

## **JENNA R. GILBERT, E.I.**

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### EDUCATION

University of Maine, Orono – B.S. in Civil Engineering, focus on Water Resources Engineering, 2019

### PROFESSIONAL LICENSES/CERTIFICATIONS/REGISTRATIONS

Engineer Intern – Maine EI7755

Maine Department of Environmental Protection (MEDEP) – Erosion Control Practices (expires 12/31/2023)

MEDEP – Site Location of Development (SLODA) 3rd-Party Inspector

### AFFILIATIONS

American Society of Civil Engineers – Board member

Maine Department of Environmental Protection (MEDEP) – Erosion Control Practices

MEDEP – Site Location of Development (SLODA) 3rd-Party Inspector

### EMPLOYMENT HISTORY

2019 to Present – Sevee & Maher Engineers, Inc., Cumberland, Maine, Civil Engineer

2018 to 2019 – Summit Geoengineering Services, Rockland, Maine, Geotechnical Engineer Intern

### PROFESSIONAL QUALIFICATIONS AND EXPERIENCE

Ms. Gilbert has 4 years of experience in civil site design and permitting projects for public- and private-sector clients. Her areas of expertise include construction inspection; erosion and sedimentation control; site layout and planning; stormwater hydrology and management; roadway design; and permitting at the local, state, and federal levels.

Ms. Gilbert's work has included a range of assignments, including:

- Inspected construction sites for conformance with permitting design, MEDEP's Maine Erosion and Sediment Control Best Management Practices (BMPs) and the MEDEP Third-Party Inspection Program
- Reviewed and communicated permit conditions to contractors regarding sediment control and stormwater management
- Reviewed Gulf of Maine sea level rise data and climate predictions for coastal resilience planning
- Designed Smart Stream crossings, wetland crossings, living shorelines, and roadway improvements for increased shoreline stability and benefit to shoreland habitat
- Reviewed permitting and zoning requirements for development projects and prepared permit applications for Town and City Planning Boards, MEDEP, and U.S. Army Corps of Engineers (USACE)
- Prepared permit and construction level design drawings for demolition, site layout and utilities, grading, and stormwater management
- Assisted in subsurface exploration of test borings using a direct push and rotary drill rig, and performed Cone Penetration Tests for seismic analysis

- Produced geotechnical reports for clients, tailored to the specific needs of projects, including building foundations, culverts, bridges, roadways, and parking lots
- Prepared stormwater management reports including site specific stormwater analyses and detailed stormwater quality and quantity calculations in accordance with MEDEP’s Chapter 500 Basic, General, Redevelopment, and Flooding Standards

Additional areas of knowledge include:

- Water Resources:
  - Stormwater hydrology, stormwater Best Management Practices, watersheds, and wetlands, and
  - Calculation and interpolation of flow patterns in pipes and other water systems.

Selected Project Experience:

- **Washington County Council of Governments, Coastal Resilience, multiple towns** – Provided engineering designs and recommendations to strengthen coastal resiliency and improve public safety by providing drainage solutions on roadways, at culvert crossings, and along working waterfronts in five coastal communities.
- **Midcoast Regional Redevelopment Authority, Brunswick Landing Drainage, Brunswick, Maine** – Review historic hydrologic and environmental site information to assess current stormwater drainage and treatment system conditions and to provide recommendations to improve stormwater quantity and quality of runoff at the Brunswick Landing.
- **Estabrook’s Farms and Greenhouse, Production Facility, Route 9, Pownal, Maine** – State and federal environmental permitting and civil engineering design of various stormwater treatment BMPs, hydrologic models, and a post-construction stormwater management plan to comply with MEDEP Site and Stormwater Laws for a 4.7-acre greenhouse facility.
- **Town of Cumberland, Public Works Improvements, Drowne Road, Cumberland, Maine** – State environmental permitting and civil engineering design of stormwater treatment systems, site hydrology, and a post-construction stormwater management plan to meet MEDEP Site and Stormwater Laws for a development for the municipality and MSAD 51.
- **Town of Cumberland, Tuttle Road Sidewalk Extension, Cumberland, Maine** – Civil engineering and construction of sidewalk extensions, roadway overlay, and stormwater drainage systems for 0.38 miles of Tuttle Road.
- **Sappi North America, Inc., Project Elevate, Somerset Mill, Skowhegan, Maine (2022-2023)** – Town, state, and federal environmental permitting and civil engineering design of stormwater treatment systems, site and utility layout, sedimentation and erosion control, and a post-construction stormwater management plan to comply with MEDEP SLODA, NRPA, Stormwater Laws, and USACE regulations for an industrial pulp and paper Mill.