

BEALS • ASSOCIATES INC.

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BENJAMIN ENOS

PROFESSIONAL EXPERIENCE

Beals Associates, Inc., Boston, MA

2018- Present

Project Engineer

- Create conceptual base plans using Mass GIS data and other GIS sources
- Conceptual planning through 3D modeling software
- Utilize AutoCAD Civil 3D to create conceptual site layout designs
- Prepare conceptual designs in compliance with local bylaws
- Perform feasibility studies in compliance with local zoning bylaws
- Prepare local permitting documents for Notice of Intent applications and Site Plan applications
- Watershed analysis for pre and post development conditions using HydroCAD
- Prepare and review final construction documents
- Perform on-site field investigations

D-Shape Enterprises, L.L.C., New York, NY

2017-2018

Capstone Project

- Created lab made concrete specimens to mimic 3-D Printing process
- Modified proprietary mix design to optimize flexural and compressive strength
- Introduced fiber reinforcement to proprietary mix design
- Tested lab made Portland Cement Concrete specimens and proprietary mix specimens using ASTM standards and testing methods
- Performed test prints for 3-D Printed concrete beams and small benches using smaller 3-D Printer model
- Utilized Arduino to write and alter code in order to run 3-D Printer

EDUCATION

Bachelor of Science, Civil Engineering, University of New Hampshire, Durham, NH

COMMUNITY ACTIVITIES

American Society of Civil Engineers (ASCE)

2014 – Present