

Drain: CASTETTER & RANDALL **Drain #:** 154
Improvement/Arm: _____
Operator: J. LIVINGSTON **Date:** 11-13-03
Drain Classification: Urban/Rural **Year Installed:** 1900

GIS Drain Input Checklist

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

No.

IN THE MATTER OF

*Chas. Randall
Drain*

*Report approved by the
Board of Com of Hamilton
Nov 7 Reg 1900
and viewers ordered
to make final Report
Nov 17, 1900*

Samuel Carey P B

Report of Ditch Viewers.

COMMISSIONERS' COURT.

Filed

Oct 5 - 1900

S Sturdevant

Auditor.

Wm. B. Burford, Printer, Indianapolis. 500-2-25-'09.

*Common Record
CLB 12-5-46-547*

Viewers' Report of Charles Randall

Ditch.

To the Honorable Board of Commissioners of Hamilton County, Indiana:

We, the undersigned, appointed by this Court, at its September Term, 1900, to view a drain described in the certified copy of a petition and order of Court for a Ditch, by Charles Randall and others, handed us by the Auditor, would represent that according to said order we, on the day named therein, to wit: The 25th day of September, 1900, in company with J. A. Mitchell, a civil engineer, made an accurate survey of the line of said proposed Ditch, from its source to its outlet. A plat of said Ditch is filed herewith, including the survey by the engineer, marked "Exhibit B." We caused stakes to be set along said line, each one hundred feet, numbering down stream, as shown by plat. We also made a computation of the total number of cubic yards of earth to be removed from said drain, and estimated the total cost for the construction of the work at \$392.40 Dollars.

We also apportioned and set apart to each parcel of land a share of said work in proportion to the benefits received, all of which will fully appear by a tabular statement in this report. We have also set out, by a statement below, the names of the owners of lands benefited, with a description of each tract of land, and the amount assessed against each tract. The depth of cut, the width at bottom, and width at top along said drain, is also shown in a tabular statement in this report. After a full and careful view and examination, we are of the opinion that the drain, as located by the survey, will be of public utility and convenience and that the cost of construction of said ditch will be less than the benefits to be derived therefrom; and we believe that said drainage can be best secured by a tile drain from Stake 0 to Stake 14 + 65 ft., - 1465 feet its entire length. The ditch to consist of one row of 15 inch tile throughout: the last 8 tile or 16 feet to be 15 inch salt-glazed sewer tile. A retaining wall of stone, 20 ft long 5 ft high, and 2 ft thick, shall be built at ends of the tile: and shall receive the tile through the wall on the proper grade line; the tile passing through the wall to be thoroughly chucked or grouted in the wall. The wall to be made from field rocks or river rocks laid in mortar made from one part portland cement to three parts good sharp sand.

The following statement shows who are benefited, the lands thereof and assessments thereon, location, length of each share, amount of assessments, amount of benefits, amount of dirt to be removed from each share, price thereof per cubic yard and total cost of each share:

NAMES OF OWNERS.	DESCRIPTION OF LANDS.	Section.	Township.	Range.	Acres Assessed.	Acres Benefited.	Feet Long.	Cubic Yards to be Removed.	Price per Cubic Yard.	Cost of Construction of Share.
Charles Randall.	N. W 1/4	18	31	5	31	58	58	58.00	58.00	52.90
John C. Harrison.	N. W 1/4	18	31	5	68	121	125	125.00	125.00	114.20
"	N. E. 1/4	18	31	5	2	3	3	3.50		
William F. Harrison.	N. E. 1/4	18	31	5	40	67	100	100.00	100.00	91.35
"	N. W 1/4	18	31	5	5	8	8	8.00		
"	N. E. 1/4	18	31	5	10	25	25	25.00		
Emmel C. Harrison.	N. E. 1/4	18	31	5	26	45	50	50.00	50.00	45.67
"	N. E. 1/4	18	31	5	3	5	5	5.00		
John A. Young.	N. W 1/4	18	31	5	14	25	25	25.00	25.00	22.83
Delaware Township.	Highway N. E. 1/4	18	31	5	2.10	2	15	15.00	15.00	13.71
Hamilton County.	Cumberland G. R. R.	18	31	5		2	2	2.00	2.00	1.82
B. & W. R. R.	Right of way through N. W 1/4	18	31	5		35	35	35.00	35.00	31.00

374.50

Viewers' Report of

Ditch.

TABULAR STATEMENT OF STATIONS, WIDTH, DEPTH, LENGTH, ETC.

STATIONS.	WIDTH AT TOP.		DEPTH OF CUT.		WIDTH AT BOTTOM.		WIDTH OF CLEARING OR TIMBER.
	Feet.	Inches.	Feet.	Tenths.	Feet.	Inches.	
<p><i>Location.</i> The location of the Charles Randall Ditch is as follows:— Beginning at a point 91 rods south-west from the northeast corner of the west half of the northwest quarter of Section 31 Township 78 North Range 5 east. Measured along the east line of the L. & W. Railroad right-of-way, running thence $N 76^{\circ} W$ from Stake 0 to Stake 4+40 = 440 ft.; thence $S 77^{\circ} 3/4 W$ from Stake 4+40 to Stake 14+65 = 1025 ft.</p> <p><i>Requirements:</i>— The tile used in said ditch shall be first class in every respect, and shall be laid in the ditch to the proper grade, well matched, and in in a true line; the tile after being placed in the ditch shall be left uncovered until inspected and accepted by the Engineer in Charge; after which the earth excavated from ditch shall be ^{placed} over the line of tile; and the work shall be done to the satisfaction of the engineer in charge.</p>							

GENERAL SPECIFICATIONS AND SUGGESTIONS.

The length of the ditch as located is 1465 feet
 The fall of the established grade is 0 feet from Station 0 to Station 1465, is $3\frac{1}{100}$ ft. per 100 feet.

The total fall is $\frac{542}{100}$ feet to 1465

The viewers further report that we are of the opinion that it is not practicable to allow said ditch for construction for the reason that we believe the work will be better done and at less cost, and we recommend that the Auditor sell the same for construction in accordance with the law made and provided in such cases.

W.S. Langston } Viewers
 Ed. B. Murphy }

Subscribed and sworn to before me, this

day of Oct, 1900
Calvin Sturdevant Auditor Hamilton County.

No 18786.

B. F. Castetter

Alcain

Com's Report.

FILED

Oct 15, 1919

Chas. J. Newby

Clark Hamilton

SH. 10001

18786
6
1919

STATE OF INDIANA)
HAMILTON COUNTY) SS

IN HAMILTON *Circuit* COURT.

IN THE MATTER OF THE PETITION
OF *B F Castetter et al*
FOR DRAINAGE

Report of the drainage Commissioners and Engineer,

To the honorable *Judge of Hamilton Circuit Court* of Hamilton County.

We the undersigned Commissioners of drainage and the Engineer, to whom was referred the above entitled petition for drainage of certain lands, in *Delaware Tp.*, Hamilton County, Indiana,

We would respectfully report that we met on the line of said ~~proposed~~ ~~repair of said~~ *B F Castetter* Drain, on the _____ day of 19____, qualified and proceeded to view said drain and lands affected thereby.

After a careful investigation of the conditions of said drain, we are of the opinion that said drain should in the manner set out below in this report and the completed will improve the public health and will lands, and will be of public utility, and will be highways, also that the cost of construction and expense of effecting said drain will be less to the lands affected by said drainage. That we have definitely determined the best and the effecting the drainage of such lands, we have fixed location, and character of said proposed work and have fixed by metes and bounds, courses, distances, descriptions and guides, and bench marks, including arms and branches so as to provide for a complete outlet for the drainage of said lands affected by said proposed work; that we have divided the ditch and its branches into sections of not more than 100 ft. in length by setting stakes at each 100 ft.

LOCATION

Main ditch to begin 920 feet west and fifteen feet south of the Southeast corner of the west half of the southeast quarter of section 36, Township 18 north, Range 4 east; run thence north, 12 degrees east, 200 feet; thence north 24 degrees east, 150 feet; thence north, 53 degrees east, 700 feet; thence north, 70 degrees east, 950 feet; thence north, 25 degrees east, 650 feet; thence north 970 feet; thence north, 65 degrees west, 140 feet; thence north, 75 degrees west, 300 feet; thence north, 41 degrees west, 260 feet; thence north, 16 degrees west, 187 feet; thence north, 42 degrees west, 555 feet; thence north, 33 degrees west, 100 feet; thence north, 24 degrees west, 100 feet; thence north 13 degrees west, 100 feet; thence north, 6 degrees west, 489 feet; and terminating in an open branch 1170 feet west and 60 feet north of the northeast corner of section 36, Township 18 north, Range 4 east.

Arm number 1: beginning 450 feet east and 75 feet north of the southwest corner of the east half of the southeast quarter section 36, township 18 north, Range 4 east; run thence north, 2 degrees east, 200 feet; thence north, 25 degrees west, 1066 feet; thence north 17 feet and terminating on the main ditch at station 16 + 68 feet.

Arm number 2: beginning _____ feet east and _____ feet south of the north east corner of the southeast ^{QUARTER} corner of section 36, township 18 north, Range 4 east; and run thence north, 25 degrees west, 100 feet; thence north 25 degrees west, 100 feet; and terminating on the main ditch at station 38 + 39 of said main ditch.

REQUIREMENTS

Said main ditch to consist of 1 row of ten inch tile from station 0 to station 16 + 68 and 1 row of twelve inch tile from station 16 + 68 to 38 + 19; and one row of ~~eighteen~~ inch tile from station 38 + 19 to station 47 + 57; and one row of 22 inch tile from station 47 + 57 to station 69 + 89 or terminus.

Arm number 1 to consist of one row of ten inch tile throughout.

Arm number 2 to consist of one row of twelve inch tile throughout.

At station 0 and 16+68 on the main ditch and at station 0 on each of the arms shall be constructed catch basins 3 feet in diameter, circular in form, with walls 4 inches thick and to the full depth of the cut of the ditch at each of said stations plus, 2 feet.

At station 38+19 and at station 47+57 of the main ditch shall be constructed connecting boxes 4 feet square with side walls 6" thick, to the depth of the ditch plus two feet at the respective stations. All catch basins and connecting boxes shall have 4" concrete bottoms and shall be covered with 8" open concrete slabs 4" thick, said openings in the covers must have the capacity of the outlet tile; and each of the holes in said covers to be not more than 2 1/2" in diameter. From station 69+89 to station 69+89 shall be a concrete flume two feet inside diameter and with 4" walls; all concrete work to be constructed in accordance with the concrete specifications attached hereto.

From station 60+25 to station 66+75 shall be a 24" concrete flume constructed the same as the flume specified for the lower end of the ditch.

CONCRETE WORK

Unless otherwise specified all concrete work included in these specifications shall be a mixture of 1-2-3; one part Portland cement, two parts sand, and three parts gravel. The sand and gravel to be free from dirt, loam, other foreign matter.

The cement, sand and gravel to be thoroughly mixed while dry until it presents an even shade of coloring throughout then made into a moderately wet mortar, and be immediately placed in the forms for moulding the concrete into shape.

The forms for all concrete work to be neatly constructed from strong materials, and shall be true to lines, dimensions, and shape given for the different structures.

The work will be stake out by the Engineer and his stakes must be carefully preserved and followed. The digging of each and every portion of the ditch must begin at its outlet and proceed, or its junction with another tile drain and proceed toward its upper end.

The ditch to be dug along one side of the line of survey stakes and sufficient distance from them to not disturb them, and cut in a straight and neat manner. In taking out the last draft the blade of the spade must not go deeper than the grade line. The ditch must be dug accurately as set and true to grade at the depth indicated by the surveyors-stake figures given by the Engineer, measured from the grade stakes.

The laying of the tile must begin at the lower end and proceed up stream. The tile must be laid as closely as practicable and in a line free from irregular cracks, the piece being turned about until the upper closes, unless there is sand or fine silt which is likely to run into the trench-in-tile, in which case the lower edge must be laid close and the upper side covered with clay or other material. When making turns or by other unavoidable reasons, a crack of one fourth inch or more is necessarily left, it must be covered with broken pieces of tile or other indestructible material, junctions with branch lines must be carefully and securely made. After the tile have been laid and inspected by the Engineer or his representative, they must be covered with the earth excavated from the trench, or with borrowed clay or soil, where where said trench does not afford sufficient material, and in no case less than two feet in depth over the tile in new cuts.

And where said drain is an open open channel the filling shall be to a depth of not less than two feet above the top of the tile, for the full length- width of said channel, in no case must the tile be covered with sand without other materials being first used and in no case will boulders or heavy rock that may in time come in contact with the tile be allowed in the trench filling. The ditch contractor must assume all risk from the caving-in of the ditch, and when each ditch is completed it must be free from sand and mud before it will be received and paid for in full. In case it is found impracticable by reason of bad weather or other unlooked for trouble in digging the ditch or in properly laying the tile to complete the work in the time specified in the contract, the time may be extended as-ma-y-n may be mutually agreed upon by the Contractor and the Engineer. The contractor shall use all necessary precaution to secure his work from injury while he is constructing the ditch. All tile and other material used in the construction of this drain and its tributaries thereto, included in the requirements of these specifications shall be first class in every respect and subject to the rigid inspection of the Engineer.

The Engineer shall have the authority to layout and direct the work, and to inspect and supervise the same during the construction and completion to see that it is properly done in accordance with the specifications and contract, and his instructions shall be fully carried out.

Profile of R.F. Castetter Drain.

Station	Hub Cut	Yardage	Station	Hub Cut	Yardage
0	7.00	0	61	6.32	5
1	6.95	5	62	4.54	10
2	6.90	10	63	5.78	15
3	6.85	15	64	4.28	20
4	6.80	20	65	4.87	25
5	6.75	25	66	4.11	30
6	6.70	30	67	4.32	35
7	6.65	35	68	4.32	40
8	6.60	40	69	3.30	45
9	6.55	45	69+89	2.40	49
10	6.50	50			992
11	6.45	55			<u>Total 5111.00</u>
12	6.40	60			
13	6.35	65			
14	6.30	70			
15	6.25	75			
16	6.20	80			
17	6.15	85			
18	6.10	90			
19	6.05	95			
20	6.00	100			
21	5.95	105			
22	5.90	110			
23	5.85	115			
24	5.80	120			
25	5.75	125			
26	5.70	130			
27	5.65	135			
28	5.60	140			
29	5.55	145			
30	5.50	150			
31	5.45	155			
32	5.40	160			
33	5.35	165			
34	5.30	170			
35	5.25	175			
36	5.20	180			
37	5.15	185			
38	5.10	190			
39	5.05	195			
40	5.00	200			
41	4.95	205			
42	4.90	210			
43	4.85	215			
44	4.80	220			
45	4.75	225			
46	4.70	230			
47	4.65	235			
48	4.60	240			
49	4.55	245			
50	4.50	250			
51	4.45	255			
52	4.40	260			
53	4.35	265			
54	4.30	270			
55	4.25	275			
56	4.20	280			
57	4.15	285			
58	4.10	290			
59	4.05	295			
60	4.00	300			
61	3.95	305			
62	3.90	310			
63	3.85	315			
64	3.80	320			
65	3.75	325			
66	3.70	330			
67	3.65	335			
68	3.60	340			
69	3.55	345			
70	3.50	350			
71	3.45	355			
72	3.40	360			
73	3.35	365			
74	3.30	370			
75	3.25	375			
76	3.20	380			
77	3.15	385			
78	3.10	390			
79	3.05	395			
80	3.00	400			
81	2.95	405			
82	2.90	410			
83	2.85	415			
84	2.80	420			
85	2.75	425			
86	2.70	430			
87	2.65	435			
88	2.60	440			
89	2.55	445			
90	2.50	450			
91	2.45	455			
92	2.40	460			
93	2.35	465			
94	2.30	470			
95	2.25	475			
96	2.20	480			
97	2.15	485			
98	2.10	490			
99	2.05	495			
100	2.00	500			
101	1.95	505			
102	1.90	510			
103	1.85	515			
104	1.80	520			
105	1.75	525			
106	1.70	530			
107	1.65	535			
108	1.60	540			
109	1.55	545			
110	1.50	550			
111	1.45	555			
112	1.40	560			
113	1.35	565			
114	1.30	570			
115	1.25	575			
116	1.20	580			
117	1.15	585			
118	1.10	590			
119	1.05	595			
120	1.00	600			
121	0.95	605			
122	0.90	610			
123	0.85	615			
124	0.80	620			
125	0.75	625			
126	0.70	630			
127	0.65	635			
128	0.60	640			
129	0.55	645			
130	0.50	650			
131	0.45	655			
132	0.40	660			
133	0.35	665			
134	0.30	670			
135	0.25	675			
136	0.20	680			
137	0.15	685			
138	0.10	690			
139	0.05	695			
140	0.00	700			
141	0.00	705			
142	0.00	710			
143	0.00	715			
144	0.00	720			
145	0.00	725			
146	0.00	730			
147	0.00	735			
148	0.00	740			
149	0.00	745			
150	0.00	750			
151	0.00	755			
152	0.00	760			
153	0.00	765			
154	0.00	770			
155	0.00	775			
156	0.00	780			
157	0.00	785			
158	0.00	790			
159	0.00	795			
160	0.00	800			
161	0.00	805			
162	0.00	810			
163	0.00	815			
164	0.00	820			
165	0.00	825			
166	0.00	830			
167	0.00	835			
168	0.00	840			
169	0.00	845			
170	0.00	850			
171	0.00	855			
172	0.00	860			
173	0.00	865			
174	0.00	870			
175	0.00	875			
176	0.00	880			
177	0.00	885			
178	0.00	890			
179	0.00	895			
180	0.00	900			
181	0.00	905			
182	0.00	910			
183	0.00	915			
184	0.00	920			
185	0.00	925			
186	0.00	930			
187	0.00	935			
188	0.00	940			
189	0.00	945			
190	0.00	950			
191	0.00	955			
192	0.00	960			
193	0.00	965			
194	0.00	970			
195	0.00	975			
196	0.00	980			
197	0.00	985			
198	0.00	990			
199	0.00	995			
200	0.00	1000			
201	0.00	1005			
202	0.00	1010			
203	0.00	1015			
204	0.00	1020			
205	0.00	1025			
206	0.00	1030			
207	0.00	1035			
208	0.00	1040			
209	0.00	1045			
210	0.00	1050			
211	0.00	1055			
212	0.00	1060			
213	0.00	1065			
214	0.00	1070			
215	0.00	1075			
216	0.00	1080			
217	0.00	1085			
218	0.00	1090			
219	0.00	1095			
220	0.00	1100			
221	0.00	1105			
222	0.00	1110			
223	0.00	1115			
224	0.00	1120			
225	0.00	1125			
226	0.00	1130			
227	0.00	1135			
228	0.00	1140			
229	0.00	1145			
230	0.00	1150			
231	0.00	1155			
232	0.00	1160			
233	0.00	1165			
234	0.00	1170			
235	0.00	1175			
236	0.00	1180			
237	0.00	1185			
238	0.00	1190			
239	0.00	1195			
240	0.00	1200			
241	0.00	1205			
242	0.00	1210			
243	0.00	1215			

Estimated cost of construction including,
 Material, Labor, Hauling, etc.,
 Necessary for the completion of the work in
 accordance with the plans and specifications.

Main ditch.

Station	to	0 to 16+68	556.46	X
Station	to	16+68 to 22+7	202.04	✓
Station	to	22+7 to 38+19	712.75	X
Station	to	38+19 to 47+57	775.48	✓
		47+57 to 69+89	2168.00	✓
Arm number 1.				
Station	to	0 to 12+83	402.36	X
Arm number 2.				
Station	to	0 to 6+25	221.65	✓

~~Estimated expenses including, Total 5038.74~~

- Catch Basins
- Connecting Boxes
- Flumes

Estimated Expenses including, Total \$5038.74

- Attorneys Fee
- Recording & Releasing
- Legal Printing
- Superintendent of construction
- Court expenses etc.....
- Contingency fund

Total 709.26

We claim for services, expenses & mileage, to date for,

<i>Clara C. ...</i>	Drainage Commissioner.....	\$ 20.00
<i>Robert ...</i>	Viewer	\$ 20.00
<i>J. P. ...</i>	Engineer & Helpers	40.00
		80.00
	Total	70.00 80.00
	GRAND TOTAL	\$5748.00

9 20 1

No.	NAMES	DESCRIPTION OF LANDS	Section	Township	Range	Acres Assessed		Acres Benefited		Amt. of Assessm't		Totals	
						A	Hun	A	Hun	\$	Cts	\$	Cts
	T. A. Beaver	NE NE NE	1	17	4	1.00				8.00		8.00	
	N. G. Manship	Pt. NW NW	1	17	4	4.00				32.00		32.00	
	Luther Johnson (Wife)	S $\frac{1}{2}$ S $\frac{1}{2}$ SW SE	36	18	4	.50				4.00		4.00	
	W. H. Olvey	S $\frac{1}{2}$ S $\frac{1}{2}$ SW SE	36	18	4	2.00				16.00		16.00	
	Albert Clawson	Pt. SW SE SE	36	18	4	.25				4.00		4.00	
	Malinda Cox	Pt. SE SE	36	18	4	.25				4.00		4.00	
	Benj. Kenaga	Pt. SE SE	36	18	4	.50				8.00		8.00	
	Corporation of Fishers Ind.									40.00		40.00	
	Geo. W. Hack	Pt. E $\frac{1}{2}$ SE	36	18	4	39.50				987.50			
	"	Pt. SW SE	36	18	4	32.00				800.00			
	"	Pt. NW SE	36	18	4	17.00				238.00			
													2025.50
	B. F. Castetter	W $\frac{1}{2}$ N $\frac{1}{2}$ E SE	36	18	4	15.50				387.50			
		Pt. E NE & Pt. W NE	36	18	4	58.50				702.00			
													1089.50
	J. P. Heath	Pt. N side N $\frac{1}{2}$ SW	31	18	5	12.00				78.00		78.00	

No.	NAMES	DESCRIPTION OF LANDS	Section	Township	Range	Acres Assessed		Acres Benefited		Amt. of Assessm't		Totals	
						A	Hun	A	Hun	\$	Cts	\$	Cts
	John Young	NE SW	31	18	5	40.00					240.00		
	"	NW SW	31	18	5	32.00					224.00		
	"	Pt. NW	31	18	5	23.00					106.00		
													570.00
	Wm. C. Haywood & Walter E. Rich	Pt. NW SE	31	18	5	20.00					150.00		
		Pt. S S $\frac{1}{2}$ NE	31	18	5	26.00					104.00		
													254.00
	L. M. Church	Pt. NE	31	18	5	42.00					168.00	168.00	
	A. T. Clark	Pt. W $\frac{1}{2}$ NE	31	18	5	15.00					60.00		
	"	Pt. NW E of RR	31	18	5	65.00					260.00		
	"	Pt. NW W of RR	31	18	5	40.00					160.00		
													480.00
	Isaac Dayton or Mollie ^{Mary E.} Mc Daniel												
	"	Pt. SW NW W of RR	31	18	5	13.20					189.00		
	"	Pt. NW SW W of RR	31	18	5	6.80					136.00		
													325.00
	Lake Erie & Western R.R. Company		36	18	4						150.00	150.00	
		Benefit to right of way	31	18	5								
	Delaware Township	Benefit to Highways									25.00		
		E & W S line of	36	18	4						150.00		
		N & S E line of	36	18	4								175.00
	Susan Arthur	NE NE	36	18	4	5.00		5.00					
		E $\frac{1}{2}$ E $\frac{1}{2}$ E $\frac{1}{2}$ NE	36	18	4	20.00		16.00					317.00
													<u>5748.00</u>
													GRAND TOTAL

STATE OF INDIANA)
HAMILTON COUNTY) SS

We the undersigned viewers and Engineer to whom was referred the above entitled petition for report, after being duly sworn, upon oath say that we have personally examined the whole line and route of said proposed ditch, that the assessments herein made and reported are correct, just and equitable to all parties herein named as interested, that no other lands will be benefitted or injured by said proposed drain, and that the above and foregoing report is true as in substance and in fact as we verily believe.

Clark Coffin
.....
Viewer

W. J. Craig
.....
Viewer

J. A. Shannon
.....
Engineer

Subscribed and sworn to before me this *15* day of *October* 19 *19*

Chas. J. Newby
.....
Clerk Auditor of Hamilton Co.

(11)