

BOOK B

Ghollas Pipe Line Level Notes

W 626-B

DIETZGEN

FIELD BOOK

No. 403 P

BM #126 = Elev. 304.77

Air Valve Sta. 809+65

BM #127 = Elev. 299.34

Air Valve Sta. 826+22

BM #128 = Elev. 319.77

Air Valve Sta. 840+16

BM #129 = Elev. 314.73

Air Valve Sta. 843.68

[BM #130 = Elev. 251.68

(Nail in power pole 25' Right. Sta. 850+30

MICROFILMED

JAN 13 1965

B.M.#1 = Elev. 342.71

North East Cor. of concrete Box Sta 800+6.77

B.M.#2 = Elev. 323.06

Sta 817+97 4" Air Valve on Steel Pipe Line

B.M.#3 = Elev. 378.24 = Tag #138

Sta. 826+07 4" Air Valve on Steel Pipe Line

B.M.#4 = Elev. 320.92

Sta. 840+02 4" Air Valve on Steel Pipe Line

B.M.#5 = Elev. 314.44

Sta 845+47 4" Air Valve on Steel Pipe Line

B.M.#6 = Elev. 340.22

Sta 850+12 4" Air Valve on Steel Pipe Line

⊙ 8' offset
 ± center line

Relocation of 36" Water on Otag Line

Stas. 800+67.7 to

Sta.	B.S.	Ht.	I.S.	Rod	Elev.
B.M.#126					304.77
π #1	4.32	309.09			
T.P.#1			1.05		308.04
π #2	12.66	320.70			
T.P.#2			1.28		319.42
π #3	12.73	332.15			
T.P.#3			0.39		331.76
π #4	12.23	343.99			
B.M.#1				1.28	342.71
		343.99			
800+67.7 [⊙]				4.0	340.0
" ±				4.1	339.9
801+00 [⊙]				8.5	335.8
" ±				8.8	335.2
T.P.#4			12.45		331.54
π #5	0.65	332.19			
801+31 [⊙]				1.6	330.6
" ±				4.5	327.7
801+41.2 [⊙]				3.7	328.5
" ±				5.7	326.5
	42.59		15.17		
	377.36				
	15.17				
	332.19				

π Messersmith
 φ Melhorn

11/13/41

304.77
4.32
309.09
1.05
308.04
12.66
320.70
1.28
319.42
12.73
332.15
0.39
331.76
12.23
343.99
1.28
342.71
4.0
340.0
4.1
339.9
8.5
335.8
8.8
335.2
12.45
331.54
0.65
332.19
1.6
330.6
4.5
327.7
3.7
328.5
5.7
326.5
42.59
377.36
15.17
332.19

11/14/41

332.19
12.28
319.41

187
321.82
12.93
308.57
10.2
309.57
12.97
297.28
4.45
298.93

Sta	B.S.	H.I.	F.S.	Rod	Elev.
		332.19			
801750 [Ⓢ]				4.8	327.4
" ♀				5.0	327.2
802700 [Ⓢ]				9.7	322.5
" ♀				10.4	321.8
802750 [Ⓢ]				12.8	319.4
" ♀				13.0	319.2
T.P.# 5			12.28		319.41
π # 6	1.91	321.32			
803700 [Ⓢ]				4.8	316.5
" ♀				5.2	316.1
803750 [Ⓢ]				5.5	315.8
" ♀				9.7	311.8
804710 [Ⓢ]				9.4	311.9
" ♀				9.7	311.6
T.P.# 6			12.25		318.57
π # 7	1.02	309.59			
804750 [Ⓢ]				2.1	307.5
" ♀				2.4	307.2
805700 [Ⓢ]				8.2	301.4
" ♀				8.7	300.9
T.P.# 7			12.31		299.28
π # 8	1.65	298.93			
	4.58		37.84		
	332.19				
	336.77				
	37.84				
	298.93				

Sta	BS	HI	FS	Red	Elev
		298.93			
805+50	⊙			3.5	295.4
"	⊘			6.4	292.5
805+50				3.7	295.2 <small>Top Pipe</small>
805+68	⊙			6.7	292.2 <small>Top Pipe</small>
"	⊘			9.2	289.7
"				4.0	294.9 <small>Top Pipe</small>
805+78	⊙			9.8	289.1 <small>Bottom Pipe</small>
"	⊘			9.0	289.9
"				4.0	294.9 <small>Top Pipe</small>
806+00	⊙			8.6	290.3
"	⊘			8.7	290.2
"				3.7	295.2 <small>Top Pipe</small>
806+15	⊙			9.0	289.9 <small>Top Pipe</small>
"	⊘			6.4	292.5
"				3.4	295.5 <small>Top Pipe</small>
806+50	⊙			4.2	294.7
"	⊘			5.2	293.7
"				2.9	296.0 <small>Top Pipe</small>
T.P. #8			1.70		297.23
⊘ #9	11.95	309.18			
807+00	⊙			11.9	297.3
"	⊘			10.8	298.4

11.95
298.93
310.88
1.70
309.18

298.93
1.70
297.23
11.95
309.18

Sta	BS	HI	FS	Red	Elev.
		309.18			
807+50	⊙			7.4	
"	⊕			6.8	302.4
808+00	⊙			2.9	
"	⊕			5.3	302.9
808+50	⊙			2.6	
"	⊕			4.4	304.8
"				6.2	TOP PIPE
809+00	⊙			2.5	306.7
"	⊕			4.7	4.5
809+50	⊙			3.4	
"	⊕			5.0	304.2
TR 9			4.49		304.69
					304.77
N#10	2.82	307.59			
810+00	⊙			2.5	
"	⊕			2.6	305.0
810+50	⊙			2.4	
"	⊕			3.1	304.5
"				4.8	TOP PIPE
811+00	⊙			2.6	305.0
"	⊕			2.4	
811+50	⊙			3.7	
"	⊕			3.8	303.8

309.49

304.69

304.77

2.82

307.59

Sta.	B.S.	H.I.	F.S.	Red	Elev.
		307.59			
812+00 [⊙]				4.8	
" ♀				5.2	302.4
812+50 [⊙]				5.5	
" ♀				5.7	301.9
812+30				7.55	T.P. #10
813+00 [⊙]				5.0	
" ♀				5.2	302.4
813+50 [⊙]				3.6	
" ♀				3.4	304.2
814+00 [⊙]				1.1	
" ♀				1.0	306.6
T.P.#10			1.03		306.56
π#11	11.88	318.44			
814+50 [⊙]				7.3	
" ♀				7.5	310.9
814+56				8.35	T.P.#12
815+00 [⊙]				2.4	
" ♀				2.5	315.9
T.P.#11			1.40		317.04
π#12	8.94	325.98			

307.59
 1.03
 306.56
 11.88
 318.44
 1.40
 317.04
 8.94
 325.98

Sta.	B.S.	I.I.	F.S.	Red	Elev.
		325.98			
815750 [⊙]				6.1	
" ⊘				7.4	Top P.P. 319.6
816700 [⊙]				6.1	
" ⊘				6.2	319.8
816750 [⊙]				5.8	
" ⊘				6.1	319.9
817401 [⊙]				5.0	⊕ Top Road
" ⊘				5.1	321.9
817430 [⊙]				4.6	
" ⊘				5.4	320.6
818700 [⊙]				5.9	
" ⊘				5.8	319.2
B.M. #2			292		323.06
		325.98			
818750 [⊙]				8.4	
" ⊘				8.6	317.4
T.P. #12			12.40		313.58
A #13	117	314.75			
819400 [⊙]				2.2	
" ⊘				1.5	313.2
"				3.3	Top P.P.
819750 [⊙]				8.4	
" ⊘				8.4	306.3

325.98
 12.40
 313.58
 1.17
 314.75

Sta.	B.S.	HI	I.S.	Rsd.	Elev.
		314.75			
T.P. #13			12.75		302.00
W #14	0.73	302.73			
820+00 [Ⓢ]				3.6	
" ♀				3.2	299.5
820+45				5.8	Top P.P.
820+50 [Ⓢ]				9.6	
" ♀				10.2	292.5
T.P. #14			11.99		290.74
W #15	0.28	291.02			
821+00 [Ⓢ]				3.4	
" ♀				3.1	287.9
821+50 [Ⓢ]				6.8	
" ♀				6.2	284.8
822+00 [Ⓢ]				10.2	
" ♀				9.7	281.3
822+50 [Ⓢ]				12.4	
" ♀				11.8	279.2
T.P. #15			11.20		279.82
W #16	2.01	281.83			
823+00 [Ⓢ]				4.8	
" ♀				3.7	278.1
823+50 [Ⓢ]				5.9	
" ♀				5.5	276.3

314.75
12.75
 302.00
 0.73

302.73
11.99
 290.74
 0.28
 291.02
11.20
 279.82
 2.01
 281.83

Sta	B.S.	H.I.	I.S.	Rod	Elev.
		281.83			
824+00 [Ⓢ]				6.4	
" ♀				5.8	276.0
824+35				7.9	TOP PIPE
824+50 [Ⓢ]				6.2	
" ♀				6.1	275.7
B.C. 824+63 [Ⓢ]				6.1	
" ♀				5.9	275.9
825+00 [Ⓢ]				5.4	
" ♀				5.1	276.7
825+16 [Ⓢ]				5.2	
" ♀				5.5	276.3
825+50 [Ⓢ]				5.4	
" ♀				5.3	276.5
E.C. 825+69 [Ⓢ]				4.9	
" ♀				4.8	TOP PIPE
826+00 [Ⓢ]				5.2	
" ♀				4.4	TOP PIPE 277.4
B.M. #127				2.50	279.33
B.M. #3				3.59	278.24
		281.83			
826+50 [Ⓢ]				6.8	
" ♀				6.0	275.8

281.83

2.50

279.33

281.83

3.59

278.24

Sta	B.S.	I.T.	F.S.	Rod	Elev
		281.83			
T.P.#16			8.54		273.29
π #17	0.51	273.80			
827+00 [Ⓢ]				4.6	
" 2				4.8	269.0
827+50 [Ⓢ]				13.2	
" 2				13.2	260.6
T.P.#17			12.59		261.21
π #18	0.30	261.51			
827+57 [*]				2.5	TOP Pile
828+00 [Ⓢ]				10.1	
" 2				10.4	251.1
T.P.#18			12.04		249.47
π #19	0.72	250.19			
828+50 [Ⓢ]				7.2	
" 2				10.5	TOP Pile
T.P.#19			12.48		237.71
π #20	0.86	238.57			
829+00 [Ⓢ]				12.4	TOP Pile
" 2				12.1	226.5
T.P.#20			12.44		226.13
π #21	1.55	227.68			

281.83
8.54
273.29
0.51
273.80
12.59
261.21
0.30
261.51
12.04
249.47
0.72
250.19
12.48
237.71
0.86
238.57
12.44
226.13
1.55
227.68

Sta.	B.S.	H.I.	F.S.	Rod	Elev
		227.68			
829+50 [Ⓢ]				6.9	
" ♀				7.2	220.7
830+00 [Ⓢ]				9.5	
" ♀				10.2	217.7
830+50 [Ⓢ]				9.9	Creek Bank 217.8
" ♀				11.0	Creek Bank 216.7
TP#21			9.85		217.83
TP#22	5.90	223.73			
830+70 [Ⓢ]				8.9	Water gauge 214.3
" ♀				8.2	Top Pipe 215.5
831+00 [Ⓢ]				8.9	Top Pipe 214.3
" ♀				8.8	Top Pipe 214.9
831+10 [Ⓢ]				8.9	Water gauge 214.3
" ♀				8.6	Top Pipe 215.1
831+15 [Ⓢ]				5.7	Creek Bank 218.0
831+50 [Ⓢ]				5.0	
" ♀				5.4	218.3
832+00 [Ⓢ]				5.9	
" ♀				5.7	218.0
832+50 [Ⓢ]				4.4	
" ♀				6.9	216.8
833+00 [Ⓢ]				5.4	
" ♀				5.8	217.9

227.68

9.85

217.83

5.90

223.73

S No.	B.S.	I.T.	F.S.	Red	Elev.
		223.73			
833+50 [⊙]				3.6	
" ⊘				4.0	219.7
T.P.#22			3.61		220.12
A #23	12.56	232.68			
834+00 [⊙]				9.0	
" ⊘				9.2	223.5
834+50 [⊙]				4.8	
" ⊘				5.6	227.1
835+00 [⊙]				0.9	
" ⊘				1.3	231.4
T.P.#23			0.89		231.79
A #24	12.64	244.43			
835+50 [⊙]				6.5	237.9
" ⊘				5.9	238.5
T.P.#24			0.27		244.16
A #25	11.73	255.89			
836+00 [⊙]				5.9	249.6
" ⊘				6.3	249.6
T.P.#25			0.25		255.64
A #26	12.10	267.74			
T.P.#26			0.24		267.50
A #27	12.03	279.53			

223.73
3.61
<u>220.12</u>
12.56
232.68
0.89
<u>231.79</u>
12.64
<u>244.43</u>
0.27
<u>244.16</u>
11.73
<u>255.89</u>
0.25
<u>255.64</u>
12.10
<u>267.74</u>
0.24
<u>267.50</u>
12.03
<u>279.53</u>

Sta	B.S.	I.I.	F.S.	Rod	Elev.
		279.53			
836+50 [Ⓞ]				10.0	
" ♀				9.9	Wood 269.6
T.P.#27			0.14		279.39
π#28	12.89	292.28			
837+00 [Ⓞ]				7.0	
" ♀				6.6	285.7
T.P.#28			0.36		291.92
π#29	11.84	303.76			
837+50 [Ⓞ]				10.6	
" ♀				10.8	293.0
838+00 [Ⓞ]				6.0	
" ♀				6.1	297.7
838+50 [Ⓞ]				1.2	
" ♀				0.4	305.4
T.P.#29			1.24		302.52
π#30	12.51	315.03			
839+00 [Ⓞ]				5.2	
" ♀				4.2	310.8
T.P.#30			0.89		314.14
π#31	10.20	324.84			
839+50 [Ⓞ]				8.7	
" ♀				8.5	315.8

279.53
~~917~~
299.59
12.89
292.28
0.36
291.92
11.84
303.76
12.4
302.52
12.51
315.03
0.89
314.14
10.20
324.84

Sta.	B.S.	H.I.	F.S.	Rod	Elev
		324.34			
840+00 [Ⓢ]				5.9	318.4
" 2				5.4	318.9
BM#128					319.77
Doff			4.50		319.84
B.M.#4			3.42		320.92
		324.34			
840+50 [Ⓢ]				5.7	
" 2				4.7	319.6
841+00 [Ⓢ]				8.1	
" 2				7.6	316.7
841+10				9.7	Wood P.P. Line
841+50 [Ⓢ]				8.4	
" 2				11.5	312.8
842+00 [Ⓢ]				10.0	
" 2				12.8	Wood P.P. Line 311.5
T.P.#31			9.97		314.37
#32	4.59	318.96			
842+50 [Ⓢ]				5.9	313.1
" 2				7.8	W.P.L. 311.2
843+00 [Ⓢ]				5.1	313.9
" 2				6.8	W.P.L. 312.2
843+50 [Ⓢ]				4.2	315.8
" 2				6.2	W.P.L. 312.8

W
31
9.0
312.8

4.50

3.72

324.34

324.34

324.34

4.50

3.72

9.97

319.84

320.92

314.37

4.59

318.96

S ₂	B.S.	H.I.	F.S.	Rod.	Elev.
		318.96			
B.M.#129			7.0		314.93
Deff			4.08		314.88
		318.96			
844+00 [Ⓟ]				4.6	315.4
" \pm				6.0	W.P.L. 313.0
844+50 [Ⓟ]				3.9	316.1
" \pm				6.0	W.P.L. 313.0
845+00 [Ⓟ]				5.1	314.9
" \pm				7.3	W.P.L. 312.7
845+50 [Ⓟ]				5.5	314.5
" \pm				8.7	W.P.L. 311.3
B.M.#5			4.52		314.44
846+00 [Ⓟ]		318.96		8.3	311.7
" \pm				11.8	W.P.L. 308.2
T.P.#32			12.95		306.01
A#33	0.97	306.98			
846+50 [Ⓟ]				1.6	306.4
" \pm				5.2	W.P.L. 300.8
T.P.#33			12.98		294.00
A#34	2.29	296.29			
847+00 [Ⓟ]				0.7	295.6
" \pm				3.3	W.P.L. 291.0

318.96	318.96
40.8	45.2
<u>314.88</u>	<u>314.74</u>
.15	

318.96
<u>12.95</u>
306.01
<u>0.97</u>
306.98
<u>12.98</u>
294.00
<u>2.29</u>
296.29

Sta	B.S.	H.L.	F.S.	Rod	Elev.
		296.29			
847+50 [⊙]				7.9	288.4
" 2				8.7	287.6
B.C. 847+85 [⊙]				7.2	289.1
" 2				8.5	287.8
848+00 [⊙]				6.9	289.4
" 2				8.7	288.0
E.C. 848+40 [⊙]				9.1	287.2
" 2				9.3	287.0
T.P. #34			12.55		283.74
π #35	0.27	284.01			
849+00 [⊙]				3.6	280.4
" 2				4.0	280.0
T.P. #35			12.95		271.06
π #36	0.15	271.21			
849+50 [⊙]				5.5	265.7
" 2				7.7	263.3
T.P. #36			11.62		259.59
π #37	0.90	260.49			
850+00 [⊙]				7.3	253.2
" 2				8.0	252.5
850+50 [⊙]				10.3	250.2
" 2				10.7	249.8

296.29
~~12.55~~
~~283.74~~
~~0.27~~
~~284.01~~
~~12.95~~
~~271.06~~
~~0.15~~
 271.21
~~11.62~~
 259.59
~~0.90~~
 260.49

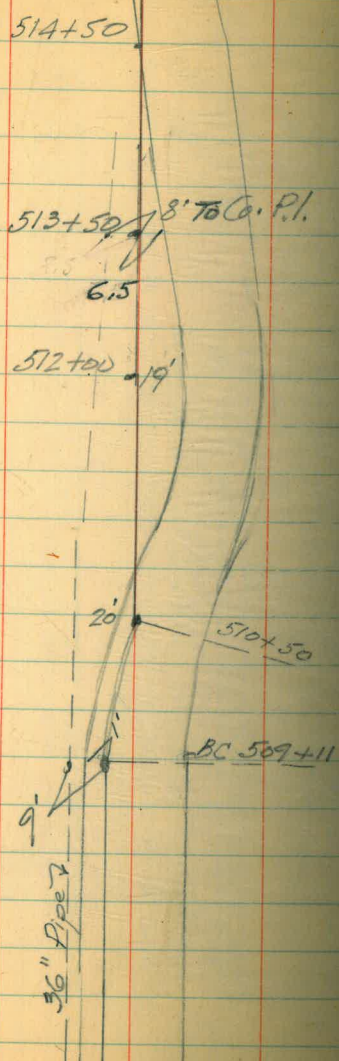
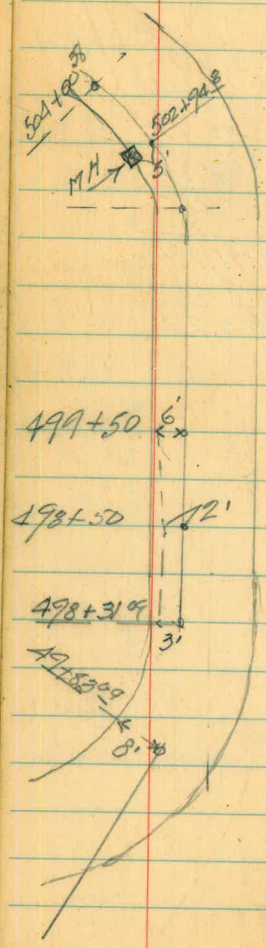
Sta	P.S.	H.I.	F.S.	Rod	Elev
		260.49			
851+00 [Ⓞ]				11.0	249.5
" #				11.5	249.0
851+50 [Ⓞ]				11.5	249.0
" #				12.0	248.5
851+94 [Ⓞ]				12.0	248.5
" #				11.6	248.9
852+05 [Ⓞ]				14.4	246.1
" #				13.3	247.2
852+10 [Ⓞ]				15.8	244.7
" #				12.8	247.7
852+15 [Ⓞ]				14.3	245.2
" #				12.5	248.0
852+20 [Ⓞ]				11.9	248.6
" #				12.1	248.4
852+50 [Ⓞ]				1.2	259.3
" #				4.6	255.9
T.P.#37			1.14		259.35
T.#38	12.60	271.95			
T.P.#38			0.42		271.53
T.#39	12.38	283.91			
853+00 [Ⓞ]				6.4	277.5
" #				6.1	277.8

260.49
1.14
259.35
12.60
271.95
0.42
271.53
12.38
283.91

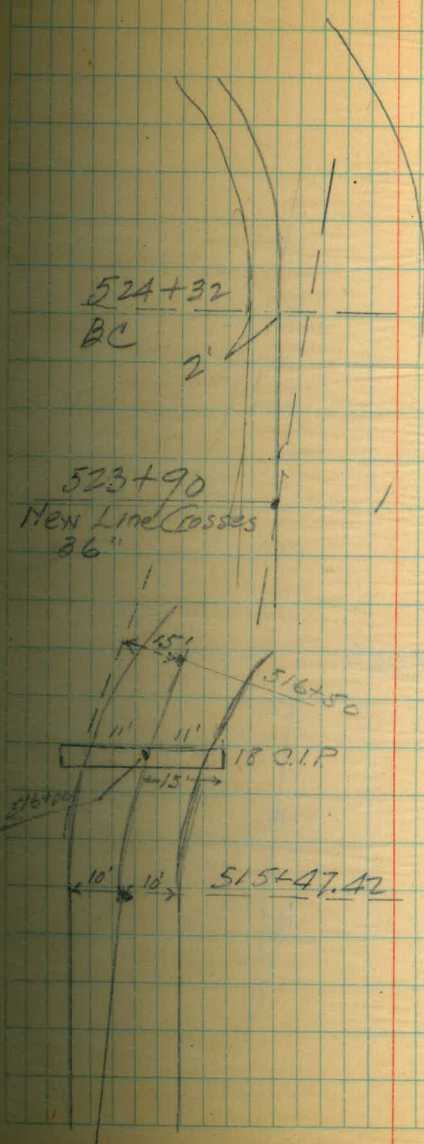
Sta.	B.S.	I.I.	F.S.	Red.	Elev.
		283.91			
TP#39			0.08		283.83
π#40	12.53	296.36			
TP#40			0.83		295.53
π#41	12.80	308.33			
853+50 ^o				10.0	298.3
" #				9.0	299.3
TP#41			0.46		307.87
π#42	11.99	319.86			
854+00 ^o				2.5	
" #				3.2	316.7
TP#42			0.32		319.54
π#43	12.68	332.22			
854+50 ^o				4.1	328.1
" #				6.4	325.8
TP#43			0.17		332.05
π#44	9.89	341.94			
855+00 ^o				4.8	337.1
" #				10.3	331.6
B.M. #6				16.7	340.27

(800+672 to 855+00)
 Level Notes checked to here - 11/19/61 - G.V.B.

283.91
0.08
283.83
12.53
296.36
0.83
295.53
12.80
308.33
0.76
308.87
11.99
319.86
0.32
319.54
12.68
332.22
0.17
332.05
2.5
316.7
1.67
340.27
7-194



Mileage - 365
Mission Gorge - 386



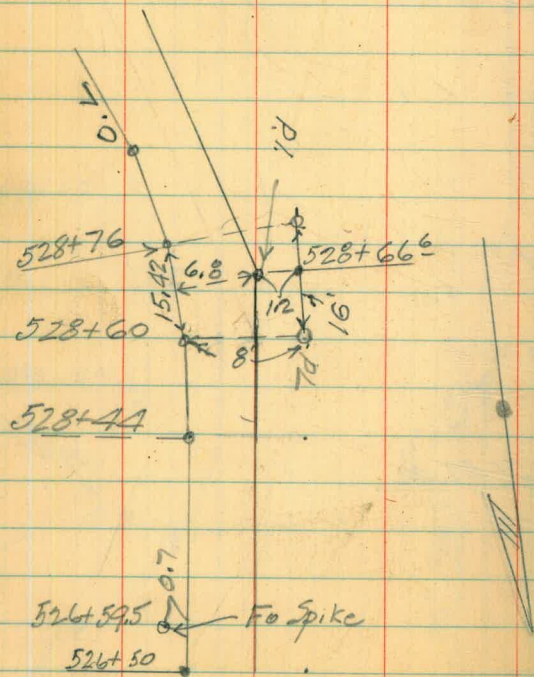
5/a- Edge
REV.

532+00 2.0

530+88 8.0

530+00 10.0

4/23/41: Mileage 58407



Sta.	Meas. made from 8' offset.			
	LP	LB	RP	RB
501+44.72	3'	11'	17	23
502+94 ⁸²	7'	9.5	12	17
505+00	4	9	15	23
509+11	1'	9	18	26
510+74 ⁷⁷	R ^L -5'	9'	25	30
513+50	R ^L 4	R ^L 7	25	34
527+	4	12	17	27
529+08	10	28	11	27
532+81 ⁴⁵	10	17	11	22
539+00	8	14	11	17
542+50	8	15	12	19
544+50	8	14	11	19
549+50	6	13	12	18
557+44 ¹²	6	11	12	21
571+00	10	15	11	19
572+86 ⁸⁷	6	15	12	17
576+58 ³²	12	17	8	16

UNIT 8 - EL MONTE PIPE LINE

April - -42

H.S. Gierlich

E.A. Pathman

Lt. 5.5 To $\frac{1}{2}$ M.H.

LEGEND

LP = Left Paving

LB = " Bank

RP = Right Paving

RB = " Bank

# of Sounding	WEST to EAST South to north			time
	depth			
1	-3.30	-6.30	-9.20	1.53
2	9.60	-6.30	15.90	1.55
3	18.20	-6.30	24.20	1.57
4	18.90	-6.30	25.20 ✓	1.58
5	17.70	-6.30	24.00	2.00
6	18.30	-6.30	24.60	2.01
7	17.90	-6.30	24.20	2.02
8	17.90		24.20	2.04
9	18.00	-6.30	24.30	2.05
10	17.60	6.30	23.90	2.05 30
11	12.20	6.30	18.50	2.07
12	8.60	6.30	14.90	2.08
13	3.6	6.30	9.90	2.10

EAST TO WEST

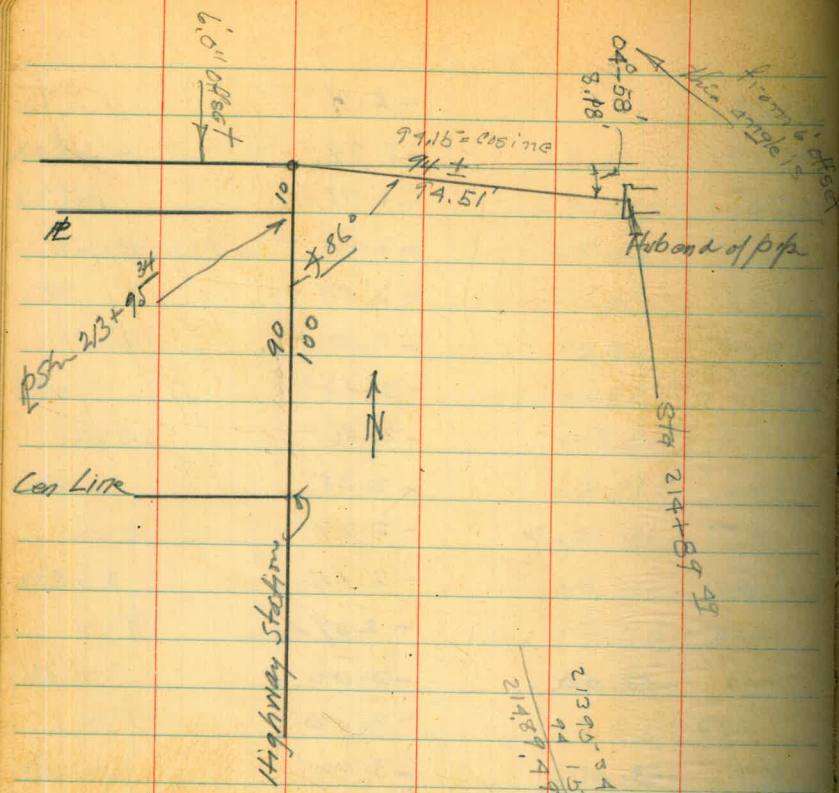
14	5.80	6.30	12.1	2.12
15	10.50	6.30	16.80	2.19
16	17.00	6.30	23.30	2.15
17	17.50	6.30	23.80	2.17
18	18.00	6.30	24.30	2.18
19	18.10	6.30	24.40	2.20
20	18.30	6.30	24.60	2.22
21	18.00		24.30	2.24
22	18.90	6.30	25.20	2.25
23	18.00		24.30	2.27
24	12.90	6.30	19.2	

EAST TO WEST

# OF SOUNDINGS	DEPTH			TIME
25	5.10	-6.30	11.40	2.29
26	2.90		9.2	2.30

157		
157+50	-3.5	-3.5
158+0		-3.25
158+50	-3.0	-3.0
159		-2.96
+50		-2.92
160		-2.88
+50		-2.85
161+0		-2.81
+50		-2.77
162+0		-2.73
+50		-2.70
163+0		-2.66
+50		-2.62
164+0		-2.58
+50		-2.54
165+0	-2.5	-2.50
+50		-3.67
166+0		-4.84
+50	-6.00	-6.00
167+0		-5.00
+50		-4.00
168+0	-3.00	-3.00
+50		-2.93
169+0		-2.86

169+0		-2.86
169+50		-2.79
170+0		-2.71
170+50		-2.64
171+0		-2.57
171+50		-2.50
172+0		-2.43
+50		-2.36
173+0		-2.28
+50		-2.21
174+0		-2.14
+50		-2.07
175+0	-2.00	-2.00
+50		-2.50
176+0	-3.00	-3.00
+50		-2.50
177+0		-2.0
+50	-1.50	-1.50
178+0		-1.54
+50		-1.58
179+0		-1.62
+50		-1.66
180+0		-1.71
+50		-1.75
181+0		-1.79



21395.54
 74
 21469.48

14224.12

2142.71

21395.54

74

21469.48

14224.12

21395.54

74

21469.48

203+88 GPX

358476.02 EC

psh 213

State B.M.

F/ey
 1.595

60.4
 81.7
 81.7
 81.8

181+0	-1.79	<
+50	-1.84	<
182+0	-1.89	<
+50	-1.92	<
183+0	-1.96	<
+50 - 2.0	-2.00	<
184+0	-3.00	<
+50 - 4.00	-4.00	<
185+0	-2.75	<
185+50 - 1.50	-1.50	<
186+0	-1.55	<
186+50	-1.61	<
187	-1.66	<
187+50	-1.72	<
188	-1.77	<
+50	-1.80	<
189+0	-1.88	<
+50	-1.94	<
190+00 - 2.00	-2.00	<

See next page for Eley of Pipeline
 Existing pipe

635
139
257

8-13-1942 Whites

Sta	B.S.	I	F.S.	Rod	Elev
		7.97	6.38		1.596 P.M.
214+89 ⁴⁹				8.80	- 0.83
	7.32	8.91			1.595
205+30 ⁵⁸				8.25	+0.66
				8.54	+ 0.37 =
190+00	-2.00				-2.00 ✓
	+50				-2.75 ✓
191+00	-3.50				-3.50 ✓
	+50				-2.50 ✓
192+00	-1.50				-1.50 ✓
192+50					-1.52 ✓
193+00					-1.54 ✓
193+50					-1.56 ✓
194+00					-1.58 ✓
	+50				-1.60 ✓
195+00					-1.62 ✓
	+50				-1.64 ✓
196+00					-1.66 ✓
	+50				-1.68 ✓
197+00					-1.70 ✓
	+50				-1.72 ✓
198+00					-1.74 ✓
	+50				-1.76 ✓
199+00					-1.78 ✓

Sta 2000 is concrete man - out sta 2031 98

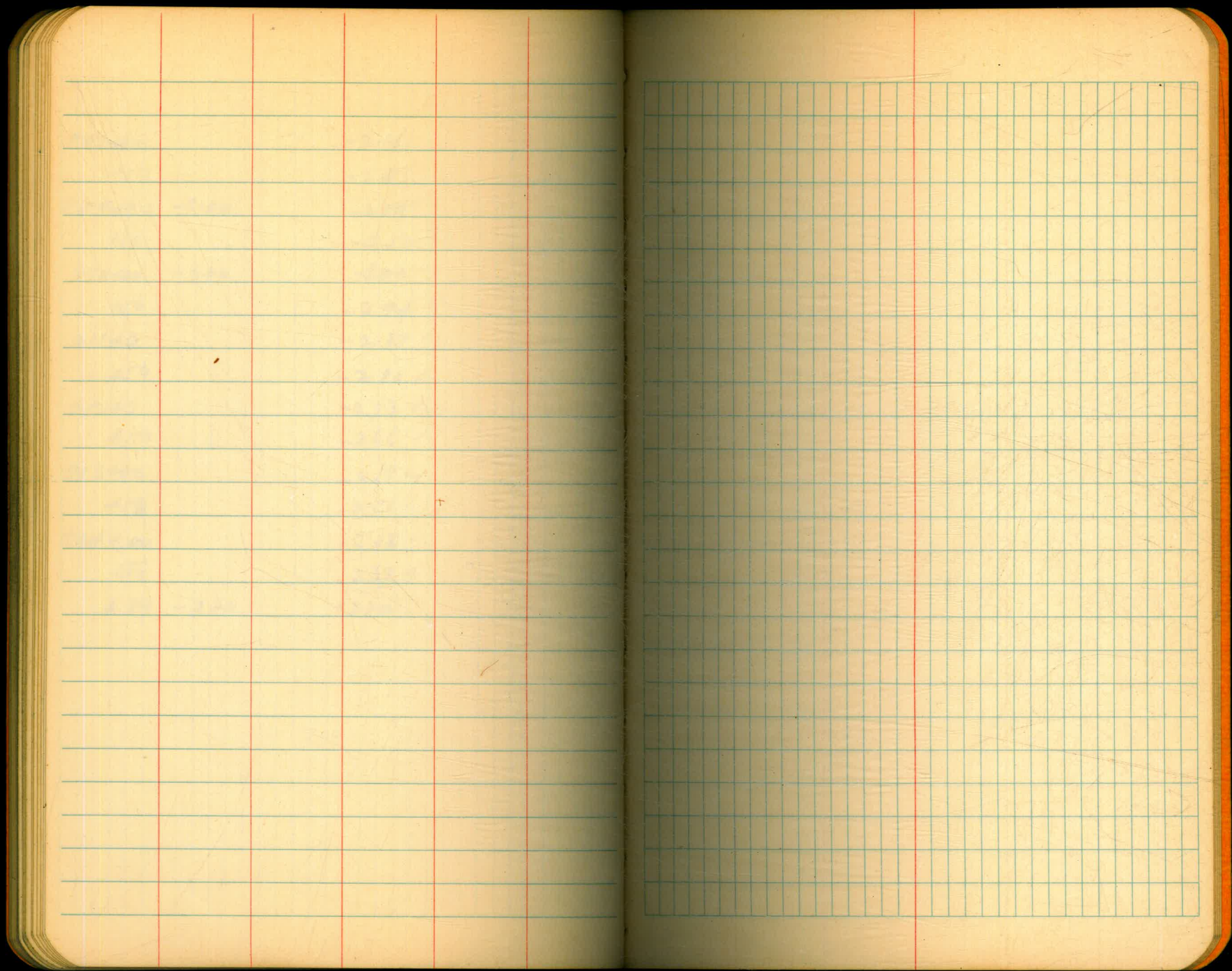
top of Existing Pipe

top of ~~X~~ Board over Electric Conduit

top of 3" fibre Duct

199+50					-1.78 ✓
	+50				-1.80 ✓
200+00					-1.82 ✓
	+50				-1.84 ✓
201+00					-1.86 ✓
	+50				-1.88 ✓
202+00					-1.90 ✓
	+50				-1.92 ✓
203+00					-1.94 ✓
	+50				-1.96 ✓
204+00					-1.98 ✓
	+50 -2.00				-2.00 ✓
205+00					-2.25 ✓
	+50 -2.50				-2.50 ✓
206+00					-2.43 ✓
	+50				-2.36 ✓
207+00					-2.29 ✓
	+50				-2.22 ✓
208+00					-2.14 ✓

208400		-2.14
+50		-2.07
209400	-2.00	-2.00
+50		-2.50
210400	-3.00	-3.00
+50		-2.94
211400		-2.87
+50		-2.80
212400		-2.73
+50		-2.66
213400		-2.58
+50		-2.51
214400		-2.42
+50		-2.37
+89	-2.30	-2.30



430 Sprinkels Bldg
Vaughn-Wood

4°-58'-00" Co

74.57' Sec $\frac{9.998366}{1.975478}$
 $\frac{1.975478}{1.975478} = 94.15$

1.975478
 $\frac{3.937398}{0.912876} = 41.82$