

## **MATTHEW COSTA**

---

---

### **PROFESSIONAL EXPERIENCE**

---

**Beals Associates, Inc., Boston, MA**

**April 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**

**Oct. 2013 – April 2016**

**Field Engineer**

- Work closely with Project Engineers to determine backfill and dredging plans; Removed of 2M cubic yards of material in General Electric PCB Remediation Project
- Maintain computer/GPS systems on a variety of dredges to current job and quality control specifications; including hopper and excavator dredges in addition to one of the worlds largest crane dredges
- Create cross sectional drawings to calculate volumes of material
- Communicate with and supervise union workers and sub-contractors to project specifications
- Conduct hydrographic and land surveys and create bathymetric/ topographic drawings; Multi-disciplined in Trimble and Leica equipment as well as land surveyor equipment
- Maintain client relationships, prepared bids and liaise with clients and subcontractors to comprehend the output requirements and monitor project costs and progress
- Create CAD drawings of a variety of different civil designs to mechanical shop drawings
- Complete 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**

**Sept. 2012 - Jan. 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, etc.
- Worked with different town engineering/ building departments locating plans, deeds and titles

**Town of Milton DPW, Milton MA**

**Jan. - May 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**

**May - Sept. 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  
Norwood High School, Norwood, MA

**CERTIFICATIONS**

---

OSHA 30 Occupational Safety and Health Training  
OSHA 40 Hazwopper, OSHA 8hr Hazwopper Refresher

**COMMUNITY ACTIVITIES**

---

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

**2009 – Present**