

Drain: JOHN UNDERWOOD Drain #: 59  
Improvement/Arm: BELL & HUMBLER  
Operator: J. LIVINGSTON Date: 7-27-04  
Drain Classification: Urban/Rural Year Installed: 1903

### GIS Drain Input Checklist

- Pull Source Documents for Scanning
- Digitize & Attribute Tile Drains
- Digitize & Attribute Storm Drains
- Digitize & Attribute SSD
- Digitize & Attribute Open Ditch
- Stamp Plans
- Sum drain lengths & Validate
- Enter Improvements into Posse
- Enter Drain Age into Posse
- Sum drain length for Watershed in Posse
- Check Database entries for errors

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Ditch, by

County Surveyor,

189

ORIGINAL SPECIFICATIONS.

DESCRIPTION OF THE MANNER IN WHICH THE WORK SHALL BE DONE.

Width at Top.	Depth of Cut.	Width at Bottom.
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10/27 - 1920  
 This ditch has been tiled under the name  
 of Millard Bell — Proceedings from Madison Co.  
 No Record No Record in this office  
 J. Shannon Co Sur.

M. J. Bell et al  
 Joint Ditch  
 Madison &  
 Hamilton Co  
 Com Rec  
 Book 14  
 pg 475  
 pg 476

We further report that said proposed ditch will be of public utility and will be conducive to the public health, that it will benefit the public highways in each of said Counties, and that the cost of construction will be less than the benefits derived therefrom.

Said Ditch Beginning <sup>321</sup> 311 feet North, and <sup>20</sup> 15 feet East of the South East corner of Section 18, Township 18 North, Range 4 East at Station 0

From	Thence	Feet	to	Station Plus feet
0	N 89 1/2° W.	1120 1/2	"	11 + 20 1/2
11 + 20 1/2	S 57° W.	538 1/2	"	16 + 59
16 + 59	S 87 3/4° W	168	"	18 + 27
18 + 27	N 77° W	645	"	24 + 72
24 + 72	N 43 1/2° W	472 1/2	"	29 + 44 1/2
29 + 44 1/2	N 86 1/2° W	841 1/2	"	37 86
37 + 86	S 87 3/4° W	371 1/2	"	41 57 1/2
41 + 57 1/2	S 89° W	800 1/2	"	49 58
49 + 58	S 87 3/4° W	1042	"	60 00
60 + 00	S 19 3/4° W	630	"	66 30
66 + 30	S 8 1/4° W	557	"	71 87
71 + 87	S 42 1/4° W	195	"	73 62

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Bell & Hamilton  
 Drain  
 Was this  
 or  
 Whitsel  
 Whitsel

From	Thence	Feet	to	Station Plus feet
73 + 62	S 70 1/2° W	538	"	79 00
79 + 00	S 57° W	120	"	80 20
80 + 20	S 16 1/4° W	580	"	86 00
86 + 00	S 30° W	114	"	87 14
87 + 14	S 54° W	355 1/2	"	90 69 1/2
90 + 69 1/2	S 9° W	171 1/2	✓ "	102 41
102 + 41	S 12° W	120 1/2	"	103 61 1/2
103 + 61 1/2	S 59 3/4° W	507	"	108 68 1/2
108 + 68 1/2	S 48° W	59 1/2	"	109 28
109 + 28	S 35° W	172	"	111 00
111 + 00	S 24 1/2° W	239	"	113 39
113 + 39	S 19 1/2° W	378	"	118 17
118 + 17	S 59 3/4° W	183	"	120 00
120 + 00	S 48 1/2° W	208 1/2	"	122 8 1/2
122 + 8 1/2	S 45 3/4° W	253 1/2	"	124 62
124 + 62	S 68 3/4° W	310	"	127 72
127 + 72	S 61 1/2° W	428	"	132 00
132 + 00	S 4 1/2° W	281	"	134 81
134 + 81	S 25 3/4° W	405	"	138 86
138 + 86	S 8 3/4° W	244	"	141 30
141 + 30	S 21 3/4° E	370	"	145 00
145 + 00	S 10 1/2° E	126	"	146 26
146 + 26	S 2 1/4° E	197	"	148 23
148 + 23	S 35 1/4° W	466	"	152 89
152 + 89	S 47° W	77	"	153 66
153 + 66	S 61 1/2° W	189 1/2	"	155 55 1/2
155 + 55 1/2	N 85 1/2° W	77 1/2	"	156 33
156 + 33	N 59 1/2° W	102 1/2	"	157 35 1/2
157 + 35 1/2	N 34 1/2° W	218 1/2	"	159 48
159 + 48	N 60 1/4° W	64	"	160 12
160 + 12	S 87 3/4° W	88	"	161 00
161 + 00	S 50 1/4° W	222 1/2	"	163 22 1/2
163 + 22 1/2	S 82 3/4° W	84	"	164 6 1/2
164 + 6 1/2	S 88 1/2° W	281 1/2	"	166 88
166 + 88	S 62° W	412	"	171 00
171 + 00	S 46° W	180	"	172 50
172 + 50	S 4 1/4° W	750	"	177

of the NE 1/4 of Sec 30 - 18 - 6

where said ditch terminates 832 feet West of the South east corner

Tributary

Beginning 390 feet East and 15 feet South of the North West corner of the North East quarter of the Northeast quarter of Section 20 Township 18 North Range 6 East at 0

From	Thence	Feet to	Station	Plus feet
0	South	612	"	6
6+12	S 53° W	105	"	7
7+17	S 54° W	232½	"	9
9+49½	S 3½° W	50½	"	10
10+00	S 5½° W	460	"	14
14+60	S 32¾° E	197	"	16
16+57	S 16° W	29	"	16

Station 17 = 17  
 Where said Tributary terminates at Station 80+20 of said main ditch

Specifications for Tile Ditch

Said ditch or drain shall be constructed of the following sizes of Tile:

From Station	To Station	Size of Tile
0	29	10 inch
"	29	12 "
"	40	14 "
"	80	15 "
"	108	16 "
"	122	18 "
and the Tributary	OPEN DITCH FROM STA 148+10 TO 177+00	
"	0	17 " 8 "

All tile used shall be good, sound, well burned, first-class tile, Tile to be inspected by County