



Kenton C. Ward, CFM
Surveyor of Hamilton County
Phone (317) 776-8495
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Suite 188
One Hamilton County Square
Noblesville, Indiana 46060-2230

March 24, 2011

To: Hamilton County Drainage Board

Re: Stony Creek / Locke Arm, 191st Street to 196th Street Reconstruction

The Hamilton County Drainage Board held a public hearing on May 24th, 2010 regarding a proposed reconstruction project known as the Stony Creek Drain / Locke Arm. (See Drainage Board Meeting Minutes, Book 12, pages 568 – 586) The original hearing on May 24th, 2010, indicated an estimated cost of \$1,372,295.00. The Hamilton County Drainage Board continued the hearing until July 26th, 2010.

At the July 26th 2010 Drainage Board meeting six (6) options were presented. Option #6 was approved with an estimated cost of \$556,151.50. (See Drainage Board Meeting Minutes, Book 13, pages 76-81) The reconstruction assessments were reduced to the revised cost estimate. Assessments under \$100 have been certified to start collections in 2011. Assessments over \$100 have been split and the first half will start collections in 2011 and the second half will start collections in 2012.

Option #6 reconstructed the Stony Creek / Locke Arm from 196th Street to 211th Street. The project included dredging, tree removal on the operational side, sediment basins, pipe outlets, rip rap bank protection and seeding of the channel slopes and filter strips. This project is under construction and is 96 % complete on the clearing and 50% complete on the dredging.

It now appears there may be funds available to do additional work in the watershed to further improve drainage. It is best to do additional work on this channel while the contractor is in place, which will not incur additional mobilization costs.

Proposed extension of the Reconstruction Project from 191st to 196th Street

Several landowners within the Stony Creek / Locke Arm watershed appeared before the Drainage Board at the February 14, 2011 Drainage Board Meeting requesting additional work to be performed on the Stony Creek / Locke Arm, south of the approved reconstruction project. The landowners stated that the approved Stony Creek / Locke Arm reconstruction would be less effective at draining the watershed if there were remaining flow line obstructions south of 196th Street. (See Drainage Board Meeting Minutes, Book 13, pages 274-278) The Drainage Board agreed to hold a public hearing on this additional work on April 25th, 2011.

I reviewed the Stony Creek / Locke Arm channel, south of 196th Street and witnessed beaver dams, sediment, and rock obstructions. The channel south of 191st Street to 186th Street has been personally maintained by owner Melvin Hair. It is in excellent condition and I do not feel any improvements are required in this area. The Stony Creek Channel from 186th Street to SR 32 was approved in the original reconstruction hearing for cleaning and removal of flow line obstructions.

The area of the proposed additional dredging is located between 191st Street and 196th Street. The clearing of trees will take place along the west side of the drain to facilitate an operation side for the equipment needed for the dredging. This will create a side for future maintenance. This clearing was previously approved as Change Order No.1 by the Drainage Board on March 14th, 2011 for \$22,000.

The proposed additional dredging will begin on the north side of 191st, at Station 244+90 on the proposed reconstruction plans. It will extend to the south side of 196th Street at Station 212 +82 on the proposed reconstruction plans. An average of 1 to 1.5 feet of sediment will be removed from the channel as well as beaver dams and other flow line obstructions. The width of the proposed channel bottom stays the same at approximately 20 feet plus or minus.

A fence gate will be installed to allow mowing of the filter strip along the Harger property. One rock line chute will be installed to reduce velocity of a side channel. Surface water pipes will be installed as needed.

Shown on the plans is the placement of a twenty foot (20') filter strip along the operational side of the drain in the agricultural land uses. This shall be considered as part of the reconstruction of the drain. The filter strip is part of the IDEM approval for this project. The filter strip shall affect the following properties:

<u>Current Owner</u>	<u>Parcel</u>
James T & Juanita T. Harger	12-07-26-00-00-003.000
James T & Juanita T. Harger	12-07-26-00-00-004.000

Hydrology, Design and Environmental Permits

A watershed management plan was prepared by Christopher Burke Engineering in 2004 to 2005. This report provided recommendations to the Drainage Board for maintenance, reconstruction and flood control.

William Locke @ 211th Street Q10 = 540 cfs
 Stony Creek @ 186th Street Q10 = 2,275 cfs

Q100 = 890 cfs
 Q100 = 2,800 cfs

The channel is designed to contain the 10 year storm frequency within the banks at all locations.

The additional reconstruction of this drain will not require acquisition of new easement for the entire length of the drain. The drain is being reconstructed in place and the existing 75 foot easement from the top of bank per IC 36-9-27-33 will be maintained. No additional easement acquisition will be required since the spoils of the project will be spread within the existing easement.

The following regulatory approval has been obtained:

- U.S. Army Corp of Engineers Regional General Permit
IDNR. LRL-2009-131-sam, December 29, 2009 (Valid for 1 year)
- IDEM – Section 401 Water Quality Certification
No. 2009-583-29-EMP-A, December 21, 2009 (Valid for 2 years)
- IDNR – Certificate of Approval, Construction in a floodway
FW-25553, January 20, 2010 (Valid for 2 years)
- Soil and Water Conservation District – SWPPP approval July 28, 2009

The U.S. Army Corp of Engineers permit and the IDEM permit is scheduled to expire the end of this year. Therefore, time is of the essence to finalize this work.

Quantities & Cost Estimate

The cost estimate for this work is as follows. The unit prices were taken from the Van Horn Contract Bid for the original reconstruction project and Wetland Staking costs from Christopher Burke and Associates.

191st Street to 196th
Street

Item Description	Quantity	Unit	Unit Cost	Total Cost
Channel Excavation	3090	per ft	7	\$21,630
Wetland Staking	1	LS	2,000	\$2,000
Outlet Pipes installed				
8"x 20'CMP w/animal guard	3	each	500	\$1,500
10"x 20'CMP w/animal guard	1	each	750	\$750
Sediment Basins	1	each	1,000	\$1,000
Surface Water Pipes installed	8	each	1,000	\$8,000
Rip Rap (7"to9") installed	181	ton	46	\$8,326

Seeding				
Channel slopes	1.1	ac	2,000	\$2,200
Filter Strip	1.5	ac	1,200	\$1,800
Ford protection	1	LS	5,000	\$5,000
Flood Gate	1	LS	2,000	\$2,000
Fence Gate	1	LS	1,500	\$1,500
Rock Lined Chute	1	LS	4,000	\$4,000
			Sub-TOTAL	\$59,706
* LS - Lump Sum		15%	Contingency	\$8,956
			TOTAL	\$68,662

- Construction to be performed by Van Horn Construction
- Wetland Staking to be performed by Christopher Burke and Associates.

Reconstruction Assessment

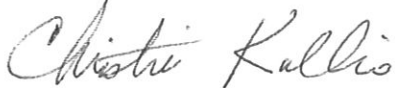
The current reconstruction assessment will not increase the assessment as a result of this work.

\$ 284,615.00 Contractor Bid
 \$ 19,446.00 Wetland Delineation and Staking
 \$ 230.84 Regulatory Permit Costs
 \$ 22,000.00 Change Order #1, clearing 191st St. to 196th St.
 \$ 68,662.00 Engineers Estimate, dredging 191st St. to 196th St.
 \$ 394,953.84 Total

This is less than the amount approved for Option #6 of \$ 556,151.50.

I recommend the Board consider this proposed extension to the reconstruction on April 25, 2011.

Sincerely,



Christie Kallio, P.E.
 Hamilton County Surveyor's Office

CK/llm



Ham Co Drainage Board

Ste 188

1 Ham Co Sq.

Noblesville, In. 46060

P: Stony Creek Drain, Lake Arm

Dear Sir or Madam:

I received this notice about an assessment for this drainage ditch and my property is on 211th St & that is to run 191st to 196th. How is that to benefit me?

When they put in Seters ditch it runs over & floods my place all the time & I don't need more water standing there.

There was no phone # so I couldn't call & get an answer. I have a cell phone with 317 area code so you could call me if you would please. My # is 317-281-5789.

Thanks for your consideration
Linda Snelling

Stony Creek-Lake Arm - 191st - 196th

12-08-14-00-00-008,000

OFFICE OF
HAMILTON COUNTY DRAINAGE BOARD

Notice of Hearing to discuss the use of the unexpended funds for the extension of dredging from 191st to 196th on the **Stony Creek Drain, Locke Arm.**

Busby, Carole D Trustee
7675 W 100 N
Anderson, IN 46011

The Hamilton County Drainage Board held a public hearing on May 24th, 2010 regarding a proposed reconstruction project known as the Stony Creek Drain / Locke Arm. Your property is listed on the schedule of assessments which will start in the spring of 2011. The original hearing held on 5/24/10 had a cost estimate of \$1,372,295.00. The Drainage Board received 11.67% objections to the project. After listening to the objections the Board adjourned the hearing to the 26th of July.

At the July 26th 2010 Drainage Board meeting six (6) options were presented. Option #6 was approved with a cost estimate of \$556,151.50. The assessments were reduced to the revised cost estimate. Assessments under \$100 have been certified to start collections in 2011. Assessments over \$100 have been split and the first half will start collections in 2011 and the second half will start collections in 2012. The certified assessment roll shows your parcel as follows:

Parcel	Description	Acres Benefited	Total Reconstruction Assessment	Amount to start 2011	Amount to start 2012
12-08-20-00-00-020.000	S20 T19 R6 78.71 Ac Residential/Ag	74.03 Ac	\$5417.35	\$2708.68	\$2708.67

It now appears there may be funds available to do additional work in the watershed to further improve drainage. This work will not increase the cost above \$556,151.50.

A proposal to use the unexpended funds for the extension of dredging to the south, from 191st to 196th will be discussed at the April 25th, 2011 Drainage Board meeting. The meeting will be held at 9:15 A.M. in the Commissioner's Court.

For a copy of the Surveyor's Report to the Drainage Board and a copy of the map, if applicable, please go to www.hamiltoncounty.in.gov/drainageboardnotices.

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Parcel	Description	Acres Benefited	Total Reconstruction Assessment	Amount to start 2011	Amount to start 2012
12-08-19-00-00-006.000	S19 T19 R6 40.0 AC Residential/Ag	40.00 Ac	\$2915.20	\$1457.60	\$1457.60

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RETURNED

OFFICE OF
HAMILTON COUNTY DRAINAGE BOARD

Notice of Hearing to discuss the use of the unexpended funds for the extension of dredging from 191st to 196th on the **Stony Creek Drain, Locke Arm.**

Fisher, Lydia E
14224 196th St E
Noblesville, IN 46060

The Hamilton County Drainage Board held a public hearing on May 24th, 2010 regarding a proposed reconstruction project known as the Stony Creek Drain / Locke Arm. Your property is listed on the schedule of assessments which will start in the spring of 2011. The original hearing held on 5/24/10 had a cost estimate of \$1,372,295.00. The Drainage Board received 11.67% objections to the project. After listening to the objections the Board adjourned the hearing to the 26th of July.

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Parcel	Description	Acres Benefited	Total Reconstruction Assessment	Amount to start 2011	Amount to start 2012
12-07-24-00-00-015.001	S24 T19 R5 0.75 Ac Residential/Ag	0.75 Ac	\$5.00	\$5.00	n/a

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OFFICE OF
HAMILTON COUNTY DRAINAGE BOARD

Notice of Hearing to discuss the use of the unexpended funds for the extension of dredging from 191st to 196th on the **Stony Creek Drain, Locke Arm.**

Roudebush, Eugene F & Ruby K
1137 Wayne St
Noblesville, IN 46060

The Hamilton County Drainage Board held a public hearing on May 24th, 2010 regarding a proposed reconstruction project known as the Stony Creek Drain / Locke Arm. Your property is listed on the schedule of assessments which will start in the spring of 2011. The original hearing held on 5/24/10 had a cost estimate of \$1,372,295.00. The Drainage Board received 11.67% objections to the project. After listening to the objections the Board adjourned the hearing to the 26th of July.

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Parcel	Description	Acres Benefited	Total Reconstruction Assessment	Amount to start 2011	Amount to start 2012
12-07-27-00-00-014.000	S27 T19 R5 14.0 AC Residential/Ag	12.50 Ac	\$58.88	\$58.88	n/a

It now appears there may be funds available to do additional work in the watershed to further improve drainage. This work will not increase the cost above \$556,151.50.

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BEFORE THE HAMILTON COUNTY DRAINAGE BOARD
IN THE MATTER OF

*Stony Creek Drain/Locke Arm
191st Street to 196th Street Reconstruction*

NOTICE

To Whom It May Concern and: Busby, Carole D Trustee

Notice is hereby given of the hearing of the Hamilton County Drainage Board concerning the reconstruction of the **Stony Creek Drain/Locke Arm, 191st Street to 196th Street Reconstruction** on **April 25, 2011, at 9:15 A.M.** in Commissioners Court, Hamilton County Judicial Center, One Hamilton County Square, Noblesville, Indiana. Construction and maintenance reports of the Surveyor and the Schedule of Assessments proposed by the Drainage Board have been filed and are available for public inspection in the office of the Hamilton County Surveyor.

Hamilton County Drainage Board

Attest: Lynette Mosbaugh

ONE TIME ONLY

STATE OF INDIANA)
) SS BEFORE THE HAMILTON
)
COUNTY OF HAMILTON) DRAINAGE BOARD

IN THE MATTER OF **Stony Creek Drain, Locke Arm Dredging -
191st Street to 196th Street**

NOTICE

Notice is hereby given that the Hamilton County Drainage Board at its regular meeting **April 25, 2011** adopted the reconstruction report of the Surveyor and the Amended Schedule of damages and assessments including annual assessment for periodic maintenance, finding that the costs, damages and expense of the proposed improvement would be less than the benefits which will result to the owner of lands benefited thereby.

The Board issued an order declaring the proposed improvement established. Such findings and order were marked filed and are available for inspection in the Office of the Hamilton County Surveyor.

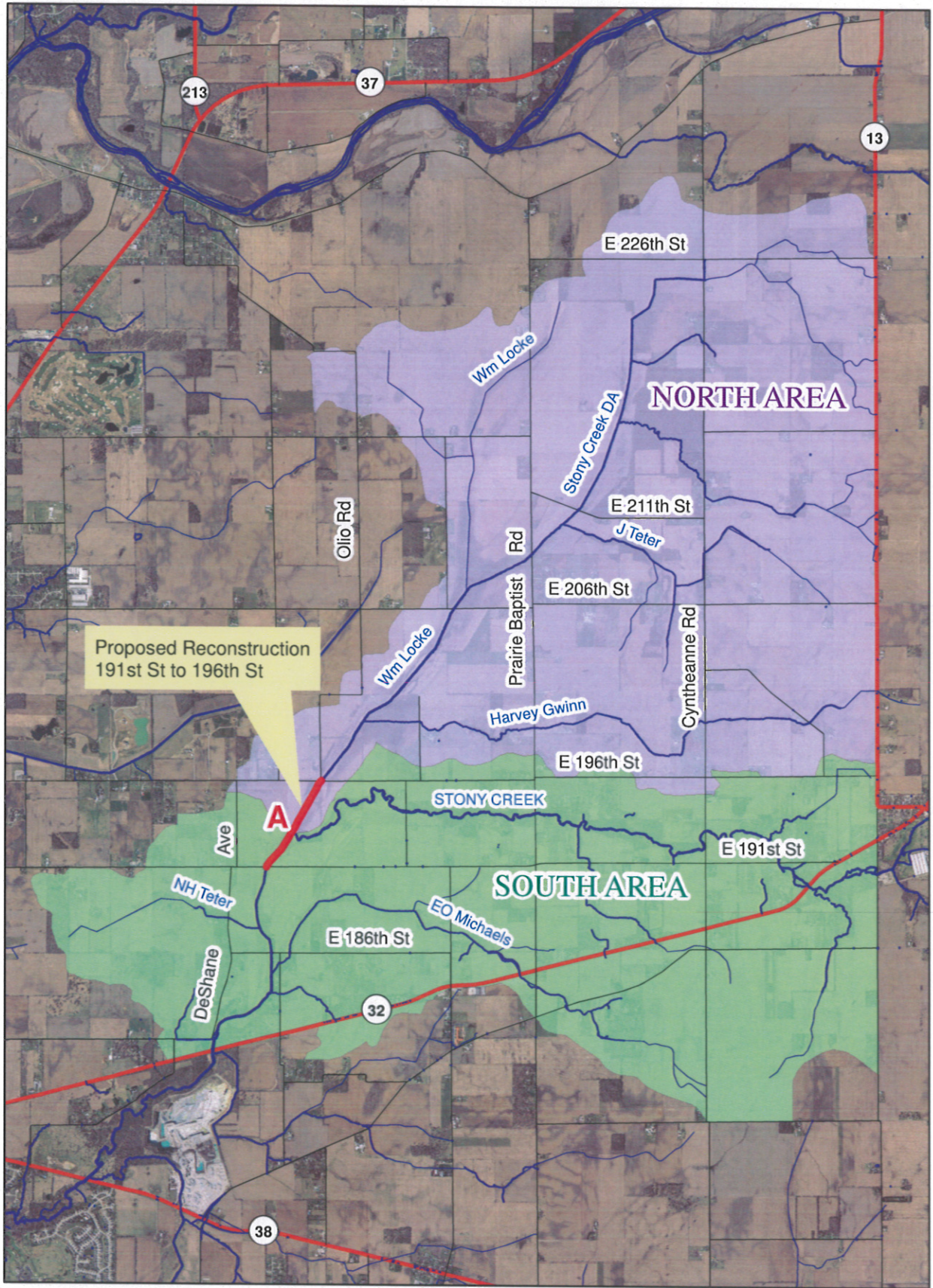
If judicial review of the findings and order of the Board is not requested pursuant to Article VIII of the 1965 Indiana Drainage Code as amended within twenty (20) days from the date of publication of this notice, the findings and order shall become conclusive.

HAMILTON COUNTY DRAINAGE BOARD

BY: Steven A. Holt
PRESIDENT

ATTEST: Lynette Mosbaugh
SECRETARY

Proposed Stony Creek Reconstruction 191st St to 196th St



Proposed Reconstruction
191st St to 196th St