

NAME Valencia Park

Class _____ Course _____ Party ^{#2} _____

Profile levels Pipe line

RETURN TO
Watson, Valle & Gough, Inc.
608 Spreckels Bldg.
San Diego, Calif.

1921

312
FIELD NOTES

No. 403P

ESPECIALLY ADAPTED
TO THE USE OF
ENGINEERING STUDENTS

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

Profile Levels City
Pipeline thru Valencia #2 1-13

Profile Levels City Pipeline
at Churchward 14-16

EF Chilton
 J. Thompson
 W. Bunker
 4-4-1927

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PROFILE
 30" CITY PIPE LINE THRU VALENCIA #2

BM			188.92
	0.87	189.79	
		11.95	177.84
	2.26	180.10	
		11.82	168.28
	0.42	168.70	
0-237	Apparent bottom vert Curve		
0-217			
0-200			
0-179			
		0.42	168.28
	11.61	172.89	
0-148			
		1.75	178.14
	10.87	189.01	
0-117			
0-104			

Top stand pipe near end Barcelona St

Top 30" Pipe	Average Ground	Ground in Trench
	$\pi 168.70$	
152.0 16 ⁷	153.70 15 ⁰	153.4 15 ³
	155.7 13 ⁰	155.7 13 ⁰
	161.7 7 ⁰	159.9 8 ⁰
	164.4 4 ³	164.4 4 ³
	$\pi 179.89$	
	169.7 10 ²	169.7 Same
	$\pi 189.01$	
	180.1 8 ²	179.4 9 ⁰
176.5 12 ⁵	183.3 5 ⁷	180.8 8 ²

0-95

0-82

Stand Pipe - App Top Vert Curve

0-70

0+00

West Boundary Valencia Park #2, 45' south
from N.W. Cor. Block B

0+20

0.10 182.91 = 108.92 B.M.

Started from

0.10 182.02

11.50 177.52

0.90 178.42

1+08

11.20 167.22

0.65 167.87

1+77

1+83

N.L. Trinidad Way - See Street X-sec. for pipe elevation

189.01

Top 30" Pipe Average Grd. Ground in Trench.

184.8

4.2

185.9

3.1

186.7

2.2

178.1

180.6

10.2

8.4

178.7

10.2

178.92

171.1

175.7

7.2

2.2

167.87

164.9

3.2

163.5

4.4

				Top 30" Pipe	Av. Ground.	Ground in Trench
		11.80	156.07		<u>156.80</u>	
	0.33	156.90		149.1	151.4	
2+35	S.L. Trinidad St.			7 ³	5 ⁰	✓
2+92					142.1	
					18 ³	✓
2+03					140.6	
					15 ⁸	✓
3+26	App. bottom Vert Curve			Wash →	138.3	140.3
					18 ²	16 ²
						✓
3+82					146.3	
					10 ²	✓
4+15					154.2	
					2 ²	✓
		0.92	155.48		<u>167.11</u>	
	11.63	167.11			160.4	
4+35					6 ³	✓
4+75	N.L. San Bernardo			160.4	164.8	163.4
				6 ²	2 ³	3 ²
		0.33	166.78			

10.81 177.59
177.79

4+95

5+00

5+32

5+33 S.L. San Bernardo

5+41

5+42

5+55

5+56

Top 30" Pipe

Av. Ground
X 177.79

Ground in Trench

169.3 166.7
8⁵ 11³

169.6
8³ ←

170.7 171.3
4⁶ 6⁵

173.2 169.2
9⁶ 8⁶

Dug down to Rod of 12"
did not reach pipe.

174.3 168.0
3⁵ 9⁸

174.2 173.1
3⁶ 4⁷

174.2 173.4
3⁶ 4⁶

174.3 171.7
3⁵ 6⁴

					Top of Pipe	Av. Ground	Ground in Trench
					169.2	π 177.79 173.0	171.5
5+71	stand Pipe - App. Top Vert Curve				9 ⁵	4 ⁸	6 ³
						172.8	171.2
6+05						5 ⁰	6 ⁵
					167.8	172.4	169.6
6+07					10 ²	5 ⁴	8 ²
						169.5	
6+62						8 ³	✓
			9.97	167.62		π 172.84	
	5.02	172.64		167.82		172.64	
						169.5	
7+27	WL to Poz					3 ¹	✓
						168.9	
7+51						3 ⁹	✓
						168.6	167.1
7+53						4 ⁰	5 ⁵
					165.3	168.0	166.7
7+60					7 ¹	4 ⁶	5 ⁹

		Top of Pipe	Hy. Ground	Ground in Trench
7+84	EL. La Poz		172.84 172.64 165.5 8.0	✓
8+20			164.5 8.2	✓
8+75			168.5 7.2	✓
8+94			166.7 5.2	✓
9+35		169.0 8.5	167.6 5.2	166.3 6.9
9+39			168.3 4.3	167.0 5.6
9+41			168.6 4.2	✓
9+65			171.0 1.8	✓

10+00

1.93 167.31 7.26 165.38
 167.51 165.58

10+20

N.L. Olivera Ave

10+75

10+89

S.L. Olivera Ave

11+11

11+18

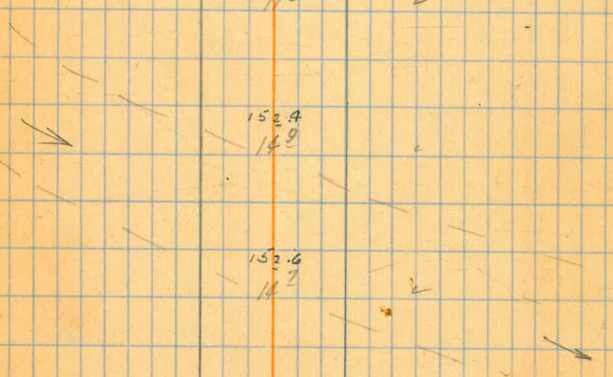
11+21

4" pipe - App bottom Vert Curve

11+67

Top of Pipe	Av. Ground	Ground in Trench
	172.84	
	172.60	
	169.4	✓
	3 ³	
	167.51	
	167.31	
	165.5	✓
	1 ⁸	
	156.3	✓
	11 ²	
	155.5	✓
	11 ⁸	
	152.4	✓
	14 ⁹	
	153.6	✓
	14 ⁷	
	149.9	✓
	17 ³	
	151.7	✓
	9 ⁶	

Wash



11+75

11+81

N.L. Santa Isabel

11+84

11+87

11+92

12+60

11.29

177.9
178.10

0.70

160.61
166.81

13+12

13+55

Top of Pipe Avg. Ground Ground in Trench

167.51
167.31
156.4
10.2

154.0
13.3

153.0
14.3

Wash →

151.1
16.3

163.0
14.3

156.2
11.1

169.2
13.1

166.8
8.5

170.10
177.9
168.4
9.3

166.0
11.2

Top of pipe ~~Avg Ground~~ ~~Ground in Trench~~

13+72

178.10
177.9
169.6
9.3

←

14+07

168.9
9.0

←

14+10

167.0
10.9

162.4
15.5

— — — — —

14+20

←

162.3
15.6

← Wash

14+28

168.1
9.8

163.2
14.7

— — — — —

14+30

169.4
8.5

168.3
9.6

14+86

174.6
3.4

175.6
2.3

174.7
3.2

14+90

176.6
3.1

←

11.37 184.70 0.57 177.33
188.90 177.53

				Top of Pipe	Av. Ground	Ground in Trench
14+98	N. L. San Onofre				188.90 188.7 178.8 9.2	✓
15+10					182.7 6.0	✓
15+31					183.3 5.4	✓
15+56	S. L. San Onofre				185.4 3.3	✓
15+70					187.4 1.3	✓
		0.52	188.18 188.38		199.52 199.52	
	11.14	199.52			190.7 8.6	✓
16+47					193.6 5.7	✓
16+83					197.4 1.2	✓
17+12						

				Top of Pipe	Av. Ground	Ground in Trench
17+23					$\Sigma 198.52$ 199.32 196.5 28	←
17+35				195.4 3.9	198.5 0.8	196.7 2.6
			0.15	199.17		
	11.48	210.65		199.37		
17+60		210.85			$\Sigma 210.85$ 210.65 199.7 10.9	198.4 12.3
18+03	N.L. Encino.				202.5 8.1	←
18+22					205.1 5.5	←
18+55	S.L. Encino			202.9 7.7	205.3 5.3	←
18+72					200.0 4.0	←
18+79					207.2 3.2	←

19+83 stand pipe - Top Vert Curve
 210.58 216.72
 0.07 210.78 = $\frac{6.12}{210.60}$
 1+2 212.02
 19+84 N.L. Santa Isabel st (17' East of hub
 at corner of lots 16 & 17)

20+20

20+46

21+00

21+05

21+30

21+56

0.64 201.65

11.01 201.01

Tap of Pipe Av Ground Ground in Trench

π 210.85
~~210.65~~

207.6

3^e

B.M. Tap stand pipe S.E. Cor. Valencia #2

 π 212.02

208.7

3^e

206.0

6^e

206.8

5^e

207.5

4^e

202.4

4^e

206.7

6^e

201.7

10^e

205.8

6^e

202.8

7^e

203.4

8^e π 201.65

199.3

2^e

					Top of Pipe	Av. Ground	Ground in Trench
						7 201.65	
21+75						195.3	192.8
						6 ³	8 ⁸
22+05					189.8	186.1	
					16 ⁸	15 ⁵	✓
22+42						188.8	
						12 ⁸	✓
22+85						183.2	
						18 ³	✓
23+00					179.1	179.1	
					22 ⁵	22 ⁵	✓
		0.64	201.01				
	10.37	211.38					
		0.78	210.60	B.M.			

Standpipe S.E. Cor. Valencia #2

4-4-1927
E. Chilton

Top. of Pipe	AV. Ground $\pi 200.24$	Ground in Trench
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0+81	stand pipe - Top of Vert. Curve	193.3 6 ²	195.7 4.5	✓
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1+78			195.0 5 ³	✓
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1+50			195.5 4.7	✓
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2+00			192.9 8 ²	✓
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	1.37	11.79	189.82	$\pi 189.82$	
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2+18			189.1 0.7	✓
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2+23			182.5 7 ²	182.5 2 ²	182.1 5.7
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2+34			185.2 4 ²		183.0 6 ²
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2+35			184.5 5 ²		✓
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					Top of Pipe	Ax Ground 189.82	Ground in Trench
2+51					182.9	8.9	180.9
					8.9		8.9
2+54					180.9	8.9	179.0
					8.9		10.8
			12.00	177.82			
	10.9	178.91			178.91		
2+94					178.16	5.3	✓
3+00					172.4	6.5	171.6
							7.3
3+50					166.1	12.8	✓
3+65					164.0		165.0
2+65	App. bottom Vert. Curve				14.9	13.2	✓
			10.9	177.82			
	12.02	189.84					
			13.9	188.45			
	11.54	199.99					
			7.74	192.25 = 192.25			

S.M. started from.

4-5-1927
C. Chilton



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