

December 2, 2024

ERI Project No. 0004-0531

Mr. Matthew Jones, Program Manager  
Delaware Department of Natural Resources and Environmental Control  
Division of Water Resources  
Wetlands and Subaqueous Lands Section  
89 Kings Highway  
Dover, Delaware 19901

**Re: Subaqueous Lands Lease – Proposed Culvert Replacement & Upgrade  
Hermitage Way Extended (Driveway)  
Tax Map Parcels 334-10.00-69.05, 69.11, 69.03 & 69.01  
Lewes Rehoboth Hundred, Lewes, Sussex County, Delaware  
Applicant: Walter Beck (Braun, Trimmer & Hopkin Henelopen Homestead, LLC)**

Dear Mr. Jones,

Environmental Resource Insights (ERI) is writing to you on behalf of multiple applicants as the proposed driveway culvert replacement and upgrade project at Hermitage Way extended involves four tax map parcels and culverts. Each owner has individually signed page 6 of the Basic Application and deeds for all four properties have been provided. Mr. Walter Beck, who utilizes the existing driveway to access his home is the primary sponsor and representation for the project (Tax Map Parcel 334-10.00-69.05).

The Hermitage Road extended driveway crosses the wetland floodplain of Brundricks Branch. Currently, a deteriorated 24 inch culvert passes streamflow east past the driveway location. Brundricks Branch has an extensive upstream drainage area, and this culvert is undersized. The proposed culvert replacement involves installation of twin 36 inch reinforced concrete culverts at the location of the existing culvert. After consultation with the Corps of Engineers it was determined that the proposed project qualified for authorization under Nationwide Permit No. 3 (Maintenance) with no preconstruction notice required as no wetland will be impacted.

Upon your review of the enclosed application, please let me know if you or your staff need any additional information in support of this request. On behalf of the applicants, thank you in advance for your time and attention to this request.

Sincerely,

ENVIRONMENTAL RESOURCE INSIGHTS

  
Edward M. Launay

# **WETLANDS AND SUBAQUEOUS LANDS SECTION PERMIT APPLICATION FORM**

**For Subaqueous Lands, Wetlands, Marina and  
401 Water Quality Certification Projects**

**State of Delaware  
Department of Natural Resources and Environmental Control  
Division of Water**

**Wetlands and Subaqueous Lands Section**



**APPLICATION FOR APPROVAL OF  
SUBAQUEOUS LANDS, WETLANDS, MARINA  
AND WATER QUALITY CERTIFICATION PROJECTS**

**PLEASE READ THE FOLLOWING INSTRUCTIONS CAREFULLY****Application Instructions:**

1. Complete each section of this basic application and appropriate appendices as thoroughly and accurately as possible. Incomplete or inaccurate applications will be returned.
2. All applications must be accompanied by a scaled plan view and cross-section view plans that show the location and design details for the proposed project. Full construction plans must be submitted for major projects.
3. All applications must have an original signature page and proof of ownership or permitted land use agreement.
4. Submit an original and two (2) additional copies of the application (total of 3) with the appropriate application fee and public notice fee\* (prepared in separate checks) to:

**Department of Natural Resources and Environmental Control  
Wetlands and Subaqueous Lands Section  
89 Kings Highway  
Dover, Delaware 19901**

\*Application and public notice fees are non-refundable regardless of the Permit decision or application status.

5. No construction may begin at the project site before written approval has been received from this office.

**Helpful Information:**

1. Tax Parcel Information:
 

New Castle County	(302) 395-5400
Kent County	(302) 736-2010
Sussex County	(302) 855-7878
2. Recorder of Deeds:
 

New Castle County	(302) 571-7550
Kent County	(302) 744-2314
Sussex County	(302) 855-7785
3. A separate application and/or approval may be required through the Army Corps of Engineers. Applicants are strongly encouraged to contact the Corps for a determination of their permitting requirements. For more information, contact the Philadelphia District Regulator of the Day at (215) 656-6728 or visit their website at: <http://www.nap.usace.army.mil/Missions/Regulatory.aspx>.
4. For questions about this application or the Wetlands and Subaqueous Lands Section, contact us at (302) 739-9943 or visit our website at: <http://www.dnrec.delaware.gov/wr/Services/Pages/WetlandsAndSubaqueousLands.aspx>. Office hours are Monday through Friday 8:00 AM to 4:30 PM, except on State Holidays.



## APPLICANT'S REVIEW BEFORE MAILING

### DID YOU COMPLETE THE FOLLOWING?

<u>  X  </u>	Yes	BASIC APPLICATION
<u>  X  </u>	Yes	SIGNATURE PAGE (Page 3)
<u>  X  </u>	Yes	APPLICABLE APPENDICES
<u>  X  </u>	Yes	SCALED PLAN VIEW
<u>  X  </u>	Yes	SCALED CROSS-SECTION OR ELEVATION VIEW PLANS
<u>  X  </u>	Yes	VICINITY MAP
<u>  X  </u>	Yes	COPY OF THE PROPERTY DEED & SURVEY
<u>  X  </u>	Yes	THREE (3) COMPLETE COPIES OF THE APPLICATION PACKET
<u>  X  </u>	Yes	APPROPRIATE APPLICATION FEE & PUBLIC NOTICE FEE (Separate checks made payable to the State of Delaware)

**Submit 3 complete copies of the application packet to:**

**Department of Natural Resources and Environmental Control  
Wetlands and Subaqueous Lands Section  
89 Kings Highway  
Dover, Delaware 19901**

**Before signing and mailing your application packet, please read the following:**

The Department requests that the contractor or party who will perform the construction of your proposed project, if other than the applicant, sign the application signature page along with the applicant in the spaces provided. When the application is signed by the contractor as well as the applicant, the Department will issue the Permit to both parties. For Leases, the contractor will receive a separate construction authorization that will make them subject to all of the terms and conditions of the Lease relating to the construction

**Section 1: Applicant Identification**

1. Applicant's Name: Walter Beck Telephone #: 302-542-0091  
 Mailing Address: 19786 Hermitage Way, Milton, DE 19968 Fax #: \_\_\_\_\_  
 E-mail: hermitageway@msn.com  
 \* See Attached Sheet for Additional Applicants \*
2. Consultant's Name: Edward M. Launay Company Name: Environmental Resource Insights  
 Mailing Address: 1 Park Ave, Milford, DE 19963 Telephone #: 302-436-9637  
 Fax #: 302-424-0430  
 E-mail: elaunay@ericonsultants.com
3. Contractor's Name: Unknown Company Name: \_\_\_\_\_  
 Mailing Address: \_\_\_\_\_ Telephone #: \_\_\_\_\_  
 Fax #: \_\_\_\_\_  
 E-mail: \_\_\_\_\_

**Section 2: Project Description**

4. Check those that apply:  
☐ New Project/addition to existing project? ☒ Repair/Replace existing structure? (If checked, must answer #16)
5. Project Purpose (attach additional sheets as necessary):  
Replace an existing deteriorated 24 inch pipe with twin 36 inch pipes in order to upgrade the capacity to convey stream flow during periods of high precipitation.  
 (See Attached Sheet)
6. Check each Appendix that is enclosed with this application:

<input type="checkbox"/>	A. Boat Docking Facilities	<input type="checkbox"/>	G. Bulkheads	<input type="checkbox"/>	N. Preliminary Marina Checklist
<input type="checkbox"/>	B. Boat Ramps	<input checked="" type="checkbox"/>	H. Fill	<input type="checkbox"/>	O. Marinas
<input checked="" type="checkbox"/>	C. Road Crossings	<input checked="" type="checkbox"/>	I. Rip-Rap Sills and Revetments	<input type="checkbox"/>	P. Stormwater Management
<input type="checkbox"/>	D. Channel Modifications/Dams	<input type="checkbox"/>	J. Vegetative Stabilization	<input type="checkbox"/>	Q. Ponds and Impoundments
<input type="checkbox"/>	E. Utility Crossings	<input type="checkbox"/>	K. Jetties, Groins, Breakwaters	<input type="checkbox"/>	R. Maintenance Dredging
<input type="checkbox"/>	F. Intake or Outfall Structures	<input type="checkbox"/>	M. Activities in State Wetlands	<input type="checkbox"/>	S. New Dredging

**Section 3: Project Location**

7. Project Site Address: 19786 Hermitage Way, Milton, DE 19968 County: ☐ N.C. ☐ Kent ☒ Sussex  
 Site owner name (if different from applicant): \_\_\_\_\_  
 Address of site owner: \_\_\_\_\_
8. Driving Directions: Heading east on US-9 E toward Rd 258/Hudson Rd, turn right onto Fisher Rd and after 1.6 miles, turn right on Hermitage Way and the project location will be approximately 0.3 miles down the roadway  
 (Attach a vicinity map identifying road names and the project location)
9. Tax Parcel ID Number: 334-10.00-69.05, 69.11, 69.03, & 69.01 Subdivision Name: None

WSLS Use Only:		Permit #s: _____	
Type	SP <input type="checkbox"/>	SL <input type="checkbox"/>	SU <input type="checkbox"/>
	WE <input type="checkbox"/>	WQ <input type="checkbox"/>	LA <input type="checkbox"/>
	SA <input type="checkbox"/>	MP <input type="checkbox"/>	WA <input type="checkbox"/>
Corps Permit: SPGP 18 <input type="checkbox"/> 20 <input type="checkbox"/>		Nationwide Permit #: _____ Individual Permit # _____	
Received Date: _____		Project Scientist: _____	
Fee Received? Yes <input type="checkbox"/> No <input type="checkbox"/>		Amt: \$ _____ Receipt #: _____	
Public Notice #: _____		Public Notice Dates: ON _____ OFF _____	

## **Section 1: Applicant Identification**

Applicant's Name: Walter Beck

Mailing Address: 19786 Hermitage Way, Milton, DE 19968

Telephone #: 302-542-0091

Fax #:

E-mail: [hermitageway@msn.com](mailto:hermitageway@msn.com)

Applicant's Name: Troy Trimmer

Mailing Address: 19717 Hermitage Way, Milton, DE 19968

Telephone #: 302-542-6101

Fax #:

E-mail: [troytrimmer62@gmail.com](mailto:troytrimmer62@gmail.com)

Applicant's Name: Robert and Hannah Braun

Mailing Address: 19786 Hermitage Way, Milton, DE 19968

Telephone #: 302-604-1858

Fax #:

E-mail: [hebraun95@gmail.com](mailto:hebraun95@gmail.com)

Applicant's Name: Amy Hopkins

Mailing Address: 18186 Dairy Farm Road, Lewes, DE 19958

Telephone #: 202-695-9302

Fax #:

E-mail: [Amy@hopkinsfarm.com](mailto:Amy@hopkinsfarm.com)

**Section 3: Project Location (Continued)**

10. Name of waterbody at Project Location: Bundicks Branch waterbody is a tributary to: Love Creek

11. Is the waterbody: ☐ Tidal ☒ Non-tidal Waterbody width at mean low or ordinary high water 31.5 ft +/-

12. Is the project: ☐ On public subaqueous lands? ☒ On private subaqueous lands?\*

☐ In State-regulated wetlands? ☐ In Federally-regulated wetlands?

\*If the project is on private subaqueous lands, provide the name of the subaqueous lands owner:

Applicants (See attached list)

(Written permission from the private subaqueous lands owner must be included with this application)

13. Present Zoning: ☐ Agricultural ☒ Residential ☐ Commercial ☐ Industrial ☐ Other

**Section 4: Miscellaneous**

14. A. List the names and complete mailing addresses of the immediately adjoining property owners on all sides of the project (attach additional sheets as necessary):

\* See Attached Sheet \*

B. For wetlands and marina projects, list the names and complete mailing addresses of property owners within a 1,000 foot radius of the project (attach additional sheets as necessary):

N/A

15. Provide the names of DNREC and/or Army Corps of Engineers representatives whom you have discussed the project with:

A. Have you had a State Jurisdictional Determination performed on the property?

☐ Yes ☒ No

B. Has the project been reviewed in a monthly Joint Permit Processing Meeting?

☐ Yes ☒ No

\*If yes, what was the date of the meeting? \_\_\_\_\_

16. Are there existing structures or fill at the project site in subaqueous lands? ☐ Yes ☒ No

\*If yes, provide the permit and/or lease number(s): \_\_\_\_\_

\*If no, were structures and/or fill in place prior to 1969?

☒ Yes ☐ No

17. Have you applied for or obtained a Federal permit from the Army Corps of Engineers?

☐ No

☐ Pending

☒ Issued

☐ Denied

Date: March 15, 2021

Type of Permit: Nationwide Permit 3: Maintenance

Federal Permit or ID #: \_\_\_\_\_

18. Have you applied for permits from other Sections within DNREC?

☒ No

☐ Pending

☐ Issued

☐ Denied

Date: \_\_\_\_\_ Permit or ID #: \_\_\_\_\_

Type of permit (circle all that apply): ☐ Septic ☐ Well ☐ NPDES ☐ Storm Water

Other: \_\_\_\_\_

First Owner	Second Owner	Address Line 1	Address Line 2	Town	State	Zipcode
MITCHELL FARMS LLC	-	26539 CARPENTER RD	-	MILTON	DE	19968
SB LIGHTSHIP COVE LLC	-	20184 PHILLIPS ST	-	REHOBOTH BEACH	DE	19971
COLLEEN BECK	-	19786 HERMITAGE WAY	-	MILTON	DE	19968
JEFFERY M PLUMMER	KYLIE F PLUMMER	30066 FISHER ROAD	-	LEWES	DE	19958
HOPKINS BROTHERS INC	-	20141 HOPKINS ROAD	-	LEWES	DE	19958



**Section 5: Signature Page****19. Agent Authorization:**

If you choose to complete this section, all future correspondence to the Department may be signed by the duly authorized agent. In addition, the agent will become the primary point of contact for all correspondence from the Department.

I do not wish to authorize an agent to act on my behalf

I wish to authorize an agent as indicated below ☒

I, Walter Beck, hereby designate and authorize Edward M. Launay  
(Name of Applicant) (Name of Agent)  
to act on my behalf in the processing of this application and to furnish any additional information requested by the Department.

Authorized Agent's Name: Edward M. Launay

Telephone #: 302-436-9637

Mailing Address: 1 Park Ave, Milford, DE 19963

Fax #: 302-424-0430

E-mail: elaunay@ericonsultants.com

**20. Agent's Signature:**

I hereby certify that the information on this form and on the attached plans are true and accurate to the best of my knowledge. I further understand that the Department may request information in addition to that set forth herein if deemed necessary to appropriately consider this application.

[Signature]  
Agent's Signature

1/7/2025  
Date

**21. Applicant's Signature:**

I hereby certify that the information on this form and on the attached plans are true and accurate to the best of my knowledge and that I am required to inform the Department of any changes or updates to the information provided in this application. I further understand that the Department may request information in addition to that set forth herein if deemed necessary to appropriately consider this application. I grant permission to authorized Department representatives to enter upon the premises for inspection purposes during working hours.

Walter Beck  
Applicant's Signature

12/27/24  
Date

Walter Beck

Print Name

**22. Contractor's Signature:**

I hereby certify that the information on this form and on the attached plans are true and accurate to the best of my knowledge, and that I am required to inform the Department of any changes or updates to the information provided in this application. I further understand that the Department may request information in addition to that set forth herein if deemed necessary to appropriately consider this application.

\_\_\_\_\_  
Contractor's Name

\_\_\_\_\_  
Date

\_\_\_\_\_  
Print Name

## Section 5: Signature Page

## 19. Agent Authorization:

If you choose to complete this section, all future correspondence to the Department may be signed by the duly authorized agent. In addition, the agent will become the primary point of contact for all correspondence from the Department.

I do not wish to authorize an agent to act on my behalf

I wish to authorize an agent as indicated below ☒

I, Robert Braun, hereby designate and authorize Edward M. Launay  
(Name of Applicant) (Name of Agent)  
to act on my behalf in the processing of this application and to furnish any additional information requested by the Department.

Authorized Agent's Name: Edward M. Launay

Mailing Address: 1 Park Ave, Milford, DE 19963

Telephone #: 302-436-9637

Fax #: 302-424-0430

E-mail: elaunay@ericonsultants.com

## 20. Agent's Signature:

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[Signature]  
Agent's Signature

1/7/2025  
Date

## 21. Applicant's Signature:

I hereby certify that the information on this form and on the attached plans are true and accurate to the best of my knowledge and that I am required to inform the Department of any changes or updates to the information provided in this application. I further understand that the Department may request information in addition to that set forth herein if deemed necessary to appropriately consider this application. I grant permission to authorized Department representatives to enter upon the premises for inspection purposes during working hours.

[Signature]  
Applicant's Signature

12-28-24  
Date

Robert Braun

Print Name

## 22. Contractor's Signature:

I hereby certify that the information on this form and on the attached plans are true and accurate to the best of my knowledge, and that I am required to inform the Department of any changes or updates to the information provided in this application. I further understand that the Department may request information in addition to that set forth herein if deemed necessary to appropriately consider this application.

\_\_\_\_\_  
Contractor's Name

\_\_\_\_\_  
Date

\_\_\_\_\_  
Print Name

**Section 5: Signature Page****19. Agent Authorization:**

If you choose to complete this section, all future correspondence to the Department may be signed by the duly authorized agent. In addition, the agent will become the primary point of contact for all correspondence from the Department.

I do not wish to authorize an agent to act on my behalf

I wish to authorize an agent as indicated below ☒

I, Troy Trimmer, hereby designate and authorize Edward M. Launay  
(Name of Applicant) (Name of Agent)  
to act on my behalf in the processing of this application and to furnish any additional information requested by the Department.

Authorized Agent's Name: Edward M. Launay

Telephone #: 302-436-9637

Mailing Address: 1 Park Ave, Milford, DE 19963

Fax #: 302-424-0430

E-mail: elaunay@ericonsultants.com

**20. Agent's Signature:**

I hereby certify that the information on this form and on the attached plans are true and accurate to the best of my knowledge. I further understand that the Department may request information in addition to that set forth herein if deemed necessary to appropriately consider this application.

Agent's Signature

Date

1/7/2025

**21. Applicant's Signature:**

I hereby certify that the information on this form and on the attached plans are true and accurate to the best of my knowledge and that I am required to inform the Department of any changes or updates to the information provided in this application. I further understand that the Department may request information in addition to that set forth herein if deemed necessary to appropriately consider this application. I grant permission to authorized Department representatives to enter upon the premises for inspection purposes during working hours.

Applicant's Signature

Date

12/27/2024

Troy Trimmer

Print Name

**22. Contractor's Signature:**

I hereby certify that the information on this form and on the attached plans are true and accurate to the best of my knowledge, and that I am required to inform the Department of any changes or updates to the information provided in this application. I further understand that the Department may request information in addition to that set forth herein if deemed necessary to appropriately consider this application.

Contractor's Name

Date

Print Name



## Section 5: Signature Page

## 19. Agent Authorization:

If you choose to complete this section, all future correspondence to the Department may be signed by the duly authorized agent. In addition, the agent will become the primary point of contact for all correspondence from the Department.

I do not wish to authorize an agent to act on my behalf

I wish to authorize an agent as indicated below ☒

I, Amy Hopkins, hereby designate and authorize Edward M. Launay  
(Name of Applicant) (Name of Agent)  
to act on my behalf in the processing of this application and to furnish any additional information requested by the Department.

Authorized Agent's Name: Edward M. Launay

Mailing Address: 1 Park Ave, Milford, DE 19963

Telephone #: 302-436-9637

Fax #: 302-424-0430

E-mail: elaunay@ericonsultants.com

## 20. Agent's Signature:

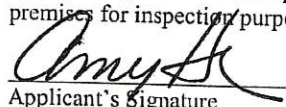
I hereby certify that the information on this form and on the attached plans are true and accurate to the best of my knowledge. I further understand that the Department may request information in addition to that set forth herein if deemed necessary to appropriately consider this application.

  
Agent's Signature

1/7/2025  
Date

## 21. Applicant's Signature:

I hereby certify that the information on this form and on the attached plans are true and accurate to the best of my knowledge and that I am required to inform the Department of any changes or updates to the information provided in this application. I further understand that the Department may request information in addition to that set forth herein if deemed necessary to appropriately consider this application. I grant permission to authorized Department representatives to enter upon the premises for inspection purposes during working hours.

  
Applicant's Signature

12/28/24  
Date

Amy Hopkins

Print Name

## 22. Contractor's Signature:

I hereby certify that the information on this form and on the attached plans are true and accurate to the best of my knowledge, and that I am required to inform the Department of any changes or updates to the information provided in this application. I further understand that the Department may request information in addition to that set forth herein if deemed necessary to appropriately consider this application.

\_\_\_\_\_  
Contractor's Name

\_\_\_\_\_  
Date

\_\_\_\_\_  
Print Name



## Road Crossings

Please respond to each question. Questions left blank may result in the application being returned as incomplete. In addition, the answers to all of the questions in this Appendix must correspond accurately to the information on the plan and section view drawings for the project.

### General Information

1. Will the project be:

☐ New Construction  
☒ Repair or Replacement of an Existing Structure

2. Describe the purpose for the proposed road crossing activity:

An existing deteriorated 24 inch culvert passes flow at an existing driveway crossing of Bundicks Branch and its associated floodplain and needs to be replaced. A second culvert will be added to provide additional drainage capacity during storm events.

3. Is the crossing a:

☐ Bridge (preferred)    ☐ Bottomless or Arched Culvert    ☒ Pipe Culvert  
☐ Box Culvert    ☐ Multiple Barrel Culvert  
☐ Other (describe) \_\_\_\_\_

If other than a bridge is proposed, could bridging be constructed to avoid impacts to the waterbody? ☐ Yes ☒ No    If no, please provide specific justification:

The project is limited to replacement of an existing driveway culvert and an upgrade to drainage capacity by addition of a second culvert.

4. If culvert pipes are proposed, provide the pipe lengths and diameters:

37.37 feet long - 36" diameter

39.81 feet long - 36" diameter

If a bridge, bottomless culvert or box culvert is proposed, provide the dimensions:

What will be the slope of the culvert?

1.75 % and 0.20%

5. What materials will the structure(s) be made of?

Reinforced Concrete Culvert with rip rap scour protection

**Waterbody Information**

6. Name of the waterbody at the project location: Bundicks Branch  
Waterbody is a tributary to: Love Creek

7. What is the width of the waterbody at the project site? +/- 46' upstream, +/- 19' downstream

8. How many linear feet of stream will be affected by the crossing?  
Pipe +/- 37 In ft. Inlet Structure 0 In ft. Outlet Structure +/- 10 In ft.

9. What is the total area of impact in the waterbody? (including inlet and outlet protection structures, sideslope embankments, etc.):

Tidal Waters

Below the mean high water line \_\_\_\_ sq. ft.  
ft.

Below the mean low water line \_\_\_\_ sq. ft.

Non-tidal Waters

Below the Ordinary high water line 183 sq.

In tidal wetlands \_\_\_\_ sq. ft. (attach appropriate appendix)

10. For non-tidal waters, what is the approximate median stream flow rate at the site:

Before construction: 0.6 cfs

After construction: 0.6 cfs

What is the bankfull discharge (~1 yr storm) of the stream at the site? \_\_\_\_\_ cfs

11. What is the watershed area above the project site? 2798 (acres or square miles)

12. If the road crossing is not over undeeded public subaqueous lands or a DeIDOT right of way, who is the owner of the underwater lands? Applicants -  
\_\_\_\_\_

13. Please include evidence of written permission from the underwater landowner indicated above (if other than the applicant) with this Appendix.

**Design Features**

14. Describe design features that will be incorporated to allow for fish passage:

Culverts will be depressed below the streambed.

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15. Describe design features that will maximize the preservation of natural channel features and minimize adverse impacts to stream morphology and stability:

The proposed project involves the replacement of an existing deteriorated 24 inch culvert with a 36 inch culvert and the addition of a second 36 inch reinforced concrete culvert to allow for increased drainage capacity which will minimize erosion potential.

16. If culvert pipes are proposed:

Will the pipe bottom be buried below the natural streambed? ☒ Yes ☐ No

If yes, how far will the pipe invert be placed below the streambed elevation? +/- 8 inches

If no, explain why:

For multiple barrel culvert designs, will a low flow barrel be incorporated?

☐ Yes ☒ No

If no, explain why:

Both culverts to be depressed below the streambed as the the existing driveway spans a wide nontidal wetland floodplain.

17. What storm event is the structure designed to pass? (i.e. 10 yr storm, 25 yr storm)

10 year

18. Will the structure include an apron or other inlet/outlet protection? ☒ Yes ☐ No

If yes, describe the dimensions and materials that will be utilized:

A total of 60 square feet (approximately 8' x 8') of rip rap scour protection will be used on the  
downstream end of the culverts (outlet protection)

19. Is any fill associated with the proposed activity? ☒ Yes ☐ No If yes, attach the appropriate appendix.

20. Will any sideslope embankments be constructed in the waterbody? ☐ Yes ☒ No

If yes, what is the average slope of the embankments? \_\_\_\_\_

21. Will any utilities be associated with the road crossing? ☐ Yes ☒ No

If yes, attach the appropriate appendix.



**FILL**

Please make sure answers to all of the questions in this appendix correspond to information on the application drawings.

1. How many linear feet will the fill extend channelward of the:

- a. Tidal waters: mean high water line? \_\_\_\_\_ ft.  
mean low water line? \_\_\_\_\_ ft.
- b. Non-tidal waters: ordinary high water line? +/- 8 ft.

2. What is the area of fill that will be located:

- a. on subaqueous land (channelward of mean high water) +/- 109 sq. ft.
- b. on vegetated wetlands? 0 sq. ft.

3. What is the source of the fill?

- X Hauled in from upland sources: What is the source company/location/parcel number?
- \_\_\_\_\_ Obtained from dredged material: Complete Dredging Appendix.

Commercial quarry

4. What is the total volume of fill? +/- 2.8 cubic yards

- a. What is the total fill per running foot of shoreline? 0.3 cubic yards

5. What method will be used to place the fill?

Rip Rap stone from a commercial quarry will be placed below the OHWM underlain with geotextile fabric using a track mounted excavator.

6. State the type and composition percentage of the fill material (e.g. sand 80%, silt 5%, clay 15%, etc.)

100% Rip Rap stone with geotextile fabric

7. How will the fill be retained? Complete appropriate appendix.

Rip Rap stone underlain with geotextile fabric

8. What type of vegetation or ground cover will be provided for the filled area(s) to prevent soil erosion and help keep sediment from reaching State waters?

None, the proposed activity will only replace an existing culvert and add an additional culvert to enhance drainage capacity. No filling proposed except for rip rap scour protection.

9. Describe the type(s) of structure(s) to be erected on the filled area (if any). Complete appropriate appendix.

No structures, only rip rap stone for scour protection.

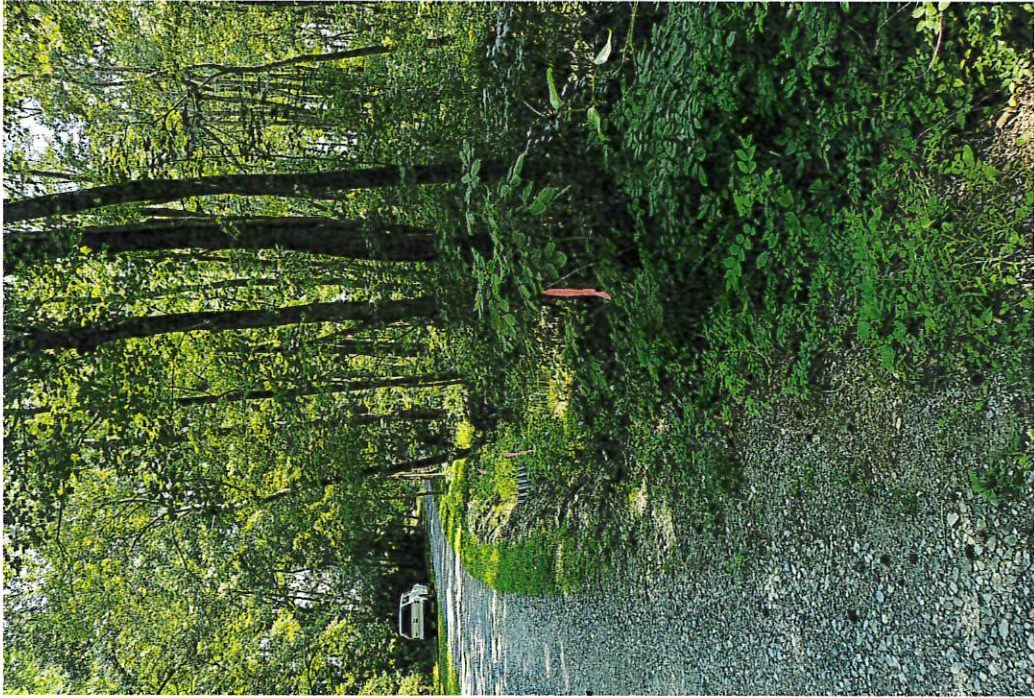


PHOTO 1: VIEW FACING SOUTH. STONE  
DRIVEWAY LEADING TO RESIDENCE



PHOTO 2: VIEW OF THE EXISTING  
UPSTREAM CULVERT IN  
BUNDICKS BRANCH



02988

#02458 #208

Parcel #P/O 3-34 10.00 69.00

This Deed, made this 31st day of January, 2000,

BETWEEN Charles V. Marvel, R.R.#2, Box 188B, Milton, DE 19968 party of the first part,

- AND -

Walter R. Beck and Stacy C. Beck, as tenants by the entirety, 112 White Oak Road, Rehoboth Beach, DE 19971 parties of the second part,

WITNESSETH, that the said party of the first part, for and in consideration of the sum of ONE DOLLAR and 00/100 (\$1.00), lawful money of the United States of America, the receipt whereof is hereby acknowledged, hereby grants and conveys unto the said parties of the second part, their heirs and assigns,

ALL that certain tract, piece and parcel of land situate, lying and being in Lewes and Rehoboth Hundred, Sussex County and State of Delaware, said to contain 21.016 acres of land, more particularly shown and described on a survey prepared by Citadel Engineering, Inc., Jeffrey S. Reed, Professional Engineer, said plot being filed for record in the Office of the Recorder of Deeds, in and for Sussex County at Georgetown, Delaware, in Plot Book 146, page 192.

BEING a part of the same land conveyed unto Charles V. Marvel and Hilda C. Marvel by a Deed of Charles V. Marvel dated July 2, 1987 and filed for record in the Office of the Recorder of Deeds, in and for Sussex County at Georgetown, Delaware, in Deed Book 1503, page 5. Hilda C. Marvel departed this life intestate April 6, 1999 at which time her interest in the property passed unto Charles V. Marvel in its entirety by right of survivorship.

SUBJECT to the easements reserved in the Deed of H. Edward Maull, Jr. to Charles V. Marvel dated July 2, 1987 and filed for record in the Office of the Recorder of Deeds, in and for Sussex County at Georgetown, Delaware, in Deed Book 1503, page 1.

TOGETHER WITH AND BENEFITTED by the easements reserved in the Deed of H. Edward Maull, Jr. to Elva M. Short dated July 2, 1987 and filed for record in the Office of the Recorder of Deeds, in and for Sussex County at Georgetown, Delaware, in Deed Book 1502, page 349.

THE PARTY OF THE FIRST PART further grants and conveys unto the parties of the second part, their heirs and assigns, forever, a permanent, non-exclusive easement, privilege and right of use for ingress and egress over the lands designated as 65' Perpetual Easement on a plot of lands of Charles V. Marvel, filed for record in the Office of the Recorder of Deeds, in and for Sussex County at Georgetown, Delaware, in Plot Book 146, page 192, (the "Plot") for vehicular and pedestrian access to lands herein conveyed unto the parties of the second part and the lands herein conveyed shall be subject to the rights of others in and to the use of the easement areas. The grantees herein, their heirs or assigns, shall have the right to improve the easement area for the entire course and width, but shall not be required to do so. The need for maintenance of said easement shall be determined by a majority of the front footage ownership with each side of the centerline voting, that is, if the owner holds title to land served on both sides of the centerline, each parcel shall have a vote. If a determination is made that maintenance is needed by majority vote, the expense of same shall be shared on a pro-rata basis, based upon the front footage along the centerline of said easement for any parcel served by the easement. This easement shall run with the land, and shall be for the benefit and use of the parties of the second part, their heirs and assigns, in perpetuity.

PREPARED BY:

SENGUPTA & ELLIS, P.A.  
8 NORTH FERRY STREET  
P.O. BOX 688  
GEORGETOWN, DE 19947

02458 2209

IN WITNESS WHEREOF, the said party of the first part has hereunto set their hand and seal the day and year first hereinbefore written.

Signed, Sealed and Delivered  
in the presence of:

*[Signature]*

*Charles V. Marvel* (SEAL)  
Charles V. Marvel

State of Delaware )  
County of Sussex ) S.S.

BE IT REMEMBERED, that on January 31, 2000, personally came before me, the Subscriber, Charles V. Marvel, party of the first part to this Indenture, known to me personally to be such, and acknowledged this Indenture to be his act and deed.

Given under my Hand and Seal of office the day and year aforesaid.

*[Signature]*  
Printed Name  
Notary Public, Delaware  
My Commission Expires: Joan L. Tyndall  
Notary Public, Delaware  
Comm. Exp 2/9/01

Consideration : \$ 65000.00 Exempt Code: A

County	State	Total
1275.00	1275.00	2550.00
comstar	Date: 01/31/2000	

RECORDED OF DEEDS  
FEB 01 2000

00 JAN 31 PM 4:11  
SUSSEX COUNTY  
DOC. SURCHARGE PAID

Received  
FEB 01 2000  
ASSESSMENT DIVISION  
OF SUSSEX CTY

RENOVO & ELLIS, P.A.  
8 NORTH FINE STREET  
P.O. Box 500  
GEORGETOWN, DE 19647

*Walter, Deed  
1102 W. Pine Oak Rd  
Rt. 1, Se 19971*



Electronically Recorded Document# 2022000014642 BK: 5667 PG: 301  
Recorder of Deeds, Scott Dailey On 3/23/2022 at 9:13:51 AM Sussex County, DE  
Consideration: \$0.00 County/Town: \$0.00 State: \$0.00 Total: \$0.00  
Doc Surcharge Paid Town: SUSSEX COUNTY

TAX MAP AND PARCEL #:  
3-34-10.00-69.11  
PREPARED BY & RETURN TO:  
Bonnie M. Benson, P.A.  
306 E. Camden-Wyoming Avenue  
Camden, DE 19934  
File No. 22-1451/

THIS DEED, made this 23 day of March 2022,

- BETWEEN -

WALTER R. BECK and STACY C. BECK, of 19786 Hermitage Way, Milton, DE 19968, parties of the first part,

- AND -

HANNAH E. BRAUN and ROBERT C. BRAUN, III, of 19786 Hermitage Way, Milton, DE 19968, parties of the second part.

**WITNESSETH:** That the said parties of the first part, for and in consideration of the sum of **Ten Dollars (\$10.00)**, lawful money of the United States of America, the receipt whereof is hereby acknowledged, hereby grant and convey unto the parties of the second part, as tenant of the entireties, and their heirs and assigns, in fee simple, the following described lands, situate, lying and being in Sussex County, State of Delaware:

**ALL THAT CERTAIN** lot, piece or parcel of land identified as Lot 2 on the Minor Subdivision Plan for land of Walter and Stacy Beck prepared by DJR Engineering LLC dated September 6, 2021 and recorded in the Office of the Recorder of Deeds in and for Sussex County, Delaware in Plot Book 361, Page 92, containing 10.469 acres of land more or less.

**TOGETHER WITH AND BENEFITTED** by the easements reserved in the Deed of H. Edward Maull, Jr. to Elva M. Short dated July 2, 1987 and filed for record in the Office of the Recorder of Deeds, in and for Sussex County at Georgetown, Delaware in Deed Book 1502, page 349.

**THE PARTY OF THE FIRST PART** further grants and conveys unto the parties of the second part, their heirs and assigns, forever, a permanent, non-exclusive easement, privilege and right of use for ingress and egress over the lands designated as 65' Perpetual Easement on a plot of land of Charles V. Marvel, filed for record in the Office of the Recorder of Deeds, in and for Sussex County at Georgetown, Delaware, in Plot Book 75, page 308, (the "Plot") for vehicular and pedestrian access to lands herein conveyed unto the parties of the second part and the lands herein conveyed shall be subject to the rights of others in and to the use of easement areas. The grantees herein, their heirs or assigns, shall have the right to improve the easement area for the

Document# 2022000014642 BK: 5667 PG: 302

Recorder of Deeds, Scott Dailey On 3/23/2022 at 9:13:51 AM Sussex County, DE

Doc Surcharge Paid


entire course and width, but shall not be required to do so. The need for maintenance of said easement shall be determined by a majority of the front footage ownership with each side of the centerline, each parcel shall have a vote. If a determination is made that maintenance is needed by majority vote, the expense of the same shall be shared on a pro-rata basis, based upon the front footage along the centerline of said easement of any parcel served by the easement. This easement shall run with the land, and shall be for the benefit and use of the parties of the second part, their heirs and assigns, the perpetuity.

**BEING** the same lands conveyed to Walter R. Beck and Stacy C. Beck from Charles V. Marvel, by Deed, dated August 16, 2002, and recorded in the Office of the Recorder of Deeds in and for Sussex County, Delaware, on August 16, 2002, in Deed Book 2740, Page 268.

**SUBJECT** to any and all restrictions, reservations, conditions, easements and agreements of record in the Office of the Recorder of Deeds in and for Sussex County, Delaware.

**IN WITNESS WHEREOF**, the parties of the first part have hereunto set their hands and seals the day and year first above written.

Signed, Sealed and Delivered  
in the presence of:



As to both

 (SEAL)  
Walter R. Beck

 (SEAL)  
Stacy C. Beck

STATE OF DELAWARE, COUNTY OF SUSSEX: to-wit

**BE IT REMEMBERED**, that on March 23, 2022, personally came before me, the subscriber, Walter R. Beck and Stacy C. Beck, parties of the first part to this Indenture, known to me personally to be such, and acknowledged this Indenture to be their act and deed.

GIVEN under my Hand and Seal of Office the day and year aforesaid.

  
Notary Public

Karlyn A. Shockley  
Notary Public

My Commission Expires: State Of Delaware

My Commission Expires 10-29-2023

5375

BK: 4229 PG: 244

Tax No.: 3-34 10.00 69.01  
PREPARED BY & RETURN TO:  
Tunnell & Raysor, P.A.  
30 E. Pine Street  
Georgetown, DE 19947  
File No. DO2348/CCE

NO TITLE SEARCH REQUESTED  
NO TITLE SEARCH PERFORMED  
NO TITLE GUARANTEE  
DEED PREPARATION ONLY

THIS DEED, made this 14<sup>th</sup> day of February, 2014,

- BETWEEN -

AMY F. HOPKINS, of 3835 Eisenhower Avenue, Alexandria, Virginia 22304,  
party of the first part,

- AND -

HOPKINS HENLOPEN HOMESTEAD, LLC, of 18186 Dairy Farm Road,  
Lewes, Delaware 19958, as sole owner, party of the second part.

**WITNESSETH:** That the said party of the first part, for and in consideration of the sum of **ONE DOLLAR (\$1.00)**, lawful money of the United States of America, the receipt whereof is hereby acknowledged, hereby grants and conveys unto the party of the second part, and its heirs and assigns, in fee simple, the following described lands, situate, lying and being in Sussex County, State of Delaware:

**ALL** that certain tract, piece and parcel of land, situate, lying and being in Lewes & Rehoboth Hundred, Sussex County, State of Delaware, lying on the southwestern right of way of County Road #262, more particularly described as follows, to wit:

**BEGINNING** at a point situated on the southwestern right of way line of County Road #262, said point lying South 60 degrees 27 minutes 12 seconds East 1,890.03 feet from a point which is a common corner for lands conveyed to Charles V. Marvel as well as lands now or formerly of Gilbert H. Joseph and Sara E. Joseph, his wife; thence running by and along the southwestern right of way of County Road #262 South 60 degrees 27 minutes 12 seconds East 377.28 feet to a point; thence continuing by and along the southwestern right of way of County Road #262 South 59 degrees 59 minutes 50 seconds East 1,851.68 feet to a point, being a corner for these lands and lands now or formerly of

TUNNELL  
RAYSOR, P.A.  
Georgetown, Delaware

FD

SK

BK: 4229 PG: 245

Elva M. Short and William F. Short; thence turning and running South 25 degrees 47 minutes 10 seconds West 246.67 feet to a found large field stone; thence turning and running South 68 degrees 28 minutes 09 seconds West through a 24 to 30 inch tree on line with the wire in center a total distance of 1,648.71 feet to a found cedar post; thence turning and running South 14 degrees 27 minutes 07 seconds East 1,291.13 feet to a found iron pipe; thence turning and running by and along a common boundary line for these lands and lands reputed to be now or formerly of Mrs. George M. Otto South 87 degrees 04 minutes 26 seconds West 2,068.66 feet to a found iron pipe; thence turning and running by and along a common boundary line for these lands and lands now or formerly of James Lee Carpenter North 3 degrees 30 minutes 29 seconds East 777.27 feet to a point; thence turning and running South 86 degrees 29 minutes 31 seconds East 846.79 feet to a point; thence turning and running North 3 degrees 27 minutes 50 seconds East 725.29 feet to a point; thence continuing North 17 degrees 26 minutes 17 seconds East 191.74 feet to a point; thence, continuing North 9 degrees 47 minutes 24 seconds East 98.19 feet to a point; thence turning and running South 59 degrees 59 minutes 50 seconds East 357.60 feet to a point; thence turning and running North 28 degrees 42 minutes 26 seconds East 730.54 feet to a point; thence turning and running North 61 degrees 17 minutes 54 seconds West 601.0 feet to a point; thence turning and running North 20 degrees 42 minutes 20 seconds East 873.23 feet, home to the place of beginning and said to contain 98.603 acres of land, be the same more or less, as shown as lands to be conveyed to Elva M. Short on a survey prepared by W. Julian Marvel, Registered Delaware Land Surveyor, said survey dated February 10, 1987 and of record in the Office of the Recorder of Deeds in and for Sussex County, at Georgetown, Delaware, in Plot Book 37 Page 200.

**BEING** the same lands conveyed to Amy F. Hopkins from Vernon C. Short and Theodore R. Short, by Deed dated July 26, 2013, recorded in the Office of the Recorder of Deeds in and for Sussex County, Delaware, on July 30, 2013, in Deed Book 4154, Page 157.

**SUBJECT** to any and all restrictions, reservations, conditions, easements and agreements of record in the Office of the Recorder of Deeds in and for Sussex County, Delaware.



BK: 4229 PG: 246

IN WITNESS WHEREOF, the party of the first part has hereunto set her hand and seal the day and year first above written.

Signed, Sealed and Delivered  
in the presence of:

C.C. Emmert

Amy F. Hopkins (SEAL)  
Amy F. Hopkins

STATE OF Delaware

:  
: SS

COUNTY OF Sussex

:

BE IT REMEMBERED, that on February 14, 2014, personally came before me, the subscriber, Amy F. Hopkins, party of the first part to this Indenture, known to me personally to be such, and acknowledged this Indenture to be her act and deed.

GIVEN under my Hand and Seal of Office the day and year aforesaid.

C.C. Emmert  
Notary Public

My Commission Expires: N/A

CHRISTOPHE CLARK EMMERT  
ATTORNEY AT LAW WITH  
POWER TO ACT AS NOTARY PUBLIC  
PER 29 DEL. C SEC 4323 (A) 3

Consideration: .00

County	.00
State	.00
Town	.00
Total	.00

Received: Kara S Feb 21, 2014

**RECEIVED**

FEB 21 2014

**ASSESSMENT DIVISION  
OF SUSSEX COUNTY**

TRUNNELL  
RAYSOR, P.A.  
Georgetown, Delaware

Recorder of Deeds  
Scott Doiles  
Feb 21:2014 01:41P  
Sussex County  
Doc. Surcharge Paid

23376      02403 281

Parcel #P/O 3-34 10.00 69.02

This Deed, made this 4th day of July, 1999,

**BETWEEN Charles V. Marvel, R.R.#2, Box 188B, Milton, DE 19968 party of the first part,**

- AND -

**Troy E. Trimmer, as sole owner, P.O. Box 446, Greenwood, DE 19950 party of the second part,**

WITNESSETH, that the said party of the first part, for and in consideration of the sum of **NINETEEN THOUSAND FIVE HUNDRED EIGHTY FIVE DOLLARS and 00/100 (\$19,585.00)**, lawful money of the United States of America, the receipt whereof is hereby acknowledged, hereby grants and conveys unto the said party of the second part, his heirs and assigns,

ALL that certain tract, piece and parcel of land situate, lying and being in Lewes & Rehoboth Hundred, Sussex County and State of Delaware, and being designatd as Parcel "A", containing 8.447 acres of land, on a property survey prepared by Citadel Engineering, Inc., Jeffrey S. Reed, Professional Engineer, said plot being filed for record in the Office of the Recorder of Deeds, in and for Sussex County at Georgetown, Delaware, in Plot Book 63, page 317.

BEING a part of the same land conveyed unto Charles V. Marvel and Hilda C. Marvel by a Deed of Charles V. Marvel dated July 2, 1987 and filed for record in the Office of the Recorder of Deeds, in and for Sussex County at Georgetown, Delaware, in Deed Book 1503, page 5. Hilda C. Marvel departed this life intestate April 6, 1999 at which time her interest in the property passed unto Charles V. Marvel in its entirety by right of survivorship.

SUBJECT to the easements reserved in the Deed of H. Edward Maull, Jr. to Charles V. Marvel dated July 2, 1987 and filed for record in the Office of the Recorder of Deeds, in and for Sussex County at Georgetown, Delaware, in Deed Book 1503, page 1.

TOGETHER WITH AND BENEFITTED by the easements reserved in the Deed of H. Edward Maull, Jr. to Elva M. Short dated July 2, 1987 and filed for record in the Office of the Recorder of Deeds, in and for Sussex County at Georgetown, Delaware, in Deed Book 1502, page 349.

PREPARED BY  
Sergovic & Ellis, P.A.  
8 North Fickett Street  
P.O. Box 586  
Georgetown, DE 19947

Consideration \$		19585.00	Receipt Code: A
County	State	Total	
293.77	293.77	587.54	
counter	Date: 07/12/1999		

02403 282

IN WITNESS WHEREOF, the said party of the first part has hereunto set his hand and seal the day and year first hereinbefore written.

Signed, Sealed and Delivered  
in the presence of

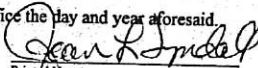


Charles V. Marvel (SEAL)  
Charles V. Marvel

State of Delaware )  
: S.S.  
County of Sussex )

BE IT REMEMBERED, that on July 09, 1999, personally came before me, the Subscriber, Charles V. Marvel, party of the first part to this Indenture, known to me personally to be such, and acknowledged this Indenture to be his act and deed.

Given under my Hand and Seal of office the day and year aforesaid.



Printed Name  
Notary Public, Delaware  
My Commission Expires: Joan L. Tyndall  
Notary Public, Delaware  
Comm. Exp 2/9/01



Received

JUL 13 1999

ASSESSMENT DIVISION  
OF SUSSEX CTY

RECORDER OF DEEDS  
RICHARD H. BELL, II

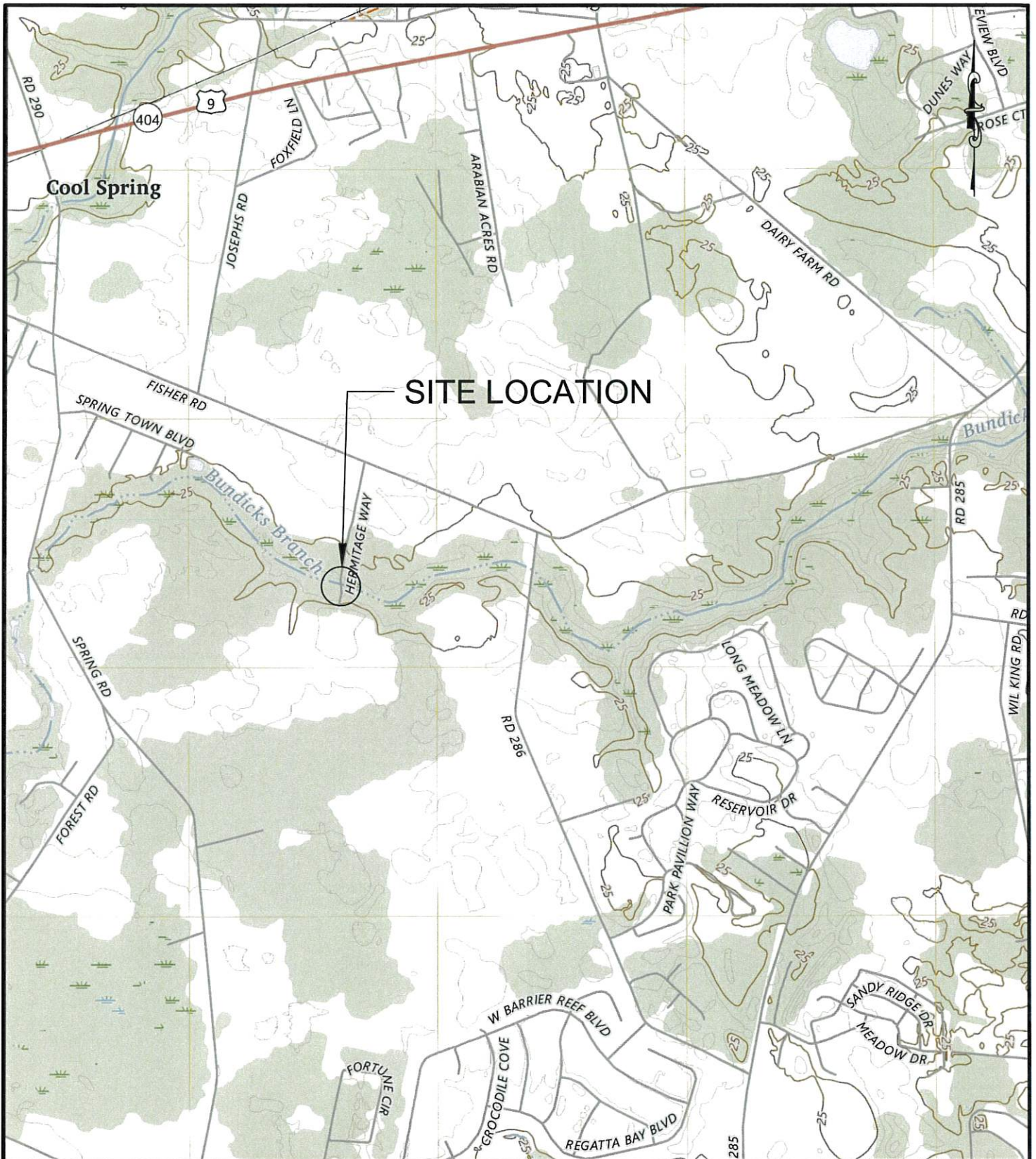
99 JUL 12 PM 3:23

SUSSEX COUNTY  
DOC. SURCHARGE PAID

SPROGIE & ELLIS, P.A.  
9 NORTH FRONT STREET  
P.O. Box 866  
Georgetown, DE 19047

7-29-99  
Joy E. Summer  
P.O. Box 446 Greenwood, DE 19950





Date:	OCT. 2024
Scale:	NOT TO SCALE
Dwn.By:	KWW
Proj.No.:	0004-0531
FAIRMONT QUAD.	
Dwg.No.:	1

## USGS TOPO MAP

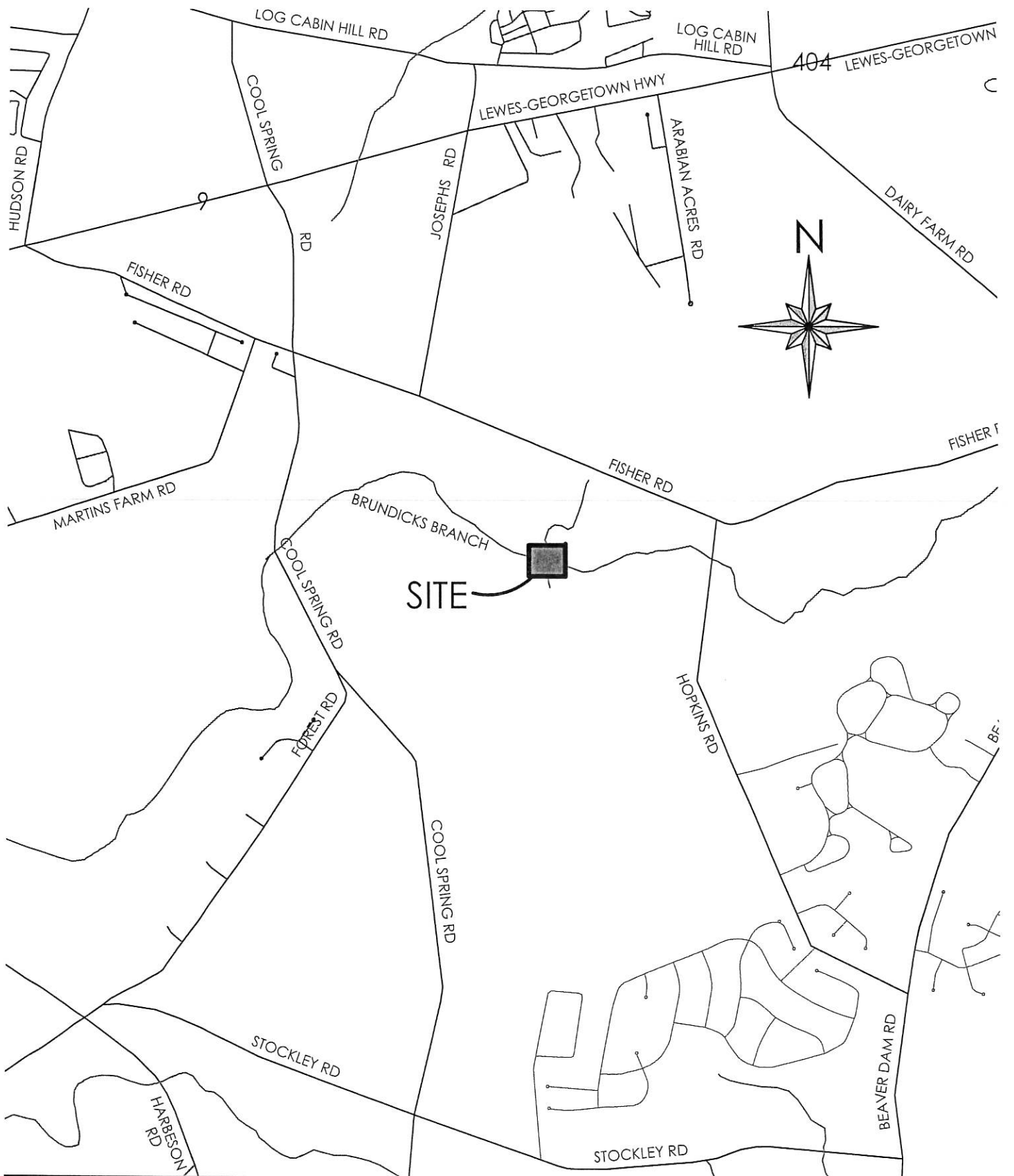
### LIGHTSHIP COVE CULVERT REPLACEMENT

TAX MAP PARCEL 334-10.00-69.01, 69.03, 69.05, & 69.11  
LEWES & REHOBOTH HUNDRED  
SUSSEX COUNTY, DELAWARE

**ERI** ENVIRONMENTAL  
RESOURCE  
INSIGHTS

A DIVISION OF DAVIS, BOWEN & FRIEDEL, INC.





# VICINITY MAP & Waters of U.S. Impact Locations

## HERMITAGE WAY EXTENDED

Lewes & Rehoboth Hundred  
Sussex County, Delaware  
Prepared for: Schell Brothers, LLC

Drawn: ML

Scale: NONE

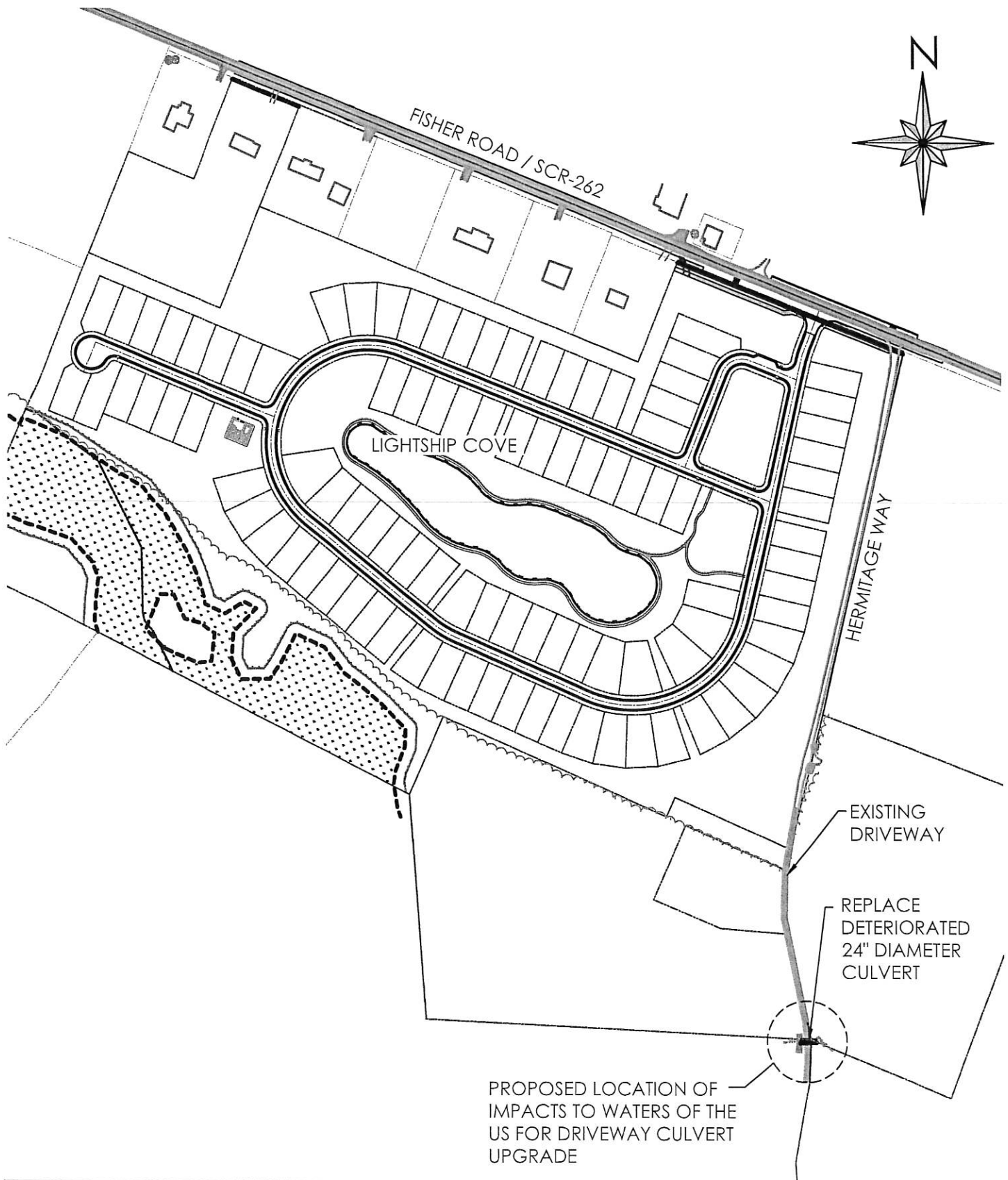
Date: 10/7/24

Job No: S23059

Sheet 1



303 N. Bedford Street  
Georgetown, DE 19947  
T. 302.297.9215  
www.solutionsipem.com



303 N. Bedford Street  
Georgetown, DE 19947  
T. 302.297.9215  
www.solutionsipem.com

## Overall Site Plan & Waters of U.S. Impact Locations

### HERMITAGE WAY EXTENDED

Lewes & Rehoboth Hundred  
Sussex County, Delaware  
Prepared for: Schell Brothers, LLC

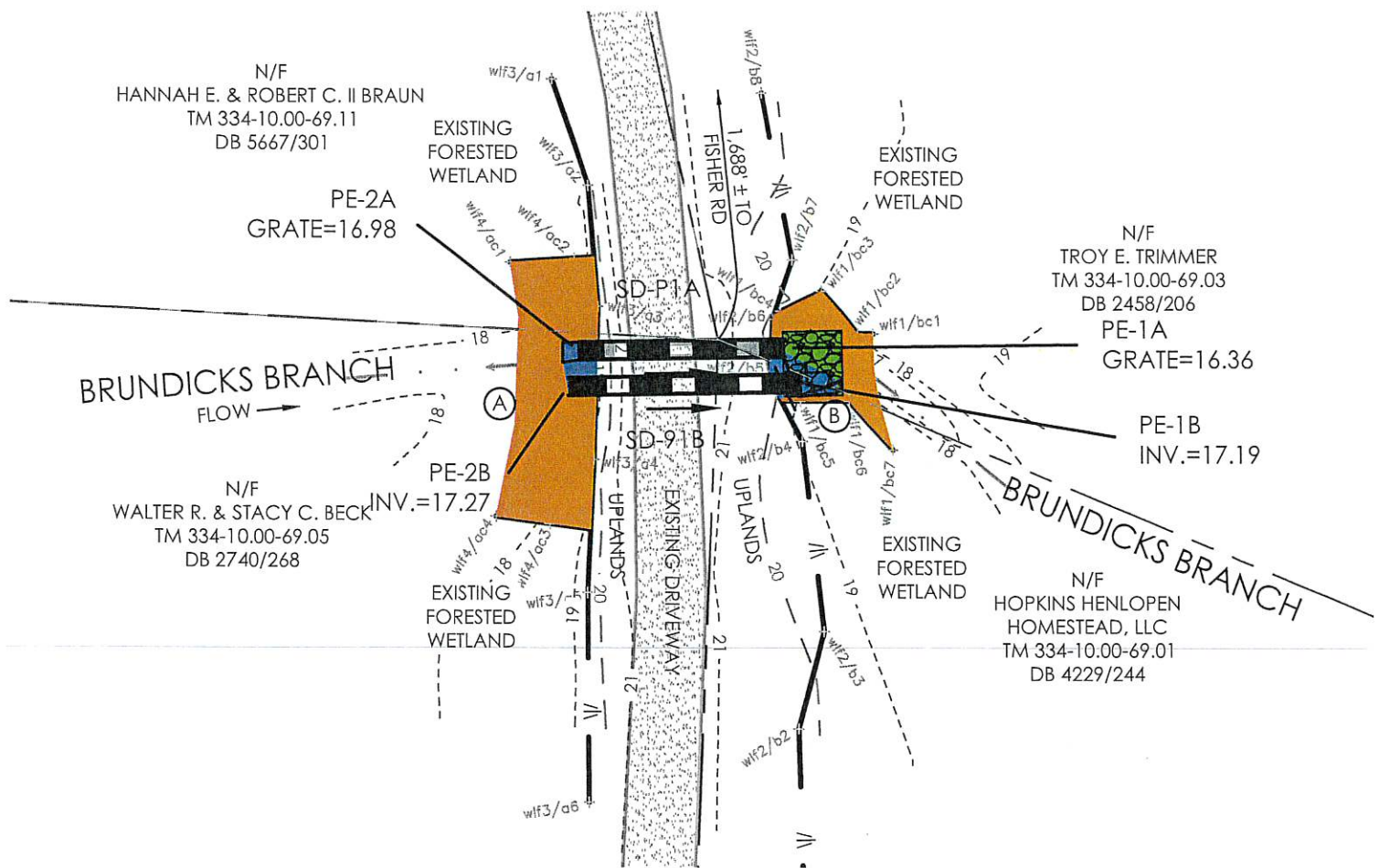
Drawn: ML

Scale: NONE

Date: 10/7/24

Job No: S23059

Sheet 2



NOTE: EXISTING 24" CULVERT TO BE REPLACED WITH TWIN 36" RCP CULVERTS

Total Proposed Disturbance to Waters:  
0.0042 AC.±

(A) 0.0012 AC.±

(B) 0.0030 AC.±

WATERS OF US & DNREC SUBAQUEOUS LAND

#### BREAKDOWN OF IMPACT AREA A

AREA OF WATERS OF US & DNREC SUBAQUEOUS LANDS IMPACT FOR CULVERT REPLACEMENT = 0.0012 AC.

#### BREAKDOWN OF IMPACT AREA B

AREA OF WATERS OF US & DNREC SUBAQUEOUS LANDS IMPACT FOR CULVERT REPLACEMENT = 0.0016 AC.

RIP RAP OUTLET PROTECTION IMPACT WATERS OF US & DNREC SUBAQUEOUS LANDS = 0.0014 AC.

## Culvert Replacement Site Plan

### HERMITAGE WAY EXTENDED

Lewes & Rehoboth Hundred  
Sussex County, Delaware  
Prepared for: Schell Brothers, LLC

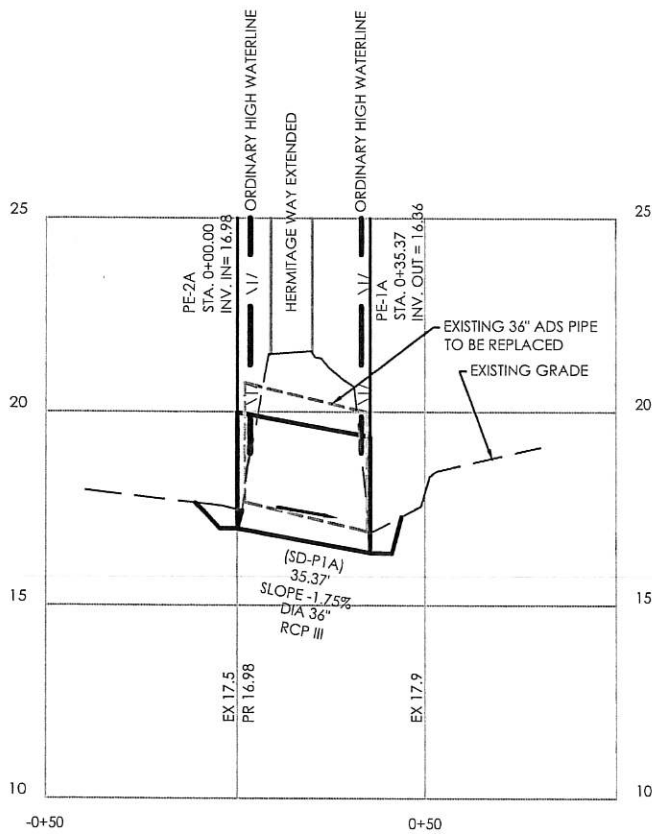
Drawn: ML

Scale: 1" = 30'

Date: 10/7/24

Job No: S23059

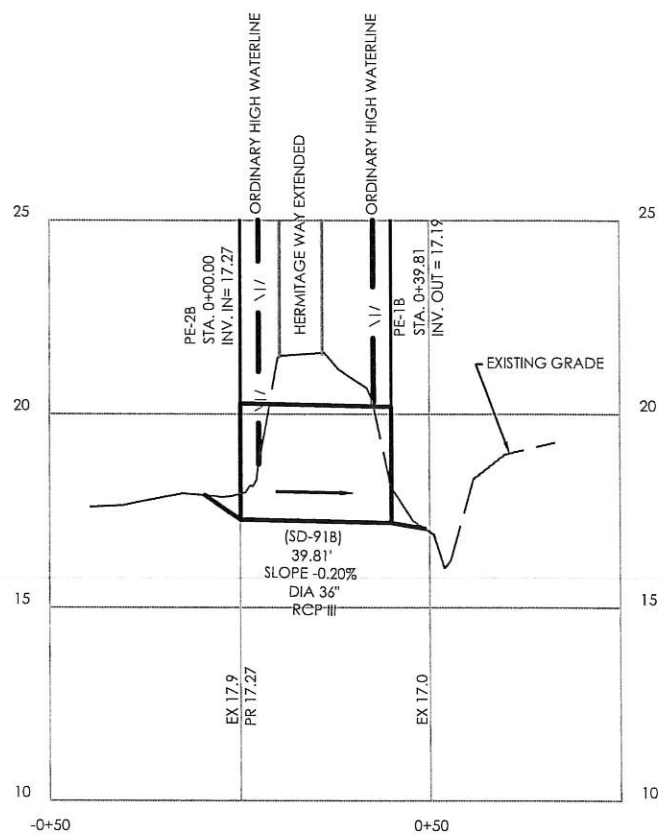
Sheet 3



### PE-2A - PE-1A PROFILE

SCALE: HORIZ.: 1"=50'

VERT.: 1"=5'



### PE-2B - PE-1B PROFILE

SCALE: HORIZ.: 1"=50'

VERT.: 1"=5'



303 N. Bedford Street  
Georgetown, DE 19947  
T. 302.297.9215  
www.solutionsipem.com

## Culvert Replacement Details Cross Sections

### HERMITAGE WAY EXTENDED

Lewes & Rehoboth Hundred  
Sussex County, Delaware  
Prepared for: Schell Brothers, LLC

Drawn: ML

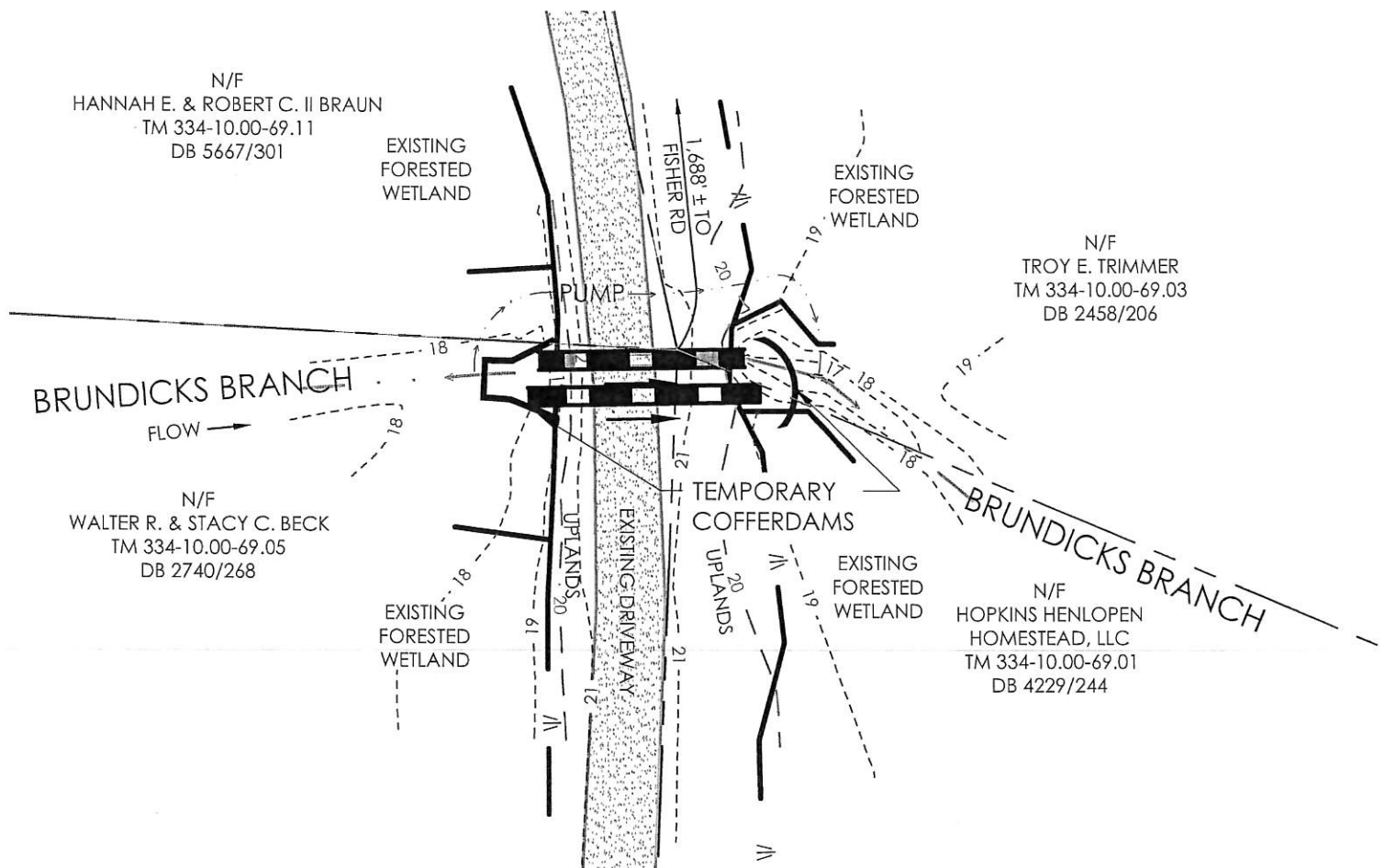
Scale: 1" = 50'

Date: 10/7/24

Job No: S23059


Sheet 4





### COFFERDAM STREAM DIVERSION NOTES

1. CONSTRUCTION SHALL BE PERFORMED DURING LOW FLOW CONDITIONS.
2. TEMPORARY STREAM IMPACTS SHALL BE WITHIN FINAL IMPACT AREAS. TEMPORARY COFFERDAM IMPACTS APPROXIMATELY 200 SQ.FT.
3. ALL MATERIALS AND EQUIPMENT USED MUST BE ADEQUATE TO WITHSTAND EXPECTED HYDRAULIC AND EQUIPMENT LOADS.
4. PUMP SHALL BE OF ADEQUATE SIZE TO CONVEY THE NORMAL WATER CHANNEL FLOW.
5. LARGE ROCKS, WOODY VEGETATION, OR OTHER MATERIAL IN THE STREAMBED AND BANKS WHICH MAY PRECLUDE PROPER INSTALLATION OF THE COFFERDAM MATERIALS AND/OR IMPEDE THE PROPOSED CONSTRUCTION SHALL BE REMOVED.
6. COFFERDAM SHALL BE FORMED BY PLACING SAND BAGS IN A SEMI-CIRCLE AROUND THE PROPOSED WORK AREA. HEIGHT OF THE COFFERDAM SHALL BE ADEQUATE TO KEEP WATER FROM OVERTOPPING THE DAM AND FLOODING THE WORK AREA. ALTERNATIVE MATERIALS INCLUDING RIPRAP, SHEET METAL OR WOOD PLANKS MAY BE USED FOR COFFERDAM CONSTRUCTION.
7. WATER IN THE WORK AREA SHALL BE PUMPED TO AN APPROVED DEWATERING PRACTICE.
8. ONCE ADEQUATELY DEWATERED, IN-STREAM CONSTRUCTION MAY BEGIN.

 Integrated Planning Engineering & Construction, LLC	303 N. Bedford Street Georgetown, DE 19947 T. 302.297.9215 www.solutionsipem.com	COFFERDAM DETAIL STREAM DIVERSION		Drawn: ML
				Scale: 1" = 30'
		HERMITAGE WAY EXTENDED		Date: 10/7/24
		Lewes & Rehoboth Hundred Sussex County, Delaware		Job No: S23059
		Prepared for: Schell Brothers, LLC		Sheet 5