Paddle Craft Dock

NOVEMBER 15, 2024

Photo Courtesy of Custom Float Services

GORRILL PALMER
An LJB Engineering Company

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300 Southborough Drive, Suite 200, South Portland, ME 04106
(207) 772-2515 | GorrillPalmer.com

November 15, 2024

Dylan Smith, Planning Director
Town of York
York Town Hall, Town Planning Department
186 York Street
York, ME 03909

Re: Paddle Craft Dock

Dear Dylan,

We are excited about the opportunity to submit this proposal to assist the Town of York with engineering services relating to the Paddle Craft Dock project. In selecting a firm for this assignment, it is important that you select a firm that brings experience with this type of work, has established relationships at all levels, has knowledge of the local area, and brings leadership to ensure the project is successful. We believe that Gorrill Palmer is the best qualified firm for this assignment. The following pages will summarize our qualifications, experience, and our approach and will highlight our references.

FIRM OVERVIEW, HISTORY, AND SIZE – Gorrill Palmer, an LJB Engineering Company, is an integrated transportation, municipal and land development engineering firm that has been providing quality professional service to clients throughout New England since 1998 and the Mid-Atlantic area since 2013. Since our founding, Gorrill Palmer has been consistently recognized for our expertise, experience, and responsiveness, resulting in outstanding value for our clients.

At Gorrill Palmer, we have created a work environment built upon integrity, skill, and service. Our team includes individuals with expertise in transportation planning and engineering, municipal engineering, land development, environmental permitting, and construction observation. With staff/offices in Maine and Virginia, Gorrill Palmer's committed staff is well respected for our attention to detail and ability to consistently deliver high quality, innovative and cost-effective designs to our clients.

In April 2024, **Gorrill Palmer was acquired by LJB Inc.** to provide our clients with greater resources and staff depth. Founded in 1966, LJB is a national engineering firm who delivers civil, structural, safety and geospatial services to improve quality of life and continually enhance client experiences. The combined firm has around 400 employees and offers significant opportunities to our staff and additional service offerings to our clients. Gorrill Palmer was selected by the Town of York in 2017 to provide a variety of on call engineering services. Since that time, we have worked closely with the Planning Department to provide engineering peer review services for subdivision and site plan projects that are submitted for Planning Board review.

AREAS OF EXPERTISE – LJB serves a variety of clients in six primary markets: federal, state and local government, commercial, education, health care, and industrial/manufacturing. LJB's diverse staff hold professional engineering licenses in all 50 states, as well as several U.S. territories and Canadian provinces.

PRIMARY CONTACT – Ryan Barnes, will be the primary point of contact for the Town throughout the duration of the contract. Ryan can be contacted at (207) 671-8426 or rbarnes@gorrillpalmer.com.

SUBCONSULTANTS – Tim Forrester, Director of Coastal Resources with Flycatcher, LLC will lead the natural resource delineations and permitting for the project. Tim can be reached at (207)837-2199 or tim@flycatcherllc.com. Custom Float Services will assist Flycatcher with design and access requirements associated with the paddle dock.

Michael Coulombe, Vice President with Dow & Coulombe, Inc. will lead the survey for the project. Michael can be reached at (207)284-4521 or info@dowcoulombe.com.

CONFLICT OF INTEREST – Gorrill Palmer confirms that no individual acting for or employed by the Town is directly/indirectly related to Gorrill Palmer or any agreement that may be entered that Gorrill Palmer relates or in any portion profits from.

In closing, Gorrill Palmer takes pride in adhering to its "3R" core values of **Relationships, Responsiveness and Results**. The success of any project can be based on our firm's ability to effectively communicate with our clients and the public. Responsiveness can be defined as meeting a project deadline or having a principal of our firm actively involved in every project. Results can be defined as delivering a quality product and/or listening to our client's needs and delivering a product that meets those needs. It is these core values that Gorrill Palmer will bring to this important assignment to ensure project success.

Through hands on experience, Gorrill Palmer understands this project and is excited for the opportunity to provide you with the technical expertise and value that we can bring on this assignment. Should you have any questions regarding this submittal, please do not hesitate to contact us. We hereby certify that all information contained in this proposal is true and accurate. Our contact information is provided herein.

Respectfully submitted,

Gorrill Palmer, an LJB Engineering Company

William C. Haskell, PE
Municipal Operations Lead, New England
(207) 772-2515
whaskell@gorrillpalmer.com

Ryan Barnes, PE, CPESC
Project Manager
(207) 772-2515
rbarnes@gorrillpalmer.com

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Photo Courtesy of Custom Float Services

Project Description and Scope of Services

Project Description

This RFP requests a consultant to work with the York River Access Ad Hoc Committee and the Yark Harbor Board to evaluate siting options and design recommendations for a public access, non-motorized paddle craft dock at Goodrich Park. We understand that this project is located within a federally designated Wild and Scenic River. The design will incorporate accessibility, resiliency, and sustainability features that will be appropriate for State and Federal permitting requirements.

Scope of Services

Our Team is well acquainted with the unique design and permitting requirements associated with paddle craft docks in coastal Maine. The following summarizes our scope and technical approach to this project:

1. Kickoff Meeting with Town and Committees- The project team will attend a kickoff meeting with the Town and committees and review the options for full tidal and partial tidal access to Goodrich Park.
2. Conceptual Layout and Siting- Conceptual design will be completed based on existing lidar data and desktop review of resources.
    a. Conceptual Design - Gorrill Palmer will complete a site visit to review the site and possible layout options, this review will include preliminary GPS survey to determine if accessibility issues are apparent at possible sites. The design will incorporate recommendations relating to permitting and access from Flycatcher and Custom Float Services. We propose to prepare two conceptual designs for consideration.
    b. Natural Resource Delineation – Flycatcher will complete desktop review and provide guidance relating to permitting requirements at the proposed sites.
    c. Concept Plan Review- The Team will provide recommendations for the preferred siting of the paddle craft dock based on accessibility, percentage of tidal access, and permitting requirements. These options will be reviewed with the committee and the preferred site will be advanced to design and permitting.
3. Survey- Following selection of the preferred site, survey will begin.
    a. Survey - Dow & Coulombe will complete an existing conditions survey and topographic survey of the selected location for use in design and permitting.
    b. Natural Resource Delineation – Flycatcher will complete natural resource delineation at the preferred site.
4. Preliminary Design- Preliminary design will begin following the completion of the survey and delineation work.
    a. Preliminary Design - Gorrill Palmer will complete a preliminary design of the preferred site. The design will incorporate recommendations relating to permitting and access from Flycatcher and Custom Float Services. The design will include path designs from the existing parking lot to the preferred site following ADA requirements. This design will incorporate resilient and sustainable design methods appropriate for required permitting with State and Federal agencies.
    b. Review Meeting with Town and Committees – Gorrill Palmer will review the preliminary design of the preferred site with the Town and Committees and incorporate comments into the plans.
    c. Town Council Meeting – Gorrill Palmer will attend a Town Council Meeting or Workshop regarding the proposed design, the presentation will include preliminary opinion of probable construction cost, and the required permitting. Once approved by the Council the project will move into permitting.
5. Permitting- Following approval by the Council:
    a. Gorrill Palmer will complete permit level plans based on feedback received during the Town/Committee Meeting and the Town Council Meeting.
    b. Flycatcher will complete the permit applications for the State and Federal Permits.
6. Permit Submission – Permits will be submitted to State and Federal Agencies

Statement of Qualifications

LJB serves a variety of clients in six primary markets: federal, state and local government, commercial, education, health care, and industrial/manufacturing. LJB's diverse staff hold professional engineering licenses in all 50 states, as well as several U.S. territories and Canadian provinces.

Gorrill Palmer will be partnering with Tim Forrester the Director Coastal Resources for resource delineation and permitting. Custom Float Services will assist Flycatcher with design and access requirements associated with the paddle dock. Dow & Coulombe will complete the existing conditions and topographic survey for the project.

Project Manager and Key Personnel

Gorrill Palmer will be the lead consultant and designer, providing civil engineering review and analysis. A summary of the Gorrill Palmer key engineering staff that will be assigned to the design and implementation of this project include:

- *William Haskell, PE, CPESC* will be assigned as the Municipal Operations Group Leader for Civil Site Engineering. As the Municipal Operations Group Leader, Will provides technical assistance and quality control (QC) review for the project. He has over 30 years of experience in general civil and municipal engineering, including land development and permitting, sewer and storm drain design, large culvert design and permitting, and water resource planning and management.

- *Ryan Barnes, PE, CPESC* will be assigned as the Project Manager, supporting Will. Ryan has served as project manager and designer on a wide variety of municipal projects and studies throughout Maine and has served as the Town Engineer and Project Engineer for the municipalities of Brunswick and Lewiston. He has over 20 years of experience in general civil and municipal engineering, including land development and permitting, sewer, water, and storm drain design, large culvert design and permitting.

- *Flycatcher* – Tim Forrester – Director of Coastal Resources at Flycatcher will lead the resource delineation and permitting for the project.

- *Custom Floats Services-* Custom Float Services has been designing, building and supplying components for float & dock systems throughout the US Northeast Region and Atlantic Maritime Canada for over 25 years. They provide experience and knowledge to solve water-related access projects.

- *Dow & Coulombe, Inc* - Michael Coulombe, Vice President with Dow & Coulombe, Inc. will provide the survey for the project. Dow & Coulombe, Inc. continues to provide the same high quality land surveying services that have distinguished this company since 1864.

Will Haskell, P.E., CPESC, CESSWI, LEED AP BD+C

PROFESSIONAL ENGINEER/MUNICIPAL OPERATIONS LEADER, NEW ENGLAND

Years Experience:
30

Education
M.S.
Colorado State University
Civil/Water Resources Planning & Management
1994

B.S.
University of New Hampshire
Civil/Environmental Engineering
1990

Registration
Professional Engineer – ME, NH, MA, VT, CA

CPESC

CESSWI

LEED AP Building, Design & Construction

Specialized Training
Water Surface Profiling & Floodplain Analysis Seminar for HEC-RAS

Membership
American Society of Civil Engineers (ASCE)

Maine ASCE – Board of Direction

Town of Raymond Planning Board (former member)

South Portland/Cape Elizabeth Chamber Board

Will is the Municipal Operations Leader for New England at Gorrill Palmer and leads the firm's Municipal Group. He has over 30 years of experience in general civil and municipal engineering, including land development and permitting, sewer and storm drain design, erosion control design, combined sewer overflow and sewer separation, large culvert design and permitting, municipal road design, pedestrian improvements, pavement management, water resources planning and management, and construction inspection. He maintains professional engineering licenses in Maine and four other states and maintains the CPESC, CESSWI, and LEED AP BD&C credentials. Will provides project management support, quality control review, and design and permitting guidance to his staff.

Relevant Experience

Simard Payne Park Carry-In Boat Launch – Lewiston, ME
Client: City of Lewiston | Role: Project Manager

Will served as the project manager and principal in charge for the design and permitting of a carry-in boat launch at Simard Payne Park on the Androscoggin River for the City of Lewiston. This project included modifications to the existing park trails, design of a safe pathway down to the river, negotiating a steep embankment, invasive species management, and Maine DEP Natural Resources Protection Act permitting. The primary use of the boat launch was for the local rowing club, however, it is also available to any carry-in user. US Army Corps of Engineers permitting was not required because all permanent improvements were completed above the normal high water line of the river.

Mackerel Cove Boat Launch – Harpswell, ME
Client: Town of Harpswell | Role: Project Manager

Will served as the project manager and principal in charge for the design and permitting of a town boat launch on Mackerel Cove located on Abner Point Road. The prior ramp at this location had deteriorated and become unusable. Gorrill Palmer designed a new concrete plank ramp. Due to tidal conditions, the ramp is only usable during mid to high tide levels. The ramp was permitted through Maine DEP and US Army Corps of Engineers.

Bethel Point Road Tidal Culvert – Harpswell, ME
Client: Town of Harpswell | Role: Design & Permitting Assistance

Bethel Point Road provides access for the residents and businesses of Bethel Point, which is located to the west of Cundy's Harbor. The project replaced an existing 14-foot 2-inch span by 8-foot 4-inch rise corrugated metal culvert that became submerged at high tide. Bethel Point Road is a dead-end road and the sole access to the peninsula. Several alternatives (including sliplining) were evaluated, but the final selected design included a concrete box culvert with a 12-foot span and 10-foot rise. The box was embedded 2 feet below the natural

channel invert to improve fish passage. Provided design assistance and construction observation. The contractor installed a temporary bypass bridge to maintain access beyond the culvert during construction.

Basin Point Road Tidal Culvert – Harpswell, ME
Client: Town of Harpswell | Role: Project Manager

Managed the feasibility study to replace the existing 18-inch diameter culvert with a 14-foot span by 10-foot rise box culvert and raise approximately 680 feet of Basin Point Road approximately 3.5 feet to mitigate flooding that may be caused by future sea level rise. Basin Point Road provides access to approximately 115 households as well as access to the Dolphin Marina and Restaurant, which employs over 90 people and serves over 85,000 people annually. Without the suggested improvements, access to these businesses and residences could regularly be cut off due to rising sea levels and during storm events. GP worked closely with the Town of Harpswell, Harpswell Conservation Commission, and The Casco Bay Estuary Partnership.

College Street Culvert – Lewiston, ME
Client: City of Lewiston | Role: Design & Permitting Assistance, QC

Will was the principal in charge and provided quality control review for the design of this urban culvert with the goal of increasing the culvert capacity. The existing 7-foot span by 5.5-foot rise double box culvert was replaced by an 18-foot span by 5.5-foot rise single concrete box. The existing Jepson Brook channel on either end of the culvert is concrete lined; therefore, the new culvert was not depressed to create a natural stream channel. A U.S. Army Corps of Engineers (USACE) Category 2 General Permit was obtained for this project.

Central Avenue Culvert – Lewiston, ME
Client: City of Lewiston | Role: QC and Technical Advisor

Will was the principal in charge and provided quality control review and technical guidance for the design and modeling of the replacement culvert across Central Avenue. The existing culvert was a 500-foot-long, cast-in-place double box culvert, with each box being 7-feet-wide by 5.25-feet-high. Gorrill Palmer reviewed several alternatives, including replacing the existing boxes with a single 18-foot span by 5.25-foot rise and leaving the existing boxes and adding a third 7-foot span by 5.25-foot rise box alongside the existing culverts. Challenges included leaving the existing boxes and adding a third include proximity to an existing residence and conflicts with other utilities. Project required a USACE Category 2 General Permit.

New Gorham and Longfellow Road Culverts – Westbrook, ME
Client: City of Westbrook | Role: Project Manager

These two culverts were included in a larger sewer separation and drainage improvement project for the City of Westbrook. Will managed the design and permitting for the two culvert replacements. The New Gorham Road culvert was a 3-foot diameter culvert that was replaced by a 6-foot span by 4-foot rise precast concrete box. The Longfellow Road culverts were twin 3-foot diameter culverts that were replaced by a 7-foot span by 5-foot rise precast concrete box culvert. Gorrill Palmer found during the design that increasing the size of the New Gorham Road culvert would result in increased flooding at the downstream Longfellow Road culvert; therefore, the Longfellow Road culvert had to be upgraded as well. Challenges included existing water and sewer utility conflicts and depth of cover over the new culvert. USACE Category 2 permits were required for both culverts.

Ryan Barnes, P.E., CPESC

PROFESSIONAL ENGINEER/PROJECT MANAGER

Years Experience:
23

Education
B.S.
University of Maine, Orono
Civil Engineering
2001

Registration
Professional Engineer – ME

Certified Professional in Erosion and Sediment Control

Membership
MaineDEP Chapter 500 Updates Stakeholder Engagement

Member of Technical Committee and Definitions, Groundwater Recharge, and Stressor-guided SCMs Subcommittees

Maine Better Transportation Association – Transportation Conference Planning Committee

American Public Works Association Maine Chapter – Secretary and Board of Directors

State Transportation Innovation Council – Innovation Committee Chair

Ryan is a civil engineer, project manager, and construction project manager with more than 20 years of experience. He has managed and provided design for roadway, sidewalk, bridge, highway, utility (water, sewer, storm drain), and building projects, including Locally Administered Projects (LPA). His experience includes geometric, intersection, roundabout, drainage, and utility design as well as permitting, cost estimating, construction oversight and reporting, technical review, coordination, and quality assurance monitoring. Ryan has previously served as the Town Engineer for the Town of Brunswick, ME, and as a project manager for the Maine Turnpike Authority.

Relevant Experience

Simpson Brook Culvert Replacement – Town of Brunswick
Client: Town of Brunswick | Role: Town Engineer
Oversaw design and construction of the replacement of the Simpson Brook Culvert at Hacker Road. The project included replacing the failing 60" corrugated metal pipe with a 12' span 6' rise concrete pipe arch. The stream crossing was funded through the MaineDEP Stream Crossing Grant Program.

Mare Brook Watershed Management Plan – Town of Brunswick
Client: Town of Brunswick | Role: Town Engineer
The plan was developed under the direction of the Town Engineer and Town Planner and is currently being implemented. Funding for this project, in part, was provided by the U.S. Environmental Protection Agency under Section 604B of the Clean Water Act. The funding is administered by the Maine Department of Environmental Protection in partnership with EPA.

Living Shoreline Demonstration Projects – Town of Brunswick
Client: Town of Brunswick | Role: Town Engineer
The Town of Brunswick worked closely with partners at the Maine Coastal Program, Maine Geological Survey, Maine Department of Transportation, Casco Bay Estuary Partnership, the Nature Conservancy, Maine Coast Heritage Trush, and Brunswick-Topsham Land Trust to design and install two demonstration living shoreline projects. The demonstration projects were implemented to explore employing living shoreline techniques in coastal bluff environments, to help curtail erosion while maintaining the natural continuity of the land-water interface.

Cook's Corner Connector Road – Brunswick, ME
Client: Town of Brunswick | Role: Town Engineer
Oversaw the construction of a new access road for Brunswick Landing. Like many projects occurring on former naval air stations, the construction included addressing potentially contaminated soils and unknown existing conditions. The project required several field modifications due to unforeseen conditions found in the field. Despite this, the project was completed on time and on budget.

Graham Road Landfill Closure – Brunswick ME
Client: Town of Brunswick | Role: Town Engineer

The Town of Brunswick, under an Administrative Consent Agreement with MaineDEP, entered a Schedule of Compliance to close the Graham Road Landfill in June 2017. The design and permitting of the closure began in November 2018 and was completed on schedule in September 2020. Construction began in April 2021 and, despite historic rainfall during the summer, the project was completed on time and on budget. Through diligent record keeping and close coordination with the MaineDEP the $7.4 million project has been deemed eligible for a 75% reimbursement from the State of Maine.

Jepson Brook Watershed CSO Separation – Lewiston, ME
Client: Project Engineer | Role: Project Engineer

Designed and oversaw construction of approximately $5 million of CSO separation in the Jepson Brook Watershed. The projects included preliminary budgeting, design, bidding, and construction.

Ray Street, Portland, ME
Client: City of Lewiston | Role: Full-time Construction Representative

Served as the full-time construction representative, observing the progress and quality of construction for the approximately $2 million CSO project. The project entailed installation of 4,300 feet of sewer main and 5,600 feet of storm drainpipe including 1,400 feet of 42-inch storm drain at depths more than 18 feet. Duties included daily observations; preparation of daily, weekly, and monthly reports; verification of contractor payment requests; and coordination with city representatives for field changes during construction. The project was completed through the MaineDEP State Revolving Funds.

Gray Water District Projects – Gray, ME
Client: Gray Water District | Role: District Representative

Performed construction administration services, which included daily monitoring of the contractors' work, maintaining quantities daily, recording changes to the plans, addressing construction issues in the field with the contractor, and coordinating with the Gray Water District. Acted as representative for the Gray Water District on the following projects:

- Route 100 North – Installation of 1,000 feet of 16-inch water main that replaced the existing 6-inch water main.
- Route 202 – Installation of 2,300 feet of 16-inch water main renewal including the installation of a 24-inch casing that was installed under the Maine Turnpike using trenchless technology for a length of 220 feet.
- Route 100 South – Installation of 2.4 miles water main extension including the installation of 1,150-foot section of 16-inch polyethylene water main installed under the Gray Meadows using trenchless technology.

Tim Forrester

Director of Coastal Resources

EDUCATION

- B.S., Environmental Analysis and Planning & Biology. Frostburg State University (1999).
- Federal Reg. IV Wetland Identification, Delineation & Classification, Humboldt Field Research Institute, Steuben, Maine (2005).

YEARS WITH FIRM: 2

PROFESSIONAL CERTIFICATIONS

- Professional Wetland Scientist #1933 (PWS)
- Certified Professional in Erosion & Sediment Control #1539
- Maine Association of Wetland Scientists, Executive Committee Member and Treasurer (2010-2016).
- Certified SCUBA Diver, 2001

PROFILE

- Over 25 years of experience as an environmental consultant assisting industry and individuals in navigating the regulatory arena of Federal, State and Local government agencies on a wide array of natural resource projects across the State of Maine and Northern New England.
- Efficient leader in all facets of project management from initial planning and design, data collection, drafting, permitting, and construction.
- Provides consultation and management for a variety of project types such as: natural resource inventories, bathymetry mapping, project design and permitting, coastal resiliency, shoreline restoration and stabilization utilizing grey and green methods, dock design and permitting, and expert witness services. Project types include commercial, municipal and residential developments, ski areas, marine industries, utility companies, solar companies, engineering firms, surveyors, construction companies and non-profit organizations.
- Specializing in permitting projects involving the U.S. Army Corps of Engineers, Maine Department of Environmental Protection, Land Use Planning Commission, Federal and State Resource Agencies, and Cities and Towns across the State of Maine.

PREVIOUS CAREER EXPERIENCE

- *Atlantic Environmental LLC*: Owner; Woolwich, Maine (2017-2023)
- *Eco-Analysts, Inc*: Senior Project Manager, Biologist; Bath, Maine (1999-2017)
- *Northern Ecological*: Compliance Monitor; Portland, Maine (1998)
- *Frostburg State University*: Supervisor, Science Tutoring Program; Frostburg, Maryland (1996-99)

Richard Jordan

President and Founder

EDUCATION: B.A., Environmental Science and Policy, University of Southern Maine (1999)

YEARS WITH FIRM: 5

PROFESSIONAL CERTIFICATIONS/AFFILIATIONS AND TRAININGS

- Professional Wetland Scientist (#1517)
- MDEP Certified Contractor in Erosion/Sediment Control Practices (#1291)
- Former Vice-Chair, Town of Falmouth (ME) Planning Board (2020 - 2021)
- Program Committee Chair - Maine Association of Wetland Scientists (2021 - 2023)

PROFILE

- Over 20 years of siting/permitting experience helping municipalities, utilities, developers, and regulatory agencies identify, minimize, avoid, and solve known and unforeseen challenges throughout the development and permitting process.
- Provides expert consultation and management services on a variety of development projects: renewable and traditional energy generation and transmission projects; transportation, commercial and residential developments; and conservation property assessments.
- Supports wetland creation, restoration, and conservation projects through a team approach to complex problems and implementation of the best science and experiences available.
- Experienced in landowner outreach, stakeholder engagement, project development, and permitting at the local, state, and federal levels.
- Professional Wetland Scientist and experienced erosion and sedimentation control planner, helping projects maintain permit compliance and minimize impacts.

PREVIOUS CAREER EXPERIENCE

- TRC: Client Service Lead & Project Manager; Scarborough, Maine (2014 - 2019)
- Tetra Tech: Senior Scientist; Portland, Maine (2013 - 2014)
- Boyle Associates: Manager of Field Operations; Westbrook, Maine (2000 - 2013)

Rich Jordan; rich@flycatcherllc.com

RECENT/RELEVANT PROJECT EXPERIENCE

Thorton Tomassetti & The City of Saco | Saco Island Multimodal Bridge Concept Plan (Project Scientist)
Flycatcher was the environmental review lead for a team of designers, architects and engineers reviewing feasibility and design alternatives for a potential multimodal bridge over the Saco River between the Cities of Saco and Biddeford.

HNTB/Maine Turnpike Authority – Gorham Connector | South Portland (2021-Present)
Rich is working with Flycatcher's Senior Scientist to prepare natural resource mapping and functional assessments, support avoidance and minimization during the alternatives analysis, and design and permit a strategic and multi-faceted compensatory mitigation package to offset unavoidable impacts to protected natural resources. This work has included comprehensive field surveys of multiple alternatives, outreach to dozens of conservation organizations and stakeholders to determine potential mitigation alternatives, and discussions and presentations with state and federal regulators, and support for design and negotiation of an appropriate natural resource mitigation plan during the permitting phase of the Project.

Crossroad Holdings, LLC | Scarborough, Maine (2017- Present)
Rich is leading efforts for Environmental Mapping, Alternatives Analyses, and State and Federal Environmental Permitting for the >500-acre Scarborough Downs Redevelopment Project. This includes the Natural Resources Protection Act, and multiple-phases of a Site Location of Development Act (under a Long Term Construction Project term) and Clean Water Act (Army Corps) permitting. Rich leads environmental field studies including wetland and stream determinations, vernal pool surveys, rare plant surveys, and wildlife surveys to inform avoidance and mitigation, and supports negotiation with regulators during permitting review and design for compensatory mitigation.

Utility-Scale Solar Energy Projects | Multiple locations, Maine (2018-Present)
Rich has originated (sited) several distributed and utility-scale solar projects throughout Maine. Rich is currently supporting several solar energy generation projects in the Northeast, representing over 200 megawatts of clean solar energy. Along with the team at Flycatcher, Rich has supported permitting and due diligence services for several hundred megawatts of proposed and constructed solar projects throughout the state, including performing project siting; environmental fieldwork; strategic permitting support and execution at the local, state and federal levels; permit compliance inspection services during construction; and coordination of clearing, civil, landscaping, and erosion/sedimentation control professionals during project construction.

R.J. Grondin & Sons – Larrabee Farms Wetland Project | Scarborough, Maine (2005-Present)
Rich performed environmental review and analysis for design, permitting and construction/conservation of approximately 20-acres of wetland creation, four created vernal pools, and over 150 acres of preserved buffer habitats for a multi-user, pooled mitigation site. Included local (contract zoning and site plan review), state and federal permitting, construction oversight and post-construction monitoring. Rich continues to support this project through leadership of long-term monitoring and preparation and support of current and future compensation projects.

Rich Jordan; rich@flycatcherllc.com

Sanford Airport & Farmington Solar | Maine (2015-2021)

Rich was the environmental team manager for fieldwork and permitting of these two projects, which cover over 600 acres and provide nearly 130 megawatts of clean solar energy. Permitting support included managing the permit team who negotiated Natural Resource Protection Act and Site Location of Development Act permits, as well as local permitting. Permitting for these (at the time) novel projects required significant and prolonged coordination with multiple state agencies, including the Maine Department of Inland Fisheries and Wildlife and the Maine Natural Areas Program. Rich also served as the lead biologist overseeing wildlife management and monitoring and supported environmental compliance inspections during construction of both facilities.

Town of Falmouth | Falmouth, Maine (2018-Present)

Rich managed Wetland Mitigation Design and Permitting for the Town of Falmouth's ongoing Suckfish Brook II Wetland Restoration Project. Rich supported the town with its successful application for a competitive grant from the Maine Natural Resource Conservation Program to help fund the project. The project includes wetland creation and conservation and seeks to ensure long-term viability and ecological of the natural resources.

Maine Department of Transportation (MaineDOT) | Statewide (Wetland/Waterbody Surveys & Biological Assessments (2014-2018)

For his previous employer, Rich was Project Manager and Lead Wetland Scientist on MaineDOT natural resource assessments for existing and proposed road and multi-modal transportation projects. These assessments include wetland, stream, and vernal pool determinations pursuant to Maine DEP and USACE regulatory requirements and definitions. Rich also led a wildlife team in devising BAs for projects with potential effects on Endangered Species Act-listed species (e.g., Atlantic salmon and northern long eared bats).

Central Maine Regional Airport | Site Location of Development Act Recertification of Inspection and Maintenance (2024)

Currently supporting the Central Maine Regional Airport in the identification and repair of erosion problems, stormwater control systems, and maintenance of existing stormwater systems. Competed a site inspection to assess whether the stormwater control system as outlined on the Stormwater Management Plan are being maintained and functioning properly in accordance with the MDEP five-year recertification requirements.

Rich Jordan; rich@flycatcherllc.com

Rodney Kelshaw

Managing Partner & Senior Scientist

EDUCATION

- Bachelor of Science, Wildlife Management, University of Maine at Orono (1997)
- Federal Reg. IV Wetland Identification, Delineation & Classification, Humboldt, Steuben, Maine (2000)

YEARS WITH FIRM: 3

PROFESSIONAL CERTIFICATIONS

- Certified Wildlife Biologist #102308 (CWB), The Wildlife Society (2027)
- Certified Professional Soil Scientist #353740 (CPSS), Soil Science Society of America (2025)
- Professional Wetland Scientist #1518 (PWS), Society of Wetland Scientists (2025)
- Certified Professional in Erosion & Sediment Control #4625 (CPESC), EnviroCert International, Inc. (2025)
- Certified Erosion, Sediment and StormWater Inspector #12451 (2025)
- Licensed Soil Scientist #SS552 (CSS), State of Maine (annual expiration: 2025)
- Licensed Site Evaluator #S371 (LSE), State of Maine (biannual expiration: 2025)
- Maine Certification in Erosion Control Practices (1432), State of Maine (2026)
- Maine Department of Environmental Protection Qualified Third-Party Inspector
- Former President (Maine Chapter) and Member, The Wildlife Society, Maine
- President and Member, Maine Association of Professional Soil Scientists

PROFILE

- Over 25 years of experience in the environmental field, working in both the public and private sectors.
- Worked on an array of project types across the country, with a focus in the northeast.
- Experienced in project development, and permitting at the local, state and federal levels.
- Wetland, waterbody, vernal pool mapping and assessment.
- Wildlife surveys and habitat assessments.
- Wetland and wildlife habitat creation and restoration.
- Soil mapping and assessment.
- Construction inspection focused on erosion & sedimentation control planning and permit compliance.
- Invasive species identification, mapping and management.

PREVIOUS CAREER EXPERIENCE

- *University of Maine at Orono:* Adjunct Professor – Fall 2023 WLE 432: Wetland Ecology and Conservation
- *Stantec Consulting Services*: Project Scientist/Project Manager; Topsham, Maine (2013 - 2020)
- *Boyle Associates*: Project Scientist; Westbrook, Maine (2007 - 2013)
- *Moyse Environmental Services ;* Project Scientist; Bangor, Maine (1998 & 2000 - 2007)
- *State of New Jersey Division of Fish and Wildlife:* Fisheries Field Technician Lebanon, New Jersey (1999)

Rodney Kelshaw; rodney@flycatcherllc.com

RECENT/RELEVANT PROJECT EXPERIENCE

Thorton Tomassetti & The City of Saco | Saco Island Multimodal Bridge Concept Plan (Project Scientist)
Flycatcher was the environmental review lead for a team of designers, architects and engineers reviewing feasibility and design alternatives for a potential multimodal bridge over the Saco River between the Cities of Saco and Biddeford.

HNTB/Maine Turnpike Authority – Gorham Connector | South Portland (2021-Present)
Senior Scientist working to prepare natural resource mapping and functional assessments, support avoidance and minimization during the alternatives analysis, and design and permit a strategic and multi-faceted compensatory mitigation package to offset unavoidable impacts to protected natural resources. This work has included comprehensive field surveys of multiple alternatives, outreach to dozens of conservation organizations and stakeholders to determine potential mitigation alternatives, and discussions and presentations with state and federal regulators, and support for design and negotiation of an appropriate natural resource mitigation plan during the permitting phase of the Project.

Crossroad Holdings, LLC | Scarborough, Maine (2021- Present)
Environmental mapping for the >500-acre Scarborough Downs Redevelopment Project.

Maine Turnpike Authority (MTA) Connector Project| Natural Resource Delineation Compensatory Mitigation Planning, Gorham, Maine (2021- Present)
Serving as a project manager and field lead performing wetland and stream delineations and potential vernal pool surveys for a proposed highway connector project from Gorham to South Portland; including preparing wetland delineation and function & value reports. Assisting the engineering team to prepare environmental permits for the proposed project and serving as the lead scientist to develop the compensatory mitigation plan.

Maine Turnpike Authority (MTA) Exit 36 Project| Natural Resource Delineation & Site Evaluation, Saco, Maine (2019)
Served as a field lead performing wetland and stream delineations and vernal pool surveys. Also worked as a site evaluator to design the subsurface wastewater disposal system (septic system) for the proposed administration building.

Maine Turnpike Authority (MTA) Exit 103 Project| Natural Resource Delineation, Site Evaluation & Permitting, West Gardiner, Maine (2018)
Served as a field lead performing wetland and stream delineations and vernal pool surveys. Then worked as the lead scientist to prepare environmental permits for the proposed project. Also worked as a site evaluator to design the subsurface wastewater disposal system (septic system) for the proposed administration building.

Sugarloaf Mountain – Mountain Bike Park| Natural Resource Delineation, Wildlife Surveys, & Permitting, Carrabassett, Maine (Present)
Serving as a project manager and field lead performing wetland and stream delineations and potential vernal pool surveys for a proposed mountain bike park project at Sugarloaf Mountain; including preparing wetland delineation and function & value reports. Also performed habitat assessments for rare birds, salamanders, and insects. Project manager of the team that prepared environmental permits for the proposed project and was the lead scientist to develop the compensatory mitigation plan.

Rodney Kelshaw; rodney@flycatcherllc.com

Twin Energy Wind Project | Rumford & Roxbury, Maine (Field Lead & Project Scientist) (2022)
Served as a field lead performing wetland and stream delineations, potential vernal pool surveys and assessments for an over 500-acre Survey Area. This included a soil survey for the 500-acre Survey Area. Wildlife surveys included northern spring salamander (*Gyrinophilus porphyriticus*) survey, Roaring Brook mayfly (*Epeorus frisoni*) survey, northern bog lemming (*Synaptomys borealis*) survey, northern long eared bat (*Myotis septentrionalis*) hibernacula surveys, raptor and eagle point count study design and surveys, and a winter aerial stick nest survey.

Downeast Wind Project | Washington County, Maine (Wildlife Biologist, Wetland & Soil Scientist and Third-Party Inspector) (2014 to Present)
Served as a field lead performing pre-construction aerial bald eagle nest in accordance with the Eagle Conservation Plan Guidance and spring breeding bird surveys. Served as a field lead performing wetland and stream delineations, vernal pool surveys, and performed a 1,300-acre soil survey including the turbine array, access roads and transmission lines. Once the project was permitted, performed construction oversight for permit compliance as the MDEP 3PI.

New England Clean Energy Connect (NECEC) | Northwestern & Mid-coast Maine (Environmental Inspector) (2022 to Present)
Worked as the company inspector during clearing and construction of the electrical transmission project. The overall goal was to help the client remain in compliance with the local, state, and federal project permits. This was accomplished by review and understanding of project permits and permit requirements and daily communication of these requirements with the client and subcontractors. This position was focused on environmental protection, centering on control of stormwater, minimizing erosion, and avoiding sedimentation of natural resources. This included daily meetings with contractors to plan for installation of stormwater and erosion controls and then daily inspection of installed stormwater controls and erosion control devices.

PRESENTATIONS & PUBLICATIONS

University of Maine at Orono (UMO): Guest Lecturer – Spring 2024 EES 140: Introduction to Soil Science
Guest Lecture for two classes; Soil Formation/Chemistry and Erosion and Sedimentation.

Presentation: Build Maine Conference 2023. Designing Neighborhoods, Not Housing Pods
A workshop for engineers, municipal officials, developers, and housing advocates to learn the basics of designing neighborhoods, including how to set up flexible blocks, lot dimensions that work for a range of building types, and techniques for accommodating parking in a way that creates curb appeal and great walkable places that people want to live. Also learn strategies for how to lead with urban design, supported by engineering, including a deep dive into an efficient workflow between these two professions in order to prepare high quality plans and permit documents.

Presentation: Headwaters to the Sea Conference 2016
Climate Change in the Northeast Effect on Construction Best Management Practices and the Subsequent Risk to Aquatic Ecosystems. *2016 New England Association of Environmental Biologists (NEAB) 40th Anniversary Annual Conference*, 2016.

Past Experience

Simard Payne Park Carry-In Boat Launch – Lewiston, ME

Project Type:
Carry-In Boat Launch

Services Provided:
Design and Permitting

Reference:
Jeff Beaule
City of Lewiston
(207) 513-3003

Gorrill Palmer designed and permitted of a carry-in boat launch at Simard Payne Park on the Androscoggin River for the City of Lewiston. This project included modifications to the existing park trails, design of a safe pathway down to the river, negotiating a steep embankment, invasive species management, and Maine DEP Natural Resources Protection Act permitting. The primary use of the boat launch was for the local rowing club, however, it is also available to any carry-in user. US Army Corps of Engineers permitting was not required because all permanent improvements were completed above the normal high water line of the river.

Mackerel Cove Boat Launch – Harpswell, ME

Project Type:
Boat Launch

Services Provided:
Design and Permitting

Reference:
Kristi K. Eiane
Town of Harpswell
(207) 833-5771

Will served as the project manager and principal in charge for the design and permitting of a town boat launch on Mackerel Cove located on Abner Point Road. The prior ramp at this location had deteriorated and become unusable. Gorrill Palmer designed a new concrete plank ramp. Due to tidal conditions, the ramp is only usable during mid to high tide levels. The ramp was permitted through Maine DEP and US Army Corps of Engineers.

Basin Point Road Tidal Culvert – Harpswell, ME

Project Type:
Culvert/Resiliency

Services Provided:
Design and Permitting

Reference:
Kristi K. Eiane
Town of Harpswell
(207) 833-5771

Gorrill Palmer worked closely with the Town of Harpswell and the Casco Bay Estuary Partnership (CBEP) on a feasibility study to develop a long-term plan for managing the potential impacts of sea level rise (SLR) and storm surge on a portion of Basin Point Road. The study's objectives included developing options to manage the impact of increased saltwater movement into the brackish pond and wetlands located at the head of Basin Cove and assessing the design options and costs to upgrade the road and culvert to withstand anticipated sea level rise. CBEP was responsible for developing a detailed assessment of the current conditions and scenario planning for the impact of SLR and storm surge on the current habitat and ecosystems along the road. Similar to other roads in Harpswell, Basin Point Road is a long dead-end road with the potential for significant impacts to residents and business owners due to sea level rise. For example, in 2016, the Dolphin Marina and Restaurant, located at the end of the road served over 85,000 customers. Gorrill Palmer identified multiple options for addressing SLR scenarios of 1, 2, 3.3 and 6-feet. We considered raising the road profile in the vicinity of the pond to accommodate the 3.3-foot and 6-foot scenarios. Both options included increasing the existing culvert at the head of the Cove from 18-inch diameter to a precast concrete box culvert with 14-foot span by 12-foot rise.

Example of Work

Sail Maine (2021) - Portland, ME

Project Type:
Sail Maine Expansion

Services Provided:
Design and Permitting

Reference:
Cyrus Hagge
58 Eastern Promenade Trail
Portland, Maine
(207) 772-7245

Sail Maine is a community sailing center based on the Portland waterfront. Their mission is to provide affordable access to the water through community sailing and educational programming. Flycathcer/Atlantic Environmental in cooperation with Custom Float Services, designed and permitted the expansion of the Sail Maine boating facility in Portland, Maine. The proposed changes included float design aspects that provide ease of launching and retrieval of small sail boats. This facility has functioned harmoniously within the Portland waterfront since its installation.

Boothbay Sea and Science Center (2022 – present) – East Boothbay, ME

Project Type:
Boothbay Sea and Science Center Upgrades

Services Provided:
Design and Permitting

Reference:
Pauline Dion
12 Carter Rd.
East Boothbay, Maine
04544
(207) 751-2999

In 2022 Boothbay Sea and Science Center moved to its current location, on the shore of East Boothbay in Linekin Bay. The site contains 2 docks and was used for commercial fishing. That facility has been rebuilt and adapted to fit the needs of the now coastal education community. The upgrades included a new more resilient dock, ADA compliant features, a revised float configuration that not only meets the needs of the sailing program, but also includes educational components to support aquaculture husbandry such as up-wellers.

Simard Payne Park Carry-In Boat Launch – Lewiston, ME

Project Type:
Carry-In Boat Launch

Services Provided:
Design and Permitting

Reference:
Jeff Beaule
City of Lewiston
(207) 513-3003

Gorrill Palmer designed and permitted of a carry-in boat launch at Simard Payne Park on the Androscoggin River for the City of Lewiston. This project included modifications to the existing park trails, design of a safe pathway down to the river, negotiating a steep embankment, invasive species management, and Maine DEP Natural Resources Protection Act permitting. The primary use of the boat launch was for the local rowing club, however, it is also available to any carry-in user. US Army Corps of Engineers permitting was not required because all permanent improvements were completed above the normal high water line of the river.

Statement of Availability & Staff Location

Our group leaders and project managers manage the day-to-day workload and assignments. We hold weekly team meetings to review and prioritize workload and deadlines to ensure that projects are effectively managed for all clients. In general, each project would be assigned to a group and the workload would be scheduled with other ongoing work to ensure that critical project milestones are met. The depth and qualifications of our staff allow us to allocate and shift resources seamlessly to meet deadlines on the most demanding projects.

Staff for this project will be from the offices listed below:

Gorrill Palmer – South Portland, Maine
Flycatcher – Yarmouth, Maine
Dow & Coulombe – Saco, Maine
Custom Float Services – South Portland, Maine

Project Budget

We propose to complete the basic scope of services on an hourly rate plus expenses basis for an estimated fee of **$56,000**, including Flycatcher and Dow & Coulombe fee and estimated reimbursable expenses. An hourly breakdown is attached at the end of this proposal. Gorrill Palmer will submit monthly invoices as the design and permitting work proceeds.

ID	TASK	COMPLETION DATE	GP HOURS	ASSIGNEE	SCHEDULE
					April: 7-Apr, 14-Apr, 21-Apr, 28-Apr; May: 5-May, 12-May, 19-May, 26-May; June: 2-Jun, 9-Jun, 16-Jun, 23-Jun, 30-Jun; July: 7-Jul, 14-Jul, 21-Jul, 28-Jul; August: 4-Aug, 11-Aug, 18-Aug, 25-Aug; September: 1-Sep, 8-Sep, 15-Sep, 22-Sep, 29-Sep; October: 6-Oct, 13-Oct, 20-Oct, 27-Oct
1	**TASK 1 -Kickoff Meeting with Town and Committees**	4/12/2025	12	GP/Town	
2	**TASK 2 - Conceptual Layout and Siting**		38		
3	TASK 2 - Conceptual Design			GP/F/C	
4	TASK 2 - Natural Resource Desktop Review			F	
5	TASK 2 - Review Meeting with Town and Committees			GP/F/Town	
6	TASK 2 - Town Review	5/12/2025		Town	
7	**TASK 3 - Survey and Resource Delineation**		5		
8	TASK 3 - Survey			D&C	
9	TASK 3 - Natural Resource Delineation	6/9/2025		F	
10	**TASK 4 - Preliminary Design**		81		
11	TASK 4 - Preliminary Design			GP/F/C	
12	TASK 4 -Agency Consultation			GP/F/Town	
13	TASK 4 - Review Meeting with Town and Committees			GP/F/Town	
14	TASK 4 - Town Council Meeting	9/8/2025		GP/F/Town	
15	**TASK 5 - Permitting**		37		
16	TASK 5 - Permitting Plans			GP/F	
17	TASK 5 - Permitting Application			GP/F	
18	**TASK 6 - Submission**				
19	TASK 6 - Permit Submission	10/24/2025		Town	