

Muddy River Flood Damage Reduction Project  
Phase 2 Construction Activities Next 90 Days  
June 2022

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 the 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.

**July 2022 through September 2022 Period:**

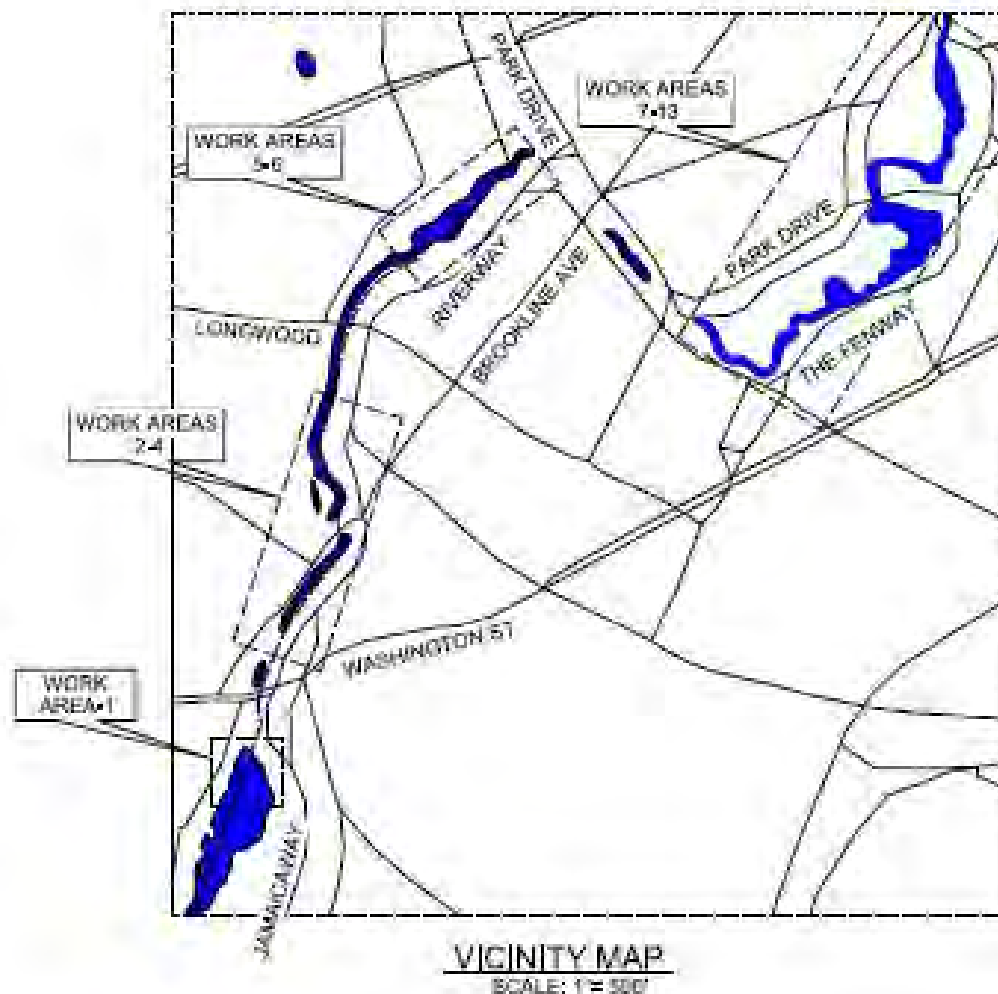
- Since the award of the construction contract and issuance of the Notice to Proceed over two years ago, the contractor has been actively dredging the sediment from the river and properly disposing of the material at disposal facilities. Utilization of two crews has maximized productivity of dredged sediments.
- Dredging of the Muddy River is divided into 12 work areas as shown in the Vicinity Map, with 6 work areas upstream of the Riverway and 6 work areas downstream of Ave. Louis Pasteur. At this time, the contractor is dredging in Work Area #6.
- **Work Area #2** – section of river at Brookline Avenue and the Riverway – near Beth Israel Deaconess Hospital – the contractor completed dredging this section mid-February 2021. Surveying was done in February to confirm new flood risk management cross sections. Since that time, a review of the as-dredged conditions has taken place to confirm plant locations and topsoil quality to optimize planting success. A collapsed drain was repaired this past winter which deferred planting of Work Area #2 to Spring 2022. Installation of herbivore fence, coir logs, and preparation of wetland shelves and shrub beds were completed in April. Trees and shrub beds were planted between early May into early June and seed for the lawn areas will go down this week. Maintenance of the planting will begin immediately during the two-year plant guarantee period.
- **Work Area #3** – section of river at Brookline Avenue, the Riverway, and Netherlands Road – near Beth Israel Deaconess Hospital – the contractor completed dredging this section late-March 2021. Surveying was done in May to confirm new flood risk management cross sections. Since that time, a review of the as-dredged conditions has taken place to confirm plant locations and topsoil quality to optimize planting success. All trees, upland planting, and seeding were completed in October 2021. Stonedust path restoration and landscape protection fence installation took place in mid-May. Wetland plants were installed late-May. Maintenance of the planting will continue to October 2023 during the two-year plant guarantee period.
- **Work Area #4** – section of river immediately downstream of Work Area #3, across Netherlands Road – the contractor completed dredging this section early April 2021. Surveying was done late May to confirm new flood risk management cross sections. Since that time, a review of the as-dredged conditions has taken place to confirm plant locations and topsoil quality to optimize planting success. All trees, upland planting, and seeding were completed in October 2021. Stonedust path restoration and landscape protection fence installation took place in mid-May. Maintenance of the planting will continue to October 2023 during the two-year plant guarantee period.
- **Work Area #1** – Leverett Pond – The contractor completed dredging the revised footprint in June 2021. Surveying was done in mid-July 2021 to confirm new flood risk management cross sections. The additional dredging work at the Village Brook Outfall requested by the Sponsors was completed and equipment demobilized mid-March 2022. Installation of herbivore fence and coir logs and preparation of shrub beds were completed in April. Trees and shrub beds were planted between early May into mid-June and seed for the lawn areas will

go down this week. Landscape protection fence installation will begin this week and continue into the first part of July. Maintenance of the planting will begin immediately during the two-year plant guarantee period.

- **Work Area #7** – section of river immediately downstream of Avenue Louis Pasteur – the contractor completed dredging this section at the end of December 2020. Surveying was done in early January 2021 to confirm new flood risk management cross sections. Since that time, a review of the as-dredged conditions has taken place to confirm plant locations and topsoil quality to optimize planting success. Grading of the site and wetland construction and all trees, upland planting, and seeding were completed by October 2021. Stonedust path restoration was completed late-November 2021. Maintenance of the planting will continue to October 2023 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 2021. Surveying was done in late February 2021 to confirm new flood risk management cross sections. Since that time, a review of the as-dredged conditions has taken place to confirm plant locations and topsoil quality to optimize planting success. Grading of the site and wetland construction and all trees, upland planting, and seeding were completed by October 2021. Stonedust path restoration was completed late-November 2021. Maintenance of the planting will continue to October 2023 during the two-year plant guarantee period.
- **Work Area #9** – section of river immediately downstream of Work Area #8 – the contractor completed dredging this section mid-April 2021. Surveying was done in late June 2021 to confirm new flood risk management cross sections. Since that time, a review of the as-dredged conditions has taken place to confirm plant locations and topsoil quality to optimize planting success. Grading of the site and wetland construction and all trees, upland planting, and seeding were completed by October 2021. Stonedust path restoration was completed late-November 2021. Maintenance of the planting will continue to October 2023 during the two-year plant guarantee period.
- **Work Area #10** – section of river immediately downstream of Work Area #9 which ends at Agassiz Road – the contractor completed dredging this section mid-December 2021. Surveying was done between July 2021 to January 2022 to confirm new flood risk management cross sections. The sediment processing bins were removed as part of the dredging efforts. Since that time, a review of the as-dredged conditions has taken place to confirm plant locations and topsoil quality to optimize planting success. Installation of herbivore fence, coir logs, and loam was completed mid-May. Trees and shrub beds were planted between early- into mid-May. Stonedust path restoration was completed mid-June. Maintenance of the planting will begin immediately during the two-year plant guarantee period.
- **Work Area #13** – Boston Fire Department Building in the vicinity of the Fenway and Agassiz Road – the pumps were installed December in the new pump station, as well as the new electrical panels in the existing fire department building. Granite veneer installation resumed in early April and all granite has been installed for the façade as well as the capstone. The new security fence posts have also been installed. Security fencing and security lights will be installed on top of the floodwall once the backfill and parking lot reconstruction is complete – expect to be mid- to late-July.
- **Work Areas #11 and #12** – Victory Gardens Area – dredging in the section of the river downstream of Agassiz Road Bridge began in late-December 2021 and was completed mid-May 2022. Installation of herbivore fence, coir logs, and preparation of wetland shelves began in mid-June and will continue into July. Planting and restoration of Work Areas #11 and #12 is expected to take place in the Fall 2022 to coincide with the planting window. Maintenance of the planting will begin immediately during the two-year plant guarantee period.
- **Work Areas #5 and #6** – section of river by Short Street Bridge to Back Bay Yard – near the intersection of Park Drive and Riverway – as the dredging activities resumes in the upstream stretches of the river, temporary construction fencing was installed in early March 2022. Mobilization of equipment and dredging of Work Area #5 took place late-April. Trees and shrubs were planted between early- to mid-June. Maintenance of the planting will begin immediately during the two-year plant guarantee period. In Work Area #6, dredging outside the MWRA easement area began late May and will continue into July. Expectation is to receive MWRA permit to dredge over the existing sewer lines to complete dredging this Fall. Planting and restoration of Work Area #6 will be determined once the MWRA permit is received and the schedule assessed to see where the dredging and planting work will fall.
- **Additional Phragmites Removal in Work Areas #5, #6, #11, and #12** – at the request of and the funding provided by the Sponsors, additional phragmites will be removed from within the footprint of Work Areas #5, #6, #11, and #12. The phragmites removal is not required for the Flood Risk Management project; however, the removal will provide additional environmental restoration benefits to the system as well as

provide maintenance benefits for the dredged channel. The permitting for the additional phragmites removal is complete for Work Areas #5 and #6 and will be complete for Work Areas #11 and #12 in July. The work for these work areas is expected to take place late-July into August. Planting and restoration for these areas where the phragmites is removed are expected to take place in Spring 2023.

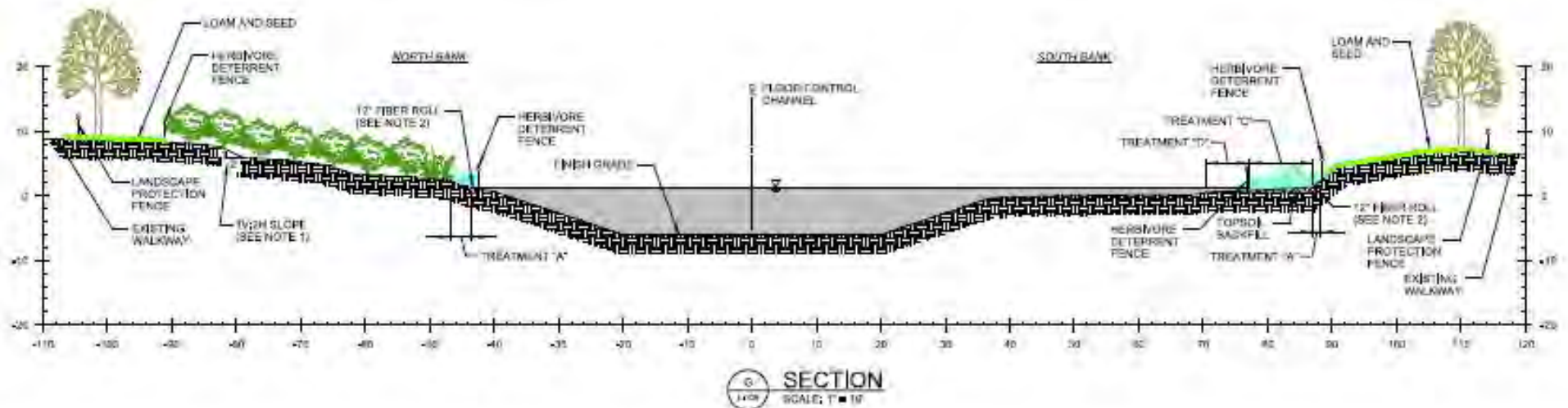
- At the end of this notice we have included some pictures that show the construction progress at Work Areas #10, #12, #13, #1, #2, #3, #5, and #6. We thought folks would be interested in seeing the work occurring behind the fence.
- If you any questions, require additional information or would like 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**







Work Area #10 – section of river immediately downstream of Work Area #9 which ends at Agassiz Road – herbivore fence, coir log, habitat log, and plantings installed as part of the restoration.





Work Area #12 – section of river upstream of Boylston Street Bridge. Area loamed and herbivore fence installed. Continue to prepare the area for plantings to be installed in the Fall 2022 window.





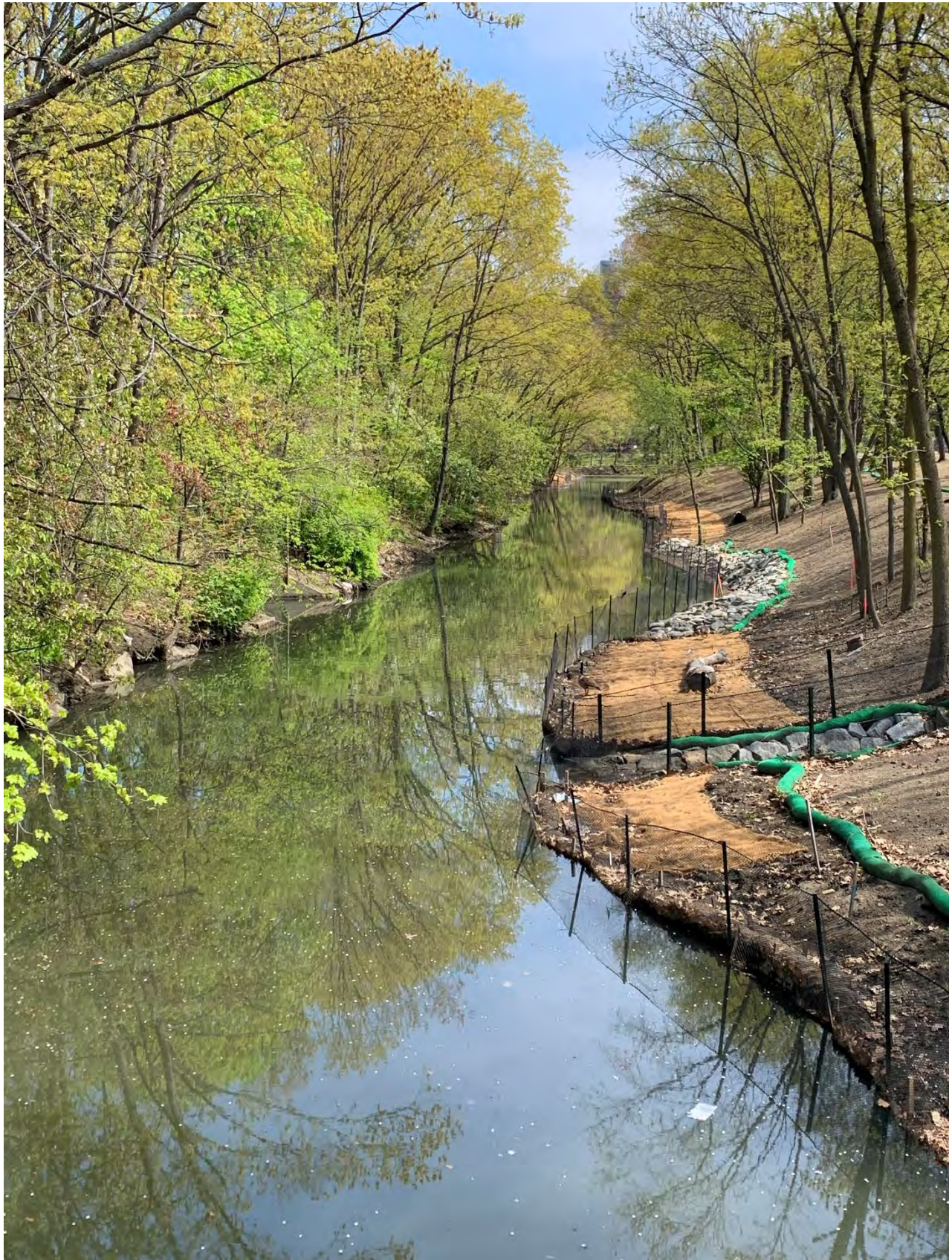
Work Area #13 – Boston Fire Department Building in the vicinity of the Fenway and Agassiz Road – granite veneer and capstone installed. Site backfilled at the south section of the constructed floodwall. Note the security fence post installed on top of the floodwall.





Work Area #1 – Leverett Pond – plantings installed during the Spring 2022 planting window.





Work Area #2 – section of river at Brookline Avenue and the Riverway – near Beth Israel Deaconess Hospital – bank cleared; wetland shelf constructed; herbivore fence and coir log installed; and loam placed – ready for plants to be installed. Mid-May 2022.





Work Area #2 – section of river at Brookline Avenue and the Riverway – near Beth Israel Deaconess Hospital – bank area planted. Early-June 2022.





Work Area #2 – section of river at Brookline Avenue and the Riverway – near Beth Israel Deaconess Hospital – bank area planted. Early-June 2022.





Work Area #3 – section of river at Brookline Avenue, the Riverway, and Netherlands Road – near Beth Israel Deaconess Hospital – stonedust pathway constructed and banks planted as part of the restoration.





Work Area #5 – section of river by Short Street Bridge – looking upstream at the bridge. Flood risk management channel dredged through the peninsula late April which created an island in the Muddy River. Plantings being installed early June on the bank.





Work Area #5 – section of river by Short Street Bridge – looking downstream from the bridge at the newly created island. Plantings being installed early June on the bank and on the island.





Work Area #6 – section of river by Short Street Bridge to Back Bay Yard – near the intersection of Park Drive and Riverway – upstream area outside of MWRA easement. Dredging of the flood risk management ongoing into July.