





SURVEYOR'S OFFICE

# Hamilton County

Kenton C. Ward, Surveyor

Suite 146

776-8495

One Hamilton County Square

Noblesville, Indiana 46060-2230

July 18, 1995

To: Hamilton County Drainage Board

Re: John Edwards Drain

Attached is a drain map, reconstruction plans, drainage shed boundary map and schedule of assessments for the John Edwards Drain. This drain is listed as number six (6) for reconstruction on the 1995 Classification List. The drain was originally requested for classification by Lee Butts on February 14, 1980. On May 5, 1982, a petition to advance the drain on the reconstruction classification list was filed with the office representing 10% of the drainage area. An engineering request for reconstruction plans was sent to the SCS office in May 1992 and were received by the Surveyors Office in December 1994.

The John Edwards Drain was petitioned for to the Hamilton County Circuit Court in 1882. The drain was constructed the following year as an open ditch 24,300 feet in length. The drain was cleaned out in 1887, 1897, 1902, 1934, 1938 and 1940. In 1956 the drain was dredged and cleared for the final time.

The W.C. Clark Drain was constructed through the Hamilton County Commissioners in 1904. The drain consists of 1554 feet of tile drain. This drain shall be included with the Edwards as part of the Edwards Drain for reconstruction and maintenance.

At this time I recommend a reconstruction of the Edwards open ditch from Little Eagle Creek to 169th Street. The plans which are attached are to be considered part of this report. The cost estimate for this work is as follows:

1. Clearing - burn & bury 8 acres at \$4,000/acre	\$32,000.00
2. Channel Excavation per plan 19750 lineal ft at \$3.50/ft	\$69,125.00
3. Install & maintain sediment traps - 6 at \$300/each	\$ 1,800.00
4. Replace farm crossing at 106+17	\$ 4,000.00
5. Modify farm crossing at 143+12	\$ 2,500.00
6. Install tile pipes with animal guard	
11 - 6" CMPs at \$200/each	\$ 2,200.00
7 - 8" CMPs at \$250/each	\$ 1,750.00
1 - 10" CMP at \$300/each	\$ 300.00
1 - 15" CMP at \$400/each	\$ 400.00
7. Install surface water pipes	
5 - 15" x 30' CMP at \$750/each	\$ 3,750.00
3 - 15" x 40' CMP at \$900/each	\$ 2,700.00
8. Erosion control structure #1	\$ 3,000.00
9. Erosion control structure #2	\$ 3,000.00
10. Erosion control structure #3	\$ 3,000.00
11. Riprap protection - 130 tons at \$25/ton	\$ 3,250.00
12. Grass seeding Channel side slopes - 10 acres at \$800/ac	\$ 8,000.00
General seeding - 7.2 acres at \$1000/acre	\$ 7,200.00
Sub Total	\$147,975.00
10% Contingencies	\$14,797.00
Total	\$162,772.00

I have reviewed the drainage shed and upon considering each parcel individually, I believe that each parcel within the drainage shed will have equal benefits as provided by the drain. Therefore, I recommend each tract be assessed on the same basis equally. I also believe that no damages will result to landowners by the reconstruction of this drain. I recommend a reconstruction assessment of \$83.38 per acre with a minimum assessment of \$83.38.

The length of both the John Edwards and W.C. Clark will remain as they presently are. There will be no additional arms to these drains. Therefore, additional easement will not be necessary.

Not shown on the plans, but shall be considered as part of the reconstruction plans is the placement of twenty (20') foot filter strips along both sides of the drain. These shall be installed by the Contractor as part of the leveling and seeding of the spoil. These shall be maintained annually as part of the maintenance program as per IC6-1.1-6.7.

I recommend that the Board place this drain on maintenance at this time. The nature of the work required is as follows:

- A. Clearing of trees and brush on the existing open ditch;
- B. Creation and re-excavation of silt basin;
- C. Re-excavation of open ditch to original grade line;
- D. Surface water structure as might be required;
- E. Bank erosion protection and/or seeding as might be required;
- F. Repair of private tile outlet ends as might be required;
- G. Repair of regulated drain tile outlets;
- H. Repair of broken tile on regulated drains;
- I. Removal of debris and/or blockage from regulated tile and open drain;
- J. Installation of breather pipes as might be required;
- K. Cleaning and/or repair of existing catch basins as might be required;
- L. Any other repairs deemed to be applicable and necessary by the Surveyor to restore the drain to it's original intended use and condition.

The frequency with which maintenance work should be performed is annually as required by the condition of the drain.

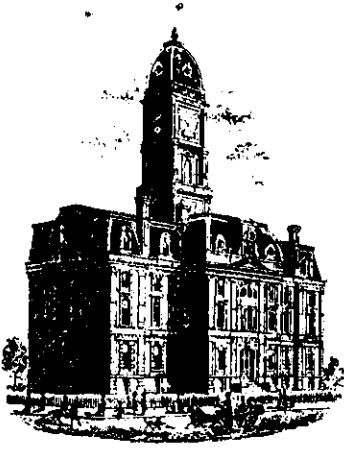
I estimate the amount of the annual cost for periodic maintenance of this drain will be \$4307.56 and attached hereto is the name and address of each owner, the legal description as shown by the tax duplicate or record of transfers by the county wherein the land is situated, which lands, in my opinion, will be affected by the proposed improvement and the public roads or highways owned by the county by name or number.

I have reviewed the drainage shed and upon considering each parcel individually, I believe that each parcel will have equal benefits as provided by the drain. Therefore, I recommend a maintenance assessment of \$2.00 per acre with a minimum annual assessment of \$10.00. With this assessment, the total annual assessment for the drain will be \$4,307.56.

I request a hearing for this proposal be set for August 1995.

  
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Kenton C. Ward,  
Hamilton County Surveyor

KCW/jh



SURVEYOR'S OFFICE

# Hamilton County

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Suite 146

One Hamilton County Square

Noblesville, Indiana 46060-2230

March 21, 1997

TO: Hamilton County Drainage Board

RE: John Edwards Drain

At this time the reconstruction of the Ron Taylor Excavating on the John Edwards Drain has been completed. This work was done through a contract dated September 25, 1997.

The estimated for this work per my report dated July 18, 1995 was \$162,772.000. The contract price was \$142,127.50. During the course of the contract several changes occurred which impacted the project. These included a reduction in benefited acreages and four (4) change orders, resulting from various corrections, additions and unanticipated requirements from the Hamilton Highway Department.

The reduction in benefited acreage affected the Mary McKinzie and John and Wanda Essex properties. The reduction as set out in a letter to the Board dated January 12, 1976 the project by \$1,133.98. This was approved by the Board at its meeting of January 22, 1996. (Minutes Book 4, Page 201, 202.)

The Change Orders which were approved during the project are as follows:

Change Order #1	Delete Alternate #1 on Bid- <u>no change in total.</u>	
Change Order #2	2/11/96	Approved by Board 2/26/96
	9.87 acres additional clearing	<u>\$34,545.00</u>
Change Order #3	2/2/96	Approved by Board 2/26/96
	Delete Structures #1 and #3	\$4,500.00
Change Order #4	5/2/96	Approved by Board 5/28/9
	Additional 2.56 acres of clearing @ \$3,500 acre	\$ 8960.00
	Five (5) additional six (6") inch tile outlets @ \$ 300.00	1500.00
	160' of eight (8") inch plastic tile @ \$5.50 LF	880.00
	90' of six (6") inch plastic tile @ \$5.00 LF	450.00
	60' of ten (10") inch plastic tile @ \$6.00 LF	360.00




THE FOLLOWING IS A HISTORY OF PAY REQUESTS SUBMITTED BY TAYLOR  
EXCAVATING ON THE PROJECT:

#1 (Claim #95-345)	Paid 12/1/95	Check # 100604	\$35,742.50
#2 (Claim #96-006)	Paid 1/5/96	Check # 102052	\$49,725.00
#3 (Claim #96-075)	Paid 2/26/96	Check # 103867	\$29,363.25
#4 (Claim #96-134)	Paid 5/7/96	Check # 106446	\$ 8,703.45
#5 (Claim #96-133)	Paid 6/7/96	Check # 107447	\$22,856.50
#6 (Claim #96-183)	Paid 7/5/96	Check # 109224	\$14,088.20
#7 (Claim #96-184)	Paid 7/5/96	Check # 109224	\$22,012.30

<u>TOTAL PAID TO CONTRACTOR</u>	<u>\$161,920.20</u>
<u>AMOUNT CERTIFIED TO AUDITOR</u>	<u>\$162,772.00</u>
<u>MINUS REDUCED ACRES BENEFITED</u>	<u>1,133.98</u>
<u>TOTAL COLLECTIONS</u>	<u>\$161,638.02</u>
<u>AMOUNT OVER BUDGET</u>	<u>282.18</u>

The Contractor as submitted a statement that all expenses incurred during the project have been paid.

I recommend the Board determine this project as complete and acceptable.

  
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Kenton C. Ward  
Hamilton County Surveyor  
KCW/no