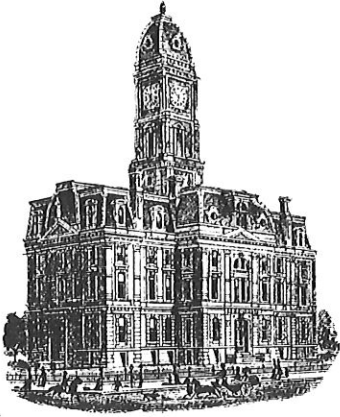


KCW



SURVEYOR'S OFFICE
Hamilton County

Kenton C. Ward, CFM
Surveyor of Hamilton County
Phone (317) 776-8495
Fax (317) 776-9628

Suite 188
One Hamilton County Square
Noblesville, Indiana 46060-2230

To: Hamilton County Drainage Board

June 9, 2021

Re: Canal Place Drain, Strongbow Gate Arm

Attached are plans for the reconstruction of the Strongbow Gate Arm of the Canal Place Drain. The proposal is designed to remedy the flooding which occurs on 104th Street and Strongbow Road/Crestmoor Lane.

At it's April 27, 2020 meeting the Board approved funding for half of the study of the situation at the above referenced intersection. The study was done by DLZ which Fishers has retained on an on-call basis. The cost was \$9,200.00 of which \$4,600.00 was paid through the Canal Place Drainage Fund. The City of Fishers paid \$19,700.00 for the design of the needed reconstruction (see Hamilton County Drainage Board Minutes Book 19, page 203).

The study found the outlet for the north pond in Strongbow Gate was smaller than required. The proposed reconstruction consists of 77 feet of 30" RCP and 2 60" manholes. The existing 74 feet of 15" RCP will be taken out of service by removing 8 feet of RCP as it comes into the existing structure, removing and replacing the existing outlet structure at the pond and filling the remaining tile with flowable fill.

This work is reflected in the plans as prepared by DLZ dated May 26, 2021, DLZ Project Number 2063-5047-70. The cost estimate for this work is \$62,150.00. Currently the maintenance fund for the Canal Place Drain has a balance of \$137,535.25. I recommend that the construction cost be taken from the maintenance funds as allowed under IC 36-9-27-45.5.

I recommend the Board set a hearing for this matter for July 26, 2021.

Sincerely,

Kenton C. Ward, CFM
Hamilton County Surveyor

KCW/llm

STATE OF INDIANA)
) ss:
COUNTY OF HAMILTON)

BEFORE THE HAMILTON COUNTY
DRAINAGE BOARD
NOBLESVILLE, INDIANA

IN THE MATTER OF THE
RECONSTRUCTION OF THE
Canal Place Drain, Strongbow Gate Arm

FINDINGS AND ORDER FOR RECONSTRUCTION

The matter of the proposed Reconstruction of the **Canal Place Drain, Strongbow Gate Arm** came before the Hamilton County Drainage Board for hearing **on July 26, 2021**, 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 **Canal Place Drain, Strongbow Gate Arm** 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

Canal Place Drain, Strongbow Gate Arm

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 **Canal Place Drain, Strongbow Gate Arm** on **July 26, 2021** at **9:10 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 **Canal Place Drain, Strongbow Gate Arm**

NOTICE

Notice is hereby given that the Hamilton County Drainage Board at its regular meeting **July 26, 2021** 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 C. Dillinger
PRESIDENT

ATTEST: Lynette Mosbaugh
SECRETARY



Kenton C. Ward, CFM
Surveyor of Hamilton County
Phone (317) 776-8495
Fax (317) 776-9628

Suite 188
One Hamilton County Square
Noblesville, Indiana 46060-2230

August 22, 2023

TO: Hamilton County Drainage Board

RE: Canal Place Drain, Strongbow Gate Arm Reconstruction – Final Report

This is the final report on the Canal Place Drain, Strongbow Gate Arm Reconstruction. The drain reconstruction work consisted of replacing an undersized pond outlet pipe in the Strongbow Gate Development located in Section 12, Township 17 North, Range 5 East in Fall Creek Township, Hamilton County, Indiana.

At the April 27, 2020 meeting of the Hamilton County Drainage Board the County Surveyor informed the Board of a drainage/flooding issue in the Strongbow Gate Development in Fishers. There existed a problem with the pond outlet located on the southside of 104th Street that caused the flooding of the road. The City of Fishers had DLZ on retainer to study the problem and asked the County to pay for half of the study. The cost of the study was \$9,200.00 and the County's share was \$4,600.00. The Board approved the \$4,600.00 to be taken from the drain fund. (Hamilton County Drainage Board Minutes Book 19, page 203).

During the June 14, 2021 meeting of the Hamilton County Drainage Board the Surveyor requested a hearing for July 26, 2021 for the Canal Place Drain, Strongbow Gate Arm Reconstruction. (Hamilton County Drainage Board Minutes Book 20, Page 56)

The July 26, 2021 meeting of the Hamilton County Drainage Board the Board heard the Surveyor's report for the Canal Place Drain, Strongbow Gate Arm Reconstruction. The engineers estimate for the reconstruction was \$62,150.00. (Hamilton County Drainage Board Minutes Book 20, pages 99-100).

At the August 9, 2021 meeting of the Hamilton County Drainage Board Liston informed the Board of potential utility conflicts on the proposed Canal Place Drain, Strongbow Gate Arm Reconstruction. (Hamilton County Drainage Board Minutes Book 20, page 127).

On August 18, 2021, a request for quote packets were mailed to Drainage Board Contractors John Ward Construction, Agricon Inc. and Elevation Excavation with a deadline to submit the quote by 12:00 noon on Monday, September 13, 2021.

The August 23, 2021 meeting of the Hamilton County Drainage Board the Surveyor informed the Board we are asking for quotes for the Canal Place Drain, Strongbow Gate Reconstruction to be opened at the September 13, 2021 meeting. (Hamilton County Drainage Board Minutes Book 20, Page 134)

The August 23, 2021 meeting of the Hamilton County Drainage Board Liston updated the Board of potential utility conflicts on the proposed the Canal Place Drain, Strongbow Gate Arm reconstruction. The most problematic being Ninestar Connect due to single primary electric feed for the development. Any disruption of the electric service would affect approximately 75 homes in the existing development. The office worked with the utility and the City of Fishers to resolve the issue. (Hamilton County Drainage Board Minutes Book 20, Page 142)

The September 13, 2021 meeting of the Hamilton County Drainage Board the Board received one (1) quote from Agricon Inc. for the Canal Place Drain, Strongbow Gate Arm Reconstruction. Agricon's quote was for \$106,750.00. The quote was referred to the office for review and recommendation at the September 27, 2021 Hamilton County Drainage Board meeting. (Hamilton County Drainage Board Minutes Book 20, Page 143)

The September 27, 2021 meeting of the Hamilton County Drainage Board the Board awarded the quote/bid for the Canal Place Drain, Strongbow Gate Arm reconstruction to Agricon Inc. in the amount of \$106,750.00. (Hamilton County Drainage Board Minutes Book 20, Pages 171-172)

The Pre-Construction Meeting was held on November 10, 2021 and the Notice to Proceed issued November 12, 2021 to Agricon, Inc.

Due to existing utility conflict with Ninestar Connect the reconstruction was delayed until the conflict was resolved and a new secondary electric facility installed by Ninestar. This installation allowed the primary electric feed to be de-energized and terminated to allow the new pipe installation. The office received notification from Ninestar on December 7, 2022 the utility relocation work and de-energizing of the primary feed had been completed.

The Canal Place Drain, Strongbow Gate Arm Reconstruction consisted of installing 77 feet of 30" pipe, setting new pond control 60" MH structure, installation of a new 60" MH structure, tree clearing, demolition work, regrading and restoration of area.

During the reconstruction there was a minor change made to the original design of DLZ. Per the original plan, the existing 15" pipe was proposed to be flow filled and left in place. The pipe was not flow filled or removed and was left in place due to existing utilities and irrigation facilities. A cleanout riser was installed on the upstream of the pipe and is depicted on the as-built drawings for the project.

The following are the installed lengths of 30" RCP pipes between storm structures.

Structures	Proposed	Actual	Pipe
Existing Structure – Structure ST-2	42 LF	40 LF	30"
Structure ST-2 – Pond Control Structure	<u>35 LF</u>	<u>34 LF</u>	30"
Total	77 LF	74 L	

During the reconstruction there was One (1) Change Order.

Change Order #1 dated January 30, 2023 was taken to the Hamilton County Drainage Board at the February 13, 2023 meeting for discussion and approval of additional work and a deduction required for the project. (Hamilton County Drainage Board Minutes Book 21, Page 171).

The following is an additional to the Canal Place Drain, Strongbow Gate Arm Reconstruction contract.

1. 001 – Hydro Excavate Utility Conflict	<u>\$ 1,075.00</u>
Total Cost of additional on Change Order # 1	\$ 1,075.00

The following is a deduction from the Canal Place Drain, Strongbow Gate Arm Reconstruction contract.

Line 6 – Concrete Washout	<u>\$ -1,500.00</u>
Total Cost of Deduction from Change Order # 1	\$ -1,500.00

Agricon’s Contract	\$106,750.00
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Additional Cost with CO #1	<u>\$ 1,075.00</u>
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Total	\$107,825.00
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Deduction with CO #1	\$ (1,500.00)
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Total	\$106,325.00
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During the project there were three (3) pay applications.

Pay Application # 1 Total	\$ 98,225.00
Retainage	<u>\$ (14,733.75)</u>
Amount Paid to Agricon (02/28/23)	\$ 83,491.25

Pay Application # 2 Total	\$ 8,100.00
Retainage	<u>\$ (1,215.00)</u>
Amount Paid to Agricon (05/09/23)	\$ 6,885.00

Pay Application # 3 Total (Retainage)	\$ (15,948.75)
Amount released to Agricon (06/13/23)	<u>\$ 15,948.75</u>
Total Paid to Agricon	\$ 106,325.00

Contractors Quote	\$ 106,750.00
Total Addition of Change Order 1	<u>\$ 1,075.00</u>
	\$ 107,825.00

Deletion from Contract (Change Order 1)	<u>\$ (1,500.00)</u>
Total Paid to Agricon	\$ 106,325.00
Study & Engineering (Paid by City of Fishers)	<u>\$ 29,077.00</u>
Total Reconstruction Cost	\$ 135,402.00

The as-built drawings were completed by Brian Rayl, RLS, of the Hamilton County Surveyor's Office. The drawings were received on February 7, 2023 and reviewed by Jerry Liston on February 9, 2023.

The study and engineering for the project was paid by the City of Fishers and totaled \$29,077.00. The construction cost was paid from the Canal Place Drainage Fund and totaled \$106,325.00. The combined total is \$135,402.00. At the April 27, 2020 Drainage Board meeting the Board approved funding \$4,600 from the Canal Place Drainage Fund for a study by DLZ retained by the City of Fishers. (Hamilton County Drainage Board Minutes Book 19, Page 203). The \$4,600.00 was paid to the City of Fishers with check 2327438 dated 07/28/2020. To make the total project cost a 25%/75% match, the City of Fishers was billed \$9,373.50 to make their grand total \$33,850.50. The \$9,373.50 to be placed into the Canal Place Drainage Fund to make the grand total from the drainage fund \$101,551.00. The following is a breakdown of costs associated with the Canal Place Drain, Strongbow Gate Arm Reconstruction.

	Pd by Fishers	Pd by Drain Fund	Total
Study by DLZ	\$9,300.00	\$0.00	\$9,300.00
Engineering	\$19,777.00	\$0.00	\$19,777.00
Construction	\$0.00	\$106,325.00	\$106,325.00
Sub-Total:	\$29,077.00	\$106,325.00	\$135,402.00
County Reimbursed City 50% for DLZ contract	(\$4,600.00)	\$4,600.00	
Sub Totals:	\$24,477.00	\$110,925.00	
City reimburse County to make total project 25/75 match	\$9,373.50	(\$9,373.50)	
Grand total after City pays to make totals 25/75 match	\$33,850.50	\$101,551.50	\$135,402.00
	25% of Total	75% of Total	

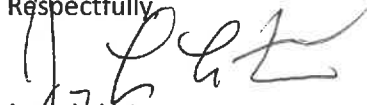
The contractor's statement that all incurred expenses have been paid was signed by the contractor as required in IC-36-9-27-82(b) was received on April 14, 2023.

The reconstruction was awarded thru quotes, so bonds were not required.

As of June 28, 2023, I hereby attest to and agree that the Canal Place Drain, Strongbow Gate Arm Reconstruction was completed according to specified plans and have approved such work under IC-36-9-27-82(a). All inspections have been completed for the reconstruction.

I recommend the Board approve the drain's reconstruction as complete and acceptable.

Respectfully,



Jerry L. Liston
Hamilton County Surveyor's Office

HAMILTON COUNTY SURVEYOR'S OFFICE
"AS-BUILT" RECORD DRAWING
CANAL PLACE REGULATED DRAIN
(STRONGBOW GATE RECONSTRUCTION THOMAS WEST ARM)



0' 15' 30'

Scale: 1" = 30'

F.B. #14 Page 68-69
 Drawn By: Teresa Dudley
 DATE: 04-28-2023

THE AS-BUILT SURVEY USED THE FOLLOWING DATUM:
 HORIZONTAL DATUM: NAD 1983 INDIANA EAST 1301 US SURVEY FOOT
 VERTICAL DATUM: (NAVD 88) (GEOID 18)



"AS-BUILT" CERTIFICATION

"AS BUILT" INFORMATION COLLECTED BY HAMILTON COUNTY SURVEYOR'S OFFICE. I HEREBY CERTIFY TO THE BEST OF MY KNOWLEDGE AND BELIEF, A TRUE AND CORRECT REPRESENTATION OF THE LOCATIONS AND ELEVATIONS OF THE "AS-BUILT" REGULATED DRAIN IMPROVEMENTS AS SHOWN PER PLANS PREPARED BY DLZ INDIANA, LLC. (PROJECT NO. 2063-5047-70, DATED 8/6/2021). INFORMATION OBTAINED BY FIELD SURVEY ON 04/25/2023

CERTIFIED BY: 
 BRIAN K. RAYL, PS
 PROFESSIONAL SURVEYOR
 INDIANA LICENSE NO. 20100070



DATE: April 28, 2023

THIS DRAWING IS NOT INTENDED TO BE REPRESENTED AS A RETRACEMENT OR ORIGINAL BOUNDARY SURVEY, A ROUTE SURVEY, OR SURVEYOR LOCATION REPORT



HAMILTON COUNTY, INDIANA
 HAMILTON COUNTY SURVEYOR'S OFFICE
 HAMILTON COUNTY GOVERNMENT AND JUDICIAL CENTER
 ONE HAMILTON COUNTY SQUARE, SUITE 188
 NOBLESVILLE, IN 46060
 PHONE: (317) 776-8495
 FAX: (317) 776-9628
 SURVEYOR@HAMILTONCOUNTY.IN.GOV

S:\E-SURV\PROJECTS\SUBDIVISIONS\CANAL PLACE DRAIN\DWG\As_Built_Canal Place Drain.dwg