

NAME Highland-Division

Class _____ Course _____ Party _____
Construction.

512

1933

FIELD NOTES

No. 403 P

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

Division 21

- bundles

Sta.	N. Curb	S. Curb	
30+34.06	8.78	+0.7	
30+00	9.76	+1.0	
29+70	10.64	+2.3	
29+60	11.08	+2.5	
29+55.97			11.12
29+50	11.79	+2.8	
29+40	12.65	+2.6	
29+00	16.69	+1.9	16.43 +3.1
28+79.25	18.78	+2.7	
N. Ret	19.00		
28+61.35			20.10 +4.0

6.91	- 0.50		
5.93	- 0.57		
5.05	+ 0.38		
4.61	- 0.05		
			4.57
3.90	- 0.46		
3.04	- 0.60		
2.45	- 0.80	- 0.13	9.71
2.26	- 0.38		
2.16	+ 2.41		
		- 0.17	6.04

Duncan Street

Sta	Grades N. Cut		S. Cut			
28+43.56	21.47	+4.4	—	—	4.17	- 0.08
Ret. N.	21.07		—	—	5.07	+ 0.61
28+43.35	—		21.49	+2.6		- 0.25
Ret. S.	—		21.78			+ 0.41
28+21.35	22.35	+5.0	—	—	3.99	+ 0.25
28+19.35	—		22.26	+2.6		- 0.30
Ret. S.	—		22.55			+ 0.49
28+00	22.71	+5.6	22.50	+2.8	3.43	+ 0.08
27+50	23.56	+4.6	23.17	+2.3	2.58	- 0.14
27+06.35	24.30	+3.4	23.65	+0.7	1.24	- 0.37
Ret. N.	24.60		—		1.54	- 0.46
" S.	—		23.65			- 0.47
26+06.35	25.91	+2.9	23.68	✓		
Ret. South	—		—			

Duncan Street

Sta.	Grades		S. Cont.				
	N. Cont.						
25+90.90	26.17	+2.1					
25+62.57	Ret. on Alley	26.50			5.96	-0.45	
25+13.37	26.16	✓			6.30	+0.27	
25+50			25.46			25+50 = 25.40 - 0.19	
25+00	27.94	✓	27.03	(26.97-W)	4.54	+0.17	25+00 = 26.97 - 0.10 1.59
24+50	29.61	(29.89)	28.60	(28.43)	2.85	+0.17	24+50 = 28.54 - 0.15
24+06.33	S. Ret.		29.96				24+08.33 = 29.86 + 0.28
Ret. to alley			30.26				
24+00	31.28	✓			1.18	+0.01	
23+89	31.65						
23+86.33	S. Ret.		30.59	✓			23+82.33 = 30.70 + 0.17
Ret. to alley			30.89				

Division Sheet

Seeds

Sta.	N. Curb	S. Curb					
23440	33.02 ✓	32.00 ✓					$23440 = 32.00 = +0.41$
23400	34.18	33.23 (33.44)		8.32	+0.02		$23400 = 33.23 = +0.50$
22450	35.63 (35.84)	34.76 (34.93)		6.87	+0.28		$22450 = 34.76 + 0.29$ 1.90
224021 (N. Ref. Alley)	37.01	36.23		5.49	+0.47		
21487.44 (Ret. N.)	37.44			5.06	+0.52		
(Ret. North)							
21486.35 (Ret. S.)		36.72 ✓					$21488.13 = 36.63$ Grade
(Ret. South)		37.02 ✓					
21466.35 (Ret. South)	38.05	37.23 ✓		4.45	-0.01		$21462.14 = 37.28 + 0.18$
		37.53					
21400	39.04 /	38.33 ✓		3.46	+0.13		$21400 = 38.33 + 0.18$
20450	39.79	39.16		2.71	-0.19		$20450 = 39.13 + 0.23$

Quinn Street
grades

	N. Cut	S. Cut
20+06.20	N. Ret. 4043 ✓	39.88
	Ret. on Anthony 4060	
19+66.35	Ret. S. —	40.54 ✓
	Ret. on S. Alley —	40.84
19+46.35	S. Ret. —	41.00 ✓
	Ret. on S. Alley —	41.34
19+46.10	Ret. N. 41.27 ✓	
	Ret. to Anthony N. 41.27	
19+00	41.97 ✓	41.90 ✓
18+50	42.73 —	42.83 —
18+25.57	43.10 ✓	43.30 (42.97)
18+13.57	N. Ret. 43.28	43.47
17+50	44.26	
17+44.44	S. Ret. 44.34	44.47 ✓
	Ret. to S. Alley —	44.67

South Cut

207	check	20+00 = 39.96 + 0.09
		19+67.94 = 40.49 + 0.10
		19+41.94 = 41.08 - 0.05
1.23	check	
7.75	+ 0.26	19+00 = 41.89 = -0.02
6.97	+ 0.19	18+50 = 42.83 = +0.10
6.60	+ 0.17	(5/13) 18+25.57 = 43.30 = grade
6.47	+ 0.17	18+00 = 43.65 = -0.14
5.44	+ 0.17	
		17+47.75 = 44.38 = grade

Summer Street.

-5%

grades
N. Cont S. Cont =

17+24.44	3. Ret			44.64
Ret to S. alley				44.84
16+94.94	n. Ret	45.11		45.18
Ret. to 40th N.	N. N			
16+34.94	n. Ret.	46.09	✓	46.25
Ret. to 40th N.	46.01			
16+00		46.73		46.88 ✓
15+50		47.65	47.57	47.78
15+26.94	Ret. n.	48.06		
15+24.44	Ret. S.			48.22
Ret. S. alley				48.44
15+12.94		49.02		

17+21.75 = 44.69 = +0.25

4.59 Check (17+00) = 45.09 = Grade

3.61 check (16+50) = 45.98 = +0.02

2.97 - 0.07 16+00 = 46.87 = +0.05

2.05 - 0.06 15+50 = 47.77 =

1.64 + 0.53

0.68 + 0.04 15+27.44 = 48.17 + 0.14

		George St	
		Grades	
Sta.		N. Cont	S. Cont
1704.44	S. Ret.	_____	48.81
	Ret. to S. Alley	_____	49.01
14+50		53.84	57.63
14+04.94	N. ret.	57.28	55.79
	Ret. to 41st (N.)	57.93	_____
13+44.94	Ret. N.	59.29	_____
	Ret. to 41st N.	59.11	_____
13+42.44	Ret. S.	60.20	60.20
12+92.44	Ret. S.	62.35	62.94
12+36.94	Ret. N. Alley	65.51	66.10

Small Ret. 66.88

		N. Cont		S. Cont	
	Ret			49.02 = +3	
	17+01.44 =			47.21 = +73	
215	-0.22	54.64	-0.09		
371	check = 376	14+00 = 56.14 = +0.03			
1.70	check 175				
		check Ret = OK.			

Deer Pt.

Grades

Sta	N. Cont	S Cont
12422.90	66.39	_____
12400	67.73 <small>2.91</small>	68.19
11450	70.64	71.01
11449.6	N. Ret. 72.68	_____
	Ret. to Main (N) 73.70	_____
11400	S. Ret. _____	73.68
	Ret. to ally (S) _____	73.88
10482.00	Ret. S. 75.23	_____
	Ret. to ally (S) 75.43	_____
10454.94	Ret. N. 73.44	-0.2 75.44
	Ret. to M.F. (N) 73.70	_____

Division H

Sta.	grades		S. Cont.
	N. Cont.		
10+45.44 = End Wall	72.88		74.32
10+40	72.56	+0.8	—
10+30	71.93	+1.3	—
10+20	71.19	+1.1	—
10+10	70.34	+0.5	—
10+00	69.40	0.0	74.74
	67		
9+40	68.35	-0.4	—
9+00	67.20	-1.0	—
9+42.05 Ret. 2	—		74.00
Ret. to ally (S)	—		74.20
9+28.04	61.00	-2.0	—
Ret. to CH (N)	60.73		—

Ret. Wall

Cuts.			
-1.0	(217)	73.55	-0.33
	(249)	73.28	+1.17
	(314)	72.60	+1.84
	(386)	71.86	+2.42
	(471)	71.01	+3.22
	(565)	70.07	+3.44
	(670)	69.02	+3.66
	(785)	67.87	+4.12
	(1405)	61.67	+3.47

Sta	Grades		H. Cont	S. Cont
9422.05	Ret. S.	—	—	73.66
Ret. to Alley (S.)	—	—	—	73.86
9400.	—	—	—	73.21 +2.1
8770.	—	—	—	72.95
8488.54	Ret. N.	58.70	- $\frac{4\sqrt{10}}{10}$	—
Ret. to Coll. N.	59.36	—	—	—
8480	—	—	—	72.50 +29
8470	—	—	—	71.89
8460	—	—	—	71.11 +29
8450	54.08	-0.3	70.17	—
8440	—	—	—	69.05 +45
8400	48.08	+0.4	64.25	+4.0

- 2.4 15.18 48.75 +3.56

426 59.37 +2.26

9.18 54.75 +3.18

Sta.		Lands			
		N. Cont	S. Cont		
7159.36	N. Ret.	43.50	+0.2	59.50	+4.5
Ret. to 4 th (N)		42.10	—	—	—
7100		—	—	52.25	+5.4
6199.36	Ret. N.	39.20	-4.6/10	—	—
Ret. to 4 th (N)		40.10	—	—	—
6190		—	—	51.14	—
6180		—	—	50.20	+7.0
6170		—	—	49.44	—
6160		—	—	48.85	+7.0
6150		34.62	-2.3	48.44	—
6140		33.80	—	48.20	+7.2
6130		33.19	-1.2	—	—

Ret W.

-4.2	8.64	43.87	+3.43
-4.1			
	12.44	39.87	+0.93
-3.5			
-3.5			
-3.8			
-4.1			
-5.1	8.87	35.29	+1.86
-5.6	8.69	34.47	+1.58
	9.30	33.86	+2.39

13
29
82

Summer It.

Sta	Trade		S cont	
	N cont			
6+20	32.75	—	47.90	+7.0
6+10	32.53	-17	47.86	—
6+00	—	—	48.04	+6.1
5790	—	—	48.44	—
5780	—	—	49.07	+5.6
5722	32.03	—	—	—
Ret. to ally (N)	31.83	—	—	—
5750	—	—	51.26	+5.8
5748 n. ret.	32.48	-17	—	—
Ret. to ally (N)	32.28	—	—	—
5740	32.90	—	—	—
5730	33.60	-24	52.23	+7.7

Ref. W.

42
15
58

-66	103 ^v 11.32	33.4 ^v	+2.93 ^v
-63	11.96	33.40 ^v	+3.30
-60			
-63			
-61			
	12.13	37.70 ^v	+3.59
-47			
	11.01	33.15 ^v	+3.69 ^v
	10.59	33.57 ^v	+4.32 ^v
-29	9.87	34.27 ^v	+4.26 ^v

Sta.	Division of		S cut		Ret Wall		
	N. cut	holes					
5+20	—	—	53.37	—	-20		
5+10	—	—	53.81	—	-1.4		
5+00	36.00	-1.6	54.06	+8.7	-0.8	749	36.67 +4.22
4+90	—	—	54.12	—	-0.3		
4+80	—	—	53.98	—	-0.4		
4+70	38.40	-1.3	53.65	+5.2	-0.9		39.07 +4.64
4+60	39.04	—	53.13	—	-1.5		39.71 +4.25
4+50	39.36	-1.2	52.41	+3.5	-2.1	(413)	40.03 +3.80
4+40	39.34	—	51.50	—	-2.6	(411)	40.01 +3.91
4+30	39.01	-0.6	50.40	+3.6	-2.3	(448)	39.68 +3.94
4+20	38.36 ₆₇	—	—	—	—	(513)	39.01 +3.77
4+10	37.35	+0.7	—	—	—	(654)	38.02 +4.03

Division St

Sta.	S. Grades		I. Curb	
	N. Curb			
1/400	—	—	46.80	+3.4
3+70	32.75	-15	—	—
3+60	31.69	—	—	—
3+50	30.84	-17	40.80	+3.0
3+40	30.13	—	—	—
3+30	29.64	-23	38.40	—
3+20	29.29	—	37.29	+2.6
3+10	29.15	-24	36.35	—
3+00	—	—	35.60	+2.2
2+90	—	—	35.04	—
2+50	28.86	-14	33.05	+2.4
2+10	—	—	31.09	+4.1
2+09.50	28.65	—	31.07	—

Ret Wall

—	—	—	-1.0
(1074)	33.44	+3.33	
(1180)	32.36	+3.68	
(1267)	31.49	+3.82	-1.1
(1336)	30.80	+3.86	
(1387)	30.29	+3.66	-1.5
(1427)	29.96	+3.37	-1.0
(1434)	29.84	+2.96	-0.6
			-0.9
			-0.8
(1387)	29.54	+1.14	-0.2
(407)	29.32	+2.44	-1.7

Dunbar Street

sta.		heads n. cut		cut	
2100	Ret. n.	28.60	-0.6	30.72	
	Ret. to alley (n)	28.40			
1790				30.60	+54
1480	Ret. n.	28.60	-0.5	30.70	
	Ret. to alley (n)	28.40			
1470				30.99	+55
1450		29.63	-0.5	31.85	+53
1400		31.35	-0.7	34.01	+38
0440	n. Ret.	33.40	-1.9	36.61	
	Ret. to Alley (n)	32.56			

Dunham St.
Retaining Wall Grades

Sta.	Grade		Rad.	
10+45.14	78.20	76.3✓	-1.80	1.88
10+00.		75.7✓	-1.9✓	2.46
9+92.05		75.00	-2.01	3.20
9+22.05		74.66	-1.85	3.54
9+00		74.21	-1.16	4.00
8+90		73.95	-1.16	4.25
8+80		73.50	-1.04	4.70
8+70		72.89	-0.95	5.31
8+60		72.11	-0.53	6.09
8+50	78.80	71.17	-0.29	7.03
8+40		70.05	-0.39	8.1✓
8+00		65.25	-1.54	5.0✓

Ret. Wall

-0.03

check

+0.04

check

-0.05

+0.08

check

check

-0.04

Just Grade

Put Wall

745936	60.38	-	-2.50		-007
7400	53.25		-2.50	6.63	-005
6490	52.14		-2.28	7.74	
6480	51.20		-1.88	8.68	check
6470	50.44		-2.22	9.44	
6460	49.85		-2.84	10.03	-007
6450	49.44		-4.04	10.44	
6440	49.20		-4.98	10.68	check
6420	48.90		-4.98	10.98	check
6410	48.86		-4.94	11.02	
6400	49.04		-4.60	10.00	+0.14

Last Trade

Pit Wall

5490	49.44	-4.96	1084	
5480	50.07	-4.67	981	check
5450	52.26	-3.10	764	check
5430	53.23	-2.00	614	check
5420	54.37	-1.45	551	—
5410	54.81	-0.87	507	-0.05
5400	55.06	-0.10	484	—
4490	55.12	-0.06	476	check
4480	54.98	-0.03	490	—
4470	54.65	-0.54	523	check
4460	54.13	-1.29	575	—

East Street

Put Wall

	Grades			
4+50	53.41	-1.85	54.7	+0.04
4+40	52.50	-2.19	54.20	
4+30	51.40	-2.10	53.0	check
4+20	47.80	-0.66	59.90	+0.04
3+50	41.80	-1.08	41.90	check
3+30	39.40	-1.08	27.8	+0.05
3+20	38.29	-0.88	38.6	
3+10	37.35	-0.94	48.0	check
3+0	36.60	-0.77	55.5	
2+90	36.02	-0.93	61.3	check
2+50	34.06	-0.06	30.9	check
2+09.50	32.07	3.35	-0.53	+0.10

Last grade

North Curb Grades

Sta.		Grade	
Ret.	327	32.56	+0.03
0+36		33.54	-0.56
1+00	448	31.35	-0.12
1+40		29.98	0.0
1+78		28.68	+0.42
Ret.		28.40	+1.03
Ret.		28.40	+0.45
2+02		28.61	+0.67
2+50	658	28.85	+0.28
3+10		29.15	+1.05
3+20		29.29	+1.08
3+30		29.62	+0.75
4+0	1068	30.13	+0.32
	c		
4+50	999	30.82	-0.02
4+60		31.69	+0.02

H. Curb Grade

3+70 8.06 37.75 -0.14

4+10 246 37.35 Grade

4+20 247 38.34 -0.13

4+30 1.80 39.01 -0.29

4+40 1.47 39.34 -0.23

4+50 1.45 39.36 -0.27

4+60 1.77 39.04 +0.05

4+70 2.41 38.40 +0.10

5+00 — 36.00 +0.31

5+30 7.21 33.60 +0.57

5+40 — 32.96 —

5+48 8.33 32.48 -0.11

Ret 32.128 +0.47

H. Curb Gr.

Sta.		Gr.	
Ret.	8.98	31.83	+1.10
7+74 Ret.	8.78	32.03	+0.68
6+10	8.28	32.53	+0.84
+20	8.06	32.75	+1.05 ✓
+30	7.6 ✓	33.19	+1.04 ✓
+40	7.01	33.60	+0.86
6+50	6.19	34.6 ✓	+0.54
7+00		39.20	-
7+4.36	1.31	39.50	-0.20
Ret.		40.10	-0.31
Ret.	8.81	42.10	+1.21
7+54.36	8.31	42.60	+0.86
8+00	2.83	48.08	+0.86

B.M. Elev. 39.66
 Top of Flange-East
 Side F.H. 7+04+

Mi. Curb Gr.

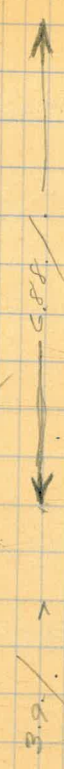
Sta.		Grade	
8450	7.67	54.06	+0.77
8488.54	Ret.	58.70	-0.29
	Ret.	59.33	-0.55
	Ret.	60.73	+1.89
9+285.4	Ret.	61.00	+1.52
9+80	4.56	67.20	+0.68
9+90	3.41	68.35	+0.34
10+00	2.36	69.40	+0.32
10+10	1.42	70.34	-0.08
10+20		71.19	-0.11
10+30		71.93	-0.18
10+40		72.56	-0.52

H. Curb Gyr.

Sta.	Grade.		
10+54.94 Prop.	73.44	-0.68	
10+58.94 Ret.	73.60	-0.97	
Ret.	73.70	-0.92	

Sta.	N. Walk	N. Curb	N. Curb	N. Curb
	S. Walk	Curb	Slake Elev	+ or -
13144.94 Ret	59.29	59.29		
13+00	62.37	62.39	62.46	+0.09
12+50	65.87	65.83	65.91	+0.06
12+37 Ret.	66.70	66.77	66.97	+0.24
12+23 Ret	67.77	67.68	67.87	+0.12
12+00	69.87	69.27	69.47	+0.14
11+75	71.09	70.98	71.19	+0.19
11+50	72.76	72.50	72.79	+0.26
11+14.94 Ret	—	73.76	—	check

South Curb Grade			
Sta.	Old Grade	Rev. Grade	+ or -
12+92.44	62.94	62.94	check
12+37	66.10	66.77	+0.40
12+23	—	67.68	+0.58
12+00	68.19	69.27	+0.50
11+75	69.60	70.98	+0.77
11+50	71.01	72.50	+0.80
11+05.05	73.51	74.25	+0.14
10+79.05	75.25	75.25	check



South. Carb Gr.

Sta.		Grade	
10+78.94	Ret.	75.35	+0.10
10+54.94	G.B	75.54	+0.15
10+00		74.84	+0.25
9+45.05	Ret	74.14	+0.04
Alley			
9+19.05	Ret	73.60	-0.24
9+00		73.21	-0.22
8+90		72.95	-0.19
8+80		72.50	-0.14
8+70		71.89	-0.11
8+60		71.11	-0.02
8+50		70.17	+0.06

South Curb Grade

Sta	Grade	
8+40	69.05	-0.07
8+00	64.25	+0.05
7+50	58.25	-0.52
7+00	52.25	+0.63
6+90	51.14	+0.86
6+80	50.20	+1.10
6+70	49.44	+1.80
6+60	48.85	+0.61
6+50	48.44	+0.49
6+40	48.20	-0.63
6+20	47.90	+0.66
6+10	47.86	-0.36

South Creek Gr.

6+00	48.04	- 0.34
5+90	48.44	- 0.74
5+80	49.07	- 1.01
5+50	51.21	+ 0.06
5+30	52.73	- 0.03
5+20	53.37	+ 0.23
5+10	53.81	+ 0.26
5+00	54.06	+ 0.19
4+90	54.12	- 0.02
4+80	53.98	- 0.01
4+70	53.65	+ 0.19
4+60	53.13	+ 0.19
4+50	52.41	+ 0.19

South Creek Gr.

4+40 51.50 +0.07

4+30 50.40 +0.03

4+00 46.80 +0.26

3+50 40.80 +0.63

3+30 38.40 +0.60

3+20 37.29 +0.40

3+10 36.35 +0.76

3+00 35.60 +0.65

2+90 35.02 +0.46

2+50 33.06 -0.06

2+10 31.09 +0.50

2+00 30.22 +0.25

1+90 30.60 +0.86

Smith Creek Gr.

1+80		30.70	+0.01
1+70		30.99	-0.18
1+40		32.65	-1.50
1+25		33.49	-2.17
1+00		34.87	-2.24
0+80	B.V.C.	35.98	-2.42
0+70		36.42	-2.25
0+60	M.V.C.	36.65	-1.70
0+50		36.65	-1.20
0+40	B.V.C.	36.43	check for cuts

Grades

Sta.	N. Corb	N. Head	E	S. Head	South Ch.
26+08.53					23.68
25+53.37	26.16	25.89 ¹	25.75	25.48	25.34
25+00	27.94	27.65 ¹	27.48	27.19	27.03
24+50	29.61	29.29 ¹	29.10	28.79	28.60
24+06	31.08	30.74	30.52	30.18	29.96
23+89	31.65 ¹	30.30	31.07	30.73	30.50
23+40	33.02	32.70	32.51	32.20	32.00
23+00	34.18	33.88	33.70	33.51	33.23
22+50	35.63	35.35	35.19	34.90	34.76
22+02.14	37.01	36.75	36.62	36.37	36.23 ¹
21+66.35	38.05	37.69	37.65	37.36	37.23
21+00	39.04	38.80	38.68	38.45	38.33
20+50	39.79	39.57	39.48	39.26	39.16

Header Grades

Sta.	H. Arch	E	S. Cut
20406.20	40.43	40.15	39.88
19+46.35	41.27	41.15	41.04
19+00	40.97	41.93	41.90
18+50	42.73	42.78	42.83
18+25.57	43.10	43.20	43.30

Sta.	West	East.	Cor.	Mien Curb Elev Track
0+40	23.65	23.81 23.77	check	23.71 ✓
1+00	22.78	23.05 23.14	-0.1 ✓	22.83 ✓
1+50	22.06	22.50 22.51	-0.09	22.98 ✓
2+00	21.33 21.34	21.93 21.98	-0.18	21.64 ✓
2+50	20.61	21.33 21.41	-0.06	20.99 ✓
2+89.50	20.04	20.95	check	20.50 ✓

0+40
1+00
1+50
2+00
2+50
2+89.50

Note
Changed these
bullet to conform
with actual per.
Elevation of 2+94

23.71
22.93
22.28
21.64
21.15
20.96

23.70
23.70
23.70
23.70

F N National

3.27
318
2645
323

3.23 363
310 327
36
321

5.11
29
7.82
40
5.22

7.94

1.22

4.82
36
5.18

7.16

24

6.93
649
44

$$0.96 = N$$

$$2.00 = S$$

$$22.96 = \phi$$

$$1.48 = \psi$$

$$96$$

$$252$$

$$17$$

$$1.45$$

$$17$$

$$131$$

$$137$$

$$182$$

$$137$$

$$45$$

$$7.94$$

$$2.17$$

$$3$$

$$29$$

$$2.000$$

$$1.48$$

$$3$$

$$17$$

$$148$$

$$1.65$$

$$1.71$$

$$5.05$$

$$4.88$$

$$5.09$$

$$358$$

$$17$$

$$341$$

$$346$$

$$346$$

$$7.95$$

$$7.65$$

$$7.71$$

$$4.91$$

$$4.18$$

$$4.73$$

$$8.90$$

$$807$$

$$83$$

$$8.90$$

$$+$$

$$899$$

$$809$$

$$5.09$$

$$19$$

$$4.90$$

$$36$$

$$5.26$$

$$5.05$$

$$32$$

$$4.73$$

$$22$$

816.75

43-57
43-57
87-
87-54

816.75
396.80
419.95 2.43

429.55

42-25-45
43-57
46-11-45

429.55
387.80
817.35 1006.65
536.60
1543.25

42-71-30
42-71-30
42-70-90
42-45
579.2

45-45
32
42-71-36
42-70-90
42-45
45-55 45

9118 = L.C. = 44.40
151.78 = L.C. = 43-58

86-22-45
51345
= 5-11 Rt.

91-3630
179-5960
88-13.30

195.28
 4230
 137.58

88-23-30
 90
 17823 30
 17959 60
 1.3630

239.1
 861.
 1530
 423
 953
 17

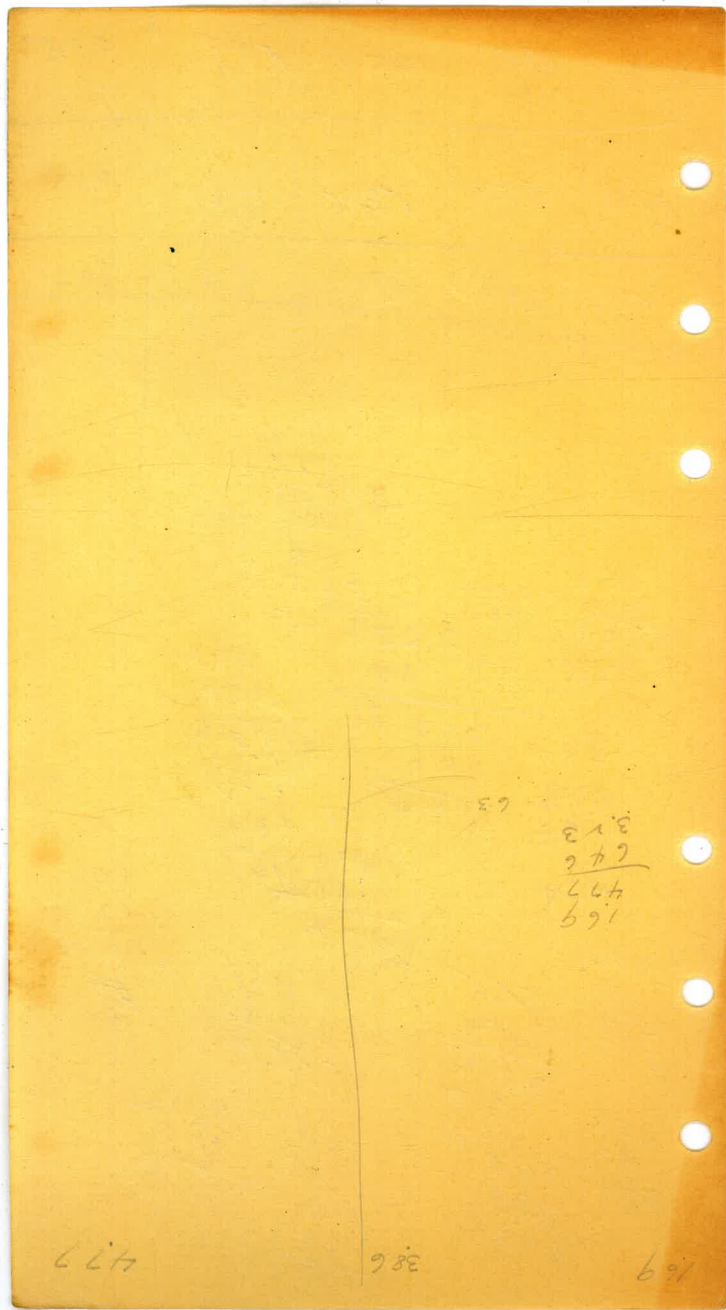
86.1
 239.1
 239.10
 4230
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88-26
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 7960
 88558

89-59-60
 1-3630
 881330

195.30
 4230
 153.00
 8610
 89.10



477

386

691

37

313

272

477

691

216	380	439	497	595
350	509	565	621	714
516	648	694	737	806

$$\begin{array}{r} 714 \\ 565 \\ \hline 3 \overline{) 1149} \end{array}$$

$$\begin{array}{r} 714 \\ 350 \\ \hline 1064 \\ 532 \end{array}$$

$$\begin{array}{r} 1322 \\ 661 \\ \hline 223615 \\ 29 \end{array}$$

$$\begin{array}{r} 811 \\ 406 \\ 33 \\ \hline 439 \end{array}$$

$$\begin{array}{r} 200.7 \\ 446 \\ \hline 6467 \end{array}$$

$$\begin{array}{r} 595 \\ 439 \\ \hline 3 \overline{) 156} \\ .52 \\ 439 \end{array}$$

$$\begin{array}{r} 694 \\ 37 \\ \hline 731 \end{array}$$

$$\begin{array}{r} 565 \\ 350 \\ \hline 715 \\ 29 \end{array}$$

$$\begin{array}{r} 439 \\ 65491 \\ \hline 374 \end{array}$$

$$\begin{array}{r} 565 \\ 62 \\ \hline 503 \end{array}$$

$$\begin{array}{r} 806 \\ 694 \\ \hline 3 \overline{) 112} \\ 37 \\ 8 \end{array}$$

$$\begin{array}{r} 694 \\ 52 \\ \hline 642 \end{array}$$

$$\begin{array}{r} 1935 \\ 430 \\ \hline 6235 \end{array}$$

$$\begin{array}{r} 694 \\ 516 \\ \hline 178 \\ 29 \end{array}$$

$$\begin{array}{r} 1602 \\ 356 \\ \hline 15162 \end{array}$$

	# Hdr	W. Hdr	E cut	W cut
--	----------	-----------	----------	----------

0440	23.95	23.17	F0.55	F0.39
------	-------	-------	-------	-------

1400	22.22	22.37	F0.27	F0.50
------	-------	-------	-------	-------

1450	22.07	21.88	F0.21	F0.26
------	-------	-------	-------	-------

2400	21.46	21.02	F0.21	F0.47
------	-------	-------	-------	-------

2450	21.07	20.68	F0.08	F1 Tr 15
------	-------	-------	-------	-------------

2494	Muff Par			
------	----------	--	--	--

2455

278

2177

$$\begin{array}{r} 5.13 \\ 35 \\ \hline 4.78 \end{array}$$

$$\begin{array}{r} 5.05 \\ 46 \\ \hline 4.59 \end{array}$$

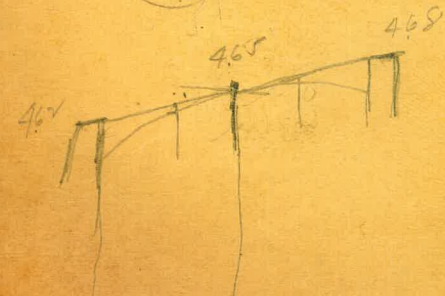
$$\begin{array}{r} 4.2 \\ 5.01 \\ \hline 24.703 \\ 33 \end{array}$$

$$\begin{array}{r} 4.95 \\ 59 \\ \hline 364 \end{array}$$

	Crust			Crust
26750	- 8.35	0.53 8.35	8.35	- 0.88 8.13
24708	5.3v	0.36 5.00	4.75	0.46 4.53
2348233	4.10	0.40 3.90	3.58	0.41 3.38
22700	5.07	0.35 4.96	4.72	0.35 4.61
2146214	3.90	0.36 3.81	3.60	0.38 3.51
18750	4.6v	0.26 4.69	4.65	0.26 4.7v

8.35
7.80
—
55
18

4.69





Sta.	W. Center Grade	W. Hill		F. Hill	East End
0400	23.65	23.56	= C.O.09	C.O.17	23.60
1400	22.78	22.87	= Fall.09	C.O.23	22.89
1450	22.06	22.14	= Fall.08	C.O.27	22.28
2400	21.34	21.49	= 7.15	C.O.31	21.67
2450	20.61	Fork track		C.O.26	21.15
2495.50	20.06	Meet Pav.			Meet Pav. 21.41
					20.95

