

LEVELS

D.W. Phillips Ditch - Brown

Ham B. " "

Bots " "

Pollard + Todd " Lincoln

Tavber Neal Ditch Wash. & Lincoln

T. M. " Lincoln

360

LEONARD MONTGOMERY

EX PARTE DRAIN.- UNION

BROWN TP. DITCHES

J.W. Phillips Ditch.

Sta.	Elev Ditch	Elev Stoke	New Grade	Cut	Distance Below Stoke
B.M.	7.5				
0.	0.95	4.075			
1	0.75	4.20			
2	0.86	5.28			
3	1.50	5.60			
0	4.56				
4	1.72	5.68			
5	1.82	6.40			
6	1.81	6.25			
7	2.10	7.18			
B.M.	8.20				
8	2.82	6.65			
9	3.03	7.88			
10	3.80	6.75			
11	3.85	7.50			
12	3.95	7.28			
13	4.05	7.22			
014	4.33	6.72			
Bm	4.10				
15	4.78	6.80			
#6	4.80	8.02			

Sta. 0+00 to Sta. 33 - pasture - clean.
 * Stone abut. N. side bridge - 70's. Sta. 0+00

07 B.M. (Elev 9.26) M.P. - E rail bridge

E End U Rail Conc Bridge Sta. 7+60
 Elev (8.20)

NW Stamp El. 9.10 Sta. 14+50

Sta. 6	Ditch	Stake	New Grade	Cut.	Stake to New Grade
17	5.12	7.98			
18	5.44	9.08			
19	5.45	9.70			
20	5.60	9.58			
21	5.83	9.80			
22 0	6.12	10.42			
23	6.40	11.49			
B.M.	11.92				
24	6.60	10.45			
25	7.05	11.35			
26	7.55	10.74			
27	7.56	11.82			
28	7.72	12.68			
29 0	7.60	12.48			
30	8.05	12.60			
31	8.28	13.12			
32	8.56	12.50			
33	8.18	12.98			
34	8.45	13.52			
35 0	8.32	13.10			
B.M.	13.95				
36	8.62	14.05			
37	8.92	13.82			
38	9.05	14.45			
39	9.08	14.25			
40	9.20	13.90			

7
Cor. ditch changes from N to N 70° E

B.M. Red Oak, 18". Sta. 23+90. E/c 11.92

B.M. EENDS Butment 7+30 = 13.95

Sta.	Ditch	Stake
41	9.55	14.20
42	9.68	14.38
43	9.88	14.73
44	9.80	15.35
45	10.10	14.44
46	10.20	14.55
47	10.25	15.55
48	10.31	15.55
49	10.45	15.20
BM	16.45	
50	11.10	15.88
51	11.30	16.00
52	11.88	16.05
53	11.80	15.75
54	11.72	15.76
55	11.95	15.74
56	12.05	16.05
57	12.58	16.70
58	12.50	16.55
59	12.95	16.70
60	13.10	17.35
61	13.25	18.20
62	13.30	18.05
63	13.40	19.20
64	15.85	20.22

BM 27FS Sta: 49 = 16.45 Post in ground

str.

Ditch Stake

B.M.	21.85	
65	16.52	21.55
66	17.05	20.55
67	17.06	22.95
68	17.22	20.42
69	17.55	23.15
70	17.90	22.88
71	17.95	22.24
72	18.30	20.45
73	18.32	22.25
74	17.50	23.15
75	17.15	23.70
76	16.80	22.68
77	17.25	21.05
78	17.15	23.20
79	17.45	22.25
80	17.40	22.00

End 1/4

B.M. 27 ft E Sta. 65-21.85: Perry Stump

14

Brown TR Ditches

Adam Beaman

Sta	^{enter} Elev	^{stake} Elev
BM	7.70	
0	0.95	4.05
1	0.85	4.90
2	0.70	5.84
3	1.35	5.20
4	2.22	5.75
5	2.65	6.28
6	2.92	6.35
7	3.40	5.95
8	3.52	6.75
9	4.50	7.75
10	5.05	7.60
11	5.22	8.85
12	5.43	9.10
13	5.60	9.65
14	5.80	10.00
15	6.05	10.35
16	6.15	10.98
17	6.75	11.85
18	6.85	12.05
19	7.35	12.18
20	7.70	12.75
21	8.10	12.95

15

7.70 BM NC W Rahment Ridge 10 ft NE of Sta

16

Ditch Sta

Elev. Elev.

22 8.40 12.85

23 8.80 14.05

B.M. 12.75

24 9.15 14.40

25 9.70 15.70

26 9.90 15.22

27 10.05 12.23

28 10.40 15.50

29 11.00 15.68

B.M. 16.60

30 11.52 15.60

31 11.90 16.40

32 12.80 16.42

33 12.88 17.25

34 13.05 17.65

35 13.20 18.05

36 13.80 15.65

B.M. 11.10

37 14.25 14.82

38 14.68 15.98

39 15.05 15.92

40 14.95 18.50

41 15.40 18.55

42 15.20 20.35

17

B.M. 12.75 Rock W.S. Ditch 43 ft S Sta 24

B.M. 16.60 DEC NB. B. 24 ft 28+98

B.M. 11.10 Sec. P. S. W. Corner B. 60 ft NE Sta 37

Eke
Ditch Sta.

43	15.30	19.90
44	16.20	20.10
45	14.40	20.85
46	16.60	20.92
47	16.82	20.44
48	17.50	21.72
49	18.34	23.05
50	18.80	22.40
51	19.10	23.85
52	19.80	24.97
53	20.10	24.22
54	20.65	25.60
55	20.78	24.65
56	21.60	25.12
57	21.65	25.75
58	21.80	25.25
59	21.82	25.20
60	22.75	26.35
61	22.50	27.25
62	22.75	27.88
63	23.10	28.50
64	23.50	28.85
65	24.00	29.25
66	24.50	29.30
67	24.80	29.80

20

Elev.
Ditch Sta

68	25.10	29.65
69	25.70	30.10
70	26.10	30.90
71	26.60	32.15
72	26.80	31.15
73	27.00	31.55
74	27.50	31.82
75	27.92	32.30
76	28.50	32.00
BM.	28.50	
77	28.75	31.50
78	29.25	33.05
79	29.50	32.80
80	29.90	33.92
81	30.60	34.70
82	30.90	33.25
83	31.20	33.15
84	31.40	33.70
85	31.90	33.60
86	32.40	34.40
87	33.10	34.90
88	33.15	35.00
89	33.45	37.05
90	33.60	36.85
91	33.78	37.30

21

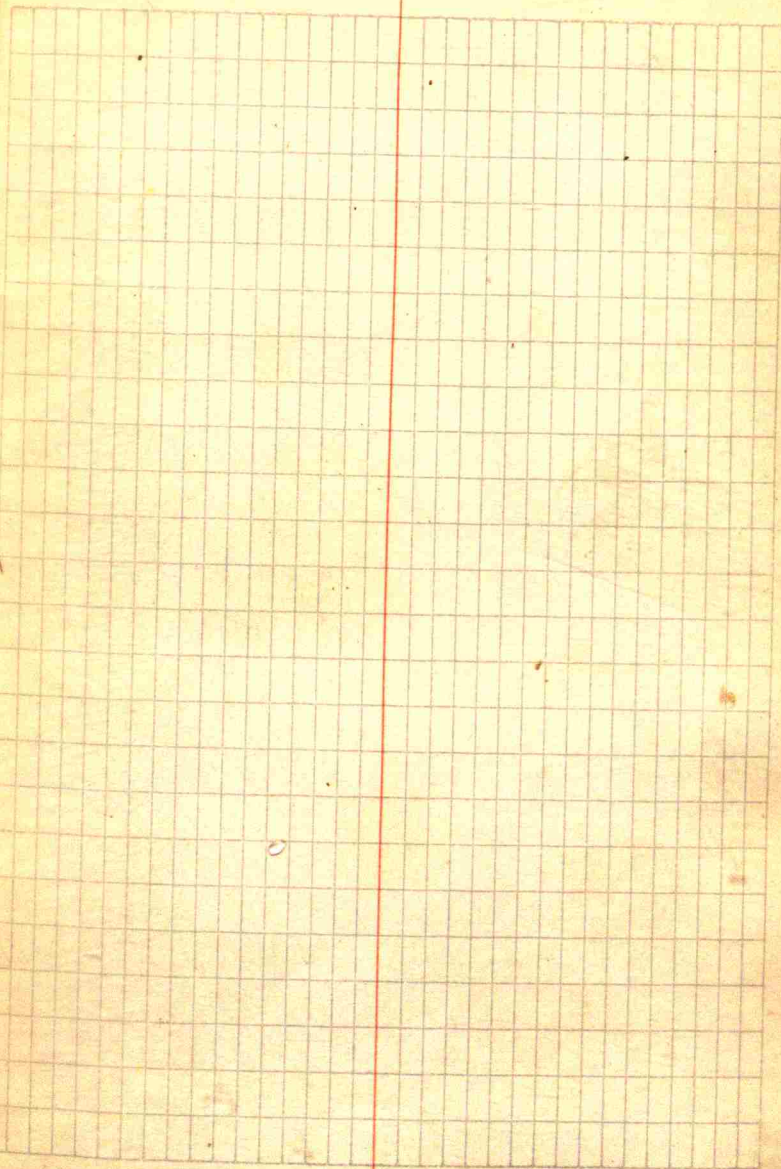
Mouth tile ditch w. side Main ditch
74 + 85 — 28.50

22

Ele
Ditch Sta

92	34.00	37.45
93	34.30	37.80
94	34.40	38.75
95	35.05	37.20

23



Batz Ditch Brown
Ele. Ele
Ditch Sta.

0-100	0.82	
0	0.85	8.45
B.M.	4.00	
1	0.82	4.20
2	0.83	8.92
B.M.	0.88	
3	0.83	5.00
4	0.87	5.22
5	0.90	4.75
6	0.95	5.20
7	0.95	5.35
8	1.20	5.00
9	1.10	6.45
10	1.09	6.50
11	1.35	6.30
12	1.45	5.90
13	1.50	6.45
14	1.90	7.65
15	1.95	6.80
16	2.10	6.83
17	2.45	6.55
18	2.70	7.55
19	2.90	7.15

0+25-Rock in ground E/d 4.00

W. Side Ditch 10 in tale 0.88

	E/e Ditch	E/e Sta
20	2.95	7.20
21	3.10	8.00
22	3.30	8.00
23	3.35	8.10
24	3.60	7.00
25	3.75	8.00
26	3.76	7.60
27	3.90	8.05
28	4.20	8.70
29	4.15	8.20
30	4.30	7.50
B.M.	9.70	
31	4.40	8.20
32	4.70	8.30
33	4.55	8.58
34	5.55	8.92
35	4.75	9.05
36	5.00	8.80
37	5.00	9.35
38	4.98	9.20
B.M.	12.20	
39	5.15	9.20
40	5.35	9.55
41	5.55	9.15
42	5.70	9.80

B.M. Rock 18" top Sta. 30+50
E/e. 9.70

B.M. S.E. Corner Bridge 12.20

	E/e Ditch	E/e Sta.
43	5.70	10.05
44	5.85	10.78
45	5.90	9.90
46	6.25	10.85
47	5.80	12.22
48	5.95	13.05
49	6.10	12.25
50	6.30	12.20
51	6.60	12.15
52	6.65	12.35
53	6.45	12.32
54	6.90	12.25
55	6.95	11.92
56	7.05	12.75
57	7.25	12.30
58	7.25	13.10
59	7.18	12.52
60	7.42	11.70
61	7.29	12.75
62	7.50	12.60
63	7.45	12.00
64	7.60	12.50
65	7.70	13.55
66	8.10	13.65
67	7.98	13.00

30

E/e
Ditch Sta.

68	8.20	13.15
69	8.22	12.70
70	8.50	13.90
71	8.35	13.95
72	8.85	14.40
73	8.80	13.60
74	8.85	14.00
75	9.15	14.32
74 0	9.10	14.50
77	9.60	14.50
78	9.65	14.55
79 0	9.45	15.64
80	9.45	15.80
81 0	9.35	14.50
82	9.50	14.85
83	10.10	15.10
84	10.45	14.70
85	10.40	14.60
86 0	10.50	14.90
87	10.60	15.53
88	10.60	15.45
89	10.40	13.00
90	10.42	15.85
91	10.50	15.60
92 0	10.65	14.50

31

32

Ele.
Ditch Sta.

93	10.95	15.10
94	10.96	13.70
95	11.00	15.78
96	11.20	15.20
97	11.10	15.70
98	11.00	15.80
99	11.05	16.05
100	11.15	14.65
101	11.16	15.85
102	11.30	16.40
103	11.68	17.05
104	11.55	17.55
105	11.65	16.85
106	11.80	16.70
107	11.90	17.32
108	12.00	17.15
109	12.15	17.30
110	12.30	17.80
111	12.10	18.00
112	12.30	18.20
113	12.28	17.80
114	12.50	18.50
115	12.70	18.00
116	12.74	18.72
BM	12.95	

+25

33

B.M. Mouth 48" tiled / Feb 1295

34

	Elev	Elev
	Ditch	Sta

117	12.95	18.52
118	12.72	18.70
119	12.85	18.80
120	13.30	17.00
121	13.50	19.25
122	13.20	18.75
123	13.30	17.95
124	13.20	19.60
125	13.30	19.50
B.M.	20.40	
126	13.30	19.30
127	13.60	19.40
128	13.55	20.35
129	13.45	19.90
130	13.60	19.20
131	13.80	19.20
132	13.70	19.10
133	13.75	19.70
134	13.70	19.20
135	13.90	20.05
136	14.23	19.60
137	13.80	19.65
138	14.00	20.30
139	13.95	20.80
140	14.00	20.45

+15

35

B.M. Center S.W. Side Bridge
Elev (20.40)

	Elev	Elev
	Ditch	Sta.
141	14.15	21.40
142	14.10	20.90
B.M.	21.00	
143	14.15	21.15
144	14.30	20.90
145	14.20	21.00
146	14.40	20.90
147	14.42	20.90
148	14.30	21.45
149	14.45	21.25
150	14.50	20.75
151	14.55	20.60
152	14.52	21.20
153	15.00	21.30
254	14.95	21.20
B.M.	22.20	
155	15.40	21.00
156	15.20	20.58
157	15.75	21.10
158	15.48	21.00
159	15.30	20.80
160	15.65	20.50
161	15.68	20.10
162	15.75	20.62
163	15.55	20.60

+25

B.M. Rock 142 + 20 Elev. 21.00

B.M. S.E. Corner Butment
Bridge Elev (22.20)

38

E/e
Ditch Sta.

164	15.70	20.75
165	15.72	20.50
166	15.80	20.20
167	15.90	20.90
168	16.08	21.40
169	16.20	20.85
B.M.	15.88	
170	16.60	20.20
171	16.64	20.10
172	16.70	20.70
173	16.75	20.30
174	17.00	20.60
175	16.95	21.05
B.M.	16.80	
176	17.10	21.05
177	17.30	21.75
178	17.45	22.05
179	17.45	22.20
180	17.55	21.85
181	17.60	22.18
182	17.70	22.72
183	17.72	23.60
184	17.90	22.65
185	17.80	23.20
186	17.82	22.30

+20

B.M. Mouth 8" tile ditch
E/e 15.88B.M. Mouth 12" tile ditch 175+95
E/e 16.80

39

40

Ele Ele

Ditch Sta.

1870	17.90	22.25
188	18.15	22.50
189	18.45	22.38
190	18.40	23.10
191	18.30	23.25
192	18.40	23.25
1930	18.50	23.00
194	18.70	22.85
195	19.05	22.45
196	19.15	22.70
197	18.95	23.20
B.M.	22.80	
198	19.30	23.60
199	19.52	23.75
200	19.50	24.18
201	19.85	26.00
202	19.75	25.25
203	20.00	24.60
204	19.60	25.20
205	19.70	24.86
206	19.80	25.30
207	19.60	24.45
208	19.80	20.90
208+78(209)	19.85	23.75
B.M.	23.85	SW End Butte

41

B.M. E End Retaining wall
Ele. (22.80)

B.M. MOUT 16" x/s End Ditch
(19.85)

42

Lincoln
Pollard & Todd Ditch

	File	Sta.
0	0.96	6.05
1	1.05	7.00
2	1.06	8.40
B.M.	1.02	
3	1.70	5.85
4	1.40	6.00
5	1.65	5.25
6	0.90	5.20
7	0.95	5.60
8	1.02	6.00
9	1.15	5.50
10	1.00	5.05
11	1.05	6.05
12	1.20	6.10
13	1.55	6.00
14	1.50	6.50
15	2.00	6.70
16	2.00	6.40
17	2.20	5.90
18	2.30	5.75
19	2.36	6.75
20	2.60	6.20
21	2.62	6.50
22	2.60	6.70

43

B.M. Mouth 6" tile ditch at turn of
Sta 2. File (1.02)

44

Levels Pollard
and Todd
Ditch

	Elev	Elev	ELIN Ditch
	Ditch Sta.		
23	2.65	7.10	
24	2.90	7.90	
25	3.00	7.20	
B.M.	3.92		2.53
26	3.50	7.20	2.36
27	3.40	7.85	2.30
28	3.75	7.30	2.07
B.M.	6.05		
29	3.60	8.25	1.97
30	3.85	8.40	1.86
31	3.90	8.50	2.05
32	3.95	8.35	1.78
33	4.00	8.00	1.77
34	3.85	8.50	1.58
35	4.00	8.30	1.25
36	3.95	8.10	1.11
37	4.05	8.55	0.91
38	4.20	8.30	0.86
39	4.20	8.30	
40	4.30	8.60	
41	4.40	8.30	
42	4.50	7.60	
B.M.	11.10		
43	4.80	8.70	

Feb 24-1931

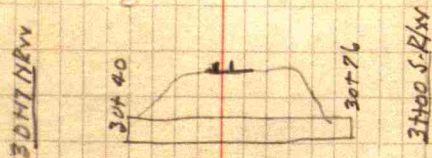
45

B.M. Mouth 8" tile ditch Sta. 25+5
Elev 3.92

B.M. E. End Steel Sewer. 28+56 (6.5)

E.L. 1.90 Bottom Steel R.R.
Culvert at N end

E.L. 9.55 Base rails N.

E.L. 2.00 Bottom Culvert
S endS.E. Corner Cement Buried
42+15" Elev 1.10

46

Ele Ele

Ditch Sta.

44 5.00 8.75

45 5.05 8.95

46 5.15 9.25

47 5.25 10.45

48 5.60 11.40

49 5.75 12.10

50 5.85 12.45

51 6.10 12.70

52 6.25 12.75

53 6.50 11.40

54 6.70 11.85

55 6.75 10.65

56 7.00 10.80

57 7.50 12.50

58 7.15 11.40

59 7.25 11.20

60 7.45 11.10

61 7.50 11.20

62 7.60 10.75

63 7.30 11.00

64 7.70 11.80

65 8.00 11.85

66 8.05 12.20

67 8.10 12.35

68 8.20 12.50

47

Elev Sta
Ditch

69	8.90	13.85
70	8.50	12.50
71	8.95	13.00
72	8.80	13.20
73	8.90	13.80
74	8.85	13.15
75	9.10	13.10
76	9.05	13.35
77	8.95	13.30
78	9.10	14.10
79	9.20	13.70
B.M.	9.25	
80	9.30	13.75
81	9.35	13.55
82	9.50	13.75
B.M.	10.40	
B.M.	9.80	
83	9.90	14.32
84	10.10	14.25
85	10.05	14.70
86	10.35	14.80
B.M.	10.80	
87	10.50	14.60
87+71(53)	10.70	13.90
B.M.	11.80	
B.M.	11.80	

B.M. Mouth 6" tile ditch 79+50
Elev 9.25

B.M. 6" tiled ditch 83-30
10.40
" 8" tiled ditch 83-25
9.80

Tileditch 4" Elev 10.80 (86+50)

→ 8" tiled ditches 87+71
Elev (11.80)

Tanner Neal		Wash. line on R.
Sta	Elev	Elev
D	0.90	2.30
B M	0.93	
1	1.80	9.80
2	1.10	4.59
3	1.35	4.95
4	1.45	4.00
5	2.00	5.70
6	2.75	6.25
7	3.20	6.10
8	3.65	7.15
9	3.70	7.35
10	3.72	7.75
11	4.50	8.50
12	4.55	8.20
13	4.56	9.95
14	4.80	9.40
15	5.35	9.25
16	5.45	9.45
17	5.42	11.90
18	5.45	9.95
B M	10.55	
19	5.42	10.60
20	5.60	10.40
21	6.40	10.75

0+7

Open Ditch
Mouth Ditch Running E. Elev 0.93

Top of Bridge across Ditch
Elev. Taken at S. end Bridge
Elev. (10.55)

52

Elev
Ditch Sta

22	7.00	11.30
23	7.10	11.55
BM	7.20	
24	7.35	11.90
25	7.36	12.50
26	8.20	11.60
27	7.70	11.65
28	8.00	12.20
29	8.10	12.45
30	8.10	12.45
BM	9.30	
31	8.60	12.70
32	8.65	13.00
33	8.75	13.10
34	8.76	13.50
35	9.00	13.40
36	9.00	13.90
37	9.20	13.50
38	9.60	13.70
39	9.65	14.00
40	9.70	14.75
41	10.10	14.55
42	10.45	15.30
43	10.60	14.35
44	10.90	14.50
B.M.	14.50	

53

Tile Pitch 23+15'
Elev (7.20)

Tile Ditch Elev (9.30)
Sta. 30+20

BM. White Rock at Sta. 44
Elev (14.50)

54

Lincoln tp.

Tim Quinn Ditch

Sta	Ele Ditch	Sta
0	0.85	3.30
B.M.	7.00	
1	0.83	3.40
2	0.88	5.10
3	0.90	5.30
4	0.88	4.50
5	0.98	5.35
6	0.99	5.30
7	0.98	5.32
8	1.20	6.20
9	1.60	7.70
10	1.65	8.00
11	2.00	7.00
12	2.30	7.90
13	2.55	7.85
14	2.60	8.70
15	3.15	7.90
16	3.10	7.80
17	3.15	8.00
18	3.30	8.20
19	3.40	8.25
20	3.50	9.15
21	3.50	9.60
22	3.55	9.60

55

S. Corner E. Butment Bridge
0+5' E 1e (7.00)

56

Sta	Elev	Elev
	Ditch	Sta
23	3.55	9.45
24	4.05	10.20
25	4.35	9.50
26	4.20	10.30
27	4.40	10.30
28	4.45	10.40
29	5.20	9.80
30	4.85	9.90
31	4.90	10.15
32	5.00	10.25
33	5.15	10.50
34	5.25	11.10
35	5.70	10.90
36	5.40	11.25
37	5.45	11.20
38	5.50	11.25
39	5.55	10.85
40	5.60	12.35
41	6.00	12.30
42	5.90	11.80
43	5.80	11.95
BM	11.80	
44	5.95	11.50
45	5.95	12.00
46	6.00	12.30

57

SW Corner Bridge Elev (11.80)
43 + 85

58

Sta	Elev	Elev
47	6.05	12.50
48	6.20	11.80
49	6.30	11.90
50	6.40	11.20
51	6.55	11.25
52	6.70	12.85
53	6.75	11.80
54	6.80	11.85
55	6.85	12.10
56	6.90	13.50
57	7.00	12.10
58	7.95	13.20
59	8.05	13.75
60	8.10	12.90
61	8.20	12.90
62	8.22	12.75
63	8.50	14.45
64	8.30	13.45
65	8.50	14.15
66	8.55	14.55
BM	16.55	
67	8.15	13.35
68	8.50	14.05
69	8.75	13.40
70	8.70	15.20

59

S.E. Corner Bridge Elev (6.55)
66 + 15'

Sta.	El ₆ pitch	El ₆ Sta
BM 6	17.75	
71	8.75	13.25
72	8.90	14.00
73	8.95	14.10
74	9.30	13.90
75	9.35	13.70
76 6	9.45	15.30
77	9.75	14.05
78	9.80	13.90
79	10.65	14.50
80	10.55	15.25
81	10.45	14.95
82	10.45	15.55
83	10.60	15.50
84	10.80	15.45
85	10.90	16.00
86 6	10.95	16.05
87	11.00	15.80
88	10.85	16.05
89	11.45	14.80
90	11.20	16.60
91	11.45	16.70
92	11.50	17.40
93	11.55	16.60
94	11.65	17.00

S.E. Corner Butment
70+15 El₆ 17.75

Sta E16 E16
Ditch Sta.

95 12.20 14.20

BM 19.10

96 12.30 17.20

97 12.35 18.20

98 12.40 17.50

99 12.40 17.72

100 12.72 15.10

101 12.85 18.15

102 12.90 18.30

103 12.95 18.50

104 12.98 18.70

105 13.10 18.10

106 13.15 18.65

107 13.10 18.72

108 13.20 18.85

109 13.25 18.55

110 13.40 18.50

111 13.15 19.10

112 13.45 18.45

113 13.40 19.05

114 13.05 18.50

115 13.25 17.80

116 13.70 17.90

117 13.75 18.40

118 13.90 19.50

94 + 55 NE E16 (9.12) Gate
Post

Sta	Elev	Elev
	Ditch	Sta.
1190	1400	18.80
120	1410	18.20
121	1415	18.80
122	1420	19.40
123	1425	20.40
124	1430	19.70
125	1425	19.80
126	1460	20.60
127	1455	21.15
128	1490	20.50
129	1480	19.90
130	1400	19.35
131	1405	19.15
132	1400	18.95
133	1420	18.00
134	1430	19.50
135	1435	20.75
136	1445	20.55
137	1448	19.10
138	1450	19.20
139	1450	19.30
140	1455	18.90
141	1460	19.50
142	1470	19.70
143	1480	20.70

66

E18

E18

Sta Ditch Sta

B.M. 21.30

144 15.25 20.40

145 15.50 20.35

146 15.25 19.05

147 15.40 20.55

148 15.50 20.40

149 15.55 20.90

150 15.70 20.65

151 15.90 21.00

152 16.10 21.40

153 16.30 21.50

154 16.35 21.60

155 16.45 22.05

156 16.50 20.85

157 16.55 20.90

158 16.70 21.30

159 16.90 21.70

160 17.10 22.40

161 17.15 22.30

162 17.25 23.25

163 17.40 22.45

164 17.42 22.95

165 17.45 22.90

166 17.50 23.20

167 17.90 23.25

67

S. Putment Bridge 143+10

E18 (21.30)

68

	E18	E16
Sta	Ditch	Sta
168	17.85	23.50
169	18.10	23.60
170	18.30	23.15
171	18.40	23.95

69

72

Dm. 1.00

M. 1.00

4.

0

1.20

1

10.70

2

15.00

3

1.19

4

1.00

5

1.00

6

1.00

73

Warnick Ditch Middle TR

Middlestream W. Side road 1'

Ele. W Rail center bridge 10.20 B.M.

Sta Ditch Sta

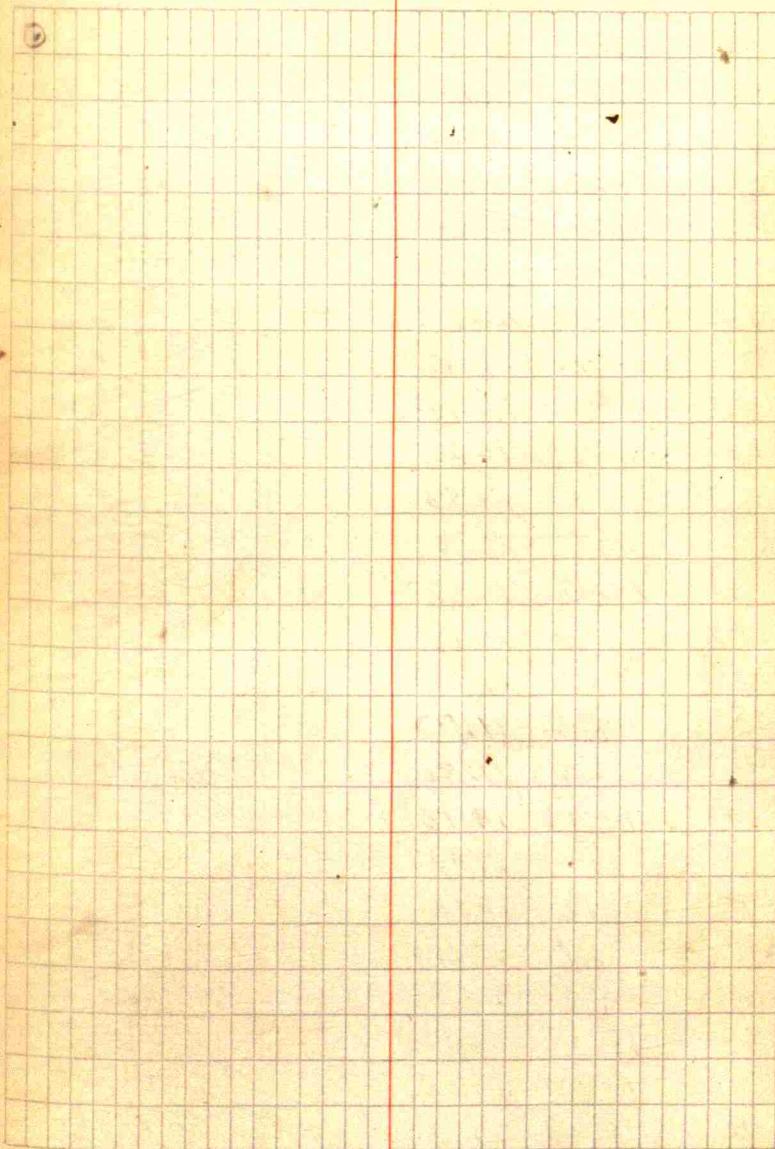
0	1.10	
0-66	98	
0	1.10	6.00
1	1.35	4.75
2	1.55	5.70
3	2.00	6.10
4	1.50	5.60
5	1.55	3.50
6	1.80	6.90
7	2.20	6.70
8	2.30	6.65
9	2.70	6.70
10	2.50	6.75
11	2.70	7.00
12	3.00	7.30
13	3.10	7.90
14	3.40	7.40
15	3.25	7.60
16	3.50	7.70

Sta	Ditch Stakes	
17	3.55	8.40
18	3.60	9.10
19	3.70	8.10
20 @	3.80	8.00
21	3.90	8.70
22	3.95	7.90
23	4.00	8.35
24	4.10	8.75
25	4.40	8.45
26	4.20	8.80
B.M.	10.20	NE corner Brick arch
27	4.60	9.70
28	4.70	9.10
29	4.60	10.00
30	5.00	10.30
31 @	5.30	11.30
32	5.50	10.15
33	6.10	10.90
34	6.40	11.40
35	7.40	11.20
36	7.60	11.10
37	7.90	11.60
38	7.70	11.55
39	8.11	12.20
40	8.40	12.60

Sta Ditch Stakes

B.M. 13.30 E. End arch on 19.02

41	8.50	12.50
42	9.15	12.60
43	9.30	12.95
44	9.70	13.65
45	9.80	14.10
46	10.50	14.90
47	10.60	15.30
48	11.20	15.70
49	11.40	16.60
50	11.90	15.50
51	11.95	16.70
52	12.00	16.20
53	12.20	17.10
54	12.70	17.15
55	12.50	16.70
56	12.80	16.90
57	13.00	19.10
58	13.20	18.95
59	13.30	19.00
60	13.70	17.20
61	14.0.0	19.20
62	14.15	18.50
63	14.25	19.20
64	14.30	19.70



Sta Ditch Stake

650	14.50	19.50
66	14.85	19.65
67	15.20	20.10
68	15.30	21.40
69	15.50	20.55
70	15.60	20.60
71	15.50	20.90
72	15.45	21.40
73	16.20	20.70
74	16.30	20.50
75	16.70	21.10
76	16.85	22.10
77	16.95	21.40
78	17.10	21.45
79	17.20	21.25
80	17.50	21.10
81	17.60	21.50
82	17.70	21.20
83	17.85	21.40
84	17.80	21.70
85	17.90	21.90
86	17.85	21.50
87	18.00	22.10
88	18.70	22.30
89	18.90	22.60

Leonard D. Montgomery
Ditch in Union Twp

Sta	E1 Ditch	Bank W. side
0	100	
0+2	100.82	
2+00	101.54	104.63
4+00	101.70	105.60
6+00	101.85	105.05
8+00	102.22	105.59
10		105.51
10+00	102.81	106.36
12+00	103.46	106.85
14+00	104.10	107.78
16+00	104.63	108.42
18+00	104.90	109.30
20		109.83
20+00	105.52	109.89
22+00	105.63	109.50
24+00	106.05	111.00
25+7	106.77	111.43
25+36	106.93	111.96
26+00	107.26	110.07
28+00	107.76	110.78
30+00	108.25	111.46
32+00	108.61	111.30
34+00	109.01	112.76

BM

E1-100-stake
center Barnett
DitchBM E1/10082
stake at Sta
0+2BM E1-11426
W. End S Parrape
wallBM E1-11424
E end N wall0. Stake at Bottom Barnett Ditch
at Mouth Montgomery ditch

0+2 Bottom Montgomery Ditch (stake)

Scott Road
25+7 - S. Parrape wall at Center Ditch
25+35 N " " " "

88

Sta

Elev
DitchBank
W. side

36+00	109.55	113.05
38+00	109.90	113.92
40+00	110.30	114.43
		Bank E. Side
42+00	110.75	114.88
44+00	111.72	115.16
46+00	112.29	115.83
48+00	—	116.22
50+00	112.69	117.40
52+00	—	118.83
54+00	113.22	119.26
56+00	113.65	119.45
58+00	—	119.45

D

60+00

114.72

118.75

118.79

B.M. Top Cor

Post El. 122.65

Sta 60+40

93+29

119.23

W. side
123.25

92+00

118.87

123.33

90+00

121.10

88+00

120.28

86+00

118.87

84+00

119.03

82+00

119.50

B.M. El. 119.55

Top 8' 4" 100 ft

Sta 93+29

89

Sta	EI	EI
	Ditch	Bank W. Side
80+00		119.45
78+00		119.92
76+00		120.20
74+00		121.15
73+89		117.69
73+00		121.00
71+00		120.58
68+00		119.37
66+00		120.86
64+00		119.89
62+00		118.65

BM EI. 117.69
 Top 24" T.C.
 under State Rd
 Nend of Sta
 73+89

BM EI. 122.66
 Top Cor Post.
 Sta 62+00

H.I.
85

75

O 108.30

Top 8" tile
outlet

O 102.63

106.14

O 106.62

105.53

O 107.03 S End Pond

107.14 N End Pond

107.13 E End Pond

107.10 100' SE of Pond Low Place

107.44 C Pond

104.71

105.05

Sta	+	-	EI.
Top tile	8.80	127.85	119.55
O	6.14	131.36	26.9 115.22
O	5.53	130.27	6.62 124.74
		7.03	115.24
		7.14	123.13
		7.13	123.14
		7.10	123.17
		7.44	122.83
		9.05	121.22

EI. 108.30

113.97

Leonard D. Montgomery Ditch

Sta.

Bear Approx

0

N35°W

0+30

N0°W

20+00

N20°W

20+26

N40°W

20+50

N60°W

21+75

N40°W

22+00

N20°W

22+25

N10°W

24+00

N20°W

25+27

S wall (forgot)

25+60

N wall (forgot)

26+00

N10°W

26+50

N00°W

31+00

N10°E

33+00

N00°E

45+00

N10°W

48+00

N10°E

48+60

N

51+00

N10°W

51+50

N20°W

53+00

N10°W

54+00

N10°E

55+00

N30°E

56+00

N60°E

59+00

N50°E

Stake 4' West Center Ditch

Sta	Bearing
60+00	N40° E
62+00	N30° E
64+50	N50° E
66+00	N80° E
68+00	N60° E
70+00	N30° E
72+00	N40° E
73+58	N
73+89	—
77+00	N10° W
78+00	N
88+25	N45° E
88+50	N90° E
93+29	

End of Drain
8" tile. Running E
thru Martin Roland

24" tile Drain under
State Road from Sta 73+58 to
Sta 73+89

Leonard D. Montgomery Ditch
Profile Levels

Sta	Ditch Stake	
0	99.95	100.00
0+2	101.30	100.85
0+30	101.10	102.80
1+00	101.29	103.55
2+00	101.60	103.72
3+00	101.82	103.53
4+00	101.82	104.08
5+00	102.08	104.24
6+00	101.96	104.37
7+00	102.14	104.89
8+00	102.40	104.52
9+00	102.55	105.59
10+00	102.89	105.54
11+00	103.18	106.43
12+00	103.14	106.34
13+00	103.81	106.53
14+00	103.79	106.35
15+00	104.00	107.17
16+00	104.56	106.82
17+00	104.71	107.70
18+00	104.84	107.77
19+00	105.13	107.77
20+00	105.19	108.11

B. M.
E1 100. State
Center Barnett Drain

Sta	Ditch	Stake	4th E.
20+26	105.69	110.77	109.59
20+50	105.43	110.11	
21+00	105.32	109.12	
21+75	105.83	105.83	107.66
22+00	105.55	108.85	109.89
22+25	105.88	105.88	107.58
23+00	105.81	108.49	
24+00	106.08	108.77	
25+00	106.53	109.44	108.55
25+27	106.87	108.12	
25+60	106.93	107.09	
26+00	106.93	108.90	109.99
26+50	107.12	108.70	108.79
27+00	107.18	108.92	
28+00	107.57	109.15	
29+00	107.75	109.43	
30+00	107.85	109.99	
31+00	107.98	110.34	
32+00	108.28	110.84	
33+00	108.41	111.42	
34+00	108.85	111.43	
35+00	108.94	111.45	
36+00	109.03	112.25	
37+00	109.38	112.58	
38+00	109.64	112.55	

B.M.

BM. E. 114.25
W. End S.
parquet. Wall

BM. E. 114.23
W. End N. parquet
Wall.

B M E. 115.60
24" Hickory
Stump Sta 37+00

Sta.	Ditch	Stake
39+00	110.23	112.82
40+00	110.18	112.68
41+00	110.23	112.79
42+00	110.57	113.70
43+00	111.00	113.29
44+00	111.16	113.87
45+00	111.53	113.74
46+00	111.66	113.77
47+00	111.98	113.87
48+00	112.06	113.97
48+60	112.17	115.46
49+00	112.25	115.47
50+00	112.35	114.70
51+00	112.76	114.77
51+50	112.89	115.19
52+00	112.96	114.79
53+00	112.96	115.53
54+00	113.14	116.00
55+00	113.25	115.86
56+00	113.69	116.34
57+00	113.86	115.89
58+00	113.76	115.72
59+00	113.95	116.90
60+00	114.37	116.81
61+00	114.64	116.88

①

120.92

Sta Ditch Stake

62+00	114.70	116.37
63+00	114.91	117.28
64+00	115.02	117.03
64+50	115.05	116.58
65+00	115.15	117.41
66+00	115.44	117.35
67+00	114.72	117.21
68+00	115.53	116.98
69+00	115.65	117.50
70+00	115.80	117.99
71+00	115.87	117.97
72+00	115.91	118.00
73+00	116.08	118.76
73+58	115.88	116.77
73+89	115.92	116.79
74+00	116.12	118.80
75+00	116.21	119.48
76+00	116.31	119.26
77+00	116.41	119.27
78+00	116.49	119.11
79+00	116.80	119.26
80+00	116.85	119.45
81+00	116.72	119.06
82+00	116.76	119.58

BM El. 122.00
Top Cor post Sta
62+00

BM

E / 117.29
Top 24" tile
culvert under
State Rd S.S.
at Sta 73+89

BM

El. 117.69
Top tile culvert
under State
Rd at Sta
73+89

Sta. @ Bot.

Top Tile

119+29	120.35	118.73	117.55
93+19+0	121.26	118.65	
92+18+0	120.85	117.96	
91	120.22	117.49	
90	120.97	116.45	117.45

90

Sta.	Ditch	Stake	4'E
83+00	116.93	119.37	
84+00	116.92	119.17	
85+00	117.03	119.31	
86+00	117.04	119.47	
87+00	117.29	119.79	
88+00	117.49	120.50	
88+25	117.62	119.44	121.21
88+50	117.44	120.90	
89+00	117.74	121.02	
90+00	118.09	120.97	
91+00	118.47	120.10	
92+00	118.86	120.84	
93+00	119.23	121.22	
93+29	119.00	120.12	
	+		

BMEI 119.55
 Top 8" file culvert
 at end of Drain.

Assessment - Leonard Montgomery Drain

Name	Description
John W Brumit. ✓	NE ⁴ NW ⁴ + NW ⁴ NE ⁴ of Sec 34 Tp 17 ^N R 1W
Sidney Phillips ✓	SW ⁴ NE ⁴ of Sec 34 Tp 17 ^N R 1W
Mary V. Pollard ✓	pt SE ⁴ NW ⁴ + pt E ² NE ⁴ SW ⁴ Sec 34 Tp 17 ^N R 1W
Lititia Swain ✓	pt SW ⁴ SW ⁴ + pt SW ⁴ NW ⁴ + pt NW ⁴ SW ⁴ Sec 34 Tp 17 ^N R 1W
Florence Brush ✓	S ² SW ⁴ + pt NE ⁴ SW ⁴ + pt NE ⁴ SW ⁴ Sec 34 Tp 17 ^N R 1W
Sarah Jackson ✓	NW ⁴ SE ⁴ Sec 34 Tp 17 ^N R 1W
Ora Blacketer ✓	pt NE ⁴ NW ⁴ Sec 3 Tp 16 ^N R 1W
Wm H. Bowman ✓	pt NE ⁴ NW ⁴ Sec 3 Tp 16 ^N R 1W
Elizabeth Myers ✓	pt W ² of Fr. NW ⁴ + pt E ² of Fr. NE ⁴ Sec 4 - 16 ^N R 1W
Enos M. Scott ✓	pt SW ⁴ NW ⁴ Sec 3 Tp 16 ^N R 1W
John Scott ✓	pt NE ⁴ Fr. NE ⁴ of Sec 4 Tp 16 ^N R 1W
Nathaniel Scott ✓	pt SW ⁴ NW ⁴ Sec 3 Tp 16 ^N R 1W
" "	pt E ² NW ⁴ Sec 3 Tp 16 ^N R 1W
Leonard E. Montgomery ✓	W ² SW ⁴ Sec 3 " " " "
Wm B. Snyder ✓	E ² SW ⁴ " " " "
Union Twp <	Enos M Scott + State Rd

Benefits.

Acres in De- scription	Acres	Dollars	Total cost -
80	30	374.70	Union Tp. 300
40	25	374.70	6490.00
60	58	1077.90	
74	40	639.52	
101	71	1315.74	
40	10	133.24	
24.55	10	116.57	
19.37	4	466.3	
61	6	1127.86	
9.40	1	13.32	
24.95	2	233.1	
28.93	40	778.14	
45	39	445.06	
80	20	233.1	
80	15	300.00	
80	2		
(368 a)			

Cost - Leonard Montgomery Drain - Union Twp.

Length	Size	Cost F.O.B. Co.	Pieces	Hauling	Tile
5527'	18" @ 450 ⁰⁰	1137 15	1264	@ 36 per load = 35 loads	
2473'	16" @ 350 ⁰⁰	865 55	1236	40	= 31 "
2389'	14" @ 275 ⁰⁰	648 45	1195	56	= 31 "
1461'	12" 180	261 10	730	84	= 9 "
479'	10" 130	62 27	240	84	= 3 "
9329'		\$ 2974 52		99	1 @ 150 = 150 "

Digging, Laying & Covering - 93.29 sta. @ 25⁰⁰ = 2332.25

15

J.W. Haynes - 1 R.E. Kennedy -
 9 days. 10/7 - viewing 1 da. 10/8 - surveying 1 da.
 10/13 - assessing - 10/17 - assessing - 10/21 assessing 10/24
 10/24 reporting. 7 da @ 3⁰⁰ - 21.00 each.

Surveying -

2 helpers - 3⁰⁰ per. 3 da. each 22.50Engineer - 4 da. @ 7⁰⁰ 28.00" 4 da. @ 5⁰⁰ 20.00J.P. 3 da. @ 5⁰⁰ 15.00" 1 da. @ 7⁰⁰ 7.00

Tile	\$ 3000.00
Header - 5 yds.	75.00
Grouting Tile	10.00
Hauling ..	150.00
Digging - Laying - Covering	2400.00
Connections	50.00
Incidentals	50.00
	5735.00
10% Profit	575.00
	6310.00

Court Cost -

4% ATT - 250.00

Surveying - 87.50

VIEWERS 42.00

Court Costs 100.00

479.50

480.00

\$ 6790.00

128

	El Grade Stake	Ditch Bottom	Finished Grade	Cut Below Grade Stake
0+00	100.00	99.95	100.85	-.85
0+02	100.85	101.30	100.85	0.00
0+30	102.80	101.10	100.87	1.93
1+00	103.55	101.29	100.92	2.63
2+00	103.72	101.60	100.98	2.74
3+00	103.53	101.82	101.05	2.48
4+00	104.08	101.82	101.11	2.97
5+00	104.24	102.08	101.18	3.06
6+00	104.37	101.96	101.24	3.13
7+00	104.89	102.14	101.33	3.56
8+00	104.52	102.40	101.39	3.13
9+00	105.59	102.55	101.44	4.15

129