

## Mantoloking Beach Replenishment Fact Sheet

Super-Storm Sandy took its toll on the entire community of Mantoloking. It is safe to say not a home or property was left untouched. The storm surge alone was estimated at well over 10 feet on the Ocean with overwash of more than 4 feet of ocean water flowing to the Bay. This storm has not only affected our oceanfront residences, it has affected our entire community. In order to help mitigate potential damage from future storms, we will need to address the recommendations of FEMA's new advisory base flood elevations (ABFE), bolster our building codes, be smart about how we build our homes and more importantly invest in protecting and replenishing our dune and beach system.

The Borough of Mantoloking has conducted several studies to determine the best way to protect our community from future storms. The Borough recommends an immediate course of action: beach replenishment and adding a stone revetment or geo-textile dune core reinforcement for the dune.

Here is some information on both revetments and replenishment:

1. Replenishment works! Take a look at photos below. The first a portion of Bay Head that has revetments and the second is Long Beach Township (one part of town had replenishment, the other did not).



Bay Head- Damage for sure, but a majority of homes are still standing.



Long Beach Township- After Sandy w/ replenishment.



North Beach Section of Long Beach Township- w/out replenishment.

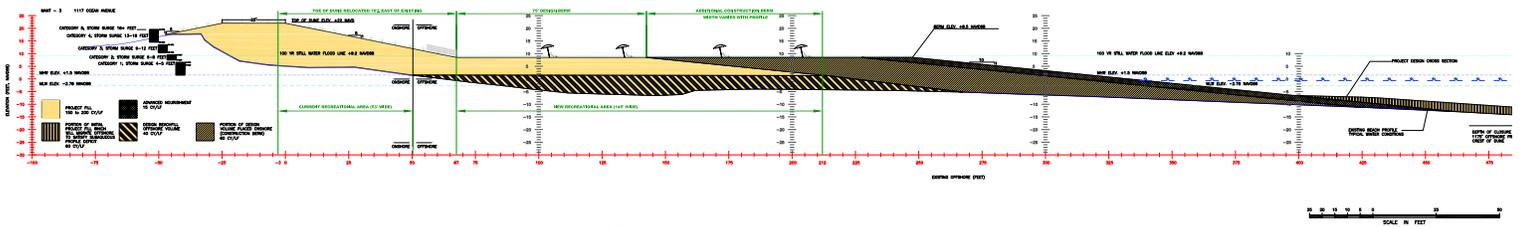


Holgate Section of Long Beach Township- w/out replenishment.

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## 2. Beach replenishment will extend our beaches and lessen the impact of waves during large storms:

- Berm and beach will increase: Pre-Sandy recreation area: 53ft. Replenishment = A minimum of 145ft
- Dune height will increase to elevation 22
- Wave impact will be 100 ft further out from current zone
- Offers protection against a 100 year storm event (18+ storm surge) Pre-Sandy protection= Less than a 25 year storm event in many areas of the Borough



## 3. Beach replenishment is a cost effective measure to protect our community:

- Cost to Borough and taxpayers is minimal (President has suggested favorable cost share modifications)
- High probability of funding (with FEMA assistance) available NOW. Future funding unknown
- Federal Govt., Christie administration and County supportive

## 4. Signing an easement will benefit the community and protect you and your neighbors for a long time to come:

- We will have a substantial beach that we can use at all times regardless of the tides;
- The new dune and beach will offer more privacy to oceanfront owners;
- A longer, gentler dune foreslope will facilitate easier owner access;
- Helps to solidify our relationship between the Army Corps, the State and the Borough. The Army Corps will maintain the beach for a period of 50 years!
- It will help to protect future generations so they will hopefully never have to go through what we just did with Sandy.

## 5. What must we “give up” to get this funding and the project rolling:

An easement in perpetuity—this will help to lessen the paperwork when the Army Corps comes back every 5-7 years to replenish

- Allowing access to your dune so that the Corps can replenish the dune and the berm. It does not grant the State or the Federal government the right to build ANY structure on your property—the easement is **only** for the replenishment project and shore protection measures.
- The Borough recognizes the new FEMA ABFE and that a larger dune may require changes to current structure height restrictions and deck requirements and will work with the Planning Board to design new requirements that will aim to protect the ocean-front owners view. We aim to get these new requirements out as soon as practical. Singular beach front property owner access to the beach will be preserved and conforming at the highest and conforming dune platforms will be allowed.

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6. The beach access requirements are significantly different than past requirements: The Christie Administration has promulgated rules that place the responsibility for public access with local governments and require municipalities to adopt their own Municipal Public Access Plans. The Borough plans on submitting an access plan that captures the status quo of access prior to Sandy—with the only exception being that our beach access walkways will take into account the wider dune and longer beaches should the Army Corps project move ahead. **IT IS IMPORTANT TO NOTE THAT THE BOROUGH'S PROPOSED PLAN DOES NOT INCLUDE ANY ADDITIONAL RESTROOM FACILITIES ABOVE AND BEYOND WHAT WE ALREADY HAVE AT BOROUGH HALL. OUR PLAN IS FOR BEACH ACCESS TO REMAIN THE SAME—IF THE PUBLIC WANTS TO CONTINUE TO USE THE BEACH, THEY WILL HAVE TO USE PUBLIC ACCESS POINTS WITH THE REQUIRED BEACH BADGE.**

7. The Borough is committed to making this project happen. The project is a listed and approved Army Corps project, we have the Borough and State matching funding available (Federal funding is also highly probable) and we need it desperately to protect our infrastructure. Even if we do not have all of the easements, we will pursue this project with vigor to protect the safety and viability of our community. As evidenced by the recent Nor'Easters, this is a project that we cannot wait for:



8. Revetments will help to shore up any replenishment project that will be implemented:

- Revetments and dune core enhancements work: See Bay Head and the small section of North Mantoloking
- Revetments compliment beach replenishment: Revetments will provide a solid foundation for the dune structure that will be put into place by the Army Corps
- Revetments are expensive: That is why the Army Corps does not include them in their projects. The Borough is looking at several different technologies that will work with the replenishment (Rocks, wraps, etc). The Borough is looking at different ways to finance this portion of the project.
- Revetments alone are not the best solution. Revetments certainly helped sustain much of the damage in areas that had such structures, but it is imperative to have a longer beach and solid dune in place to lessen the ocean's impact.

