557

380

FIELD

F.B.557

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TRAVERSE TABLE FOR TRANSIT BOOK.

From 1° to 90° for a distance of 100.

Degrees.	DEGREES.		¼ DEGREE.		½ DEGREE.		¾ DEGREE.		Degrees.
	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	
0			100.00	0.44	100.00	0.87	99.99	1.31	89
1	99.98	1.75	99.98	2.18	99.97	2.62	99.95	3.05	88
2	99.94	3.49	99.92	3.93	99.91	4.36	99.88	4.80	87
3	99.86	5.23	99.84	5.67	99.81	6.10	99.79	6.54	86
4	99.76	6.98	99.73	7.41	99.69	7.85	99.66	8.28	85
5	99.62	8.72	99.58	9.15	99.54	9.58	99.50	10.02	84
6	99.45	10.45	99.41	10.89	99.36	11.32	99.31	11.75	83
7	99.25	12.19	99.20	12.62	99.14	13.05	99.09	13.49	82
8	99.03	13.92	98.97	14.35	98.90	14.78	98.84	15.21	81
9	98.77	15.64	98.70	16.07	98.63	16.50	98.56	16.93	80
10	98.48	17.36	98.40	17.79	98.33	18.22	98.25	18.65	79
11	98.16	19.08	98.08	19.51	97.99	19.94	97.90	20.36	78
12	97.81	20.79	97.72	21.22	97.63	21.64	97.53	22.07	77
13	97.44	22.50	97.34	22.92	97.24	23.34	97.13	23.77	76
14	97.03	24.19	96.92	24.62	96.81	25.04	96.70	25.46	75
15	96.59	25.88	96.48	26.30	96.36	26.72	96.25	27.14	74
16	96.13	27.56	96.00	27.98	95.88	28.40	95.76	28.82	73
17	95.63	29.24	95.50	29.65	95.37	30.07	95.24	30.49	72
18	95.11	30.90	94.97	31.32	94.83	31.73	94.69	32.14	71
19	94.55	32.56	94.41	32.97	94.26	33.38	94.12	33.79	70
20	93.97	34.20	93.82	34.61	93.67	35.02	93.51	35.43	69
21	93.36	35.84	93.20	36.24	93.04	36.65	92.88	37.06	68
22	92.72	37.46	92.55	37.86	92.39	38.27	92.22	38.67	67
23	92.05	39.07	91.88	39.47	91.71	39.87	91.53	40.27	66
24	91.35	40.67	91.18	41.07	91.00	41.47	90.81	41.87	65
25	90.63	42.26	90.45	42.66	90.26	43.05	90.07	43.44	64
26	89.88	43.84	89.69	44.23	89.49	44.62	89.30	45.01	63
27	89.10	45.40	88.90	45.79	88.70	46.17	88.50	46.56	62
28	88.29	46.95	88.09	47.33	87.88	47.72	87.67	48.10	61
29	87.46	48.48	87.25	48.86	87.04	49.24	86.82	49.62	60
30	86.60	50.00	86.38	50.38	86.16	50.75	85.94	51.13	59
31	85.72	51.50	85.49	51.88	85.26	52.25	85.04	52.62	58
32	84.80	52.99	84.57	53.36	84.34	53.73	84.10	54.10	57
33	83.87	54.46	83.63	54.83	83.39	55.19	83.15	55.56	56
34	82.90	55.92	82.66	56.28	82.41	56.64	82.16	57.00	55
35	81.92	57.36	81.66	57.71	81.41	58.07	81.16	58.42	54
36	80.90	58.78	80.64	59.13	80.39	59.48	80.13	59.83	53
37	79.86	60.18	79.60	60.53	79.34	60.88	79.07	61.22	52
38	78.80	61.57	78.53	61.91	78.26	62.25	77.99	62.59	51
39	77.71	62.93	77.44	63.27	77.16	63.61	76.88	63.94	50
40	76.60	64.28	76.32	64.61	76.04	64.94	75.76	65.28	49
41	75.47	65.61	75.18	65.93	74.90	66.26	74.61	66.59	48
42	74.31	66.91	74.02	67.24	73.73	67.56	73.43	67.88	47
43	73.14	68.20	72.84	68.52	72.54	68.84	72.24	69.15	46
44	71.93	69.47	71.63	69.78	71.33	70.09	71.02	70.40	45
45	70.71	70.71							
Degrees.	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	Degrees
	DEGREES		¾ DEGREE.		½ DEGREE.		¼ DEGREE.		

MICROFILMED

"H"	St	P 1-11
Arctic	"	" 12-15
Second	"	" 16-22
"G"	"	" 24-32
"E"	"	" 34-42
"F"	"	" 43-51

E. Pit

69' from ctr tower set pt. at Elev 221.6
Check bot pit Elev 211.6 -

W. Pit

79' from ctr Tower set pt at Elev 218.93
Check pit Elev 208.93 -

Bot E Pit

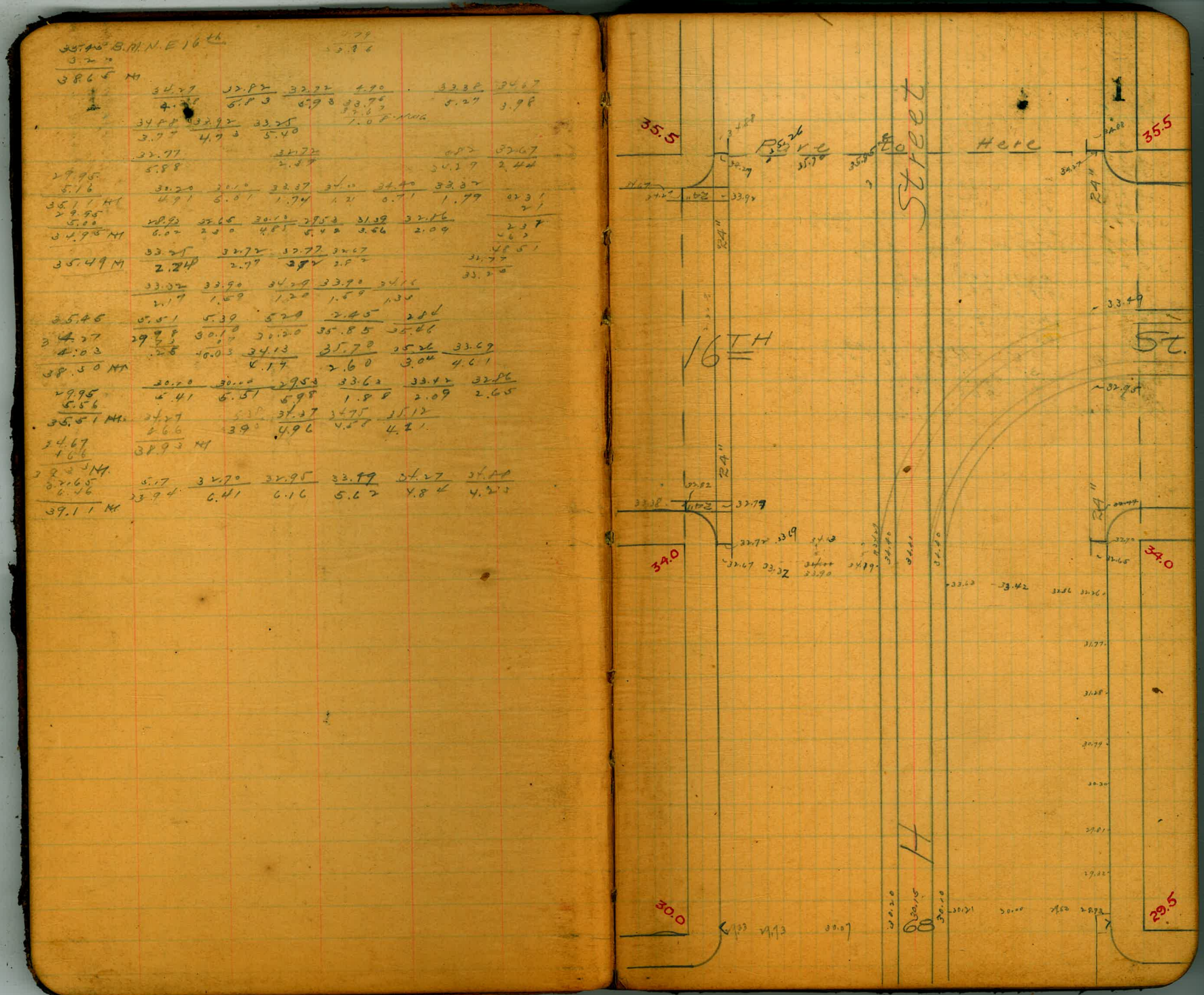
	No.	So.		
	18.25	18.63	2.41	221.6
225.86	210.63	210.25	226.47	7.28
3.02			211.6	
228.88 Hs			14.87	

Bot W Pit

	No.	So.		
227.09	17.63	19.63	218.93	2.30
0.69	210.15	208.15	8.85	225.48
227.78 Hs				208.93
				16.55

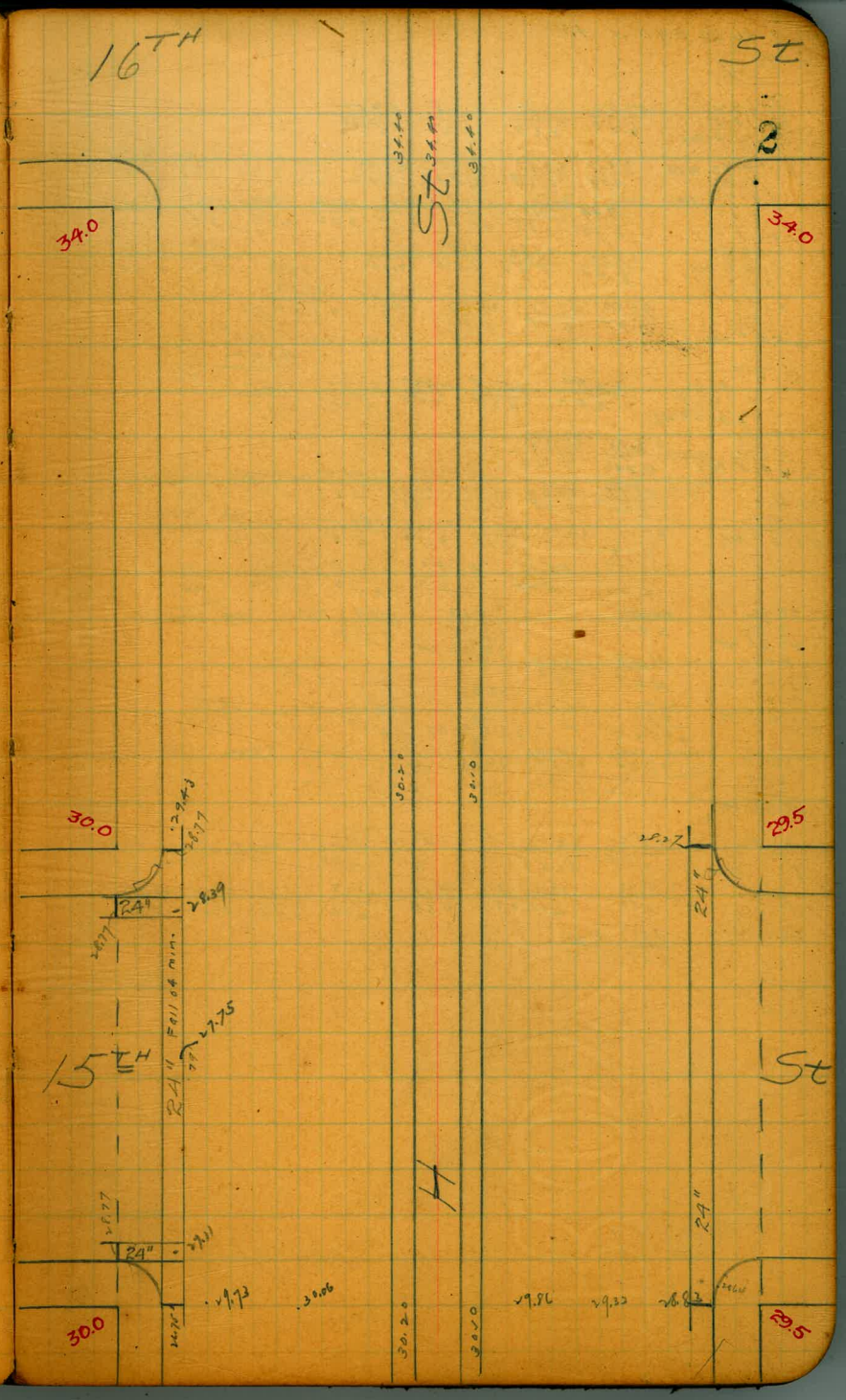
211.04	7.83	14.50	215.00	215.00
33	203.54 ab pit	196.87	196.90	203.5
211.37 Hs			18.10	11.50

211.98
4.12
216.10



35.5
Pave to Here
Street
16TH
St.
34.0
30.0
29.5

29.95 B.M. N.W. 16th



46.92 B.M.N.W 14th

46.92 / 5.48 / 52.40 HI — 46.33 / 6.07 — 46.73 / 5.67 — 47.18 / 5.22 — 47.40 / 5.00

46.92 B.M. / 1.80 / 48.72 HI — 44.17 / 4.55 — 44.67 / 4.05 — 45.15 / 3.57 — 45.40 / 3.32 — 41.60 / 7.12 — 40.46 / 8.26 — 40.94 / 7.78 — 41.38 / 7.34

40.80 T.P. / 6.8 / 41.48 HI — 37.49 / 3.99 — 36.75 / 4.73 — 37.95 / 3.53 — 38.36 / 3.12 — 38.56 / 2.92 — 37.80 / 3.68 — 37.60 / 3.88 — 37.20 / 4.28

7.49 — 33.04 / 8.44 — 33.46 / 8.02 — 33.83 / 7.65 — 34.0 / 7.48 — 37.80 / 5.24 — 37.20 / 5.84

33.99 / 1.55 / 35.54 HI — 30.20 / 5.34 — 30.06 / 5.48 — 29.73 / 5.81 — 29.33 / 6.21 — 44.8 / 38.56 / 43.04 HI — 41.60 / 1.42 / 43.02

5.57 / 29.99 — 43.02 — 38.36 / 4.66

46.92 / 2.28 / 49.20 HI — 45.40 / 3.80 — 45.15 / 4.05 — 44.67 / 4.53 — 37.60 / 5.44 — 37.95 / 5.09

29.95 / 4.53 / 34.48 HI — 29.73 / 4.75 — 30.06 / 4.42

46.92 / 3.45 / 50.37 HI — 46.17 / 4.20 — 46.09 / 4.28 — 46.17 / 4.20 — 46.33 / 4.04 — 44.50 / 5.87 — 44.43 / 5.94 — 44.38 / 5.99 — 44.33 / 6.04

46.25 / 4.12 — 46.20 / 4.17 — 46.00 / 4.37 — 45.65 / 4.72 — 45.00 / 5.37 — 46.25 / 4.12 — 46.17 / 4.20

44.67 / 5.70 — 45.15 / 5.22 — 45.40 / 4.97 — 47.18 / 2.19 — 46.73 / 3.64 — 29.95 / 4.01 / 33.96 HI

46.92 / 0.31 / 47.23 HI — 44.33 / 2.90 — 4.37 / 29.95 / 34.32 HI — 28.83 / 5.49

8.51 / 38.72 T.P. / 2.56 / 41.28 HI — 36.59 / 4.69 — 35.82 / 5.46 — 30.10 / 3.86

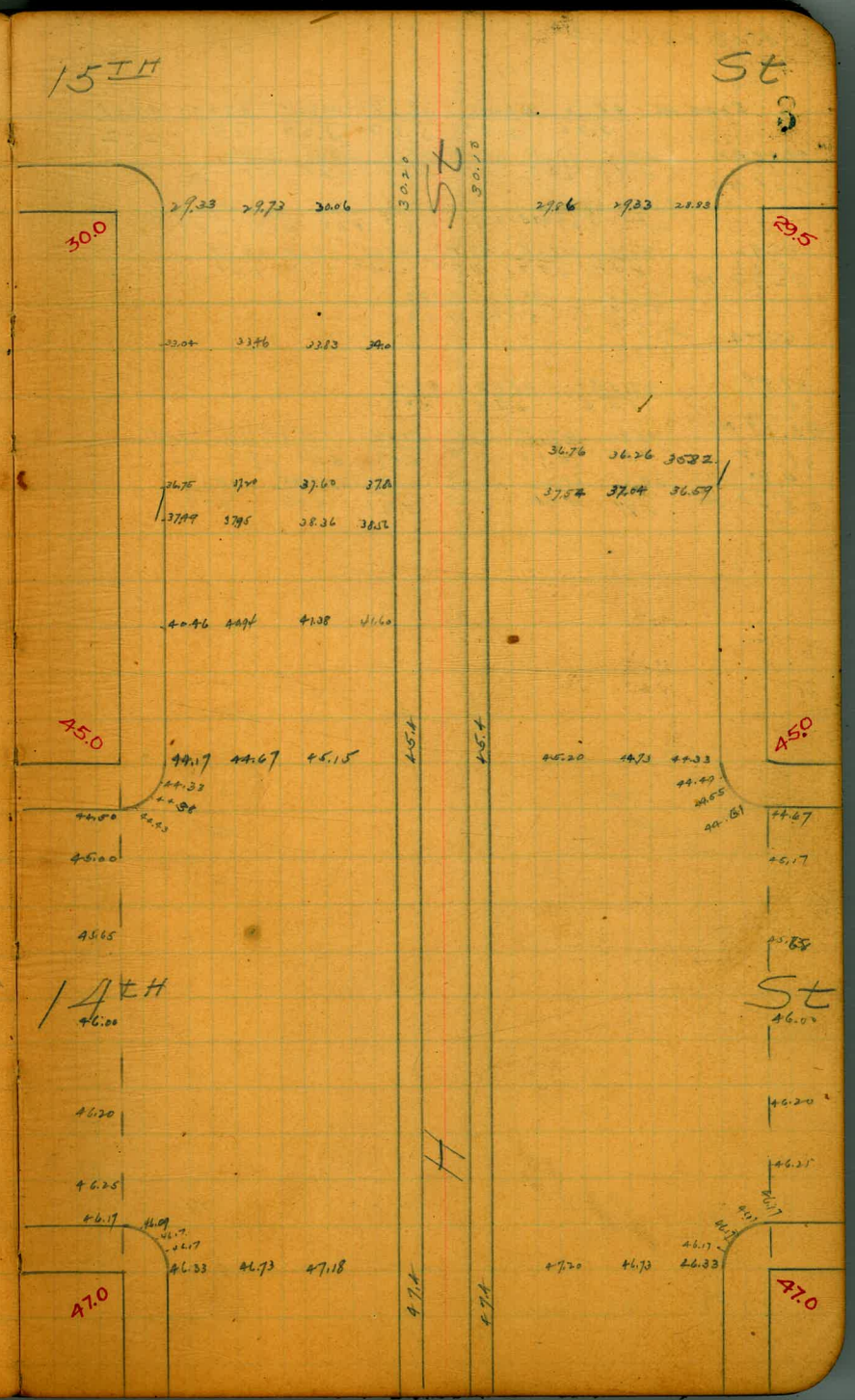
46.92 / 2.61 / 49.53 HI — 45.40 / 4.13 — 29.95 / 3.60 / 33.55 HI — 29.33 / 4.22 — 30.10 / 3.45 — 29.86 / 3.69

36.59 / 2.67 / 39.26 HI — 37.04 / 2.22 — 37.54 / 1.72 — 36.26 / 3.00 — 36.76 / 2.50 — 5.31 / 92

46.92 / 3.36 / 50.28 HI — 45.20 / 5.08 — 44.73 / 5.55 — 46.17 / 4.06 — 46.25 / 3.98 — 46.20 / 4.03 — 46.00 / 4.23 — 45.73 / 4.50

3.31 / 46.92 / 50.23 HI — 46.73 / 3.50 — 47.20 / 3.03 — 47.40 / 2.83 — 45.68 / 4.55 — 45.17 / 5.06 — 44.67 / 5.56 — 44.61 / 5.62 — 44.55 / 5.68 — 44.49 / 5.74

4.73 / 5.50 — 5.20 / 5.03



48.48 B.N.S.W 13th

52.40 M. 48.10 / 4.30 48.43 / 3.97 48.57 / 3.83 49.17 / 3.23 49.47 / 2.93 49.68 / 2.72 49.75 / 2.65

48.48 B.M. / 5.70 / 54.18 M. 49.75 / 4.43 49.68 / 4.50 49.47 / 4.71 49.63 / 4.55 49.90 / 4.28 50.00 / 4.18

49.33 / 4.85 49.29 / 4.89 49.43 / 4.97 49.51 / 4.67 4.63 / 4.59 49.59 / 4.59

46.92 / 5.23 / 52.15 M. 46.73 / 5.42 47.18 / 4.97 47.40 / 4.75 49.75 / 2.40 49.68 / 2.47 49.47 / 2.68

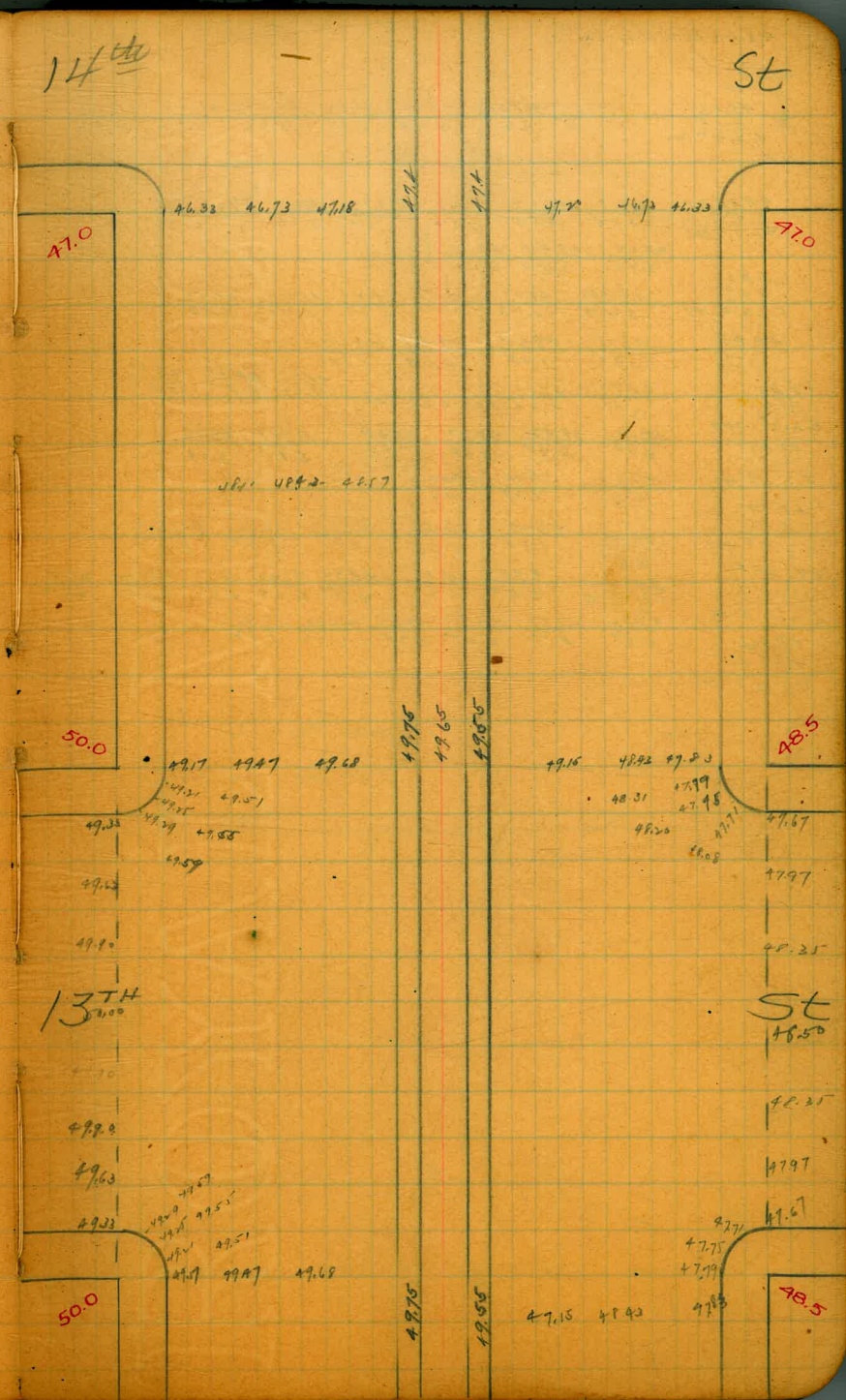
46.92 / 5.27 / 52.19 M. 46.33 / 5.86 47.83 / 4.36

5.54 / 3.72 / 48.47

48.48 / 4.91 / 53.39 M. 49.55 / 3.84 48.43 / 4.96 49.15 / 4.24

48.48 / 4.80 / 53.28 M. 48.43 / 4.85 49.15 / 4.13 49.55 / 3.73 47.79 / 5.49 47.75 / 5.53 47.71 / 5.57 47.67 / 5.61

48.31 / 4.97 48.20 / 5.08 48.08 / 5.20 47.97 / 5.31 48.35 / 4.93 48.50 / 4.78



48.43 B.M. N.W. 12th

48.43 / 4.14 / 52.57 HI — 3.34 / 49.13 — 47.90 / 4.67 — 47.32 / 5.25 — 47.13 / 5.44 — 47.32 / 5.25 — 47.87 / 4.70 — 46.95 / 5.72

48.48 B.M. / 3.54 / 52.02 HI — 49.17 / 2.85 — 49.47 / 2.55 — 49.68 / 2.34 — 49.75 / 2.27 — 48.86 / 3.16 — 49.06 / 2.96

48.27 / 3.75 — 48.47 / 3.55 — 48.53 / 3.49

48.43 / 3.47 / 51.90 HI — 48.38 / 3.52 — 48.07 / 3.83 — 48.50 / 3.40 — 48.23 / 3.67 — 48.43 / 3.47 — 48.50 / 3.40 .07

48.48 / 5.18 / 53.66 — 49.75 / 3.91 — 49.68 / 3.98 — 49.47 / 4.19 — 49.17 / 4.49

48.07 / 4.12 — 48.38 / 3.81 — 48.50 / 3.69

48.43 / 3.86 / 52.29 HI — 48.50 / 3.79 — 47.83 / 4.36 - 4.40 - 4.44 - 4.48

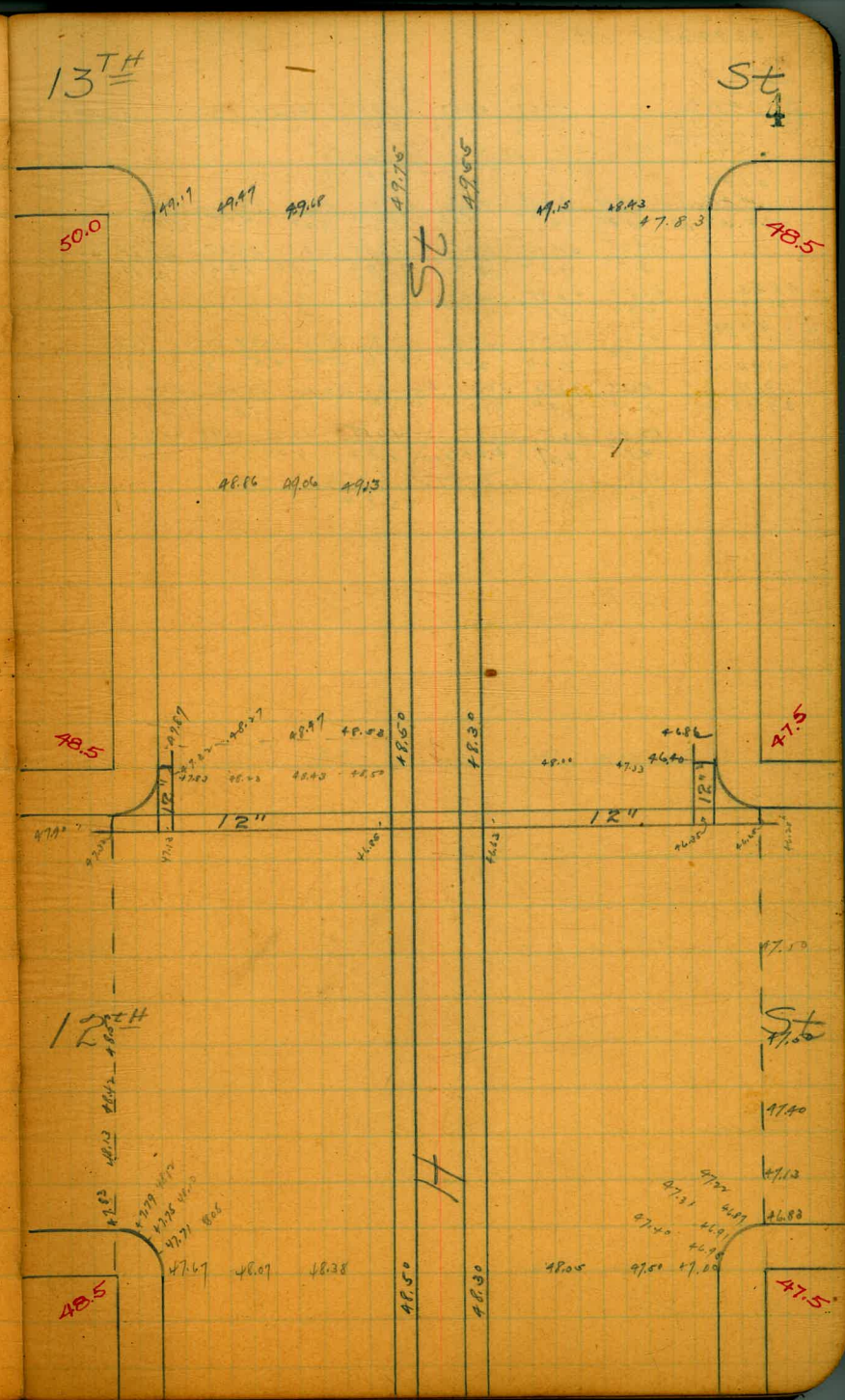
48.13 / 4.06 — 48.42 / 3.77 — 48.50 / 3.69 — 48.48 / 4.46 / 52.94 HI — 47.83 / 5.11 — 46.86 / 6.08

48.43 / 3.76 / 52.19 HI — 47.33 / 5.66 — 48.30 / 4.69 — 48.00 / 4.99

48.43 / 4.56 / 52.99 HI — 46.40 / 5.60 — 46.25 / 5.75 — 46.35 / 5.65 — 47.50 / 4.50 — 46.20 / 5.80 — 46.63 / 5.37

48.43 / 3.57 / 52.00 HI — 48.30 / 3.70 — 47.50 / 5.57 — 48.05 / 5.02 — 48.30 / 4.77 — 47.42 / 5.67 — 47.31 / 5.76 — 47.22 / 5.85 — 47.13 / 5.94

48.43 / 4.64 / 53.07 HI — 47.40 / 5.67 — 47.50 / 5.57 — 46.83 / 6.24 — 46.87 / 6.20 — 46.91 / 6.16 — 46.95 / 6.12



43.99 N.W. 11th

48.43 / 2.36 — 47.67 / 3.12 — 48.07 / 2.72 — 48.38 / 2.41 — 48.60 / 2.19 — 46.57 / 4.22 — 46.88 / 3.91

50.79 H.

47.67 / 6.12 — 45.07 / 6.72 — 45.38 / 6.41 — 45.68 / 6.12

43.99 / 4.48

48.47 H.

44.67 / 3.80 — 43.50 / 4.97 — 43.41 / 5.06 — 43.33 / 5.14 — 43.25 / 5.22 — 44.[illegible] / 4.47 — 44.50 / 3.97

44.75 / 3.72 — 44.85 / 3.62 — 44.57 / 3.90 — 44.55 / 3.92 — 44.67 / 3.80 — 45.07 / 3.40 — 45.38 / 3.09 — 45.50 / 2.97

48.43 / 2.07

50.50 H.

43.57 / 4.90 — 43.88 / 4.69 — 44.[illegible] / 4.47

47.00 / 3.50 — 46.30 / 2.20 — 46.05 / 2.45 — 47.50 / 3.80 — 45.30 / 5.20 — 44.97 / 5.53 — 44.83 / 6.17 — 44.83 / 6.17

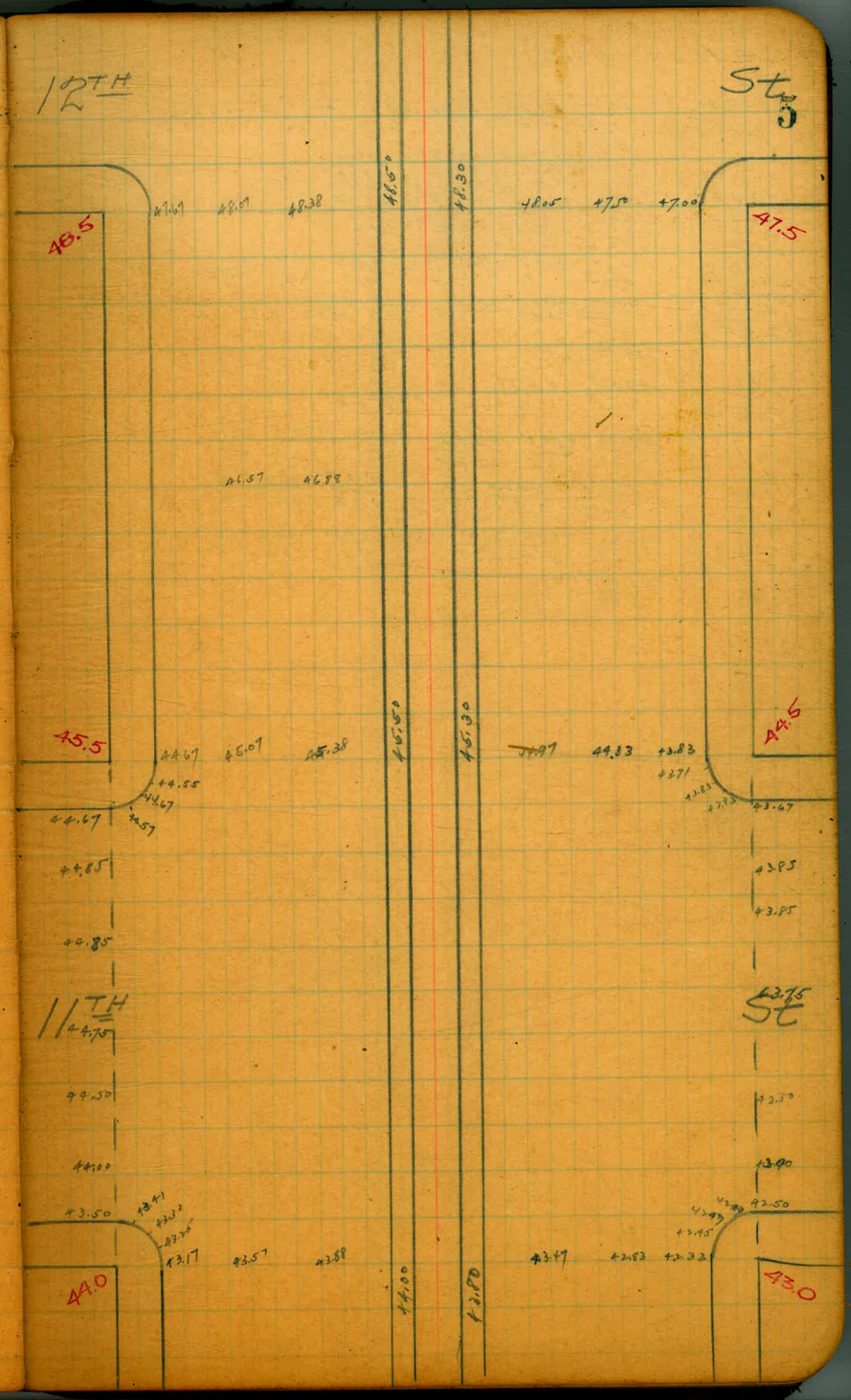
43.99 / 3.78

47.77 H.

42.67 / 4.10 — 43.03 / 3.94 — 43.71 / 4.06 — 42.33 / 5.44 — 42.45 / 5.32 — 42.47 / 5.30 — 42.49 / 5.28 — 42.5 / 5.27

42.90 / 4.87 — 43.17 / 4.27 — 44.75 / 4.02 — 43.85 / 3.92 — 44.33 / 3.44 — 44.97 / 2.80 — 45.30 / 2.47

43.50 / 3.97 — 42.47 / 4.30 — 42.83 / 4.94 — 4.95 / 42.82



~~37.95 B.M. N.W 10th~~

37.99 BM NW 10th

43.99
1.14
45.13 HT

43.17 43.57 43.88 44.00 41.07 41.44 41.60
1.96 1.56 1.25 1.13 4.06 3.69 3.53

38.17 38.57 39.00 39.20 37.25
6.96 6.56 6.13 5.93 7.88

37.25 37.17 37.33 37.41 37.50 38.17
5.32 5.40 5.24 5.16 5.07 4.40

42.57
43.99
44
44.43
6.44
37.99
37.99
4.45
42.44 HT

37.57 38.00 38.20
4.75 4.32 4.82

42.32 HT

37.50 37.41 37.33 37.25 38.17 38.11 38.09
4.94 5.03 5.11 5.19 4.27 4.33 4.35

37.57 37.90 38.30 38.50 38.37 38.57 39.10 39.20
4.87 4.54 4.14 3.94 4.07 3.87 3.44 3.24

4.25 75
38.19 76.9

43.99
1.09
45.08 HT

43.57 43.88 44.00 39.20
1.51 1.20 1.08 5.88

43.80 43.47 42.83 42.33 37.83 38.33 38.87 39.10
1.20 1.63 2.27 2.77 7.27 6.77 6.23 6.00

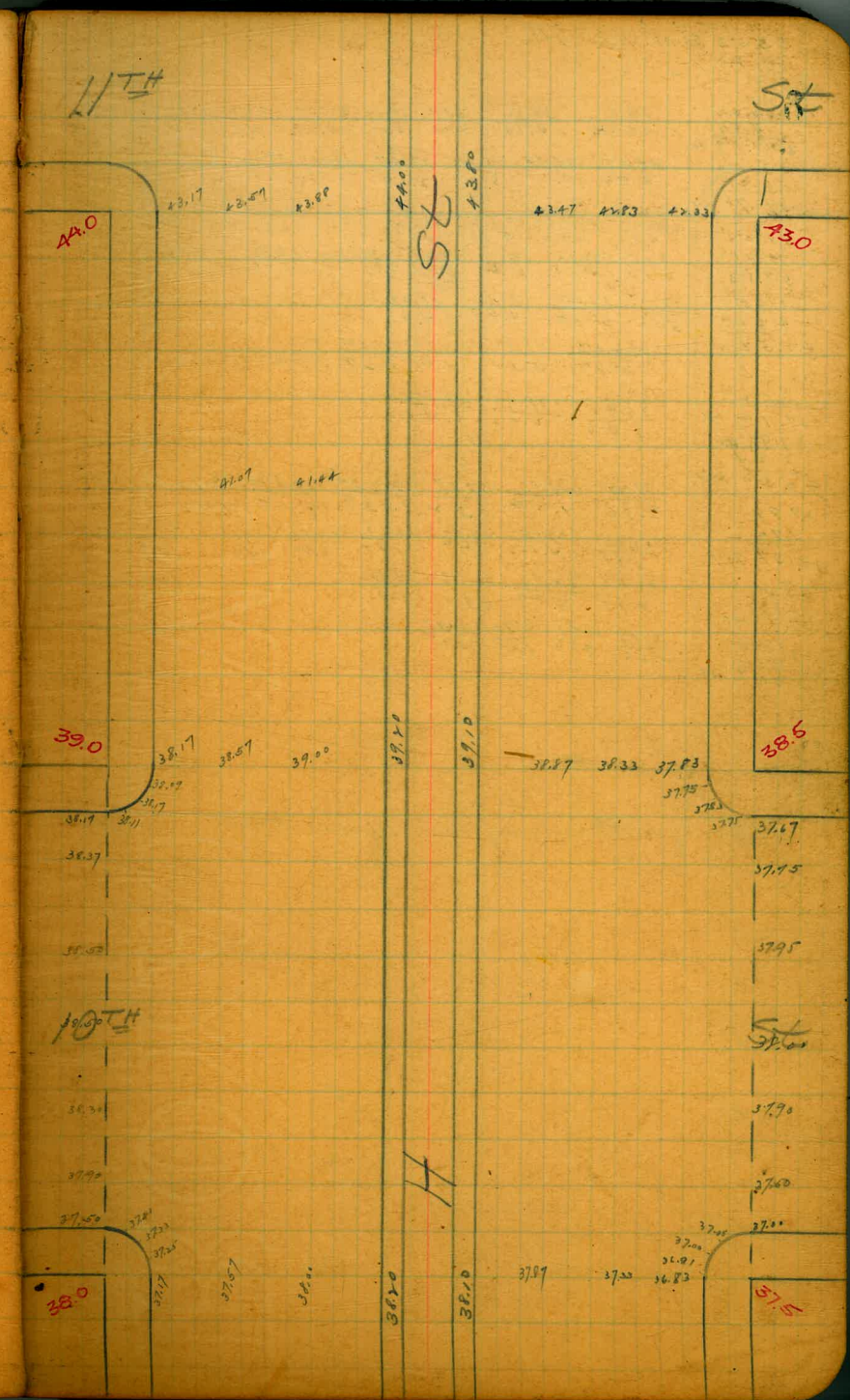
4.399
1.11
45.10 HT

39.10 38.87 38.33 37.75 37.95 38.00 37.90 37.50
2.71 2.94 3.48 4.06 3.86 3.81 3.91 4.31

3.82
37.99
41.81 HT

37.33 37.87 37.00 37.05 37.00 36.91 37.67 37.75 37.83
4.48 3.94 4.81 4.76 4.81 4.90 4.14 4.06 3.98

37.75
4.06



33.52 B.M N.W 9th

33.52
4.47
37.99 HI.

2.61 / 35.38 — 33.30 / 4.69 — 3.81 / 4.13 — 32.77 / 5.22 — 32.57 / 5.42 — 33.43 / 4.56 — 32.30 / 5.69

33.52
6.24
39.76 HI

34.00 / 5.76 — 35.65 / 4.11 — 35.97 / 3.79 — 37.57 / 2.19 — 38.00 / 1.76 — 38.20 / 1.56 — 37.7 / 2.59

33.52
4.31
37.83

33.00 / 4.83 — 32.91 / 4.92 — 32.83 / 5.00 — 32.75 / 5.08 — 2.67 / 5.16 — 33.15 / 4.68 — 3.23 / 4.60 — 3.31 / 4.52 — 33.52 / 4.43

3.65 / 4.18 — 33.75 / 4.08 — 3.83 — 3.65 / 4.18 — 3.83 — 33.73 / 4.10 — 33.93 / 3.90

37.95
4.62
42.57

37.17 / 5.40 — 37.57 / 5.00 — 38.00 / 4.57 — 38.20 / 4.37

32.07 / 5.57 — 31.80 / 5.34 — 31.70 / 5.44 — 31.85 / 5.29 — 31.65 / 5.49 — 32.44 / 4.70

33.52
3.62
37.14 HI

36.83 / 3.40 — 38.10 / 2.13 — 33.80 / 6.43

37.99
2.24
40.23 HI.

37.33 / 2.36 — 38.10 / 1.59 — 37.87 / 1.82 — 33.80 / 5.89 — 33.52 / 6.17 — 32.93 / 6.76

37.99
1.70
39.69 HI.

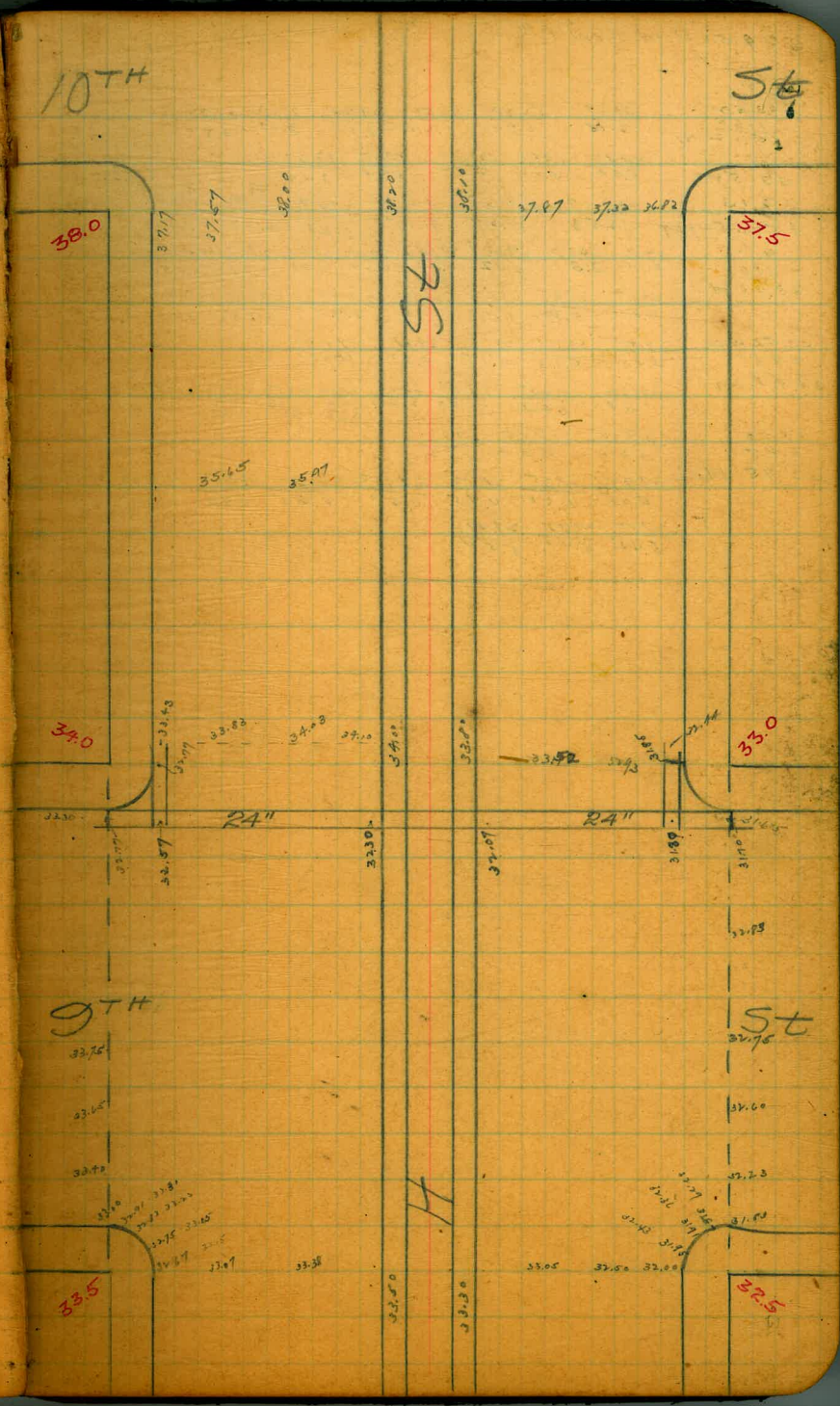
33.30 / 3.90 — 33.15 / 4.15 — 32.50 / 4.70 — 32.23 / 4.97 — 32.60 / 4.60 — 32.75 / 4.45 — 1.26 / .94

32.83 / 4.37 — 32.46 / 4.77 — 32.36 / 4.84 — 32.29 / 4.91

33.52
3.68
37.20 HI.

31.83 / 5.26 — 31.87 / 5.32 — 31.91 / 5.28 — 31.95 / 5.24

4.96
32.23
37.19 HI



29.50 B.M. N.W. 8th

33.57 / 1.60 / 35.17 H.I. — 33.07 / 2.05 — 33.38 / 1.74 — 33.50 / 1.62 — 31.75 / 3.37 — 31.62 / 3.49 — 31.37 / 3.80

29.57 / 6.58 — 29.88 / 5.27 — 30.00 / 5.15 — 29.17 / 5.95 — 32.67 / 2.45

33.57 / 2.13 / 35.65 H.I. — 33.07 / 2.58 — 33.38 / 2.27 — 33.50 / 2.15 — 29.57 / 6.08 — 29.88 / 5.77 — 30.00 / 5.65

29.50 / 3.80 / 33.30 H.I. — 29.17 / 4.13 — 30.00 / 3.31 — 29.88 / 3.42 — 29.25 / 4.05 — 29.18 / 4.12 — 28.97 / 4.33 — 28.67 / 4.63 — 28.75 / 4.55

29.00 / 4.30 — 28.91 / 4.39 — 28.83 / 4.47 — 28.75 / 4.55 — 29.40 / 3.90 — 29.65 / 3.65 — 29.75 / 3.55 — 29.68 / 3.62

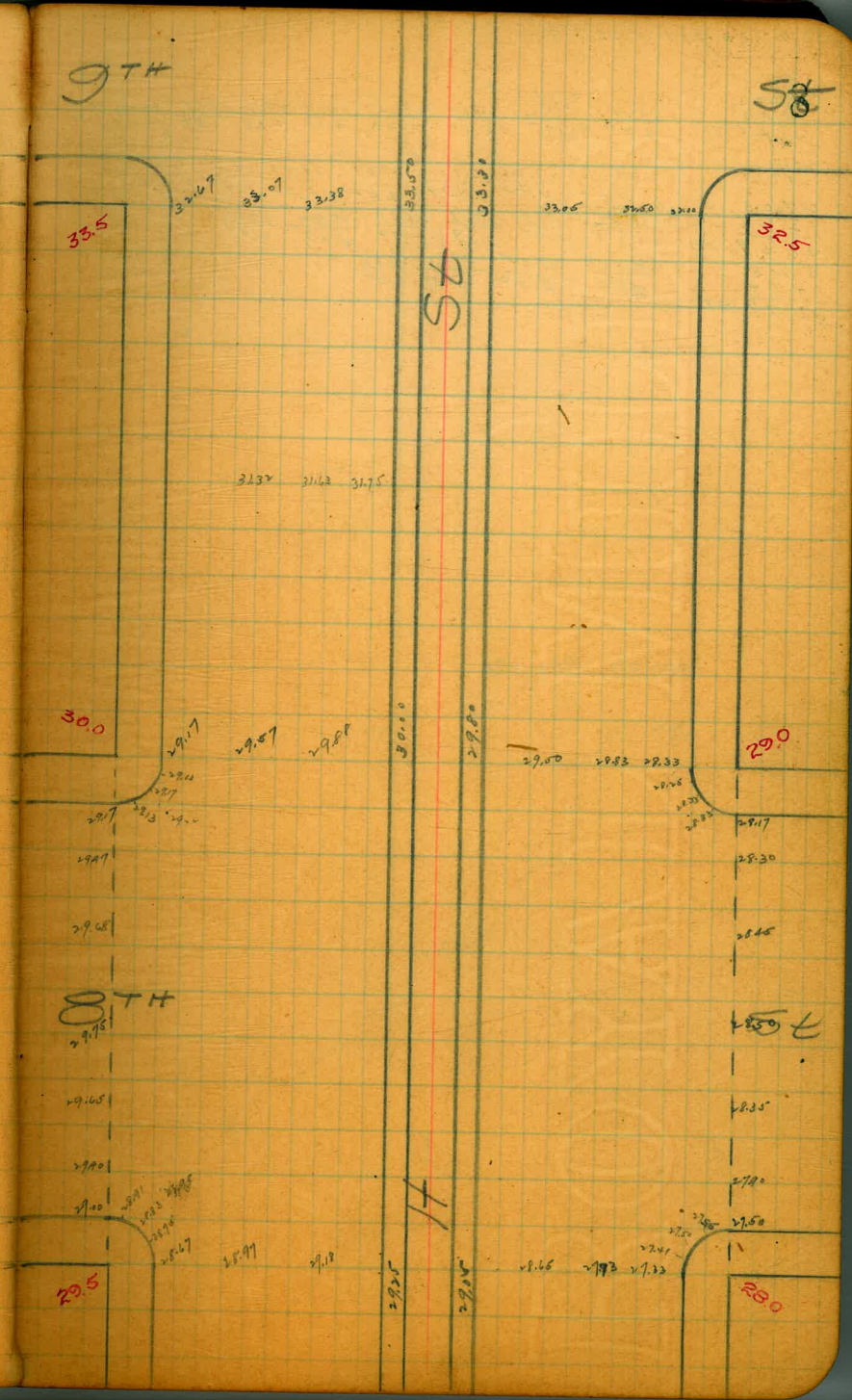
33.52 B.M. / 0.96 / 34.48 H.I. — 29.57 / 3.83 — 29.17 / 4.13 — 29.13 / 4.17 — 29.08 / 4.37 — 29.42 / 4.08

33.30 / 1.18 — 33.05 / 1.43 — 32.50 / 1.98 — 32.00 / 2.48 — 29.80 / 4.68 — 29.50 / 4.98 — 28.13 / 6.35 — 28.33 / 6.15

29.50 / 3.48 / 32.98 H.I. — 29.05 / 3.92 — 28.65 / 4.32 — 27.92 / 5.02

27.92 / 5.06 — 28.35 / 4.63 — 28.50 / 4.48 — 28.45 / 4.53 — 28.30 / 4.68 — 28.17 / 4.81 — 28.33 / 4.65 — 28.25 / 4.73

27.50 / 5.45 — 27.55 / 5.40 — 27.41 / 5.54



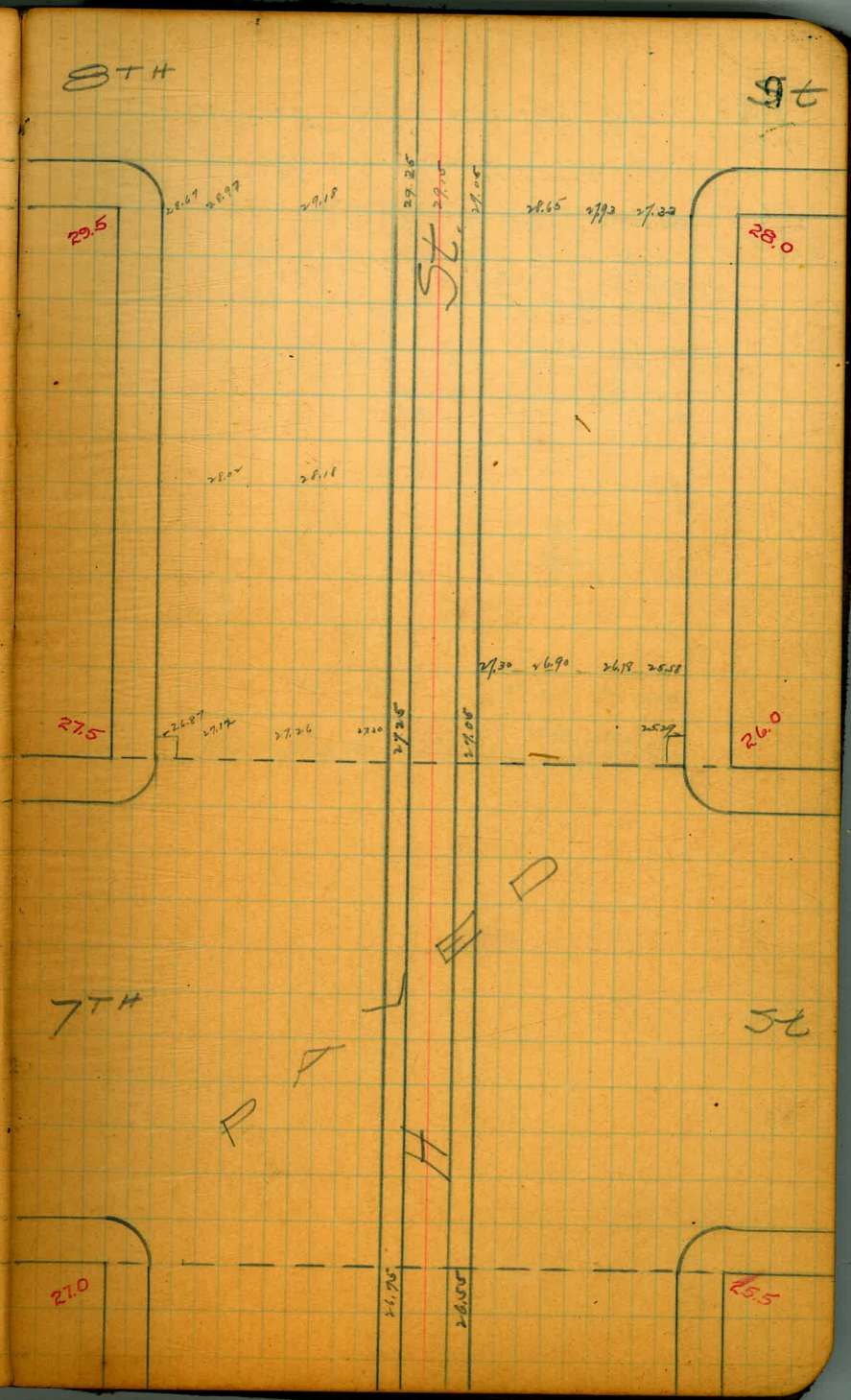
27.03 B.M. N.W. 7th

27.03	29.25	27.03	4.67	27.25	29.25	29.18	28.97	28.02	28.18
4.43	2.21	4.51	26.87	4.29	2.29	2.36	2.59	3.52	3.36
31.46 N.1		31.54							

28.67	27.12	27.26	27.30	28.67	28.97	29.18	29.25
2.87	4.57	4.43	4.39	3.02	2.72	2.51	2.44

27.03	5.02	6.68	25.58	26.18	26.90	27.30
4.66	26.95	15.29	1.39	5.79	5.07	4.67
31.69 N.1						

27.03	29.05	28.65	27.93	27.33
4.94	2.92	3.32	4.04	4.64
31.97 N.1				



24.91 B.M. S.E 6th

24.91
5.08
29.99 H.I.

26.00 3.20 26.75 27.03 2.83 3.44 4.59 25.5
3.99 26.79 3.24 29.86 H.I. 26.42 25.27 24.83 67

26.34 26.58 26.28 26.01 25.68 25.98 3.15
3.52 3.28 3.58 3.85 4.18 3.88 26.71

27.03
3.31
30.34 H.I.

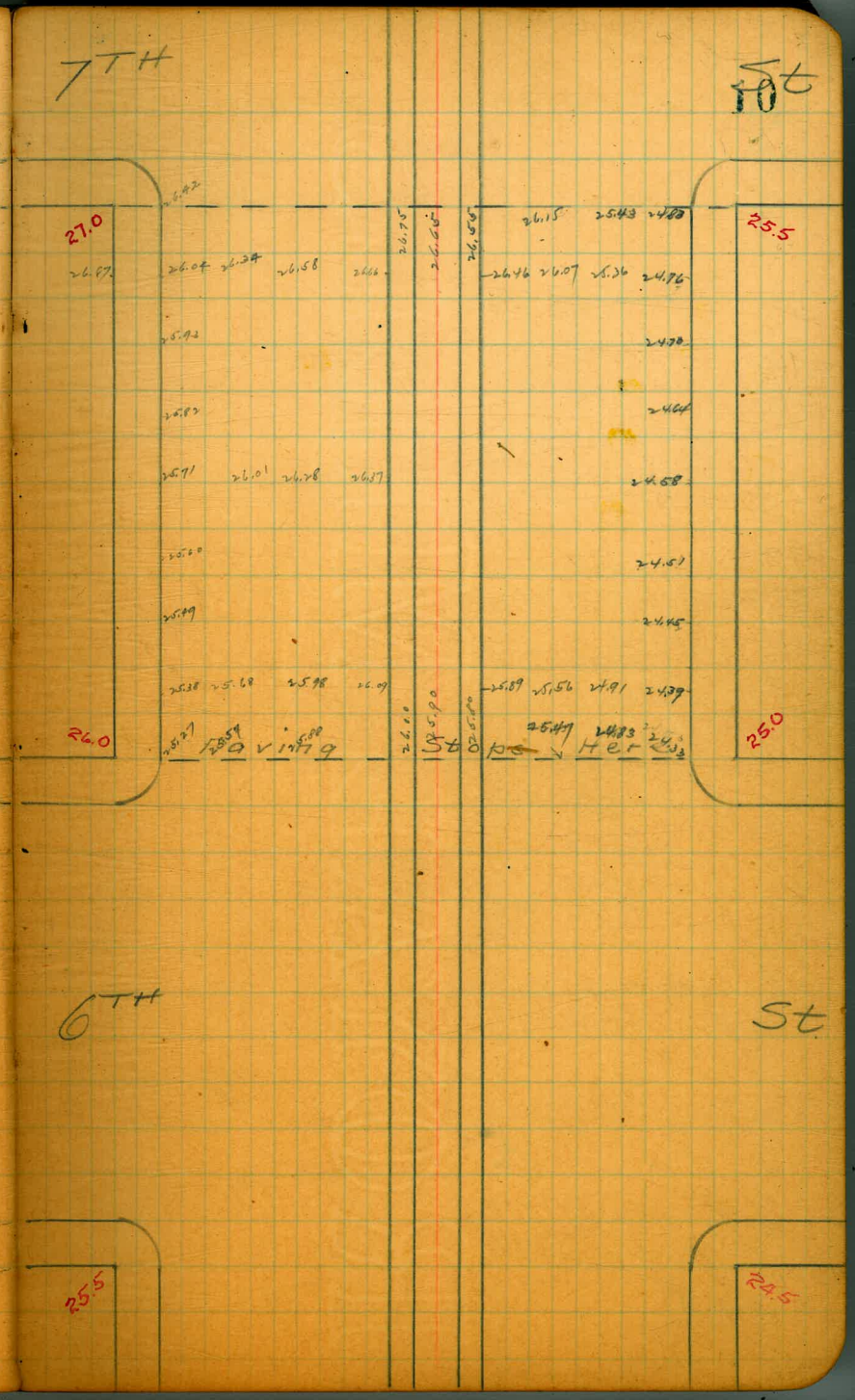
25.27 25.49 25.60 25.71 25.82 25.93 26.04
4.59 4.37 4.26 4.15 4.04 3.93 3.82

25.38 25.68 25.98 26.09 26.34 26.58 26.66
4.96 4.66 4.36 4.25 4.00 3.76 3.68

6.03 24.56 5.48 24.76 24.70 24.64 24.58
24.31 5.78 24.86 5.58 5.64 5.70 5.76

24.51 24.45 24.39 24.91 25.56 25.89
5.83 5.89 5.95 5.43 4.78 4.45

25.36 26.07 26.46
4.98 4.27 3.88



B.M. S.E Cor Arctic and D 10.502

B.M S.E Cor Arctic and E 7.461

7.46
4.54
12.00 M1
10.50
2.37
12.87 M1.
4.01
8.86

7.67 4.56 10.50 9.90 7.67
4.33 7.44 2.39 3.1 9+00
13.09 M1

2.78 3.18 2.61 10.05 9.91 9.87 9.80
10.09 9.69 4.26 2.82 2.96 3.00 3.07

7.93 7.87 7.79
4.97 5.00 5.08

7.46
4.74
12.20 M1
10.50
2.21
12.71 M1

9.00 7.42 7.83 8.25 8.67
5.20 4.78 4.37 3.95 3.53

9.21 7.87 7.80 7.90 7.07 7.79 8.25 8.67 9.08
2.90 2.84 2.91 4.81 4.84 4.92 4.46 4.04 3.63

9.50
3.21

7.46
4.42
11.88 M1

8.50 8.83 9.33 9.75 10.17 10.58 11.00
3.38 3.05 2.55 2.13 1.71 1.30 0.88

10.50
4.42
14.92 M1

8.83 9.43 9.95 10.21 8.63 9.23 9.74 9.99
6.09 5.49 4.97 4.71 6.29 5.69 5.18 4.93
R6.01 R5.63 R5.08 R4.72

3.25
8.48

Rod 0.3

7.46
5.09
2.55 M1

6.5 7.00 7.40 7.60
6.05 5.55 5.15 4.95

7.46
4.30
11.76 M1

7.67 6.33 6.35 6.37 6.39 6.41 7.41
4.09 5.43 5.41 5.39 5.37 5.35 4.36

7.60 7.40 7.0 6.50 6.42 6.42 6.38 6.41
4.16 4.36 4.76 5.26 5.30 5.34 5.38 5.43

6.70 6.60 7.00 6.65 7.25 6.75 6.83 6.92
6.06 4.86 4.76 5.11 4.51 5.02 4.92 4.84

7.46
4.01
11.47 M1

6.67 6.57 6.21 7.60 7.55 7.40 7.48 7.56 7.64 7.73
5.09 5.19 5.05 3.87 3.92 4.07 3.99 3.91 3.83 3.74

8.10 8.25 8.15 7.92 7.89 7.85 7.82 7.79 7.87 7.80
3.37 3.22 3.32 3.55 3.58 3.62 3.65 3.68 3.60 3.57

7.17 7.21 7.25 7.29 7.33 7.67 7.70 7.73
4.30 4.26 4.22 4.18 4.1 3.80 3.77 3.74

D

13 St.

8.83 9.43 9.95 10.21 10.59 10.05 9.90

9.63 9.23 9.74 9.99 9.91 9.87 9.80 9.74

9.5 11.0

9.08 10.58

8.67 10.17

8.25 9.75

7.83 9.33

7.42 8.83

7.0 8.5

6.5 7.0 7.40 7.60 7.90 7.87 7.79 7.69

7.87 7.70

7.47

7.89 7.92

8.16

St.

ARCTIC

E

7.00 6.90 6.70 6.41 6.33 6.33 6.83 7.15 7.40 7.60 7.55 7.40 7.17

7.64 7.56 7.40 7.33 7.21

8.25 8.10 7.72

7.0 8.0

B.M. S E Cor Arctic x F 5.450

7.46
4.13
11.59 Ht

8.00 7.58 7.17 6.75 6.33 5.92 5.50
3.59 4.01 4.42 4.84 5.26 5.67 6.09

5.50 6.20 6.90
6.09 5.39 4.69

5.45 BM
4.58
10.03 Ht.
3.53
6.50 Ht
4.96
11.46 Ht
4.01
7.45

5.50 5.75 6.00 6.25 6.50 6.75 7.00
4.53 4.28 4.03 3.78 3.53 3.28 4.71 4.46

7.46 7.60 7.55 7.40 7.17 5.50 5.00
2.66 2.52 2.57 2.72 2.95 4.62 5.12
10.12 Ht 5.85 5.78 5.61 5.25 7.00
4.27 4.34 4.51 4.87 3.12

5.45
4.465
9.915 Ht

5.50 5.40 5.18 4.83
4.41 4.51 4.73 5.08

6.33 6.69 7.10 7.24
3.58 3.22 2.81 2.67

5.50 5.40 5.18 4.83
3.25 3.35 3.57 3.92

5.45
3.30
8.75 Ht

6.83
4.93

11.76 Ht

5.50 5.40 5.18 5.00 5.35 5.50
3.67 3.77 3.99 4.17 3.82 3.67

5.45
3.72
9.17 Ht

4.79 4.75 4.71 4.67 5.04 5.09 5.14
4.38 4.42 4.46 4.50 4.13 4.08 4.03

5.14 5.09 5.04
4.03 4.08 4.13

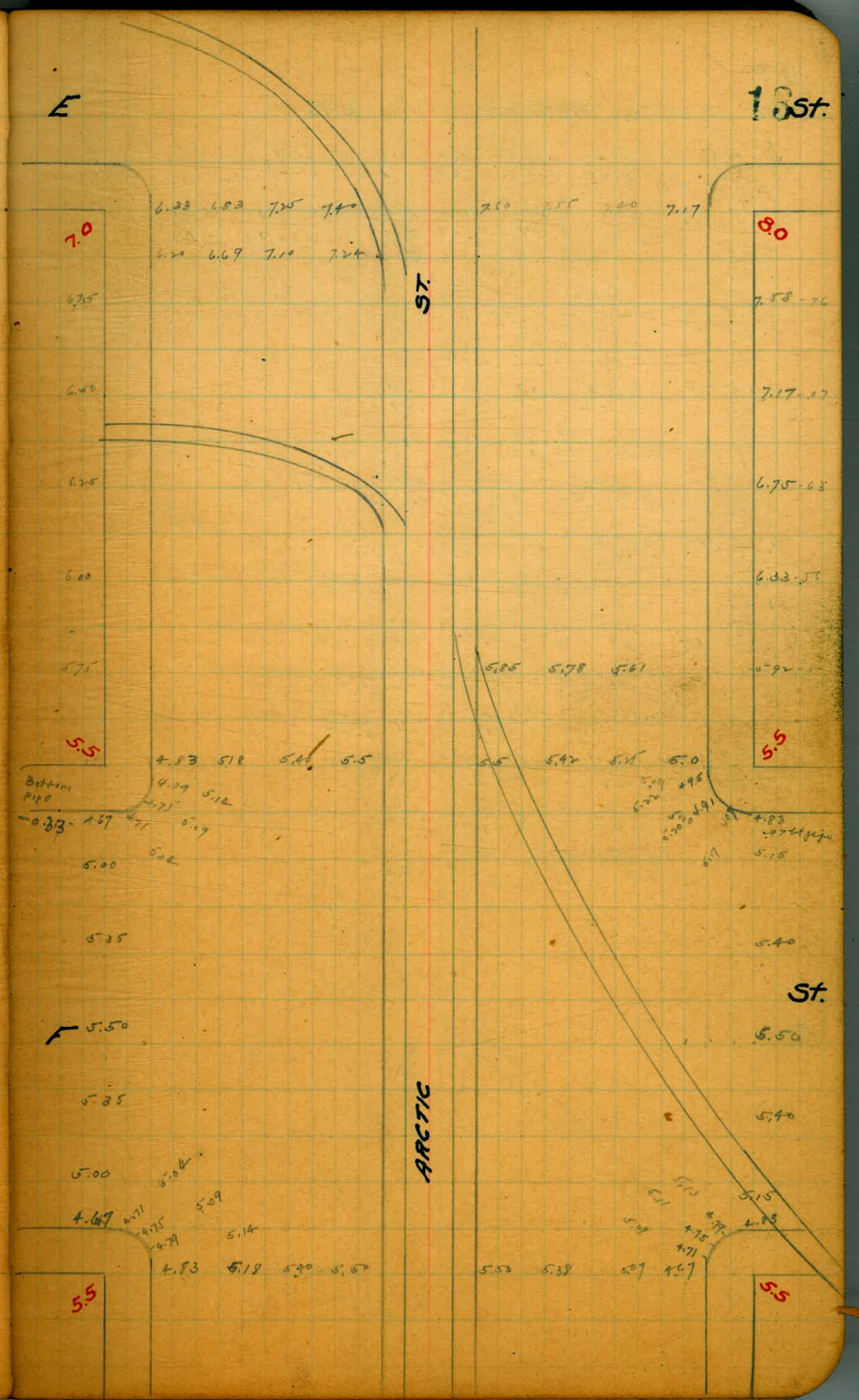
5.45
4.10
9.55 Ht

4.83 4.79 4.75 4.71 5.50 5.38 5.07 4.67
4.72 4.76 4.80 4.84 4.05 4.17 4.48

5.15 5.40 5.50 5.25 5.42 5.50 5.54
4.40 4.15 4.05 4.30 4.13 4.05 4.01

5.15
4.05
9.50 Ht

5.13 4.95 4.91 4.87 5.17 5.10 5.09 4.98
4.42 4.55 4.59 4.63 4.33 4.40 4.41 4.52



B.M. S.W. Cor Arctic & G R.961

5.45 / 3.31 / 8.76 HI 5.50 / 3.26 5.25 / 3.51 5.00 / 3.76 4.75 / 4.01 4.50 / 4.26 4.25 / 4.51 4.00 / 4.76 .37

2.96 / 4.75 / 7.91 HI 3.00 / 4.91 3.42 / 4.49 3.83 / 4.08 4.25 / 3.66 4.67 / 3.24 5.08 / 2.83 5.50 / 2.41 3.50 / 4.64 4.45 / 3.69

2.96 / 5.18 / 8.14 HI 3.60 / 4.54 3.55 / 4.59 3.40 / 4.74 3.17 / 4.97 5.50 / 2.64 5.38 / 2.76 5.07 / 3.07 4.67 / 3.47

3.33 / 4.81 3.47 / 4.67 3.56 / 4.58

8.75 HI 4.23 / 4.52 4.07 / 4.68 3.73 / 5.02 3.28 / 5.47

2.96 / 4.18 / 7.14 HI 2.33 / 4.81 2.37 / 4.77 2.41 / 4.73 2.45 / 4.69 2.50 / 4.64 2.63 / 4.51 2.87 / 4.27 2.72 / 4.42 3.46 / 3.90 3.17 / 4.19

2.96 / 4.56 / 7.52 HI 3.85 / 3.67 3.83 / 3.69 3.20 / 3.49 2.96 / 4.40 / 7.36 HI 8.50 / 1.14 8.73 / 7.36 / 1.37 3.50 / 3.40 -1.45 / 8.81 2.66

7.36 HI 3.83 / 3.53 3.00 / 4.36 3.17 / 4.19 3.42 / 3.94

3.17 / 4.25 3.33 / 4.09 3.29 / 4.13 3.25 / 4.17 3.21 / 4.21 3.17 4.16 / 3.27

2.96 / 4.46 / 7.42 HI 3.47 / 3.95 3.56 / 3.86 3.60 / 3.82 3.76 / 3.66 3.71 / 3.71 3.60 / 3.82

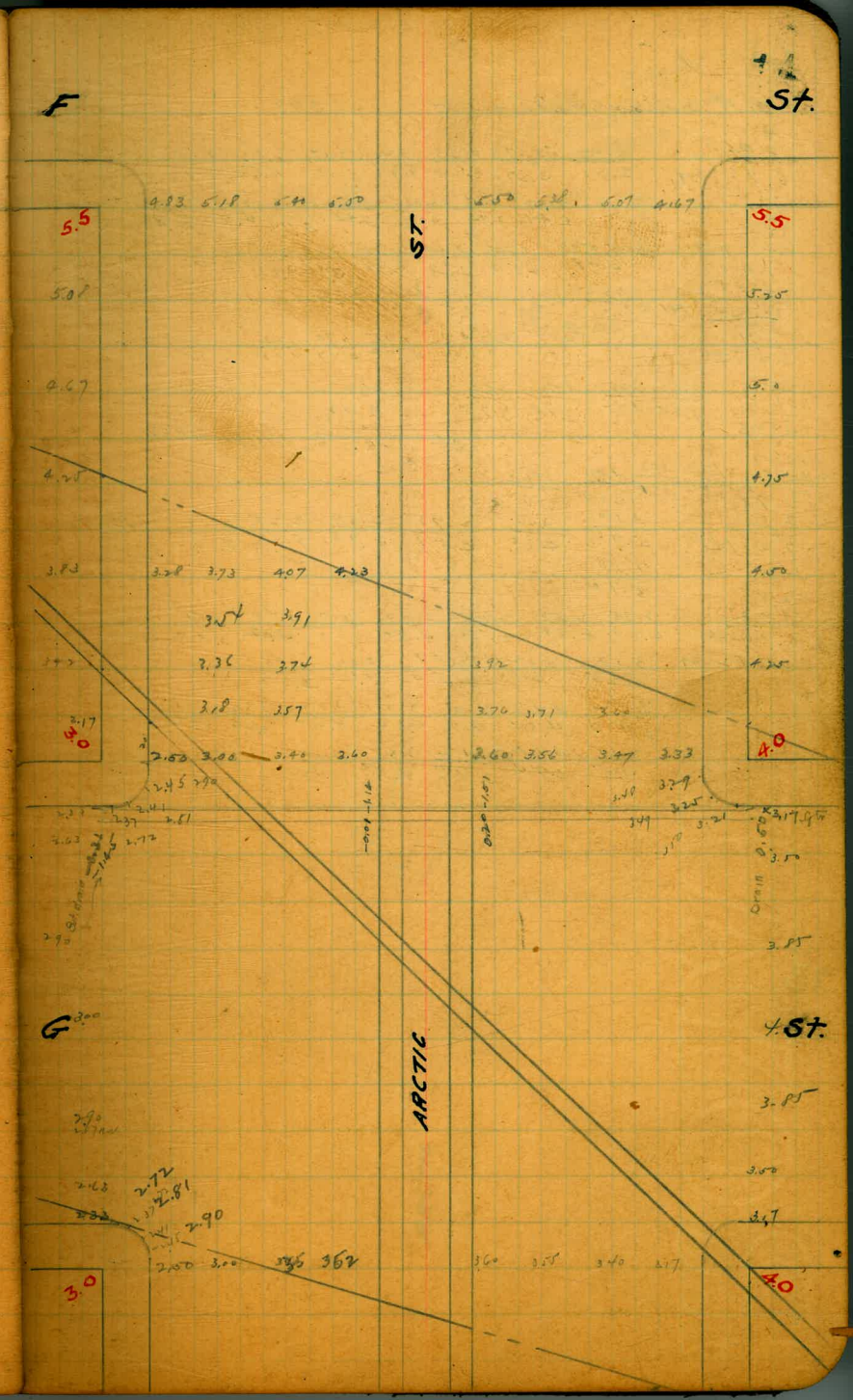
2.90 / 4.52 2.81 / 4.61 2.72 / 4.70 2.90 / 4.52 3.00 / 4.42 2.63 / 4.79

2.50 / 4.92 2.45 / 4.97 2.41 / 5.01 2.37 / 5.05 2.33 / 5.09 4.01 / 4.42

2.96 / 4.47 / 7.43 HI 3.17 / 4.26 3.50 / 3.93 3.85 / 3.58 4.00 / 3.43

4.23 / 3.20 4.07 / 3.36 3.73 / 3.70 3.00 / 4.43 2.90 / 4.53 2.81 / 4.62 2.72 / 4.71

3.91 / 3.52 3.54 / 3.89 3.74 / 3.69 3.36 / 4.07



T.B.M. S.W. Cor Arctic and H 1.397

4.00
2.96
6.96 HI

4.00 3.67 3.33 3.00 2.67 2.33 2.00
2.96 3.29 3.63 3.96 4.37 4.63 4.96

2.96
3.45
6.41 HI

3.60 4.00 3.67 3.33 3.00 2.67 2.33 2.00
3.81 2.41 2.74 3.08 3.41 3.74 4.08 4.41

1.50 1.75 2.00 2.25 2.17 2.75 3.00
4.78 4.53 4.28 4.03 3.78 3.53 3.28

1.40
4.88
6.28 HI

2.25 2.13 2.00 1.90 1.77
3.92 1.8 1.35 1.69 1.53

2.96
3.71
6.67 HI

3.60 3.55 3.50 3.17 1.95 1.90 1.73
3.07 3.12 3.27 3.50 4.72 4.77 4.94

2.96
4.39
7.35 HI

2.50 3.00 3.90 3.60 4.00
4.85 4.35 3.95 3.75 3.44
26
40.16

Ct high S.E.G

140 B.M.
4.41
5.84
2.96
4.30
7.26 HI

1.12 1.53 1.80 1.91
4.72 4.31 4.04 3.93

1.50 2.00 2.75 2.50 2.25 2.00 1.75
5.74 4.26 4.51 4.76 5.01 5.26 5.51

1.50
5.76

2.96
4.02
6.98 HI

2.75 2.50 2.25 2.00 3.17 3.40 3.55 3.60
4.23 4.48 4.73 4.98 1 4.02 3.87 3.82

7.42 HI

3.17 3.02 2.87 3.30 3.40
4.25 4.40 4.55 4.12 3.52

3.52 3.41 3.25 3.10 3.22 3.36 3.41
3.90 4.01 4.17 4.32 4.20 4.06 4.01

3.35 3.48 3.52 3.35 3.00
4.07 3.94 3.90 4.07 4.42

G

Note Grades changed to fit track - Grade changed in tieing

St.

3.0

2.50 2.00 3.35 3.52 3.60

3.52 3.48 3.35 3.17

3.41 3.36 3.22 3.02

3.30 3.25 3.10 2.97

3.15

Brook

4.0

2.75

3.67

2.50

3.33

2.25

3.00

2.00

2.67

1.75

2.33

1.5

1.12 1.53 1.80 1.91

1.20 1.40 1.65 1.75

1.87

1.33

2.0

ST.

H

St.

ARCTIC

41.00
4.20
45.20 Ht

41.17 41.21 41.25 41.29 41.33 41.00 40.91 40.83 40.75
4.02 3.99 3.95 3.91 3.87 4.20 4.29 4.37 4.45

40.00 40.05 40.10 40.05 40.17 40.25 40.33 40.41 40.50
5.20 5.15 5.10 5.03 4.95 4.87 4.79 4.70

41.00
4.21
45.21 Ht

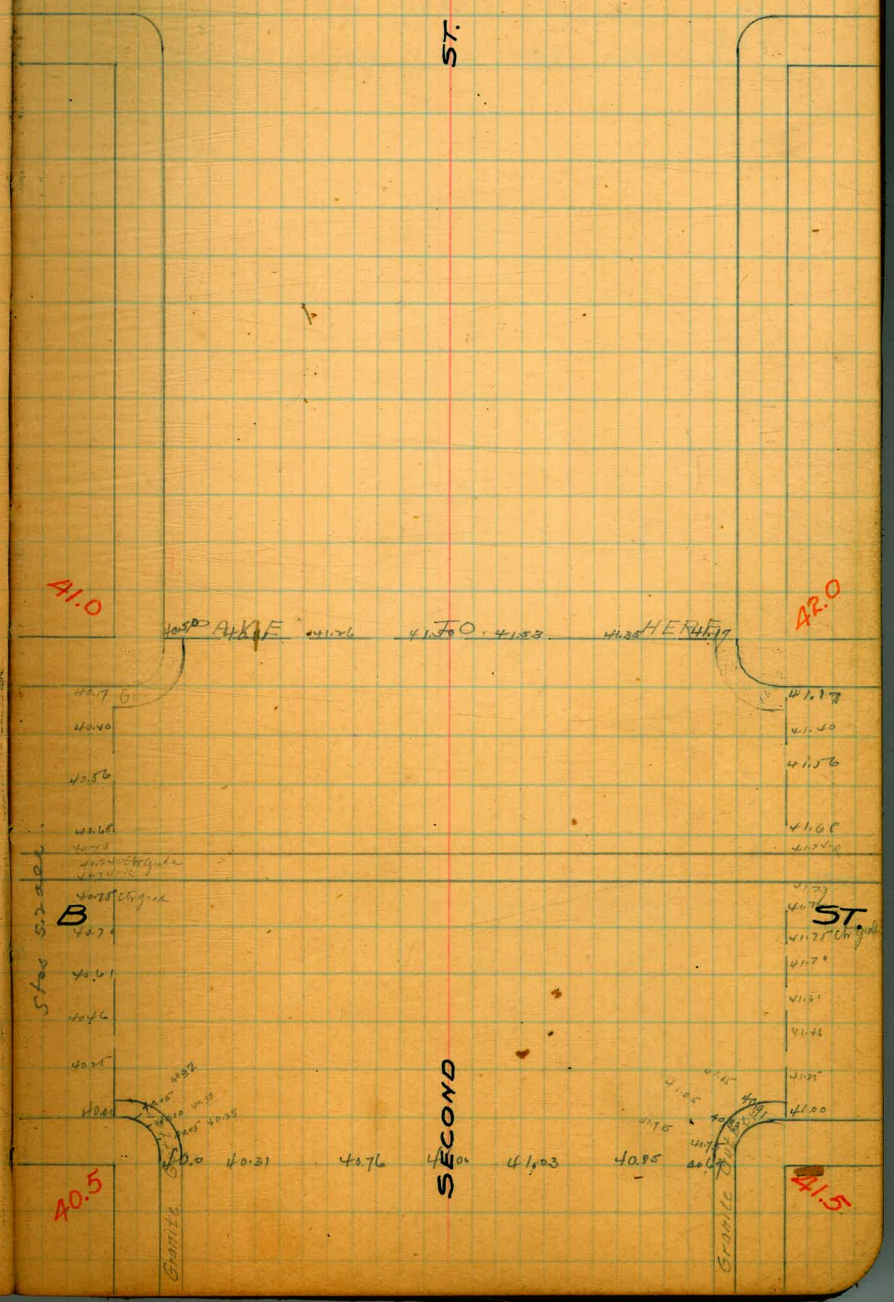
40.81 41.26 41.50 41.53 41.35 2.46 41.25
4.39 3.94 3.70 3.67 3.85 41.74 4.31 45.60

41.25 41.61 41.75 41.15 41.35 40.95 40.35 40.38 40.32
3.96 3.60 3.46 4.06 4.16 4.26 4.86 4.83 4.89

40.25 40.61 40.75 41.02
4.96 4.60 4.46 41.52

41.00
4.60
45.60 Ht.

41.40 41.56 41.68 41.17
4.20 4.04 3.92 4.43



C. N. W 38.43

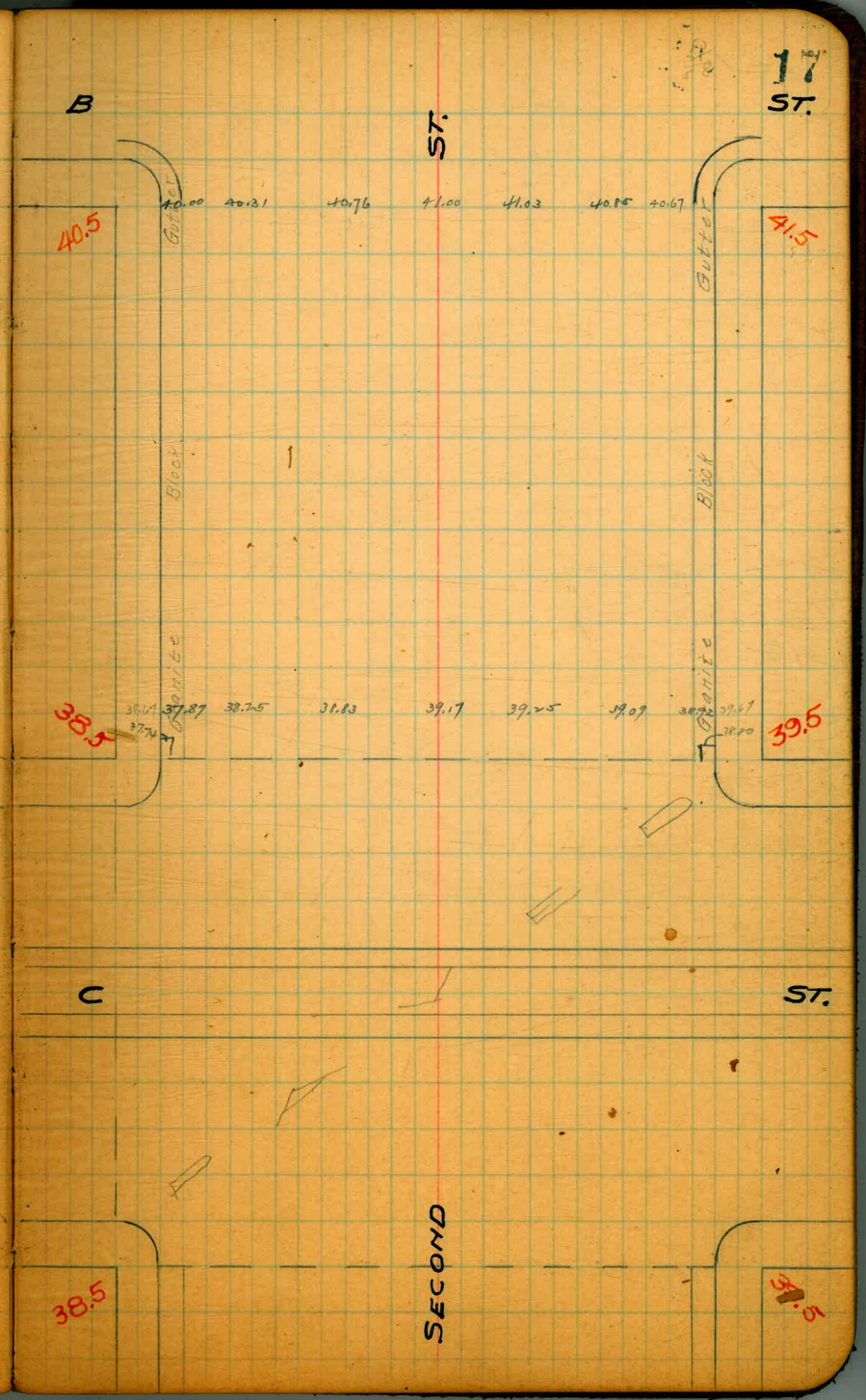
38.43
5.92
44.35 H.T.

6.61 5.55 41.00 40.67 4.87 5.92 41.00
37.74 38.80 4.35 3.68 38.92 37.87 2.79

38.43
5.37
43.88 H.T.

39.25 38.25 38.83 39.17 40.85 41.03 40.76 40.31
4.55 5.55 4.97 4.63 2.95 2.77 3.04 3.49

39.09 3.46
4.97 2



38.43 BM. N.W.C
4.03
42.46 HI
6.90
35.56 T.P
5.93
41.49 HI
38.43
3.88
42.31 HI
38.43
3.66
42.09 HI

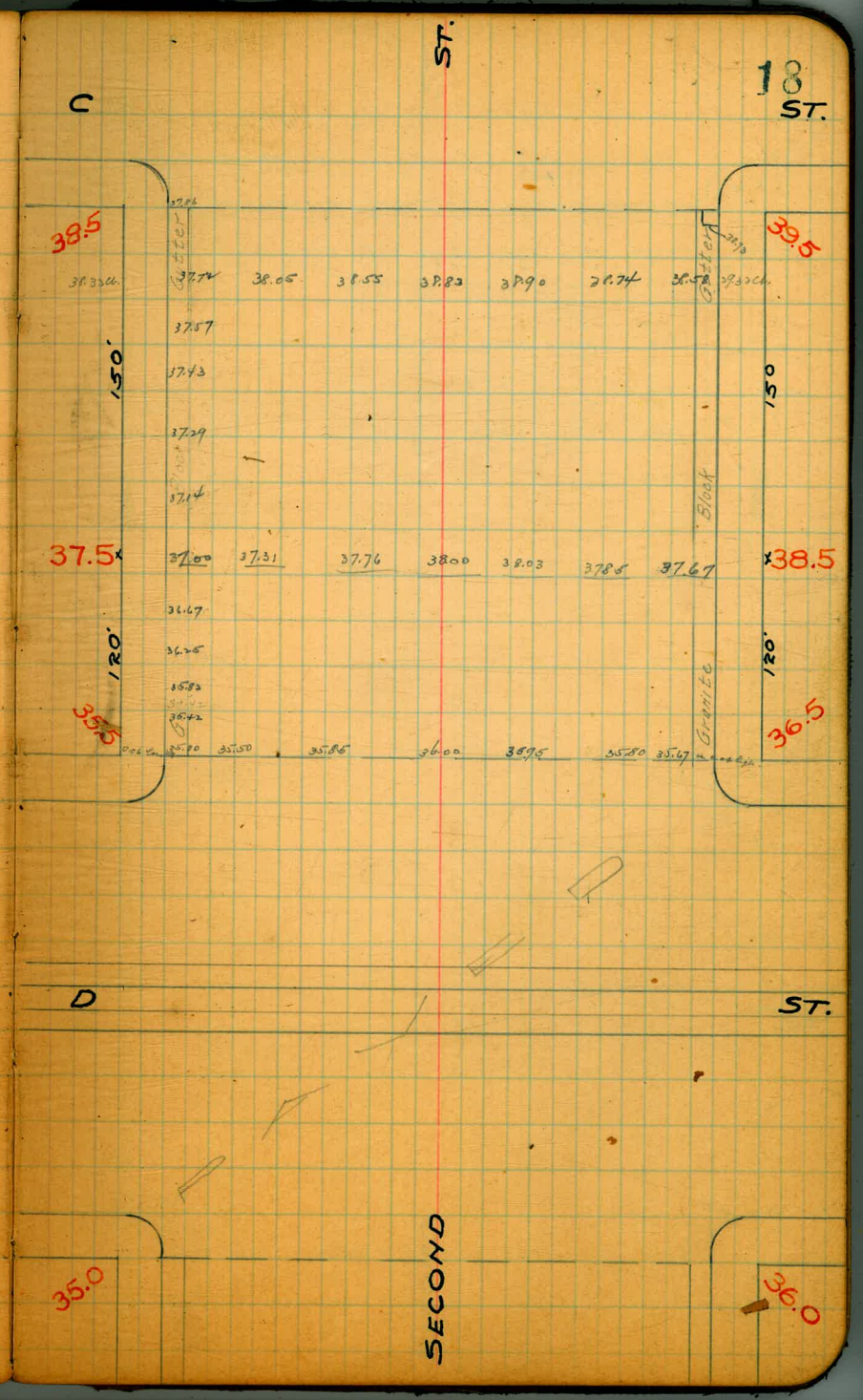
4.60 / 37.86 — 3.73 / 38.73 — 37.72 / 4.74 — 37.57 / 4.89 — 37.43 / 5.03 — 37.29 / 5.17 — 37.14 / 5.32

37.00 / 4.49 — 37.67 / 3.82 — 5.78 / 35.71 — 6.55 / 34.94 — 37.75 / 3.74 — 3.73 / 38.58

38.83 / 3.48 — 38.90 / 3.41 — 38.74 / 3.57 — 37.85 / 4.46 — 38.03 / 4.28 — 38.00 / 4.31 — 35.80 / 6.51

35.95 / 6.36 — 36.00 / 6.31 — 38.83 / 3.48

38.05 / 4.04 — 38.55 / 3.54 — 38.83 / 3.26 — 35.85 / 6.24 — 35.50 / 6.59 — 37.31 / 4.78 — 37.76 / 4.33



E S.W 28.90

28.90
8.22
37.12

30.00 / 7.12 — 20.39 / 6.73 — 30.78 / 6.34 — 31.17 / 5.95 — 31.55 / 5.57 — 31.94 / 5.18 — 32.33 / 4.79 — 32.72 / 4.40 — 33.11 / 4.01 — 33.50 / 3.62 — 33.89 / 3.23

28.90
5.33
34.23 M.

28.68 / 5.55 — 29.21 / 5.02 — 29.50 / 4.73 — 29.55 / 4.68 — 29.36 / 4.87 — 29.28 / 4.95 — 29.40 / 4.83 — 29.45 / 4.78 — 29.50 / 4.73

30.67 / 3.56 — 30.56 / 3.67 — 30.00 / 4.23 — 29.88 / 4.35 — 29.84 / 4.39 — 29.67 / 4.56 — 28.52 / 5.73 — 28.53 / 5.70 — 28.55 / 5.68 — 28.45 / 5.78

28.90
7.43
36.33 M

28.85 / 5.38 — 29.11 / 5.12 — 29.37 / 4.86 — 29.60 / 4.63 — 29.80 / 4.43 — 30.40 / 3.83 — 30.13 / 4.10 — 29.85 / 4.38

30.31 / 3.92 — 30.76 / 3.47 — 31.00 / 3.23 — 31.03 / 3.20 — 30.85 / 3.38

28.90
6.45
35.35 M

1.28 / 35.05 — 56.8 / 30.65

31.90 / 4.10 — 31.00 / 4.35 — 29.60 / 5.75 — 32.41 / 2.94 — 32.58 / 2.77 — 32.58 / 2.77 — 32.32 / 3.03 — 31.90 / 3.45

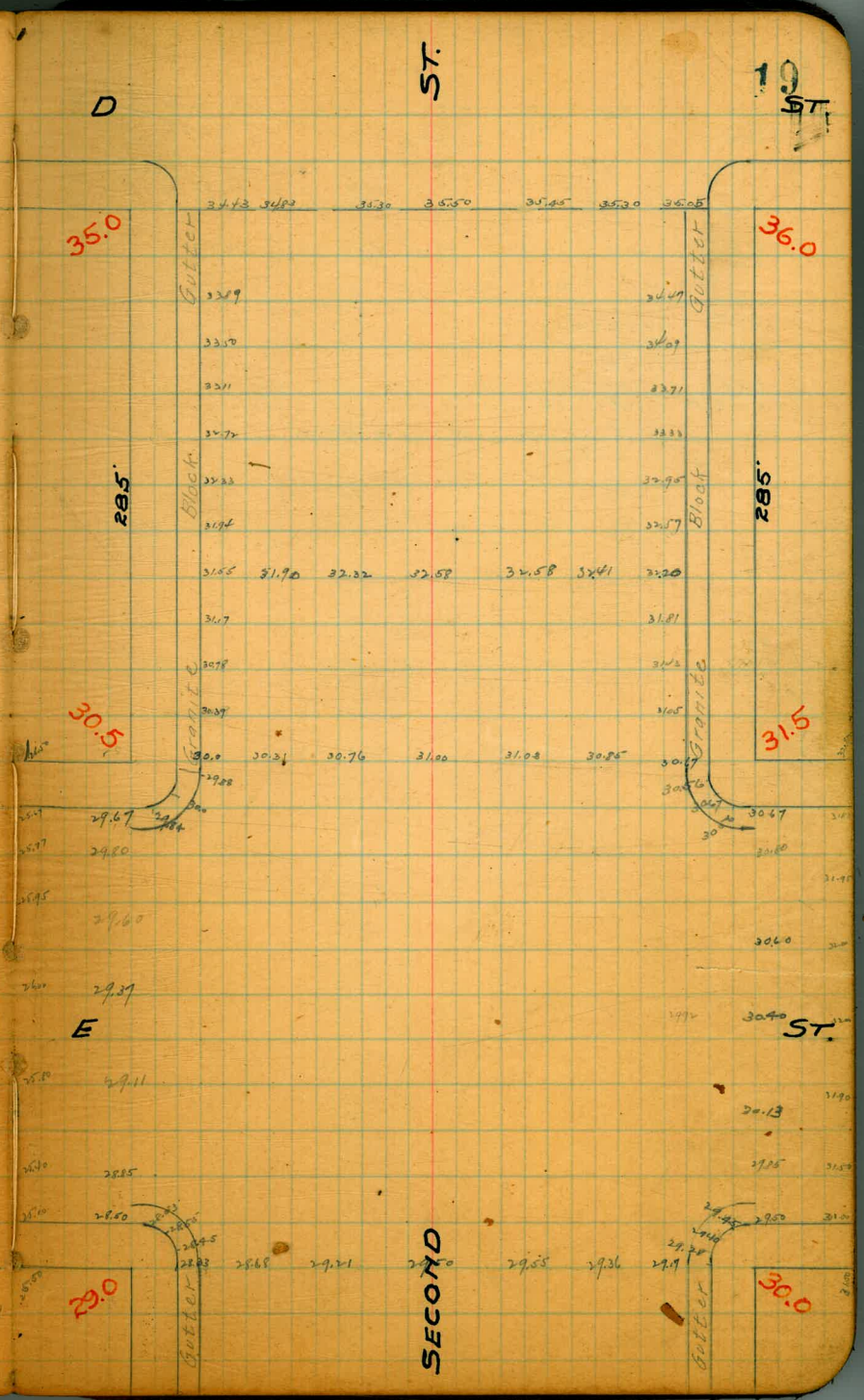
36.00 M. — 32.32 / 3.68 — 32.41 / 3.59 — 32.20 / 3.80 — 32.58 / 3.42

28.90
7.96
36.86 M

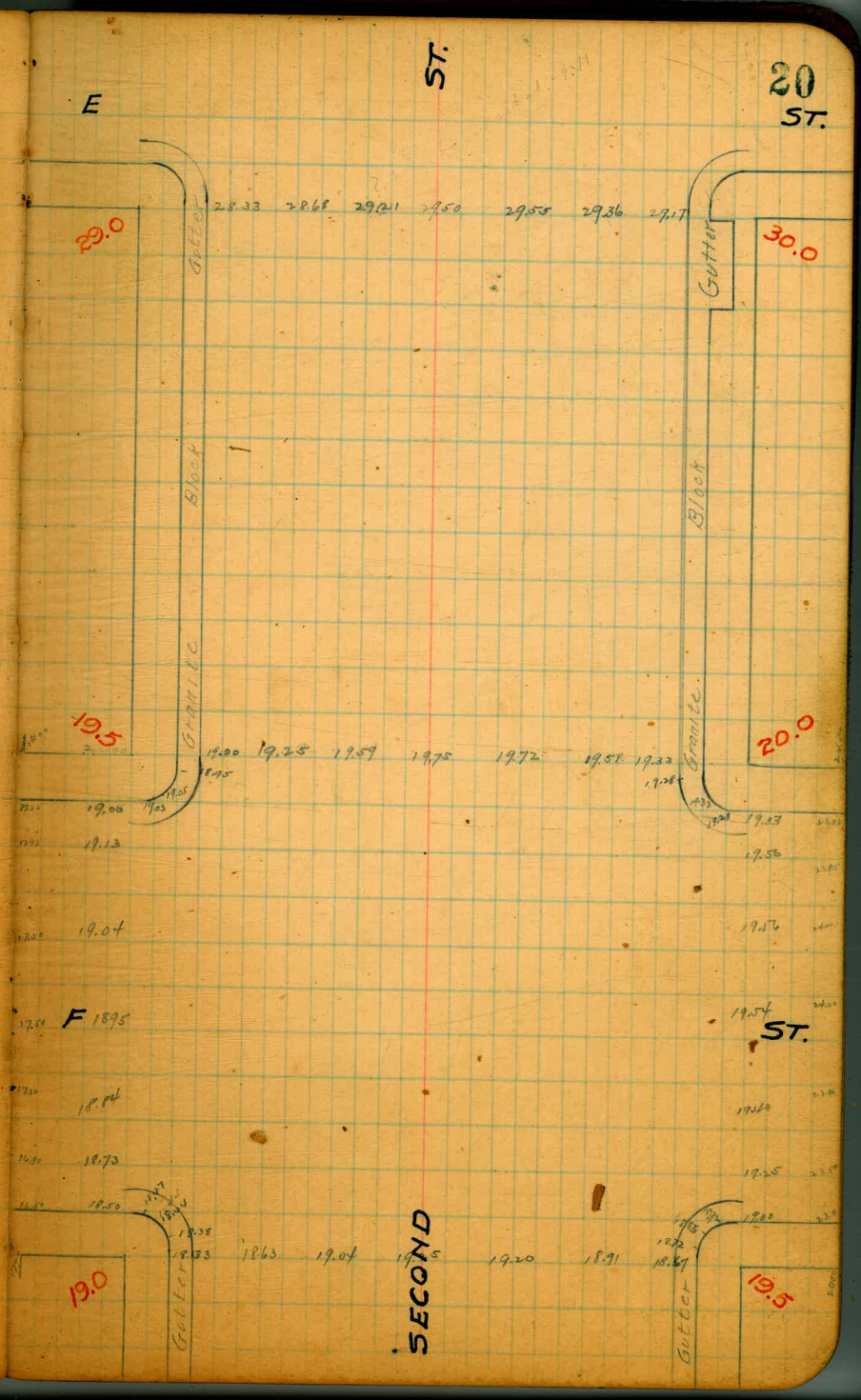
35.30 / 1.56 — 35.45 / 1.41 — 35.50 / 1.36 — 35.30 / 1.56 — 34.83 / 2.03 — 32.41 / 4.45 — 32.58 / 4.28 — 32.32 / 4.54 — 31.90 / 4.96

35.50 / 3.07 — 35.30 / 3.27 — 34.83 / 3.74 — 32.58 / 5.99 — 32.32 / 6.25

3.12
3.45
38.57 M



F S.W. 18.96


20
E
ST.
ST.
29.0
30.0
19.5
20.0
Gutter
Block
Granite
F 1895
ST.
SECOND
19.0
19.5

G. S.W. 13.94

13.94
5.77
19.21 H1

14.33
4.88

13.94
6.39
20.33 H1

14.57
5.76

14.89
5.44

15.00
5.33

18.91
1.42

19.20
1.14

19.25
1.08

19.04
1.29

18.63
1.70

13.94
4.56
18.50 H1

14.25
4.25

14.21
4.29

14.30
4.20

14.26
4.24

14.33
4.17

14.17
4.33

13.50
5.00

13.55
4.95

13.60
4.90

13.40
5.10

13.33
5.17

13.40
5.10

13.44
5.06

13.47
5.03

13.50
5.00

13.82
4.68

14.25
4.25

14.50
4.00

14.55
3.95

13
5.23

14.41
4.09

14.34
4.16

14.53
3.97

14.50
4.00

14.26
4.24

13.81
4.69

13.94
4.58
18.52 H1

13.98
4.54

14.16
4.36

14.25
4.27

14.36
4.16

14.30
4.22

14.06
4.46

13.82
4.70

13.57
4.95

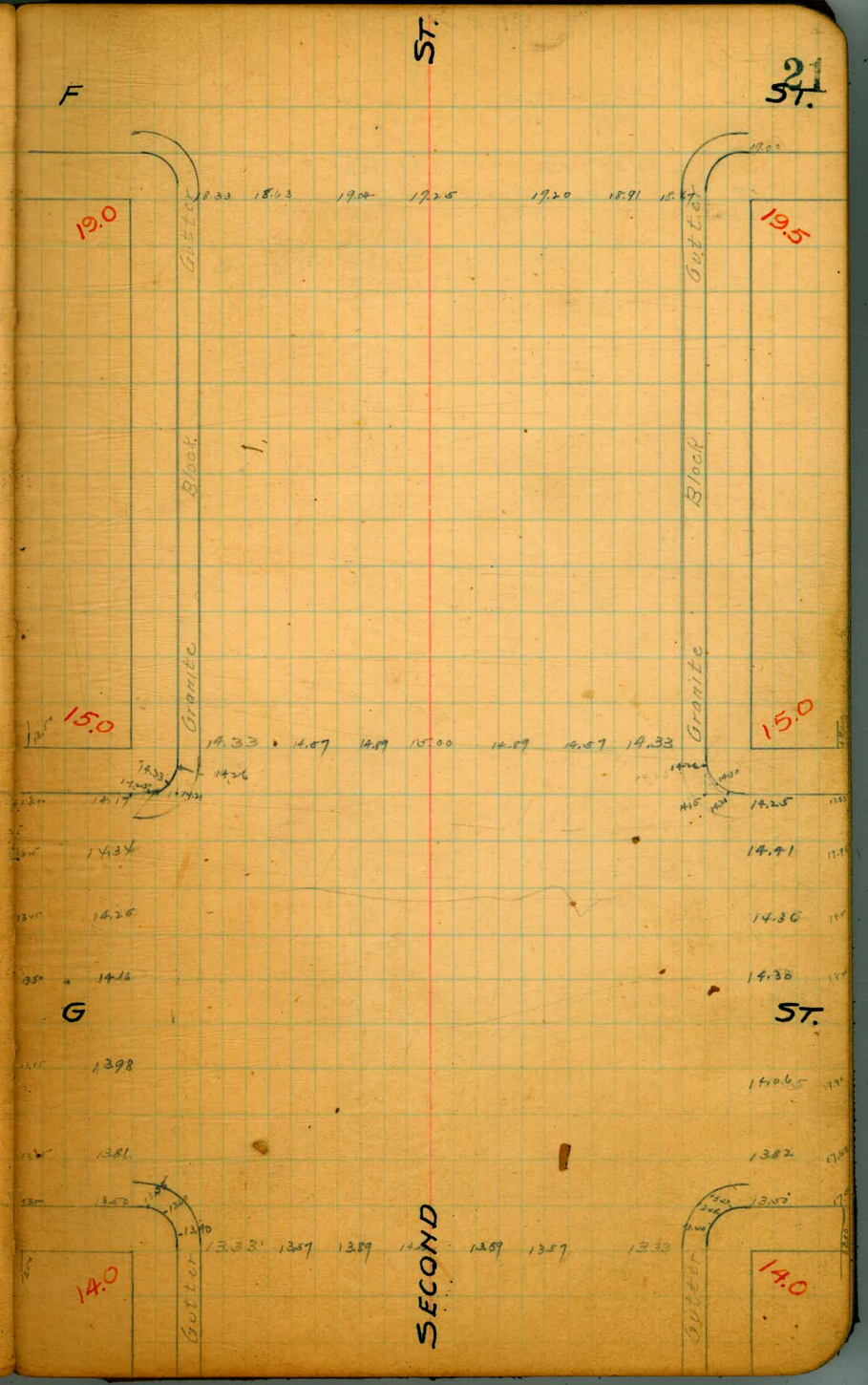
13.94
3.98
17.92 H1

~~4.74~~

~~18.91~~
.01

13.57
4.35

13.82
4.10



G-5 W 13.94

13.94 / 3.06 / 16.99 HI

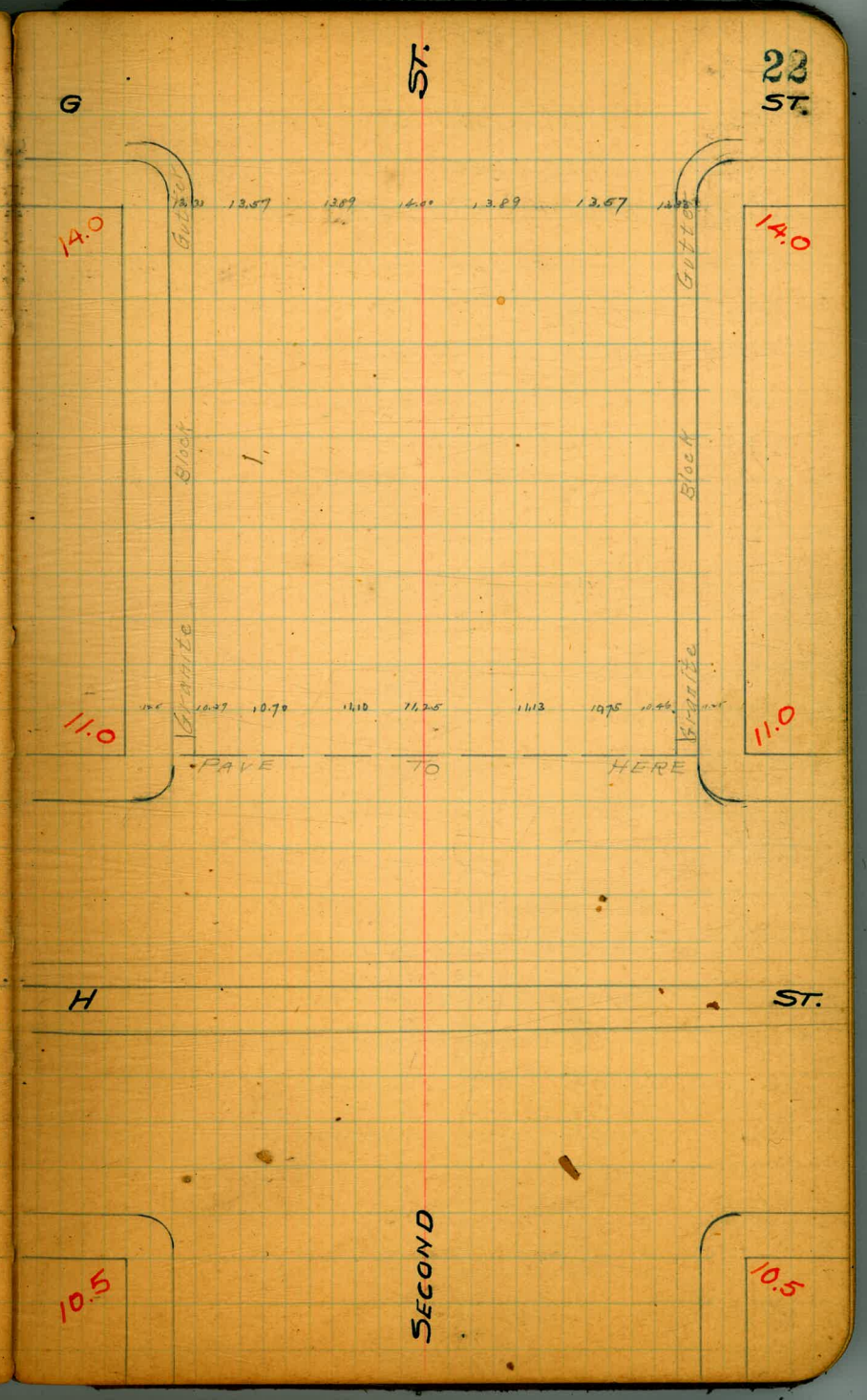
13.33 / 3.66 — 13.57 / 3.42 — 13.89 / 3.11 — 14.00 / 2.99 — 13.53 / 3.46 — 13.60 / 3.39

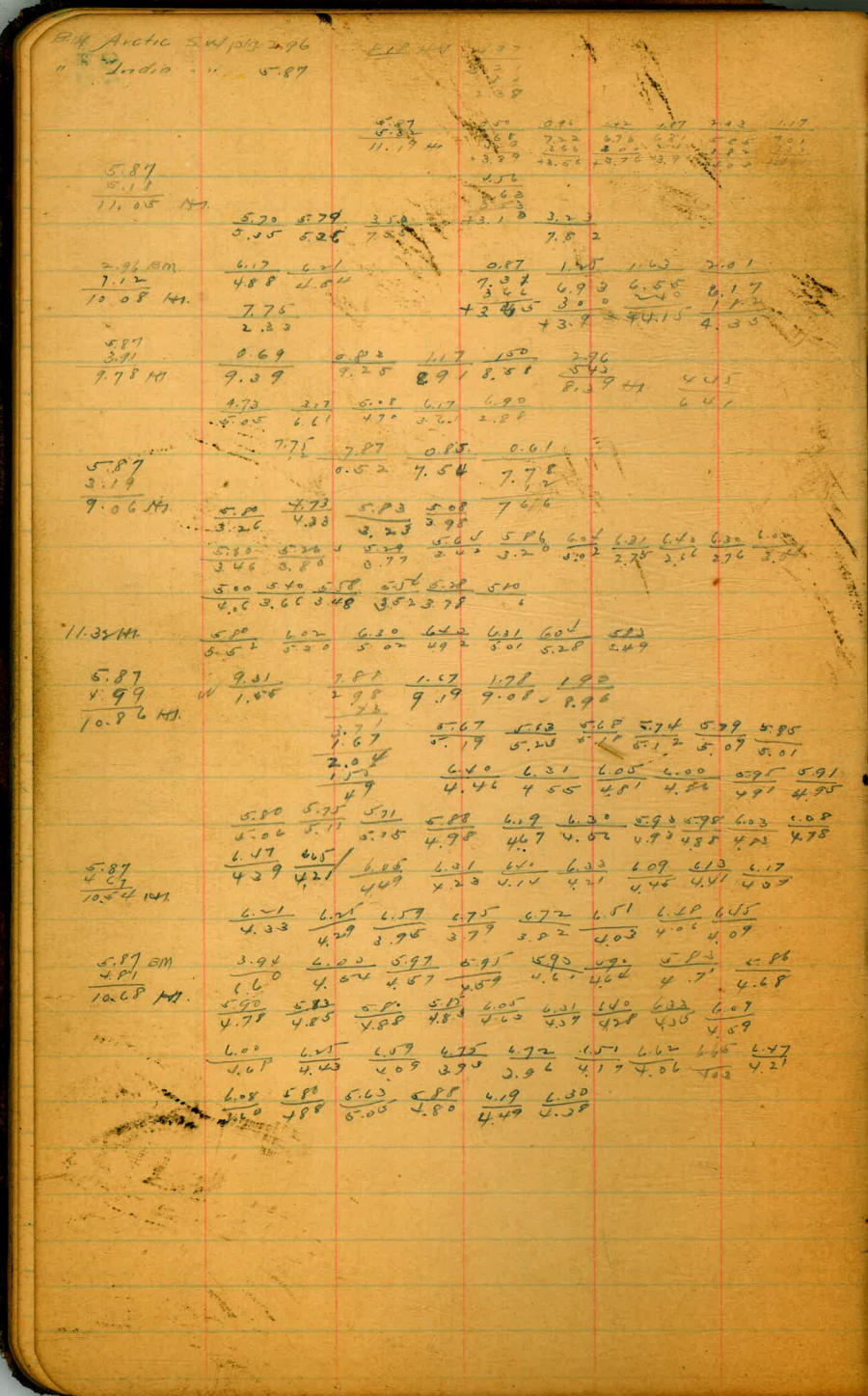
10.70 / 6.29 — 11.03 / 5.89 — 11.35 / 5.57 — 11.13 / 5.86 — 10.75 / 6.24

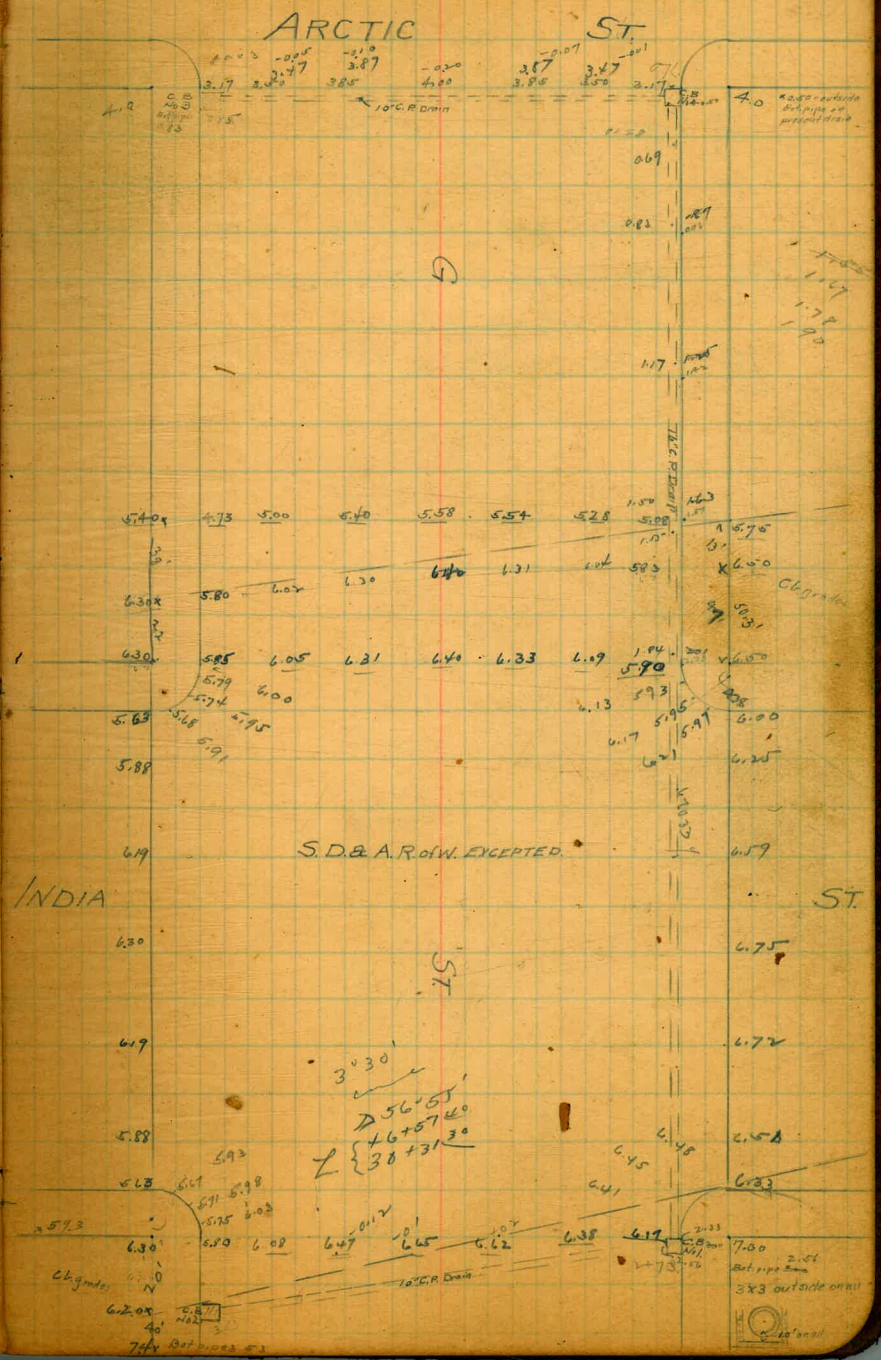
13.94 / 2.71 / 16.65 HI

13.57 / 3.08 — 13.89 / 2.76 — 14.00 / 2.65

10.39 / 10.70 / 5.95 — 11.10 / 5.55 — 11.25 / 5.40 — 11.13 / 5.52 — 10.75 / 5.90




Arctic S.W. plg 2.96
India " 5.87
5.87
5.18
11.05 Ht.
2.96 BM
7.12
10.08 Ht.
5.87
3.91
9.78 Ht.
5.87
3.19
9.06 Ht.
11.32 Ht.
5.87
4.99
10.86 Ht.
5.87
4.67
10.54 Ht.
5.87 BM
4.81
10.68 Ht.


24
ARCTIC ST.
INDIA ST.
S.D.& A.R. of W. EXCEPTED.
10" C.P. Drain
Cl. grades
3x3 outside on nail

Columbia S.W. pl. 9.35

9.35
5.76
15.11 Hr

9.00 / 6.11 — 9.17 / 5.94 — 10.17 / 4.94 — 10.50 / 5.11

9.35
2.31
11.66 Hr

9.25 / 2.41 — 9.61 / 2.05 — 9.75 / 1.91 — 9.68 / 1.98 — 9.40 / 2.26

7.30 / 4.36 — 7.58 / 4.08 — 7.65 / 4.01 — 7.51 / 4.15 — 7.15 / 4.51 — 6.02 / 5.64 — 6.49 / 5.17 — 6.75 / 4.91 — 6.80 / 4.86 — 6.64 / 5.02

9.35
5.27
14.62

9.00 / 5.62 — 9.05 / 5.57 — 9.10 / 5.52 — 9.67 / 4.95 — 9.75 / 4.87 — 9.83 / 4.79 — 9.91 / 4.71 — 10.0 / 4.62 — 10.10 / 4.52 — 10.17 / 4.45

9.50 / 5.12 — 9.43 / 5.19 — 9.34 / 5.28 — 9.24 / 5.38 — 9.75 / 4.87 — 9.30 / 5.32

10.35 / 4.27 — 10.25 / 4.37 — 10.14 / 4.48 — 9.98 / 4.64 — 9.81 / 4.81 — 9.76 / 4.86

10.25 / 4.37 — 10.61 / 4.01 — 10.75 / 3.87 — 10.68 / 3.94 — 10.40 / 4.22

9.31 / 5.31 — 9.37 / 5.25 — 9.34 / 5.28 — 9.30 / 5.32 — 9.76 / 4.86 — 10.0 / 4.62 — 10.03 / 4.59 — 9.85 / 4.77 — 9.95 / 4.67 — 10.05 / 4.57 — 10.15 / 4.47

5.87
5.45
11.32 Hr

6.21 / 5.11 — 6.25 / 5.07 — 6.29 / 5.03 — 6.33 / 4.99 — 5.71 / 5.61 — 6.03 / 5.29 — 6.48 / 4.84 — 6.67 / 4.65 — 6.62 / 4.70 — 6.38 / 4.94

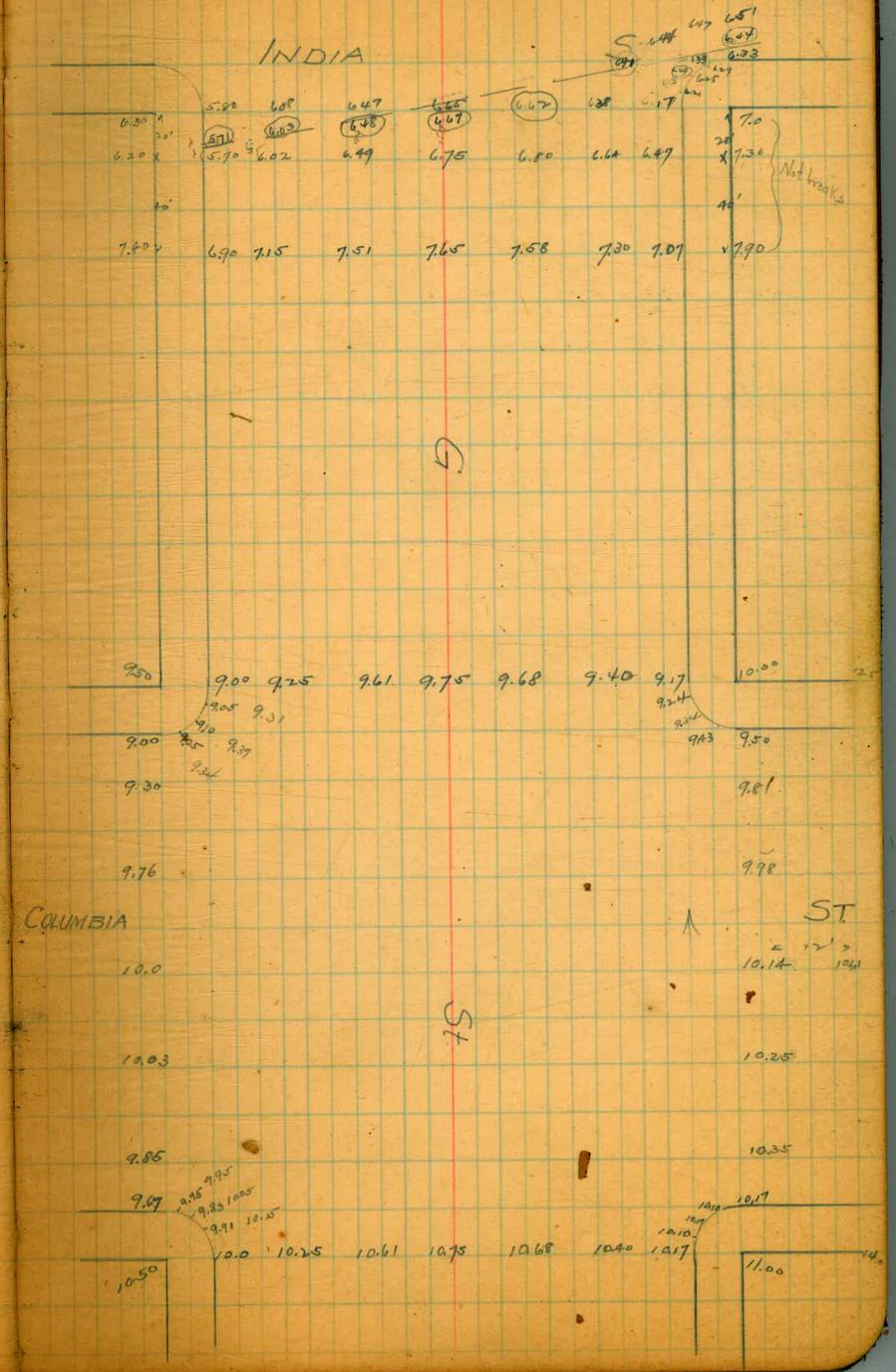
6.41 / 4.91 — 6.29 / 5.03 — 6.33 / 4.99 — 6.44 / 4.88

9.35
4.95
14.30 Hr

9.25 / 5.05 — 9.31 / 4.99 — 9.37 / 4.93 — 9.76 / 4.54 — 10.68 / 3.62 — 10.14 / 4.16 — 9.98 / 4.32

10.25 / 4.52

9.35
5.42
14.77 Hr



State 1349 SW plg

1349 / 5.02 / 18.51 Ht

1500 / 3.51

1349 / 5.46 / 18.95 Ht

4.50

13.00 / 5.95 — 13.67 / 5.28 — 13.50 / 5.45

13.49 / 2.83 / 16.32 Ht

13.31 / 3.01 — 13.76 / 2.56 — 14.00 / 2.32 — 14.03 / 2.29 — 13.85 / 2.47

10.25 / 6.07 — 10.61 / 5.71 — 10.75 / 5.57 — 10.68 / 5.64 — 10.40 / 5.92

3.23 / 14.74

13.49 / 4.48 / 17.97 Ht

13.05 / 4.92 — 13.10 / 4.87 — 13.17 / 4.80 — 13.24 / 4.73 — 13.36 / 4.61 — 13.43 / 4.54 — 13.50 / 4.47 — 14.17 / 3.80 — 14.10 / 3.87

14.00 / 3.97 — 13.91 / 4.06 — 13.83 / 4.14 — 13.75 / 4.22 — 13.67 / 4.30 — 14.26 / 3.71 — 14.61 / 3.36 — 14.75 / 3.22

13.49 / 4.82 / 18.31

13.26 / 4.71 — 13.61 / 4.36 — 13.75 / 4.22 — 13.75 / 4.58 — 65 / 68 — 55 / 14.78

13.33 / 4.98 — 13.35 / 4.96 — 13.30 / 5.01 — 13.61 / 4.70 — 13.75 / 4.56 — 13.76 / 4.55 — 13.95 / 4.36 — 14.06 / 4.25 — 14.16 / 4.15

13.49 / 4.84 / 18.33 Ht

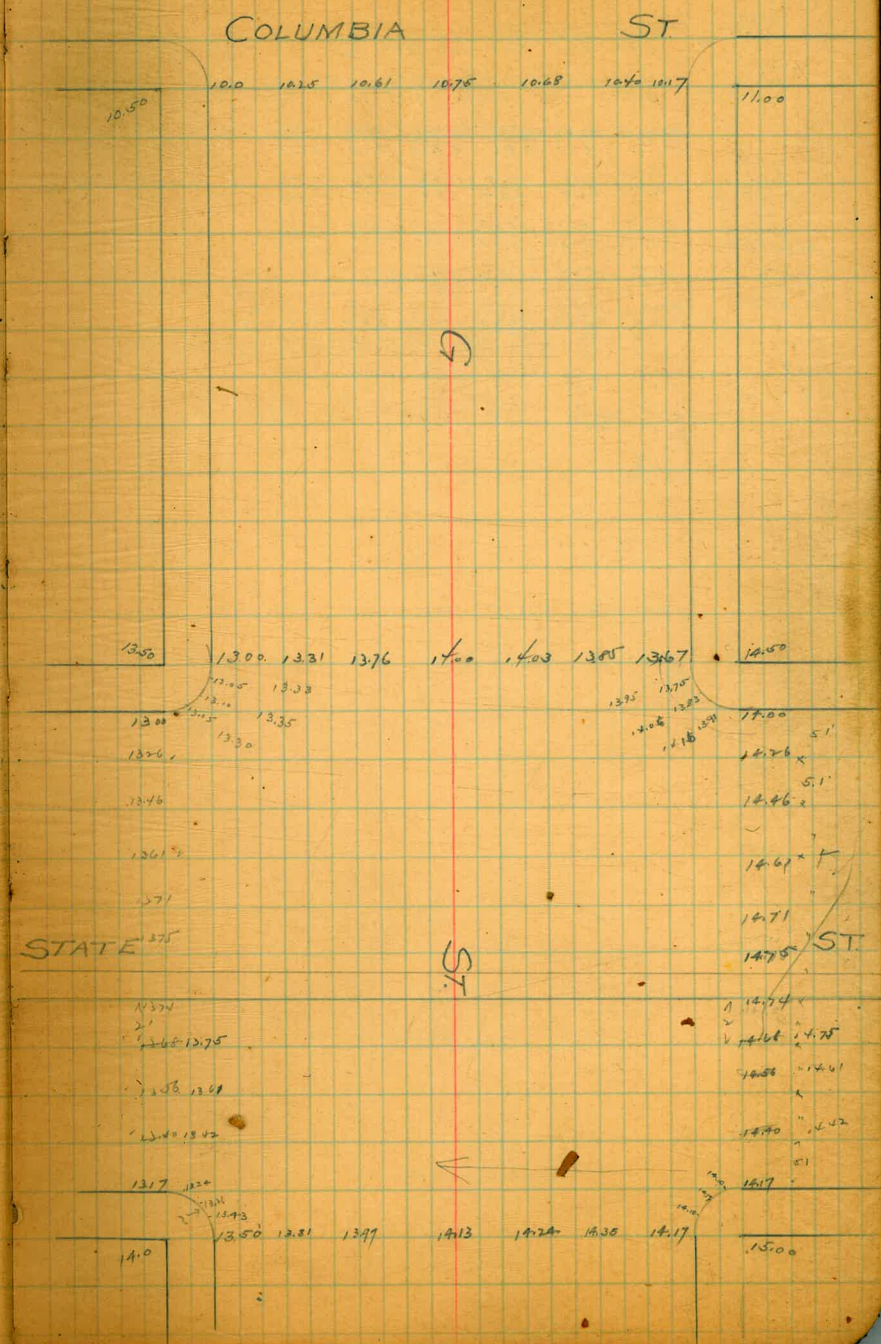
13.68 / 4.65 — 13.75 / 4.58 — 13.61 / 4.72 — 13.42 / 4.91 — 13.81 / 4.52 — 13.97 / 4.36 — 14.13 / 4.20 — 14.24 / 4.09 — 14.35 / 3.98

14.42 / 3.91 — 14.61 / 3.72 — 14.75 / 3.58 — 13.75 / 4.14 — 14.00 / 3.83 — 14.16 / 3.73 — 14.03 / 3.86

13.49 / 4.40 / 17.89 Ht

13.49 / 4.46 / 17.95 Ht

13.75 / 4.20 — 13.61 / 4.34 — 13.42 / 4.53



Union S.W. plg 15.51

15.51
5.65
21.16 Ht

15.00
6.16

15.67
5.49

16.17
4.99

15.50
5.66

15.51
3.65
19.16 Ht

15.67 15.48 15.29 15.11 14.92 14.73 14.54 14.36 14.17
3.49 3.68 3.87 4.05 4.24 4.43 4.62 4.80 4.99

15.51
3.63
19.14 Ht

15.31 15.44 15.58 15.76 15.85 15.35 14.24 14.13 13.97
3.83 3.70 3.56 3.38 3.29 4.79 4.90 5.01 5.17

13.81 15.22 15.67 15.91 15.94 15.76
5.32 4.21 3.76 3.52 3.49 3.67

15.51
3.92
19.43 Ht

13.90 14.35 14.59 14.62 14.44 15.58
5.53 5.08 4.84 4.81 4.99 3.85

15.51
4.80
20.31 Ht

16.17 15.00 15.05 15.10 14.89 14.83
4.14 5.09 5.04 4.99 5.20 5.26

4.58
15.51
20.09 Ht

15.17 15.24 15.33 15.41 15.50 15.67 15.71 15.75 15.61
4.92 4.85 4.76 4.68 4.59 4.42 4.38 4.34 4.48

16.74 15.80 15.76 15.83 16.17 15.74 16.10
3.35 4.29 4.33 4.26 3.92 4.35 3.99

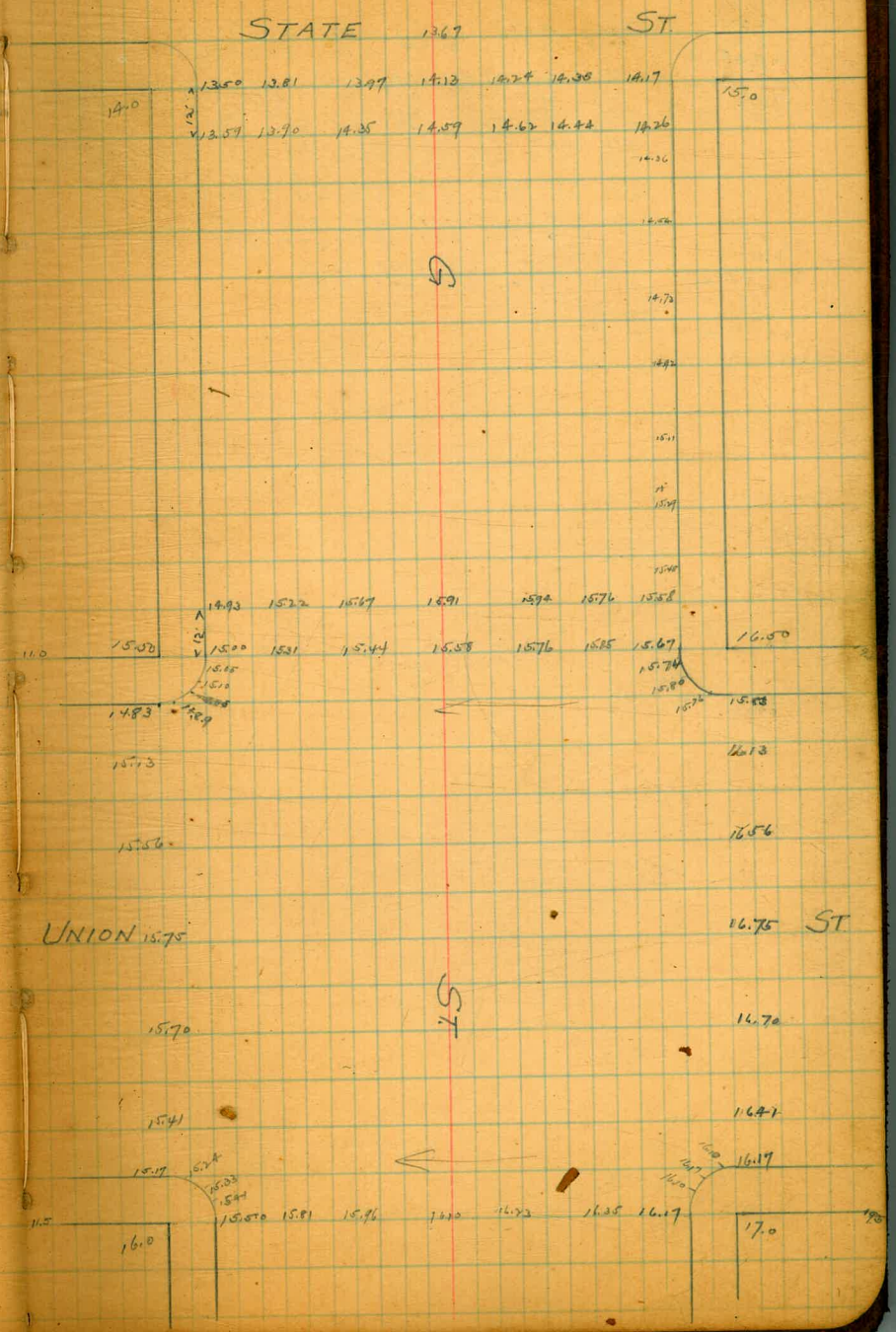
16.13 16.56 16.75 16.70 16.41 16.35 16.24 16.10 15.96 15.81
3.96 3.53 3.34 3.39 3.68 3.74 3.86 3.99 4.13 4.28

15.51
4.39
19.90 Ht

15.41 15.70 15.75 15.56 15.13 15.58
4.68 4.39 4.34 4.53 4.96 4.51

15.13 15.56 15.75 15.41 15.81 15.85 16.25
4.77 4.34 4.15 4.49 4.09 4.05 3.65

15.86
4.04



Front S.W. plg 16.43

16.43 / 5.42 / 21.85 M.T. — 16.00 / 5.85 — 16.67 / 5.18 — 16.67 / 5.18 — 16.00 / 5.85

15.51 / 16.43 / 4.96 / 20.47 M.T.

16.38 / 4.09 — 16.56 / 3.91 — 16.53 / 3.94 — 16.29 / 4.18 — 15.84 / 4.63 — 15.96 / 4.51

16.43 B.M. / 4.43 / 20.86 M.T.

16.31 / 4.16 — 16.51 / 3.96 — 16.71 / 3.76 — 16.78 / 3.69 — 16.85 / 3.62 — 16.82 / 3.65 — 17.00 / 3.47 — 16.97 / 3.50 — 16.73 / 3.74 — 16.28 / 4.19

16.00 / 4.86 — 16.05 / 4.81 — 16.10 / 4.76 — 16.06 / 4.80 — 16.00 / 4.86 — 15.83 / 5.03 — 15.90 / 4.96

15.83 / 5.03 — 15.87 / 4.99 — 15.91 / 4.95 — 15.95 / 4.91 — 16.00 / 4.86 — 16.67 / 4.19 — 16.71 / 4.15 — 16.75 / 4.11 — 16.79 / 4.07 — 16.83 / 4.03

16.83 / 4.03 — 16.76 / 4.10 — 16.83 / 4.03 — 16.75 / 4.11 — 16.67 / 4.19 — 16.08 / 4.78 — 16.39 / 4.47 — 16.50 / 4.36

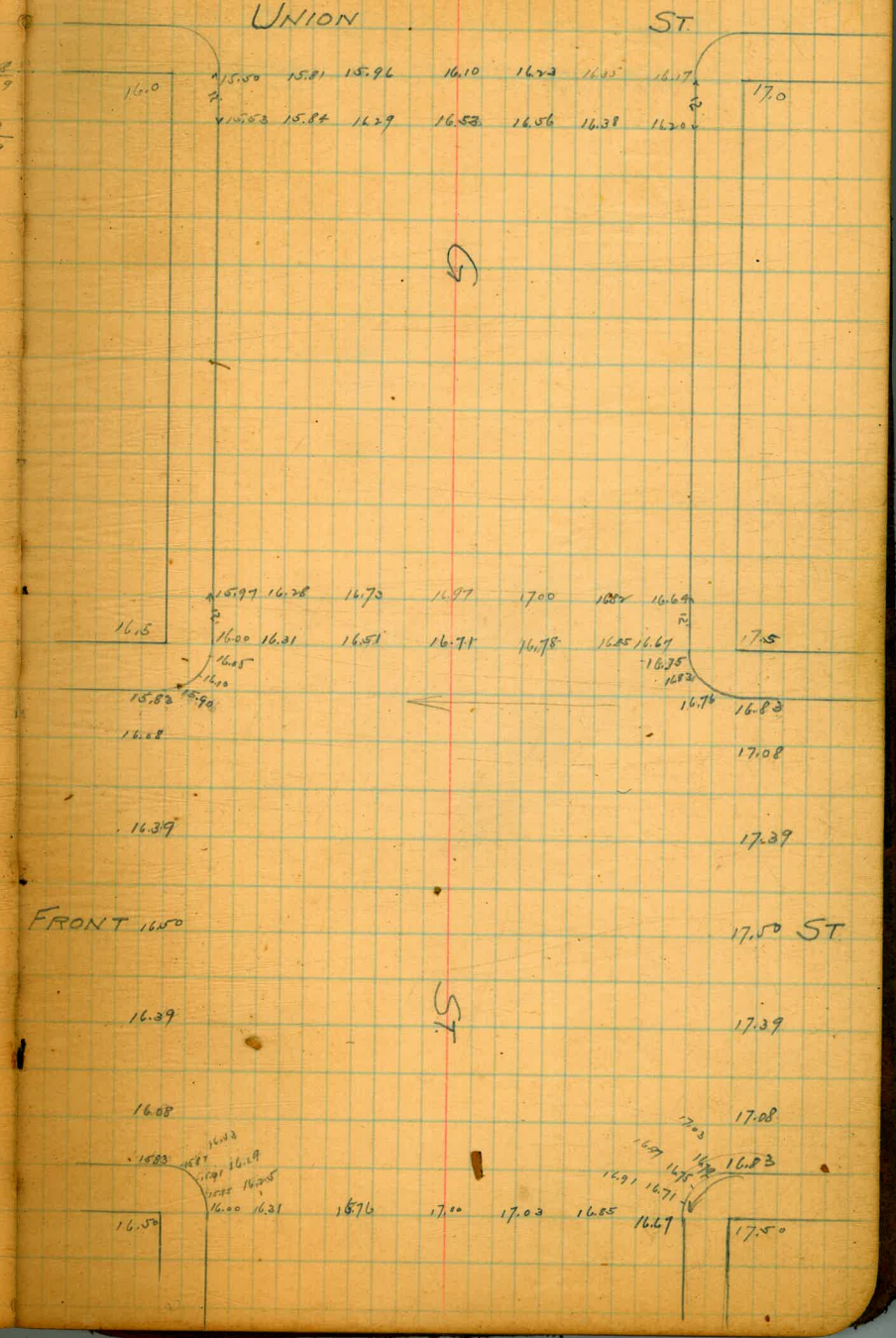
16.13 / 4.73 — 16.19 / 4.67 — 16.25 / 4.61 — 16.91 / 3.95 — 16.97 / 3.89 — 17.03 / 3.83 — 17.08 / 3.78 — 17.39 / 3.47 — 17.50 / 3.36

16.43 / 4.46 / 20.89 M.T.

16.39 / 4.50 — 16.50 / 4.39 — 17.08 / 3.81 — 17.39 / 3.50 — 17.50 / 3.39

16.43 / 4.09 / 20.52 M.T.

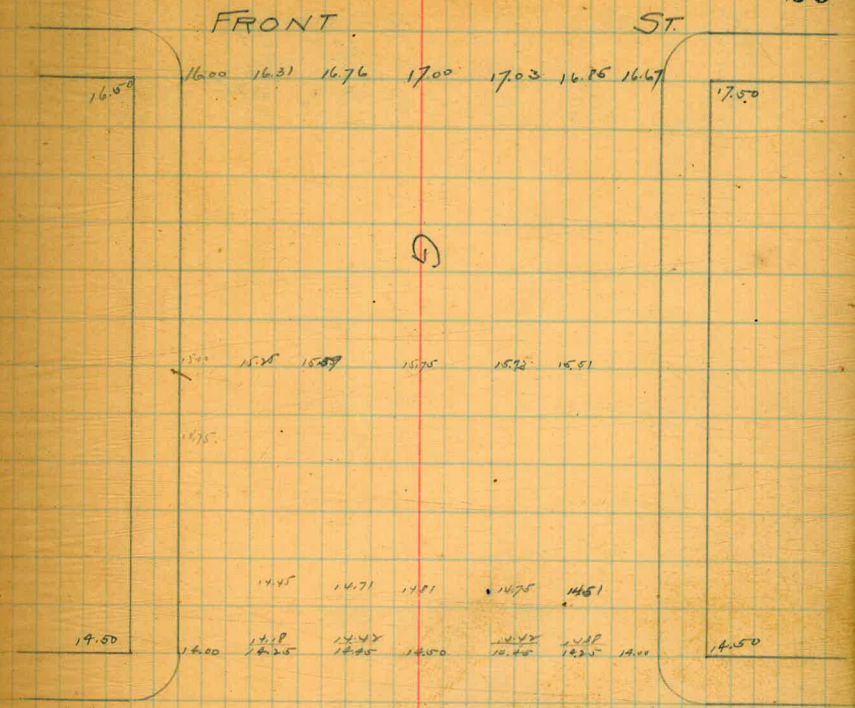
16.39 / 4.13

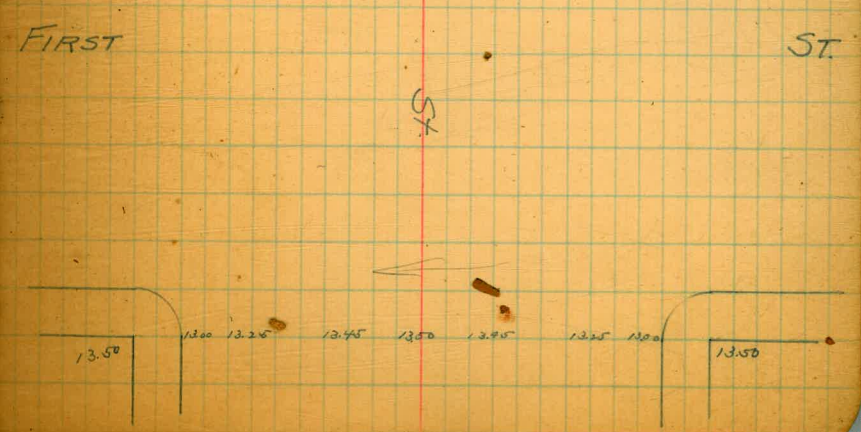


1st S.W. 14.47 plg.

14.47
5.16
19.63

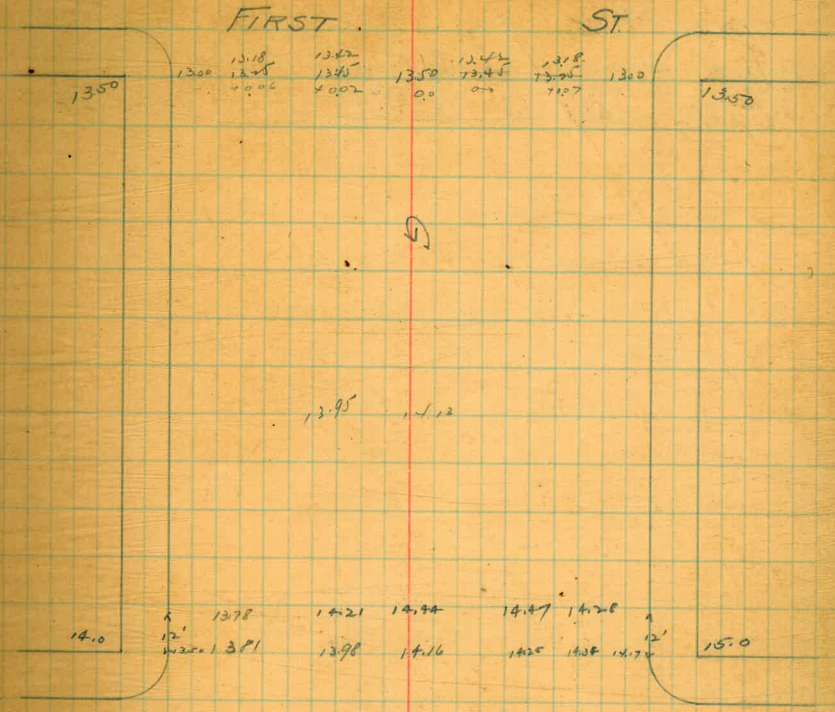
16.31	16.76	17.00	17.03	16.85	15.51	15.73	15.75	
3.32	2.87	2.63	2.60	2.78	4.12	3.90	3.88	
15.57	15.25	14.45	14.71	14.81	14.75	14.51	15.00	14.75
4.04	4.38	5.18	4.92	4.82	4.88	5.12	4.63	4.88

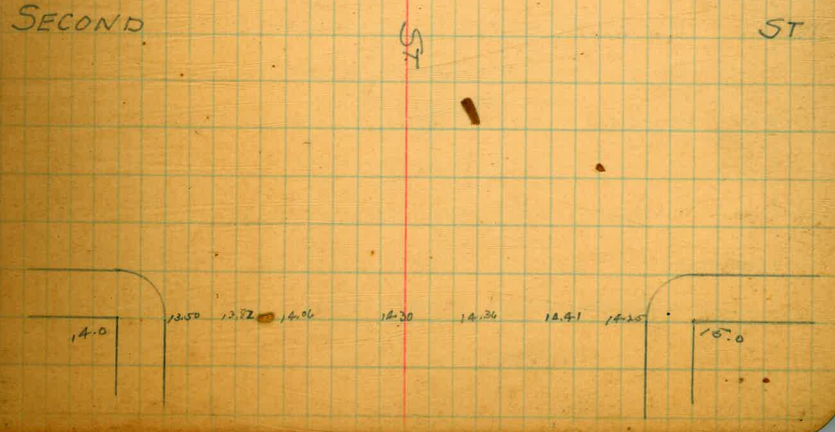




2d. SW 13.94 pig.

13.94	13.78	14.21	14.44	14.47	14.28		
4.04	4.20	3.77	3.54	3.51	3.70		
17.98 Ma							
	4.73	4.56	4.48	4.54	4.74		
	13.25	13.42	13.50	13.44	13.24		
13.94	13.78	14.21	14.44	14.47	14.28	14.38	14.25
4.20	4.36	3.93	3.70	3.69	3.86	3.76	3.89
18.14 Ma							





3d SW 17.48 plg

13.94
6.54
20.48 HI

14.[illegible]
6.48

14.87
5.61

15.75
4.73

16.62
3.86

17.50
2.98

13.94
6.57
20.51 HI

6.99
13.56

6.25
14.26

2.64
17.87

3.48
7.03

13.94
5.49
19.43 HI

14.03
5.40

14.47
4.96

14.71
4.72

14.77
4.66

14.62
4.81

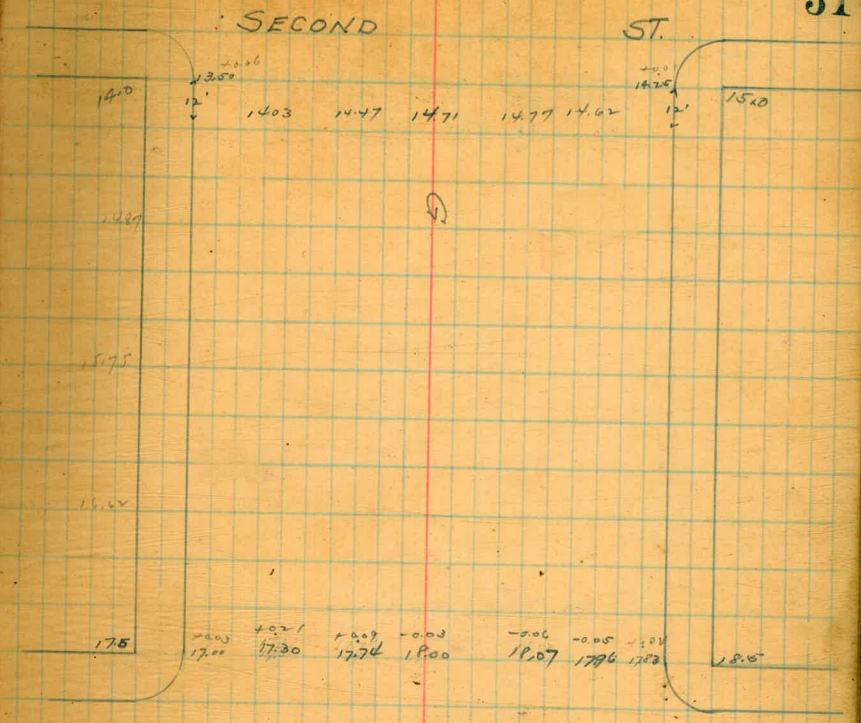
17.96
1.47

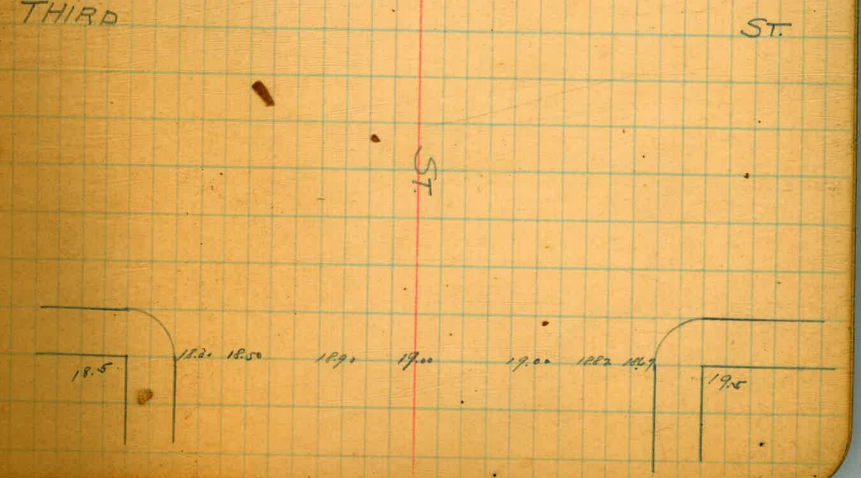
18.07
1.36

18.00
1.43

17.74
1.69

17.30
2.13





4th 21.95 S.W. pls.

21.95	21.29	21.96	5.42	6.05	
2.11	2.77	2.10	18.64	18.01	
24.06 H					

21.95	21.60	22.05	22.29	22.32	22.14
2.61	2.96	2.51	2.27	2.24	2.42
24.56 H					

6.09	5.72	5.60	5.58	5.73
18.49	18.84	18.96	18.98	18.83

THIRD ST.

18.5	18.00	18.31	18.76	19.00	19.03	18.85	18.67	19.5
	+0.01	+0.16	+0.08	−0.04	−0.05	−0.02	−0.03	

G

21.79	21.29	21.60	22.05	22.29	22.32	22.14	21.96	22.79
22.0								23.0

Try this x section

FOURTH ST.

St

35.50 BM. N.W. 7th & G

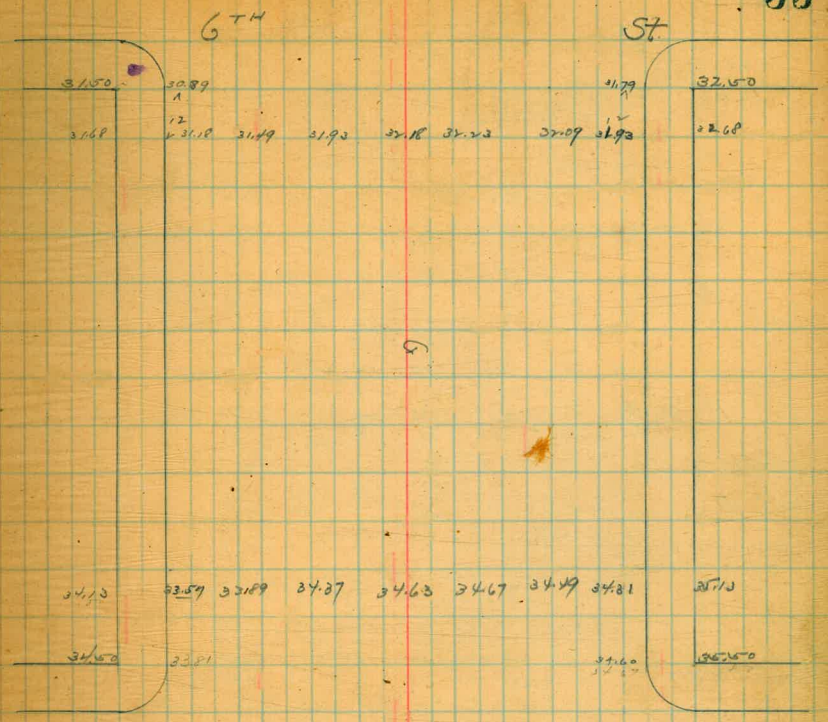
35.50
2.97
38.47 HT

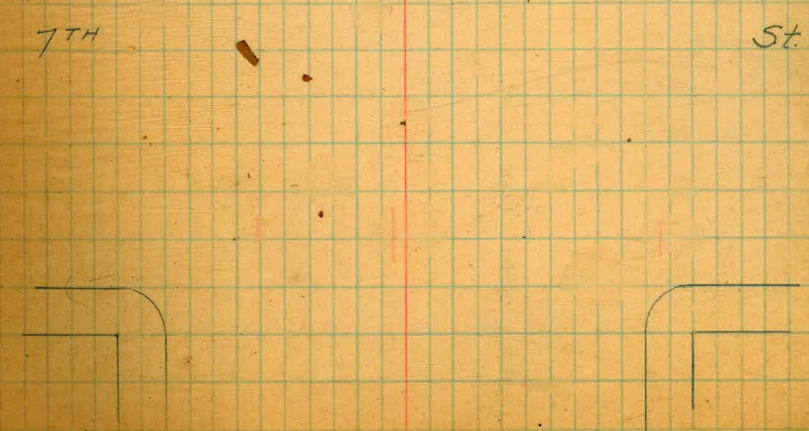
34.31 33.63 4.90 31.18 31.93
4.16 4.84 3.57 7.29 6.54

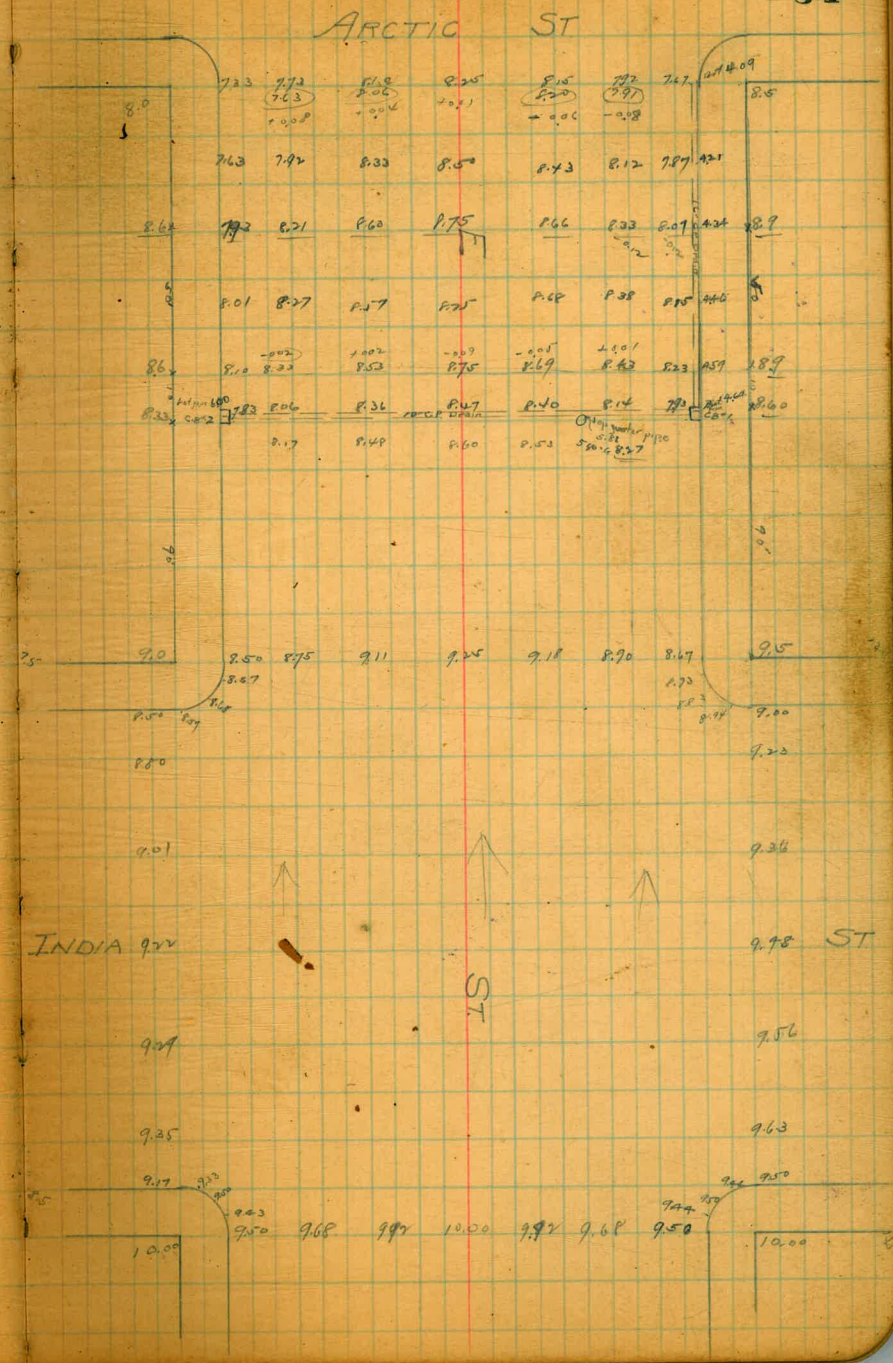
35.50
2.04
37.54 HT

33.89 34.49 32.09 31.49 34.37 34.63 34.67
3.65 3.05 5.45 6.05 3.17 2.91 2.87

32.09 32.23 32.18 31.93
5.45 5.31 5.36 5.61






ARCTIC ST
INDIA ST
ST

Col S.W 14.46

14.46 / 5.12 / 19.58 M

13.83 / 5.75 — 14.17 / 5.41 — 15.17 / 4.41 — 15.00 / 4.58

14.46 / 4.50 / 18.96 M

15.26 / 3.69 — 15.61 / 3.34 — 15.75 / 3.20 — 15.68 / 3.27 — 15.40 / 3.55

13.83 / 5.12 — 13.91 / 5.05 — 14.00 / 4.96 — 14.05 / 4.91 — 14.17 / 4.79 — 14.24 / 4.72 — 15.00 / 3.96 — 14.92 / 4.04

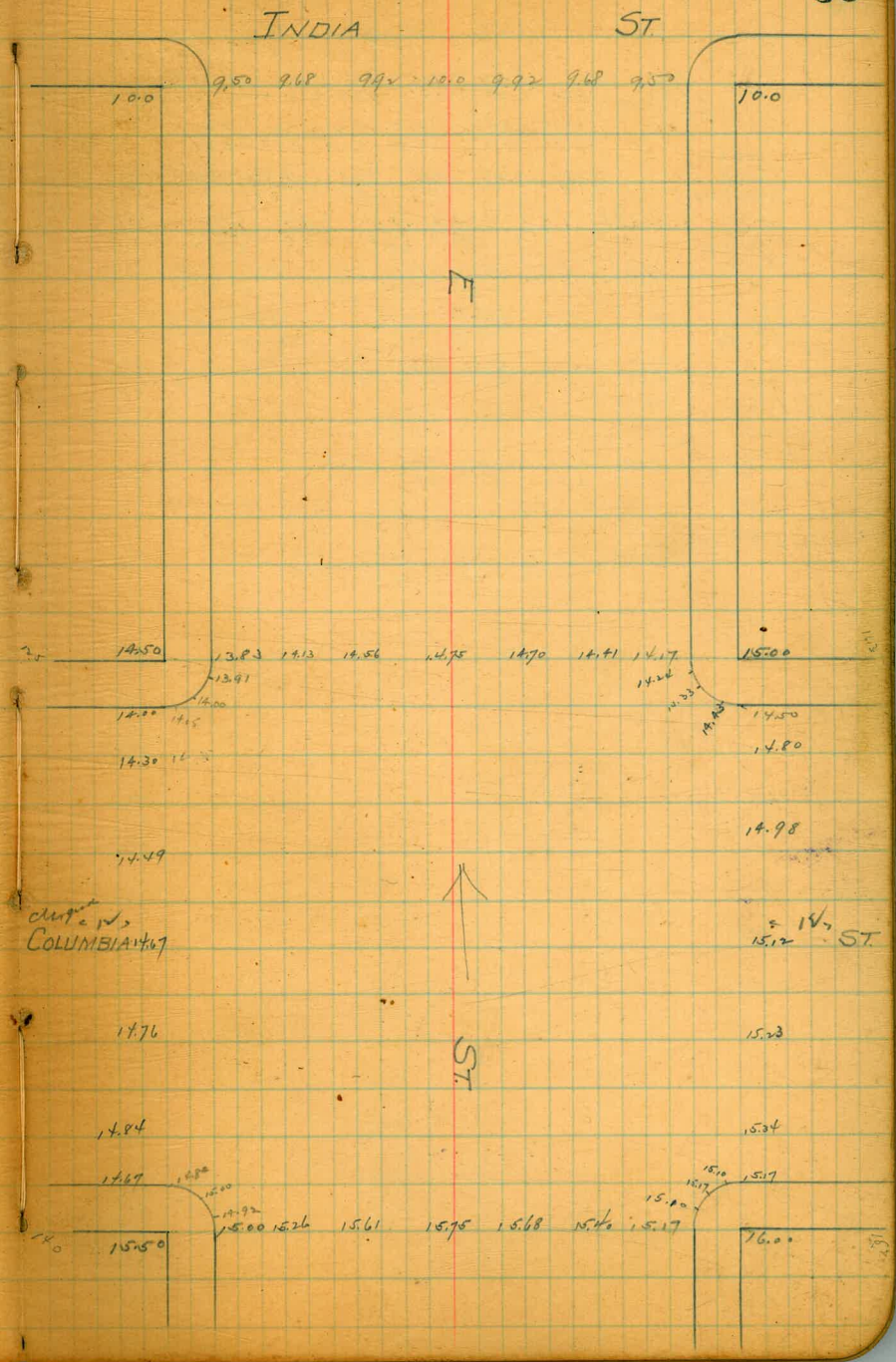
15.17 / 3.79 — 15.10 / 3.86 — 14.50 / 4.46 — 14.43 / 4.53 — 14.33 / 4.63 — 14.24 / 4.72 — 14.17 / 4.79

14.15 / 4.83 — 14.36 / 4.62 — 14.75 / 4.21 — 14.70 / 4.26 — 14.41 / 4.55 — 14.80 / 4.16 — 14.98 / 3.98 — 15.12 / 3.84

8.98 / 4.71 / 13.69 M

15.23 / 3.73 — 15.34 / 3.62 — 15.84 / 4.12 — 14.72 / 4.20 — 14.67 / 4.29 — 14.49 / 4.47 — 14.30 / 4.66

9.68 / 4.01 — 9.92 / 3.77 — 10.00 / 3.68 — 9.98 / 4.03 / 13.51 M — 9.68 / 3.82 — 9.92 / 3.59



State S.W 18.47

18.47 / 5.27 / 23.74 Hr

18.00 / 5.74 · 17.04 / 6.70 · 17.42 / 6.32 · 17.79 / 5.95 · 18.17 / 5.57

19.67 / 4.07 · 19.67 / 4.07 · 19.50 / 4.24

23.60 Hr

19.76 / 3.84 · 19.86 / 3.74 · 19.95 / 3.65 · 19.93 / 3.67 · 19.90 / 3.70

18.47 / 5.03 / 23.50 Hr

18.05 / 5.45 · 18.10 / 5.40 · 18.00 / 5.50 · 19.17 / 4.33 · 19.20 / 4.30 · 19.30 / 4.20 · 19.40 / 4.10

19.67 / 3.83 · 19.64 / 3.86 · 18.50 / 5.00 · 18.41 / 5.09 · 18.33 / 5.17 · 18.25 / 5.25

18.47 / 5.05 / 23.52 Hr

19.38 / 4.14 · 19.36 / 4.16 · 19.30 / 4.22 · 19.88 / 3.64 · 19.86 / 3.66 · 19.80 / 3.72 · 19.93 / 3.59

4.80 / 18.47 / 23.27 Hr

18.85 / 4.42 · 19.41 / 3.86 · 3.38 / 19.89 · 19.80 / 3.47 · 3.89 / 19.38 · 19.30 / 3.97 · 18.91 / 4.36

18.35 / 4.92 · 18.40 / 4.87 · 18.33 / 4.94 · 18.26 / 5.01 · 18.61 / 4.66 · 18.75 / 4.52 · 18.68 / 4.59 · 18.40 / 4.87

14.46 / 5.32 / 19.78 Hr

18.51 / 4.76 · 18.63 / 4.64 · 18.74 / 4.53 · 19.86 / 3.41 · 18.47 / 4.40 / 22.87 · 18.40 / 4.47

15.40 / 4.37 · 15.68 / 4.10 · 15.75 / 4.03 · 15.61 / 4.17 · 15.26 / 4.52 · 18.40 / 4.47 · 18.68 / 4.19 · 18.75 / 4.12

4.26 / 18.47 / 22.73 Hr

18.91 / 3.82 · 18.68 / 4.05 · 17.42 / 5.31 · 17.79 / 4.94

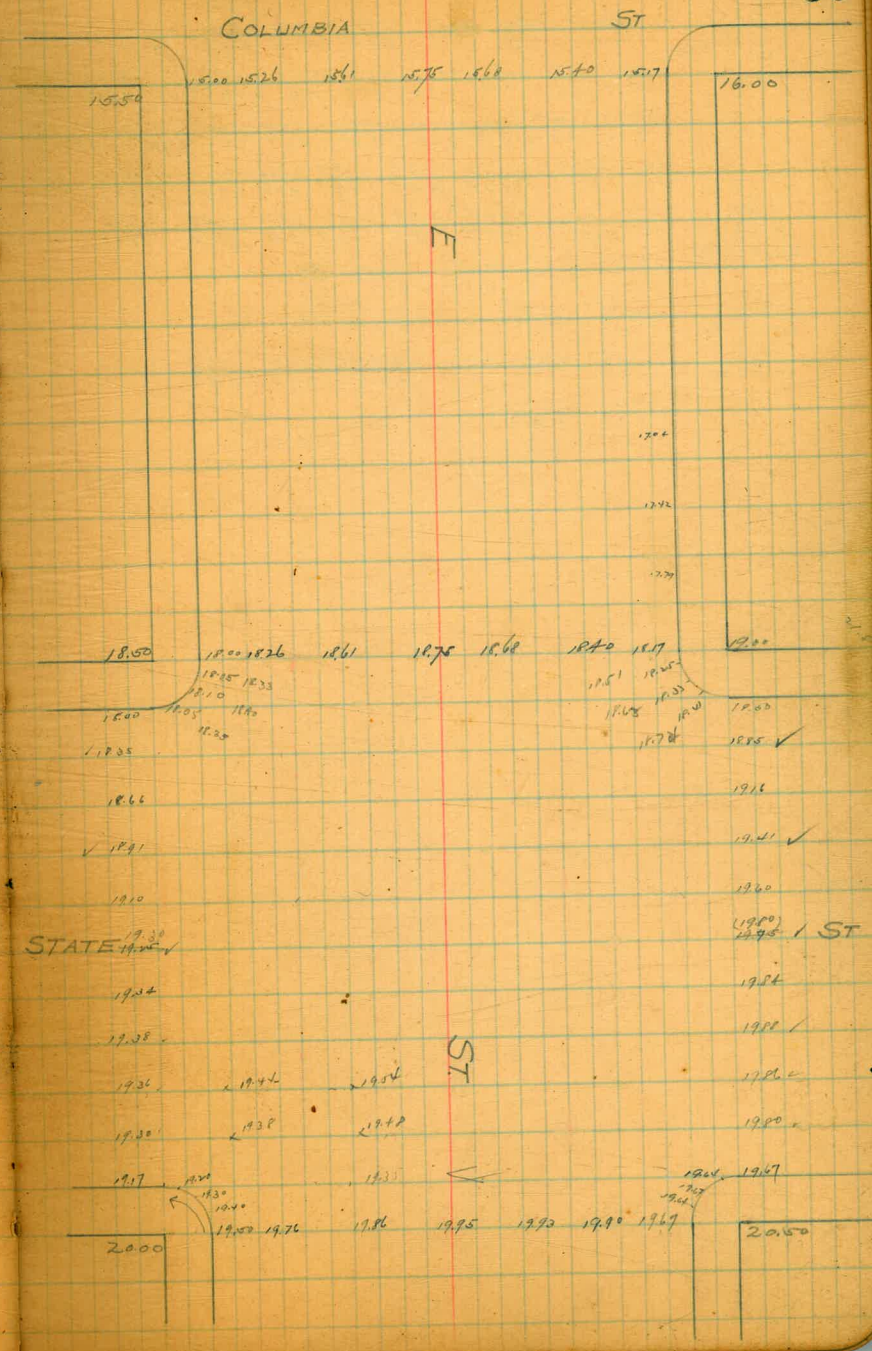
18.47 / 4.63 / 23.10 Hr

18.35 / 4.75 · 18.40 / 4.70 · 18.33 / 4.77 · 18.26 / 4.84 · 18.68 / 4.42

4.50 / 18.47 / 22.97 Hr

19.80 / 3.17 · 19.88 / 3.09 · 19.30 / 3.67 · 19.26 / 3.61 · 19.38 / 3.59 · 19.44 / 3.53

19.35 / 3.62 · 19.48 / 3.49 · 19.54 / 5.43 · 18.35 / 4.62 · 18.41 / 4.57 · 18.33 / 4.64



Union S.W 23.972

23.97
5.32
29.29 Ht.

23.33 / 5.96 — 23.17 / 6.12 — 24.17 / 5.12

24.50 / 4.79

23.97
4.51
28.48 Ht.

24.17 / 4.31 — 24.10 / 4.38 — 23.50 / 4.98 — 23.43 / 5.05 — 23.34 / 5.14 — 23.24 / 5.24 — 23.17 / 5.31

23.33 / 5.15 — 23.37 / 5.11 — 23.41 / 5.07 — 23.45 / 5.03 — 23.50 / 4.98 — 24.17 / 4.31 — 24.25 / 4.23 — 24.33 / 4.15 — 24.41 / 4.07 — 24.50 / 3.98

24.70 / 3.78 — 24.96 / 3.52 — 25.00 / 3.48 — 24.83 / 3.65 — 24.44 / 4.04 — 23.81 / 4.67 — 24.26 / 4.22 — 24.00 / 3.98 — 24.53 / 3.95 — 24.35 / 4.13

24.35 / 4.13 — 24.24 / 4.24 — 24.13 / 4.35 — 23.97 / 4.51 — 23.81 / 4.67 — 24.62 / 3.86 — 24.52 / 3.95 — 24.44 / 4.04

18.47
5.13
23.60 Ht.

23.76 / 4.72 — 23.70 / 4.78 — 23.64 / 4.84 — 23.58 / 4.90 — 23.91 / 4.57 — 24.00 / 4.48 — 23.85 / 4.63 — 23.46 / 5.02

19.99 / 3.61 — 20.34 / 3.26 — 20.47 / 3.13 — 20.40 / 3.20 — 20.11 / 3.49

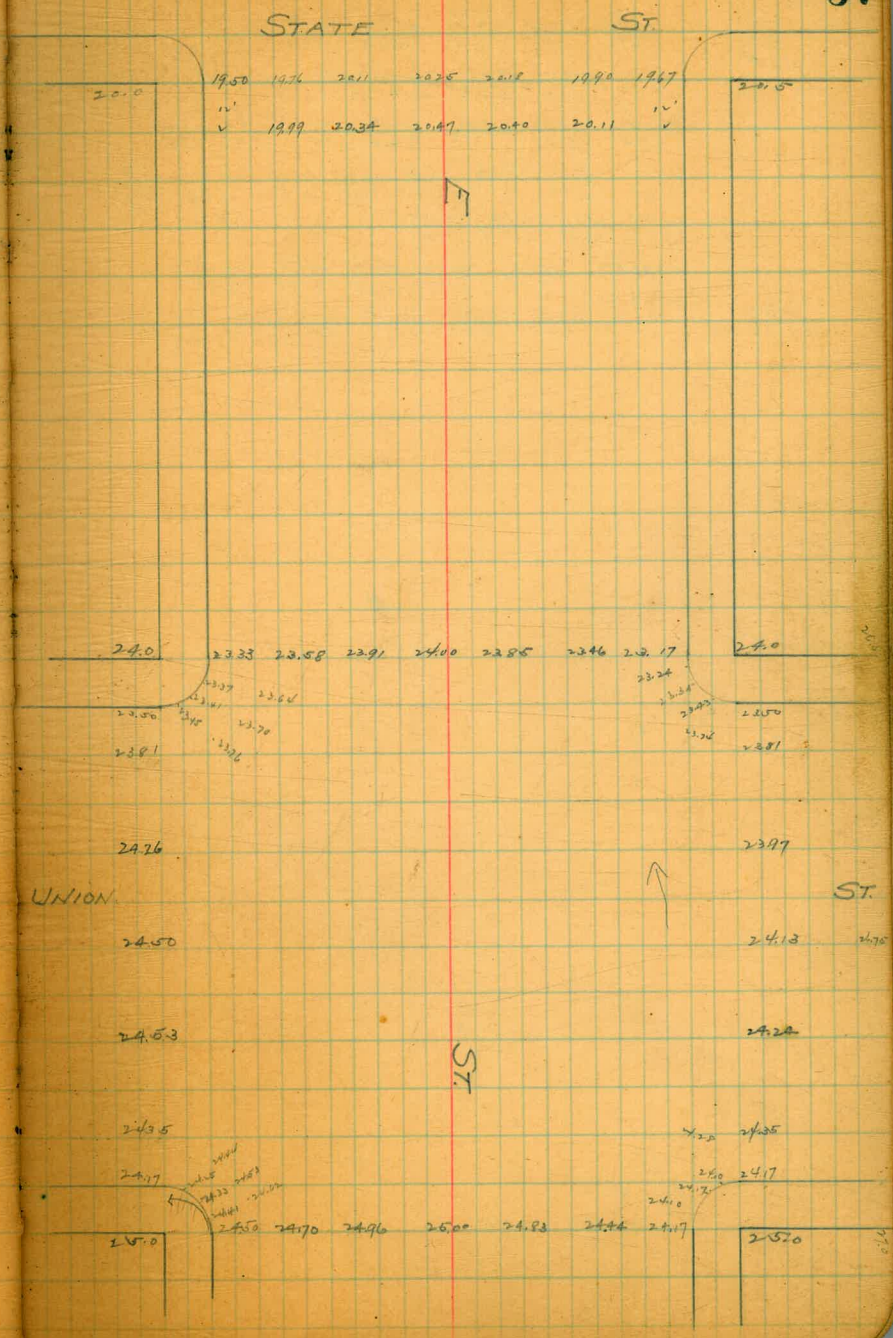
23.97
3.52
27.49 Ht.

24.00 / 3.49 — 23.85 / 3.64 — 23.27 — 20.47 / 2.80

23.97
3.43
27.40 Ht.

23.58 / 3.82 — 23.91 / 3.49 — 24.00 / 3.40 — 23.85 / 3.55 — 23.46 / 3.94 — 23.74 / 3.66 — 24.28 / 3.12

24.01 / 3.39 — 24.53 / 2.87



Front S. W. 27.01

27.01 / 5.30 / 32.31 HI — 26.50 / 5.81 — 27.17 / 5.14

27.01 / .442 / 31.43 HI

26.50 / 4.93 — 26.45 / 4.98 — 26.41 / 5.02 — 26.37 / 5.06 — 26.33 / 5.10

27.17 / 4.26 — 27.25 / 4.18 — 27.33 / 4.10 — 27.41 / 4.02 — 27.50 / 3.93

27.68 / 3.75 — 27.92 / 3.51 — 28.00 / 3.43 — 27.59 / 3.84 — 27.51 / 3.92 — 27.43 / 4.00 — 27.35 / 4.08

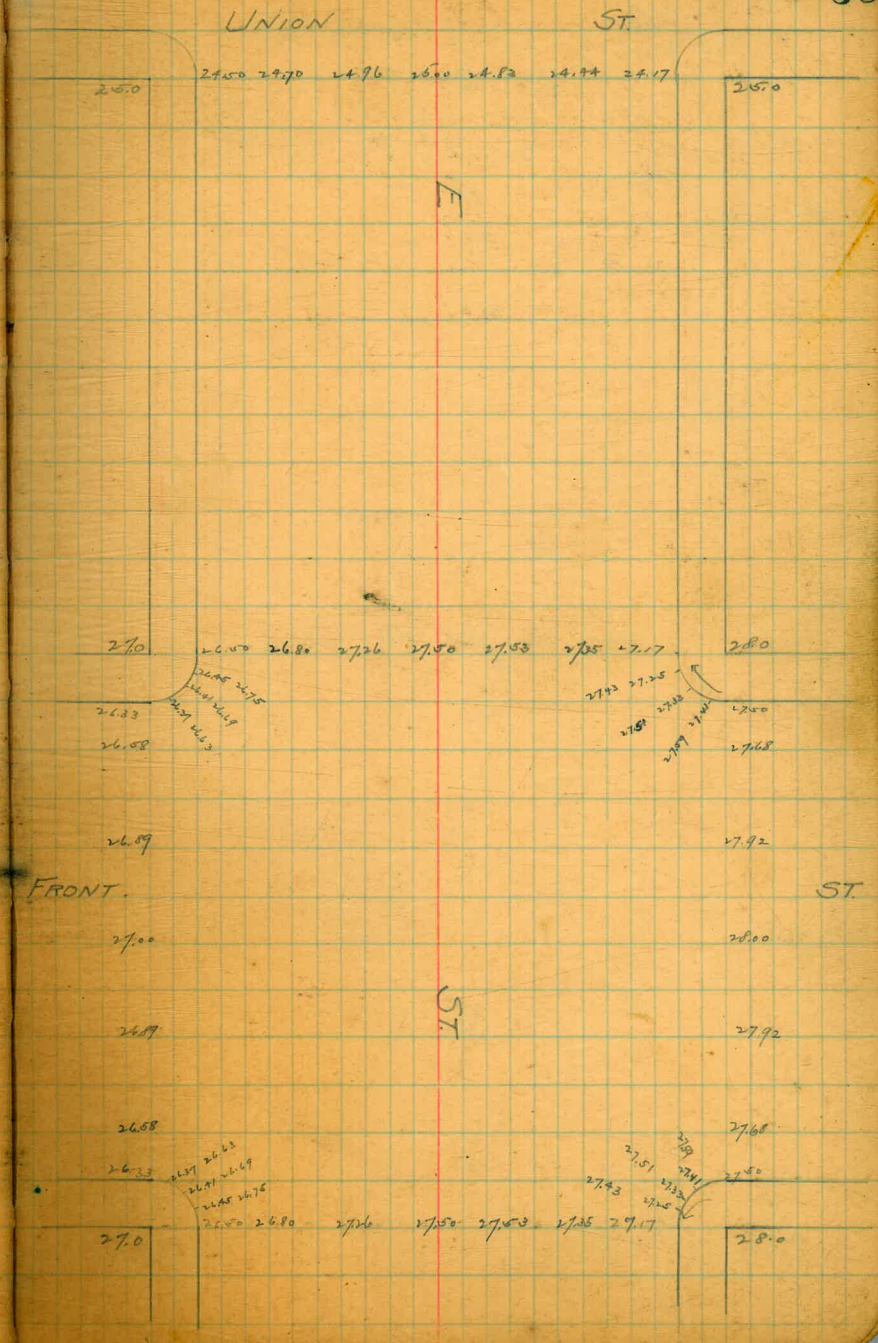
27.53 / 3.90 — 27.50 / 3.93 — 27.26 / 4.17 — 26.80 / 4.63 — 26.75 / 4.68 — 26.69 / 4.74 — 26.63 / 4.80 — 26.58 / 4.85

26.89 / 4.54 — 27.00 / 4.43 — 26.89 / 4.54 — 26.58 / 4.85

23.97 BM / 4.78 / 28.75 HI — 24.70 / 4.05 — 24.96 / 3.79 — 25.00 / 3.75 — 24.83 / 3.92 — 24.44 / 4.31

27.01 / 4.34 / 31.35 HI

26.89 / 4.46 — 27.00 / 4.35 — 26.80 / 4.55 — 26.75 / 4.60 — 26.69 / 4.66 — 27.59 / 3.76 — 27.51 / 3.84



1st S.W 24.54

FRONT ST.

1ST ST.

ST

2d S.W 28.90

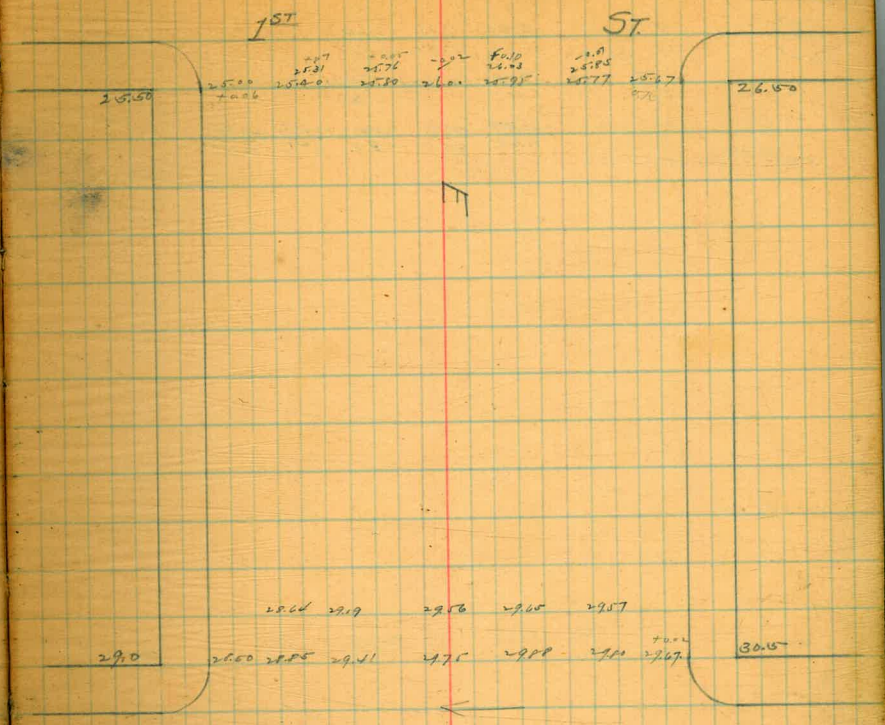
33.28 HI

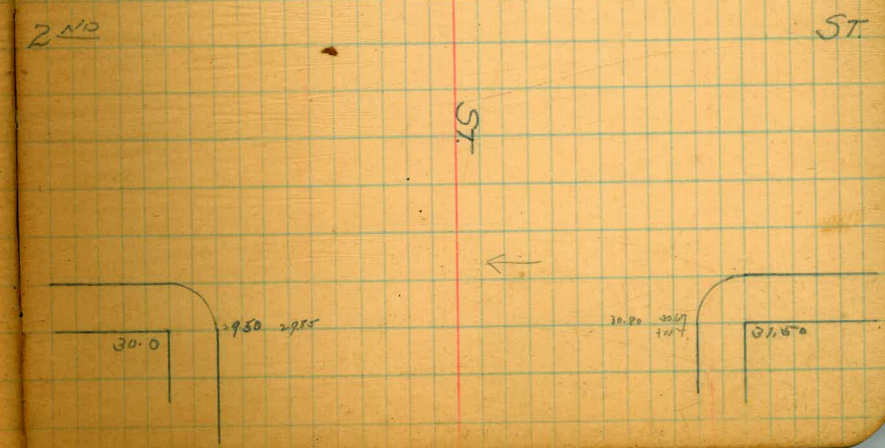
3.59	30.67	3.76		
29.69	2.61	29.52		

28.90
3.68
31.98 HI

6.60	6.17	6.00	6.05	6.20
25.38	25.81	25.98	25.93	25.78

29.57	29.65	29.56	29.19	28.64
2.41	2.33	2.42	2.79	3.34

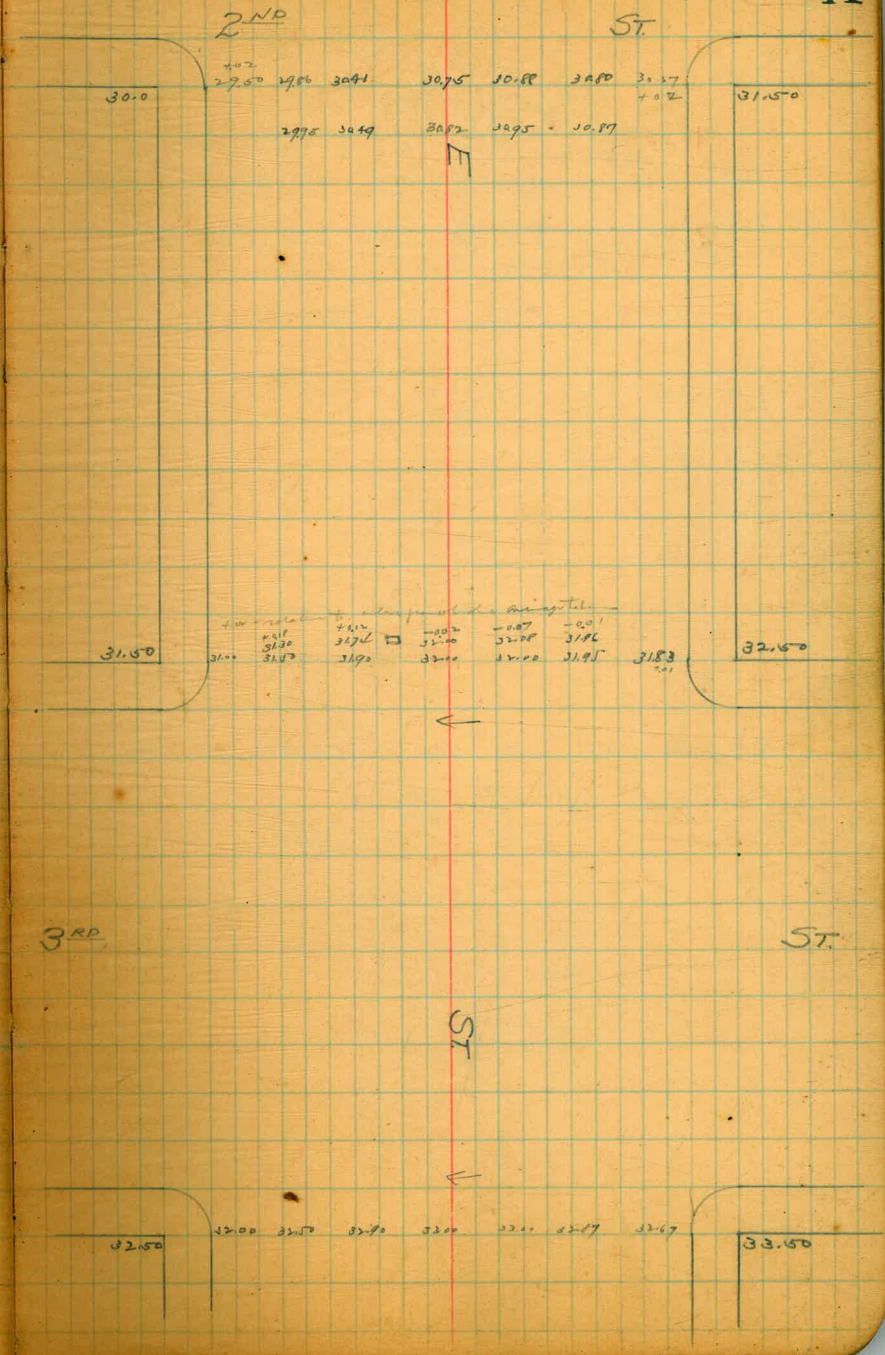




28.90 S.W. E 2d 31.41 S.W. 3d

31.41	4.78	4.40	4.28	4.31	4.29
4.85	31.48	31.86	31.98	31.95	31.97
36.26	30.87	30.95	30.82	30.49	29.95
	5.39	5.31	5.44	5.77	6.31

28.90	31.41	30.87	30.95	30.82	30.49	29.95
3.84	3.84	4.38	4.30	4.43	4.76	5.30
~~37.74~~ H	35.25 H					



3d S.W. 31.41
4th " " 35.91

35.91
6.44
42.35 Ht.

6.01
31.84

5.88
31.97

8.21
4.90
37.11 Ht.
6.29
30.77

35.91
1.98
37.89 Ht.

31.41
6.44
37.85 Ht.

35.29
2.56

35.64
2.21

5.16
32.69

35.54
2.35

35.90
1.99

36.06
1.83

36.03
1.86

35.82
2.07

5.00
32.89

4.89
33.00

5.43
32.46

48.49
1.35
50.84 Ht.

48.67
2.17

2.38
48.46

48.00
2.84

6.41
44.43

5.34
45.50

7 & E

45.66
5.18

45.81
5.03

45.71
5.13

45.38
5.46

44.81
6.03

49.49 8 & E N.W

2.40
51.89 Ht.

48.45
3.46

48.85
3.04

48.85
1.99

49.03
1.81

49.00
1.84

48.76
2.08

48.31
2.53

49.03
2.86

48.31
3.58

48.76
3.13

7th St

45.00
45.21 44.43 44.81 45.38 45.71 45.81 45.66 45.50 46.00 46.21

St

E

48.50 48.00 48.31 48.76 49.00 49.03 48.85 48.67 49.50

49.49
2.50
51.99 Ht.

48.85
3.14

49.03
2.96

48.76
3.23

48.31
3.68

8th St

3RD ST.

32.50 32.00 32.50 32.90 32.00 32.00 32.87 32.67 33.50

E

35.79 35.29 35.54 35.90 36.06 36.03 35.82 35.64 36.32
36.00 35.50 35.83 36.50

4TH ST.

ST

5.45 S.E Arctic Plgrt 6.89 S.W India Plg. rt.

6.89
3.71
10.60 Ht

7.50 7.20 6.13 5.96 4.84
3.10 3.40 4.47 4.64 5.76
1.67 3.10
2.97 2.66

6.89
4.81
11.70 Ht

6.67 6.37 6.67 6.63 6.13 6.50
5.03 5.33 5.03 5.07 5.57 5.20

7.43 7.50 7.33 7.17 6.50 6.57 6.65
4.81 4.74 4.91 5.07 5.74 5.67 5.59

6.89
5.35
12.24 Ht

6.67 6.75 6.83 6.91 7.00 7.67 7.60 7.67
5.57 5.49 5.41 5.33 5.24 4.57 4.64

6.89
4.97
11.86 Ht

6.75 7.11 7.25 7.18 6.90 7.31 7.47 7.62 7.74 7.85
5.11 4.75 4.61 4.68 4.96 4.55 4.39 4.24 4.12 4.01

7.90 8.18 7.35 7.30 7.25 7.03 6.81
3.96 3.68 4.51 4.56 4.61 4.83 5.05

6.89
4.26
11.15 Ht

7.25 6.62 6.93 7.00 6.83 6.42 6.87 6.59 7.24 7.38 7.28
3.90 4.53 4.22 4.15 4.32 4.73 4.28 4.56 3.91 3.77 3.87

6.24
4.83
11.07 Ht

6.93 6.24 6.21 6.21 6.55 6.79 6.90 6.80 6.47
4.22 4.91 4.94 4.86 4.62 4.28 4.17 4.27 4.60

5.64 5.86 6.08 6.13 5.99 5.68 5.40 6.21 6.45
4.71 4.49 4.27 4.22 4.36 4.67 4.95 4.14 3.90

5.45
4.96
10.35 Ht

6.63 6.76 7.01 7.32 7.43 7.32 7.00 6.75
4.88 4.75 4.50 4.19 4.08 4.19 4.37 4.76

6.89 BM
4.62
11.51 Ht

6.83 7.05 7.35 7.45 7.37 7.11 6.90
4.68 4.46 4.16 4.06 4.14 4.40 4.61

6.56 6.80 7.10 7.20 7.11 6.81 6.58 6.95 6.16
4.95 4.71 4.41 4.31 4.40 4.70 4.93 4.56 4.65

4.05
3.46

6.56 6.33 3.38 3.29 3.20
4.95 5.18 8.13 8.22 8.31

6.89
4.12
11.01 Ht

6.76 7.01 7.32 7.43 7.32 7.00 6.75
4.25 4.00 3.69 3.58 3.69 4.01 4.26

6.90 7.11 7.37 7.45 7.35 7.05 6.83
4.11 3.90 3.64 3.56 3.66 3.96 4.18

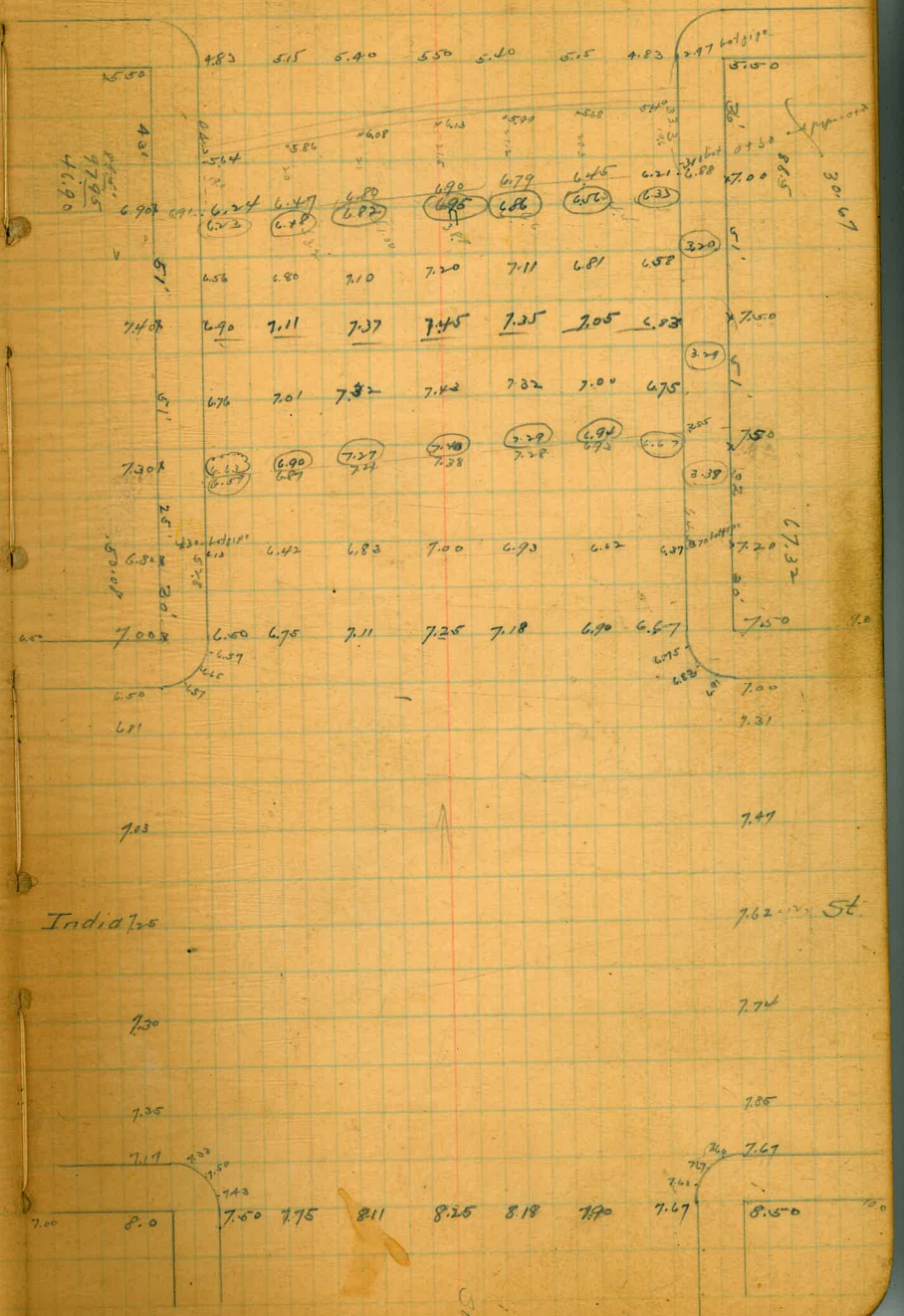
6.89 Bm
5.03
11.92 Ht

6.56 6.80 7.10 7.20 7.11 6.81 6.58
4.45 4.21 3.91 3.81 3.90 4.20 4.43

4.69 7.23 7.23 4.69 4.45 7.47 7.45 4.47 5.04 6.88 6.85 5.07

F St. Paving - Arctic to 4th

Arctic St



12.47 S. W. Columbia Plg rt.

12.47
1.73
14.20 Hi

10.50 / 3.70 | 9.50 / 4.70

12.47
2.34
14.81 Hi

11.67 / 3.14 | 7.67 / 7.14 | 7.50 / 7.31 | 13.50 / 1.31 | 13.17 / 1.64

12.47
.64
13.11 Hi

11.97 / 1.14 | 12.37 / 0.74 | 12.50 / 0.61 | 12.37 | 11.97

7.90 / 5.21 | 8.18 / 4.93 | 8.25 / 4.86 | 8.11 / 5.00 | 7.75 / 5.36

12.47
4.97
17.44

11.67 / 5.77 | 11.75 / 5.69 | 11.83 / 5.61 | 11.91 / 5.53 | 12.00 / 5.44 | 13.17 / 4.27 | 13.25 / 4.19 | 13.33 / 4.11 | 13.41 / 4.03 | 13.50 / 3.94

13.17 / 4.27 | 13.07 / 4.37 | 12.00 / 5.44 | 11.96 / 5.48 | 11.90 / 5.54 | 11.77 / 5.67 | 11.67 / 5.77

12.47
4.65
17.12 Hi

11.97 / 5.15 | 12.37 / 4.75 | 12.50 / 4.62 | 12.37 / 4.75 | 12.07 / 5.05 | 12.17 / 4.95 | 12.27 / 4.85 | 12.36 / 4.76

12.91 / 4.21 | 13.25 / 3.87 | 13.38 / 3.74 | 13.30 / 3.82 | 13.40 / 3.72 | 13.50 / 3.62 | 13.61 / 3.51 | 13.71 / 4.41 | 13.96 / 3.16 | 14.00 / 3.12

13.83 / 3.29 | 13.46 / 3.66 | 13.30 / 3.82 | 13.09 / 4.03 | 12.87 / 4.25 | 12.61 / 4.51 | 12.35 / 4.77 | 12.17 / 5.39 | 11.97 / 5.59

12.47
5.09
~~17.56 Hi~~

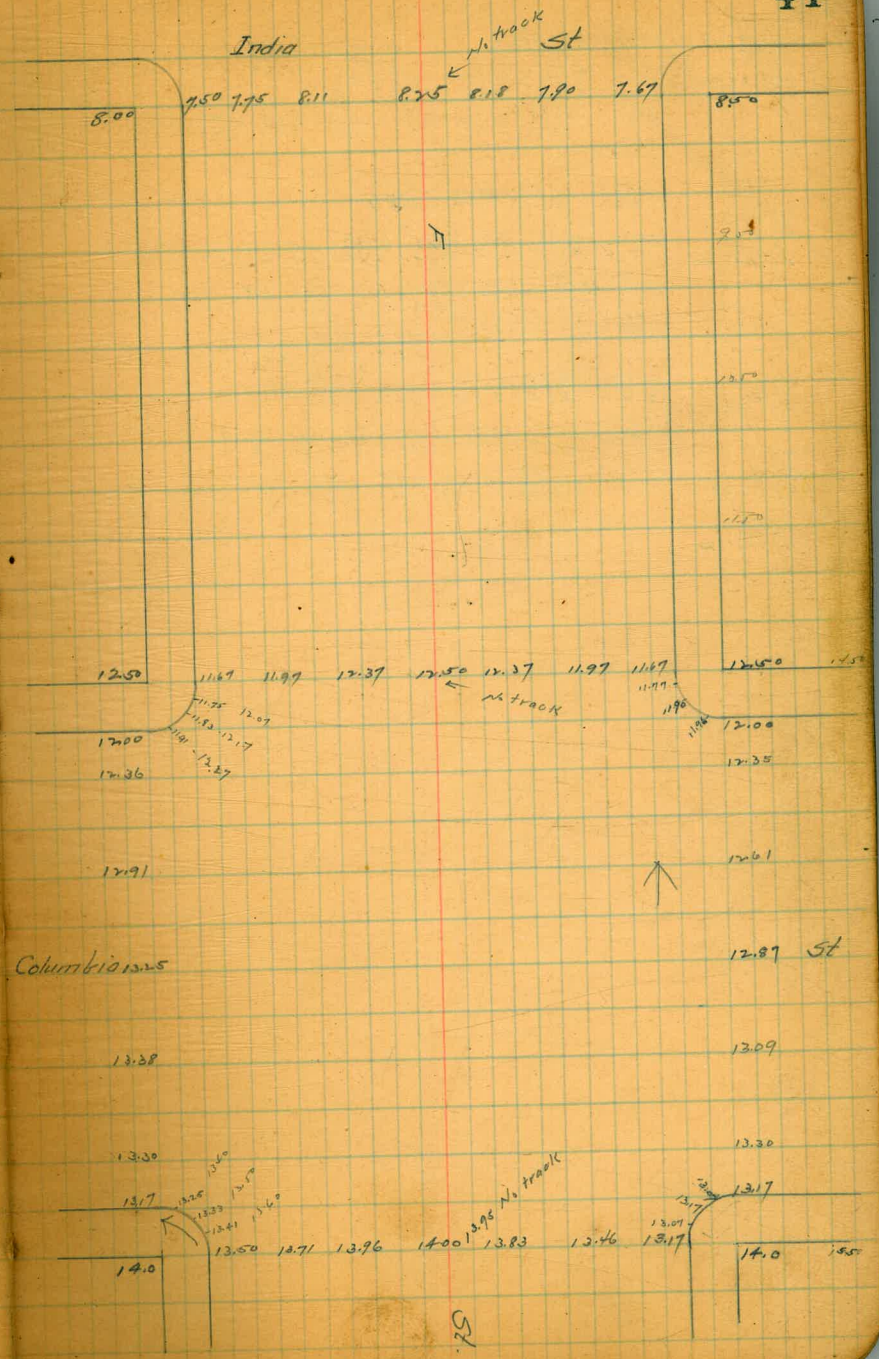
13.25
4.22

17.47 Hi
4.79
17.26 Hi

12.91 / 4.35 | 13.60 / 3.66 | 13.30 / 3.96 | 5.85 / 8.27 | 8.25 / 5.87 | 1.62 / 12.50

0.31 / 13.81 | 0.17 / 13.95

6.89
7.23
14.12 Hi



16 / 3.01 / 19.01 HI — 14.00 / 5.01 — 14.50 / 4.51 — 15.00 / 4.01 — 15.50 / 3.51 — 16.00 / 3.01

16.00 S.W State Plgrt.
5.01
~~21.01 HI~~

15.50 / 5.51 — 16.50 / 4.51 — 12.47 / 6.08 / 18.55 HI — 13.46 / 5.09 — 13.83 / 4.72 — 14.00 / 4.55 — 13.96 / 4.59 — 13.71 / 4.84

14.64 / 3.91 — 14.92 / 3.63 — 15.00 / 3.55 — 14.86 / 3.69 — 14.52 / 4.03 — 15.58 / 2.97 — 15.89 / 2.66 — 16.00 / 2.55

16.00 / 2.57 / 18.57 HI — 15.33 / 3.24

3.89 / 16 / 19.89 HI — 15.58 / 4.31 — 15.89 / 4.00 — 16.00 / 3.89 — 3.90 / 16.58

16.00 / 4.48 / 20.48 HI — 15.33 / 5.15 — 15.37 / 5.11 — 15.41 / 5.07 — 15.45 / 5.03 — 15.50 / 4.98 — 16.50 / 3.98 — 16.48 / 4.00 — 16.50 / 3.98 — 16.40 / 4.08 — 16.30 / 4.18 — 16.19 / 4.29 — 16.17 / 4.31

15.58 / 4.90 — 15.89 / 4.59 — 16.00 / 4.48 — 15.64 / 4.84 — 15.70 / 4.78 — 15.76 / 4.72 — 15.81 / 4.67 — 16.26 / 4.22 — 16.50 / 3.98 — 16.20 / 4.28 — 15.78 / 4.70

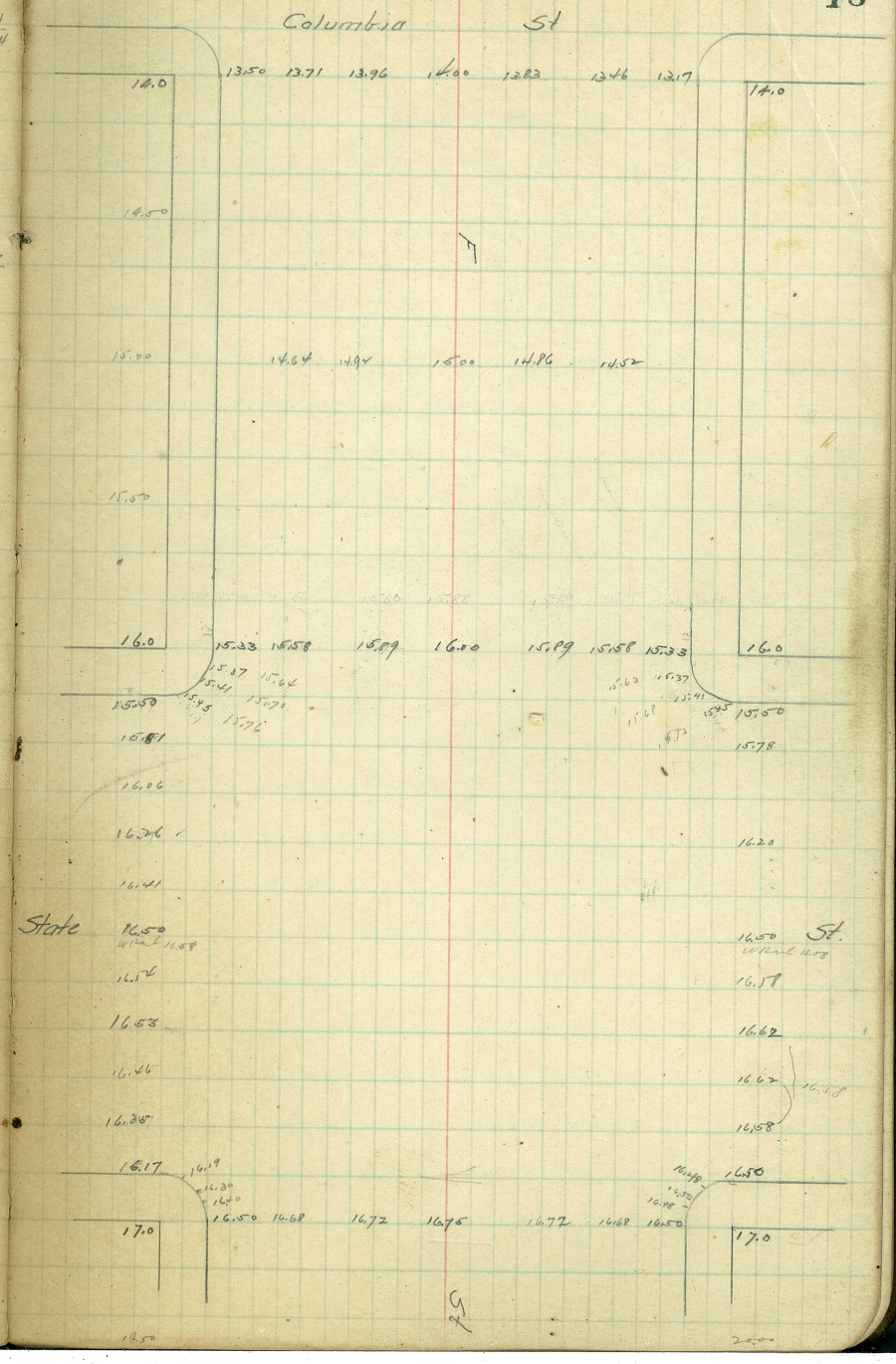
16.00 Pm / 4.42 / 20.42 — 15.73 / 4.75 — 15.68 / 4.80 — 15.63 / 4.85 — 3.83 / 16.59 — 16.53 / 3.89 — 16.46 / 3.96 — 16.35 / 4.07 — 16.68 / 3.74 — 16.72 / 3.70 — 16.75 / 3.67 — 16.58 / 3.84

16.00 / 4.24 / 20.24 HI — 16.50 / 3.74 — 16.53 / 3.71 — 16.46 / 3.78 — 16.35 / 3.89 — 16.58 / 3.66 — 6.5 / 5.8 — 3.53 / 16.70 — 16.58 / 3.65

15.81 / 4.42 — 16.26 / 3.97 — 16.50 / 3.73 — 16.53 / 3.70 — 16.46 / 3.77 — 16.35 / 3.88 — 17.08 / 3.15

16.00 / 4.23 / 20.23 HI — 15.58 / 4.65 — 15.89 / 4.34 — 16.00 / 4.23 — 15.58 / 4.65 — 15.64 / 4.59 — 15.71 / 4.52 — 15.76 / 4.47 — 16.50 / 3.73

16.00 / 5.03 / 21.03 HI — 5.05



SW Union Plat.

State St

Union St

18.49 S.W Front Plg.rt.

18.49 BM. 4.56 23.05 HI

18.49 BM. 4.37 22.86 HI

18.49 5.95 24.44 HI

23.52 HI. 4.30 19.22 4.99 24.21 HI

18.49 4.99 23.48 HI

18.49 5.39 23.88

18.49 5.21 23.70 HI

18.49 5.34 23.83 HI

18.49 5.29 23.78 HI

18.49 5.05 23.54 HI

18.00 5.54 18.33 5.21

18.00 5.05 18.32 4.72 19.59 3.46 19.34 3.71 19.43 3.62

18.25 4.80 18.51 4.54 18.49 4.56 18.46 4.59 18.36 4.69 18.25 4.80

18.31 4.74 18.65 4.40 18.81 4.24 18.78 4.27 18.57 4.48 19.46 3.59 19.66 3.39 19.69 3.36

19.53 3.52 19.19 3.86 18.00 4.86 17.95 4.91 17.91 4.95 17.87 4.99 17.83 5.03 18.33 4.53

18.00 4.86 17.96 4.90 17.92 4.94 17.87 4.99 17.83 5.03 18.33 4.53 18.29 4.57

18.58 4.28 18.89 3.97 19.00 3.86 18.54 4.32 18.49 4.37 18.44 4.42 18.46 4.46

18.68 4.18 18.75 4.11 18.61 4.25 18.25 4.61 18.21 4.65 18.17 4.69 18.12 4.74 18.08 4.78

18.39 4.47 18.50 4.36 18.25 4.61 18.36 4.50 18.46 4.40 18.81 4.05 5.71 18.69 4.89 5.33 19.11

6.00 18.21 5.41 18.80 18.25 5.96 5.25 18.96 4.95 5.45

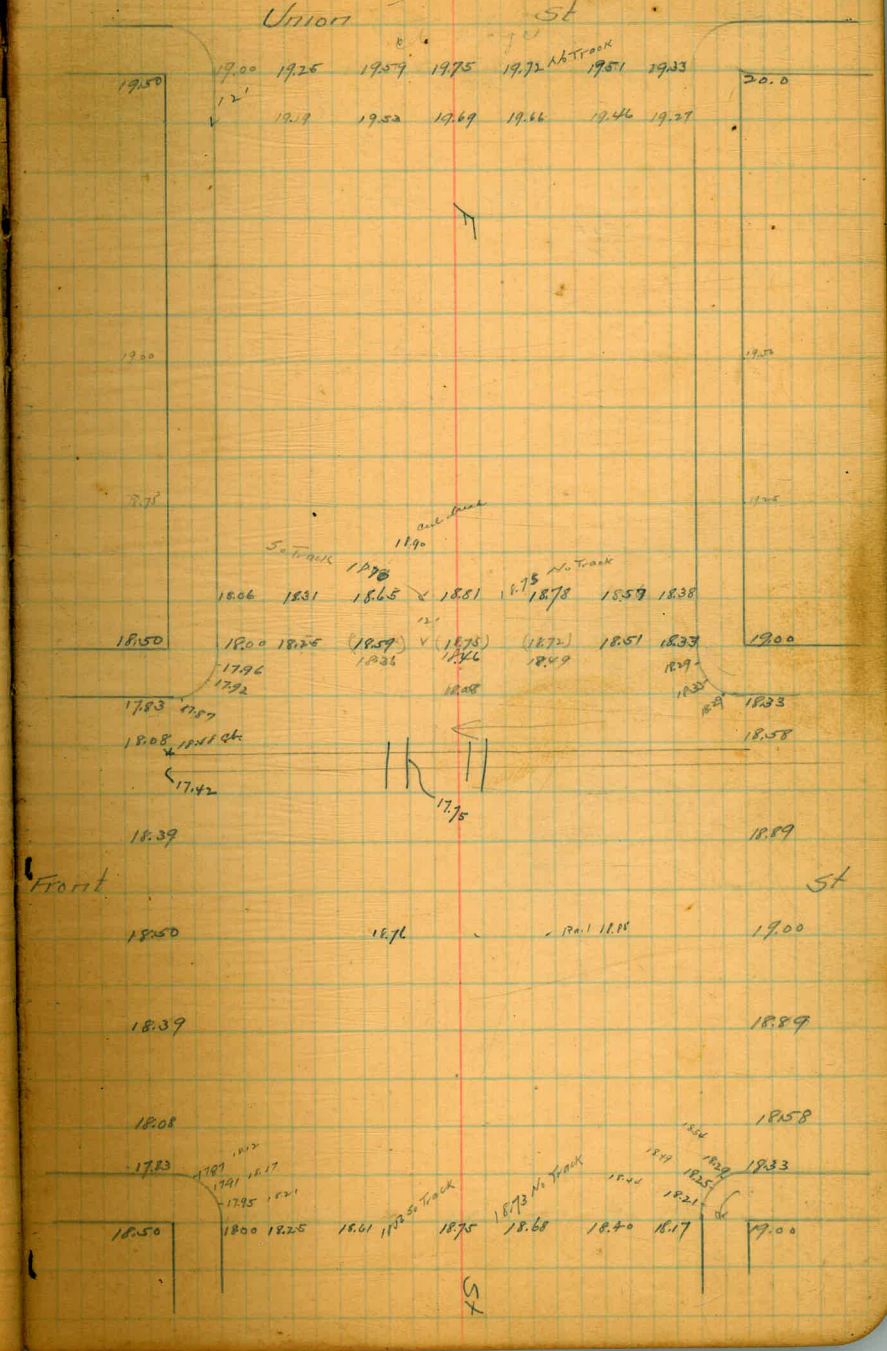
4.75 18.73 5.09 5.43 5.36 5.61 5.77 6.01 6.71 6.19

18.26 5.44 4.80 18.90 5.54 5.58 6.14

5.03 18.85 5.41 5.04 18.66 5.54 18.29 5.49 18.34

18.49 5.34 23.83 HI

5.55 18.28 5.56 18.27 5.35 18.48 17.42 6.41



16.92. S.W 1st Plort.

18.49
448
22.97 HI

18.17
480

18.00
4.97

6.42
16.54

5.62
19.04

23.05 HI
16.92
460
21.52 HI

4.61
16.91

4.24
17.28

4.05
17.47

4.04
17.48

5.12
18.54

18.06
5.60

5.00
18.66

5.38

5.84

6.68

18.49
517
23.66 HI

6.00
17.51

5.86
6.34

6.10

5.01
4.58
.43
4.15

6.23

16.94
166
15.88

16.49
502
23.51 HI

6.26
5.20
16.92

5.01
5.18
16.94

4.58

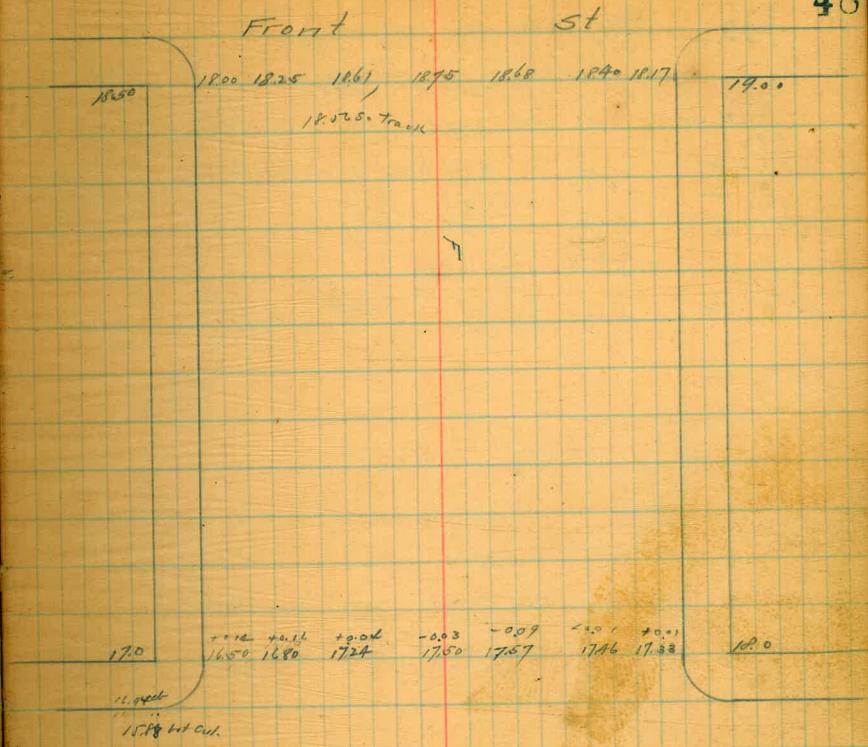
15.86
6.26

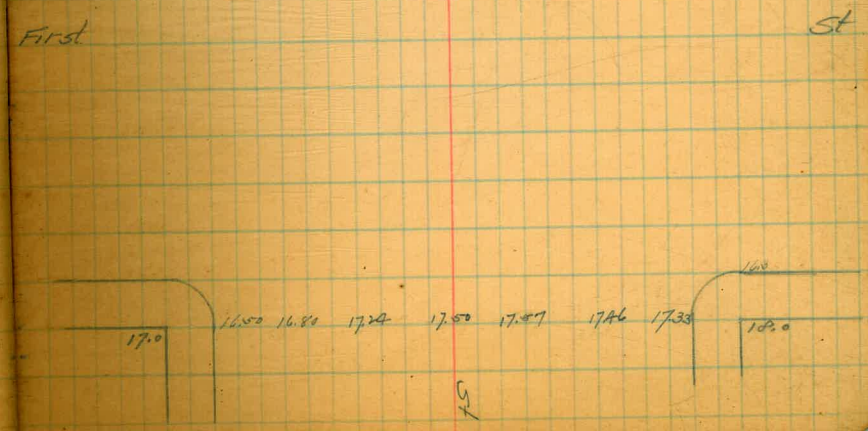
5.10
16.94

16.92
520
22.12 HI

15.88
6.16

16.92
512
22.04 HI





18.96 S.W. 2d Plg rt.

16.92 / 4.90 / 21.82 HT — 5.26 / 16.56 — 4.44 / 17.38 — 2.79 / 19.03 — 3.28 / 15.52

18.96 / 3.34 / 22.30 HT

18.61 / 3.69 — 18.96 / 3.34 — 19.15 / 3.15 — 19.17 / 3.13 — 19.03 / 3.27

5.38 / 16.92 — 5.03 / 17.27 — 4.79 / 17.51 — 4.77 / 17.53 — 4.82 / 17.48

16.92 / 6.26 / 23.18 HT

5.57 — 5.01 — 4.58 — 6.45 — 6.30 — 5.85 — 5.41 / 4.96

18.96 / 4.80 / 23.76 HT

18.96 Bm / 5.13 / 24.09 HT

5.06 / 19.03

4.69 / 19.40 / 1.06 / 18.34

18.53 bottom at No Rail St track

25 / 18.28 / 5.81

3.84 / 50 / 4.34 / 1.08 / 5.42

12.00 / 11.6 7/8 / 6-6 / 30 - 7/8

17 — 23.7 / 25.5 / 49 / 2.46

4.41 / 5.10 / 9.51 / 4.76 / 4.76 / 1.08 / 5.84

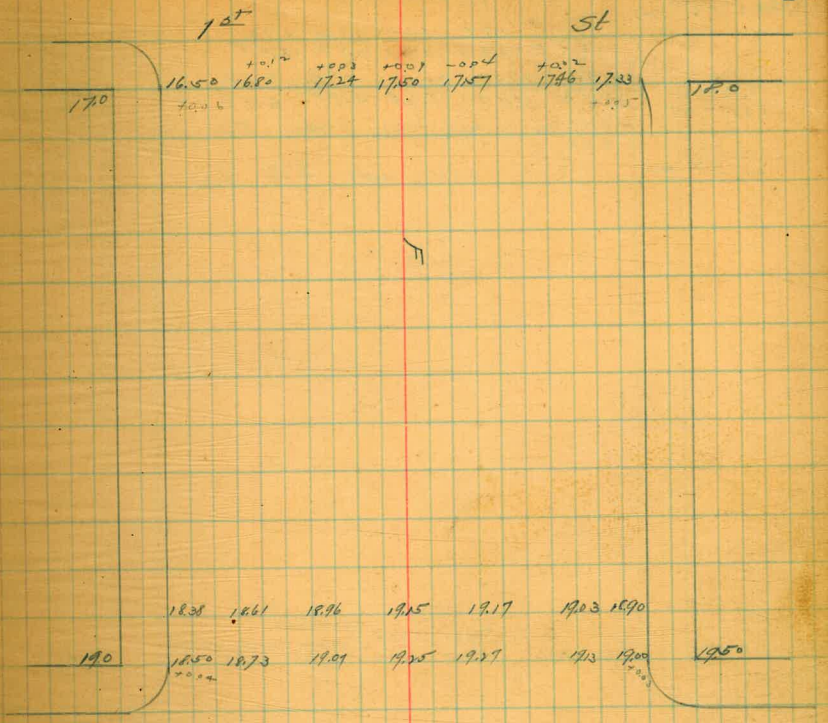
6.16 / 12.48

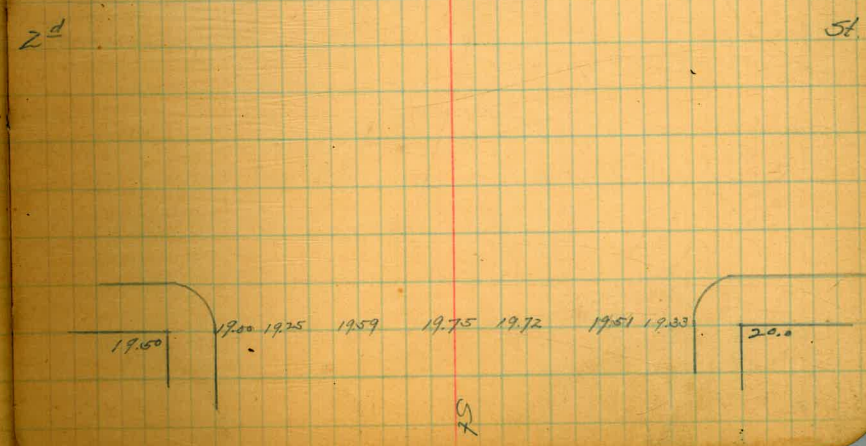
16.92 / 5.72 / 22.64 HT

5.64 / 17.00

5.37 / 17.27

16.48 / 15.80 / 37) 6.80 (18.4 / 37 / 310 / 296 / 140 / 148





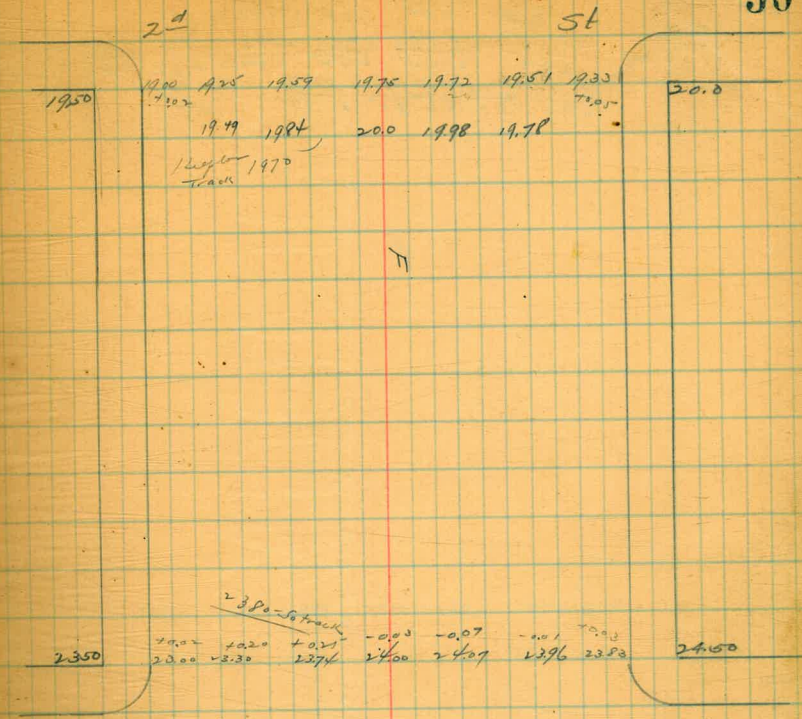
23.39 S.W. 3d Plg rt. 18.96 6.74 25.70 HT 19.00 6.32 23.82
2.29 6.70 19.38 1.87
25.68 HT

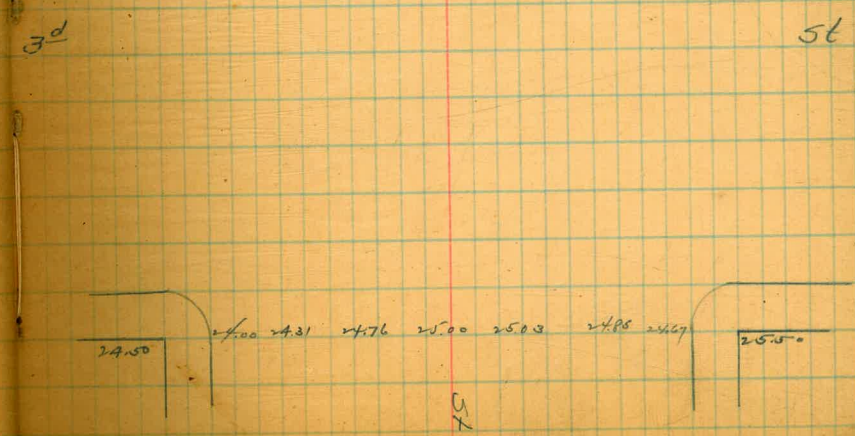
2.18 1.79 1.71 1.72 1.73 3.95
23.50 23.89 23.97 23.96 23.95

18.96 6.56 25.52 HT 19.78 5.90 19.98 5.70 20.50 5.68 19.84 5.84 19.49 6.19

18.96 6.86 25.82 HT 5.74 19.78 5.88 6.48 19.20 6.52 4.83 3.82 2.12 1.70 23.82

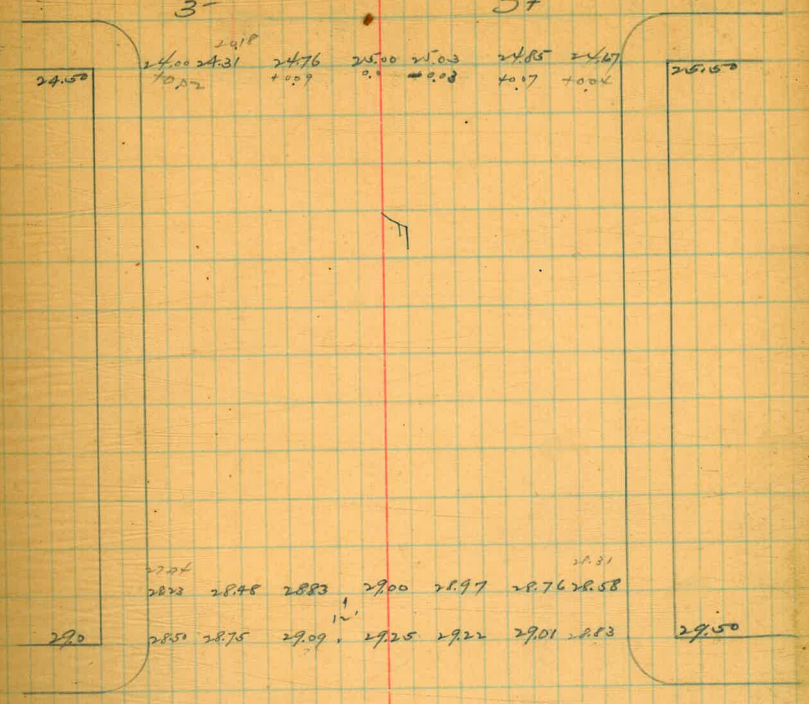
5.52 - 4.44 3.34 2.36

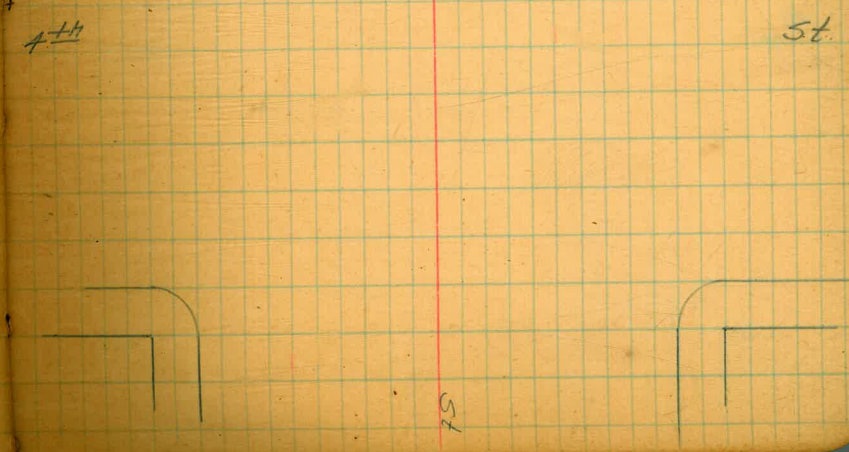




28.63 S.W 4th Plgrt.

2.13 / 30.76 M		27.94 / 2.82	28.31 / 2.45	24.67 / 6.09	24.00 / 6.76			
28.63 / 2.40 / 31.03 Ng.	28.23 / 2.80	28.58 / 2.45	28.48 / 2.55	28.83 / 2.20	29.00 / 2.03	28.97 / 2.06	28.76 / 2.27	
	6.11 / 24.92	6.03 / 25.00	6.18 / 24.85	6.54 / 24.49				





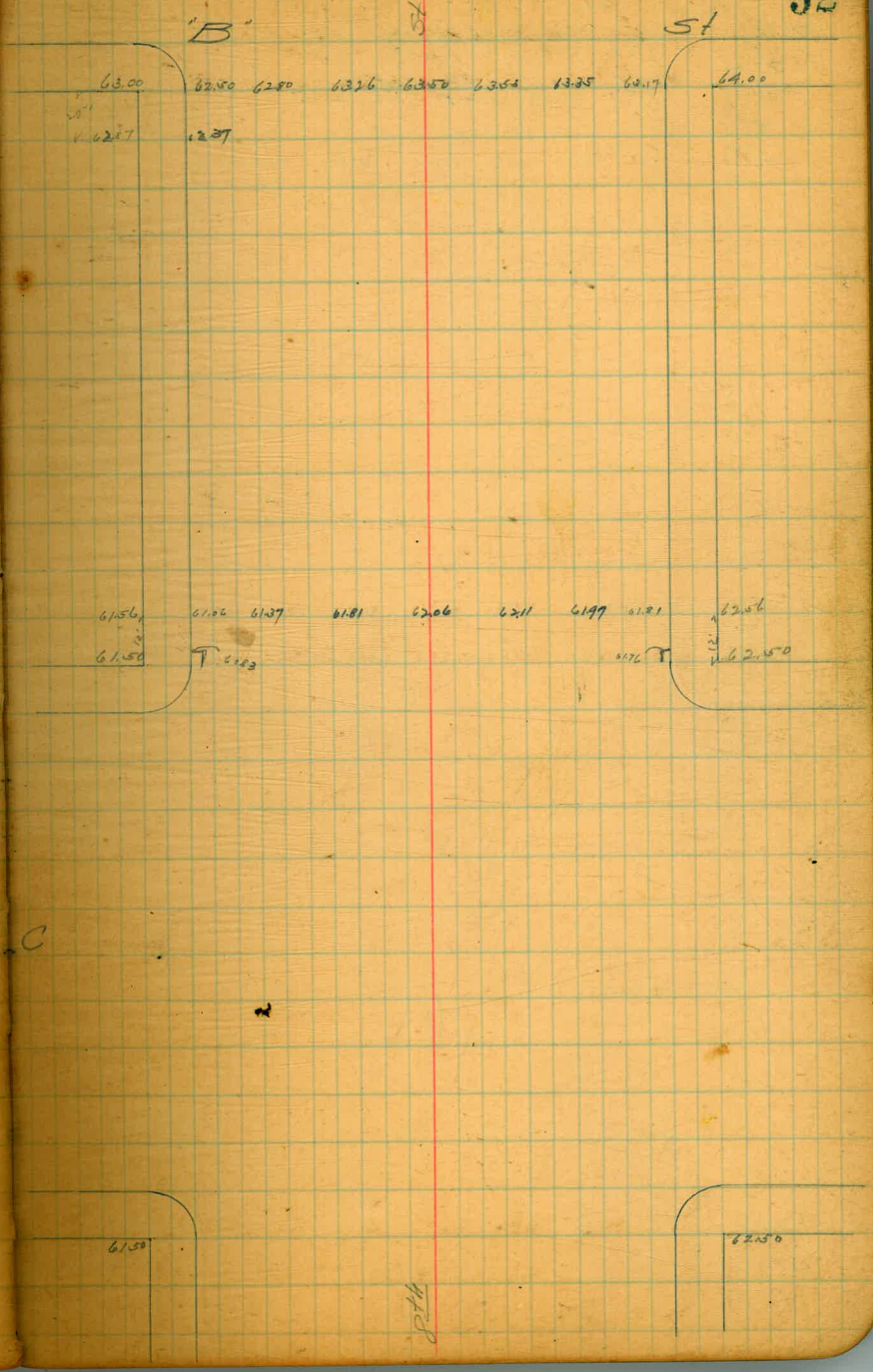
B-S.E. Plg at 63.91 66.71 Hg 5.88 60.83 4.95 61.76 62.98 63.91 66.89 63.17 3.72

C-N.W " " 61.46 61.46 5.40 66.86 Hg 61.06 5.80 61.81 5.05 62.37 4.52

61.46 4.66 66.12 Hg 61.37 4.75 61.81 4.31 62.06 4.06 62.11 4.01 61.97 4.25

62.50 3.62 62.80 3.32 63.26 2.86 63.50 2.62 63.53 2.59 63.35 2.77

Paving of 8th St. B to K.



D.N.E Spk pole 57.38 56.50

57.38
395
61.33 M

56.42
4.91

4.82
56.51

55.91
5.42

56.58
5.76

61.46
5.25
66.71 M

61.46
1.51
62.97

60.41
6.30

61.21
5.50

57.38
55.9
62.97 M.

56.74
6.23

56.96
6.01

56.75
6.22

56.32
6.65

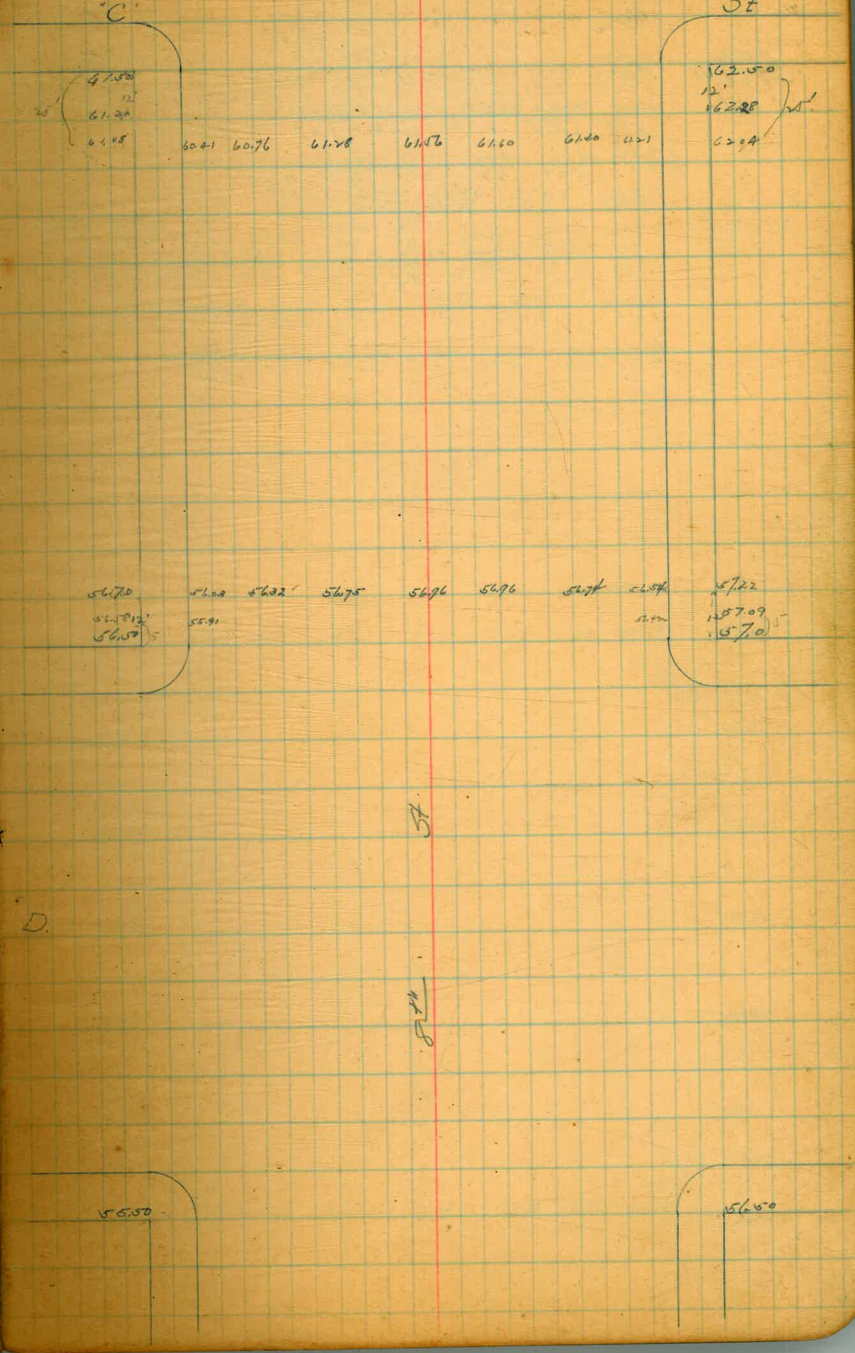
61.40
1.57

61.60
1.37

61.56
1.41

61.28
1.69

60.76
2.21



E - N.W 49.49 plg rt.

49.00 / 4.75 — 49.67 / 4.08 — 48.67 / 5.08 — 48.00 / 5.75

4.26 / 53.75 HJ

49.49 / 7.89 / 57.38 HJ

3.27 / 4.11 — 2.28 / 55.18 — 53.67 / 3.71 — 53.00 / 4.38 — 52.50 / 4.88 — 5.38 — 5.88 — 6.38

6.81 — 7.38 — 7.88 — 50.17 / 7.37 — 50.67 / 6.71 — 6.21 — 5.71 — 5.21 — 4.71

49.49 / 7.59 / 57.08 HJ

53.00 / 4.08 — 53.27 / 3.81 — 53.55 / 3.53 — 53.82 / 3.26 — 53.96 / 3.12 — 54.93 / 2.15 — 54.75 / 2.30 — 54.39 / 2.69 — 54.03 / 3.05 — 53.67 / 3.41

53.17 / 3.91 — 54.53 / 2.55 — 55.36 / 1.72 — 55.76 / 1.32 — 55.74 / 1.34 — 55.31 / 1.77 — 56.[illegible] / 1.08

0.63 / 52.45 — 49.31 / 7.77 — 49.76 / 7.32 — 50.00 / 7.08 — 50.03 / 7.05 — 49.85 / 7.23

53.31 / 3.77 — 53.76 / 3.32 — 54.00 / 3.08 — 54.03 / 3.05 — 53.85 / 3.23

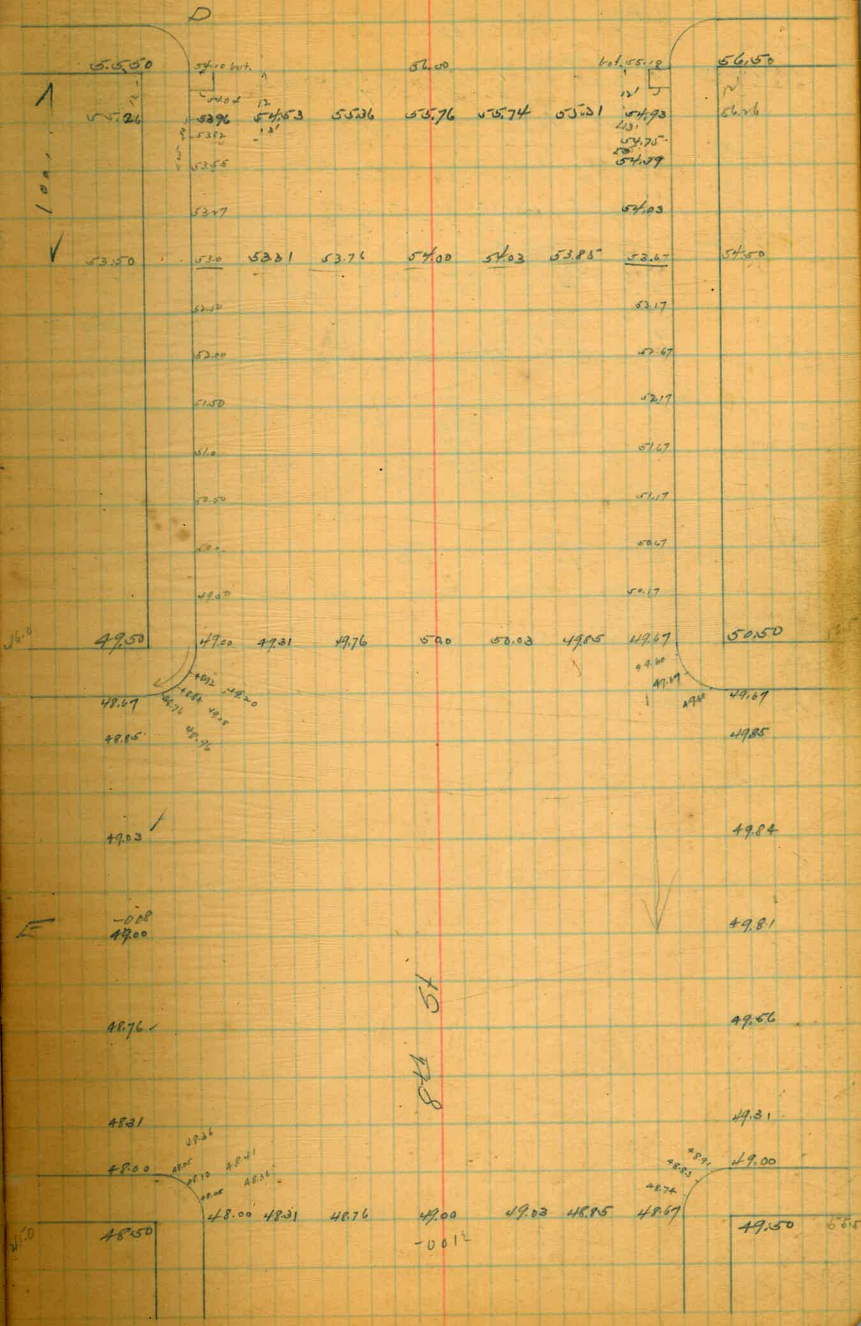
49.49 / 3.88 / 53.37

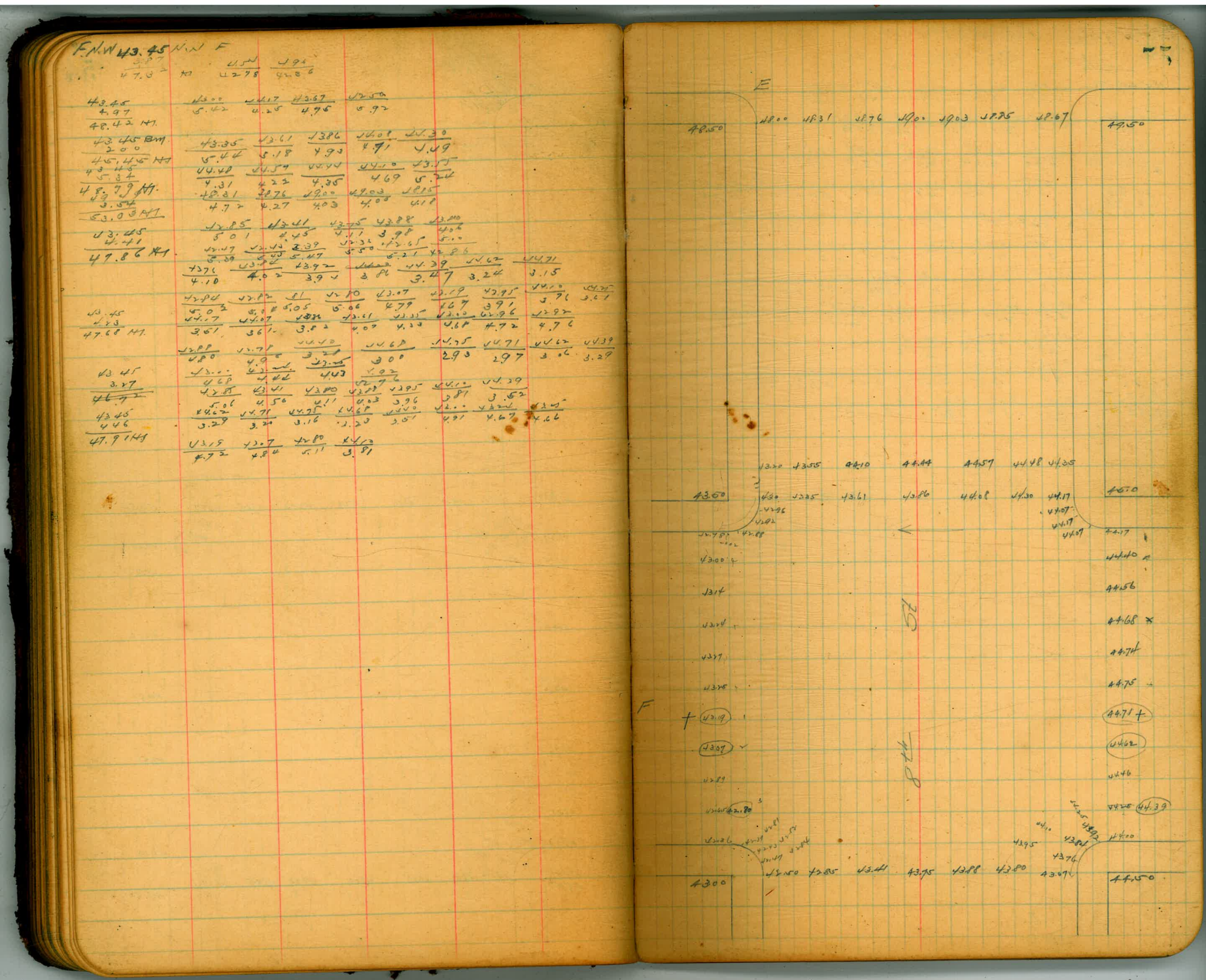
49.31 / 4.06 — 49.20 / 4.17 — 49.08 / 4.29 — 48.96 / 4.41 — 49.03 / 4.34 — 49.76 / 4.61 — 48.36 / 5.01 — 48.41 / 4.96 — 48.36 / 5.01

48.31 / 5.06 — 48.76 / 4.61 — 49.00 / 4.37 — 48.85 / 4.52 — 49.31 / 4.06 — 49.56 / 3.81 — 49.81 / 3.56 — 49.84 / 3.53 — 49.85 / 3.52

49.85 / 3.52 — 50.03 / 3.34 — 49.76 / 3.61 — 49.60 / 3.77 — 49.67 / 3.70 — 49.00 / 4.37 — 48.91 / 4.46 — 48.83 / 4.54 — 48.74 / 4.63 — 48.67 / 4.70

48.00 / 5.37 — 48.05 / 5.32 — 48.10 / 5.27 — 48.67 / 4.70 — 48.76 / 4.61 — 48.84 / 4.53 — 48.92 / 4.45





G 37.93 - N.W plg rt.

37.93
7.50
45.43

4.45
42.38 H1

37.57 / 4.88 — 37.67 / 4.71 — 36.19 / 6.21 — 36.00 / 6.38

45.45 H1 — 43.86 / 2.60 — 43.41 / 2.04 — 43.75 / 1.70 — 43.88 / 1.57 — 43.80 / 1.65

45.43 H1 — 37.75 / 7.68 — 38.12 / 7.31 — 38.25 / 7.18 — 38.18 / 7.25 — 37.90 / 7.53

43.45
4.30
47.75 H1

43.86 / 4.90 — 43.41 / 4.34 — 43.75 / 4.00 — 43.88 / 3.87 — 43.80 / 3.95

37.93
3.63
41.36 H1

37.42 / 3.94 — 37.34 / 4.02 — 37.26 / 4.10 — 37.17 / 4.19 — 36.30 / 5.36 — 36.05 / 5.31 — 36.10 / 5.26

36.17 / 5.19 — 36.25 / 5.11 — 36.34 / 5.02 — 36.42 / 4.94 — 36.47 / 4.86 — 37.67 / 3.68 — 37.40 / 3.76

37.90 / 3.46 — 38.18 / 3.18 — 38.25 / 3.11 — 38.12 / 3.24 — 37.75 / 3.61 — 36.29 / 5.11 — 36.61 / 4.79 — 36.25 / 4.61

36.68 / 4.68 — 36.40 / 4.96 — 37.80 / 3.56 — 37.61 / 3.75 — 37.41 / 3.95 — 37.13 / 4.23 — 36.85 / 4.51

36.33 / 5.03 — 36.41 / 4.96 — 36.35 / 5.01 — 36.91 / 4.45 — 37.25 / 4.11 — 37.38 / 3.98 — 37.30 / 4.06

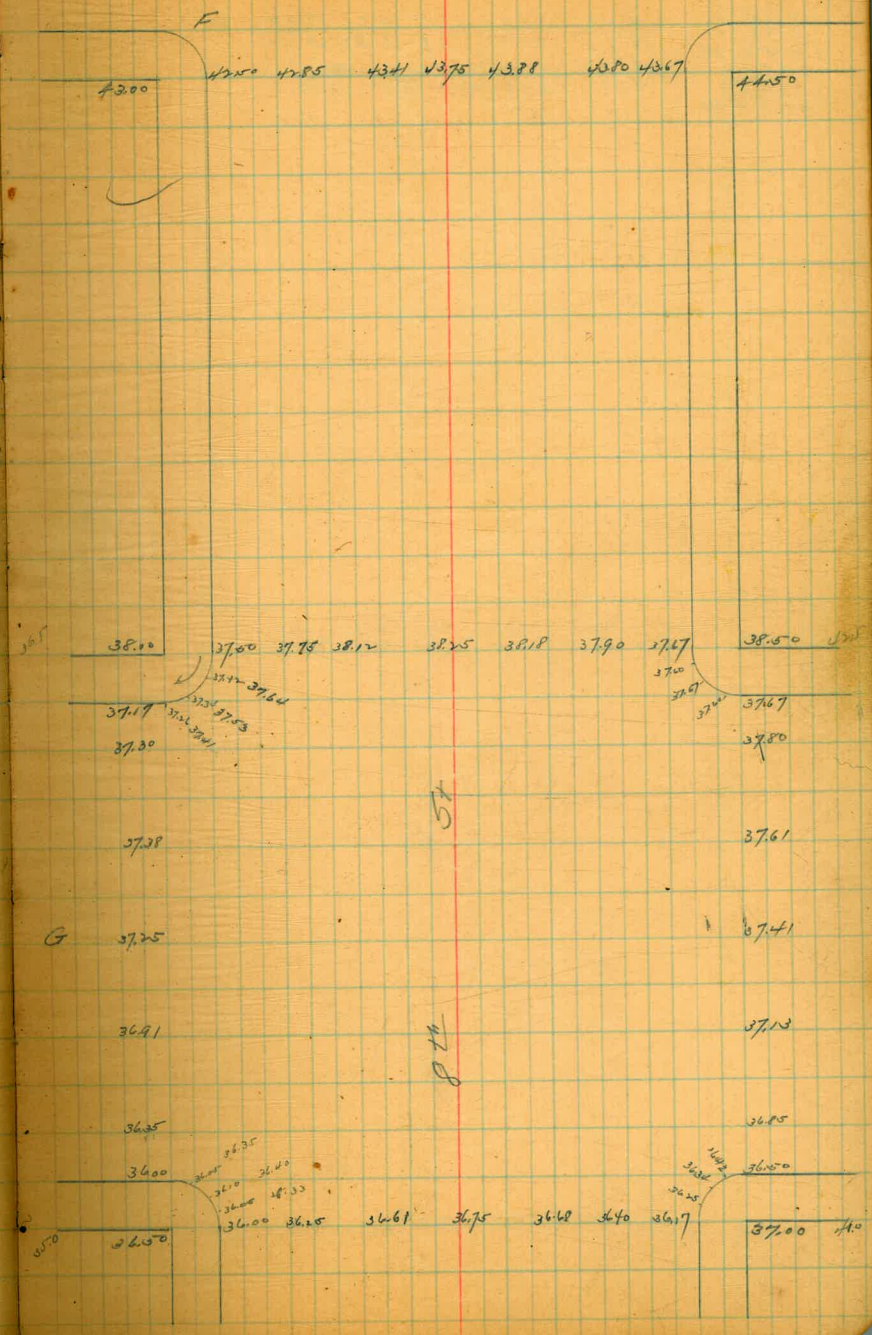
37.93
3.57
41.50 H1

37.41 / 3.96 — 37.53 / 3.83 — 37.14 / 3.72

37.25 / 3.76 — 38.12 / 3.38 — 38.25 / 2.25 — 38.18 / 3.32 — 37.90 / 3.60 — 37.80 / 3.7

37.93
3.27
41.20 H1

37.30 / 3.90 — 37.38 / 3.82 — 37.25 / 3.95 — 36.91 / 4.29 — 36.35 / 4.85

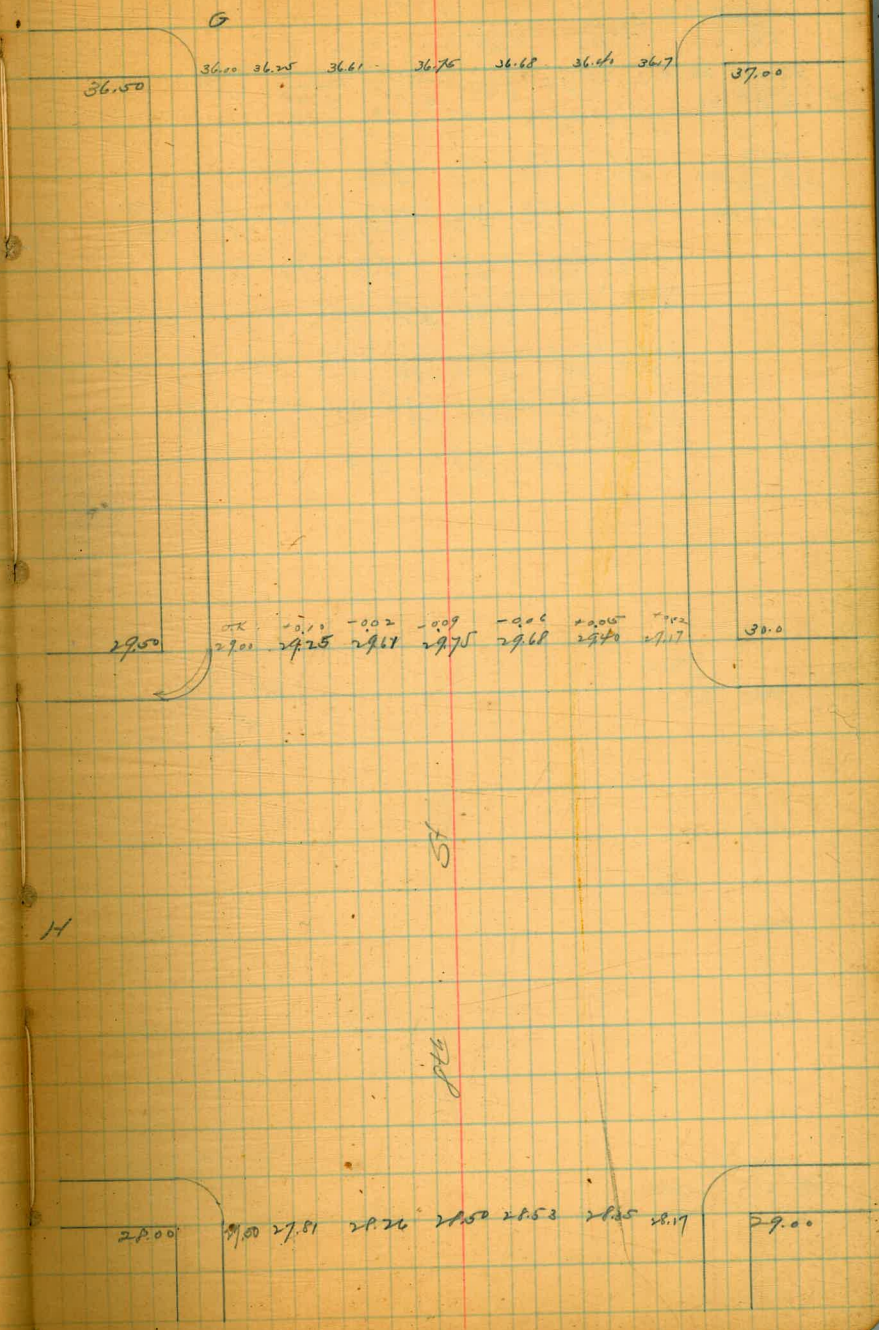


H 29.45 N.W plg rt

5.28 / 34.73 M.

5.54 / 29.19

29.45	5.07	4.93	4.86	4.90	5.07
5.07	29.35	19.59	29.66	19.62	29.45
34.52 M	36.25	36.61	36.75	36.68	36.40
37.93	3.63	3.27	3.13	3.20	3.48
1.95					
39.88 M					



I 23.54 N.W. Pig.

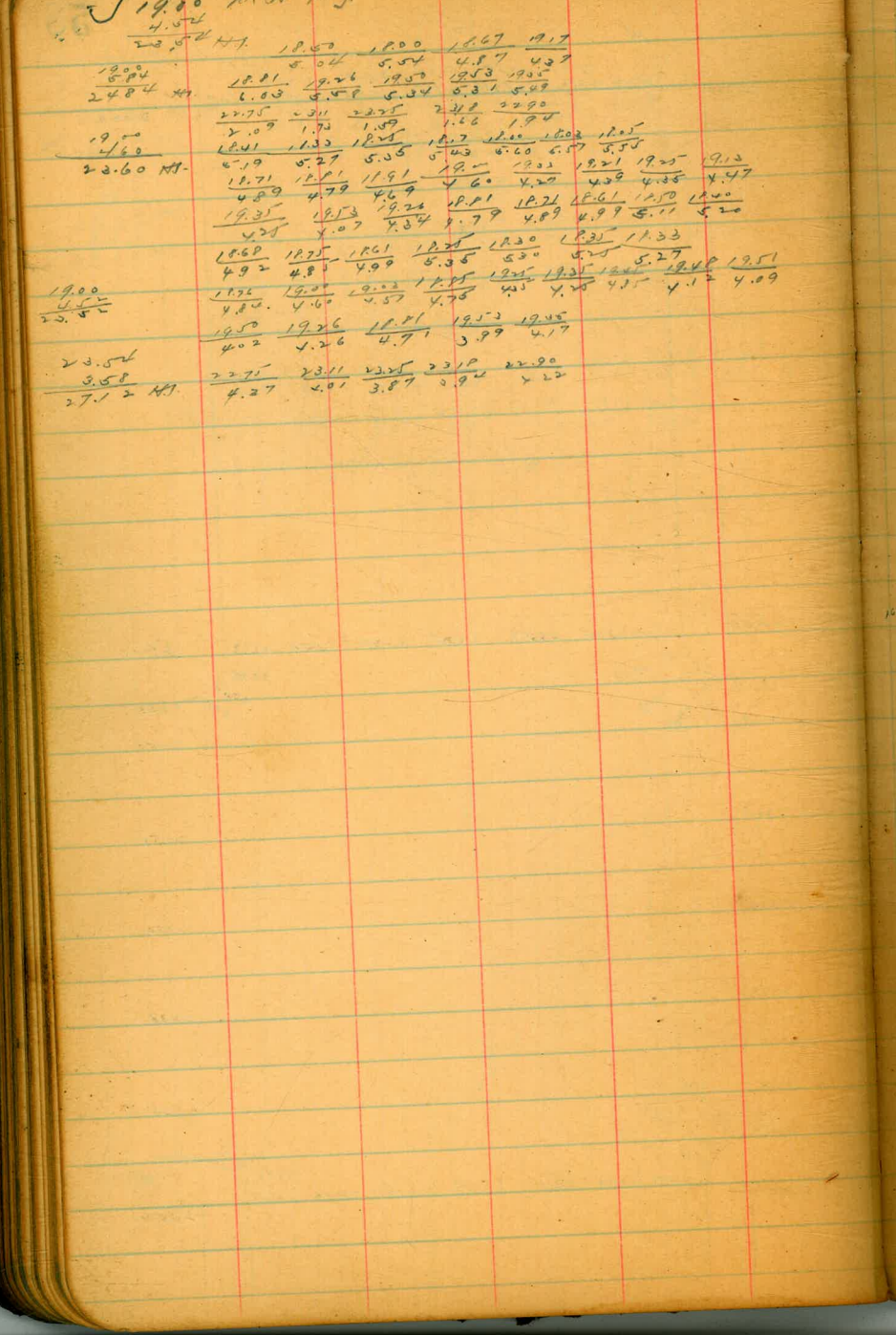
23.54 B.M.

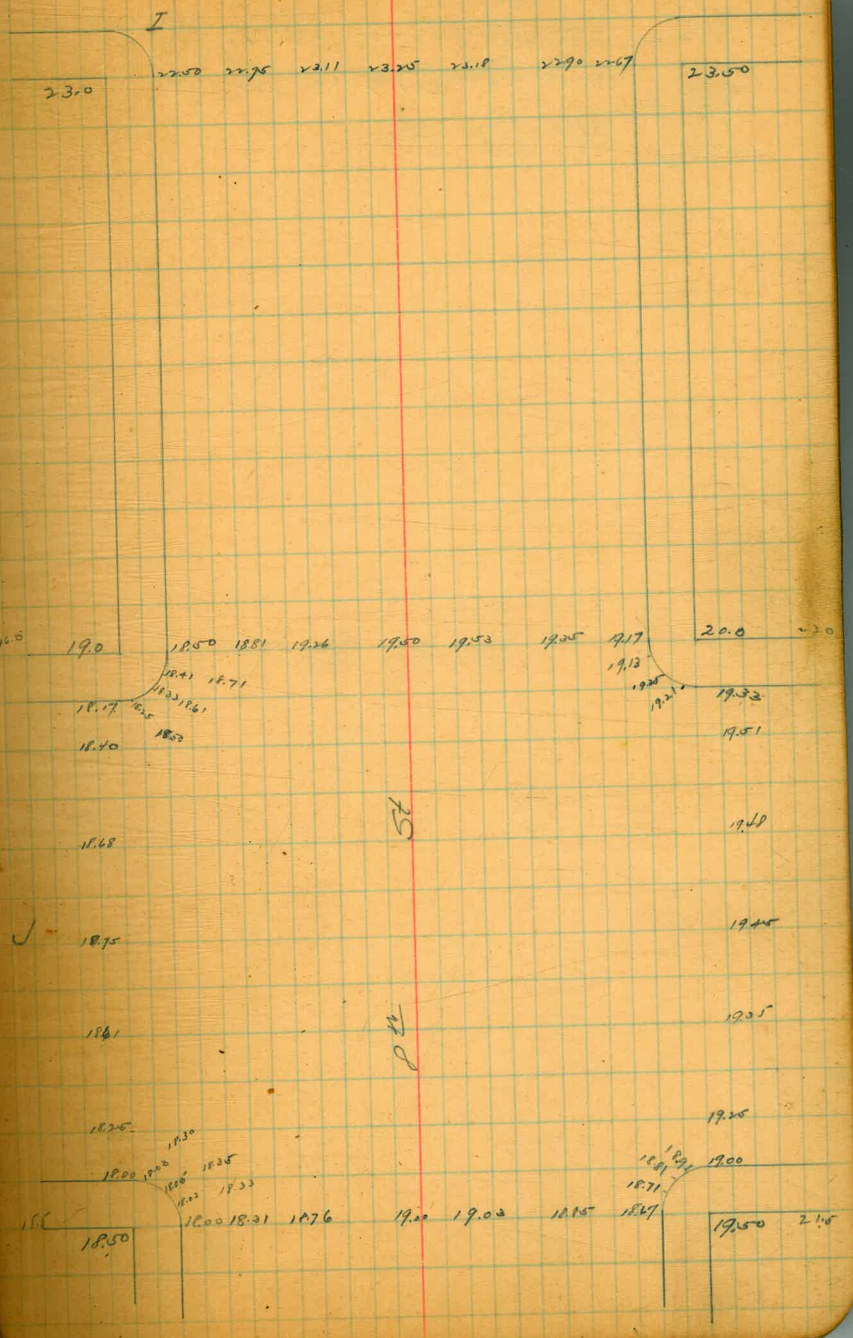
23.54 B.M.

H

I

J 19.00 N.W. pig.





K 14.99
3.70
18.73 H

14.50
4.23

14.99
4.05
19.04 H

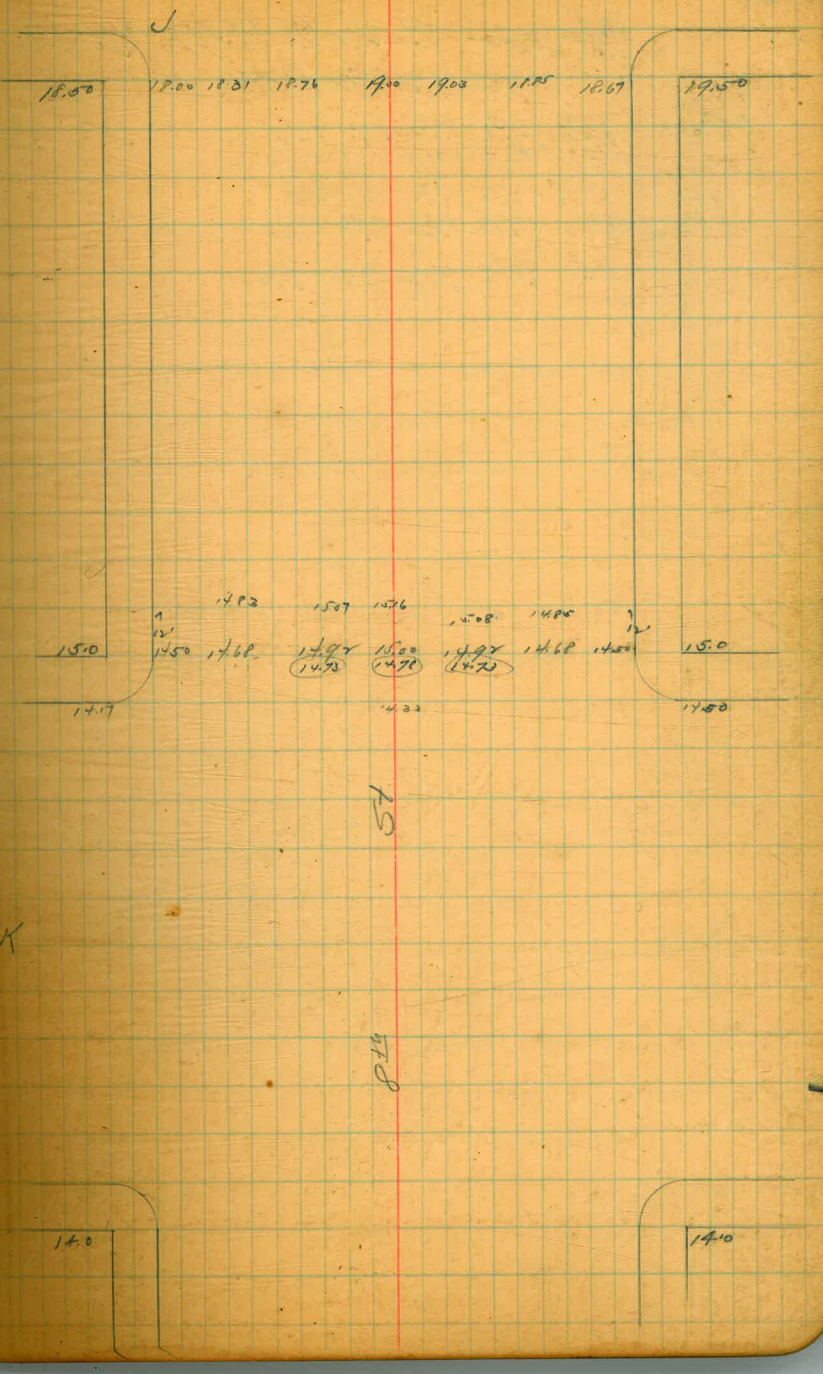
14.68 14.73 14.78 14.85 15.08 15.16 15.07 14.93
4.36 4.31 4.26 4.19 3.96 3.88 3.97 4.21

18.31 18.76 19.00 19.03 18.85
4.34 3.89 3.65 3.62 3.80

19.08
3.65
22.63 H

14.98
3.99
18.98 H

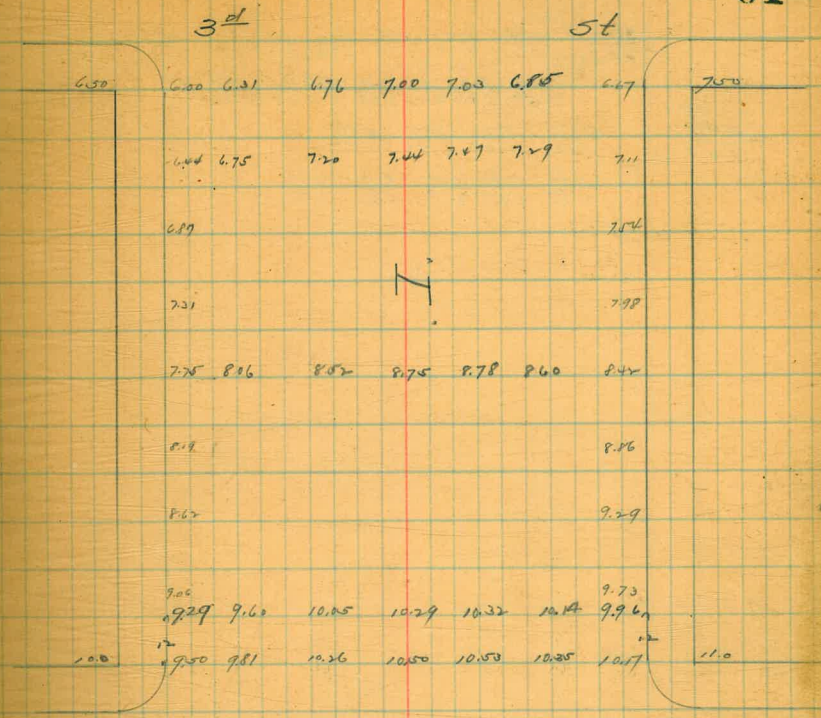
14.68 14.73 14.78
4.30 4.25 4.20



6.47 S.W 3d Plgrt
9.94 " " 4th " "

9.94 / 3.02 / 12.96 Ht	6.44 / 6.52	6.87 / 6.09	7.31 / 5.65	7.75 / 5.21	8.19 / 4.77	8.62 / 4.34	9.06 / 2.90	7.29 / 3.67	
	9.96 / 3.00	9.73 / 3.23	9.29 / 3.67	8.86 / 4.10	8.42 / 4.54	7.98 / 4.98	7.54 / 5.42	7.11 / 5.85	
9.94 / 2.56 / 12.50 Ht	7.29 / 5.21	7.47 / 5.03	7.44 / 5.06	7.20 / 5.30	6.75 / 5.75				
	8.06 / 4.44	8.52 / 3.98	8.75 / 3.75	8.78 / 3.72	8.60 / 3.90				
	10.14 / 2.36	10.32 / 2.18	10.29 / 2.21	10.05 / 2.45	9.60 / 2.90				
9.94 / 2.70 / 12.64 Ht	9.60 / 3.04	10.05 / 2.59	10.29 / 2.35	10.32 / 2.32	10.14 / 2.50				
	7.29 / 5.35	7.47 / 5.17	7.44 / 5.20	7.20 / 5.44	6.75 / 5.89				

Paving of I- St 3d to 4th



4th

St

S.W. 3d 1.48 plgrt.
S.W. 4th 4.91 " "

1.48
5.40
6.88 Hg

1.78 / 5.10 — 2.24 / 4.64 — 2.69 / 4.19 — 3.15 / 3.73 — 3.60 / 3.28 — 4.06 / 2.82 — 4.51 / 2.37 — 4.75 / 2.13

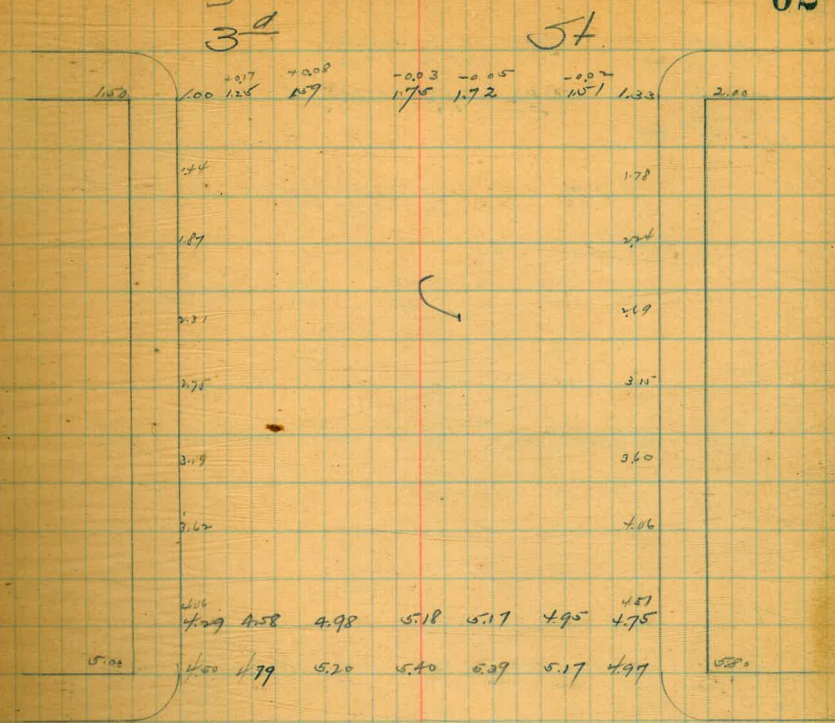
4.29 / 2.59 — 4.06 / 2.82 — 3.62 / 3.26 — 3.19 / 3.69 — 2.75 / 4.13 — 2.31 / 4.57 — 1.87 / 5.01 — 1.44 / 5.44

1.48
5.89
7.37 Hg

5.95 / 1.42 — 5.70 / 1.67 — 5.65 / 1.72 — 5.88 / 1.49

4.58 / 2.79 — 4.98 / 2.39 — 5.18 / 2.19 — 5.17 / 2.20 — 4.95 / 2.42

Paving of J St. 3d to 4th.



4th St.

St.

A 10547 - H.W. Plg.

4.64
110.11 HI

105.47
7.37
112.84 HI

105.00 / 5.11 — 3.16 / 106.75 — 104.33 / 5.78

106.33 / 6.51 — 111.33 / 1.51 — 109.50 / 3.34

105.47
6.77
112.24 HI

105 / 111.16 — 10.75 / 1.49

105.47
5.74
111.21

105.47
4.29
109.76

105.00 / 6.21 — 104.93 / 6.28 — 104.86 / 6.35 — 104.78 / 6.43 — 104.67 / 6.54 — 109.17 HI — 106.00 / 3.17 — 3.28 / 105.89 — 105.40 / 3.77

106.33 / 4.88 — 106.12 / 5.09 — 106.50 / 4.71

104.42 / 4.75 — 0.89 / 110.52

105.47
5.94
111.41 HI

110.05 / 1.36

104.50 / 5.26 — 104.45 / 5.31 — 104.41 / 5.35 — 104.37 / 5.39 — 104.33 / 5.43

104.32 / 5.46 — 104.37 / 5.39 — 104.45 / 5.35 — 104.45 / 5.31 — 104.50 / 5.26

105.47 Bm
7.49
112.96

105.00 / 7.96 — 105.35 / 7.61 — 105.90 / 7.06 — 106.25 / 6.71

109.50 / 3.46 — 109.90 / 3.06 — 110.54 / 2.42 — 111.40 / 1.96

105.47 Bm
6.85
112.32

106.25 / 6.07 — 106.41 / 5.91 — 106.42 / 5.90 — 106.33 / 5.99

111.0 / 1.32 — 111.27 / 1.05 — 111.38 / .94

105.47 Bm
4.31
109.78

104.58 / 5.20 — 104.62 / 5.16 — 104.67 / 5.11 — 104.71 / .07 — 104.75 / 5.03

104.90 / 4.88 — 104.82 / 4.96 — 104.74 / 5.04 — 104.66 / 5.12

105.47
4.33
109.80

104.67 / 5.13 — 104.90 / 4.90 — 105.15 / 4.62 — 105.25 / 4.55 — 105.11 / 4.69 — 104.75 / 5.05 — 104.67 / 5.13

104.90 / 4.90 — 105.55 / 4.25 — 106.00 / 3.80 — 106.27 / 3.53 — 106.38 / 3.42 — 106.33 / 3.47

105.47 Bm
3.91
109.38

106.42 / 3.38 — 106.41 / 3.39 — 106.25 / 3.55 — 105.90 / 3.90 — 105.35 / 4.45

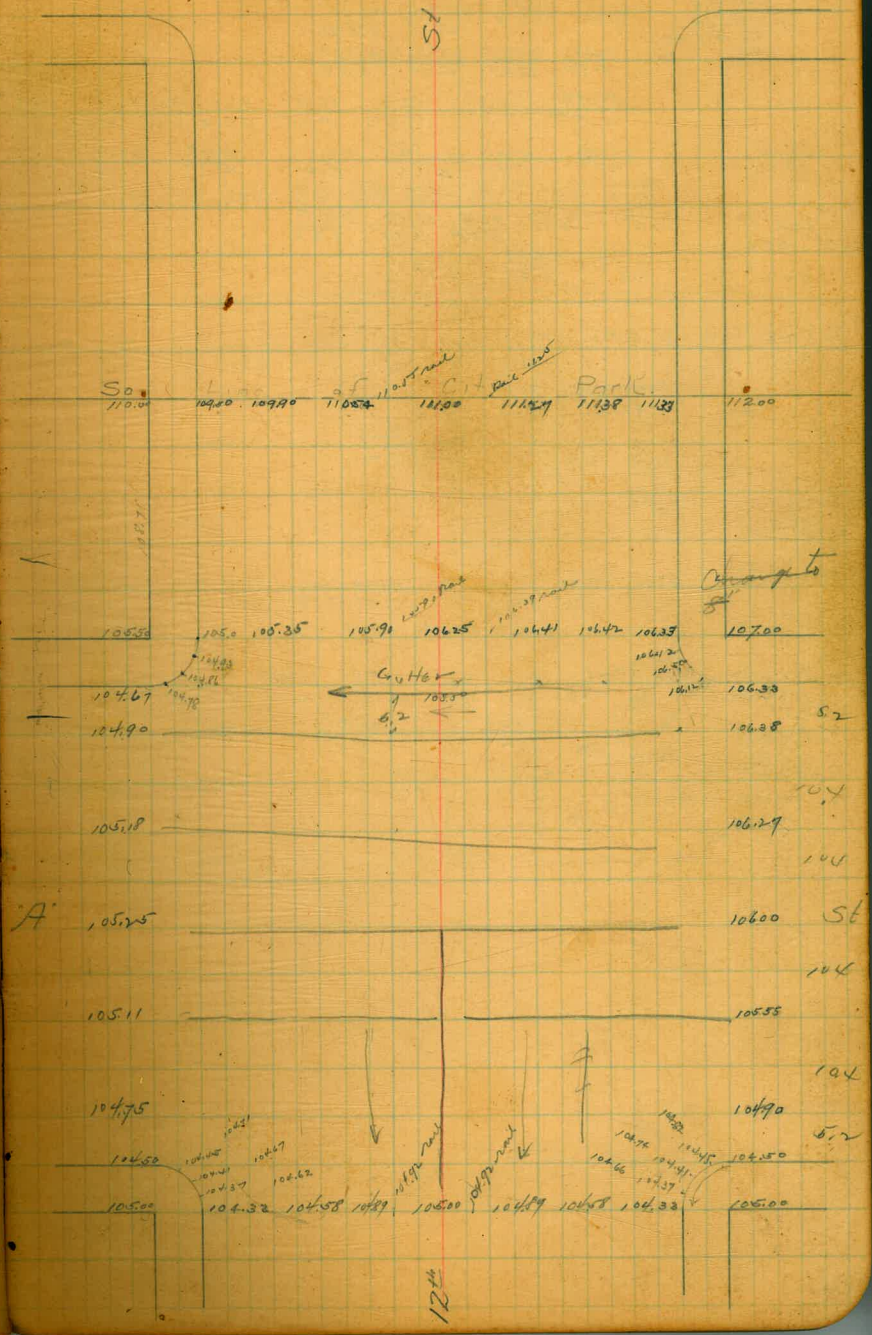
106.00 / 3.38 — 105.55 / 3.83 — 106.25 / 3.13 — 106.41 / 3.97 — 106.29 / 3.09 — 105.90 / 3.48 — 105.35 / 4.03

105.00 / 104.92 / 5.52 — 104.86 / 6.02 — 104.78 — 106.39 — 105.89 / 4.55 — 5.44

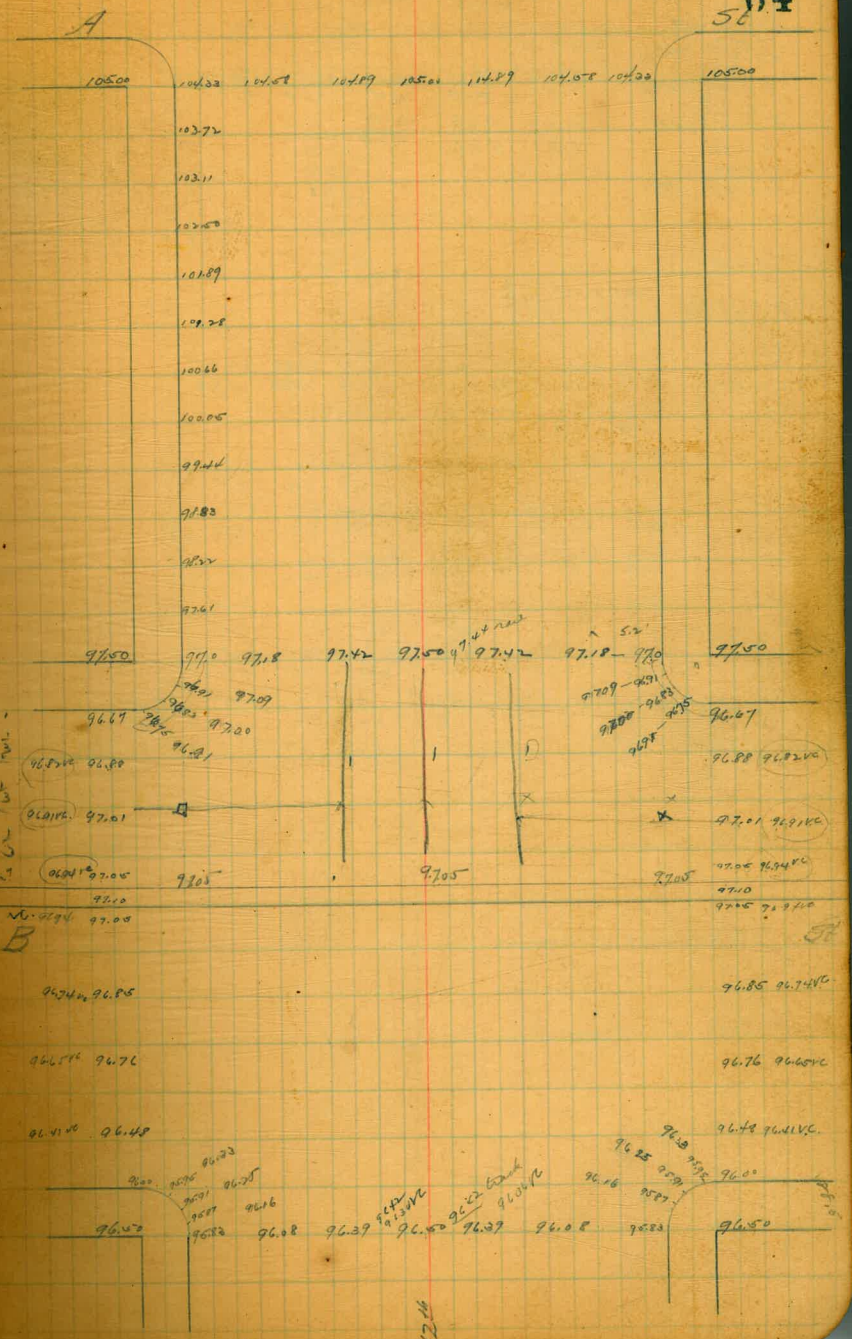
105.47
3.97
110.44 HI

105.47
3.70
109.17 HI

Paving of 12th St - Park to M. St.



B 97.48 N.W. Pig.



C 84.48 N.W plg.

4.27
88.45 HI

84.50 / 4.25 — 83.50 / 5.25

84.48 BM
3.40
87.88 HI

82.83 / 5.05 — 4.07 / 12.79 — 83.83 / .05 — 84.00 / 3.88 — 83.83 / 4.05

84.48 BM
4.9
88.57 HI

84.06 / 4.51 — 84.38 / 4.19 — 84.50 / 4.07 — 84.44 / 4.13 — 84.20 / 4.37

9748
3.31
100.79 HI

96.08 / 4.71 — 96.39 / 4.40 — 96.50 / 4.29

8448
394
88.42

8413
4.39

83.50
4.68

83.39
4.79

8448
370
88.18

4.64

84.48 BM.
3.61
88.09

8809
4.29
83.80

8809
524
8285

8448
401
88.49

8319
5.30

8400
4.40

8448 Bm
368
88.16

8379 / 4.37 — 8395 / 4.21 — 8405 / 4.08 — 8400 / 4.16 — 8370 / 4.16 — 8399 / 4.97 — 8285 / 5.21

8283 / 5.33 — 8308 / 5.08 — 8339 / 4.77 — 8350 / 4.66 — 8250 / 5.66

8400 / 4.16 — 8420 / 3.96 — 8440 / 3.74 — 8450 / 3.66 — 8438 / 3.78 — 8406 / 4.10 — 8367 / 4.49 — 8375 / 4.41

8395 / 4.21 — 8390 / 4.26 — 8385 / 4.31 — 8287 / 5.29 — 8290 / 5.26 — 8295 / 5.21 — 8291 / 5.25 — 8371 / 4.45 — 8379 / 4.37

8331 / 4.85 — 8325 / 4.91 — 8319 / 4.97 — 8313 / 5.03 — 8385 / 4.31 — 8390 / 4.26 — 8396 / 4.20 — 8401 / 4.15

8414 / 4.02 — 8408 / 4.08 — 8401 / 4.15 — 8317 / 4.99 — 8313 / 5.03 — 8310 / 5.06 — 8403 / 4.13 — 8400 / 4.16 — 8376 / 4.40

8448
3.97
88.45

8401 / 4.44 — 8408 / 4.37 — 8414 / 3.1 — 8420 / 4.25 — 8396 / 4.49 — 8400 / 4.45 — 4.68 / 84.40

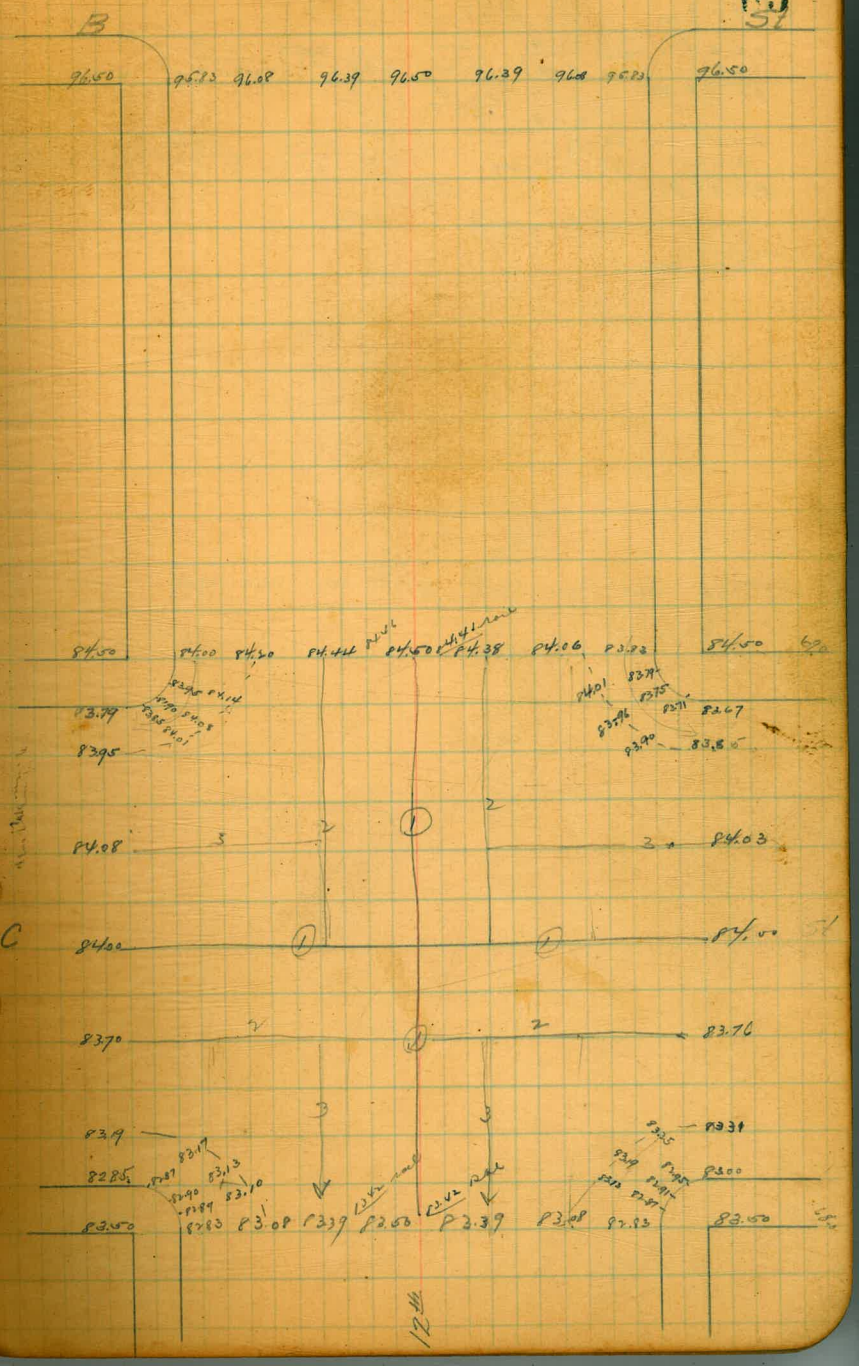
84.48
3.12
87.60

4.18 / 83.42 — 82.92 / 4.68 — 83.50 / 4.10 — 84.48 / 4.60 / 89.08 HI

84.41 — 83.91 / 5.17

84.48
1.48
88.96 HI

4.50 / 84.46 — 4.90 / 84.06 — 5.40 — 5.56 / 84.40 — 82.92 / 6.04



D 72.64 N.W plg.

2.93
75.57 H1

3.58 4.54 5.87 5.60
71.99 71.03 69.70 69.97

72.64
3.66
76.30 H1

72.75 72.91 73.04 72.96 72.67 72.17
3.55 3.39 3.26 3.34 3.63 4.13

83.08 83.39 83.50
4.63 4.32 4.21

8448
3.23
87.71 H1

72.64
4.685
77.325 H1

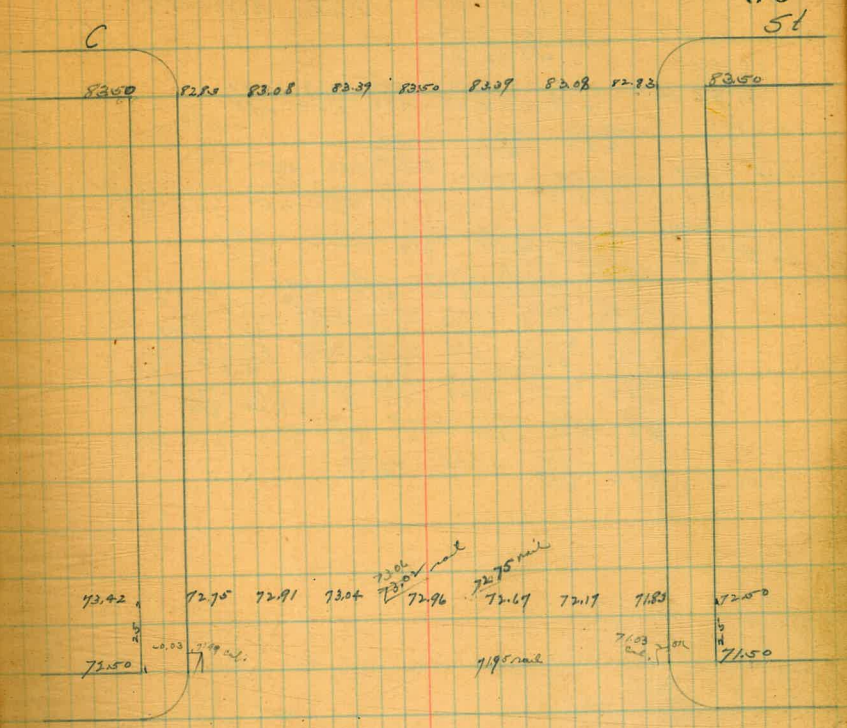
72.75 72.25 5.52 71.35 5.38
4.57 5.07 71.80 5.97 94

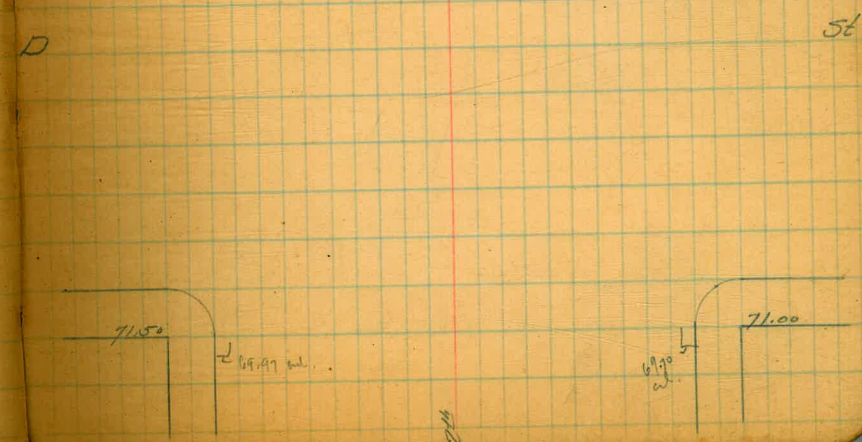
71.45
5.87

5.56

72.64
4.62
77.26 H1

4.20 72.56
73.06 4.70





E 66.53 N.W Plg.

4.46	65.83	3.51	66.83	64.83	64.33	69.16
70.99 HI	5.16	17.48	4.16	6.16	6.66	1.83

75.57 HI 69.16 5.50
6.41 70.07

66.53	66.18	66.69	67.00	67.09	66.98
5.43	5.78	5.27	4.96	4.87	4.98
71.96 HI					

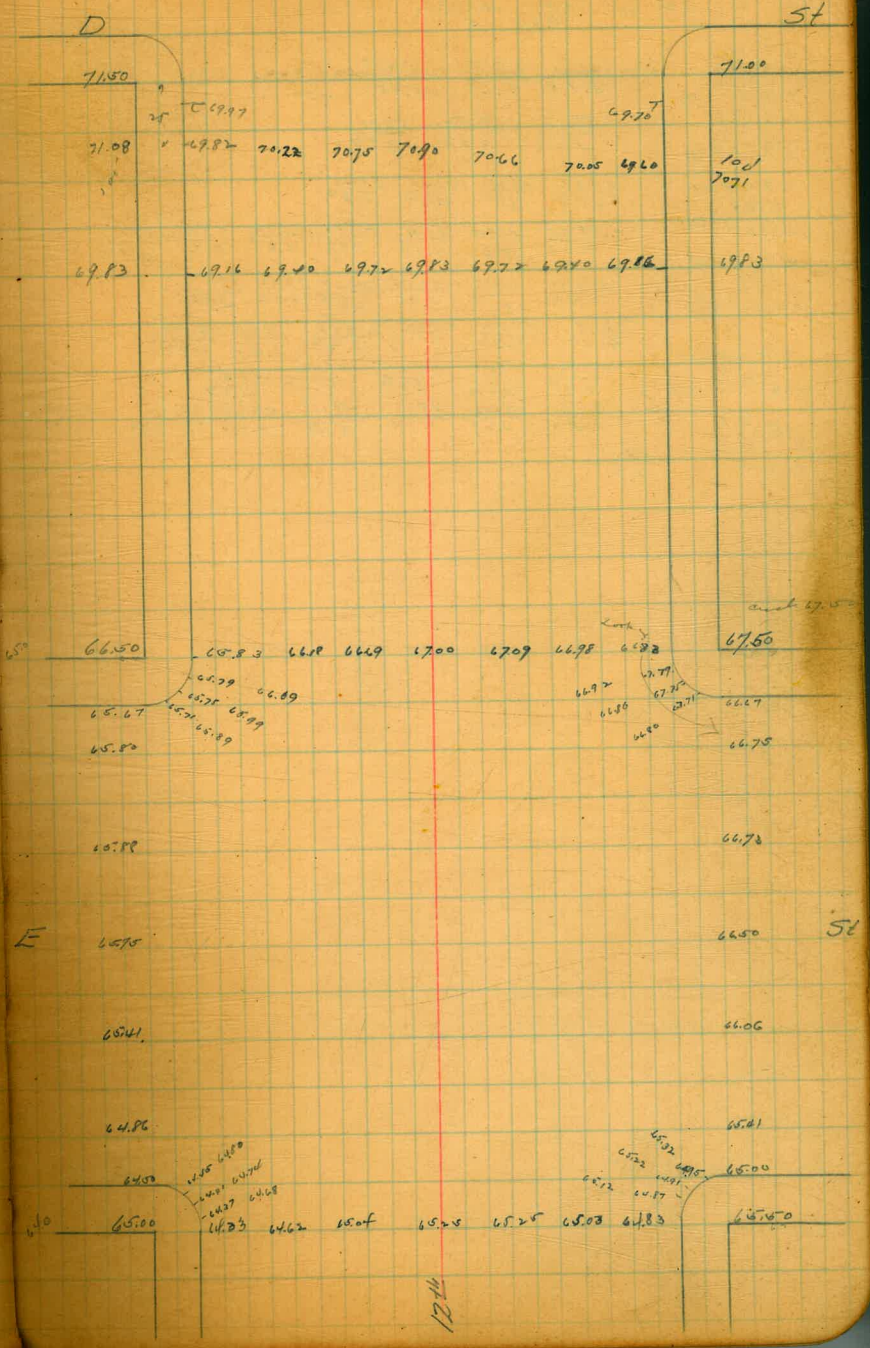
72.64	69.40	69.72	69.83
1.77	2.56	2.24	2.13
74.41 HI			

4.59	4.81	70.22	70.75	70.90	70.66	70.05	69.40	
69.82	69.60	4.19	3.66	3.51	3.75	4.36	5.01	

66.53 B.M.	69.72	69.83	69.72	70.22	69.40
3.17	4.69	4.58	4.69		5.01
69.70 HI					

66.18	66.69	67.00	67.09	66.98	66.92	66.86	66.80	66.75	
3.52	3.01	2.70	2.61	2.72	2.78	2.84	2.90	2.95	
66.73	66.50	66.06	65.41	65.32	65.22	65.12	65.03	65.25	
2.97	3.20	3.64	4.29	4.38	4.48	4.58	4.67	4.45	
65.04	64.62	64.68	64.74	64.80	64.86	65.41	65.75		
4.66	5.08	5.02	4.96	4.90	4.84	4.29	3.96		
65.88	65.80	65.89	65.99	66.67	67.71	67.75	67.79		
3.82	3.90	3.81	3.71	3.03	2.99	2.95	2.91		
65.79	65.75	65.71	65.67	64.50	64.45	64.41	64.37		
3.91	3.95	3.99	4.03	5.20	5.25	5.29	5.33		
64.87	64.91	64.95	65.00						
4.83	4.79	4.75	4.70						

4.48



F 59.49. N.W. Pig.

4.6
63.65 HI

59.00 / 4.65 — 58.33 / 5.32

59.49
3.20
~~62.69~~ HI

64.62 / 5.11 — 65.04 / 4.69 — 15.25 / 4.48 — 65.03 / 4.70

66.53
3.20
~~69.73~~ HI

59.18 / 4.06 — 59.42 / 3.82 — 59.50 / 3.74

~~59.49 BM~~
3.75
~~63.24~~ HI

58.37 / 4.68 — 58.33 / 4.72 — 58.41 / 4.64 — 58.45 / 4.60

58.75 / 4.30 — 58.83 / 4.22 — 58.91 / 4.14 — 58.99 / 4.06 — 59.16 / 3.89 — 59.25 / 3.80 — 59.15 / 3.90 — 58.16 / 4.19

59.49 BM.
3.56
63.05 HI

58.57 / 4.48 — 58.89 / 4.16 — 59.00 / 4.05 — 59.18 / 3.87 — 59.42 / 3.63 — 59.50 / 3.55

58.79 / 4.26 — 58.72 / 4.33 — 58.64 / 4.41 — 59.03 / 4.02 — 59.08 / 3.97 — 59.13 / 3.92

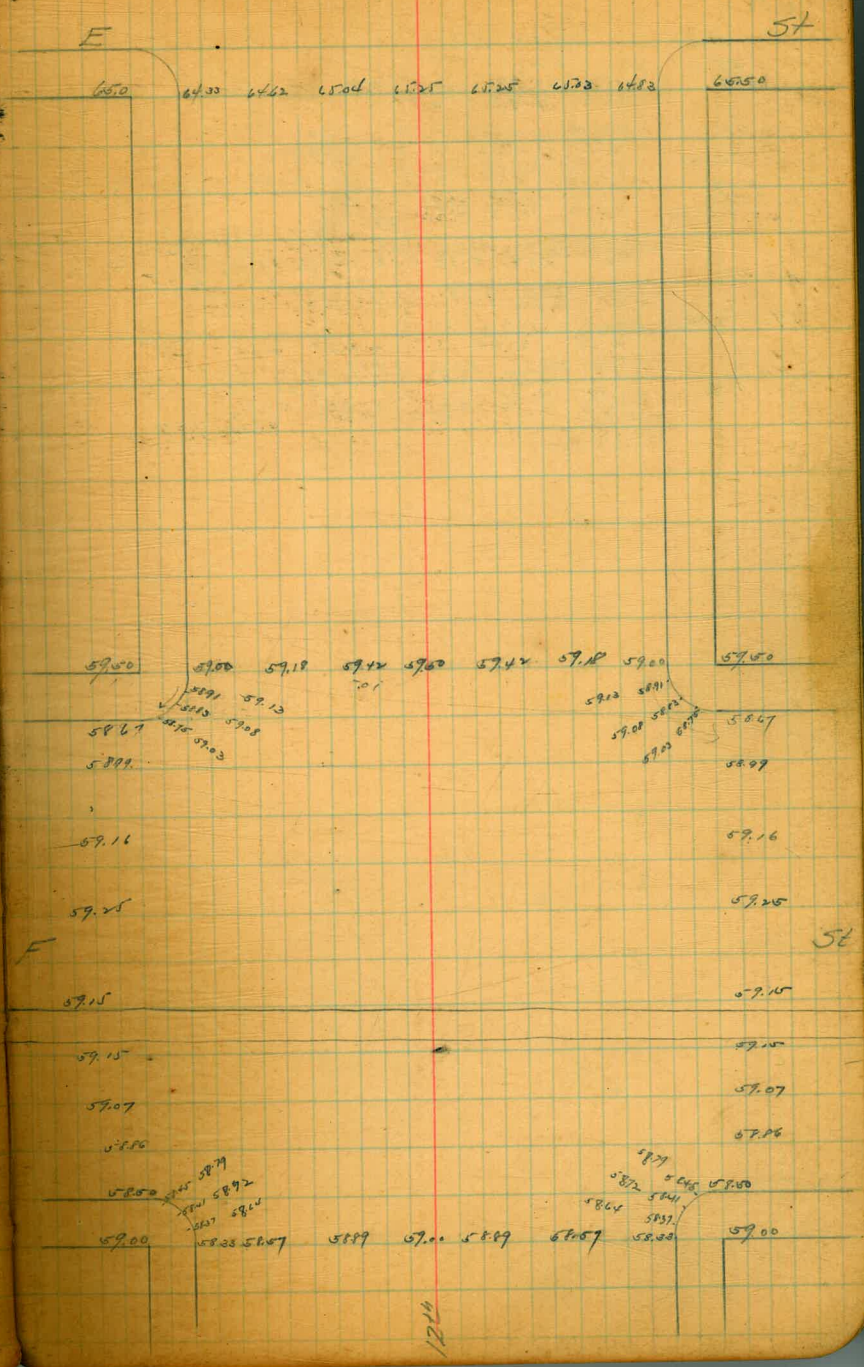
59.49 BM.
3.65
63.14 HI

58.86 / 4.28 — 59.07 / 4.07 — 59.15 / 3.99 — 58.86 / 4.28 — 59.07 / 4.07

58.57 / 4.57 — 58.89 / 4.25 — 59.00 / 4.14 — 59.15 / 3.99 — 59.25 / 3.89 — 59.16 / 3.98 — 58.99 / 4.15

3.47
59.49
62.96

59.15 / 3.81



G 53.48 N.W. P/g

4.92 52.33 53.00
58.41 Ht. 6.08 5.41
62.97 Ht. 58.57 58.89 59.00
4.40 4.08 3.97

53.48 53.18 53.42 53.50 52.89
4.20 4.26 4.18 4.79
57.68 Ht. 52.58 52.89 53.00 52.37 52.41 52.45 52.50
5.35 5.04 4.93 5.56 5.52 5.48 5.43
53.48 52.83 52.87 52.91 52.95
57.93 Ht. 5.10 5.06 5.02 4.98
53.18 53.42 53.50
4.75 4.51 4.43
52.62 52.66 52.71 52.75 53.09 53.25 53.22 53.01
5.21 5.27 5.22 5.18 4.84 4.68 4.71 4.92

53.48 53.05 53.09 53.14 53.25 52.58 52.89
3.62 4.88 4.84 4.79 3.85 4.52 4.21
57.10 Ht. 53.05 52.62 52.66 52.71 52.75 53.09 53.25
4.05 4.48 4.44 4.39 4.35 4.01 3.85

53.48 53.22 53.01 53.05 53.09 53.14 53.18 53.42 53.50
3.58 3.88 4.09 4.05 4.01 3.96 3.92 3.68 3.60
57.06 Ht. 53.09 52.89 53.05 52.62 53.09 53.17
3.97 4.17 4.01 4.44 3.97 3.89
53.09
3.97

5t

F

59.00 58.33 58.57 58.89 59.00 58.89 58.57 58.33 59.00

53.50 53.00 53.18 53.42 53.50 53.42 53.18 53.00 53.50

52.83 52.87 52.91 53.09 53.05 53.14 53.09 52.91 52.87 53.05 52.83

53.01 53.01

53.22 53.22

G 53.25 53.25 5t

53.09 53.09

52.75 52.75

52.50 52.45 52.41 52.66 52.37 52.62 52.71 52.66 52.45 52.41 52.62 52.37 52.50

53.00 52.33 52.58 52.89 53.00 52.89 52.58 52.33 53.00

12th

H 48.43 N. W pig.

5.10 | 5.66 | 5.62 | .375 | 3.75 / 3 / 1.125

48.43 / 6.05 / 54.48 Ht | 48.45 / 6.03 | 48.76 / 5.72 | 48.87 / 5.61 | 52.58 / 1.90 | 52.89 / 1.59 | 53.00 / 1.48

48.43 / 4.66 / 53.09 Ht | 48.87 / 4.22 / 4.47 | 48.87 / 3.75 / 49.245 | 4.22 / 37 / 3.85 | 48.76 / 4.33 / 37 / 3.96 | 48.45 / 4.64 / 37 / 4.27 / 25 / 4.52 | 53.00 / 5.18 / 5.18 / 37 / 5.56 / 37 / 5.93

57.06 Ht. | 52.25 / 4.81 | 52.89 / 75 / 52.14 / 4.92 / 25 / 5.17 | 52.89 / 4.19 / 52.52 / 4.54 | 52.89 / 11 / 51.77 / 5.29 / 37 / 5.66

5t

G | 5t

53.00 | 52.33 | 52.58 | 52.89 | 53.00 | 52.89 | 52.58 | 52.33 | 53.00

48.87 | 48.20 | 48.45 | 48.76 | 48.87 | 48.76 | 48.45 | 48.20 | 48.87

48.50 | 47.83 | 5' | 47.892 | 48.50

53.00 / 48.50 / 64.50 / 36.45 / .0150 / .075 / 18.57

H | 5t

12th

I 42.96 N.W plg.

47.1
47.67 HI

42.50 43.17 42.17 41.50
45.17 4.50 5.50 6.17

48.43
3.04
51.47 HI

4.64 5.27 45.50
46.83 46.20 5.97

42.96
6.20
49.16 HI

43.17 3.10 2.71
5.99 46.06 46.45

46.74
2.42

46.43 46.98 47.17 47.13
2.73 2.18 1.99 2.03

43.35 43.53 43.50 43.26 42.81
5.81 5.63 5.66 5.90 6.35

42.96 BM
3.68
46.64 HI

45.63 46.04 46.17 46.08 45.75
3.53 3.12 2.99 3.08 3.41

42.81 43.26 43.50 43.53 43.35 43.25 43.14 42.97 42.80
3.83 3.35 3.14 3.11 3.29 3.39 3.50 3.67 3.84

42.35 42.53 42.50 42.23 41.81 41.80 47.98 42.15 42.25
4.29 4.11 4.14 4.38 4.83 4.84 4.66 4.49 4.39

42.25 42.17 42.33 42.50 42.43 43.10 43.20 43.10 43.17
4.29 4.47 4.31 4.14 4.21 3.54 3.44 3.54 3.47

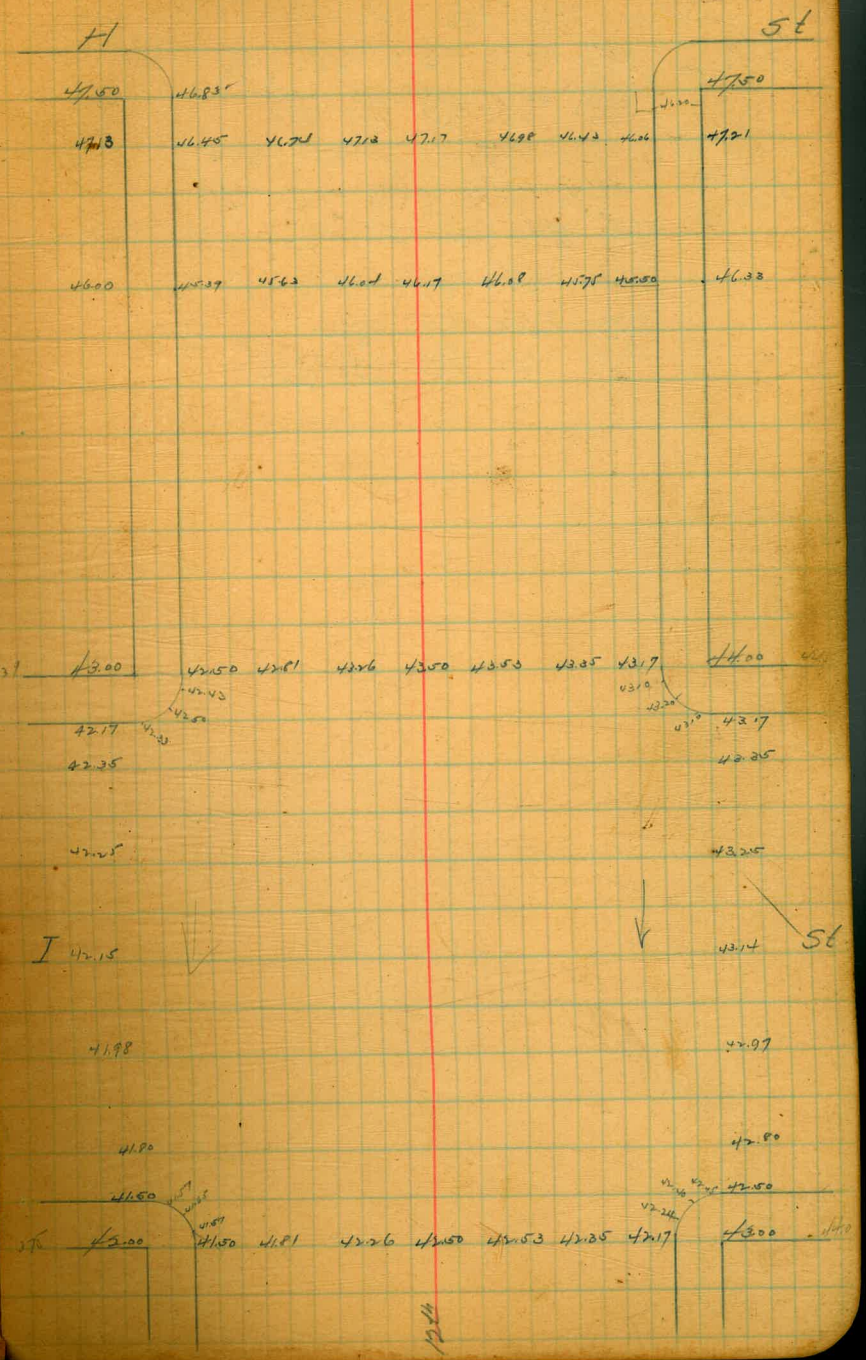
42.50 42.45 42.40 42.24 41.57 41.65 41.57 41.50
4.14 4.19 4.24 4.40 5.07 4.99 5.07 5.14

42.96
6.10
49.06 HI

45.43 46.04 46.17 46.08 45.75
2.43 2.02 2.89 2.98 3.31

42.81 43.26 43.35 43.50 46.74 47.13 47.17
6.25 5.80 5.71 5.56 2.32 1.93 1.89

46.98 46.43
2.08 2.63



J 32.97 S.W p'g

6.02
38.99 Ht.

32.50 / 6.49 — 33.17 / 5.82 — 34.17 / 4.82 — 3.92 / 5.07 — 33.50 / 5.49

42.96
3.58
46.54 Ht.

41.81 / 4.73 — 42.26 / 4.28 — 42.50 / 4.04 — 42.53 / 4.01 — 42.35 / 4.19 — 2.26 / 1.81 / .46

32.97
5.61
~~38.58~~ Ht.

33.81 / 4.77 — 34.26 / 4.32 — 34.50 / 4.08 — 34.53 / 4.05 — 34.35 / 4.23

32.97 BM.
5.02
37.99 Ht.

32.81 / 5.18 — 33.26 / 4.73 — 33.50 / 4.49 — 33.53 / 4.46 — 33.35 / 4.64

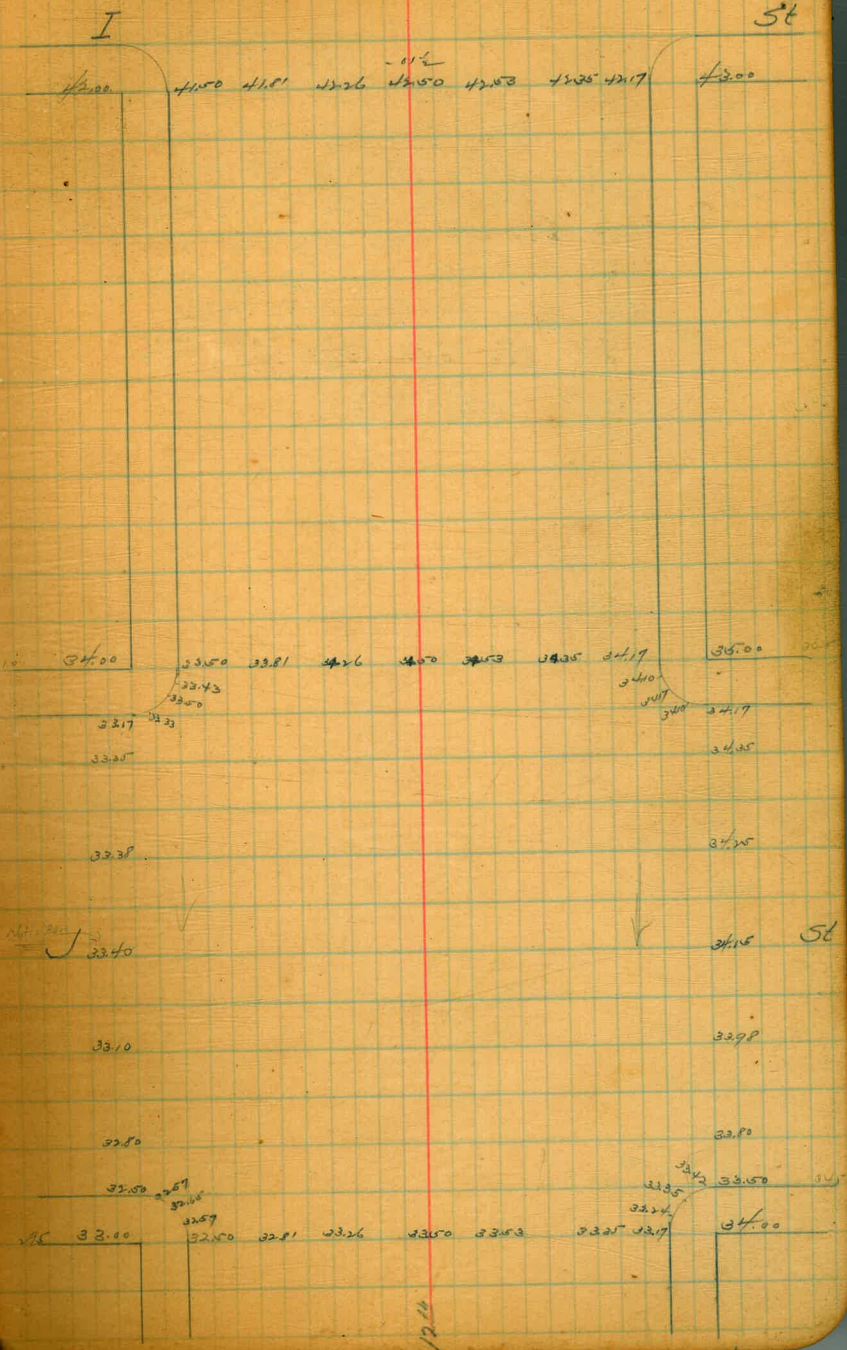
34.35 / 3.64 — 34.53 / 3.46 — 34.50 / 3.49 — 34.26 / 3.73 — 33.81 / 4.18

34.10 / 3.89 — 34.17 / 3.82 — 33.50 / 4.49 — 33.17 / 4.82 — 33.24 / 4.75 — 33.35 / 4.64 — 33.42 / 4.57 — 33.50 / 4.49

32.57 / 5.42 — 32.65 / 5.34 — 32.57 / 5.42 — 32.50 / 5.49 — 33.17 / 4.82 — 33.33 / 4.66 — 33.50 / 4.49

33.43 / 4.56 — 33.35 / 4.64 — 33.38 / 4.61 — 33.40 / 4.59 — 33.10 / 4.89 — 32.80 / 5.19

33.80 / 4.19 — 33.98 / 4.01 — 34.15 / 3.84 — 34.25 / 3.74 — 34.35 / 3.64



K 21.45 N.W plg.

21.45 / 3.68 / 25.13 Hl — 20.67 / 4.46 — 20.10 / 5.13 — 21.45 / 3.42 / 24.87 Hl — 20.67 / 4.20 — 20.0 / 4.87

21.45 / 4.43 / ~~25.88~~ Hl — 20.85 / 5.03 — 20.86 / 5.02 — 20.59 / 5.29 — 20.31 / 5.57 — 20.83 / 5.05 — 21.27 / 4.61 — 21.50 / 4.38 — 21.52 / 4.36 — 21.33 / 4.55

32.97 / 3.56 / 36.53 Hl — 32.81 / 3.72 — 33.26 / 3.27 — 33.50 / 3.03 — 33.53 / 3.00 — 33.35 / 3.18

21.45 / 1.93 / 23.38 — 2.50 / 20.88 — 3.88 / 19.50 — 19.75 / 3.63 — 19.91 / 3.48 — 20.07 / 3.31 — 20.23 / 3.15 — 20.40 / 2.98 — 20.67 / 2.71

20.80 / 2.58 — 19.40 / 3.98 — 19.12 / 4.26 — 18.66 / 4.72 — 18.59 / 4.79 — 18.53 / 4.85 — 18.47 / 4.91 — 18.41 / 4.97

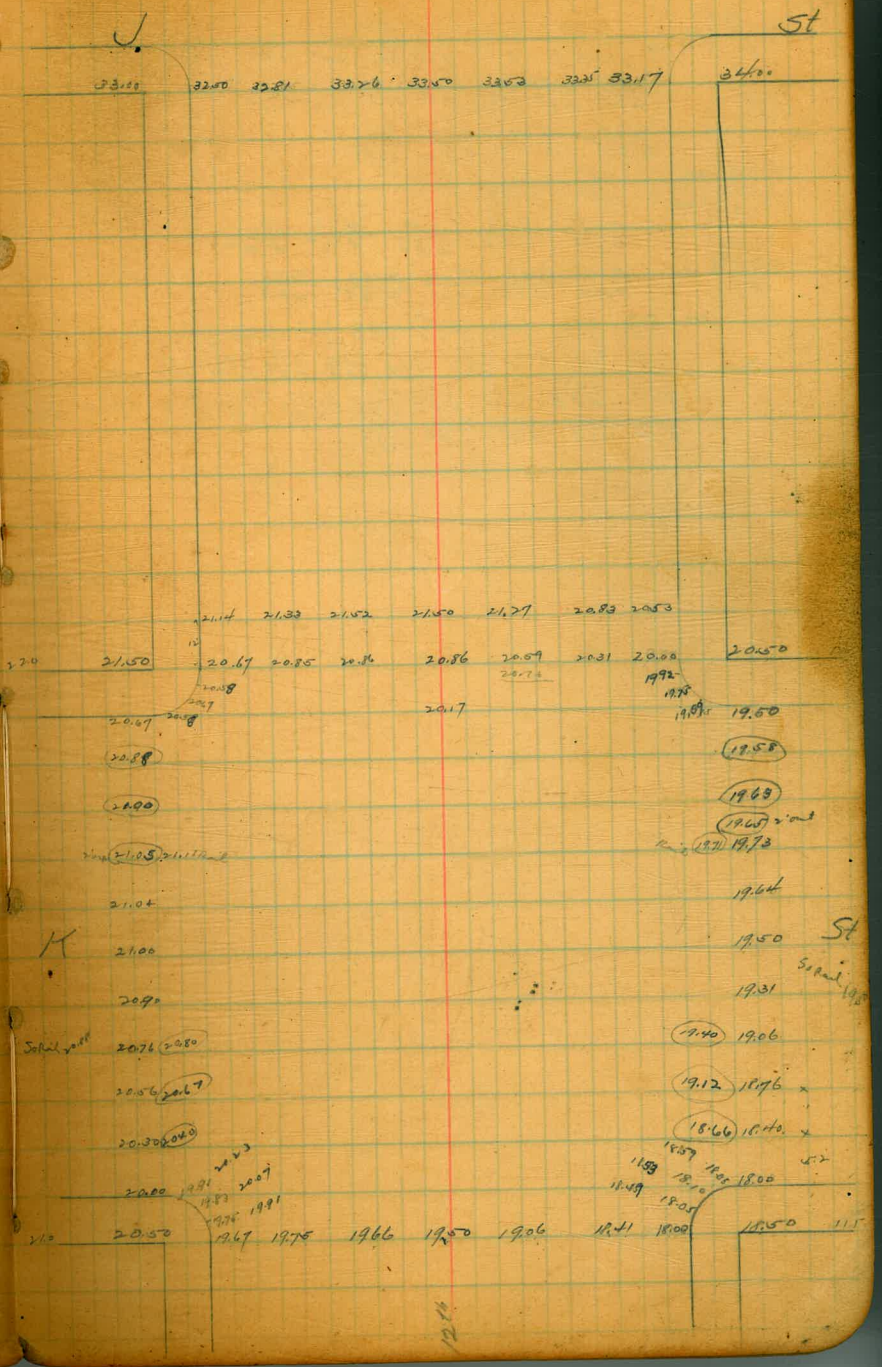
18.05 / 5.33 — 18.10 / 5.28 — 19.75 / 3.63 — 19.83 / 3.55 — 19.91 / 3.47 — 20.00 / 3.38 — 19.62 / 2.72

3.67 / 19.71 — 2.27 / 21.11 — 20.58 / 2.80 — 20.67 / 2.71 — 19.92 / 3.46 — 19.50 / 3.88 — 19.59 / 3.79 — 19.75 / 3.63

21.45 / 4.82 / 26.27 Hl — 19.65 / 3.73 — 19.63 / 3.75 — 19.58 / 3.80 — 20.88 / 2.50 — 21.00 / 2.38 — 21.05 / 2.33

21.27 / 5.00 — 21.81 / 4.46 — 22.86 / 3.41 — 23.91 / 2.36 — 24.96 / 1.31 — 26.09 / 18

22.89 / 3.38 — 23.95 / 2.32 — 25.02 / 1.25



L N.E 8.48 RR spk pole

8.48
12.04
20.52 HI

9.50 / 11.02 — 11.33 / 9.19 — 13.17 / 7.35 — 15.00 / 14.50 / 5.52 — 16.83 / 3.69 — 18.67 / 1.85 — 20.50 / 0.02

18.50 / 2.02 — 16.83 / 3.69 — 15.17 / 5.35 — 13.50 / 7.02 — 11.83 / 8.69 — 10.17 / 10.35 — 8.50 / 12.02 — 3.0

8.48
5.32
13.80 HI

6.83 / 6.97 — 7.67 / 6.13 — 8.67 / 5.13 — 8.00 / 5.80

21.45 BM
3.02
24.47 HI

19.67 / 4.80 — 18.00 / 6.47

19.75 / 4.38 — 19.66 / 4.47 — 19.50 / 4.63 — 19.06 / 5.07 — 18.41 / 5.72

21.45
2.68
24.13 HI
4.63
8.48
13.11 HI

8.85 / 4.26 — 9.03 / 4.08 — 9.00 / 4.11 — 8.76 / 4.35 — 8.31 / 4.80

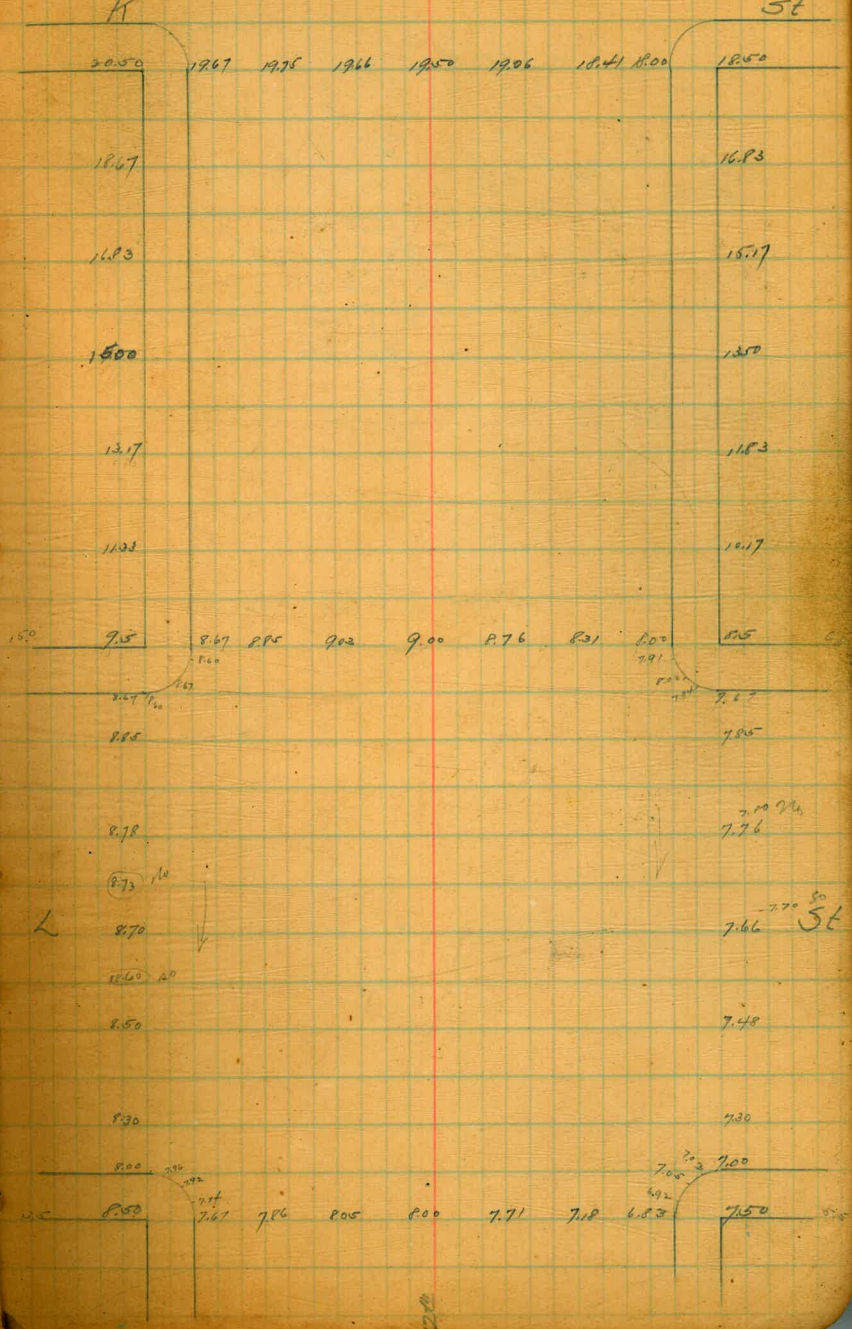
8.48 BM
4.30
12.78 HI

8.31 / 4.47 — 8.76 / 4.02 — 9.00 / 3.78 — 8.85 / 3.93 — 8.60 / 4.18 — 8.67 / 4.11 — 8.00 / 4.78 — 7.96 / 4.82 — 7.92 / 4.86 — 7.74 / 5.04

7.86 / 4.92 — 8.05 / 4.73 — 8.00 / 4.78 — 7.71 / 5.07 — 7.18 / 5.60 — 6.92 / 5.86 — 7.05 / 5.73 — 7.03 / 5.75 — 7.00 / 5.78

7.67 / 5.11 — 7.84 / 4.94 — 8.00 / 4.78 — 7.91 / 4.87 — 8.85 / 3.93 — 8.78 / 4.00 — 8.73 / 4.05 — 8.60 / 4.18 — 8.50 / 4.28 — 8.30 / 4.48

7.30 / 5.48 — 7.48 / 5.30 — 7.70 / 5.08 — 7.80 / 4.98 — 7.85 / 4.93



Mt 3.53 N.E pig rt.

6.76
10.29 Mt

4.50
5.79

7.42
3.53
10.95 Mt

4.50 5.17 5.83 6.50 7.17 7.83 8.50
6.45 5.76 5.12 4.45 3.78 3.12 2.45

2.46
8.49

7.50
5.45

6.83 6.17 5.50 5.06 4.96 3.55
4.12 4.78 5.45 5.89 5.99 7.40

4.44
7.83
12.27

7.17
5.10

3.83 3.00 3.05 4.56
4.91 5.74 5.69 4.18

3.53
5.21
~~8.74~~ Mt

4.93
3.53
8.46 Mt

3.96 3.85 3.73 3.52 3.30
4.50 4.61 4.73 4.94 5.16

3.36 3.82 4.11 4.20 4.12
5.10 4.64 4.35 4.26 4.34

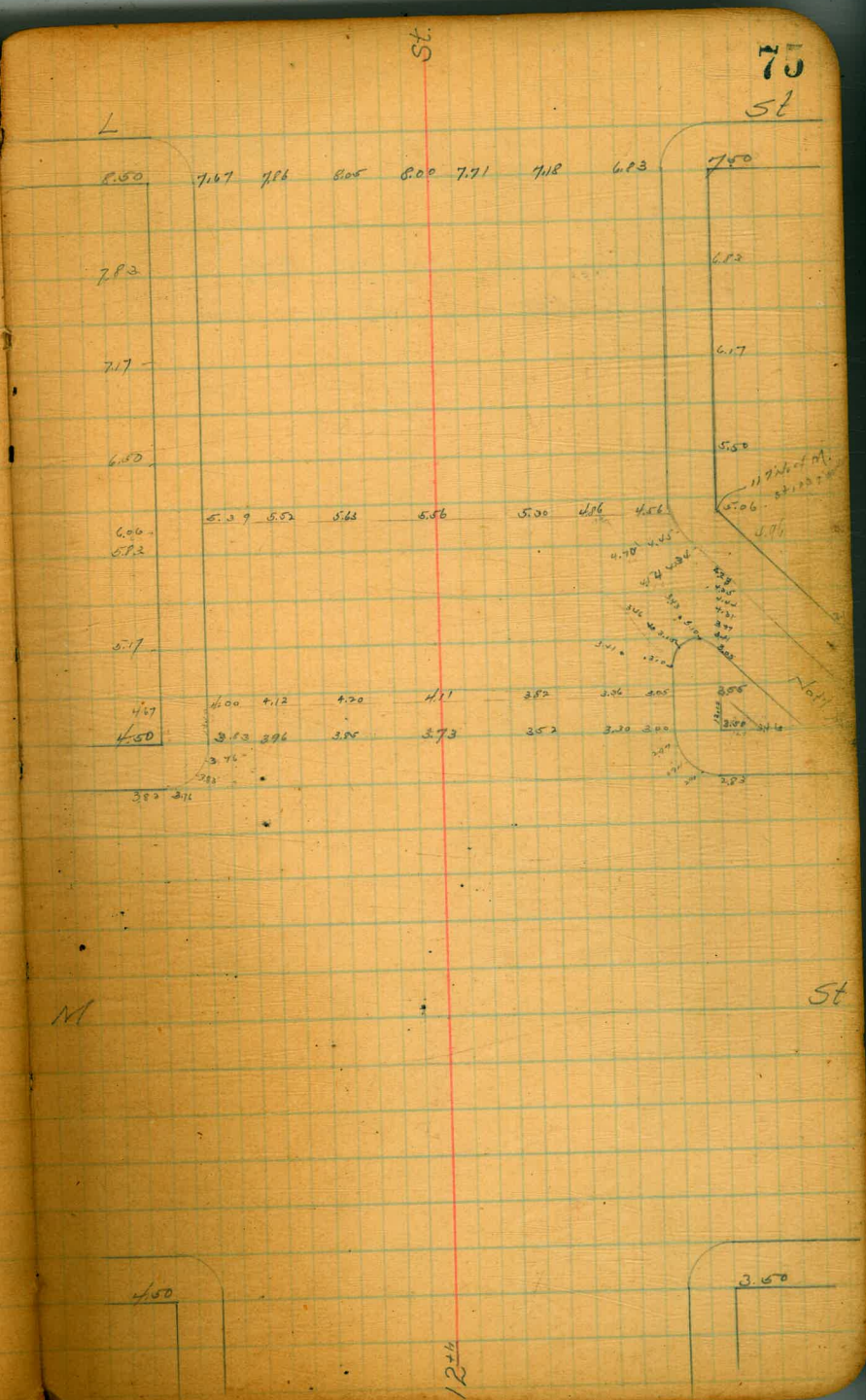
5.52 5.63 5.56 5.30 4.86
2.94 2.80 2.90 3.16 3.60

4.35 4.44 4.31 3.97 3.41 3.10 3.15 3.05
4.11 4.02 4.15 4.49 5.05 5.36 5.31 5.41

8.48
4.48
12.96 Mt

4.23 4.34 4.45 4.70 4.54 3.43 3.46 3.41
4.23 4.12 4.01 3.76 3.92 5.03 5.00 5.00

7.86 8.05 8.00 7.71 7.18
5.10 4.91 4.96 5.25 5.78



1st 112.93 N.E. Plg.

2d 118.90 N.W plg.

118.90
30
119.20 M

113.00 / 6.20 — 111.50 / 7.70

2.03
117.17

113.50 / 2.70 — 115.75 / 3.45 — 115.00 / 4.20 — 114.25 / 4.95 — 113.50 / 5.70 — 112.75 / 6.45

7.63 / 109.57 — 115.50 / 3.70

118.90
0.10
119.00 M

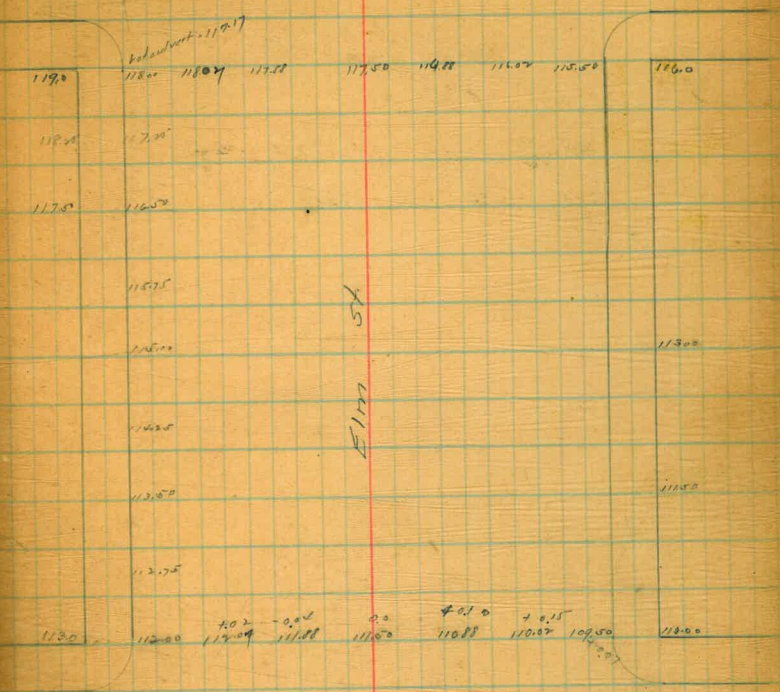
117.25 / 2.75 — 118.00 / 1.00

118.07 / 0.93 — 117.88 / 1.12 — 117.50 / 1.50 — 116.88 / 2.12 — 116.02 / 2.98

112.07 / 6.93 — 111.88 / 7.12 — 111.50 / 7.50 — 110.88 / 8.12 — 110.02 / 8.98

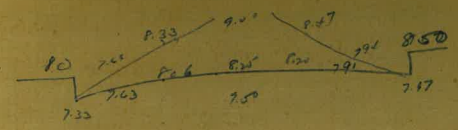
Paving of Elm St 1st to 2d

Second St



First St.

#380



9.00
7.67
5 | 1.33
.266

7.33
.266
7.596
532
8.128
.660

7.67
266
7.936
532
8.468
9.880

7.33
5 | 1.67
.334

7.33
.334
7.664
668
8.332
9.000

71
.03

Published by H. S. CROCKER COMPANY, Stationers, Drawing Materials, and Mathematical Instruments, San Francisco.

Table showing the difference of latitude and departure in running 80 chains at any course from 1 to 60 minutes.

MINUTES.	LKS.	MINUTES.	LKS.	MINUTES.	LKS.
1	2⅓	21	49	41	95⅔
2	4⅔	22	51⅓	42	98
3	7	23	53⅔	43	100⅓
4	9⅓	24	56	44	102⅔
5	11⅔	25	58⅓	45	105
6	14	26	60⅔	46	107⅓
7	16⅓	27	63	47	109⅔
8	18⅔	28	65⅓	48	112
9	21	29	67⅔	49	114⅓
10	23⅓	30	70	50	116⅔
11	25⅔	31	72⅓	51	119
12	28	32	74⅔	52	121⅓
13	30⅓	33	77	53	123⅔
14	32⅔	34	79⅓	54	126
15	35	35	81⅔	55	128⅓
16	37⅓	36	84	56	130⅓
17	39⅔	37	86⅓	57	133
18	42	38	88⅔	58	135⅓
19	44⅓	39	91	59	137⅔
20	46⅔	40	93⅓	60	140

TABLE FOR RUNNING ON SLOPES.

In the following table the first column shows the angle, the second the number of links to be added to a chain on the slopes, to make one chain, horizontal measurement.

ANGLE	COR. IN LINKS	ANGLE	COR. IN LINKS	ANGLE	COR. IN LINKS	ANGLE	COR. IN LINKS
°		°		°		°	
4	0.24	11	1.88	18	5.14	25	10.54
5	0.38	12	2.24	19	5.76	26	11.26
6	0.55	13	2.63	20	6.42	27	12.24
7	0.76	14	3.06	21	7.11	28	13.37
8	0.98	15	3.53	22	7.85	29	14.34
9	1.24	16	4.02	23	8.64	30	15.47
10	1.55	17	4.56	24	9.47	35	22.07