

Drain: Benton & Wesley **Drain #:** 41
Improvement/Arm: _____
Operator: J. Livingston **Date:** 1-15-04
Drain Classification: Urban/Rural **Year Installed:** 1923

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

Gasb 34 Footages for Historical Cost
Drain Length Log

Drain-Improvement: BENTON HINESLEY

Drain Type:	Size:	Length ()	Length (DB Query)	Length Reconcile	Price: <small>If Applicable</small>	Cost:
TILE	10"	1050'	1050'		3.25/f	3150.00
*	14"	765'	673'	92'	4.25/f	2860.25
	18"	1638'	1638'		6.25/f	10647.00
	22"	2011'	2011'		9.25/f	18099.00
ARM 1 - TILE	10"	1600'	1600'		3.25/f	4800.00
ARM 2 - TILE	16"	880'	880'		5.50/f	4840.00
ARM 3 - TILE	10"	395'	395'		3.25/f	1185.00

Sum: 8339' 8247' 92' \$ 45581.25

Final Report: 8339'

Comments:

* 92' of 14" TILE ABANDONED for Burial relocation

No. 19361

(orig)

Amended Report of
Viewers & Engineer
IN RE. Petition of
Benton Hinesley, to
Repair Arm No 4, on
Geo Symon Drain.

Filed 27th day of
January 1923.

Accepted and Approved

This day of 192.....

Court

FILED

JAN 27 1923

J. S. Shannon
Clark Hamilton Circuit Court

J. S. SHANNON
County Surveyor

STATE OF INDIANA)
HAMILTON COUNTY)

IN HAMILTON CIRCUIT COURT.

IN THE MATTER OF THE PETITION
OF BENTON HINESLEY, to repair Arm No 4. of the
George Symons, Drain.

Report of the Drainage Commissioners and Engineer,
To the Honorable JUDGE of Hamilton CIRCUIT COURT,
We the undersigned Commissioners of Drainage and the Engineer, to
whom the above entitled petition for Drainage of certain lands, in
Adams Township, Hamilton County, Indiana, was referred to make an
Amended Report, and Report our findings to the Court at the Oct, Term
1922.

Would respectfully Report that we were unable to make said Report at
the time specified; that after having the time extended; we met on
the line of said Drain on the 16th day of January 1923, qualified
and proceeded to View said Drain and lands effected thereby,

After a careful investigation of the conditions of said Drain,
We are of the opinion that said Drain should be constructed, and
in the manner set out below in this report and that the same when
completed will improve the Public health and will reclaim certain
lands, and will be of Public utility, and will benefit several High-
ways, also that the cost of construction, damages and expense of
effecting said Drain will be less than the benefits to the lands
effected by said Drainage,

That we have definitely determined the best and cheapest method of
effecting the Drainage of such lands, we have fixed the route,
location, and character of said proposed work and fixed the same by
metes and bounds, courses, distances, descriptions and guides, and ~~Ex~~
Bench Marks, including Arms and branches so as to provide for a complete
outlet for the Drainage of said lands effected by said proposed work;
that we divided the Ditch and branches into sections of not more than
100 feet in length by setting stakes at each 100 feet.

Pg. 1

LOCATION.

That the location of said Main Ditch or Arm No, 4, and the Branches thereto, as set out in this our report, are as follows towit;

Main Ditch,

Beginning at Stake No. 0. 830 feet South, and 15 feet West of the Northwest corner~~of~~ of East half of the Northwest quarter of Section 32, Township 20 North, Range 3, East, Run thence 85 degrees 47 minutes East to Stake 3 ; Thence 83 degrees 30 minutes East to Stake 7 ; thence North 46 degrees East to Stake 12 ; Thence North 32 degrees 45 minutes East to Stake 17 ; Thence North 19 degrees East to Stake 22 ; Thence with 19 degree Curve to the Right to Stake 25; Thence North 75 degrees East to Stake 28+30 ; Thence North 84 degrees East to Stake 34+53 ; Thence South 65 degrees East to Stake 41+57; Thence South 85 degrees East to Stake 43; Thence East to Stake 44 ; Thence North 85 degrees East to Stake 45; Thence North 70 degrees East to Stake 46; Thence North 60 degrees East, to Stake 54+64 And terminating in Main Symons, Drain, 30 Rods East and 70 rods North of the ~~Southwest~~ Corner of Section 28, same Township and Range a total distance of 5464 feet.

Arm No One, to said Arm No 4;

Begin at Stake 0. at a Point 468 feet North and 15 feet west of the Southwest Corner, of East half of the Southwest quarter of Section 29, Township 20 North, Range 3 East, Run thence South 80 degrees East to Stake 3 ; Thence South 50 degrees East, to Stake 4 ; Thence South 15 degrees East to Stake 8+80; Thence East to Stake 16, and enter said Main Ditch or Arm No.4. at Stake 18+~~4~~^{and 26' North} of Said Main Ditch, at a Point 50 feet east, of Northwest corner, of the Northeast quarter of Section 32, Township 20 North, Range 3 East; a total distance of 1600 feet,

LOCATION.

Arm No 2, to Arm No, 4.

Arm No.2, to Arm No 4, Being a Part of Arm No 5, or Hannibal Underwood Arm of Geo Synaens Drain, to begin at the point of separation of the two Rows of Tile now in said Arm No 5.; Run thence in a Southeasterly direction, following the line of said Arm No 5, a distance of 805 feet; and terminating on said Arm No 4 , at Station $34+53$.⁸⁸⁰ All of said Arm No 2, being in the Southeast quarter of section 29, Township 20 north, Range 3 East.

Arm No 3, To Arm No 4.,

Beginning 200 feet West and 20 feet South of the Northeast corner of the West half of the East half of Northeast quarter, Section 32, Township 20 north, Range 3 East.; Run thence North 15 degrees East, 395 feet and enter said Arm No 4, at Station $41 + 57$.

B.M. The principal Bench Mark for said Drain is the top of South End of East parapet wall of Bridge North of Station 49+80, Elevation 37.92, Elevation of Grade opposite same point 28.42.

The fall of the established grade for said Drain is as follows:

MAIN DITCH OR ARM NO. ~~2~~ 4

From Station 0 to Sta. 4 is 65/100 ft. per 100 ft.

" " 4 " " 10 " 40/100 " " " "

" " 10 " " 18 " 30/100 " " " "

" " 18 " " 28 " 20/100 " " " "

" " 28 " " 33+80 is 30/100 Ft. per 100 Ft.

At " 33+80 ~~max~~ Sta. Drop 50/100 Ft.

From " 33+80 to Sta. 48 is 30/100 Ft per 100 FT. and

" " 48 " " 54+64 is 10/100 FT. per 100 Ft.

ARM NO. ^{one} ~~2~~ (1) TO ARM NO. 4.

From Station 0 to sta. 6 is 1 ft per 100 ft.

" " 6 " " 15 " 50/100 ft. per 100ft.

" " 15 " " 16 " 2 70/100 ft per 100 ft.

ARM NO. 2 TO ARM NO.4

From station 0 to Saation 8+80 is 40/100 ft per 100ft.

ARM NO.3 TO ARM NO.4

From Station 0 to Station 3+95 is 25/100 ft per 100 ft.

Requirements continued.

wide, 2 feet high, 3 feet long.

All Catch Basins, Connecting Boxes & Flumes to be Constructed from Concrete, in accordance with Specifications for Concrete work, herein written,

All Catch Basins, to be circular in form, have 4 inch Walls, 4 inch Bottom & covered with a Perforated slab of concrete 4 inches thick, The Capacity of the Total perforations shall be equal to or grater than the Capacity of the Outlet tile, but no One of said perforations to exceed 2 $\frac{1}{2}$ inches in diameter,

All connecting Boxes to have 4 inch Walls, 4 inch Bottom and be covered with a 4 inch slab, of Concrete.

On the Main Arm No 4, from Station 0 to Station 16, And on Arm No 2, from Station 0 to Station 8 + 8, where tile now exists the line of the Old Drain shall be followed, The Old tile carefully removed, and piled up in a neat manner, along nearby Road or fence margins, Provided however there shall be no abrupt turns made in the New Construction to save the Old tile, If in the opinion of the Superintendent of Construction the Old tile not taken out by the New Construction are of such value to justify extra excavation, he may cause the same removed, and pay for such work out of the funds derived from the Sale of the Old tile, All Old tile removed to be in charge of said Superintendent, Sold by him, and the money received for same to become a part of the Ditch fund

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, and 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 line, dimensions, and shape given for the different structures.

The work will be staked 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, 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 in sufficient distance from them to not disturb them, and shall be 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 and true to grade at the depth indicated by the 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 possible and in a line free from irregular crooks, the piece being turned about until the upper closes, unless there is sand or fine silt which is likely to run into the 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 securely covered with broken pieces of tile, or by 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 representatives, they must be covered with the earth excavated from the trench, or borrowed clay or soil, where said trench does not afford sufficient material, and in no case less than Two feet in *The filling shall be to the full depth of trench* depth over the tile in new cuts.

And where said drain is an open channel the filling shall be to a depth of not less than two feet above the top of the tile, for the full 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 rocks that may in time come in contact with the tile, be allowed in the filling. The ditch contractor must assume all risk from the caving in of the ditch, and when each drain 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 ditch in the time specified in the contract, the time may be extended as may be mutually agreed upon by the Engineer and contractor. The contractor shall use all necessary precautions to protect his work from injury while he is constructing the ditch.

All tile and other material used in the construction of the ditch and its tributaries thereto, included in the contract, shall be first class in every respect and subject to ~~the~~ rigid inspection by the Engineer.

The Engineer shall have the authority to layout and direct the work, and to inspect the same and supervise it 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 or Tabulated Sheet.

Main Ditch or Arm No 4. to Symons Ditch,

Sta	Hub Cut,	Feet,	Min.	Sta	Hub Cut,	Cu Yds,
			Cu, Yds.			
0	4.26			32	5.80	32
1	3.33	24		33	5.51	31
2	3.41	21		34	5.51	32
3	4.45	21		35	4.51	42
4	3.82	22		36	4.54	40
5	3.76	24		37	4.04	39
6	3.68	23		38	6.62	43
7	4.32	25		39	7.86	76
8	3.58	24		40	6.38	74
9	3.56	22		41	5.61	65
10	3.50	22		42	5.16	54
11	4.20	24		43	4.93	49
12	3.64	29		44	4.73	47
13	4.16	29		45	4.61	47
14	4.10	30		46	4.67	47
15	3.94	30		47	4.95	47
16	3.87	29		48	4.68	47
17	4.24	30		49	4.98	47
18	6.86	41		50	5.38	50
19	5.83	56		51	4.73	49
20	4.43	44		52	2.67	36
21	5.43	44		53	5.62	40
22	5.83	50		54	5.76	56
23	5.16	48				
24	4.65	43		54 + 64	5.84	47
25	3.59	36				
26	4.58	36				

2,120.50

Estimated Cost.
Main Ditch or Arm No 4.

Estimate Cost of Construction Including,

Material, Labor, Hauling etc.,

Necessary for completion of work in

accordance with the plans & specifications,

~~Main~~ Ditch Station 0 to 54+64

Total \$4824.00

Estimated expences, Including,

Attorneys Fee,

Recording & Releasing,

Legal Printing,

Superintendent of Construction,

Court Expenses etc,

Contingency fund ,

Total \$598.00

No claim for services, expences & mileage to date for

Henry Lwin Deaunate Commissioner, 28.00

Chas Coleman Viewer, 28.00

J. H. Hansen Engineer & helpers 111.00

Total \$167.00

Grand Total \$5589.00

After minor correction
10% off of Cts.

Main Ditch

= 1 =

NAMEs	DESCRIPTION OF LANDS	Section	Township	Range	Acres Assessed		Acres Benefited		Amount of Benefits		Am't of Assessment		Total Assessment	
					A	Hun	A	Hun	\$	Ols.	\$	Cts.	\$	Ols.
J C Haworth	W $\frac{1}{2}$ SW	SW 28	20	3	20		3		136	13	123	75	123	75
Benton Hinckley	N E	S E	29	20	3	40	17		150	48	136	80		
	S E	S E	29	20	3	40	38		1064		967	50		
	W $\frac{1}{2}$ NW	S E	29	20	3	20	18		141	08	128	25	1232	55
J L Hershman	SW	S E	29	20	3	40	40		1113	75	1012	50		
	W $\frac{1}{2}$ NW	S E	29	20	3	40	20		148	50	135	00	1147	50
W. F. Stahl	N $\frac{1}{2}$ NW	SW 29	20	3	20		10		24	75	22	50	22	50
W. E. Taylor	S $\frac{1}{2}$ SE	N W	29	20	3	20	20		49	50	45	00		
	SW	N E	29	20	3	40	40		99	00	90	00		
	N E	S W	29	20	3	40	40		247	00	225	00	360	00
Vern McDonald	N $\frac{1}{2}$ S E	N W	29	20	3	20	7		867		788		788	
for E McCray	S E	SW 29	20	3	40		40		341	55	310	50	310	50
Edith M. Harr	S $\frac{1}{2}$ NW	S W	29	20	3	20	10		24	75	22	50		
	SW	S W	29	20	3	40	40		158	40	144	00		
	N ^{15A} W	N W	32	20	3	15	15		74	25	67	50		
	N $\frac{1}{2}$ N E	N W	32	20	3	20	20		376	20	342	00	576	00
Anna Boxley Martin	S 25 A. N W	N W	32	20	3	25	25		185	63	168	75		
	W SW	N W	32	20	3	17	17		126	23	114	75		
	S E	N E	29	20	3	40	6		29	70	27	00	310	50
Mariah A Sedwick	S $\frac{1}{2}$ N E	N W	32	20	3	21	21		386	10	351	00	351	00
Harry A. Kuhlman	N $\frac{1}{2}$ S E	N W	32	20	3	19	18		165	83	150	75	150	75
Ethel May Nickey	W SE	N W	32	20	3	25	125	620	563		563			

NAMES	DESCRIPTION OF LANDS	Section	Township	Range	Acres Assessed		Acres Benefited		Amount of Benefits		Amt of Assessment		Total Assessment	
					A	Hun	A	Hun	\$	Cts.	\$	Cts.	\$	Cts.
Priscilla Hutchens	NW NE	32	20	3	40		40		445	50	40500			
Do	W½ NE NE	32	20	3	20		20		173	25	15750			
Do	SW NE	32	20	3	40		18		4455	50	4050			
Do	W½ SE NE	32	20	3	20		5		12	38	1125	614	25	
Omer Wilcox	E½ NE NE	32	20	3	20		4		4703	42	3600	42	75	
J.R. Cox	pt SE SE	30	20	3	15		15		59	40	5400	54	00	
Geo W. Osborn	pt E½ NE NE	31	20	3	20		20		396	360	360	3	60	
Ella Lovell	pt E½ NE NE	31	20	3	40		40		396	360	360	3	60	
Hannah & S. Spencer	pt NE NE	31	20	3	740		740		28	30	2664	26	64	
Alongo Cooper	pt NE NE	31	20	3	700		700		27	72	2520	25	20	
Martha J. Wilson	pt NE NE	31	20	3	7		7		27	72	2520			
Do	pt NE NE	31	20	3	25		25		396	360	2880			
Daisy King	pt NE NE	31	20	3	10		10		396	3600	3600			
Cyrus Alexander	pt NE NE	31	20	3	50		50		396	360	360	3	60	
Harry O. Marting & wife	pt NE NE	31	20	3	25		25		396	360	360	3	60	
Mary M. Smith	pt E NE	31	20	3	25		25		396	360	360	3	60	
Arthur Mullin	pt E NE	31	20	3	25		25		396	360	360	3	60	
A.R. Nelson	pt E½ SE NW	32	20	3	25		25		396	360	360	3	60	
Sherridon School Corporation	pt W½ NW	32	20	3	150		150		594	540	540			

Profile or Tabulated sheet.

Arm No 1. To Arm No. 4.

Sta	Hub Cut.	Cu.Yds.
0	3.96	
1	3.50	23
2	3.46	21
3	3.88	23
4	3.90	24
5	3.58	23
6	3.62	23
7	4.46	25
8	4.00	26
9	4.18	25
10	4.00	30
11	3.90	29
12	4.21	30
13	3.92	30
14	4.21	30
15	4.74	33
16	7.43	44
		<u>439</u>

Estimate Cost of Construction Including,
Material, Labor, Hauling etc.,
Necessary for completion of work in
accordance with the plans & specifications,

Am #1 Station 0 to 16

Total \$528.20

Estimated expences, Including,
Attorneys Fee,
Recording & Releasing,
Legal Printing,
Superinteneent of Construction,
Court Expenses etc,
Contingency fund ,

Total \$48.67

"e claim for services, expences & mileage to date for
Henry Givim. drainage Commissioner, ... 3.⁰⁰
Chas Coleman Viewer, ... 3.⁰⁰
Jethammon Engineer & helpers 12.⁰⁰

Total \$18.⁰⁰

Grand Total \$614.67

Arm No 1.

NAMES	DESCRIPTION OF LANDS	Section	Township	Range	Acres Assessed		Acres Benefited		Amount of Benefits		Amt' of Assessment		Total Assessment	
					A	Hun	A	Hun	\$	Cts.	\$	Cts.	\$	Cts.
Edith M. Hare	SW	SW 28	20	3	40		30		21775	19795				
Mo	5/8 NW	SW 28	20	3	20		10		7260	6600	26395			
W E Taylor	SW NE	SW 28	20	3	20		2		628	572	572			
Joseph E Mc Cray	SE	SW 28	20	3	40		18		24200	22000	22000			
Adams Township	Benefit to Highway													
	E & W. Cut	SW 28	20	3	29	20	3		11000	10000				
	N & S Thru Cut SW	SW 28	20	3					2750	2500				
											12500			
														61467

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Profile or Tabulated Sheet.

Arm No. 2. to Arm No. 4.

Sta	Hub Cut.	Cu.Yds.
0	3.96	
1	4.45	34
2	3.94	34
3	4.43	34
4	5.46	40
5	4.36	39
6	4.09	34
7	4.68	35
8	3.31	32
8 + 80	2.33	16
		<u>288</u>

Estimate Cost of Construction Including,
Material, Labor, Mauling etc.,
Necessary for completion of work in
accordance with the plans & specifications,

Amt#2 Station 0 to 8+80

Total \$ 580.00

Estimated expenses, Including,
Attorneys Fee,,
Recording & Releasing,,
Legal Printing,,
Superintendent of Construction,,
Court Expenses etc,,
Contingency fund,

Total \$ 0.12

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

Henry Lewis ... drainage Commissioner, ... 3⁰⁰
Chas. Coleman Vicer, ... 3⁰⁰
J. P. Shannon Engineer & helpers .13⁰⁰

Total \$ 19⁰⁰
Grand Total \$ 649.12

Arm No 2.

Profile or Tabulated Sheet.

Arm No. 3. to Arm No. 4.

Sta	Hub Cut.	Cu.Yds.
0	4.01	
1	4.06	25
2	4.22	26
3	4.67	27
3 + 95	5.74	30

108.

Estimate Cost of Construction Including,
Material, Labor, Hauling etc.,.
Necessary for completion of work in
accordance with the plans & specifications,

Am#3 Station 0 to 3+95

Credit by work done
by B. Hamerly

Total \$141.00

14

137

Estimated expenses, Including,
Attorneys Fee,,
Recording & Releasing,,
Legal Printing,,
Superintendent of Construction,,
Court Expenses etc,,
Contingency fund,

Total \$27.25

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

Henry Linn...Drainage Commissioner, ^{1.00}

Chas Colenauer.... Vierer, ^{1.00}

J. P. Sherman.... Engineer & helpers ^{1.50}

less work done — — — Total \$5.00
Grand Total \$168.75
14.
\$154.75

Arm. No 3

STATE OF INDIANA)
) SS
HAMILTON COUNTY)

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 of said proposed ditch, that the ass-
essments herein made and reported are correct, just and equit-
able 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 in substance
and in fact as we verily beleive.

C.P. Coleman.....

Kerry Gwinn.....
Viewers.

J. D. Shannon.....
Engineer.

Subscribed and sworn to before me this 27 day of January 1923.

J. D. Hill.....
Clerk of hamilton County.

Synopsis of Surveyor's Costs.

~~James Scott, Minot, Amherst 2 3 700~~
~~Henry Givins 28.~~

	J. P. Shannon	Henry Givins	Chas Coleman.
Main Rd.	\$111.00	28 ⁰⁰	28 ⁰⁰
Area No 1	12	3	3
" " 2	13 ⁰⁰	3	3
" " 3	3 ⁰⁰	1	1
Totals	<u>139.00</u>	<u>35-</u>	<u>35-</u>
By Cash drawn	<u>84</u>	<u>20</u>	<u>20</u>
Pel. Due on this Report.	55-	15-	15-