# Chatham Beach Nourishment- Feeder Beach

Providing a sediment source to naturally flow along a sand-starved coastline.

Ted Keon
Director of Coastal Resources
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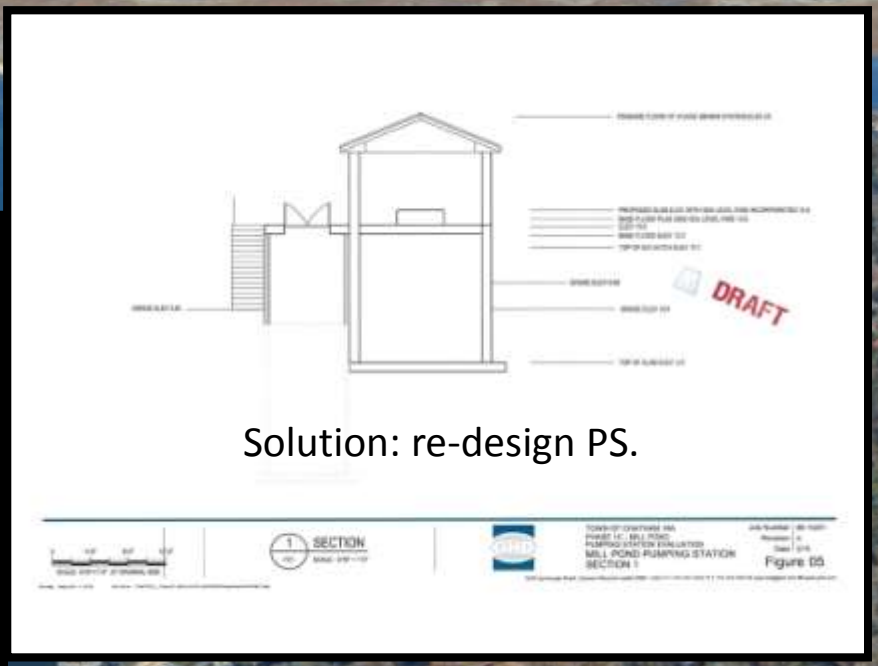
# Chatham: Working to Make Wastewater Infrastructure More Resilient

Little Mill Pond Pump Station: Located in the flood plain and within MHW during storm tides.




Solution: re-design PS.

Contact: Robert Duncanson, Ph.D.
Dir. of Health & Natural Resources/CWMP Program Manager

# Constructing Infrastructure Resilient Town of Barnstable

Stewart's Creek

Ocean Ave.

culvert

Hyannis Harbor

Dr. Dale Saad dale.saad@town.barnstable.ma.us

- Installed enlarged culvert w/ control structure.

- Installed valves to protect & isolate drinking water system at creek crossing.

- Sewer redesign removed creek crossing.

# Using Zoning To Promote Rather Than Punish Flood Resilient Reinvestment

- Building Height Measured from Base Flood Elevation rather than grade
- Repetitive Loss Properties being lifted out of harms way

Contact:
Daniel J. Fortier, AICP
Town of Dennis
dfortier@town.dennis.ma.us

# Infrastructure Protection - Mashpee

**Erosion of South Cape Beach parking by Superstorm Sandy**

**Artificial dune to protect what's left**

**Contact Person:**
Catherine Laurent
DPW Director
Town of Mashpee

# Herring Cove Beach Coastal Erosion Adaptation & Public Access Site Improvements


Winter storm damage

## One-time Retreat of the Herring Cove Beach North Public Access


Accessible beach use

NPS developed a long-term coastal resiliency plan for management of the public use area in a way that considers:

- the potential for future erosion, sea level rise, coastal flooding during storm events, and long-term sustainability;
- that restores natural systems to the greatest extent possible; and,
- that also retains the recreational experience to the greatest extent possible.

Why 125 feet inland?
Life of the plan: 50 years
Est. average annual shoreline retreat: 2.5 foot/year

Why 15-16 feet elevation?
Current parking lot at ~10 feet
FEMA velocity zone 100-year base flood elevation is 14 feet

Shoreline change modeling

APCC
Association to Preserve Cape Cod

www.apcc.org

# Restoration Coordination Center

## Building Coastal Habitat Resiliency through Restoration

Improving the ability of communities to rebound from coastal erosion, flooding and sea level rise

Contact: April Wobst, (508) 362-4226 x14, awobst@apcc.org

# *Development of Brewster's Coastal Adaptation Strategy*

**WHY:** guide decisions impacted by coastal change, sea level rise and erosion

**HOW:** engage stakeholders in a facilitated public process incorporating vulnerability and risk information and public needs and concerns

**OUTCOME:** a consensus-based Adaptation Strategy that identifies management measures, standards and policies to enable the Town to adapt to coastal change

For more information contact:
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