



K.C.W.

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

January 27, 2023

TO: Hamilton County Drainage Board

RE: Jonas Rogers Drain. J.M. Gustin Arm, Reconstruction

Attached is a schedule of assessments, petition and plans for the reconstruction of the J.M. Gustin Arm of the Jonas Rogers Drain. The petition was filed on April 30, 2021.

The proposed reconstruction will replace the existing 437 feet of 6-inch clay tile with a new 18 -inch perforated and non-perforated tile and RCP from its outlet into the Jonas Rogers Open Ditch north to the north side of 296th Street.

The cost of the reconstruction is as follows:

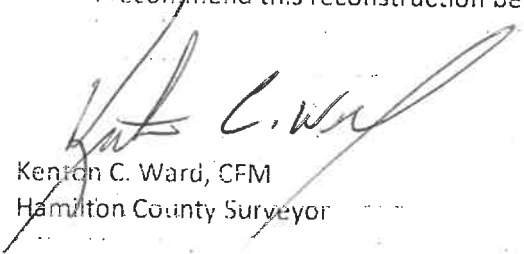
| Line Item | Item Description | Quantity | Unit | Unit Cost | Total Cost |
|-----------|---|----------|------|-------------|-------------|
| H-1 | 18" RCP with Granular Backfill | LF | 36 | \$149.57 | \$5,384.52 |
| H-2 | 3'x3' Precast Inlet with Casting [Structure 602] | EA | 1 | \$4,524.45 | \$4,524.45 |
| H-3 | Pavement Removal and Repair | SYS | 25 | \$265.25 | \$6,631.25 |
| H-4 | Maintenance of Traffic | LS | 1 | \$4,075.00 | \$4,075.00 |
| T-1 | 48" Diameter Manhole with Casting [Structure 601] | EA | 1 | \$4,625.31 | \$4,625.31 |
| T-2 | Existing Tile Connections | LS | 1 | \$3,225.75 | \$3,225.75 |
| BB-1 | Clearing | LS | 1 | \$12,681.63 | \$12,681.63 |
| BB-2 | 18' Non Perforated HDPE | LF | 209 | \$50.11 | \$10,472.99 |

| | | | | | |
|-----------------|--|-----|-------|------------|-------------|
| BB-3 | 18" Perforated HDPE | LF | 165 | \$54.69 | \$9,023.85 |
| BB-4 | 24" CMP with Animal Guard [Regulated Drain Outlet] | LF | 20 | \$176.86 | \$3,537.20 |
| BB-7 | 6" CMP Breather | EA | 1 | \$2,080.81 | \$2,080.81 |
| BB-8 | Revetment Rip Rap with Geotextile | TON | 62 | \$97.59 | \$6,050.58 |
| BB-9 | Construction Entrance | EA | 1 | \$3,746.24 | \$3,746.24 |
| BB-10 | Seeding with fertilizer and straw mulch | SF | 8,265 | \$.027 | \$2,231.55 |
| BB-11 | Silt Fence | LF | 60 | \$17.30 | \$1,038.00 |
| Total Base Bid | | | | | \$79,329.13 |
| 15% Contingency | | | | | \$11,899.37 |
| Total | | | | | \$91,228.50 |

The above cost for the work is derived from the low bid of Indiana Earthworks, LLC which was received and opened by the Board on January 9, 2023. The plans for the proposed reconstruction have been prepared in house by the Hamilton County Surveyor's Office staff and are dated September 14, 2022. Construction staking, inspection and as-built drawings will also be performed by Surveyor's Office staff.

I recommend that the cost of the new system under 296th Street be paid by Tipton County as per IC 36-9-27-71. This cost shall consist of the 18" RCP with backfill and pavement removal and repair totaling \$12,015.77. The remainder of the cost, \$79,212.73, shall be taken from the Duck Creek maintenance fund as allowed under IC 36-9-27-45.5 which the Jonas Rogers Drain is a part of. Currently this fund collects \$114,939.06 annually and has a current balance of \$212,788.03.

I recommend this reconstruction be set for hearing on February 27, 2023.


Kenton C. Ward, CFM
Hamilton County Surveyor

KCW/pll

STATE OF INDIANA)
) ss:
COUNTY OF HAMILTON)

BEFORE THE HAMILTON COUNTY
DRAINAGE BOARD
NOBLESVILLE, INDIANA

IN THE MATTER OF THE
RECONSTRUCTION OF THE
Jonas Rogers Drain, J. M. Gustin Arm Reconstruction

FINDINGS AND ORDER FOR RECONSTRUCTION

The matter of the proposed Reconstruction of the **Jonas Rogers Drain, J. M. Gustin Arm Reconstruction** came before the Hamilton County Drainage Board for hearing **on February 27, 2023**, 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 **Jonas Rogers Drain, J. M. Gustin Arm 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

Jonas Rogers Drain, J. M. Gustin Arm 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 **Jonas Rogers Drain, J. M. Gustin Arm Reconstruction** on **February 27, 2023** 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 **Jonas Rogers Drain, J. M. Gustin Arm
Reconstruction**

NOTICE

Notice is hereby given that the Hamilton County Drainage Board at its regular meeting **February 27, 2023** 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: Mark Heirbrandt
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

December 5, 2023

TO: Hamilton County Drainage Board

RE: Duck Creek Drainage Area, Jonas Rogers Drain, J. M. Gustin Arm Reconstruction – Final Report

This is the final report on the Jonas Rogers Drain, J. M. Gustin Arm Reconstruction, the drain reconstruction work consisted of replacing an undersized agricultural drain in Section 2, Township 20 North, Range 5 East in White River Township, Hamilton County, Indiana.

The May 10, 2021 meeting of the Hamilton County Drainage Board the County Surveyor informed the Board that the office had received a petition signed by 62 percent of the landowners in the Jonas Rogers Drain, J. M. Gustin Arm watershed. (Hamilton County Drainage Board Minutes Book 20, Page 23)

The November 28, 2022 meeting of the Hamilton County Drainage Board the Surveyor requested the Board set a date of January 9, 2023 to receive bids for the Jonas Rogers Drain, J. M. Gustin Arm Reconstruction. (Hamilton County Drainage Board Minutes Book 21, Page 94)

The January 9, 2023 meeting the Board received Seven (7) bids for the Jonas Rogers Drain, J. M. Gustin Arm Reconstruction. Those companies bidding was Hoosier Pride (\$137,354.19), Conexco Inc. (\$89,497.00), Indiana Earthworks (\$79,329.13), Monroe LLC (\$125,515.00), SLB Pipe Solutions (\$135,700.00), Morphey Construction (\$129,500.00) and Smock Fansler Corporation (\$124,956.57). The Board referred the bids to the office for review and recommendation on January 23, 2023. (Hamilton County Drainage Board Minutes Book 21, Page 118)

The January 23, 2023 meeting the Surveyor informed the Board references were still being checked for the low bidder Indiana Earthworks, a first-time bidder. (Hamilton County Drainage Board Minutes Book 21, Page 160)

The February 27, 2023 meeting of the Hamilton County Drainage Board the Board heard the Surveyor's report for the Jonas Rogers Drain, J. M. Gustin Arm reconstruction. The engineers estimate for the reconstruction is \$79,329.13 and was derived from the low bid of Indiana Earthworks. (Hamilton County Drainage Board Minutes Book 21, Pages 187-189)

The February 27, 2023 meeting of the Hamilton County Drainage Board the Board awarded the quote/bid for the Jonas Rogers Drain, J. M. Gustin Arm reconstruction to Indiana Earthworks in the amount of \$79, 329.13. (Hamilton County Drainage Board Minutes Book 21, Pages 197)

The Pre-Construction Meeting was held on March 8, 2023 and the Notice to Proceed issued to Indiana Earthworks after the meeting.

The March 27, 2023 meeting the Board approved BAM Outdoors as a sub-contractor on the Jonas Rogers Drain, J. M. Gustin Arm reconstruction for tree clearing. (Hamilton County Drainage Board Minutes Book 21, Pages 242)

The Jonas Rogers Drain, J. M. Gustin Arm Reconstruction consisted of demolition work, tree clearing, installation of 409.83 feet of 18" HDPE pipe, installation of 20' of 24" CMP pipe, installation of 2 Storm Structures, installation of 6" CMP breather, regrading, seeding and restoration of area.

During the reconstruction, a private 6-inch plastic drain lateral was installed in an easterly direction from the main trunkline at approximate Station 14+12. The lateral was installed to the Riley-Smothers property line and terminated. The lateral was installed as a private line at no cost to the County. The 32 feet of 6-inch lateral is shown on the as-built drawings and will not be maintained as part of the regulated drain.

The following are the installed lengths of 18" HDPE pipes between Jonas Rogers open drain and storm structures.

| Structures | Proposed | Actual | Pipe |
|------------------------------------|--------------|--------------|------|
| Jonas Rogers Drain – Structure 602 | 373.83 LF | 375 LF | 18" |
| Structure 602 – Structure 601 | <u>36 LF</u> | <u>35 LF</u> | 18" |
| Total | 409.83 LF | 410 LF | |

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

Change Order # 1 dated June 5, 2023 was taken to the Hamilton County Drainage Board at the June 12, 2023 meeting for discussion and approval of a deduction required for the Jonas Rogers

Drain, J. M. Gustin Arm reconstruction project. (Hamilton County Drainage Board Minutes Book 21, Page 339)

The following is a deduction from the Jonas Rogers Drain, J. M. Gustin Arm Reconstruction contract.

| | |
|---|--------------------|
| H-3 – Payment Removal & Repair | - \$1,591.50 |
| BB-8 – Revetment Rip Rap with Geotextile | - <u>\$ 317.17</u> |
| Total Cost of Deduction from Change Order # 1 | - \$1,908.67 |
| | |
| Indiana Earthworks Contract | \$79,329.13 |
| | |
| Deduction with CO # 1 | <u>\$1,908.67</u> |
| | |
| Total | \$77,420.46 |

The following is a breakdown of costs associated with the Jonas Rogers Drain, J. M. Gustin Arm Reconstruction. During the project there were two (2) pay applications.

| | |
|--|----------------------|
| Pay Application # 1 Total | \$77,420.46 |
| Retainage | <u>\$11,613.07</u> |
| Amount Paid to Indiana Earthworks (06/13/2023) | \$65,807.39 |
| | |
| Pay Application # 2 Total (Retainage) | \$11,613.07 |
| Amount released to Indiana Earthworks (07/11/2023) | - <u>\$11,613.07</u> |
| Total Paid to Indiana Earthworks | \$11,613.07 |
| | |
| Engineers Estimate/Contractors Quote | \$79,329.13 |
| Total Deduction of Change Order 1 | - <u>\$1,908.67</u> |
| Total Reconstruction Cost | <u>\$77,420.46</u> |

The majority of the reconstruction was funded from the Duck Creek Drainage Area maintenance fund. The Tipton County Highway Department was notified that their portion of the reconstruction for the new system under 296th Street (600 S) would be \$12,015.77 (bid items H-1 & H-3). Change Order #1 deducted \$1,591.00 from their portion. An invoice for \$10,424.27 was sent to the Tipton County Highway Department and was paid October 2, 2023. That amount was deposited into the Duck Creek Drainage Area maintenance fund.

The design and construction staking were completed in house by Gary Duncan, P.E., and Brian Rayl, L.S. .

The as-built drawings were completed by Brian Rayl, RLS, of the Hamilton County Surveyor's Office. The drawings were received on July 14, 2023 and has been reviewed by staff and found to be acceptable.

The Contractor's Statement of Financial 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.

I hereby attest to and agree that the Jonas Rogers Drain, J. M. Gustin 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.

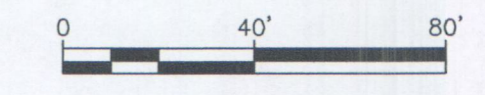
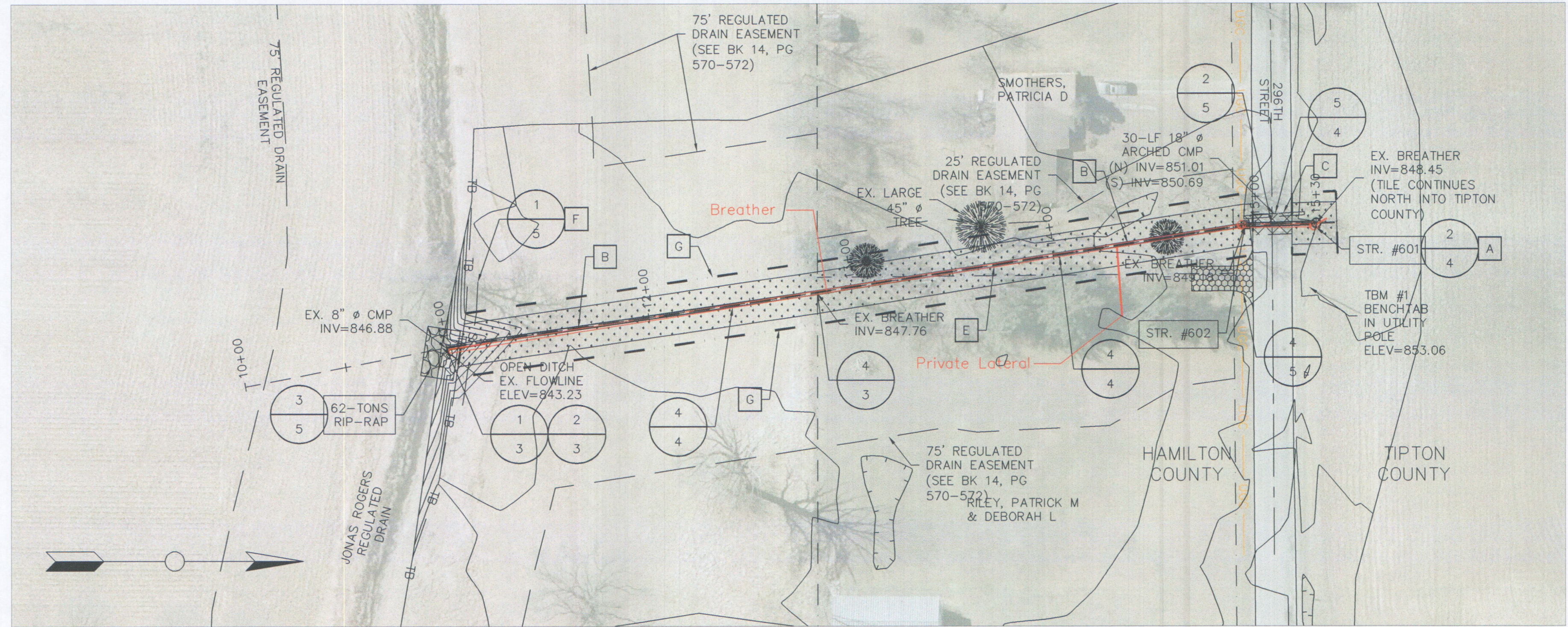
I recommend the Board approve the drain's reconstruction as complete and acceptable.

Respectfully,

A handwritten signature in black ink, appearing to read "Jerry L. Liston", written over a faint, illegible stamp or background.

Jerry L. Liston
Hamilton County Surveyor's Office

Jan 04, 2024 - 2:18 PM E:\Projects\Regulated Drains\JM Gustin\Civil 3D\Production Drawings\363-21 JM Gustin As-Built Drawing 050923.dwg



- A** INTERCEPT EXISTING TILE(S). SOME AMOUNT OF EXISTING TILE MAY NEED TO BE REMOVED. HDPE TILE AND FITTINGS MAY BE REQUIRED TO CONNECT TILES AT LOCATIONS THAT DO NOT AFFECT INTEGRITY OF STRUCTURE.
- B** REMOVE EXISTING TILE AS NEW TILE IS INSTALLED.
- C** PROTECT EXISTING CULVERT DURING CONSTRUCTION.
- D** TILE INSTALLATION AREAS AND ANY BARE AREAS FROM CLEARING SHALL BE SEEDED.
- E** WITHIN DRIP LINE OF EXISTING TREES, THE PROPOSED TILE MAY BE SHIFTED WITHIN THE LIMITS OF THE EASEMENT TO MINIMIZE POTENTIAL DAMAGE TO TREE AND ROOTS AND TO MINIMIZE AMOUNT OF CLEARING.
- F** SILT FENCE
- G** CLEARING LIMITS. THE INTENT OF THE PROJECT IS TO MINIMIZE THE AMOUNT OF CLEARING AND PRESERVE TREES IF POSSIBLE. ALL CLEARING SHALL BE REVIEWED BY INSPECTOR BEFORE ANY CLEARING STARTS.

PROPOSED LEGEND

DETAIL REFERENCE DETAIL # SHEET #

KEY NOTE F

SILT FENCE ——— SF ———

CLEARING LIMITS ——— ———

HATCH LEGEND

RIP-RAP PER DETAIL 3 ON SHEET 5

ROADWAY CUT & REPAIR PER DETAIL 2 ON SHEET 5

CONSTRUCTION ENTRANCE PER DETAIL 4 ON SHEET 5

GRANULAR BACKFILL

GENERAL SEEDING

EXISTING LEGEND

— — — — — APPROXIMATE EASEMENT LIMIT

— · — · — APPROXIMATE PARCEL BOUNDARY

— — — — — CENTERLINE

— — — — — OVERHEAD ELECTRIC

— — — — — UNDERGROUND TELEPHONE

— X — — — FENCE

— TB — — — TOP BANK

— TS — — — TOE SLOPE

— > o o — FLOWLINE

PROFILE LEGEND

PLAN VIEW SCALE: 1"=40'

PROFILE VIEW HORIZONTAL SCALE: 1"=40' VERTICAL SCALE: 1"=4'

REFER TO GENERAL NOTES ON SHEET 1

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. INFORMATION OBTAINED BY FIELD SURVEY ON 05/18/2023

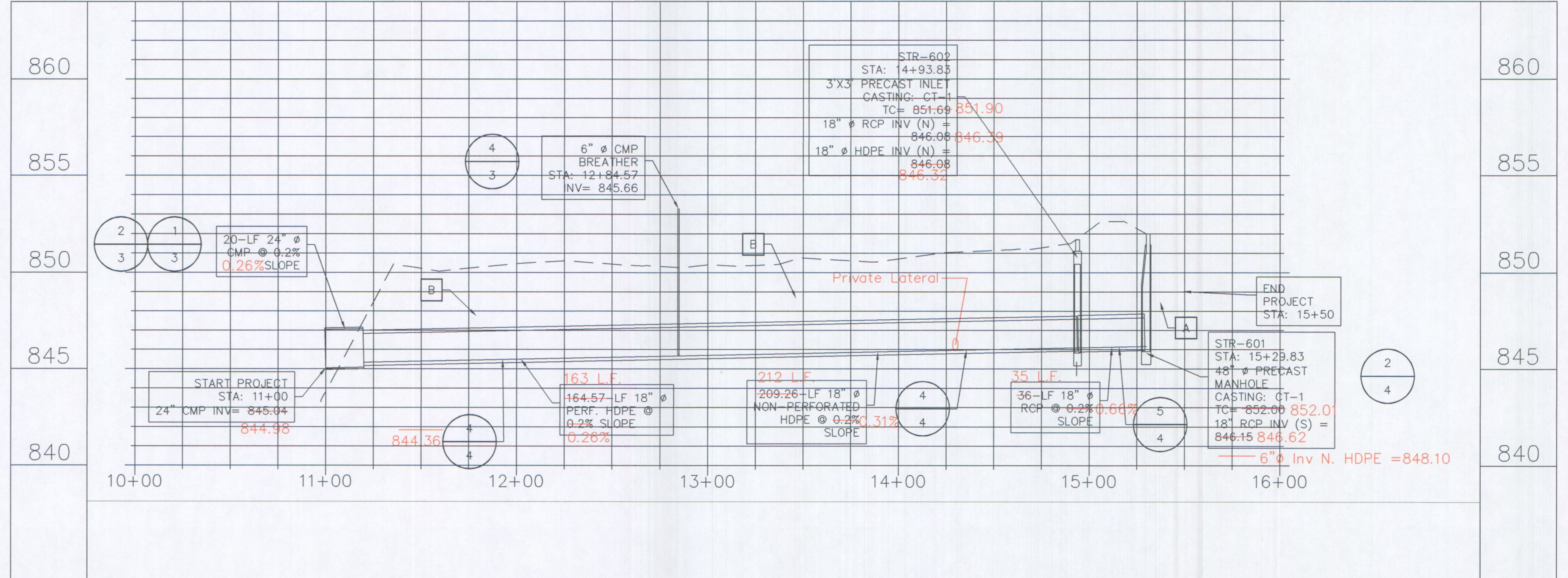
CERTIFIED BY:

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

DATE: JANUARY 4, 2024

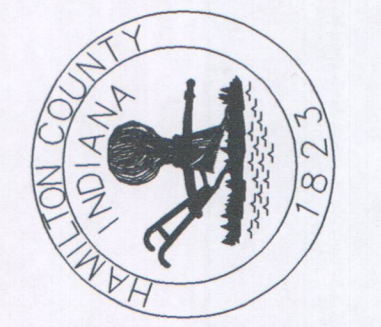


THIS DRAWING IS NOT INTENDED TO BE REPRESENTED AS A RETRACEMENT OR ORIGINAL BOUNDARY SURVEY, A ROUTE SURVEY, OR SURVEYOR LOCATION REPORT



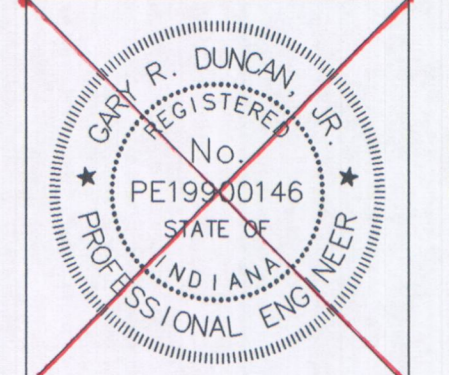
HAMILTON COUNTY, INDIANA

HAMILTON COUNTY SURVEYOR'S OFFICE
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 NOBLESVILLE, IN 46060
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 SURVEYOR@HAMILTONCOUNTY.IN.GOV



| | |
|---------------|----------|
| PROJECT NO: | 363-21 |
| WATERSHED NO: | 363 |
| FIELD BOOK: | SDF/ROA |
| FIELD BY: | SDF/ROA |
| DRAWN BY: | ROA,GRD |
| CHECKED BY: | GRD |
| DATE: | 09/14/22 |

| | |
|------------|-----|
| BY: | --- |
| DATE: | --- |
| REVISIONS: | --- |



CERTIFIED BY:

GARY R. DUNCAN, JR., P.E.
 DATE: 04-JAN-2024

PROJECT NAME:
 JONAS ROGERS REGULATED DRAIN
 JM GUSTIN ARM RECONSTRUCTION
 PLAN & PROFILE

PLOT DATE: Jan 04, 2024 - 2:18 pm