

Drain: MARY NAGLE Drain #: 140
Improvement/Arm: _____
Operator: J. LIVINGSTON Date: 4-29-04
Drain Classification: Urban/Rural Year Installed: 1911

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

Drain-Improvement: MARY NAGLE

Drain Type:	Size:	Length	Length (DB Query)	Length Reconcile	Price:	Cost:
TILE	10"	1700'	1700'		3.00/lf	5100.00
	12"	3200'	3200'		4.00/lf	12,800.00
	15"	300'	300'		5.00/lf	1500.00
TILE - ARM 1	8"	190'	190'		2.00/lf	380.00
TILE - ARM 2	8"	1000'	1000'		2.00/lf	2000.00
TILE - ARM 3	10"	1590'	1590'		3.00/lf	4770.00

Sum: 7980' 7980' 826,550.00

Final Report: _____

Comments:

Apportionment for Keeping in Repair the

Mary E Nagle Drain

Share No.	From Station No.	To Station No.	Feet Long	NAME TO WHOM APPORTIONMENT IS MADE	DESCRIPTION OF LAND BENEFITED	Section	Town.	Range	ACRES BENEFITED		AMOUNT OF BENEFITS	
									Acres	Hund.	Dols.	Cts.
1.				L. Toland	Pt S.W.	S.W.	35	20	4	11		66 00
				"	" S.E.	S.W.	35	20	4	16		112 00
2.				Chas Randall	Pt N.W.	N.E.	2	19	4	35		
				"	" N.E.	N.W.	2	19	4	47		
				"	" N ² S.E. N.W. & Pt N ² N.E.	N.W.	2	19	4	13		445 00
3.				Phelena Bowman	Pt N.W.	N.W.	2	19	4	7		42 00
4.				Isaiah Ponsler	Pt N.	N.W.	2	19	4	20		120 00
5.				James E. Kell & Wf	Pt C.N.W. & Pt N. N.E.	N.E.	2	19	4	40		260 00
6.				Mary E. Nagle	Pt N.W. & Pt N.E.	N.E.	2	19	4	42		294 00
7.				Vincent Case	Pt C.	N.E.	2	19	4	8		
				"	Pt C.	N.E.	2	19	4	6		56 00
8.				Amy Voss	Pt C.	N.E.	2	19	4	10		40 00
9.				John Bert	Pt N.W.	S.E.	2	19	4	6		42 00
10				Jackson Township	Benefit to Public Highway	35	20	4				
									2	19	4	

ORIGINAL SPECIFICATIONS

DESCRIPTION OF THE MANNER IN WHICH THE WORK SHALL BE DONE

State of Indiana } ss.
Hamilton County }

In the Matter of
Mary E. Nagle Drain.

Report of Drainage Commissioners and Engineer.
To the Honorable Judge of Hamilton Circuit Court.

The undersigned Drainage Commissioners and Engineer to whom was referred the above entitled petition for the drainage of certain lands in Jackson Township, Hamilton County, Indiana, respectfully report that on the 28 day of June 1911, we met at the head of the proposed drain and proceeded to survey and lay out said drain and examine the land to be drained by said proposed drain. We would report that we have definitely determined the best and cheapest method of draining said lands and fixed the route, location and character of the proposed work and fixed the same by stakes & bounds, courses & distances and description, grades and bench marks so as to provide for the complete drainage of the lands effected by the proposed work.

We have divided the work into sections of not more than 100 feet in length and have computed and set out the number of cubic yards of excavation in each station and have assessed the benefits to each separate tract of land and to the proper Township, where Highways are benefited. We have fixed the beginning and outlet of said Drain so as to secure the best results and cause the least possible injury to the lands affected and so as to benefit the public Highways.

We believe that the Drain when completed will be practicable that the public health will be improved; that three Public Highways will be benefited; that the ditch will be of Public utility and that the cost and expense of constructing said drain will be less than the benefits to the lands assessed for the construction. That the best and

APPORTIONMENT FOR KEEPING IN REPAIR THE *Mary O Nagle*

Win. B. Burford, Blank Book Mfr., Indianapolis.

Share No.	From Station No.	To Station No.	Feet Long	NAME TO WHOM APPORTIONMENT IS MADE	DESCRIPTION OF LAND BENEFITED	Section	Towa.	Range	ACRES BENEFITED		AMOUNT OF BENEFITS			
									Acres	Hund.	Dols.	Cts.		
					and cheapest methods of securing said drain is by a Main Ditch, and Three arms or branches described & located as follows:									
					<i>Main Ditch.</i>									
					<i>Location.</i>									
					Said Main Ditch to begin 140 feet North and 66 feet east of the southwest corner of the east half of the southwest quarter of Section 35 Township 20 north, range 4 east, Hamilton County, Indiana, and run thence south 53° east 200 feet, thence south 12° east 690 feet, thence south 25° west 560 feet, thence south 1° 30' west 100 feet, thence south 29° 30' east 50 feet, thence south 40° east 300 feet, thence south 53° east 1000 feet, thence south 23° east 100 feet, thence south 18° east 300 feet, thence south 68° east 20 feet, thence north 87° east 830 feet, thence south 43° east 750 feet; thence south 9° east 412 feet, and terminating 370 feet south and 12 feet west of the southeast corner of the west half of the southeast quarter of section 2 Township 19 north range 4 east.									
					<i>Arm No. 1.</i>									
					Said Arm No 1 to begin 74 feet south of the southwest corner of the northeast quarter of the northwest quarter of said Section 2, and run thence north 84° east 190 feet; and terminate into the Main Ditch,									
					<i>Arm No. 2.</i>									
					Said Arm No 2 to begin 34½ rods north and 15 feet east of the southwest corner of the east half of the northwest quarter of said section 2, and run thence north 61° east 300 feet, thence north 39° east 400 feet; thence north 47° east 100 feet, thence north 66° east 200 feet; and terminating in Main Ditch.									
					<i>Arm No. 3.</i>									
					Said Arm No 3 to begin 99 rods south and 2 rods west of the northeast corner of the west half of the northeast									

DITCH, BY *J. S. Shannon*

COUNTY SURVEYOR,

1911

ORIGINAL SPECIFICATIONS			DESCRIPTION OF THE MANNER IN WHICH THE WORK SHALL BE DONE
Width at Top	Depth of Cut	Width at Bottom	
446		<i>No. of cuts to be removed</i>	<p>quarter of said section 2, and run thence south 16° east 250 feet, thence south 650 feet, thence south 10° east. 287 feet, thence south 22° west 403 feet, and terminating in the Main Hitch about 50 feet west and ten feet north of the southeast corner of the west half of the northeast quarter of said Section 2.</p> <p style="text-align: center;">Requirements</p> <p>Laying Tile, Filling, Headring & Grubbing.</p> <p>All tile used in the construction of this drain shall be first class quality and subject to the inspection of the superintendant in charge of the work. They shall be laid in the trench in a true line with the joints well matched and at the proper grade as shown on profile hereto attached and marked exhibit "B" and made a part of this report and shall be left uncovered until examined by the superintendant, after the trench, where the ditch is new cut, shall be filled full and where the ditch runs in the old channel the tile shall be covered with two feet of earth. Trees and bushes shall be cut or deadened on each side of the ditch for a distance of 20 feet, except in the opinion of the superintendant it is advisable to leave certain trees.</p> <p style="text-align: center;">Materials.</p> <p>The Main Hitch to consist of one row of 16 inch drain tile, from station 0 to station 17, One row of 12 inch from station 17 to station 49, One row of 15 inch from station 49 to station 53 and One row of 15 inch sewer pipe from station 53 to station 53+12 a retaining wall, and at station 53+12 a retaining wall, 2x5x10.</p> <p>Arm No 1 To consist of one row of 8 inch tile throughout.</p> <p>Arm No 2 To consist of one row of 8 inch throughout.</p>
291	27		
410	26		
445	32		
405	32		
355	28		
635	33		
400	35		
506	34		
516	38		
517	38		
475	41		
418	33		
526	35		
486	38		
462	35		
497	36		
502	37		
360	32		
384	28		
398	29		
313	26		
317	23		
337	24		
417	28		
338	28		
311	24		
346	24		
433	29		
339	29		
425	28		
411	31		
359	28		
340	29		
500	31		
374	32		
434	30		
391	30		
356	28		

Apportionment for Keeping in Repair the

Mary E Nagle DR 4 25

W. B. Burford, Blauk Book Mfr., Indianapolis.

Share No.	From Station No.	To Station No.	Feet Long	NAME TO WHOM APPORTIONMENT IS MADE	DESCRIPTION OF LAND BENEFITED	Section	Town.	Range	ACRES BENEFITED		AMOUNT OF BENEFITS	
									Acres	Hund.	Dols.	Cts.
					Arm No 3 To consist of one row of 10 inch tile throughout.							
					Fall of Established Grade.							
					Main Ditch							
					From station 0 to station 17					100		
					" " 17 " "					200		
					" " 22 " "					750		
					" " 33 " "					1000		
					" " 41 " "					1500		
					" " 46 " "					1200		
					" " 52 " "					53+12 300		
					Arm No 1							
					From station 0 to station 1+90					600		
					Arm No 2							
					From station 0 to station 8					200		
					" " 8 " "					1250		
					" " 10 " "					10+80 100		
					Arm. No. 3.							
					From station 0 to station 2					750		
					" " 2 " "					400		
					" " 5 " "					1450		
					" " 8 " "					1500		
					" " 14 " "					3000		
					" " 15 " "					1450		
										15+90 100		

At stations 17+15 and 25+26 there shall be a 12x8" sewer pipe Y for the connection of the Arms No 1 and Arm No 2.

At station 49 there shall be built one standard catch basin, built up with 9" brick walls laid in concrete mortar, said basin to be 3 feet in diameter and 5 1/2 feet in depth with the bottom set 18" below the grade of the tile and shall be covered with iron rings of the Elwood pattern or its equal, and said arm to be connected to said basin.

At station 53+12 there shall be built a retaining wall 2x5x10, said wall to be constructed of field rock or concrete, if rock they shall be laid up in mortar made from one part

ORIGINAL SPECIFICATIONS			DESCRIPTION OF THE MANNER IN WHICH THE WORK SHALL BE DONE	
Width at Top	Depth of Cut	Width at Bottom		
	326	25	of Portland Cement, to three parts clean sharp sand, and if concrete the mixture shall be one part Portland cement to five parts clean sand and gravel said wall to be built in forms so that when completed the wall will have a neat and smooth finish, and so constructed as to receive the tile at proper grade 18 inches above the base of wall. Dimensions of said wall to be 10 feet long by 5 feet high by 2 feet thick and constructed to conform by plans drawn by the Engineer.	
	710	38		
	462	43		
	369	31		
	354	27		
	328	25		
	332	24		
	356	26		
	481	31		
	386	32		
	429	31		
	401	31		
	423	30		
	349	29		Estimated Cost
	231	23		Main Ditch
		1615	1700 feet 10" drain tile \$ 112.20	
			3200 " 12" " 304.00	
			400 " 15" " 66.00	
	0	291	12 " 15" Sewer tile 5.16	
	1	388	2 Sewer Pipe r/s 2.88	
1790	477	23	Retaining Wall 20.00	
		42	1615 cu yd. Excavation 484.50	
			<u>\$ 1009.74</u>	
			Arm No 2	
	0	300	Arm No 1	
		308	17 190 feet 8" drain tile 9.12	
		444	17 42 cu. Yd. Excavation 10.50	
		454	25 19.62	
		364	22 Arm No 2	
		324	19 1080 feet 8" tile 51.84	
		340	18 207 cu. Yd. Excavation 61.75	
		379	20 \$ 113.59	
		303	19 Arm No 3	
		314	17 1590 feet 10" tile 104.94	
		327	18 337 cu yd Excavation 84.25	
10780		319	15 \$ 189.19	
		207	One standard Catch Basin 3' diameter 5' depth at station 49 N. D. Laying, Filling, Grubbing & Headening \$ 15.00	
			25.00	
			<u>\$ 1372.14</u>	

Apportionment for Keeping in Repair the

Mary E Nagle DR4 26

Van B. Burford, Plat Book No. 117, Indianapolis

Share No.	From Station No.	To Station No.	Feet Long	NAME TO WHOM APPORTIONMENT IS MADE	DESCRIPTION OF LAND BENEFITED	Section	Town.	Range	ACRES BENEFITED		AMOUNT OF BENEFITS	
									Acres	Hand.	Dols.	Cts
				State of Indiana, Hamilton County, ss:								
				<p>We the undersigned Drainage Commissioners and Surveyor of Hamilton County, Indiana, to whom was referred the above entitled petition for report after being first duly sworn upon his oath says that we have personally examined each tract of land as set out in this report, and that we have examined the whole line & route of the proposed drain and that no other lands than that above set out and described will be benefited or injured by said drain, and that the above report is true in substance and in fact as we each verily believe.</p>								
				J. S. Shannon, Engineer.								
					John B. Hoskins R. E. Worley Commissioners							
					Subscribed and sworn to before me this the 31 day of July 1911							
					LeRoy J. Patty Clerk Hamilton Circuit Court							

DITCH, BY *J. J. Shannon*

COUNTY SURVEYOR,

1911

ORIGINAL SPECIFICATIONS			DESCRIPTION OF THE MANNER IN WHICH THE WORK SHALL BE DONE
Width at Top	Depth of Cut	Width at Bottom	
<i>Arm No 3</i>			
	303		
	368	19	
	300	19	
	449	21	
	553	27	
	602	32	
	537	32	
	272	22	
	307	16	
	337	17	
	382	20	
	357	21	
	285	18	
	303	16	
	365	18	
	341	20	
15+90	431	19	
		337	
<i>Total No of yards</i>			
<i>Main Ditch</i>	1615		
<i>Arm No 1</i>	42		
<i>Arm No 2</i>	207		
<i>Arm No 3</i>	337		
<i>Total</i>	2201		