LEVELS

MAY 3 1930

N.C. RICHARDSON
B.A. LANE

18-1

BM1 MASONS HALL
165.67 BM2 Reservoir

STA	+	T	−	ROD	ELV.
					747.30
	5.96	753.26			
		744.89	8.37		
	2.85	747.74			
		743.76	3.98		
	2.33	746.09			
		743.61	2.48		
	15.43	759.04			
		758.69	0.35		
	15.72	774.41			
		774.37	0.04		
	10.54	784.91			
		784.71	0.20		
	14.93	799.64			
		798.23	1.41		
	15.98	814.21			
		813.07	1.14		
	15.97	829.04			
		829.04	0.00		
	15.93	844.97			
		844.97	0.00		
	12.51	857.48			
		857.48	0.00		
	128.15		17.97		

CANYONVILLE

USGS BM — SW COR MASONS MAN

747.30

767.00 MARKED ON BM

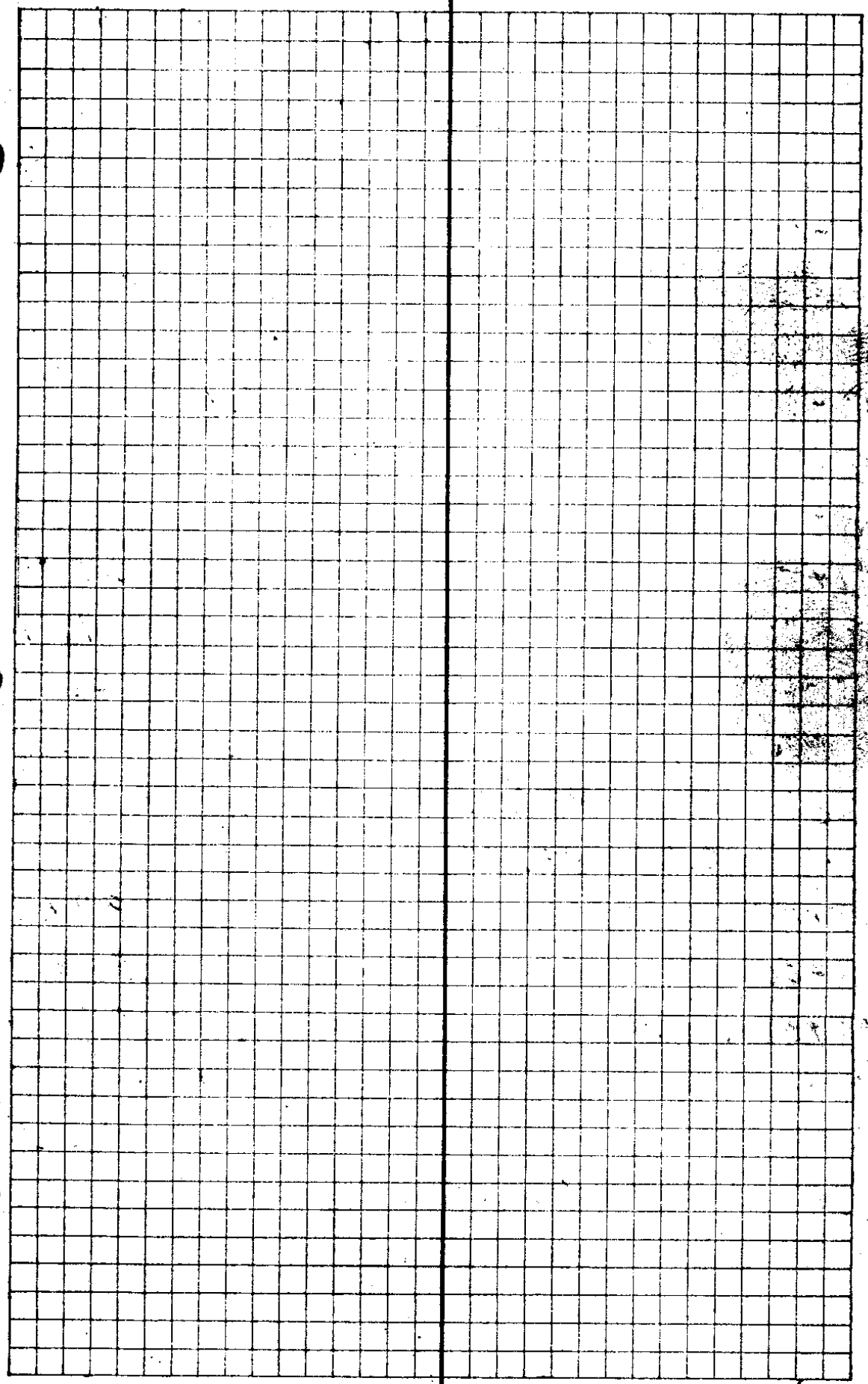
18/1

Sta	+	ℋ	−	ROD	ELV.
		857.48			
	13.11	870.59			
		870.59	0.00		
	14.54	885.13			
		884.42	0.71		
	13.01	897.43			
		896.66	0.77		
	16.46	913.12			
BM*1				0.15	912.97
0+00				12.69	900.43
0+50				14.40	898.72
		898.74	14.38		
	4.73	903.47			
1+00				12.00	891.47
1+50				13.60	889.87
2+00				21.40	882.07
2+12				26.40	877.07
2+50				9.20	894.27
3+00				3.20	900.27
3+17				2.90	900.57
3+50				3.60	899.87
4+00				13.40	890.07
4+25				16.45	887.02
	61.85		15.86		

B.M. #1 ON WHITE OAK.
30' TO RIGHT STA 0+50

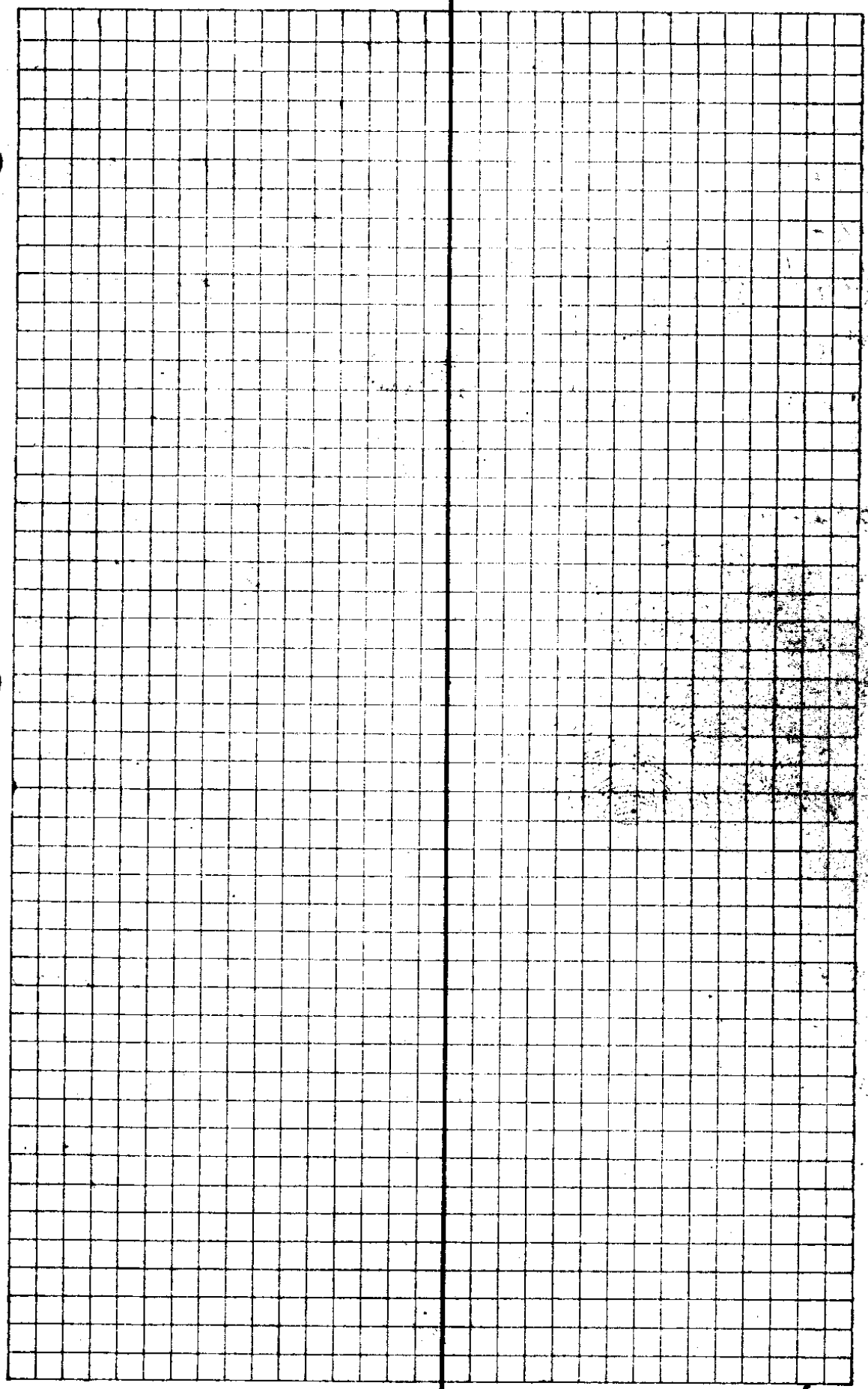
STA	+	℄	−	ROD	ELV.
		903.47			
4+50				14.30	889.17
⊙		889.20	14.27		
	5.56	894.76			
5+00				9.30	885.46
5+50				15.60	879.16
6+00				21.00	873.76
6+50				18.30	876.46
7+00				16.50	878.26
7+50				14.40	880.36
8+00				22.50	872.26
8+50				23.90	870.86
9+00				9.90	884.86
9+50				0.30	894.46
⊙		894.49	0.27		
	6.39	900.88			
10+00				3.10	897.78
10+50				5.10	895.78
11+00				14.80	886.08
⊙		886.06	14.82		
	2.00	888.06			
11+10.3				4.50	883.56
11+50				14.55	873.51
	13.95		29.36		

STA	+	⊼	−	ROD	ELV
		888.06			
⊙		873.51	14.55		
	0.98	874.49			
12+00				?	?
⊙		861.70	12.79		848.91
	0.29	861.99			
12+50				10.00	851.99
12+92				14.20	847.79
13+50				17.10	844.89
14+00				23.40	838.59
14+15				27.20	834.79
14+50				20.50	841.49
15+00				17.50	844.49
⊙		847.49	14.50		
	3.57	851.06			
15+50				4.90	846.16
16+00				3.70	847.36
16+50				5.70	845.36
17+00				9.10	841.96
⊙		841.91	9.15		
	8.88	850.79			
17+50				12.50	838.29
18+00				13.10	837.69
	13.72		50.99		



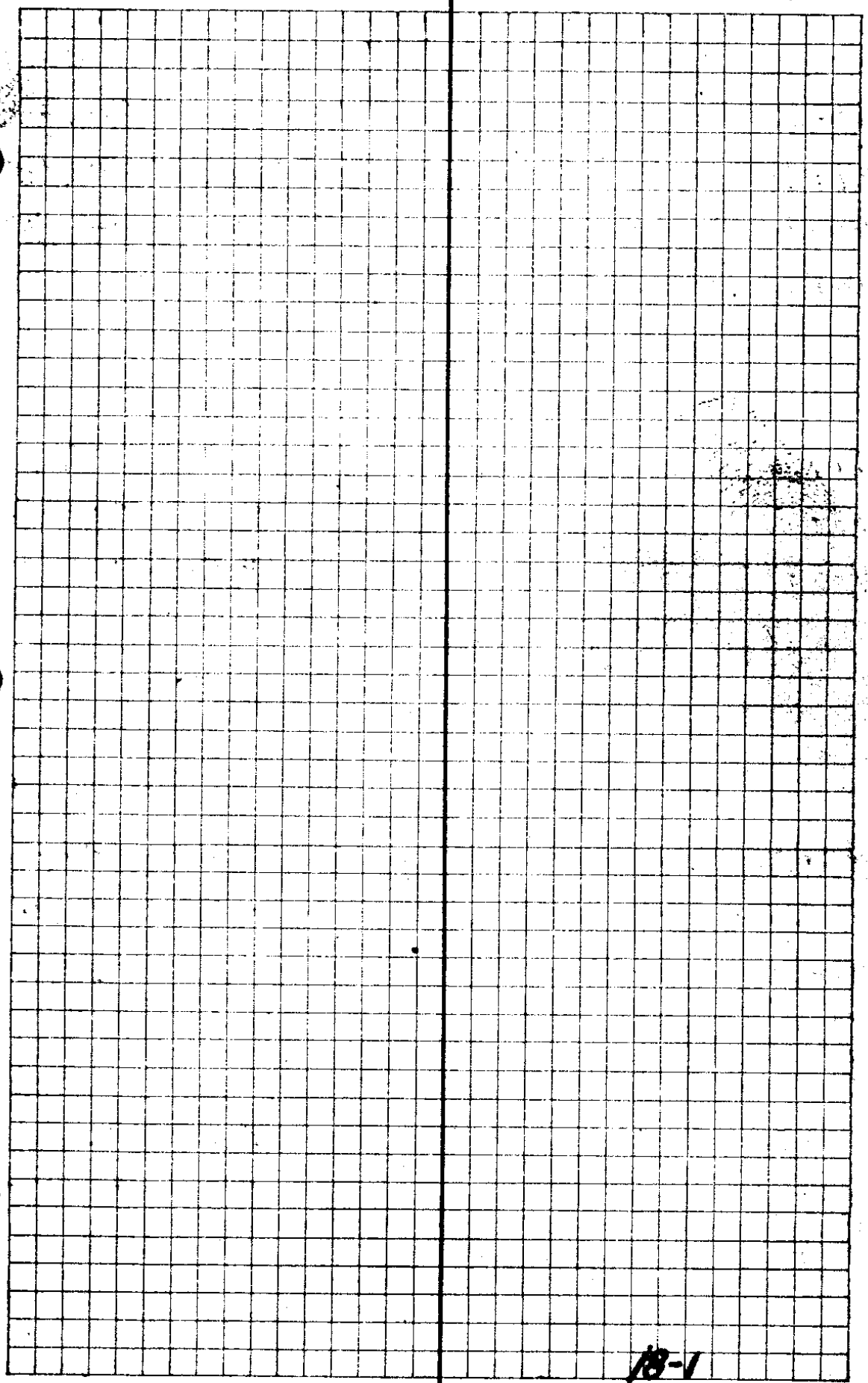
STA	+	℄	−	ROD	ELV.
		850.79			
18+46				12.80	837.99
19+00				9.80	840.99
19+50				5.20	845.59
20+00				3.70	847.09
20+50				3.90	846.89
⊙		846.91	3.88		
	8.80	855.71			
21+00				8.80	846.91
21+50				12.80	842.91
22+00				15.50	840.21
22+50				20.80	834.91
⊙		840.56	15.15		
	2.32	842.88			
22+73				8.65	834.23
23+00				9.15	833.73
23+56				9.55	833.33
24+00				12.40	830.48
24+50				17.60	825.28
⊙		826.39	16.49		
	0.82	827.21			
25+00				5.90	821.31
	11.94		35.52		

STA	+	℄	−	RAD	ELV.
		827.21			
25+50				9.75	817.46
26+00				12.40	814.81
26+50				15.20	812.01
27+00				14.80	812.41
⊙		812.46	14.75		
	0.95	813.41			
27+50				3.20	810.21
28+00				5.20	808.21
28+50				8.40	805.01
29+00				11.10	802.31
29+50				7.35	806.06
30+00				4.30	809.11
⊙		809.13	4.28		
	5.50	814.63			
30+50				4.50	810.13
31+00				4.50	810.13
31+50				9.10	805.53
⊙		804.13	10.50		
	3.23	807.36			
32+00 ✓				5.20	802.16
32+50				5.50	801.86
	9.68		29.53		



18/1

STA	+	℄	-	ROD	ELV
		807.36			
33+00				5.10	802.26
33+50				4.50	802.86
34+00				3.80	803.56
34+50				3.20	804.16
⊙		804.18	3.18		
	6.20	810.38			
35+00				5.30	805.08
35+50				4.50	805.88
36+00				3.50	806.88
36+50				2.70	807.68
37+00				2.50	807.88
⊙		808.02	2.36		
	4.87	812.89			
37+50				3.90	808.99
38+00				4.90	807.99
38+50				5.20	807.69
39+00				5.60	807.29
39+50				5.00	807.89
40+00				3.60	809.29
40+50				2.20	810.69
⊙		810.65	2.24		
	7.88	818.53			
	18.95		7.78		



STA	+	⊼	−	ROD	ELV
		818.53			
41+00				7.60	810.93
41+50				6.10	812.43
42+00				4.00	814.53
⊙		817.28	1.25		
	6.27	823.55			
42+43				6.55	817.00
42+97				4.30	819.25
43+50				4.20	819.35
44+00				4.50	819.05
⊙		819.76	3.79		
	5.50	825.26			
44+50				5.80	819.46
45+00				5.20	820.06
45+50				3.90	821.36
45+74				3.30	821.96
46+00				1.30	823.96
⊙		825.10	0.16		
	7.68	832.78			
46+50				6.70	826.08
47+00				4.50	828.28
47+50				3.70	829.08
48+00				3.60	829.18
	19.45		5.20		

45+74 ON GROUND

18-1

STA	+	±	-	ROD	ELV.
		832.76			
		(O.K) HERE			
⊙		831.83	0.93		
	7.28	839.13			
48+49				7.70	831.43
49+00				5.50	833.63
49+50				1.90	837.23
⊙		838.66	0.47		
	7.88	846.54			
50+00				5.60	840.94
50+50				1.80	844.74
⊙		846.09	0.45		
	9.29	855.38			
51+00				7.30	848.08
51+50				3.40	851.98
52+00				2.50	852.88
52+50				4.60	850.78
52+70				12.60	842.78
53+00				3.90	851.48
53+11				4.20	851.18
53+30				18.70	836.68
53+50				6.50	848.88
54+00				8.90	846.48
⊙		846.50	8.88		
	2.36	848.86			

T.P. ON Cedar 2" Left Of Sta 48+00

53+30 Deep Draw

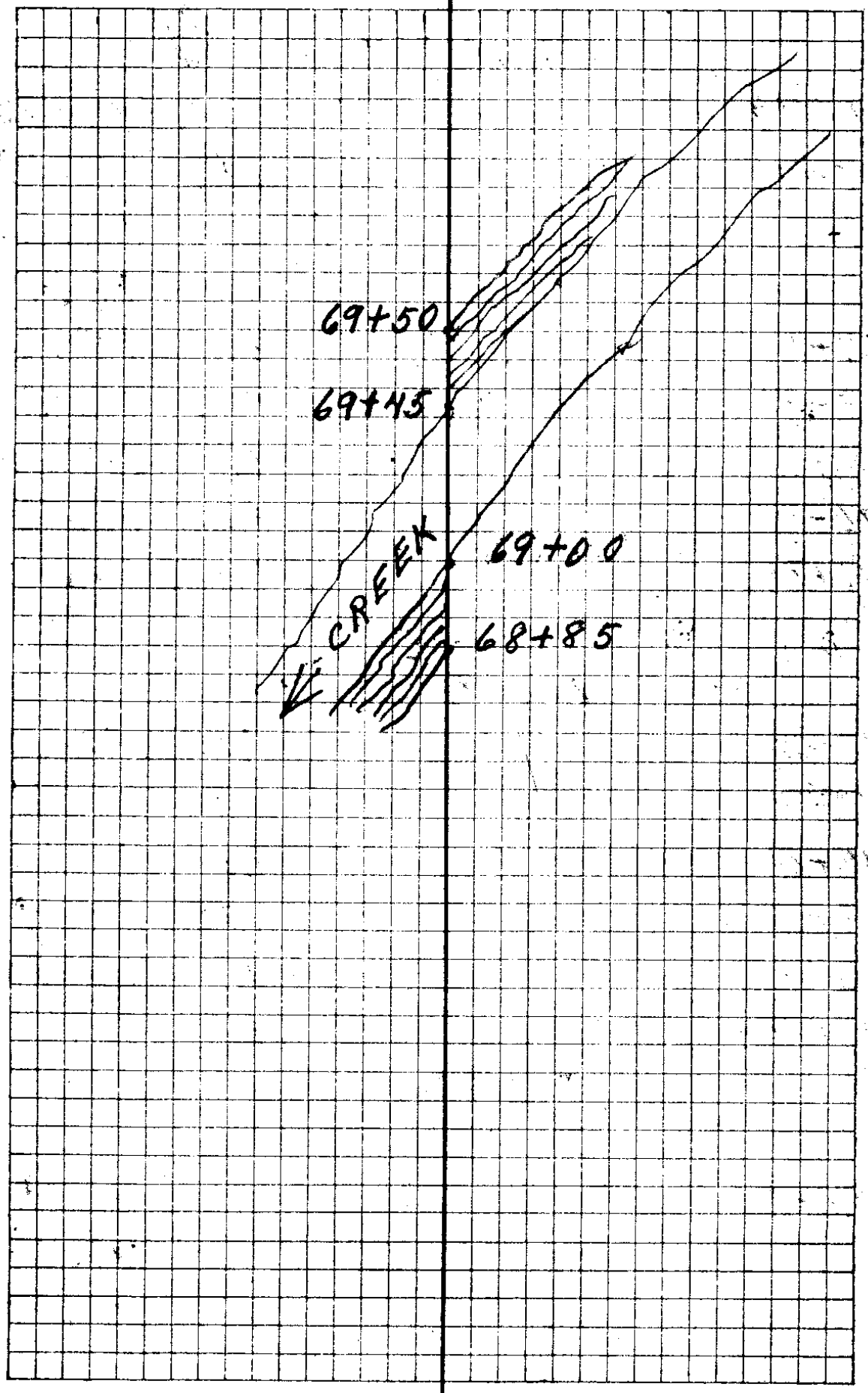
STA	+	⊼	−	ROD	ELV
		848.86			
54+50				4.90	843.96
55+00				5.50	843.36
55+51				3.20	845.66
56+00				1.90	846.96
⊙		847.17	1.69		
	7.32	854.49			
56+50				5.70	848.79
57+00				5.30	849.19
57+50				6.60	847.89
58+00				7.50	846.99
58+50				4.90	849.59
⊙		854.24	0.25		
	9.40	863.64			
59+00				4.20	859.44
59+50				2.70	860.94
59+60				3.00	860.64
59+80				16.60	847.04
⊙		851.43	12.21		
	4.94	856.37			
60+00				9.30	847.07
60+50				6.90	849.47
61+00				7.10	849.27

12?
4.6

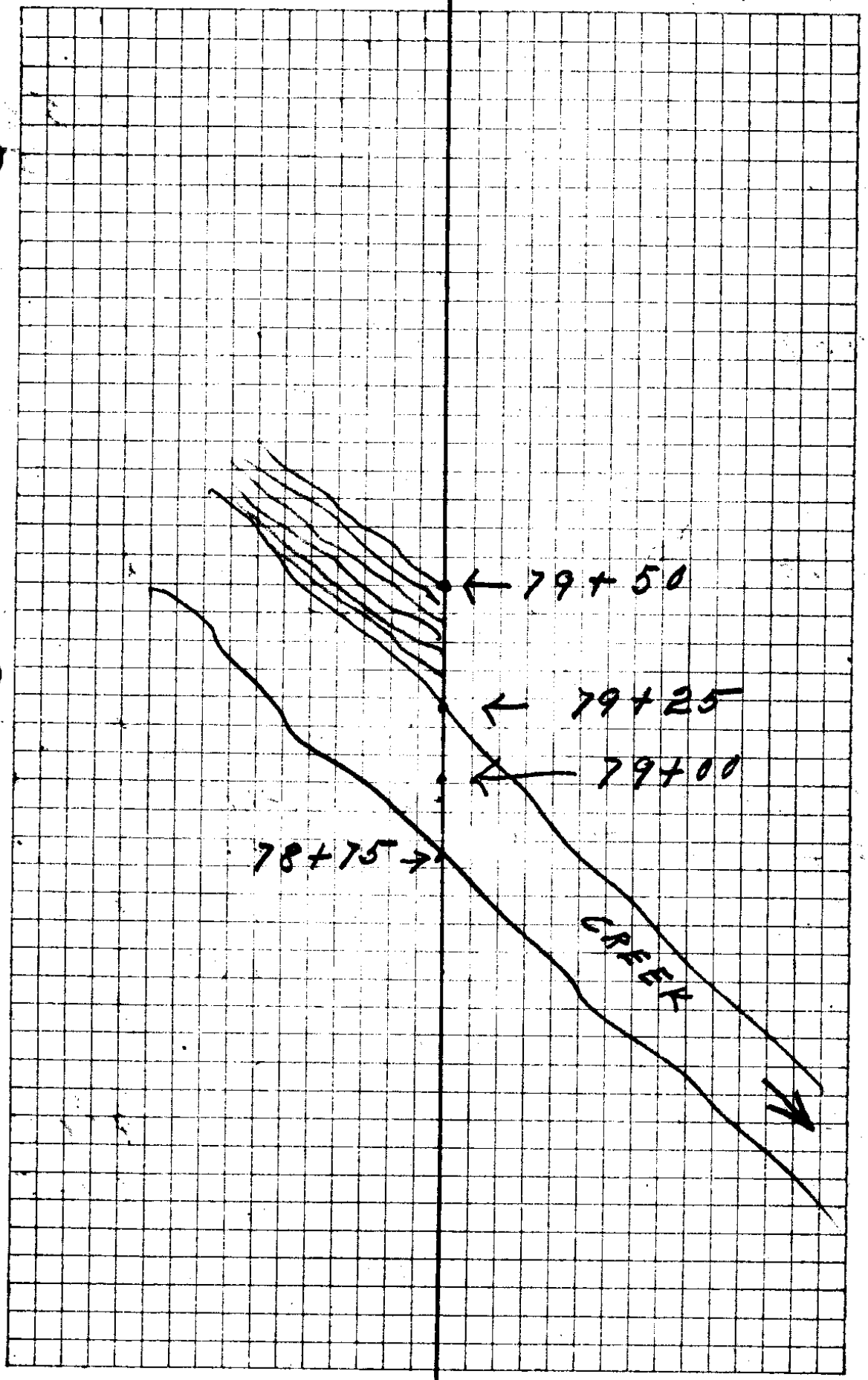
C. & Elc No. 181

STA	+	↑	−	ROD	ELV.
		856.37			
61+45				3.70	852.67
⊙		852.71	3.66		
	6.79	859.50			
61+98				5.50	854.00
62+50				4.40	855.10
63+00				3.80	855.70
63+33				2.70	856.80
⊙		856.75	2.75		
	8.22	864.97			
63+50				8.00	856.97
64+00				7.20	857.77
64+50				5.00	859.97
65+00				4.00	860.97
65+50				2.90	862.07
⊙		862.06	2.91		
	8.08	870.14			
66+00				6.40	863.74
66+50				5.10	865.04
66+93				4.30	865.84
67+50				2.50	867.64
⊙		868.96	1.18		
	4.76	873.72			

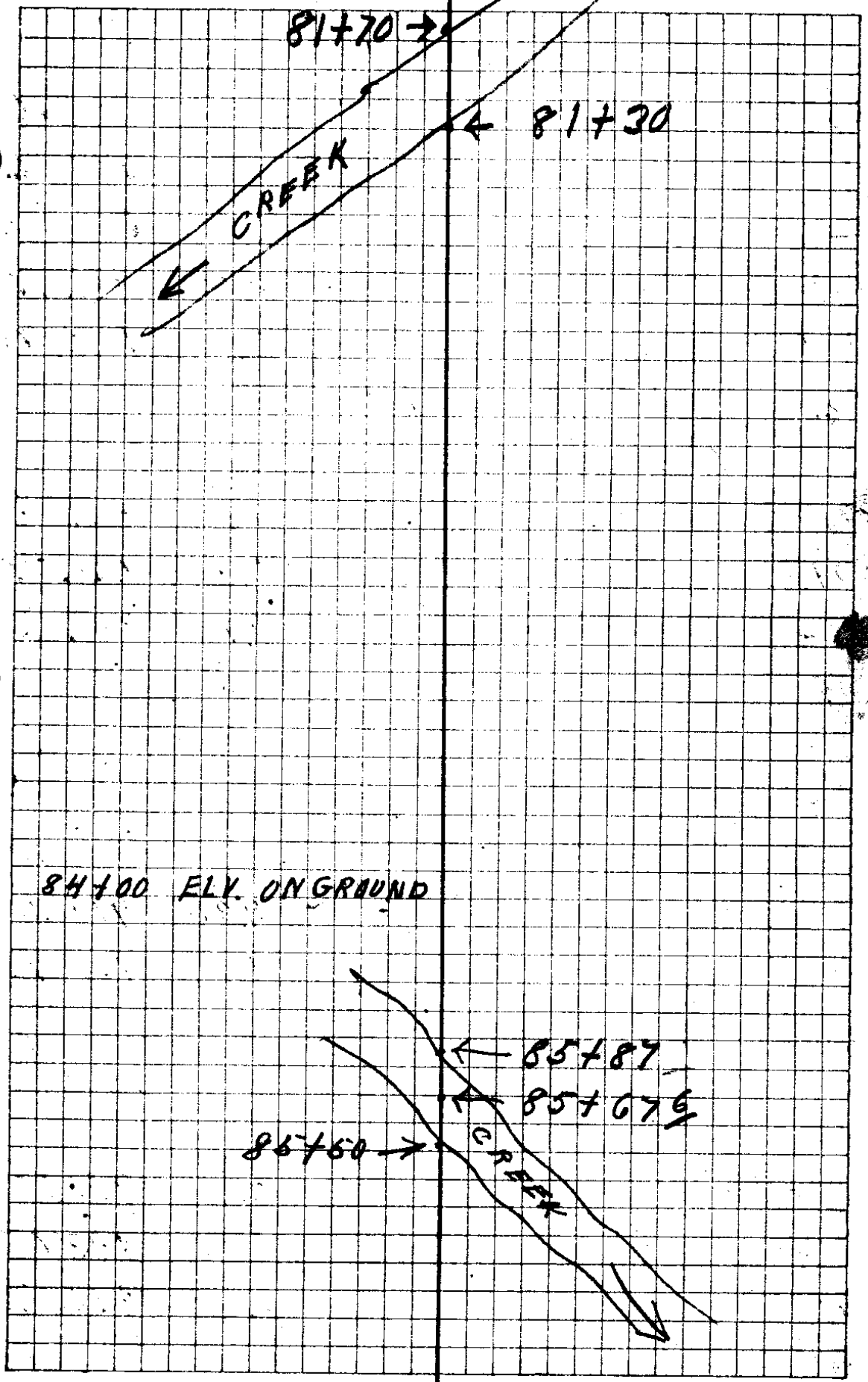
STA	+	⏊	−	ROD	ELEV.
		872.72			
67+77				5.40	868.32
68+27				4.40	869.32
68+77				5.10	868.62
68+85				6.10	867.62
69+00				10.50	863.22
69+45				9.10	864.62
69+50				6.10	867.62
70+00				3.50	870.22
70+50				0.60	873.12
⊙		873.11	0.61		
	10.94	884.05			
71+00				9.50	874.55
71+50				7.70	876.35
72+00				4.30	879.75
72+50				4.70	879.35
73+00				4.10	879.95
~~73+43~~				~~3.40~~	
⊙		880.68	3.37		
	7.27	887.95			
73+50				4.50	883.45
74+00				2.00	885.95
74+50				3.00	884.95


69+50
69+45
CREEK
69+00
68+85

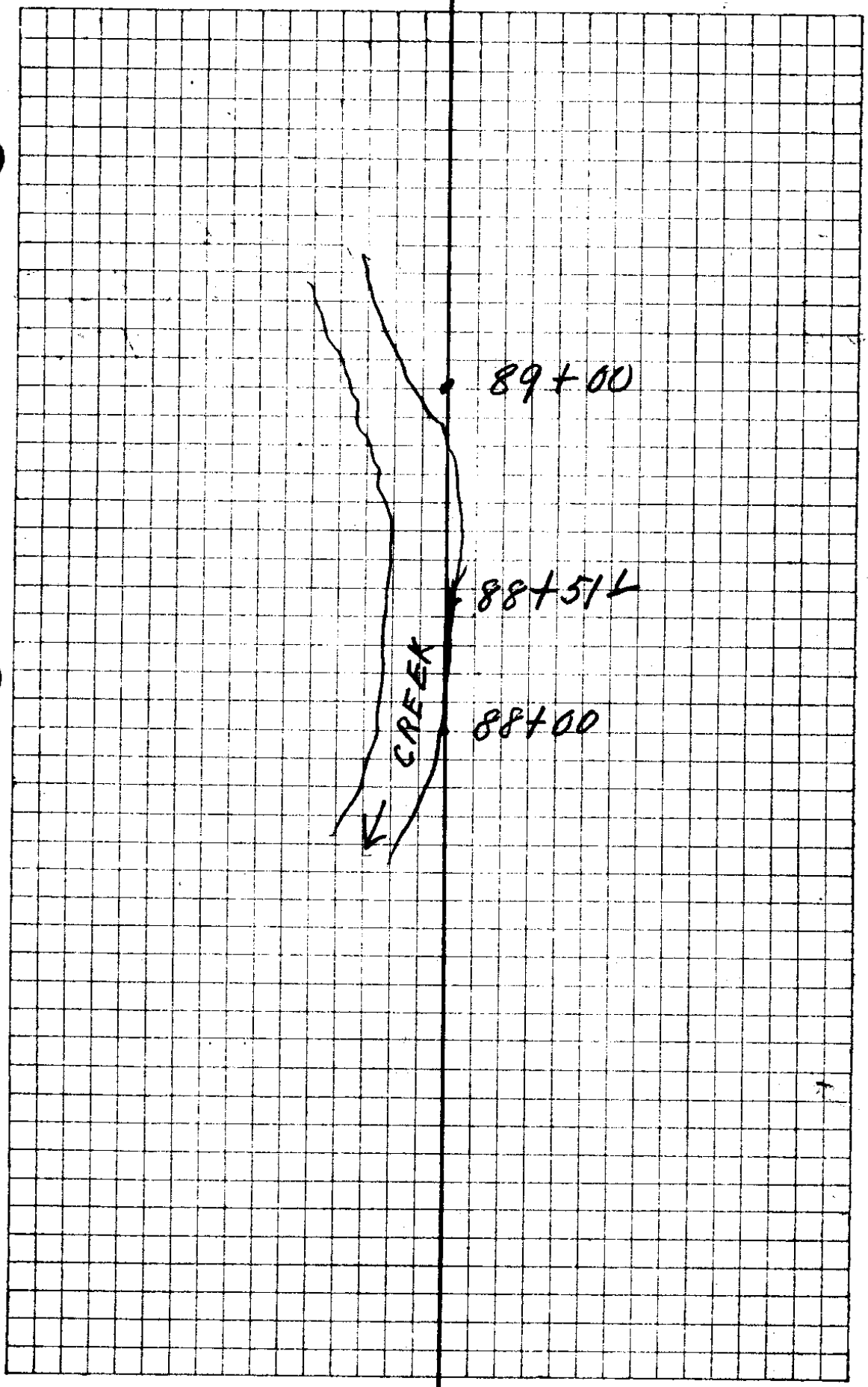
STA	+	℄	−	ROD	ELEV.
		887.95			
74+69				2.10	885.85
75+00				2.20	885.75
⊙		885.48	2.47		
	6.50	891.98			
75+50				3.90	888.08
75+84				5.20	886.78
76+00				5.10	886.88
76+50				4.70	887.28
77+00				3.00	888.98
⊙		888.95	3.03		
	8.04	896.99			
77+50				5.90	891.09
77+82				4.80	892.19
78+00				4.30	892.69
78+50				4.50	892.49
78+75				11.70	885.29
79+00				11.80	885.19
79+25				10.90	886.09
79+50				6.60	890.39
80+00				0.80	896.19
⊙		896.19	0.80		
	8.27	904.46			


79+50
79+25
79+00
78+75
CREEK

STA	+	HI	−	ROD	ELV.
		904.46			
80+39				6.30	898.16
80+74				4.00	900.46
81+00				5.40	899.06
81+30				9.40	895.06
81+77				4.70	899.76
⊙		899.72	4.74		
	9.70	909.42			
82+00				6.00	903.42
82+50				4.30	905.12
83+00				1.80	907.62
⊙		907.67	1.81		
	9.20	916.81			
83+37				4.70	912.11
83+50				5.10	911.71
84+00				4.20	912.61
84+50				4.80	912.01
⊙		911.99	4.82		
	2.44	914.43			
85+00				5.30	909.13
85+50				7.20	907.23
85+67				7.40	907.03
86+00				2.00	912.43


81+20
81+30
CREEK
84+00 ELV. ON GROUND
85+87
85+67.5
86+60
CREEK

STA	+	℄	−	ROD	ELV.
		914.31	0.12		
⊙					
	7.35	921.66			
~~86+319~~				~~5.50~~	
86+50				4.70	916.96
86+97				3.30	918.36
		921.07	0.59		
⊙					
	6.08	927.15			
87+50				4.30	922.85
87+85				3.40	923.75
88+00				8.70	918.45
88+51				10.50	916.65
89+00				6.70	920.45
		920.46	6.69		
⊙					
	12.87	933.33			
89+50				8.90	924.43
90+00				5.20	928.13
90+50				2.30	931.03
		931.93	1.40		
⊙					
	6.99	938.92			
90+80				5.80	933.12
91+00				5.00	933.92
91+50				2.60	936.32


89+00
88+51 L
CREEK
88+00

STA	+	π	−	ROD	ELV.
		938.92			
92+00℄				5.70	933.22
92+50				7.90	931.02
93+00				6.80	932.12
93+27℄				5.20	933.72
B.M.				4.17	934.75

B.M. ON 8 INCH. ALDER

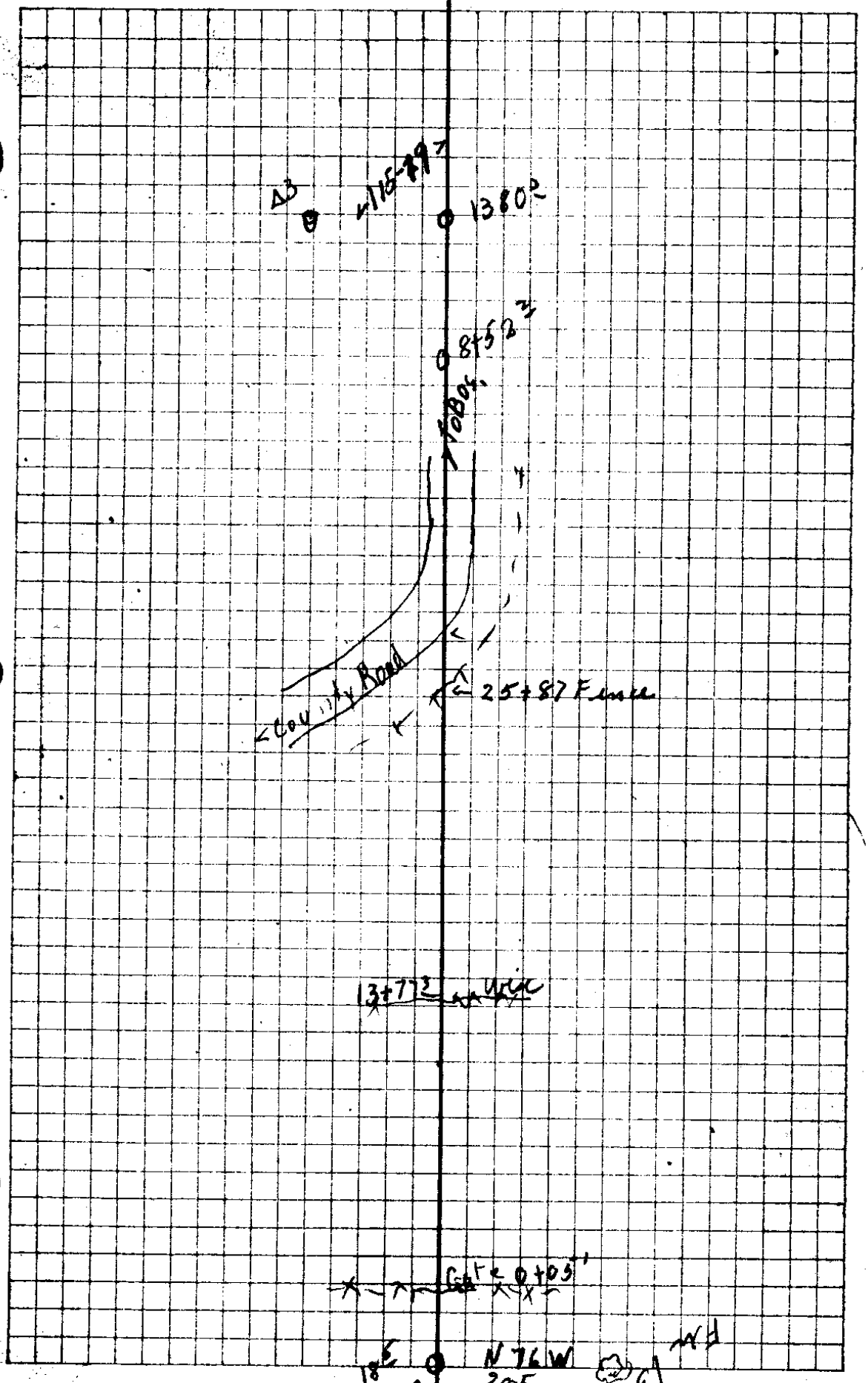
16 FEET TO RIGHT STA 92+75

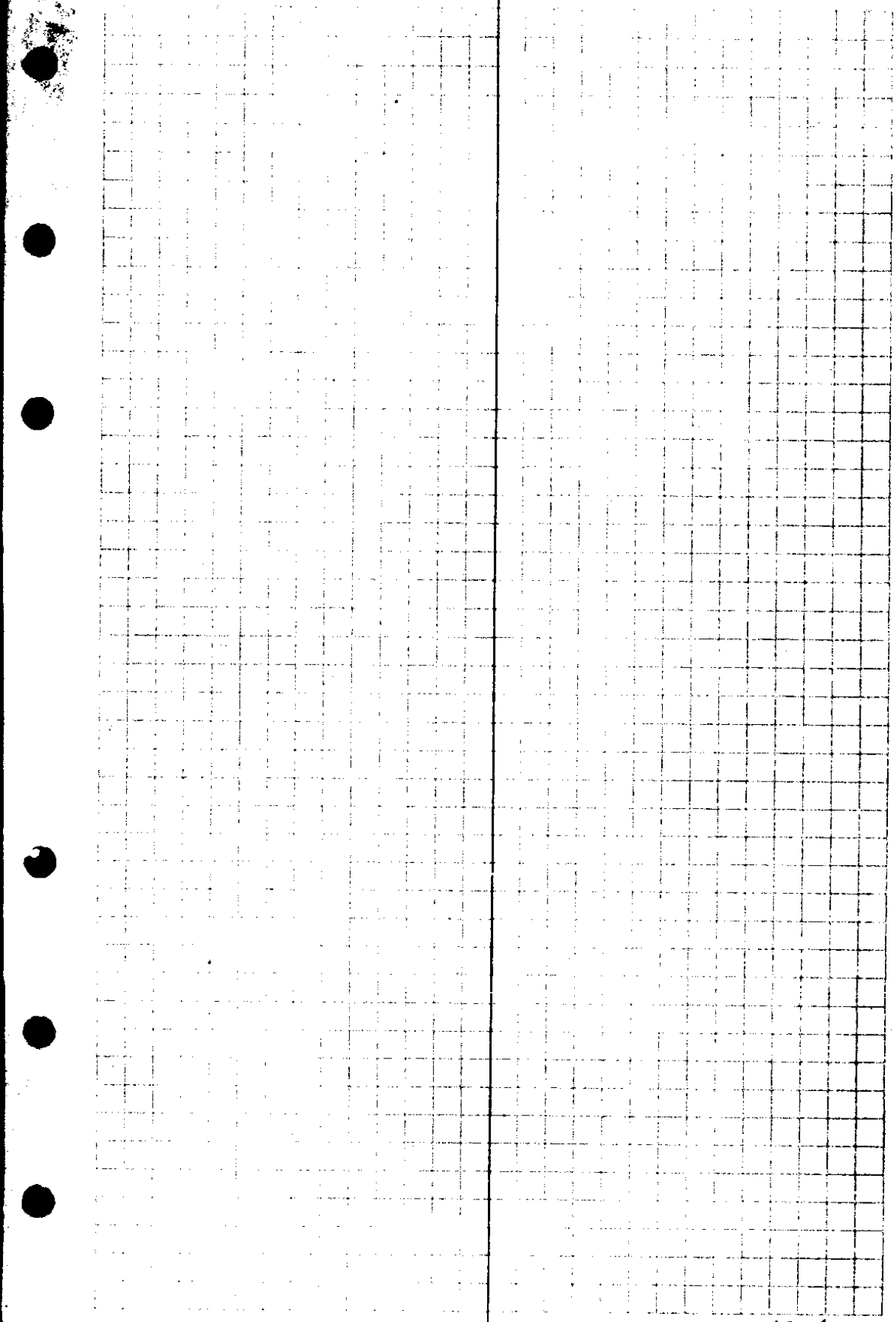
832.78
106.14
938.92 & K

+171.97
65.83
106.14

Mc Clintock Gateway Road.

Sta 13+80					
Δ3	57	3-45 L		N 86 30 W	S 87-02 E
20-30 100	100	1°-20 L		N 83 W	S 83-17 E
Δ2					
27°-30 100	387		47°-01	N 81-30 W	S 81-57 E
Δ1					
	119			S 51-30 W	N 51-02 E
Curve 22/15					
		**			
26+00 End.					
			44-06 R	N 84-00 W	N 84-55 W
25+17					
			18°-09 R	S 52 W	S 51-04 W
24+30					
	720	2-53 L		S 33-30 W	S 32-55 W
17+10	in road				
			7-31 R	S 36 W	S 35-48
13+80	528				
	POT				
9+00					
			19-47 R	S 28-30 W	S 28-17 W
8+52					
	772		0-32 R	S 8°-30 W	S 8-30 W
5+29					
				S 8° W	S 8°-00' W
0+00					


1380'
8+52
Cowlitz Road
25+87 Fence
13+77
N 76 W
385
N52E
15'
18.1

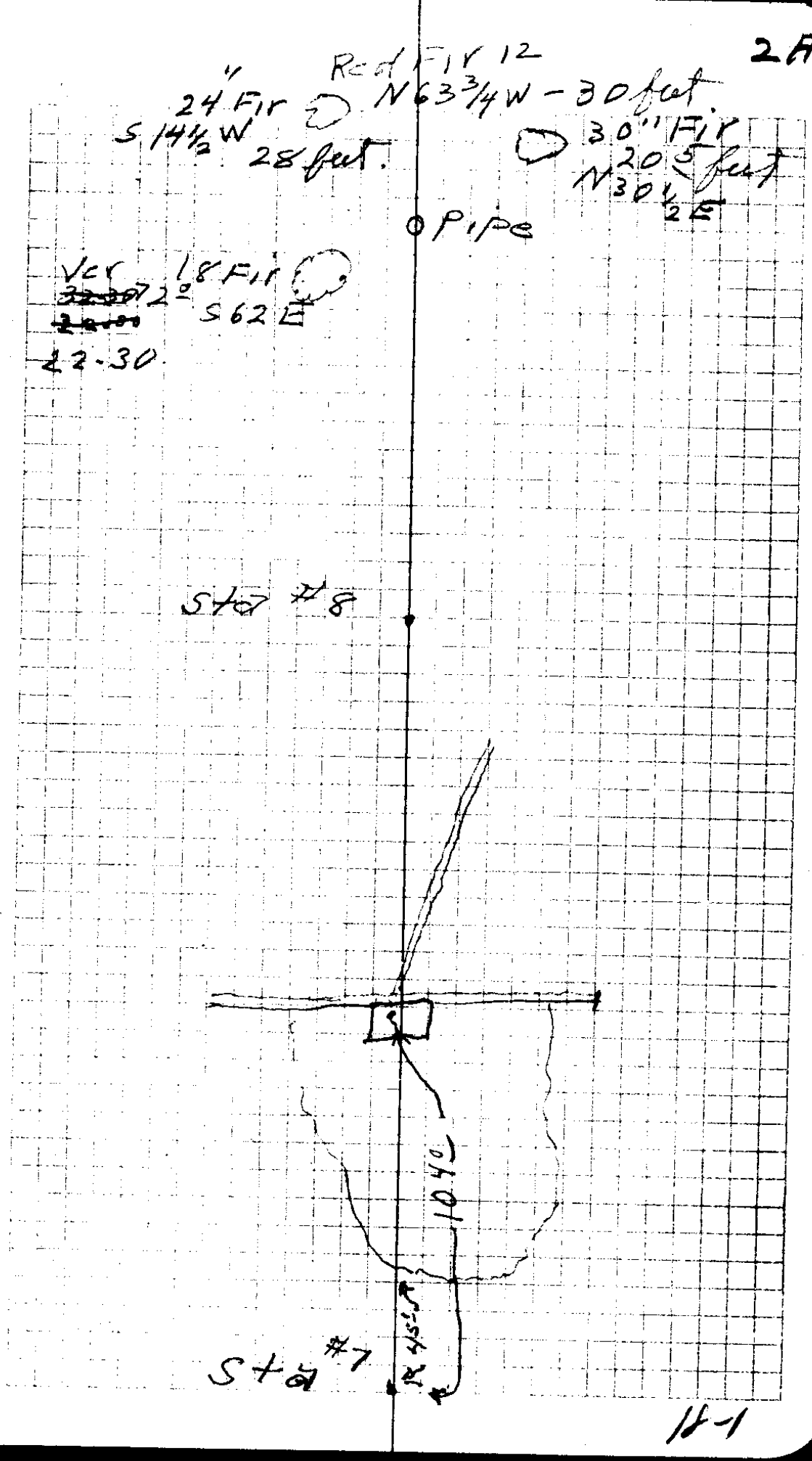


(1) A

Left Right

Canyonville Pipe Line

#10					
#9					
#8					
	156 P		21°48'	N6°W	S11-38E
#7					
	109 P		20°21'	N34°W	S33-26E
#6					
	91 P	10°58'		N39°W	S33-47E
#5					
	138 P	25°25'		N22°W	S22-49E
#4					
	96 P		14°58'	N3°E	S2-36E
#3					
	299 P		47°58'	N11½W	S12-22E
#2					
	175 P			N56°W	S56E
#1					


Ref Fir 12
24" Fir
N 63¾ W - 30 feet
S 14½ W
28 feet.
30" Fir
N 20 E 5 feet
N 30½ E
Pipe
Ver 18 Fir
2° S 62 E
22-30
Sta #8
10 40
Sta #7

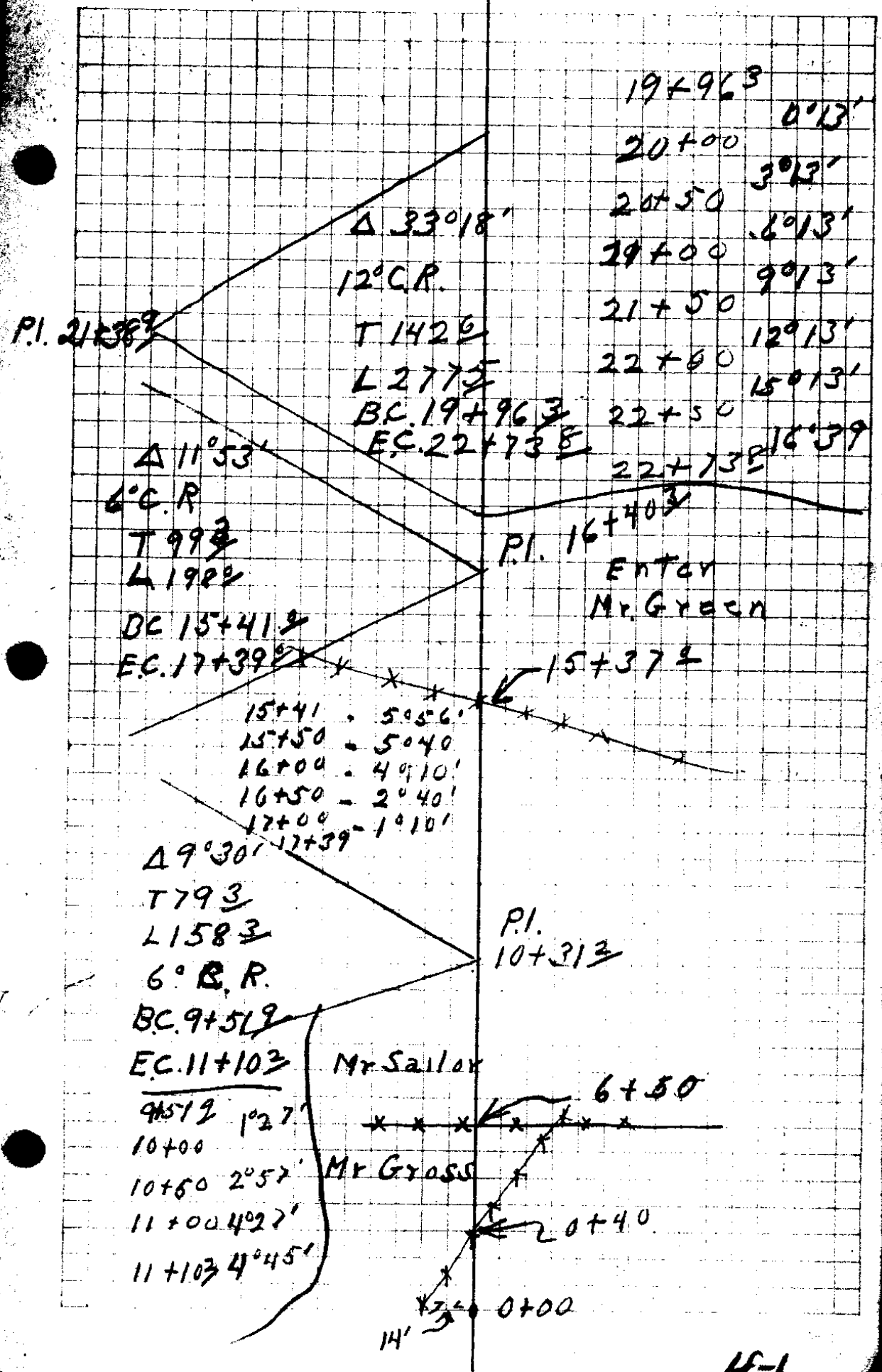
3A

Lost 9 ft S.E. Right to sta 74+00

#9	93.7				
26-45	104.9		20-47	S20W	S20-30W
E 8	134.9				
1930	143.1		13-34	south	S0-17E
#7					
	170.3	10-52		S14E	S13-51E
#6					
	95.8	2°08'		S2°E	S2-59E
#5					
	57.9 8'	573	00°58'	South	S0-51E
#4					
	151.8 90-15	1317	12°38'	S1½E	S1-49E
#3					
	28.9	11°56'		S14°E	S14-27E
#2					
	64.9	4-61	4°01'	S2°E	S2-31E
Hub #1					
	172.0				
	180.6 17-07			S1½°W	S1-30W
				~~S2°E~~	
				Tile line	

Sec cor. 26 25
35 36

STA		R	L	MC	D
		P.O.T.			
36+00					
		P.O.T.			
32+00					
		P.O.T.			
31+00					
		P.O.T.			
23+56	POT				
		33°18'		S82°30E	S83-35E
21+38	PI				
20+34		P.O.T.			
18+46		P.O.T.			
		11°53'R		N64° E	N63-07E
16+40					
12+92		P.O.T.			
		9°30'R		N52° E	N51-14E
10+31		C			
		2°14'R		N42°30E	N41-44E
3+17					
				N39°30E	N39-30E
0+00					
X					


19+96.3
0°13'
20+00
3°13'
20+50
6°13'
21+00
9°13'
21+50
12°13'
22+00
15°13'
22+50
16°39'
22+73.8
Δ 33°18'
12° C.R.
T 142.6
L 277.5
B.C. 19+96.3
E.C. 22+73.8
P.I. 21+38.9
Δ 11°53'
6° C.R
T 99.3
L 192.2
BC 15+41.2
E.C. 17+39.4
P.I. 16+40.3
Enter
Mr. Green
15+37.2
15+41 . 5°56'
15+50 - 5°40
16+00 . 4°10'
16+50 - 2°40'
17+00 - 1°10'
17+39
Δ 9°30'
T 79.3
L 158.3
6° C. R.
BC. 9+51.9
E.C. 11+10.2
P.I.
10+31.3
9+51.9 1°27'
10+00
10+50 2°57'
11+00 4°27'
11+10.2 4°45'
Mr Sailor
6+50
Mr Gross
2+40
0+00
14'

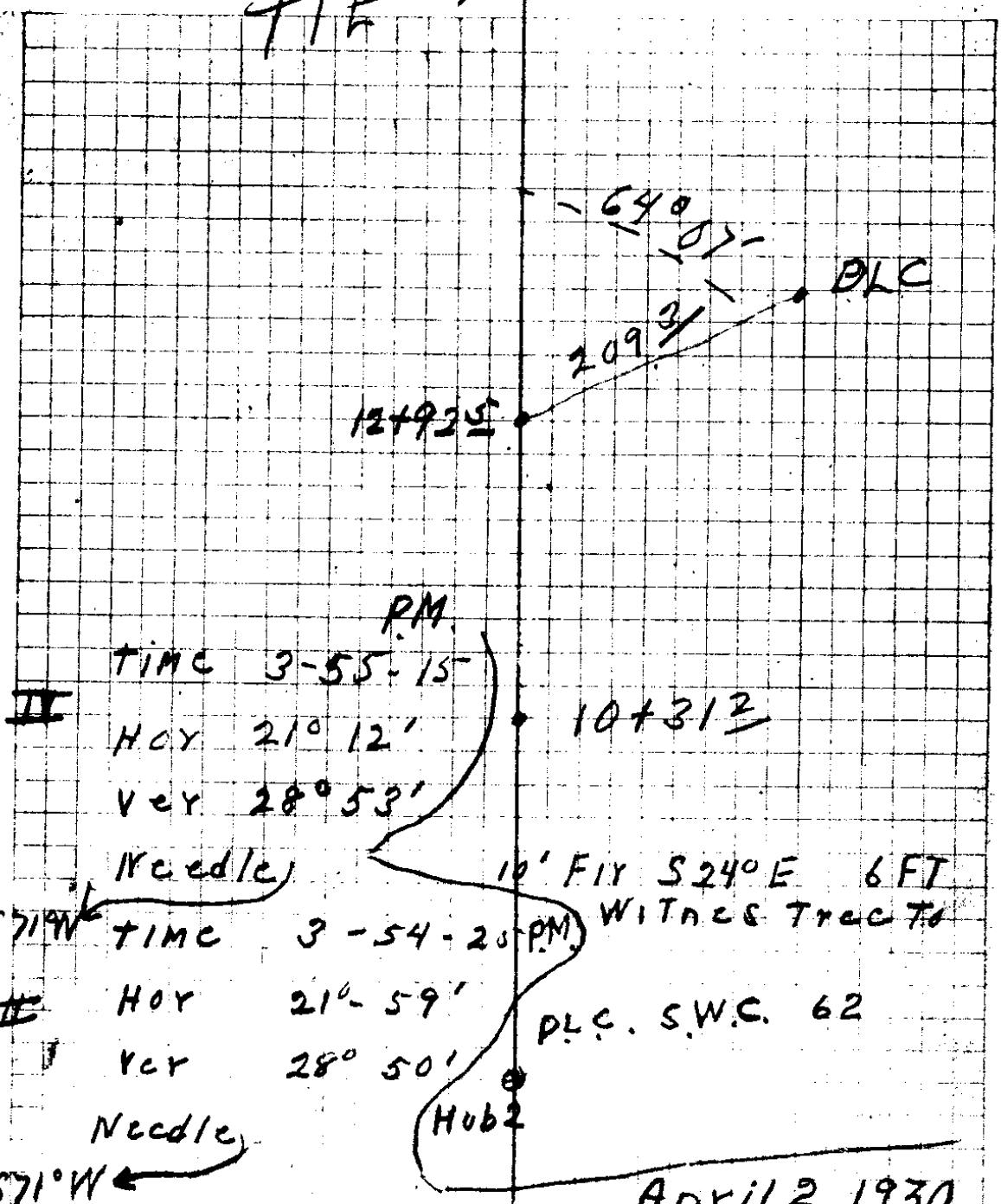
(3)

Tie Line

		R	L	MC	
~~BS.~~	on Sta 10+31.2	64°07'			
3	209.3		19°11'	N64° W	N61-39W
2	100.1 19° 41.5	137'	41°11'	N44°30W	N42-28W
1	25.4 ~~84~~ 83	105.1		N3° W	N1-19W
		24' Fir		S88° E	69.6
		18' W Oak		S77° E	26.6
½' Iron Pipe		~~28~~ 28' W Oak		S9° W	33.6
Sec. Cor		30' B. Oak		N7° W	34.8
~~2-11~~ 26-2>-34-35					

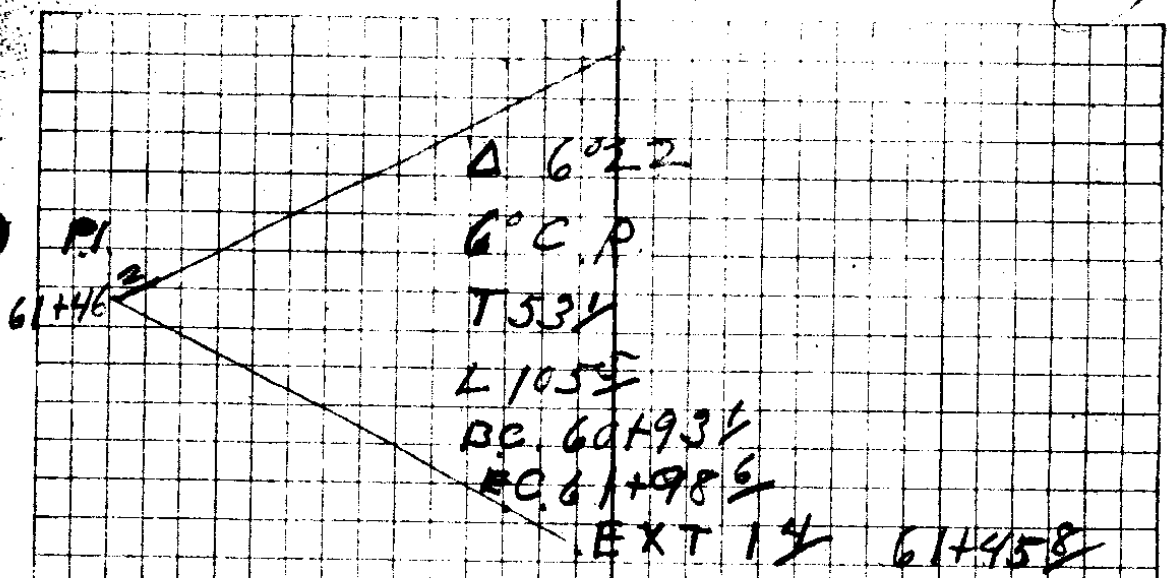
DLC 62 SW. Cor

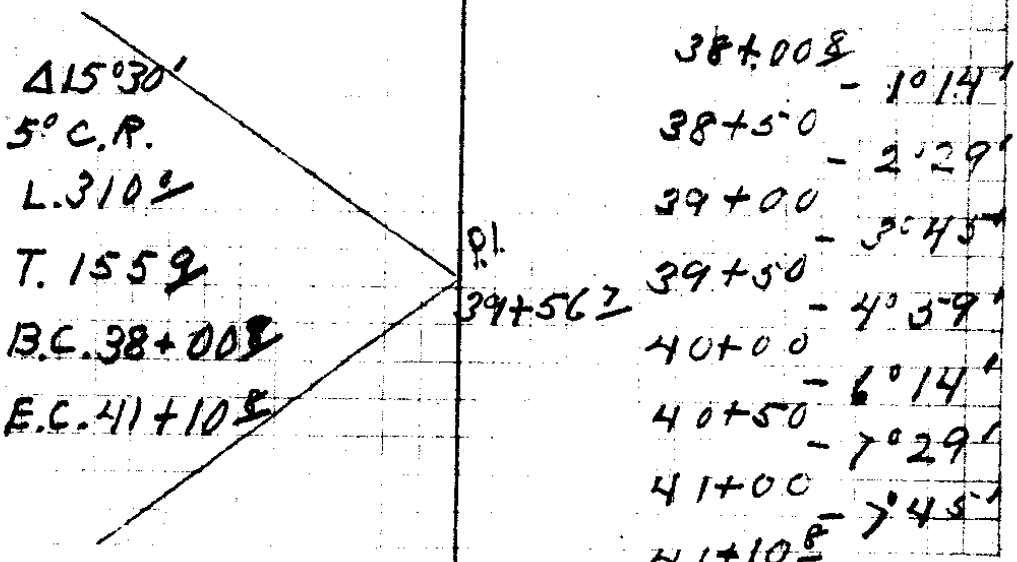
TIE LINE


64° 01'
DLC
209.3'
12+92.5
PM.
TIME 3-55-15
Hor 21° 12'
Ver 28° 53'
Needle
10+31.2
10' Fir S24°E 6 FT
WITNES TREE TO
P.L.C. S.W.C. 62
S71°W
TIME 3-54-25 PM.
Hor 21°-59'
Ver 28° 50'
Hub 2
Needle
S71°W
April 2 1930
TIME 3-52-45 PM.
Hor. 21° 45'
Ver. 29° 22'
Needle S71°W
II
TIME 3-51-30 PM
Hor. 17° 21'
Ver. 29° 12'
Needle S71°W
I

Sta.	R.	L.	M.C.	
		0°44'	S57° E	S57-23E
63+33				
	6°22'		S56° E	S56-39E
61+46				
		0°34'	S62°30'E	S63-01E
59+34				
		1°09'	S62° E	S62-27E
55+51				
	6°14'		S61° E	S61-18E
53+63				
	0°16'		S67° E	S67-32E
51+16				
		3°28'	S67° E	S67-42E
48+49				
	3°34'		S64° E	S64-14E
45+74				
		1°20'	S67° E	S67-48E
42+97				
	1°37'		S66° E	S66°-28E
42+43				
	15°30'		S67°30'E	S68-05E
39+56				
	P.O.T.			
36+00				

XI


Δ 6°22'
6° C.R.
T 534'
L 1058'
P.C. 60+93.4'
E.C. 61+98.6'
EXT 1/4 61+45.8'
P.I.
61+46.2


Δ 15°30'
5° C.R.
L. 310.2'
T. 155.2'
B.C. 38+00.8'
E.C. 41+10.8'
P.I.
39+56.2'
38+00.8
- 1°14'
38+50
- 2°29'
39+00
- 3°45'
39+50
- 4°59'
40+00
- 6°14'
40+50
- 7°29'
41+00
- 7°45'
41+10.8'

EC 68+77.8

CX 68+27.8 — S43-32E

BC 67+77.8

66+93.5 EC 4°-44'

+50 3°-39'

+00 2-24 — S47-55E

+55 1-9'

65+04.3 BC

Hub 65+99 = 11+87.4 Coin Line

∠ 2°-14

Tie

Hub 65+13.3

16.8 93-41L — S59E — S59-37E

Δ4

164.8 10-40L — S34W — S34-04W

Δ3

228.6 41-49L — S45W — S44-44W

Δ2

330.8 35-33L — S86-30W — S86-33W

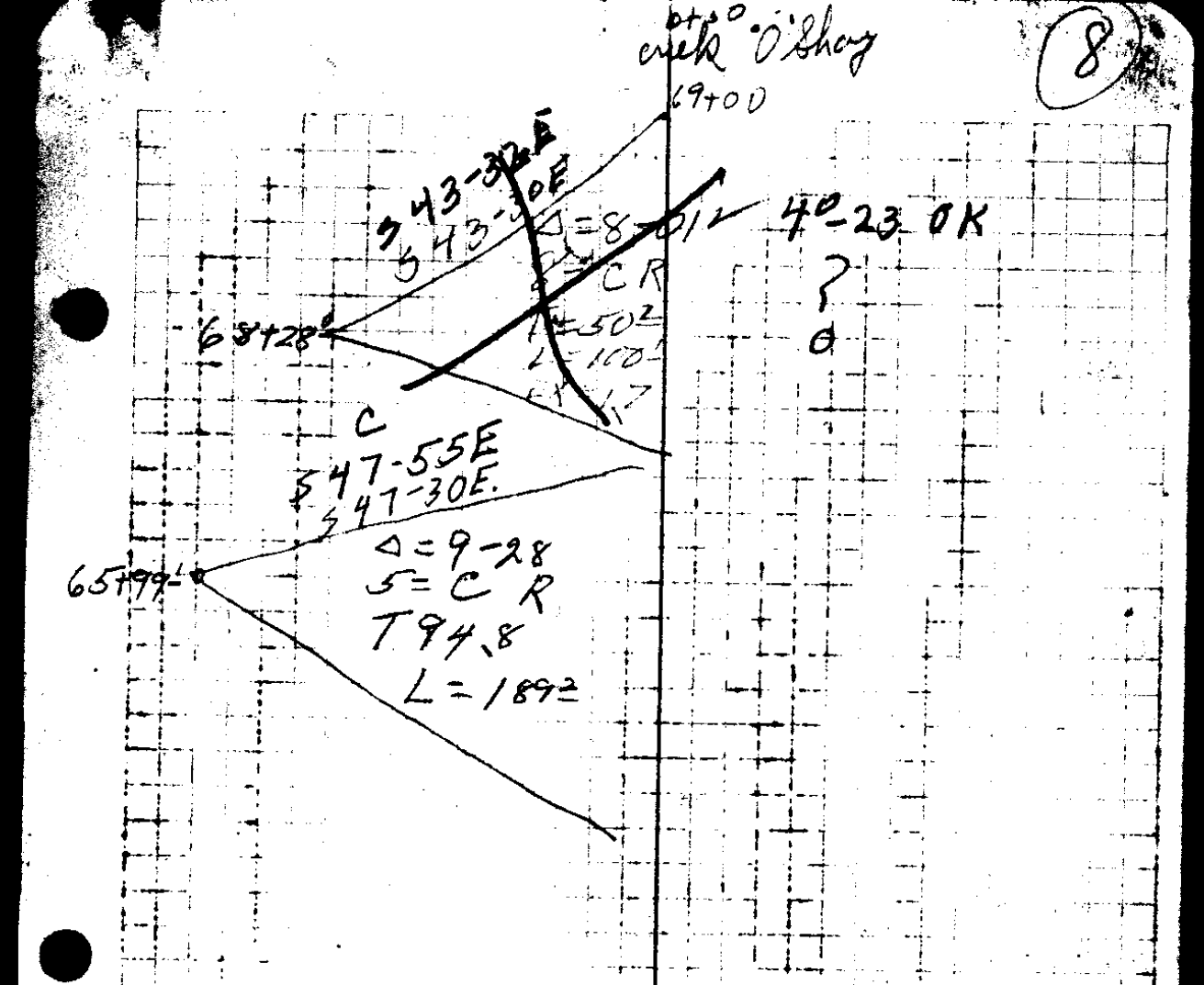
Δ1

211° 1°-01'L — N58W — N57-56W

Bdry

42° — N56W — N56-55W

End Ex


creek
69+00
8
S 43-30E
S 43-30E
Δ=8-01
4°-23 0K
?
68+28
C
S 47-55E
S 47-30E.
Δ=9-28
65+99
T 94.8
L=189=

81+77	EC L-54				
+50	5-23				
81+00	3-03				S41-04E
+50	0-33'				
BC 80+39					
81+09	PI				
80+14	POTST				
77+82		1-51 L		S55W	S54-51E
EC 75+84	10-43'				
75+50	4°-13'				S53°-00'E
75+00	6°-06'				
BC 74+62					
EC 74+32	90°-50'				
74+00	8-51'				
+50	5-51				S65-12E
73+00	2-51'				
	°-1'				
BC 72+52					
72+87	POT. S.T.				S43-32E

S41-04E
S41 E
Δ = 13-47
D = 10 R
T = 69.3
L = 137.8
81+09.2
81+00
79+00
Curb

S53-00E
S53 E
Δ 12-12
D = 10 R
T = 61.2
L = 122.0
75+23.8

S65-12E
65 E
Δ = 21-40
12 C 4
T = 94.3
L = 180.5
73+43.8
72+87.3

93+27.3 End

S7-09E

S37-12E

S53-52E

86+31.8

83+37.7

2-31R

S38-30E

S38-33E

91+42 ℄
61 ⁵
90+80 6

S7-09E
S7-30E
Δ 30-03
D = 25 R
T = 61 ⁵
L = 120 ²

91+42 ℄

91+07 ℄ 3,T

EC 91+00 ⁸
1502
91+50 8-41
91+00 2-20
BC = 90+80 ℄

E,C, 88+36 ¹
8°18'

S37-12E
S37-30E
Δ = 16-36
D = 12°R
T = 69 ⁶
L = 138 ³

87+67 ¼

88+00
87+50 4-8
87+00 3-01
BC = 86+97 ⁸

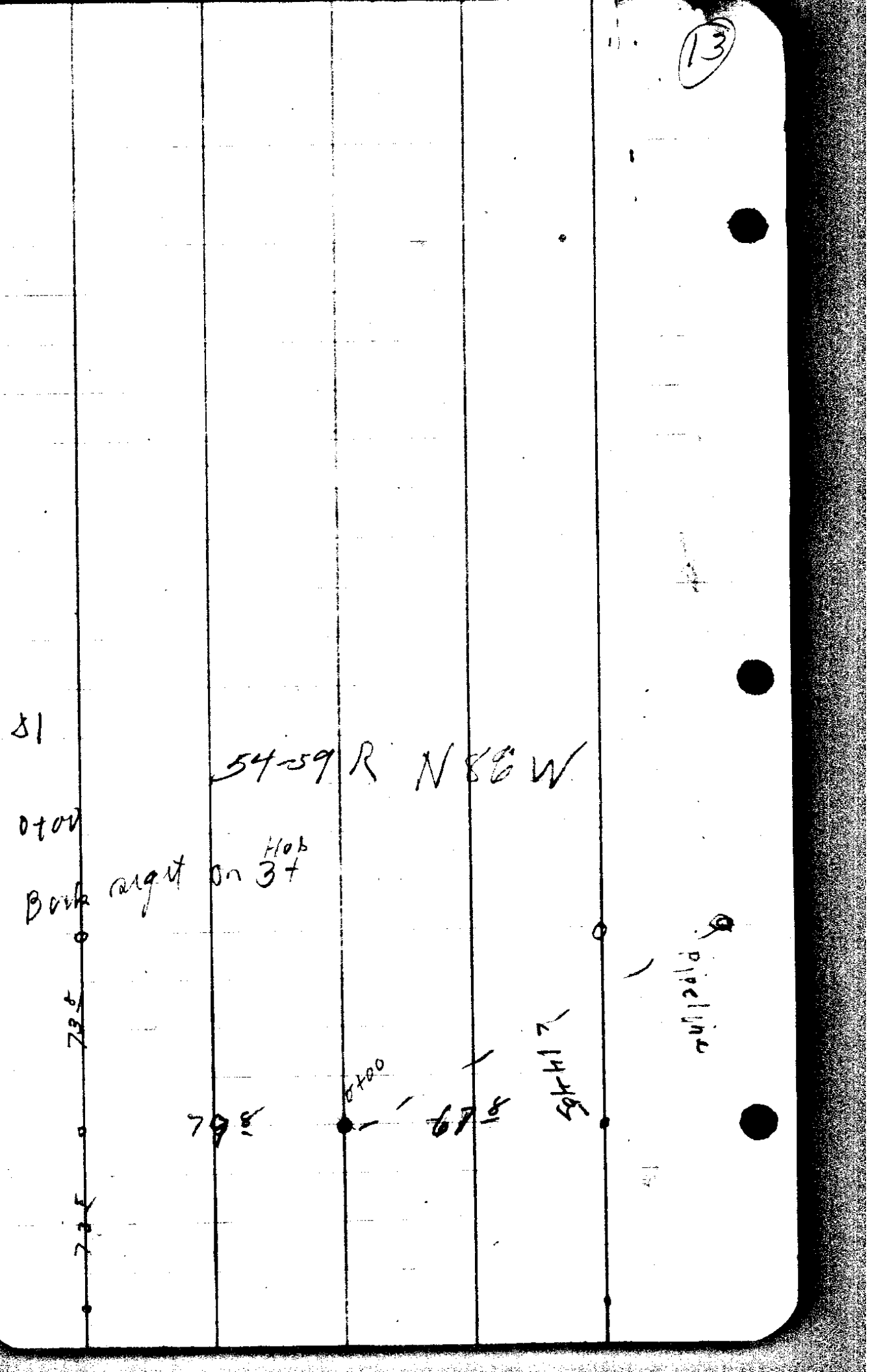
EC 86+95 ⁻²
2-43
+50 5°43'
86 7°-40'

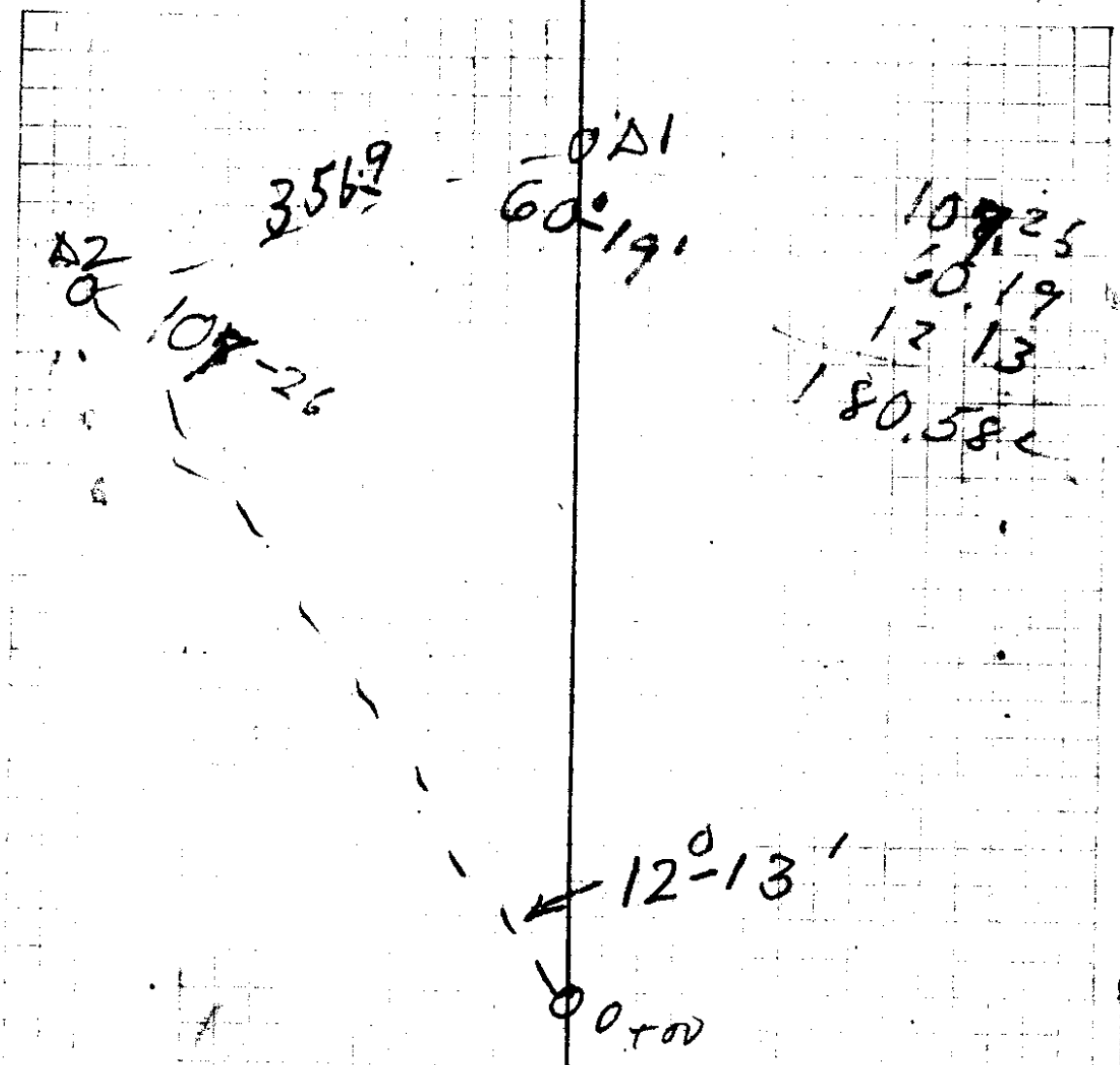
S53-53
S54-E 2W
BC 85+67 ℄ in Creek

Δ = 15-19
D = 12 ⁴
T = 64 ⁵
L = 127 ⁶

86-31 ⁸

B-1


51
54-59R N86W
0+00
Back right on 3rd Hob
23+
7+
0+00
7+98
6+78
5+47
Pipeline


356.9
60.19
10.25
-0.19
12 13
180.58
12°-13'

CS FILE FOLDER

CONTAINS

MORE

INFORMATION