

NAME R. D. L. 21

Class \_\_\_\_\_ Course \_\_\_\_\_ Party Book 2

Chollas Road.

#56

1936

# FIELD NOTES

No. 403P

ESPECIALLY ADAPTED  
ESPECIALLY ADAPTED

TO THE USE OF

ENGINEERING STUDENTS

RETURN TO  
Watson, Valle & Gough, Inc.

508 Spreckels Bldg.

San Diego, Calif.

**EUGENE DIETZGEN Co.**

MANUFACTURERS

DRAWING MATERIALS

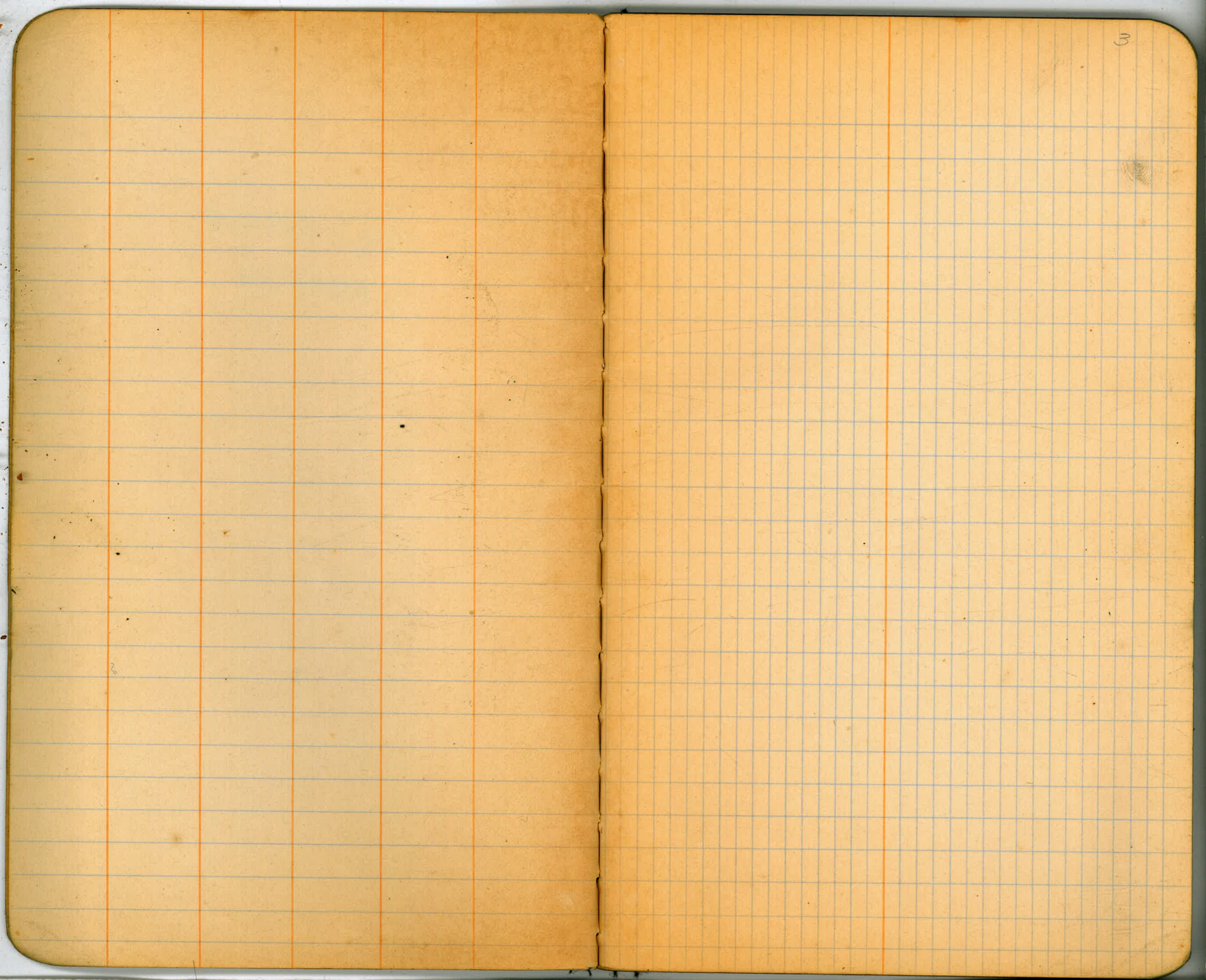
MATHEMATICAL AND SURVEYING INSTRUMENTS

MEASURING TAPES

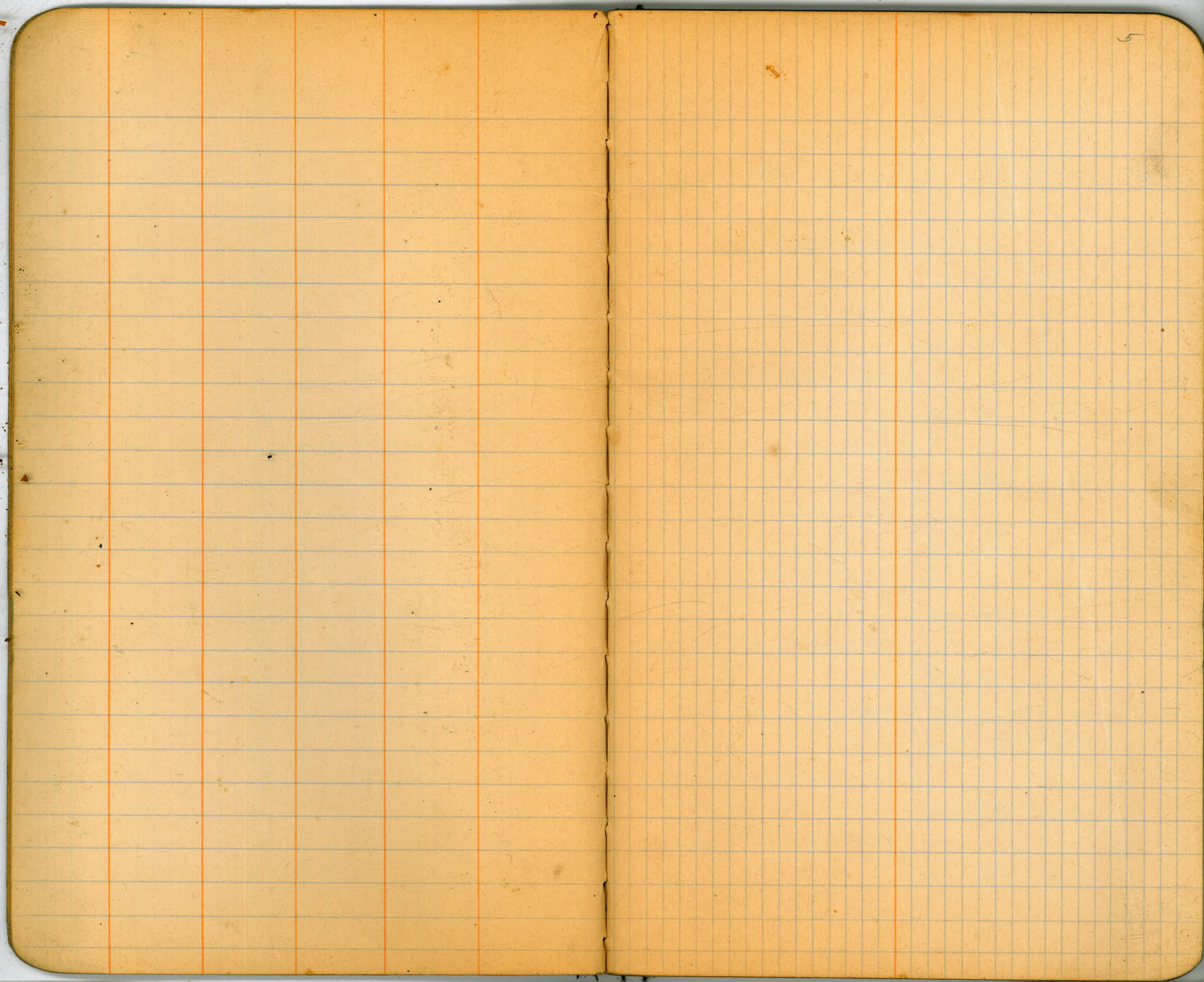
CHICAGO SAN FRANCISCO NEW YORK  
NEW ORLEANS PITTSBURGH

MICROFILMED

DEC 30 1964



60



B.M. Levels			
B.M.	+ H.I.	-	Elev.
B.M			326.93
	2.13		329.06
T.P.#1		8.63	320.43
	3.73		324.16
T.P.#2		12.86	311.30
	3.84		315.14
T.P.#3		1.56	313.58
	8.90		322.48
T.P.#4		1.74	320.74
	12.87		333.61
T.P.#5		0.96	332.65
	12.21		344.86
T.P.#6		2.31	342.55
	12.95		355.50
T.P.#7		3.31	352.19
	12.12		364.31
T.P.#8		0.40	363.91
	13.13		377.04
T.P.#9		2.24	374.80
	12.02		386.82
T.P.#10		3.58	383.24
	12.78		396.02
T.P.#11		1.64	394.38

June 5, 1926 7

Dorval  
Heathcote

Spike in Pole L Sta 3+55 Chollas Road.

Top  $\frac{1}{2}$ " Iron pipe 70' R Sta 0+00 Chollas Road

Top 1" R.W. peg 50' W 39' on City Bdry Line

Top 1" R.W. peg 40' W 39' on City Bdry Line

T.P.#11			394.38
	11.74	406.12	
T.P.#12			2.44 403.68
	12.90	416.58	
T.P.#13			1.92 414.66
	11.75	426.41	
T.P.#14			0.63 425.78
	12.74	438.52	
T.P.#15			1.14 437.38 ✓
	12.75	450.13	
T.P.#16			2.34 447.79
	12.49	460.28	
T.P.#17			2.51 457.77
	10.09	467.86	
T.P.#18			2.80 465.06
	11.84	476.90	
TP#19			6.84 470.06
	13.00	483.06	
T.P.#20			4.80 478.26
	9.54	487.80	
T.P.#21			6.45 481.35
	1.11	482.46	
TP#22			12.47 469.99

Top 1" iron pipe  $\Delta E^S C^S$  150' N.W. 42

On 2"x2" Hub 44

Top 2"x2" RW Hub 45

TP#22			469.99
	3.35	473.34	
TP#23			12.27 461.07
	1.87	462.94	
TP#24			12.85 450.09
	1.77	451.86	
TP#25			12.33 439.53
	2.01	441.54	
TP#26			13.07 428.47
	2.77	431.24	
TP#27			10.39 420.85
	0.00	420.85	
TP#28			12.98 407.97
	3.24	411.21	
TP#29			6.56 404.65
	2.86	407.51	
TP#30			12.35 395.16
	1.45	396.61	
TP#31			12.50 384.11
	2.40	386.51	
TP#32			11.83 374.68
	1.50	376.18	
TP#33			10.27 365.91

Top  $\frac{3}{4}$ " iron pipe 47

Top  $\frac{3}{4}$ " iron pipe 48

Top 2"x4" White Marker 49

TP#33 365.91  
10.72 376.63

TP#34 0.61 376.02  
12.91 388.93

TP#35 0.80 388.13 ✓  
12.24 400.37

TP#36 1.15 399.72  
12.96 412.18

TP#37 1.38 410.80  
12.76 423.56

TP#38 0.73 422.83  
12.38 435.21

TP#39 0.75 434.46  
12.71 447.17

TP#40 0.73 446.44  
12.17 458.61

TP#41 0.65 457.96  
9.18 467.14

TP#42 2.66 464.48  
1.21 465.69

TP#43 12.44 453.25  
1.36 454.61

TP#44 11.25 443.36 ✓

Tap 2" x 4" white marker 49

Tap 2" iron pipe S.W. Cor. Sec. 26 50

Tap 3/4" pipe 51



TP#44			143.36	
	0.69	444.05		
TP#45			4.32	439.73
	2.70	442.43		
TP#46			12.06	430.37
	3.56	433.93		
(Not on circuit)			10.57	423.36
TP#46				430.37
	11.70	442.07		
TP#48			1.01	441.06
	11.61	452.67		
TP#49			1.00	451.67
	11.22	462.89		
TP#50			0.74	462.15
	12.30	474.45		
TP#51			2.31	472.14
	836.	480.50		
B.M.			1.97	479.03 481.00 JK
	2.26	481.29		
TP#52			6.15	475.14

Top 1" iron pipe 52

Top 3" pipe U.S. Navy cor 1102  
6-7-26

5/8" hexagonal Bolt on 9 1/2 of foundation of  
S. Leg of S.W. Steel Radio Tower  
Elev. 580.01 Datum M.L.L.W. + 108.02

Top Iron Pipe 57

TP#45			439.73
	9.85	449.58	
TP#A			9.65 439.93
	11.66	451.59	
TP#B			0.61 450.98
	11.76	462.74	
TP#C			2.10 460.64
	12.67	473.31	
TP#D			7.39 465.92
	10.10	476.02	
TP#52			0.86 475.16
			475.14
	3.61	478.75	
TP#53			11.39 467.36
	5.58	472.94	
TP#54			403 468.91
			476.97
	4.14	473.05	
		481.11	
TP#55			471.32
			1.73 479.38
	2.32	473.64	
		481.70	
TP#56			461.06
			12.58 462.12
	12.85	473.91	
		481.97	
TP#57			477.91
			1.00 480.97
	4.49	477.46	
		485.46	
TP#58			473.74
			3.66 481.80

Top Iron Pipe 56

T.P. #52 Page 16

Top  $\frac{3}{4}$ " Iron Pipe 61

Top of Cap.  
3" Iron Pipe U. S. N. Cor. No. 3 64

Top 2"x3" white marker 66

TP#58				473.74	
	5.33	479.07		481.80	
		487.13			
TP#59			2.86	476.71	476.21
	3.64	479.85		484.27	94
		487.91			475.27
TP 60			6.01	473.84	
	4.88	478.77		481.90	473.84
		485.78			
TP 61			2.68	476.04	476.04
	1.87	477.91		484.70	94
		485.97			475.10
TP 62			2.74	468.17	
	0.69	468.86		476.23	
		476.92			
TP 63			12.36	456.50	
	0.44	456.94		464.56	
		465.00			
TP 64			12.37	444.57	
	0.17	444.74		452.63	
		452.80			
TP 65			12.69	437.05	
	0.11	437.16		440.11	
		440.22			
TP 66			12.92	419.74	
	0.30	419.54		427.30	
		427.60			
TP 67			11.37	408.17	
	11.95	410.17		416.23	
		428.18			
TP 68			0.58	419.54	
	11.67	431.71		427.60	
		439.27			
TP 69			0.00	431.71	
	13.04	444.75		439.27	
		452.31			
TP 70			-0.60	443.65	
				451.71	443.65

Top 2" Iron Pipe S. Line Sec. 26 68

Top 2" Iron Pipe 71

Top 2"x3" White marker 78

TP#70			443.65	
	10.76	452.41	451.71	
		462.47		
TP#71			452.77	
	2.14	464.19	460.33	
		472.25		
TP#72			460.55	460.55
	3.64	463.94	469.51	99
		472.00	459.61	
TP#73			451.78	
	12.16	457.78	459.84	
		460.84		
TP#73A			440.18	
	12.60	441.60	448.24	
		449.66		
TP#74			478.80	
	12.80	479.80	436.86	
		437.86		
TP#75			417.51	
	12.29	418.12	425.57	
		426.18		
TP#76			405.74	
	12.88	405.31	413.30	
		413.37		
TP#77			397.94	
	12.37	397.49	401.00	
		405.55		
TP#78			384.84	
	12.65	387.00	382.90	
		385.06		
TP#79			383.75	
	3.75	385.70	381.31	
		383.76		
TP#80			372.45	
	12.75	372.99	370.51	
		371.05		
TP#81			360.08	
	12.91	360.08	358.14	

Top 1" Iron Pipe 81.

Top 2" x 3" Marker 86

TP#81			36008
			<del>358.14</del>
	1.27		
			361.35
			<del>359.44</del>
TP#82			348.69
		12.66	<del>346.75</del>
	3.11		
			351.80
			<del>349.86</del>
TP#83			341.77
		10.03	<del>339.83</del>
	7.07		
			348.84
			<del>346.90</del>
TP#84			347.19
		16.5	<del>345.25</del>
	8.51		
			355.70
			<del>353.76</del>
TP#85			352.41
		2.29	<del>351.47</del>
	12.73		
			366.14
			<del>364.20</del>
TP#86			365.86
		0.28	<del>363.92</del>
	5.43		
			371.79
			<del>369.35</del>
B.M.		392	367.37
			<del>365.43</del>

<sup>367.37</sup>  
 Elev. 366.43 Spike in Pole / Sta. 23+95  
 to high .94 Chollas Road.

check levels from T.P. 61 Westerly

25

476.04 Barred Elev.

2.30 478.34

9.37 468.91

2.01 470.98

9.95 461.03

1.10 462.13

3.96 458.17

11.10 469.27

461.32  
7.03 462.24

10.04 472.28

6.04 466.24

10.10 476.34

3.43 472.91

10.84 483.75

1.48 482.27 = 481.35  
461.32 <sup>482.27</sup> <sub>+high .92</sub>

going N. to  $\Delta$  BDC FGE

10.01 471.33

0.66 470.67 on P.O.T.

3.07 473.74

11.42 462.32

6.82 469.14

going South EGHIJ

9.95 459.19 on  $\Delta$  BDC FGE

6.86 468.12

461.32

$\Delta$  EGHIJ

8.47 459.71 on pipe

2.62 462.33

0.33 450.90

11.76 450.57

check levels cont in 1

	450.90		
		1.673	439.17
0.70	439.87		
		2.23	437.64 x
12.00	449.64		
		1.13	448.51
11.75	460.26		
		0.24	460.02
7.47	467.49		
		2.55	464.94 = 465.92
			94
			460.02 464.98
8.14	468.16		
		4.67	463.49 = 464.48
			437.64
4.71	442.35		
		11.17	431.18
2.63	433.81		
		11.98	421.83 = 422.83
			464.98
9.52	474.50		
Δ JI		2.57	471.93 on pipe
			475.27 T.P. # 57
1.39	476.66		
Δ IH		6.63	470.03 on pipe

Establishing BM.

29

		475.10	T.P. #61
2.66	477.76		
		7.14	470.62
5.10	475.72		
△ HGF		2.92	472.80 on pipe
		459.61	T.P. #72
1.67	461.28		
		10.09	451.19
2.94	454.13		
		9.30	444.83
4.21	449.04		
		7.4	441.6 saddle
		2.96	446.08
12.06	458.14		
		2.59	<del>445.55</del> <sup>5</sup>
9.45	465.00		
		2.5	462.5 crest
△ ADF		8.03	<del>446.97</del> <sup>5</sup> on pipe
1.63	448.60		







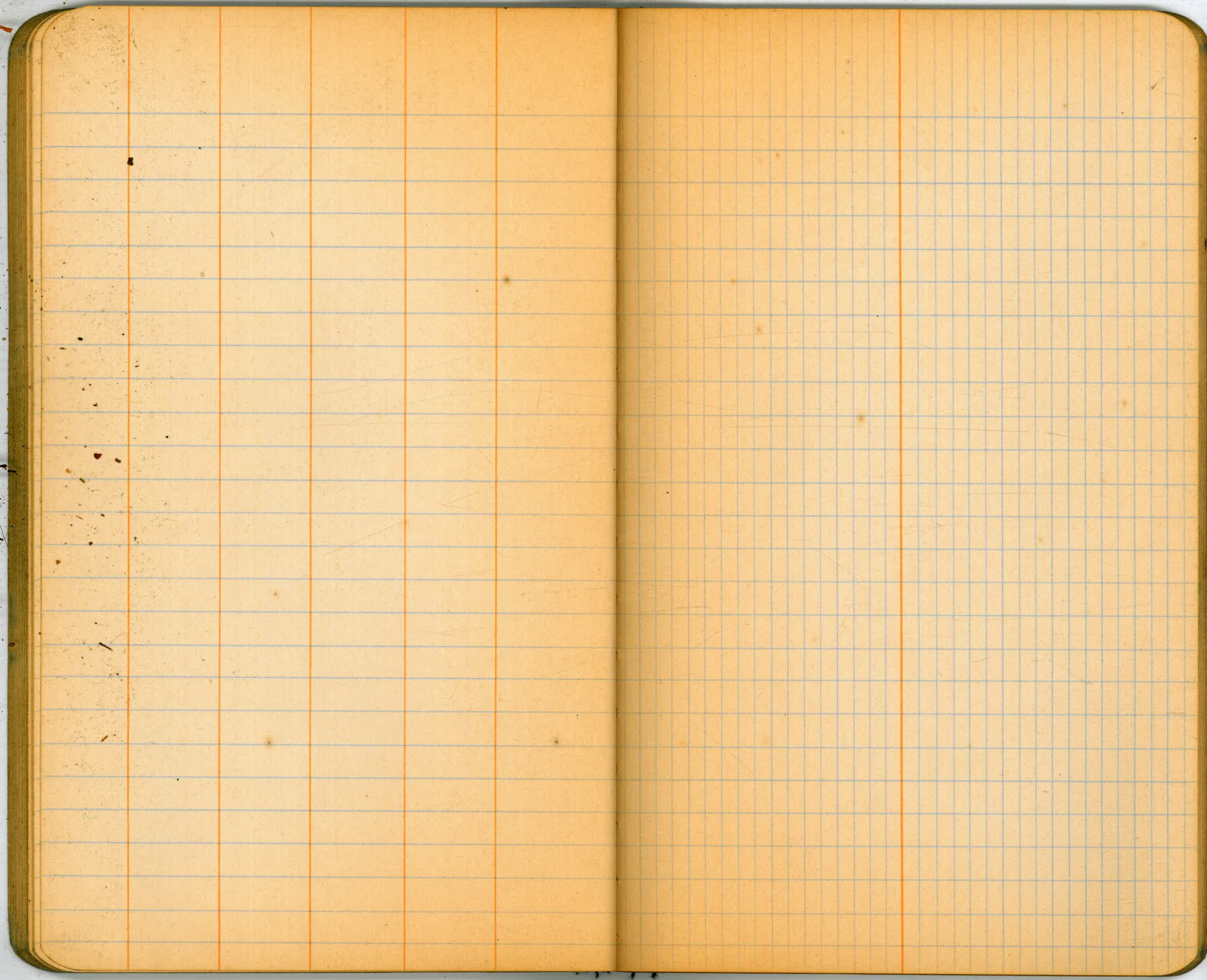








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Benchmarks on San Diego Ave

409.50 N. Side S. D. eye topt. "pipe"

379.91 1" iron pipe. N. Sta 58

Benchmarks at Radio Sta

Datum: East San Diego City 0+108.02

= M.L.L.W. + 108.02

573.69 S. Base of No<sup>2</sup> Tower

580.01 S. Base of No<sup>1</sup> Tower

Top  $\frac{5}{8}$ " hexagonal bolt Top S. W. cor.

Conc. Pier

(M.L.L.W. + 991 = City Zero)

6.55	13.10	6.55	13.10	4.51.3	451.3	4.51.3	451.3
5-4	4	5.95	4.95	17.2	359.6	4.51.3	451.3
21-6	11.4	3.35	4.95	23-0	349.4	4.51.3	451.3
3-8	3	10.75	4.95	8-2	364.2	4.51.3	451.3
5-8	3	13.00	15.4	29-5	342.9	4.51.3	451.3
17.4	19	29.75	25.26	23.7	348.7	4.51.3	451.3
20.5	4	3.55	36.0	-R	332.4	4.51.3	451.3
					447.0		
					451.3		
					463.91		
					409.7		
					465.4		
					475.41		
					464.0041		
					460.5		
					469.2		
					472.9		
					477.10		
					473.80		
					473.60		
					461.20		
					463.30		
					464.55		

6.55	13.10	6.55	13.10	4.51.3	451.3	4.51.3	451.3
5-4	4	5.95	4.95	17.2	359.6	4.51.3	451.3
21-6	11.4	3.35	4.95	23-0	349.4	4.51.3	451.3
3-8	3	10.75	4.95	8-2	364.2	4.51.3	451.3
5-8	3	13.00	15.4	29-5	342.9	4.51.3	451.3
17.4	19	29.75	25.26	23.7	348.7	4.51.3	451.3
20.5	4	3.55	36.0	-R	332.4	4.51.3	451.3
					447.0		
					451.3		
					463.91		
					409.7		
					465.4		
					475.41		
					464.0041		
					460.5		
					469.2		
					472.9		
					477.10		
					473.80		
					473.60		
					461.20		
					463.30		
					464.55		