.0}{33}$$

$$\frac{2.2}{33}$$

$$\frac{2.9}{11}$$

$$\frac{3.9}{10}$$

$$3.0$$

$$\frac{3.9}{13}$$

$$\frac{2.5}{14}$$

$$\frac{3.2}{33}$$

$$\frac{3.5}{33}$$

$$\frac{3.5}{21}$$

$$\frac{4.3}{19}$$

$$\frac{4.3}{17}$$

$$\frac{2.8}{11}$$

$$\frac{4.3}{10}$$

$$9.2$$

$$\frac{4.3}{12}$$

$$\frac{3.6}{14}$$

$$\frac{4.3}{17}$$

$$\frac{4.3}{19}$$

$$\frac{3.3}{21}$$

$$\frac{3.3}{33}$$

$$\frac{8.0}{33}$$

$$\frac{8.0}{21}$$

$$\frac{9.0}{19}$$

$$\frac{8.0}{10}$$

$$\frac{8.6}{9}$$

$$8.0$$

$$\frac{8.2}{13}$$

$$\frac{7.5}{15}$$

$$\frac{7.6}{19}$$

$$\frac{6.5}{23}$$

$$\frac{6.0}{33}$$

$$\frac{9.9}{33}$$

$$9.6$$

$$\frac{10.2}{33}$$

$$\frac{11.0}{33}$$

$$\frac{11.5}{9}$$

$$11.5$$

$$\frac{11.5}{7}$$

$$\frac{11.0}{10}$$

$$\frac{11.5}{33}$$

$$-$$

$$\frac{14.4}{33}$$

$$\frac{13.7}{12}$$

$$13.1$$

$$\frac{13.4}{12}$$

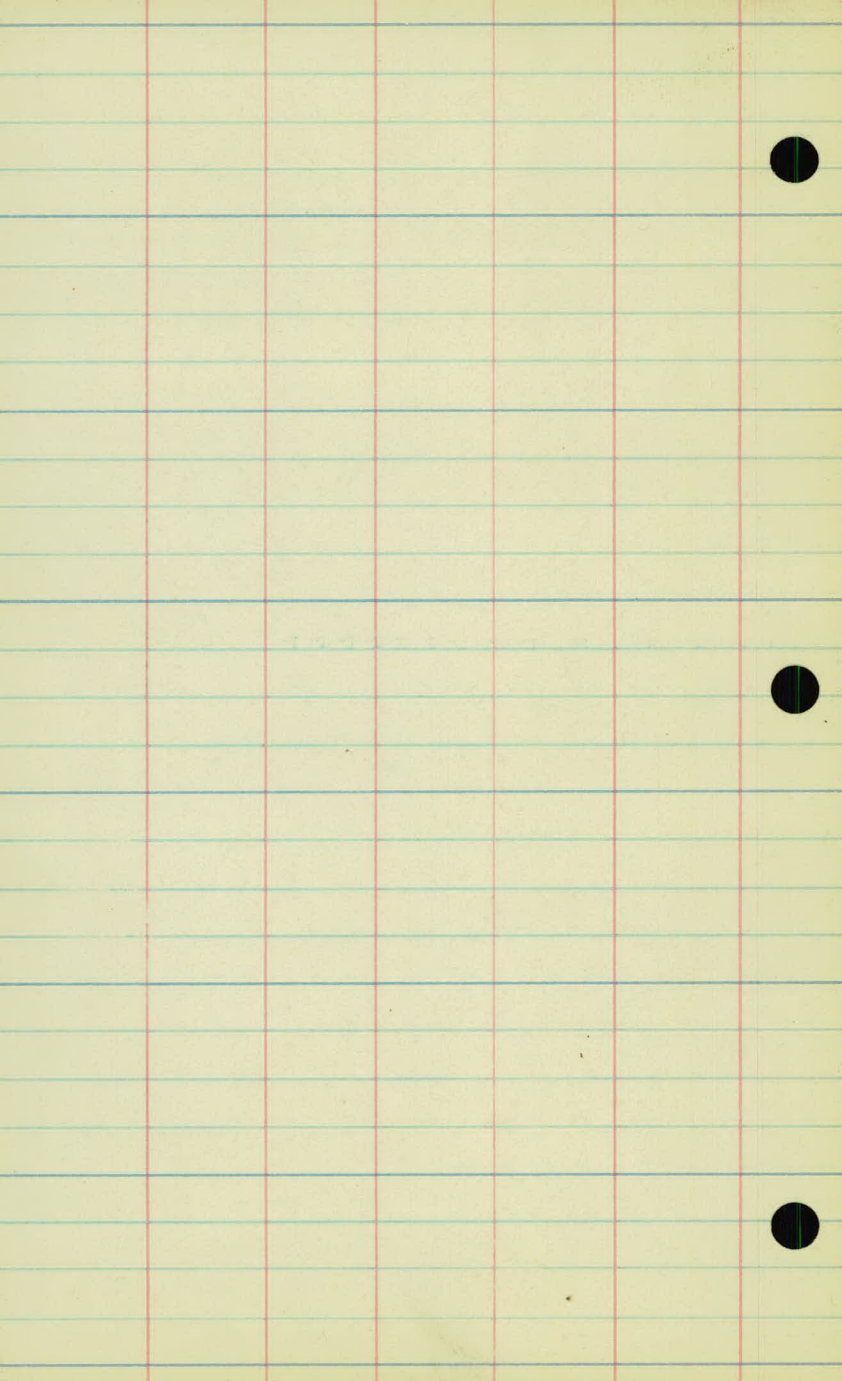
$$\frac{12.7}{33}$$

$$\frac{13.4}{33}$$

$$12.6$$

$$\frac{12.5}{33}$$

Spk in T.P. N. 1/4 cor. 7th St



X Sections
7th St. N.W.
From South Ave To 6th Ave. N.W.

161 258.02 256.41

0+00 ~~2~~ 50. 54.8

+33 54.6

1 52.0

+65 50.0

2 50.9

3 54.0

T.P. 11.84 268.82 104 256.98

4 59.1

5 60.7

6 62.7

+70 66.8

7 68.3

8 63.4

9 64.7

33 = N.Y. H £ R.

set in P.P. N.Y. cor. South Ave. ⁷/₁₀ 7th St. N.Y.

$\frac{4.0}{33}$ 3.2 $\frac{3.2}{33}$

$\frac{3.3}{33}$ $\frac{3.3}{15}$ $\frac{4.0}{11}$ 3.4 $\frac{4.0}{12}$ $\frac{1.6}{16}$ $\frac{1.5}{33}$

$\frac{5.0}{20}$ $\frac{5.2}{15}$ $\frac{6.5}{13}$ 6.0 $\frac{7.0}{11}$ $\frac{5.8}{12}$ $\frac{7.0}{20}$

$\frac{10.1}{20}$ $\frac{10.0}{14}$ $\frac{8.2}{12}$ 8.0 $\frac{8.2}{11}$ $\frac{10.8}{12}$ $\frac{11.2}{20}$

$\frac{8.2}{20}$ $\frac{8.4}{13}$ $\frac{7.4}{10}$ 7.1 $\frac{7.6}{10}$ $\frac{9.7}{16}$ $\frac{10.2}{20}$

$\frac{5.4}{20}$ $\frac{4.6}{12}$ $\frac{4.6}{11}$ 4.0 $\frac{4.4}{11}$ $\frac{4.0}{12}$ $\frac{4.5}{20}$

$\frac{5.2}{20}$ $\frac{5.5}{15}$ $\frac{10.3}{10}$ 9.7 $\frac{9.8}{12}$ $\frac{9.2}{20}$

$\frac{6.5}{20}$ $\frac{7.5}{12}$ $\frac{8.5}{11}$ 8.1 $\frac{8.8}{10}$ $\frac{10.1}{20}$

$\frac{2.6}{20}$ $\frac{3.0}{13}$ $\frac{5.2}{12}$ 5.1 $\frac{6.0}{11}$ $\frac{4.2}{14}$ $\frac{4.6}{20}$

$\frac{0.0}{20}$ $\frac{0.4}{12}$ $\frac{2.6}{11}$ 2.0 $\frac{3.0}{11}$ $\frac{0.0}{14}$ $\frac{0.2}{20}$

$\frac{2.8}{20}$ $\frac{2.8}{14}$ $\frac{4.0}{12}$ 3.5 $\frac{4.2}{11}$ $\frac{2.2}{13}$ $\frac{2.6}{20}$

$\frac{3.7}{20}$ $\frac{4.5}{15}$ $\frac{6.2}{13}$ 5.4 $\frac{6.4}{10}$ $\frac{8.5}{18}$ $\frac{8.6}{20}$

$\frac{2.7}{20}$ $\frac{2.7}{14}$ $\frac{4.8}{12}$ 4.1 $\frac{5.1}{11}$ $\frac{4.5}{14}$ $\frac{5.0}{20}$

+ H.I. - Elev.
268.82

10 66.8
T.P. 5.83 272.69 1.96 266.86
11 67.2

12 67.8

13 69.2

14 71.2

T.P. 13.73 285.84 0.58 272.11

15 78.06
77.1 71.4

16 80.7

17 81.8

18 80.8

19 78.2

+ 5' Prop line 78.0

£ 6 77.2

+ 84
BM 7.80 278.04 278.06

Left £ Right.

$$\frac{0.8}{20} \quad \frac{1.2}{14} \quad \frac{2.6}{12} \quad 20 \quad \frac{3.0}{11} \quad \frac{7.0}{76} \quad \frac{2.0}{20}$$

$$\frac{5.0}{20} \quad \frac{5.4}{14} \quad \frac{5.4}{9} \quad 5.5 \quad \frac{6.5}{11} \quad \frac{7.0}{13} \quad \frac{6.4}{14} \quad \frac{6.4}{30}$$

20

$$\frac{7.0}{20} \quad \frac{6.0}{14} \quad \frac{5.6}{8} \quad 4.9 \quad \frac{5.3}{9} \quad \frac{7.3}{17} \quad \frac{7.3}{20}$$

$$\frac{2.2}{20} \quad \frac{2.2}{16} \quad \frac{4.1}{12} \quad 3.5 \quad \frac{4.2}{12} \quad \frac{3.2}{17} \quad \frac{2.1}{20}$$

$$\frac{0.8}{20} \quad \frac{1.1}{14} \quad \frac{1.7}{13} \quad 1.5 \quad \frac{2.2}{10} \quad \frac{1.0}{20}$$

$$\frac{7.5}{20} \quad \frac{8.0}{14} \quad \frac{10.0}{11} \quad 9.4 \quad \frac{9.8}{11} \quad \frac{8.1}{14} \quad \frac{8.0}{20}$$

$$\frac{4.5}{20} \quad \frac{3.5}{13} \quad \frac{5.5}{11} \quad 5.1 \quad \frac{5.5}{11} \quad \frac{4.5}{12} \quad \frac{4.8}{20}$$

$$\frac{1.6}{20} \quad \frac{2.6}{12} \quad \frac{4.4}{11} \quad 4.0 \quad \frac{4.4}{10} \quad \frac{3.5}{11} \quad \frac{4.4}{20}$$

$$\frac{3.2}{20} \quad \frac{3.7}{12} \quad \frac{5.5}{11} \quad 5.0 \quad \frac{6.0}{9} \quad \frac{5.5}{10} \quad \frac{6.5}{15} \quad \frac{7.1}{20}$$

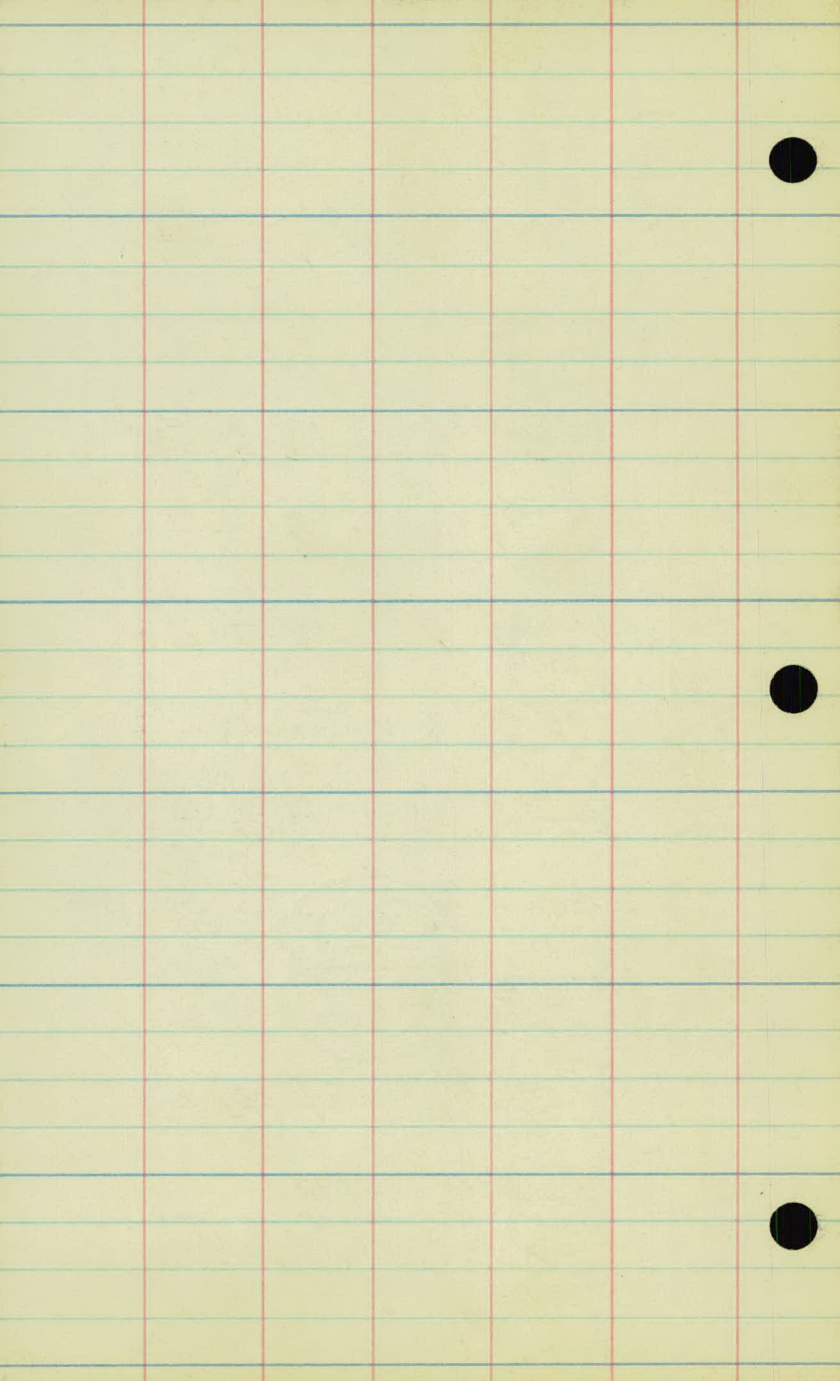
$$\frac{7.2}{20} \quad \frac{8.2}{13} \quad \frac{9.6}{10} \quad 7.6 \quad \frac{8.4}{10} \quad \frac{11.0}{16} \quad \frac{11.5}{20}$$

$$\frac{5.4}{20} \quad \frac{5.2}{15} \quad \frac{8.4}{11} \quad 7.8 \quad \frac{8.1}{13} \quad \frac{6.8}{15} \quad \frac{7.7}{20}$$

Spk in P.P. 11.17. Co.

$$\frac{7.8}{20} \quad \frac{9.7}{20}$$

Spk in P.P. 6th Aie 7th St N.W.



X Sections

2nd Ave S.W.

From 7th St S.W. To 7th Ave S.W.

B.M.	0.38	285.79		285.41	
0+00				82.3	
+30				81.1	
1				78.5	
2				76.3	
3				74.1	
T.P.	1.06	274.97	11.88	273.91	
4				72.3	
5				69.8	
6				68.5	
+36				68.8	
+66				68.8	(Rd on Lt. only.) 6th St. SW
+96				69.8	
7+14				70.1	Top of W. Rail. 270.07
8				63.3	

Lt. ♀ RT
 Top Hyd. S. Ecor 2nd Ave and 7th St. S.W.
 $\frac{5.5}{33}$ 3.5 $\frac{1.7}{33}$

$\frac{6.2}{33}$ $\frac{5.6}{19}$ 4.7 $\frac{5.2}{15}$ $\frac{4.5}{17}$ $\frac{3.5}{22}$ $\frac{3.0}{33}$

$\frac{8.2}{33}$ $\frac{8.2}{21}$ $\frac{9.0}{20}$ $\frac{9.0}{18}$ $\frac{8.0}{16}$ $\frac{8.5}{14}$ 7.3 $\frac{7.8}{14}$ $\frac{7.2}{15}$ $\frac{8.0}{20}$ $\frac{7.2}{21}$ $\frac{7.4}{33}$

$\frac{10.4}{33}$ $\frac{9.9}{14}$ $\frac{10.2}{13}$ 9.5 $\frac{10.0}{14}$ $\frac{9.5}{15}$ $\frac{10.5}{18}$ $\frac{10.2}{33}$

$\frac{11.2}{33}$ $\frac{11.0}{16}$ $\frac{12.3}{13}$ 11.7 $\frac{11.8}{12}$ $\frac{8.7}{23}$ $\frac{8.5}{33}$

$\frac{2.2}{33}$ $\frac{2.5}{16}$ $\frac{3.4}{14}$ 2.7 $\frac{3.3}{11}$ $\frac{1.8}{19}$ $\frac{0.5}{33}$

$\frac{5.6}{33}$ $\frac{5.5}{15}$ $\frac{6.0}{12}$ 5.2 $\frac{5.5}{8}$ $\frac{6.0}{10}$ $\frac{5.5}{11}$ $\frac{5.5}{18}$ $\frac{6.7}{33}$

$\frac{7.2}{33}$ $\frac{7.2}{22}$ $\frac{7.0}{17}$ $\frac{7.2}{14}$ 6.5 $\frac{6.6}{10}$ $\frac{6.2}{11}$ $\frac{7.0}{20}$ $\frac{6.7}{22}$ $\frac{6.2}{33}$

$\frac{8.8}{33}$ $\frac{7.2}{13}$ 6.2 $\frac{6.6}{10}$ $\frac{6.2}{11}$ $\frac{6.8}{16}$ $\frac{7.5}{18}$ $\frac{6.4}{24}$ $\frac{6.0}{33}$

$\frac{8.0}{33}$ 6.2 $\frac{6.4}{9}$ $\frac{6.0}{12}$ $\frac{7.5}{18}$ $\frac{6.7}{33}$

$\frac{10.2}{33}$ $\frac{8.8}{22}$ $\frac{5.8}{12}$ 5.2 $\frac{4.8}{18}$ $\frac{4.5}{30}$ $\frac{5.5}{33}$

$\frac{8.0}{33}$ $\frac{6.0}{19}$ 4.9 $\frac{5.5}{33}$

$\frac{13.7}{33}$ $\frac{11.8}{8}$ 11.7 $\frac{12.0}{8}$ $\frac{11.4}{9}$ $\frac{13.0}{16}$ $\frac{12.0}{22}$ $\frac{12.4}{33}$

274.97

9 62.8

10 62.6

T.P. 3.03 265.28 12.72 262.25

11 61.5

12 60.7

12+72⁸ Prop. line 60.2

13+03 $\angle$ 5th St SW. 60.2

+33 Prop 60.3

B.M. 1.20 264.01 247 262.81

14 59.9

15 58.5

16 56.6

17 56.7

17+54 $\angle$ Pave. 61.46

B.M. 4.08 259.93

Lt E Rt

$\frac{12.5}{33}$ $\frac{12.5}{23}$ $\frac{12.8}{15}$ 12.2 $\frac{12.0}{11}$ $\frac{12.0}{33}$

$\frac{13.1}{33}$ $\frac{12.8}{12}$ 12.4 $\frac{13.0}{8}$ $\frac{11.8}{10}$ $\frac{11.3}{33}$

$\frac{4.4}{33}$ $\frac{4.6}{24}$ $\frac{5.5}{20}$ $\frac{4.2}{13}$ 3.8 $\frac{4.5}{8}$ $\frac{3.8}{9}$ $\frac{3.6}{11}$ $\frac{5.1}{17}$ $\frac{3.7}{21}$ $\frac{3.4}{33}$

$\frac{6.1}{33}$ $\frac{6.4}{18}$ $\frac{5.2}{13}$ $\frac{5.5}{12}$ 4.6 $\frac{5.1}{9}$ $\frac{4.5}{10}$ $\frac{6.4}{17}$ $\frac{5.2}{22}$ $\frac{5.2}{33}$

$\frac{6.2}{33}$ $\frac{6.2}{21}$ $\frac{5.4}{13}$ 5.1 $\frac{5.8}{12}$ $\frac{6.1}{33}$

$\frac{5.2}{33}$ 5.1 $\frac{5.0}{33}$

$\frac{4.2}{33}$ $\frac{4.5}{23}$ $\frac{5.5}{21}$ $\frac{5.2}{13}$ 5.0 $\frac{5.3}{7}$ $\frac{5.0}{8}$ $\frac{6.3}{17}$ $\frac{3.3}{24}$ $\frac{4.0}{33}$

Top Hyd. N.W. cor. Second Ave^{2d}

$\frac{2.5}{33}$ $\frac{2.5}{25}$ $\frac{3.4}{23}$ $\frac{4.0}{13}$ 4.1 $\frac{4.4}{6}$ $\frac{4.1}{9}$ $\frac{5.3}{12}$ $\frac{5.3}{16}$ $\frac{1.8}{23}$ $\frac{2.5}{33}$

$\frac{4.5}{33}$ $\frac{5.7}{14}$ 5.5 $\frac{5.8}{7}$ $\frac{5.5}{9}$ $\frac{6.6}{13}$ $\frac{6.6}{16}$ $\frac{5.0}{21}$ $\frac{5.5}{33}$

$\frac{7.2}{33}$ $\frac{8.8}{17}$ $\frac{7.8}{15}$ 7.4 $\frac{7.6}{6}$ $\frac{10.7}{15}$ $\frac{9.7}{33}$

$\frac{7.2}{33}$ $\frac{7.0}{18}$ 7.3 $\frac{7.6}{13}$ $\frac{2.1}{27}$ $\frac{2.1}{33}$

← $\frac{5.6}{33}$ $\frac{5.6}{28}$ $\frac{3.2}{23}$ $\frac{2.6}{13}$ 2.55 $\frac{3.0}{33}$ →

Top Hyd. on 2nd Ave near 7th Ave. Pave.

5th St. SW. = 2nd Ave SW. To 3rd Ave SW.

3.68 266.49

262.81

0+00

60.3

+30

60.4

1

60.2

2

60.3

3

60.9

64.44

+73

± Fave. on 7th Ave

BM.

3.68 262.81

6th St. SW. 2nd Ave SW. To 1st Ave SW.

BM

1.93 271.98

270.05

0+00

68.7

+30

67.5

1

66.2

+64

Alley Lt. side 65.8

2

65.4

E 107

Top Hyd. N.W. cor. 2nd Ave. S.W. $\frac{2}{4}$

$$\frac{6.2}{33} \quad 62 \quad \frac{6.2}{33}$$

$$\frac{4.8}{33} \quad \frac{5.8}{10} \quad \frac{6.2}{5} \quad 61 \quad \frac{6.1}{8} \quad \frac{7.4}{17} \quad \frac{7.0}{22} \quad \frac{7.0}{33}$$

$$\frac{6.8}{33} \quad \frac{6.4}{4} \quad 63 \quad \frac{6.1}{9} \quad \frac{7.5}{17} \quad \frac{6.3}{22} \quad \frac{6.0}{33}$$

$$\frac{7.5}{33} \quad \frac{6.6}{22} \quad \frac{7.2}{18} \quad \frac{6.1}{3} \quad 62 \quad \frac{6.5}{9} \quad \frac{7.8}{18} \quad \frac{7.3}{26} \quad \frac{7.3}{33}$$

$$\frac{5.5}{33} \quad \frac{6.2}{26} \quad \frac{5.6}{20} \quad \frac{4.8}{4} \quad \frac{5.5}{3} \quad 56 \quad \frac{5.1}{7} \quad \frac{6.5}{14} \quad \frac{5.0}{22} \quad \frac{5.0}{33}$$

$$\frac{4.5}{33} \quad \frac{2.3}{15} \quad 205 \quad \frac{2.0}{17} \quad \frac{4.7}{30} \quad \frac{5.0}{33}$$

Edge P. Edge P.

Top M. Rail Int. 2nd Ave and St. car Tracks

$$\frac{3.4}{33} \quad 3.3 \quad \frac{2.5}{33}$$

$$\frac{4.7}{33} \quad \frac{4.4}{5} \quad 45 \quad \frac{4.7}{12} \quad \frac{5.6}{33}$$

$$\frac{5.6}{33} \quad \frac{5.6}{20} \quad \frac{6.2}{16} \quad \frac{5.7}{11} \quad 58 \quad \frac{5.7}{10} \quad \frac{6.8}{28} \quad \frac{7.8}{33}$$

$$\frac{6.1}{33} \quad \frac{6.5}{19} \quad 62 \quad \frac{6.2}{11} \quad \frac{8.8}{33}$$

$$\frac{5.8}{33} \quad \frac{6.0}{20} \quad \frac{6.8}{17} \quad \frac{6.1}{9} \quad 6.6 \quad \frac{6.6}{14} \quad \frac{9.6}{33}$$

271.98

3

Prop line S. side

60.7

+30

58.3
 E First Ave SW
 1.93 270.05

3rd Ave SW = 8th St. S.W. To 6th St. S.W.

B.M. 0.74 294.77 294.03

T.P. 0.86 283.34 12.29 282.48

0+00 66.5

1 74.5

2 81.3

T.P. 12.29 294.77 0.86 282.48

3 85.7

4 88.4

5 91.2

6 91.3

+21.86 Prop. line. 91.3

+57.86 E 7th St. S.W. 91.3

B.M. 0.90 294.93 0.74 294.03

11 4 17.

$\frac{10.0}{33}$ $\frac{10.2}{22}$ $\frac{11.8}{17}$ $\frac{11.4}{13}$ 11.3 $\frac{13.2}{15}$ $\frac{13.2}{33}$

$\frac{12.0}{33}$ $\frac{12.6}{17}$ $\frac{13.6}{12}$ 13.7 $\frac{17.0}{33}$

Top W. Rail Int. Cor. tracks & 2nd Ave.

Top Hyd S.E. cor of 3rd Ave SW. & 7th St SW.

$\frac{18.6}{33}$ $\frac{16.8}{8}$ 16.8 $\frac{17.2}{10}$ $\frac{16.8}{12}$ $\frac{16.8}{33}$

$\frac{10.0}{33}$ $\frac{10.0}{21}$ $\frac{10.7}{18}$ $\frac{9.0}{9}$ $\frac{9.7}{7}$ 8.8 $\frac{9.2}{9}$ $\frac{8.5}{16}$ $\frac{8.8}{16}$ $\frac{7.4}{33}$

$\frac{2.3}{33}$ $\frac{2.4}{22}$ $\frac{3.5}{18}$ $\frac{2.2}{14}$ $\frac{2.5}{8}$ 2.0 $\frac{2.0}{7}$ $\frac{1.8}{9}$ $\frac{1.8}{11}$ $\frac{3.0}{19}$ $\frac{1.7}{22}$ $\frac{1.7}{33}$

$\frac{9.2}{33}$ $\frac{9.2}{23}$ $\frac{10.5}{19}$ $\frac{9.2}{13}$ $\frac{9.0}{8}$ $\frac{9.6}{7}$ 9.1 $\frac{9.2}{10}$ $\frac{9.4}{20}$ $\frac{8.2}{33}$

$\frac{6.4}{33}$ $\frac{6.5}{20}$ $\frac{7.0}{17}$ $\frac{6.0}{9}$ $\frac{6.8}{8}$ 6.4 $\frac{7.0}{7}$ $\frac{6.0}{8}$ $\frac{7.5}{18}$ $\frac{6.7}{26}$ $\frac{7.2}{33}$

$\frac{4.2}{33}$ $\frac{5.0}{17}$ $\frac{3.7}{10}$ $\frac{4.0}{9}$ 3.6 $\frac{4.0}{6}$ $\frac{3.4}{7}$ $\frac{5.0}{20}$ $\frac{4.0}{33}$

$\frac{3.4}{33}$ $\frac{3.4}{18}$ $\frac{3.6}{10}$ $\frac{3.8}{9}$ 3.5 $\frac{3.8}{6}$ $\frac{3.5}{7}$ $\frac{4.0}{14}$ $\frac{5.0}{19}$ $\frac{4.2}{22}$ $\frac{4.0}{33}$

$\frac{3.5}{33}$ $\frac{3.6}{13}$ 3.5 $\frac{3.6}{6}$ $\frac{3.7}{15}$ $\frac{4.8}{21}$ $\frac{4.2}{22}$ $\frac{4.0}{33}$

$\frac{3.8}{33}$ $\frac{3.5}{33}$ $\frac{3.5}{33}$

Top Hyd.

29.493

+ 81.86

90.7

7

90.9

8

87.9

9

84.6

T.P.

0.31 283.60 11.64 283.29

10

81.6

11

12

Not Traveled 78.6 End of Proj.
9+00 To 76.9

+70

Prop line 76.5 appx.

13+08

2 Car Tracks 76.4

T.P.

11.64 294.93 0.31 283.29

B.M.

0.90 294.03

4.

2

17

$$\frac{4.0}{33} \quad \frac{4.0}{20} \quad \frac{4.7}{15} \quad \frac{4.0}{9} \quad 4.2 \quad \frac{4.0}{4} \quad \frac{4.5}{14} \quad \frac{5.7}{19} \quad \frac{4.5}{22} \quad \frac{5.0}{33}$$

$$\frac{3.9}{33} \quad \frac{3.9}{21} \quad \frac{4.9}{16} \quad \frac{4.0}{13} \quad \frac{3.8}{12} \quad \frac{4.0}{9} \quad 4.0 \quad \frac{4.6}{14} \quad \frac{5.5}{18} \quad \frac{4.6}{22} \quad \frac{4.8}{33}$$

$$\frac{8.0}{33} \quad \frac{8.0}{21} \quad \frac{9.2}{16} \quad \frac{7.0}{12} \quad 7.0 \quad \frac{6.0}{33}$$

$$\frac{12.0}{33} \quad \frac{12.2}{24} \quad \frac{10.7}{13} \quad 10.3 \quad \frac{10.0}{7} \quad \frac{9.7}{33}$$

$$\frac{2.7}{33} \quad \frac{2.5}{22} \quad \frac{3.1}{16} \quad \frac{2.3}{13} \quad 2.0 \quad \frac{2.2}{15} \quad \frac{2.5}{18} \quad \frac{1.5}{22} \quad \frac{1.5}{33}$$

$$\frac{6.7}{33} \quad \frac{6.2}{21} \quad \frac{6.8}{17} \quad \frac{5.8}{14} \quad 5.0 \quad \frac{4.2}{15} \quad \frac{4.8}{19} \quad \frac{3.5}{22} \quad \frac{3.0}{33}$$

$$\frac{9.5}{33} \quad \frac{8.2}{22} \quad \frac{9.1}{19} \quad \frac{7.7}{14} \quad 6.7 \quad \frac{6.7}{14} \quad \frac{7.5}{19} \quad \frac{6.3}{22} \quad \frac{6.0}{33}$$

$$\frac{10.7}{33} \quad \frac{9.4}{21} \quad \frac{10.0}{18} \quad \frac{8.3}{12} \quad 7.1 \quad \frac{6.8}{16} \quad \frac{7.3}{20} \quad \frac{5.8}{24} \quad \frac{5.4}{33}$$

$$\checkmark \quad \frac{7.9}{33} \quad 7.2 \quad \frac{6.4}{33} \quad \checkmark$$

Top Hyd.

(4th St. S.W. = 7th St To 6th St. S.W.)

B.M. 3.38 301.92 298.54

0+00 95.4

+30 96.1

1 97.3

2 97.7

+70 97.1

3 95.7

T.F. 0.63 292.77 9.78 292.14

4 92.1

5 88.8

6 84.6

+20 Prop line 84.1

+55 E Tracks. 83.4

B.M. 7.05 285.72

14 15 16

Top Hyd S.E. cor. 4th Ave. & 7th St. S.W.

$\frac{7.4}{33}$ 6.5 $\frac{5.5}{33}$

$\frac{6.4}{33}$ $\frac{6.2}{21}$ $\frac{6.6}{17}$ $\frac{6.0}{13}$ 5.8 $\frac{5.8}{11}$ $\frac{5.8}{16}$ $\frac{5.3}{25}$ $\frac{5.0}{33}$

$\frac{6.8}{33}$ $\frac{6.4}{18}$ $\frac{5.2}{9}$ 4.6 $\frac{4.5}{11}$ $\frac{5.5}{15}$ $\frac{4.3}{23}$ $\frac{4.7}{33}$

$\frac{8.5}{33}$ $\frac{7.5}{19}$ $\frac{4.9}{9}$ 4.2 $\frac{4.0}{7}$ $\frac{3.4}{8}$ $\frac{4.7}{14}$ $\frac{2.4}{33}$

$\frac{8.7}{33}$ $\frac{7.1}{24}$ $\frac{6.8}{18}$ $\frac{4.4}{10}$ $\frac{5.0}{8}$ 4.8 $\frac{4.8}{9}$ $\frac{3.6}{27}$ $\frac{3.2}{33}$

$\frac{9.0}{33}$ $\frac{8.1}{22}$ $\frac{5.6}{11}$ $\frac{6.9}{9}$ 6.2 $\frac{6.6}{9}$ $\frac{5.7}{10}$ $\frac{6.2}{12}$ $\frac{5.2}{18}$ $\frac{4.5}{33}$

$\frac{2.6}{33}$ $\frac{2.3}{21}$ $\frac{1.0}{16}$ 0.7 $\frac{1.2}{13}$ $\frac{2.0}{18}$ $\frac{1.3}{20}$ $\frac{1.0}{33}$

$\frac{4.9}{33}$ $\frac{4.6}{20}$ $\frac{5.0}{17}$ $\frac{4.5}{15}$ 4.0 $\frac{4.1}{14}$ $\frac{3.0}{26}$ $\frac{3.5}{33}$

$\frac{10.6}{33}$ $\frac{10.1}{21}$ $\frac{10.7}{17}$ $\frac{8.6}{13}$ 8.2 $\frac{8.6}{16}$ $\frac{8.4}{20}$ $\frac{7.4}{33}$

$\frac{11.2}{33}$ $\frac{10.5}{21}$ $\frac{9.5}{17}$ 8.7 $\frac{8.7}{14}$ $\frac{9.7}{16}$ $\frac{9.7}{18}$ $\frac{9.0}{20}$ $\frac{9.1}{33}$

$\frac{10.1}{33}$ $\frac{9.4}{33}$ $\frac{8.6}{33}$

Top Hyd 4 Ave. S.W. & 6th St. S.W.

5th ~~St~~ ~~SW~~ 7th St. To 7th Ave SW. Pave.

B.M. 4.50 303.04 298.54
0+00 96.0

+30 95.3

1 299.4

+70 302.5

T.P. 2.88 305.25 0.67 302.37
2 2.4

3 02.5

+50 02.2

4 300.3

T.P. 2.92 300.06 8.11 297.14
5 95.4

293.01

+56 ~~E~~ Pave 7th Ave SW.

T.P. 1.18 300.11 1.13 298.93
9.00 291.11 291.10

LT & RT.

Top Hyd 4th Ave^{SW} 7th St. S.W.

$\frac{68}{33}$ 7.0 $\frac{7.8}{33}$

$\frac{5.5}{33}$ $\frac{6.0}{22}$ $\frac{7.2}{16}$ 7.7 $\frac{7.6}{10}$ $\frac{8.6}{13}$ $\frac{8.6}{33}$

$\frac{3.8}{33}$ $\frac{4.2}{16}$ $\frac{3.2}{14}$ $\frac{3.1}{7}$ $\frac{3.7}{6}$ 3.6 $\frac{3.5}{4}$ $\frac{2.4}{7}$ $\frac{2.4}{15}$ $\frac{1.4}{19}$ $\frac{2.7}{33}$

$\frac{1.4}{33}$ $\frac{1.4}{17}$ $\frac{0.5}{11}$ 0.5 $\frac{0.8}{21}$ $\frac{0.5}{33}$

$\frac{3.6}{33}$ $\frac{3.5}{20}$ $\frac{3.1}{12}$ 2.9 $\frac{2.5}{10}$ $\frac{2.5}{33}$

$\frac{3.4}{33}$ $\frac{3.4}{16}$ $\frac{2.6}{11}$ 2.8 $\frac{3.0}{12}$ $\frac{2.8}{17}$ $\frac{2.8}{33}$

$\frac{6.2}{33}$ $\frac{5.4}{21}$ $\frac{3.4}{9}$ 3.1 $\frac{3.1}{10}$ $\frac{2.7}{11}$ $\frac{3.0}{16}$ $\frac{3.0}{33}$

$\frac{1.5}{33}$ $\frac{1.5}{16}$ $\frac{6.0}{19}$ $\frac{6.5}{15}$ $\frac{5.4}{10}$ 5.0 $\frac{5.0}{16}$ $\frac{4.2}{20}$ $\frac{4.1}{33}$

$\frac{6.0}{33}$ $\frac{5.1}{23}$ $\frac{4.6}{8}$ 4.7 $\frac{4.7}{14}$ $\frac{3.8}{15}$ $\frac{4.0}{9}$ $\frac{7.7}{14}$ $\frac{5.6}{28}$ $\frac{5.3}{33}$

$\frac{9.0}{33}$ $\frac{9.0}{19}$ $\frac{9.6}{25}$ $\frac{7.4}{17}$ $\frac{7.4}{13}$ 7.05 $\frac{6.85}{14}$ $\frac{7.1}{20}$ $\frac{9.1}{29}$ $\frac{8.1}{33}$

Top Hyd. 7th St^{SW} 7th Ave. S.W.

8th Ave SW = 7th St To 6th St. S.W.

3.01 294.11

291.10

0+00

83.3

+30

85.9

1

88.8

T.P.

13.55 305.64 2.02 292.09

2

93.9

3

~99.7

4

300.5

+50

~99.6

5

301.6

6

03.9

+22

Prop line 03.1

+54

± Track 04.4

13.M.

1.05 304.59

Lt. £ RT.
 Top Hyd 7th St. 3rd 7th Ave

$$\frac{9.1}{33} \quad \frac{11.0}{21} \quad \frac{9.7}{17} \quad 10.8 \quad \frac{12.2}{33}$$

$$\frac{9.0}{33} \quad \frac{9.2}{22} \quad \frac{8.0}{20} \quad \frac{7.5}{4} \quad 8.2 \quad \frac{9.5}{4} \quad \frac{10.8}{33}$$

$$\frac{4.2}{33} \quad \frac{4.7}{16} \quad \frac{5.5}{15} \quad \frac{5.1}{10} \quad 5.3 \quad \frac{5.6}{5} \quad \frac{4.6}{6} \quad \frac{6.6}{33}$$

$$\frac{9.6}{33} \quad \frac{11.2}{17} \quad \frac{11.6}{16} \quad 11.7 \quad \frac{11.4}{2} \quad \frac{11.0}{3} \quad \frac{12.2}{33}$$

$$\frac{3.8}{33} \quad \frac{4.8}{17} \quad \frac{5.9}{16} \quad 5.9 \quad \frac{5.8}{3} \quad \frac{11.0}{33}$$

$$\frac{4.2}{33} \quad \frac{4.5}{17} \quad \frac{5.0}{16} \quad 5.1 \quad \frac{4.9}{2} \quad \frac{10.5}{33}$$

$$\frac{3.2}{33} \quad \frac{3.7}{24} \quad \frac{5.0}{17} \quad \frac{5.4}{16} \quad 6.0 \quad \frac{12.0}{33}$$

$$\frac{3.0}{33} \quad \frac{3.4}{20} \quad \frac{4.4}{18} \quad 4.0 \quad \frac{4.1}{8} \quad \frac{8.0}{33}$$

$$\frac{2.4}{33} \quad \frac{2.0}{19} \quad \frac{2.3}{18} \quad 1.7 \quad \frac{1.2}{3} \quad \frac{2.7}{17} \quad \frac{1.6}{33}$$

$$\frac{2.5}{33} \quad \frac{2.2}{10} \quad 2.5 \quad \frac{3.0}{16} \quad \frac{2.8}{33}$$

$$\frac{2.1}{33} \quad 1.2 \quad \frac{1.1}{33}$$

Spk in T.P. Lt 6+00

655x

X Sections.

4th St. - 15 Ave To 17th Ave.

Sta. + H.I. - Elev

B.P. 0.0 279.91 279.91

T.P. 4.77 274.85 9.83 270.08

0+00 $\pm$ 15th Ave N.W. 66.8

+30 69.6

1 71.3

2 69.6

3 67.9

4 68.2

5 71.3

T.P. 4.29 275.68 3.66 271.19

6 70.0

+22nd P 70.2

+55th = $\pm$ 17th Ave N.W. 70.0 = 0+00

4th St. - 17th Ave N.W. To City Dump

0+00 70.0

+33 70.7

T.P. 6.14 278.32 3.50 272.18

Left & Right
Top Hyd. 15th Ave. 2nd 3rd St. N.W.

$$\frac{8.7}{33} \quad 8.1 \quad \frac{7.4}{33}$$

$$\frac{7.2}{33} \quad \frac{5.5}{14} \quad 5.3 \quad \frac{5.0}{22} \quad \frac{5.5}{23} \quad \frac{5.5}{26} \quad \frac{5.0}{29} \quad \frac{5.0}{33}$$

$$\frac{2.6}{33} \quad \frac{2.6}{16} \quad \frac{4.0}{13} \quad 3.6 \quad \frac{4.2}{13} \quad \frac{3.2}{16} \quad \frac{3.1}{33}$$

$$\frac{4.5}{33} \quad \frac{4.8}{16} \quad \frac{5.1}{14} \quad 5.3 \quad \frac{5.7}{12} \quad \frac{5.0}{14} \quad \frac{4.5}{33}$$

$$\frac{6.7}{33} \quad \frac{7.0}{12} \quad 7.0 \quad \frac{7.2}{9} \quad \frac{7.6}{15} \quad \frac{7.3}{26} \quad \frac{7.0}{33}$$

$$\frac{8.8}{33} \quad \frac{8.6}{20} \quad \frac{7.2}{14} \quad 6.7 \quad \frac{6.7}{11} \quad \frac{7.1}{12} \quad \frac{6.4}{13} \quad \frac{6.0}{33}$$

$$\frac{4.0}{33} \quad \frac{4.0}{27} \quad \frac{4.6}{26} \quad \frac{4.3}{14} \quad 3.6 \quad \frac{4.0}{13} \quad \frac{3.0}{25} \quad \frac{0.8}{33}$$

$$\frac{7.0}{33} \quad \frac{6.2}{16} \quad 5.7 \quad \frac{6.1}{9} \quad \frac{5.5}{33}$$

$$\frac{6.2}{33} \quad \frac{6.3}{18} \quad 5.5 \quad \frac{6.1}{16} \quad \frac{5.1}{21} \quad \frac{4.8}{33}$$

$$\frac{6.0}{33} \quad 5.7 \quad \frac{5.7}{33}$$

$$\frac{6.0}{33} \quad 5.7 - \frac{5.7}{33}$$

$$\frac{3.7}{33} \quad \frac{2.6}{8} \quad \frac{5.0}{5} \quad 5.0 \quad \frac{5.0}{13} \quad \frac{0.6}{24} \quad \frac{0.6}{33}$$

278.32

1 72.5

2 71.8

3 74.7

4 T.P. 10.19 286.24 2.27 276.05
79.1

5 82.4

6 76.8

T.P. 2.46 276.63 12.07 274.17

7 73.9

8 71.5

9 71.0

+85 74.2

T.P. 2.91 277.34 2.20 274.43

10 73.1

11 67.8

12 End Proj. 65.1
B.M. $\Delta 90^\circ$ Lt To Dump
7.53 269.81

4 2 17

$$\frac{5.6}{33} \frac{44}{13} \frac{5.3}{9} \frac{6.6}{7} \frac{6.6}{5} \frac{5.6}{4} 5.8 \frac{5.2}{14} \frac{2.0}{23} \frac{2.0}{33}$$

$$\frac{8.1}{33} \frac{8.1}{11} \frac{7.1}{7} 6.5 \frac{7.1}{8} \frac{7.3}{11} \frac{7.3}{33}$$

$$\frac{3.1}{33} \frac{2.1}{20} \frac{2.3}{10} \frac{4.0}{7} 3.6 \frac{3.0}{20} \frac{3.1}{33}$$

$$\frac{7.1}{33} \frac{7.5}{8} 7.1 \frac{7.0}{33}$$

$$\frac{3.8}{33} \frac{3.6}{6} 3.8 \frac{3.7}{33}$$

$$\frac{9.5}{33} \frac{9.5}{22} \frac{8.5}{19} \frac{9.2}{5} \frac{9.6}{4} 9.4 \frac{10.4}{33}$$

$$\frac{0.3}{33} \frac{2.0}{5} \frac{2.8}{4} 2.7 \frac{3.5}{33}$$

$$\frac{3.2}{33} \frac{5.0}{21} 5.1 \frac{5.0}{33}$$

$$\frac{2.5}{33} \frac{3.7}{20} \frac{5.0}{4} \frac{6.2}{3} 5.6 \frac{5.8}{13} \frac{4.5}{33}$$

$$\frac{2.4}{33} \frac{2.4}{18} \frac{2.8}{5} 2.4 \frac{4.5}{33} \leftarrow \text{over all.}$$

$$\frac{4.2}{33} \frac{4.2}{19} 3.5 \frac{0.0}{33}$$

$$\frac{9.0}{33} \frac{9.5}{21} 8.8 \frac{7.0}{33}$$

$$\frac{12.0}{33} 11.5 \frac{12.5}{33}$$

100'

Nail in F.P 3' Lt 10 + 95

+ H.I.

277.34

T.P. 7.70 283.60 1.44 275.90

F.P. 11.53 272.07

MAY-20-32

Staggles

Mesembory

McLaren

HELEN ST.

From " "

Co. Road C.

TO

No. City Limits

STA. + H.I. - Elev.

B.M. 5.01 314.78 309.77

0+00 ± 17th Ave. 05.7

+33 06.5

1 09.1

+83 ± Alley Rt. 10.1

2 09.6

3 09.3

+33 Prop. line 08.8

+63 ± 18th Ave. (Pt. only) 07.8

+93 Prop line 07.3

B.M. 2.39 312.40 312.45

T.P. 2.64 308.49 8.93 305.85

4 07.1

5 05.7

+43 ± Alley (Pt) 04.8

- L -

- R -

Low nut Top Hyd. N.E. cor. Helen St. ³/₄ 17th Ave N.W.

← $\frac{10.2}{33}$ 9.1 $\frac{8.7}{33}$ →

$\frac{7.6}{33}$ $\frac{7.8}{15}$ $\frac{8.7}{13}$ 8.8 $\frac{8.4}{16}$ $\frac{5.0}{27}$ $\frac{4.5}{33}$

$\frac{7.1}{33}$ $\frac{6.1}{19}$ 5.7 $\frac{5.5}{18}$ $\frac{2.8}{27}$ $\frac{2.5}{33}$

$\frac{5.8}{33}$ $\frac{6.0}{19}$ 4.7 $\frac{4.4}{17}$ $\frac{3.5}{33}$

$\frac{6.0}{33}$ $\frac{6.0}{17}$ 5.2 $\frac{5.0}{15}$ $\frac{3.5}{33}$

$\frac{8.3}{33}$ $\frac{7.3}{18}$ 5.5 $\frac{5.5}{20}$ $\frac{4.5}{23}$ $\frac{3.8}{33}$

$\frac{8.5}{33}$ $\frac{7.5}{19}$ 6.0 $\frac{5.6}{20}$ $\frac{4.5}{33}$

$\frac{10.6}{33}$ $\frac{10.3}{29}$ $\frac{8.2}{17}$ 7.0 $\frac{5.7}{33}$

$\frac{10.8}{33}$ $\frac{10.1}{21}$ 7.5 $\frac{7.5}{13}$ $\frac{6.0}{33}$

Top Hyd. N.E. cor. 18th Ave ³/₄ Helen St.

Nail in Tree.

$\frac{4.7}{33}$ $\frac{2.3}{15}$ 14 $\frac{1.5}{12}$ $\frac{1.4}{15}$ $\frac{0.7}{21}$ $\frac{4.10}{33}$

$\frac{4.0}{33}$ $\frac{3.7}{23}$ $\frac{4.1}{18}$ $\frac{3.4}{12}$ 2.8 $\frac{3.2}{13}$ $\frac{2.5}{15}$ $\frac{3.2}{18}$ $\frac{2.0}{33}$

$\frac{4.0}{33}$ $\frac{4.2}{21}$ $\frac{5.0}{17}$ $\frac{4.2}{12}$ 3.7 $\frac{3.8}{14}$ $\frac{3.6}{33}$

✓
308.49

6

03.8

+90

03.4

7+32

± 1971

03.3

+65

03.0

8

03.0

9

03.3

10

T.P.

1.05

✓
299.63

9.91

✓
298.58

99.5

11

95.5

12

94.4

13

95.4

14

94.1

15

92.1

16

91.4

T.P.

LEFT

L

RIGHT

$$\frac{4.4}{33} \quad \frac{4.4}{10} \quad \frac{5.0}{7} \quad 4.7 \quad \frac{5.0}{19} \quad \frac{6.0}{24} \quad \frac{5.7}{33}$$

$$\frac{7.0}{33} \quad \frac{6.5}{15} \quad \frac{5.5}{10} \quad 5.1 \quad \frac{5.5}{17} \quad \frac{6.0}{33}$$

$$\frac{7.0}{33} \quad \frac{6.6}{15} \quad \frac{5.6}{8} \quad 5.2 \quad \frac{5.4}{3}$$

$$\frac{6.8}{33} \quad \frac{6.5}{17} \quad 5.5 \quad \frac{6.5}{14} \quad \frac{6.2}{33}$$

$$\frac{5.8}{33} \quad \frac{5.8}{21} \quad \frac{7.0}{14} \quad \frac{6.0}{10} \quad 5.5 \quad \frac{6.0}{16} \quad \frac{6.5}{33}$$

$$\frac{1.0}{33} \quad \frac{1.0}{23} \quad \frac{3.0}{17} \quad \frac{3.4}{13} \quad \frac{5.3}{9} \quad 5.2 \quad \frac{5.5}{10} \quad \frac{4.7}{12} \quad \frac{6.8}{33}$$

$$\frac{5.5}{33} \quad \frac{5.5}{25} \quad \frac{7.4}{19} \quad \frac{7.4}{14} \quad \frac{9.1}{10} \quad 9.0 \quad \frac{9.0}{12} \quad \frac{11.1}{33}$$

$$\frac{8.5}{33} \quad \frac{8.5}{20} \quad \frac{4.4}{10} \quad 4.1 \quad \frac{4.8}{12} \quad \frac{6.8}{18} \quad \frac{7.0}{33}$$

$$\frac{8.0}{33} \quad \frac{7.4}{14} \quad \frac{5.7}{10} \quad 5.2 \quad \frac{5.7}{10} \quad \frac{7.1}{17} \quad \frac{7.5}{29} \quad \frac{6.5}{33}$$

$$\frac{4.2}{33} \quad \frac{4.0}{16} \quad \frac{4.7}{9} \quad 4.2 \quad \frac{4.8}{10} \quad \frac{4.0}{11} \quad \frac{3.8}{25} \quad \frac{3.0}{29} \quad \frac{2.4}{33}$$

$$\frac{6.7}{33} \quad \frac{5.7}{10} \quad \frac{6.3}{9} \quad 5.5 \quad \frac{5.3}{12} \quad \frac{4.7}{22} \quad \frac{2.7}{28} \quad \frac{2.7}{33}$$

$$\frac{7.0}{33} \quad \frac{7.5}{9} \quad \frac{8.2}{8} \quad 7.5 \quad \frac{7.5}{12} \quad \frac{9.2}{17} \quad \frac{9.2}{23} \quad \frac{8.2}{26} \quad \frac{8.2}{33}$$

$$\frac{14.7}{33} \quad \frac{13.4}{17} \quad \frac{8.6}{10} \quad 8.2 \quad \frac{8.7}{12} \quad \frac{11.1}{17} \quad \frac{11.4}{24} \quad \frac{10.4}{46} \quad \frac{10.4}{33}$$

✓
299.63

17
T.P. 13.53 311.85 131 298.32 ✓ 94.4
18 01.9

19
T.P. 5.68 317.44 0.09 311.76 ✓ 07.9
20 11.6

21 12.4

+45 Appr. Prop line 11.9

+75 L on Rt only 11.3

22+05 Prop line 11.1

23 12.0

24
T.P. 9.24 325.82 0.86 316.58 ✓ 14.9
25 18.3
5.6'

26 21.4

+26 End Prof. ✓ 22.4
B.P. 5.57 320.25

Left. L Right

$$\frac{6.3}{33} \quad \frac{6.3}{21} \quad \frac{7.8}{17} \quad \frac{7.8}{14} \quad \frac{5.4}{7} \quad 5.2 \quad \frac{5.6}{12} \quad \frac{10.0}{18} \quad \frac{10.2}{28} \quad \frac{9.8}{33}$$

$$\frac{12.5}{33} \quad \frac{10.8}{16} \quad \frac{10.2}{7} \quad 10.0 \quad \frac{9.7}{17} \quad \frac{8.2}{20} \quad \frac{7.2}{33}$$

$$\frac{2.2}{33} \quad \frac{2.7}{18} \quad \frac{3.7}{15} \quad \frac{3.7}{8} \quad \frac{4.2}{6} \quad 4.0 \quad \frac{4.0}{17} \quad \frac{5.8}{21} \quad \frac{6.3}{28} \quad \frac{4.5}{33}$$

$$\frac{5.5}{33} \quad \frac{5.5}{15} \quad \frac{5.3}{8} \quad \frac{6.2}{5} \quad 5.8 \quad \frac{5.8}{15} \quad \frac{3.7}{20} \quad \frac{3.7}{26} \quad \frac{2.7}{29} \quad \frac{2.7}{33}$$

$$\frac{3.8}{33} \quad \frac{3.8}{22} \quad \frac{4.3}{9} \quad \frac{5.3}{5} \quad 5.0 \quad \frac{5.3}{16} \quad \frac{4.7}{19} \quad \frac{5.3}{26} \quad \frac{3.3}{33}$$

$$\frac{6.6}{33} \quad \frac{6.3}{22} \quad \frac{6.3}{15} \quad \frac{5.0}{9} \quad \frac{6.0}{5} \quad 5.5 \quad \frac{6.0}{15} \quad \frac{5.5}{18} \quad \frac{6.0}{22} \quad \frac{4.0}{28} \quad \frac{4.0}{33}$$

$$\frac{8.0}{33} \quad \frac{7.4}{13} \quad \frac{6.4}{7} \quad 6.1 \quad \frac{6.0}{23} \quad \frac{6.3}{33} \quad \rightarrow$$

$$\frac{9.2}{33} \quad \frac{8.8}{13} \quad \frac{6.8}{7} \quad 6.3 \quad \frac{7.3}{27} \quad \frac{5.8}{29} \quad \frac{5.3}{33}$$

$$\frac{6.7}{33} \quad \frac{7.7}{26} \quad \frac{6.6}{12} \quad \frac{5.6}{8} \quad 5.4 \quad \frac{5.8}{18} \quad \frac{6.8}{22} \quad \frac{6.8}{26} \quad \frac{5.1}{30} \quad \frac{4.1}{33}$$

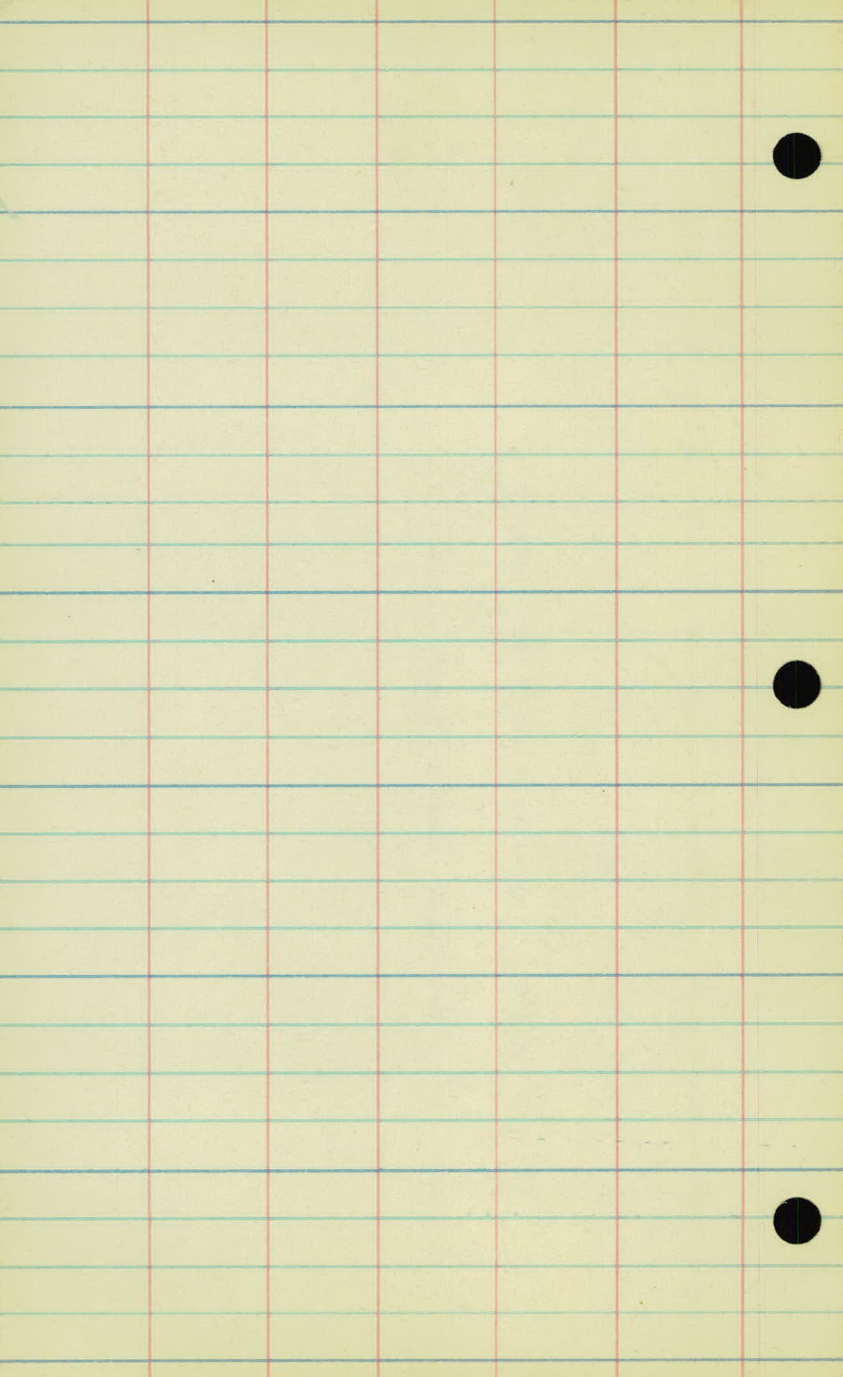
$$\frac{1.2}{33} \quad \frac{2.5}{11} \quad 2.5 \quad \frac{2.6}{21} \quad \frac{2.2}{33}$$

$$\frac{6.2}{33} \quad \frac{7.4}{12} \quad \frac{8.2}{10} \quad \frac{7.7}{8} \quad 7.5 \quad \frac{7.6}{15} \quad \frac{8.2}{25} \quad \frac{7.0}{33}$$

$$\frac{4.1}{22} \quad \frac{5.4}{19} \quad \frac{5.4}{15} \quad \frac{4.6}{13} \quad 4.4 \quad \frac{4.4}{14} \quad \frac{5.3}{16} \quad \frac{5.3}{18} \quad \frac{4.4}{22} \quad \frac{4.0}{33}$$

$$\frac{2.8}{33} \quad \frac{3.1}{17} \quad 3.1 \quad \frac{3.5}{14} \quad \frac{4.7}{17} \quad \frac{4.7}{19} \quad \frac{3.2}{22} \quad \frac{3.0}{33}$$

Pr. Pr.



19th Ave

From

HELEN ST

to

Charles ST.

STA. + H.I. / - EIV.
 B.M. 559 31177 30618

0+00 E HELEN ST. 03.6

+33 04.0

1 05.2

2 07.5

23 06.8

3+60 06.6

4
 T.P. 527 30722 982 30195 03.7

4+51 01.3

4+84 E Lake St. 00.1

5+17 99.5

B.M. 515 302.07

6 00.8

+34 Prop line 02.3

-L-

-R-

Top Hyd N.E. Cor. HELEN ST. + 19th Ave

$$\frac{8.5}{33}$$

$$8.2$$

$$\frac{8.2}{33}$$

$$\frac{9.2}{33}$$

$$8.3$$

$$\frac{9.1}{33}$$

$$\frac{7.5}{33}$$

$$\frac{7.0}{11}$$

$$6.6$$

$$\frac{7.2}{18}$$

$$\frac{6.5}{23}$$

$$\frac{7.1}{27}$$

$$\frac{7.1}{33}$$

$$\frac{4.0}{33}$$

$$\frac{4.1}{15}$$

$$\frac{5.0}{13}$$

$$4.3$$

$$\frac{4.3}{23}$$

$$\frac{5.3}{28}$$

$$\frac{5.3}{33}$$

$$\frac{1.0}{33}$$

$$\frac{3.5}{17}$$

$$\frac{5.0}{13}$$

$$5.0$$

$$\frac{4.5}{17}$$

$$\frac{4.1}{18}$$

$$\frac{3.7}{24}$$

$$\frac{5.3}{30}$$

$$\frac{5.3}{33}$$

$$\frac{5.6}{33}$$

$$\frac{6.6}{13}$$

$$5.2$$

$$\frac{8.1}{17}$$

$$\frac{4.8}{22}$$

$$\frac{4.8}{33}$$

$$\frac{6.7}{33}$$

$$\frac{7.9}{16}$$

$$\frac{8.1}{13}$$

$$8.1$$

$$\frac{8.4}{17}$$

$$\frac{7.0}{23}$$

$$\frac{6.3}{33}$$

$$\frac{6.7}{33}$$

$$\frac{8.7}{16}$$

$$\frac{6.5}{16}$$

$$5.9$$

$$\frac{6.2}{11}$$

$$\frac{5.8}{12}$$

$$\frac{6.6}{25}$$

$$\frac{7.2}{33}$$

$$\frac{8.5}{33}$$

$$7.1$$

$$\frac{7.5}{16}$$

$$\frac{9.0}{23}$$

$$\frac{9.0}{33}$$

$$\frac{9.1}{33}$$

$$\frac{8.0}{10}$$

$$7.7$$

$$\frac{8.0}{13}$$

$$\frac{9.5}{23}$$

$$\frac{9.5}{33}$$

Hyd N.E. cor Lake St. + 19th Ave

$$\frac{7.0}{33}$$

$$\frac{6.7}{16}$$

$$6.4$$

$$\frac{7.2}{11}$$

$$\frac{6.6}{12}$$

$$\frac{6.8}{19}$$

$$\frac{6.0}{21}$$

$$\frac{7.0}{33}$$

$$\frac{6.2}{33}$$

$$\frac{5.6}{20}$$

$$4.9$$

$$\frac{5.2}{21}$$

$$\frac{4.2}{22}$$

$$\frac{3.5}{33}$$

307.22 ✓

+67

£ Marg. St N.E 03.0

7

Appr. Prop line.

02.9

8

03.4

9

T.P. 3.10 307.90 2.42 304.80 ✓

03.6

+50

Beg. Horse shoe Rad. 03.6

10

03.9

+50

03.2

11

02.1

12

99.7

13

T.P. 5.00 305.00 7.90 300.00 ✓

99.5

14

99.9

15+00

£ 19th Ave + Charles St 00.4

Bal

3.33 301.67 ✓

24.

2

27.

$$\frac{5.3}{33} \quad 4.2 \quad \frac{2.8}{33}$$

$$\frac{5.5}{33} \quad \frac{5.2}{18} \quad 4.3 \quad \frac{3.5}{33}$$

$$\frac{5.3}{33} \quad \frac{4.8}{17} \quad 3.8 \quad \frac{4.5}{20} \quad \frac{0.7}{31} \quad \frac{0.6}{33}$$

$$\frac{4.8}{33} \quad \frac{4.5}{23} \quad 3.6 \quad \frac{3.0}{21} \quad \frac{+1.0}{31} \quad \frac{+1.0}{33}$$

$$\frac{5.5}{33} \quad 4.3 \quad \frac{2.6}{33}$$

$$\frac{5.0}{33} \quad 4.0 \quad \frac{2.2}{33}$$

$$\frac{4.7}{33} \quad 4.7 \quad \frac{3.7}{33}$$

$$\frac{6.2}{33} \quad 5.8 \quad \frac{6.5}{33}$$

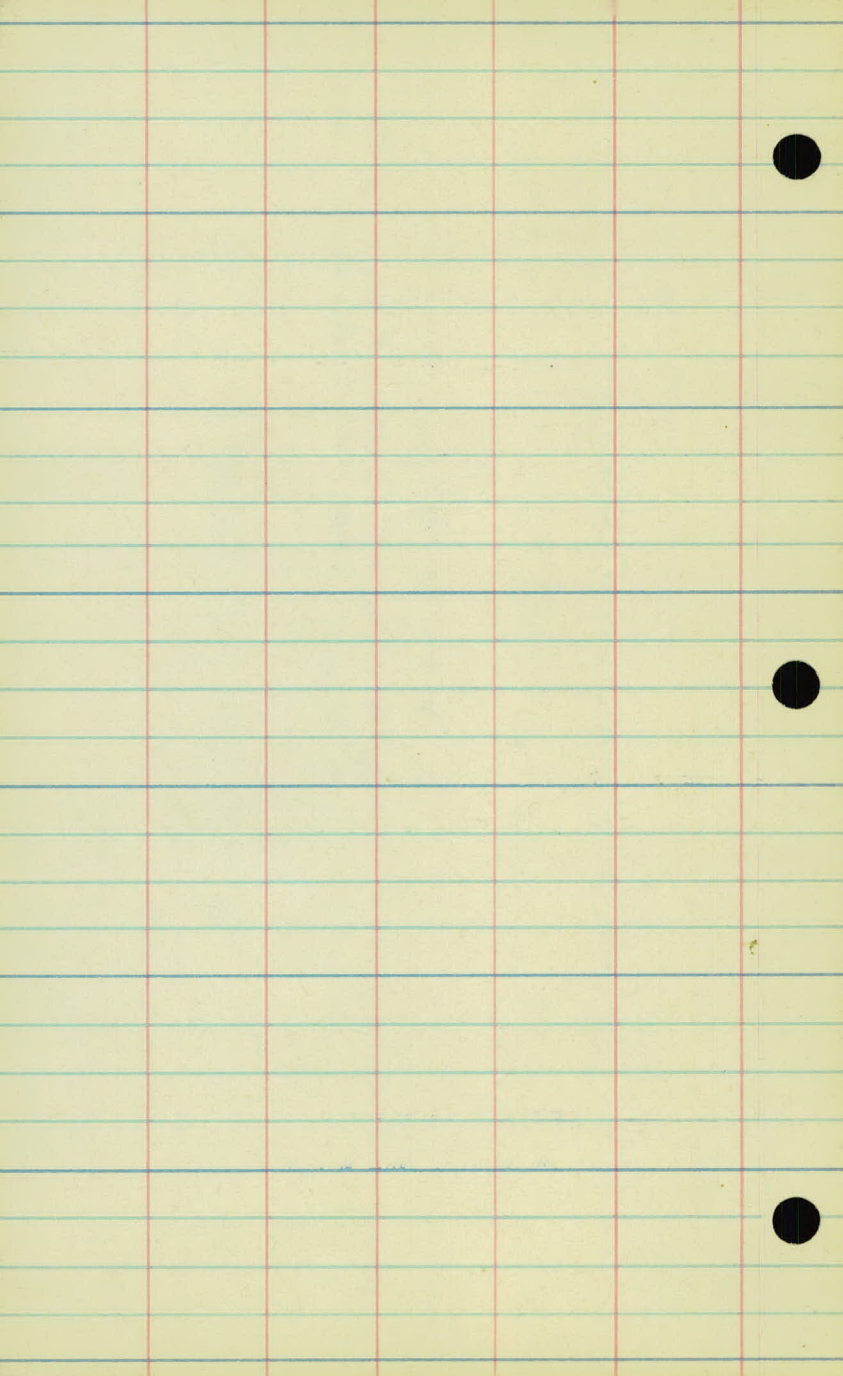
$$\frac{9.2}{33} \quad 8.2 \quad \frac{8.2}{33}$$

$$\frac{8.6}{33} \quad 8.4 \quad \frac{7.8}{20} \quad \frac{7.8}{33}$$

$$\frac{5.6}{33} \quad 5.1 \quad \frac{0.0}{29} \quad \frac{+0.2}{33}$$

$$\frac{5.6}{33} \quad 4.6 \quad \frac{4.8}{33}$$

Top Hyd S.F. Car 19th + Charles St
NE



MAY 20-32

X Sections
Lake St From 19th Ave
To No. City Limits.

+ H.I. ✓
 B.M. 0.77 302.84 302.07
 0+00 ~~4~~ 19th St 00.0

+33 98.8

1 97.4

2 97.3

3 98.6

4 01.4

T.P. 8.72 310.38 1.18 301.66

5 05.2

6 05.7

7 06.4

8 07.5

T.P. 2.67 309.89 3.18 307.20

9 07.4

10 06.9

11 04.2

Lt. E Pt

Top Hyd. N.E. Cor. 1924

$$\begin{array}{r} 1.3 \\ 33 \end{array} \quad 28 \quad \begin{array}{r} 3.3 \\ 33 \end{array}$$

$$\begin{array}{r} 2.5 \\ 33 \end{array} \quad \begin{array}{r} 3.5 \\ 10 \end{array} \quad \begin{array}{r} 4.2 \\ 9 \end{array} \quad 4.0 \quad \begin{array}{r} 4.2 \\ 13 \end{array} \quad \begin{array}{r} 6.2 \\ 19 \end{array} \quad \begin{array}{r} 6.3 \\ 23 \end{array} \quad \begin{array}{r} 5.3 \\ 26 \end{array} \quad \begin{array}{r} 4.5 \\ 33 \end{array}$$

$$\begin{array}{r} 5.0 \\ 33 \end{array} \quad \begin{array}{r} 5.5 \\ 13 \end{array} \quad \begin{array}{r} 6.0 \\ 12 \end{array} \quad 5.4 \quad \begin{array}{r} 6.0 \\ 9 \end{array} \quad \begin{array}{r} 7.4 \\ 15 \end{array} \quad \begin{array}{r} 6.2 \\ 26 \end{array} \quad \begin{array}{r} 6.0 \\ 33 \end{array}$$

$$\begin{array}{r} 5.5 \\ 33 \end{array} \quad \begin{array}{r} 5.4 \\ 13 \end{array} \quad \begin{array}{r} 5.1 \\ 11 \end{array} \quad 5.5 \quad \begin{array}{r} 6.0 \\ 9 \end{array} \quad \begin{array}{r} 7.5 \\ 12 \end{array} \quad \begin{array}{r} 7.0 \\ 19 \end{array} \quad \begin{array}{r} 6.4 \\ 33 \end{array}$$

$$\begin{array}{r} 3.7 \\ 33 \end{array} \quad \begin{array}{r} 3.8 \\ 12 \end{array} \quad \begin{array}{r} 4.3 \\ 10 \end{array} \quad 4.2 \quad \begin{array}{r} 4.5 \\ 8 \end{array} \quad \begin{array}{r} 7.2 \\ 16 \end{array} \quad \begin{array}{r} 8.0 \\ 33 \end{array}$$

$$\begin{array}{r} +1.0 \\ 33 \end{array} \quad \begin{array}{r} 0.5 \\ 11 \end{array} \quad \begin{array}{r} 1.8 \\ 8 \end{array} \quad 1.4 \quad \begin{array}{r} 1.5 \\ 11 \end{array} \quad \begin{array}{r} 5.0 \\ 33 \end{array}$$

$$\begin{array}{r} 4.2 \\ 33 \end{array} \quad \begin{array}{r} 5.0 \\ 12 \end{array} \quad \begin{array}{r} 5.8 \\ 8 \end{array} \quad 5.2 \quad \begin{array}{r} 5.6 \\ 15 \end{array} \quad \begin{array}{r} 6.3 \\ 25 \end{array} \quad \begin{array}{r} 7.5 \\ 33 \end{array}$$

$$\begin{array}{r} 3.4 \\ 33 \end{array} \quad \begin{array}{r} 4.2 \\ 7 \end{array} \quad \begin{array}{r} 4.8 \\ 6 \end{array} \quad 4.7 \quad \begin{array}{r} 5.0 \\ 15 \end{array} \quad \begin{array}{r} 5.7 \\ 33 \end{array}$$

$$\begin{array}{r} 3.7 \\ 33 \end{array} \quad \begin{array}{r} 4.2 \\ 14 \end{array} \quad 4.0 \quad \begin{array}{r} 4.2 \\ 11 \end{array} \quad \begin{array}{r} 5.8 \\ 18 \end{array} \quad \begin{array}{r} 6.2 \\ 33 \end{array}$$

$$\begin{array}{r} 2.7 \\ 33 \end{array} \quad \begin{array}{r} 3.1 \\ 10 \end{array} \quad \begin{array}{r} 3.3 \\ 9 \end{array} \quad 2.9 \quad \begin{array}{r} 3.0 \\ 12 \end{array} \quad \begin{array}{r} 5.7 \\ 20 \end{array} \quad \begin{array}{r} 6.2 \\ 33 \end{array}$$

$$\begin{array}{r} 2.6 \\ 33 \end{array} \quad \begin{array}{r} 3.3 \\ 9 \end{array} \quad 2.5 \quad \begin{array}{r} 2.8 \\ 10 \end{array} \quad \begin{array}{r} 3.4 \\ 15 \end{array} \quad \begin{array}{r} 3.6 \\ 33 \end{array}$$

$$\begin{array}{r} 1.5 \\ 33 \end{array} \quad \begin{array}{r} 3.5 \\ 10 \end{array} \quad 3.0 \quad \begin{array}{r} 3.0 \\ 9 \end{array} \quad \begin{array}{r} 4.0 \\ 18 \end{array} \quad \begin{array}{r} 4.0 \\ 33 \end{array}$$

$$\begin{array}{r} 5.0 \\ 33 \end{array} \quad \begin{array}{r} 5.7 \\ 11 \end{array} \quad 5.7 \quad \begin{array}{r} 5.6 \\ 10 \end{array} \quad \begin{array}{r} 7.5 \\ 20 \end{array} \quad \begin{array}{r} 7.7 \\ 33 \end{array}$$

✓
309.89

12

T.P.

4.49 307.90

6.48 303.41

02.1

13

02.1

14

02.3

+50

Appr. $\frac{1}{2}$ Side R. Lt

02.9

T.P.

9.56 314.23 3.23 304.67

✓

15

04.9

16

07.6

17

05.6

18

T.P.

10.37 312.71 11.89 302.34

02.8

19

02.9

20

06.7

21

07.5

22

T.P.

15.1 302.30 11.92 300.79

02.4

23

99.5

24. £ 27

$$\frac{9.0}{33} \quad \frac{9.0}{14} \quad 7.8 \quad \frac{8.2}{13} \quad \frac{9.2}{21} \quad \frac{9.2}{33}$$

$$\frac{5.3}{33} \quad \frac{5.8}{20} \quad \frac{7.2}{14} \quad \frac{6.6}{11} \quad 5.8 \quad \frac{6.2}{13} \quad \frac{7.1}{18} \quad \frac{7.2}{33}$$

$$\frac{4.0}{33} \quad \frac{5.4}{29} \quad \frac{6.8}{27} \quad 5.6 \quad \frac{6.0}{11} \quad \frac{6.6}{15} \quad \frac{5.8}{33}$$

$$\frac{6.4}{33} \quad 5.0 \quad \frac{5.2}{9} \quad \frac{2.6}{14} \quad \frac{0.7}{33}$$

$$\frac{11.5}{33} \quad \frac{11.5}{17} \quad \frac{9.5}{12} \quad 9.3 \quad \frac{9.3}{15} \quad \frac{5.6}{22} \quad \frac{4.1}{33}$$

$$\frac{1.4}{33} \quad \frac{2.3}{22} \quad \frac{5.0}{17} \quad \frac{6.6}{16} \quad 6.6 \quad \frac{6.6}{13} \quad \frac{5.0}{16} \quad \frac{4.6}{20} \quad \frac{2.8}{25} \quad \frac{2.5}{33}$$

$$\frac{7.6}{33} \quad \frac{9.6}{18} \quad 8.6 \quad \frac{9.7}{19} \quad \frac{5.5}{33}$$

$$\frac{13.3}{33} \quad \frac{12.6}{19} \quad \frac{13.3}{17} \quad \frac{12.2}{13} \quad 11.4 \quad \frac{12.0}{13} \quad \frac{14.0}{17} \quad \frac{14.2}{33}$$

$$\frac{7.2}{33} \quad \frac{7.2}{18} \quad \frac{10.2}{11} \quad 9.8 \quad \frac{9.8}{10} \quad \frac{11.2}{13} \quad \frac{10.8}{25} \quad \frac{10.8}{33}$$

$$\frac{5.6}{33} \quad \frac{6.4}{9} \quad 6.0 \quad \frac{5.7}{15} \quad \frac{4.4}{33}$$

$$\frac{4.0}{33} \quad \frac{6.5}{17} \quad \frac{5.5}{13} \quad 5.2 \quad \frac{5.0}{10} \quad \frac{3.7}{13} \quad \frac{4.0}{33}$$

$$\frac{10.0}{33} \quad \frac{10.5}{12} \quad 10.3 \quad \frac{10.7}{11} \quad \frac{9.5}{13} \quad \frac{7.5}{19} \quad \frac{7.5}{33}$$

$$\frac{6.0}{33} \quad \frac{6.4}{12} \quad \frac{5.1}{8} \quad 4.8 \quad \frac{5.2}{9} \quad \frac{8.2}{15} \quad \frac{9.2}{22} \quad \frac{9.2}{33}$$

302.30 ✓

24

97.2

25

97.6

26

✓

✓

01.1

T.P. 12.73 31368 1.35 300.95

+50

05.5

27

07.4

28

✓

12.7

B.M.

0.65 313.03

Left $\pm$ RIGHT

$\frac{2.4}{33}$ $\frac{4.5}{17}$ $\frac{5.4}{9}$ 5.1 $\frac{6.0}{10}$ $\frac{8.0}{16}$ $\frac{8.3}{21}$ $\frac{8.7}{33}$

$\frac{7.0}{33}$ $\frac{7.2}{12}$ $\frac{5.0}{7}$ 4.7 $\frac{5.4}{7}$ $\frac{6.6}{10}$ $\frac{8.5}{33}$

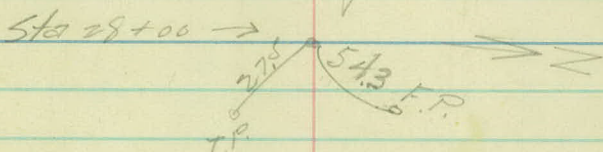
$\frac{3.4}{33}$ $\frac{3.4}{21}$ $\frac{1.7}{14}$ 1.2 $\frac{0.0}{21}$ $\frac{+7.4}{33}$ over 4.1.

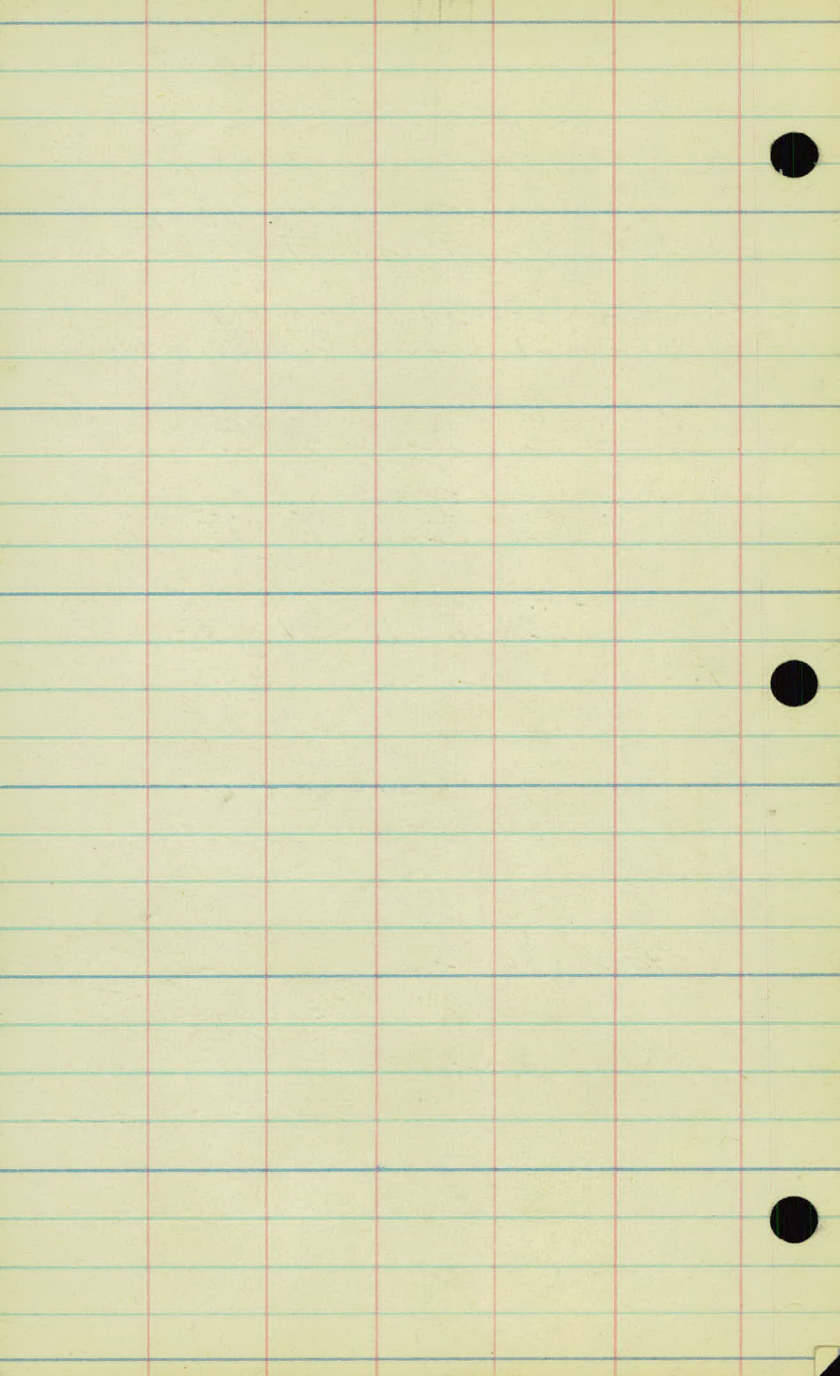
$\frac{6.6}{33}$ $\frac{7.0}{28}$ $\frac{8.4}{22}$ 8.2 $\frac{8.2}{20}$ $\frac{2.4}{33}$

$\frac{3.0}{33}$ $\frac{5.0}{28}$ $\frac{5.7}{12}$ 6.3 $\frac{7.2}{18}$ $\frac{7.2}{33}$

$\frac{+03.0}{33}$ $\frac{0.0}{30}$ 1.0 $\frac{1.5}{24}$ $\frac{+0.5}{33}$

P.P. 20' R4 of 28+20' R.R. spike.





20th Ave. N.E
FROM
PARK ROW.
TO
DIVISION ST.

Sta.	+	π	-	Elev
B.M.				304.81
T.P.	2.33	307.14		
			5.27	301.87
T.P.	0.20	302.07		

0+00				90.3
------	--	--	--	------

0+33				98.9
------	--	--	--	------

1+00				97.4
------	--	--	--	------

1+80				97.1
------	--	--	--	------

2+00				97.4
------	--	--	--	------

3+00				96.7
------	--	--	--	------

3+31				97.8
------	--	--	--	------

3+64				97.8
	E of par. Dir. str N.E. + 20° 4' NE			

B.M.				0.20 301.87
------	--	--	--	-------------

L.

R.

B.M. on Hyd. Henry Str. + 19th Ave.Top of Hyd. 20th Ave. + Park Row N.E. Corner

$$\begin{array}{r} 2.4 \\ 33 \\ \hline \end{array}$$

$$\begin{array}{r} 1.7 \\ 0 \\ \hline \end{array}$$

$$\begin{array}{r} 1.4 \\ 33 \\ \hline \end{array}$$

$$\begin{array}{r} 3.3 \\ 33 \\ \hline \end{array}$$

$$\begin{array}{r} 3.7 \\ 15 \\ \hline \end{array}$$

$$\begin{array}{r} 3.4 \\ 10 \\ \hline \end{array}$$

$$\begin{array}{r} 3.2 \\ 0 \\ \hline \end{array}$$

$$\begin{array}{r} 3.6 \\ 33 \\ \hline \end{array}$$

$$\begin{array}{r} 4.3 \\ 33 \\ \hline \end{array}$$

$$\begin{array}{r} 5.3 \\ 22 \\ \hline \end{array}$$

$$\begin{array}{r} 7.3 \\ 20 \\ \hline \end{array}$$

$$\begin{array}{r} 7.3 \\ 18 \\ \hline \end{array}$$

$$\begin{array}{r} 5.6 \\ 16 \\ \hline \end{array}$$

$$\begin{array}{r} 4.7 \\ 0 \\ \hline \end{array}$$

$$\begin{array}{r} 5.0 \\ 16 \\ \hline \end{array}$$

$$\begin{array}{r} 5.7 \\ 24 \\ \hline \end{array}$$

$$\begin{array}{r} 4.5 \\ 26 \\ \hline \end{array}$$

$$\begin{array}{r} 4.4 \\ 33 \\ \hline \end{array}$$

$$\begin{array}{r} 5.0 \\ 33 \\ \hline \end{array}$$

$$\begin{array}{r} 5.8 \\ 23 \\ \hline \end{array}$$

$$\begin{array}{r} 11.0 \\ 21 \\ \hline \end{array}$$

$$\begin{array}{r} 11.0 \\ 18 \\ \hline \end{array}$$

$$\begin{array}{r} 5.3 \\ 14 \\ \hline \end{array}$$

$$\begin{array}{r} 5.0 \\ 0 \\ \hline \end{array}$$

$$\begin{array}{r} 5.3 \\ 19 \\ \hline \end{array}$$

$$\begin{array}{r} 5.0 \\ 33 \\ \hline \end{array}$$

$$\begin{array}{r} 5.1 \\ 33 \\ \hline \end{array}$$

$$\begin{array}{r} 6.1 \\ 23 \\ \hline \end{array}$$

$$\begin{array}{r} 7.4 \\ 19 \\ \hline \end{array}$$

$$\begin{array}{r} 7.4 \\ 17 \\ \hline \end{array}$$

$$\begin{array}{r} 5.4 \\ 15 \\ \hline \end{array}$$

$$\begin{array}{r} 5.0 \\ 0 \\ \hline \end{array}$$

$$\begin{array}{r} 6.8 \\ 19 \\ \hline \end{array}$$

$$\begin{array}{r} 5.4 \\ 33 \\ \hline \end{array}$$

$$\begin{array}{r} 4.5 \\ 33 \\ \hline \end{array}$$

$$\begin{array}{r} 5.2 \\ 23 \\ \hline \end{array}$$

$$\begin{array}{r} 7.3 \\ 21 \\ \hline \end{array}$$

$$\begin{array}{r} 7.3 \\ 18 \\ \hline \end{array}$$

$$\begin{array}{r} 5.6 \\ 16 \\ \hline \end{array}$$

$$\begin{array}{r} 5.4 \\ 0 \\ \hline \end{array}$$

$$\begin{array}{r} 6.6 \\ 15 \\ \hline \end{array}$$

$$\begin{array}{r} 6.4 \\ 33 \\ \hline \end{array}$$

$$\begin{array}{r} 4.6 \\ 33 \\ \hline \end{array}$$

$$\begin{array}{r} 4.0 \\ 24 \\ \hline \end{array}$$

$$\begin{array}{r} 7.8 \\ 21 \\ \hline \end{array}$$

$$\begin{array}{r} 7.8 \\ 18 \\ \hline \end{array}$$

$$\begin{array}{r} 4.2 \\ 16 \\ \hline \end{array}$$

$$\begin{array}{r} 4.3 \\ 0 \\ \hline \end{array}$$

$$\begin{array}{r} 6.4 \\ 18 \\ \hline \end{array}$$

$$\begin{array}{r} 6.2 \\ 33 \\ \hline \end{array}$$

$$\begin{array}{r} 2.1 \\ 33 \\ \hline \end{array}$$

$$\begin{array}{r} 2.3 \\ 0 \\ \hline \end{array}$$

$$\begin{array}{r} 2.4 \\ 33 \\ \hline \end{array}$$

B.M. Top of Hyd 20th Ave + Park Row20th AVEFROM
PARK ROW

TO

DIVISION ST.

