

Drain: TAISTLEWATE Drain #: 296
Improvement/Arm: ARMED RAILROADS
Operator: J. LIVINGSTON Date: 7-13-04
Drain Classification: Urban/Rural Year Installed: 1889

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

J. Livingston
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J. Livingston

**Gasb 34 Footages for Historical Cost:
Drain Length Log**

Drain-Improvement: THISTLEWAITE - AARON RAWLINGS

Drain Type:	Size:	Length	Length (DB Query)	Length Reconcile	If Applicable	
					Price:	Cost:
TILE	10"	5340'	5137'	-203	3 ⁰⁰ "/ft	15,411 ⁰⁰
	18"	1560'	1560'		6 ⁵⁰ "/ft	10,140 ⁰⁰

Sum: 6900' 6697' -203' \$25,551⁰⁰

Final Report: _____

Comments:

203' OF 10" TILE ABANDONED DUE TO PICKARD RELOCATION

SPECIFICATIONS FOR THE REPAIR OF THE
AARON RAWLINGS TILE DITCH

Date of Letting Nov 18th 1955 1 PM Day after Survey
Awarded to Bob Hodgens
Charles H. Hill, Inc.

NOTICE TO CONTRACTORS

Notice is hereby given that the undersigned Surveyor of Hamilton County, Indiana, will on the 18th day of November, 1955, receive sealed bids up to 1:00 p.m. Daylight Saving Time, for the Arron Rawlins Tile Drain repair as per specifications now on file in the Surveyors office in the Court House in Noblesville, Indiana.

Said ditch is located in Adams Township approximately $\frac{3}{4}$ miles West and $\frac{1}{2}$ miles South of Sheridan, Indiana.

Each bid to be accompanied by a certified check for \$500.00 or a Bidders Bond to guarantee acceptance of contract if so awarded and successful bidder shall furnish a Surety Company Contract Bond in a sum equal to the full contract price. The Surveyor reserves the right to accept or reject any and all bids and waive any informalities in bidding.

Roy D. Horney,
Surveyor of Hamilton County, Ind.
Dated November 4, 1955 Nov.5-12.

SPECIFICATIONS FOR THE REPAIR OF THE
AARON RAWLINGS TILE DITCH

Located in Adams Township, Hamilton County, Indiana, 3/4 mile West and 1/2 mile South of Sheridan, Hamilton County, Indiana.

The ditch begins near the Northwest corner of the Northwest $\frac{1}{4}$ of Section 8, Twp. 19 N, R 3 E, thence in a Westerly and Northwest-erly course terminating in a Headwall on the Stall open drain near the Northeast corner of the West $\frac{1}{2}$ of Section 6, Twp. 19 N, R 3 E.

The ditch consists of 3 rows of 10" tile laid side by side from Headwall Southeasterly terminating in a Junction Box approxi-mately 1560 ft. From Junction Box 3 - 10" arms fan out North-easterly, southerly and Southwesterly. All are in bad repair and will be cheaper and a better job to replace the 3 rown with one row of 18" tile by the side or near the old ditch. and repair arms as required

At Junction Box correct and repair by raising Box to top of ground and place 18" cone shape grating on top; where new tile crosses old ditch, connect the two together either with tile fittings or cemented Junction to satisfaction of Engineer or Assistant.

The arms, examine and repair any places required. Also install any open inlets that may be required by Engineer.

Clear and remove any trees, shrubs 25 Ft. from each side of tile.

Contractor to move and replace any fences required for this construction of ditch, and be responsible for any unnecessary damage to fences.

Cement, Clay or Shale tile are acceptable. All tile to meet A.S.T.M. specification requirements. 1 pc. 21" corrugated pipe

2 1/2 ft. long - 1560 lineal ft. more or less - 18" tile in place 1 or more connections.

PROFILE FOR Aaron Rawlins Tile Drain

Cut.

Sta.	Top stake ,	invert. of tile
0	5.65	1.0 ft. below tile in out let.
1	6.40	
2	6.20	
3	7.10	
+ 85	8.00	Ctr. Highway
4	8.00	
5	8.48	
6	9.05	
7	7.68	
8	7.17	
9	9.26	
10	8.06	
11	7.84	
12	7.74	
13	7.05	
14	6.47	
15	5.47 5.74	
+ 65	5.22	1.0 ft. below old tile in box.

Grade .2 %

B=M. Ele. 50.00 Top Headwall at out let

Contractor to check grades and cuts before starting work.

Repair Jet Box and grating

Repair arms - 100 lineal ft. 10" more or less.

Ditch to be cut straight and true to grade 6" larger than the largest diameter of tile. All tile to be laid straight and tight joints. Where joints require cover with tar paper and cover enough to hold until inspected by the Engineer or his authorized Assistant.

When approved by Engineer or assistant, the contractor shall fill this ditch.

All work to be done in a neat and workman like manner.

Each bidder shall furnish references as to his experience also the type of machine or equipment he expects to use. Also when he will start job and date of completion.

SUMMARY

24 lineal ft. 21" corrugated pipe	\$ 75.00
^{15-30'} 1569 lineal ft. + or - 18" Tile - in place complete	\$2652.00
³⁰ " " " 18" Ramped Pipe	
1 or more connections @	\$ 50.00
Repair Jct. Box and grating	\$ 50.00
Repair arms 100 lineal ft. + or -	\$ 200.00
Misc. expense - Eng. - Part Repair	\$ 250.00
	<hr/>
	\$3277.00

All bids to be on a unit price per lineal ft. complete.

The contractor to furnish all labor, material & equipment to make a complete job.

Authority Sec. 6 - Page 1053 Acts of Indiana General Assembly - 1935.

Ray D. Honney
ROY D. HONNEY, County Surveyor

Hamilton County

AARON RAWLINS DRAIN-

14.85

NAMES	DESCRIPTION OF LANDS	Section	Township	Range	Acres Assessed		Acres Benefited		Amount of Benefits		Amount of Assessment		Total Assessment	
					A	Hun	A	Hun	\$	Cts.	\$	Cts.	\$	Cts.
John W Pickett	pt. n.w. n.w. 8	19	3		20.0						302.00	279	70	
Annas Leap.	pt. n.e. n.e. 7	19	3		40.0						604.00	558	80	
Floyd Hayes	n.w. n.e. 7	19	3		40.00						604.00	558	80	
Carrie Hand	s.w. n.e. 7	19	3		5.0						75.50	69	85	
	n.e. n.w. 7	19	3		390.00						453.00	419	10	
O.C. Walker	s.e. s.e. 6	19	3		5 ⁰⁰ 200						79 ²⁵ 200.50	69	85	
Fred Stahl	s.w. s.e. 6	19	3		20.00						302.00	279	70	
	s.e. s.w. 6	19	3		40.00						604.00	558	80	
Geo. Hayes.	s.w. s.w. 5	19	3		3.00						45.30	41	93	
Ralph Furgeson	s.w. s.w. 5	19	3		62						9.36	8	66	
Hamilton County Highways.	n and s bet. 7 and 8													
	e and w bet 6 & 7													
	n & s e & w bet 6 19 3										51 ⁰⁰	35	00	
Total acres											3-3277.00			
					203.60						3129.75			
					203.62							2880	19	
					144									
												3079	16	

Report of Commissioners.

FAVORABLE.

Rawlings Drain.

FILED

MAR 20 1889

Ira W. Christian
CLERK OF THE HAMILTON CIRCUIT COURT,
HAMILTON CO., IND.

1-4-89
1889

Filed *March 20, 1889.*

Ira W. Christian
Clerk Circuit Court.

Wm. B. Eurford, Printer, Indianapolis.

REPORT OF COMMISSIONERS.

To the Honorable Judge of the Hamilton Circuit Court:

The undersigned, Commissioners of Drainage, to whom was referred the petition of Claron Rawlings for the drainage of the south half of the north west quarter of the north west quarter, and the north half of the south west quarter of the north west quarter, all in Section Township 19 north Range 3 east, also the south half of the south west quarter of the north west quarter of the above named Section Township and drained

in Hamilton County, respectfully report that they have inspected personally all the lands described in said petition, and all other lands liable to be affected by the construction of the proposed work, and are of the opinion that the proposed drainage will be practicable, will improve the public health of that neighborhood, will be of public utility, will improve three public highways, and that the same can be constructed at an expense less than the aggregate benefits to the lands to be affected. thereby, and after causing the necessary surveys and examinations to be made, they are of the opinion that the method of drainage should be as follows. to wit

They estimate the cost of constructing the work at \$ 807.90 dollars. They further report that they have estimated the benefits and injury

to the several tracts of land which will be affected by the work, as follows:

OWNERS.	DESCRIPTION.	S.	T.	R.	Acres.	Improvement Acres benefited	Benefit.
Aaron Rawlings	NE - SW	8	19	3	40	7.	\$24.50
Same	N 1/2 SW. NW	8	19	3			
Same	S 1/2 NW NW	8	19	3	40	13.	45.50
Ann Barnes	NE. NW NW	8	19	3	10	10	50.00
C.B. Gilliam	NW NW NW	8	19	3	10	10	45.00
Eber Peter	SW SW	8	19	3	40	15	60.00
James Leap	NE. NE.	7	19	3	40	30	127.50
Aaron Rawlings	NW. NE.	7	19	3	40	40	150.00
Same	SW. NE.	7	19	3	40	15	60.00
John C. Driggs	SE SE	6	19	3	40	20	70.00
David Thomas Havel	NE NW	7	19	3	40	35	140.00
Same	SE NW	7	19	3	40	5	15.00
John Stahl	SW SE	6	19	3	40	34	153.00
Same	SE SW	6	19	3	40	34	136.00
Jody Pittman	NE SW	6	19	3	40	10	40.00
W. H. Cox	NW SW	6	19	3	39 3/100	3	12.00
				Except 1/2 acre out NE cor.			
Adams Township Public Highway	NOS bet	7	18	3			
Same	SW NW "	6	17	3			60.00
Same	NOS bet, SW 1/2 SW 1/2	6	19	3			
						\$	1218.50

All of which is respectfully submitted.

Eli Stalker
 A. J. Cullingham
 James B. Baker

Commissioners.

By the construction of a ditch beginning
Two hundred and twenty-four feet west of the
South East corner of the north half of the
north west quarter of the north west
quarter of Section Eight, Township Nineteen,
North, Range Three East in Hamilton County,
and run thence $N 15^{\circ} W$ 300 feet, thence $N 75^{\circ} W$
350 feet thence $N 55^{\circ} W$ 150 feet, thence $S 81^{\circ} W$
400 feet, thence $S 55^{\circ} W$ 300 feet, thence $S 83^{\circ} W$
850 feet, thence $N 47^{\circ} W$ 350 feet, thence
 $N 70^{\circ} W$ 200 feet, thence $S 87^{\circ} W$ 700 feet,
thence $N 50^{\circ} W$ 650 feet, thence $N 24^{\circ} W$ 850 feet,
thence $N 30^{\circ} W$ 400 feet, thence $N 57^{\circ} W$ 400 feet,
thence $N 90^{\circ} W$ 400 feet, thence $N 55^{\circ} W$ 600 feet.
And intersects Eagle creek ditch 2 rods
north and $2\frac{1}{2}$ rods west of the south east
corner of the north west quarter of the
south west quarter of Section 6 Township
19 North, Range 3 East

Said ditch to be tiled with one row of ten
inch tile from Stake 0 to Stake 42.

Two rows of 10 inch ^{tile} from Stake 42 to Stake 57.

Three rows of 10 inch tile from Stake 57 to terminus.

The bottom to be well surfaced, tiled laid,
and ditch left open until inspected.

All timber along line - to be deadened 16 feet
from either side of ditch.

Engineers Report.

No. of Station.	Depth of Cut.	Width on Top.	Width in Bottom.	No. of Cubic Yards to be Removed.	Price per Cubic Yard.	Total Cost per Station.
BM	4.8	" Walnut 9 East.				
0	4.0	18 in	14 in			
1	3.8	"	"	22	12 1/2	\$8.60
2	2.9	"	"	19	"	8.23
3	3.2	"	"	19	"	8.23
4	3.7	"	"	19	"	8.23
5	4.2	"	"	22	"	8.60
6	4.1	"	"	23	"	8.73
BM	4.8	" Hickory 7 ft south				
7	4.1	"	"	23	"	8.73
8	3.5	"	"	21	"	8.48
9	3.6	"	"	20	"	8.35
10	3.5	"	"	19	"	8.23
11	3.3	"	"	19	"	8.23
12	3.2	"	"	19	"	8.23
13	3.8	"	"	19	"	8.23
14	3.1	"	"	19	"	8.23
15	2.6	"	"	16	"	7.85
16	2.4	"	"	14	"	7.60
17	2.7	"	"	14	"	7.60
18	3.2	"	"	17	"	7.98
BM	3.4	" Hickory 7 ft south				
19	2.7	"	"	17	"	8.23
20	3.3	"	"	17	"	8.98
21	3.2	"	"	18	"	9.10
22	3.3	"	"	19	"	9.23
23	3.3	"	"	19	"	9.23
BM	3.8	" Ash 9 ft North.				
24	1.2	"	"	12	"	7.60
25	4.0	"	"	5	"	6.48
26	3.7	"	"	5	"	6.48

No. of Station.	Depth of Cut.	Width on Top.	Width in Bottom.	No. of Cubic Yards to be Removed.	Price per Cubic Yard.	Total Cost per Station.
27.	3.0	18 in.	14 in	5.	1.24	6.48
28.	3.5	"	"	14.	"	7.60
29.	2.6	"	"	17.	"	7.98
30.	2.5	"	"	14.	"	7.60
31.	2.7.	"	"	14.	"	7.60
32.	3.1	"	"	16.	"	7.85
✓ 33.	3.6	"	"	19.	"	8.23
34.	3.5	"	"	19.	"	8.23
35.	3.9	"	"	20.	"	8.35
36.	4.1	"	"	12.	"	7.35
37.	4.1	"	"	9.	"	6.98
38.	4.1	"	"	9.	"	6.98
39.	4.5	"	"	9.	"	6.98
40.	4.5	"	"	9.	"	6.98
41.	4.7	"	"	9.	"	6.98
42.	5.4	"	"	9.	"	6.98
B.M.	4.1	Maple stump 20 ft mark.				
43.	3.4	32 "	28 "	24	"	14.35
44.	3.6	"	"	33.	"	15.48 ⁵⁷ / ₄₃
45.	3.7	"	"	33.	"	15.48
46.	3.8	"	"	35.	"	15.73
47.	5.0	"	"	24.	"	14.35
48.	4.9	"	"	20.	"	13.85
49.	5.0	"	"	20.	"	13.85
50.	4.5	"	"	20.	"	13.85
51.	4.5	"	"	20	"	13.85
52.	4.3	"	"	20	"	13.85
53.	4.2	"	"	20	"	13.85
54.	4.7	"	"	20	"	13.85
55.	4.2	"	"	20	"	13.85
56.	5.8	"	"	20	"	13.85
57.	5.6.	"	"	20	"	13.85

No. of Station.	Depth of Cut.	Width on Top.	Width in Bottom.	No. of Cubic Yards to be Removed.	Price per Cubic Yard.	Total Cost per Station.
B.M.	6.4	Hickory 12 ft wide				
58.	5.8	42 in	42 in	28	17 1/2	\$ 21.25
59	5.8	"	"	28	"	21.25
60.	5.5	"	"	28	"	21.25
61.	6.2	"	"	28	"	21.25
62.	5.9	"	"	28	"	21.25
63.	4.6	"	"	32	"	20.75
64.	5.4	"	"	65	"	24.88
65	4.7	"	"	66	"	25.00
66.	5.1	"	"	50	"	23.00
67.	5.0	"	"	16.	"	18.75
68.	4.7	"	"	16.	"	18.75
B.M.	5.6	Hickory 12 ft wide				
69	3.8	"	"	16	"	18.75
		Total		1410		\$ 802.90

256.10

J. G. Battineham
 Engineer.

30 in from 0 to 20

The following is a list of fees claimed.

J. C. Attingham	5 days	Engineer	\$ 20.00
Eli Stalker	4	" Commissioner	12.00
J. B. Baker	4	" "	12.00.
J. O. Clark	2	" Rodman	3.00
James Leap	1	" Chairman	1.50
William Rawlings	1	" "	1.50
John Leap	1	" Assessor	1.50
Expense of Survey & Report			\$ 51.50

STATE OF INDIANA,

Monroe County, } ss :

We, the undersigned, Commissioners of Drainage, swear that we have each personally examined each tract of land assessed for benefits and damages and the whole route of the proposed work, and that such drain is of sufficient capacity to carry, without overflowing, all the water which flows or should flow along such route, that no other lands than those described in this report will be either benefited or damaged by the construction of the proposed work, and that all the statements therein are true and correct, and that all assessments of benefits and injuries set forth therein are correct, just, fair and equitable to all parties concerned, as we verily believe.

Eli Stalker
J. Cunningham
James B Baker

Commissioners.

Subscribed and sworn to by said Commissioners, this 20 day of March, 1889, before me.

Ira W. Christian

Clerk Circuit Court.

J. J. Warburton Contract on Rawlings Ditch
to 43+07 ft. & 07 to 69 = \$558.90-

J. Stahl Contract on Rawlings Ditch
From Stake 43+07 ft. to stake 07 = \$176.05-

The Cost of Construction = 66% Ass. Rev.
Con. price = 9 1/2% Est Cost of Const.

7:55