ROUGH	TOP CURB		TOP CURB	ROUGH
371				
36.44	36.27	28+00	36.57	36.74
C0.7@0.7	36.00			
.7 to Gut	F0.27			
+0.7 to ℄				
			36.54	
	36.20			
	32.86 EXISTING		33.75	
			C0.21	
			33.69	
	32.89		33.67	
	32.75		C0.02	
	F0.14			

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ROUGH	TOP CURB		TOP CURB	ROUGH
371				
36.44	36.27	28+00	36.57	36.74
C0.7@0.7	36.00			
0.7 to Gut	F0.27			
40.7 to ℄				
			36.54	
	36.20			
	35.92			
	F0.28			
	36.02			
	36.00			
	C0.02			
	35.83 EXIST.			
			33.99	
			33.85	34.02
			C 0.14	40.4
				F0.6@6.9
				8.9 to Gut
			33.96	40.4 to ℄
	32.86 EXISTING		33.75	
			C 0.21	
			33.69	
	32.89		33.67	
	40.44		C0.02	
	F0.14			

		ROUGH	TOP CURB	TOP CURB	ROUGH
+52					
29+80±	SEWER LATERAL (2)	36.65 32.23 I.E. C 4.42			
29+75			37.09 36.90 C 0.19	36.99 36.89 F 0.10	
29+50	DRAINAGE OUTLET ON RIGHT 36.43 GUT.	36.97 36.9 F 0.1 @ 0.2 8.2 to Gut 40.2 to ℄	36.90 36.80 C 0.10	37.07 36.93 C 0.14	37.2 37.10 C 0.1 @ 0.1 8.1 to Gut 42.1 to ℄
29+25			36.80 36.70 C 0.10	37.24 36.87 C 0.37	
29+00		36.77 GRADE at PROP	36.80 36.60 C 0.20	37.14 36.81 C 0.33	38.0 36.98 C 1.0 @ 1.0 9.0 to Gut 43.0 to ℄
28+75			36.72 36.50 C 0.22	37.18 36.75 C 0.43	
28+50		37.1 36.57 C 0.5 @ 0.5 8.5 to Gut 40.5 to ℄	36.57 36.40 C 0.17	37.02 36.69 C 0.33	39.0 36.86 C 2.1 @ 2.1 10.1 to Gut 44.1 to ℄
28+25		36.33	36.33 36.27 F 0.06	36.91 36.63 C 0.28	

		ROUGH	TOP CURB		TOP CURB	ROUGH.	
			3750		3749	377	
31+00	43.1	37.54 353 F2.2@3.3 11.3 to Gut 44.4 to ℄	37.37 C 0.13		37.37 C 0.12	37.54 CO.2@0.2 8.2 to Gut 44.6 to ℄	44.4
30+79.96 E.C. ON NORTH			3758 37.30 C 0.28				
					3741 37.27 C 0.14		
30+73.31 E.C. ON SOUTH							
					3744		
30+50 MIDPOINT	40.9	37.36 355 F1.9@2.9 10.9 to Gut 43.8 to ℄ 36.56 32.49 I.E. C 4.07	37.19 3717 F0.02		37.19 C 0.25	37.36 372 F0.2@0.3 8.3 to Gut 42.7 to ℄	42.4
+04 30+49± SEWER LATERAL (3)							
					3722 37.11 C 0.11		
30+26.68 B.C. BEGIN FLARE ON SOUTH							
			37.08 3630 F 0.78				
30+20.03 B.C. BEGIN FLARE ON NORTH							
30+00		37.17 36.5 F0.7@1.1 9.1 to Gut 41.1 to ℄	37.00 3697 F0.03		37.05 3698 F 0.07	37.17 370 F0.2@0.3 8.3 to Gut 42.3 to ℄	

		ROUGH	TOP CURB		TOP CURB	ROUGH	
			3950		3946		
32+50		39.61 356 F4.0@6.0 14.0 to Gut 55.0 to ℄	39.44 C0.06		39.44 C0.02	39.61 383 F1.3@2.0 10.0 to Gut 51.0 to ℄	
32+29.97 E.C. END OF FLARE ON NORTH			39.11 3900 F0.11				
					3889		
32+23.32 E.C. END OF FLARE ON SOUTH.					38.87 C0.02		
					3879		
32+00 MIDPOINT	49.2	38.63 359 F2.1@4.1 12.1 to Gut 52.3 to ℄	38.46 3928 F0.19		38.46 C0.33	38.63 375 F1.1@1.7 9.7 to Gut 50.1 to ℄	48.4
					3824		
31+80 B.C. ON SOUTH					38.17 C0.07		
			38.03 3742 F0.21				
31+70 B.C. ON NORTH							
					3787		
31+50	46.0	37.90 354 F2.5@3.6 11.8 to Gut 49.8 to ℄	37.75 3739 F0.36		37.76 C0.11	37.91 377 F0.2@0.3 8.3 to Gut 47.1 to ℄	46.8
					3760		
31+25			37.54 3739 F0.16		37.54 C0.06		

	Rough	Top Curb	Top Curb	Rough
E.C. curb return on 19TH St	41.57 393 F2.3@3.5 11.5 to Gut	41.40 41.25 F0.15	43.15 42.63 F0.52	43.32 409 F2.4@3.6 11.6 to Gut
#2		41.80 41.19 F0.61	42.60 42.42 F0.18	
#1		41.75 41.65 F0.10	42.17 42.05 C 0.12	
33+45.03 B.C. curb return 19TH St	41.72 391 F2.6@3.9 11.9 to Gut 52.9 to ℄	41.55 41.12 F0.43	41.67 41.63 F0.04	41.84 398 F2.0@3.0 11.0 to Gut 51.0 to ℄
33+25		41.11 40.81 F0.30	41.19 40.92 F0.27	
33+00	40.72 375 F3.2@4.8 12.8 to Gut 53.8 to ℄	40.76 40.55 C 0.21	40.59 40.46 F0.13	40.76 393 F1.5@2.3 10.3 to Gut 51.3 to ℄
32+75		40.07 39.99 C 0.08	39.99 39.84 F 0.15	

	ROUGH	TOP CURB		TOP CURB	ROUGH
35+53.03 MEET EXISTING		43.77			
~~35+50~~	~~43.92~~	~~43.75~~		43.90 GRADE	44.4 44.07 C0.3@0.3 8.3 to Gut 49.3 to ℄
35+25		43.79 43.66 C0.13		43.81 43.57 F0.24	
35+00	~~43.74~~	43.57 43.43 F0.14		43.80 43.74 C0.06	45.6 43.91 C1.7@1.7 9.7 to Gut 50.7 to ℄
34+87.03 E.C. CURB RETURN 19TH ST.	45.4 43.69 C1.7@1.7 9.7 to Gut 50.7 to ℄	43.52 43.06 F0.46		43.70 43.65 F0.05	45.5 43.87 C1.6@1.6 9.6 to Gut 50.6 to ℄
#2		43.20 GRADE		44.00 43.65 C0.35	
#1		45.20 42.40 C2.80		43.85 43.18 F0.67	
B.C. CURB RETURN ON 19TH ST.	45.1 41.72 C3.1@3.1 11.4 to Gut	45.04 41.55 C3.49		44.00 43.84	

		ROUGH	TOP CURB		TOP CURB	ROUGH
37+25			44.12 4396 F0.16		44.12 4406 F0.06	
37+00	46.7	463 44.51 C1.8@1.8 9.8 to Cut 48.5 to ℄	4646 44.34 C2.12		4443 44.34 C0.09	44.51 441 F0.5@0.8 8.8 to Cut 47.5 to ℄
36+72.48 E.C.			44.44 4420 F0.24		4454 44.44 C0.10	
36+50 MIDPOINT	48.4	470 44.55 C2.5@2.5 10.5 to Cut 50.9 to ℄	44.38 4420 F0.18		4449 44.38 C0.11	44.55 GRADE AT PROP 8.0 to Cut 48.4 to ℄
36+27.51 B.C. BEGIN FLARE			44.29		44.29 4426 F0.03	
36+23.03 MEET EXISTING			44.21 4413			
36+00	48.9				44.38 44.11 C0.27	447 44.28 C0.3@0.5 8.3 to Cut 49.2 to ℄
35+75					43.98 4394 F0.04	

		ROUGH	TOP CURB		TOP CURB	ROUGH
39+25			39.66 39.52 F 0.14		3984 39.66 C 0.18	
39+00		42.5 40.48 C2.0@2.0 10.0 to Gut 42.0 to ℄	40.31 40.24 F 0.07		4034 40.31 C 0.03	40.48 HOP F0.5@0.8 8.8 to Gut 40.8 to ℄
38+72.49 E.C. END OF FLARE			41.02 40.22 F 0.80		41.02 41.00 F 0.02	
38+50 MIDPOINT	40.5	436 41.71 C1.9@1.9 9.9 to Gut 42.1 to ℄	41.54 40.30 F 1.24		41.54 41.51 F 0.03	41.71 GRADE AT PROP 8.0 to Gut 40.5 to ℄
38+27.52 B.C.			42.06 41.10 F 0.96		42.06 41.93 F 0.13	
38+00	42.3	448 42.82 C2.0@2.0 10.0 to Gut 44.3 to ℄	42.65 42.27 F 0.38		42.65 42.53 F 0.12	42.82 GRADE AT PROP 8.0 to Gut 42.3 to ℄
37+75			43.18 42.80 F 0.38		43.18 43.13 F 0.05	
37+50	44.5	457 43.83 C1.9@1.9 9.9 to Gut 46.4 to ℄	43.66 43.40 F 0.26		43.66 43.44 F 0.22	43.83 437 F0.1@0.2 8.2 to Gut 44.7 to ℄

	ROUGH	TOP CURB		TOP CURB	ROUGH
41+25		34.16 3401 F0.15		3451 34.16 C0.35	
41+00	373 35.08 C2.2@2.2 10.2 to Gut 42.2 to ℄	34.91 3483 F0.08		3497 34.91 C0.06	361 35.08 C1.0@1.0 9.0 to Gut 41.0 to ℄
40+75		3 35.56 3541 F0.15		35.56 3535 F0.21	
40+50	382 36.43 C1.9@1.9 9.8 to Gut 41.8 to ℄	36.43 36.26 C0.17		36.26 3618 F0.08	365 36.43 C0.8@0.1 8.1 to Gut 40.1 to ℄
40+25		3723 36.96 C0.27		36.96 3687 F0.09	
40+00	40.4 37.83 C2.6@2.6 10.6 to Gut 42.6 to ℄	3770 37.66 C0.04		3783 37.66 C0.17	37.83 GRADE AT
39+75		38.36 3829 F0.07		3855 38.36 C0.19	PROP
39+50	412 39.18 C2.0@2.0 10.0 to Gut 42.0 to ℄	39.01 3892 F0.09		3917 39.01 C0.16	39.18 390 F0.2@0.3 8.3 to Gut 40.3 to ℄

	Rough	Top Curb	Top Curb	Rough
43+25		28.52 2836 F0.16	2884 28.52 C0.32	
43+00	315 29.43 C2.1@2.1 10.1 to Gut 42.1 to ℄	29.26 2916 F0.10	29.26 2918 F0.08	308 29.43 C1.4@1.4 9.4 to Gut 41.4 to ℄
42+75		29.91 2987 F0.04	3026 29.91 C0.35	
42+50	330 30.78 C2.2@2.2 10.2 to Gut 42.2 to ℄	30.61 3050 F0.11	3127 30.61 C0.66	321 30.78 C1.3@1.3 9.3 to Gut 41.3 to ℄
42+25		31.31 3103 F0.28	3214 31.31 C0.83	
42+00	344 32.23 C2.2@2.2 10.2 to Gut 42.2 to ℄	32.06 3187 F0.19	3274 32.06 C0.68	335 32.23 C1.3@1.3 9.3 to Gut 41.3 to ℄
41+75		32.76 3272 F0.04	3335 32.76 C0.59	
41+50	358 33.63 C2.2@2.2 10.2 to Gut 42.2 to ℄	33.46 3342 F0.04	3417 33.46 C0.71	349 33.63 C1.3@1.3 9.3 to Gut 41.3 to ℄

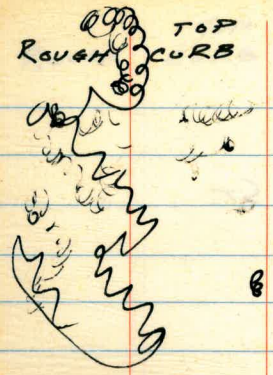
	ROUGH	TOP CURB	TOP CURB	ROUGH	
45+25		22.08 **22.05** C0.03	22.07 **22.05** C0.02		
45+00	241 **23.07** C1.0@1.0 9.0 to Gut 41.0 to ℄	22.88 **22.90** F0.02	**22.90** 22.87 F0.03	259 **23.07** C2.8@2.8 10.8 to Gut 42.8 to ℄	⊖
44+75		23.83 **23.70** C0.13	**23.70** 23.59 F0.11		
44+50	251 **24.67** C0.4@0.4 8.4 to Gut 40.4 to ℄	24.77 **24.50** C0.27	24.70 **24.50** C0.20	275 **24.67** C2.8@2.8 10.8 to Gut 42.8 to ℄	+.2
44+25		25.43 **25.35** C0.08	25.55 **25.35** C0.20		
44+00	267 **26.37** C0.3@0.3 8.3 to Gut 40.3 to ℄	**26.20** 25.70 F0.50	**26.20** 26.11 F0.09	291 **26.37** C2.7@2.7 10.7 to Gut 42.7 to ℄	+.2
43+75		27.22 **27.04** C0.18	27.08 **27.04** C0.04		
43+50	303 **27.95** C2.3@2.3 10.3 to Gut 42.3 to ℄	**27.78** 27.77 F0.01	27.97 **27.78** C0.19	296 **27.95** C1.6@1.6 9.6 to Gut 41.6 to ℄	+.4

			ROUGH	TOP CURB	TOP CURB	ROUGH	
47+25				18.12 17.84 C 0.28	18.20 17.84 C 0.36		
47+00		41.6	18.32 16.4 F1.9@2.9 10.9 to Gut 44.5 to ℄	18.26 18.15 C 0.11	18.22 18.15 C 0.07	19.4 18.32 C1.1@1.1 9.1 to Gut 41.1 to ℄	+.2
46+75				18.50 18.50 GRADE	19.04 18.50 C 0.54		
46+50		40.8	19.07 18.3 F0.8@1.2 9.2 to Gut 42.0 to ℄	19.11 18.90 C 0.21	19.52 18.90 C 0.62	21.3 19.07 C2.2@2.2 10.2 to Gut 42.2 to ℄	+.2
46+25				19.70 19.37 C 0.33	20.18 19.37 C 0.81		
46+00	ANGLE POINT IN CURB ON NORTH.		20.10 20.0 F0.1 at Edge 8.0 to Gut 40.0 to ℄	20.25 19.93 C 0.32	20.17 19.93 C 0.24	22.6 20.10 C2.5@2.5 10.5 to Gut 42.5 to ℄	+.2
45+75				21.01 20.57 C 0.44	20.75 20.57 C 0.18		
45+50			22.1 21.44 C0.7@0.7 9.7 to Gut 40.7 to ℄	21.60 21.27 C 0.33	21.42 21.27 C 0.15	23.9 21.44 C2.5@2.5 10.5 to Gut 42.5 to ℄	+.2

			ROUGH	TOP CURB		TOP CURB	ROUGH	
49+00					chisel +	17.34 16.77 F0.57	17.51 12.5 F5.0@1.5 15.5 to Gut 47.5 to ℄	+0.6
48+75	INLET					17.17		
48+50						17.49 17.22 C0.27	17.39 14.8 F2.6@3.9 11.9 to Gut 43.9 to ℄	-.1
48+25						17.78 17.27 C0.51		
48+04.7	MEET EXISTING			17.42 17.31				
48+00				~~17.44~~		17.70 17.33 C0.37	17.50 15.5 F2.0@3.0 11.0 to Gut 43.0 to ℄	+.5
47+75				17.52 15.60 F1.92		17.86 17.42 C0.44		
47+50		42.14	17.76 16.5 F2.3@3.5 11.5 to Gut 45.9 to ℄	17.64 17.59 C0.05		17.65 17.59 C0.06	17.76 17.2 F0.6@0.9 8.9 to Gut 40.9 to ℄	THAT'S THE SPIRIT! +.4

	Rough	Top Curb		Top Curb	Rough	
51+00				17.21 16 10 F 1.11	17.38 12 9 F4.5@6.8 14.8 to Gut 46.8 to ℄	-0.2
50+75				17.27 15 94 F 1.33		
50+50				17.33 16 36 F 0.97	17.50 12 7 F4.8@7.2 15.2 to Gut 47.2 to ℄	0
50+25				17.39 16 43 F 0.96		
50+00				17.45 16 35 F 1.10	17.62 13 2 F4.4@6.6 14.6 to Gut 46.6 to ℄	-0.5
49+75				17.50 16 21 F 1.29		
49+50				17.54 16 12 F 1.42	17.71 12 5 F5.2@7.8 15.8 to Gut 47.8 to ℄	0
49+25				17.45 16 96 F 0.79		

		ROUGH	TOP CURB		TOP CURB	ROUGH	
53+00					17.21 1568 F 1.53	17.38 129 F4.5@6.8 14.8 to Gut 46.8 to ℄	-0.1
52+75					17.15 1565 F 1.50		
52+50					17.09 1575 F 1.34	17.26 139 F3.4@5.1 13.1 to Gut	-0.4
52+25					17.03 1624 F 0.79	45.1 to ℄	
52+00	INLET				16.97	17.14 130 F4.1@6.2 14.2 to Gut	0
51+75					17.03 1609 F 0.94	46.2 to ℄	
51+50					17.09 1610 F 0.99	17.26 129 F4.4@6.6 14.6 to Gut 46.6 to ℄	0
51+25					17.15 1651 F 0.64		



	TOP CURB	ROUGH	
55+00	18.41 18.12 C 0.29	19.5 18.29 C 1.2 @ 1.2 9.2 to Cut 41.2 to ℄	+0.3
54+75	18.19 17.92 C 0.27		
54+50	17. 17.75 17.47 F 0.28	18.8 17.92 C 0.9 @ 0.9 8.9 to Cut 40.9 to ℄	+0.3
54+25	17.59 16.87 F 0.72		
54+00	17.49 16.40 F 1.09	17.66 12.7 F 5.0 @ 7.5 15.5 to Cut 47.5 to ℄	0
53+75	17.42 15.55 F 1.87		
53+50	17.35 15.64 F 1.71	17.52 13.0 F 4.5 @ 6.8 14.8 to Cut	0
53+25	17.28 15.55 F 1.73	46.8 to ℄	

	Rough	Top Curb		Top Curb	Rough	
E.C. CURB RETURN ON 22ND ST.				2290 21.90 C1.00	22.9 22.07 C0.8@0.8 8.8 to G ut 28.8 to G	-0.3
#2				2167 21.30 C0.37		
#1				2058 20.25 C0.33		
56+07.98 B.C. CURB RETURN 22ND ST.				2065 19.75 C0.90	20.6 19.92 C0.7@0.7 8.7 to G ut 40.7 to G	+0.1
56+00				~~19.55~~		
55+75				1936 19.07 C0.29		
55+50				1875 18.69 C0.06	19.4 18.86 C0.5@0.5 8.5 to G ut 40.5 to G	+0.3
55+25				1860 18.39 C0.21		

	Rough	Top Curb		Top Curb	Rough	
				24.60	25.6	
58+00				24.10 C0.50	24.27 C1.3@1.3 11.3 to Gut 44.3 to ℄	+0.2
57+75				23.64 ~~23.57~~ F0.25		
57+50				23.14 ~~23.00~~ F0.14	24.9 23.31 C1.6@1.6 11.6 to Gut 44.0 to ℄	+0.3
57+25				22.65 22.53 F0.12		
57+07.98 E.C. CURB RETURN 22ND ST.				22.28 ~~22.15~~ F0.13	24.7 22.45 C2.2@2.2 12.2 to Gut 44.2 to ℄	+0.2
#2				22.57 22.20 C0.37		
#1				22.68 22.45 C0.23		
B.C. CURB RETURN ON 22ND ST.				23.34 23.10 C0.24	25.4 23.27 C2.1@2.1 12.1 to Gut 32.1 to ℄	+0.1

		TOP CURB		TOP CURB	ROUGH	
58+88.5	MEET EXISTING			25.61		
58+75				25.51 25.36 C0.15		
58+50				24.97 24.90 C0.07	26.3 25.07 C1.2@1.2 11.26 Cut 447 to E	+0.3
58+25				24.49 24.40 F0.09		

5+02 BC
4+15.91 32° RT

2+74 44.2 RT PCR

STA.	DEF	℄	8' RT	℄ 50'
5+25	359-13-29	23.00	23.22	
5+50	358-22-56	25.00	25.235	47.99
5+75	357-32-23			
6+00	356-41-49			49.99
6+25	355-51-16			
6+50	355-00-43			
6+75	354-10-10			
7+00	353-19-36			
7+25	352-29-03			
7+50	351-38-30			
7+75	350-47-56			
8+00	349-57-23			
8+25	349-06-50			
8+50	348-16-16			
8+75	347-25-43			
9+00	346-35-10			
9+25	345-44-36			
+49.10	344-55-52	24.10	24.335	

359-59-60
12-14-04
347-45-56

74.94
36.00
38.94

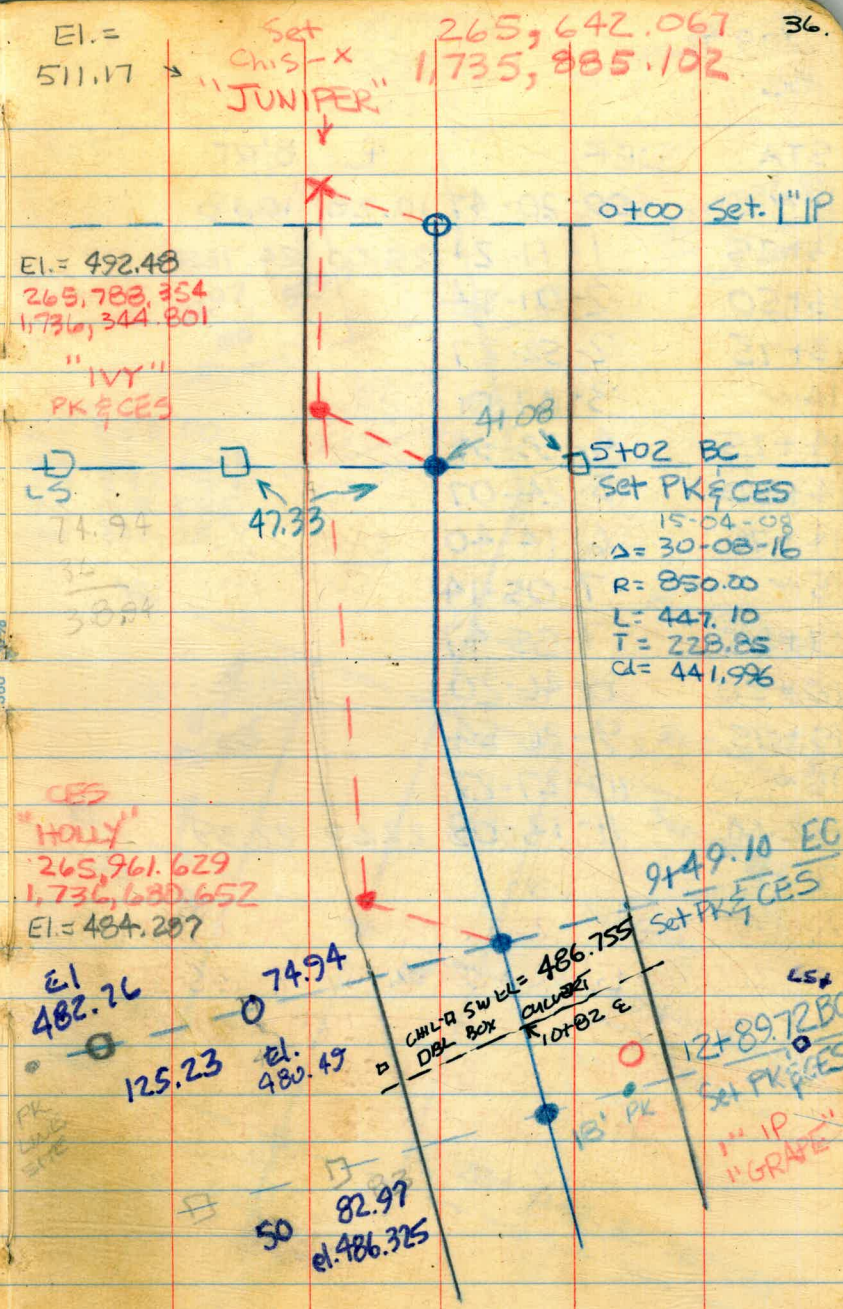
190
254

164

Λ = HOLLY
I = 242-42-34
G = 40-44-51
EC = 41-45-24
99.997

Λ = JUNIPER
I = 72-20-52
14 = 44-02-50
0+00 = 354-08-32
40.21

Λ = IVY
H = 62-42-34
J = 252-20-52
5+02 = 39-21-45
32.593



12+89.72
BC

82.970
47.955
35.015

STA	DEF	℄	8'RT	27°LT
13~	00-20-47	10.28	10.18	10.61
13+25	1-11-21	25.00	24.765	
13+50	2-01-54			51.59
13+75	2-52-27			
14~	3-43-01	50	10.28	
14+25	4-33-34	51.59	X	
14+50	5-24-07			
14+75	6-14-40	51.59	X	
15~	7-05-14	50	10.23	
15+25	7-55-47			
15+50	8-46-20		49.53=50	
15+75	9-36-54			
16~	10-27-27			
+22.60	11-13-08	22.60	22.39	

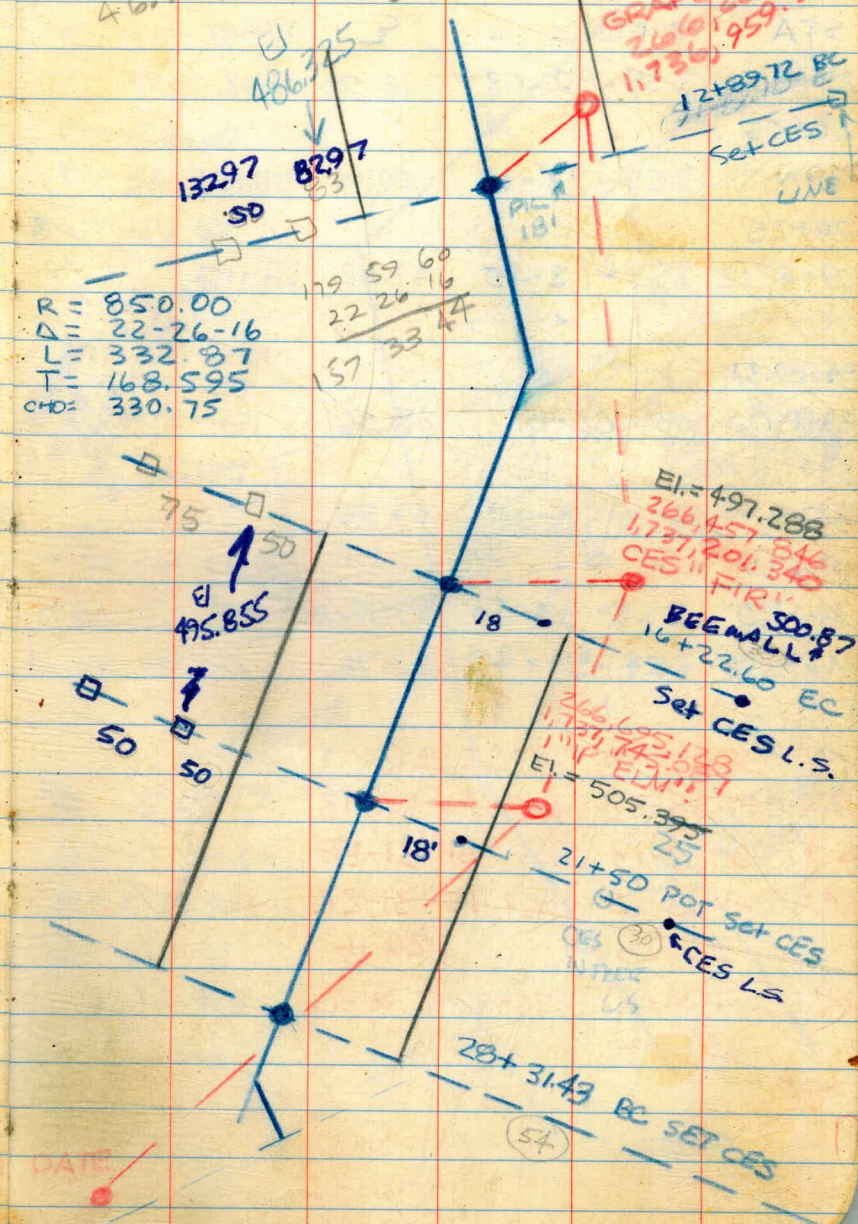
⊼ = GRAPE	⊼ = FIR	⊼ = ELM
H = 220-44-51	G = 234-28-37	F = 246-25-28
F = 54-28-37	E = 66-25-28	D = 69-33-33
12+89.72 BC 103-36-16	EC = 84-11-33	POT = 176-53-36
DIST 28.217	DIST = 59.58	DIST = 26.20

51.59
10.28
41272
10318
51.59

106
50 | 5303452
50
303
300
3

82.97
36.00
46.97

82.97
45.00
37.97



28+
31.43 BC

26-52

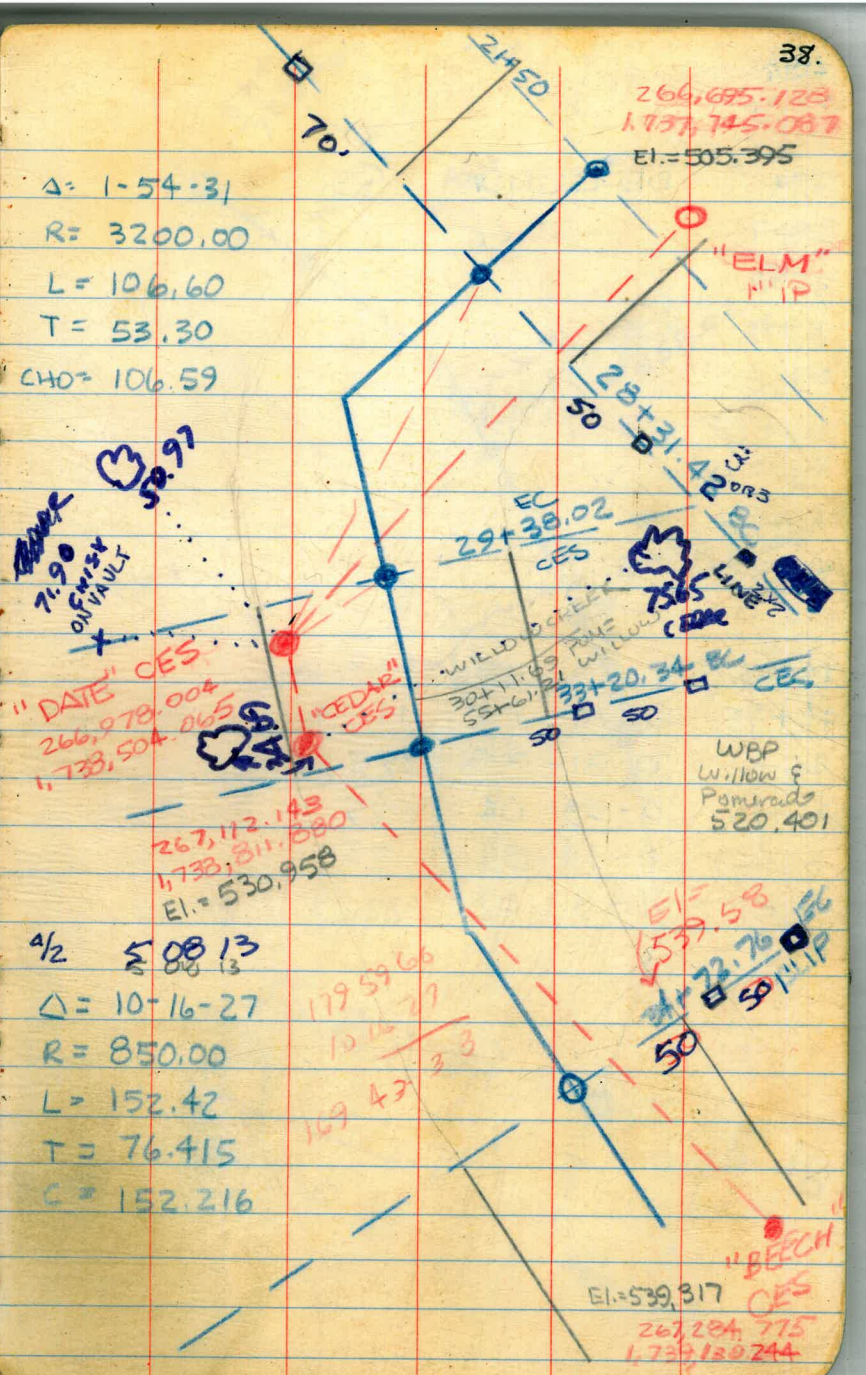
STA	DEFLECTION	℄	8° RT.
28+50	359-50-02	18.58	18.62
28+75			
29~	359-23-10	50.00	50.13
29+25			
29+38.02	359-02-45	38.02	38.115
33+20.34			
33+50	359-00-01	29.66	
33+75			
34~	357-18-55	49.99	
34+25			
34+50	355-37-48	49.99	
34+72.76	354-51-47	22.76	

105-42-00 4/4
~~82-16-30~~
~~5-51-00~~ 1/2
~~21-25-30~~ 1/4
105-42-00
79-16-30 3/4
52-51-00 1/2
26-25-30 1/4

℄ = DATE
E = 249-33-33
C = 66-27-13.
EC = 268-16-15
32.28
BC = 251-14-50
137.04

℄ = CEDAR
D = 246-27-13
B = 61-31-53
BC = 15-31-22
126.16
EC - SAME Az BC
+69.435
℄ = ↑
C = 195-31-22
EC = 74-06-46
125.11

Δ = 1-54-31
R = 3200.00
L = 106.60
T = 53.30
CHO = 106.59



STA	DEFLECTION	℄
38+75		
39~		
39+25		
39+50		
39+75		
40~		
40+25		
40+30.26		
44+63.26		
44+75	0-10-05	11.74
45~	0-31-35	25
45+25	0-53-04	25
45+50	1-14-33	25
45+72.28	1-33-42	22.29

44+63.26
42.79
20.47

18-39-07
15.08

Δ = 3-07-25
R = 2000
L = 109.03
T
C

9809

49+ 49+19.55 BC (50) (00)

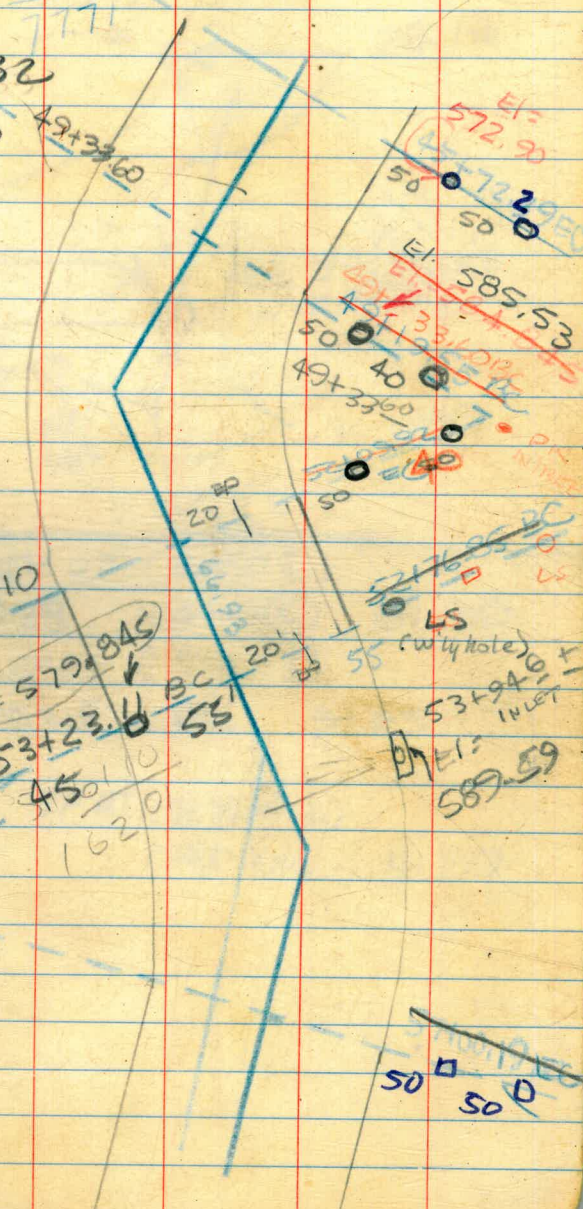
	DEFLECTION	℄
33.60		
49+50	359-45-54	16.40
49+75	359-24-25	25
50~	359-02-56	
50+25	358 41-27	
50+50	358 19-58	
50+75	357 58-29	
51~	357 36-59	
51+25	357 15-30	
51+50	356 54-01	
51+61.10	356 44-28	11.10

55.00
28.25
26.75

4650.00
4572.29
77.71

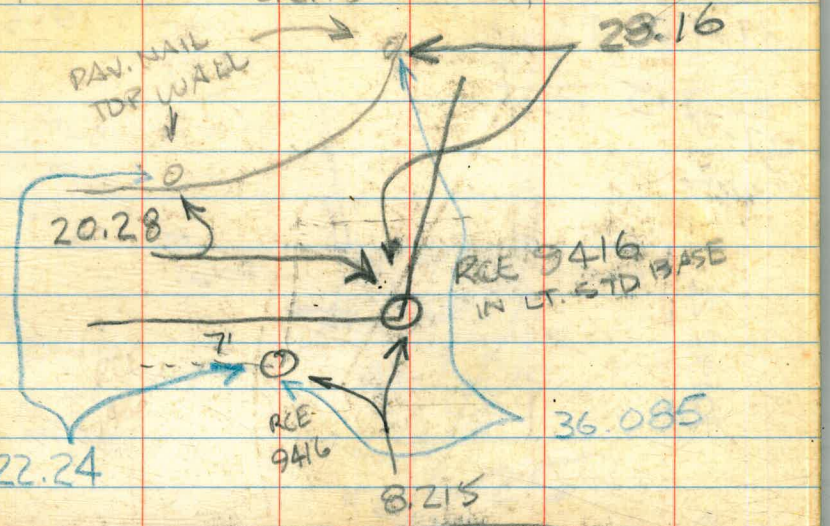
6693

4/2 3.15-32
Δ 6-31-03
R 2000
L 227.50
T 113.88
C



ADDITIONAL TIES

NW COR SCRIPPS PANEL



24+31.42 EP RT (32.00 RT ℄)

24+50 Ⓢ 24.23 24+00 Ⓢ 31.80

27+21.42 EP RT (32.00 RT ℄)

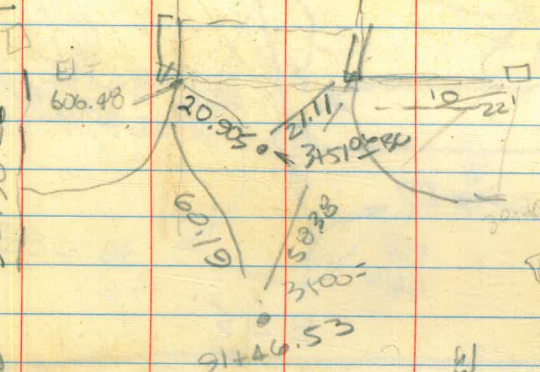
CHLX HDWL 27.215 PK 31.65

28+32.80 EP RT (39.75 RT ℄)

PK 38.70 CHLX HDWL 16.87

87-31-15
65-38-27
43-45-38
21-52-49

87-31-15
30R

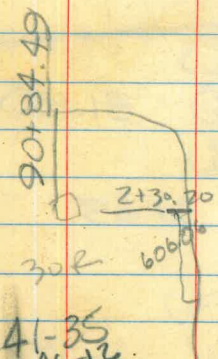


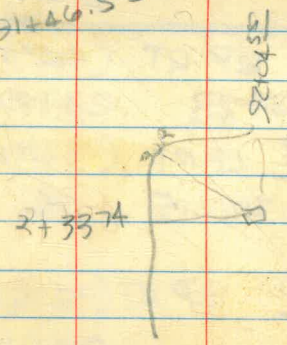
93-18-23
69-58-48
46-39-12
23-19-36

30R
93-18-23
48.86 cd

91+98.38

51.85





274

88-18-25
66-13-49
44-09-13
22-04-36
44-09-13

91-41-35
68-46-12
45-50-48
22-55-24

45-30-47

92-78-22
4/2 46-39-11

2400
1741
6.59

2700
1738
9.62

2700
1041
16.59

2700
1295
1405

2700
1171
5.29

9084.49
8936.53
147.96
83.71
64.25

$\frac{5.5}{30} = \frac{16}{X}$

16
30
480

179 59.60
167-57-05
12 02-55

PHI NAIL
BLK WALL 12 WAY

5.5) 4800 = 87.2
440
400
385
150

92+13.69 BC 1'1P
□ 25 □ 50 ℄

225-00-41
39 40

212 57 36
32 57 34 35

89-30-56
270-28-58
89-30-59

1004.890
4.893
4.890
1004.891

1004.855

12+89.72 BC 214.65
15+07 28.00 LT (R) ℄ TYPE "F" MOD
16+22.69 EC 114.41

65.2 TYPE "B" HEAD WALL
8

12-40-33 (R) to Rt.

8.00 W'ly ℄ EDGE HEADWALL

53+23.11 BC
61+77.84 EC
63+63.72 BC
67+84.60 EC
74+71.18 BC
76+85.17 EC
□ □ 25 □ 50 ℄
LS

π = 1" I.P. P.I.

00 00 34
180 00 34 34

196-19-24 23
16-19-22

179-59
179-60
167 57
12-03

91-06-56
268-53-00
91-06-58

706.127
6.114
6.117
706.985

.119

89-59-44
270 00 10
89-59-47

827.570
7.574
7.567

.570

90-13-48
269-46-12
TO BC

616.610
6.603
6.603

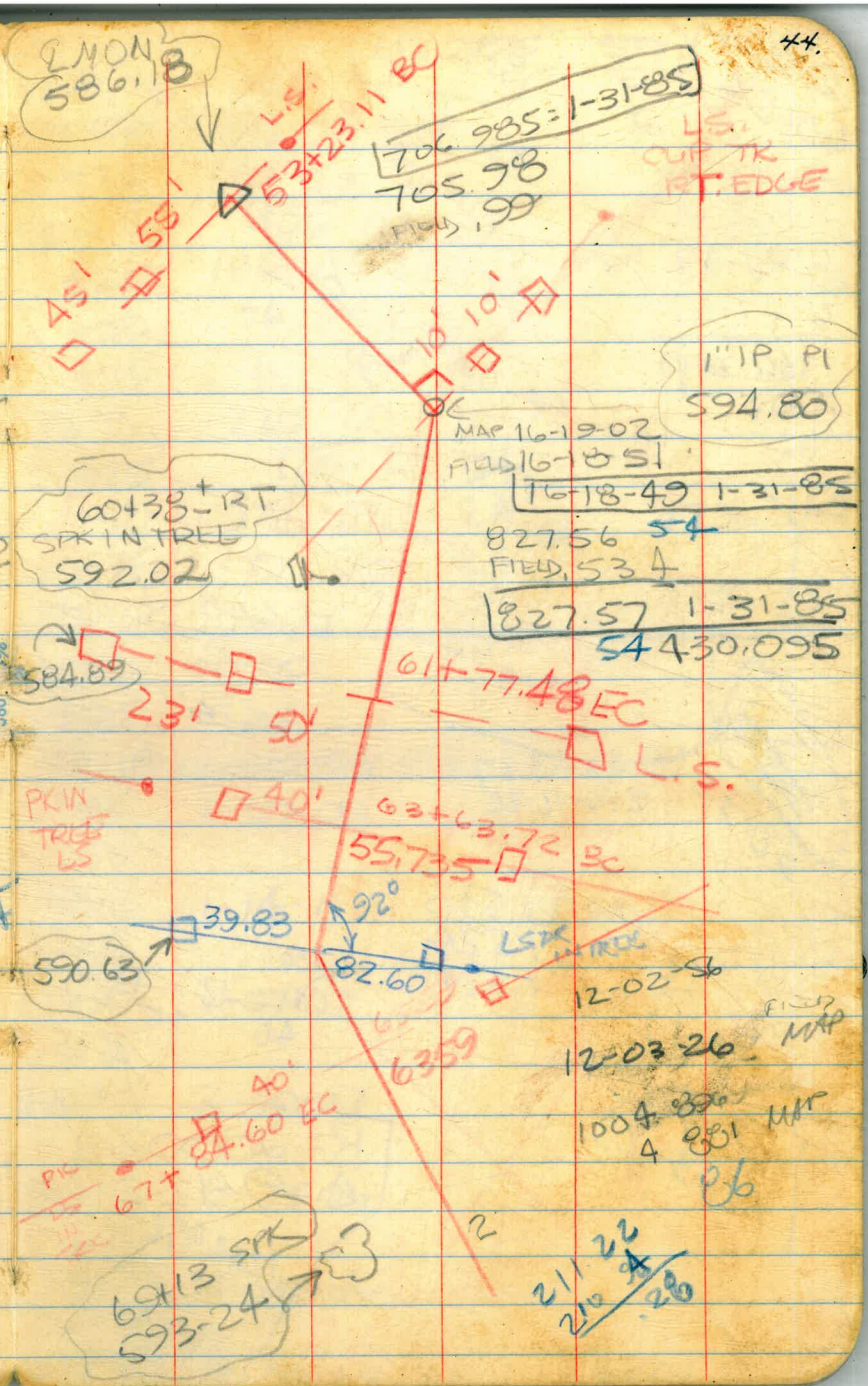
827.56
616.80
827 54
616 60
210 94

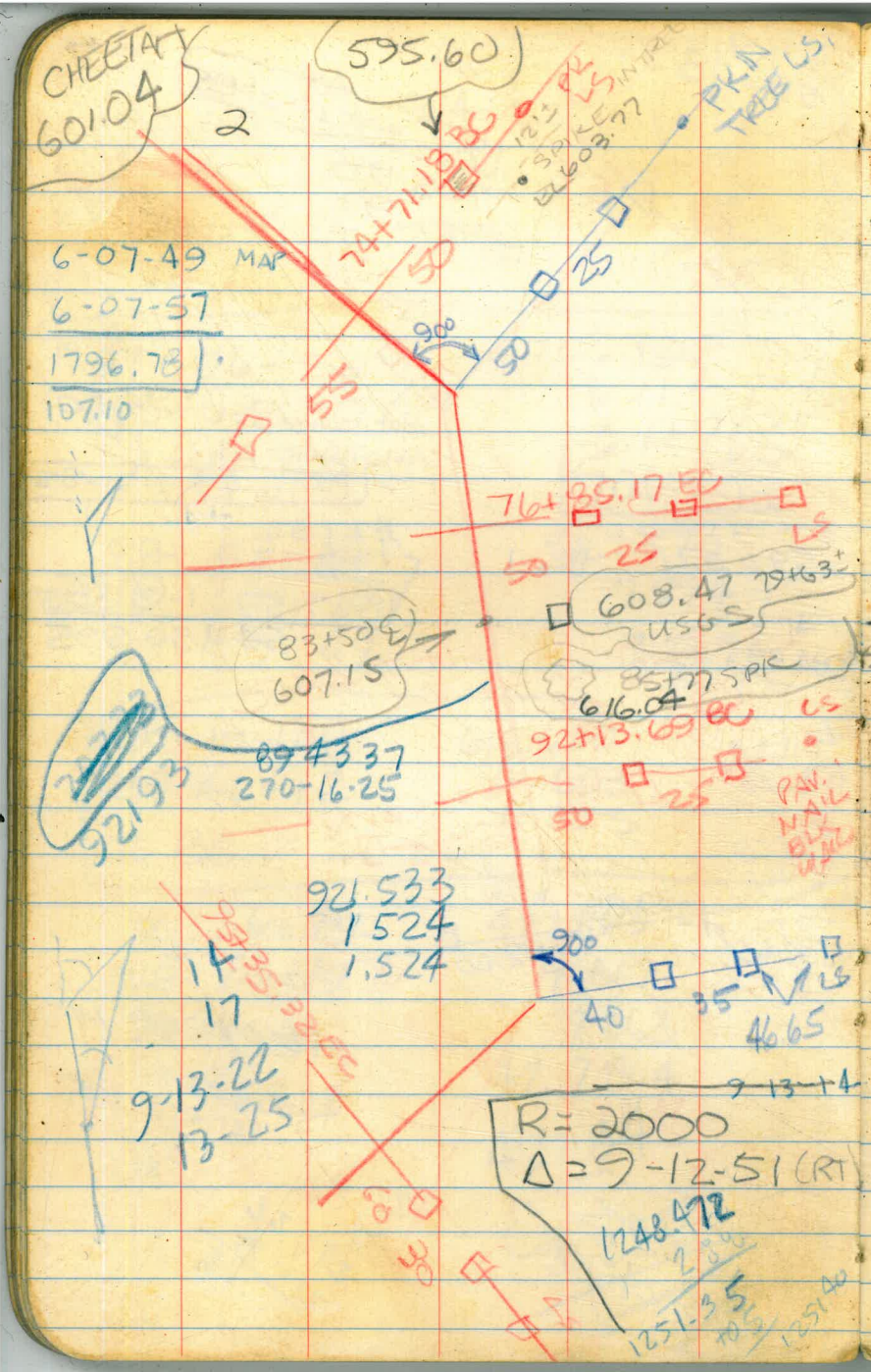
90 36 45
269-23-19
90-36-43

427.863
7.867
7.863
427.864
427.84

00-00-20
180.00 28 29
167-57-26 25
357-57-24 04

2.255





	25 ℄	50 ℄
74+		
71.18 BC	00 00 35	
+75	180 00 31 33	89 39 09
75~	06-07-55	270-20 43
+25	186-05-27 27	89-39-13
+50	06 06 27	
+75	45 00 30	1796.751
76~	225 00 30 30	761
+25	06-07-54	768
+50	231 08 24 24	1796.760
+75	51 08 24	
+85.17 EC		1796.73 .78
92+13.69 EC	00-00	7.55 761
+25		
+37.04	00-20-04	23.81 765
+50	1-57-09	
+75		9-12-49 -55 -08 08
93~	1-14-11	64.19
+25		
+50	1-57-09	50.975
+75		
94~	2-40-07	"
+25		
+50	3-23-06	"
+75		
95~	4-06-04	"
+25		
35 32 EC	4-36-25	36.01

99 N

88-42-02
271-17-58

2RS N Δ12

525.956

.116

BK

92.369
91+46.53

67.16

364.68
161.16
525.84

HNG GRD

526.091
6.095
6.091
526.092

FILL or CUT
OUT
5' RP

161.16
158.67
2.49

HNG GRD

FILL or CUT
OUT
5' RP

3+51.06
24-20-00
12-10-00

147.53 cd

SLOPE STAKES LEFT SIDE 46.

0+00	0+50	1+00	1+50	2+00	2+45
	89 59 60 67 58 25 22 01 35 69-40-00 91 41 35		89 60 20 20 69.40		

3+00	3+50	4+00	4+50	5+82 BC	5+50
	179 59 60 01 41 35 88 18 25				

N 20 20 W

2 x E

N 67-58-25 E

89 55 43
270-04-18

56

1253.829
3.826
3833

$\bar{x}$ NET

TK 00	00	35	31		
PK 180	00	27			
				216-18-06	
GARVEY 216	18	45	37		
136	18	29			
00	00	36	29		
180	00	22	52	82-09-50	
82	10	20	19		
262	10	18			
45	00	24	34		
225	00	44		82-10-03	
127	10	29			
307	10	45	37		
90	00	27	31		
270	00	35		82-10-03	
172	10	33	34		
352	10	35			

x	25
830	850

0+28.24
1 22 01

GARV 1+50 25
2 04 10

x NET 3+54 35
1 78 86

P.KEN 5+33.21

830
25
4150
1660

24.41
850 | 20750 00
1700
3750
3400
3500
3400
1000

⊼ KURT

00	00	32	27	
180	00	22		
			73-12-56	
73	13	30		
253	13	16	23	

⊼ KURT
WIGGINS 89-28-39 47
270-31-05

518.23
8.23
8.23
≈21

297.31
220.97
51828

00	00	31	36	
180	00	41		
			99-23-14	
99	23	50	50	
279	23	50		
45	00	44	60 45	
225	00	46		
			99-23-15	
144	24	00	00	
324	24	00		

25 - 59 - 25
24 - 118 - 85
12 - 59 - 425

269 - 43 - 25
90 - 46 - 25

90 - 16 - 30
(528.25)

529.16
9.17

529.15

---

271 - 18 - 24
88 - 41 - 26
88 - 41 - 31

528.26
8.26
8.24

528.12

W

267 - 16 - 10
92 - 43 - 46

92 - 43 - 48

372.92
2.91
2.91

372.49
371.88
.61

E

272 - 05 - 41
87 - 54 - 13

87 - 54 - 16

372.82
2.82
2.83

372.525

372.525
(371.830)

0.695

99+29.23 BEG. L5-59-48

106+25.59 B.C. CURVE LEFT
R = 22.89
Δ = 25-59-25
Δ/2 = 12-59-42.5
L = 1038.33
T = 528.85

116+63.92 E.C. 21-04-25
TAN. 243.19 21-04-26

118+92.83 ℄ FAIRBROOK ROAD

119+07.11 CURVE LEFT B.C.
R = 2000
Δ = 21-04-00
Δ/2 = 10 = 32-00
L 735.37
T = 371.880

765
115

126+42.48 EC
↑ 2189.37 TAN
148+31.85 BC CURVE RT.
R = 1000
Δ = 27-13-04
Δ/2 = 13-36-32
L = 475.04
T = ~~237.555~~ 242.09

152+49.13 = 2+89.60 SEMILLON BLVD

153+06.89 EC
↓ 215.59
155+22.48 BC CURVE LT.
R 1400
Δ 8-29-04
Δ/2 4-14-32
L 207.31
T 103.85

157+29.79 EC | 158+26.62 MEET LEFT
161+94 MEET RT.

12642.48
11907.11
735.37
367.63
1274.74

1000
75
925 (12)

25 / 2289 = X / 2314
46.25

50/1000 = X/925

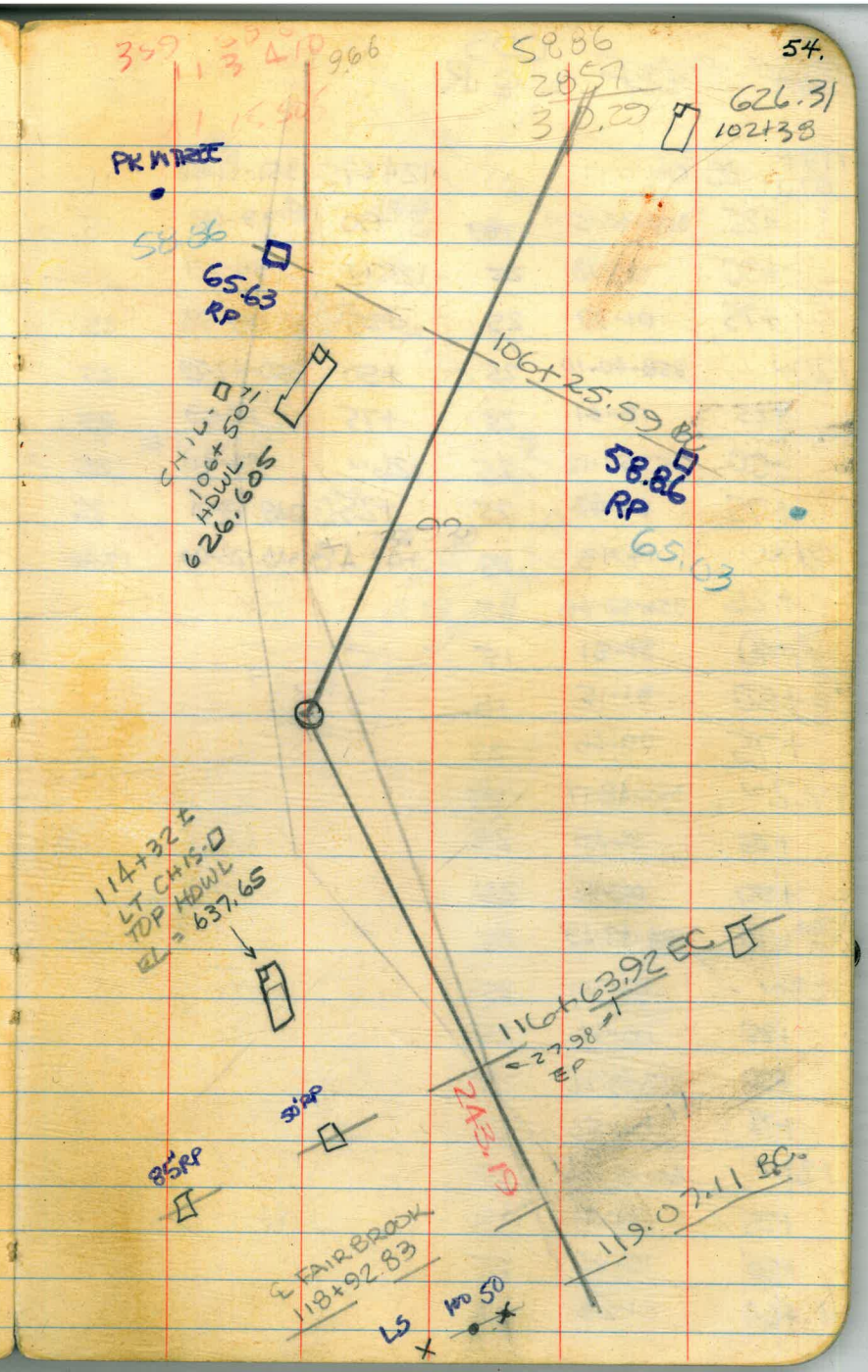
2314
25
11570
4628
57850

24.68
25.27

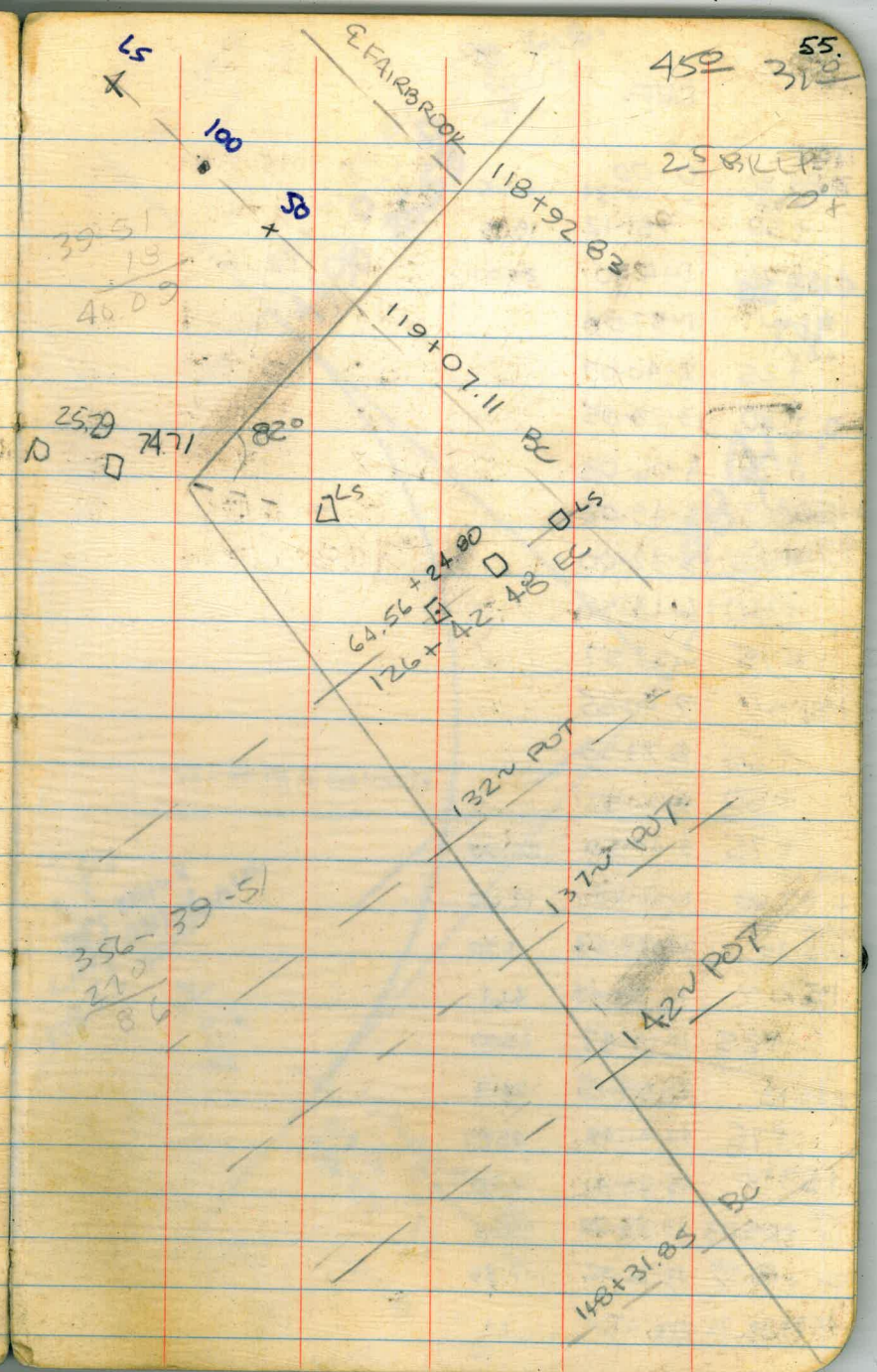
2289) 5785000 (2527
4578
12070
11445
6250
4578
17720
16023
1697

CDS

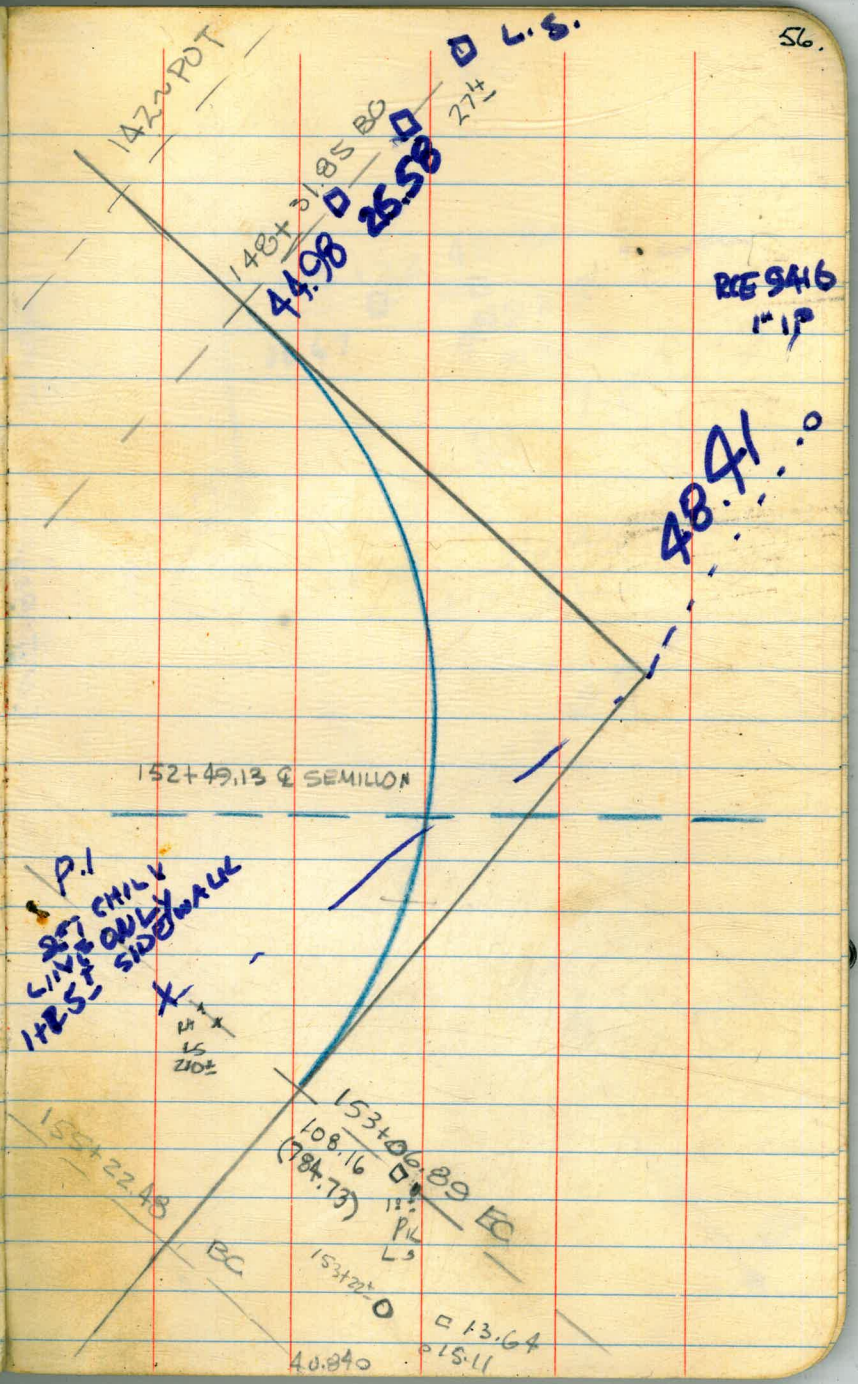
STA	DEF	L & R			
106+25.59 BC	0-00-00		112+25	352-29-53	25.00
106+50	359-41-40	24.41 2416	+50	-11-07	
+75	359-22-54	24.75 25.00	+75	351-52-20	
+90 (DRAIN)	359-11-38	15.00	113~	-33-34	
107~	359-04-07	10.00	+25	-14-48	
+25	358-45-21	25.00	+50	350-56-01	
+50	-26-35		+75	-37-15	
+75	-07-48		114~	-18-28	
108~	357-49-02		+25	349-59-42	
+25	-30-15		+50	-40-56	
+50	-11-29		+75	-22-09	25.00
+75	356-52-43		TRANS: LT. 20' +85	-14-39	9.90 10.00
109~	-33-56		℄ 18' +86	-13-54	1.00
+25	-15-10		115~	-03-23	14.00
+50	355-56-23		+25	348-44-36	25.00
+75	-37-37		TRANS: RT. 20' +50	25-50	
110~	-18-51		+75	07-04	
+25	-00-04		116~	347-48-17	
+50	354-41-18		+25	-29-31	
+75	-22-32		+50	-10-45	25.00
111~	-03-45		+63.22 EC	00-17	13.92
+25	353-44-59				
+50	-26-12				
+75	-07-26				
112~	352-48-40	25.00			

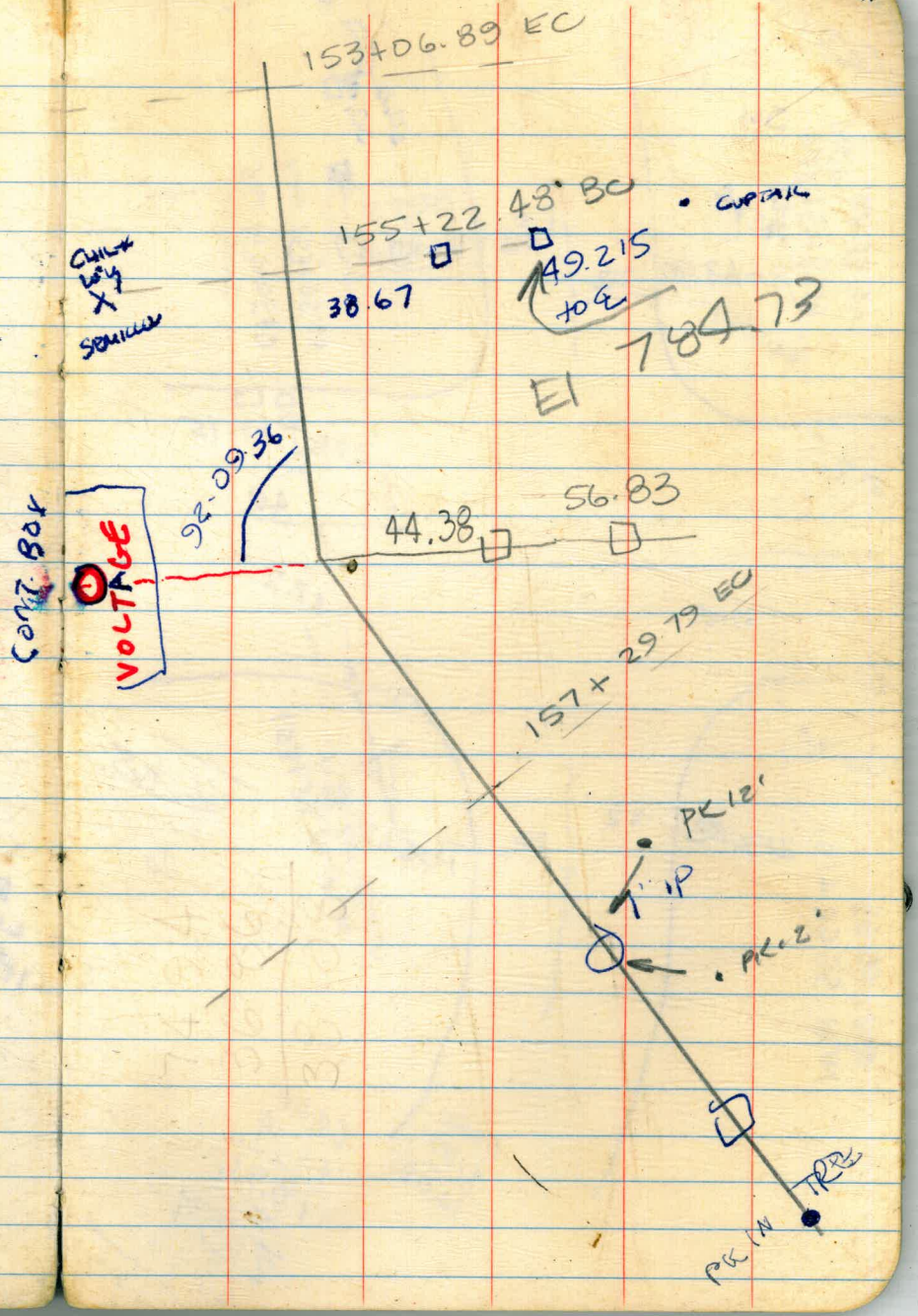


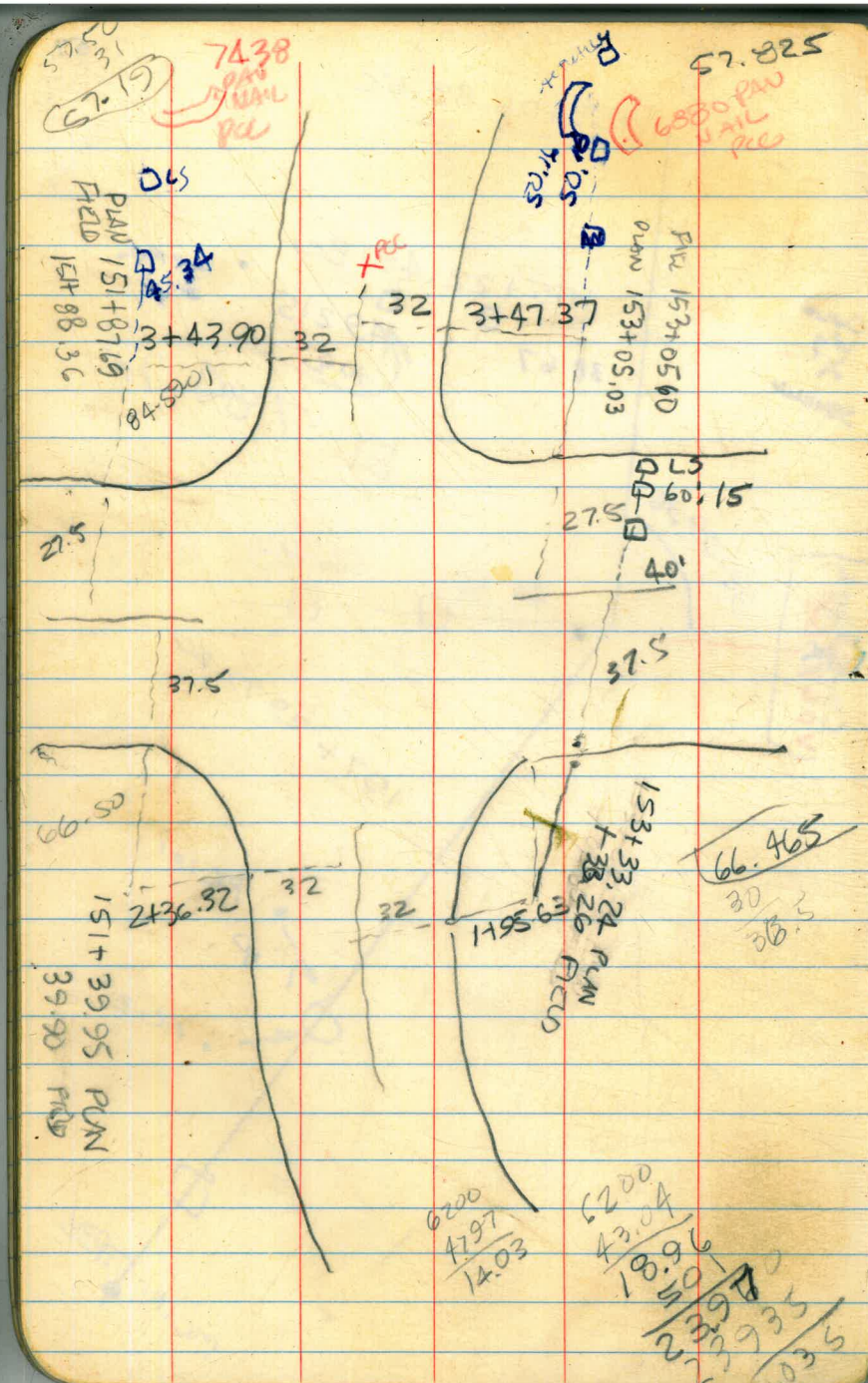
STA	DEF	CDS L E R			
1197 07.11 BC	0-		124+75	351-51-56	11
+25	359-44-37	17.89	END TRANS LT +90	39-09	15
+50	-23-08	25	125~	30-27	10
+75	01-39	25	+25	08-58	25
120~	358-40-10	25	+50	350-47-29	25
+25	18-41	25	+75	25-59	25
+50	357-57-12	25	126~	04-30	25
+75	35-43	25	+25	349-43-01	25
121~	14-13	25	EC +42.48	349-28-00	1748
+25	356-52-44	25			
TRANS LT +40	39-51	15			
+50	31-15	10			
+75	09-46	25			
122~	355-48-17	25			
+25	26-48	25			
+50	05-18	25			
END TRANS PT +75	354-43-49	25			
123~	22-20	25			
+25	00-51	25			
+50	353-39-22	25			
+75	-17-53	25			
124~	352-56-24	25			
+25	-34-54	25			
+50	13-25	25			
CURVE +64	01-23	14			

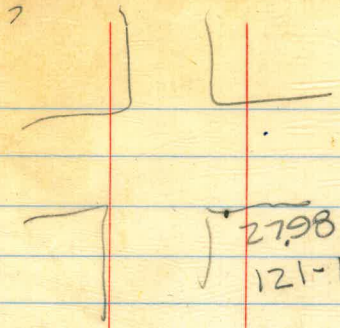


	DEF.	L CDS & R
148+31.85 BC	0-00	
+38	0-10-34	6.15
+50	-31-12	18.15
+75	1-14-10	25.00
149 ~	1-57-08	
+06.11 +25	2-40-07	
+50	3-23-05	
+75	4-06-03	
150 ~	4-49-02	
+25	5-32-00	
+50	6-14-58	
+75	6-57-57	
151 ~	7-40-55	
+25	8-23-53	
+50	9-06-52	
+75	9-49-50	25.00
BCR LT +87.69	10-11-39	12.69
BCR RT +95.39	10-24-53	7.70
152 ~	10-32-48	4.61
+25	11-15-47	25.00
℄ SEMILLON +49.13	11-57-15	24.13
+75	12-41-43	25.87
153 ~	13-24-41	25.00
ECR LT +05.03	13-33-20	5.03
EC +06.89	13-36-32	1.86
153+33.24 ECR RT.		




153+06.89 EC
155+22.48' BC
CUPTAIL
CHILK LOG X SEMICLE
38.67
49.215 to ℄
El 784.73
92-09.36
44.38
56.83
CONT. BOX
VOLTAGE
157+29.79 EC
PK 12'
IP
PK 2'
TREE
PK IN

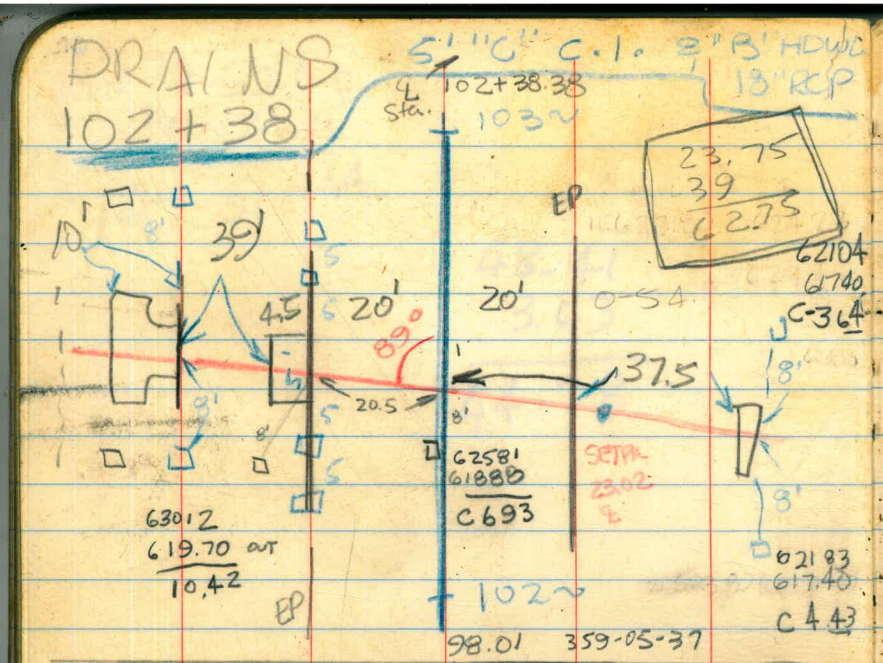


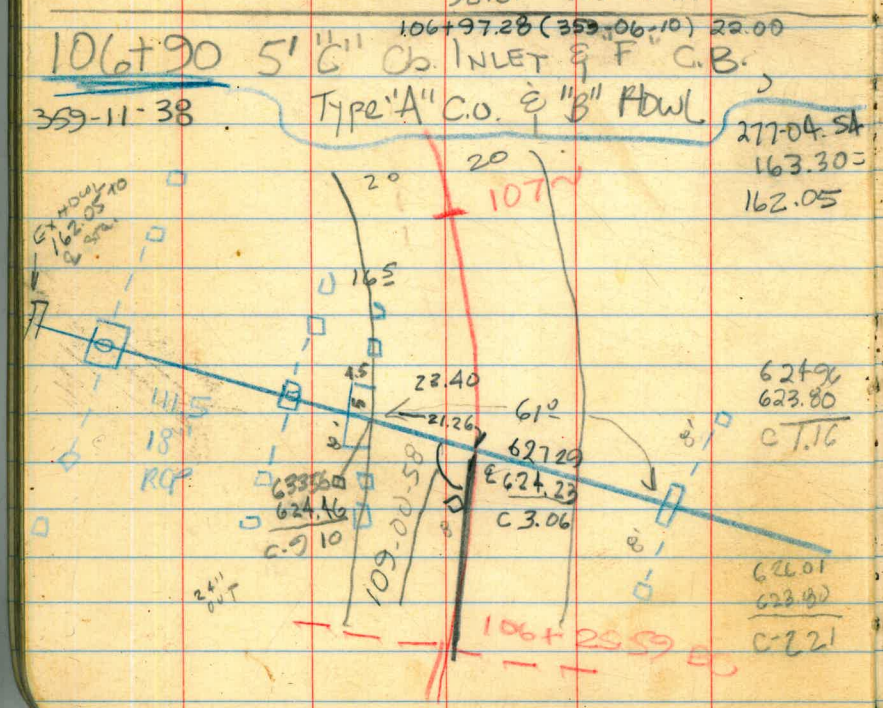


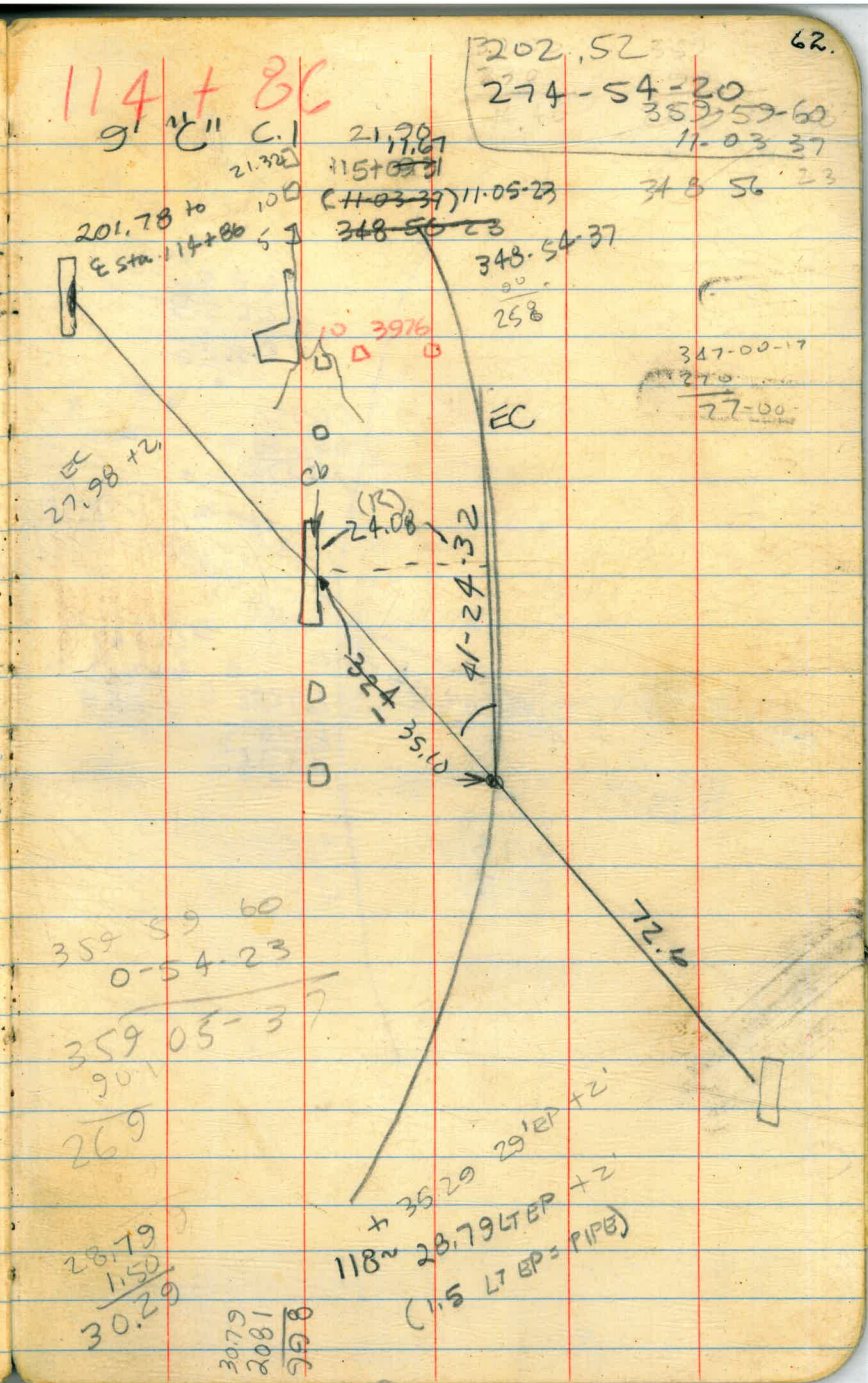
27.98
121-11-37

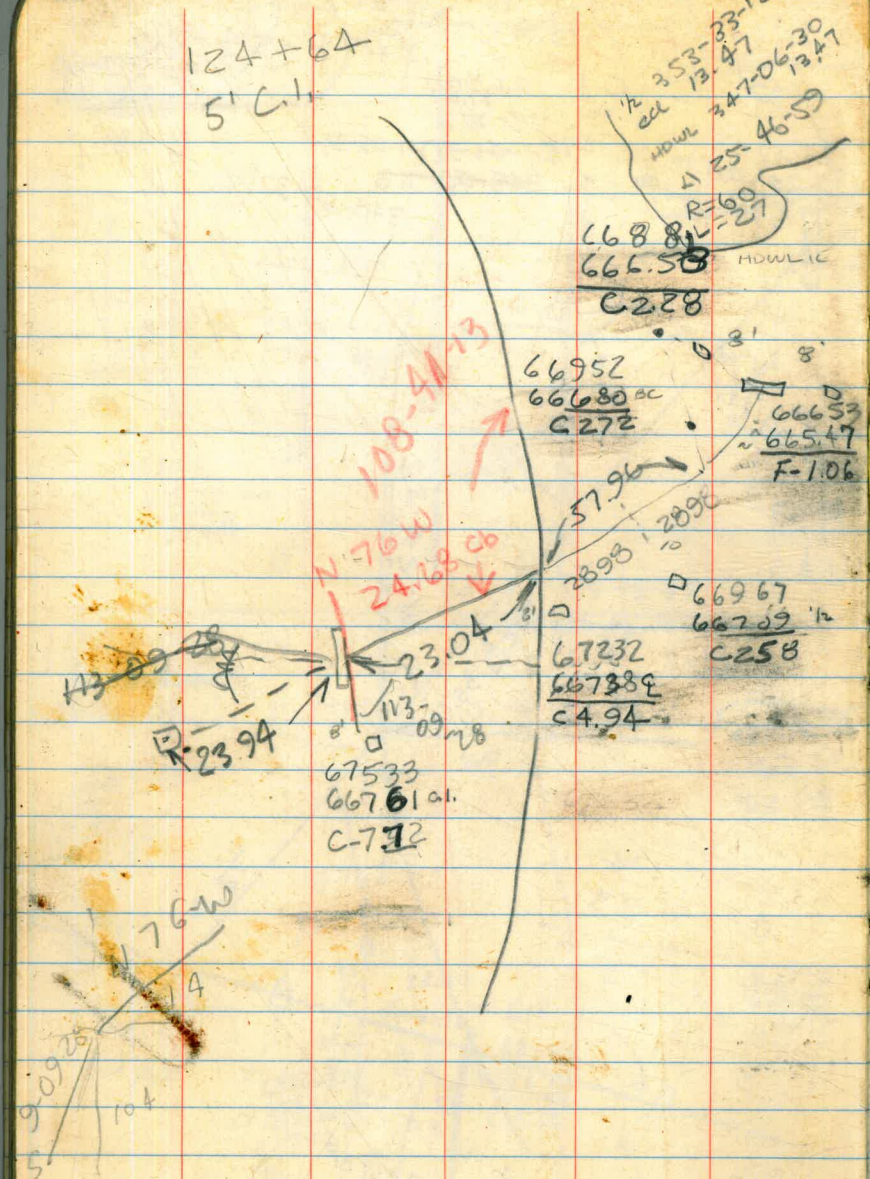
179·59·60
30·08·16
149·51·44

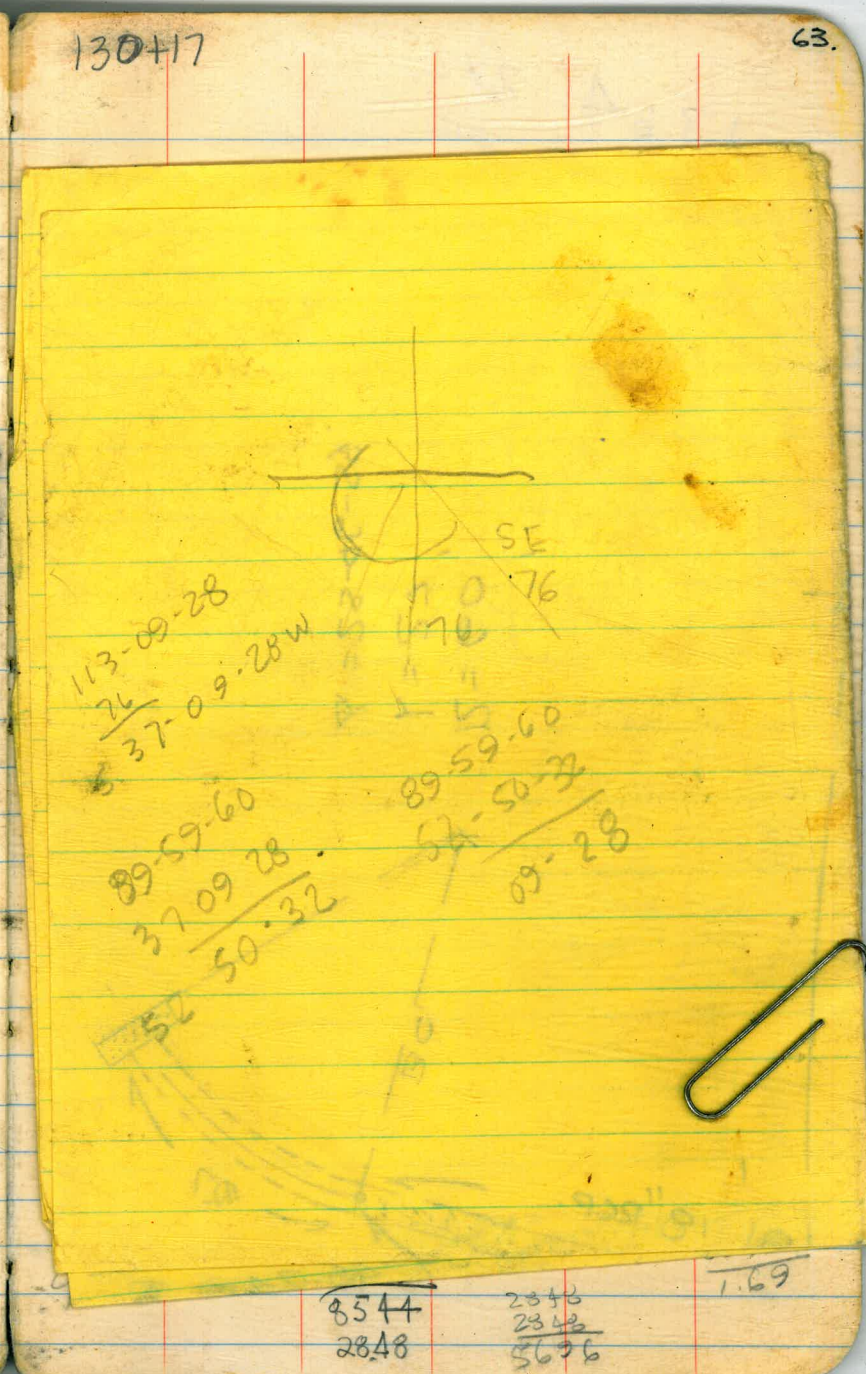
48.41
3.63
44.78

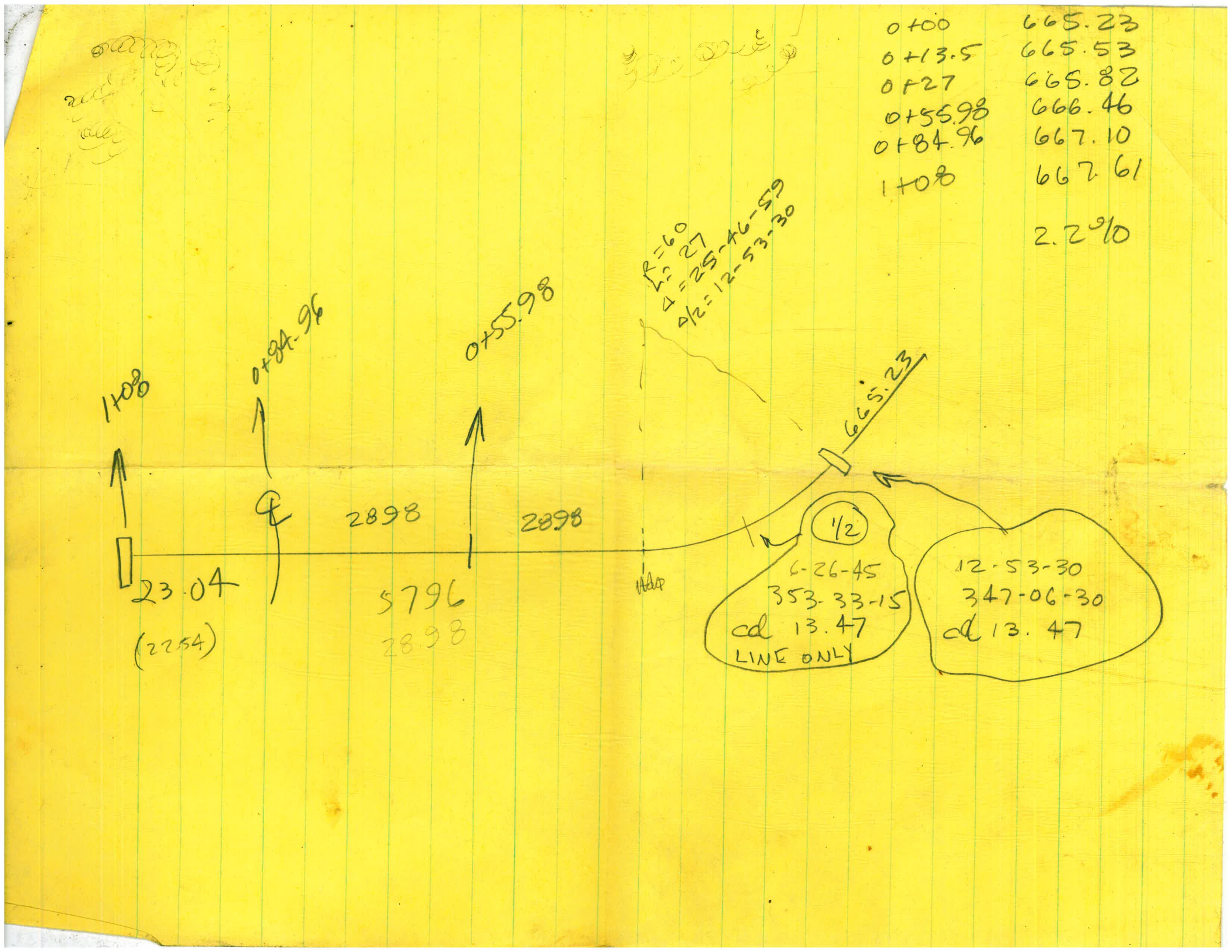

DRAINS
102+38
5' "C" C.I. 8" "B" HDWL
18" RCP
℄ Sta.
102+38.38
103~
23.75
39
62.75
EP
10'
8'
39'
4.5
20'
20'
0-54
89°
37.5
20.5
8'
62104
61740
C-3.64
62581
61888
C693
SETPK
23.02
℄
63012
619.70 OUT
10.42
EP
102~
62183
617.40
C4.43
98.01
359-05-37


106+90 5' "C" Cb. INLET & "F" C.B.
Type "A" C.O. & "B" HDWL
359-11-38
277-04.54
163.30=
162.05
20
107~
Ex HDWL to 162.05 ℄ Sta.
16.5
23.40
21.26
61°
627.29
℄ 624.23
C 3.06
624.96
623.80
C 1.16
63356
624.46
C-9.10
109-00-58
24" OUT
626.01
623.80
C-2.21
106+25.59 EC


114+86
9' "C" C.I.
202.52
274-54-20
359-59-60
11-03-37
348-56-23
21.90
11.67
115+03.31
(11-03-37) 11-05-23
348-56-23
348-54-37
258
201.78 to
℄ Sta. 114+86
10
3976
347-00-17
270
77-00
EC
27.98 +2
Cb
(R)
24.08
41-24-32
324
35.10
72.6
359 59 60
0-54-23
359 05-37
90
269
+35.29 29' EP +2'
118~ 28.79 LT EP +2'
(1.5 LT EP = PIPE)
28.79
1.50
30.29
30.79
2081
998


124+64
5' C.I.
1/2 353-33-15
13.47
HDWL 347-06-30
13.47
Δ 25-46-59
R=60
L=27
668.8
666.58
C2.28
HDWL 1C
66952
66680 BC
C272
66653
665.47
F-1.06
57.96
2898
108-41-13
N 76 W
24.68 Cb
23.04
66967
66709 1/2
C258
67232
66738 ℄
C4.94
113-09-28
R-23.94
113-09-28
67533
66761 C.I.
C-7.72
76-W
14
9-09-28
104


130+17
63.
SE
76
113-09-28
76
37-09-28W
89-59-60
37 09 28
50.32
89-59-60
52-50-32
09-28
8544
2848
2848
5696
1.69

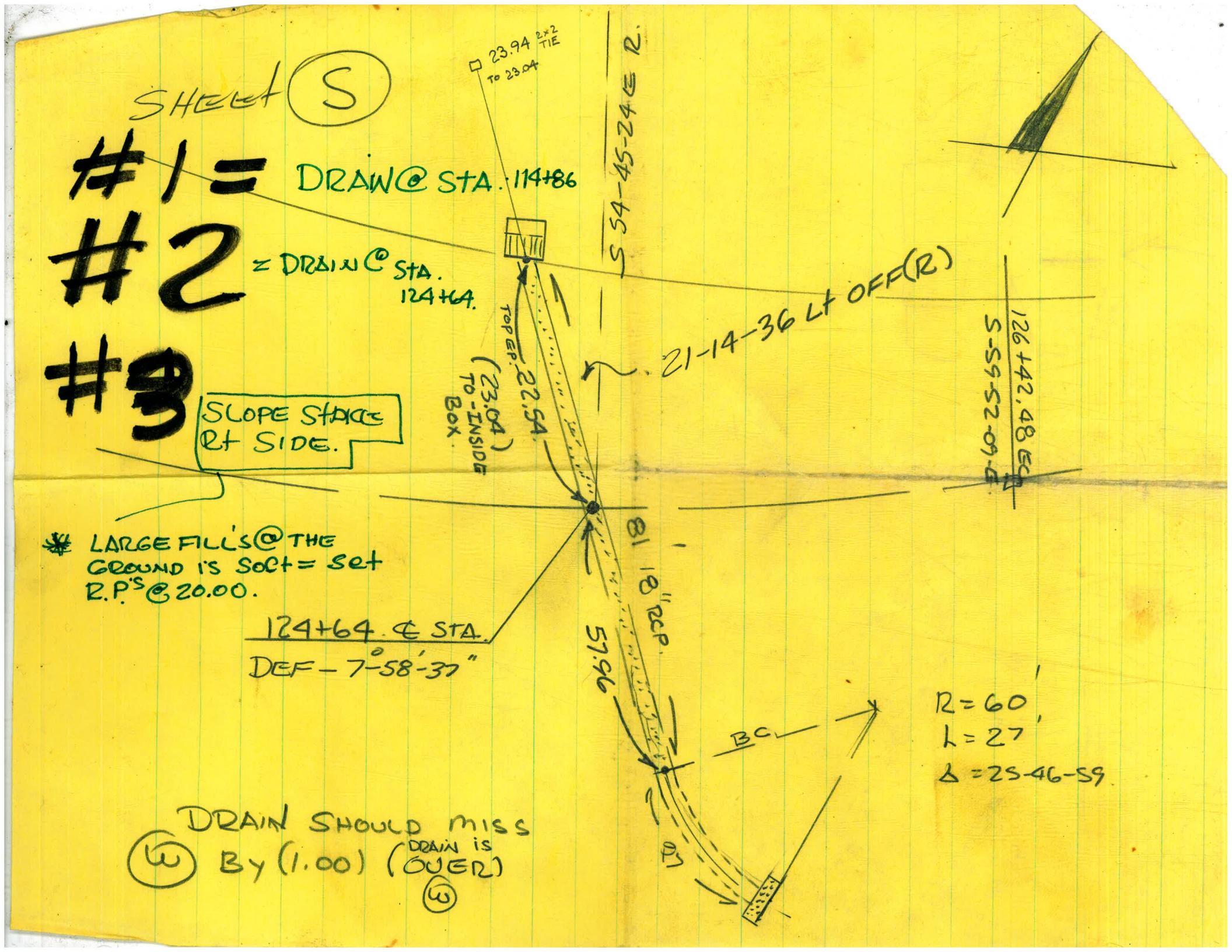

0+00
665.23
0+13.5
665.53
0+27
665.82
0+55.98
666.46
0+84.96
667.10
1+08
667.61
2.2%
R=60
L= 27
Δ=25-46-59
Δ/2=12-53-30
1+08
0+84.96
0+55.98
665.23
2898
2898
23.04
(2254)
5796
2898
1/2
6-26-45
353-33-15
℄ 13.47
LINE ONLY
12-53-30
347-06-30
℄ 13.47

SHEET (S)

#1 = DRAIN @ STA. 114+86

#2 = DRAIN @ STA. 124+64.

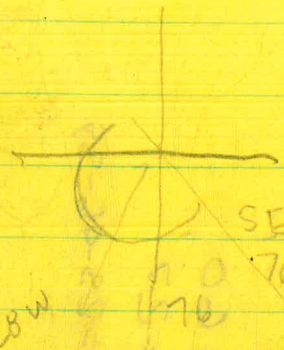
#3 SLOPE STAKE Rt SIDE.



* LARGE FILL'S @ THE GROUND IS SOFT = SET R.P.'S @ 20.00.

124+64. ℄ STA.
DEF - 7°-58'-37"

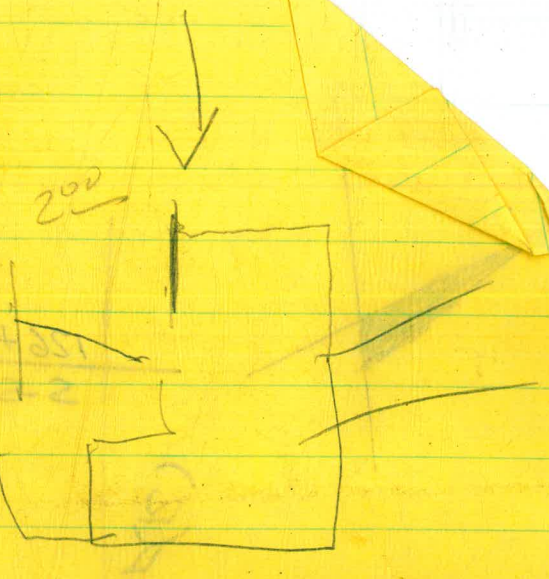
DRAIN SHOULD MISS (W) BY (1.00) (DRAIN IS OVER) (S)



113-09-28
76
37-09-28 W

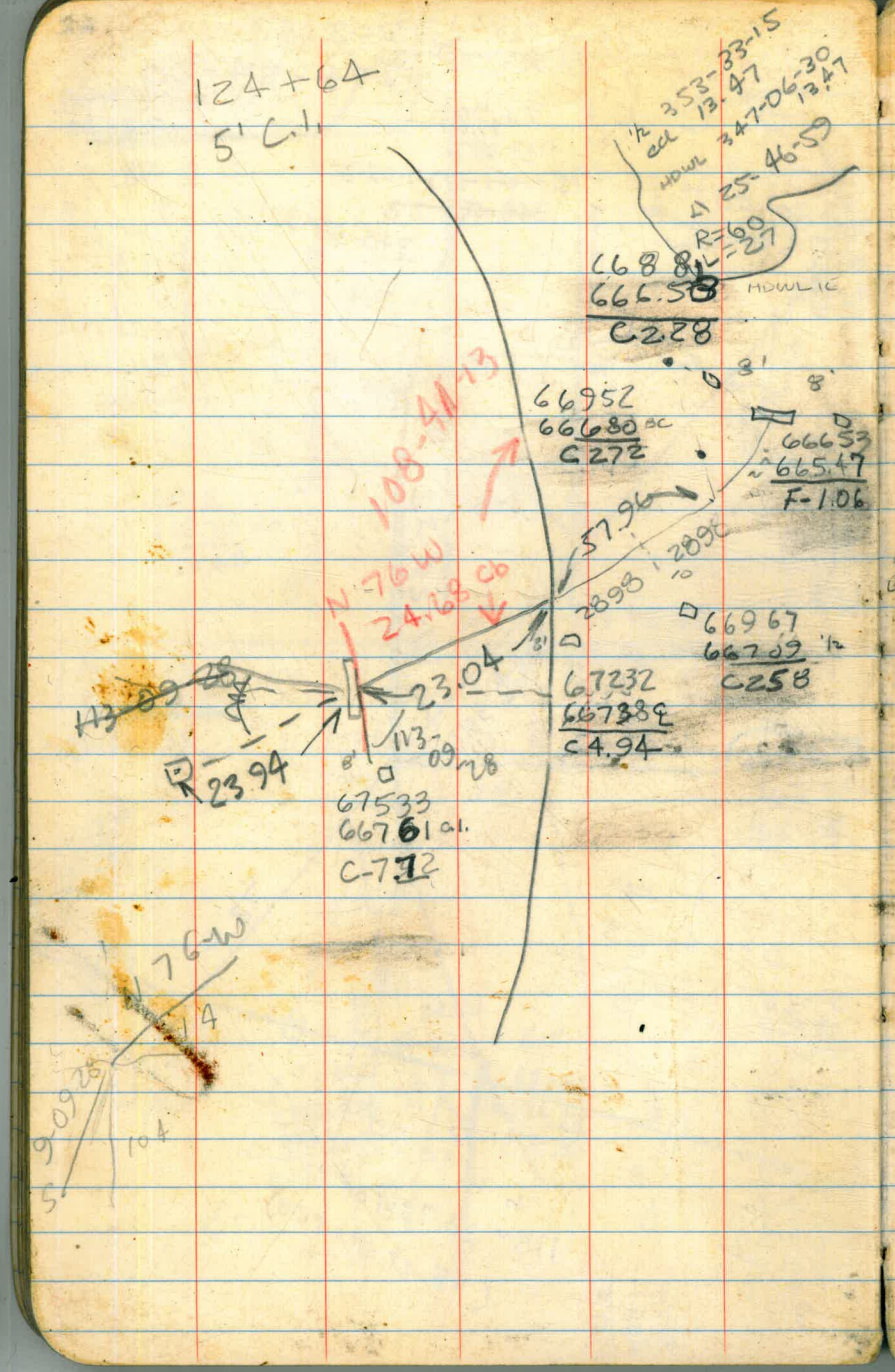
89-59-60
37 09 28
50 32

89-59-60
52-50-32
09-28

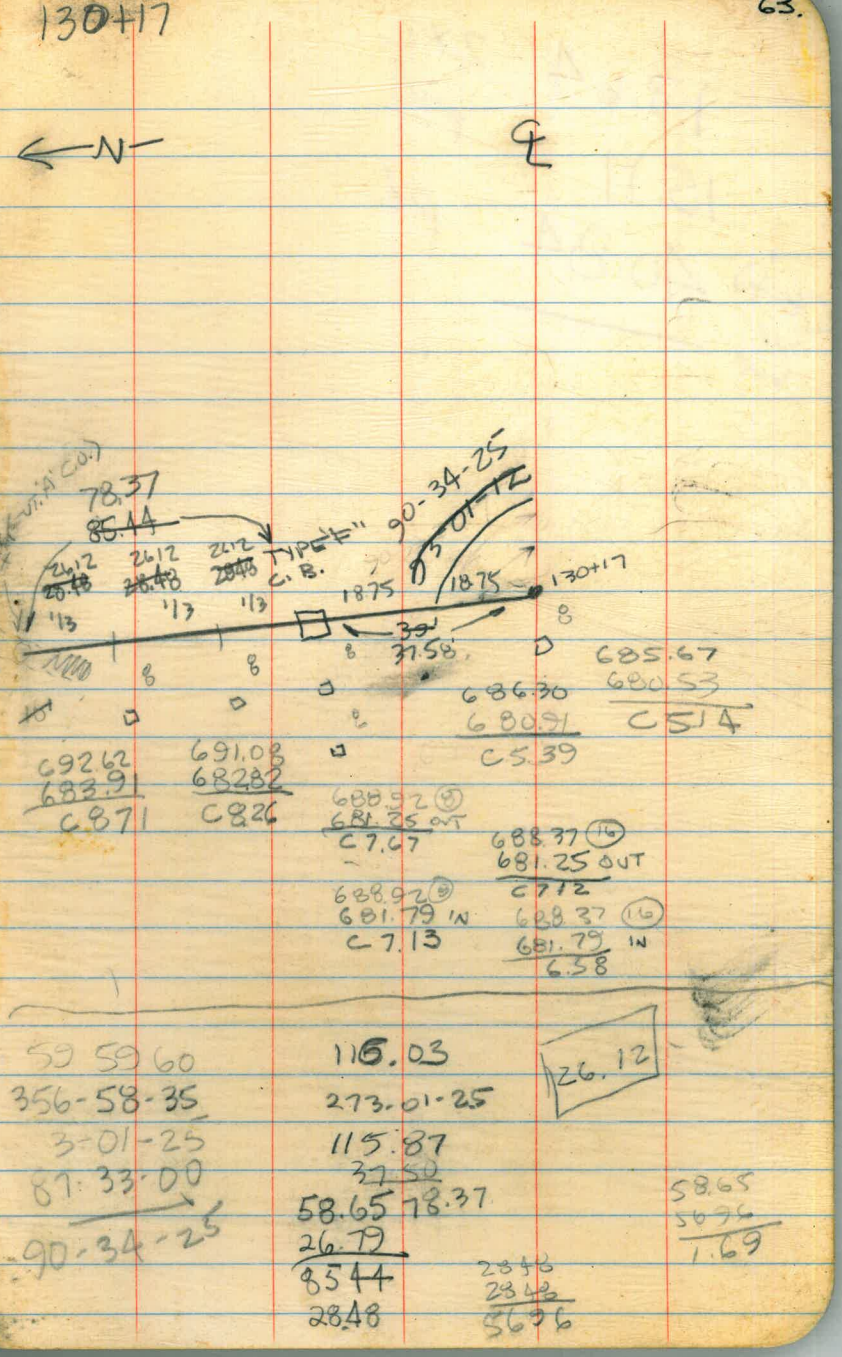


124+64

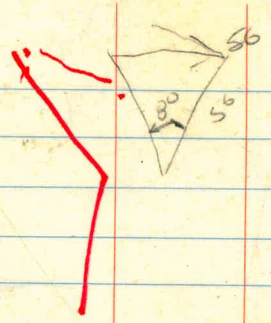
5' C.I.



130+17



13.64 2x2
15.11 pk
(6.4) from base 40.84 pk



87-53-10

56.74

276-34-15

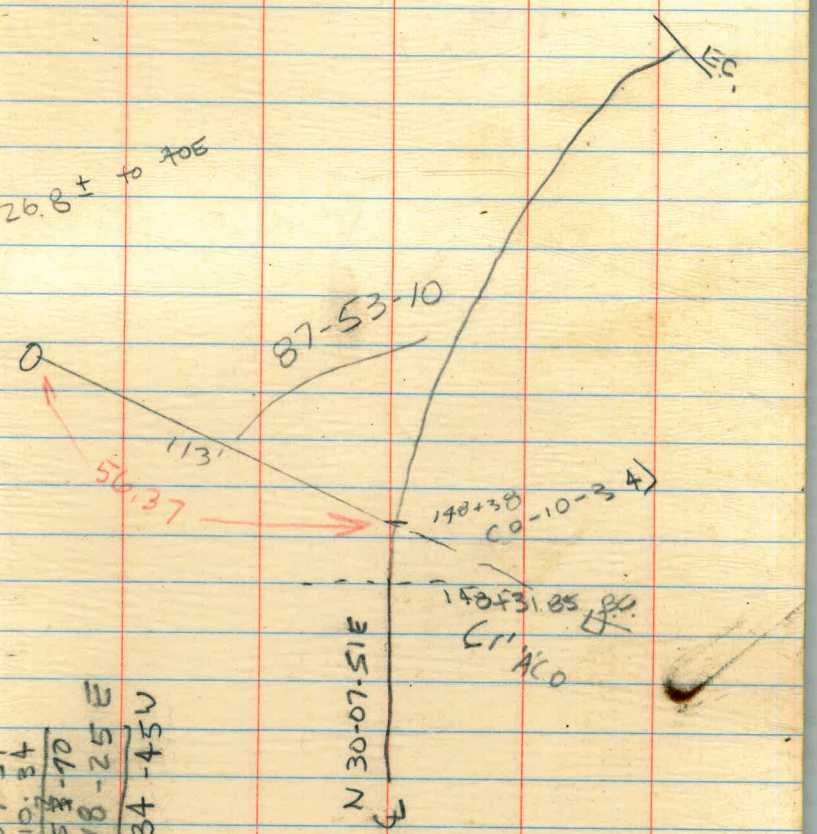
56.37

73.94

107-54-40

70.4

126.8± to TOE



30-07-51	87-53-10	N 47-34-45W
0-10-34	30-18-25 E	

146+75
130+25
1650

359 59 60
11 34 10
18 25 50

4+99.70 EC 12-10-00

3+78 C.O. 2-12-18

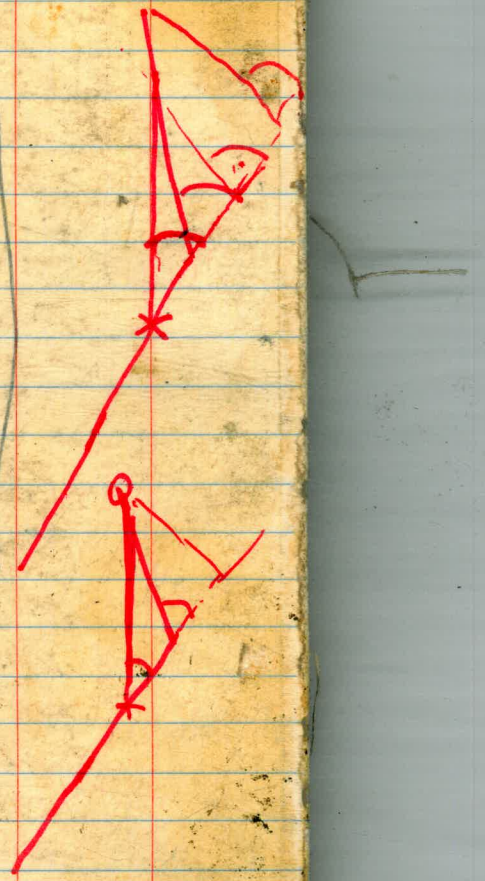
⊼ DATE ⊕ CEDAR

153-51-04 EP BCR RT 29+68.32
25.36

204-42-51
39.05

193-41-23 50.00 RP 29+38.02 ℄EC
47.72

763.361
1.766
65127
4808
60.319 = "N"
4705
65024

72369
+ 326
726950

1	0 65	726295
2	1325	725625
3	295	72400
4	1405	2545
5	1215	25735
6	226	2475
7	1355	25115
8	207	24975