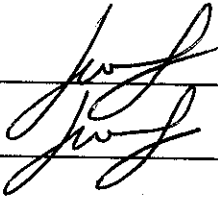
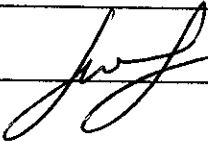


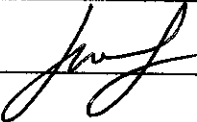
Drain: ELIZABETH WARNER **Drain #:** 117
Improvement/Arm: _____
Operator: J. LIVINGSTON **Date:** 8-13-04
Drain Classification: Urban/Rural **Year Installed:** 1928

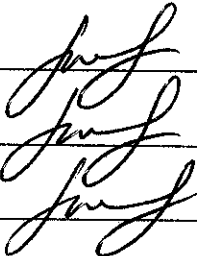
GIS Drain Input Checklist

- 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: ELIZABETH WARNER

Drain Type:	Size:	Length	Length (DB Query)	Length Reconcile	If Applicable	
					Price:	Cost:
TILE	14"	606'	606'		4. ²⁵ /lf	2575. ⁵⁰
	16"	900'	900'		5. ⁵⁰ /lf	4950. ⁵⁰
	18"	301'	301'		6. ⁵⁰ /lf	1956. ⁵⁰
OPEN DITCH	—	656'	656'		19. ⁵⁵ /lf	12,824. ⁸⁰

Sum: 2463' 2463' \$22306.⁸⁰

Final Report: _____

Comments:

ORIGINAL DRAIN STA 31+01 (STA 33+14 PER SURVEYOR'S REPORT, 8-14-2003)
TO STA 51+00. STA 51+00 - STA 57+56 ARE TERMINUS RECONSTRUCTED
AS OPEN DITCH SOMETIME BETWEEN 1928 & 1974.

~~Apportionment for Keeping in Repair~~ the Elizabeth Warner DC 4 247

Wm. B. Barber, Blais 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.	
				State of Indiana } Hamilton County } SS	In Commissioners Court.								
					In the Matter of the Petition of Elizabeth Warner et. al. for Reconstruction of Geo Warner Drain, Report of Drainage Commissioners & Engineers To the Honorable Board of Commissioners of Hamilton County.								
					We the undersigned Commissioners of Drainage & the Engineers, to whom the above entitled petition for Drainage of certain lands in Noblesville and Delaware Townships, Hamilton County, Indiana, was referred. We would respectfully report that we met on the line of said proposed Reconstruction, on the 8th day of March 1927, qualified and proceeded to view said Drain and lands affected thereby. After a careful investigation of the condition of said Drain, we are of the opinion that said Drain should be repaired and in a manner set out in this report and that the same when completed will improve the public health and will reclaim certain lands, and will be a public utility, and will benefit highways, also that the cost of constructing, damages and expenses of effecting said drain will be less than the benefits to the lands effected by said Drain.								
					That we 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 have fixed the same by notes and bounds, courses, distances, descriptions and guides and Bench Marks, for complete outlet for the Drainage of said lands effected by said proposed work, that we divided the Ditch into sections of not more than One Hundred feet in length by setting stakes at each one Hundred feet.								
					Description								
					The said reconstruction or repair of said Drain, shall begin a Station 12+94 of said. Warner Drain, Run thence South 4 degrees 15 minutes West 1906 feet; Thence South 1100 feet; Thence South 45 degrees East 100 feet; Thence East 600 feet; Thence North 50 degrees East 350 feet Thence North 73 degree E, 225 feet; and terminating. Said New construction shall consist of one Row 14" tiles from Sta 12+94 to Sta 19, One Row of 16" tiles from Sta 19 to Station 28, One Row of 18" tiles from Sta 28 to station 45, and One Row of 20" tiles from Station 45 to Sta 57+56								

Ditch, by *E A Baker* County Surveyor, July ~~18~~ 19 28 241

ORIGINAL SPECIFICATIONS			DESCRIPTION OF THE MANNER IN WHICH THE WORK SHALL BE DONE
Width at Top	Depth of Cut	Width at Bottom	

at Station at or near 45+70 shall be constructed a concrete Catch Basin, in accordance with plans hereto attached and the specifications in this report written for concrete construction, at Station 57+56, shall be constructed a concrete containing Wall in accordance to the plans therefor hereto attached and the specifications in this report written for concrete construction.

at Sta 12+94 and at all places where said New construction intersect with the Old Drain, proper connection shall be made. at Station 57+56, there shall be constructed a concrete containing Wall 20 feet in length, two feet wide at bottom battered to one foot at the Top of said Wall to be set 18 inches below the bed of the Ditch; built to average height of 6 feet.

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 be at its outlet, or its junction with another Drain toward its upper end, The Ditch to be dug along one side of the line of survey stakes, and sufficient distance from to not disturb them, and shall be dug in a straight and clean manner

On staking 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 the 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 practicable and in a ~~line~~ free from crooks, the pieces being turned about until the upper covers, 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 means a crack of one-fourth (1/4) 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 representative, 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 (2) feet in depth over the tile in cuts, and where said Drain is in an open

Wm. D. Burford, State Book Mr. 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.	
					channel the filling shall be to a depth of not less than Two (2) feet above the top of the tiles, for the full width of said channel, in no case must the tiles be covered with sand without other material being first used, and in no case will boulders or heavy rock be allowed in the filling if they may in time come in contact with the tiles,								
					The ditch contractor must assume all risks from 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 properly laying the tiles, to complete the work specified in the contract, the time may be extended as mutually agreed upon by the contractor and the Engineer.								
					The contractor shall use all necessary precautions to secure his work from injury while he is constructing the drain.								
					All tiles and 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 rigid inspection by the Engineer.								
					The Engineer shall have authority to lay out 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.								
					Concrete Work.								
					Unless otherwise specified all concrete work included in these specifications shall be a mixture 1-2-3; One part Cement; Two part Sand; and Three part gravel. The sand & gravel to be free from dirt, loam and other foreign matter, The cement, sand & 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 shall be neatly constructed from strong materials, and shall be true to line dimensions and shape given for the different structures.								

ORIGINAL SPECIFICATIONS			DESCRIPTION OF THE MANNER IN WHICH THE WORK SHALL BE DONE			
Width at Top	Depth of Cut	Width at Bottom				
Sta.	Cut,	Cu. yds.	Sta,	Cut,	Cu. yds.	
19	4.97	36	12+94	5.80		
20	4.77	44	13.	6.18	38	
21	4.40	41	14.	4.99	41	
22	4.60	42	15.	4.40	35	
23	4.80	43	16.	4.56	37	
24	5.50	48	17.	4.79	35	
25	6.40	55	18.	4.71	35	
26	6.70	60				
27	7.20	64	Sta	Groundcut	Ditch Cut	Cu. yds.
28	7.20	66	46	8.21	6.90	70
29	6.75	64	47	12.22	6.43	71
30	6.80	63	48	11.71	5.89	68
31	6.89	63	49	11.62	6.40	68
32	6.80	63	50	10.16	5.85	68
33	6.72	62	51	9.36	5.66	64
34	6.77	62	52	9.51	5.70	61
35	6.56	61	53	6.09	5.15	59
36	6.01	58	54	6.19	4.94	55
37	6.05	56	55	5.67	4.49	52
38	6.52	58	56	4.86	3.89	46
39	6.60	60	57	4.20	3.12	42
40	6.37	60	57+56	3.73	0.52	24
41	6.38	59			Total Cu yds	2496
42	6.32	58				
43	6.50	60				
44	6.80	61				
45	6.35	60				
46	8.21					

Estimated Cost of Construction including Material Labor Hauling & necessary for completion of the work in accordance with Plan & Specifications Sta 0 to Sta 57+56. including clearing & grubbing etc. \$5218.80

Estimate expense including Attorney, Fees, Recording & Releasing, Legal Prints. Superintendent of Construction, Court Expenses etc, Contingency fund 674.20

We claim for Services expenses & mileage to date for

Larkin ~~Stultz~~, Drainage Com, \$25.00
 Viewer 25.00
 E.A. Baker Engineer & helpers 891.00
139.00

Total \$6032.00

Apportionment for Keeping in Repair the

Continued

DC 4 249

W.D. Burford, State Book Affr., Indianapolis.

Share No.	From Station No.	To Station No.	Feet Long	NAME TO WHOM APPORTIONMENT IS MADE	DESCRIPTION OF LAND BENEFITED												AMOUNT OF BENEFITS	
					Section	Town	Range	Acres Benefitted		Amount of Benefits		Amount of Assessment		Total Assessment		Dols.	Cts.	
A	Hun	\$	cts	\$				cts	\$	cts	Acres	Hund.						
				<i>Names</i>	<i>Description of Lands</i>													
				<i>I. C. Nehr</i>	<i>pt NW SW</i>	<i>14</i>	<i>18</i>	<i>4</i>	<i>12</i>	<i>00</i>	<i>79</i>	<i>20</i>	<i>72</i>	<i>00</i>				
				<i>Do</i>	<i>pt SW. SE. SE</i>	<i>15</i>	<i>18</i>	<i>4</i>	<i>4</i>	<i>00</i>	<i>26</i>	<i>40</i>	<i>24</i>	<i>00</i>	<i>96</i>	<i>00</i>		
				<i>Henry Sapper & wife</i>	<i>pt SW NE. SW</i>	<i>14</i>	<i>18</i>	<i>4</i>	<i>5</i>	<i>00</i>	<i>99</i>	<i>00</i>	<i>90</i>	<i>00</i>	<i>90</i>	<i>00</i>		
				<i>Eliza Pausel</i>	<i>pt NW SE SW</i>	<i>14</i>	<i>18</i>	<i>4</i>	<i>5</i>	<i>00</i>	<i>99</i>	<i>00</i>	<i>90</i>	<i>00</i>	<i>90</i>	<i>00</i>		
				<i>H. P. Wiseman</i>	<i>54 A S end. W 1/2 SW</i>	<i>14</i>	<i>18</i>	<i>4</i>	<i>54</i>	<i>00</i>	<i>429</i>	<i>00</i>	<i>390</i>	<i>00</i>				
				<i>Do</i>	<i>pt E 1/2 SE</i>	<i>15</i>	<i>18</i>	<i>4</i>	<i>19</i>	<i>00</i>	<i>104</i>	<i>50</i>	<i>95</i>	<i>00</i>	<i>985</i>	<i>00</i>		
				<i>Pearl Klingensmith</i>	<i>pt W NE</i>	<i>22</i>	<i>18</i>	<i>4</i>	<i>7</i>	<i>00</i>	<i>38</i>	<i>50</i>	<i>35</i>	<i>00</i>	<i>35</i>	<i>00</i>		
				<i>Frank Klingensmith</i>	<i>pt W NE</i>	<i>22</i>	<i>18</i>	<i>4</i>	<i>11</i>	<i>00</i>	<i>60</i>	<i>50</i>	<i>55</i>	<i>00</i>	<i>55</i>	<i>00</i>		
				<i>Elizabeth Warner</i>	<i>NE NE</i>	<i>22</i>	<i>18</i>	<i>4</i>	<i>40</i>	<i>00</i>	<i>660</i>	<i>00</i>	<i>600</i>	<i>00</i>				
				<i>Do</i>	<i>pt SE NE</i>	<i>22</i>	<i>18</i>	<i>4</i>	<i>28</i>	<i>00</i>	<i>462</i>	<i>00</i>	<i>420</i>	<i>00</i>				
				<i>Do</i>	<i>35 A off W side NW</i>	<i>23</i>	<i>18</i>	<i>4</i>	<i>35</i>	<i>00</i>	<i>192</i>	<i>50</i>	<i>175</i>	<i>00</i>				
				<i>Do</i>	<i>35 A off W side SW</i>	<i>23</i>	<i>18</i>	<i>4</i>	<i>35</i>	<i>00</i>	<i>192</i>	<i>50</i>	<i>175</i>	<i>00</i>	<i>1370</i>			
				<i>Walter Duckwall</i>	<i>SE NW</i>	<i>23</i>	<i>18</i>	<i>4</i>	<i>18</i>	<i>00</i>	<i>136</i>	<i>90</i>	<i>124</i>	<i>00</i>				
				<i>Do</i>	<i>5 A off E side of W 1/2 NW</i>	<i>23</i>	<i>18</i>	<i>4</i>	<i>5</i>	<i>00</i>	<i>55</i>	<i>00</i>	<i>50</i>	<i>00</i>	<i>174</i>	<i>00</i>		
				<i>Alice M. Randall</i>	<i>NW SW</i>	<i>23</i>	<i>18</i>	<i>4</i>	<i>40</i>	<i>00</i>	<i>880</i>	<i>00</i>	<i>800</i>	<i>00</i>				
				<i>Do</i>	<i>pt NE SW</i>	<i>23</i>	<i>18</i>	<i>4</i>	<i>4</i>	<i>00</i>	<i>88</i>	<i>00</i>	<i>80</i>	<i>00</i>	<i>880</i>	<i>00</i>		
				<i>Wm D. Haverstick</i>	<i>pt SE</i>	<i>22</i>	<i>18</i>	<i>4</i>	<i>5</i>	<i>00</i>	<i>27</i>	<i>50</i>	<i>25</i>	<i>00</i>	<i>25</i>	<i>00</i>		
				<i>Matilda Haverstick</i>	<i>pt W SW SW</i>	<i>23</i>	<i>18</i>	<i>4</i>	<i>30</i>	<i>00</i>	<i>742</i>	<i>50</i>	<i>675</i>	<i>00</i>				
				<i>Do</i>	<i>SE SE</i>	<i>22</i>	<i>18</i>	<i>4</i>	<i>40</i>	<i>00</i>	<i>990</i>	<i>00</i>	<i>900</i>	<i>00</i>				
				<i>Do</i>	<i>pt NE SE</i>	<i>22</i>	<i>18</i>	<i>4</i>	<i>25</i>	<i>00</i>	<i>357</i>	<i>50</i>	<i>325</i>	<i>00</i>				
				<i>Do</i>	<i>pt SW SE</i>	<i>22</i>	<i>18</i>	<i>4</i>	<i>13</i>	<i>00</i>	<i>321</i>	<i>75</i>	<i>292</i>	<i>50</i>				
				<i>Do</i>	<i>pt N 1/2 NE</i>	<i>27</i>	<i>18</i>	<i>4</i>	<i>7</i>	<i>00</i>	<i>173</i>	<i>75</i>	<i>175</i>	<i>50</i>	<i>2350</i>	<i>00</i>		
				<i>Silas C Moffitt</i>	<i>N. pt. NE NE</i>	<i>27</i>	<i>18</i>	<i>4</i>	<i>18</i>	<i>69</i>	<i>205</i>	<i>26</i>	<i>186</i>	<i>60</i>				
				<i>Do</i>	<i>pt NW NW</i>	<i>26</i>	<i>18</i>	<i>4</i>	<i>15</i>	<i>00</i>	<i>82</i>	<i>50</i>	<i>75</i>	<i>00</i>	<i>261</i>	<i>60</i>		
				<i>Roscoe A Moffitt</i>	<i>pt NE and pt SE NE</i>	<i>27</i>	<i>18</i>	<i>4</i>	<i>21</i>	<i>30</i>	<i>187</i>	<i>44</i>	<i>170</i>	<i>40</i>	<i>170</i>	<i>40</i>		
				<i>Hamilton County</i>	<i>Benefit to public Highway A.D. Booth Road</i>						<i>55</i>	<i>00</i>	<i>50</i>	<i>00</i>	<i>50</i>	<i>00</i>		

DITCH, BY

COUNTY SURVEYOR,

19

ORIGINAL SPECIFICATIONS

DESCRIPTION OF THE MANNER IN WHICH THE WORK SHALL BE DONE

Width at
TopDepth of
CutWidth at
Bottom

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 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 in substance and in fact as we verily believe.

L. M. Stultz
Bert Klipfer
Viewers.

C. A. Baker,
Engineer.

Subscribed and sworn to before me this 19th. day of July 1928.

O. M. Applegate
Auditor of Hamilton County.