City park
#1
Contours

2

F.B. 612

612 Contense.

Contours A {Brickyard}

20

40

60

80

100

120. Also in ~~Book~~ #2

MICROFILMED

DEC 14 1964

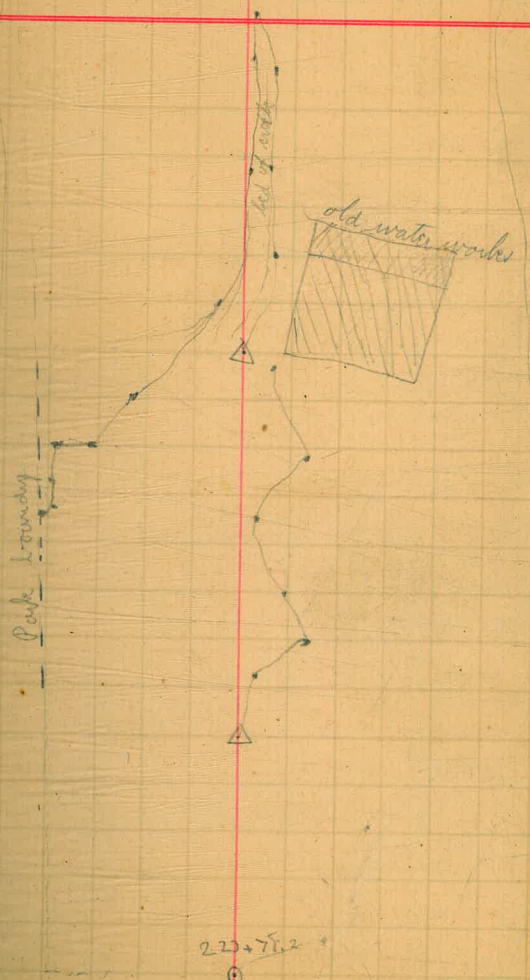
4	0·24	11	1·88	18	5·14	25	10·54
5	0·38	12	2·24	19	5·76	26	11·26
6	0·55	13	2·63	20	6·42	27	12·24
7	0·76	14	3·06	21	7·11	28	13·37
8	0·98	15	3·53	22	7·85	29	14 34
9	1·24	16	4·02	23	8·64	30	15·47
10	1·55	17	4·56	24	9·47	35	22 07

Book 4

City Park

20 Contour in Canyon A

Sta.	Left	Right				
12		2° 12'				
11+35		2° 27'				
11		5° 26'				
10		9° 59'				
9		18° 56'				
8		2° 56'				
7		00° 22'				
6		3° 33'				
5		8° 03'				
4+48		2° 20'				
4		8° 25'				
3+75		16° 54'				
3+38		8° 33'				
3		85° 13'				
2		81° 10'				
1+47		89° 04'				
1		106° 20'				
0+70		98° 15'				
0						



Starting from Sta. 223+78.2 = 0 of 20 contour
Backsight 221+56

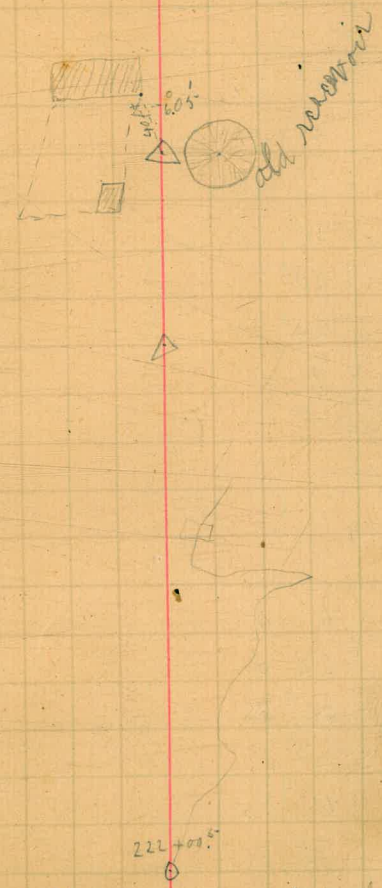
20 Contour in Canyon A.

16+34	127° 31'	
16	121° 18'	
15+90	118° 57'	
15+58	119° 45'	
15	104° 00'	
14	11° 50'	
13		1° 55'

16+34 = 232+05 of Park boundary

40

Sta.	Left	Right
10		13° 11'
9		29° 30'
8+47		47° 43'
8		1° 06'
7+92		00° 34'
7		4° 48'
6	7° 55'	
5		80° 31'
4+14		79° 57'
4		82° 45'
3+64		88° 20'
3+42		92° 31'
3		100° 50'
2+78		103° 01'
2+56		102° 00'
2		101° 34'
1+56		100° 17'
1		105° 34'
0=222+00.5		



Starting from Sta. 0=222+00.5 of park boundry backright to sta. 221+50 looking East.

40 bottom

Sta.	Left	Right
21+53	56° 41'	
21	36° 38'	
20		3° 44'
19+86		8° 54'
19		7° 58'
18+31		33° 08'
18		30° 10'
17+74		20° 25'
17		9° 22'
16+76	37° 26'	
16	36° 45'	
15	37° 13'	
14+70	34° 30'	
14		4° 45'
13+68		22° 50'
13+45		35° 28'
13		28° 20'
12+51		15° 53'
12		30° 31'
11+66		7° 10'
11		7° 50'

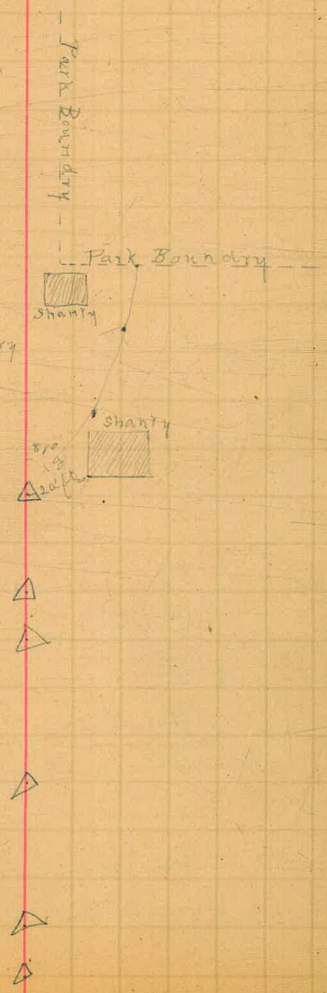
4G Contour

Sta	Left	Right
36	43° 38'	
35+39	16° 14'	
35		2° 17'
34+48	163° 52'	
34	122° 46'	
33	41° 28'	
32		54° 39'
31+35		77° 46'
31		54° 34'
30+80	8° 18'	
30	1° 05'	
29+35		8° 08'
29		7° 39'
28		3° 47'
27		1° 20'
26		14° 53'
25		14° 20
24		4° 33'
23		4° 30'
22+64	61° 46'	
22	61° 50'	

40 Contour

Sta	Left	Right				
47+29		27° 54'				
47		29° 30				
46		31° 35'				
45+30	19° 21'					
45	15° 17'					
44		2° 48'				
43+38		2° 40'				
43		5° 13'				
42		10° 18'				
41	12° 49'					
40	11° 28'					
39		12° 57'				
38		4° 55'				
37	50° 16'					

47+29 = 234+12.5 Park Boundry



60 ft Contour in Canyon A

Sta.	Left	Right
15+67		6° 45'
15		15° 12'
14		53° 05'
13		17° 08'
12		12° 11'
11		12° 19'
10		12° 53'
9		13° 14'
8		12° 03'
7	00° 55'	
6		2° 00'
5+79		7° 55'
5		36° 47'
4+44		50° 43'
4		50° 08'
3		40° 27'
2+45		69° 49'
2		62° 22'
1		48° 34'

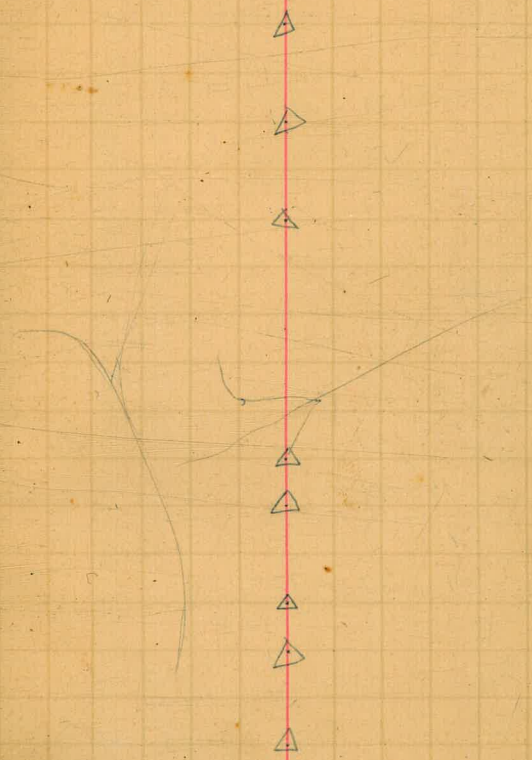
Starting from sta. 0 of 60 ft. contour = 219+56 of Park Boundry backsight to sta. 215.

60 bottom

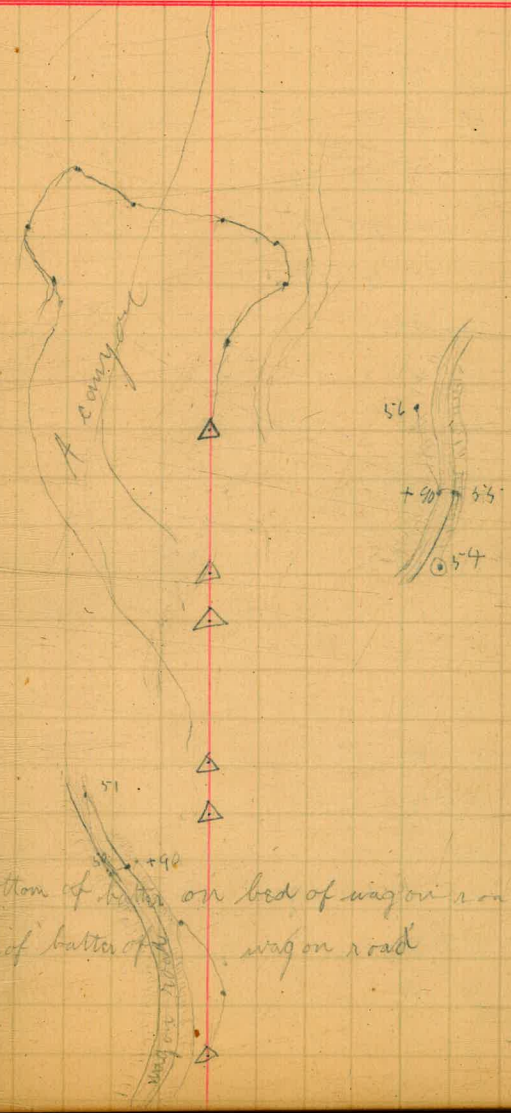
Sta.	Left	Right
31	93° 20'	
30	31° 16'	
29+30	14° 25'	
29	4° 51'	
28		6° 27'
27+22		00° 42'
27		2° 02'
26		2° 47'
25		6° 40'
24+55'	9° 03'	
24		1° 26'
23+57'		9° 57'
23		38° 02'
22		39° 39'
21+23		46° 10'
21		39° 08'
20	100° 50'	
19	102° 29'	
18	89° 15'	
17	46° 34'	
16	3° 45'	

60 Contour

Sta	Left	Right
47		24° 22'
46		5° 38'
45		7° 47'
44+56		17° 20'
44		16° 30'
43	28° 56'	
42	30° 27'	
41	28° 53'	
40+70	24° 29'	
40		34° 08'
39+56		17° 43'
39		50° 37'
38		48° 22'
37		22° 56'
36		24° 09'
35		20° 23'
34+78	158° 29'	
34	157° 29'	
33	149° 24'	
32+86	149° 57'	
32	135° 04'	



Sta.	Left	Right
62	29° 01'	✓
61	18° 05'	✓
60	14° 01'	✓
59		2° 28' ✓
58+40		12° 55' ✓
58		14° 15' ✓
57		8° 13' ✓
56	00° 55'	✓
55+09		4° 41' ✓
55		9° 57' ✓
54		5° 49' ✓
53+65		15° 13' ✓
53		16° 08' ✓
52		16° 29' ✓
51+69	1° 15'	
51	16° 40	
50	15° 06'	
49+90	12° 29'	
49	7° 32'	
48		3° 22'
47+73		22° 32'

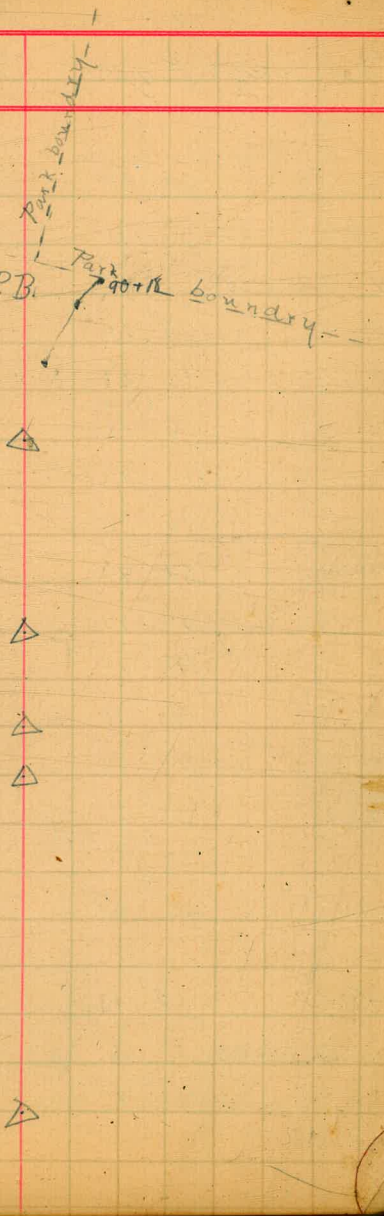


Sta.	Left	Right
77	26° 28'	
76	25° 09'	
75		21° 24'
74+90		28° 57'
74+62		11° 37'
74	178° 00'	✓
73	177° 27'	✓
72	173° 16'	✓
71	169° 08'	✓
70	163° 32'	✓
69+72	161° 19'	✓
68+72	157° 35'	✓
68	153° 04'	✓
67	141° 54'	✓
66	112° 49'	✓
65+70	104° 11'	✓
65	77° 04'	✓
64	42° 20'	✓
63+73	37° 52	✓
63+44	30° 15'	✓
63	29° 46'	✓

69+72 other bank of excv.
68+72 top of bluff of excavation

60 Contour

Sta.	Left	Right
90+18		23° 53'
90		23° 42'
89		22° 53'
88+35	26° 55'	
88	27° 25'	
87	22° 41'	
86		32° 02'
85+28		7° 55'
85		6° 38'
84		12° 18'
83	24° 41'	
82	21° 58'	
81+35	18° 55'	
81	15° 00'	
80	8° 18'	
79+31		20° 43'
79		25° 08'
78+71	29° 18'	✓
78	28° 56'	✓



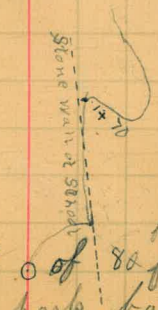
Sta. 90+18 = 239+67 of P.B.

80 ft Contour

Sta.	Left	Right
13		20° 37'
12+88		7° 31'
12	80° 32'	
11		18° 24'
10		16° 28'
9		16° 12'
8		10° 42'
7		36° 02'
6+48		57° 48'
6		56° 51'
5		49° 13'
4		45° 10'
3		47° 00'
2+32		53° 35'
2		39° 48'
1+70		29° 08'
1		
0+81.5		60° 13'
0		

5.00

5.1

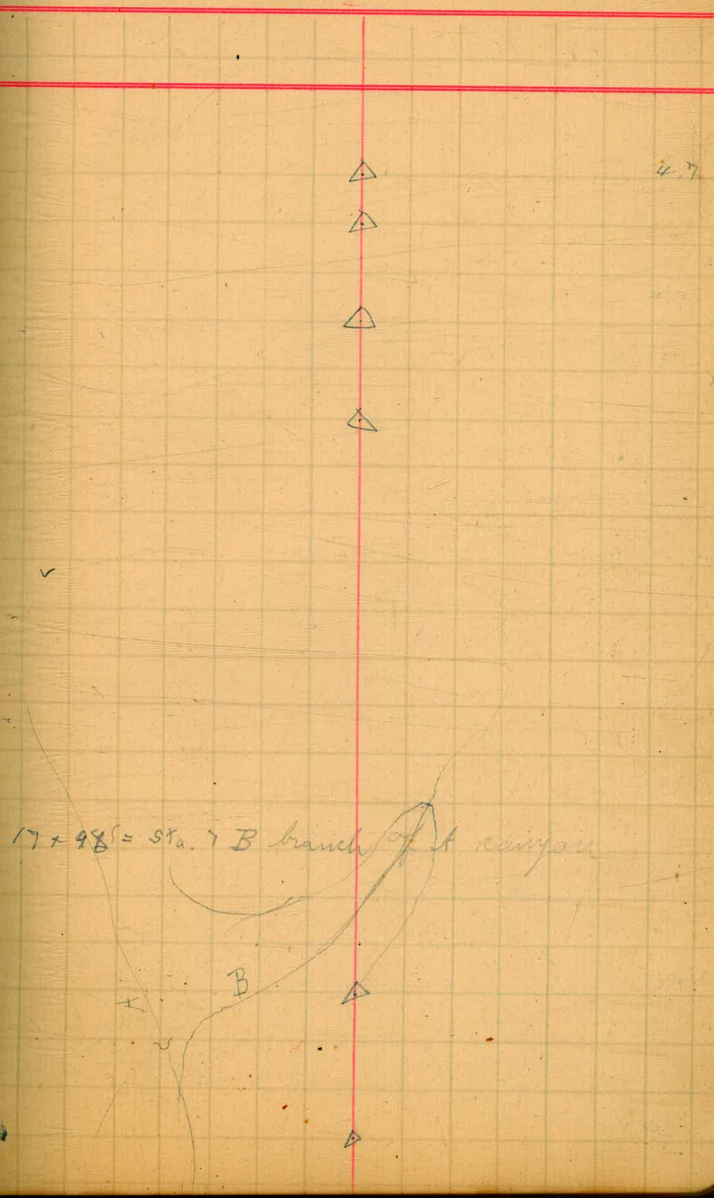


1.00

Starting from sta. 0 of 80 ft. contour = 216+28.5 fence
south boundry of park backsight 215

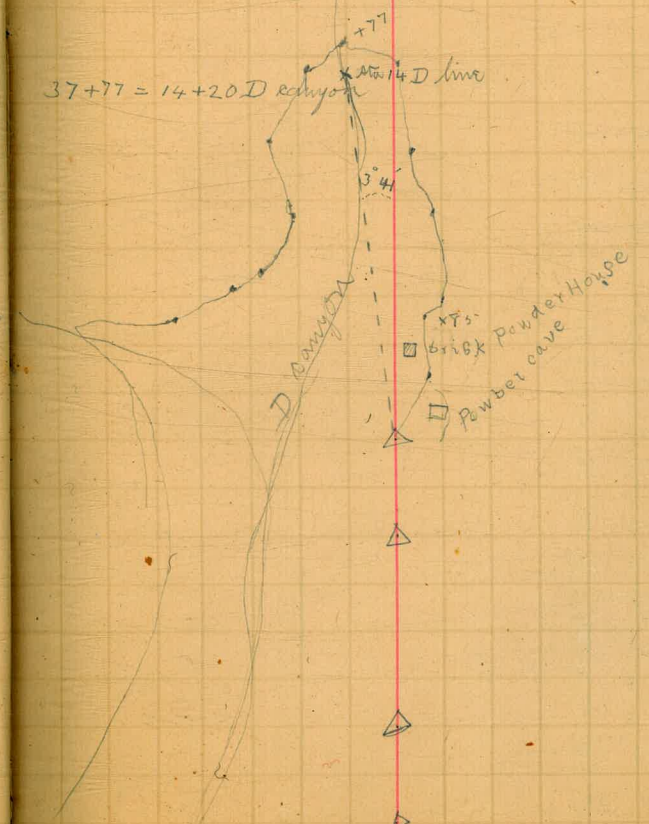
80 ft. Contour

Sta.	Left	Right
27+80	9° 44'	
27		24° 24'
26		24° 22'
25+64		69° 30'
25		65° 37'
24+40	113° 41'	
24	116° 15'	
23	116° 31'	
22	108° 58'	
21	87° 55'	
20	53° 45'	
19+89	49° 34'	
19	25° 30'	
18		1° 12'
17+98		1° 36'
17		13° 27'
16		13° 28'
15+70		40° 39'
15		38° 08'
14		30° 13'
13+77		45° 08'



80 ft. Contour

Sta.	Left	Right
40+85	19° 17'	
40	10° 15'	
39	9° 13'	
38	6° 07'	
37+77	4° 07'	
37		00° 26'
36		7° 15'
35		14° 34'
34		19° 38'
33+85		18° 35'
33		25° 05'
32+74		5° 16'
32		15° 19'
31+82		00 15'
31		4° 08'
30		15° 38'
29+67		28° 40'
29+36	1° 40'	
29		5° 11'
28+78		4° 17'
28		18° 53'



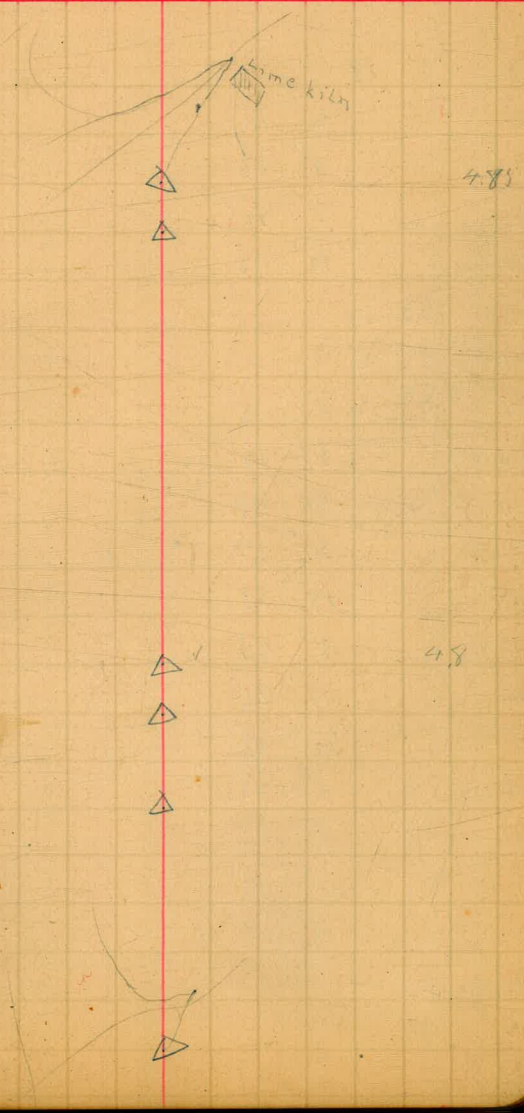
80 ft. Contour

Sta	Left	Right
53+48		50° 32'
53		49° 17'
52+31		40° 36'
52		38° 08'
51		34° 44'
50+45	162° 58'	
50	162° 49'	
49	158° 45'	
48	156° 36'	
47	150° 26'	
46+72	149° 06'	
46	138° 57'	
45+41	125° 31'	
45	112° 10'	
44+64	100° 42'	
44	87° 26'	
43+28	72° 59'	
43	70° 12'	
42	57° 38'	
41+72	40° 49'	
41	22° 50'	

4.95

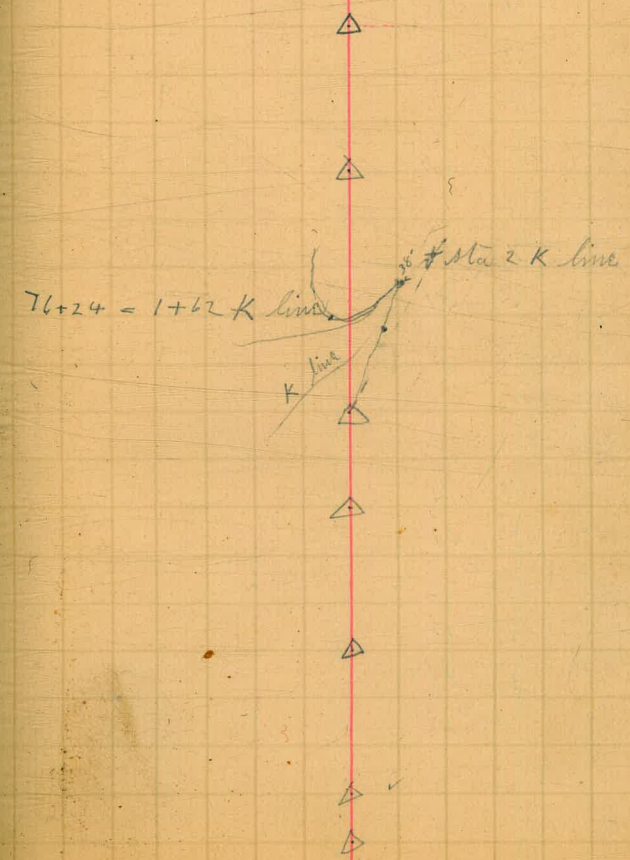
80 ft. Contour

Sta.	Left	Right
67+90		29° 52'
67		32° 19'
66+78		32° 19'
66+32		5° 34'
66		5° 46'
65		7° 53'
64		15° 22'
63+72		13° 10'
63		15° 16'
62+62		14° 26'
62		22° 24'
61+67		13° 20'
61		25° 59'
60		22° 57'
59		25° 42'
58+27	26° 24'	
58	26° 28'	
57	25° 43'	
56	19° 53'	
55		26° 15'
54		23° 13'



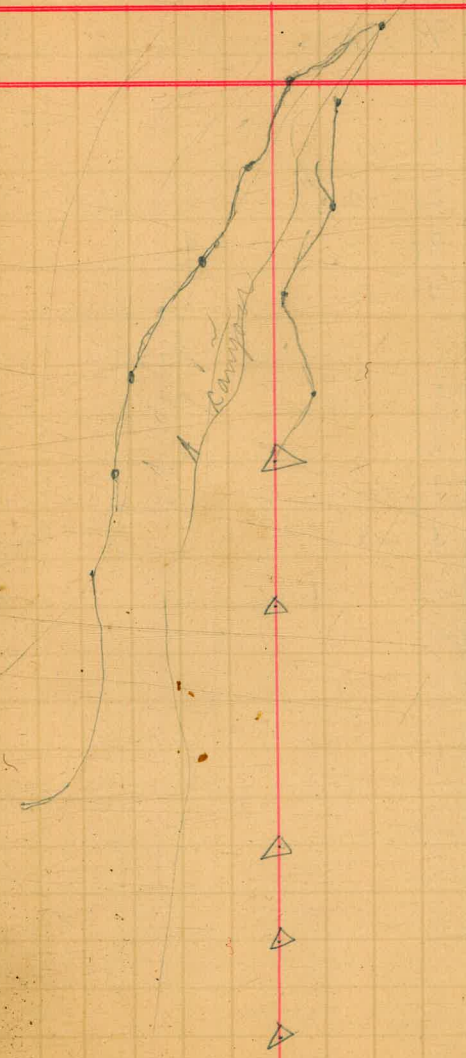
80 ft. bottom

Sta.	∠ Left	Right
83	5° 19'	
82		10° 10'
81		5° 13'
80		6° 41'
79		12° 36'
78	59° 59'	
77+74	57° 28'	
77	8° 06'	
76+24		37° 35'
76		38° 49'
75+18		22° 17'
75		13° 13'
74+74		7° 42'
74		10° 31'
73		12° 01'
72+65		5° 02'
72		6° 04'
71		6° 58'
70		13° 57'
69+51	32° 29'	
69	31° 33'	
68		24° 47'



80 ft. contour

Sta.	Left	Right
100		2° 43'
99		7° 57'
98		6° 33'
97		8° 36'
96		3° 26'
95		31° 55'
94+45		32° 30'
94		28° 25'
93		30° 34'
92+64	97° 59'	
92	102° 53'	
91	26° 37'	
90		9° 31'
89		15° 19'
88+56		38° 52'
88		29° 57'
87+61		1° 28'
87		00° 46'
86	9° 18'	
85+73	9° 45'	
85	7° 25'	
84	8° 13'	



80 ft. Contour

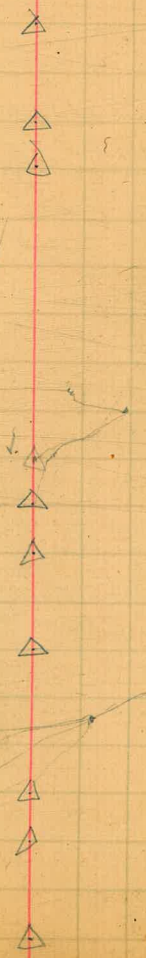
Sta.	Left	Right
117		23° 47'
116+33		39° 40'
116		39° 12'
115		28° 22'
114+80	00° 21'	
114	1° 50'	
113		9° 22'
112+40		6° 43'
112		5° 18'
111+24	152° 08'	
111	151° 52'	
110	150° 37'	
109	149° 32'	
108	148° 13'	
107+77	146° 27'	
107	144° 07'	
106	135° 53'	
105	119° 22'	
104	90° 29'	
103	53° 06'	
102	24° 48'	
101	2° 25'	

80 ft. Contour

Sta.	Left	Right
131	1° 28'	
130		1° 14'
129		4° 00'
128		10° 40'
127+52		16° 08'
127		17° 10'
126		16° 08'
125+39		30° 45'
125		19° 30'
124+92	112° 04'	
124+50	113° 07'	
124	98° 46'	
123+50	60° 00'	
123	19° 23'	
122		13° 37'
121		15° 49'
120+45		46° 30'
120		38° 08'
119+61		20° 18'
119		7° 42'
118		19° 36'

80 ft. Contour

Sta.	Left	Right
147		53° 37'
+28		13° 28'
146		9° 50'
145		11° 54'
144	28° 39'	
143	26° 42'	
142	18° 33'	
141	10° 15'	
140		35° 13'
139 +92		39° 00'
139		35° 39'
138+70		11° 54'
138		8° 51'
137		7° 28'
136	91° 24'	
135	53° 35'	
134		15° 42'
133		40° 10'
+32		22° 06'
132		12° 09'
131+74		7° 19'



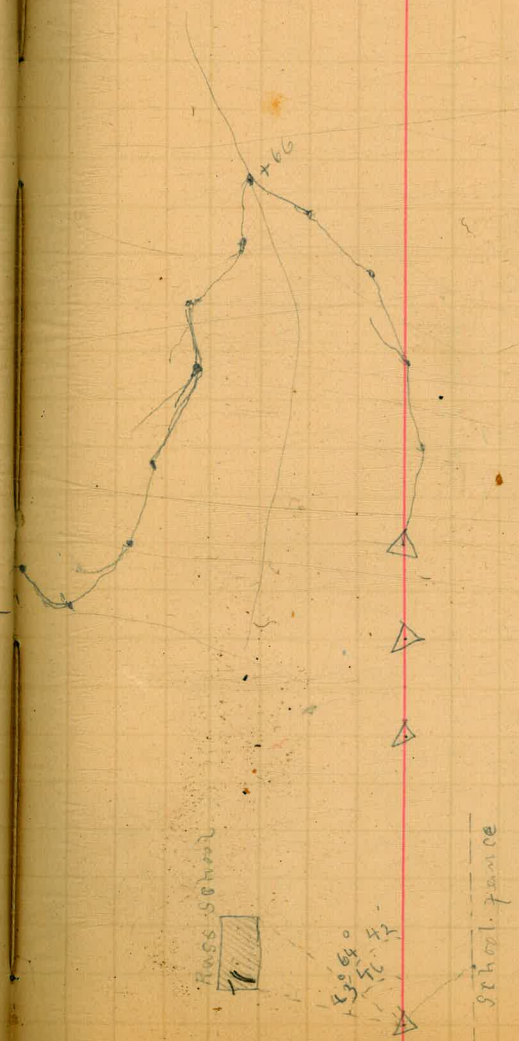
Sta.	Left	Right				
151		46° 47'				
+78		16° 10'				
150+40	34° 49'					
150	35° 08'					
149+60	33° 38'					
149	14° 51'					
148		31° 06'				
147+60		50° 27'				

100 contour in canyon A. & branches.

Sta.	Left	Right
10		26° 26'
9 + 55		26° 29'
9		30° 03'
8		38° 19'
7		45° 37'
6 + 43		51° 10'
6		53° 36'
5		64° 48'
4		75° 43'
3		82° 31'
2	126° 14'	
1	150° 44'	
0	87° 03	

set up on sta. 207 × ⊙ line backsight to sta 215 × looking west turned to 0 of 100 line 87° 03' Left. distance 744.2 ft.

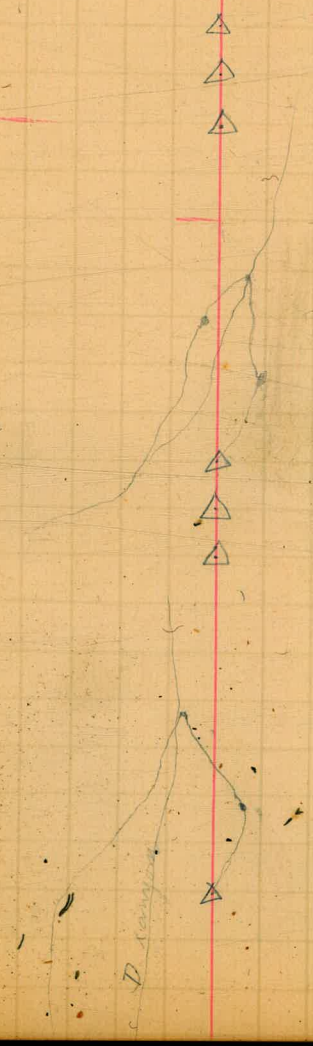
Sta.	Left	Right
28	81° 29'	
27	63° 28'	
26	47° 40'	
25	31° 20'	
24	21° 00'	
23+66	18° 30'	
23	15° 13'	
22	6° 25'	
21		1° 40'
20		2° 52'
19		78° 02'
18		71° 42'
17+72		50° 50'
17		32° 00'
16		42° 16'
15		43° 18'
14		50° 42'
13		63° 01'
12		65° 39'
12+90		64° 06'
11		26° 39'



Sta.	Left	Right
45		1° 06'
44		4° 04'
43		4° 36'
42		9° 00'
41+22		13° 24'
41		16° 23'
40+65		20° 51'
40		20° 55'
39		31° 44'
38		34° 51'
37+53	00° 56'	
37	1° 09'	
36		00° 52'
35		00° 40'
34		8° 19'
33		16° 13'
32+73		60° 45'
32		57° 57'
31	100° 11'	
30	102° 23'	
29	95° 18'	

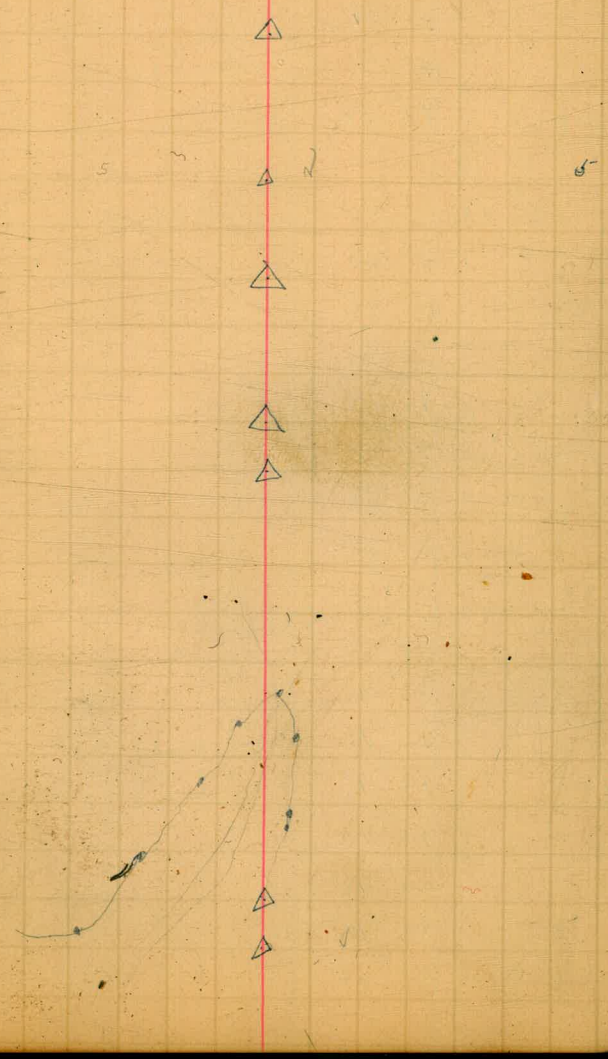
5. 15

Sta	Left	Right
60+84		26° 16'
60		18° 36'
59	108° 28'	
58+45	109° 15'	
58	102° 07'	
57	58° 24'	
56		2° 22'
55+57		24° 38'
55		34° 45'
54+42		53° 10'
54		35° 13'
53+67	172° 12'	
53	169° 38'	
52	154° 32'	
51	113° 50'	
50	47° 31'	
49	9° 10'	
48		12° 40'
47+35	4° 59'	
47	4° 57'	
46	1° 45'	



100 contour in Canyon A + branch

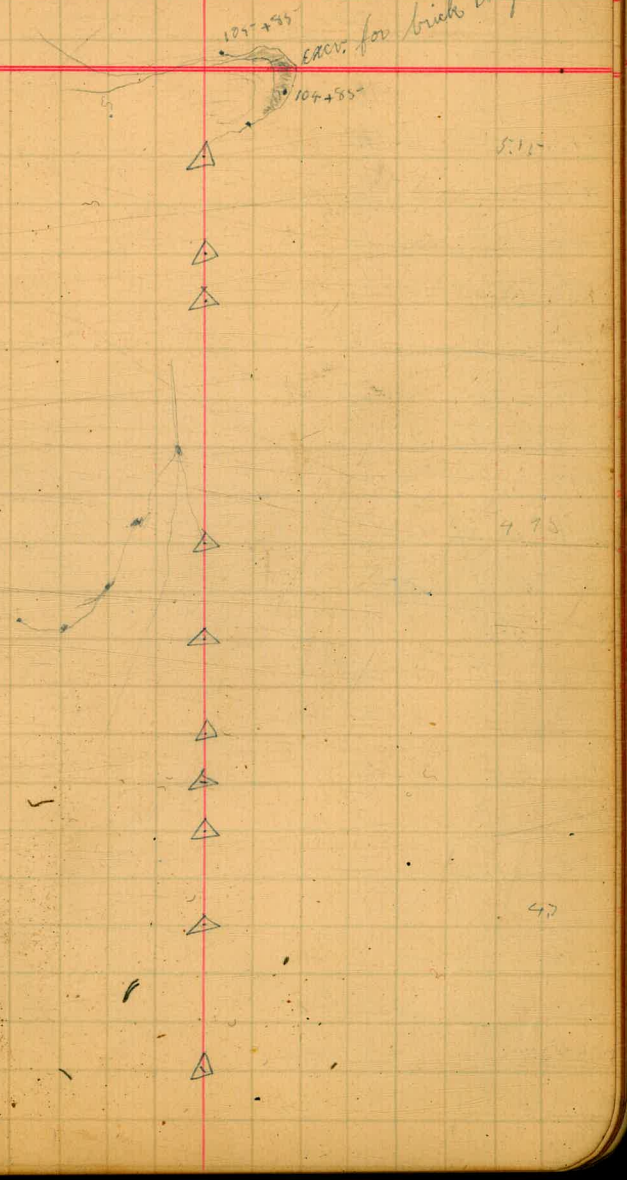
Sta.	Left	Right
74+50		52° 04'
74		41° 57
73		24° 11'
72+83		11° 43'
72		12° 21'
71+43		6° 25'
71		9° 42'
70		12° 01'
69+59		10° 29'
69	104° 43'	
68	105° 13'	
67	80° 18'	
66	35° 38'	
65+38	11° 31'	
65	4° 46'	
64+38		7° 35'
64		15° 17'
63		19° 12'
62		38° 04'
61+42		35° 47'
61		14° 22'



Sta.	Left	Right
89		34° 42'
88		40° 31'
87		40° 30'
86+49		23° 52'
86	5° 09'	
85	2° 47'	
84		4° 40'
83+75		2° 56'
83		3° 46'
82+79		2° 48'
82		26° 43'
81+57		13° 28'
81		11° 58'
80+72		21° 24'
80		20° 37'
79		36° 16'
78		35° 02'
77+57		37° 11'
77		57° 12'
76+57		64° 42'
76		65° 16'
75		61° 10'

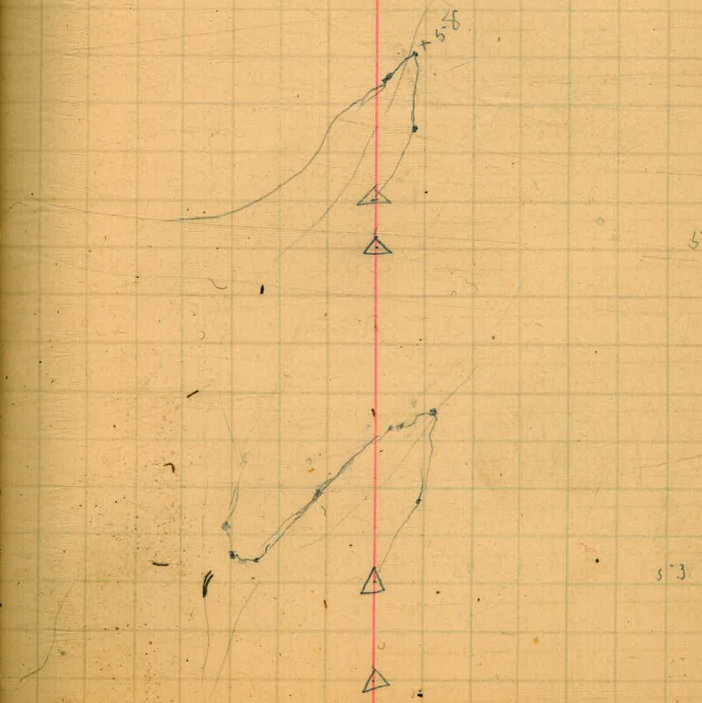
100 ft. contour in canyon A & B

Sta.	Left	Right
104		40° 41'
103+18		40° 29'
103		30° 57'
102+93		26° 39'
102+50	148° 09'	
102	149° 03'	
101	139° 28'	
100	48° 47'	
99+60	9° 07'	
99		00° 35'
98	3° 02'	
97+78		12° 39'
97		10° 48'
96+53		31° 45'
96+44		25° 34'
96		9° 05'
95		9° 44'
94		16° 13'
93		15° 49'
92		13° 22'
91+52	23° 23'	
91	17° 52'	
90		17° 32'



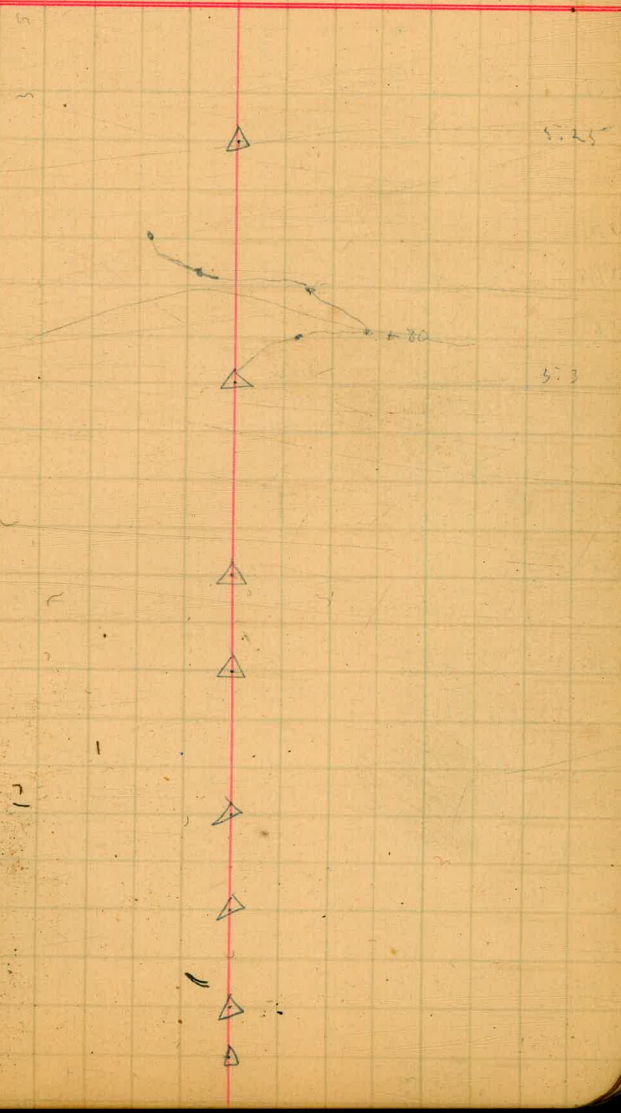
Sta.	Left	Right
120		11° 51'
119+80		9° 17'
119		16° 49'
118		22° 17'
117		23° 20'
116+61		29° 33'
116		25° 23'
115+51	77° 07'	
115	81° 42'	
114	40° 20'	
113+60	16° 04'	
113		19° 54'
112		50° 32'
111+47		8° 24'
111		8° 30'
110		7° 54'
109		23° 12'
108	34° 00'	
107	34° 32'	
106	00° 00'	00° 00'
105+85		6° 55'
104+85		43° 28'

Sta.	Left	Right
137		18° 28'
136		17° 25'
135	150° 37'	
134	146° 59'	
133	142° 13'	
132	120° 24'	
131	45° 02'	
130		12° 26'
129+58		19° 58'
129		26° 07'
128		62° 42'
127+23	114° 17'	
127	119° 49'	
126+78	121° 08'	
126	48° 35'	
125		13° 58'
124+84		16° 42'
124		22° 07'
123+58		27° 34'
123		24° 22'
122	18° 52'	
121	9° 18'	



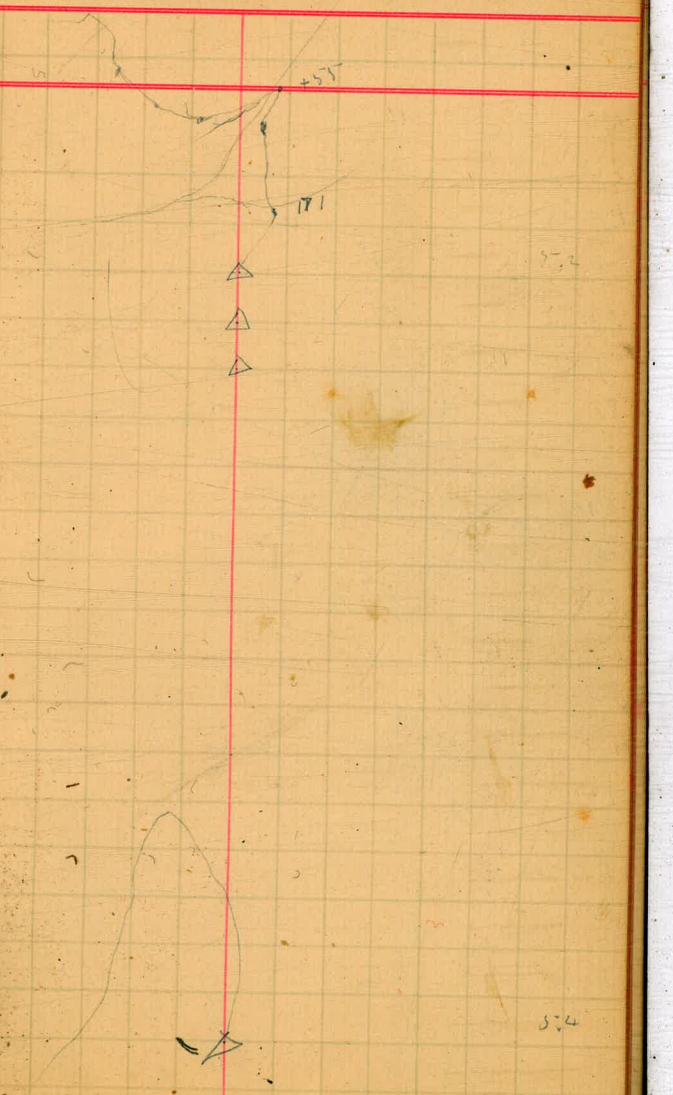
100 ft contour in canyon A + branches

Sta.	Left	Right
152		28° 34'
151		25° 33'
150+52	27° 19'	
150	16° 49'	
149		55° 34'
148+80		65° 00'
148		53° 00'
147+77	3° 27'	
147	1° 49'	
146		5° 08'
145		7° 29'
144		27° 52'
143+46		49° 39'
143		6° 07'
142+78		4° 43'
142		13° 35'
141		3° 50'
140		22° 24'
139+89		32° 03'
139		31° 18'
138+71		57° 18'
138		18° 19'



100 ft. bottom in canyon A & branches

Sta.	Left	Right
172+55		10° 57'
172		9° 19'
171		32° 49'
170+67		24° 08'
170		9° 37'
169	161° 48'	
168	161° 23'	
167	160° 24'	
166	159° 08'	
165	158° 29'	
164	154° 40'	
163	141° 30'	
162	116° 06'	
161	80° 20'	
160	46° 17'	
159	17° 48'	
158	5° 41'	
157	00° 45'	
156		9° 20'
155		11° 14'
~~154~~		13° 52'
153		23° 30'



100 ft. contours in canyon A. & branch

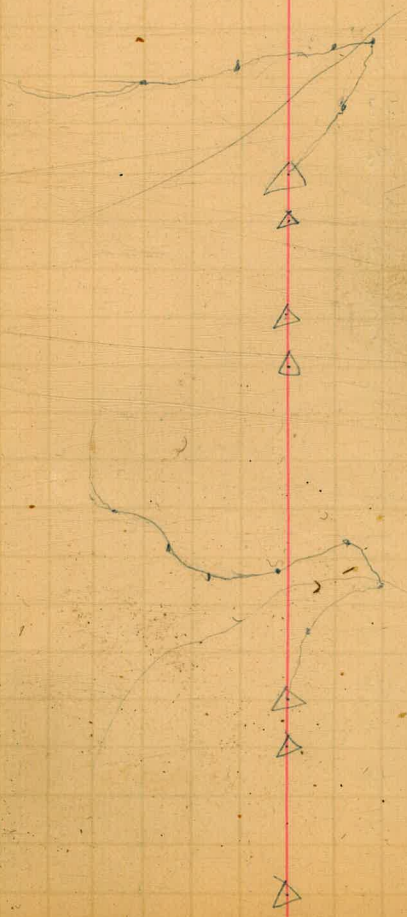
Sta.	Left	Right
187		16° 19'
186		12° 13'
185+79		12° 32'
185		14° 34'
184		19° 18'
183+60	14° 13'	
183	7° 51'	
182		41° 41'
181+89		51° 32'
181		32° 41'
180+85		11° 40'
180	6° 19'	
179	6° 42'	
178	4° 22'	
177		00° 42'
176		9° 57'
175+63	55° 34'	
175	57° 01'	
174+55	52° 24'	
174	38° 54'	
173+68	23° 32'	
173		2° 13'

Sta.	Left	Right
202	158° 04'	
201	133° 08'	
200+63	115° 11'	
200	66° 14'	
199+74	49° 33'	
199		6° 52'
198+70		17° 05'
198		17° 41'
197+64		17° 34'
197		12° 04'
196		46° 05'
195		38° 21'
194+70		33° 30'
194		18° 21'
193	53° 48'	
192+82	34° 37'	
192	37° 15'	
191		38° 50'
190+41		33° 42'
190		22° 14'
189		12° 36'
188		14° 08'

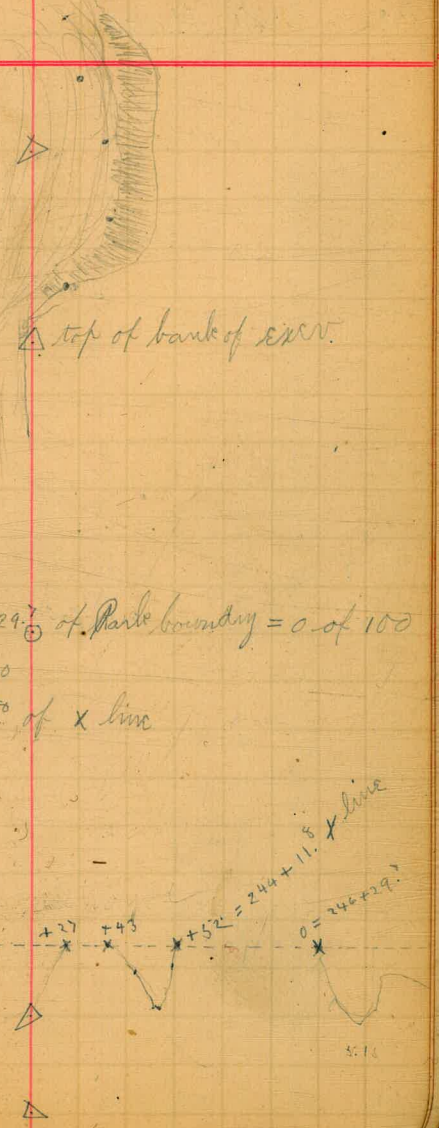
Sta.	Left	Right
216	115° 39'	
215+69	111 15'	
215	89° 06'	
214	38° 00'	
213+80	27° 31'	
213		18° 19'
212		42° 15'
211+36		34° 52'
211		25° 28'
210+61		15° 17'
210		8° 04'
209+80	11° 04'	
209	9° 50'	
208	6° 57'	
207+53	3° 20'	
207		3° 04'
206		11° 12'
205		12° 04'
204+62		32° 14'
204		27° 23'
203+55	169° 09'	
203	168° 07'	

100 ft. contour in canyon A & branches

Sta.	Left	Right					
232	77° 39'						
231	59° 04'						
230	27° 52'						
229		9° 04'					
228+65		21° 12'					
228		24° 23'					
227		48° 41'					
226+30		10° 53'	✓				
226		8° 30'	✓				
225		11° 15'	✓				
224	54° 12'						
223	47° 40'						
222	39° 58'						
221	4° 52'						
220+47		15° 28'					
220		30° 24'					
219		12° 17'					
218+79		31° 14'					
218+28		15° 24'					
218		14° 53'					
217		13° 39'					
216+36	115° 51'						



Sta.	Left	Right
8		38° 37'
7		45° 56'
6		52° 10'
5		49° 12'
4+74		26° 37'
4		33° 05'
3		40° 01'
2		71° 05'
1+95		72° 26'
1		64° 06'
0		
237+52		74° 58'
237		82° 08'
236		96° 09'
235		73° 30'
234+43		46° 07'
234+27		28° 30'
234		38° 40'
233		22° 06'
232+75	77° 15'	



Set up at sta. 246+29.7 ⊙ of Park boundary = 0 of 100 ft. contour B.S. to 245+10

X 237+52 = 244+11.8 of X line

Sta.	Left	Right				
10		00° 07'				
9		10° 20				

sta. 10 includes sta. 257+67.2 of ℄ line

120 contour in canyon A. & branches

Sta.	Left	Right				
6		36° 31'				
5		24° 42'				
4		33° 50'				
3	92° 15'					
2	119° 03'					
1	149° 44'					
12+21 = 0						
12						
11						
10						
9						
8						
7						
6						
5						
4						
3						
2+41.7			12° 39' Left			
2						
1						
0			87° 00' Left			

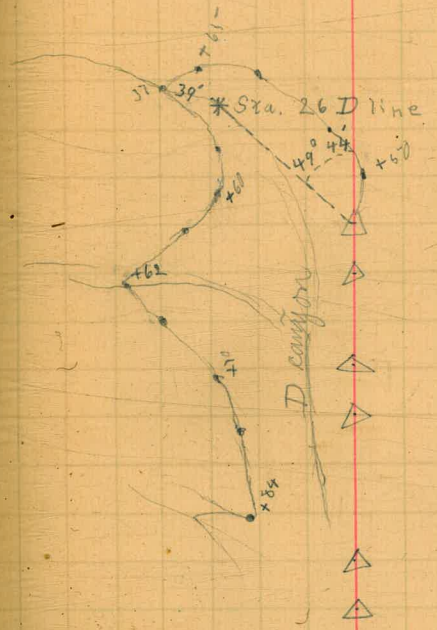
12+21 = 0 of 120 ⊙ contour line

Starting from sta. 207 ⊙ backsight to sta. 215 looking west turned to left.

120 contour

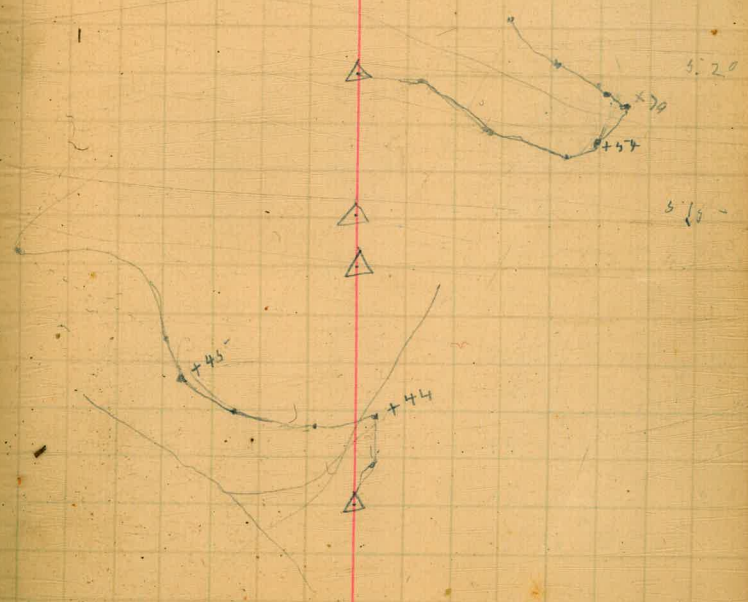
Sta.	Left	Right
24+36	10° 07'	
24	9° 26'	
23	5° 21'	
22+75	3° 28	
22		6° 11'
21+35		6° 20'
21		9° 05'
20		26° 48'
19+15		14° 15'
19		11° 55'
18		10° 03'
17		10° 27'
16		13° 43'
15		95° 04'
14		81° 10'
13		39° 34'
12		37° 48'
11		40° 39'
10		42° 40'
9		43° 00'
8		46° 02'
7		43° 23'

Sta.	Left	Right
39	94° 15'	
38+60	73° 40'	
38	56° 27'	
37	51° 28'	
36+65	45° 08'	
36	31° 48'	
35	14° 12'	
34+50		2° 41'
34		21° 19'
33+66		10° 17'
33		26° 10'
32+61		13° 00'
32	18° 40'	
31	18° 00'	
30	1° 48'	
29		11° 23'
28+72	17° 58'	
28	16° 50'	
27+55	15° 27'	
27	12° 48'	
26+55	12° 29'	
26	11° 55'	
25	9° 10'	



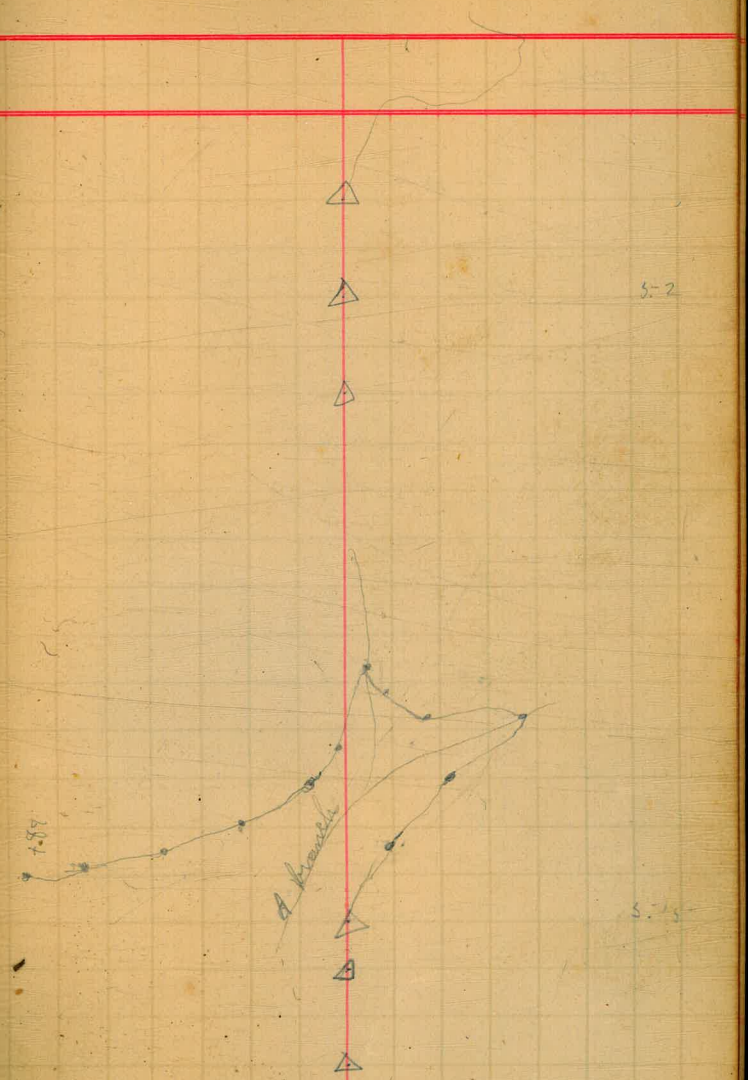
120 contour in canyon A & branches

Sta.	Left	Right
53		62° 52'
52+70		73° 37'
52		96° 45'
51		115° 03'
50+79		117° 56'
50+54		123° 21'
50		126° 40'
49		127° 17'
48		96° 40'
47+81	9° 16'	
47	8° 23'	
46		1° 28'
45		23° 31'
44+45	58° 01'	
44	57° 40'	
43	39° 31'	
42+44		8° 43'
42		21° 03'
41+84	169° 48'	
41	160° 10'	
40+70	153° 41'	
40	120° 56'	
39+62	115° 20'	



120 Contour in canyon A & branches

Sta.	Left	Right
71		38° 19'
70+17		21° 43'
70		19° 23'
69		2° 57'
68	1° 32'	
67+87	69° 00'	
67	66° 38'	
66	57° 28'	
65	25° 06'	
64+35	6° 31'	
64	00° 59'	
63		5° 42'
62		21° 25'
61		40° 11'
60		38° 31'
59		39° 28'
58		47° 43'
57+31		34° 07'
57		25° 53'
56+64	00° 33'	
56	1° 04'	
55		11° 31'
54		33° 47'



120 Contour line in canyon A. & branches

Sta.	Left	Right		Left	Right
85+40		7° 51'			7° 40'
85		6° 33'			5° 32'
84+86		5° 21'			4° 35'
84		17° 36'			17° 36'
83+69		32° 41'			33° 15'
83		26° 28'			25° 56'
82+45		00° 41'	✓		0° 41'
82		00° 21'			0° 02'
81		4° 25'			4° 22'
80		7° 52'			7° 49'
79		10° 30'			10° 30'
78		7° 23'			5° 56'
77+67		25° 32'			25° 32'
77		19° 07'			19° 21'
76+41		23° 42'			23° 42'
76		20° 34'			20° 34'
75		14° 22'			13° 51'
74+64		00° 13'			0° 14'
74	00° 12'			10° 19'	
73+32		61° 41'	✓		
73		65° 22'			
72		57° 39'			
71+60		49° 51'			

485

490

485

49

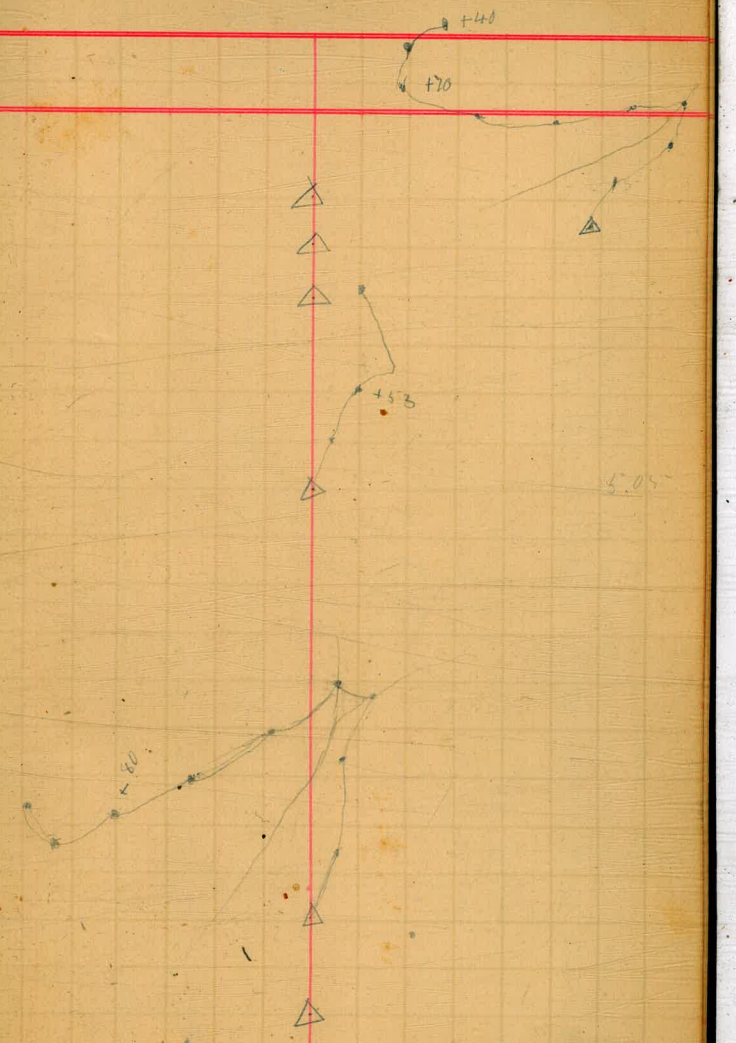
Sta.	Left	Right			
99	23° 34'				
98+22	19° 15'			Left	Right
98	16° 30'				
97	12° 10'				
96	3° 38'				
95		2° 34'			
94+53		7° 01'			
94		27° 14'			
93+31		37° 42'	✓		
93		25° 24'			
92+65		2° 30'			
92		12° 13'			
91+46		7° 00'			
91		8° 20			
90+71		7° 49'			
90		6° 25'			
89+57		29° 30			
89		26° 32'			
88+52	119° 36'			79° 43'	
88	70° 03'			63° 10'	
87	33° 15'			26° 45'	
86+28	14° 57'			13° 17'	
86	7° 00'			7° 07'	

✓

88+81

120 Contour in canyon A + branches

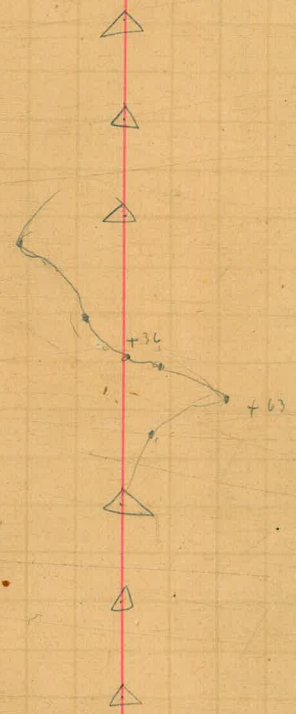
Sta.	Left	Right
114		9° 48'
113+65		43° 28'
113		25° 42'
112		12° 49'
111		23° 50'
110+53		19° 18'
110		17° 00'
109+55	64° 10'	
109	66° 48'	
108+80	64° 53'	
108	43° 32'	
108	8° 57'	
106		12° 00'
105+79		16° 10'
105		16° 44'
104		18° 05'
103+47		5° 28'
103		34° 40'
102+81	114° 21'	
102	103° 12'	
101	59° 15'	
100+59	42° 42'	
100	33° 55'	



120 Contour in canyon A. & branches

Sta.	Left	Right
128		17° 15'
127		15° 60'
126+25		30° 41'
126		29° 42'
125	26° 52'	
124	19° 35'	
123+36		00° 38'
123		20° 21'
122+63		40° 35'
122		25° 28'
121+63		30° 33'
121		27° 10'
120+35		63° 34'
120		59° 41'
119+40	88° 17'	
119	91° 52'	
118+76	93° 20'	
118	88° 17'	
117	60° 48'	
116	14° 29'	
115+24		13° 35'
115		17° 00'

Continued in book ——



St						
128	43° 26'	Right				
127	26° 26'	Left				
126+						
126						
125						
124						
123+						
123						
122+						
122						
121+						
121						
120+						
120						
119+						
119						
118+						
118						
117						
116						
115+						
115						

TRAVERSE TABLE FOR TRANSIT BOOK,

From 1° to 90° for a distance of 100.

Degrees.	DEGREES.		¼ DEGREE.		½ DEGREE.		¾ DEGREE.		Degrees.
	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	
0			100.00	0.44	100.00	0.87	99.99	1.31	89
1	99.98	1.75	99.98	2.18	99.97	2.62	99.95	3.05	88
2	99.94	3.49	99.92	3.93	99.91	4.36	99.88	4.80	87
3	99.86	5.23	99.84	5.67	99.81	6.10	99.79	6.54	86
4	99.76	6.98	99.73	7.41	99.69	7.85	99.66	8.28	85
5	99.62	8.72	99.58	9.15	99.54	9.58	99.50	10.02	84
6	99.45	10.45	99.41	10.89	99.36	11.32	99.31	11.75	83
7	99.25	12.19	99.20	12.62	99.14	13.05	99.09	13.49	82
8	99.03	13.92	98.97	14.35	98.90	14.78	98.84	15.21	81
9	98.77	15.64	98.70	16.07	98.63	16.50	98.56	16.93	80
10	98.48	17.36	98.40	17.79	98.33	18.22	98.25	18.65	79
11	98.16	19.08	98.08	19.51	97.99	19 94	97.90	20.36	78
12	97.81	20.79	97.72	21.22	97.63	21.64	97.53	22.07	77
13	97.44	22.50	97.34	22.92	97.24	23.34	97.13	23.77	76
14	97.03	24.19	96.92	24.62	96.81	25.04	96.70	25.46	75
15	96.59	25.88	96.48	26.30	96.36	26.72	96.25	27.14	74
16	96.13	27.56	96.00	27.98	95.88	28.40	95.76	28.82	73
17	95.63	29.24	95.50	29.65	95.37	30.07	95.24	30.49	72
18	95.11	30.90	94.97	31.32	94.83	31.73	94.69	32.14	71
19	94.55	32.56	94.41	32.97	94.26	33.38	94.12	33.79	70
20	93.97	34.20	93.82	34.61	93.67	35.02	93.51	35.43	69
21	93.36	35.84	93.20	36.24	93.04	36.65	92.88	37.06	68
22	92.72	37.46	92.55	37.86	92.39	38.27	92.22	38.67	67
23	92.05	39.07	91.88	39.47	91.71	39.87	91.53	40.27	66
24	91.35	40.67	91 18	41.07	91.00	41.47	90.81	41.87	65
25	90.63	42.26	90.45	42.66	90 26	43.05	90.07	43 44	64
26	89.88	43.84	89.69	44.23	89.49	44.62	89.30	45.01	63
27	89.10	45.40	88.90	45.79	88.70	46.17	88.50	46.56	62
28	88.29	46.95	88.09	47.33	87.88	47.72	87.67	48.10	61
29	87.46	48.48	87.25	48.86	87.04	49 24	86.82	49.62	60
30	86.60	50.00	86.38	50.38	86.16	50.75	85.94	51.13	59
31	85.72	51.50	85.49	51.88	85.26	52.25	85.04	52.62	58
32	84.80	52.99	84.57	53.36	84.34	53.73	84.10	54.10	57
33	83.87	54.46	83.63	54.83	83.39	55.19	83.15	55.56	56
34	82.90	55.92	82 66	56.28	82.41	56.64	82.16	57.00	55
35	81.92	57.36	81.66	57.71	81.41	58.07	81.16	58.42	54
36	80.90	58.78	80.64	59.13	80.39	59.48	80.13	59.83	53
37	79.86	60.18	79.60	60.53	79.34	60.88	79.07	61.22	52
38	78.80	61.57	78.53	61.91	78 26	62.25	77.99	62.59	51
39	77.71	62.93	77.44	63.27	77.16	63.61	76.88	63.94	50
40	76.60	64.28	76.32	64.61	76.04	64.94	75.76	65.28	49
41	75.47	65.61	75.18	65.93	74.90	66.26	74.61	66.59	48
42	74.31	66.91	74.02	67.24	73.73	67.56	73.43	67 88	47
43	73.14	68.20	72.84	68.52	72.54	68.84	72.24	69.15	46
44	71.93	69.47	71.63	69.78	71.33	70.09	71.02	70.40	45
45	70.71	70.71							
Degrees.	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	Degrees.
	DEGREES.		¾ DEGREE.		½ DEGREE.		¼ DEGREE.		

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