

MATTHEW COSTA

PROFESSIONAL EXPERIENCE

Beals Associates, Inc., Boston, MA

2016 - Present

Project Engineer

- Specialties: Project Permitting and Presentation, Land Evaluation, Project Management and Quality Control, Research, Civil Engineering Design and Permitting, Wetland Identification, Feasibility Studies, Land Surveying
- Create conceptual base plans using GIS data and other sources
- Conceptual planning through 3D modeling software
- Perform feasibility studies, due diligence research and registry research
- Prepare and present presentations for Town/City Council department meetings for permitting
- Utilize AutoCAD Civil 3D to create 3D models of utilities, roadways, and stormwater networks
- Design and analyze stormwater management facilities and wastewater treatment facilities
- Prepare and review construction documents and submittals
- Create photorealistic renderings utilizing Adobe Photoshop and other software
- Perform as-built surveys and other field surveys as well as wetland identifications
- Train employees to use various software programs and survey equipment

Key Projects;

Brighton, MA – Boston Landing. Gloucester, MA – Gloucester Hotel, Winchester, MA – Winning Farm of Winchester. Groton, MA – Indian Hill Music Center. Chelsea, MA – LTI Limousine Business Relocation, South Weymouth, MA – Union Point, Multiple comprehensive property evaluations, feasibility studies, permitting, Civil Design, and Land Surveying

Cashman Dredging & Marine Construction, Quincy, MA

2013 - 2016

Field Engineer

- Worked closely with Project Engineers to determine backfill and dredging plans; Removed 2M cubic yards of material in General Electric PCB Remediation Project
- Maintained computer/GPS systems on a variety of dredges to current hob and quality control specifications; including hopper and excavator dredges in addition to one of the worlds largest crane dredges
- Created cross sectional drawings to calculate volumes of material
- Communicated with and supervised union workers and sub-contractors to project specifications
- Conducted hydrographic and land surveys and create bathymetric/ topographic drawings; Multi-disciplined in Trimble and Leica equipment as well as land surveyor equipment
- Maintained client relationships, prepared bids and liaised with clients and subcontractors to comprehend the output requirements and monitor project costs and progress
- Created CAD drawings of a variety of different civil designs to mechanical shop drawings
- Completed Job Hazard Assessments to identify hazards related to job tasks and apply safety mitigation techniques to lower risks

Key Projects

Hudson River, NY – General Electric: PCB Remediation Project. Nome, AK – Gold mining.
Tampa, FL – Maintenance Dredging. Jupiter, FL – Beach Renourishment. North Miami, FL –

Beach Renourishment, Mystic, CT – Channel Deepening, West Palm Beach, FL – Palm Beach Inlet Deepening, New Bedford, Ma – Harbor deepening

Snelling & Hamel Associates, Lincoln MA

2012 - 2013

Land Surveyor Crew Chief

- Conducted surveys for stake outs, site plans and property line determinations
- Communicated with builders, architects and property owners' id designing plans
- Converted field data into drawings using CAD for site plans, topographic drawings, septic system designs
- Worked with different town engineering/ building departments locating plans, deeds and titles

Town of Milton DPW, Milton MA

2012

Assistant Engineer, Engineering Department

- Designed proposed catch basins using automatic level, GIS, existing plans and CAD
- Created and updated contract documents and CAD drawings
- Designed drain line repairs for damaged areas using GIS, video recordings, and CAD
- Performed project inspections for new buildings and pumping station renovation

Boston Water and Sewer Commission, Boston, MA

2011

Field Engineer, Operations Department

- Assisted project manager with catch basin cleaning projects using GIS and Cassworks systems
- Inspected catch basins in Greater Boston Area for damage and to inspect contractors work
- Oversaw inspectors at numerous construction project sites

EDUCATION

Bachelor of Science, Civil Engineering Technology, Wentworth Institute of Technology, Boston MA

CERTIFICATIONS

OSHA 30 Occupational Safety and Health Training
OSHA 40 Hazwoper, OSHA 8hr Hazwoper Refresher
LEED Green Associate

COMMUNITY ACTIVITIES

American Society of Civil Engineer (ASCE)
Boy Scouts of America (BSA) Eagle Scout
MSPCA; Rescue Dog

2009 – Present