



New Jersey Shore Protection

STREAMBANK STABILIZATION OF
BIG TIMBER CREEK @ TIMBER BLVD.



ARTICULATED CONCRETE CABLE MAT REVETMENT



New Jersey Dept. of Environmental Protection
Office of Engineering & Construction
Bureau of Coastal Engineering
Benjamin Keiser, Manager

Borough of Brooklawn
Camden County, New Jersey
John Soubasis, Mayor



New Jersey's Shore Protection Program



**State of New Jersey
Jon S. Corzine, Governor**

**Dept. of Environmental Protection
Mark N. Mauriello, Acting Commissioner**

**Natural & Historic Resources
Amy Cradic, Assistant Commissioner**

**Office of Engineering & Construction
David Rosenblatt, Administrator**

Bureau of Coastal Engineering

Purpose...

To administer beach nourishment, shore protection and navigational dredging projects throughout the State to:

- **Provide for the protection of life and property along the coast**
- **Preserve our State's vital coastal resources**
- **Maintain safe and navigable waterways**



Shore Protection Fund

Dedicated for...

“To protect existing development and infrastructure from storm surges, sea-level rise and shoreline migration through dune creation and maintenance, beach nourishment projects, and construction and repair of shore protection structures.”

**\$25 million dedicated annually
Realty Transfer Tax (N.J.S.A. C.13:19-16.1)**



Shore Protection Funding

How It's Divided

Federal Projects - NJDEP - local sponsor in these projects

- Studies
- Storm Damage Reduction/Shore Protection
- Environmental Restoration

State Projects - Municipalities - local sponsor in these projects

- Storm Damage Reduction/Shore Protection

Professional and Technical Services -

- Stevens Institute of Technology
- Richard Stockton College of New Jersey
- Division of Fish and Wildlife
- New Jersey Geological Survey





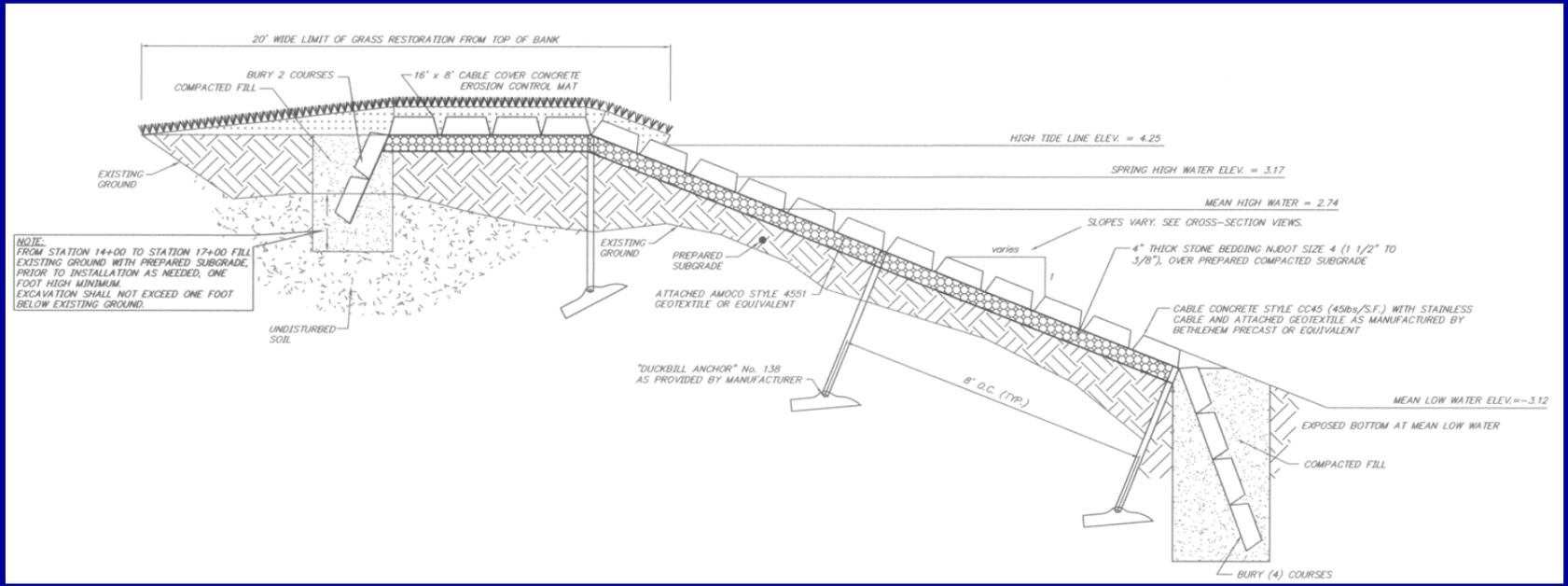
STREAMBANK STABILIZATION OF BIG TIMBER CREEK @ TIMBER BLVD.





Project Specifications

- **Articulated Concrete Block**
 - 730 Linear Feet
 - 32' CC-45 Cable Concrete Mat System - Bethlehem Block





View @ High Tide



Viewing South

Mid-Project



Viewing North

Mid-Project





Typical Construction Equipment





Typical Concrete Revetment





Permits



- **State - NJDEP**
 - Waterfront Development
 - Freshwater Wetlands
 - Transition Area Waiver
 - Water Quality Certificate
- **Federal - ACOE**
 - Nationwide Permit 3 Bank Stabilization





Proposed Project Costs



- **Contract Amount: \$367,745.73**
- **Cost Share:**
 - **75% State = \$275,809.30**
 - **25% Municipality = \$91,936.43**





Project Facts

- **Bid Opening: May 20, 2009**
 - Award: Albert Marine Construction, Inc.
 - Amount: \$367,745.73
 - Pre-Construction Meeting: September 17, 2009
- **Estimate Construction Start: October 19, 2009**
- **Proposed Construction End Date: February 15, 2010**





What to Expect...

- **Structure Monitoring**
- **Project Trailer**
- **Staging Area**
 - **Upland Concrete Rubble Pile**
 - **Potential Concrete Crushing Equipment**
- **State Inspector - Project Oversight**





Contractor Contact Information



- **Albert Marine Construction, Inc.**
 - **308 South Main Street**
 - **Forked River, NJ 08731**
 - **Phone: (609) 693-5524**
 - **Email: albertmarine1@aol.com**
 - **Owner – Bob Albert**
 - **Superintendent – Ted Faxon**



New Jersey Department of Environmental Protection *Shore Protection Program*



www.nj.gov/dep/shoreprotection



New Jersey Dept. Environmental Protection
Bureau of Coastal Engineering

Shore Protection Program