

KATE E. TILAS, LPA

EDUCATION

M.S. – Civil Engineering, Wentworth Institute of Technology, 2020
B.S. – Civil Engineering, Wentworth Institute of Technology, 2012

EMPLOYMENT HISTORY

2020 to present – Sevee & Maher Engineers, Inc., Cumberland, Maine, Civil Engineer
2018 to 2020 – City of Portland, Portland, Maine, Water Resources Engineer
2016 to 2017 – Baker Design Consultants, Freeport, Maine, Graduate Engineer
2012 to 2016 – Stantec, Topsham, Maine, CADD and GIS Technician

CERTIFICATIONS AND AFFILIATIONS

Maine Department of Environmental Protection (MEDEP) – Erosion Control Practices
MEDEP – Site Location of Development (SLODA) 3rd-Party Inspector
Maine Department of Transportation (MDOT) – Local Project Administrator
American Society of Civil Engineers
Maine Water Environment Association

PROFESSIONAL EXPERIENCE

Ms. Tilas has 10 years of diverse experience assisting private- and public-sector clients with their civil engineering projects, from initial design through the construction phase. She has expertise in site, drainage and utility design; coastal shoreline stabilization; feasibility studies; and permitting at the local, state, and federal levels, including projects compliant with U.S. Army Corps of Engineers (USACE) and Natural Resources Protection Act (NRPA) requirements. Ms. Tilas is an MDOT-certified Local Project Administrator.

She has been responsible for municipal stormwater and sewer infrastructure design and construction management, including culvert and pump station projects valued at up to \$2 million for the City of Portland, Maine.

Ms. Tilas has specialized expertise in creating and managing GIS data. Her recent experience includes applying GIS in stormwater mapping and management projects using ARCGIS to update and maintain the City of Portland's stormwater and sewer infrastructures. Her advanced skills include creating associated objects to feature classes representing different types of infrastructure (e.g., pipes, manholes, catch basins, impervious areas, and building footprints) and creating a detailed geodatabase for asset management of infrastructure.

Ms. Tilas is experienced in digital mapping and geolocation using ArcGIS Cityworks and Trimble, and in computer-aid design using AutoCAD, AutoDesk Civil 3D, and HydroCAD. She is skilled in exporting CAD data to an SHP file for GIS and incorporation in a database, and vice versa. She has provided CAD and GIS support for diverse projects in oil and gas, mining, post-construction wind energy, avian studies, wetland delineations and utility lines.