

LETTER

← M →

SPANGLER  
DRAIN

157

LIBRARY  
DRY SEAL BOOK

363 A

2

## STR WitchBot

83	97.60	100.04
84	98.00	99.64
85	97.30	98.94
		95.53
86	99.80	99.26
		95.50
87	99.85	95.40
88	97.75	99.14
89	98.10	99.50
90	98.70	99.13
		96.02
91	98.05	99.55
92	97.55	99.30
		95.45
93	97.85	99.60
		95.24
94	97.85	99.43
95	98.15	99.03
96		
97		
98		
99		99399587
100		
101		
102		
103		
104		
105		
106		
107		

3

## Lori Russ

100.04	.98.00
97.60	99.64
<u>2.44</u>	<u>48.00</u>
	1.64
0100.09	
0100.86	98.84
<u>9730</u>	
	1.64
0325	9924
<u>0265</u>	<u>9720</u>
	1.44
60	
9930	95.45
100.15	
95.24	
<u>491</u>	

Sto:	Stn	digit
108	9825	99.98
109	9830	99.81
110	9855	99.96
111	<b>9870</b>	100.15
112	9840	99.80
113	9900	100.88
114	9910	100.35
115	9860	100.03
116	9830	99.67
117	9845	99.84
118	9855	99.94
119	9760	98.98
120	9785	99.00
121	9820	99.93
122	9900	100.40
123	9850	99.80
124	9840	99.63
125	9790	99.14
126	9775	98.97
127	9740	98.67
128	9785	99.15
129	9805	99.29
130	9850	99.81
131	9725	99.13
132	9815	99.40
133	9735	98.68
134		

010046

0100.66

09893

103.15Bm check

P.M. 96.15 Ed of Scwing.

L 6

Stk Ditch Bot.

97909964

135

136

137

138

139

140

Stk. Ditch  
Bot.

22

225

9390 9390 88.45

227

228

229

9490 9463 88.31

8871

230

9440 9400 87.70

8780

231

8710

232

9465 9463 87.60

91

233

9410 9415 88.03

234

9345 9345 87.94

235

9295 9298

8770

236

9285 9290 87.91

P 7

10403

102.24

	<sup>8</sup>	<sup>W</sup>	<sup>8</sup>
9840		7388	7392
98450		7410	7395
9940	✓	7394	7414
99450	✓	7411	7406
10040	✓	7407	7409
100450	✓	7421	7398
10140	✓	7376	7386
101450	✓	7360	7376
10240	✓	7379	7375
102450	✓	7375	7385
10340	✓	7400	7390
103450	✓	7455	7464
10440	✓	7519	7530
104450	✓	7611	7613
10540	✓	7690	7717
105450	✓	7805	7811
10640	✓	7889	7905
106450	✓	7995	8008
10740	✓	8086	8104
107450	✓	8172	8186
10840	✓	8287	8290
108450	✓	8428	8395
10940	✓	8544	8522
109450	✓	8651	8657
11040			8640
110450			

086.50

07625

Brown Rd

10

W

E

59+0  
 58+50  
 38  
 57+50  
 57  
 56+50  
 56  
 55+50  
 55  
 54+50  
 54  
 53+50  
 53  
 52+50  
 52  
 51+50  
 51  
 50+50  
 50  
 49+50  
 49  
 48+50  
 48  
 47+50  
 47  
 46+50

4170 4221 4178  
 4211 4233 4214  
 L 4242 4266 4270  
 L 4288 4280 4322  
 L 4292 4326 4367  
 L 4386 4418 4394  
 L 4478 4482 4484  
 L 4578 4564 4528  
 ✓ 4645 4667 4645  
 L 4711 4755 4745  
 L 4830 4870 4856  
 L 4966 4980 4967  
 L 5049 5092 5093  
 L 5195 5254 5218  
 - 5274 5385 5341  
 - 5494 5528 5533  
 L 5643 5678 5667  
 ✓ 5801 5831 5803  
 5952 5979 5939  
 6082 6104 6071  
 6178 6210 6193  
 6344 6354 6335  
 6454 6493 6480  
 6690 6711 6715  
 6756 6823 6805  
 6851 6888 6896

11

34829

056.60

065.48

12

	W	Q
460	6879	6934 6954
45+50	6869	6934 6914
450	6880	6914 6868
44+50	6849	6867 6848
44	6851	6862 6790
43+50	6778	6809 6750
430	6745	6750 6741
42+50	6639	6675 6626
42	6565	6574 6526
41+50	6566	6570 6599
41	6627	6624 6693
40+50	6535	6572 6557
4010	6612	6661 6662
39+50	6770	6836 6838
39+0	6958	6941 7028
38+50	7213	7187 7206
38	7356	7346 7341
37+50	7542	7538 7556
3710	7720	7745 7763
36+50	7945	7965 7952
36	8095	8124 8176
35+50	8258	8323 8289
35	8415	8444 8415
34+50	8488	8519 8522
3410	8515	8571 8477
33+50	8581	8600 8541

13

Brown Rd

~~6768 01K~~

07493

08514

14

W

E

3240

8611 8643 8601

32450

8637 8691 8643

3240

8722 8757 8676

3140

8782 8820 8725

1040

109450

10940

108450

10840

107

15

L 18

Sta	Subgrade	Neg <sup>ve</sup>	Hd	Total	Weight	Stake
116+30	94.75	93.30	94.32	94.30	94.80	
+50	94.25	93.00	93.99	94.00	94.50	✓
+70	93.25	92.75	93.64	93.70	94.20	✓
+90	92.25	92.50	93.41	93.40	93.90	✓✓
117+10	91.25	91.50	93.17	93.10	93.60	✓✓
+30	90.25	90.50	93.35	92.80	93.30	✓✓
+50	89.25	89.50	93.15	92.50	93.00	✓✓
+70	88.25	87.50	92.30	92.75	92.70	✓✓
+90	87.25	87.50	90.28	90.50	90.50	
118+10	86.25	86.50	87.97	88.80	88.80	✓
118+30	85.25	85.50	85.30	87.00	87.10	✓✓

## Richardson Road

L 19

El 119+00 = 81.75  
Subgrade

BW. El - 81.68  
 on Nedge end  
E Hdwall of Culvert  
 Sta 119+26

87.10  
 87.10  
 87.10  
 87.10

92.70  
 77.10  
 77.10  
 77.10

77.10  
 77.10  
 77.10  
 77.10

77.10  
 77.10  
 77.10  
 77.10

20

$\begin{matrix} & & 0 \\ & & \checkmark \\ 0 & + & 8 \\ \checkmark & + & 9 \\ \hline 1 & 7 & 0 \end{matrix}$

73109340 7310 72809150

21

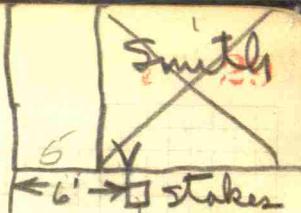
28

Stakes on W side are  
1'-0" W of Wedge walk and  
stakes on E. side are 1'-0"  
E of E edge walk.

Sta	on wedge	on Rd	on wedge	on Rd
0+00	100.00	99.83	99.78	
0+30	100.49	100.42	99.95	
1+00	101.25	100.83	100.63	
1+50	101.47	100.91	101.08	
2+00	101.70	101.15	101.38	
2+50	101.55	101.00	101.63	
2+90 <sup>W</sup>	101.68	101.02	102.04	
2+90 <sup>E</sup>	103.41	102.95	102.04	
3+50	103.30	102.91	102.61	
4+00	103.43	103.17	102.87	
4+50	103.12	102.63	102.88	
5+00	103.31	102.77	102.95	
5+03	103.21	102.68	102.96	
5+50	103.72	103.04	102.83	
5+59	103.68	103.26	103.20	

103.205 rail Smith  
at center crossing

Mill St.

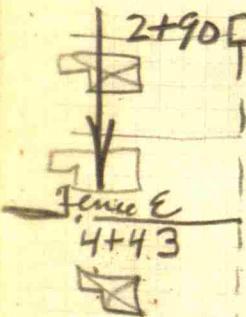


30' Curb ↑

90° ↗

2+90 □ - 43' ↓ &gt; □ 2+90

31' Curb



5+03 □

Def L 1°-30  
15' Curb

Def R

~~Line 10~~ Main

Willow L Fence E of Bridge 0+50  
 Bridge C Side 0+56  
 Bridge W Side 0+74  
 Evans 2 L Fence on E Side 0+75  
 Fence N+S Sta 4+43  
 Evans 2 L Fence E+N S to 22+55  
 Reeds R Fence E+N Sta. 22+91  
 Fence S+N Sta 36+57  
 Fence E+N Sta 39+22  
Fence  
 Arm running south 6.9162  
 Fence N+S 79+28  
 Header at end of ditch  
 79160

~~69+62~~  
~~64+22~~  
 5+40

~~79+30~~  
~~69+62~~  
 9+68

Arm. No 1.

End of Arm + Fence N+S  
 19+55

E	Runnell Rd.	W	W.O.	BM
Sta.	\$		41.52	10.00 on sw. about 4
39440 X	10.22	10.32	10.16	0 77.85
37400 X	14.25	13.48	12.76	12.15
38+60X 2.75	14.25	13.48	11.34	12.15
38+60X 2.75	19.15	17.81	17.53	17.85
38+55X 6.40	23.30	20.24	19.12	19.15
38+42X 5.70	24.40	23.71	25.87	22.12
38+0X 32.10	27.55	25.51	24.90	25.25
37+50X 31.15	28.46	26.60	26.70	26.80
3740 X	32.80	29.00	29.10	30.30
36+50 X	38.93	34.45	33.84	35.33
36+0 X	41.80	40.38	39.00	40.35
35+50 X	46.64	43.67	42.31	44.61
35+0 X	50.21	46.92	46.68	47.96
34+50 X	56.20	52.19	51.78	53.21
34+0 X	60.05	57.25	56.11	57.50
33+40 X	63.00	59.25	58.41	60.00
33+0 X 61.75	59.02	57.85	57.15	57.60
32+50X 59.50	56.71	55.82	55.38	56.80
32+0 X 59.00	54.68	55.00	54.40	53.85
32+50X 59.05	54.68	55.00	54.40	53.85
31+50X 52.85	50.50	52.25	52.18	52.23
31+0X 57.00	47.60	49.70	49.50	49.45
30+50X 52.90	45.50	47.70	47.87	48.30
30+0X 46.80	44.00	47.18	47.05	46.60

33

E

E

E

W

55.73

L 35

29+50	42.00	4580	4658	41560	4250
29+0	41.80	4600	4738	4545	4400
28+50	54.60	4760	4789	4701	44.50
28+0	42.00	4870	4859	4770	4575
27+50	55.20	4974	5100	5080	4708
27+0	46.38	4805	5220	5316	4815
26+70	5300	5400	5510	5525	
26+45	6430	6320	5503	5610	
26+0	64.10	5685	5820	5840	

36

CUT SHEET.  
RUSSELL Rd.

Sta.	NEW Gd.	EL. Gd.	STR	CUT FILL.
39+0	12.00	1560		3'-7 $\frac{1}{2}$ "
38+50	1591	2687		10'-11 $\frac{1}{2}$ "
38+0	1982	3050		10'-8 $\frac{1}{2}$ "
37+50	2373	3358		9'-10"
737+0	2764	3589		8'-3"
36+50	3155	3935		7'-10"
36+0	3546	4422		8'-9"
35+50	3937	4928		10'-6"
35+0	4328	5083		7'-7"
34+50	471956	67		9'-6"
34+0	5110	6015		9'-0 $\frac{1}{2}$ "
33+50	5421	6118		6'-11 $\frac{1}{2}$ "
33+0	5573	5981		4'-1"
32+50	5583	5757		1'-9"
32+0	5440	5473		0'-4"
31+50	5315	5212		1'-0 $\frac{1}{2}$ "
31+0	5190	5007		1'-10"
30+50	5065	4827		2'-5"
30+0	4940	4748		1'-11 $\frac{1}{2}$ "
29+50	4852	4615		2'-4 $\frac{1}{2}$ "
29+0	4840	4654		1'-10 $\frac{1}{2}$ "
28+50	4902	4783		1'-2 $\frac{1}{2}$ "
28+0	5040	4903		1'-4 $\frac{1}{2}$ "
27+50	5215	5142		0'-9"
27+0	5390	5443	0'-6 $\frac{1}{2}$ "	

37  
01948

029.03

03809

04880

06015

05213

40

## Russell Rd

	B.M.	East	W. Edgednut
	R.	Ground. one	W.
39+0	12.75	10.70 <sup>22</sup>	10.04 <sup>24</sup>
38+50	17.82	19.08 <sup>18</sup>	19.63 <sup>18</sup>
39+0	21.83	23.20 <sup>20</sup>	23.96 <sup>20</sup>
39+50	26.77	29.22 <sup>24</sup>	35.46 <sup>24</sup>
37+0	29.00	34.15 <sup>22</sup>	38.26 <sup>22</sup>
36+50	30.60	39.53 <sup>20</sup>	40.80 <sup>20</sup>
36+0	4203	4480 <sup>18</sup>	4875 <sup>25</sup>
35+50	4533	4815 <sup>19</sup>	5195 <sup>25</sup>
35+0	4922	5162 <sup>26</sup>	5566 <sup>26</sup>
34+50	5474	5602 <sup>19</sup>	5970 <sup>25</sup>
34+0	5754	5901 <sup>15</sup>	6352 <sup>22</sup>
33+50	5972	6101 <sup>18</sup>	6390 <sup>20</sup>
33+0	5967	6994 <sup>15</sup>	6238 <sup>20</sup>
32+50	5880	5865 <sup>10</sup>	6178 <sup>22</sup>
32+0	5759	5780 <sup>10</sup>	6092 <sup>22</sup>
31+50	5571	5640 <sup>17</sup>	6045 <sup>20</sup>
31+0	5413	5441 <sup>19</sup>	5721 <sup>26</sup>
30+50	5790	5990 <sup>20</sup>	5267 <sup>25</sup>
30+0	5042	4980 <sup>9</sup>	5344 <sup>26</sup>
29+50	4993	4847 <sup>10</sup>	4537 <sup>22</sup>
29+0	5032	4911 <sup>17</sup>	5057 <sup>24</sup>
28+50	5134	5210 <sup>17</sup>	5570 <sup>23</sup>
28+0	5220	5178 <sup>16</sup>	4680 <sup>19</sup>

April 13-1928

41

03.035

045.21

5627

5365

17.17

28.38

4766<sup>27</sup>  
ad. at 5000

L 42

B

E

C  
27°C  
27°  
27°E  
27°

N

W

27450	5458	<del>5277</del> <sup>17</sup>	5258 <sup>27</sup>	5368 <sup>27</sup>	546 <sup>27</sup>	516 <sup>27</sup>
2740	6703	0677 <sup>27</sup>	5254 <sup>14</sup>	0736 <sup>27</sup>	5785 <sup>27</sup>	5318 <sup>27</sup>
26450	5890			6125 <sup>36</sup>	0943 <sup>30W</sup>	5744 <sup>32W</sup> 5980 <sup>34W</sup>
2640	6230	6094 <sup>50W</sup>	6193 <sup>37W</sup>	6375 <sup>22</sup>	6247 <sup>37W</sup>	6173 <sup>36W</sup> 6036 <sup>32W</sup> 6430 <sup>36W</sup>

43

5468

24

L 44

	C	E	E	South W	N
	3 6750	3 382	3 725	4 002	4 076
3 670	3 908	4 274	4 575	4 514	4 268
3 0750	4 229	4 601	4 895	4 895	4 820
3 670	4 624	4 895	5 100	6 265	4 934
3 4750	5 168	5 286	5 570	6 665	5 286
3 4+0	5 455	5 645	6 062	6 004	5 629
3 3+50	5 896	5 800	6 045	5 883	6 001
3 3+0	5 834	5 700	5 855	5 935	5 740
3 2+50	5 575	5 595	5 789	5 872	5 586
3 2+0	5 454	5 452	5 746	6 827	5 320
3 1+50	5 269	5 351	5 461	5 549	5 148
3 1+0	5 026	5 46	5 570	6 613	4 930
3 0+50	4 820	4 790	4 953	5 098	4 805
3 0+0	4 792	4 850	4 830	4 742	4 820
2 9+50	4 689	4 568	4 244	4 808	4 711
2 9+0	4 68	4 045	4 673	4 757	4 186
2 8+50	4 823	4 917	5 245	5 716	4 620
2 8+0	4 915	4 872	4 572	4 569	4 331
2 7+50	5 124	5 070	5 261	5 344	4 900
2 7+0	5 400	4 827	14	5 411	4 611
2 6+50	5 536	5 837	5 638	5 338	5 011
2 6+0	5 931	6 275	5 854	5 814	6 007

L 45

3752

49.35

58.62

42

60.04

58.02

51.34

48

S.M. Hendricks Drive.

edge Pav't	R
0+00	12.89
0+10	13.37
0+20	13.70
0+30	14.56
0+40	15.70
0+50	17.15
0+60	18.28
0+70	19.42
0+80	20.44
0+90	21.58
1+0	22.70
1+10	23.85
1+20	25.15
1+30	26.70
1+40	28.47
1+50	29.85
1+60	31.32
1+70	32.82
1+80	34.10
1+90	35.71
2+0	37.01
2+10	38.41
2+20	39.72
2+30	40.73

49

B.M. on top of wood corner  
Post 50' E of 0+20. El. 10.00

○ 18.30  
○ 27.87  
○ 37.87

50

	\$
2+40	41.47
2+50	42.12
2+60	42.81
2+70	43.49
2+80	43.68
2+90	44.02
3+0	43.89
3+10	43.95
3+20	44.09
3+30	44.11
3+40	44.02
Cone. floor	

51

B.M. on concrete wall  
next to house - West side of  
Garage door - EL. 45.91

## ROSEWOOD DRAIN

BOTTOM WIDTH

0+0	-77+34	3'
77+34	-127+43	4'
127+43	-186+79	5'
186+79	-243+0	6'
243+0	267+30	8'
267+30	307+63	10'
307+63	360+53	12'
<u>360+53</u>	<u>437+0</u>	<u>14'</u>

STA.	TOP-W	CHECK TOP-W	CHECK BOT-W	ELEV.	CHECK ELEV.
0+00	14 1/2'	15'		100.25	
3+0	17 1/2'	15'		99.53	
6+0	17'	18 1/4'		98.81	
9+0	16 1/2'	18		98.09	
12+0	18 1/2'	17 1/2'		97.37	
15+0	17 1/2'	16		96.65	
18+0	18 1/2'	20		95.93	
21+0	16	16		95.21	
24+0	16	15		94.49	
27+0	15	16		93.77	
30+0	17	15		93.05	
33+0	16	15 1/2'		92.33	
36+0	15	17 1/2'		91.61	
39+0	14	14		90.89	
42+0	15?	14		90.17	

Def. -

8+42-R  
 5+29-R  
 12+11-R  
 15+22-L  
 18+84-R  
 25+48-L  
 28+90-L  
 33+10-L  
 36+0-R  
 42+77-L  
 44+20-L  
 46+14-L  
 47+53-L  
 50+12-R  
 52+38-L  
 53+67-R  
 59+35-L  
 66+29-L  
 69+45-R  
 77+34-R  
 82+22-R  
 83+34-R  
 86+01-R  
 88+20-R  
 89+40-R  
 92+64-L  
 95+0-L  
 96+22-R  
 99+0-R  
 103+40-L  
 106+48-R  
 108+68-R  
 116+34-L  
 117+65-L  
 120+99-R  
 121+57-R  
 122+72-L  
 124+09-R  
 125+12-L  
 127+43-R  
 128+76-R  
 131+14-R  
 132+32-L  
 134+45-R  
 136+13-R  
 137+94-L  
 139+04-R  
 140+08-L  
 141+56-L  
 142+80-R

56

STA	TOP WIDTH	CHECK TOP WIDTH	CHECK BOT. WIDTH	E
A5+0	15			89.53
48+0	14			89.05
51+0	14½			88.57
54+0	13½			88.09
57+0	14¼			87.61
60+0	15'			87.73
63+0	15			86.65
66+0	15½?			86.17
69+0	15			85.69
71+0	14¾			85.37
74+0	13			84.89
77+34	18			84.35
80+0	19			84.11
82+22	18			83.84
83+34	21½			83.78
86+01	22?			83.51
88+20	21			83.29
89+40	23?			83.14
92+64	23?			82.82
95+0	24?			82.58
96+22	22?			82.46
99+0	14?			82.18
101+0	18?			81.98
103+40	18			81.74
106+48	20			81.44

CHECK  
ELEV.

— DEF. —

144+87 - R  
 147+25 - L  
 148+51 - R  
 152+26 - R  
 155+02 - L  
 158+18 - L  
 160+51 - R  
 163+03 - L  
 165+01 - R  
 166+51 - L  
 169+08 - L  
 170+86 - R  
 173+53 - L  
 178+40 - L  
 180+51 - L  
 182+55 - R  
 185+96 - R  
 186+79 - R  
 191+43 - R  
 194+18 - L  
 197+60 - R  
 199+11 - L  
 202+83 - R  
 204+15 - R  
 209+78 - R  
 210+83 - R

215+99 - L  
 224+63 - R  
 227+45 - L

57

Sta 120+41 cove  
in on both banks  
Bad condition

119+25 cove in  
on N. bank.  
Washing on S. bank

115+34 - did not  
leave lower end (W)  
of cut-off open

113+0 - did not  
leave lower end  
of cut off open (E)

109+75 Cove in  
west bank -

**58** Sta Top Check  
width width Top width  
108+68 25 1/2? 22  
110+0 21 18  
114+0 20 1/2 19  
-116+34 20 1/2? 20  
✓117+65 22 1/2? 18 1/2  
-120+99 23? 16  
-121+57 20 1/2 16  
122+72 21 19  
124+09 20 15  
125+12 21 20  
127+43 22 20  
128+76 15  
131+14 22  
WALL TO BK.  
132+32 21  
134+45 21 1/2  
136+13 24? 22  
137+94 21 1/2 22  
139+04 22 18  
140+08 20 19  
141+56 20 1/2 22  
142+80 22 20  
144+87 21? 21  
147+25 23 25  
148+51 21? 26  
152+26 24 20

Sta	Check	E	check
	width	width	Width
	81.22	81.09	80.69
	80.46	80.33	80.00
	79.97	79.82	79.69
	79.59	79.36	79.23
	79.35	78.99	78.84
	79.25	79.00	79.00
	78.63	78.45	78.45
	79.20	79.20	78.25
	78.68	78.68	78.12
	79.03	79.02	78.02
	79.02	78.86	77.72
	78.85	78.85	77.49
	79.00	78.50	78.50
	78.80	77.09	77.23
	77.95	76.68	77.95

136+13 13445 13445 13904 12098  
13445 32 32 13794 13794 13041 59  
168 110 14280 14280 14186  
110 14008 13904 14008 13904 134  
13794 13613 14280 14280 14280  
13613 409 12272 14725 134  
161 12272 14725 371 4487 238  
14156 14058 14156 14156  
14058 14851 14851  
14851 375 375  
EI 91.03  
Send Email BM 131+65  
12730 12730  
12730 12730  
5226 4851 4851  
4851 375 375  
90.86 90.86  
T O P SW wing - at end nail  
EI 91.67 12272 14851 14851  
12272 157 14725 14725  
14725 126 126  
12272 157 14725 14725  
14725 126 126  
14725 126 126  
126 126  
126 126  
O 86.52 O 86.52  
O 86.52 O 86.52  
O 86.52 O 86.52

Sta 143+80 cave in on E. bank  
about 6' into ditch - Water 4' wide

Sta 149+50 to 156+00 cave in  
on both sides - Bad shape

Sta 152+26 cave in on East  
bank - Sta 152+20 cave in on  
West bank

Sta 134+75 cave in on West bank for 60'  
Bad -



62

Sta	Top Wdth	Check Top	Check Bot	E	check
				El.	El.
210+83	23	25		70.23	72.00
213+07	17	?	25	69.98	71.06
215+99	Bulge			69.64	70.55
219+0	21	23		69.31	70.50
222+0	21	22		68.98	70.15
224+63	18 $\frac{1}{2}$ ?	22		68.69	69.90
227+45	25			68.38	68.80
231+0					



63

BM El. 80.78 - Top SW  
Wing at end - of rail

Cave-in at Sta 225+0 on West  
bank.

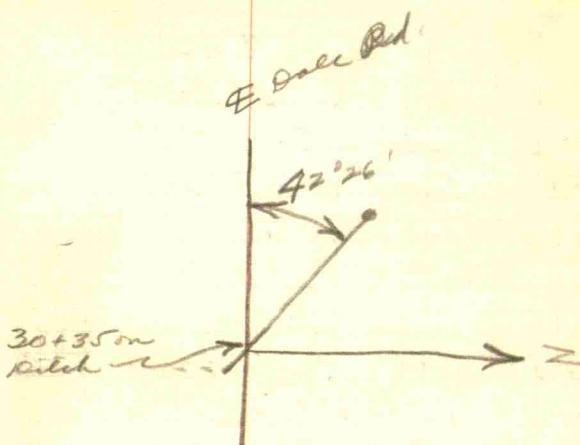
① 80.80

Loc 68

## Spangler Driv

- 0+0 Intervista with French Rd.
- 2+86 Def L  $3^{\circ}31'$
- 5+0 Cross Sec.
- 7+39 Def R.  $45^{\circ}00'$
- 10+15 Def L  $23^{\circ}31'$
- 13+15 Cross Sec.
- 14+60 Def R.  $15^{\circ}29'$
- 16+60 Def L  $15^{\circ}50'$
- 19+0 Cross Sec.
- 22+0 " "
- 25+0 " "
- 27+85 Def L  $48^{\circ}28'$
- 30+35 E E + W Road - Dale Rd.  
5th lime intersects Dale  
Rd at 72+62 on Dale Rd.
- 31+0 Cross Sec.
- 33+0 " "
- 33+80 Def R  $45^{\circ}53'$
- 35+0 Cross Sec.
- 37+80 Def R  $1^{\circ}31'$
- 40+0 Cross Sec.
- 42+0 " "
- 44+78 Spangler N. line Cross Sec.
- 46+0 Cross Sec.

Loc 69



37+75 - E + W Fence

L 70

- 48+43 Dif L  $49^{\circ}02'$   
49+79 Dif R  $25^{\circ}54'$   
52+25 Dif R  $18^{\circ}00'$   
54+0 Dif. R  $9^{\circ}29'$   
56+0 Cross Sec.  
58+0 " "  
60+0 " "  
61+93 Dif. R.  $31^{\circ}22'$   
62+03 N old State Rd.  
63+37 is N. R. of W. line T.H. 1 & E  
63+35 5th 15' W. of ~~N.~~ N. end  
of 24" V. tiles under frostion.  
63+53 N. nail of T.H. 1 & E frost  
63+80 So. End of 24" V. tile under  
frostion.  
64+0 N. end of 22" Cast iron  
Pipe under R.R.  
64+13 N. nail of R.R. Frost  
64+31 So. End 22" Pipe under R.R.  
64+52 N. End of 12" or tile under  
State Rd.  
64+60 is N. end 24" R.C. under  
State Rd - End of Improvement

R 71

- 52+90  
8" tile from  
Kibbey  
15' E the old ditch  
tile is 25' E of  
old ditch.

LEADER

L 72

Top  
30' at side

		Top 30'	Gal at side	
0+0	level	48.00	47.45	4735.15
2+86	"	48.58	48.12	4758 4470
5+70	"	49.42	48.82	4882 4550
7+39	"	50.49	49.74	49.01-5 4751
11+15	"	53.00	53.10	52.20-6 5141
14+60	"	55.06	54.43	52.12 5086
16+60	"	56.20	55.60	55.35-5 51.85
19+0	"	57.25	56.82	5716 5420
22+0	"	58.81	59.18	5782 5370
25+0	"	60.32	59.60	5862 5495
27+85	45120 End B&H	60.65	60.00	6022
29+0				E - 61.78
31+0		62.52	61.87	6125 5780
33+0		63.55	62.72	63.64 6221
33+80		64.69	63.93	6393 6396
35+0	61.66 <sup>2</sup>	60.89	61+	5846 5665
37+80	6141 <sup>5</sup>	62.46	6200-3	5990 5750
40+0	6043 <sup>3</sup>	61.56	61.02	5924 5767
42+0		61.76	Level	→ 6125 5943
44+75		6132	6043	6008 5825
10+15		51.00	50.55	4939 4740

5189  
542  
5185 5169  
5169  
5169  
5169

51.18

E

		30' short	30' short	
		4200 <sup>2</sup>	4140 <sup>27</sup>	4680 4768
		4422 <sup>14</sup>	4438 <sup>16</sup>	4638 <sup>20</sup> 4820
		4532 <sup>16</sup>	4555 <sup>19</sup>	4882 level
		4570 <sup>14</sup>	4632 <sup>16</sup>	4852
		4928 <sup>14</sup>	4950 <sup>15</sup>	5056 <sup>18</sup> 5314 <sup>21</sup>
		5051 <sup>14</sup>	5076 <sup>16</sup>	5315 <sup>18</sup> 5430 <sup>23</sup>
		5212 <sup>10</sup>	5380 <sup>15</sup>	56.76 <sup>32</sup>
		5250 <sup>13</sup>	52.45 <sup>16</sup>	5722 <sup>25</sup> 5672 <sup>28</sup>
		5340 <sup>25</sup>	5792 <sup>32</sup>	5853 <sup>35</sup>
		5438 <sup>9</sup>	5641 <sup>10</sup>	5981 <sup>18</sup> 6021 <sup>25</sup>
		4662 <sup>15</sup>	4732 <sup>17</sup>	4782 <sup>18</sup> 4860 <sup>20</sup> 5085 <sup>24</sup>

73

B.M.  
Sta 30+  
on W.  
end of  
NW Wing  
D. Cen.  
bridge  
EL. 62.30

74

## Top Soil Grd.

46+0  
 48+43  
 49+79  
 52+25  
 54+0  
 56+0  
 58+0  
 60+0  
 61+93  
 62+03  
 62+11  
 63+35  
 63+80  
 64+0  
 64+31  
 64+60  
 71+11  
 64+52

6223 6145 6039 5852 5885<sup>13</sup> 6035<sup>15</sup> 6180<sup>19</sup> 61.90<sup>25</sup>  
 6353 6272 6312<sup>9</sup> 5932 5938<sup>17</sup> 6076<sup>19</sup> 6352<sup>25</sup> 6310<sup>31</sup>  
 6467 6390 6335<sup>5</sup> 5955<sup>17</sup> 5952<sup>15</sup> ~~5952~~<sup>15</sup> 6312<sup>18</sup> 6415<sup>23</sup>  
 6500 6421 6430 6110<sup>17</sup> 5990<sup>13</sup> 6070<sup>16</sup> 6162<sup>17</sup> 64.25<sup>24</sup>  
 6370 6280 6225<sup>10</sup> 6003 6040<sup>15</sup> 6150<sup>16</sup> 6276<sup>21</sup> 6256<sup>26</sup>  
 6345 6283  
 6344 6290 60' E. to ditch  
 6408 6355 80' E. " "  
 6618 6556 6399  
 6594  
 60.72 6380  
 64.75 6475 FL. 24' below  
 60.70  
 end  
 end  
 60.70  
 FL. Culvert T.H. 1.8 E 60.70  
 60.85 FL. N. end  
 of R.R. Culvert  
 61.40  
 A. End 68.83  
 N. end Fl. R.C. Pipe 63.86

6238 Top of 12" rise  
 So. rail T.H. 1.8 E - 70.55  
 S. rail of  
 R.R. track 72.06

61.38  
 42.938  
 21.938

70.21

75

B.M. 67.49  
 on W. end of  
 N. end of  
 State Rd. Culvert  
 64+60

L-178

Stone Cen. Sec. 29,  
Twp 17, N R 1E

Cor post S 45° W 22',  
Cor post E - 16.5'

L-179

#4 Cor. Stone

telephone pole N 30° W 58'

#5

Cor stone

Gas true N 45° W 33.5'  
5M Cor house N 60° W 76'

80

Beg. at Pittsboro; thence N & E  
to the Cen. 29-17-1E

WATERS ROAD W81

— 0<sup>ft</sup> — 0<sup>ft</sup>

17'  $\phi + 20'$   
~~20' 1<sup>ft</sup> = 0'~~

— +21 —  
~~+81~~  $\phi$

17'  $\phi + 88'$

$\phi + 75$

3<sup>ft</sup>  $\phi + 00$

— +12 — — — — +12 — — — —

109°31'  
+91 — +91

— +52 — — — —

+91

$\phi + 89$

$\phi + 93$

12<sup>ft</sup>  $- 22'$

+126<sup>ft</sup>  
120<sup>ft</sup>  
+41<sup>ft</sup>

+96<sup>ft</sup> 540

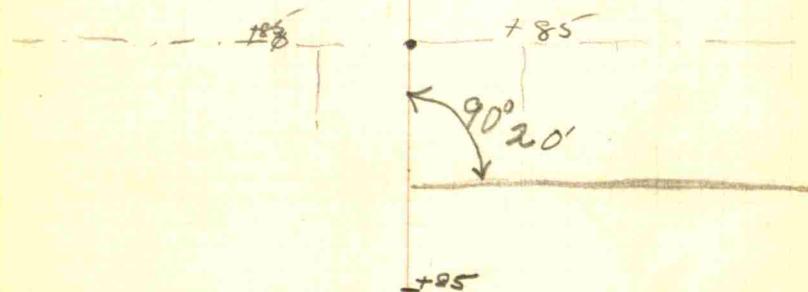
L 82

83

570

+49 ♂

- +51



+17 83 13'

□ +52 100'  
+71 83 13'

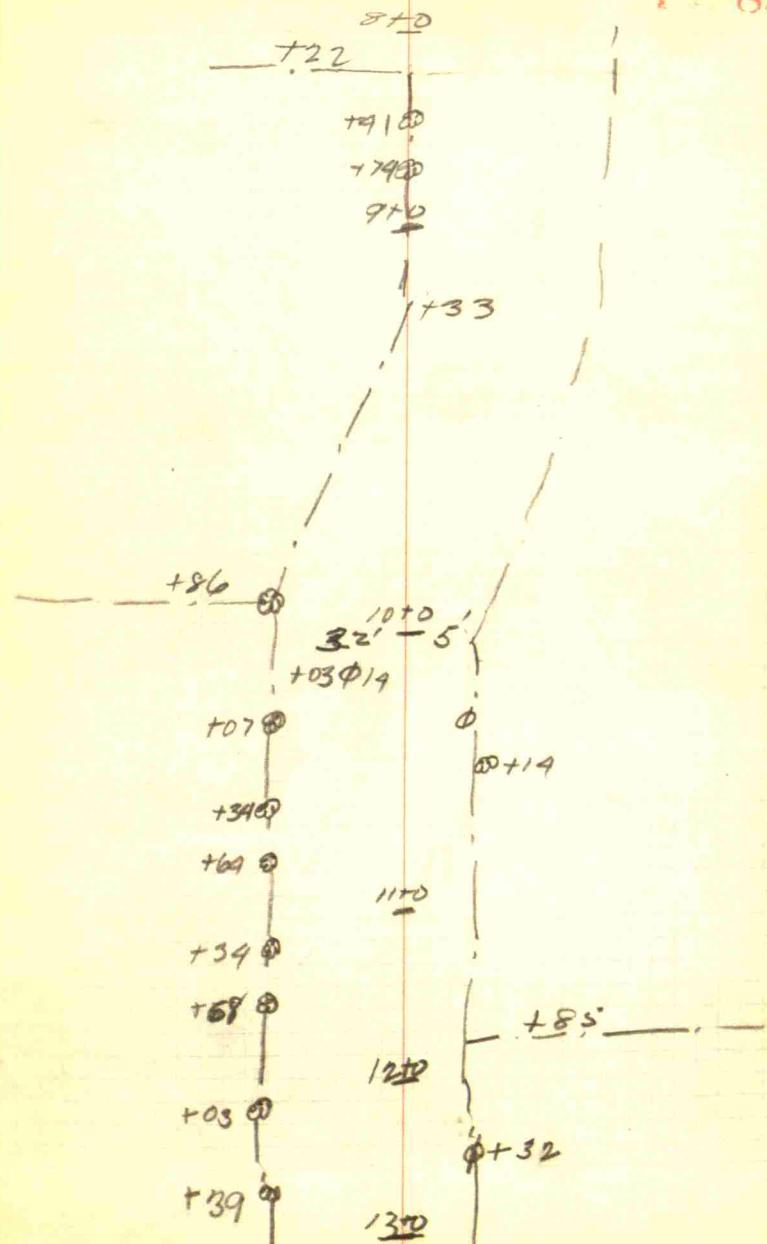
+71 83

- +02 ————— 740  
13  
108.0  
+17. ————— @ +14 7'  
229 —————

+33

+40 91  
+41 0  
+19 0  
+77 4  
+86 0  
+40 0  
8 33

84



+05 ♂ 34' 15" 2'  
 +39 ♂  
 +74 ♂ 1940  
 +99 ♂  
 +81 ♂ 1540 ♂ +99  
 +13 ♂  
+57 56+ ♂ 1040  
 +70 -  
 +36 ♂  
 +69 ♂ 1720 ♂ +97  
 +69 ♂  
 +10 ♂ 1940 ♂ +59  
 +35 ♂  
 +68 ♂ 2040  
 +100 ♂

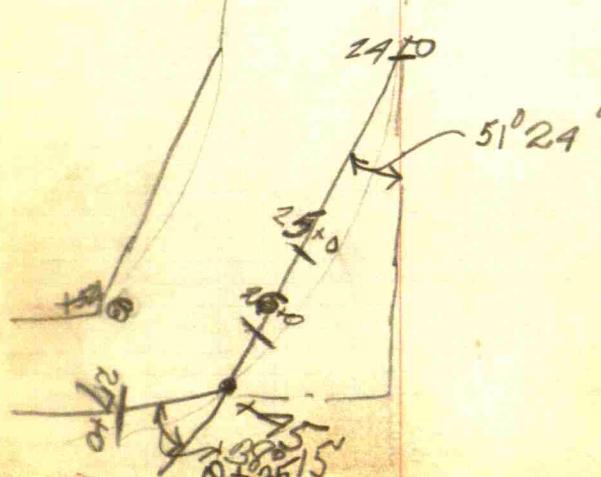
STONE 17-28

88

12836  
51°24'  
~~180.00~~

89

+36°  
+67°  
+00°  
+29°  
+61°  
+80°  
+93°  
+20°  
+57°  
+86°  
+21°  
Φ +61  
21°  
22°  
Φ +63  
23°  
24°



Lia 90

5

+39 ♂

+58 ♂

35 270

28 10

29 10 ♂ + 18

+11 ♂

+52 ♂

+06

+18

+40

+2

+63

30 10 ♂ + 76

+10

39 31 26

32 10 ♂ + 91

Bridge  
63

33 10

N 91

92

5

93

3310

$$\begin{array}{r} +35 \\ +52 \end{array}$$

61

76

89

$$\begin{array}{r} 3910 \\ +10 \end{array}$$

+61

+91

3510

+10

$$\begin{array}{r} 39 \\ 3610 \\ -21 \end{array}$$

+690

+69

3710

+52

W

E

+271

+59

80

3840

+80

94

O 38+0

+25 Ø

89+0

40+0

41+0

42+0

±29

+28  
+57 □+89 Ø  
+100 Ø  
-725  
+3721' C.M.P.  
+2617 1/2+0 17 Ø +55  
96+0  
51'  
77+0

95

W  
Ø+25

Ø+20

Ø+16

Ø+17

+52

96

E

$$17.5 \angle 20^{\circ} 14' N$$

$$17.5 \angle 20^{\circ} 19'$$

$$\phi + 32$$

$$510$$

$$0010$$

$$\phi + 37$$
~~+59 000~~

$$+74 0$$

$$\begin{array}{r} \times \\ +88 0 \\ \hline +92 \end{array}$$

$$510$$

$$\begin{array}{r} 115 0 \\ +28 0 \\ \hline +44 \\ +53 \\ \hline +66 \end{array} \quad 35'$$

$$\begin{array}{r} +82 0 \\ +87 0 \\ \hline 16 \end{array} \quad 52^m$$

$$\phi + 38$$

$$53^m$$

97

L 98

E

5310

W

130 99

+98

17 59<sup>10</sup> 14

Φ +98

+870

55<sup>10</sup>

56<sup>10</sup>

Φ +17

57<sup>10</sup>

Stone

+59

+59

+59

-68-

58<sup>10</sup>

Φ +46

59<sup>10</sup>

+46

19 60<sup>10</sup> 15

100



60±0

61±0

62±0

63±0

64±0

65±0

66±0

67±0

+10

68±0

69±0

101

N

Φ +78

+95  
+60



Φ ±18

- +22

Φ +96

Φ +22

102

T 65

7140

6940  
7040

N  
d+14

103

100  
82  
13

q + 68  
+ 87  
16

90° 10'-

L 404

S

71+0

N 405

Φ +16

73+0

775  
+ 90

73+0

74+0

Φ +42

75+0

Φ +48

76+0

Φ +63

77+0

Φ +86

78+0

Φ +100

Φ +53

79+0

+17

+51

+67

+80

79+0

Φ +75

80+0

P 106

5

80+0

N 107

81+0

Φ +72

82+0

83+0

Φ +79

store

17 84+0/8

+19

+0.0

85+0

+34

86+0

Φ +93

87+0

Φ +15

88+0

Φ +89

89+0

+16

108

S

$$+66 @ 1789+0$$

$$90+0$$

$$91+0$$

$$92+0$$

$$+53$$

$$+53$$

$$1793+0$$

$$+0+0$$

$$1994+130+00$$

$$+22$$

$$95+0$$

$$+53$$

$$+63$$

$$\square +76$$

$$+88$$

$$+06$$

$$+16$$

$$+26$$

$$+91$$

$$+59$$

$$+10$$

$$+10$$

$$+10$$

N

109

$$0+64$$

$$+22$$

$$+90$$

$$+53$$

$$+58$$

$$+58$$

$$+00$$

$$+00$$

$$+00$$

$$+00$$

$$+00$$

$$+00$$

$$+00$$

$$+00$$

$$+00$$

$$+00$$

$$+00$$

$$+00$$

$$+00$$

110

Continued on page  
120.

9870	N	111
9950		
10070	Φ - 25	
	+ 22	
	+ 34	
	+ 57	
18' 01±0		
15		
103	Φ + 18	
91		
+ 05		
+ 35	☒	
+ 69		
+ 70		
+ 93		
+ 14		
+ 82		
☒ + 22		
+ 80		
10350	Φ + 95	
10970	Φ + 99	
	± 12	
19' 105±0	Φ + 78	
14		
10670		
	Φ + 32	
10740	Φ + 52	
10870	Φ + 52	
	Φ + 22	
10950	Φ + 20	
11070	Φ + 01	
11150	+ 80	

112

Ditch for  
chas. J. Raath

0+0 is 60' 50" of N. level  
and it is 6' more to end  
of present tile.

	Stk	Grd.	Top tile 10"
0+0	V	66.4 <sup>73</sup> <sub>63</sub>	65.86 62.60
1+0	V	66.6 <sup>74</sup> <sub>66</sub>	66.06
+2+0	V	65.7 <sup>74</sup> <sub>72</sub>	65.20
3+0	V	65.7 <sup>74</sup> <sub>72</sub>	64.55
4+0	V	65. <sup>73</sup> <sub>51</sub>	65.04
5+0	V	65.5 <sup>74</sup> <sub>60</sub>	64.79
6+0	V	65. <sup>60</sup> <sub>65</sub>	65.18
7+0	V	66. <sup>75</sup> <sub>72</sub>	65.64
8+0	V	66.8 <sup>74</sup> <sub>66</sub>	66.50
9+0	V	66. <sup>74</sup> <sub>68</sub>	66.09
9+5+0	V	65.88	65.25
10+0	V	65.86	65.30
11+0	V	65.66	65.27
12+0	V	65.46	65.00

113

B.T. on West end of  
North dwell of culvert  
Sta. 64+60 - EL. 67.49

Fl. line of the N. side  
stake Rd.  
EL. 61.20  
New Grade Tile 59.58

65.08  
72.60  
74.0

1114

Am # 1

$$0+0 = 6+0$$

0+0 Some as 6 x 0

8th 6d

1+0 65.85 65.25

2+0 66.08 65.50

3+0 66.70 66.03

4+0 66.85 66.22

5+0 66.60 65.85

6+0

Pond. 65.00

1115

116

Am # 2

O+O = 9+50

O+O

1+0 ✓ 66.00 65.24

✓ 2+0 ✓ 65.36 64.74

3+0 ✓ 66.38 65.52

4+0 ✓ 66.38 65.73

5+0 ✓ 65.98 65.22

6+0 ✓ 65.98 65.47

7+0 63.50

8+0

64.80 7l. pond hole  
at Sta about 5+50

Pond at 6+0 to 8+0

65.40 Top Water

64.70 Bottom (shallow)

Charles O. Rauth

117

Lebanon Ind.

65.72  
62.60

65.40

64.70

59.52  
1.60  
60.12

1118 Sub Ann to Am #2

$$0+0 = 2+0$$

1+0 6568 65.01

2+0 6710 6661

3+0 65.00

4+0 6690 6622

5+0 6682 6621

6+0 6630 65.62

7+0 6645 6572

Pond at 3+0 - 65.00

1119

L 120

← LETTER →

19121

S 138 15/11+0, 19  
112+0 N Ø +83

113+0

119+0

162 113+0

Ø +61

113+0

Ø +42

116+0

112+0

118+0

Ø +17

Ø + +93

17/19+0 16

120+0

Ø +72

121+0

122+0

Ø +36

123+0

Ø +90

124+0

— +99 —

Ø +18

— +99 —

T

WATERS-ROAD

122

Sta.

	STA.	10FT.	10'	ft.	30'			
0+0	99.24	98.54	98.11	98.36	98.12			
1+0	97.58	97.21	96.80	97.11	96.85			
2+0	94.97	95.02	96.09	95.55	95.90			
3+0	93.20	94.30	95.04	94.73	94.98			
3+41	51E.	51E.	51	16	16'			
4+0	93.70	93.73	93.53	93.05	94.02			
5+0	94.43	94.32	94.11	94.15	94.06			
5+86	56'E.	v'	29'	20' 16	51K. W.			
6+0	93.72	94.83	94.09	94.16	94.53			
7+0	93.90	93.38	93.61	93.78	92.79			
8+0	-	94.22	93.89	93.20	94.25			
9+0	94.32	94.67	93.75	94.34	94.38			
10+0	93.06	92.39	93.63	93.85	93.36			
11+0	92.66	92.58	93.56	93.28	93.37			
12+0	93.38	92.68	93.81	93.86	93.67			
13+0	91.73	91.32	92.73	92.61	92.49			
14+0	92.10	91.76	92.02	92.51	92.51			
15+0	93.27	92.39	92.70	92.72	92.51			
16+0	91.89	91.15	91.53	91.70	91.86			
17+0	90.50	90.19	90.33	91.30	91.43			
18+0	90.15	89.89	89.97	90.99	91.05			
19+0	90.23	89.61	89.97	90.87	91.09			
20+0	90.91	89.68	89.78	90.66	90.43			
21+0	88.16	87.20	87.35	88.24	88.613			
22+0	86.56	85.52	86.55	86.73	86.79			

123

0 9 3.57  
0 9 1.29  
0 8 850

B.M. on  
B.L. 100.00

L.E. 5  
Canaan, Connec'ty Rail

draw 90.49

Station 0-15

124

STA.	5	5TK	6	14	21
23+0	8552	8465	8533	8535	8549
	59	42	23	23	15
24+0	8162	8912	8504	8489	8361
	57	5TK	W6	19	
25+0		8122	8273	8396	8439
	E5	5TK	W8	25	
26+0	8253	8262	8363	8397	
	9	5TK	9	13	
27+0	8388	8251	8313	8420	8431
	10	2		R	14
28+0	8519	8340	8359	8449	8473
	65	25	5TK	4	2
29+0	8979	8799	8450	8472	8481
	51	5	5TK	4	
30+0	8471	8306	8361	8403	8420
	13	E6	5TK	6	13
31+0	8229	8240	8292	8325	8216
	2	5TK	12	R	
32+0	8127	8138	8179	8288	8301
	9	2	5TK	17	R
33+0	8093	8150	8218	8277	8294
	9	3	5TK	15	R
34+0	8177	8125	8178	8216	8231
	3	5TK	4	15	29
35+0	8269	8177	8312	8359	8376
	7	5TK	5	13	27
36+0	8188	8235	8363	8371	8385
	2	5TK	2	13	35
37+0	8143	8159	8470	8503	8429
	5mt	5TK	11	8476	50
38+0	8482	8405	8458	8657	8659
		5TK	7	19	
39+0	8910	8818	8699	8780	8795
			3	9	
40+0	8846	8773	8744	8870	8886
			2	16	
41+0	9023	8952	8904	9036	9048
			2	9	
42+0	9075	9100	9073	9161	9175
			2	9	
43+0	9201	9140	9065	9150	9213
			3	10	
44+0	9092	9010	8940	9012	9062
			3	10	
45+0	8928	8920	8768	8825	8842
			7	12	
46+0	8636	8652	8622	8755	8752
			2	12	
47+0	8582	8605	8600	8795	8748
			2	12	

about 15' to 42' Rd

E

8425	26	30	59	8494
8540	10	14	14	
8457	8203	8129	59	
2137	8080	30	30	
8328	8206	8250	32	
8480	8387	8679	33	
8466	8389	8365	33	
8372	8265	33	33	
8069	8025	30	35	
8245	8089	8058	35	
8140	8025	7912	35	
8219	8320	8720	35	
8385	8335	8300	30	
8410	8263	8300	33	8417
8203	50	50	50	
8476	5TK	5TK	5TK	
8372	8382	8382	8382	
8543	8609	8589	60	
8687	8807	8815	78	
8700	9019	8998	98	
9099	9399	9409	96	
9109	9313	9332	75	
9019	8996	9039	9092	
8842	8725	8830	8811	
8753	8570	8605	8637	
8745	8600	8666	8648	

Noon

O 8378

O 8254

EL. 8562

B.M. on N.W. 1/4 Wang Gull Island Sta. 32463

STA	5'mot	5TK	Ditch	Berm	R
48+0	8670	8663	8631	8762"	8768
49+0	8820	8835	8690	8893"	8809
50+0	8997	8999	8815	9021"	9011
51+0	8908	9016	8820	8778	8916
52+0	8763	8771	8721	8800"	8803
53+0	8685	8685	8642	8738"	8743
54+0	8678	8670	8545 <sup>b</sup>	8653"	8665
55+0	853L	8536	8486 <sup>b</sup>	8614 <sup>b</sup>	8630
56+0	8473	8474	8407	8556 <sup>b</sup>	8571
57+0	8382	8385	8386	8476 <sup>b</sup>	8478
58+0	8368	8362	8305	8430 <sup>b</sup>	8435
59+0	8220	8225	8254	8464 <sup>b</sup>	8490
60+0	8306	8315	8294 <sup>b</sup>	8460 <sup>b</sup>	8450
61+0	8927	8962	8362 <sup>b</sup>	8468 <sup>b</sup>	8480
62+0	8595	8599	8965 <sup>b</sup>	8584 <sup>b</sup>	8570
63+0	8982	9021	8652	8863 <sup>b</sup>	8887
64+0	8845	8875	8720 <sup>b</sup>	8919 <sup>b</sup>	8970
65+0	8883	8915	8800 <sup>b</sup>	8962"	8969
66+0	9174	9159	8954 <sup>b</sup>	9092"	9093
67+0	8988	9011	8860 <sup>b</sup>	9014"	9012
68+0	8850	8832	8845 <sup>b</sup>	9016 <sup>b</sup>	9005
69+0	8996	9001	8914 <sup>b</sup>	9056 <sup>b</sup>	9028
70+0	9171	9185	9015 <sup>b</sup>	9150 <sup>b</sup>	9151
71+0	9135		9275 <sup>b</sup>	9335 <sup>b</sup>	9337
72+0	9373	9371	9270 <sup>b</sup>	9385 <sup>b</sup>	9330

STA	5'mot	Ditch	5TK	5'out	08699 09887
					B.M. on N.E. end of E-mail of bridge Sect. 59 + 1/2 L.
					E.H. 80.47
8760	8626	8716	8705		
8826	8719	8822	8823	0 9307	
8940	8890	8994	9013		
8882	8746	8843	8857		
8780	8647	8745	8756		
8713	8596	8662	8667		
8656	8530	8613	8621		
8593	8472	8500	8531		
8578	8437	8522	8520		
8583	8590	8504	8505		
8906	8362	8352			
8969	8336	8318	8289		
8156	8262	8301			
8381	8415	8398			
8569	8511	8620	8622		
8890	8695	8901	8972		
8975	8782	8870	8906		
8970	8801	8865	8902		
9072	8950	9062	9087		
9075	8876	8959	8980		
9006	8856	8856	8878		
9038	8920	8944	8964		
9140	9010	9096	9098		
9310	9320	9390			
9410	9327	9439	9431		

LETTERED

86.40

126

Sta	S'out	S'tk	Ditch	Burm	C
73+0	9353	9354	9249	9338 <sup>12</sup>	9392
74+0	9171	9203	9165 <sup>7</sup>	9267	9305
75+0	9156	9194	9067	9185 <sup>12</sup>	9228
76+0	9035	9070	8910 <sup>7</sup>	9020 <sup>12</sup>	9056
77+0	8809	8217	8790 <sup>7</sup>	8900 <sup>12</sup>	8930
78+0	8752	8758	8720 <sup>6</sup>	8860 <sup>13</sup>	8876
79+0	8646	8691	8620 <sup>6</sup>	8771 <sup>12</sup>	8794
80+0	8646	8682	8610 <sup>6</sup>	8703 <sup>12</sup>	8735
81+0	8605	8637	8598 <sup>6</sup>	8706 <sup>13</sup>	8720
82+0	8552	8585	8545 <sup>6</sup>	8683 <sup>13</sup>	8710
83+0	8612	8620	8576 <sup>6</sup>	8682 <sup>12</sup>	8722
84+0	8693	8702	8652 <sup>6</sup>	8770 <sup>13</sup>	8794
85+0	8905	8959	8793 <sup>5</sup>	8891 <sup>11</sup>	8931 <sup>18</sup>
86+0	9091	9082	9027 <sup>4</sup>	9017 <sup>10</sup>	9056
87+0	8953	8936	8891 <sup>9</sup>	9000 <sup>11</sup>	9095
88+0	8935 <sup>-</sup>	8941	8839 <sup>3</sup>	8982	9035
89+0	9020	9018	8867	9024 <sup>12</sup>	9050
90+0	8965 <sup>-</sup>	8990	8875 <sup>3</sup>	9039 <sup>10</sup>	9063
91+0	9110	9020	8802 <sup>3</sup>	8941 <sup>10</sup>	8988
92+0	8665 <sup>-</sup>	8636	8500 <sup>4</sup>	8643 <sup>10</sup>	8660
93+0	8950	8930	8865 <sup>3</sup>	8520 <sup>10</sup>	8538
94+0	8428	8492	8582 <sup>9</sup>	8629	8675
95+0	8426	8457	8406 <sup>3</sup>	8602 <sup>9</sup>	8643
96+0	8737	8710	8516 <sup>3</sup>	8661 <sup>8</sup>	8675
97+0	8790	8750	8617 <sup>4</sup>	8765 <sup>11</sup>	8792

127

Sta	S'out	S'tk	Ditch	Burm	C
			8514 <sup>26</sup>	9197	9326
			9281	9136 <sup>33</sup>	9237
			9180 <sup>26</sup>	9056 <sup>33</sup>	9274
			9030 <sup>27</sup>	8899	9195
			8893	8759 <sup>37</sup>	8878
			8957 <sup>21</sup>	8706 <sup>34</sup>	8760
			8745 <sup>26</sup>	8502	8690
			8712 <sup>26</sup>	8532 <sup>33</sup>	8663
			8699 <sup>26</sup>	8526 <sup>34</sup>	8593
			8663 <sup>26</sup>	8515 <sup>35</sup>	8579
			9710 <sup>20</sup>	9570 <sup>35</sup>	8615
			8662 <sup>25</sup>	8728 <sup>39</sup>	8715
			9894 <sup>23</sup>	9793 <sup>31</sup>	8929
			9020 <sup>25</sup>	8845 <sup>31</sup>	9015
			9902 <sup>25</sup>	8869 <sup>31</sup>	8969
			9991 <sup>25</sup>	8917 <sup>31</sup>	8905
			9997 <sup>24</sup>	8833 <sup>30</sup>	8924
			9926 <sup>24</sup>	8888 <sup>29</sup>	8956
			9958 <sup>22</sup>	8763 <sup>29</sup>	9072 S.E.
			8629 <sup>22</sup>	8499 <sup>30</sup>	8610
			8496 <sup>23</sup>	8440 <sup>29</sup>	8490
			8675 <sup>22</sup>	8287 <sup>29</sup>	8387
			8616 <sup>23</sup>	8441 <sup>29</sup>	8532 <sup>33</sup>
			8642 <sup>23</sup>	8565 <sup>29</sup>	8695 <sup>33</sup>
			8781 <sup>21</sup>	8639 <sup>29</sup>	8726
					8780

① for nitre  
Cor of C Parkers  
front step  
EL. 88.17

128

Sta	5' out	5' Hc	Pitch	Berm	\$
98+0	8676	8720	8641	8817 <sup>10</sup>	8923
99+0	8732	8748	8643 <sup>3</sup>	8807	8980
100+0	8902	8910	8796 <sup>3</sup>	8895 <sup>6</sup>	8931
101+0	9083	9086	8872 <sup>3</sup>	9007 <sup>2</sup>	9040
102+0	9180				9198
103+0	9201	9200	9031 <sup>2</sup>	9170 <sup>8</sup>	9224
104+0	9123	9102	9016 <sup>2</sup>	9181 <sup>9</sup>	9229
105+0	9115 <sup>5</sup>	9097	9031 <sup>1</sup>	9202 <sup>10</sup>	9225
106+0	9185 <sup>5</sup>	9047	9210 <sup>10</sup>	9260	9210
107+0	9206	9198	9072 <sup>2</sup>	9222 <sup>7</sup>	9259
108+0	9284	9255	9152 <sup>2</sup>	9306 <sup>10</sup>	9321
109+0	9495 <sup>5</sup>	9470	9315 <sup>1</sup>	9452 <sup>10</sup>	9495 <sup>5</sup>
110+0	9972	9860	9653 <sup>3</sup>	9741 <sup>10</sup>	9760
111+0	9960	9882	9705 <sup>3</sup>	9807 <sup>10</sup>	9830
112+0	9571	9557	9430 <sup>3</sup>	9587 <sup>10</sup>	9617
113+0	9419	9452	9297 <sup>3</sup>	9427 <sup>10</sup>	9443
114+0	9380	9400	9220 <sup>3</sup>	9368 <sup>10</sup>	9380
115+0	9225	9252	9109 <sup>3</sup>	9290 <sup>10</sup>	9305 <sup>2</sup>
116+0	9191	9190	9048 <sup>3</sup>	9216 <sup>10</sup>	9242
117+0	9171	9160	9022 <sup>2</sup>	9142 <sup>9</sup>	9175
118+0	9055	9001	8865 <sup>2</sup>	9003 <sup>11</sup>	9024
119+0	8945	8936	8720 <sup>2</sup>	8862 <sup>0</sup>	8882
120+0	8675 <sup>5</sup>	8690	8601 <sup>9</sup>	8742 <sup>11</sup>	8757
121+0	8547	8689	8494 <sup>2</sup>	8503 <sup>13</sup>	8709
122+0	8532	8561	8421 <sup>5</sup>	8691 <sup>11</sup>	8680

129

Berm	Pitch	5' Hc	5' out	
9820	8664 <sup>29</sup>	8758 <sup>33</sup>	8731	09228
9859 <sup>25</sup>	8721 <sup>29</sup>	8782 <sup>33</sup>	8748 <sup>40</sup>	09792
9896 <sup>24</sup>	9787 <sup>29</sup>	8705 <sup>32</sup>	8889 <sup>70</sup>	09701
9014 <sup>25</sup>	8880 <sup>30</sup>	9080 <sup>34</sup>	9074	0
9162 <sup>23</sup>	8995 <sup>30</sup>	9157 <sup>34</sup>	9141	8759
9176 <sup>23</sup>	9040 <sup>30</sup>	9180 <sup>34</sup>	9187	0
9179 <sup>24</sup>	9031 <sup>30</sup>	9125 <sup>34</sup>	9111	9014
9170 <sup>22</sup>	9015 <sup>29</sup>	9150 <sup>31</sup>	9112	9016
9210 <sup>22</sup>	7082 <sup>29</sup>	9192 <sup>31</sup>	9199	9292
9216 <sup>23</sup>	9105 <sup>30</sup>	9223 <sup>32</sup>	9160	9294
9286 <sup>23</sup>	9150 <sup>29</sup>	9264 <sup>32</sup>	9226	9295
9431 <sup>23</sup>	9311 <sup>29</sup>	9439 <sup>32</sup>	9380	9296
9710 <sup>23</sup>	9624 <sup>30</sup>	9862 <sup>32</sup>	9770	9297
9787 <sup>23</sup>	9754 <sup>29</sup>	9956 <sup>32</sup>	9887	9298
9575 <sup>23</sup>	9447 <sup>30</sup>	9570 <sup>33</sup>	9548	9299
9963 <sup>23</sup>	9337 <sup>30</sup>	9435 <sup>32</sup>	9400	9234
9352 <sup>25</sup>	9255 <sup>32</sup>	9345 <sup>34</sup>	9344	9233
9265 <sup>23</sup>	9551 <sup>31</sup>	9236 <sup>32</sup>	9200	9232
9205 <sup>23</sup>	9055 <sup>30</sup>	9151 <sup>32</sup>	9098	9231
9156 <sup>23</sup>	9009 <sup>30</sup>	9076 <sup>33</sup>	9060	9230
9005 <sup>23</sup>	8986 <sup>31</sup>	9036 <sup>33</sup>	9020	9231
8853 <sup>24</sup>	8741 <sup>30</sup>	8856 <sup>32</sup>	8845 <sup>36</sup>	9231
9730 <sup>23</sup>	8589 <sup>30</sup>	8665 <sup>32</sup>	8692 <sup>70</sup>	10008
8680 <sup>25</sup>	8572 <sup>31</sup>	8575 <sup>32</sup>	8692 <sup>70</sup>	10008
8627 <sup>24</sup>	8459 <sup>30</sup>	8496 <sup>35</sup>	8481	10008

**128**

Sta	5' out	5'H	Pitch	Berm	\$
98+0	8696	8120	8691	8817 <sup>10</sup>	89243
99+0	8732	8748	8645 <sup>3</sup>	8807	9980
100+0	8902	8900	8796 <sup>3</sup>	8845 <sup>6</sup>	8931
101+0	9083	9084	8872 <sup>3</sup>	9007	9040
102+0	9180				9198
103+0	9201	9200	9031 <sup>2</sup>	9170 <sup>8</sup>	9227
104+0	9123	9102	9015 <sup>2</sup>	9181 <sup>9</sup>	9224
105+0	9115 <sup>5</sup>	9097	9031 <sup>1</sup>	9202 <sup>10</sup>	9225
106+0	9185 <sup>5</sup>	9047	9210 <sup>10</sup>	9260	9210
107+0	9206	9198	9072 <sup>2</sup>	9222 <sup>7</sup>	9259
108+0	9284	9255	9152 <sup>2</sup>	9306 <sup>10</sup>	9321
109+0	9495 <sup>5</sup>	9470	9315 <sup>2</sup>	9452 <sup>10</sup>	9995 <sup>5</sup>
110+0	9972	9860	9653 <sup>3</sup>	9741 <sup>10</sup>	9760
111+0	9960	9882	9705 <sup>3</sup>	9807 <sup>10</sup>	9830
112+0	9571	9557	9430 <sup>5</sup>	9587 <sup>10</sup>	9617
113+0	9419	9432	9297 <sup>3</sup>	9427 <sup>10</sup>	9443
114+0	9380	9400	9220 <sup>3</sup>	9368 <sup>10</sup>	9380
115+0	9225	9256	9109 <sup>3</sup>	9290 <sup>10</sup>	9305 <sup>2</sup>
116+0	9191	9190	9048	9216 <sup>10</sup>	9240
117+0	9171	9160	9022 <sup>9</sup>	9142 <sup>9</sup>	9175
118+0	9055	9001	8865 <sup>7</sup>	9003 <sup>11</sup>	9024
119+0	8945	8936	8700 <sup>9</sup>	8862 <sup>10</sup>	8822
120+0	8675	8690	8601 <sup>7</sup>	8712 <sup>11</sup>	8757
121+0	8591	8689	8494 <sup>4</sup>	8503 <sup>13</sup>	8709
122+0	8532	8561	8421 <sup>5</sup>	8691 <sup>11</sup>	8680

**129**

Berm	Pitch	5'H	5'out	
21	8664 <sup>29</sup>	8758 <sup>33</sup>	8731	092288
22	8721 <sup>29</sup>	8782 <sup>33</sup>	8748 <sup>40</sup>	09792
25	9787 <sup>29</sup>	8705 <sup>32</sup>	8889 <sup>70</sup>	09480
24	8880 <sup>39</sup>	9080 <sup>32</sup>	9079	09480
25	9162 <sup>29</sup>	9157 <sup>31</sup>	9141	0
23	9040 <sup>30</sup>	9120 <sup>31</sup>	9187	8759
23	9176 <sup>29</sup>	9125 <sup>31</sup>	9111	9211
22	9031 <sup>30</sup>	9130 <sup>31</sup>	9112	9212
22	9015 <sup>29</sup>	9264 <sup>32</sup>	9226	9226
22	9082 <sup>29</sup>	9192 <sup>31</sup>	9199	9226
22	9103 <sup>30</sup>	9223 <sup>32</sup>	9160	9226
23	9150 <sup>29</sup>	9264 <sup>32</sup>	9226	9226
23	9150 <sup>29</sup>	9439 <sup>32</sup>	9380	9226
23	9624 <sup>29</sup>	9862 <sup>32</sup>	9770	9226
23	9759 <sup>29</sup>	9956 <sup>32</sup>	9887	9226
23	9759 <sup>29</sup>	9570 <sup>31</sup>	9548	9226
23	9337 <sup>30</sup>	9435 <sup>32</sup>	9400	0
23	9337 <sup>30</sup>	9435 <sup>32</sup>	9400	9226
25	9255 <sup>32</sup>	9345 <sup>34</sup>	9344 <sup>10</sup>	0
25	9236 <sup>31</sup>	9236 <sup>32</sup>	9200	0
23	9551 <sup>30</sup>	9151 <sup>32</sup>	9098	0
20	9053 <sup>30</sup>	9076 <sup>35</sup>	9060	0
24	9009 <sup>31</sup>	9036 <sup>33</sup>	9020	0
24	8886 <sup>30</sup>	9036 <sup>33</sup>	9020	0
24	8741 <sup>30</sup>	8856 <sup>36</sup>	8845 <sup>5</sup>	0
23	8589 <sup>30</sup>	8665 <sup>36</sup>	8642	0
25	8576 <sup>31</sup>	8575 <sup>30</sup>	8642	0
24	8459 <sup>30</sup>	8496 <sup>35</sup>	8481	0

110550 5' out 100038

5'H

11-130

Sta 5' int STA  
123+0 8543 8600  
124+0 8327 8321  
124+18

Ditch Berm \$  
837 $\frac{1}{3}$  8530" 8559  
8275 8440" 9522  
50' N 8500 8509

Berm Ditch STA 5' out  
850 $\frac{24}{30}$  835 $\frac{2}{32}$  8466 8470  
8455 8221 8270  
50's 8487

11-131

B Moon S end of Coveretts  
headwall Sta 124+25

EL. 85.86

Survey For Bob  
Parker

132

Sta.	Top Stk	ground	Total Tide	①
0+0	93.88	93.24	90.00	98.74
1+0	93.70	93.25		
2+0	94.56	93.88		
3+0	94.23	93.70		
4+0	94.90	94.34		
5+0	96.90	95.92		
6+0	97.44	97.03		
7+0	97.95	97.69		
8+0	98.70	97.96		
9+0	98.74	98.22		
10+0	99.31	98.57		
11+0	99.66	98.94		
12+0	98.81	98.23		
13+0	98.48	97.91		
14+0	97.74	97.20		

133

136

## Spanker Dam

64+60	67.71	6052	7.19
62+11	66.13	6029	5.89
61+93	65.79	5993	6.86
60+0	64.13	5951	4.62
58+0	63.55	5907	4.98
56+0	63.08	-0-63.08	
54+0	62.80	5819	4.61
52+26	64.63	-0-	5779 6.84
49+79	64.49	57.17	7.32
48+93	63.08	5683	6.25
46+0	61.86	5622	5.67
44+50	60.88	5585	5.03

5863

Station	EI	Grade	
Stake			141
56+0	63.08	58.38	4.70
58+0	63.55	58.66	4.89
60+0	64.13	58.94	5.19
61+93	65.79	59.21	6.58
64+60	67.71	59.58	8.13

