NAME San Miguel Water Line.

Class ..... Course ..... Party .....

44635 SP
RETURN TO
Watson, Valle & Gough, Inc.
508 Spreckels Bldg.
San Diego, Calif.

200

#1976

FIELD NOTES

No. 403P

ESPECIALLY ADAPTED

TO THE USE OF

ENGINEERING STUDENTS

WATSON, VALLE & GOUGH
#1976 SAN MIGUEL, WATERLINE

EUGENE DIETZGEN CO.
MANUFACTURERS
DRAWING MATERIALS
MATHEMATICAL AND SURVEYING INSTRUMENTS
MEASURING TAPES

CHICAGO SAN FRANCISCO NEW YORK
NEW ORLEANS PITTSBURGH

MICROFILMED
DEC 30 1964

INDEX

1- Profile on Washington St from Palm to National Ave

5 - Profile on Buena Vista + Cuyamaca from San Miguel St to N. Line El Prado

Profile on Washington St from Palm Ave to National

				451.73
	8.16	459.89		
0+00			9.60	450.3
0+50			8.4	451.5
1+00			6.9	453.0
+50			5.7	454.2
2+00			4.6	455.3
+50			3.2	456.7
3+00			2.9	457.0
+50			3.5	456.4
4+00			4.6	455.3
+50			5.9	454.0
T.P			7.65	452.24
	0.59	452.83		
5+00			0.8	452.0
+50			2.8	450.0
6+00			4.8	448.0
+50			6.7	446.1
7+00			8.8	444.0
+50			10.3	442.5
8+00			11.5	441.3
			11.40	441.43
	1.95	443.38		

Nov 2-26

Clark
Todd
Spaulding

1

On Tel. Pole N.E. Cor Palm Ave + Washington – See Book 121-P13

0+00 is 1140565 Palm Ave = 10'E of P.I. Palm + Washington

— NOTE —

Profile was taken 10' E + 10' S of ℄ of Streets

Profile on Washington St

		443.38		
8+50			2.6	440.8
9+00			3.3	440.1
+50			3.6	439.8
10+00			3.8	439.6
10+32			3.6	439.8
10+50			4.0	439.4
11+00			4.7	438.7
11+50			4.6	438.8
12+00			4.8	438.6
T.P.			4.84	438.54
	3.24	441.78		
12+50			3.7	438.1
13+00			4.2	437.6
+50			4.3	437.5
14+00			4.1	437.7
+50			4.4	437.4
15+00			4.7	437.1
+50			4.4	437.4
16+00			4.3	437.5
+50			4.4	437.4
17+00			4.2	437.6
T.P			4.40	437.38
	5.20	442.58		

Approx ℄ Mt Vernon - 10' E of P.I. of Mt Vernon & Washington

Profile on Washington St

		442.58		
17+50			5.2	437.4
18+00			5.2	437.4
+50			5.0	437.6
19+00			4.6	438.0
+50			4.0	438.6
20+00			4.6	438.0
+50			5.3	437.3
T.P.			4.28	438.30
	1.16	439.46		
20+93			1.6	437.9
21+00			2.2	437.3
+50			3.4	436.1
22+00			4.2	435.3
+50			4.3	435.2
23+00			6.4	433.1
+50			7.2	432.3
24+00			7.9	431.6
+50			8.2	431.3
25+00			10.1	429.4
T.P.			10.14	429.32
	2.86	432.18		
25+50			3.6	428.6

Nail in Pole # 77019 at N.W. Cor Washington + ?

10'S and 10'E of P.I. Washington + ?

Profile on Washington St

		432.18		
26+00			4.2	428.0
+50			5.4	426.8
27+00			5.9	426.3
+50			5.9	426.3
28+00			6.4	425.8
+50			6.2	426.0
29+00			4.8	427.4
+30			7.5	424.7
+50			7.3	424.9
30+00			5.7	426.5
			3.51	428.67
	11.33	440.00		
30+50			10.7	429.3
31+00			7.4	432.6
+50			2.3	437.7
+66			3.4	436
+70			1.5	438.5
31+74 = 328+03 National			1.0	439.0
B.M #38			1.13	438.87
				438.61
				.26

On 2x2 hub 438.61 - See Page #1 - Book 113

Profile on Buena Vista + Cuyamaca from San Miguel St to N. Line El Prado

				453.36
	0.86	454.22		
0+00			2.2	452.0
+50			2.8	451.4
1+00			3.5	450.7
+50			5.4	448.8
+75			7.5	446.7
2+00			10.5	443.7
+35			14.6	439.6
+50			14.9	439.3
3+00			15.0	439.2
+50			12.9	441.3
4+00			12.3	441.9
T.P.			11.28	442.94
	0.98	443.92		
4+50			3.3	440.6
5+00			5.1	438.8
+50			7.6	436.3
6+00			10.4	433.5
T.P			11.89	432.03
	0.43	432.46		
6+50			3.3	429.2
7+00			7.3	425.2

Nov 2-1926
Clark
Todd
Spaulding

5

Nail in Pole N.W. Cor. Buena Vista + San Miguel
See Page 27 Book 121

10' E of P.I. San Miguel + Buena Vista

— NOTE —

Profile was run 10' East of ℄ of Road
65° West of ℄ R.R

8.7
4.8
13.5

Profile on Buena Vista + Cuyamaca

		432.46		
7+50			13.5	419.0
T.P.			11.95	420.51
	0.42	420.93		
8+00			7.9	413.0
+50			11.9	409.0
T.P.			11.94	408.99
	0.50	409.49		
9+00			4.4	405.1
+50			8.7	400.8
10+00			12.9	396.6
T.P.			11.55	397.94
	0.30	398.24		
10+50			6.4	391.8
11+00			11.5	386.7
T.P.			11.23	387.01
	0.34	387.35		
11+50			5.8	381.6
12+00			11.1	376.3
			11.36	375.99
	2.62	378.61		
12+50			4.9	373.7
13+00			4.6	374.0
			2.03	376.58

Nail in Tel. Pole at Intersection Buena Vista + Cuyamaca

Profile on Buena Vista + Cuyamaca

Nov-3-26

				376.58		
7		1.57	378.15			
	13+22			4.5	373.7	371.0 = 5' Lt
	+50			4.8	373.4	
8	14+00			5.2	373.0	370.0 = 6' Lt
	+50			5.7	372.5	
	15+00			6.3	371.9	369.5 = 5' Lt
	+50			6.4	371.8	
	16+00			7.7	370.5	369.0 = 5' Lt
	+50			7.2	371.0	
	17+00			5.3	372.9	Wash = 35' Lt
	+50			3.5	374.7	
	18+00			7.0	371.2	
				6.23	371.92	Wash = 35' Lt
		0.08	372.00			
	18+50			3.0	369.0	
	19+00			5.4	366.6	Wash = 30' Lt
	+50			7.8	364.2	
	20+00			8.6	363.4	Wash = 20' Lt
	+50			9.0	363.0	15' Lt
	21+00			9.3	362.7	360.7 = 7' Lt
	+50			10.4	361.6	
	22+00			11.3	360.7	356.5 = 5' Lt
				11.14	360.86	
		1.01	361.87			

10' E P.I. Buena Vista + Cuyamaca

Profile on Buena Vista + Cuyamaca

		361.87			
22+20			0.7	361.07	W. Edge Wash
+50			6.8	355.1	E Wash
23+00			5.3	356.6	In Wash
+30			2.9	359.0	E. Edge Wash
+40			2.4	359.5	E Road E. End. Bridge
+50			2.8	359.1	
+55			5.2	356.7	354.3 = 5' Rt
24+00			6.9	355.0	E Ditch
+50			7.7	354.2	" "
25+00			6.1	355.8	
+50			5.8	356.1	
26+00			5.1	356.8	
+50			7.0	354.9	
27+00			8.5	353.4	Wash 45' Lt
+50			9.7	352.2	
28+00			10.1	351.8	
			8.87	353.00	
	10.21	363.21			
28+50			11.9	351.3	
29+00			11.9	351.3	
+50			10.8	352.4	
30+00			9.6	353.6	
+50			8.1	355.1	

Wash goes under R.R - 65' Lt

Profile on Buena Vista + Cuyamaca

		363.21		
2	31+00		6.6	356.6
	+50		5.8	357.4
2	32+00		5.0	358.2
	+50		5.3	357.9
	33+00		6.2	357.0
			8.72	354.49
		0.89 355.38		
2	33+50		1.1	354.3
	+65		3.7	351.7
2	34+00		13.5	341.9 ~~341.1~~
	+50		14.2	341.2
2	35+00		15.1	340.3
	+21		16.6	338.8
2	+40		14.1	341.3
	+50		9.4	346.0
	+60		4.5	350.9
	36+00		3.4	352.0
	+27		3.8	351.6
	+33		9.2	346.2 { 336.4 = 15' Lt; 350.0 = 5' Rt
	+85		8.9	346.5 { 336.1 = 25' Lt; 352.4 = 11' Rt
	37+00		5.1	350.3
	+50		6.2	349.2

Profile on Buena Vista + Cuyamaca

		355.38		
38+00			8.3	347.1
			7.76	347.62
	1.50	349.12		
38+50			3.9	345.2
39+00			6.1	343.0
39+50			7.9	341.2
40+00			9.6	339.5
+50			10.3	338.8
41+00			11.2	337.9
			10.99	338.13
	2.59	340.72		
+50			3.6	337.1
+75			5.2	335.5
42+00			3.6	337.1
+50			2.3	338.4
43+00			3.2	337.5
+50			3.9	336.8
44+00			4.3	336.4
+50			4.6	336.1
45+00			7.8	332.9
+50			10.7	330.0
46+00			13.9	326.8
			11.92	328.80
	1.60	330.40		

Profile on Buena Vista + Cuyamaca

		330.40			
46+50			4.2	326.2	
47+00			5.3	325.1	
+50			5.6	324.8	
48+00			5.9	324.5	
+50			6.4	324.0	
49+00			8.1	322.3	
+10			7.9	322.5	
+13			6.5	323.9	
+50			7.7	322.7	
50+00			8.8	321.6	
+50			9.9	320.5	
51+00			10.7	319.7	
			10.66	319.74	
	3.24	322.98			
+06			3.5	319.5	
+18			9.6	313.4	Wash passes under R.R - 65' Lt
+50			9.0	314.0	
+72			5.1	317.9	
52+00			5.0	318.0	312.0 = 12' Lt
+50			5.9	317.1	
53+00			7.0	316.0	25' Lt to Wash
+55			7.7	315.3	IX. Line Block #1 El. Prado ? Los Altos
B.M #19			5.82	317.16	B.M. Elev = 317.28

checked by [illegible] Nov. 5, 1926

April 14, 1926

Party { Treadwell, Reed, Tighe

12

BUENA VISTA

Sta	Grade	G.R	R.R.	Cut.	
					453.36
	0.52	453.88 ↑			
0+00			2.4		
0+12	449.00	4.88			
0+30		5.40	2.1	3.3	
+50		5.98	2.3	3.7	
1+00		7.43	3.2	4.2	
+50	445.00	8.88	5.0	3.9	
2+00		13.54	10.2	3.3	
+25	438.00	15.88	13.3	2.6	
+50		15.88	14.7	1.2	
3+00		15.88	14.7	1.2	
+25	438.00	15.88	13.5	2.4	
+50		15.88	12.4	3.5	
+75	438.00	15.88	11.6	4.3	out.
4+00		16.88	11.6	5.3	
			11.81	443.07	
	0.26	442.33 ↑			
4+50	435.00	7.35	1.6	5.8	
5+00	433.00	9.35	3.5	5.9	
+50	429.66	12.69	5.9	6.8	
+75	428.00	14.35	7.2	7.2	
6+00		17.07	8.7	8.4	
+30	422.00	20.33	11.2	9.1	
			11.23	431.10	
	0.88	431.98 ↑			

Level

2.89%

4.00%

1.09%

B.M. Nail in tel pole N.W. cor. BUENA VISTA & SAN MIGUEL.

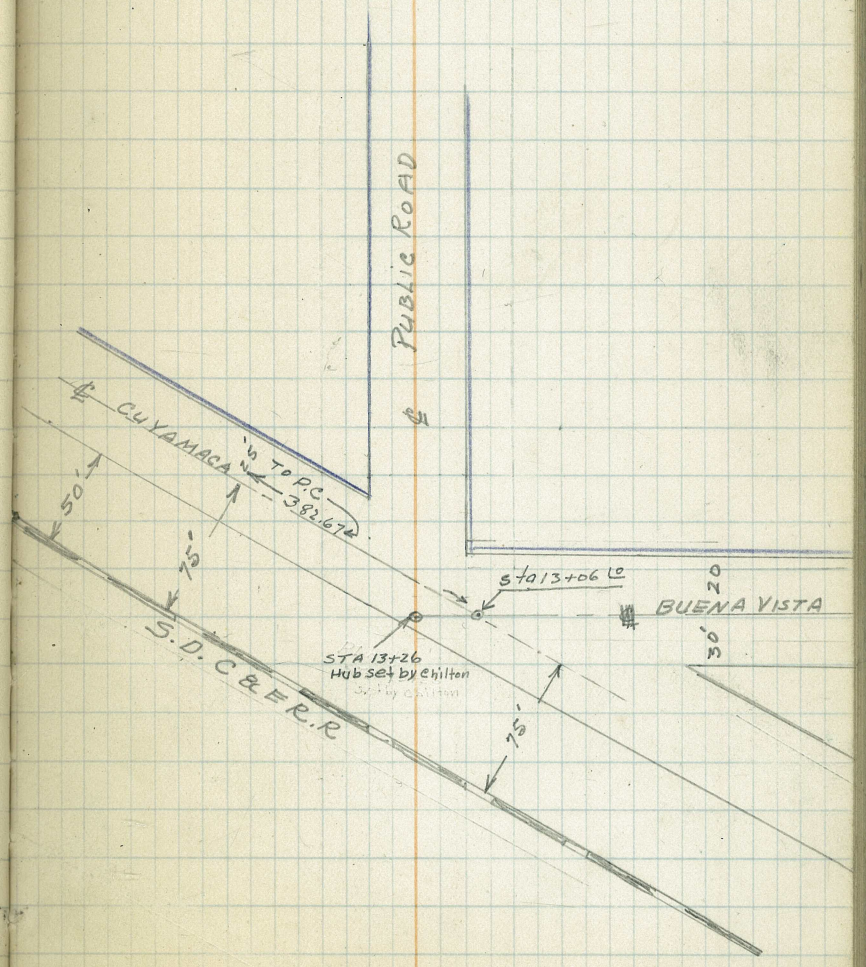
elev. 449.0 is the top of pipe

8" Gate

TP.

TP.

		431.98 ℄			
6+80	420.00	11.98	5.3	6.7	8" Gate.
7+00	418.18	13.80	7.1	6.7	
+50	413.64	18.34	14.3	4.0	
			11.90	420.08	TP
	0.72	420.80 ℄			
8+00	409.09	11.71	8.9	2.9	
+50	404.55	16.25	12.5	3.8	
			11.26	409.54	TP.
	0.28	409.82			
9+00	400.00	9.82	4.8	5.0	
+50		14.02	9.1	4.9	
10+00	391.61	18.21	13.1	5.1	
			11.91	397.91	TP.
	0.30	398.21 ℄			
+50	387.41	10.81	6.2	4.6	
11+00	383.20	15.01	11.4	3.6	
			11.98		TP
	0.05	386.28 ℄			
11+50	378.80	7.48	4.7	2.8	
+83	376.00	10.28	8.1	2.2	
			11.77	374.51	TP
	4.74	379.25 ℄			
			2.62	376.63	
				376.58	BM. Cuy. & BUENA VISTA NAIL IN TEL.POLE.


PUBLIC ROAD
℄ CUYAMACA
25' TO P.C.
382.67
50'
75'
sta 13+06 ⌊o
BUENA VISTA
20
30'
STA 13+26
Hub set by Chilton
S.D.C&E R.R
75'