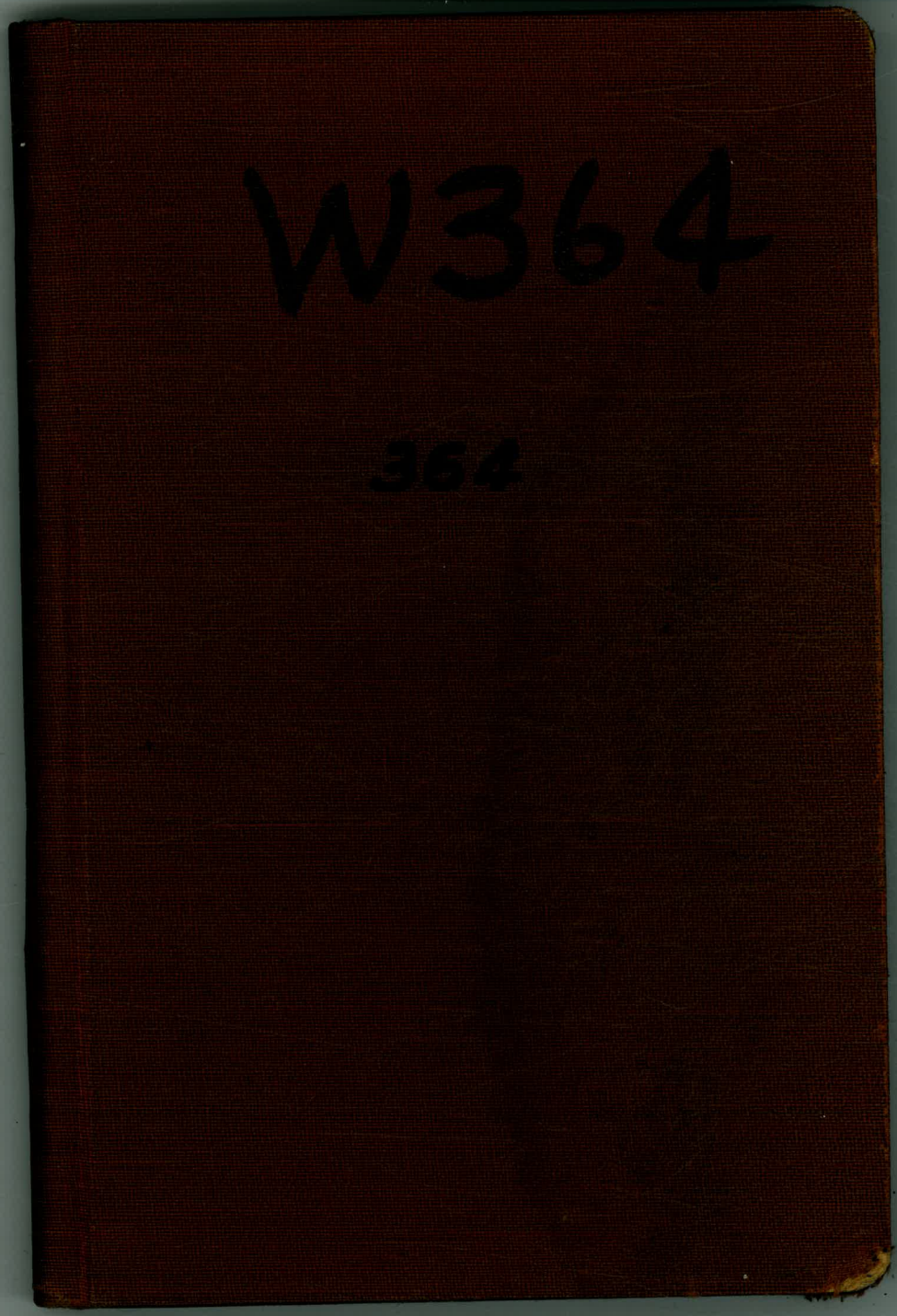
W364
364

364

Tables for Excavations and Embankments.

Distances from Centre of Roadway for Cross Sectioning.

Roadway 22 feet wide. Side Slopes 1 to 1.

For Single Track Excavation.

	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	
0	11.0	11.1	11.2	11.3	11.4	11.5	11.6	11.7	11.8	11.9	0
1	12.0	12.1	12.2	12.3	12.4	12.5	12.6	12.7	12.8	12.9	1
2	13.0	13.1	13.2	13.3	13.4	13.5	13.6	13.7	13.8	13.9	2
3	14.0	14.1	14.2	14.3	14.4	14.5	14.6	14.7	14.8	14.9	3
4	15.0	15.1	15.2	15.3	15.4	15.5	15.6	15.7	15.8	15.9	4
5	16.0	16.1	16.2	16.3	16.4	16.5	16.6	16.7	16.8	16.9	5
6	17.0	17.1	17.2	17.3	17.4	17.5	17.6	17.7	17.8	17.9	6
7	18.0	18.1	18.2	18.3	18.4	18.5	18.6	18.7	18.8	18.9	7
8	19.0	19.1	19.2	19.3	19.4	19.5	19.6	19.7	19.8	19.9	8
9	20.0	20.1	20.2	20.3	20.4	20.5	20.6	20.7	20.8	20.9	9
10	21.0	21.1	21.2	21.3	21.4	21.5	21.6	21.7	21.8	21.9	10
11	22.0	22.1	22.2	22.3	22.4	22.5	22.6	22.7	22.8	22.9	11
12	23.0	23.1	23.2	23.3	23.4	23.5	23.6	23.7	23.8	23.9	12
13	24.0	24.1	24.2	24.3	24.4	24.5	24.6	24.7	24.8	24.9	13
14	25.0	25.1	25.2	25.3	25.4	25.5	25.6	25.7	25.8	25.9	14
15	26.0	26.1	26.2	26.3	26.4	26.5	26.6	26.7	26.8	26.9	15
16	27.0	27.1	27.2	27.3	27.4	27.5	27.6	27.7	27.8	27.9	16
17	28.0	28.1	28.2	28.3	28.4	28.5	28.6	28.7	28.8	28.9	17
18	29.0	29.1	29.2	29.3	29.4	29.5	29.6	29.7	29.8	29.9	18
19	30.0	30.1	30.2	30.3	30.4	30.5	30.6	30.7	30.8	30.9	19
20	31.0	31.1	31.2	31.3	31.4	31.5	31.6	31.7	31.8	31.9	20
21	32.0	32.1	32.2	32.3	32.4	32.5	32.6	32.7	32.8	32.9	21
22	33.0	33.1	33.2	33.3	33.4	33.5	33.6	33.7	33.8	33.9	22
23	34.0	34.1	34.2	34.3	34.4	34.5	34.6	34.7	34.8	34.9	23
24	35.0	35.1	35.2	35.3	35.4	35.5	35.6	35.7	35.8	35.9	24
25	36.0	36.1	36.2	36.3	36.4	36.5	36.6	36.7	36.8	36.9	25
26	37.0	37.1	37.2	37.3	37.4	37.5	37.6	37.7	37.8	37.9	26
27	38.0	38.1	38.2	38.3	38.4	38.5	38.6	38.7	38.8	38.9	27
28	39.0	39.1	39.2	39.3	39.4	39.5	39.6	39.7	39.8	39.9	28
29	40.0	40.1	40.2	40.3	40.4	40.5	40.6	40.7	40.8	40.9	29
30	41.0	41.1	41.2	41.3	41.4	41.5	41.6	41.7	41.8	41.9	30
31	42.0	42.1	42.2	42.3	42.4	42.5	42.6	42.7	42.8	42.9	31
32	43.0	43.1	43.2	43.3	43.4	43.5	43.6	43.7	43.8	43.9	32
33	44.0	44.1	44.2	44.3	44.4	44.5	44.6	44.7	44.8	44.9	33
34	45.0	45.1	45.2	45.3	45.4	45.5	45.6	45.7	45.8	45.9	34
35	46.0	46.1	46.2	46.3	46.4	46.5	46.6	46.7	46.8	46.9	35
36	47.0	47.1	47.2	47.3	47.4	47.5	47.6	47.7	47.8	47.9	36
37	48.0	48.1	48.2	48.3	48.4	48.5	48.6	48.7	48.8	48.9	37
38	49.0	49.1	49.2	49.3	49.4	49.5	49.6	49.7	49.8	49.9	38
39	50.0	50.1	50.2	50.3	50.4	50.5	50.6	50.7	50.8	50.9	39
40	51.0	51.1	51.2	51.3	51.4	51.5	51.6	51.7	51.8	51.9	40

MICROFILMED

Our Leather Bound Engineers Note Books are carried in the following rulings:

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THE FREDERICK POST CO.

ENGINEERING and DRAFTING SUPPLIES

IRVING PARK STATION

CHICAGO, ILL.

N3350 - N3440 - 1-71

N 3350

E	
5700	582.4 ✓
10	79.8 ✓
20	80.9 ✓
30	81.0 ✓
40	81.0 ✓
50	80.6 ✓
60	80.5 ✓
70	80.6 ✓
80	81.2 ✓
90	80.0 ✓
5800	79.4 ✓
10	77.9 ✓
20	77.3 ✓
30	76.4 ✓
40	76.0 ✓
50	76.0 ✓
60	75.3 ✓
70	74.8 ✓
80	73.8 ✓
90	72.9 ✓
5900	72.4 ✓
10	69.8 ✓
20	66.6 ✓
30	64.4 ✓
40	63.3 ✓

N3350

E	
5950	562.6 ✓
60	62.9 ✓
70	62.6 ✓
80	62.6 ✓
90	63.0 ✓
6000	62.9 ✓
10	63.0 ✓
20	62.6 ✓
30	62.6 ✓
40	62.9 ✓
50	63.0 ✓
60	63.1 ✓
70	64.1 ✓
80	64.0 ✓
90	63.2 ✓
6100	62.2 ✓
10	62.2 ✓
20	
30	
40	
50	
60	
70	
80	
90	

not plotted on Base Map

N3360

E	
4230	596.7 ✓
40	97.3 ✓
50	97.2 ✓
60	98.5 ✓
70	96.7 ✓
80	95.0 ✓
90	95.3 ✓
4300	96.4 ✓
10	97.5 ✓
20	00.5 ✓
30	00.7 ✓ interp.
40	00.9 ✓
50	00.3 ✓
60	98.7 ✓
70	97.3 ✓
80	96.3 ✓
90	96.5 ✓
4400	97.4 ✓
10	99.8 ✓
20	97.3 ✓
30	97.1 ✓
40	97.2 ✓
50	96.5 ✓
60	96.9 ✓
70	96.9 ✓

not on Plan Loc

B 341 P 27

N3360

E	
4480	595.8 ✓
90	96.1 ✓
4500	96.4 ✓
10	95.8 ✓
20	97.2 ✓
30	97.1 ✓
40	96.5 ✓
50	95.7 ✓
60	95.4 ✓
70	94.4 ✓
80	97.1 ✓
90	98.9 ✓
4600	99.6 ✓
10	604.3 ✓
20	05.8 ✓
30	06.7 ✓
40	07.9 ✓
50	08.2 ✓
60	08.7 ✓
70	08.6 ✓
80	07.7 ✓
90	08.0 ✓
4700	05.6 ✓
10	06.3 ✓
20	06.3 ✓

N 3360

E	
4730	605.6 ✓
40	04.6 ✓
50	01.3 ✓
60	01.4 ✓
70	99.5 ✓
80	96.9 ✓
90	94.6 ✓
4800	92.5 ~~97.5~~ ✓
10	91.1 ✓
20	89.4 ✓
30	87.1 ✓
40	88.2 ✓
50	87.5 ✓
60	86.1 ✓
70	85.5 ✓
80	85.6 ✓
90	85.1 ✓
4900	86.1 ✓
10	84.9 ✓
20	84.6 ✓
30	85.3 ✓
40	84.4 ✓
50	84.9 ✓
60	84.8 ✓
70	83.9 ✓

✓

N3360

E		
4980	585.1	✓
90	84.5	✓
5000	83.9	✓
10	84.5	✓
20	84.7	✓
30	85.7	✓
40	84.4	✓
50	85.2	✓
60	85.5	✓
70	84.8	✓
80	84.9	✓
90	85.3	✓
5100	86.4	✓
10	88.9	✓
20	89.7	✓
30	91.2	✓
40	91.8	✓
50	92.8	✓
60	91.9	✓
70	90.7	✓
80	90.9	✓
90	92.7	✓
5200	96.4	✓
10	98.9	✓
20	00.5	✓

✓

N3360

E		
5230	602.1	✓
40	03.7	✓
50	05.3	✓
60	08.4	✓
70	10.4	✓
80	10.7	✓
90	11.7	✓
5300	12.9	✓
10	14.4	✓
20	15.9	✓
30	16.6	✓
40	16.8	✓
50	17.0	✓
60	17.5	✓
70	17.4	✓
80	17.1	✓
90	18.6	✓
5400	18.1	✓
10	19.1	✓
20	21.1	✓
30	21.4	✓
40	19.9	✓
50	20.3	✓
60	20.4	✓
70	19.0	✓

✓

N 3360

E	
5480	619.9 ✓
90	20.2 ✓
5500	18.5 ✓
10	16.3 ✓
20	13.2 ✓
30	10.9 ✓
40	09.0 ✓
50	06.7 ✓
60	04.0 ✓
70	00.4 ✓
80	97.3 ✓
90	93.8 ✓
5600	91.3 ✓
10	89.6 ✓
20	88.1 ✓
30	85.2 ✓
40	82.5 ✓
50	81.9 ✓
60	82.0 ✓
70	82.1 ✓
80	82.2 ✓
90	82.1 ✓
5700	82.0 ✓
10	80.6 ✓
20	80.4 ✓

✓

N 3360

E	
5730	580.3 ✓
40	80.6 ✓
50	80.9 ✓
60	81.7 ✓
70	80.1 ✓
80	78.9 ✓
90	77.5 ✓
5800	77.0 ✓
10	76.2 ✓
20	75.8 ✓
30	75.7 ✓
40	75.6 ✓
50	75.2 ✓
60	74.0 ✓
70	73.2 ✓
80	72.7 ✓
90	70.1 ✓
5900	68.4 ✓
10	66.6 ✓
20	63.8 ✓
30	63.1 ✓
40	62.7 ✓
50	62.9 ✓
60	62.8 ✓
70	62.8 ✓

✓

not on base line

N3360

E		
5980	562.7	✓
90	62.9	✓
6000	63.1	✓
10	62.5	✓
20	62.5	✓
30	63.0	✓
40	63.5	✓
50	62.8	✓
60	64.2	✓
70	63.9	✓
80	62.9	✓
90	62.3	✓
6100	62.3	✓
10	60.6	✓
20		
30		
40		
50		

not on Dam [illegible]

N 3370

E		
4220	592.5	✓
30	93.4	✓
40	93.6	✓
50	93.9	✓
60	93.8	✓
70	93.2	✓
80	92.1	✓
90	92.2	✓
4300	93.1	✓
10	93.7	✓
20	94.9	✓
30	95.7	✓
40	96.6	✓
50	96.3	✓
60	94.6	✓
70	94.0	✓
80	92.7	✓
90	92.9	✓
4400	93.7	✓
10	94.5	✓
20	92.4	✓
30	92.8	✓
40	93.8	✓
50	93.2	✓
60	92.7	✓

not on Dam line m.

✓

N3370

E	
4470	591.8 ✓
80	91.3 ✓
90	91.9 ✓
4500	91.6 ✓
10	92.6 ✓
20	93.4 ✓
30	93.7 ✓
40	91.5 ✓
50	91.3 ✓
60	91.1 ✓
70	~~94.6~~ 94.4 ✓
80	96.6 ✓
90	97.4 ✓
4600	97.9 ✓
10	00.4 ✓
20	05.3 ✓
30	04.9 ✓
40	05.6 ✓
50	06.0 ✓
60	05.9 ✓
70	07.6 ✓
80	06.1 ✓
90	05.0 ✓
4700	02.8 ✓
10	02.5 ✓

✓

N 3370

E		
4720	602.9	✓
30	01.8	✓
40	00.6	✓
50	98.3	✓
60	96.5	✓
70	95.4	✓
80	91.2	✓
90	89.8	✓
4800	89.0	✓
10	86.5	✓
20	84.8	✓
30	82.9	✓
40	82.1	✓
50	81.2	✓
60	81.6	✓
70	81.1	✓
80	82.5	✓
90	81.4	✓
4900	81.7	✓
10	82.1	✓
20	81.0	✓
30	81.1	✓
40	81.2	✓
50	80.9	✓
60	80.8	✓

N3370

E

4970	581.3	✓
80	81.3	✓
90	80.3	✓
5000	80.8	✓
10	80.7	✓
20	80.7	✓
30	79.9	✓
40	81.3	✓
50	81.7	✓
60	82.3	✓
70	82.2	✓
80	82.9	✓
90	83.6	✓
5100	83.6	✓
10	84.8	✓
20	87.2	✓
30	87.5	✓
40	88.4	✓
50	88.9	✓
60	88.1	✓
70	87.7	✓
80	88.4	✓
90	91.2	✓
5200	94.8 ~~90.8~~	✓
10	95.6	✓

✓

N3370

E	
52200	598.1 ✓
30	99.8 ✓
40	01.0 ✓
50	03.2 ✓
60	04.1 ✓
70	05.3 ✓
80	07.3 ✓
90	09.3 ✓
53 00	11.2 ✓
10	11.5 ✓
20	12.3 ✓
30	13.3 ✓
40	13.8 ✓
50	13.5 ✓
60	13.3 ✓
70	12.8 ✓
80	13.1 ✓
90	14.4 ✓
5400	14.4 ✓
10	14.2 ✓
20	15.9 ✓
30	15.0 ✓
40	16.1 ✓
50	17.2 ✓
60	17.9 ✓

✓

N3370

E	
5470	616.7 ✓
80	16.9 ✓
90	16.8 ✓
5500	15.2 ✓
10	13.2 ✓
20	10.2 ✓
30	07.9 ✓
40	05.7 ✓
50	03.1 ✓
60	01.0 ✓
70	97.0 ✓
80	95.3 ✓
90	91.1 ✓
5600	90.4 ✓
10	88.3 ✓
20	86.6 ✓
30	84.2 ✓
40	81.2 ✓
50	81.5 ✓
60	81.3 ✓
70	81.1 ✓
80	80.9 ✓
90	81.0 ✓
5700	80.2 ✓
10	80.5 ✓

✓

N 3370

E		
5720	579.3	✓
30	79.4	✓
40	80.4	✓
50	79.4	✓
60	78.8	✓
70	78.5	✓
80	77.2	✓
90	76.7	✓
5800	76.0	✓
10	75.6	✓
20	75.4	✓
30	74.7	✓
40	74.3	✓
50	74.1	✓
60	73.0	✓
70	70.2	✓
80	69.4	✓
90	67.6 ~~67.7~~	✓
5900	66.3	✓
10	63.6	✓
20	63.1	✓
30	63.1	✓
40	62.9	✓
50	62.8	✓
60	62.8	✓

✓

not on Dam line n

N3370

E		
5970	562.7	✓
80	62.9	✓
90	62.9	✓
6000	62.8	✓
10	62.6	✓
20	62.9	✓
30	63.3	✓
40	63.5	✓
50	63.1	✓
60	63.4	✓
70	63.0	✓
80	62.6	✓
90	62.0	✓
6100	60.2 ~~62.2~~	✓
10		
20		
30		
40		
50		

not on Base Sec m

N3380

E		
4210	588.5	✓
20	87.9	✓
30	88.1	✓
40	89.9	✓
50	91.4	✓
60	90.9	✓
70	89.4	✓
80	89.6	✓
90	88.6	✓
4300	89.4	✓
10	90.2	✓
20	91.2	✓
30	92.4	✓
40	92.9	✓
50	91.4	✓
60	89.4	✓
70	89.3	✓
80	87.9	✓
90	88.2	✓
4400	90.3	✓
10	89.9	✓
20	87.5	✓
30	88.1	✓
40	91.2	✓
50	88.7	✓

not on Dam Sec. m.

✓

N3380

E	
4460	588.1 ✓
70	87.4 ✓
80	86.6 ✓
90	~~86.4~~ 87.1 ✓
4500	~~89.1~~ ✓
10	88.0 ✓
20	88.6 ✓
30	88.2 ✓
40	88.3 ✓
50	89.2 ✓
60	91.2 ✓
70	93.1 ✓
80	~~96.6~~ 94.6 ✓
90	95.5 ✓
4600	96.0 ✓
10	97.6 ✓
20	601.4 ✓
30	01.2 ✓
40	01.6 ✓
50	04.9 ✓
60	04.4 ✓
70	05.3 ✓
80	593.7 ✓
90	600.3 ✓
4700	98.6 ✓

✓

N3380

E	
4910	598.5
20	98.8
30	97.3
40	96.7
50	95.9
60	92.6
70	90.7
80	87.1
90	86.3
4800	84.4
10	81.3
20	79.9
30	80.0
40	79.0
50	78.0
60	77.6
70	77.8
80	77.5
90	77.4
4900	77.9
10	77.3
20	77.4
30	76.9
40	76.8
50	77.1

N3380

E	
4960	581.1
70	80.8
80	80.4
90	78.6
5000	76.3
10	76.7
20	76.8
30	77.3
40	77.4
50	78.1
60	78.7
70	79.2
80	79.8
90	80.0
5100	80.1
10	~~80.3~~ 80.1
20	80.5
30	83.9
40	84.7
50	85.2
60	85.1
70	85.9
80	87.1
90	89.3
5200	91.3

N3380

E	
5210	592.4 ✓
20	93.8 ✓
30	95.5 ✓
40	97.4 ✓
50	99.7 ✓
60	600.8 ✓
70	01.5 ✓
80	03.8 ✓
90	05.2 ✓
5300	09.2 ✓
10	08.3 ✓
20	08.5 ✓
30	10.4 ✓
40	09.5 ✓
50	09.2 ✓
60	09.4 ✓
70	10.1 ✓
80	09.3 ✓
90	09.9 ✓
5400	10.1 ✓
10	09.8 ✓
20	10.0 ✓
30	10.6 ✓
40	10.7 ✓
50	11.5 ✓

✓

N3380

E	
5460	612.2 ✓
70	13.1 ✓
80	12.7 ✓
90	09.2 ✓
5500	09.4 ✓
10	10.1 ✓
20	06.7 ✓
30	04.4 ✓
40	01.8 ✓
50	99.8 ✓
60	97.6 ✓
70	93.8 ✓
80	91.7 ✓
90	88.8 ✓
5600	87.8 ✓
10	86.3 ✓
20	85.1 ✓
30	83.0 ✓
40	80.7 ✓
50	80.7 ✓
60	80.5 ✓
70	80.2 ✓
80	80.1 ✓
90	79.9 ✓
5700	80.1 ✓

✓

N3380

E		
5710	580.2	✓
20	78.9	✓
30	76.7	✓
40	76.1	✓
50	75.4	✓
60	78.0	✓
70	77.5	✓
80	76.2	✓
90	75.5	✓
5800	75.0	✓
10	73.9	✓
20	74.6	✓
30	73.8	✓
40	73.1	✓
50	72.7	✓
60	70.9	✓
70	68.4	✓
80	67.2	✓
90	66.2	✓
5900	63.4	✓
10	62.8	✓
20	62.7	✓
30	62.9	✓
40	62.7	✓
50	62.8	✓

✓

not on Dam Sec in

N3380

E	
5960	56.26 ✓
70	62.5 ✓
80	63.0 ✓
90	62.8 ✓
6000	62.4 ✓
10	62.5 ✓
20	63.0 ✓
30	63.3 ✓
40	63.6 ✓
50	63.1 ✓
60	62.7 ✓
70	62.8 ✓
80	62.1 ✓
90	61.3 ✓
6100	
10	
20	
30	
40	
50	
60	
70	
80	
90	

not on drawing

N 3390

E		
4200	584.9	✓
10	84.8	✓
20	85.0	✓
30	84.5	✓
40	85.7	✓
50	85.9	✓
60	86.9	✓
70	86.7	✓
80	86.8	✓
90	85.9	✓
4300	86.1	✓
10	86.6	✓
20	87.7	✓
30	88.6	✓
40	89.2	✓
50	87.1	✓
60	85.3	✓
70	85.5	✓
80	84.4	✓
90	84.7	✓
4400	85.7	✓
10	85.5	✓
20	84.2	✓
30	83.4	✓
40	84.6	✓

not on dam See

N 3390

E	
4450	583.4 ✓
60	83.7 ✓
70	82.9 ✓
80	82.0 ✓
90	82.4 ✓
4500	83.2 ✓
10	83.7 ✓
20	84.7 ✓
30	85.1 ✓
40	85.9 ✓
50	86.8 89.4 ✓
60	~~89.6~~ ✓
70	90.9 ✓
80	92.8 ✓
90	93.3 ✓
4600	95.2 ✓
10	94.9 ✓
20	97.6 ✓
30	98.3 ✓
40	98.8 ✓
50	600.3 ✓
60	02.8 ✓
70	01.9 ~~02.7~~ ✓
80	98.5 ✓
90	97.4 ✓

✓

N3390

E	
4700	595.5
10	94.7
20	94.8
30	93.6
40	93.3
50	90.7
60	89.1
70	88.1
80	83.6
90	81.4
4800	78.9
10	78.6
20	77.5
30	76.8
40	76.1
50	76.1
60	74.5
70	74.7
80	72.6
90	72.5
4900	72.1
10	72.7
20	72.8
30	72.6
40	72.6

N 3390

E	
4950	574.3 ✓
60	76.8 ✓
70	76.9 ✓
80	76.9 ✓
90	74.3 ✓
5000	75.1 ✓
10	76.2 ✓
20	76.8 ✓
30	77.2 ✓
40	77.9 ✓
50	77.6 ✓
60	79.0 ✓
70	78.8 ✓
80	79.5 ✓
90	80.1 ✓
5100	80.6 ✓
10	80.6 ✓
20	80.3 ✓
30	80.6 ✓
40	~~80.5~~ 80.7 ✓
50	81.2 ✓
60	83.8 ✓
70	84.6 ✓
80	85.2 ✓
90	87.4 ✓

N3390

E	
5200	588.9 ✓
10	90.4 ✓
20	91.5 ✓
30	92.9 ✓
40	94.3 ✓
50	97.8 ✓
60	99.1 ✓
70	97.7 ✓
80	98.8 ✓
90	99.2 ✓
5300	01.7 ✓
10	02.8 ✓
20	03.9 ✓
30	03.7 ✓
40	04.9 ✓
50	05.7 ✓
60	07.0 ✓
70	05.1 ✓
80	04.8 ✓
90	05.5 ✓
5400	06.4 ✓
10	06.7 ✓
20	06.8 ✓
30	06.5 ✓
40	06.2 ✓

✓

N 3350

E		
5450	607.3	✓
60	07.6	✓
70	07.0	✓
80	09.2	✓
90	05.7	✓
5500	05.7	✓
10	02.7	✓
20	01.1	✓
30	00.3	✓
40	99.5	✓
50	96.4 ~~94.6~~	✓
60	94.1	✓
70	91.5	✓
80	88.6	✓
90	86.8	✓
5600	85.6	✓
10	83.8	✓
20	83.1	✓
30	81.7	✓
40	79.9	✓
50	80.0	✓
60	79.9	✓
70	79.6	✓
80	79.5	✓
90	79.6 ~~76.6~~	✓

✓

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N3390

E		
5700	580.0 ~~586.0~~	✓
10	80.0	✓
20	79.9	✓
30	79.4	✓
40	75.4	✓
50	74.8	✓
60	76.6	✓
70	76.6	✓
80	76.4	✓
90	75.9	✓
5800	75.3	✓
10	74.2	✓
20	73.4	✓
30	72.8	✓
40	71.4	✓
50	69.5	✓
60	69.1	✓
70	67.9	✓
80	65.6	✓
90	62.8	✓
5900	62.7	✓
10	62.6	✓
20	62.8	✓
30	62.7	✓
40	62.8	✓

✓

not on Dam [illegible]

B 339 - P73

N3390

E		
5950	562.9	✓
60	62.3	✓
70	62.7	✓
80	62.5	✓
90	62.2 ~~62.6~~	✓
6000	62.1	✓
10	62.6	✓
20	62.9	✓
30	63.4	✓
40	63.4	✓
50	62.6	✓
60	62.6	✓
70	62.3	✓
80	61.8	✓
90	60.1	✓
6100		
10		
20		
30		
40		
50		
60		
70		
80		
90		

not on Dec 1 m

B 339 P 55

N3400

E		
4190	581.3	✓
4200	81.1	✓
10	81.3	✓
20	82.8	✓
30	81.4	✓
40	82.4	✓
50	83.4	✓
60	84.3	✓
70	84.3	✓
80	83.7	✓
90	83.6	✓
4300	83.1	✓
10	83.3	✓
20	83.3	✓
30	84.9	✓
40	83.7	✓
50	81.7	✓
60	81.0	✓
70	80.4	✓
80	80.4	✓
90	80.2	✓
4400	80.6	✓
10	80.2	✓
20	79.9	✓
30	80.5	✓

not on Boundary

N 3400

E	
4440	579.5 ✓
50	79.8 ✓
60	~~78.4~~ 79.4 ✓
70	80.0 ✓
80	79.2 ✓
90	78.8 ✓
4500	79.1 ✓
10	79.5 ✓
20	80.9 ✓
30	~~83.8~~ 84.7 ✓
40	~~80.7~~ ✓
50	85.3 ✓
60	86.2 ✓
70	87.8 ✓
80	90.8 ✓
90	90.2 ✓
4600	90.5 ✓
10	93.1 ✓
20	91.3 ✓
30	93.0 ✓
40	95.0 ✓
50	95.6 ✓
60	97.9 ✓
70	97.7 ✓
80	97.5 ✓

N 3400

E	
4690	594.6
4700	93.3
10	91.6
20	91.2
30	90.3
40	89.6
50	87.6
60	86.4
70	85.1
80	80.8
90	78.8
4800	78.0
10	76.4
20	75.3
30	74.7
40	72.7
50	71.2
60	70.9
70	71.3
80	71.7
90	71.9
4900	72.2
10	72.4
20	72.4
30	72.6

N3400

E	
4940	572.7 ✓
50	72.8 ✓
60	72.9 ✓
70	73.2 ✓
80	73.4 ✓
90	74.1 ✓
5000	74.3 ✓
10	74.2 ✓
20	74.0 ✓
30	74.1 ✓
40	74.8 ✓
50	75.4 ✓
60	76.0 ✓
70	76.3 ✓
80	76.5 ✓
90	77.0 ✓
5100	77.5 ✓
10	77.8 ✓
20	79.8 ✓
30	80.5 ✓
40	80.5 ✓
50	81.1 ✓
60	81.4 ✓
70	82.4 ✓
80	83.1 ✓

✓

N3400

E	
5150	5·84.7 ✓
	86.4
5200.	~~86.7~~ ✓
10	87.5 ✓
20	88.9 ✓
30	89.9 ✓
40	90.7 ✓
50	91.7 ✓
60	93.0 ✓
70	94.1 ✓
80	95.2 ✓
90	96.4 ✓
5300	98.0 ✓
10	98.9 ✓
20	00.2 ✓
30	99.6 ✓
40	00.2 ✓
50	00.3 ✓
60	99.0 ✓
70	600.0 ✓
80	00.6 ✓
90	00.4 ✓
5400	01.6 ✓
10	01.6 ✓
20	01.2 ✓
30	01.6 ✓

N3400

E	
5440	602.6
50	02.3
60	02.8
70	00.5
80	00.2
90	00.2
5500	00.2
10	99.2
20	97.2
30	96.0
40	94.5
50	91.2
60	89.4
70	87.1
80	85.7
90	84.5
5600	83.3
10	81.7
20	81.4
30	79.8
40	79.2
50	78.4
60	78.7
70	79.0
80	79.3

N 3400

E

5690	579.4	✓
5700	79.4	✓
10	79.3	✓
20	78.7	✓
30	78.5	✓
40	78.3	✓
50	76.0	✓
60	73.6	✓
70	74.3	✓
80	75.6	✓
90	75.4	✓
5800	75.0	✓
10	74.4 ~~74.7~~	✓
20	71.8	✓
30	70.2	✓
40	68.8	✓
50	66.9	✓
60	65.2	✓
70	63.9	✓
80	62.6	✓
90	63.0	✓
5900	62.7	✓
10	62.6	✓
20	62.7	✓
30	63.0	✓

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N3400

E	
5940	5' 62.7 ✓
50	63.2 ✓
60	61.9 ✓
70	63.2 ✓
80	62.6 ✓
90	62.3 ✓
6000	62.2 ✓
10	62.3 ✓
20	63.2 ✓
30	63.3 ✓
40	62.9 ✓
50	62.5 ✓
60	62.2 ✓
70	61.8 ✓
80	60.1 ✓
90	
6100	

next on Drawing No

N3410

E		
4180	577.9	✓
90	77.9	✓
4200	78.1	✓
10	77.8	✓
20	78.8	✓
30	78.8	✓
40	80.4	✓
50	81.5	✓
60	82.0	✓
70	81.6	✓
80	80.5	✓
90	80.0	✓
4300	80.0	✓
10	79.9	✓
20	79.8	✓
30	80.0	✓
40	79.0	✓
50	78.5	✓
60	78.2	✓
70	77.8	✓
80	77.9	✓
90	77.2	✓
4400	76.6	✓
10	76.5	✓
20	77.0	✓

Must on Base line

N3410

E	
4430	577.5 ✓
40	76.5 ✓
50	76.7 ✓
60	~~76.8~~ 75.3 ✓
70	~~75.8~~ ✓
80	76.3 ✓
90	76.0 ✓
4500	77.1 ✓
10	78.7 ✓
20	81.5 ✓
30	82.2 ✓
40	82.9 ✓
50	84.6 ✓
60	~~85.6~~ 85.4 ✓
70	86.0 ✓
80	87.1 ✓
90	87.9 ✓
4600	87.2 ✓
10	87.7 ✓
20	87.8 ✓
30	89.0 ✓
40	90.9 ✓
50	93.2 ✓
60	94.6 ✓
70	94.7 ✓

N3410

E	
4680	592.4 ✓
90	91.7 ✓
4700	90.6 ✓
10	88.9 ✓
20	87.7 ✓
30	87.4 ~~87.6~~ ✓
40	87.0 ✓
50	85.2 ✓
60	83.9 ✓
70	81.6 ✓
80	78.4 ✓
90	76.5 ✓
4800	75.6 ✓
10	74.3 ✓
20	72.1 ✓
30	69.9 ✓
40	70.3 ✓
50	70.6 ✓
60	70.9 ✓
70	71.1 ✓
80	71.2 ✓
90	71.3 ✓
4900	71.2 ✓
10	71.1 ✓
20	71.2 ✓

✓

N 3410

E		
4930	57.1.7	✓
40	71.2	✓
50	65.4	✓
60	62.9	✓
70	68.6	✓
80	64.8	✓
90	~~66.6~~	✓
5000	66.1 O.K. ~~66.1~~	✓
10	72.9	✓
20	73.1	✓
30	73.4	✓
40	73.4	✓
50	72.8	✓
60	74.3	✓
70	74.7	✓
80	75.3	✓
90	75.4	✓
5100	75.4	✓
10	76.2	✓
20	76.9	✓
30	77.6	✓
40	78.4	✓
50	79.6	✓
60	80.2	✓
70	80.3	✓

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N 3410

E	
5180	80.1
90	82.2
5200	83.0
10	84.5
20	85.7
30	87.1
40	87.6
50	88.5
60	89.5
70	91.1
80	92.5
90	93.1
5300	93.3
10	94.3
20	93.8
30	94.9
40	94.5
50	95.1
60	95.2
70	95.5
80	96.6
90	99.2
5400	97.6
10	99.0
20	98.4

N3410

E	
5430	597.8 ✓
40	97.6 ✓
50	97.9 ✓
60	98.2 ✓
70	96.10 ✓
80	96.7 ✓
90	96.9 ✓
5500	94.5 ✓
10	93.8 ✓
20	93.8 ✓
30	91.8 ✓
40	90.6 ✓
50	87.8 ✓
60	85.6 ✓
70	84.1 ✓
80	82.9 ✓
90	81.4 ✓
5600	80.2 ✓
10	79.0 ✓
20	78.2 ✓
30	77.5 ✓
40	77.8 ✓
50	78.5 ✓
60	78.8 ✓
70	78.9 ✓

N 3410

E				
5680		578.7	✓	
90		78.7	✓	
5700		78.5	✓	
10		78.1	✓	
20		77.7	✓	
30		77.5	✓	
40		77.3	✓	
50		76.9	✓	
60		76.4	✓	
70		74.3	✓	
80		71.9	✓	
90		72.7	✓	
5800		74.6	✓	
10		71.9	✓	
20		69.1	✓	
30		68.0	✓	
40		66.1	✓	
50		64.3	✓	
60		63.7	✓	
70		62.7	✓	
80		62.9	✓	
90		62.7	✓	
5900	62.6	~~74.6~~	✓	✓
10	62.6	~~71.9~~	✓	
20	63.8	~~69.1~~	✓	Not on Base Line

B339 P46

12 47

4 48

N 3410

E				
5930	563.1 ~~568.0~~	✓	B339	P49
40	63.0 ~~66.1~~	✓	"	50
50	62.4 ~~64.3~~	✓		51
60	62.4 ~~63.7~~	✓	"	52
70	64.1 ~~62.7~~	✓	"	53
80	62.6 ~~62.9~~	✓	"	54
90	62.0 ~~62.7~~	✓	"	55
6000	62.1 ~~62.6~~	✓	"	56
10	62.7 ~~62.6~~	✓	"	57
20	63.3 ~~63.8~~	✓	"	58
30	63.2 ~~63.1~~	✓	"	58
40	62.9 ~~63.0~~	✓	"	59
50	62.4	✓	"	60
60	61.5 ~~62.4~~	✓	"	60
70	59.8 ~~61.4~~	✓		
80				
90				
6100				
10				
20				
30				
40				
50				
60				
70				

not on Dam Sec m

N3420

E

4110	566.7	✓
20	67.7	✓
30	69.0	✓
40	68.6	✓
50	68.8	✓
60	69.3	✓
70	69.4	✓
80	73.4	✓
90	74.2	✓
4200	74.8	✓
10	74.3	✓
20	76.0	✓
30	76.6	✓
40	76.5	✓
50	77.3 ~~77.5~~	✓
60	78.3	✓
70	78.6	✓
80	77.7	✓
90	77.6	✓
4300	76.0	✓
10	74.7	✓
20	74.9	✓
30	74.6	✓
40	74.5	✓
50	75.7	✓

not on same line as M

✓

N 3420

E	
4360	575.6 ✓
70	74.7 ✓
80	74.6 ✓
90	74.5 ✓
4400	73.9 ✓
10	74.2 ✓
20	74.8 ✓
30	74.4 ✓
40	74.6 ✓
50	74.2 ✓
60	73.7 ✓
70	72.5 ✓
80	73.3 ✓
90	75.5 ✓
4500	76.3 ✓
10	78.6 ✓
20	79.7 ✓
30	79.8 ✓
40	81.2 ✓
50	83.1 ✓
60	84.5 ✓
70	84.6 ✓
80	85.9 ✓
90	84.2 ✓
4600	83.8 ✓

✓

N 3420

E

4610	584.5	✓
	85.6	
20	~~85.9~~	✓
30	86.9	✓
40	89.3	✓
50	89.8	✓
60	92.1	✓
70	90.6	✓
80	90.1	✓
	89.4	
90	~~85.6~~	✓
4700	87.9	✓
10	86.6	✓
20	84.4	✓
30	83.5	✓
40	83.1	✓
50	82.0	✓
60	80.0	✓
70	78.4	✓
80	76.1	✓
90	74.4	✓
4800	71.6	✓
10	69.7	✓
20	69.8	✓
30	69.9	✓
40	70.2	✓
50	70.2	✓

✓

N 3420

E	
4860	5-69.9 ✓
70	70.2 ✓
80	70.1 ✓
90	69.8 ✓
4900	69.8 ✓
10	65.1 ✓
20	61.4 ✓
30	59.1 ✓
40	58.5 ✓
50	58.2 ✓
60	58.5 ✓
70	60.1 ✓
80	58.6 ✓
90	59.1 ✓
5000	59.2 ✓
10	59.5 ✓
20	61.5 ✓
30	62.8 ✓
40	67.6 ✓
50	73.1 ~~70.1~~ ✓
60	73.2 ✓
70	73.4 ✓
80	74.9 ✓
90	73.8 ✓
5100	74.7 ✓

✓

N3420

E	
5110	574.5
20	75.4
30	75.8
40	76.4
50	77.3
60	78.3
70	79.2
80	80.1
90	79.5
5200	78.9
10	80.4
20	82.2
30	83.1
40	84.6
50	85.3
60	86.1
70	87.0
80	89.3
90	90.6
5300	89.4
10	89.2
20	89.4
30	91.4
40	90.6
50	91.6

N3420

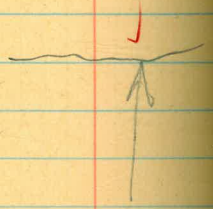
E	
5360.	591.1 ✓
70	91.3 ✓
80	91.7 ✓
90	91.7 ✓
5400	92.3 ✓
10	93.2 ✓
20	92.6 ✓
30	92.7 ✓
40	93.0 ✓
50	92.9 ✓
60	92.1 ✓
70	92.2 ✓
80	92.7 ✓
90	91.2 ✓
5500	91.1 ✓
10	90.7 ✓
20	89.1 ✓
30	89.8 ✓
40	83.4 ✓
50	81.8 ✓
60	81.2 ✓
70	82.3 ✓
80	79.3 ✓
90	77.7 ✓
5600	76.4 ✓

N3420

E		
5610	576.6	✓
20	77.0	✓
30	77.6	✓
40	78.1	✓
50	78.4	✓
60	78.5	✓
70	78.2	✓
80	77.9	✓
90	77.5	✓
5700	77.2	✓
10	77.1	✓
20	77.3	✓
30	76.8	✓
40	76.5	✓
50	76.2	✓
60	75.7	✓
70	75.1	✓
80	70.9	✓
90	71.1	✓
5800	72.1	✓
10	68.7	✓
20	67.3	✓
30	65.2	✓
40	64.2	✓
50	63.7	✓

N3420

E		
5860	563.1	✓
70	62.5	✓
80	62.4	✓
90	62.7	✓
5900	62.5	✓
10	64.0	✓
20	63.4	✓
30	62.7	✓
40	62.6	✓
50	62.4	✓
60	62.9	✓
70	63.1	✓
80	62.6	✓
90	61.7	✓
6000	61.8	✓
10	62.7	✓
20	63.2	✓
30	62.9	✓
40	62.6	✓
50	61.4	✓
60	60.9	✓



not on Dam bed

N 3430

E		
4100	560.6	✓
10	61.0	✓
20	61.5	✓
30	64.1	✓
40	65.5	✓
50	67.6	✓
60	69.6	✓
70	70.0	✓
80	70.3	✓
90	70.8	✓
4200	71.3	✓
10	72.0	✓
20	72.4	✓
30	72.7	✓
40	72.7	✓
50	72.7	✓
60	72.8	✓
70	72.4	✓
80	72.1	✓
90	71.8	✓
4300	70.7	✓
10	70.0	✓
20	69.8	✓
30	69.7	✓
40	69.6	✓

not on Dam Sec

N 34-30

E	
4350	569.9 ✓
60	69.7 ✓
70	69.4 ✓
80	69.8 ✓
90	69.5 ✓
4400	70.3 ✓
10	71.7 ✓
20	72.5 ✓
30	72.4 ✓
40	72.7 ✓
50	71.9 ✓
60	70.1 ✓
70	71.7 ✓
80	73.5 ✓
90	74.5 ✓
4500	76.0 ✓
10	77.9 ✓
20	78.0 ✓
30	79.4 ~~79.6~~ ✓
40	80.2 ✓
50	80.8 ✓
60	80.6 ✓
70	81.4 ✓
80	81.6 ✓
90	82.4 ✓

N 34-30

E			
4600		582.0	✓
10		82.7	✓
20		83.1	✓
30		85.0 ~~80.5~~	✓
40	o.k. 85.3	~~85.3~~	✓
50		85.6	✓
60		88.1	✓
70		87.9	✓
80		87.3	✓
90		86.8	✓
4700		85.3	✓
10		83.3	✓
20		81.4	✓
30		81.3	✓
40		80.5	✓
50		78.7	✓
60		76.8	✓
70		75.5	✓
80		72.7	✓
90		69.3	✓
4800		69.5	✓
10		69.2	✓
20		69.0	✓
30		69.1	✓
40		69.1	✓

B 34 P 41

N 3430

E		
4850	564.6	✓
60	64.6	✓
70	62.2	✓
80	60.1	✓
90	60.0	✓
4900	58.4	✓
10	~~57.6~~	✓ o.k
20	57.3	✓
30	57.4	✓
40	57.6	✓
50	57.5	✓
60	57.5	✓
70	58.6	✓
80	58.8	✓
90	59.2	✓
5000	59.1	✓
10	59.1	✓
20	59.1	✓
30	59.5	✓
40	60.5	✓
50	64.5	✓
60	72.2	✓ *
70	72.4 ~~71.4~~	✓
80	72.8	✓
90	72.9 ~~71.0~~	✓

✓

N 3430

E	
5100	573.2 ✓
10	73.4 ✓
20	73.8 ✓
30	74.4 ✓
40	75.0 ✓
50	75.6 ✓
60	76.3 ✓
70	76.4 ✓
80	77.9 ✓
90	78.8 ✓
5200	79.4 ✓
10	78.8 ✓
20	78.6 ✓
30	79.6 ✓
40	81.4 ✓
50	82.1 ✓
60	82.8 ✓
70	83.0 ✓
80	83.6 ✓
90	84.6 ✓
5300	~~84.6~~ 84.4 ✓
10	85.2 ✓
20	85.7 ✓
30	85.6 ✓
40	86.0 ✓

N 3430

E	
5350	587.0
60	87.1
70	87.6
80	87.7
90	87.8
5400	88.3
10	90.4
20	89.5
30	89.7
40	89.0
50	89.2
60	88.3
70	88.4
80	86.9
90	86.7
5500	85.3
10	~~84.2~~ 84.4
20	82.8
30	80.8
40	77.6
50	78.0
60	77.4
70	76.6
80	76.1
90	76.0

N3430

E	
5600	576.4
10	76.9
20	77.2
30	77.6
40	78.1
50	77.8
60	77.6
70	77.3
80	77.0
90	76.9
5700	76.6
10	76.3
20	76.3
30	76.4
40	75.7
50	75.3
60	75.0
70	74.8
80	69.9
90	70.6
5800	68.9
10	66.4
20	64.9
30	63.8
40	63.4

N3430

E		
5850	563.8	✓
60	63.1	✓
70	62.6	✓
80	62.6	✓
90	62.6	✓
5900	63.3	✓
10	63.8	✓
20	62.7	✓
30	62.6	✓
40	62.5	✓
50	62.7	✓
60	62.9	✓
70	62.8	✓
80	62.1	✓
90	61.5	✓
6000	62.0	✓
10	62.7	✓
20	63.1	✓
30	62.8	✓
40	61.7	✓
50	60.2	✓
60	59.5	✓
70		
80		
90		

not on Gem Sec. m

N 3440

E	
4340	569.8 ✓
50	69.6 ✓
60	69.9 ✓
70	69.4 ✓
80	69.6 ~~69.4~~ ✓
90	69.4 ~~69.6~~ ✓
4400	69.3 ~~69.4~~ ✓
10	69.5 ~~69.3~~ ✓
20	69.5 ✓
30	69.6 ✓
40	70.1 ✓
50	70.2 ✓
60	70.7 ✓
70	71.0 ✓
80	73.0 ✓
90	75.5 ~~76.5~~ 74.5 ✓
4500	~~76.5~~ ✓
10	76.0 ✓
20	77.0 ✓
30	77.9 ✓
40	77.3 ✓
50	77.4 ✓
60	78.2 ✓
70	79.0 ✓
80	79.8 ✓

B 3441 P 42

N 3440

E		
4590		580.5 ✓
4600		80.9 ✓
10		80.6 ✓
20		80.3 ✓
30		79.8 ✓
40	o.k. 80.8	~~80.8~~ ✓
50		82.6 ✓
60		83.0 ✓
70		84.5 ✓
80		84.8 ✓
90		83.7 ✓
4700		82.9 ✓
10		80.0 ✓
20		78.0 ✓
30		78.4 ✓
40		76.2 ✓
50		74.7 ✓
60		72.4 ✓
70		68.9 ✓
80		67.2 ✓
90		64.3 ✓
4800		66.4 ✓
10		59.6 ✓
20		59.7 ✓
30		59.7 ✓

13841 - P H

N3440

E	
4840	560.0 ✓
50	60.3 ✓
60	57.9 ✓
70	57.5 ✓
80	57.3 ✓
90	56.2 ✓
49.00	56.7 ✓
10	57.1 ✓
20	57.4 ✓
30	57.6 ✓
40	57.7 ✓
50	58.1 ✓
60	58.3 ✓
70	57.4 ✓
80	58.0 ✓
90	58.3 ✓
5000	58.5 ✓
10	58.9 ✓
20	59.0 ✓
30	58.8 ✓
40	58.8 ✓
50	59.1 ✓
60	60.1 ✓
70	62.1 ✓
80	71.7 ✓

✓

N3440

E	
5090	71.8
5100	72.2
10	72.4
20	72.6 ~~77.6~~
30	72.8
40	73.4
50	73.9
60	74.3
70	74.4
80	75.1
90	75.3
5200	76.4
10	78.1
20	78.6
30	78.6
40	78.3
50	78.0
60	79.2
70	78.9
80	80.9
90	80.4 ~~80.0~~
5300	80.8

Table VII. Excavation and Embankments, Cu. Yds. per 100 ft.

Slope	¼ to 1	1 to 1			1½ to 1				All Slopes 1 Ft. Base
		BASE			BASE				
Depth	20′	20	22	24	14	16	20	24	
1	75	78	85	93	57	65	80	94	3.7
2	152	163	178	193	126	141	170	200	7.4
3	230	256	278	300	206	228	272	316	11.1
4	311	356	385	414	296	326	385	444	14.8
5	393	463	500	537	398	435	509	583	18.5
6	477	578	622	666	511	556	644	733	22.2
7	564	700	752	804	635	687	791	894	25.9
8	652	830	889	948	770	830	948	1067	29.6
9	742	967	1033	1100	917	983	1116	1250	33.3
10	833	1111	1185	1259	1074	1148	1296	1444	37.0
11	926	1263	1344	1425	1243	1324	1487	1650	40.7
12	1022	1422	1511	1600	1422	1511	1689	1867	44.4
13	1119	1589	1685	1781	1613	1709	1902	2094	48.1
14	1219	1763	1867	1970	1815	1919	2126	2333	51.8
15	1319	1944	2055	2166	2028	2139	2361	2583	55.5
16	1422	2133	2251	2369	2252	2370	2607	2844	59.2
17	1527	2330	2456	2582	2487	2613	2865	3117	62.9
18	1633	2533	2667	2800	2733	2867	3133	3400	66.6
19	1742	2744	2885	3025	2991	3131	3413	3694	70.3
20	1852	2963	3111	3259	3259	3407	3704	4000	74.0
21	1963	3189	3344	3500	3539	3694	4005	4317	77.7
22	2078	3422	3585	3748	3830	3993	4318	4644	81.4
23	2193	3663	3833	4003	4131	4302	4642	4983	85.1
24	2310	3911	4089	4267	4444	4622	4978	5333	88.8
25	2430	4167	4352	4537	4769	4954	5324	5694	92.5
26	2551	4430	4622	4814	5104	5296	5681	6067	96.2
27	2675	4700	4900	5100	5450	5650	6050	6450	100.0
28	2800	4978	5185	5392	5807	6015	6430	6844	103.6
29	2926	5263	5477	5691	6176	6391	6820	7250	107.3
30	3055	5556	5778	6000	6556	6778	7222	7667	111.0
31	3185	5856	6085	6314	6946	7176	7635	8094	114.7
32	3318	6163	6399	6635	7348	7585	8059	8533	118.4
33	3452	6478	6722	6966	7761	8006	8494	8983	122.1
34	3589	6800	7052	7304	8185	8437	8941	9444	125.8
35	3727	7130	7389	7648	8620	8880	9398	9917	129.5
36	3866	7467	7733	8000	9067	9338	9867	10400	133.2
37	4008	7811	8084	8358	9524	9798	10346	10894	136.9
38	4051	8163	8444	8725	9993	10274	10837	11400	140.6
39	4296	8522	8811	9100	10472	10761	11339	11917	144.3
40	4444	8889	9185	9481	10963	11259	11852	12444	148.0
41	4593	9263	9567	9871	11465	17969	12376	12983	151.7
42	4744	9644	9955	10266	11978	12289	12911	13533	155.4
43	4897	10033	10351	10669	12502	12820	13457	14094	159.1
44	5052	10430	10756	11084	13037	13363	14015	14667	162.8
45	5208	10833	11166	11499	13583	13917	14583	15250	166.5
46	5366	11244	11584	11924	14141	14481	15163	15844	170.2
47	5527	11663	12011	12359	14709	15057	15754	16450	173.9
48	5688	12089	12444	12799	15289	15644	16356	17067	177.6
49	5853	12522	12884	13246	15880	16243	16968	17694	181.3
50	6018	12963	13333	13703	16481	16853	17592	18333	185.0
52	6355	13867	14251	14635	17719	18104	18874	19644	192.4
54	6700	14800	15200	15600	19000	19400	20200	21000	200.0
56	7051	15763	16177	16591	20326	20741	21570	22400	207.2
58	7410	16756	17186	17516	21696	22126	22985	23844	214.6
60	7777	17778	18222	18666	23111	23555	24444	25333	222.0
70	9722	23332	23850	24368	30852	31370	32407	33444	259.0
80	11852	29629	30221	30813	39704	40296	41480	42667	296.0
90	14167	36666	37333	38000	49667	50333	51665	53000	333.0
100	16667	44444	45184	45924	60741	61481	62962	64444	370.0

Tables for Excavations and Embankments.

Distances from Edge of Roadway for Cross-Sectioning.

Any Roadway. Side Slopes 1½ to 1.

Half the width of roadway to be added to table to find distance from centre line.

	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	
0	0.0	0.2	0.3	0.5	0.6	0.8	0.9	1.1	1.2	1.4	0
1	1.5	1.7	1.8	2.0	2.1	2.3	2.4	2.6	2.7	2.9	1
2	3.0	3.2	3.3	3.5	3.6	3.8	3.9	4.1	4.2	4.4	2
3	4.5	4.7	4.8	5.0	5.1	5.3	5.4	5.6	5.7	5.9	3
4	6.0	6.2	6.3	6.5	6.6	6.8	6.9	7.1	7.2	7.4	4
5	7.5	7.7	7.8	8.0	8.1	8.3	8.4	8.6	8.7	8.9	5
6	9.0	9.2	9.3	9.5	9.6	9.8	9.9	10.1	10.2	10.4	6
7	10.5	10.7	10.8	11.0	11.1	11.3	11.4	11.6	11.7	11.9	7
8	12.0	12.2	12.3	12.5	12.6	12.8	12.9	13.1	13.2	13.4	8
9	13.5	13.7	13.8	14.0	14.1	14.3	14.4	14.6	14.7	14.9	9
10	15.0	15.2	15.3	15.5	15.6	15.8	15.9	16.1	16.2	16.4	10
11	16.5	16.7	16.8	17.0	17.1	17.3	17.4	17.6	17.7	17.9	11
12	18.0	18.2	18.3	18.5	18.6	18.8	18.9	19.1	19.2	19.4	12
13	19.5	19.7	19.8	20.0	20.1	20.3	20.4	20.6	20.7	20.9	13
14	21.0	21.2	21.3	21.5	21.6	21.8	21.9	22.1	22.2	22.4	14
15	22.5	22.7	22.8	23.0	23.1	23.3	23.4	23.6	23.7	23.9	15
16	24.0	24.2	24.3	24.5	24.6	24.8	24.9	25.1	25.2	25.4	16
17	25.5	25.7	25.8	26.0	26.1	26.3	26.4	26.6	26.7	26.9	17
18	27.0	27.2	27.3	27.5	27.6	27.8	27.9	28.1	28.2	28.4	18
19	28.5	28.7	28.8	29.0	29.1	29.3	29.4	29.6	29.7	29.9	19
20	30.0	30.2	30.3	30.5	30.6	30.8	30.9	31.1	31.2	31.4	20
21	31.5	31.7	31.8	32.0	32.1	32.3	32.4	32.6	32.7	32.9	21
22	33.0	33.2	33.3	33.5	33.6	33.8	33.9	34.1	34.2	34.4	22
23	34.5	34.7	34.8	35.0	35.1	35.3	35.4	35.6	35.7	35.9	23
24	36.0	36.2	36.3	36.5	36.6	36.8	36.9	37.1	37.2	37.4	24
25	37.5	37.7	37.8	38.0	38.1	38.3	38.4	38.6	38.7	38.9	25
26	39.0	39.2	39.3	39.5	39.6	39.8	39.9	40.1	40.2	40.4	26
27	40.5	40.7	40.8	41.0	41.1	41.3	41.4	41.6	41.7	41.9	27
28	42.0	42.2	42.3	42.5	42.6	42.8	42.9	43.1	43.2	43.4	28
29	43.5	43.7	43.8	44.0	44.1	44.3	44.4	44.6	44.7	44.9	29
30	45.0	45.2	45.3	45.5	45.6	45.8	45.9	46.1	46.2	46.4	30
31	46.5	46.7	46.8	47.0	47.1	47.3	47.4	47.6	47.7	47.9	31
32	48.0	48.2	48.3	48.5	48.6	48.8	48.9	49.1	49.2	49.4	32
33	49.5	49.7	49.8	50.0	50.1	50.3	50.4	50.6	50.7	50.9	33
34	51.0	51.2	51.3	51.5	51.6	51.8	51.9	52.1	52.2	52.4	34
35	52.5	52.7	52.8	53.0	53.1	53.3	53.4	53.6	53.7	53.9	35
36	54.0	54.2	54.3	54.5	54.6	54.8	54.9	55.1	55.2	55.4	36
37	55.5	55.7	55.8	56.0	56.1	56.3	56.4	56.6	56.7	56.9	37
38	57.0	57.2	57.3	57.5	57.6	57.8	57.9	58.1	58.2	58.4	38
39	58.5	58.7	58.8	59.0	59.1	59.3	59.4	59.6	59.7	59.9	39
40	60.0	60.2	60.3	60.5	60.6	60.8	60.9	61.1	61.2	61.4	40

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