

SURVEYOR'S OFFICE

Hamilton County

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

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

November 14, 2016

To: Hamilton County Drainage Board

Re: Reconstruction of a portion of the Section 1 Arm of the Anchorage Regulated Drain

Attached is a drain map and petition for the re-construction of a portion of the Anchorage Regulated Drain in the Anchorage Subdivision. The portion of the regulated drain to be reconstructed is located in Fall Creek Township, Section 10, Township 17 North, Range 5 East.

History

The Section 1 Arm of the Anchorage Regulated Drain was constructed in 1991. The portion of the drain to be reconstructed is presently a 6" SSD installed in 1991. Approval for maintenance of the Section 1 Arm of the Anchorage Drain was granted by the Drainage Board on June 17, 1991 (see Hamilton County Drainage Board Minutes Book 2, page 538)

There is a chronic issue of standing water at the rear of Lots 4 and 5 from water draining from the Brooks School Road right-of-way. There are two complaints on file for the area of standing water on Lot 4. The first complaint was filed by Mr. William Hanley on April 2, 2012. The second complaint was filed by Mr. William Hanley on June 26, 2015.

Work Order WO-2012-00125 was issued on April 4, 2012 and closed on January 11, 2013. The work included the installation of a new surface drainage inlet to the SSD on Lot 4 as well as connection of the SSD to a positive outfall which apparently had not been completed during the initial installation of the SSD in 1991. The existing 6" SSD was repaired as needed. The spot repair work totaled 168-LF.

A drainage investigation was completed on June 29, 2015 in response to the complaint received on June 26, 2015. The existing SSD was found to be functioning at the location of the complaint and the complaint was closed on July 7, 2015.

On April 8th, 2016, the City of Fishers filed a petition for reconstruction of the SSD. The petition was presented to the Board on April 25th, 2016 (see Hamilton County Drainage Board Minutes Book 16, page 536).

Project Description

The project includes the installation of 402-LF of 15" RCP, 3 manholes and ancillary/incidental construction. The reconstruction project will reconstruct 249-LF of the existing drain, construct 153-LF of drain off the current alignment of the existing drain and abandon 167-LF of the existing drain in place.

The intent of the design is to replace the existing 6" SSD with a larger diameter pipe and drainage inlets to facilitate drainage of surface runoff. The existing 6" SSD is connected to a structure at the southeast corner of Lot 6 (identified as Structure 8918 on the Construction Plans). This Structure is drained by a 15-inch reinforced concrete pipe. It was decided to replace the 6" SSD with as large a pipe as possible; which in this case is a 15-inch pipe. Three new manholes (Structures 1, 2 and 3 on the Construction Plans) are proposed where the new pipe changes alignment to follow the property lines and remain within the existing easement. Manholes are proposed due to the proposed depth of the new pipe. The new pipe does not follow the exact alignment of the existing 6" SSD along the Lot 5/Lot 6 property line due to existing utility riser boxes near the roadway and existing mature trees at the rear of Lot 6. The project will replace the existing inlet to the 6" SSD at the rear of Lot 4 with a full structure (Structure No. 3) with a beehive casting to better intercept the runoff from the Brooks School Road right-of-way. During rain events where the capacity of the new pipe is exceeded, runoff will continue to drain in the overland swale along the rear of Lots 4 and 5 and between Lots 5 and 6.

The existing 6" SSD south and west of the inlet to the 6" SSD on Lot 4 will be connected to the new Structure on Lot 4 (Structure No.3). The portion of the existing 167 feet of 6" SSD that runs along the property line of Lots 5 and 6 will remain in place and be connected to Structure No.2 to ensure that any existing roof drains and/or sump lines connected to the existing 6" SSD maintain a positive outlet. However, this portion of the SSD will no longer be regulated drain.

Easements

No additional easements are required for the project. The new drain will be constructed in existing platted drainage and drainage and utility easements. The easements per the plat for the Anchorage, as recorded in the office of the Hamilton County Recorder as Instrument No. 9117550, P.C. No. 1, Slide No. 173, that will be utilized are as follows:

- Variable Width D & UE on the southeast side of Lot 6
- 15' DE on the southwest side of Lot 6
- 25' D & UE on the southeast side of Lot 5
- 15' DE on the northeast side of Lot 5
- 25' DE on the northwest side of Lots 4, 5 and 6

Permits

No permits from Federal or State Agencies are required for this project.

Project Cost

On October 24, 2016 the Board opened bids for the proposed reconstruction. At that time two bids were received and opened. Those were as follows:

Morphey Construction, Inc.	\$51,562.00
Monroe, LLC	\$68,500.00

Using the low bid of \$51,562.00, plus adding a 15% contingency of surveying, engineering, \$7,734.30 the total construction cost will be \$59,296.30. Engineering, construction staking and asbuilt drawings have been and will be done in house by the Surveyor's Office.

Project Funding

Upon review of the parcels within the drainage shed, I believe that that the City of Fishers should pay half of the cost of the project due to the amount of surface water draining from Brooks School Road. This amount would be \$29,648.15. Presently, the maintenance fund balance for the Anchorage Drain is \$12,920.44. Per IC 36-9-27-45.5 the Board may utilize 75% of this fund for the work which would be \$9,690.33. I recommend that the remaining balance of \$19,957.82 be taken out of the General Drain Improvement Fund and paid back from the increased drainage assessments as outlined below at a rate of \$4,878.96 over the next five years assessments beginning in 2017. This approach would negate the need for a reconstruction assessment on the residents of the Anchorage for this project.

I believe no damages will result to the landowners. Damages are set at zero (0).

Changes to the Drain

The drain currently consists of 2,664-LF of pipe of various sizes. The length of SSD will be reduced by 416-LF and the length of 15" RCP increased by 402-LF. The total length of the drain will be shortened by 14-feet with this project for a total length of 4,557-LF.

Maintenance of Drain

The Anchorage Drainage shed consists of 21.93 acres and 70 lots. At the September 26, 2016 Board meeting the Board increased the maintenance assessment rates to the following:

Maintenance assessment for platted lots within subdivisions be set at \$65.00 per lot/minimum. Common areas set at \$10.00 per acre with a \$65.00 minimum.

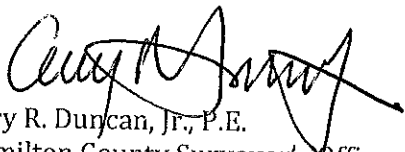
Maintenance assessment for roads and streets be set at \$15.00 per acre.

With the above rates, the drain will collect \$4,878.96 annually. Collections at the revised rates shall begin in May of 2017.

The collection period was also increased from 4 times the annual assessment to 8 times the annual assessment as allowed under IC-36-9-27-43.

I recommend that the Board set a hearing for this proposal for December 21, 2016.

Sincerely,



Gary R. Duncan, Jr., P.E.
Hamilton County Surveyor's Office

FILED

APR 08 2016

To: Hamilton County Drainage Board

Re: In the matter of the _____ Anchorage _____ Drain Petition

OFFICE OF HAMILTON COUNTY SURVEYOR

Comes now the undersigned individuals, who petition the Hamilton County Drainage Board, per IC 36-9-27, for the reconstruction of the above referenced regulated drain. The undersigned believe the following:

1. They are owners of ten percent (10%) in acreage or more of land area alleged by the petition to be affected by the drain.
2. That as property owners within the drainage shed, they are qualified petitioners.
3. That they now desire that a regulated drain be reconstructed in Fall Creek Township.
4. The names and address of each owner affected by the proposed public drainage are attached hereto, made a part hereof, and marked Exhibit "A", which area of land involved in the proposed drainage area is located in section 10, township 17 north, range 5 east, Hamilton County, Indiana.
5. That the proposed reconstruction consists of the extension of the 15" RCP storm sewer on Treeline Court in front of Lot 6 of the Anchorage to the rear yard of Lot 4 of the Anchorage.
6. That in the opinion of the Petitioner, the costs, damages, and expenses of the proposed improvement will be less than the benefits which will result to the owners of the land to be benefited thereby.
7. That in the opinion of the Petitioner, the proposed improvement will improve the public health; benefit a public highway; and be of public utility.
8. That Petitioners shall pay the cost of notice and all legal costs including engineering expense if the petition is dismissed.
9. Petitioners shall post a bond, if required, to pay the cost of notice and all legal costs in the case the improvement is not established.

Signature	Printed Name	Printed Address
<i>Patricia A. Williams</i>	Patricia A. Williams	10336 Treeline Ct. Fishers, IN 46037
<i>Eric W. Hill</i>	Eric W. Hill	10336 Treeline Ct. Fishers,
<i>Tom Staman</i>	Tom Staman	10346 Treeline Ct
<i>Tony Toki</i>	Tony Toki	10215 Summerlin way
<i>Robyn Cefali</i>	Robyn Cefali	10200 Summerlin
<i>Cheryl Toyer</i>	Cheryl Toyer	10205 Summerlin way
<i>JACK</i>	JACK	10169 Summerlin way
<i>Ryan</i>	Ryan	Hind 5 10366 Treeline Ct.
<i>Lynette Small</i>	Lynette Small	10396 Treeline Ct, Fishers, IN
<i>Scott Fodness</i>	Scott Fodness	10387 Treeline Ct 46037
<i>Jeanne Saferight</i>	Jeanne Saferight	10306 Treeline Ct. 46037
<i>Scott Fodness</i>	Scott Fodness, Mayor	1 Municipal Drive, Fishers, IN 46038
	City of Fishers	

Adobe PDF Ffillable Form

STATE OF INDIANA)
) ss:
COUNTY OF HAMILTON)

BEFORE THE HAMILTON COUNTY
DRAINAGE BOARD
NOBLESVILLE, INDIANA

IN THE MATTER OF THE
RECONSTRUCTION OF THE
Anchorage Drain

FINDINGS AND ORDER FOR RECONSTRUCTION

The matter of the proposed Reconstruction of the *Anchorage Drain* came before the Hamilton County Drainage Board for hearing on *December 21, 2016*, 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 *Anchorage Drain* 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

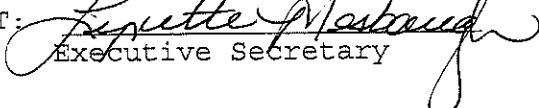


PRESIDENT



Member

Member

ATTEST: 
Executive Secretary

BEFORE THE HAMILTON COUNTY DRAINAGE BOARD
IN THE MATTER OF

*Anchorage Regulated Drain
Reconstruction of a portion of the Section 1 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 **Anchorage Regulated Drain, Reconstruction of a portion of the Section 1 Arm** on December 21, 2016 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 Anchorage Drain Reconstruction

NOTICE

Notice is hereby given that the Hamilton County Drainage Board at its regular meeting December 21, 2016 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.

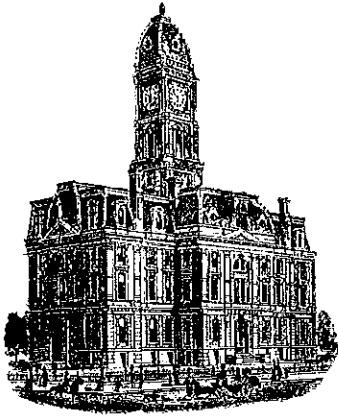
If judicial review of the findings and order of the Board is not requested pursuant to Article VIII of the 1965 Indiana Drainage Code as amended within twenty (20) days from the date of publication of this notice, the findings and order shall become conclusive.

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
Fax (317) 776-9628

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

August 23, 2017

TO: Hamilton County Drainage Board

**RE: Anchorage Drain Reconstruction
Final Inspection Report**

FINAL INSPECTION REPORT

This is the Inspector's Final Report on the Anchorage Drain Reconstruction, across Lots 4, 5 and 6 located in Section 10, Township 17 North, Range 5 East in Fall Creek Township, Hamilton County, Indiana.

At the December 21, 2016 meeting of the Hamilton County Drainage Board the hearing for the Anchorage Drain Reconstruction was held and the Surveyor's Report dated November 14, 2016 was approved and the Findings and Orders signed (see Hamilton County Drainage Board Minutes Book 17, Pages 233 - 236).

At the January 9, 2017 meeting of the Hamilton County Drainage Board the contract for the Anchorage Drain Reconstruction was awarded to Morphe Construction for \$51,562.00. (see Hamilton County Drainage Board Minutes Book 17, Page 250)

The cost estimate for the Anchorage Drain Reconstruction was \$59,296.30. This figure was achieved by taking the low bid of \$51,562.00 and adding a fifteen percent (15%) contingency. The drain reconstruction was split 50/50 by Hamilton County and the City of Fishers per an Interlocal Agreement approved and signed by the City of Fishers Council on January 17, 2017 and by the Hamilton County Drainage Board on February 13, 2017 (see Hamilton County Drainage Board Minutes Book 17, Page 268).

During the project there was one (1) change order:

Change Order # 1 dated July 20, 2017 was taken to the Hamilton County Drainage Board at the July 24, 2017 meeting for discussion of additional work required due to new storm alignment and conflict of existing AT&T facilities (see Hamilton County Drainage Board Minutes Book 17, Page 423). The change order was approved by the Board on September 9, 2017 and consisted of the concrete drive repair and water meter pit relocation (see Hamilton County Drainage Board Minutes Book 17, pages 486 – 487).

The following is a breakdown of all costs associated with the Anchorage Drain Reconstruction.

During the project there were four (4) Pay Applications:

Pay Application # 1 Total-----	\$41,343.00
Retainage -----	<u>\$(6,201.45)</u>
Amount Paid to Morphey Construction (03/14/2017) -----	\$35,141.55
Pay Application # 2 Total -----	\$10,219.00
Retainage -----	<u>\$(1,532.85)</u>
Amount Paid to Morphey Construction (03/28/2017) -----	\$8,686.15
Pay Application # 3 Total -----	\$ 3,528.27
Retainage -----	\$ (529.24)
Amount Paid to Morphey Construction (10/10/17) -----	\$2,999.03
Pay Application # 4 Total – Retainage (10/24/2017) -----	<u>\$8,263.54</u>
Total Paid to Morphey Construction-----	\$55,090.27
Contract-----	\$51,562.00
Change Order #1 -----	\$ 3,528.27
Total Paid to Morphey Construction-----	\$55,090.27
Engineer’s Estimate-----	\$59,296.30
Total Cost-----	<u>\$55,090.27</u>
Difference-----	\$ 4,206.03
City of Fisher’s Portion (50%) \$25,781 received 4/13/17 & \$1,764.14 received 9/28/17-	\$27,545.14
Reconstruction cost from Anchorage Fund -----	<u>\$27,545.13</u>
Total Funded -----	\$55,090.27

The original storm sewer design for the Anchorage reconstruction called for 400.96 feet of new drain. The alignment of the new 15” storm drain between Existing Structure 8918 and Structure 1 was adjusted to avoid existing AT&T underground electric facilities. This resulted in 81’ of drain installed instead of the design length of 80.45’. This alignment change resulted in the 15” RCP run between Structures 1 and 2 being lengthened from to 152’ instead of the design length of 150.73’. The 15” RCP run between Structures 2 and 3 was shorten approximately 5 feet due to a conflict with a Duke Energy underground 3-Phase electric cable located outside of the drainage and utility easement between Lots 3 and 4. The total length of new 15” RCP storm drain installed by Morphey Construction on the Anchorage Drain reconstruction was 397 feet.

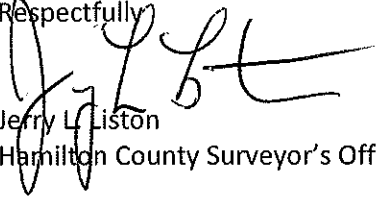
Engineering, Construction Staking and As-built Drawings were completed in house by the Hamilton County Surveyor's Office.

On July 20, 2017 this Office received from Morphe Construction Form E-1 stating that all expenses incurred for labor and material have been paid in full as per IC 36-9-27-82(b).

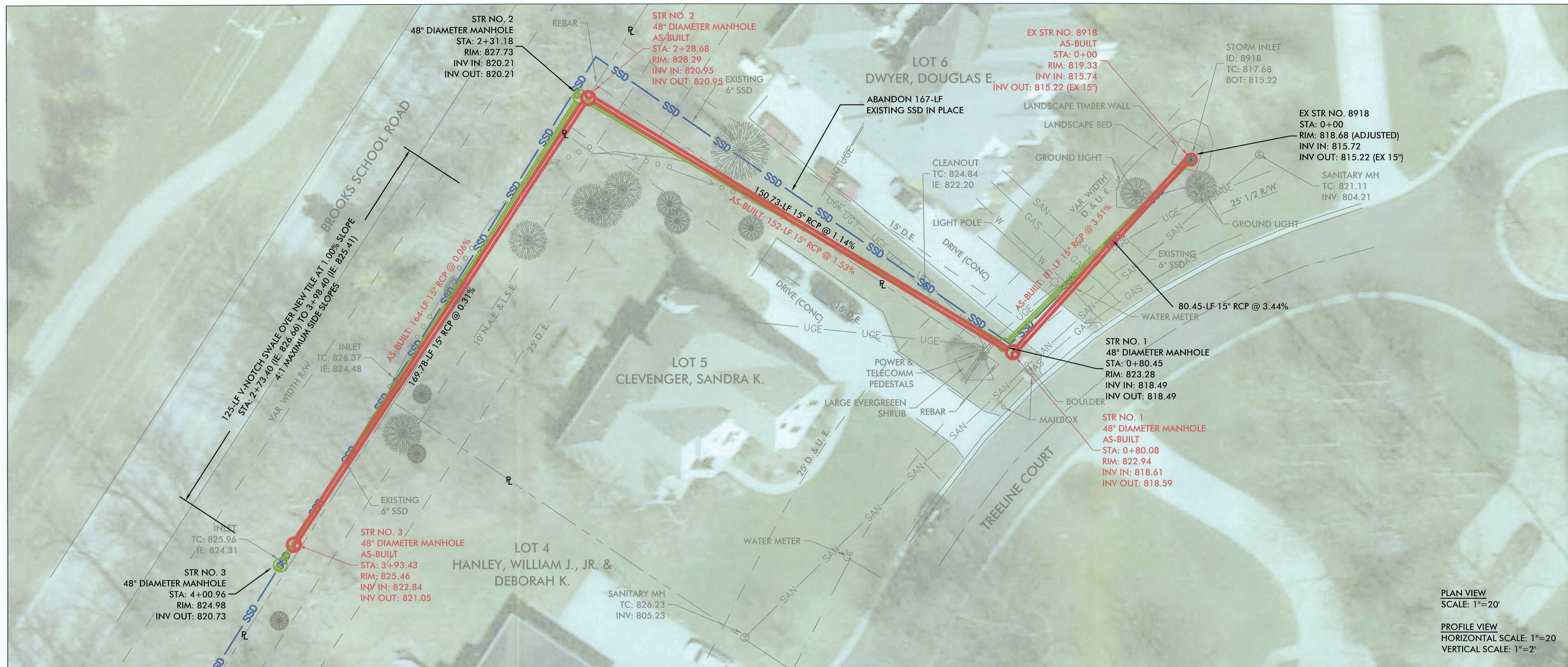
As of the date of this report, I hereby attest to and agree that the reconstruction was completed according to specified plans, change orders and inspections.

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

Respectfully

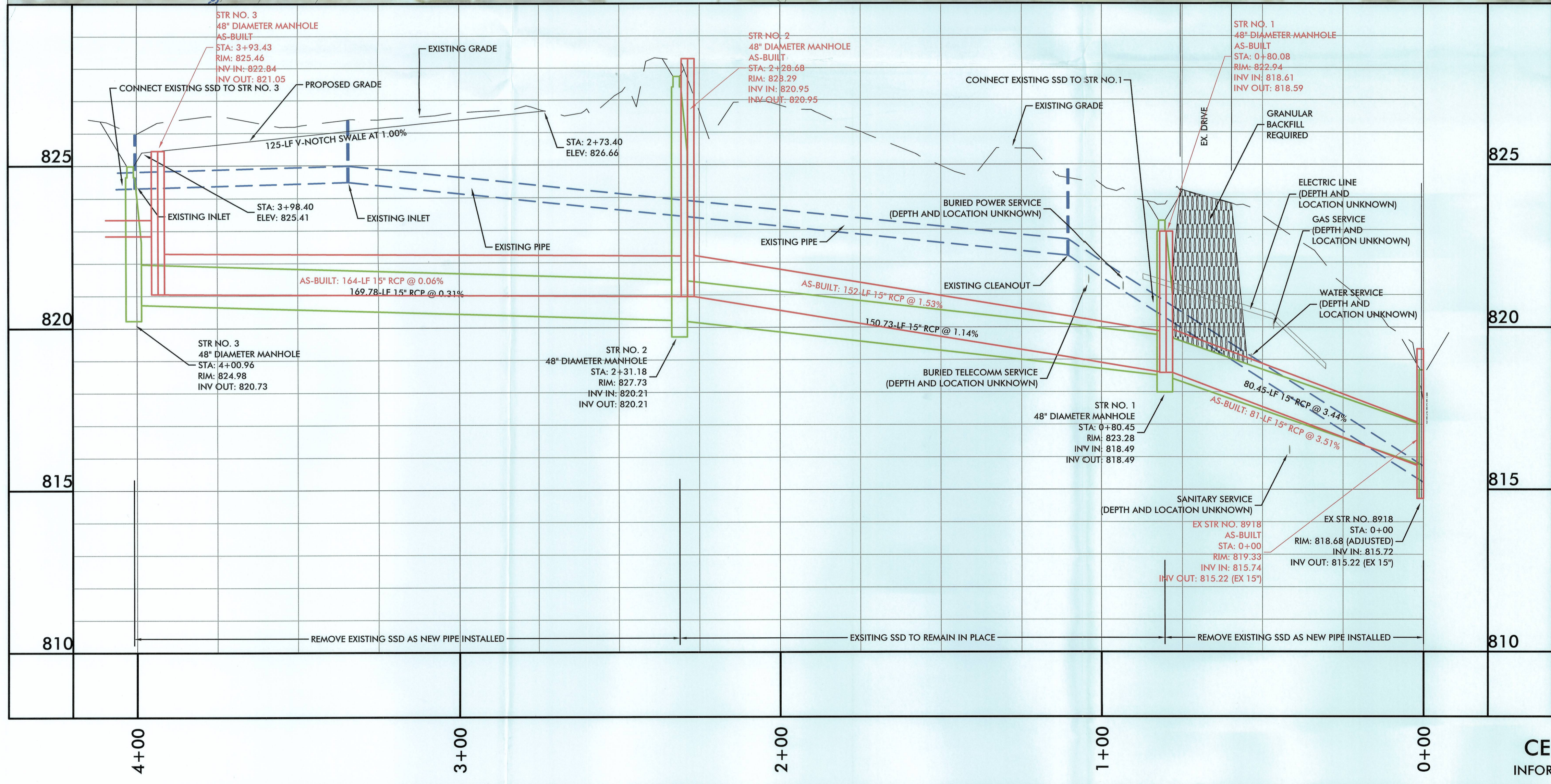


Jerry L. Liston
Hamilton County Surveyor's Office



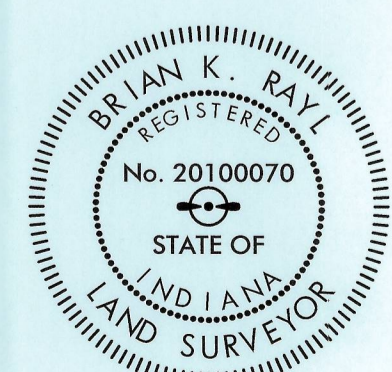
AS-BUILT LEGEND

- AS-BUILT REGULATED DRAIN
- DESIGNED REGULATED DRAIN
- EXISTING REGULATED DRAIN



This information was gathered for input into the Hamilton County Geographic Information System (GIS). This document is considered an official record of the GIS.

Entry Date: 2018
Entered By: SLM



By: *B.K. Rayl*
BRIAN K. RAYL
PROFESSIONAL SURVEYOR
INDIANA LICENSE NO. LS 20100070
DATE: JANUARY 12, 2017

CERTIFIED AS-BUILT INFORMATION ONLY
INFORMATION COLLECTED BY HAMILTON COUNTY SURVEYORS OFFICE

HAMILTON COUNTY, INDIANA

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

PROJECT NO:	03-16
WATERSHED NO:	246
FIELD BY:	SF
DRAWN BY:	GD
CHECKED BY:	BR
DATE:	08/25/17

CERTIFIED BY: *Gary R. Duncan, Jr.*
GARY R. DUNCAN, JR., P.E.

PROJECT NAME: ANCHORAGE REGULATED DRAIN
SHEET NO. 1 OF 1
PLOT DATE: Aug 25, 2017 - 9:22 am

S:\E-Surv\Projects\Regulated Drains\Anchorage Drain\Civil3D\Production Drawings\1 - Anchorage 2016 As Built GRD 082417.dwg
Aug 25, 2017 - 9:22 am