

W  
425

LEVEL BOOK

No. 410

# EUGENE DIETZGEN CO.

DRAWING MATERIALS, MATHEMATICAL and  
SURVEYING INSTRUMENTS

Chicago New York San Francisco New Orleans Pittsburg Toronto

Distances from Center of Roadway for Cross-Sectioning  
Roadway 16 feet wide, Side Slopes 1 on 1.  
For Single Track Embankment.

H	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	H
0	8.0	8.1	8.2	8.3	8.4	8.5	8.6	8.7	8.8	8.9	0
1	9.0	9.1	9.2	9.3	9.4	9.5	9.6	9.7	9.8	9.9	1
2	10.0	10.1	10.2	10.3	10.4	10.5	10.6	10.7	10.8	10.9	2
3	11.0	11.1	11.2	11.3	11.4	11.5	11.6	11.7	11.8	11.9	3
4	12.0	12.1	12.2	12.3	12.4	12.5	12.6	12.7	12.8	12.9	4
5	13.0	13.1	13.2	13.3	13.4	13.5	13.6	13.7	13.8	13.9	5
6	14.0	14.1	14.2	14.3	14.4	14.5	14.6	14.7	14.8	14.9	6
7	15.0	15.1	15.2	15.3	15.4	15.5	15.6	15.7	15.8	15.9	7
8	16.0	16.1	16.2	16.3	16.4	16.5	16.6	16.7	16.8	16.9	8
9	17.0	17.1	17.2	17.3	17.4	17.5	17.6	17.7	17.8	17.9	9
10	18.0	18.1	18.2	18.3	18.4	18.5	18.6	18.7	18.8	18.9	10
11	19.0	19.1	19.2	19.3	19.4	19.5	19.6	19.7	19.8	19.9	11
12	20.0	20.1	20.2	20.3	20.4	20.5	20.6	20.7	20.8	20.9	12
13	21.0	21.1	21.2	21.3	21.4	21.5	21.6	21.7	21.8	21.9	13
14	22.0	22.1	22.2	22.3	22.4	22.5	22.6	22.7	22.8	22.9	14
15	23.0	23.1	23.2	23.3	23.4	23.5	23.6	23.7	23.8	23.9	15
16	24.0	24.1	24.2	24.3	24.4	24.5	24.6	24.7	24.8	24.9	16
17	25.0	25.1	25.2	25.3	25.4	25.5	25.6	25.7	25.8	25.9	17
18	26.0	26.1	26.2	26.3	26.4	26.5	26.6	26.7	26.8	26.9	18
19	27.0	27.1	27.2	27.3	27.4	27.5	27.6	27.7	27.8	27.9	19
20	28.0	28.1	28.2	28.3	28.4	28.5	28.6	28.7	28.8	28.9	20
21	29.0	29.1	29.2	29.3	29.4	29.5	29.6	29.7	29.8	29.9	21
22	30.0	30.1	30.2	30.3	30.4	30.5	30.6	30.7	30.8	30.9	22
23	31.0	31.1	31.2	31.3	31.4	31.5	31.6	31.7	31.8	31.9	23
24	32.0	32.1	32.2	32.3	32.4	32.5	32.6	32.7	32.8	32.9	24
25	33.0	33.1	33.2	33.3	33.4	33.5	33.6	33.7	33.8	33.9	25
26	34.0	34.1	34.2	34.3	34.4	34.5	34.6	34.7	34.8	34.9	26
27	35.0	35.1	35.2	35.3	35.4	35.5	35.6	35.7	35.8	35.9	27
28	36.0	36.1	36.2	36.3	36.4	36.5	36.6	36.7	36.8	36.9	28
29	37.0	37.1	37.2	37.3	37.4	37.5	37.6	37.7	37.8	37.9	29
30	38.0	38.1	38.2	38.3	38.4	38.5	38.6	38.7	38.8	38.9	30
31	39.0	39.1	39.2	39.3	39.4	39.5	39.6	39.7	39.8	39.9	31
32	40.0	40.1	40.2	40.3	40.4	40.5	40.6	40.7	40.8	40.9	32
33	41.0	41.1	41.2	41.3	41.4	41.5	41.6	41.7	41.8	41.9	33
34	42.0	42.1	42.2	42.3	42.4	42.5	42.6	42.7	42.8	42.9	34
35	43.0	43.1	43.2	43.3	43.4	43.5	43.6	43.7	43.8	43.9	35
36	44.0	44.1	44.2	44.3	44.4	44.5	44.6	44.7	44.8	44.9	36
37	45.0	45.1	45.2	45.3	45.4	45.5	45.6	45.7	45.8	45.9	37
38	46.0	46.1	46.2	46.3	46.4	46.5	46.6	46.7	46.8	46.9	38
39	47.0	47.1	47.2	47.3	47.4	47.5	47.6	47.7	47.8	47.9	39
40	48.0	48.1	48.2	48.3	48.4	48.5	48.6	48.7	48.8	48.9	40

425

MICROFILMED

JAN 12 1965

Example—If point is 22.6 ft. above grade, how far should it be from center line to be a slope stake point? Ans. from Table 30.6. For same slopes but other widths of roadbed, correct above figures by one-half difference in width of roadbed; thus in example above, for 20 ft. roadbed distance will be  $30.6 + (20 - 16) \div 2$  or 2 ft. added to  $30.6 = 32.6$ . For slopes of 1 on  $1\frac{1}{2}$  see inside of back cover.

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Silt Deposit - Chocolate Creek Area

Hydraulic Fill Borrow pit X-sections

Survey by contractor's eng. crew - notes by P.O.G.

INDEX

N 2660 - 2760	E 10060 - 10040	P 1-2
N 2510 - 2660	E 10060 - 9940 ±	P 2-24
odd shots around sherd		P 25
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MICROFILMED

JUN 28 1964

E 10060

3.68

611.13

607.45 B.M

N 2660

2.4

08.7

70

1.5

09.6

80

2.0

09.1

90

2.6

08.6

2400

2.9

08.2

10

3.7

07.4

20

4.4

06.7

30

5.7

05.4

40

6.4

04.7

50

7.8

03.3

60

21.4

599.7

E 10050

N 2660

5.0

06.1

70

5.6

05.5

80

5.9

05.2

90

6.4

04.7

2700

6.4

04.7

10

6.5

04.6

1/27/33 Field work

copied  
1-20-33 POG

Spike in stump (city B.M)

①

E10050  
611.13'

N 2720	6.6	04.5
30	7.2	03.9
40	7.6	03.5
50	16.7	594.2

E10040

N 2660	10.0	601.1
70	11.3	599.8
80	11.7	599.4
90	11.0	600.1
2700	8.6	02.5
10	8.4	02.7
20	8.5	02.6
30	8.4	02.7
40	8.7	02.4

1:1 slope to river bed

N 2660

E10060	2.4	08.7
50	5.0	06.1
40	9.9	01.2

1/20/33

1-20-33 P.25

6

NZ660

61113

1/27/33

(3)

1-30-33

040 <sup>f</sup> from P-1		01.1
E10030	12.0	599.1
20	11.8	599.3
17	7.9	03.2
10	7.6	03.5
10000	7.5	03.6
990	7.5	03.6
80	7.6	03.5
70	7.3	03.8
60	7.5	03.6
50	7.6	03.5
43	7.8	03.3

1/1 slope

NZ670

E10060	1.5	09.6
50	5.6	05.5
40	11.2	99.9
30	13.9	97.2
20	14.1	97.0
15	8.0	03.1

N2670  
6/11/13

1/21/22

1/30/22

(4)

E10010	7.6	03.5
10000	7.6	03.5
990	7.6	03.5
80	7.9	03.2
70	7.7	03.4
60	7.0	04.1
9950	8.5	03.6

N2680

E9975	7.9	03.2
80	7.6	03.5
90	7.6	03.5
10000	7.6	03.5
08	7.9	03.2
10	11.0	00.1
20	16.0	95.1
30	11.4	99.7
40	11.3	99.8
50	6.0	05.1
60	2.1	09.0

N2660.

1/28/33

1/30-33

15

Level 1.74 609.19 607.45 BM

Transit 9.78 617.23

E10080 2.1 15.1

70 2.4 08.8

N2650

E10080 2.4 04.8

70 9.1 08.1

60 9.6 07.6

50 11.6 05.6

609.19

40 6.4 02.8

30 7.8 01.4

20 7.7 01.5

10 5.7 03.5

10000 5.5 03.7

990 5.4 03.8

80 5.5 03.7

70 5.0 04.2

9960 5.5 03.7



N2650.  
609.19

1/22/33

1-30-33

(6)

E 9950	5.4	03.8
40	5.9	03.3
30	6.3	02.9
20	10.2	99.0
10	14.4	94.8
9900	18.2	91.0
9890	21.0	88.2
80	21.0	88.2

Transit 607.45  
+ 1.21  
608.66

N2640

10.28 617.75 607.45 B.M.

10080	2.3	15.4
70	8.8	08.9
60	1.6	07.1
50	2.7	06.5
40	4.4	04.3
30	5.8	02.9
20	5.7	03.0
10	5.4	03.3
10000	4.9	03.8

N 2640  
608.66

E 9990	4.9	03.8
80	4.7	04.0
70	4.7	04.0
60	4.8	03.9
50	5.2	03.5
40	5.1	03.6
30	5.6	03.1
20	6.3	02.4
9910	6.7	02.0

N 2630

E 9880	18.9	99.8
90	14.9	93.8
9900	8.6	00.1
10	7.1	01.6
20	6.5	02.2
30	5.7	03.0
40	5.1	03.6
50	5.1	03.6
60	4.9	03.8

1/28/33

1-30-30

(7)

N2630

608.66

E9970

4.8 03.9

80 4.5 04.2

90 4.6 04.1

10000 4.9 03.8

10 5.1 03.6

20 5.0 03.7

30 4.7 04.0

40 3.3 05.4

617.73

50 11.4 06.3

60 11.0 06.7

70 6.4 11.3

80 2.8 14.9

N2620

10080 2.4 15.3

70 6.4 11.3

608.66

60 1.3 07.4

50 2.5 06.2

1/28/83

1-20-23

②

NZ620

608.66

E10040	3.1	05.6
30	4.0	04.7
20	5.0	03.7
10	5.3	03.4
10000	4.7	04.0
90	4.4	04.3
80	4.2	04.5
70	4.7	04.0
60	4.9	03.8
50	5.1	03.6
40	5.2	03.5
30	5.6	03.1
20	6.3	02.4
10	7.7	01.0
9900	9.8	98.9
90	14.6	94.1
80	18.8	89.9

NZ670  
614.75

607.95 BM  
05.5  
09.6

10 50 60 P1	5.2	09.5
10070	2.0	12.7
80		

1/28/33

1-30-22

(9)

N 2680

1/28/33

(10)

614.75

1.30-33

50 60 P-1		05.2 09.1
E 10070	4.5	10.2

80	4.7	10.0
----	-----	------

N 2690

40 50 60 P-1		00.1 04.7 08.6
10070	3.8	11.0

80	3.9	10.8
----	-----	------

N 2700

40 50 60 P-1		02.5 04.7 08.2
10070	3.6	11.1

80	3.2	11.5
----	-----	------

N 2710

40 50 60 P-1		02.7 04.6 07.4
10070	5.0	09.7

80	2.6	12.1
----	-----	------

N 2720

40 50 60 P-1		02.6 04.5 06.7
10070	5.5	09.2

80	2.7	12.0
----	-----	------

N 2730

40 50 60 P-1		02.7 03.9 05.4
10070	6.6	08.1

80	4.0	10.7
----	-----	------

N 2740

40 50 60 P-1		02.4 03.5 04.7
10070	8.0	06.7
80	6.0	08.7

N2750

1/28/33

(11)

1-30-33

50		614.75	44.2
60	P1		03.3
E 10070		9.5	05.2
80		7.4	07.3

N2760

60	P-1		99.7
10070		12.2	02.5
80		9.4	05.3

N2770

10080		11.1	03.6
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N2630

4.89	594.87	589.92	BM
------	--------	--------	----

E 9740		11.4	83.5
50		10.9	84.0
60		10.2	84.7
70		11.4	83.5
80		10.7	84.2
90		10.3	84.6
9800		8.9	86.0
10		6.8	88.1
20		6.3	88.6
30		6.1	88.8
40		4.9	90.0

N2630  
594.87

E 9850	4.6	90.3
60	2.7	92.7
70	3.3	91.6

N2620

0.04 607.49 607.45

9870 11.6 95.9

60 6.7 90.8

50 11.1 96.4

E 4.89 594.87 589.98

40 0.2 94.7

30 2.6 92.3

20 5.2 89.7

10 5.8 89.1

9800 6.1 88.8

9790 7.1 87.8

80 8.7 86.2

70 8.9 86.0

60 9.3 85.6

50 9.7 85.2

40 10.1 84.8

1/28/33

1-30-33

(12)

N2610

594.87

1-30-33

(13)

F 9740	7.9	87.0
50	6.3	88.6
60	7.0	87.9
70	6.8	88.1
80	4.4	90.5
90	2.3	92.6
9800	1.0	93.9

607.49

10	11.2	96.3
20	9.3	98.2
30	7.3	00.2
40	3.8	03.7
50	4.4	03.1
60	5.6	01.9
70	7.4	00.1
80	15.8	91.7

607.90

90	16.2	91.7
9900	10.6	96.3

1/28/33  
1/29-33



N2610

607.90

1/29/33 Clavert.  
Kiernan  
1-30-33 P.O.G. copy

(14)

E 9910			7.2	00.7
20			5.8	02.1
30			5.0	02.9
40			4.4	03.5
50			4.0	03.9
60			3.9	04.0
70			3.8	04.1
80			3.7	04.2
90			3.5	04.4
10000			3.8	04.1
10			4.0	03.9
20			3.6	04.3
30			2.9	05.0
40			2.3	05.6
50			2.1	05.8
60	9.73	619.18		607.45
70			6.8	10.4
80			3.7	13.5
90			1.8	15.4

N2600

0.04

60749

60745

1/29/83

(15)

1-30-22

9740		11.7	95.8
50		11.1	96.4
60		12.8	94.7
70		13.5	94.0
80		11.5	96.0
90		10.6	96.9
9800		9.0	98.5
10		8.1	99.4
20		7.3	00.2
30		5.7	01.8
40		3.2	04.3
50		3.9	03.6
60		5.0	02.5
70		6.5	01.0
80		12.8	94.7
	60790		
99	?	16.5	91.4
9900		13.5	94.4
10		7.4	00.5

N2600

607.90

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(16)

F 9920 6.2 01.7

30 5.3 02.6

40 4.6 03.3

50 4.1 03.8

60 3.9 04.0

70 3.6 04.3

80 3.6 04.3

90 3.6 04.3

10000 3.6 04.3

10 3.8 04.1

20 3.6 04.3

30 2.7 05.2

40 2.6 05.3

9.73 617.18 607.45

50 11.5 05.7

60 7.1 10.1

70 4.2 13.0

80 2.0 15.2

N<sup>o</sup> 2590

617.18

E10080	2.1	15.1
70	4.5	12.7
60	6.1	11.1
50	11.5	05.4
40	12.0	05.2
30	12.2	05.0

60790

20	3.3	04.6
10	3.3	04.6
10000	3.3	04.6
90	3.6	04.3
80	3.7	04.2
70	3.6	04.3
60	3.9	04.0
50	3.2	04.1
40	4.6	03.3
30 <sup>s</sup>	5.4	02.5
20	6.3	01.6
10	7.5	00.4

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(12)

N 2590

607.90

1/29/33

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⑩

E 9900 14.1 93.8

90 16.2 91.7

80 10.5 97.4

70 6.4 01.5

60 4.7 03.2

50 5.4 02.5

40 5.6 02.3

30 6.6 01.3

20 7.2 00.7

10 8.7 99.2

98 00 9.5 98.4

790 9.8 98.1

80 9.9 98.0

70 12.2 95.7

60 11.6 96.3

50 9.8 98.1

97 40 9.8 98.1

N 2580

E 9740 11.0 96.9

N 2580

607.90

E 9750	10.7	97.2
60	10.5	97.4
70	10.5	97.4
80	9.9	98.0
90	9.9	98.0
9800	9.5	98.4
10	9.2	98.7
20	7.9	600.0
30	6.1	01.8
40	6.0	01.9
50	5.6	02.3
60	4.8	03.1
70	5.5	02.4
80	7.2	00.7
90	15.4	92.5
9900	15.2	92.7
10	8.1	99.8
20	6.3	01.6
30	5.4	02.5

1/24/33

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(19)

N 2580

607.90

E 9940	4.7	03.2
50	4.4	03.5
60	4.2	03.7
70	3.7	04.2
80	3.7	04.2
90	3.6	04.3
10000	3.3	04.6
10	3.2	04.7
20	3.3	04.6
30	3.2	04.7
40	3.0	04.9
50	2.3	05.6

617.18

60	7.7	09.5
70	4.8	12.4
80	2.2	15.0

N 2570

10080	2.2	15.0
70	4.6	12.6

1/29/33

1-30-33

20

N2570

617.18

1/29/33

1-30-33

(21)

E10060		7.4	09.8
50		10.6	06.6
40		12.2	05.0
0.45	607.90		607.45
30		3.3	04.6
20		3.4	04.5
10		3.2	04.7
10000		3.2	04.7
90		3.3	04.6
80		3.6	04.3
70		3.5	04.4
60		3.8	04.1
50		4.2	03.7
40		4.7	03.2
30		5.4	02.5
20		6.7	01.2
10		12.1	95.8
9900		14.6	93.3
90		14.5	93.4



N 2570

607.90

E 9880	8.1	99.8
70	5.8	02.1
60	5.1	02.8
50	5.5	02.4
40	5.5	02.4
30	6.2	01.7
20	8.2	99.7
10	9.0	98.9
9800	9.7	98.2
90	9.9	98.0
80	10.0	97.9
70	10.0	97.9
60	10.0	97.9
50	10.2	97.7
97 40	10.5	97.4

N 2560

E 9740	10.4	97.5
50	10.2	97.7
60	9.9	98.0

1/27/33

1-30-33

(22)

N 25 60

607.90

1/27/32

1-30-33

23

E 97 70	9.8	98.1
80	9.8	98.1
90	9.8	98.1
98 00	9.7	98.2
10	9.2	98.7
20	8.6	99.3
30	8.0	89.9
40	6.5	01.4
50	5.8	02.1
60	5.2	02.7
70	5.3	02.6
80	6.6	01.3
90	14.1	93.8
99 00	14.0	93.9
10	11.1	96.8
20	7.8	00.1
30	5.6	02.3
40	4.6	03.3
50	4.1	03.8

N 2560  
607.90

E 9960	3.7	04.2
70	3.5	04.4
80	3.5	04.4
90	3.1	04.8
10000	3.3	04.6
10	3.5	04.4
20	3.4	04.5
30	3.5	04.4
40	3.0	04.9
50	1.9	06.0

617.18

10060	8.0	09.2
70	5.0	12.2
80	2.1	15.1

N 2550

10080	2.5	14.7
70	4.9	12.3
60	8.0	09.2
50	10.8	06.4

1/29/33

1-30-33

(24)

NZ550

67.18

1/29/33

1-30-33

25

E 10040 11.9 05.3

30 12.1 05.1

607.90

20 3.5 04.4

10 3.5 04.4

10000 3.7 04.2

90 3.3 04.6

80 3.0 04.9

70 3.2 04.7

60 3.4 04.5

50 4.0 03.9

40 4.9 03.0

30 6.3 01.6

20 6.8 01.1

10 7.0 00.9

9900 13.5 94.4

90 12.2 95.7

80 5.9 92.0

70 5.6 02.3

N 2550

607.90

1/29/93

1-30-93

(26)

E 9860	6.1	018
50	6.6	013
40	7.3	006
30	7.8	10.1
20	8.5	99.4
10	9.2	98.7
9800	9.6	98.3
90	9.7	98.2
80	9.8	98.1
70	9.9	98.0
60	10.1	97.8
50	9.6	98.3
9740	9.4	98.5

N 2540

E 9740	9.3	98.6
50	9.3	98.6
60	9.3	98.6
70	9.4	98.5
80	9.6	98.3

N2540

607.90

1/29/33

1:30-33

(27)

E9790	9.5	98.4
9800	9.6	98.3
10	9.1	98.8
20	8.6	99.3
30	7.7	00.2
40	7.3	00.6
50	6.9	01.0
60	6.5	01.4
70	6.3	01.6
80	5.8	02.1
90	7.6	00.3
9900	12.0	95.9
10	9.8	98.1
20	6.6	01.3
30	6.6	01.3
40	5.7	02.2
50	4.5	03.4
60	3.7	04.2
70	3.3	04.6

N 2540

E 9980	3.7	04.2
90	3.8	04.1
10000	3.5	04.4
10	3.3	04.6
20	3.4	04.3
30	3.0	04.9
40	2.2	05.7
50	1.0	06.9

617.18

60	8.3	08.9
70	5.5	11.7
80	2.9	14.3

N2530

E10080	3.1	14.1
70	6.6	10.6
60	9.0	08.2
50	10.1	07.1
40	11.2	06.0
30	12.2	05.0

1/29/33

1-30-33

(28)

N2530

617.18

E10020 12.4 04.8

10 12.0 05.2

60790

10000 3.4 04.5

90 3.5 04.4

80 3.8 04.1

70 4.3 03.6

60 4.8 03.1

50 5.2 02.7

40 6.0 01.9

30 6.1 01.8

20 6.3 01.6

10 6.6 01.3

9900 6.3 01.6

90 6.1 01.8

80 6.1 01.8

70 6.3 01.6

60 6.6 01.3

50 6.2 01.7

1/24/37

1-30-33

39



N 2530

607.90

1/29/33

1-22-33

(36)

E 9840	6.2	017
30	7.6	003
20	9.2	98.7
10	9.3	98.6
9800	9.3	98.6
90	9.4	98.5
80	9.5	98.4
70	9.5	98.4
60	9.2	98.7
50	9.4	98.5
40	9.4	98.5

N 2520

E 9740	9.3	98.6
50	9.1	98.8
60	9.2	98.7
70	9.3	98.6
80	9.2	98.7
90	9.1	98.8
9800	9.2	98.7

N2520

607-90

1/29/33

1-30-33

31

E9810	9.1	98.8
20	9.0	98.9
30	8.2	99.7
40	6.8	01.1
50	5.7	02.2
60	4.2	03.7
70	4.8	03.1
80	6.1	01.8
90	6.1	01.8
9900	6.2	01.7
10	6.3	01.6
20	6.2	01.7
30	6.0	01.9
40	5.8	02.1
50	5.2	02.7
60	4.6	03.3
70	4.0	03.9
80	3.7	04.2
90	3.5	04.4

N2520

607.90<sup>v</sup>

1/29/33

1-30-33

(32)

E10000	3.3	04.6
10	3.1	04.8
20	2.9	05.0
30	2.5	05.4
40	1.9	06.0
50	1.1	06.8
60	0.2	07.7

617.18<sup>v</sup>

70	6.7	10.5
80	3.4	13.8

N2510

E 10080	3.3	13.9
70	6.2	11.0
60	9.3	07.9
50	10.6	06.6
40	11.2	06.0
30	11.8	05.4
20	12.2	05.0
10	12.3	04.9

N2510

607-90

1/29/33

1-30-33

33

E10000	3.2	04.7
90	3.2	04.7
80	3.4	04.5
70	3.7	04.2
60	4.2	03.7
50	4.5	03.4
40	5.0	02.9
30	5.4	02.5
20	5.7	02.2
10	6.5	01.4
9900	6.5	01.4
90	5.4	02.5
80	4.7	03.2
70	5.0	02.9
60	5.0	02.9
50	5.4	02.5
40	6.3	01.6
30	8.6	99.3
20	9.7	98.7

N2510  
607.90

E9810	9.2	98.7
9800	8.7	99.2
790	9.2	98.7
80	9.2	98.7
70	9.1	98.8
60	9.0	98.9
50	9.0	98.9
40	8.9	98.0

N2500

E9740

1-30-33

copied in Contractors office

34

N 2760

X-Section of

Silt Deposit - Hydraulic fill Material

30

2-4-33

P.O.G. Notes

Clavert 7K

wads Rd

Contractors engineering

crew &amp; instruments

city taking notes only

10.48 617.93

607.45 BM

E10120 2.1 15.8

130 2.0 15.9

140 1.8 16.1

N 2770

E10140 1.5 16.4

130 2.8 15.1

N 2780

E10140 2.3 15.6

E10130 4.1 13.8

N 2790

E10140 4.1 13.8

130 5.9 12.0

N 2800

E10140<sup>120</sup> 11.7 06.2

130 8.4 09.5

140  
120 6.3 11.6

N 2810

E10120 14.1 03.8  
1:1 slope

N2810

617.93

E10130 11.9 06.0

10140 8.9 09.0

2820

E10130 13.9 1:1 slope 04.0

140 12.3 05.6

150 10.7 07.2

160 8.5 09.4

170 6.3 11.6

180 city street 4.4 13.5

190 3.0 14.9

E10200 2.3 15.6

210 0.3 17.6

220 0.1 17.8

230 0.0 17.9

629.72

240 2.3 21.4

250 7.5 22.2

260 5.8 23.9

270 5.0 24.7

2-4-33

PDF Notes  
Clavert Tr  
Wade Rd

617.93

0.13

617.80

+11.92

629.72

Trans Level 617.93

N2820  
629.72

E10280	3.7	260
290	2.2	27.5
10300	0.9	28.8

N2810

E10300	+0.9	30.6
290	0.0	29.7
280	1.3	28.4
270	1.7	28.0
260	4.3	25.4
250	5.4	24.3
240	6.7	23.0
230	8.0	21.7
220	10.5	19.2
210	11.7	18.0
200	11.8	17.9
190	12.2	17.5

617.93

180	1.9	16.0
170	3.4	14.5

2-4-33

P.O.G. Notes  
Clayton  
Wade

R  
R2

37



N2810  
61793

E10160 4.9 13.0

150 7.5 10.4

N2800

E10150 4.3 13.6

160 city stake 2.9 15.0

170 1.5 16.4

180 0.4 17.5

190 0.1 17.8

10200 0.1 17.8

629.72

210 8.7 21.0

20 7.7 22.0

30 5.6 24.1

40 4.9 24.8

50 3.6 26.1

60 1.8 27.9

70 0.6 29.1

80 +0.6 30.3

90 +1.8 31.5

300 +2.8 32.5

2-4-33

P.O.G. Notes  
divert  $\nearrow$   
waste Rd

88

N 2790

640.80

E10 300	6.3	34.5
290	7.5	33.3
280	8.4	32.4
270	9.9	30.9
260	11.0	29.8
250	12.2	28.6
	629.72	
240	2.5	27.2
230	4.4	25.3
220	5.8	23.9
210	7.0	22.7
200	8.2	21.5
190	10.2	19.5
180	12.2	17.5
170	12.3	17.4
160	12.2	17.5
150	12.9	15.8

N 2780

2-4-33

 P.O.G. Notes  
 Cleverly TK  
 Wade Rd
629.72 Tran.  
-0.00629.72 T.P.  
+11.08

640.80 Level

(39)

N2780

629.72 ✓

E10150	12.8	16.9
160	12.8	16.9
170	12.5	17.2
180	8.5	21.2
190	7.7	22.0
10 200	5.8	23.9
210	5.4	24.3
220	3.7	26.0
230	2.1	27.6
240	0.7	29.0

640.80 ✓

250	10.6	30.2
260	9.2	31.6
270	8.0	32.8
280	6.8	34.0
290	4.7	36.1
10 300	3.6	37.2

N2770

10 300	1.9	38.9
--------	-----	------

2-4-33

P.O.G. notes

Clayton X

Red

(40)

N2770

640.80

E10290	3.0	37.8
280	4.4	36.4
270	5.8	35.0
260	7.0	33.2
250	8.6	32.2
240	9.8	31.0
230	11.3	29.5
<hr/>		
220	1.7	28.0
210	3.2	26.5
10 200	4.4	25.3
190	5.6	24.1
180	7.3	22.4
170	8.6	21.1
160	9.9	19.8
150	13.4	16.3

N2760

E10150	9.3	20.4
60	8.7	21.0
70	6.6	23.1

2-4-33

P.O.G	Notes
clavert	R
wade	Rd

(41)

N2760

629.72 ✓

E10180	5.7	240
190	4.3	254
10200	2.8	269
210	1.6	281
220	11.0	298
230	9.4	314
240	7.9	329
250	6.7	341
260	5.2	356
270	4.0	368
280	2.7	381
290	1.3	395
10300	0.4	404

N2750

E10300	+1.0	418
290	+0.4	412
280	0.8	400
270	2.1	387
260	3.2	376

2-4-33

 P.O.G. Notes  
 Clover +  
 Wade Rd

(12)

N2750  
640.80 ✓

E10250	4.6	36.2
240	6.1	34.7
230	8.0	32.8
220	9.1	31.7
210	10.4	30.4
10 200	11.9	28.9

629.72 ✓

190	2.3	27.4
180	3.9	25.8
170	5.6	24.1
160	6.8	22.9
150	8.1	21.6
140	9.6	20.1
130	14.3	15.4
120	14.5	15.2
110	14.5	15.2
E10100	15.6	14.1
110	14.5	15.2
120	15.4	14.3

N2740

2-4-33

ROG. Notes  
Claret ↑  
Wade ↓

(43)

N 2740

629.72 ✓

2-4-33

P.O. G. Notes  
davit T  
Wade Rd

44

E 10130	10.6	19.1
140	8.8	20.9
150	6.9	22.8
160	5.6	24.1
170	3.7	26.0
180	2.1	27.6
190	0.4	29.3

640.80 ✓

10200	9.8	31.0
210	8.2	32.6
220	7.1	33.7
230	5.5	35.3
240	4.2	36.6
250	2.7	38.1
260	1.7	39.1
270	0.4	40.4
280	+0.7	41.5
290	+2.0	42.8
10 300	+2.5	43.3

N 2730

640.80

2-4-33

P.O.G. Notes  
Clearcut  $\nearrow$   
Wade Rd

E10300	+3.5	44.3
290	+3.2	44.0
280	+2.2	43.0
270	+1.0	41.8
260	0.0	40.8
250	1.0	39.8
240	2.5	38.3
230	3.8	37.0
220	5.0	35.8
210	6.5	34.3
10200	8.2	32.6
190	9.5	31.3
180	11.2	29.6
170	2.3	27.4
160	3.5	26.2
150	5.3	24.4
140	7.6	22.1
130	9.3	20.4
120	11.2	18.5

629.72



N 27.30

629.72

2-4-33

R.O.G. Notes  
clavert K  
Wade R9

(46)

E10110 10.7 13.0

10 100 15.8 13.9

10 090 16.5 13.2

0.38 618.22 11.88 617.84

N 2830

E10150 19.5 98.7

160 16.8 01.4

170 9.8 08.4

180 7.6 10.6

190 6.1 12.1

10 200 4.6 13.6

210 2.9 15.3

220 0.8 17.4

230 0.6 17.6

240 0.4 17.8

629.72

250 9.0 20.7

260 7.4 22.3

270 6.5 23.2

N 2830

629.72

7-4-33

P.O.G. Notes  
Clavert  
WadeTK  
R9

(47)

E 10280	4.9	24.8
290	3.7	26.0
10300	2.5	27.2

N 2840

E10300	5.1	24.6
290	5.8	23.9
280	7.0	22.7
270	7.7	22.0
260	10.7	19.0
250	12.1	17.6
240	12.1	17.6

618.22

230	2.1	16.1
220	4.4	13.8
210	6.3	11.9
10200	9.3	08.9
190	13.7	04.5
180	15.5	02.7
170	17.3	00.9
160	20.3	97.9

N2850

618.22

2-4-33

P.O.G Notes  
Clavert ↑  
Wade R?

(R)

L F 10200	16.5	01.7
210	10.9	07.3
220	7.0	11.2
230	4.5	13.7
L 240	2.6	15.6
250	0.6	17.6
260	0.8	17.4
270	0.7	17.5

629.72

280	9.0	20.7
290	7.7	22.0
10300	6.6	23.1

N2860

10300	8.7	21.0
290	10.7	19.0
280	11.0	17.2
270	11.1	17.1
260	1.4	16.8
250	3.2	15.0

618.22

N 2860  
618-22

E 10240	5.0	13.2
230	6.9	11.3
220	12.6	05.6
210	20.3	97.9

N 2870

E 10220	16.2	02.0
230	10.9	07.3
240	6.9	11.3
250	5.3	12.9
260	3.9	14.3
270	2.5	15.7
280	1.9	16.3
290	1.1	17.1
10300	1.1	17.1

N 2880

E 10300	1.2	17.0
290	1.1	17.1
280	2.8	15.4
270	3.9	14.3

2-4-30

ROS. Notes  
Clayert T  
Wade R9

(49)

N2880

618.22

E10260	5.4	12.8
250	7.5	10.7
240	9.7	08.5
230	16.9	01.3

N2890

E10230	19.6	98.6
240	12.5	05.7
250	9.3	08.9
260	11.1	07.1
270	5.5	12.7
280	4.3	13.9
290	2.3	14.9
10300	2.5	15.7

N2900

E10240	18.1	00.1
250	11.8	06.4
260	9.1	09.1
270	7.0	11.2
280	5.7	12.5

2-4-33

 POG. Notes  
 clovert \*  
 Wade R2

50

N2900  
G.18.22

E10290	4.8	13.4
300	3.8	14.4

N2910

E10300	4.9	13.3
290	6.0	12.2
280	7.1	11.1
270	9.0	09.2
260	11.3	06.9
250	18.3	09.9

N2920

E10260	15.5	02.7
270	11.4	06.8
280	9.2	09.0
290	8.3	09.9
300	6.2	12.0

N2930

E10300	8.7	09.5
290	9.3	08.9
280	11.2	07.0
270	13.8	04.4

111 slope

2-4-33

P.O.G. Notes  
Clavert R  
Wade R9

(7)

N2940

618.22

E10280	13.4	04.8
290	12.7	05.5
10300	9.7	08.5

N2950

E10300	11.4	06.8
290	13.9	04.3

N2960

E10300	13.9	04.3
290	18.8	99.4

2-4-33

POG, Notes  
Clavert  
Wade

TR  
RR

(5)

X-section near mouth of Chocolate  
creek

2-4-33

P.O.G.  
clavert  
Wade

Notes  
K  
R<sup>2</sup>

(3)

0.64 608.09 ✓ 607.45 BM

4.02 601.18 ✓ 10.93 597.16

N 2570

E 9730

4.0 97.2

20

4.9 96.3

10

5.7 95.5

9700

6.7 94.5

9690

6.2 95.0

80

7.8 93.4

70

8.5 92.7

60

10.0 91.2

N 2560

E 9660

9.0 92.2

70

6.8 94.4

80

4.1 97.1

90

3.2 98.0

9700

2.7 98.5

10

2.8 98.4

20

3.3 97.9

30

3.7 97.5

road to North and west



N 2550  
601.18

E9730	2.8	98.4
20	2.8	98.4
10	2.8	98.4
9700	2.7	98.5
90	3.1	98.1
80	4.0	97.2
70	5.0	96.2
60	8.4	92.8

N2540

E9660	9.2	92.0
70	4.7	96.5
80	3.8	97.4
90	3.0	98.2
9700	2.7	98.5
10	2.5	98.7
20	2.6	98.6
30	2.6	98.6

N2530

9730	2.6	98.6
------	-----	------

2-4-32

P.O.D. Notes  
Clavert  $\pi$   
Wade Rd

54

N 25 30  
601.18

9720	2.6	986
10	2.5	987
9700	2.5	987
9690	3.0	982
80	4.1	97.1
70	5.4	958
60	9.7	91.5

N 25 20

9660	10.3	909
70	6.2	95.0
80	4.3	96.9
90	3.1	98.1
9700	2.4	98.8
10	2.5	98.7
20	2.7	98.5
30	2.6	98.6

X-section of Silt bed

607.45 BM

2-6-1933

Clavert  $\pi$   
 Wade RA  
 P.O.G. copied

(2)

2.16

609.61

N 2860

E10080	1.7	07.9
70	2.4	07.2
60	2.8	06.8
50	2.9	06.7
40	3.1	06.5
30	3.2	06.4
20	3.5	06.1
10	3.4	06.2
10000	3.4	06.2
990	3.5	06.1
80	3.5	06.1
70	3.9	05.7
60	3.5	06.1
50	3.3	06.3
40	3.1	06.5
30	3.2	06.4
20	3.3	06.3

N 2360

609.61

2-6-33

(57)

E 9910 3.6 06.0

9900 3.5 06.1

890 3.5 06.1

80 3.4 06.2

70 3.5 06.1

60 3.5 06.1

50 3.6 06.0

40 6.2 03.4

30 8.0 01.6

20 9.1 00.5

10 9.4 00.2

9800 9.7 99.9

790 10.2 99.4

780 11.1 98.5

770 11.7 97.9

760 14.3 95.3

N 2350

E 9760 15.0 94.6

70 11.0 98.6

N 2350

609.61

E 9780	10.0	99.6
90	10.2	99.4
9800	9.8	99.8
10	10.1	99.5
20	10.0	99.6
30	9.6	6000
40	7.9	01.7
50	4.0	05.6
60	3.3	06.3
70	3.3	06.3
80	3.2	06.4
90	3.3	06.3
9900	3.3	06.3
10	3.4	06.2
20	3.1	06.5
30	2.8	06.8
40	3.0	06.6
50	2.8	06.8
60	3.1	06.5

2-6-33

(42)

N 2350

609.61

E9970	3.5	06.1
80	3.5	06.1
90	3.3	06.3
10000	3.3	06.3
10	3.3	06.3
20	3.4	06.2
30	3.1	06.5
40	2.9	06.7
50	2.6	07.0
60	2.4	07.2
70	2.2	07.4
80	1.7	07.9

N 2340

E10080	1.4	08.2
70	1.7	07.9
60	2.0	07.6
50	2.4	07.2
40	2.7	06.9
30	2.9	06.7

2-6-33

(17)

N2340  
609.61

2-6-33

(60)

E E10020	3.2	06.4
10	3.1	06.5
10000	3.2	06.4
990	3.2	06.4
80	3.5	06.1
70	3.5	06.1
60	3.2	06.4
50	3.0	06.6
40	3.0	06.6
30	2.9	06.7
20	3.0	06.6
10	3.1	06.5
9900	3.1	06.5
890	3.3	06.3
80	3.3	06.3
70	3.2	06.4
60	3.2	06.4
50	3.2	05.8
40	2.4	01.2

N2340  
609.61

2-6-33

(61)

E9830	9.8	99.8
20	10.7	98.9
10	10.5	99.1
9800	10.1	99.5
790	9.9	99.7
80	10.8	98.8
70	11.9	97.7
60	15.5	94.1

N2330

E9770	14.1	95.5
80	11.5	98.1
90	10.1	99.5
9800	9.8	99.8
10	10.2	99.4
20	10.3	99.3
30	9.7	99.9
40	8.7	00.9
50	4.0	05.6
60	3.2	06.4



N2330  
609.61

E 9870	3.2	06.4
80	3.2	06.4
90	3.1	06.5
9900	3.0	06.6
10	3.0	06.6
20	2.9	06.7
30	2.9	06.7
40	2.8	06.8
50	2.8	06.8
60	3.1	06.5
70	3.6	06.0
80	3.1	06.5
90	3.0	06.6
10000	3.1	06.5
10	3.0	06.6
20	2.9	06.7
30	2.7	06.9
40	2.4	07.2
50	2.1	07.5

2.6.33

62

K2330

609.61<sup>r</sup>

2-6-33

(3)

E10060

1.7

07.9

70

1.3

08.3

80

0.9

08.7

H2320

E10080

0.6

09.0

70

1.6

08.0

60

1.5

08.1

50

1.9

07.7

40

2.3

07.3

30

2.6

07.0

20

2.9

06.7

10

2.9

06.7

10000

2.8

06.8

990

3.0

06.6

80

3.1

06.5

70

3.3

06.3

60

3.0

06.6

50

2.7

06.9

40

2.6

07.0

N2320

609.61

7-6-33

64

E 9930	2.7	06.9
20	2.8	06.8
10	2.9	06.7
9900	2.9	06.7
890	3.0	06.6
80	3.1	06.5
70	3.1	06.5
60	3.0	06.6
50	4.6	05.0
40	8.5	01.1
30	9.7	99.9
20	9.7	99.9
10	9.5	00.1
9800	9.8	99.8
790	9.9	99.7
80	11.6	98.0

N2310

E 9780	11.0	98.6
70	9.7	99.9

N 2310

609.61<sup>4</sup>

E 9800

9.4 00.2

10

9.6 600.0

20

9.4 00.2

30

9.8 99.8

40

8.3 01.3

50

4.6 05.0

60

2.9 06.7

70

3.1 06.5

80

3.0 06.6

90

2.9 06.7

9900

2.9 06.7

10

2.8 06.8

20

2.8 06.8

30

2.6 07.0

40

2.5 07.1

50

2.7 06.9

60

3.1 06.5

70

3.4 06.2

80

3.3 06.3

2-6-53

62

N2310

609.61

2-6-33

66

E9990	3.0	06.6
10000	3.0	06.6
10	2.6	07.0
20	2.8	06.8
30	2.5	07.1
40	2.3	07.3
50	1.9	07.7
60	1.6	08.0
70	1.0	08.6
80	0.5	09.1

N2300

E10080	0.8	08.8
70	1.2	08.4
60	1.7	07.9
50	2.0	07.6
40	2.3	07.3
30	2.5	07.1
20	2.2	06.8
10	2.7	06.9

N 2300  
609.61

R10000	2.9	06.7
9900	2.9	06.7
80	3.4	06.2
70	3.4	06.2
60	3.0	06.6
50	2.7	06.9
40	2.4	07.2
30	2.4	07.2
20	2.6	07.0
10	2.8	06.8
9900	2.7	06.9
890	2.8	06.8
80	2.8	06.8
70	3.0	06.6
60	2.8	06.8
50	5.6	04.0
40	8.9	00.7
30	9.5	00.1
20	9.4	00.2

2-6-33

(67)

N2300  
609.61 ✓

E 9810	9.5	00.1
9800	9.3	00.3
790	10.8	98.8
80	13.7	95.9

N2290

E 9990	14.0	95.6
9800	9.3	00.3
10	9.4	00.2
20	9.3	00.3
30	9.4	00.2
40	8.8	00.8
50	6.5	03.1
60	2.6	07.0
70	2.9	06.7
80	2.8	06.8
90	2.7	06.9
9900	2.6	07.0
10	2.6	07.0
20	2.6	07.0

2-6-33

(60)

N 2290  
609.61

E 9930	2.5	07.1
40	2.5	07.1
50	2.7	06.9
60	3.0	06.6
70	3.2	06.4
80	3.3	06.3
90	2.8	06.8
10 000	2.7	06.9
10	2.6	07.0
20	2.7	06.9
30	2.5	07.1
40	2.2	07.4
50	2.0	07.6
60	1.7	07.9
70	1.4	08.2
80	1.2	08.4

N 2280

10 080	1.4	08.2
70	1.7	07.9

2-6-33

69



N2280

609.61

E10060	1.8	07.8
50	2.1	07.5
40	2.3	07.3
30	2.2	07.4
20	2.5	07.1
10	2.7	06.9
10000	2.6	07.0
990	2.7	06.9
80	3.1	06.5
70	3.1	06.5
60	2.8	06.8
50	2.7	06.9
40	2.6	07.0
30	2.5	07.1
20	2.5	07.1
10	2.6	07.0
9900	2.5	07.1
890	2.7	06.9
80	2.8	06.8

2-6-33

(70)

N 2280  
609.61 ✓

E 9870	2.9	06.7
60	2.6	07.0
50	6.6	03.0
40	9.2	00.4
30	9.5	00.1
20	9.5	00.1
10	9.4	00.2
9800	11.2	98.4

N 2270

9800	13.4	96.2
10	9.4	00.2
20	9.3	00.3
30	9.4	00.2
40	9.3	00.3
50	7.3	02.3
60	3.0	06.6
70	2.7	06.9
80	2.7	06.9
90	2.7	06.9

26.33

(97)

N2270  
609.61

2-6-30

(72)

E9900	2.5	07.1
10	2.6	07.0
20	2.5	07.1
30	2.5	07.1
40	2.7	06.9
50	2.8	06.8
60	2.9	06.7
70	3.0	06.6
80	3.1	06.5
90	2.7	06.9
10000	2.6	07.0
10	2.7	06.9
20	2.6	07.0
30	2.4	07.2
40	2.3	07.3
50	1.9	07.7
60	1.6	08.0
70	1.3	08.3
80	1.2	08.4

N 2260  
607.61 ✓

E 10 080	0.9	08.7
70	1.1	08.5
60	1.5	08.1
50	1.7	07.9
40	2.1	07.5
30	2.3	07.3
20	2.6	07.0
10	2.5	07.1
10 000	2.5	07.1
990	2.4	07.2
80	3.0	06.6
70	2.8	06.8
60	2.7	06.9
50	2.6	07.0
40	2.3	07.3
30	2.4	07.2
20	2.4	07.2
10	2.5	07.1
E 9900	2.4	07.2

2-6-23

(22)

N2260  
609.61

2-6-33

P.O.G Notes

clovert K  
Wade N  
Kearny TP

E 9890		2.5	07.1
80		2.6	07.0
70		2.5	07.1
60		4.0	05.6
50		7.7	01.9
40		9.2	00.4
30		9.5	00.1
20		9.2	00.4
10		10.9	98.7

Level	11.00	618.45		607.45	B.M.
Transit	11.93	630.25			
	<del>10.80</del>	<del>621.17</del>	0.13	618.32	

N2260

E10400		1.0.8	3.10
390		0.2	3.00
380		1.6	2.86
370		2.6	2.76
360		3.7	2.65
350		4.6	2.56
340		5.2	2.50

N 2260

630.25

2-6-33

ROG Notes

clavert T  
Wade Rd  
Kearny Pp

20

E10330	30.2	5.6	24.6
20		5.8	24.4
10		5.9	24.3
10300		5.8	24.4
290		5.7	24.5
280		5.7	24.5
270		5.8	24.4
260		5.8	24.4
250		5.8	24.4
240		6.0	24.2
230		6.2	24.0
220		6.3	23.9
210		6.4	23.8
10200		6.5	23.7
190		7.0	23.2
180		7.5	22.7
170		8.5	21.7
160		10.0	20.2
150		10.9	19.3

N2260  
618.45

E10146	18.5	0.5	18.0
130		2.9	15.6
120		5.2	13.3
110		7.3	11.2
10100		8.5	10.0
10090		9.2	09.3

N2270

E10090		9.4	09.1
10100		8.4	10.1
10		6.8	11.7
20		4.6	13.9
30		2.0	16.5
40	630.25	11.7	18.5
50		10.1	20.1
60		8.9	21.3
70		8.2	22.0
80		7.6	22.6
90		7.2	23.0
10200		6.7	23.5

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P.O.G. Notes

Clavert TA  
Wade RE  
Kearny TP

(76)

N 2290

630.25

E 10 210	6.5	23.7
220	6.5	23.7
230	6.2	24.0
240	6.0	24.2
250	5.9	24.3
260	6.0	24.2
270	5.8	24.4
280	5.8	24.4
290	5.8	24.4
10 300	6.0	24.2
310	6.1	24.1
20	6.1	24.1
30	5.9	24.3
40	5.6	24.6
50	5.0	25.2
60	4.3	25.9
70	3.3	26.9
80	2.2	28.0
90	1.0	29.2
10400	+ 0.3,	+ 305

2-6-33

P.O.G.	Notes
Clavert	K
Wade	Rd
Keerne	TP

(77)



N 2280

630.25

E10400	0.3	29.9
390	1.7	28.5
380	2.9	27.3
70	3.7	26.5
60	4.7	25.5
50	5.4	24.8
40	6.0	24.2
30	6.3	23.9
20	6.2	24.0
10	6.2	24.0
10300	6.2	24.0
290	5.9	24.3
280	5.7	24.5
270	5.9	24.3
260	6.1	24.1
250	5.9	24.3
240	6.1	24.1
230	6.2	24.0
220	6.5	23.7

2-6-33

P.O.G. Notes  
 claverst X  
 Wade RD  
 Kearny TP

(78)

N 2280

630.25

10210	6.5	23.7
200	6.7	23.5
190	7.2	23.0
180	7.7	22.5
170	7.9	22.3
160	8.5	21.7
150	9.6	20.6
140	11.0	19.2
130	11.3	17.2
120	3.6	14.9
110	6.0	12.5
10100	8.0	10.5
90	9.5	9.0

61845

79

