

**Drain:** JM ENDICOTT      **Drain #:** 266  
**Improvement/Arm:** SAMUEL HERSHMAN  
**Operator:** J. LIVINGSTON      **Date:** 12-10-03  
**Drain Classification:** Urban/Rural      **Year Installed:** 1883

### 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 JL
- 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

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

Drain-Improvement: JM ENDICOTT - SAMUEL HERSHMAN

Drain Type:	Size:	Length ( )	Length (DB Query)	Length Reconcile	If Applicable	
					Price:	Cost:
	12"	1700'	1700'		4. <sup>00</sup> /lf	6800. <sup>00</sup>
	15"	3555'	3555'		5. <sup>00</sup> /lf	17775. <sup>00</sup>
OPEN DITCH	—	1510'	1510'		19. <sup>55</sup> /lf	29520. <sup>50</sup>
TOTAL		6765'				
ARM 1-TILE	5"	333'	333'		1. <sup>00</sup> /lf	333. <sup>00</sup>
ARM 2-TILE	4"	273'	273'		1. <sup>00</sup> /lf	273. <sup>00</sup>

Sum: 7371'      7371'      \$54701.<sup>50</sup>

Final Report: 6765'

Comments:  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

*56425*

**Report of Commissioners.**

FAVORABLE.

*John Sewall  
Geo. Poland  
Ditch*

*5714  
360  
17*

*R. ...*

**FILED**

NOV 23 1883

*W. H. Evans*  
Clerk Hamilton Co.

, 188

Clerk Circuit Court.

*8-188*

**REPORT OF COMMISSIONERS.**

To the Honorable Judge of the Hamilton Circuit Court:

The undersigned, Commissioners of Drainage, to whom was referred the petition of John Deane & Geo Tolman for the drainage of 25 acres off of the East side of the NW. SE Section 4 Township 20 North of Range 3 East Also the NE 1/4 of the SE 1/4 also N 1/2 SE 1/4 Section 4 Township & Range aforesaid Also the S 1/2 NW. SW. S 1/2 4-20-3

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 of public utility, will benefit the public health of that vicinity will benefit two public highways, and that the same can be accomplished at an expense less than the aggregate benefits to the lands likely to be affected thereby and after causing the necessary survey & examinations to be made are of the opinion that the method of drainage should be as follows. To begin 30 rods west of the NE corner of the SE 1/4 S 4.20-3 at a stake marked 0 and run East 3950ft, N 61 1/2 E 50ft, N 57 W 560ft, N 85 E 640ft, N 46 E 700ft, N 45 E 400ft, N 2 E 650ft, East 235ft N 17 1/2 E 295ft N 53 1/2 E 320ft terminate 12 rods SE 1/4 NW 1/4 3-20-3. Said ditch to begin at stake 0 at a depth of 2.4 ft wide in bottom 9.8ft wide in top to gradually deepen & widen the depths being regulated by the undulations in the ground and the width at top being always twice the depth plus the width in bottom. The ratio of descent is 0 to 20 <sup>10</sup> to 100ft 20 to 56 <sup>15</sup> to 100ft 56 to 78 <sup>20</sup> to 100ft

They estimate the cost of constructing the work at 834.

50 dollars. They further report that they have estimated the benefits and injury 100

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

OWNERS.	DESCRIPTION.	S.	T.	R.	Acres.	Injury.	Benefit.
Geo Poland	W E E O	4	20	3	40		\$160.00
"	N E O E O	4	20	3	2.0		60.00
"	W N O N O	4	20	3	5		100.00
Olwood Hershman	E O N W	4	20	3	40		100.00
Sam Hershman	W E O W	4	20	3	40		80.00
R. J. Oagle	W N O E O	4	20	3	20		100.00
"	W E O N O	4	20	3	10		45.00
Levi Oagle	W N O W	3	20	3	40		55.00
Nancy A. J. Gasper Burkhardt	O W O W	3	20	3	40		65.00
Sarah Metsker	W E O W	3	20	3	40		15.00
Eliza Small	E O N W	3	20	3	40		25.00
J. J. Mc Murtry	W E O W	3	20	3	40		20.00
W. B. Miles	O W O W	4	20	3	40		15.00
J. J. Hershman pt	W N O E O <small>10 ft long on inside</small>	4	20	3	15		40.00
John Lee pt	W N O E O <small>25 ft long on East side</small>	4	20	3	25		130.00
Geo. Small	O W O W	3	20	3	40		15.00
Adams 1/2 highway N E	between	3	20	3			35.00
" " " " O W	in center of	3	20	3			30.00
Total Assessment							\$1000.00

All of which is respectfully submitted.

Commissioners.

No. of Station.	Depth of Cut.	Width at Bottom.	Width at Top.	No. Cubic Yards.	Cost per Cubic Yard.	Cost per	Section.	No. of Station.	Depth of Cut.	Width at Bottom.	Width at Top.	No. Cubic Yards.	Cost per Cubic Yard.	Cost per	Section.
0	4.4	1ft	9.8	12 1/2				33	3.7	1ft	8.4	64	12 1/2	8	00
1	3.8	1	8.6	77	"	9	62 1/2	34	2.8	1	6.6	49	"	6	12 1/2
2	3.5	1	8.0	61	"	7	62 1/2	35	4.4	1	9.8	41	"	5	12 1/2
3	3.4	1	7.8	55	"	6	87 1/2	36	6.3	1	13.6	48	"	6	00
4	2.5	1	6.0	42	"	5	25	37	4.9	1	10.8	76	"	9	50
5	3.2	1	7.4	39	"	4	87 1/2	38	4.0	1	9.0	58	"	7	25
6	3.4	1	7.8	50	"	6	25	39	3.6	1	8.2	47	"	5	87 1/2
7	3.2	1	7.4	50	"	6	25	40	3.8	1	8.6	44	"	5	50
8	3.7	1	8.4	55	"	6	87 1/2	41	4.1	1	9.2	50	"	6	25
9	3.4	1	7.8	58	"	7	25	42	4.0	1	9.0	44	"	5	50
10	3.5	1	8.0	58	"	7	25	43	4.5	1	10.0	49	"	6	12 1/2
11	3.2	1	7.4	55	"	6	87 1/2	44	4.5	1	10.0	61	"	7	62 1/2
12	3.9	1	8.8	58	"	7	25	45	5.0	1	11.0	69	"	8	62 1/2
13	4.0	1	9.0	70	"	8	75	46	5.4	1	11.8	84	"	10	50
14	4.2	1	9.4	77	"	9	62 1/2	47	5.7	1	12.4	101	"	12	62 1/2
15	5.1	1	11.2	95	"	11	87 1/2	48	5.2	1	11.4	92	"	11	50
16	6.3	1	13.6	141	"	17	62 1/2	49	5.5	1	12.0	88	"	11	00
17	9.9	1	20.8	273	"	34	12 1/2	50	4.8	1	10.6	75	"	9	37 1/2
18	7.7	1	16.4	319	"	39	87 1/2	51	5.0	1	11.0	62	"	7	75
19	5.8	1	12.6	191	"	23	87 1/2	52	5.5	1	12.0	74	"	9	25
20	4.6	1	10.2	119	"	14	87 1/2	53	4.8	1	10.6	115	"	14	37 1/2
21	4.6	1	10.2	95	"	11	87 1/2	54	5.3	1	11.6	115	"	14	37 1/2
22	4.8	1	10.6	99	"	12	37 1/2	55	4.9	1	10.8	115	"	14	37 1/2
23	4.5	1	10.0	95	"	11	87 1/2	56	4.0	1	9.0	88	"	11	00
24	4.3	1	9.6	88	"	11	00	57	4.1	1	9.2	77	"	8	62 1/2
25	4.3	1	9.6	84	"	10	50	58	3.4	1	7.8	64	"	8	00
26	5.5	1	12.0	107	"	13	37 1/2	59	4.3	1	9.6	67	"	7	62 1/2
27	8.1	1	17.2	196	"	24	50	60	4.5	1	10.0	88	"	11	00
28	6.6	1	14.2	224	"	28	00	61	3.8	1	8.6	81	"	10	12 1/2
29	6.1	1	13.2	170	"	21	25	62	6.4	1	13.8	115	"	14	37 1/2
30	4.9	1	10.8	132	"	16	50	63	5.9	1	12.8	160	"	20	00
31	3.9	1	8.8	88	"	11	00	64	4.7	1	10.4	98	"	12	25
32	3.7	1	8.4	67	"	8	37 1/2	65	4.7	1	10.4	74	"	9	25

No. of Station.	Depth of Cut.	Width at Bottom.	Width at Top.	No. Cubic Yards.	Cost per Cubic Yard.	Cost per	Section.	No. of Station.	Depth of Cut.	Width at Bottom.	Width at Top.	No. Cubic Yards.	Cost per Cubic Yard.	Cost per	Section.	
66	4.9	1ft	10.8	78	12 1/2	9	75									
67	4.7	1	10.4	78	"	9	75									
68	4.5	1	10.0	75	"	9	37 1/2									
69	4.3	1	9.6	68	"	8	50									
70	3.7	1	8.4	54	"	6	75									
71	3.8	1	8.6	44	"	5	50									
72	3.3	1	7.6	41	"	5	12 1/2									
73	3.1	1	7.2	34	"	4	25									
74	3.3	1	7.6	34	"	4	25									
75	3.4	1	7.8	35	"	4	37 1/2									
76	3.4	1	7.8	55	"	6	87 1/2									
77	3.6	1	8.2	58	"	7	25									
78	4.7	1	10.4	81	"	10	12 1/2									
<p>Whole number of Cubic yards 6356  Cost of removal at 12 1/2¢  Grubbing &amp; clearing  Total cost of Construction</p>													6356	\$794.50	70.00	\$834.50

STATE OF INDIANA,

*Hamilton* 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.

*James A. McMillan*  
*D. F. Cunningham*  
*S. B. Wells* } Commissioners.

by said Commissioners, this *19th* day  
before me.



No .....

# PETITION FOR DITCH

—BY—

*Samuel A. Kershman*

AND OTHERS.

*Adams* Township.

Recorded in Ditch Record No. .... pp. ....

*Nov 7* Term, *1897*

Petition approved. Ordered that

*J. H. ...*  
*... ..*  
*... ..*

and *... ..*  
be appointed Viewers, and that they meet at the  
point of beginning, within *...*ed, on

*Nov 26 - 1897*  
and proceed, with the County Surveyor as their  
Engineer, to view and report hereon as required  
by the Ditch Law.

President of the Board.

Filed **FILED**, 18

OCT 30 1897

Auditor **CALVIN STURDEVANT** County.

Aud. Hamilton Co.

Attorney for Petitioners.

*Cell 312 - ... ..*

PETITION FOR A DITCH.

STATE OF INDIANA,

COMMISSIONER'S COURT,

*Hamilton* COUNTY, } SS:

TERM, 18 *00*

In the matter of the petition of *Samuel Hershman*, and  
others, for a ditch, drain or watercourse in *Adams* Township,  
*Hamilton* County, Indiana.

To the Honorable Board of Commissioners of said County:

We, *Samuel Hershman and Elwood  
Hershman*

represent that we are land owners in *Hamilton* County, Indiana, and  
pray that your Honorable Board construct a public ditch, drain or watercourse on

the following route, to wit: Beginning at a point *at the northeast  
corner of the southeast quarter of the southwest  
quarter of section four (4) Township twenty  
(20) north range three (3) east of the 2<sup>nd</sup>.  
principle Meridian. Hamilton County Ind.  
run thence in a general East and north  
east direction, in and along <sup>or near</sup> an open  
drain known as the Lee and Folland  
Ditch to a point where said Lee and  
Folland ditch crosses the north line  
of a public Highway running east  
and west through the west half of  
section 3 Tp 20 north Range 3 east,  
And would ask that said ditch be  
tiled as far as practicable*

We are owners of lands that will probably be affected by the construction of the above ditch or drain, and will be assessed for the same.

We believe that the construction of the above ditch or drain will be conducive to the public health and convenience, and will be of public benefit and utility, for the following reasons, to wit:

That along the line of said proposed ditch, drain or watercourse are large amounts of wet lands, marshes, ponds and swamps, in which are decaying vegetable and other kinds of matter; that in hot seasons the waters in said swamps, ponds and marshes become stagnant and dry up, for want of sufficient drainage, and that the unwholesome vapors arising therefrom cause diseases to the inhabitants of your County who live in the vicinity of said proposed ditch, such as malarial fever, ague, etc.

That along the route of said proposed ditch *there is a* public highway *to* that will be affected by the same, and greatly benefited thereby.

That if said ditch be established it will reclaim and make fertile a large amount of otherwise unproductive real estate of your County.

And your petitioners aver that there is ample fall to drain said wet lands, swamps, ponds and marshes by the above described ditch or drain.

And your petitioners further aver that they have filed a bond, conditioned for the payment of expenses incurred herein in case the proposed ditch or drain shall not be established, which bond has been approved by the Auditor; and we pray you appoint viewers, to view and report upon the same, and for further proceedings under the law, and your petitioners will ever pray.

NAMES.

NAMES.

*Samuel A. Hershman*  
*Elwood Hershman*  
*his Wk.*

IN THE MATTER OF

Samuel A. Hershman  
et al.

Or. reg. 26. 1901

Report Approved  
Ditch ordered  
Viewers ordered to meet  
and make final report  
on Feb 23 1901

Henry Carpenter P.R.

Report of Ditch Viewers.

COMMISSIONERS' COURT.

a b

Filed

Dec. 3 1900

Calvin Studebant

Auditor.

Wm. B. Burford, Printer, Indianapolis. 500-2-25-'99.

ENB 13-72 to 75 Inclusion

To the Honorable Board of Commissioners of

Hamilton County, Indiana:

We, the undersigned, appointed by this Court, at its November Reg. Term, 1900, to view a drain described in the certified copy of a petition and order of Court for a ditch, by Samuel A Hershman and others,

handed us by the Auditor, would represent that according to said order we, on the day named therein, to wit: The 26<sup>th</sup> day of November, 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 Ten Hundred and Thirteen  $\frac{79}{100}$  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 will be less than the benefits to be derived therefrom, we believe that said drainage can best be accomplished by a tile and open drains and 2 branches or arms as indicated on page 3 of this report.

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 Assessed.	Acres Assessed.	Acres Assessed.	Acres Assessed.	Acres Assessed.	Amount of Benefits.	Amount of Assessments.	From Station.	To Station.	Feet Long.	Cubic Yards to be Removed	Price per Cubic Yard.	Cost of Construction of Share.
Anderson Coppock	NE	SW	3 20 3	36							144.00	144.00	✓	✓				132.48
2 L. L. Ogle	SW	SW	3 20 3	37							175.00	295.00	✓	✓				271.40
"	SE	SE	4 20 3	30							120.00							
3 M. A. Parson & Wf.	N. pt.	SW	SW	3 20 3	15						70.00	70.00	✓					64.40
4 Isa Bay Mitchell.	pt W.	SW	SW	3 20 3	3						9.00	4.00	✓	✓				8.28
5 Geo Toland	1/2 NE	SE	4 20 3	20							95.00	95.00	✓	✓				87.40
6 Nancy A Eaton	1/2 1/2	SE	4 20 3	5							15.00	15.00	✓	✓				13.60
7 A. H. Manace	SE SE	SE	4 20 3	3														
	Error, Land should not have been listed																	
8 J. A. Lee	1/2 NE	SE	4 20 3	25							119.00	166.00	✓	✓				152.72
"	1/2 SW	SE	4 20 3	10							47.00							
9 J. F. Hillock	1/2 N	SW	NE	9 20 3	2						4.00	4.00	✓	✓				3.68
10 Bert. Hillock	1/2 N	SW	NE	9 20 3	5						10.00	10.00	✓	✓				9.20
11 H. E. Hershman	SE	SW	4 20 3	40							120.00	120.00	✓	✓				110.40
12 S. A. Hershman	1/2 NE	SW	4 20 3	18							54.00	54.00	✓	✓				49.68
13 H. B. Miles	1/2 SW	SW	4 20 3	18							36.00	36.00	✓	✓				33.12
14 T. J. M. Murtry	1/2 NE	SW	9 20 3	25							62.00	62.00	✓	✓				57.04

## Viewers' Report of

Samuel A. Hershman et al. Ditch.

## TABULAR STATEMENT OF ASSESSMENTS, BENEFITS, ETC.

NAMES OF OWNERS.	DESCRIPTION OF LANDS.	Section.	Township.	Range.	Acres Assessed.	Ft'd this Assessed.	Acres Benefitted.	Ft'd this Benefitted.	Amount of Benefits.	Amount of Assessments.	From Station.	To Station.	Feet Long.	Cubic Yards to be Removed.	Price per Cubic Yard.	Cost of Construction of Share.
Adams Township	Highway N & S. bet	3	20	3					15	45.00						41.40
"	E & W Cuts	3	20	3					30							

## Specifications Continued

There shall be one row of 15 inch sewer tile laid across the road at the end of tile beginning in the south gutter line and extending under road and through the wall so placed as to drain the water from the south gutter line of road and so as to cover well under the road and under north gutter, and shall be placed to one side of drain tile <sup>far</sup> enough so as to not interfere with the covering of the drain tile in the proper manner

Also there shall be two joints of sewer tile laid for an outlet of the north gutter line of road placed so as to extend through the wall, said tile to be covered so as to protect the wall.

The sewer tile and ditch to take place of the old wooden culvert now in place across the road; the wooden culvert to be taken out by the Contractor and the grade of the road replaced by filling with earth.

The grading to conform with the cross section of the road and to extend to the wall so as to protect the wall from freezing

All work to be done to the satisfaction of the engineers in charge.

We the viewers would further report that in our opinion it would be impracticable to allot said ditch for construction for the reason that the work can be quicker and better done and more satisfactory to the majority of persons interested, therefore we would recommend that said ditch be sold by the Auditor of the County as provided by law in such cases

Viewers' Report of

Samuel A. Hershman et al 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>By the construction of a ditch. Beginning at the northeast corner of the southeast quarter of the southwest quarter of section four (4) Township twenty (20) north range three (3) east running thence <sup>N 88° E</sup> east from stake 0 to stake 17+30, thence <sup>N 63° E</sup> to stake 41+50, thence <sup>N 00° E</sup> to stake 48+25 thence <sup>N 37 1/2° E</sup> to stake 52+25, thence North to stake 59, thence east to stake 61+45 thence <sup>N 17 1/2° E</sup> to stake 64+45, thence <sup>N 53 1/2° E</sup> to stake 67+65 and terminating in an open drain known as the J. M. Endicott Ditch 12 rods South of the NE corner of SE 1/4 NW 1/4 Section 3 Tp 20 north Range 3 east.</p> <p>Also Arm No 1—Beginning 700 feet east of the NW cor. SW 1/4 Sec 3 Tp 20 north Range 3 east, thence <sup>N 34° E</sup> to stake 0+45 thence <sup>N 4° West</sup> to stake 3+33 and terminating at stake 33+95 on Main Ditch.</p> <p>Also Arm No 2.—Beginning at a point about 675 feet east and 700 feet north of the SW corner of the NW 1/4 of the SW 1/4 of sec 3 Tp 20 north Range 3 east running thence South <sup>38° E</sup> from stake 0 to 273 and terminating in main ditch at stake 36 on M. ditch.</p> <p>Said Main Ditch consists of 1 row of 12" <sup>drain</sup> tile from Stake 0 to Stake 17</p> <p>" " " " " 15" <sup>drain</sup> " " 17 " " 52+43</p> <p>" " " " " 15" <sup>drain</sup> " " 52+43 " " 52+55</p> <p>" " " " " Stone retaining wall at 52+55</p> <p>" " " " " Open drain 1 ft. wide in bottom 52+55 to 67+65.</p> <p>Arm No 1 " " 1 row of 5 inch throughout 339 ft</p> <p>Arm No 2. " " 1 row " 4 " " "</p>							

GENERAL SPECIFICATIONS AND SUGGESTIONS.

The length of the ditch as located is 6765 feet.

The fall of the established grade is 2/100 feet, from Station 0 to Station 53 to 100 feet.

" " " " " 39/100 " " " 53 " " 67+65 " " " "

" " " " " Arm No 1 is

" " " " " " 2 "

The total fall is feet to the

All tile used must be first class in every respect and laid in the ditch at the established grade, in a true line with joints well matched and shall be left uncovered until inspected by the Engineer in charge. after being inspected and accepted by the Engineer the tile must be covered by placing the earth excavated in and over the line of the ditch and in places where this is not sufficient to make a fill of 2 feet over the tile earth must be obtained from banks of ditch or elsewhere to make such fill. In other words in new cuts the ditch must be filled full and all other places to a depth of not less than 2 feet over tile.

The open portion, shall be cut true to the established grade with the side slopes dressed smooth and to a slope of 45° all bushes and briars to be cut and removed from the banks. All timber to be deadened one rod on each side of ditch.

There will be a stone retaining wall 2' x 6' x 16' laid up in mortar made from one part Portland Cement to three parts good sharp sand. built at the end of the tile portion so constructed as to receive the tile at the established grade and one foot above the base of the wall.

J B Zoulke  
Gasper Wise  
John W Knight

Subscribed and sworn to before me, this 3 day of December, 1900  
Calvin Stuedeman Auditor Hamilton County.