

Foster Row

132

MINING
TRANSIT BOOK
363 A

Sta.	John Fairbank	Subgd	Pres. E	width of Subgd	Ditch
0+00	99.00	9833			
1+00	98.70	98.03	99.03	23'	97.5
2+00	98.40	97.73	98.36	24'	97.3
3+00	98.10	97.43	98.14	23'	97.2
4+0	97.80	97.13	97.76	24'	96.95
5+0	97.50	96.83	97.21	24'	96.80
6+0	97.20	96.53	96.80	24'	95.76
7+0	96.90	96.23	96.40	23'	95.41
8+0	96.60	95.93	95.90	23'	94.95
9+0	95.85	95.18	95.30	23'	94.55
10+0	95.10	94.43	94.53	23'	93.66
11+0	94.35	93.68	93.82	23'	92.87
12+0	93.60	92.93	92.98	24'	91.55
13+0	92.85	92.18	91.65	25'	90.46
14+0	92.10	91.43	91.20	25'	89.82
15+0	91.35	90.68	90.68	22'	88.91
16+0	90.60	89.93	90.44	22'	88.07
17+0	90.50	89.83	90.40	23'	88.90
18+0	90.40	89.73	90.29	23'	88.95
19+0	90.30	89.63	90.43	23'	88.93
20+0	90.20	89.53	90.42	23'	88.95
21+0	90.10	89.43	90.10	22'	88.50
22+0	90.00	89.33	89.86	23'	88.82
23+0	89.90	89.23	89.90	23'	88.40

Ditch 5

old. ⑤ 97.16 Sta 4+00
Gd stkOct 2-1925

95.55

⑤ 92.18

⑤ 89.27

	Fin Post	Sub gd.	Q. Pres EI.	Width of Subgd.	Ditch N	Ditch S	Old Gd. Stk.
24+0	8980	8913	89.85	22'	88.60	88.51	
25+0	8970	8903	89.60	23'	88.50	88.73	
26+0	8960	8893	89.80	21'	88.55	88.45	
27+0	8970	8903	89.76	21'	88.50	88.50	
28+0	8980	8913	89.56	23'	88.32	88.39	
29+0	8990	8923	89.65	23'	88.36	88.44	
30+0	9000	8933	89.65	23'	88.44	88.33	
31+0	9010	8943	89.62	23'	88.62	88.42	
32+0	9020	8953	89.68	23'	88.4	88.43	
33+0	9030	8963	90.05	23'	88.70	88.60	⊙ 89.58
34+0	9040	8973	90.05	24'	89.10	89.16	
35+0	9050	8983	90.16	24'	88.72	89.00	
36+0	9060	8993	89.98	26'	88.60	88.63	
37+0	9070	9003	90.55				
38+0	9080	9013	90.22	26'	88.84		8812
39+0	9090	9023	89.93	25'	88.90		8844
40+0	9100	9033	90.22	25'	88.00	87.95	
41+0	9110	9043	90.46	25'	88.30	88.28	
42+0	9120	9053	90.55	25'	89.10	88.79	
43+0	9130	9063	90.66	25'	89.76	89.24	⊙ 90.55
44+0	9140	9073	90.75	24'	89.68	89.38	
45+0	9150	9083	90.66	24'	89.42	89.33	
46+0	9160	9093	91.04	24'	90.28	90.37	91.02
47+0	9170	9103	91.31	24'	91.20	91.04	
48+0	9180	9113	91.68		91.48	91.60	93.69 Slope Stk.

Ofminal Point	Top Subgd	Present E. EL	Width of Subgd	Ditch N	Ditch S	Slope Stk
49+0	9190	9123	92.12	92.20	91.65	93.88
50+0	9200	9133	92.27	92.67	92.24	93.81
51+0	9170	9103	92.30	92.36	92.00	
52+0	9140	9073	91.90	91.34	91.04	
53+0	9110	9043	91.30	91.15	90.75	
54+0	9080	9013	90.81	90.30	90.38	
55+0	9050	8983	90.40	89.94	89.77	
56+0	9020	8953	89.92	89.95	89.37	
57+0	8990	8923	89.83	89.24	89.12	
58+0	8960	8893	89.85	88.33	88.05	
59+0	8930	8863	89.90	87.19	84.56	
60+0	8970	8903	89.79	89.46	88.88	
61+0	9010	8943	89.95	90.41	89.39	
62+0	9050	8983	90.58	90.60	90.60	
63+0	9090	9023	90.86	90.67	90.45	
64+0	9130	9063	91.19	91.67	89.94	
65+0	9170	9103	91.89	91.37	90.76	
65+80	92.02	9135				

94.18

B. M. at Sta
59+0 E end of
So. rail 91.23.

○ 89.45

B. M. at 65+80
on north end of
Stake nailed to
corner post. 94.45

Q Fin. Flowt Gateway Culvert
Pant. of Culvert STK. Cut. to Flowline

65+66 91.97 89.97 92.56 2.59
50+84 91.72 89.72 93.56 3.84

Stakes set for gateway Culverts.

65+66

92.02

22 - 80'

92.56
89.97
2.59

80/32.5

68

02.72

93.56

89.72
3.84

84

2

8

91.70

2'

91.97

2

89.97

92.02

0.02

- Ron Conc - Oct 29 - 30 - Freezing
 Oct 26 - Grouted 30' of tile
 Sta 1+33 to 1+63 - Stone chips
 & cement
 Oct 27 - Ted Cook learned
 run concrete but did not
 do so. Sample of stone
 secured
 Oct 28 - No work
 Oct 29 - H. H. H. on armsco
 across road at Sta 6+10
 + Sta 15+0 - Used stone with no gravel
 Oct 30 - H. H. H. on armsco
 at Sta 23+15 - Stone + gravel
 Used - 6 sacks cement in two drills
 Oct 31 - H. H. H. on armsco - Type B
 stone + gravel used Sta 40+10
 Oct 30 - H. H. H. on armsco - Type A
 stone + gravel used - Sta - 30+0
 Oct 29 - H. H. H. on armsco - Type A
 Stone chips - no gravel Sta 15+0

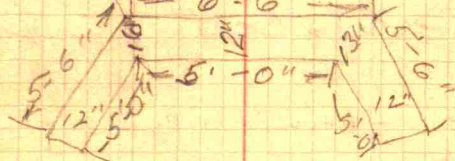
no + rt. 1 car

the no. of culverts run

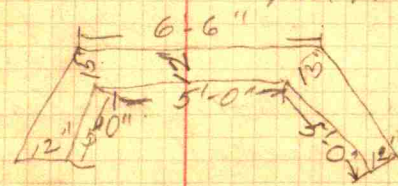
N Y C - 413, 573 Car M

with - Stone - 123,900 lbs

Sta 40+10 S. 7 H. H. H.



N. 7 H. H. H.



noting included

Drainage culverts with grouting
 at Sta 5+0 before 26 Oct

Sta 5+70 drainage culvert Oct 30

Sta 25+90 2 " " Culverts " "

Sta 39+40 drainage culvert Oct 31

Sta 46+0 " " " 31

Sta 50+78 " " " 31

Sta 52+70 " " " 31

Checked up Dec 5-1925

Iron pipe at W. side gate
135' x 8" in front of well
about 35' of 10" rest 8" and
iron pipe - 18' x 10" Iron Pipe - 18' x 10"
100' x 8" tile

6+10 - Hdwells on ams 8' long 10" wide
18' of 10" tile S. side at
Sta 6+

Sta 23+15 - Corners of Hdwells
are cracked.

Sta 26+ Culverts on N & S
sides - 18' long 10" tile - both

Hdwells on S. at Sta 30+0
is cracked and chipping out
on top

Sta 39+40 10" tile on N
18' long

46+0 culvert on N. 18' x 10"

50+73 " " N. 18' x 10"

65+0

Began grading in the spring
May 3, 1926. Set stakes on

both sides of road at each
100' for sub-grade and
made Cut sheet. May 4 & 5,
1926.

Sta.	Top Elev.	Sub Grade	El. Grades	El. Grade Stake	Cut to Sub Grade
0+0	99.00	98.33	99.55	99.54	1'-3"
1+0	98.70	98.03	99.02	99.03	1'-0"
2+0	98.40	97.73	98.74	98.74	1'-0"
3+0	98.10	97.43	98.43	98.43	1'-0"
4+0	97.80	97.13	98.37	98.37	1'-3"
5+0	97.50	96.83	97.05	97.05	0'-3"
6+0	97.20	96.53	95.86	95.86	
7+0	96.90	96.23	96.23	96.22	Gd.
8+0	96.60	95.93	96.93	96.91	1'-0"
9+0	95.85	95.18	96.16	96.17	1'-0"
10+0	95.10	94.43	94.44	94.42	Gd.
11+0	94.35	93.68	94.35	94.35	0'-8"
12+0	93.60	92.93	92.92	92.93	Gd.
13+0	92.85	92.18	91.68	91.68	
14+0	92.10	91.43	90.91	90.43	
15+0	91.35	90.68	90.68	90.68	Gd.
16+0	90.60	89.93	89.93	89.94	Gd.
17+0	90.50	89.83	89.83	89.82	Gd.
18+0	90.40	89.73	89.72	89.74	Gd.
19+0	90.30	89.63	89.61	89.62	Gd.
20+0	90.20	89.53	89.51	89.54	Gd.
21+0	90.10	89.43	89.43	89.40	Gd.
22+0	90.00	89.33	89.34	89.35	Gd.
23+0	89.90	89.23	89.23	89.23	Gd.
24+0	89.80	89.13	89.11	89.12	Gd.

Fill to
Sub Grade

0'-8"

0'-6"

1'-0"

93.43
92.93
50

May 4, 1926

0 97.66

99.03

98.03

115

99.53

98.33

0 91.21

122

97.03

96.83

27

97.73

22

98.23

96.53

96.40

13

89.43

98.60

97.13

1.51

94.37

96.53

95.86

67

97.13

1.24

92.18

91.37

91.58

60

96.38

95.11

80

1.13

68

Top, S. headwall - E. End

Sta 15+0

El. 91.44

Sta	Top Fin. But	El. S. Grade	El. Grade Stake	Gd. Stake	Cut To S. Grade	Fill To Sub Gd
25+0	89.70	89.03	89.02	89.03	Gd.	
26+0	89.60	88.93	88.91	88.93	Gd.	
27+0	89.70	89.03	89.03	89.03	Gd.	
28+0	89.80	89.13	89.13	89.12	Gd.	
29+0	89.90	89.23	89.22	89.23	Gd.	
30+0	90.00	89.33	89.33	89.31	Gd.	
31+0	90.10	89.43	89.41	89.43	Gd.	
32+0	90.20	89.53	89.51	89.51	Gd.	
33+0	90.30	89.63	89.61	89.63	Gd.	
34+0	90.40	89.73	90.50	90.48	0'-9"	
35+0	90.50	89.93	90.33	90.33	0'-6"	
36+0	90.60	89.93	89.92	89.94	Gd.	
37+0	90.70	90.03				
38+0	90.80	90.13	89.14	89.14	1'-0"	
39+0	90.90	90.23	89.23	89.23	1'-0"	
40+0	91.00	90.33	88.32	88.32	2'-0"	
41+0	91.10	90.43	88.43	88.42	2'-0"	
42+0	91.20	90.53	90.04	90.03	0'-6"	
43+0	91.30	90.63	90.61	90.63	Gd.	
44+0	91.40	90.73	90.22	90.24	0'-6"	
45+0	91.50	90.83	89.84	89.83	1'-0"	
46+0	91.60	90.93	91.41	91.41	0'-6"	
47+0	91.70	91.03	92.54	92.52	1'-6"	
48+0	91.80	91.13	93.13	93.13	2'-0"	
49+0	91.90	91.23	94.20	94.23	3'-0"	

May 4+5, 1926. $\odot 89.55$ 11.0
 $\odot 90.01$
 $\odot 90.15$

8960
8903

57
9042
8983

59

$\odot 92.33$

9058
8973

85
89.73
75
90.48
E End. S. rail at
Bridge 37+15
92.97

7101 9013
4098 8916

97
9077 9063
9022 9020 9053

51

92.52
91.02

1.50

Sta	Top FID Foot	E1, SubC	State 5	State n	Cut/ S. Gd	Fill to S. Gd.
50+0	92.00	91.33	94.32	94.33	3'-0"	
51+0	91.70	91.03	93.03	93.02	2'-0"	
52+0	91.40	90.73	92.21	92.21	1'-6"	
53+0	91.10	90.43	91.93	91.94	1'-6"	
54+0	90.80	90.13	91.63	91.63	1'-6"	
55+0	90.50	89.83	90.83	90.82	1'-0"	
56+0	90.20	89.53	90.03	90.03	0'-6"	
57+0	89.90	89.23	89.73	89.71	0'-6"	
58+0	89.60	88.93	88.91	88.92	Gd.	
59+0	89.30	88.63				
60+0	89.70	89.03	90.01	90.04	1'-0"	
61+0	90.10	89.43	90.93	90.93	1'-6"	
62+0	90.50	89.83	91.33	91.33	1'-6"	
63+0	90.90	90.23	91.21	91.22	1'-0"	
64+0	91.30	90.63	91.86	91.87	1'-3"	
65+0	91.70	91.03	92.01	92.01	1'-0"	
65+80	92.02	91.35	92.85	92.82	1'-6"	

May
4+5-

1926.

89.53

1.50

91.03

91.35

1.50

92.85

90.93

1.75

92.13

90.43

90.63

1.50

150

91.93

90.93

81.43

90.63

1.24

91.48

90.63

8.5

91.87

90.63

1.24

92.14 91.93 12

91.03 91.33

1.11 60

92.21

90.73

1.48

92.21

90.73

91.55

90.73

8.2

90.93

84.03

1.50

91.55

90.73

8.2

90.93

84.03

1.50

91.55

90.73

8.2

90.93

84.03

1.50

91.55

90.73

8.2

90.93

84.03

1.50

91.55

90.73

8.2

90.93

84.03

1.50

91.55

90.73

8.2

90.93

84.03

1.50

91.55

E1 92 92. on
Top big rock at
Sta 53+0 on N. side
of road in fence cor.

89.83

1.50

91.33

90.63

8.5

91.87

90.63

1.24

91.48

90.63

8.5

91.87

90.63

1.24

91.48

90.63

8.5

91.87

90.63

1.24

91.48

90.63

8.5

Checks: - B.M. Foster Road.

89.89

13

B.M. Sta. 0+43 - NE corner
church step El. 100.00

⊙ 96.95

⊙ 91.34

⊙ 90.47

⊙ 90.20

B.M. - Barnett Bridge ⊙ 92.70

B.M. - Bridge on Kennedy Ditch -

E. end S. rail - El. 91.23

B.M. Stake nailed to fence post
at Sta. 65+80 El. 94.45

Free Road
West East

Slope Stakes

29+0	20C	20½C
30+0	20C	21C
31+0	20½C	21C
32+0	20½C	21C
33+0	19½C	20½C
34+0	19F	19½E
35+0	20C	20C
36+0	19½C	20C
37+0	20C	20C
38+0	20½C	20C
39+0	20½C	20½C
40+0	21C	21C
41+0	20C	21C
42+0	19½C	20C
43+0	20F	19½F
44+0	19½F	17½F
45+0	19F	17½F
46+0	22F	23½F
47+0	16½F	20½F
48+0	22½C	20½C
49+0	23C	24½C
50+0	22½C	23½C
51+0	21½C	22C

Dr. ^{West} Earle ^{East} Fence Rd - Slope Stakes

52+0	18½ F	25 C	
53+0	20 F	17 F	
54+0	22½ F	20 F	
55+0	24 F	17 F	
56+0	19½ F	21½ C	
57+0	21 C	21 C	
58+0	21 C	20 C	
59+0	20 C	20½ C	
60+0	20 C	20½ C	
61+0	16½ F	20 F	
62+0	19 F	18½ F	
63+0	18 F	18½ F	
64+0	17 F	16 F	
65+0	20 C	19½ C	✓
66+0	21½ C	20 C	✓
67+0	21½ C	21 C	✓
68+0	20½ C	20 C	✓
69+0	21 C	21 C	✓
70+0	22 C	21 C	✓
71+0	16 F	16½ F	✓
72+0	17 F	17 F	✓
73+0	17 F	17 F	✓
74+0	17½ F	17½ F	✓
75+0	17½ F	20 C	✓
76+0	19½ C	21 C	✓

D _n	West East		Ref Slope Stokes
	Earl	Freese	
77+0	19½c	20½c	✓
78+0	17F	21½c	✓
79+0	19½c	20c	✓
80+0	17F	19½c	✓
81+0	17½F	17F	✓
82+0	18F	17F	✓
83+0	17F	17F	✓
84+0	16½F	17F	✓
85+0	20c	20½c	✓
86+0	20c	20c	✓
87+0	20c	20c	✓
88+0	20c	20½c	✓
89+0	19½c	20c	✓
90+0	19c	16½F	✓
91+0	16½F	17F	✓
92+0	19½c	20c	✓
93+0	20c	21c	✓
94+0	20c	21c	✓
95+0	20½c	20½c	✓
96+0	21½c	21c	✓
97+0	21c	22c	✓
98+0	19½c	19½c	✓
99+0	19½c	20½c	✓
100+0	19½c	20½c	✓
101+0	19½c	20c	✓

West Coast
Dr Carl Fessler Rd Slope Staples

102+0	17F	19½C	✓
103+0	17F	17½F	✓
104+0	16½F	17F	✓
105+0	19½C	16½F	✓
106+0	20½C	20½C	✓
107+0	20½C	20C	
108+0	20C	20C	
109+0	20½C	20C	✓
110+0	20C	20C	
111+0	21C	20½C	✓
112+0	19½C	20C	✓
113+0	19C	19½C	✓
114+0	16½F	16F	✓
115+0	19½C	16F	✓
116+0	22C	21C	✓
117+0	22½C	21½C	✓
118+0	21C	21C	✓
119+0	19½C	20C	✓
120+0	16½F	17½F	✓
121+0	20C	19½C	✓
122+0	17F	19½C	✓
123+0	23½C	22½C	✓
124+0	25½C	23½C	✓
125+0	22C	22½C	✓
126+0	18½F	18F	✓

2nd Earl Leire Rel Slope Stake

127+0	22 1/2 F	21 F ✓
128+0	16 1/2 F	20 F ✓
129+0	21 1/2 C	17 F ✓
130+0	17 1/2 F	19 F
131+0	25 C	16 1/2 F
132+0	27 1/2 C	23 1/2 C
133+0	23 1/2 C	21 1/2 C
134+0	22 1/2 C	22 C
135+0	21 1/2 C	20.5 C
136	25 C	24.5 C
137	23.5 C	23 C
138	22.5 C	22.5 C
139	17 F	22 C
140	19.5 F	22 F
141	24 F	24.5 F
142	26.5 F	25.5 F
142+66	35.5 F	22 F
143+24	33 F	24.5 F
143+50	33.5 F	24.5 F
143+88	33.5 F	21 F
144+46	34 C	37 C
145+0	34 C	29 C
146+0	31 C	31 C
147+0	24.5 C	25 C
147+42	25.5 C	21.5 C

3.3

142+53.7

143+53.7

10.0
37

96.3

33.5

	W	E
147+77	19C	19C
148+10	18.5F	19.5C
149+0	18F	20.5C
150+0	20.5C	22C
151+0	20.5C	20.5C
151+66	21C	20.5C
152+0	21C	21C
153+0	20C	20C
154+0	16F	19.5C
155+0	16.5F	19.5C
156+03	16F	19.5C
157+0	19C	19.5C
158+0	20.5C	20.5C
159+0	19C	19.5C
160+0	17.5F	17.5F
161+0	20C	16.5F

Dr. Earl Ferree Rd.

Sta.	Stake	Ground 3' in	Ground 8' in	Ground 8' in	Ground 8' in	Ground 8' in
154+10	66.40	66.28	66.35	66.39	66.46	66.41
153+60	66.85	66.84	66.86		66.91	
153+10	68.41	68.12	68.84		68.42	
152+60	69.09	69.15	69.10		69.10	
152+10	70.57	69.75	69.92		70.59	
151+60	71.13	71.20	71.33		71.15	
151+10	71.13	71.16	71.25		71.16	
150+60	70.39	70.49	70.77		70.49	
150+10	70.03	69.29	69.58		70.10	
149+60	68.52	68.37	67.92		68.52	
149+10	65.54	66.48	66.44		65.50	
148+60	62.00	63.09	65.23		62.02	
148+10	62.90	63.66	64.65		62.90	
147+83	61.04	Fl. W.				
	57.07	- 25' W.				
	59.14	- 15' W.				

151+85 71.37
152+35 69.64

B.M. Sta 161+10

N. rail of track & of road El. 65.65

B.M. N. Hdwall.

El. - 65.03

Fl. 12" Tile 63.20

○ 68.98

B.M. on large boulder in
Fred Hake's yard El. 75.03

○ 66.81

○ 65.82

○ 71.51

71.37
62.12
8.45

69.64
63.04
6.55

Hallett Road					
Sta	E. Stk	W. Stk	Tile H	Cut E	Cut W
0+00	99.72	98.60	96.10	3.72	2.60
1	99.88	100.06	95.75	4.13	4.31
2	✓ 100.65	100.84	95.50	5.15	5.34
3	99.77	99.93	95.25	4.52	4.68
4	98.49	98.64	95.00	3.49	3.64
5	98.15	97.66	94.75	3.40	2.85
6	98.00	97.41	94.50	3.50	2.91
7	97.97	97.50	94.25	3.72	3.25
8	97.85	97.55	94.00	3.85	3.55
9	97.10	96.870	93.75	3.35	3.12
10	97.00	96.96	93.50	3.50	3.46
11	97.92	97.42	93.25	4.67	4.16
12	✓ 98.12	97.63	93.00	5.12	4.63
13	✓ 98.29	97.10	92.75	5.54	4.35
14	97.02	96.46	92.50	4.52	3.96
15	95.17	94.49	91.50	3.67	2.99
16	93.43	92.55	90.50	2.93	2.05
17	91.90	91.22	89.50	2.40	1.72
18	89.68	89.55	88.50	1.18	1.05
19	91.35	91.30	88.70	2.65	2.60
20	92.70	92.65	88.90	3.80	3.75
21	92.10	92.30	89.10	3.00	3.20
22	91.90	92.00	89.30	2.60	2.70
23	92.46	92.23	89.50	2.96	2.73

Tile

BM. E/ 100.00
Top S. Hdwls
E. Side

Sta	E. Stk	W. Stk	Tile H
24	92.82	93.04	89.70
25	91.66	91.95	89.90
26	91.85	92.10	90.10
27	93.77	94.56	90.30

Sta	E. Cut	W. Cut
24	3.12	3.34
25	1.76	2.05
26	1.75	2.00
27	3.47	4.26

FL. Culvert
Start - 67.30

60.05

Sta

Stake

Hollist Road Tide

1700

2+00

0+00 58.46 56.09

1+00 61.15 56.79

2+00 62.38 58.80

2+50 62.25 59.62

2+75 62.90

3+00 63.16

3+50 65.82 65.34

3+60 65.34

4+00 69.20

4+70 69.75

5+00 71.14

5+35 72.09

5+50 74.16

5+75 73.33 73.01

$$\begin{array}{r} 2.5 \\ 75 \\ \hline 175 \\ 175 \\ \hline 1875 \end{array}$$

$$\begin{array}{r} 67.50 \\ 1.88 \\ \hline 69.38 \end{array}$$

58.70

5 71.14
4 69.20
3 65.34
2 62.38
1 61.15
0 58.46

BM 79.57
NW cor Merrill
Walk.

BM 85.12
NW cor Carl
Euler Walk.

$$\begin{array}{r} 150 \\ 3 \end{array}$$

$$\begin{array}{r} 150 \\ 600 \end{array}$$

$$\begin{array}{r} 14.2 \\ 150 \\ 630 \end{array}$$

$$\begin{array}{r} 2.1 \\ 620 \end{array}$$

$$\begin{array}{r} 175 \\ 450 \\ 350 \\ \hline 1000 \\ 875 \\ \hline 12500 \\ 58 \end{array}$$

$$\begin{array}{r} 1.75 \\ 5 \end{array}$$

$$\begin{array}{r} 15.0 \\ 45.0 \\ 5.0 \end{array}$$

$$\begin{array}{r} 2.57 \end{array}$$

Hallett Road Tile

E side Sta

Sta	E. Side	Tile M	✓
113+53	74.38	69.95	4.43
113+00	74.39	70.20	4.19
112+00	74.79	70.45	4.34
111+00	75.65	70.70	4.95
110+00	74.83	70.95	3.88
109+00	74.86	71.20	3.66
108+27	75.05	71.39	3.66
107+00	75.27	71.45	3.82
106+00	76.34	73.21	3.13
105+00	77.30	74.45	2.85
104+00	78.29	75.05	3.24
103	78.62	75.65	2.97
102	79.10	76.25	2.85
101	80.46	76.85	3.61
100	81.95	77.45	4.50
99	83.79	78.05	5.74
98	84.40	78.65	5.75
97	83.73	78.85	4.88
96	85.17	79.05	6.12
95	84.64	79.25	5.39
94	83.74	79.45	4.29
93	83.64	79.65	3.99
92	83.50	79.85	3.73

	E. Side	Tile M	
92	82.60	80.05	2.55
91	83.18	80.25	2.93
90	82.92	80.45	2.47
89	83.39	80.65	2.74
88	84.09	80.85	3.24
87	84.44	81.05	3.39
86	84.31	81.25	3.06

Hallett Road W side

Sta	US State	Tide	
113+55	73.26	69.95	3.31
113	74.00	70.20	3.80
112	74.46	70.45	4.01
111	76.00	70.70	5.30
110	74.73	70.95	3.78
109	74.65	71.20	3.45
108+27	75.06	71.39	3.67
108+00	75.45	71.45	4.00
107+65	75.92	72.12	3.80
106+85	76.88	73.32	3.56
106	77.83	74.45	3.38
105	77.94	75.05	2.89
104	78.35	75.65	2.70
103	78.76	76.25	2.51
102	80.08	76.85	3.23
101	81.56	77.45	4.11
100	83.10	78.05	5.05
99	83.79	78.65	5.14
98	83.97	78.85	5.12
97	84.70	79.05	5.65
96	84.85	79.25	5.60
95	84.36	79.45	4.91
94	84.12	79.65	4.47
93	84.05	79.85	4.20

74.43

75.97

74.70

92	83.05	80.05	3.00
91	83.54	80.25	3.29
90	83.56	80.45	3.11
89	84.10	80.65	3.45
88	84.61	80.85	3.76
87	85.01	81.05	4.00
86	84.85	81.25	3.60

Hollett Road

Set I.P. at P.I.
Sta 141+50 - 25' W. of Hokes
fence.

W.T.

Go to post N 85° E. 25.1'

" " S 70° E. 26'

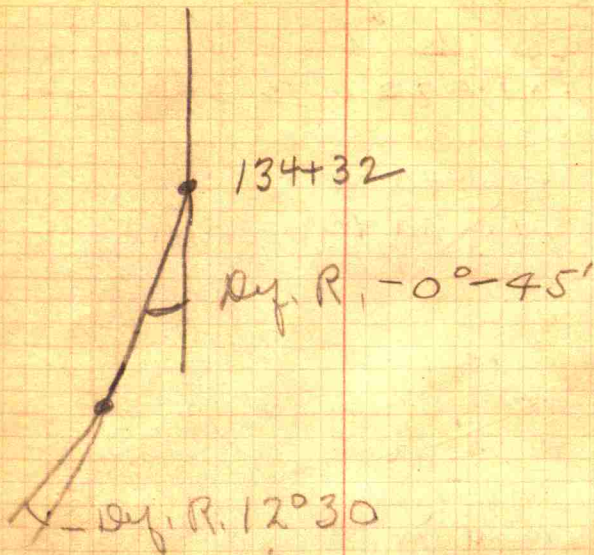
Sta 134+32

Def. R. - 0° 45'

Sta 141+49.6 - Def. R. - 12° 30'

Sta - 141+49.6 - I.P.

148+10 - Def. L 11° 13'



Stone Sta. 134+32

Set stakes:

40' W.

30' E.

Hallitt Road

Gd. Stk.

Sta.	El. Finished Pav't.	El. Sub-Grade	El. Stk.	Fill to Sub-Gd.	Cut to Sub-Grade
0+00	100.00	99.33	98.75	0'-7"	
1+00	99.85	99.18	100.18		1'-0"
2+00	99.70	99.03	101.03		2'-0"
3+00	99.55	99.84	99.86		1'-0"
4+00	99.40	98.73	98.73		Gd.
5+00	99.25	98.58	98.00	0'-7"	
6+00	99.10	98.43	98.10	0'-4"	
7+00	98.95	98.28	98.05	0'-3"	
8+00	98.80	98.13	98.12		Gd.
9+00	98.65	97.98	97.65	0'-4"	
10+00	98.50	97.83	97.82		Gd.
11+00	97.80	97.13	98.14		1'-0"
12+00	97.10	96.43	98.08		1'-8"
13+00	96.40	95.73	97.89		2'-2"
14+00	95.70	95.03	97.68		2'-8"
15+00	95.00	94.33	95.64		1'-4"
16+00	94.30	93.63	94.46		0'-10"
17+00	93.60	92.93	91.93	1'-0"	
17+89	92.98	92.31			
18+00	92.90	92.23	90.15	2'-1"	
19+00	93.00	92.33	93.51		1'-3"
20+00	93.10	92.43	93.16		0'-9"
21+00	93.20	92.53	93.58		1'-1"

98.17

93.58

92.52

1.06

99.33

98.75

.58

99.18

98.08

96.43

1.65

100.32

99.18

1.14

101.30

93.40

93.47

92.52

92.52

.88

95

98.58

98.47

93.63

92.33

93.51

92.31

1.20

92.23

90.15

2.08

1.65

93.16

92.43

73

92.43

92.15

.78

97.89

95.73

2.16

94.46

93.63

.83

97.64

95.03

2.61

92.21

92.31

90.15

2.16

95.64

94.33

1.31

92.31

90.16

2.15

Hedlett Road

Sta.	El. Finished Pav't.	El. Sub Grade	El. Str.	Fill to Sub. Grade	Cut to Sub. Grade
22+0	93.30	92.63	92.62		Gd.
23+0	93.40	92.73	92.73		Gd.
24+0	93.50	92.83	93.83		1'-0"
25+0	93.80	93.13	92.70	0'-5"	
25+60	93.98	93.31			
26+00	94.10	93.43	93.43		Gd.
27+0	94.40	93.73	94.74		1'-0"
28+0	94.70	94.03	95.34		1'-4"
29+0	95.00	94.33	94.89		0'-7"
30+0	94.90	94.23	94.74		0'-6"
31+0	94.80	94.13	95.12		1'-0"
32+0	94.70	94.03	95.60		1'-7"
33+0	94.60	93.93	94.17		0'-3"
34+0	94.50	93.83	93.83		Gd.
35+0	93.90	93.23	94.24		1'-0"
36+0	93.30	92.63	93.13		0'-6"
37+0	92.70	92.03	92.53		0'-6"
38+0	92.10	91.43	92.41		1'-0"
39+0	91.15	90.48	91.98		1'-6"
40+0	89.50	88.83	89.99		1'-2"
41+0	87.50	86.83	87.57		0'-9"
42+0	85.50	84.83	84.91		0'-1'
42+63	84.24	83.57			
43+0	83.50	82.83	83.57	0'-4"	0'-9"

94.50

93.93

93.13

92.70

93.13

43

92.63
50

94.74 94.85

94.23 94.23

53.8 62

87.79 95.60

86.83 94.03

96 1.57

94.89

94.33

56

87.72 95.34

86.83 94.03

96 1.38

94.88

94.33

55

83.30

83.57

82.83

74

92.61

89.99

93.23

88.83

92.63

1.16

60

94.74

93.93

24

84.94

84.63

11

92.73

92.03

1.27

94.90

93.73

1.27

91.98

90.48

150

87.57

86.83

74

87.60

86.83

77

Sta	El. Finished Pavt	El. Sub. Grade	El. Stk.	Fill to Sub. Gd.	Cut to Sub. Gd.
44+0	82.50	81.83	82.50		0'-8"
45+0	82.50	81.83	81.00	0'-10"	
45+23	82.50	81.83			
46+0	82.50	81.83	79.52	1'-4"	
47+0	82.68	82.01	80.85	1'-2"	
48+0	84.00	83.33	87.16		3'-10"
49+0	85.50	84.83	88.58		3'-9"
50+0	86.10	85.43	88.43		3'-0"
51+0	85.50	84.83	87.15		2'-4"
52+0	84.00	83.33	81.42	1'-11"	
53+0	82.50	81.83	78.84	3'-0"	
53+22	82.38	81.71			
53+49	82.00	81.33			
54+0	82.25	81.58	77.15	4'-5"	
55+0	83.25	82.58	76.35	6'-3"	
56+00	84.25	83.58	83.41	0'-2"	
57+0	84.83	84.16	85.50		1'-4"
58+0	85.05	84.38	85.71		1'-4"
59+0	84.85	84.18	84.85		0'-8"
60+0	84.65	83.98	84.66		0'-8"
61+0	84.45	83.78	83.78		Grade.
62+0	84.25	83.58	80.58	3'-0"	
63+0	84.42	83.75	81.00	2'-9"	
64+0	84.96	84.29	84.29		Grade
65+0	85.50	84.83	86.58		1'-9"

82.50	82.50	81	83	81.00
81.83	81.83	81	83	
67	71			
82.50	81.83	85.50		50.25
80.85	81.25	84.16		
11.16	58	1.34		
86.58	82.01	84.85	79.52	
84.83	80.85	84.16	81.83	
1.55		.62	69	85.71
88.56	1.13	81.83		84.38
84.83		79.52		1.33
37.5	82.01	83.75	1.31	
88.43	80.88	81.05		
85.43	1.13	26	87.16	
	83.33	87.17	83.33	
	81.42	84.83	3.62	
	1.96	234		
	81.58	81.83		
	77.15	78.91		
	4.43	83.58		83.58
82.50	84.66	83.41		80.71
76.35	83.98	.17		2.87
6.23	6.8			
	83.75			
	81.00			
	2.75			

Sta	El. Fin. Post	El. Sub. Gd	El. S+K	Fill to Sub Grade	Cut To Subgrade
66+0	86.04	85.37	87.88		2'-6"
67+0	86.58	85.91	87.91		2'-0"
68+0	87.12	86.45	87.46		1'-0"
69+0	87.65	86.98	88.65		1'-8"
70+0	87.45	86.78	88.52		1'-9"
71+0	87.25	86.58	86.59	Grade	
72+0	87.05	86.38	85.63	0'-9"	
73+0	86.85	86.18	85.68	0'-6"	
74+0	86.65	85.98	85.65	0'-4"	
75+0	86.45	85.78	85.78	Grade	
76+0	86.25	85.58	85.90	0'-4"	
77+0	86.05	85.38	85.89	0'-6"	
78+0	85.85	85.18	86.16	1'-0"	
79+0	85.65	84.98	85.66	0'-8"	
80+0	85.45	84.78	83.77	1'-0"	
81+0	85.25	84.58	83.50	1'-1"	
82+0	85.05	84.38	82.56	1'-10"	
83+0	84.85	84.18	83.18	1'-0"	
84+0	84.65	83.98	83.64	0'-4"	
85+0	84.45	83.78	84.50	0'-10"	
86+0	84.25	83.58	84.50	0'-11"	
87+0	84.05	83.38	84.37	1'-0"	
88+0	83.85	83.18	84.00	0'-10"	
89+0	83.65	82.98	83.30	0'-4"	
90+0	83.75	83.08	83.08	Grade	

87.88	85.37	85.49
83.30	2.51	85.38
82.98	32.68	51
86.98	1.07	85.98
86.10	85.65	33
85.18	92	85.46
85.58	32	85.58
84.56	85.60	73
83.50	84.98	68
84.38	82.56	1.52
84.00	84.50	82
83.18	83.78	82
84.50	83.58	92
83.58	92	

89.80

88.52
86.78
1.74

86.32

86.38
85.63
75
86.18
85.68

Sta 83

83.81

86.00
85.38

84.38
82.59
81.79

83.98
83.64
34

84.50
83.58
92

Sta	EI. Finish Pos't	EI. of Sub-grad	EI. Stake	Fill To Sub-grad	Cut To Sub-grad
91+0	83.85	83.18	83.03	0'-2"	
92+0	83.95	83.28	83.78	0'-6"	
93+0	84.05	83.38	84.70	1'-4"	
94+0	84.15	83.48	84.30	0'-10"	
95+0	84.25	83.58	84.58	1'-0"	
96+0	84.35	83.68	85.25	1'-7"	
97+0	84.45	83.78	85.45	1'-8"	
98+0	84.55	83.88	83.89	Gd.	
99+0	84.65	83.98	83.97	Gd.	
100+0	83.75	83.08	83.66	0'-7"	
101+0	82.85	82.16	82.48	0'-4"	
102+0	81.95	81.28	80.53	0'-9"	
103+0	81.05	80.38	79.45	0'-11"	
104+0	80.15	80.48	79.32	1'-2"	
105+0	79.25	78.58	78.57	Gd.	
106+0	78.27	77.55	78.46	0'-11"	
106+23	77.98	77.31	—	—	
106+56	77.45	76.77	77.75	1'-0"	
106+89	76.92	76.25	—	—	
107+23	76.37	75.70	76.66	1'-2"	
107+60	75.79	75.12	—	—	
107+94	75.25	74.58	—	—	
108+27	75.25	74.58	—	—	
109+0	75.25	74.58	75.35	0'-9"	
110+0	75.25	74.58	75.35	0'-9"	

79.33

83.85
83.03
15

83.75
43.28
5.2

84.30
83.48
82.84
84.79
83.38
3.2

83.72
83.08
6.4
83.69
83.08
5.8
65.54
83.74
1.78

82.46
82.14
3.0
75.45
74.56
8.9
74.56
74.76
8.0
75.20
1.18

83.35

B.M. - E1. 85.12

Euliss N.W. corner
of side walk.

85.25
83.68
1.57
85.45
83.78
1.67
91.28
80.53
10.75
93

77.74
77.51
39

80.46
79.82
1.16
75.35
74.58
77

74.63

Sta	F.M.	Sub.	E.I.	Fill to Sub. Gd	Cut
111+0	75.25	74.58	76.59		2'-0"
112+0	75.25	74.58	75.17		0'-7"
113+0	75.25	74.58	74.58	Gd.	
114+0	75.25	74.58	73.98	0'-7"	
115+0	75.25	74.58	74.91		0'-4"
116+0	75.25	74.58	77.08		2'-6"
117+0	75.25	74.58	77.42		2'-10"
118+0	75.25	74.58	76.24		1'-8"
119+0	74.56	73.89	74.40		0'-6"
120+0	73.17	72.50	72.51	Grade	
121+0	71.78	71.11	71.10	Grade.	
122+0	70.39	69.72	68.73	1'-0"	
123+0	68.70	67.53	72.03		4'-6"
124+0	65.20	64.53	71.01		7'-0"
125+0	62.20	61.53	64.53		3'-0"
126+0	59.20	58.53	57.12	1'-5"	
127+0	56.20	55.53	51.20	4'-4"	
128+0	55.13	54.46	54.97		0'-6"
129+0	55.98	55.31	57.80		2'-6"
130+0	56.83	56.16	56.16	Gd.	
131+0	58.50	57.90	63.73		5'-10"
132+0	61.00	60.33	69.15		8'-10"
133+0	63.56	62.80	67.12		4'-4"
134+0	64.63	63.96	67.04		3'-1"
135+0	63.00	62.33	64.92		2'-7"

77.08	75.17	74.58	73.98	5780
74.58	74.58	74.58	73.98	5531
2.50	67.20	62.80	60	249
	74.91	62.80	74	
	74.58	4.40	35	5784
	33			5531
77.46	77.42	76.24		256
74.58	74.58	74.58		3
1.88	1.84	1.66		
	67.04	63.96	74.40	
75.57	71.11	3.05	73.89	
	70.7	67.12	65	
72.13	72.03	62.80		5583
67.53	67.53	43.2	71.50	5120
4.60	4.50	64.53		133
<u>65.39</u>		7.97		
54.42	54.97	58.53		
	54.46	57.12		
<u>56.42</u>	50	148		
	63.73	69.15		
67.04	57.90	60.33		
53.90	58.3	62.80		
3.10		62.80		

Sta.	Fin. Pavt	Sub Grade	LI. Stake	Fill to Sub	Cut to Sub
136+0	60.00	59.33	65.34		6'-0"
137+0	57.00	56.33	61.00		4'-8"
138+0	54.00	53.33	56.58		3'-3"
139+0	51.00	50.33	50.64		0'-4"
140+0	49.50	48.83	46.03	2'-10"	
141+0	49.50	48.83	43.17	5'-8"	
142+0	49.50	48.83	40.98	7'-10"	
143+50	50.00	49.39	43.92	5'-5"	
143+88	51.10	50.43	50.68	0'-3"	
144+46	53.34	52.67	66.58	15'-11"	
145+0	55.50	54.83	7		
146+0	59.50	58.83	70.35	11'-6"	
147+0	63.50	62.83	68.74	5'-11"	
147+42	65.00	64.33			
147+77	65.93				
148+10	66.28	65.61	67.15	1'-6"	
149+0	67.84	67.17	69.32	2'-2"	
150+0	69.40	68.73	71.50	2'-9"	
151+0	70.96	70.29	72.03	1'-9"	
151+66	71.25	70.58			
152+0	71.00	70.33	72.08	1'-9"	
153+0	69.50	68.83	69.23	0'-5"	
154+0	68.25	67.58	67.09	0'-6"	
155+0	68.29	67.62	66.94	0'-8"	
156+03	68.58	67.91	66.92	1'-0"	

E.I. Top of $\frac{1}{2}$ mi stone
 Sta. 134+ = 65.08
 $\begin{array}{r} 69.23 \\ 68.83 \\ \hline .40 \end{array}$
 $\begin{array}{r} 65.34 \\ 59.33 \\ \hline 6.01 \end{array}$
 $\begin{array}{r} 48.83 \\ 46.04 \\ \hline 2.79 \end{array}$
 $\begin{array}{r} 56.58 \\ 53.33 \\ \hline 3.25 \end{array}$
 $\begin{array}{r} 67.58 \\ 70.9 \\ \hline .49 \end{array}$
 $\begin{array}{r} 48.83 \\ 43.17 \\ \hline 5.66 \end{array}$
 $\begin{array}{r} 48.83 \\ 40.98 \\ \hline 7.85 \end{array}$
 $\begin{array}{r} 32.50 \\ 27.62 \\ \hline 4.88 \end{array}$
 $\begin{array}{r} 66.94 \\ .68 \end{array}$
 $\begin{array}{r} 46.04 \\ 50.33 \\ \hline 5.29 \end{array}$
 $\begin{array}{r} 49.33 \\ 43.92 \\ \hline 5.41 \end{array}$
 $\begin{array}{r} 70.35 \\ 50.83 \\ \hline 19.52 \end{array}$
 $\begin{array}{r} 32.64 \\ 30.50 \\ \hline 2.14 \end{array}$
 $\begin{array}{r} 65.95 \\ 52.89 \\ \hline 13.06 \end{array}$
 $\begin{array}{r} 64.02 \\ 68.74 \\ \hline 4.72 \end{array}$
 $\begin{array}{r} 70.35 \\ 58.83 \\ \hline 11.52 \end{array}$
 $\begin{array}{r} 67.15 \\ 65.61 \\ \hline 1.54 \end{array}$
 $\begin{array}{r} 72.08 \\ 70.33 \\ \hline 1.75 \end{array}$
 $\begin{array}{r} 67.15 \\ 65.73 \\ \hline 1.42 \end{array}$
 $\begin{array}{r} 72.12 \\ 70.33 \\ \hline 1.79 \end{array}$
 $\begin{array}{r} 67.35 \end{array}$

Sta	Fin Post	sub. grade	El. Stake	Fill sub ed	Cut sub ed
157+0	68.86	68.19	67.51	0'-8"	
158+0	68.54	67.87	68.86		1'-0"
159+0	67.61	66.94	66.45	0'-6"	
160+0	66.68	66.01	64.44	1'-7"	
161+0	65.75	65.08	65.83		0'-9"

6819
67.51
- .68

66.96
45

49

66.01
64.44
1.57

B.M.-E-65,65
M. rail of T.H.I + E.

68.90

67.87

65.83

65.06

75

May 25-1970

Holliston

Rd.

Stakes

Sta.

El. Fin
PointEl. Sub
GradeEl. Stk.
to top 1st Course

0+0	100.00	99.33	99.66	✓
0+50	99.93	99.26	99.59	✓
1+00	99.85	99.18	99.51	✓
1+50	99.77	99.10	99.44	✓
2+00	99.70	99.03	99.36	✓
2+50	99.63	98.96	99.29	✓
3+00	99.55	98.88	99.21	✓
3+50	99.47	98.80	99.13	✓
4+00	99.40	98.73	99.06	✓
4+50	99.33	98.66	98.99	✓
5+00	99.25	98.58	98.91	✓
5+50	99.18	98.51	98.84	✓
6+00	99.10	98.43	98.76	✓ ○
6+50	99.03	98.36	98.69	✓
7+00	98.95	98.28	98.61	✓
7+50	98.88	98.21	98.54	✓
8+00	98.80	98.13	98.46	✓
8+50	98.73	98.06	98.39	✓
9+00	98.65	97.98	98.31	✓ ○ W
9+50	98.58	97.91	98.14	✓
10+00	98.50	97.83	98.16	✓ G.d. Break.
10+50	98.15	97.48	97.82	✓
11+00	97.80	97.13	97.46	✓
11+50	97.45	96.78	97.12	✓

Set to Top of 1st. Course of stone.

Stakes are set 12' from &

or 3' outside stone line (8' from Line sth.)

El. 99.00

Nail in telephone
pole Sta 10+25

Sta	El. Fin Pav't	El. Sub Grade	El. Stk. to Top of 1st Course	
12+00	97.10	96.43	96.76	✓
12+50	96.75	96.08	96.42	✓
13+00	96.40	95.73	96.06	✓
13+50	96.05	95.38	95.72	✓ ○
14+00	95.70	95.03	95.36	✓
14+50	95.35	94.68	95.02	✓
15+00	95.00	94.33	94.66	✓
15+50	94.65	93.98	94.32	✓
16+00	94.30	93.63	93.96	✓
16+50	93.95	93.28	93.62	✓
17+00	93.60	92.93	93.26	✓
17+50	93.25	92.58	92.92	✓
18+00	92.90	92.23	92.56	✓ Gd. Brook.
18+50	92.95	92.28	92.61	✓
19+00	93.00	92.33	92.66	✓✓
19+50	93.05	92.38	92.71	✓
20+00	93.10	92.43	92.76	✓
20+50	93.15	92.48	92.81	✓
21+00	93.20	92.53	92.86	✓
21+50	93.25	92.58	92.91	✓
22+00	93.30	92.63	92.96	✓
22+50	93.35	92.68	93.01	✓
23+00	93.40	92.73	93.06	✓
23+50	93.45	92.78	93.11	✓

B.M. on N end of
W rail of bridge Sta 17+89
El. 94.00

○ 92.65

Sta.	El. Fin Pav't	El. Sub Grade	El. SFL Topist Course	
24+0	93.50	92.83	93.16	✓ Gd. Break.
24+50	93.65	92.98	93.31	✓
25+0	93.80	93.13	93.46	✓
25+50	93.95	93.28	93.61	✓
26+0	94.10	93.43	93.76	✓
26+50	94.25	93.58	93.91	✓
27+0	94.40	93.73	94.06	✓
27+50	94.55	93.88	94.22	✓
28+0	94.70	94.03	94.36	✓
28+50	94.85	94.18	94.52	✓
29+0	95.00	94.33	94.66	✓ Gd. Break.
29+50	94.95	94.28	94.62	✓
30+0	94.90	94.23	94.56	✓
30+50	94.85	94.18	94.52	✓
31+0	94.80	94.13	94.46	✓
31+50	94.75	94.08	94.42	
32+0	94.70	94.03	94.36	
32+50	94.65	93.98	94.32	
33+0	94.60	93.93	94.26	
33+50	94.55	93.88	94.22	
34+0	94.50	93.83	94.16	Gd. Break.
34+50	94.20	93.53	93.87	✓
35+0	93.90	93.23	93.56	✓
35+50	93.60	92.93	93.27	X
36+0	93.30	92.63	92.96	✓

B.M. E1.95.03

N. end W. rail of Culvt.

Sta. 25+60

0.94.36

Sta	Post	El. Fin	El. Sub	El. Str.	Ch. or Boards
		Grade	Top of 1st	Ground	W. E.
36+50	93.00	92.33	92.67	✓	
37+0	92.70	92.03	92.36	✓	
37+50	92.40	91.73	92.07	✓	
38+0	92.10	91.43	91.76	✓	
38+50	91.62	90.95	91.29	✓	
39+0	91.15	90.48	90.81	✓	GD. BREAK
39+50	90.82	90.15	90.49	X	
40+0	89.50	88.83	89.16	✓	
40+50	88.50	87.83	88.17	X	
41+0	87.50	86.83	87.16	✓	
41+50	86.50	85.83	86.17	✓	
42+0	85.50	84.83	85.16	✓	
42+50	84.50	83.83	84.17	X	
43+0	83.50	82.83	83.16	✓	
43+50	83.00	82.33	82.67	✓	GD. BREAK
44+0	82.50	81.83	82.16	✓	
44+50	82.50	81.83	82.17	✓	
45+0	82.50	81.83	82.16	X	(Beardsley 82.70)
45+50	82.50	81.83	82.17	✓	(E. 82.54)
46+0	82.50	81.83	82.16	✓	
46+50	82.59	81.92	82.26	82.31	82.10
47+0	82.68	82.01	82.34	82.34	82.41
47+50	83.34	82.67	83.01	83.19	83.12
48+0	84.00	83.33	83.66	83.70	83.78
48+50	84.75	84.08	84.42	✓	

90.79

093.30

93.00

92.33

.67

92.67

92.33

.34

33

83.42

83.63

82.47

81.50

Sta	EI. Fin	EI. Sub	EI. Str	Ch. on Board
Post	Grade	Top 1st C.	und.	
49+0	85.50	84.83	85.16	✓
49+50	85.80	85.13	85.47	✓
50+0	86.10	85.43	85.76	✓
50+50	85.80	85.13	85.47	✓
51+0	85.50	84.83	85.16	✓
51+50	84.75	84.08	84.42	✓
52+0	84.00	83.33	83.66	✓
52+50	83.25	82.58	82.92	✓
53+0	82.50	81.83	82.16	✓
53+50	82.37	81.70	82.04	✓
54+0	82.25	81.58	81.91	✓
54+50	82.75	82.08	82.42	✓
55+0	83.25	82.58	82.91	✓ ✓
55+50	83.75	83.08	83.42	✓ ✓
56+0	84.25	83.58	83.91	✓ ✓
56+50	84.54	83.87	84.21	✓ ✓
57+0	84.83	84.16	84.49	✓ ✓
57+50	84.94	84.27	84.61	✓ ✓
58+0	85.05	84.38	84.71	✓ ✓
58+50	84.95	84.28	84.62	✓ ✓
59+0	84.85	84.18	84.51	✓ ✓
59+50	84.75	84.08	84.42	✓ ✓
60+0	84.65	83.98	84.31	✓ ✓
60+50	84.55	83.88	84.22	✓ ✓
61+0	84.45	83.78	84.11	✓ ✓

B.M. on North End of
West rail of bridge Sta. 45+90
El. 83.16

B.M. on North End of East
rail at Sta. 54+50
El. 83.65

84.10

Sta.	El. Fin.	el. start	el. end	to corner	
61+50	84.35	83.68	84.02	✓	✓
62+0	84.26	83.58	83.91	✓	✓
62+50	84.33	83.66	84.00	✓	✓
63+0	84.42	83.75	84.08	✓	✓
63+50	84.69	84.02	84.35	✓	✓
64+0	84.96	84.29	84.62	✓	✓
64+50	85.28	84.56	84.90	✓	✓
65+0	85.50	84.83	85.16	✓	✓
65+50	85.77	85.00	85.34	✓	✓
66+0	86.04	85.27	85.60	✓	✓
66+50	86.31	85.54	85.88	✓	✓
67+0	86.58	85.81	86.14	✓	✓
67+50	86.85	86.08	86.42	✓	✓
68+0	87.12	86.35	86.68	✓	✓
68+50	87.39	86.62	86.96	✓	✓
69+0	87.65	86.98	87.31	✓	✓
69+50	87.55	86.88	87.22	✓	✓
70+0	87.45	86.78	87.11	✓	✓
70+50	87.35	86.68	87.02	✓	✓
71+0	87.25	86.68	86.91	✓	✓
71+50	87.15	86.78	86.82	✓	✓
72+0	87.05	86.38	86.71	✓	✓
72+50	86.95	86.28	86.62	✓	
73+0	86.85	86.18	86.51	✓	
73+50	86.75	86.08	86.42	✓	

84.028

64

66

54
33 44

B.M. N. end of East
rail of Culvert Sta 62+30

E1.85.29

86.66

87.00

Sta.	E1. Fin. Post	E1. Sub-Gd.	E1. 1st. Course Stone.	
74+0	86.65	85.98	86.31	✓
74+50	86.55	85.88	86.22	✓
75+0	86.45	85.78	86.11	✓
75+50	86.35	85.68	86.02	✓
76+0	86.25	85.58	85.91	✓
76+50	86.15	85.48	85.82	✓
77+00	86.05	85.38	85.71	✓
77+50	85.95	85.28	85.62	✓
78+0	85.85	85.18	85.51	✓
78+50	85.75	85.08	85.42	✓
79+0	85.65	84.98	85.31	✓
79+50	85.55	84.88	85.22	✓
80+0	85.45	84.78	85.11	✓
80+50	85.35	84.68	85.02	✓
81+0	85.25	84.58	84.91	✓
81+50	85.15	84.48	84.82	✓
82+0	85.05	84.38	84.71	✓
82+50	84.95	84.28	84.62	✓
83+0	84.85	84.18	84.51	✓
83+50	84.75	84.08	84.42	✓
84+0	84.65	83.98	84.31	✓
84+50	84.55	83.88	84.22	✓
85+0	84.45	83.78	84.11	✓
85+50	84.35	83.68	84.02	✓
86+0	84.25	83.58	83.91	✓

85.32

B.M. on N. end of
E. rail of Culvert. Sta 82+

E1. 85.48

Sta.	El.	El.	El. 1st.	
Fin. Riv	Sub. G.C.	Curve stone		
86+50	84.15	83.46	83.82	✓
87+0	84.05	83.36	83.71	✓
87+50	83.95	83.26	83.62	✓
88+0	83.85	83.18	83.51	✓
88+50	83.75	83.08	83.42	✓
89+0	83.65	82.98	83.31	✓
89+50	83.70	83.03	83.38	✓
90+0	83.75	83.08	83.41	✓
90+50	83.80	83.13	83.48	✓
91+0	83.85	83.18	83.51	✓
91+50	83.90	83.23	83.57	✓
92+0	83.95	83.28	83.61	✓
92+50	84.00	83.33	83.67	✓
93+0	84.05	83.38	83.71	✓
93+50	84.10	83.43	83.77	✓
94+0	84.15	83.48	83.81	✓
94+50	84.20	83.53	83.87	✓
95+0	84.25	83.58	83.91	✓
95+50	84.30	83.63	83.97	✓
96+0	84.35	83.68	84.01	✓
96+50	84.40	83.73	84.07	✓
97+0	84.45	83.78	84.11	✓
97+50	84.50	83.83	84.17	✓
98+0	84.55	83.88	84.21	✓
98+50	84.60	83.93	84.27	✓

Continued 2 pages over

B.M. 17 end East rail
of head wall Sta. 90+10
El. 84.22

Curves P.C. 140+32.8

2+33
P.T. 142+65.8

$$\Delta = 12^{\circ} 30'$$

$$T = 117.2'$$

$$D = 5^{\circ} 21'$$

$$L = 233'$$

$$Ext = 6.4$$

10' 48" = Def. from P.C. to
Sta 141+00

4' 28" = Def from P.C.
to 142+0

6' 15" = Def from P.C. to
P.T.

$$\Delta = 11^{\circ} 13'$$

$$T = 100.5$$

$$D = 5^{\circ} 36'$$

$$Ext = 5.0'$$

55' = Def from P.C. to 147+42
1' 54" = " " " " 147+77
5' 21" = " " " " 149+0

Ferree Rd.				
Sta	Sub. Cd	Stk	Cut to Sub. Cd	Fill to Sub. Cd
135+0	62.33	64.83	2'-6"	
136+0	59.33	65.34	6'-0"	
137+0	56.33	60.89	4'-7"	
138+0	53.33	56.75	3'-5"	0
139+0	50.33	50.70	0'-1 1/2"	0'-1 1/2"
140+0	48.83	46.14	2'-11"	2'-11"
141+0	48.83	43.21	5'-7 1/2"	5'-7 1/2"
142+0	48.83	41.02	7'-10"	7'-10"
143+50	49.33	46.45	2'-10 1/2"	2'-10 1/2"
144+46	52.67	63.06	10'-5"	
145+0	54.83	69.15	14'-4"	
146+0	58.83	71.25	12'-5"	
147+0	62.83	68.00	5'-2"	
147+42	64.33			
148+10	65.61			

E. Rail Iron Bridge

El. 50.75

46.07

55.90

65.37

58.73

60.81

56.33

4.56 33

20

13

56.01

48.83 56.10

46.14

289 56.97

56.75

53.33

3.42

64.83

62.33

2.50

63.04

52.67

10.39

48.83 59.33

43.21 6.00

5.62

48.83

41.02

68.00

62.63

5.17

71.25

58.83

12.42

49.33

46.45

2.88

69.15

54.83

14.32

Sta.	Fin Part	Sub-Gcd.	Course
79+0	84.65	83.98	84.31 ✓
99+50	84.20	83.53	83.87 ✓
100+0	83.75	83.08	83.41 ✓
100+50	83.30	82.63	82.97 ✓
101+0	82.85	82.18	82.51 ✓
101+50	82.40	81.73	82.07 ✓
102+0	81.95	81.28	81.61 ✓
102+50	81.50	80.83	81.17 ✓
103+0	81.05	80.38	80.71 ✓
103+50	80.60	79.93	80.27 ✓
104+0	80.15	79.48	79.81 ✓
104+50	79.70	79.03	79.36 ✓
105+0	79.25	78.58	78.91 ✓
105+50	78.80	78.06	78.40 ✓
P. 105+92	78.42	77.55	77.88 ✓
106+17	78.10	77.43	77.76 ✓
106+42	77.77	77.10	77.43 ✓
P. 106+67	77.45	76.78	77.11 ✓
P. 107+62	76.21	75.54	75.87 ✓
P. 108+37	75.25	74.58	74.91 ✓
109+0	75.25	74.58	74.91 ✓
109+50	75.25	74.58	74.91 ✓
110+0	75.25	74.58	74.91 ✓
110+50	75.25	74.58	74.91 ✓
111+00	75.25	74.58	74.91 ✓

⑦ 75.09

B.M.
N end E rail
of culvt.
Sta. 113+75
El. 75.70

$$\begin{array}{r} 78.35 \\ 75.25 \\ \hline \end{array}$$
$$\begin{array}{r} 130 \\ 237 \overline{) 310} \\ \underline{237} \\ 730 \\ \underline{711} \\ 190 \end{array}$$

237
7622
7525

$$\begin{array}{r} 297 \\ \times 4 \\ \hline 1188 \end{array}$$

108 + 37
to

$$109 + 0 = 41$$
$$\begin{array}{r} 10667 \\ 93 \overline{) 10762} \end{array}$$

STA	EL	EL.	EL.	
	FIN PAVT	SUB-GRD	1st COURSE	
111+50	75.25	74.58	74.91	✓
112+00	75.25	74.58	74.91	✓
112+50	75.25	74.58	74.91	✓
113+00	75.25	74.58	74.91	✓
113+50	75.25	74.58	74.91	✓
114+00	75.25	74.58	74.91	✓
114+50	75.25	74.58	74.91	✓
115+00	75.25	74.58	74.91	✓
115+50	75.25	74.58	74.91	✓
116+00	75.25	74.58	74.91	✓
116+50	75.25	74.58	74.91	✓
117+00	75.25	74.58	74.91	✓
117+50	75.25	74.58	74.91	✓
118+00	75.25	74.58	74.91	✓
118+50	74.90	74.23	74.56	✓
119+00	74.56	73.89	74.22	✓
119+50	73.85	73.18	73.54	✓
120+00	73.17	72.50	72.83	✓
120+50	72.47	71.80	72.14	
121+00	71.78	71.11	71.44	
121+50	71.09	70.42	70.76	
122+00	70.39	69.72	70.05	
122+50	69.50	68.83	69.17	V.C.
123+00	68.20	67.53	67.86	
123+50	66.70	66.03	66.37	

STA.	EL.	EL.	EL.	
FIX. PAVT. SUB-GRD			1st COURSE	
124+00	65.20	64.53	64.86	
124+50	63.70	63.03	63.37	
125+00	62.20	61.53	61.86	
125+50	60.70	60.03	60.37	
126+00	59.20	58.53	58.86	
126+50	57.70	57.03	57.37	
127+00	56.20	55.53	55.86	
127+50	55.40	54.73	55.07	✓ v. e.
128+00	55.13	54.46	54.74	✓
128+50	55.56	54.89	55.23	✓
129+00	55.98	55.31	55.64	✓
129+50	56.40	55.73	56.07	✓
130+00	56.83	56.16	56.49	✓
130+50	57.25	56.58	56.92	✓ v. e.
131+00	58.50	57.83	58.16	✓
131+50	59.75	59.08	59.42	✓
132+00	61.00	60.33	60.66	✓
132+50	62.25	61.58	61.92	✓
133+00	63.50	62.83	63.16	✓
133+50	64.06	63.39	63.73	✓
134+00	64.63	63.96	64.29	✓ v. e.
134+50	63.82	63.15	63.49	✓
135+00	63.00	62.33	62.70	✓
135+50	61.50	61.51	61.84	✓
136+00	60.00	60.09	60.42	✓

Rock- Sta. 134+5 - El. 63.85
 north end East Rail El. 57.64

67
 76.78
 57.75
 55.86
 76.211
 67
 75.54
 57.64
 60.66
 58.16
 56.44
 75.57
 67
 74.90
 33
 23
 60.77
 59.72
 1.35
 58.15
 56.92
 1.23
 83

Sta 127+0
 El.

STA	FL	FL	FL	
	FIN. PAYT	SUB. CD	1st. COURSE	
136+50	58.57	58.67	59.00	✓
137+00		57.25	57.58	✓
137+50		55.83	56.16	✓
138+00		54.41	54.74	✓
138+50		52.99	53.32	✓
139+00		51.83	52.16	✓
139+50		51.18	51.51	✓
140+00		50.79	51.12	✓
140+50		50.40	50.73	
141+00	49.50			
141+50				
142+00	49.50	49.53		
142+50				
143+00				
143+50				
144+00				
144+50				
145+00	55.50			
145+50				
146+00	59.50			
146+50				
147+00	63.50			
147+50				
148+00				
148+50				

54.75

50.50
51.00
50.67
50.33
50.33

51.83
51.67
52.50
50.79
51.46

v.e

STA.	EL	EL	EL
FIN PAVT	SUB GD	1st COURSE	
149+00	67.84		
149+50			
150+00	69.40		
150+50			
151+00	70.96		
151+50			
152+00	71.00		
152+50			
153+00	69.50		
153+50			
154+00	68.25		
154+50			
155+00	68.29		
155+50			
156+00	68.58		
156+50			
157+00	68.86	68.19	68.52
157+50	69.00	68.33	68.67
158+00	68.54	67.87	68.20
158+50	68.08	67.41	67.75
159+00	67.61	66.94	67.27
159+50	67.15	66.48	66.82
160+00	66.68	66.01	66.34
160+50	66.21	65.54	65.88
161+00	65.75	65.08	65.41
161+10	65.65	64.98	65.31

GD. BREAK

¢

125+0 62.57

125+50 60.99

126+0 59.78

127+0 56.87

128+0 54.97

129+0 56.04

130+0 56.55

131+0 58.62

132+0 61.50

133+0 63.34

134+0 63.75

135+0 62.73

136+0 60.07

137+0

138+0

→ top of First Course of
stone.

→ Sat. Id.

① 57.64

Sub-Gd. Check

	check	Sub Gd. El.	Cut	Fill
150+0	69.20	68.73	.47	
149+0	67.17	67.17	0	0
148+10	65.90	65.61	.29	
147+44		64.33	X	X
147+0	62.97	62.83	.14	
146+0	58.37	58.83		46
145+0	54.91	54.83	.08	
144+4	52.72	52.67	.05	
143+88	51.51	50.43	1.08	
143+50	49.66	49.33	.33	
142+0	49.24	48.83	.41	
141+0	50.52	48.83	1.69	
140+0	50.98	48.83	2.15	
139+0	51.57	50.33	1.24	
138+0	54.35	53.33	1.02	
137+0	57.46	56.33	1.13	
136+0	60.31	59.33	.98	
135+0	62.93	62.33	.60	
134+0	63.90	63.96	.06	
133+0	63.29	62.80	.49	

68.31

59.20

55.33

69.20

68.73

.47

97

83

14

83

37

46

B.M.

N. end W. rail

of bridge Sta 143+0

El. 52.19

51.51

50.43

1.08

50.52

48.83

169

49.24

48.83

41

60.31

59.33

.98

51.57

50.33

1.24

63.90

63.96

.06

50.98

48.83

2.15

Hallett Rd.

Start²

- 5+60 18' x 12" + L Hdwells.
 6+74 18' x 12" + L Hdwells.
 17+89 5' x 3' Box 30' Long.
 20+0 18' x 12" + L Hdwells.
 25+60 30' x 15"

Hdwells. B⁵

FERRER Rd.

- 32+63 18' x 12" L Hdwells.
 34+63
 34+63
 36+27 28' x 12" - L Hdwells.
 45+83 BR. EXT. SEE PLANT.
 50+22 74' x 15" + ~~2~~ Hdwells. 2-B⁶
 54+50 30' x 15" - Hdwells. B⁹
 58+68 18' x 12" - L Hdwells.
 62+40 30' x 24" - B¹² Hdwells.
 65+0 24' x 12" - L Hdwells.
 67+06 18' x 12" - L Hdwells.
 71+42 24' x 12" - L Hdwells.
 80+12 18' x 12" - L Hdwells.
 82+0 30' x 12" - A. Hdwells.
 85+03 18' x 12" - L Hdwells.
 90+0 30' x 12" - A. Hdwells.

91+12 18' x 12" - L Hd walls. E side
90+09 W side
91+12 18' x 12" - L Hd walls.
99+90 18' x 12" ARMO - L Hd walls
182' x 12" DR. TILE

104+58 18' x 12" - L Hd wall.
106+70 96' 15" - L Hd wall
113+65 30' x 12" - A Hd wall.
114+32 18' x 12" - L Hd walls.
121+15 24' x 12" - L Hd walls
127+54 SEE PLAN
129+81 30' x 24" - B¹² Hd walls
132+25 18' x 12" - L Hd wall.
139+0 18' x 12" - L Hd wall
143+0 SEE PLAN.
400' GUARD RAIL
147+83 30' x 12" - B A Hd walls.
154+0 30' x 12" - A Hd walls.
2 STD. BASINS

06
15
91

99+90

200

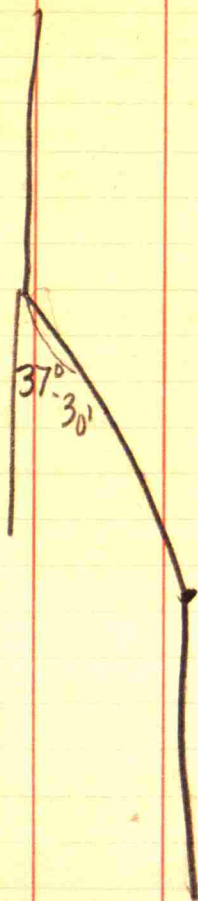
Moffett BRIDGE

8' RISE

16' SPAN.

18' Rd. WAY

7-6" I BEAMS



$$D = 75^{\circ}$$

$$L = \frac{100 \times 2 \times 37.5}{75} = 100$$

$$\frac{37^{\circ} 30'}{4} = 9^{\circ} 22\frac{1}{2}'$$

55.28 Top 7 inches Post
54.28 Top of slab.

57.18 BM

$$\begin{array}{r} 141+50 \\ 140+32.8 \\ \hline \end{array}$$

$$1+17.2$$

$$\begin{array}{r} 86.04 \\ 67 \\ \hline \end{array}$$

$$\begin{array}{r} 85.37 \\ \hline \end{array}$$

$$\begin{array}{r} 8658 \\ 67 \\ \hline 91 \end{array}$$

$$\begin{array}{r} 8712 \\ 67 \\ \hline 8645 \end{array}$$

$$\begin{array}{r} 141+0 \\ 140+32.8 \\ \hline 67.2 \end{array}$$

$$\begin{array}{r} 8745 \\ 67 \\ \hline 8678 \end{array}$$