

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

May 9, 2019

To: Hamilton County Drainage Board

Re: Clara Knotts Drain, 96th & College Reconstruction

Attached is a map showing the extent of the proposed reconstruction of the Clara Knotts Drain Reconstruction at 96th Street and College Avenue.

The proposed reconstruction would begin at the outlet (Structure 120 of the Parkwood Crossing Arm) of the detention pond on the Parkwood Crossing Homeowner Association property, tract 16-13-11-04-17-001.006 located in the northwest corner of 96th Street and College Avenue. The reconstruction would run thence downstream in the existing 60 inch CMP drain location to a point within 96th Street approximately 174 feet east of the College Avenue intersection centerline where the drain intersects the box culvert which runs south under 96th Street. The total length is 220 feet.

All work will be done within existing regulated drain easement. Two property owners will be affected by this project. These are as follows:

Parkwood Crossing Owners Association	16-13-11-04-17-001.006
City of Carmel	96 th Street, College Avenue

After the July 2017 pipe failure of a section of this line this office has been concerned about the integrity of the remaining CMP pipe in this area. Due to the flooding in the residential area upstream during the same July storm event which caused the pipe failure, attention was diverted to the completion of reconstruction plans for the upstream area which are now completed. In May 2018 the Board gave the office the go ahead for requesting quotes for reconstructing the pipe. At first the traditional excavation and replacing the remaining 60" CMP was investigated. This method was discarded due to the number of utilities in the path, traffic disruption and expense. Quotes were then obtained in October 2018 for lining the pipe. Four quotes were received. Two quotes involved the pipe using concrete. These were rejected due to the capacity which would be lost in the pipe which was up to 4" total. It was felt that the lost capacity would be unacceptable due to the entire system upstream

was designed based on the existing pipe capacity. The quote for spray polyurethane structural lining would be the best method for the system.

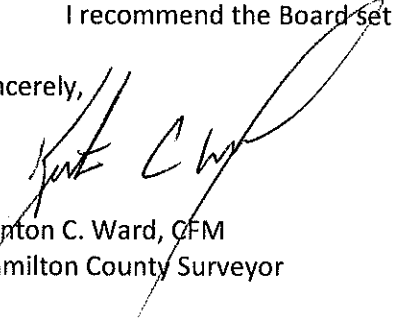
The estimate for the reconstruction is as follows:

Spray Polyurethane Structural Lining 220 feet	\$258,331.06
15% Contingency	<u>\$ 38,749.66</u>
	\$297,080.72

Funding for this project will be paid for by a Community Development Block Grant.

I recommend the Board set a hearing for this reconstruction for June 24, 2019.

Sincerely,



Kenton C. Ward, CFM
Hamilton County Surveyor

KCW/llm

STATE OF INDIANA)
)
COUNTY OF HAMILTON)

ss:

BEFORE THE HAMILTON COUNTY
DRAINAGE BOARD
NOBLESVILLE, INDIANA

IN THE MATTER OF THE
RECONSTRUCTION OF THE
Clara Knotts Drain, 96th & College Reconstruction

FINDINGS AND ORDER FOR RECONSTRUCTION

The matter of the proposed Reconstruction of the **Clara Knotts Drain, 96th & College Reconstruction** came before the Hamilton County Drainage Board for hearing **on June 24, 2019**, on the Reconstruction Report consisting of the report and the Schedule of Damages and Assessments. The Board also received and considered the written objection of an owner of certain lands affected by the proposed Reconstruction, said owner being:

Evidence was heard on the Reconstruction Report and on the aforementioned objections.

The Board, having considered the evidence and objections, and, upon motion duly made, seconded and unanimously carried, did find and determine that the costs, damages and expenses of the proposed Reconstruction will be less than the benefits accruing to the owners of all land benefited by the Reconstruction.

The Board having considered the evidence and objections, upon motion duly made, seconded and unanimously carried, did adopt the Schedule of Assessments as proposed, subject to amendment after inspection of the subject drain as it relates to the lands of any owners which may have been erroneously included or omitted from the Schedule of Assessments.

The Board further finds that it has jurisdiction of these proceedings and that all required notices have been duly given or published as required by law.

Wherefore, it is ORDERED, that the proposed Reconstruction of the **Clara Knotts Drain, 96th & College Reconstruction** be and is hereby declared established.

Thereafter, the Board made inspection for the purpose of determining whether or not the lands of any owners had been erroneously included or excluded from the Schedule of Assessments. The Board finds on the basis of the reports and findings at this hearing as follows:


HAMILTON COUNTY DRAINAGE BOARD


PRESIDENT


Member


Member

ATTEST:


Executive Secretary

BEFORE THE HAMILTON COUNTY DRAINAGE BOARD
IN THE MATTER OF

Clara Knotts Drain, 96th & College Reconstruction

NOTICE

To Whom It May Concern and: _____

Notice is hereby given of the hearing of the Hamilton County Drainage Board concerning the reconstruction of the **Clara Knotts Drain, 96th & College Reconstruction** on **June 24, 2019** at **9:00 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 **Clara Knotts Drain, 96th & College
Reconstruction**

NOTICE

Notice is hereby given that the Hamilton County Drainage Board at its regular meeting **June 24, 2019** 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.

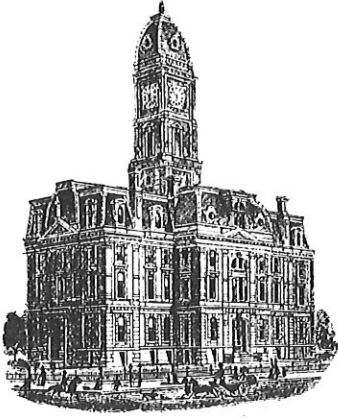
The Board issued an order declaring the proposed improvement established. Such findings and order were marked filed and are available for inspection in the Office of the Hamilton County Surveyor.

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: Christine Altman
PRESIDENT

ATTEST: Lynette Mosbaugh
SECRETARY



KCW

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

September 25, 2020

TO: Hamilton County Drainage Board

RE: Clara Knotts Drain, 96th & College Reconstruction

Final Inspection Report

This is the inspector's final report on the Clara Knotts Regulated Drain, 96th & College Reconstruction. This project was located in Section 11, Township 17, Range 3 in Clay Township of Hamilton County, Indiana at the intersection of 96th Street and College Avenue.

The reconstruction consisted of dewatering, cleaning, televising, stabilizing, and applying a structural spray lining to 200 lineal feet of existing 60" CMP storm pipe.

The Hamilton County Drainage Board received a bid submitted by Fluid Waste Services Inc. at the March 23, 2020 meeting in the amount of \$344,230.00 (see Hamilton County Drainage Board Minutes Book 19, page 173). The contract was awarded to Fluid Waste Services Inc. at the April 13, 2020 Drainage Board meeting (see Hamilton County Drainage Board Minutes Book 19, page 180). The Drainage Board also approved an agreement with the Hamilton County Commissioners to fund this project with a Community Development Block Grant (CDBG). (See Hamilton County Drainage Board Minutes Book 19, page 180).

A pre-construction meeting was held on site April 16, 2020 with the contractor, City of Carmel and the Surveyor's Office in attendance. An online (Zoom) meeting was held on May 1, 2020 with Fluid Waste Services, Inc., Hamilton County Surveyor's Office and Christopher Allen, (CDBG) Grant Coordinator to discuss the grant requirements and reporting needed. The contractor started the work on May 5, 2020 and completed the work on June 9, 2020. The work was completed, meeting all contract specifications. A photo packet of the project is available for inspection in the Hamilton County Surveyor's Office.

Fluid Waste Services Inc. submitted a claim in the amount of \$344,230.00 on June 9, 2020. The claim was processed with a 15% retainage withheld in the amount of \$51,634.50 per contract

specifications. Fluid Waste Services Inc. received a check in the amount of \$292,595.50 on July 14, 2020. Fluid Waste Services Inc. submitted the E-1 form stating all incurred expenses had been paid and a claim for the retainage on July 15, 2020 as per IC 36-9-27-82(b). Fluid Waste received the check for the 15% retainage in the amount of \$51,634.50 on September 15, 2020. Total payment to Fluid Waste Services, Inc. \$344,230.00.

The Community Development Block Grant funds were received and quietused into the Clara Knotts Regulated Drain fund on July 28, 2020.

There were \$345,000.00 budgeted for this project from CDBG funds. This was out of a total of \$634,344.36 for the overall Knotts Drain. This leaves a balance for the Knotts Drain of \$284,344.36 per email dated May 20, 2020 from Chris Allen of the Noblesville Housing Authority.

The contractor's bond was released by the Board at the September 28, 2020 Drainage Board meeting.

As of June 9, 2020, I hereby attest to and agree that the reconstruction was completed according to specified plans and have approved such work under IC 36-9-27-82(a). All inspections have been completed.

The Performance bond for this work was released by the Hamilton County Drainage Board at it's September 28, 2020 meeting.

I recommend the Hamilton County Drainage Board accept the reconstruction as complete and acceptable.

Submitted by,



Stephen A. Baitz
Drainage Inspector

SAB/pll