

**CITY OF LONG BEACH  
AND  
GOVERNOR'S OFFICE OF STORM  
RECOVERY (GOSR)  
NORTHSHORE BULKHEAD  
PROJECT  
THURSDAY, NOVEMBER 14, 2019  
@ 6:00 PM**

# Northshore Bulkhead Project-Scope

Three General Locations:

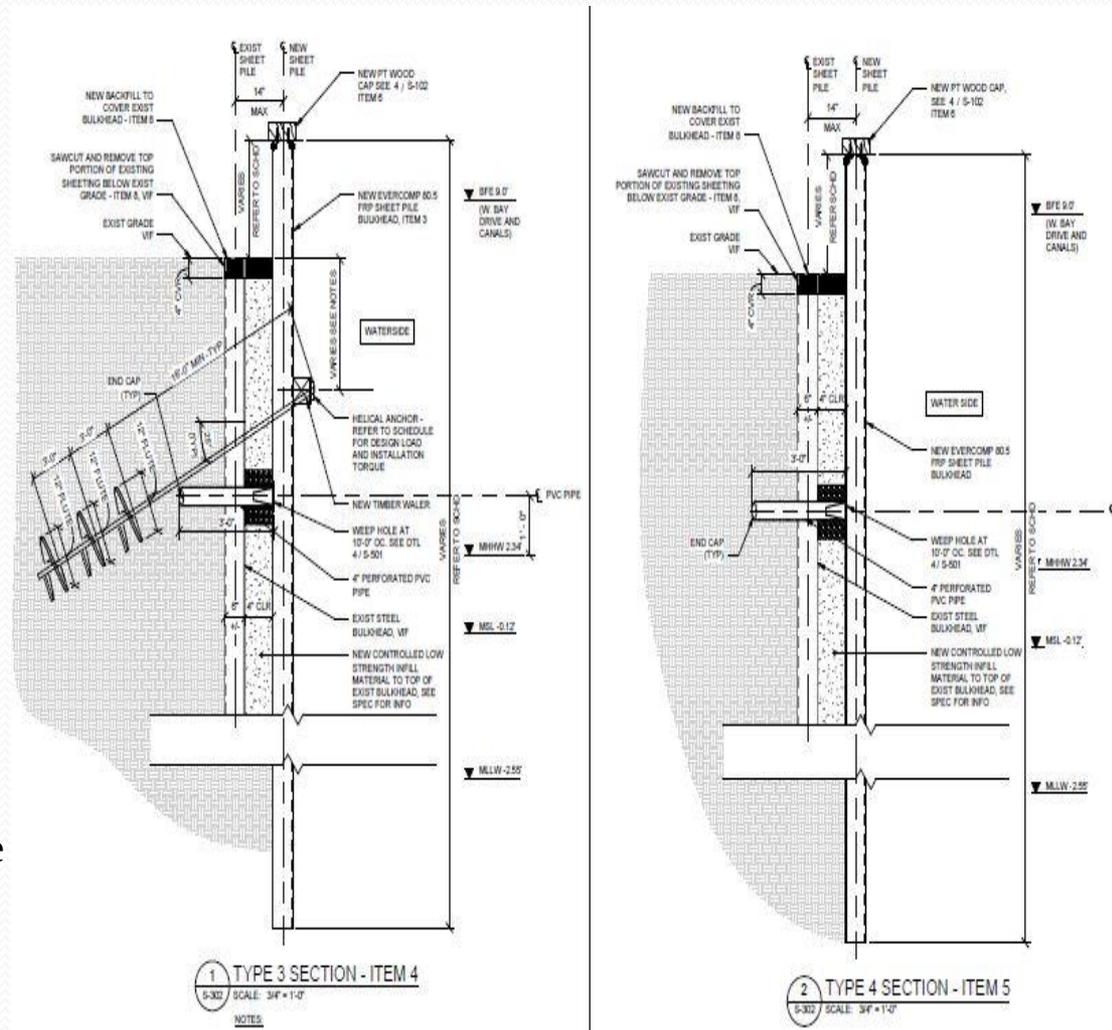
- Canal Area
- West Bay Drive and Lindell Blvd.
- West End (Northern Street Ends)

# Canal Area

- Doyle Street (Sarazen) Canal – Eastside – Chester to Bay
- Heron Street (Ouimet) Canal – Eastside – Chester to Bay

New FRP (Fiberglass Reinforced Plastic) Bulkhead to be installed in front of existing. New Height is the BFE (Base Flood Elevation).

To facilitate construction in these areas all structures in the waterway that parallel the bulkhead must be removed. All obstructions within a minimum of five (5) linear feet of the landward (eastside) of the bulkhead must be removed as well.





# West End

- North Street Ends at: Pennsylvania, Arizona, Delaware, Wyoming, Virginia, Tennessee, Minnesota, Maryland, Indiana, Georgia, Connecticut, and Ohio Avenue.

New FRP (Fiberglass Reinforced Plastic) Bulkhead to be installed in front of existing.

New Height is the BFE (Base Flood Elevation).

## BFE Defined

- FEMA defines the Base Flood Elevation (BFE) as the computed elevation to which the flood is anticipated to rise during the base flood. The base flood is also referred to as the 1-percent annual chance flood or 100-year flood.
- The 1-percent annual chance flood means that, statistically, there's a 1% chance every year that there will be a flood that looks like the one on the FEMA maps. But it could flood less, or more, or many times a year, or not at all.

# Why BFE Height Selected?

- In the project area the proposed height of the new bulkhead(s) is elevation 9.0' or 10.0' NAVD depending on the location of your home on the National Flood Insurance Program (NFIP) Rate Map.
- The height was recommended by the consulting firm working on our Northshore Critical Infrastructure Protection Project (\$20 million dollar FEMA 404 Mitigation Project)
- FEMA's *minimum* requirement for design elevations for any flood protection structure in a coastal floodplain is at or above the 100 year BFE.

# Bid Schedule

- Bids Received: Thursday, September 5, 2019
- Project Awarded: October 2, 2019
- Low Bidder: Woodstock Construction Corp., 41 Ludlam Avenue, Bayville, New York.
- Contract Price: \$9,906,260

# Tentative Construction Schedule

Woodstock has provided a tentative construction Schedule.

- Heron (Ouimet Canal)
  - Mobilize the week of November 18, 2019
  - Commence construction the week of December 2, 2019
- Doyle (Sarazen Canal)
  - Mobilize the week of January 6, 2020
  - Commence construction the week of January 13, 2020
- West Bay Drive between Washington and Magnolia Blvd.
  - Commence construction March 2020
- West End Street Ends
  - Commence construction April 2020

# Project Budget

Overall Project Budget: \$14,526,636

- Design, Construction Administration,  
& Inspection (Tetra-Tech) \$1,933,219
- Project Delivery and Administration  
(City Personnel) \$399,185
- Construction \$12,194,232

# Regulatory Agency Approvals Required

- New York State Department of Environmental Conservation (NYSDEC)
- U.S. Army Corp. Of Engineers (USACOE)
- Town of Hempstead
- New York State Department of State (NYSDOS)

# Derivation of Project Funding

- Funding for this Project is derived from the United States Department of Housing and Urban Development (HUD) Community Development Block Grant – Disaster Recovery (CDBG-DR) Program in New York State.
- In accordance with the HUD CDBG-DR Program:

**The City is not permitted to utilize public funds for Private Work.**

**Therefore, removal and/or reinstallation of any private structures, i.e., docks, decks, rails, fencing, planters, etc., that is obstructing construction is the responsibility of the adjacent homeowner.**

## Q & A

- What if I do not remove the structure(s) that are prohibiting construction?

The City will remove the structure(s) at the expense of the homeowner. The cost for the removal of any structures will be added to their taxes. The Contractor the City has retained is Woodstock Construction Corp. 516-922-9506.

- Can I utilize the services of the Contractor that is employed by the City to undertake the removal of structures that are prohibiting construction?

Yes. The respective homeowner can contact the City's Contractor to undertake private work. However, the City can take no part in this activity.

## Q & A

- Can I hire an independent contractor to remove the structure(s) that are prohibiting construction?

Yes. However, the Contractor must be licensed in the City of Long Beach. Confirmation can be obtained at the City Clerks Office.

# Q & A

- Who will reinstall the structure that is removed?

The homeowner is responsible to reinstall their structures at their expense.

What is the height of the new bulkhead?

The height of the bulkhead is the Base Flood Elevation which is 9' or 10' NAVD. This is approximately three to four feet higher than what exists.



For additional information please contact the following:

- City of Long Beach Department of Public Works  
516-431-1011

Thank you