

Muddy River Flood Damage Reduction Project  
Phase 2 Construction Activities Next 90 Days  
March 2021

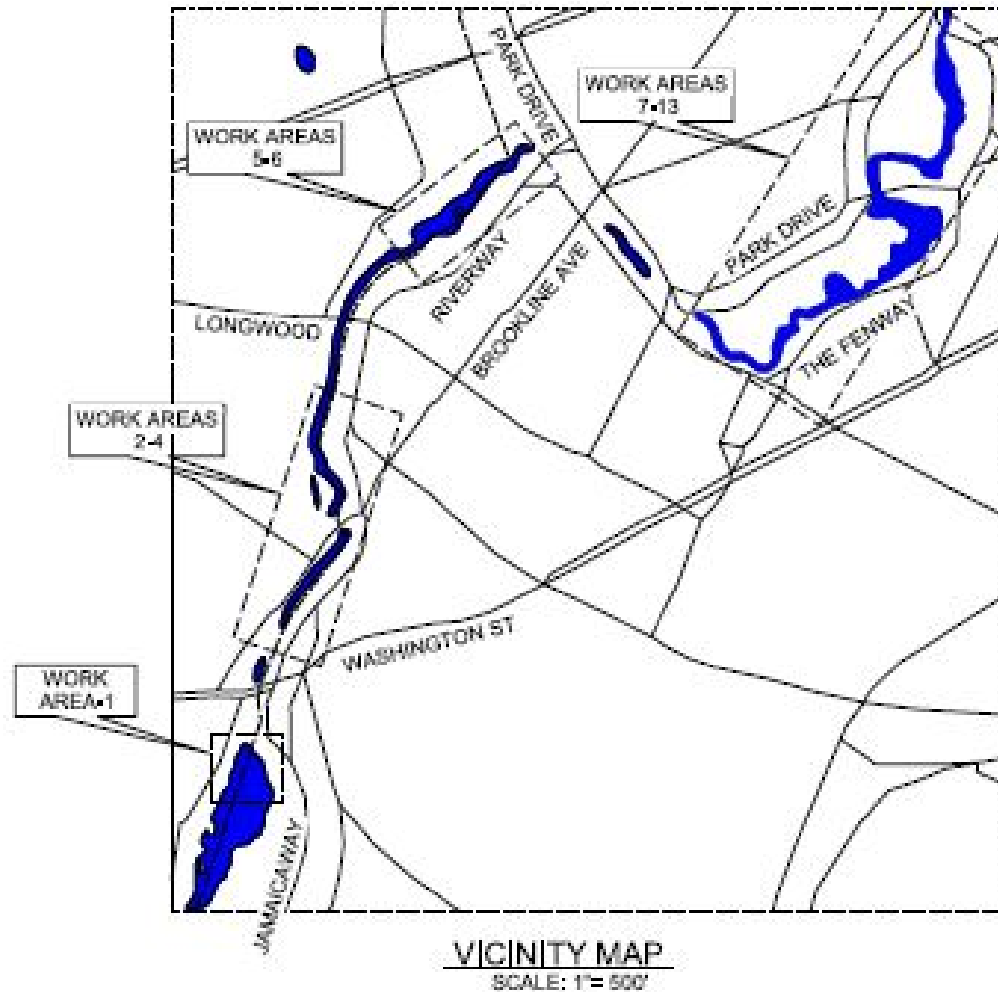
General: The Muddy River Flood Damage Reduction Phase 2 Construction Project is located in the footprint generally between Leverett Pond to Boylston Street in Boston and Brookline. The major project components involve dredging 1 to 8' of sediment for flow conveyance in the Back Bay Fens and Riverway sections of the Muddy River. It also includes excavation of the sandbar and island at Leverett Pond. Work also includes the removal of *phragmites* from the wetland and riparian areas which affect flow conveyance. After removal of river sediments and *phragmites*, preservation and restoration of the historic park shoreline in construction areas will consist of planting emergent wetland plants and restoring riparian vegetation in upland areas by planting trees and shrubs. This Notice is intended to identify the general construction activities that will be performed in the next 90 days. A figure that shows a typical flood control channel and the proposed improvements is at the end of this report.

**March 2021 through May 2021 Period:**

- Since the award of the construction contract and issuance of the Notice to Proceed a year ago, the contractor has been actively dredging the sediment from the river and properly disposing of the material at disposal facilities. Utilization of two crews working in different work areas has maximized productivity of dredged sediments.
- Dredging of the Muddy River is divided into 12 work areas as shown in the Vicinity Map, with 6 work areas upstream of Riverway and 6 work areas downstream of Avenue Louis Pasteur. Currently, the contractor is dredging in Work Area #3 and Work Area #9.
- **Work Area #2** – section of river at Brookline Avenue and Riverway – near Beth Israel Deaconess Hospital – the contractor completed dredging this section mid-February. Surveying was done in February to confirm new flood risk management cross sections. Since that time, materials and equipment in this area have been relocated to Work Area #3 for dredging and in preparation for planting and restoration in April to coincide with the planting window. Maintenance of the planting will begin immediately during the two-year plant guarantee period.
- **Work Area #3** – section of river at Brookline Avenue, Riverway, and Netherlands Road – near Beth Israel Deaconess Hospital – the contractor began dredging this section of the river early March and is expected to be complete with dredging in mid-March. Planting and restoration of Work Area #3 will begin following the plantings of Work Area #2. Maintenance of the planting will begin immediately during the two-year plant guarantee period.
- **Work Area #4** – section of river immediately downstream of Work Area #3 – as the dredging activities progresses in the upstream stretches, installation of temporary construction fencing began in early March in anticipation of dredging start in late March once dredging is complete in Work Area #3. Planting and restoration of Work Area #4 will begin following the plantings of Work Area #3. Maintenance of the planting will begin immediately during the two-year plant guarantee period.
- **Work Area #1** – Leverett Pond – Additional sampling has been completed and resultant test results have been reviewed. A revised dredge footprint has been engineered to address the recent information received. The expectation is to return to Work Area #1 after dredging is complete in Work Area #4. Dredging will begin early to mid-April.
- **Work Area #7** – section of river immediately downstream of Avenue Louis Pasteur – the contractor completed dredging this section at the end of December. Surveying was done in early January to confirm new flood risk management cross sections. Planting and restoration of Work Area #7 will begin in April to coincide with the planting window. Maintenance of the planting will begin immediately during the two-year plant guarantee period.
- **Work Area #8** – section of river immediately downstream of Work Area #7 – the contractor completed dredging this section before the end of February. Surveying was done in late February to confirm new flood risk management cross sections. Planting and restoration of Work

Area #8 will begin following the plantings of Work Area #7. Maintenance of the planting will begin immediately during the two-year plant guarantee period.

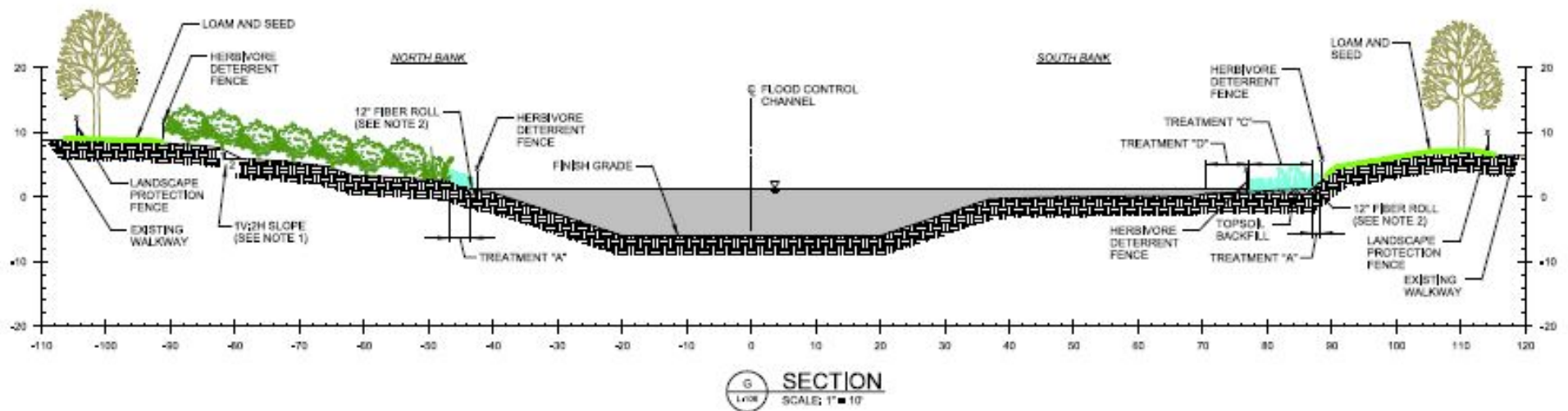
- **Work Area #9** – section of river immediately downstream of Work Area #8 – the contractor began dredging this section early March and will continue into late March. Planting and restoration of Work Area #9 will begin following the plantings of Work Area #8. Maintenance of the planting will begin immediately during the two-year plant guarantee period.
- **Work Area #10** – section of river immediately downstream of Work Area #9 which ends at Agassiz Road – dredging will begin immediately after Work Area #9 – likely running from mid-April and continue for several months. Work Area #10 has the largest quantity of dredged sediment to be removed at about 35,000cy.
- **Work Area #13** – Boston Fire Department Building in the vicinity of Fenway and Agassiz Road – Temporary construction fence installation began mid-March to start a new feature of work – the construction of the floodwall around the BFD building. Work activities will include demolition of the existing security fence and its footing and construction of a new floodwall and security fence, and a new underground pumping station. This work is expected to take one year.
- **Work Areas #11 and #12** – Victory Gardens Area – Temporary construction fence installation at the Victory Gardens began mid-January to allow for the construction of processing bins of the Central Processing Facility on the left bank of Work Area #11, to supplement the already constructed bins on the right bank near the Duck House. This was required due to the increase of daily dredged material production, necessitating additional bins to store the dredged sediment while it is dewatered and stabilized before the processed sediment is loaded and transported to the final disposal facility. These work areas will continue to see periodic activity as dredged material storage is required. However, dredging in the section of the river in these areas will likely begin much later this year or early in 2022.
- At the end of this notice we have included some pictures that show the construction progress at Work Area #3, the completed Work Area #7, the dredging at Work Area #9, and the sediment storage at Work Area #11. We thought folks would be interested in seeing the work occurring behind the fence.
- If you any questions, require additional information or would like to be added to the Project Contact List, please email the project mailbox at [MuddyRiver@usace.army.mil](mailto:MuddyRiver@usace.army.mil)



## EXTENTS OF PROJECT WORK AREA FOR PHASE 2 CONSTRUCTION



## REPRESENTATIVE FIGURE OF FLOOD CONTROL CHANNEL AND PROPOSED IMPROVEMENTS







Temporary access road and tree protection at Work Area #3 – looking up at Netherlands Road.





Construction of temporary access road at Work Area #3 on the left bank (looking downstream) of the river – for truck access to transport dredged sediments.





Work Area #7 (looking upstream to Avenue Louis Pasteur) – Dredging completed – sediment dredged from the river and temporary access road removed. Restoration and planting will begin on the banks in early April.





Amphibious excavator dredging at Work Area #9.





Amphibious excavator depositing dredged sediment into the off-road truck – Work Area #9.





Sediment storage bin at Work Area #11 – sediment naturally drying while stored in the bin.