

Baker Design Consultants

Challenges, Opportunities, and Lessons learned



Living Shorelines Workshop
April 6, 2018

Miller Seawall



Miller Seawall



CHALLENGES

“...a stimulating task or problem....”

- 1. Retreating Shorelines**
- 2. Sea level Rise Climate Change**
- 3. Client Education**
- 4. Economical Solutions**
- 5. Regulatory Requirements**

OPPORTUNITIES

“...a good chance for advancement or progress....”

- 1. No shortage of Coastal Erosion**
- 2. Developing Expertise**
- 3. New Products**

Toe Erosion



Sensitive soils



Steep Slopes



Pipe Discharge on Slope



Retreating Slopes



Trees on Unstable Slopes



Trees on Slope

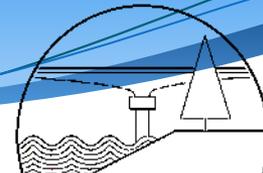


Surficial Slides



Fringe Marsh Health and Contribution





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Case Studies

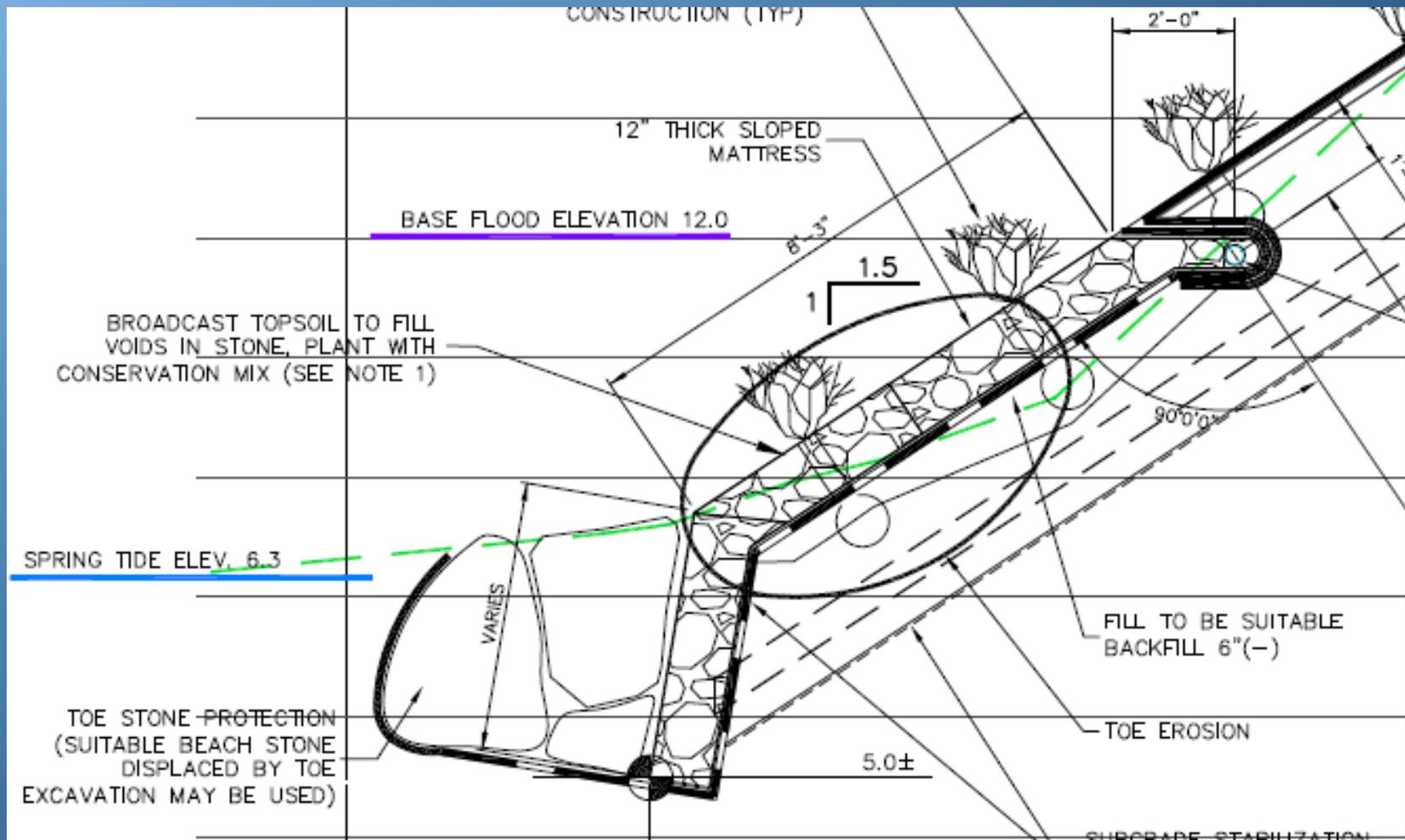
Prouts Neck



Prouts Neck



Hamilton Beach



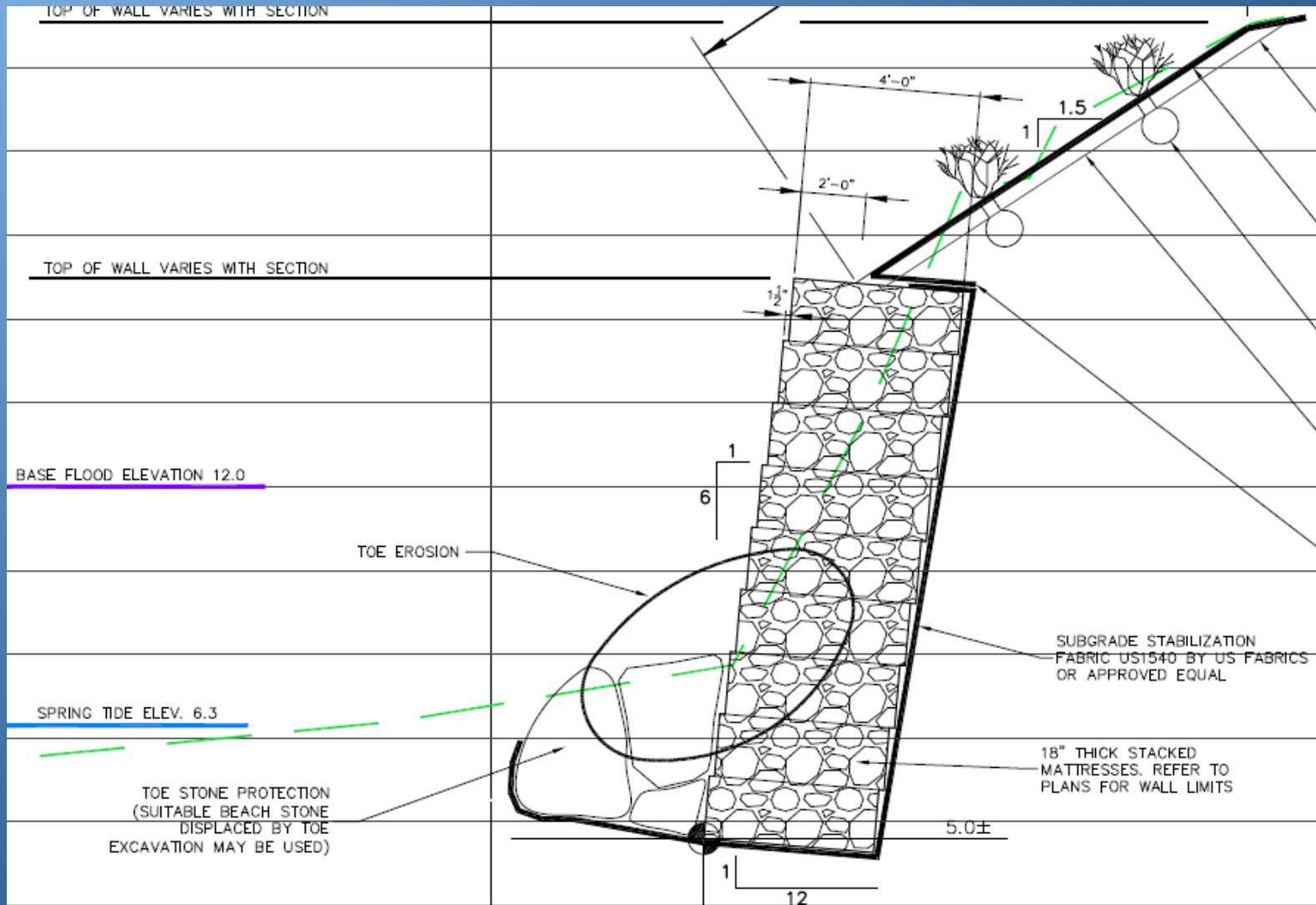
Hamilton Beach



Hamilton Beach



Hamilton Beach



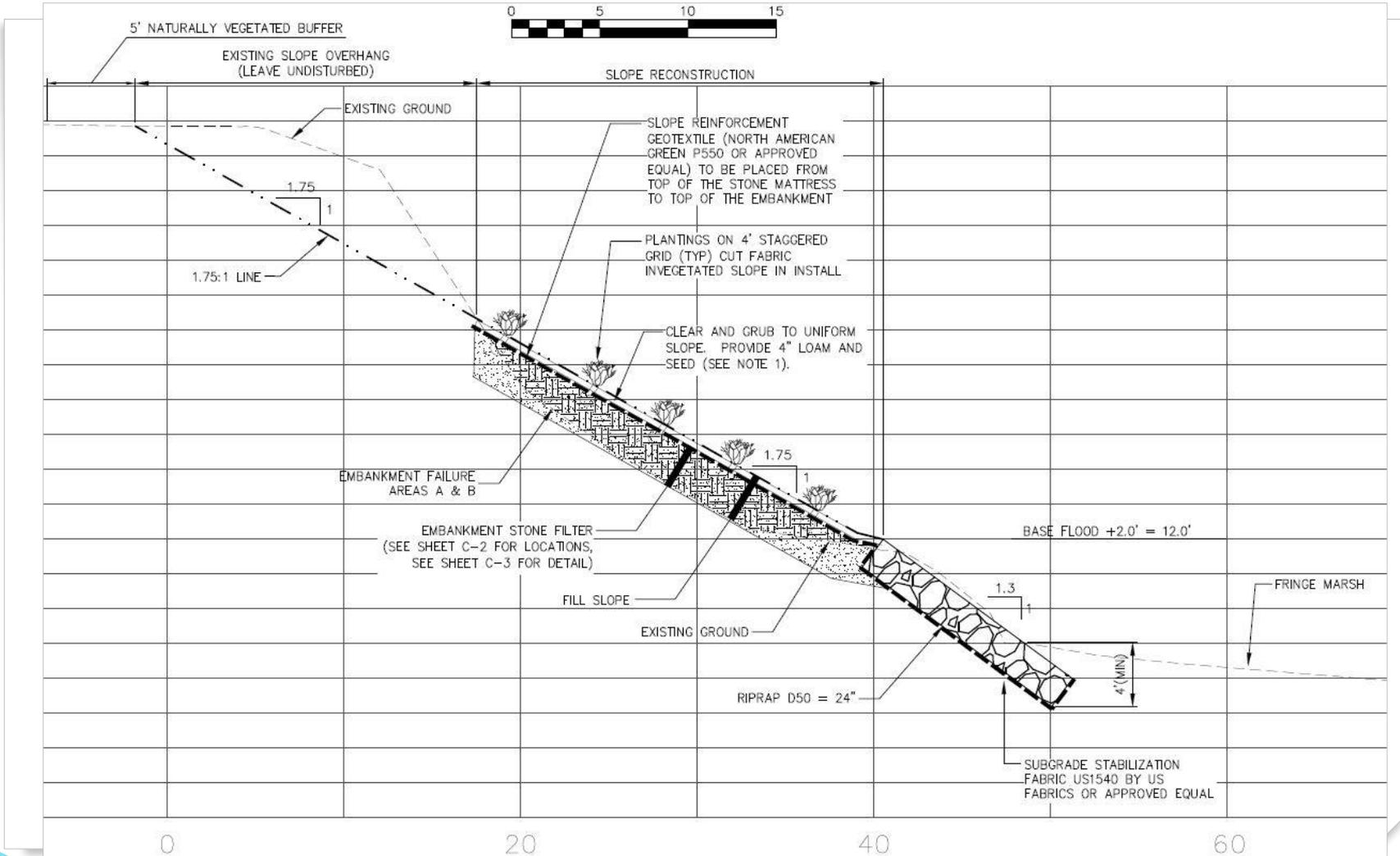
Hamilton Beach



Hamilton Beach



Parkhill Slope



Parkill Slope



Fringe Marsh Reconstruction



Fringe Marsh Reconstruction

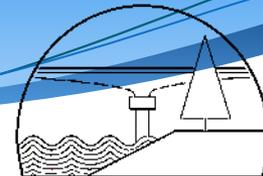


Parkhill slope



Parkhill slope





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LESSONS LEARNED

Equipment Access



Working in Tandem



Landside Access



Landside Access



Access via the Beach



Access via Barge



Temporary Structures to Reduce Impacts



Build Your way in



Mattress Assembly



Stockpile Ahead



Take advantage of the weather



Complete Sections and then Move on

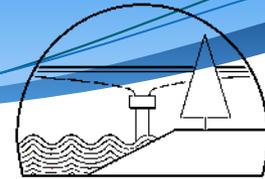


Vertical Drains



Horizontal drains





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Thank you!

Barney Baker, PE

www.bakerdesignconsultants.com

Baker Design Consultants

7 Spruce Lane

Freeport, ME 04032

207-846-9724