

Section 1: Applicant Identification

1. Applicant's Name: J&Y Parker Family
 Mailing Address: c/o David Parker, M.P.
PO Box 822
Georgetown, DE 19947

Telephone #: (302) 542-3990

Fax #: _____

E-mail: _____

dparker@lifestyleholdingsgroupllc.com

2. Consultant's Name: Evelyn Maurmeyer
 Mailing Address: PO Box 674
Lewes, DE 19958

Company Name: CER, Inc.

Telephone #: (302) 645-9610

Fax #: (302) 645-4332

E-mail: maurmeye@udel.edu

3. Contractor's Name: Troy Messick
 Mailing Address: 25245 Banks Road
Millsboro, DE 19966

Company Name: J.T. Rogers Marine Const.

Telephone #: (302) 841-4955

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):

Applicant proposes to construct a 50' long x 3' wide elevated wetland walkway, and a 10' long x 4' wide pier to launch kayaks.

6. Check each Appendix that is enclosed with this application:

<input checked="" 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 type="checkbox"/> H. Fill	<input type="checkbox"/> O. Marinas
<input 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 checked="" type="checkbox"/> K. Jetties, Groins, Breakwaters	<input type="checkbox"/> R. Maintenance Dredging
<input type="checkbox"/> F. Intake or Outfall Structures	<input checked="" type="checkbox"/> M. Activities in State Wetlands	<input type="checkbox"/> S. New Dredging

Section 3: Project Location

7. Project Site Address: Bankhove Dr.
(no street address)
Millsboro DE 19966

County: N.C. Kent Sussex

Site owner name (if different from applicant): same

Address of site owner: "

8. Driving Directions: See Figures 1 and 2 for maps and directions

(Attach a vicinity map identifying road names and the project location)

9. Tax Parcel ID Number: #234-32.00-110.00 Subdivision Name: Millsboro

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 #: _____
Received Date:	Project Scientist: _____		Individual Permit # _____
Fee Received? Yes <input type="checkbox"/>	No <input type="checkbox"/>	Amt: \$ _____	Receipt #: _____
Public Notice #:	Public Notice Dates: ON _____		OFF _____

Section 3: Project Location (Continued)

10. Name of waterbody at Project Location: Indian River waterbody is a tributary to: Indian River Bay/ Atlantic Ocean
11. Is the waterbody: Tidal Non-tidal Waterbody width at mean low or ordinary high water 1,500' +
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:

(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 sheets

- 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):
See attached sheets

15. Provide the names of DNREC and/or Army Corps of Engineers representatives whom you have discussed the project with:
None

- 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: _____

Type of Permit: SPGP-20 eligibility Federal Permit or ID #: _____

18. Have you applied for permits from other Sections within DNREC?
 No Pending Issued Denied Date: _____ Permit or ID #: _____

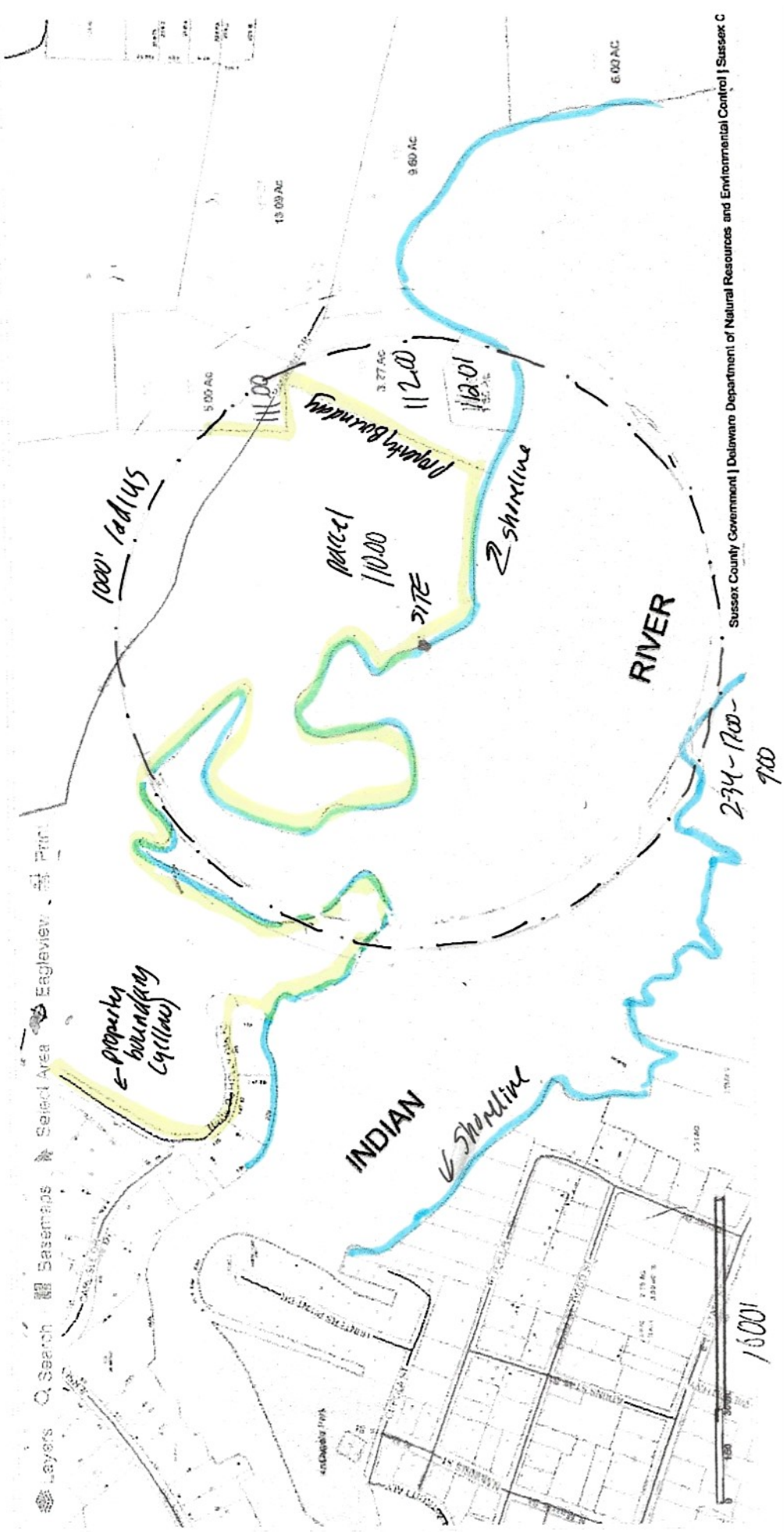
Type of permit (circle all that apply): Septic Well NPDES Storm Water

Other: _____

Sussex County Mapping

F.M. # 234-92.00

10/2/23, 10:27 AM





PROJECT SITE: Tax Map Parcel #234-32.00-110.00 (101 acres)

14A. List the name and mailing address of immediately adjoining property owners on all sides of the project.

<u>Tax Map Parcel #</u>	<u>Name, address of owner</u>
234-32.00-110.01	Janet Johnson & Ellen Lorraine McCabe, PO Box 1177, Millsboro DE 19966
234-32.00-109.00	Stanley & Linda Johnson, 29529 John J. Williams Hwy., Millsboro DE 19966
234-32.00-109.01	Conor & Ashleigh McCarthy, 26756 Jersey Road, Millsboro DE 19966
234-32.00-111.00	Sharyn Murray, 24656 Betts Pond Rd., Millsboro DE 19966
234-32.00-112.00	David & Diana Parker, PO Box 822, Georgetown DE 19947
234-32.00-117.00	Mountaire Farms of Delaware, Inc., PO Box 1320, Millsboro DE 19966

14B. For wetlands projects, list the name and complete mailing address of each property owner within a 1,000 foot radius of the project:

<u>Tax Map Parcel #</u>	<u>Name, address of owner</u>
234-32.00-111.00	Sharyn Murray, 24656 Betts Pond Rd., Millsboro DE 19966
234-32.00-112.00	David & Diana Parker, PO Box 822, Georgetown DE 19947
234-32.00-112.01	David & Diana Parker, PO Box 822, Georgetown DE 19947
234-17.00-9.00	Intervet Inc., One Merck Drive, White House Sta. NJ 08889

Section 5: Signature Page

19. Agent Authorization:

If you elect to complete this agent authorization 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, David K. Parker, Mgmt., hereby designate and authorize Evelyn Maurmeyer, CER, Inc.
 Name of Applicant Partner, J&Y Parker Family LP Name of Agent

to act on my behalf in the processing of this application and to furnish any information that is requested by the Department.

Authorized Agent's Name: Evelyn Maurmeyer
 Mailing Address: CER, Inc. Telephone #: (302) 645-9610
PO Box 674 Fax #: (302) 645-4332
Lewes DE 19958 E-mail: maurmeye@udel.edu

20. Agent Signature

I hereby certify that the information on this form and on the attached plans is 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.

[Handwritten Signature]
 Agent's Signature

10/10/23
 Date

21. Applicant's Signature:

I hereby certify that the information on this form and on the attached plans is 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.

David K. Parker, Mgmt Partner
 Applicant's Signature
DAVID K PARKER
 Print Name

10/12/23
 Date



22. Contractor's Signature:

I hereby certify that the information on this form and on the attached plans is 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.

[Handwritten Signature]
 Contractor Name

 Date

BOAT DOCKING FACILITIES

Any boat docking facility for more than four (4) vessels is considered a marina facility (see definitions and explanations section) and requires the applicant to complete Appendices N and O, and make application to the U. S. Army Corps of Engineers for approval.

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

1. Briefly describe the project. (Attach additional sheets as necessary.)

Applicant proposes to construct a 10' long x 4' wide pier to launch kayaks.

2. Please provide numbers and dimensions as follows:

Structure Type	Number of Support Pilings	Dimensions (Channelward of MHW or OHW)		Dimensions (Channelward of MLW- n/a for non-tidal water)		New, repair or maintain
		Width ____ ft.	Length ____ ft.	Width ____ ft.	Length ____ ft.	
Dock, Pier, Lift, gangway						
Pier	4	4'	10'	--*	--*	new
* Extensive intertidal flat present at site. Pier will be used to launch kayaks at higher tides.						
Freestanding Pilings	Number 0					

Mooring Buoy: How many moorings will be installed? _____

What will be used for the anchor(s)? _____

Anchor/Mooring Block Weight _____

Anchor Line Scope (Length or Ratio) _____

Water Depth at Mooring Location _____

3. Approximately how wide is the waterway at this project site? 1500± ft. (measured from MLW to MLW)

4. What will be the mean low water depth at the most channelward end of the mooring facility? 0 ft.

Extensive tidal flat at kayaking will take place at high tide.

5. What type of material(s) will be used for construction of the mooring facility (e.g. salt treated wood, aluminum, fiberglass floats, etc.) Use of creosote-treated wood is prohibited.

Salt-treated wood.

6. Circle any of the following items that are proposed over subaqueous lands:

Fish Cleaning Stations/Benches/Ladders/Water Lines/ Satellite/Electric Lines/ Handrails/Other (Describe)

If any of the items are circled above, include their dimensions and location on the application drawings.

7. What will be the distance from the most channelward end of the docking facility to the edge of any natural or man-made channel? 600 ft±
8. Describe the vessels that will be berthed at the docking facility. Please draw proposed vessel locations on plans and drawings.
 Kayaks will be launched from the pier.
- | | | | |
|------------------|--------------|-------------|-------------|
| Make/model _____ | length _____ | width _____ | draft _____ |
| Make/model _____ | length _____ | width _____ | draft _____ |
| Make/model _____ | length _____ | width _____ | draft _____ |
| Make/model _____ | length _____ | width _____ | draft _____ |
9. Please provide a copy of the current state registration or Coast Guard Certificate of Documentation for each motorized vessel listed above.
 Not required for non-motorized vessels.
10. Give the number and type of each Marine Sanitation Device (e.g. MSD III, Portable toilet) that will be used on vessels to be docked at the facility.
 none
11. Is there currently a residence on the property? Yes No
12. Do you plan to reach the boat docking facility from your own upland property? Yes* No If "No", explain your proposed means of access and provide documentation of easement or documentation authorizing access if you intend to cross someone else's property.
 * via elevated walkway across wetlands.
13. Will any portion of the structure be located in privately owned underwater land (such as a pond or lagoon) owned by someone other than the applicant? Yes No.
 If yes, written permission of the underwater land owner must be provided with this application.
14. What is the width of the waterfront property frontage adjacent to subaqueous lands? >>2000 ft.
 Will any portion of the structure or any vessel be placed within 10 feet of your neighbor's property line?
 Yes No
 If yes, a letter of no objection from the adjacent property owner must be included with this application.

ACTIVITIES IN STATE WETLANDS

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

1. Project description and explanation of need.

Applicant proposes to construct a 50' long x 3' wide wetland walkway to provide access to a proposed 10' x 4' pier.

2. What is area of impact for each activity in state wetlands?

Wetlands Walkways/Other Structures:

Length 50 ft. Width 3 ft.

Piles 4 Height +3 ft. over marsh

3. What is volume of fill or excavated material involved in this project?

Fill 0 cubic yards

Excavation 0 cubic yards

4. Map number of state wetland map where project is located: DNR # 138 (see Figure 4)

ENVIRONMENTAL SUMMARY - PLEASE SUBMIT AN EVALUATION OF IMPACT OF THE PROPOSED ACTIVITY (ATTACH ADDITIONAL SHEETS AS NEEDED): SEE ATTACHED REPORT

5. State reasons that structures cannot feasibly be located on lands other than wetlands.
6. Detail temporary and permanent changes which would be caused by the proposed project and the impact of these changes on the project area and adjacent areas.
7. Describe alternatives to the proposed action which would reduce or avoid environmental damage.
8. Describe all measures to be taken during and after the completion of the proposed project to reduce detrimental effects.
9. Describe all permanent environmental impacts which cannot be avoided.

10. Submit detailed evaluation of impact of the proposed project on the following:

a. Value of tidal ebb and flow

- i. Production Value: carrying organic matter to adjacent estuaries and coastal waters which serve as breeding areas for certain animal species (especially fish and shellfish).
- ii. Value as a natural protective system of absorption of storm wave energy, flood waters, and heavy rainfall, thereby decreasing flood and erosion damage.
- iii. The prevention of silting in certain harbors and inlets thereby reducing dredging.
- iv. Removal and recycling of inorganic nutrients.
- v. Effect on the estuarine waters.

b. Habitat Value

- i. Habitat for resident species of wildlife including furbearers, invertebrates, finfish.
- ii. Habitat for migratory wildlife species including waterfowl, wading birds, shorebirds, shorebirds, passerines, finfish, shrimp.
- iii. Rearing area, nesting area, breeding grounds for various species.
- iv. Habitat for rare or endangered plants.
- v. Presence of plants or animals known to be rare generally, or unique to the particular location.
- vi. Presence of plants or animals near the limits of their territorial range.
- vii. Presence of unique geological or wetland features.

c. Aesthetic Effect - Consideration of the aesthetic effect may include:

- i. Presence of plants or animals of a high visual quality.
- ii. The presence of an associated water body.
- iii. Wetland type or topographic diversity.

d. Impact of Supporting Facilities

The supporting facilities to be considered include any public or private construction, whether or not the construction occurs in the wetlands, which would be required for construction or operation of the proposed wetlands activity, such as roads, sewage disposal facilities, electric lines, water supply systems, and schools. Effects shall be separately determined for the lands neighboring such facilities.

e. Effect on Neighboring Land Uses

- i. The effects of the proposed wetland activity on neighboring land use are to be considered whether or not the neighboring lands are wetlands.
- ii. The environmental, aesthetic and economic effects of the proposed wetlands activity on land uses neighboring the lands on which supporting facilities will be located may be considered.

f. Federal, State, Regional, County and Municipal Comprehensive Plans.

Compliance of the proposed activities with the plans of the jurisdiction in which it is proposed to take place, and its impact on the plans of other affected jurisdictions.

g. Economic Impact

Economic Impact shall include a short and long-term evaluation of the following factors to the extent the effect is directly attributable to the proposed activity:

- i. Jobs created or lost and the net income effect of jobs.
- ii. Increases in revenues to or increases in expenditure by State, County and local governments (e.g., increased taxes from an increased tax base and increased expenditure for maintaining supporting facilities).
- iii. Increases or decreases in the value attributable to the wetland as a source of nutrients to finfish, crustacea and shellfish and as habitats of such species or other flora or fauna of significant actual or potential economic value.
- iv. Increases or decreases in the value of the land as a recreational area.
- v. Increases or decreases in the cost of flood control or expected flood damage which might be caused by the effect of the activity on the natural capacity of the wetland to reduce flood damage.
- vi. Increases or decreases the costs of maintaining navigable harbors and waterways which would result from altering the capacity of the wetlands to absorb silt.
- vii. The net economic effect, both public and private, or any contemplated supporting facilities.
- viii. The net economic effect, both public and private, of the proposed activity on neighboring land uses.



COASTAL & ESTUARINE RESEARCH, INC.

Marine Studies Complex
P.O. Box 674
Lewes, Delaware 19958
302-645-9610

October, 2023

**APPENDIX M:
CONSTRUCTION IN STATE-REGULATED WETLANDS**

Applicant

J&Y Parker Family Limited Partnership
c/o David Parker, Management Partner
PO Box 822
Georgetown, DE 19947
(302) 542-3990
dparker@lifestyleholdingsgroupllc.com

Site Location and Description

The project site is located off of Bankove Drive, Millsboro, Sussex County, Delaware (Tax Map Parcel #234-32.00-110.00). See Figures 1 and 2 for location maps and directions to site. The site is depicted on USGS topographic map, Millsboro, Delaware quadrangle (see Figure 3), and is adjacent to Indian River. The site is depicted on State of Delaware DNREC Wetland Map #138 (see Figure 4), and is mapped M (marsh) and T (tidal flat, in some cases vegetated/sand bars). See Figure 5 for aerial photograph, and Figure 7 for ground-level photographs. Wetland vegetation is dominated by smooth cordgrass (*Spartina alterniflora*).

Proposed Project

The applicants propose to construct an elevated walkway/boardwalk extending from uplands to the channelward edge of vegetation, 50' in length x 3' in width, elevated 3' above the wetland surface. Purpose of the walkway is to provide access to a proposed 10' long x 4' wide pier (see Appendix A), to be used to launch kayaks (at high tide). See Figure 8 for plan view and cross-section sketches of proposed project.

ENVIRONMENTAL SUMMARY

5. The project cannot feasibly be located on lands other than wetlands because the purpose of the elevated walkway is to provide access from the applicant's upland property across wetlands to a proposed pier in Indian River to launch kayaks at high tide (recreational boating, a water-dependent activities). There are no uplands directly adjacent to the waterway on the applicant's property (see Figure 4).
6. Temporary changes resulting from the project may include short-term impacts to wetlands during construction of the walkway. Work will be conducted starting at the uplands, and will continue in a channelward direction. Support pilings (8" diameter at 5' centers) will be installed using an excavator; stringers, walers and decking will be built by hand, and will consist of salt-treated wood. Permanent changes to the area include the presence of a walkway in the wetland area.
7. The proposed project has been minimized to reduce environmental impacts to the greatest extent feasible. The walkway will be located at a narrow section of the marsh (50' from uplands to the waterway). The "footprint" of the 50' long x 3' wide structure will be only 150 sq. ft., impacting a very small area of wetlands on site. The walkway will be elevated 3' above the wetland surface, so shading effects will be minimal. The only alternative to construction of a walkway is to walk across the wetlands. Walking on the soft, muddy substrate is neither practical nor safe, due to the danger of sinking into the mud. Pedestrian traffic would eventually kill the grasses, resulting in a barren surface.
8. The proposed walkway has been designed to reduce environmental impacts to the greatest extent feasible by incorporating recommendations set forth in the WSLs Docking Facilities Guidance Document (July, 2005). These include the following:
- Locating the walkway where the length of vegetated wetlands to be crossed is only 50' (much less than the WSLs limit of 150').
 - Keeping the width of the walkway at 3', to minimize shading effects.
 - Elevating the walkway 3' above the wetland surface, also to minimize shading effects.
9. Permanent environmental impacts which cannot be avoided include the "footprint" of the walkway (50' x 3' = 150 sq. ft.). However, since the structure will be elevated 3' above the marsh surface to minimize shading effects, it is anticipated that wetland vegetation will continue to grow beneath the structure, as is the case for most elevated walkways. The support posts will result in a permanent loss of a small area of vegetated wetlands.

However, it should be noted that this is a very small fraction of the total wetland area on the applicant's property; therefore wetland functions (as described in the following sections) should continue undiminished.

10. Evaluation of the impacts of the proposed project on the following:

A. Value of tidal ebb and flow

1. The proposed project will have minimal effects on production value. The processes by which organic matter is carried to the adjacent waters (tidal ebb and flow) should not be impeded by the proposed project, as the height of the elevated structure will continue to allow tidal inundation of wetlands underlying the proposed walkway.

2. The presence of extensive tidal wetland buffers along Indian River serves as a natural protective system for absorption of storm wave energy, flood waters, and heavy rainfall (thereby decreasing flood and erosion damage). Daiber and others (1976) state that the large size of wetlands enhances their value as storm surge buffers. The width of the wetland fringe along Indian River in the vicinity of the project site will remain the same after completion of the structure, so that its function as a buffer will not be affected. The presence of intertidal wetlands dominated by smooth cordgrass (*Spartina alterniflora*) will continue to attenuate wave and flood waters at the project site upon completion of the project.

3. Although there may be minor scouring at the base of the pilings, it is not anticipated that this will lead to silting of the adjacent waterway and necessitate dredging. Based on studies of the Holland Glade marsh by Stumpf (1983), much of the entrained sediment in the wetlands area is expected to settle on the lower and upper marsh during flood tidal conditions and storm events, respectively, or become trapped by biological processes (adhesion onto stems and leaves of the vegetation; filtration by the ribbed mussel, *Geukensia demissa*). Thus, the proposed project is not likely to contribute to siltation in the waterway.

4. The proposed project will have a minimal effect on the removal and recycling of inorganic nutrients, since the elevated structure will permit natural wetlands processes (tidal ebb and flow) to continue.

5. The elevated walkway is not expected to have adverse impacts on estuarine waters. Construction materials will consist of materials approved for use in estuarine environments (salt-treated wood, galvanized hardware).

B. Habitat Value

Wetland vegetation at the project site is dominated by smooth cordgrass (*Spartina alterniflora*). Estuarine tidal wetlands such as those at the project site serve as feeding and nesting habitats for shorebirds, wading birds, waterfowl, and small songbirds (Tiner, 1985), including sparrows, wrens, clapper rail, willet, yellowlegs, ibis, egrets, and herons (Perry, 1985). Black ducks and Green-winged teal eat roots and rhizomes of wetland grasses; leaves and stems are eaten by geese and muskrats. Stems are also used for muskrat lodges and nesting materials for rails and willets (Daiber and others, 1976). Invertebrate fauna found in tidal wetlands include crustaceans (fiddler crabs, marsh crabs) and mollusks (ribbed mussel, marsh snails, common periwinkle); reptiles (turtles, snakes) also utilize wetlands (Perry, 1985). Fish residing in Delaware's salt marshes include the mummichog, striped killifish, and sheepshead minnow (Mutz, 1995). Jones (1978) and Winkler (1981) documented the presence of several species of small mammals (including meadow vole, rice rat, and shrews) in Delaware's tidal wetlands. Predators (foxes and racoons) eat some of the small mammals found in this zone (Perry, 1985). Occasionally, upland species, such as rabbits, opossums, foxes, and deer utilize the marsh for food resources, cover, and/or migratory corridors (Daiber and others, 1976; Tiner, 1985). Mosquito production varies in this area; greenhead flies breed and develop in the wetter parts of the marshes (Daiber and others, 1976).

The elevated walkway should not adversely affect wetland habitats once the structure is in place, as most species should be able to continue to utilize the area after project completion. The walkway should not obstruct passage for small migratory mammals, as these animals will easily be able to pass beneath the 3' high elevated walkway. Larger mammals, such as deer (if present) will be able to leap over the 3' structure. There are no known rare or endangered plants or animals, nor any unique geologic or wetlands features in the project area.

C. Aesthetic Effect

There should be minimal adverse impacts to the aesthetics of the wetlands and estuarine area as a result of the proposed project. The site is part of the applicant's 101-acre property, and is located far from neighbors, therefore the visual impact will be minimal. To the applicant, the proposed walkway will add to the aesthetics of the area by allowing the family to utilize the structure to enjoy the beauty of their surroundings, and to access the waterway for kayaking, a relaxing family activity.

D. Impact of Supporting Facilities

The walkway is for private use by the applicant, his family, and friends. No other supporting facilities (roads, sewage disposal facilities, etc.) will be constructed in association with this project.

E. Effects on Neighboring Land Uses

The walkway should not have adverse effects on neighboring land uses. As stated previously, the site is located far from neighbors, therefore the visual impact will be minimal.

F. Federal, State, Regional, County, and Municipal Comprehensive Plans

The project will be constructed in compliance with all federal, state, county, and local regulations.

G. Economic Impact

The proposed project will provide employment for the contractor, and will contribute to product sales for suppliers of construction material. Once the structure is completed, it will allow the applicant access to navigable waters for kayaking hereby increasing spending on boating supplies, recreational equipment, and other purchases, all of which will benefit the local economy.

References Cited

- Daiber, F. C., L. L. Thornton, K. A. Bolster, T. G. Campbell, O.W. Crichton, G. E. Esposito, D.R. Jones, and J. M. Tyrawski, 1976. An Atlas of Delaware's Wetlands and Estuarine Resources. Tech. Report Number 2, Delaware Coastal Management Program, Delaware State Planning Office, Dover, DE, 528 p.
- Jones, W. L., and W. C. Lehman, 1987. *Phragmites* control and revegetation following aerial applications of Glyphosate in Delaware, in Whitman, W. R., and W. M. Meredith, Eds., *Waterfowl & Wetlands Symposium*, DNREC/DCMP, Dover, DE, p. 184-199.
- Mutz, L. A., 1995. Comparison of a Created Marsh and a Natural Marsh--Edaphic Algal Chlorophyll Quantity and Fish Abundance. M.S. thesis, College of Marine Studies, University of Delaware, Lewes, DE, 150 p.
- Perry, B., 1985. A Sierra Club Naturalist's Guide: The Middle Atlantic Coast, Cape Hatteras to Cape Cod. Sierra Club Books, San Francisco, CA, 470 p.
- Roman, C. T., 1978. Tidal restriction: Its impact on the vegetation of six Connecticut coastal marshes. Master's thesis, Connecticut College, 178 p.
- Stumpf, R. P., 1983. The Process of Sedimentation on the Surface of a Salt Marsh. *Estuarine, Coastal and Shelf Science*, vol. 17, p. 495-508.
- Tiner, R. W., Jr., 1985. Wetlands of Delaware: U.S. Fish and Wildlife Service, National Wetlands Inventory, Newton Corner, MA, and Delaware DNREC, Wetlands Section, Dover, DE, Cooperative Publication, 77 p.
- Winkler, J., 1981. Movement patterns of the meadow vole, *Microtus pennsylvanicus*, in a Delaware salt marsh. M.S. thesis, College of Marine Studies, University of Delaware, Newark, DE, 54 p.
- WSLS Docking Facilities Guidance Doc., 2005. DNREC Wetlands and Subaq. Lands Section, Dover, DE, 8 p.

**PROPOSED 50' LONG x 3' WIDE WETLAND
WALKWAY AND 10' LONG x 4' WIDE PIER
ADJACENT TO: Indian River**
 AT: Bankove Drive
 Millsboro, Sussex Co., DE 19966
 Tax Map Parcel #2-34-32.00-110.00
 APPLICANT: J&Y Parker Family LP, c/o David Parker
 DATE: October 16, 2023

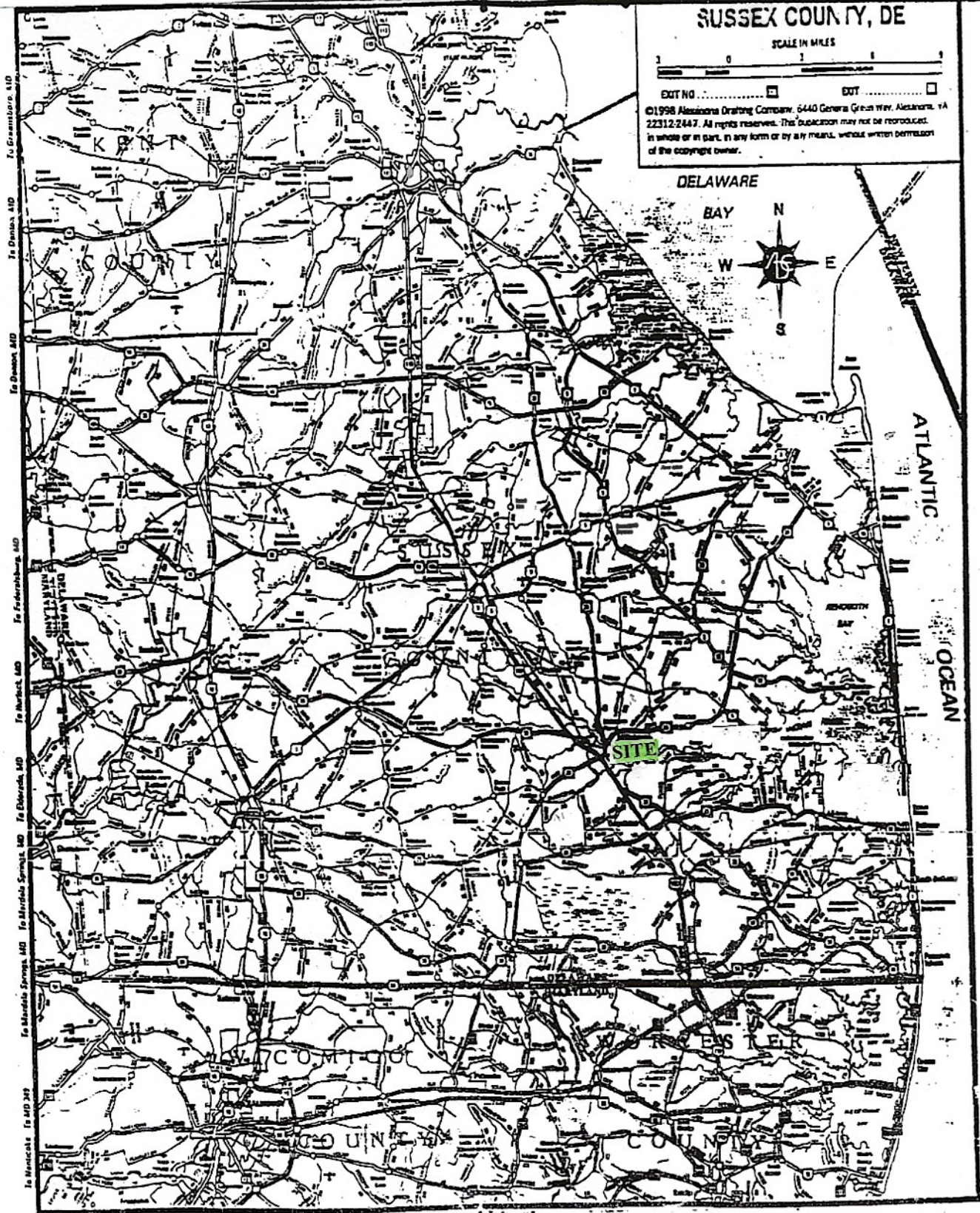


Figure 1. Map of Sussex County, Delaware, showing site location, Millsboro.

**PROPOSED 50' LONG x 3' WIDE WETLAND
WALKWAY AND 10' LONG x 4' WIDE PIER
ADJACENT TO: Indian River**

AT: Bankove Drive

Millsboro, Sussex Co., DE 19966

Tax Map Parcel #2-34-32.00-110.00

APPLICANT: J&Y Parker Family LP, c/o David Parker

DATE: October 16, 2023

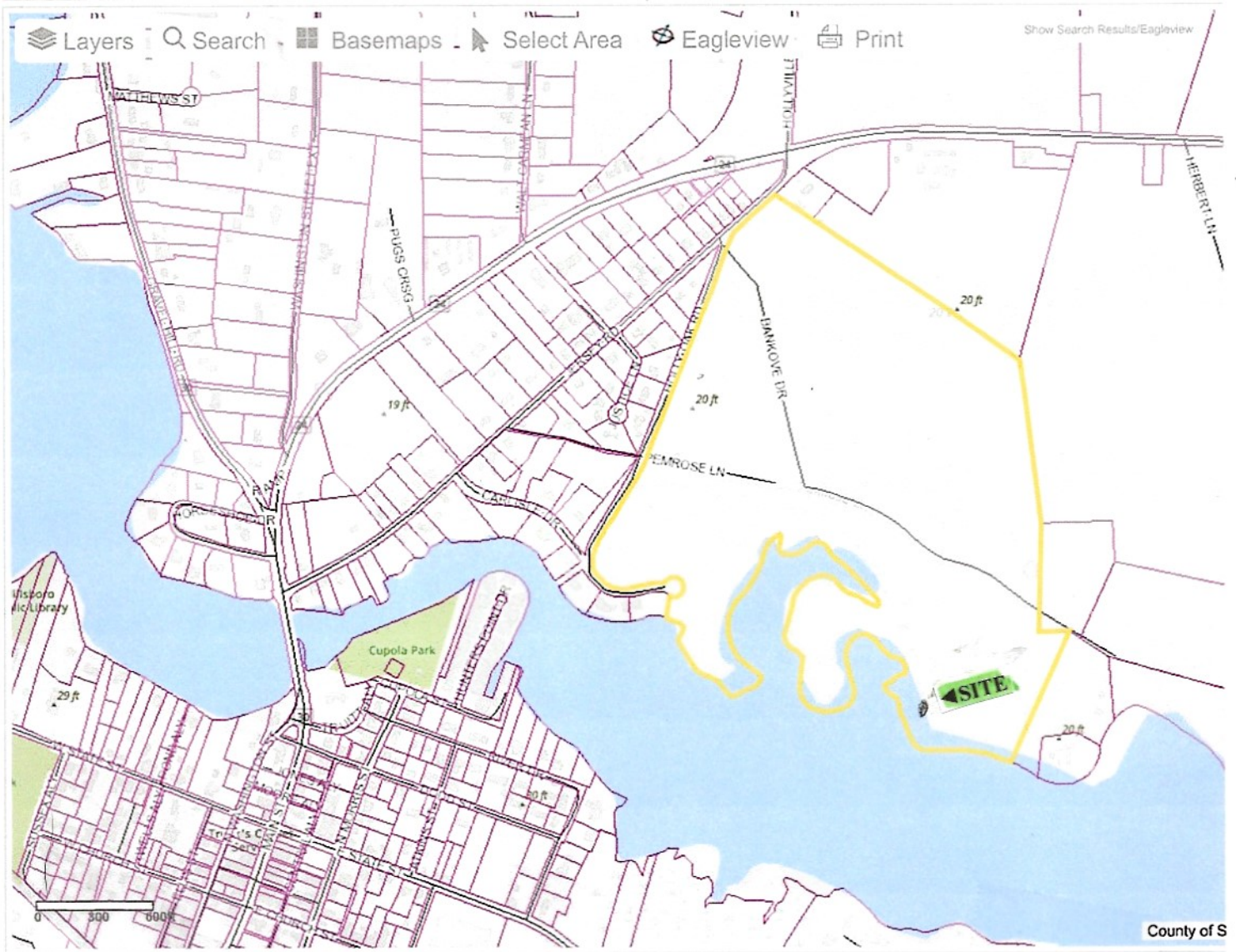


Figure 2. Map of Millsboro area showing site location, Tax Map Parcel#234-32.00-110.00, **Bankove Drive**. Directions to site (from Dover, DE): SR-1 southbound toward beaches; right (at McDonald's) onto Route 24 (John J. Williams Highway) westbound toward Millsboro; left (at traffic light) onto Jersey Road; left onto Bankove Drive (gravel road), turn right at fork by red/white barn and continue to house (no street address assigned). Project site is Indian River shoreline west of house. Also see Sussex County "Eagle Eye" photograph, Figure 5.

**PROPOSED 50' LONG x 3' WIDE WETLAND
WALKWAY AND 10' LONG x 4' WIDE PIER**

ADJACENT TO: Indian River

AT: Bankove Drive

Millsboro, Sussex Co., DE 19966

Tax Map Parcel #2-34-32.00-110.00

APPLICANT: J&Y Parker Family LP, c/o David Parker

DATE: October 16, 2023

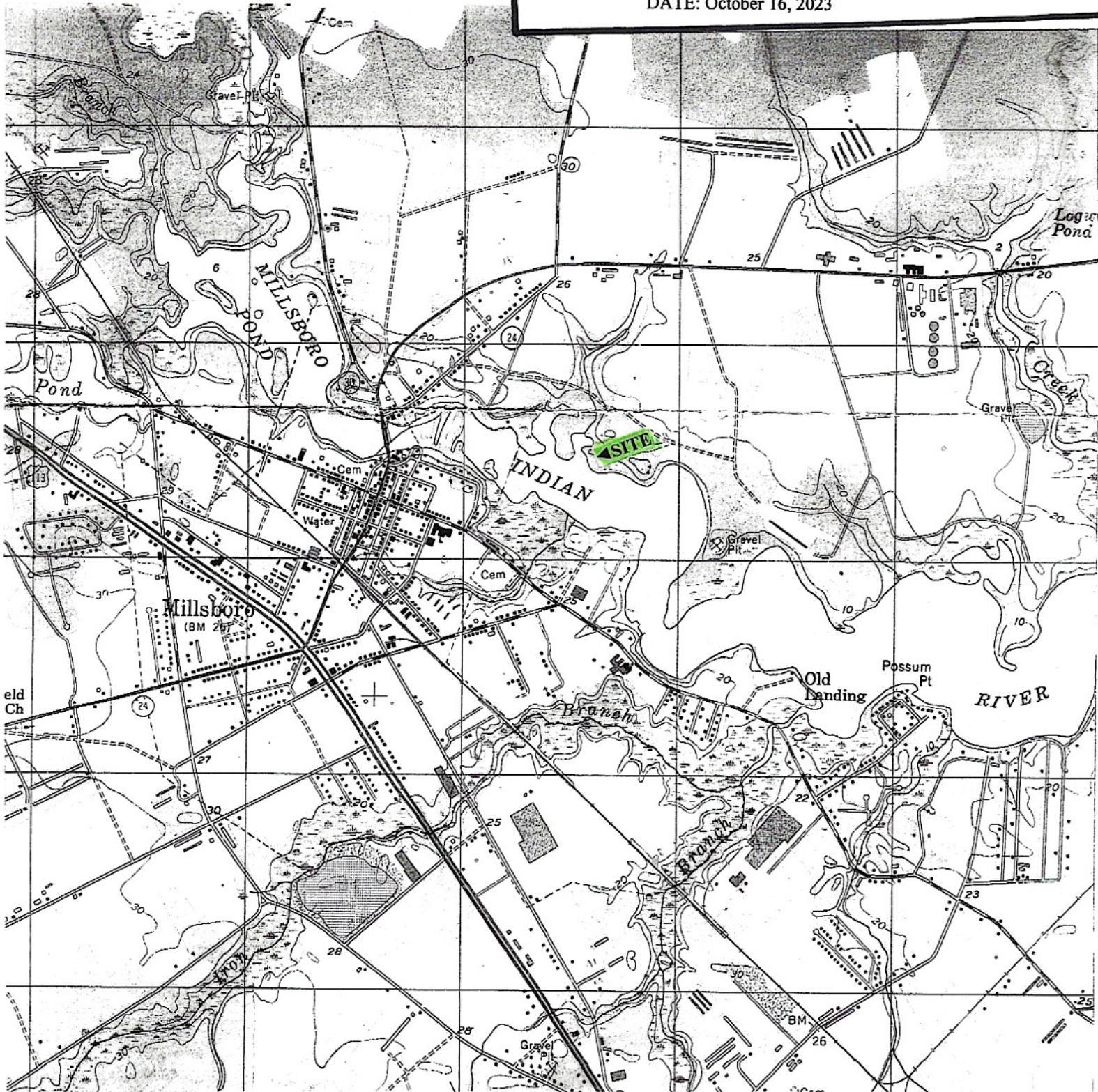


Figure 3.

Site location on USGS topographic map, Frankford, Delaware quadrangle. Site is adjacent to Indian River. Scale: 1" = 2,000'.

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Figure 4. Site location on State of Delaware DNREC Wetland Map #138 (1988 photobase). Site is mapped M (marsh) and T (tidal flat, in some cases vegetated/sand bars).

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Figure 5. Sussex County “Eagle Eye” aerial photograph of site, Bankove Drive, Millsboro, adjacent to Indian River. . Applicant proposes to construct a 50’ long x 3’ wide wetland walkway and a 10’ long x 4’ pier, to launch kayaks. See Figure 7 for plan view and cross-section sketches.

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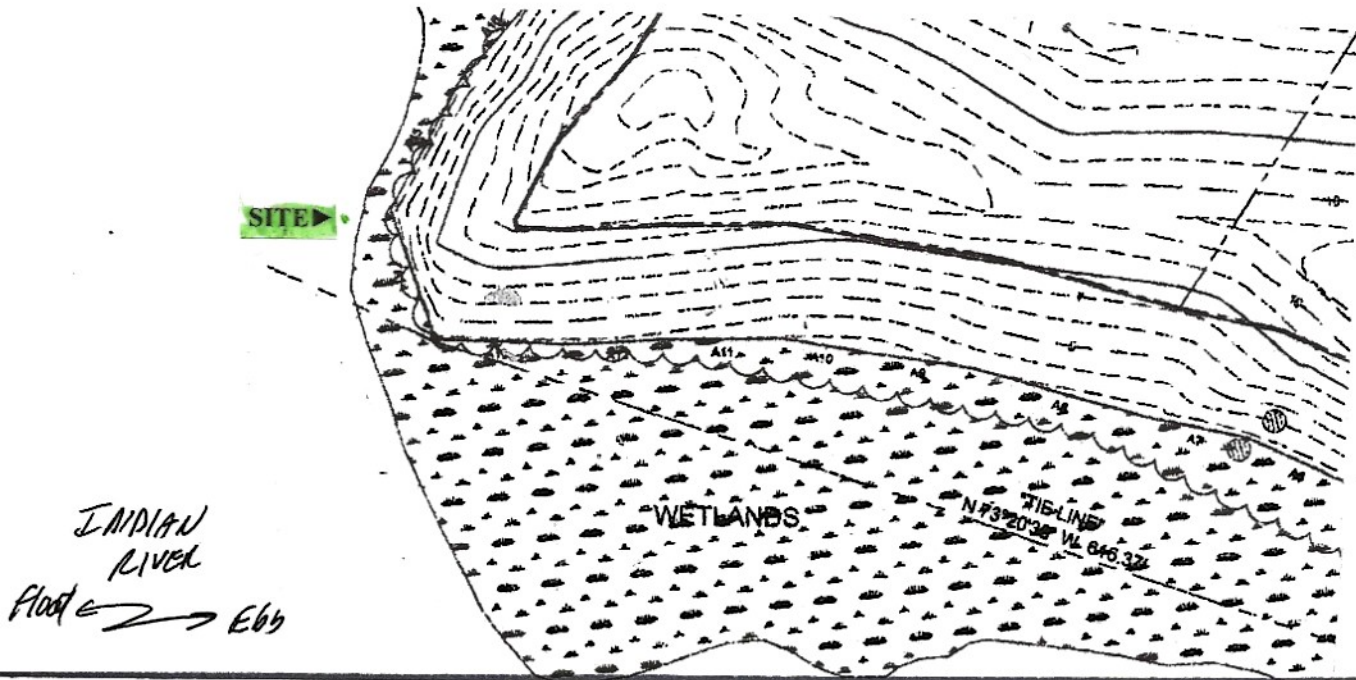
DATE: October 16, 2023



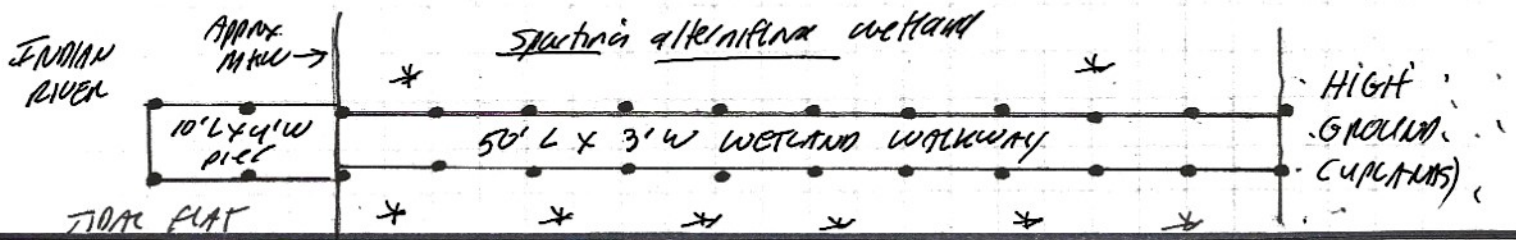
Figure 6. Ground-level photograph of project site, **Bankove Drive**, Millsboro, Sussex County, Delaware, showing DNREC-regulated tidal wetland dominated by smooth cordgrass (*Spartina alterniflora*) adjacent to Indian River. Applicant proposes to construct a 50' long x 3' wide wetland walkway and a 10' long x 4' pier, to launch kayaks See Figure 7 for plan view and cross-section sketches.

PROPOSED 50' LONG x 3' WIDE WETLAND WALKWAY AND 10' LONG x 4' WIDE PIER
 ADJACENT TO: Indian River
 AT: Bankove Drive
 Millsboro, Sussex Co., DE 19966
 Tax Map Parcel #2-34-32.00-110.00
 APPLICANT: J&Y Parker Family LP, c/o David Parker
 DATE: October 16, 2023

(a) VICINITY MAP



(b) PLAN VIEW (1" = 10' ±)



(c) CROSS-SECTION (1" = 10' ±)

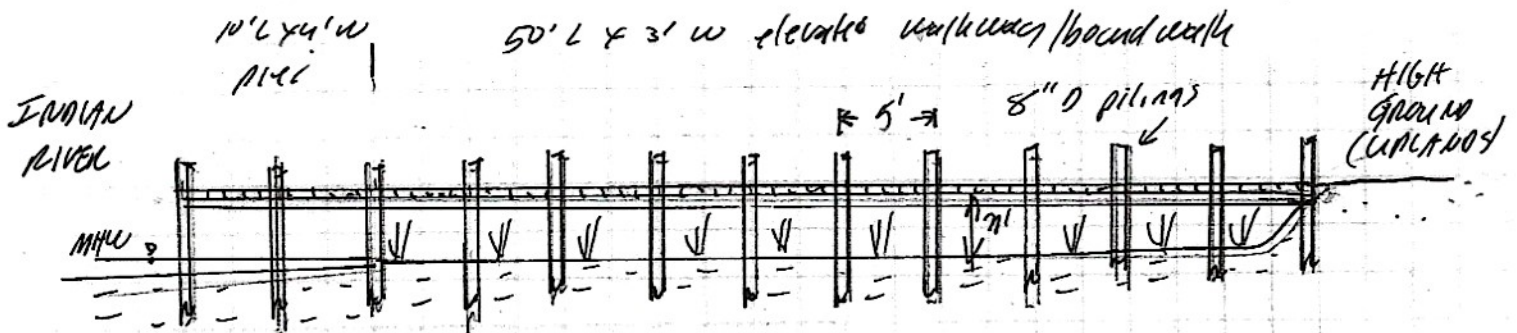


Figure 7. Plan view and cross-section sketches of proposed project. Sketches for permit application purposes only.