

NAME Churchward ST  
Cross-Sections

Class \_\_\_\_\_ Course \_\_\_\_\_ Party \_\_\_\_\_

ALIGNMENT

225 (1989)

# FIELD NOTES

No. 403P

ESPECIALLY ADAPTED

TO THE USE OF

ENGINEERING STUDENTS

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**EUGENE DIETZGEN Co.**

MANUFACTURERS

DRAWING MATERIALS

MATHEMATICAL AND SURVEYING INSTRUMENTS

MEASURING TAPES

CHICAGO SAN FRANCISCO NEW YORK  
NEW ORLEANS PITTSBURGH

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MICROFILMED

DEC 30 1964

Cont'd from Bk. 223/7

CHURCHWARD ST.

X- Secs-

B In. 303.22  
8.74 309.34

294.48  
300.60

On Pitub 10+64.28

H130322 Red-city datum

12

297.32 297.42 297.52 298.12 299.52 299.52  
 $\frac{59}{30}$   $\frac{58}{14}$   $\frac{57}{4}$   $\frac{51}{12}$   $\frac{37}{25}$   $\frac{37}{30}$

+50

299.12 298.02 298.22 298.22 298.62 298.42  
 $\frac{41}{30}$   $\frac{52}{14}$   $\frac{50}{14}$   $\frac{50}{4}$   $\frac{46}{7}$   $\frac{48}{30}$

+69

298.32 298.12 298.32 298.22 298.32 300.52 300.62 299.62  
 $\frac{49}{30}$   $\frac{49}{24}$   $\frac{41}{14}$   $\frac{49}{10}$   $\frac{50}{3}$   $\frac{49}{10}$   $\frac{27}{20}$   $\frac{26}{20}$   $\frac{36}{30}$

13

297.12 297.12 296.52 296.72 297.02 298.02  
 $\frac{61}{30}$   $\frac{61}{15}$   $\frac{67}{11}$   $\frac{65}{11}$   $\frac{67}{4}$   $\frac{52}{30}$

+30

297.72 298.82 299.02 295.32 295.42 296.82 296.12 296.02  
 $\frac{55}{30}$   $\frac{44}{18}$   $\frac{42}{14}$   $\frac{80}{11}$   $\frac{19}{11}$   $\frac{78}{5}$   $\frac{67}{10}$   $\frac{64}{14}$   $\frac{71}{21}$   $\frac{75}{30}$

Lt.

Pt.

1

11/23/26  
Coole  
Key  
Price-

303.22  
309.34

13+50

14

+50

15

+50

16

+50

17

291.55 12.25 290.97  
297.67 297.09

279.66 11.89 279.66  
285.78 285.78

Lt.

Rt.

2

297.02 296.42 294.02 297.02 296.62  
294.02 294.02 297.32  
 $\frac{6.2}{30}$   $\frac{6.8}{15}$   $\frac{9.2}{8}$   $\frac{9.2}{5}$   $\frac{9.2}{12}$   $\frac{6.2}{25}$   $\frac{6.6}{30}$

292.62 294.22 294.32 291.02 291.22 293.02 292.62 292.72  
290.92 293.12  
 $\frac{10.6}{30}$   $\frac{9.0}{22}$   $\frac{8.9}{13}$   $\frac{12.2}{7}$   $\frac{12.0}{6}$   $\frac{12.3}{6}$   $\frac{10.2}{12}$   $\frac{10.6}{19}$   $\frac{10.1}{24}$   $\frac{10.5}{30}$

291.15 292.05 292.45 288.85 289.05 288.55 290.45 291.85  
 $\frac{0.4}{30}$   $\frac{+0.5}{23}$   $\frac{+0.9}{14}$   $\frac{0.4}{9}$   $\frac{2.7}{6}$   $\frac{2.5}{6}$   $\frac{3.0}{13}$   $\frac{1.1}{30}$   $\frac{+0.3}{30}$

287.85 288.05 286.35 286.55 284.05 288.85 288.85  
 $\frac{3.7}{30}$   $\frac{3.5}{21}$   $\frac{5.2}{8}$   $\frac{5.0}{5}$   $\frac{5.5}{12}$   $\frac{2.7}{12}$   $\frac{2.7}{30}$

86.45 86.25 83.55 283.15 83.15 87.25 86.65 85.05  
 $\frac{5.1}{30}$   $\frac{5.3}{13}$   $\frac{8.0}{8}$   $\frac{7.9}{4}$   $\frac{8.4}{11}$   $\frac{4.3}{11}$   $\frac{4.9}{26}$   $\frac{4.9}{30}$

83.35 83.05 84.25 82.35 80.55 280.95 80.15 85.35 84.35 84.45 83.75  
 $\frac{8.3}{30}$   $\frac{8.5}{23}$   $\frac{7.3}{17}$   $\frac{9.2}{11}$   $\frac{11.0}{9}$   $\frac{10.6}{10}$   $\frac{11.4}{3}$   $\frac{6.7}{11}$   $\frac{7.2}{20}$   $\frac{7.1}{23}$   $\frac{8.4}{30}$

78.86 79.56 81.16 80.36 77.36 277.86 76.46 79.16 79.26 80.46 81.06  
 $\frac{0.8}{30}$   $\frac{0.1}{26}$   $\frac{+1.5}{19}$   $\frac{+0.7}{14}$   $\frac{2.3}{8}$   $\frac{2.3}{3}$   $\frac{3.2}{10}$   $\frac{0.5}{15}$   $\frac{0.4}{21}$   $\frac{+0.8}{21}$   $\frac{+1.4}{30}$

74.46 76.06 74.76 73.56 73.96 73.76 76.06 76.56  
 $\frac{5.2}{30}$   $\frac{3.8}{22}$   $\frac{4.9}{17}$   $\frac{6.1}{11}$   $\frac{5.7}{3}$   $\frac{5.9}{11}$   $\frac{3.0}{11}$   $\frac{3.1}{30}$

17+50  $\frac{279.66}{285.78}$   $\frac{267.79}{273.91}$

18 0.14  $\frac{267.93}{274.05}$  11.87

+50

19 4.06  $\frac{260.33}{266.45}$  11.66  $\frac{256.27}{262.39}$

+50

20 6.79  $\frac{255.16}{261.98}$  11.96  $\frac{248.37}{254.49}$

+50

21 5.04  $\frac{248.28}{254.40}$  11.92  $\frac{243.24}{249.36}$

3

$\frac{71.36}{8.3}$   $\frac{70.96}{8.7}$   $\frac{70.16}{9.9}$   $\frac{270.16}{9.5}$   $\frac{69.76}{9.9}$   $\frac{70.70}{8.9}$   $\frac{70.86}{8.8}$

$\frac{65.43}{2.8}$   $\frac{65.13}{2.8}$   $\frac{65.63}{2.3}$   $\frac{266.03}{1.9}$   $\frac{65.83}{2.1}$   $\frac{66.43}{1.5}$   $\frac{65.63}{2.3}$   $\frac{66.03}{1.9}$

$\frac{62.93}{5.0}$   $\frac{62.63}{5.3}$   $\frac{262.33}{5.6}$   $\frac{61.93}{6.0}$   $\frac{57.43}{10.3}$   $\frac{56.43}{11.5}$

$\frac{61.63}{6.3}$   $\frac{60.23}{7.2}$   $\frac{60.23}{7.7}$   $\frac{58.73}{9.2}$   $\frac{58.93}{9.0}$   $\frac{56.63}{9.3}$   $\frac{60.73}{7.2}$   $\frac{61.93}{6.5}$   $\frac{56.43}{11.3}$

$\frac{58.9}{1.4}$   $\frac{58.0}{1.7}$   $\frac{54.2}{6.3}$   $\frac{254.53}{5.8}$   $\frac{53.53}{6.8}$   $\frac{57.7}{2.6}$   $\frac{59.0}{1.3}$   $\frac{60.2}{0.9}$

$\frac{58.3}{2.0}$   $\frac{57.6}{2.7}$   $\frac{44.0}{10.8}$   $\frac{50.3}{19.0}$   $\frac{249.93}{10.4}$   $\frac{49.2}{11}$   $\frac{56.2}{4.1}$   $\frac{56.3}{4.0}$   $\frac{54.2}{6.1}$

$\frac{54.4}{0.8}$   $\frac{53.8}{1.4}$   $\frac{42.8}{1.4}$   $\frac{44.9}{10.3}$   $\frac{244.86}{10.3}$   $\frac{44.9}{10.3}$   $\frac{42.9}{12.3}$   $\frac{51.0}{3.6}$   $\frac{51.2}{3.9}$   $\frac{49.5}{5.7}$

$\frac{47.2}{1.1}$   $\frac{46.7}{1.6}$   $\frac{32.1}{11.2}$   $\frac{39.9}{8.4}$   $\frac{239.88}{8.4}$   $\frac{39.4}{8.9}$   $\frac{37.3}{11.0}$   $\frac{45.1}{3.2}$   $\frac{44.5}{3.8}$   $\frac{45.9}{2.4}$

248.28  
254.40

236.04

12.24 242.16

236.47  
242.59

0.43

21+50

22

+50

B/W

1.62

226.66  
232.78

11.43

225.04  
231.16

23

23

One Angle of Wash

+50

40.1 +36 30	40.1 +36 31	32.1 44 20	34.8 17 7	235.77 07 10	35.6 00 10	32.37 41 15	30.1 04 18	35.4 1 30
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31.0 55 30	30.6 59 20	29.6 69 20	30.8 57 13	230.67 58 16	30.4 61 16	28.1 84 26	34.4 21 30
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25.6 109 30	24.3 52 24	20.9 156 19	25.5 110 10	225.37 111 4	25.1 114 4	13.6 229 22	13.5 230 30
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Nail in Pwr Pole 20' L + 22+50

215.1 11.6 36	10.2 16.6 31	10.2 16.5 26	20.4 13 7	221.06 5.0 5	221.46 5.2 5	13.8 12.9 20	12.9 13.8 22	13.7 12.8 30
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193.76 32.9 150	196.96 29.7 100	02.7 2A.0 50	12.3 14.4 50	14.0 12.7 100	14.6 12.1 150	15.3 11.4 200
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208.7 17.8 30	09.96 16.7 24	20.5 6.2 4	221.06 5.6 5	21.4 5.3 23	21.9 4.7 30
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220.66  
232.78

24

+50

25

+50

26

+50

27

+50

2.80

223.86

229.98

233.05

9.19

239.17

5

17.4	21.9	222.26	21.9	22.7	28.5	29.7
9.3	1.5	1.4	1.8	4.0	+1.8	+3.0
30	6	.	16	22	30	36

14.9	19.7	21.4	223.10	22.4	22.9	29.0
7.8	7.0	5.3	3.5	1.3	3.8	+2.4
30	24	17		12	15	30

17.4	21.2	23.6	223.86	24.2	26.8	29.3
9.3	5.5	3.1	2.8	2.5	+0.2	+2.6
30	16	6		9	19	30

21.7	22.4	223.95	24.6	30.2
11.3	10.6	9.1	8.4	2.9
30	22		8	30

22.5	224.65	24.9	30.2
10.5	8.4	8.1	2.9
30		6	30

22.0	23.7	24.5	225.05	225.05	26.0	30.0
11.0	9.4	8.6	8.0	8.0	7.1	3.1
30	15	11		3	6	30

22.9	24.3	25.6	225.85	25.9	27.4	29.5	30.2
10.1	8.8	7.5	7.2	7.1	5.7	3.6	2.9
30	21	12		2	5	23	30

24.9	25.4	26.5	226.45	26.3	28.5	31.25
8.1	7.7	6.5	6.6	6.8	4.5	1.8
30	19	5		2	8	30

	+	HI	-	EL.
28		233.05 229.17		
+50			5.78	227.27 233.39
29	1.48	228.75 234.87		
+50				
30				
34w	2.46	219.99 226.11	11.24	217.53 223.65
	1.60	222.72	A.99	215.00 221.12
	0.75	214.52	8.95	213.77
	0.02	202.91	11.63	202.89
	0.44	192.21	11.19	191.77
	11.31	194.46	9.06	183.15

23.9 9.1 30	20.8 7.0 22	227.05 6.0 22	27.2 5.9 2	31.1 1.9 21	32.2 0.8 30
226.1 6.9 30	27.4 5.6 20	27.3 5.7 16	227.65 5.4 3	27.5 5.5 17	30.5 2.5 30
24.6 4.1 30	25.5 2.8 15	226.5 2.6 4	226.8 2.7 11	227.6 1.1 11	229.3 10.6 30
20.7 8.0 30	20.9 7.8 18	22.7 6.0 9	222.65 6.1 4	22.5 6.2 11	24.0 25.4 30
14.6 4.1 30	17.2 16.5 15	18.7 10.0 9	219.05 9.7 4	18.6 19.4 6	20.0 8.7 30

Set Nail in Power Pole 20' Lt 30 + 35



+ H.I. - Elev.

194.46

0.36 194.10

10.24 194.34

B.M.

5.97 198.37

0.37 198.74

10.97 187.77

6.43 194.20

B.W.

3.00 191.20 191.31

Set nail in power pole 20' Lt. 45+30

Spk. in Tel. Pole N. Side Imperial Ave  
Near junction with Churchward St.

B.W.

218.36

215.00  
221.14

See Pg. 6

3.36 224.48

30+50

12.3	13.3	15.8	215.90	15.6	16.4	17.7
60	50	25	24	27	19	0.6
30	18	11		4	11	30

31

11.5	11.9	13.5	14.0	214.2	14.5	15.8
68	64	48	43	41	38	25
30	20	14	10	11	11	30

+50

12.3	13.3	12.3	212.26	12.0	12.0	14.4
61	50	60	60	63	57	39
30	21	7		3	7	30

218.36  
224.48

37

450

33

39+66  
+88

730  
6.75  
10.42  
207.99  
214.06

4.30  
212.24  
218.36

33+50

34

+50

2.28  
202.84  
208.96  
11.68  
200.56  
206.68

Lt.

Rt.

8

207.208.8 09.8 209.26  
 $\frac{11.2}{30} \frac{9.5}{18} \frac{8.5}{13} \frac{8.5}{3} \frac{10.2}{7} \frac{11.2}{31}$

3.9 5.6 7.7 8.5 208.86  
 $\frac{14.4}{30} \frac{12.7}{17} \frac{10.6}{12} \frac{9.8}{6} \frac{9.5}{4} \frac{9.5}{13} \frac{10.6}{30}$

8.6 9.2 9.8 8.3 208.36  
 $\frac{9.7}{30} \frac{9.1}{26} \frac{8.5}{18} \frac{8.3}{11} \frac{10.0}{3} \frac{10.2}{14} \frac{11.2}{30}$

30' Rt. Conc Drive  
30' " " Wall

7.2 4.5 8.0 7.3 207.09  
 $\frac{4.5}{30} \frac{3.7}{21} \frac{4.2}{13} \frac{4.9}{11} \frac{5.2}{4} \frac{11.8}{16} \frac{12.2}{30}$

10.0 9.4 4.1 203.94  
 $\frac{12.2}{30} \frac{9.8}{7} \frac{8.1}{11} \frac{8.3}{6} \frac{5.4}{6} \frac{10.8}{25} \frac{10.9}{30}$

7.0 7.5 7.1 11.1 201.24  
 $\frac{5.2}{30} \frac{4.7}{27} \frac{5.1}{19} \frac{11.1}{10} \frac{11.0}{3} \frac{20.1}{8} \frac{6.5}{11} \frac{6.5}{23} \frac{7.8}{23} \frac{8.1}{30}$

35

202.84  
20896

+50

36

191.01

0.65  
191.66  
197.78

11.83

197.13

+50

37

+50

38

182.80

11.91

179.75

185.87

+50

3.05  
188.92

Lt.

Rt.

200 <sup>3</sup>	201 <sup>2</sup>	200 <sup>3</sup>	99 <sup>0</sup>	98 <sup>6</sup>	198.54	98 <sup>3</sup>	99 <sup>5</sup>	200 <sup>0</sup>	200 <sup>8</sup>	201 <sup>8</sup>
$\frac{2.0}{30}$	$\frac{18}{23}$	$\frac{25}{16}$	$\frac{38}{14}$	$\frac{42}{10}$	4.3	4.5	3.3	7.8	24	10
						$\frac{3}{3}$	$\frac{5}{5}$	9	20	30

95 <sup>8</sup>	195 <sup>4</sup>	95 <sup>2</sup>	95 <sup>8</sup>	96 <sup>0</sup>	95 <sup>6</sup>
$\frac{7.0}{30}$	7.4	7.5	7.0	6.8	7.2
		$\frac{3}{3}$	6	18	30

90 <sup>3</sup>	92 <sup>6</sup>	92 <sup>5</sup>	191 <sup>9</sup>	91 <sup>4</sup>	91 <sup>6</sup>	90 <sup>9</sup>	91 <sup>8</sup>
$\frac{12.5}{30}$	$\frac{10.2}{18}$	$\frac{10.3}{5}$	10.9	11.4	11.2	11.9	11.0
		$\frac{5}{5}$		4	6	11	30

87 <sup>6</sup>	88 <sup>3</sup>	89 <sup>2</sup>	188.86	88 <sup>1</sup>	88 <sup>0</sup>	88 <sup>2</sup>
$\frac{4.0}{30}$	$\frac{3.3}{16}$	$\frac{2.1}{5}$	2.5	3.5	3.6	2.9
		$\frac{5}{5}$		9	17	30

84 <sup>7</sup>	84 <sup>7</sup>	85 <sup>9</sup>	186.06	85 <sup>8</sup>	86 <sup>7</sup>	86 <sup>5</sup>	87.4	87.4
$\frac{6.9}{30}$	$\frac{6.9}{23}$	$\frac{5.7}{8}$	5.6	5.8	4.9	5.1	4.2	4.7
		$\frac{8}{8}$		$\frac{3}{3}$	$\frac{5}{5}$	19	25	30

83 <sup>1</sup>	83.3	83 <sup>2</sup>	183.56	84 <sup>5</sup>	84 <sup>5</sup>	85 <sup>5</sup>	86 <sup>6</sup>	86 <sup>8</sup>
$\frac{8.6}{30}$	8.4	7.9	8.1	7.1	7.1	6.1	5.0	4.8
	$\frac{25}{25}$	$\frac{6}{6}$		$\frac{3}{3}$	$\frac{13}{13}$	16	26	30

80.7	81 <sup>2</sup>	180.66	81 <sup>6</sup>	81 <sup>8</sup>	80 <sup>8</sup>	83 <sup>3</sup>	83 <sup>3</sup>	82.4
10.9	10.5	11.0	10.0	9.8	11.1	8.4	8.3	9.2
$\frac{30}{30}$	$\frac{6}{6}$		$\frac{2}{2}$	4	9	18	23	30

77 <sup>8</sup>	78 <sup>6</sup>	79 <sup>0</sup>	178.7	77 <sup>2</sup>	77 <sup>9</sup>	78 <sup>8</sup>	78 <sup>8</sup>
$\frac{5.0}{30}$	$\frac{4.2}{19}$	$\frac{3.8}{8}$	4.1	5.1	4.9	4.0	4.3
		$\frac{8}{8}$		$\frac{5}{5}$	18	23	30

39

182.80

188.92

Bm

8.38

185.92

5.26

177.54

183.66

+50

40

+50

41

+50

8.42

192.61

1.73

184.19

190.31

42

Lt.

Rt.

10

77 <sup>1</sup> 5.7 30	77 <sup>2</sup> 5.6 19	77 <sup>6</sup> 5.2 9	77 <sup>1</sup> 5.7	73 <sup>9</sup> 8.9 15	74 <sup>0</sup> 8.8 30
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Nail in Pole 20' Lt. 39+32

75 <sup>9</sup> 10.0 30	76 <sup>2</sup> 9.7 19	76 <sup>7</sup> 9.2 9	76 <sup>4</sup> 9.5 4	75 <sup>9</sup> <sup>2</sup> 10.0	72 <sup>7</sup> 13.2 10	72 <sup>0</sup> 13.9 30
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75 <sup>5</sup> 10.4 30	76 <sup>1</sup> 9.8 18	76 <sup>8</sup> 9.1 13	76 <sup>9</sup> 9.0 3	76 <sup>4</sup> <sup>2</sup> 9.5	74 <sup>0</sup> 11.9 6	73 <sup>2</sup> 12.7 30
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76 <sup>9</sup> 9.0 30	77 <sup>2</sup> 8.7 25	78 <sup>6</sup> 7.3 16	78 <sup>9</sup> <sup>2</sup> 7.0	78 <sup>8</sup> 7.1 3	77 <sup>4</sup> 8.5 7	76 <sup>7</sup> 9.2 17	77 <sup>2</sup> 8.7 30
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80 <sup>8</sup> 5.1 30	81 <sup>0</sup> 4.8 19	80 <sup>9</sup> 5.3 14	80 <sup>8</sup> 5.1 7	80 <sup>6</sup> 5.3	80 <sup>3</sup> 5.6 1	80 <sup>8</sup> 5.1 3	80 <sup>8</sup> 5.1 30
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84 <sup>1</sup> 1.8 30	83 <sup>8</sup> 2.1 19	83 <sup>0</sup> 2.9 14	83 <sup>1</sup> 2.8	82 <sup>9</sup> 3.0 1	83 <sup>2</sup> 2.7 6	84 <sup>3</sup> 1.6 11	85 <sup>1</sup> 0.8 23	84 <sup>4</sup> 1.5 30
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86 <sup>4</sup> 6.7 30	86 <sup>1</sup> 6.5 20	84 <sup>9</sup> 8.5 15	84 <sup>7</sup> 7.9 7	84 <sup>3</sup> 9.3	84 <sup>1</sup> 8.5 1	85 <sup>0</sup> 7.6 3	85 <sup>2</sup> 7.4 5	86 <sup>1</sup> 6.5 7	86 <sup>6</sup> 6.1 15	86 <sup>4</sup> 6.2 30
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42+50  
192.61  
198.73

43

+50

44

+50

+85

45

45  
B W

+50

197.04  
1.93  
196.82

4.69 192.35  
7.16 189.88

192.19 192.25  
A.85 198.33 198.37

0.65 192.90  
199.02

Lt. Rt. 11  
87.3 46.9 85.9 85.7 185.3 85.8 86.5 46.4 87.0  
5.3 5.7 7.2 6.9 7.3 6.8 6.1 6.2 5.6  
30 21 15 7 2 7 22 30

88.4 88.6 87.0 87.3 180.9 80.6 87.5 86.8 86.5 84.6  
4.2 4.0 5.6 5.3 5.7 6.0 5.1 5.8 6.1 8.0  
30 19 17 7 2 7 12 18 30

92.0 91.2 88.4 88.8 188.5 88.1 89.1 90.6 86.3  
0.6 1.4 4.2 3.8 4.1 4.5 3.5 2.0 6.3  
30 21 14 7 2 3 12 30

94.4 94.0 91.3 91.5 191.1 91.1 91.9 92.3 92.5 90.3  
2.6 3.0 5.3 5.5 5.9 5.9 5.1 4.7 4.5 6.7  
30 22 13 2 2 3 8 15 30

94.6 94.6 93.6 93.6 193.5 93.1 94.0 94.5 95.4 92.0 92.5  
2.4 2.4 3.4 3.4 3.5 3.9 3.0 2.5 1.6 4.0 4.5  
30 18 12 2 2 4 10 13 24 30

10' Lt Top Manhole  
16' " " 36" Water Pipe

93.3 93.9 93.6 92.0 92.4 191.9 91.8 93.1 91.6  
2.7 3.1 3.4 5.0 4.6 5.1 5.2 3.9 5.4  
30 24 21 19 5 3 8 30

See Pg. 7

89.9 89.4 88.4 189.20 89.1 90.5 90.0 87.8  
3.0 3.5 4.1 3.7 3.8 2.4 2.8 5.1  
30 18 14 3 3 6 20 30

192.90  
199.02

46

+25

+50

47

+50

48

4.4v 189.24  
195.36

8.08

184.82  
190.94

+50

49

$$\begin{array}{r} 87.5 \\ 54 \\ \hline 30 \end{array}$$

$$\begin{array}{r} 87.2 \\ 52 \\ \hline 27 \end{array}$$

$$\begin{array}{r} 87.3 \\ 70 \\ \hline 13 \end{array}$$

$$\begin{array}{r} 186.8 \\ 61 \\ \hline \end{array}$$

$$\begin{array}{r} 85.3 \\ 76 \\ \hline 30 \end{array}$$

$$\begin{array}{r} 87.6 \\ 53 \\ \hline 30 \end{array}$$

$$\begin{array}{r} 87.4 \\ 55 \\ \hline 22 \end{array}$$

$$\begin{array}{r} 86.4 \\ 68 \\ \hline 15 \end{array}$$

$$\begin{array}{r} 86.8 \\ 61 \\ \hline 7 \end{array}$$

$$\begin{array}{r} 186.2 \\ 67 \\ \hline \end{array}$$

$$\begin{array}{r} 86.1 \\ 68 \\ \hline 17 \end{array}$$

$$\begin{array}{r} 87.1 \\ 52 \\ \hline 21 \end{array}$$

$$\begin{array}{r} 87.4 \\ 55 \\ \hline 30 \end{array}$$

$$\begin{array}{r} 87.4 \\ 55 \\ \hline 30 \end{array}$$

$$\begin{array}{r} 86.5 \\ 64 \\ \hline 16 \end{array}$$

$$\begin{array}{r} 86.4 \\ 65 \\ \hline 5 \end{array}$$

$$\begin{array}{r} 185.9 \\ 70 \\ \hline \end{array}$$

$$\begin{array}{r} 145.0 \\ 79 \\ \hline 30 \end{array}$$

$$\begin{array}{r} 84.5 \\ 84 \\ \hline 200 \end{array}$$

$$\begin{array}{r} 85.4 \\ 75 \\ \hline 150 \end{array}$$

$$\begin{array}{r} 86.4 \\ 65 \\ \hline 100 \end{array}$$

$$\begin{array}{r} 86.5 \\ 64 \\ \hline 30 \end{array}$$

$$\begin{array}{r} 86.4 \\ 65 \\ \hline 23 \end{array}$$

$$\begin{array}{r} 85.9 \\ 70 \\ \hline 17 \end{array}$$

$$\begin{array}{r} 185.4 \\ 75 \\ \hline \end{array}$$

$$\begin{array}{r} 85.8 \\ 71 \\ \hline 1 \end{array}$$

$$\begin{array}{r} 84.9 \\ 80 \\ \hline 16 \end{array}$$

$$\begin{array}{r} 85.0 \\ 79 \\ \hline 30 \end{array}$$

$$\begin{array}{r} 85.4 \\ 75 \\ \hline 30 \end{array}$$

$$\begin{array}{r} 85.1 \\ 78 \\ \hline 22 \end{array}$$

$$\begin{array}{r} 84.7 \\ 82 \\ \hline 16 \end{array}$$

$$\begin{array}{r} 85.2 \\ 77 \\ \hline 5 \end{array}$$

$$\begin{array}{r} 185.0 \\ 79 \\ \hline \end{array}$$

$$\begin{array}{r} 85.2 \\ 77 \\ \hline 3 \end{array}$$

$$\begin{array}{r} 85.8 \\ 73 \\ \hline 14 \end{array}$$

$$\begin{array}{r} 85.9 \\ 70 \\ \hline 30 \end{array}$$

$$\begin{array}{r} 84.9 \\ 80 \\ \hline 30 \end{array}$$

$$\begin{array}{r} 84.9 \\ 83 \\ \hline 13 \end{array}$$

$$\begin{array}{r} 184.9 \\ 80 \\ \hline \end{array}$$

$$\begin{array}{r} 184.9 \\ 80 \\ \hline 10 \end{array}$$

$$\begin{array}{r} 85.9 \\ 70 \\ \hline 18 \end{array}$$

$$\begin{array}{r} 85.9 \\ 70 \\ \hline 30 \end{array}$$

$$\begin{array}{r} 84.24 \\ 70 \\ \hline 30 \end{array}$$

$$\begin{array}{r} 83.8 \\ 54 \\ \hline 16 \end{array}$$

$$\begin{array}{r} 184.54 \\ 47 \\ \hline \end{array}$$

$$\begin{array}{r} 84.7 \\ 45 \\ \hline 15 \end{array}$$

$$\begin{array}{r} 84.5 \\ 47 \\ \hline 30 \end{array}$$

$$\begin{array}{r} 83.24 \\ 60 \\ \hline 30 \end{array}$$

$$\begin{array}{r} 82.5 \\ 67 \\ \hline 17 \end{array}$$

$$\begin{array}{r} 184.94 \\ 48 \\ \hline 6 \end{array}$$

$$\begin{array}{r} 84.3 \\ 49 \\ \hline 6 \end{array}$$

$$\begin{array}{r} 84.8 \\ 44 \\ \hline 9 \end{array}$$

$$\begin{array}{r} 84.6 \\ 46 \\ \hline 30 \end{array}$$

Pt 12

189.24

195.36

19.50

50

+48

51

+50

52

4.9 185.05 191.20  
191.17 191.20  
191.20  
191.20

See Pg. 7

Lt.

Rt.

82.8 84.5 184.64 444 544.8 13  
64 47 46 48 47.6  
30 10 5 27 edge have

83.2 84.4 84.8 184.54 84.4 84.6 83.50  
6.0 4.8 4.4 4.7 4.8 5.18 5.74  
30 16 10 9 9 12 20  
CP CP CP

83.4 83.8 43.46 82.9 82.4 83.9 83.9  
5.8 5.4 5.76 6.33 6.8 5.3 5.3  
30 17 CP 18 23 28 30  
CP CP

81.7 82.5 82.2 182.1 81.6 81.2 82.3 82.1  
7.5 6.7 7.00 7.15 7.60 8.0 6.9 7.1  
30 19 8 CP 10 17 27 30  
CP CP

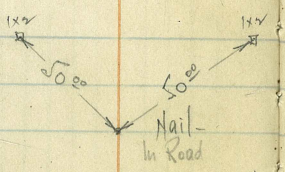
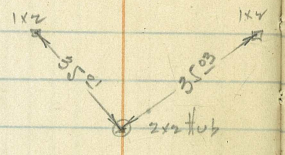
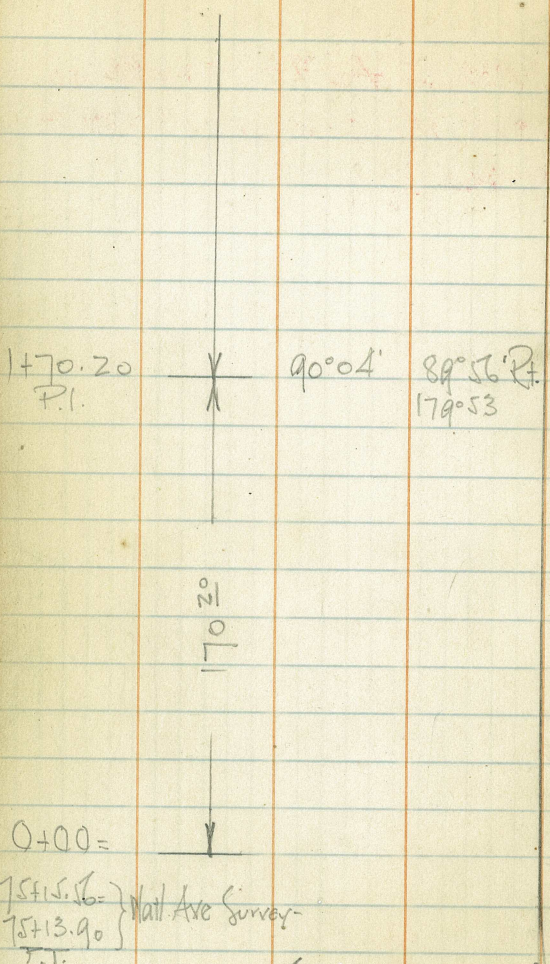
140.62  
86.2

179.31  
9.93





Sta. Dist. Angle Az. Def. Ties

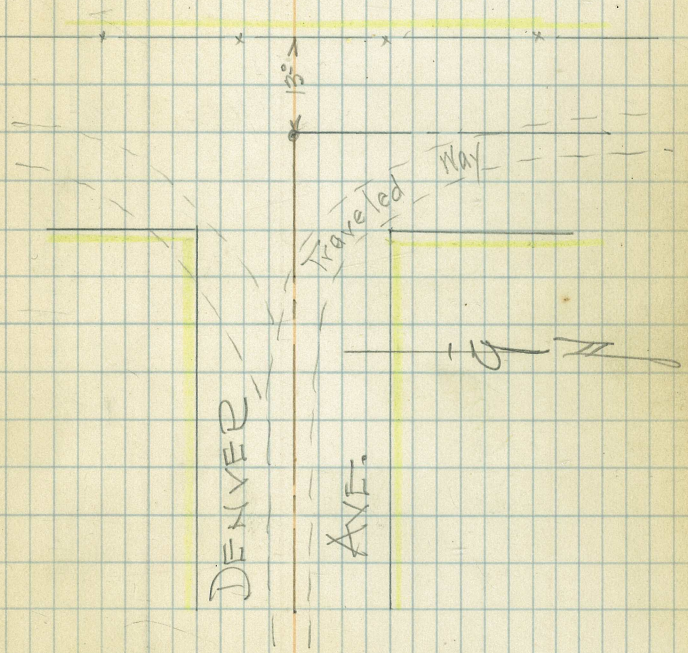


Survey of  
 CHURCHWARD ST.

Topog-

15

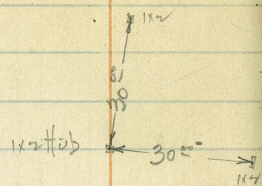
Note:  
 E from 1+70.2 to 9+84.40 P.C. as  
 shown on plans is 10' West of the E  
 of these notes.  
 C.F.W.



1/29/26  
 Coote  
 Key  
 Price-

Sta.	Dist.	Angle Az.	Def.
10+64.28 P.I.		90°05' 180°10'	89°55'

Ties -

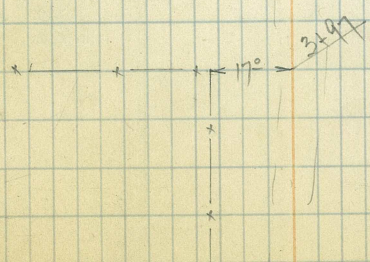
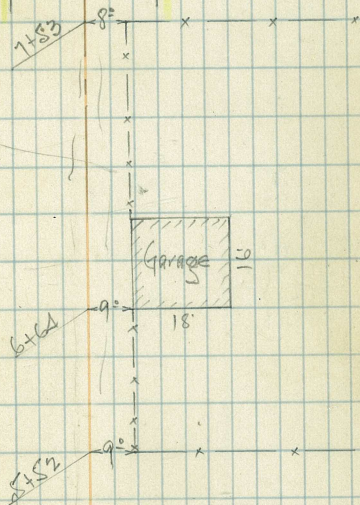
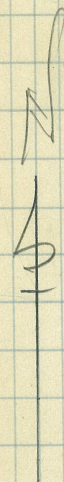


Topog -

CHURCHWARD

ST.

894.08'



Sta.

Dist

Angle  
Az. Def.

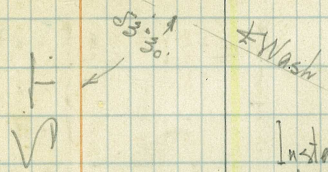
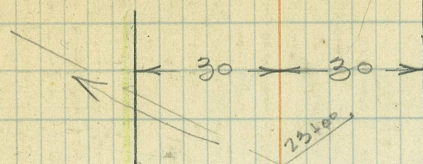
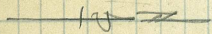
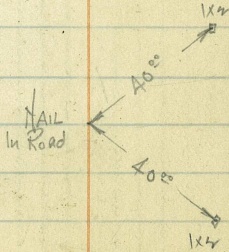
F 1185

Topog-

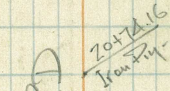
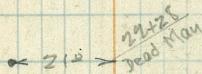
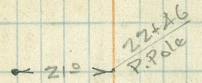
17

2643.79

1249.23  
P.O.T.



Install 24" CMP.  
Sta 23+00



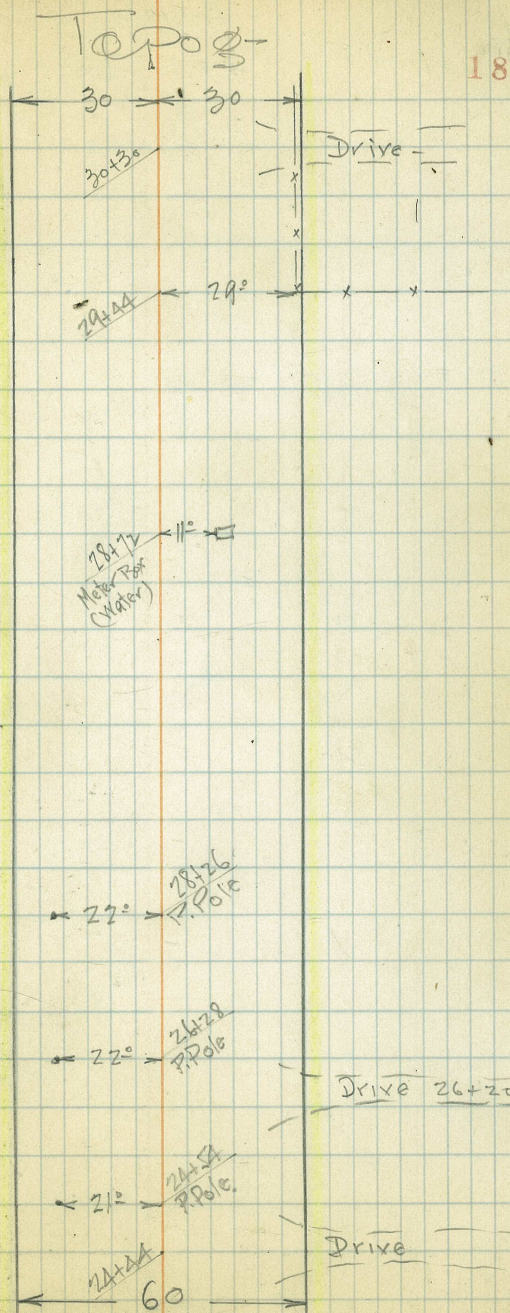
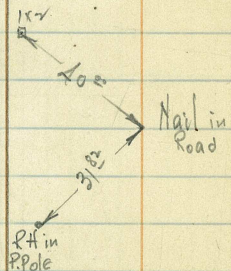
CHURCHWARD



Sta.	Dist.	Angle	Def.	Ties
		Az.		

28+49.53  
P.O.T.

26+3.29

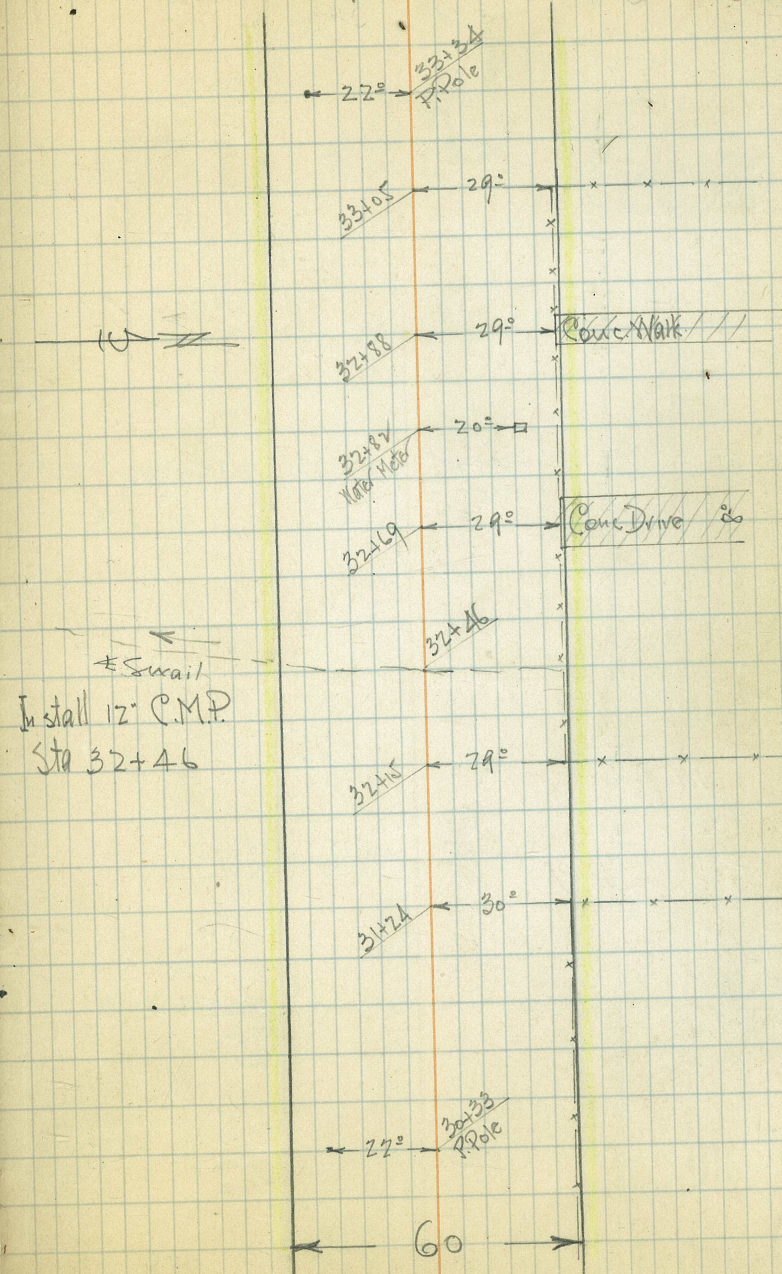


Sta.	Dist	Angle		Ties
		Az.	Def	

2643.29

Topog

19



Sta.

Dist.

Angle  
Az. Def.

Ties

Topog

20

1010.96

37+07.57  
P.I.

179°57'  
318°55'

0°03' Lt.

Fnd 1x2 Hub

Uts West Bdy.

M.M. Col  
Uts Tract

Install 12" C.M.P.  
Sta 29+50

2643.29

33+40.69  
P.O.T.

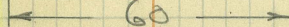
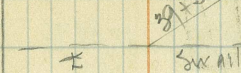
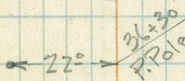
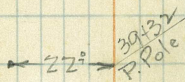
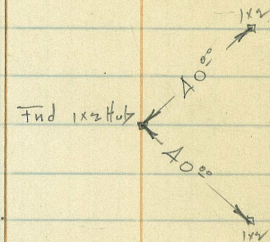
Nail in  
P.Pole

232°

Nail in  
Road

CHURCHWARD

60



Sta.

Dist.

Angle  
Az. Def

± Ties-

Topog

21

47+18.53  
P.I.

170° 12'  
358° 24'

0° 48' L

Set 1x2 Hub

16.37'

16.71'

40°

N. Line LAS ALTURAS

1x2 Stk.

0.84'

1x1 Stk.

STREET

17.18.63

Las Alturas

1010.96

10

12

11.93

Manhole

10°

Manhole

For add data  
on pipeline see  
312  
14

44+50.05  
P.O.T.

Nail in  
Road

1x4

20°

40°

1x2

3/4" Water Pipe

15

44.70

23°

12.72

P. Pole

60





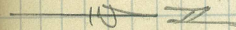
Sta.	Dist	Angle	Def	Ties
		Az.		

66+38.37 County  
 51+39.38 =  
 END.

180° 00'

Found Lead & Tack

420.85



Topology

WOOD  
LANE.

51+39.38  
Found Lead & Tack

51+39.38  
Found Lead & Tack

ST.

CHURCHWARD

50+48

50+00

13°

40+50  
200 Pole

Conc. Pave ment

20.5

40+66  
604 Pole

28°

42

43

60°

108.57

51+39.38

Euclid - Division B. The

+

-

B.M. 427 18946 18519

B.M. 593 19172 367 18529

T.P. 0.88 18071 1149 18023

027 16951 1147 16924

131 15864 1221 115730

B.M. 141 15025 927 14884

T.P. 118 13923 1220 13805

082 12812 1194 12729

B.M. 592 12219

City Datum 24

spike in P. Pole. N. side Imperial Ave  
near jct. with Churchward St.  
set spike in Cor. fence post 55' R  
Sta 00+30

60' L. sta. 10+50 1x2 stake.

30' L. sta 17+25 1x2 stake























B. In on P1 Hut 10+64.28 300.60  
11+50 last Sec

47+18.53

3<sup>rd</sup> #7 El. = 191.31 Boat Spk in Tel. Pole

1+70.20  
10+64.28  
894.09

37+07.57  
10+64.28  
2643.29

47+18.55  
37+07.57  
1010.96

51+39.38  
47+18.53  
440.85

47+18  
446.50  
2.68