

Borough of Avalon Dredging Project Meeting June 21, 2014



Martin L. Pagliughi, Mayor of Avalon

Thomas Thornton, Municipal Engineer, Hatch Mott MacDonald

www.avalonboro.net

Why Are We Dredging?



2007 Back Bay Dredging Study Recommendations

- Phase 1 – Long Reach and Whale Harbor – 2009
- Emptying of Confined Disposal Facility – Underway
 - Phases 2 & 3: Borough and State Channels
 - Added Project: North End

Hurricane Sandy – Accelerated Schedule & Partnerships

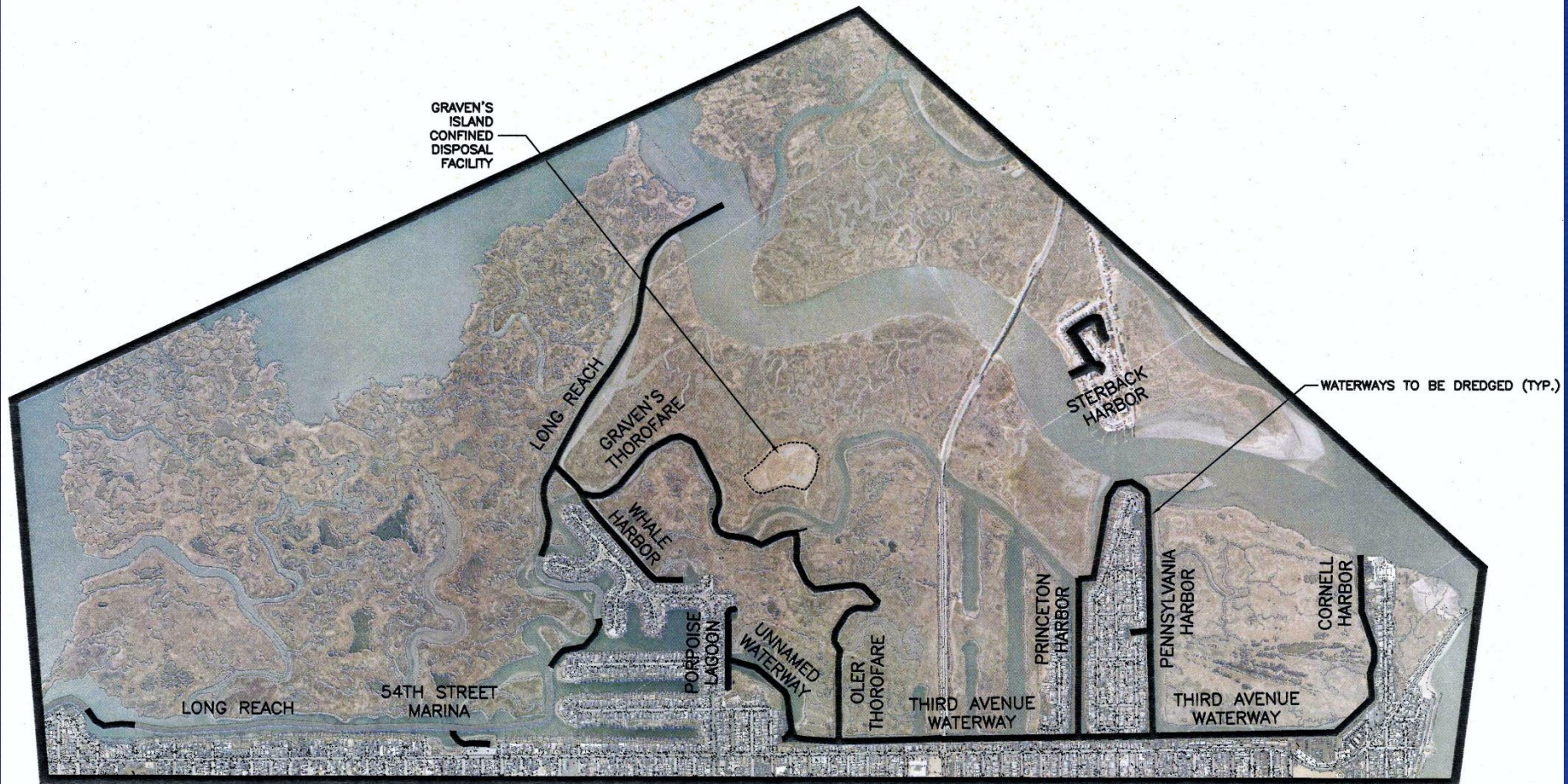
Preparation Already Underway



Avalon received permission to build a road to the Graven's Island CDF, located in Middle Township, owned by the Borough. Avalon exhaustively tested the materials at Graven's Island so they could be offloaded by a contractor. Approximately 70% of the 150,000 cubic yards of material to be offloaded have been removed in advance of new dredge materials to be placed back on the island during the dredging project.

Areas to be Dredged

BOROUGH OF AVALON
CAPE MAY COUNTY, NEW JERSEY
2014 BACK BAY MAINTENANCE
DREDGING PROJECT



Necessary steps before dredging



Extensive core samples will be taken at key locations throughout the dredging project to ensure that the materials to be removed are safe and clean for placement at Graven's Island

Permits from the United States Army Corps of Engineers and New Jersey Department of Environmental Protection are necessary for every dredging project



Successful Borough Partnerships



Avalon has negotiated successful agreements with Middle Township and the New Jersey Department of Transportation to defray the overall costs associated with the dredging project.

\$740,000 Middle Township for dredging of Sterbeck Harbor (offsetting portion of sampling, permitting, design, and mobilization)
Up to \$2,000,000 State of New Jersey for dredging of Long Reach, Whale Harbor, Oler Thorofare, Graven's Thorofare, 54th Street Marina Entrance

Timeline for Dredging



Project out to bid: August, 2014

Contract award: September, 2014

Dredging to occur: October-December 31, 2014 and again
September-December, 2015

Note: No dredging is allowed in the State of New Jersey from January 1st-May 31st due to the state and federal winter flounder season

Overcoming Obstacles to Dredging



Mayor Pagliughi, Tom Thornton, other Borough, County, and State officials met with NJDEP Commissioner Robert Martin and his staff this spring to discuss practical approaches to dredging issues including the winter flounder season, disposal of dredge materials, and a more science-based approach that will make dredging projects easier in the future

Value of Services Provided by Avalon to Property Owners



Activity	Typical Cost Without Borough Project	Cost With Borough Project*
Sampling and Testing	\$3,000	\$0
Permits	\$7,000	\$0
Dredging	\$20,000	\$6,000
Total	\$30,000	\$6,000

*Estimated median cost – many factors could contribute to significant deviations from this estimate.

Estimated total value of services per slip owner: \$24,000

Can I get my private boat slip dredged by the contractor?



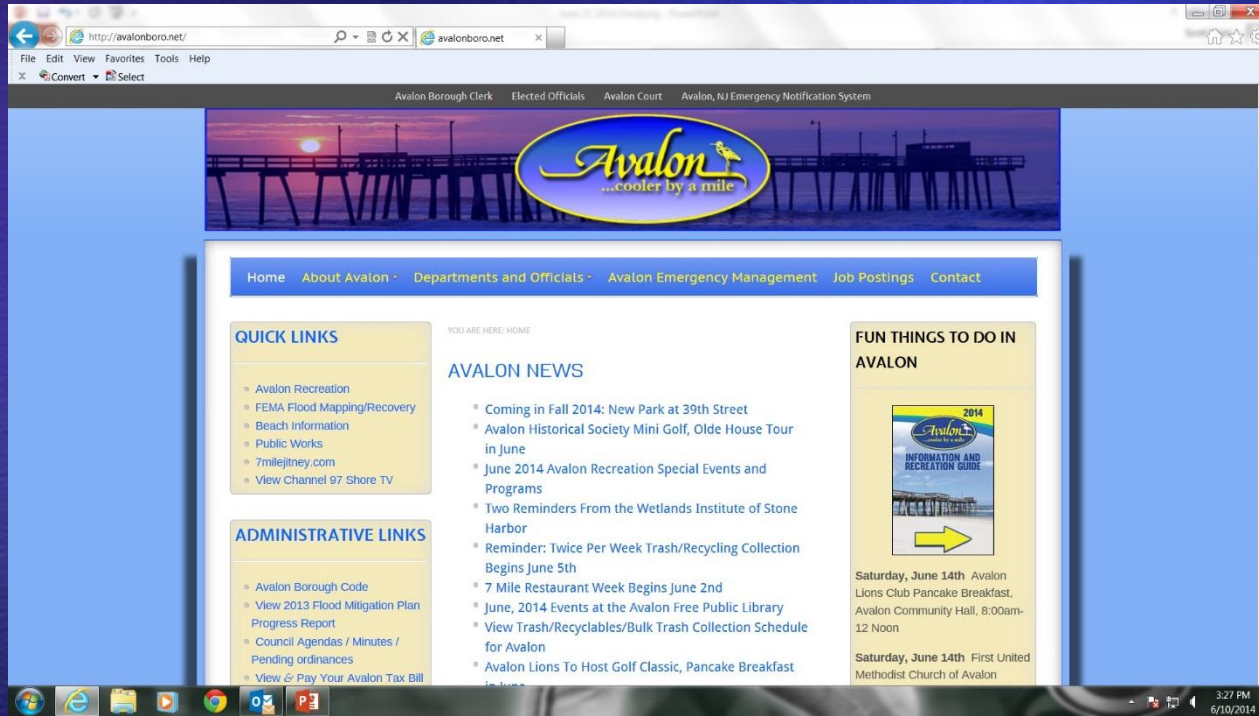
Yes! In its bid specs, the Borough has required the contractor to negotiate fairly with slip owners to dredge the private boat slips for those who wish to do so. It is the past practice of the Borough to have the private slip owners negotiate with the contractor on a price to have the private slip dredged. Slip owners are under no obligation to have their slips dredged during this project.

Factors that Determine the Cost of Dredging a Private Slip

1. Amount of material to be removed
2. Difficulty in maneuvering around docks/pilings
3. Temporary removal of docks
4. Distance from Graven's Island
5. Location of boat slip relative to channel dredging

Please note: The Borough cannot establish a fixed price for every slip due to these factors and due to the slips being privately owned.

Updates and Questions



Updates will be available online, all of the time as warranted at
www.avalonboro.net

Are there any questions that we may answer for you this morning?