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To: Hamilton County Drainage Board

February 6, 2014

Re: Lincoln Smith Regulated Drain Reconstruction
 Final Report

FINAL REPORT

Please regard this letter as the final report on the Hamilton County portion of the Lincoln Smith Regulated Drain reconstruction, located in Section 32 Township 20 North, Range 6 East, White River Township in Hamilton County, Indiana.

The Lincoln Smith Regulated Drain is a joint Hamilton County, Madison County Regulated Drain. The Hamilton County Drainage Board waived rights to a joint drainage board on March 8, 1982 (Hamilton County Drainage Book 1, Page 461).

The reconstruction was a Madison County Drainage Board project. A petition for reconstruction was received in the Madison County Surveyor's Office August 8, 2006. The signatures on the petition represented 57.9% of the ownership of the land within the Lincoln Smith watershed.

The date of the engineer's report for reconstruction and maintenance from Banning Engineering was dated July 3, 2007.

In December of 2007, a mitigation restoration project downstream of the regulated portion of the Lincoln Smith Drain was discovered. The mitigation project was a response to an After-the Fact Section 401 Water Quality Certification and Section 404 Permit to the U.S. Environmental Protection Agency (USEPA), the Indiana Department of Environmental Management (IDEM), and the U.S. Army Corps of Engineers (USACE). Their requirements were to find and restore an unregulated stream. The mitigation plan created a meandering stream and incorporated vegetated stream banks. Banning Engineering worked with the designer of the mitigation, J.F. New, to determine that diverting the upstream regulated drain to White River would not harm the mitigation project.

During the May 12, 2008 Hamilton County Drainage Board meeting the Board determined that the reconstruction would not adversely affect the downstream mitigation

and approved the plans Banning Engineering had prepared for Madison County for the reconstruction of the Lincoln Smith Drain (Drainage Book 11 Page 151).

Bids for the project were opened by the Madison County Drainage Board on June 10, 2009. The contract was awarded to Wells Excavating, 7218 S. County Road 350 W., Greensburg, IN 47240.

The construction in the Hamilton County portion of the reconstruction consisted of dredging 2,725 feet of existing open ditch and construction of 1000 feet of new open ditch.

The plans for this reconstruction were prepared by Banning Engineering as Lincoln-Smith Regulated Drain, prepared for the Madison County Drainage Board, project number 07042LS. These plans are referred to in this reconstruction report as the "Banning Engineering plan".

The existing Hamilton County portion of the open channel began approximately 1483 feet south of Strawtown Road on the west side of State Road 13 (Atlantic Road) (station 21+00 on the Banning Engineering plan) then went west approximately 1080 feet, then turned and went north 2320 feet to Strawtown Ave., which was the terminus of the 1946 description per the report filed in the Madison County Circuit Court. The open ditch continued north under Strawtown avenue and then began to turn to the west for a distance of 325 feet where it entered an open channel that was the remnant of the Indiana Central Canal constructed 1836 -1837 (station 48+25 on the Banning Engineering plan).

The reconstructed open channel follows the route of the original open channel from station 21+00 to station 48+25 on the Banning Engineering plan. Beginning at station 48+25 a new open channel has been constructed which goes north 1000 feet to White River. The new channel enters the White River approximately 1320 feet west and 2845 feet north of the southeast corner of Section 32 Township 20 North, Range 6 East. The new channel is lined the entire length on both sides with rip rap due to poor soils in the project area.

The as-built plans have been completed and are attached. This project added 1325 feet to the drain.

Maintenance of the entire Lincoln Smith regulated drain will remain under the jurisdiction of the Madison County Drainage Board.

Inspections for the project were done by Banning Engineering. Final inspection was on September 23, 2009.

I recommend the Board approve the Hamilton County portion of the reconstruction as complete and acceptable.

Respectfully,



Andrew Conover
Inspector