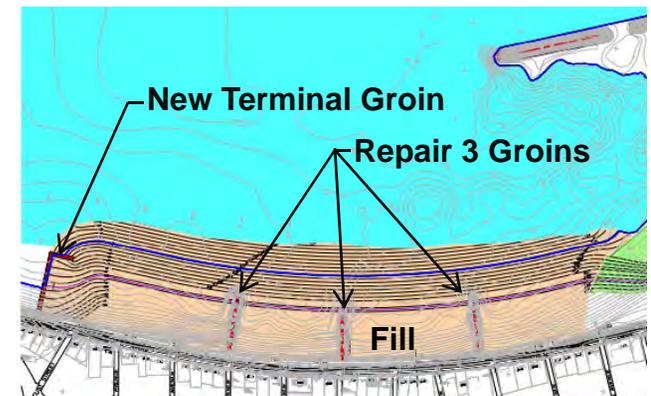


Winthrop Beach Nourishment Phase 3 Northern Section



DCR Public Meeting

February 13, 2014 6:30 p.m. – 8:00 pm
Robert A. DeLeo Winthrop Senior Center
35 Harvard St.
Winthrop, MA





Commonwealth of Massachusetts

Governor

Deval L. Patrick

Energy and Environmental Secretary

Richard K. Sullivan, Jr.

Department of Conservation and Recreation Commissioner

John P. Murray

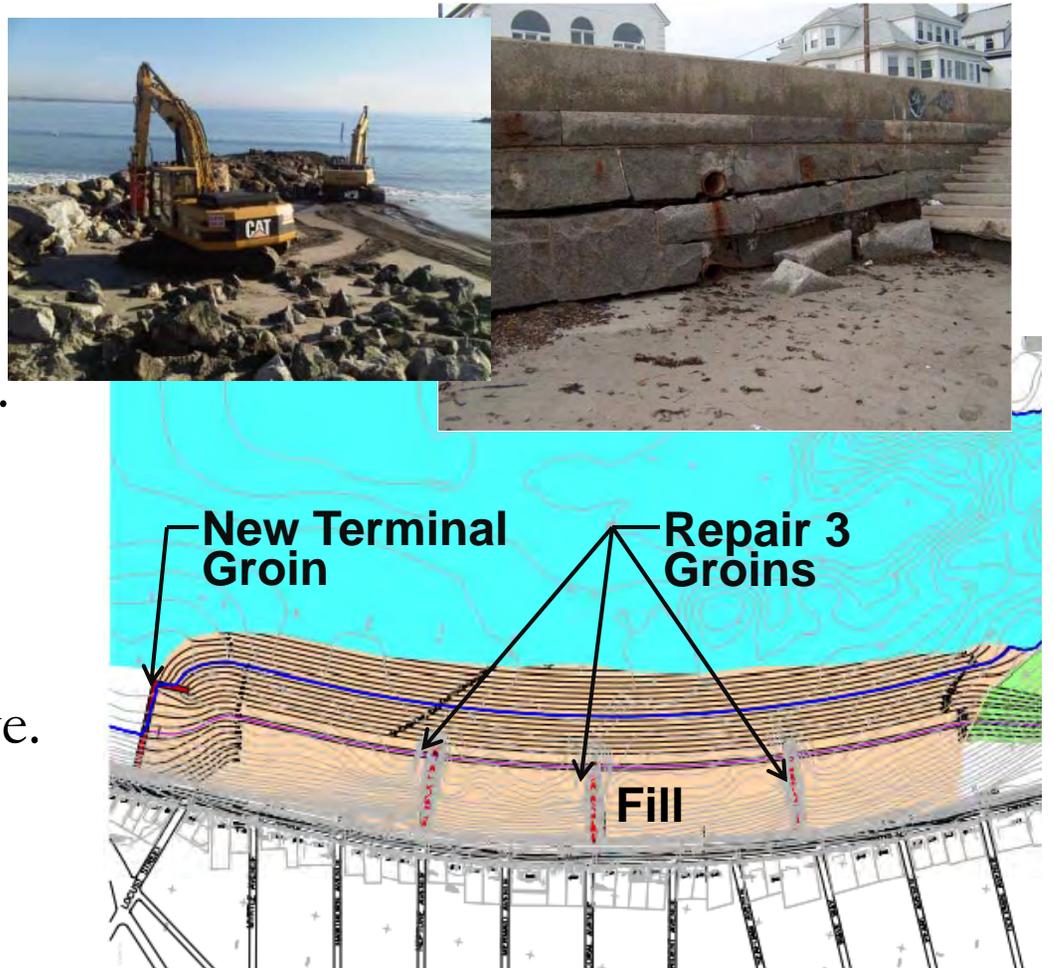


DCR Mission Statement

To protect, promote and enhance our common wealth of natural, cultural and recreational resources for the well being of all.

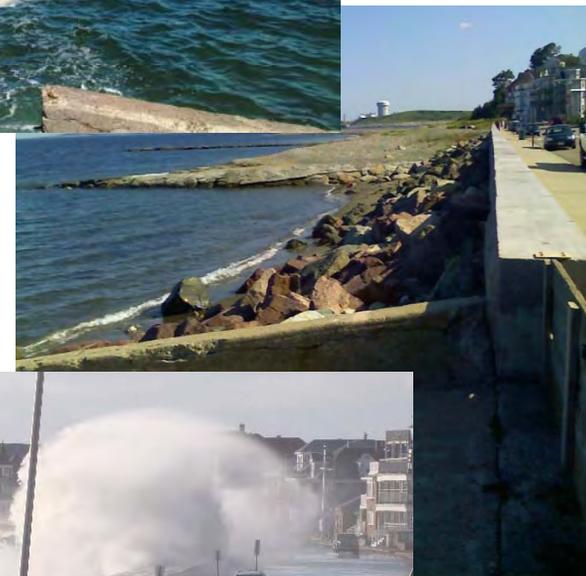
Phase 3 – North Nourishment

- Repair 3 Groins
- New Terminal Groin/Breakwater at Locust Street
- Repair Seawall at Pearl Av.
- Expand Crest Ave. Parking Lot
- Beach Nourishment: Locust Street to Cutler Ave.
- Truck Sand from Rumney Marsh in Saugus
- Restore Pearl Ave. Entrance



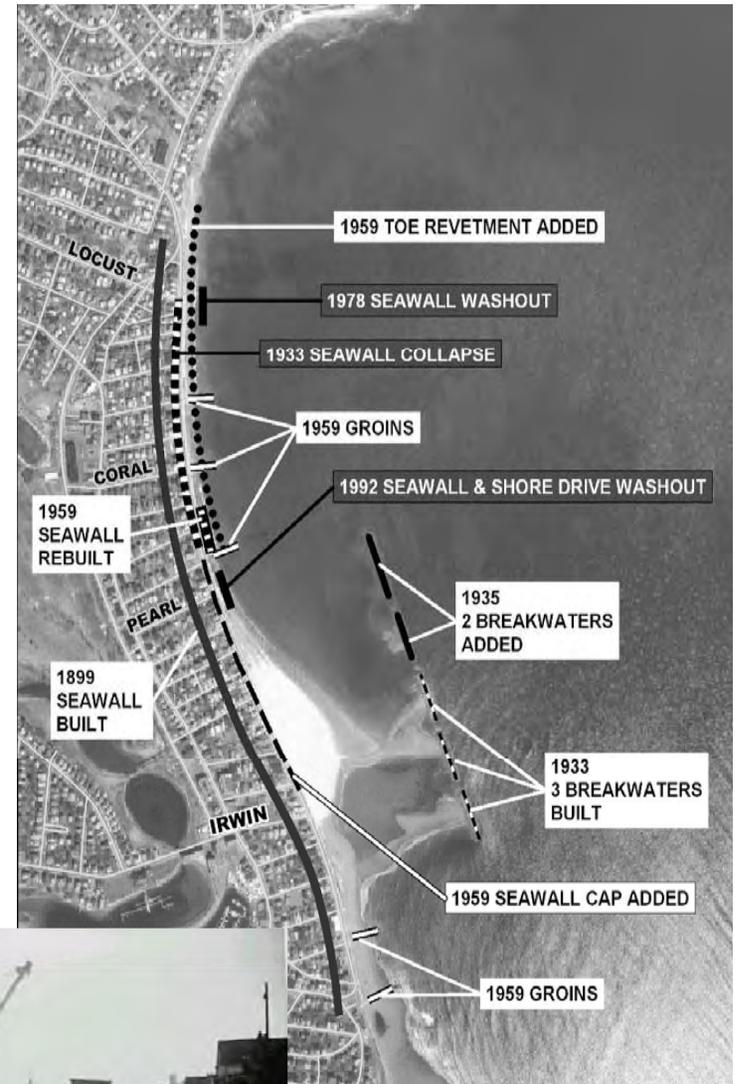
Winthrop Beach: Need for Beach Nourishment

- Natural sediment supply lost:
 - Seawalls and revetments
- Eroded Beach:
 - No high tide beach
 - Beach lowering
 - Seawall overtopping
- Seawall compromised
- Need for shore protection

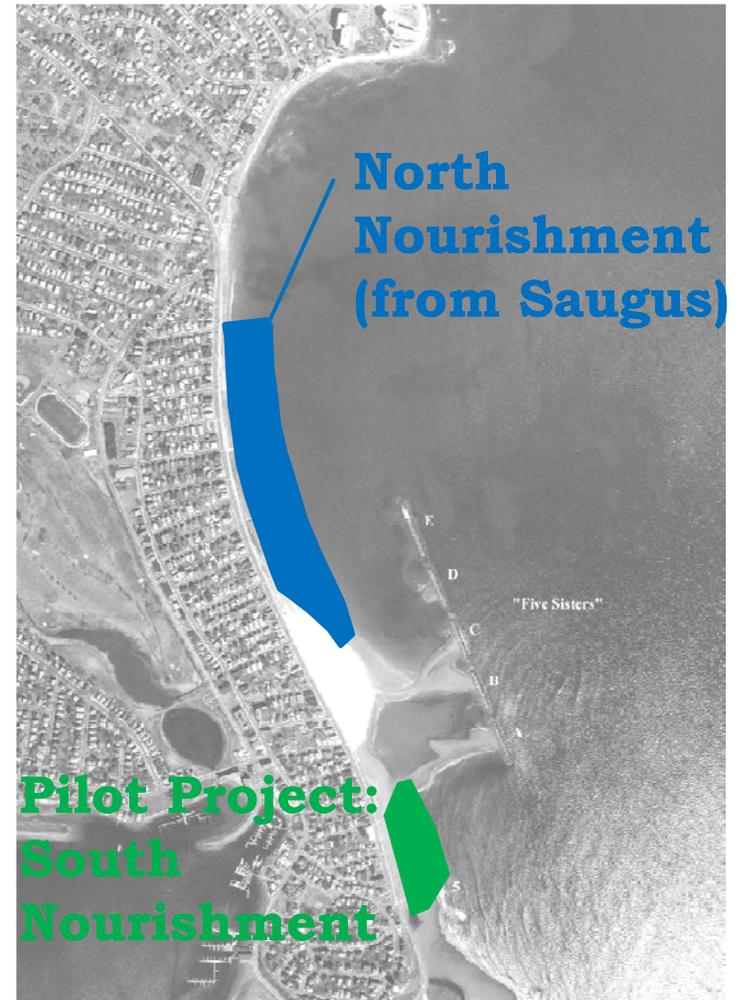
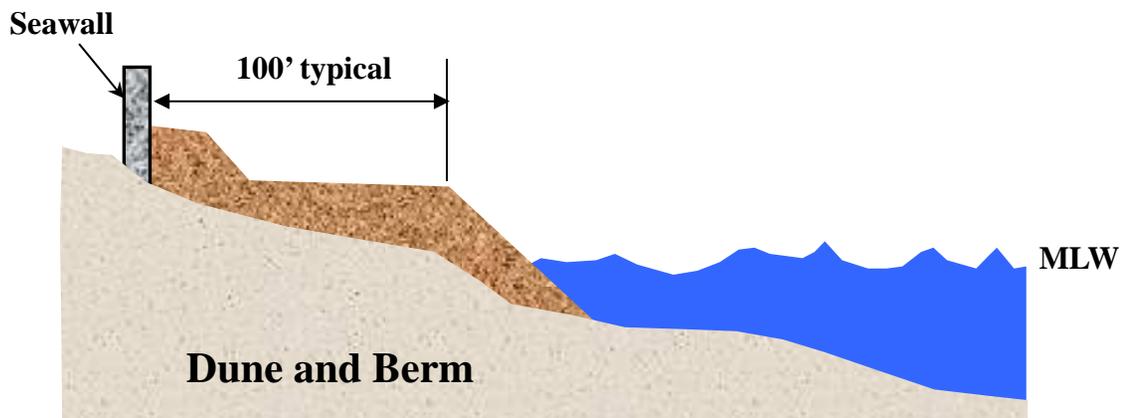
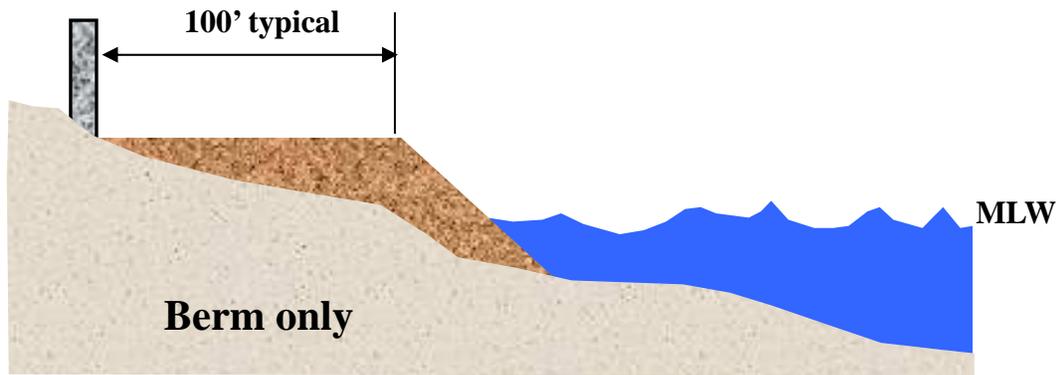


Storms, Damage & Shore Protection

- 1898: Portland Gale
- 1899: Seawall Constructed
- 1933: Seawall Collapse
- 1933 & 1935:
The Five Sisters
- 1959:
Groyne, Toe Revetment
& Seawall Cap
- 1978: Seawall Washout
- 1992: Shore Drive
Sinkhole



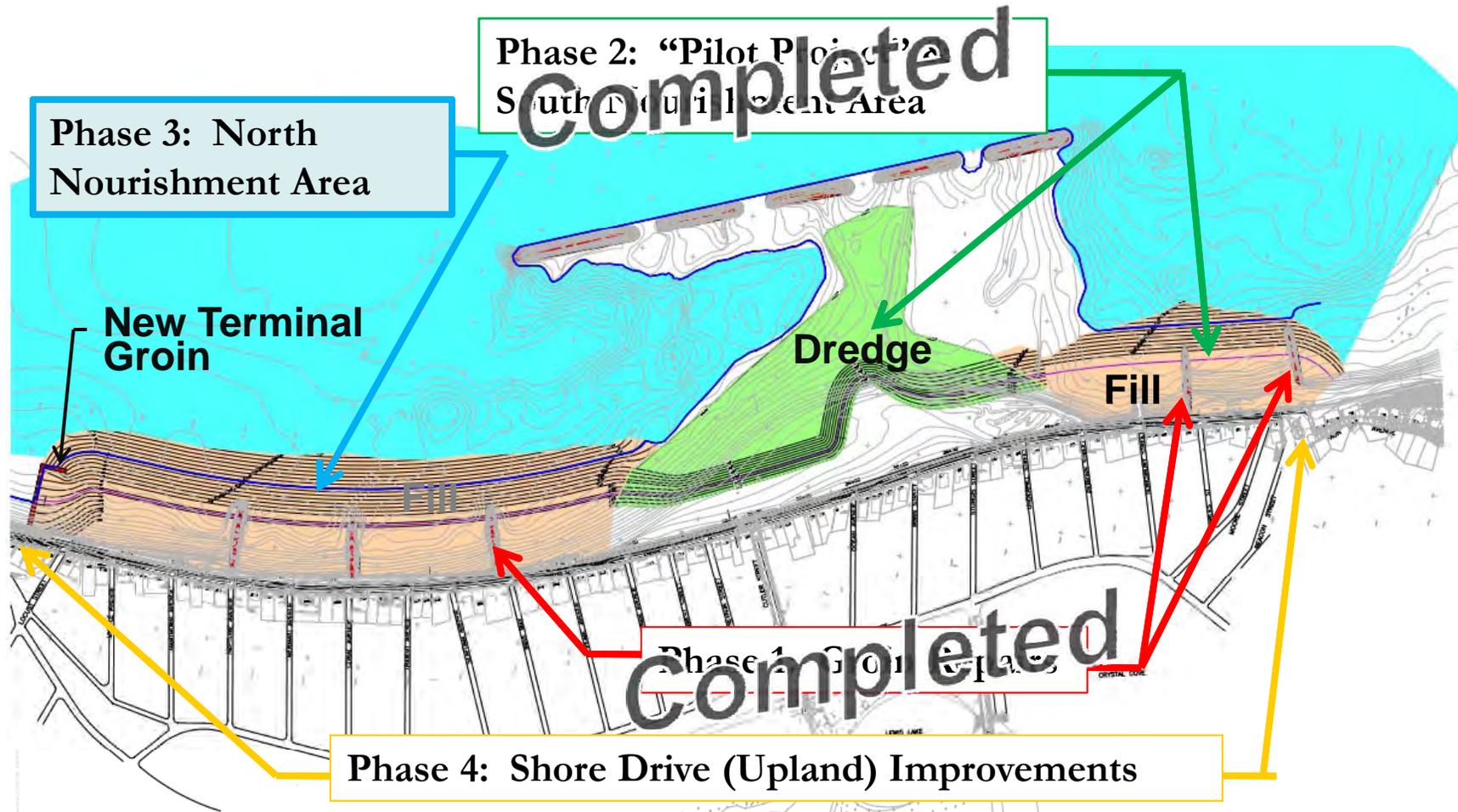
Winthrop Beach: The Solution Beach Nourishment



Winthrop Beach: The Solution Beach Nourishment

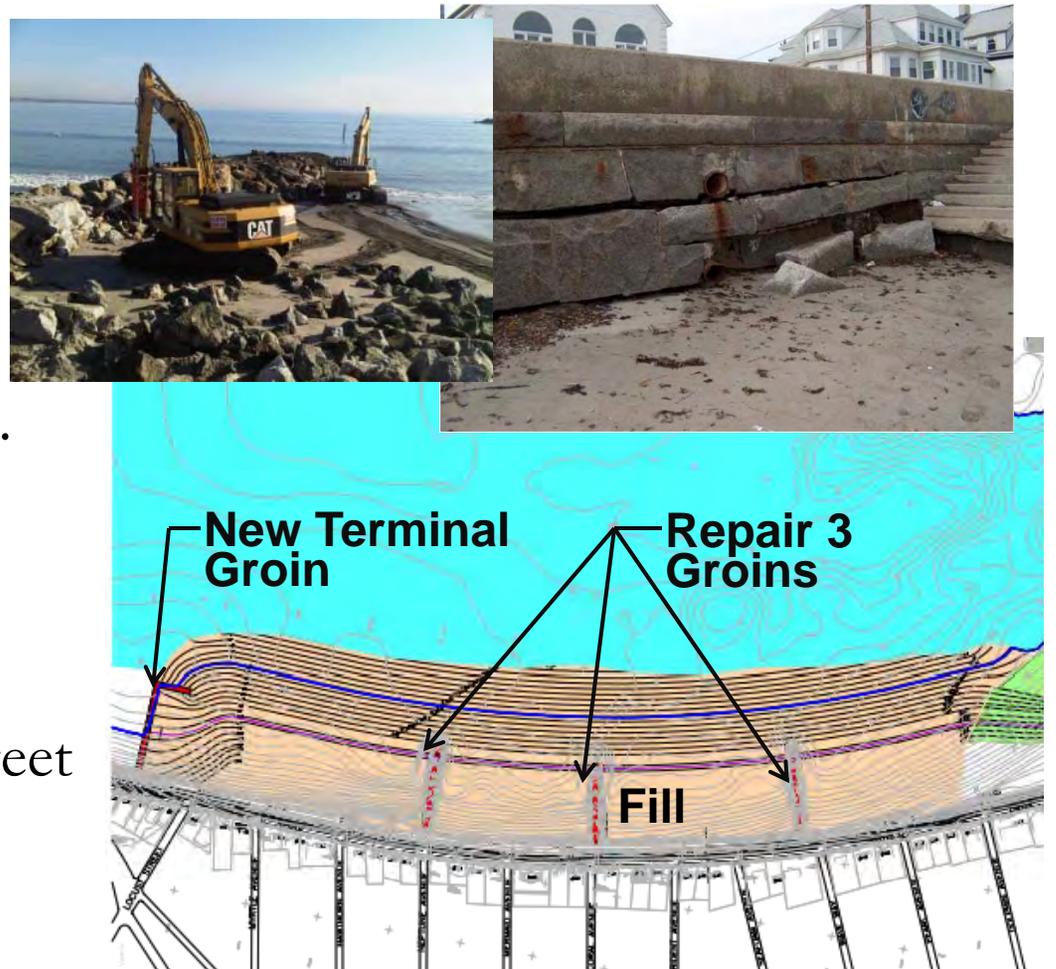


Project Phasing



Phase 3 – North Nourishment

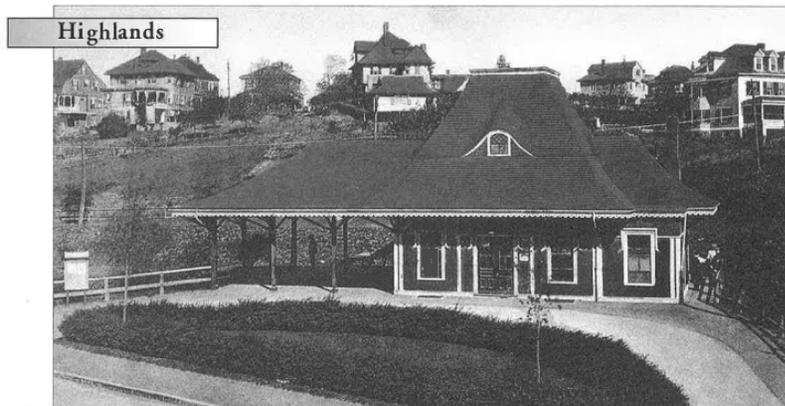
- Repair 3 Groins
- New Terminal Groin/Breakwater at Locust Street
- Repair Seawall at Pearl Av.
- Expand Crest Ave. Parking Lot
- Beach Nourishment: Locust Street to Cutler Street
- Truck Sand/Gravel from Rumney Marsh in Saugus



Phase 3 – North Nourishment

Expand Crest Ave. Parking Lot:

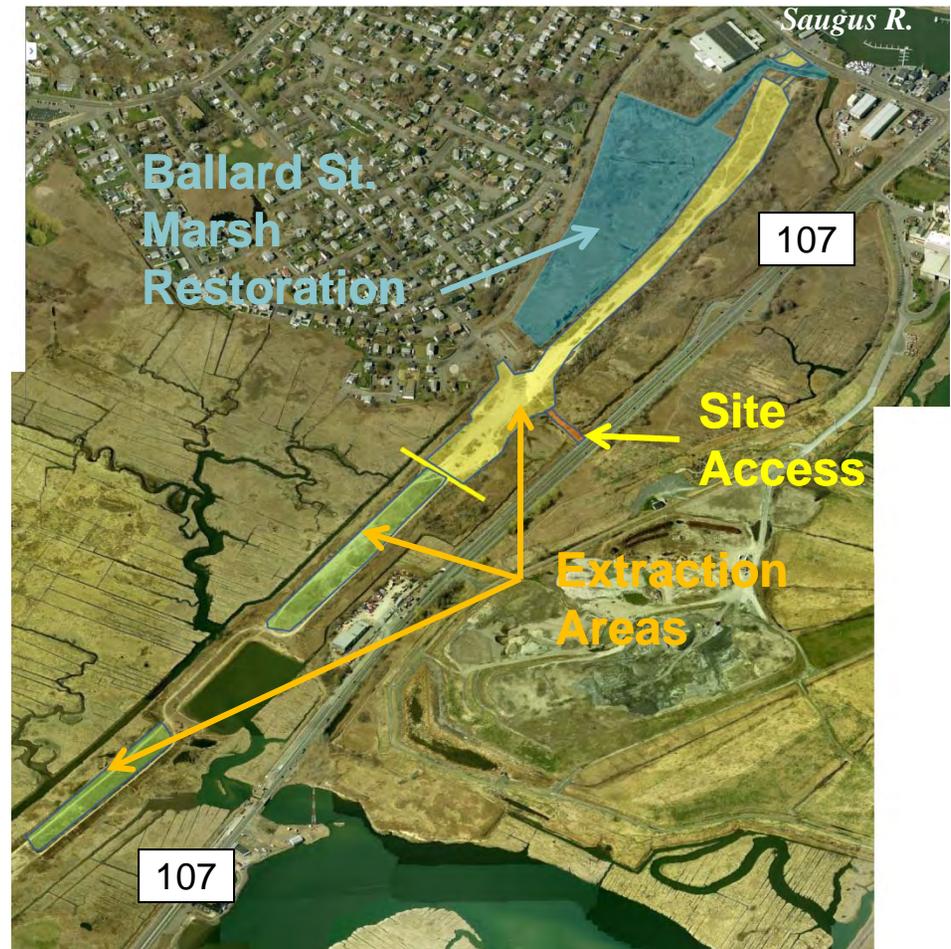
- Permanent addition
- Add approx. 25 spaces
- Rehabilitate playground
- Add historic interpretative plaque



Phase 3 – North Nourishment

Beach Nourishment – Saugus Borrow Site:

- Embankment placed in Rumney Marsh
- Extraction of material for marsh restoration
- Truck sand to Winthrop for beach nourishment

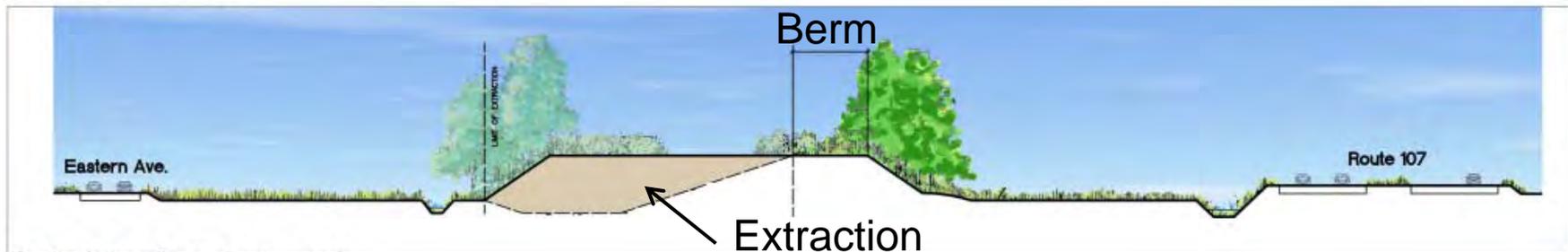


Phase 3 – North Nourishment

Saugus Borrow Site: Extraction & Marsh Restoration



Existing Landscape

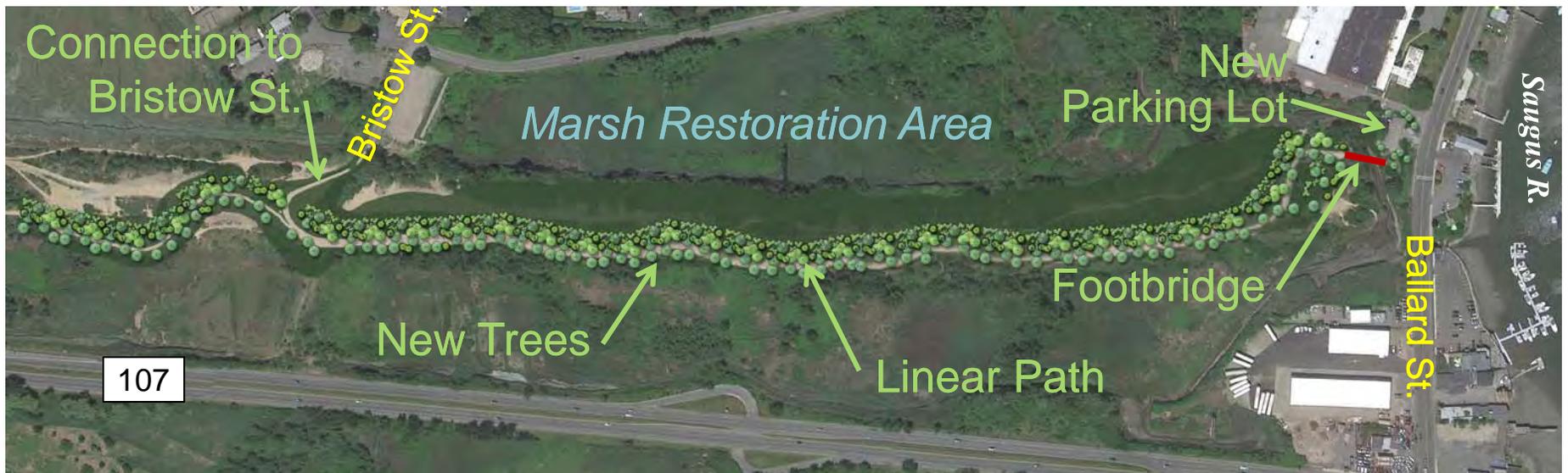


Typical Grading - Proposed



Phase 3 – North Nourishment

Saugus Borrow Site: Extraction & Marsh Restoration



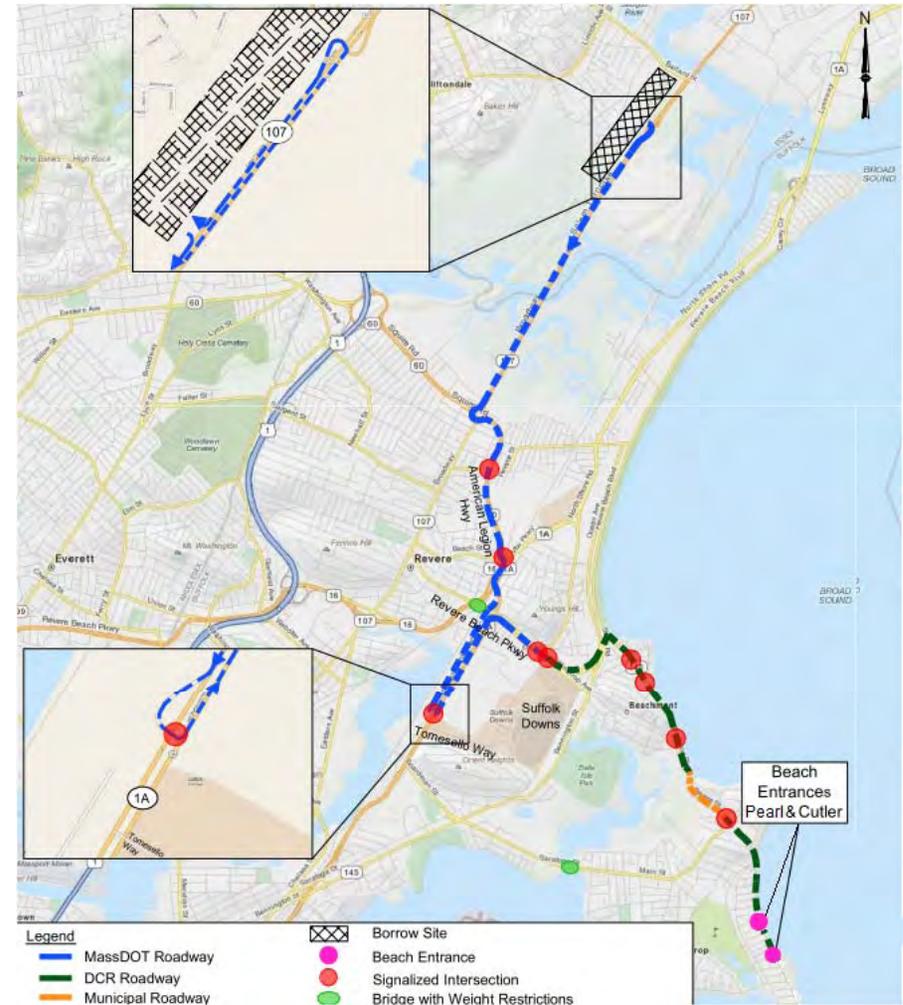
- Stabilized path along berm
- Planted slope on west side
- Footbridge to new parking at Ballard Street



Phase 3 – North Nourishment

Truck Route:

- Route 107
- Route 60 to Bell Circle
- Route 1A to Jughandle
- Revere Beach Parkway to Eliot Circle
- Winthrop Parkway
- Revere Street
- Crest Avenue
- Winthrop Shore Drive

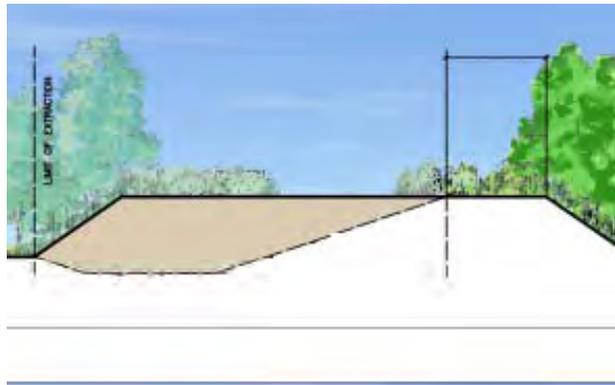


Phase 3 – North Nourishment Special Considerations

- Work hours: 7 am to 6 pm
- Sand truck hours: 9 am to 3 pm
- Noise control: must meet Town standards
- Dust control:
 - Fencing with fabric to contain blowing sand
 - Material will be kept wet
- Rodent control: expansion of program started in Phases 1 & 2
- Traffic mitigation:
 - Expand Crest Av. parking lot
 - No on-street parking Crest Ave. 9 am – 3 pm
 - Sand trucks in convoys from Saugus
 - Equipment will be kept on beach in fenced-in containment area
 - Minimal parking restrictions

Phase 3 – North Nourishment: Schedule

- Expand Crest Ave. Lot : Feb. – Mar. 2014
- Groin Repairs/New Groin: Mar. – Summer 2014
- Erosion Controls – Saugus Mar. 2014
- Excavation – Saugus Mar. 2014 – Summer 2015
- Begin Sand Trucking: Mar. 2014



Phase 3 – North Nourishment: Schedule

- Place Beach Material: Mar. 2014 – Summer 2015
- Saugus Restoration –
footbridge & parking lot Fall 2014
- Saugus Restoration –
path & landscaping: Summer - Fall 2015
- Seawall cap work: Summer – Fall 2015



Overall Project - Next Steps

- Phase 4 – Shore Drive Improvements:
 - Reconstruction of Shore Dr.
 - New Drainage
 - Beach Amenities
- Project Completed



Winthrop Beach – Phase 3 Questions and Answers



Additional Information

For more information, see

<http://www.mass.gov/eea/agencies/dcr/public-outreach/public-meetings/>

If you have questions or wish to report a concern, or you would like to be added to an email list to receive DCR general announcements,

email mass.parks@state.ma.us

call 617-626-4973

or write to the DCR Office of Community Relations, 251 Causeway Street, Suite 600, Boston, MA 02114.

Emergency Contact

- **Call 911**
- DCR Construction trailer
(7 am to 3 pm): 617-539-4957
- DCR Office of Community Relations: 617-626-4973