

SECTION 01010

SUMMARY OF WORK

PART 1 - GENERAL

1.01 PURPOSE

This project includes improvements to the drainage system around Nutts Pond as well as wetland restoration, replication and bank stabilization. All work locations are in the watershed of Nutts Pond located in the City of Manchester, NH as shown in Drawings C-1 through C-8.

1.02 EAST INLET FOREBAY

This project includes: the dredging, dewatering and disposal of sediment and bottom material that have accumulated in around the existing drainage outfall, the construction of a dual gabion forebay and formal maintenance access ways at the east inlet to Nutts Pond.

1.03 HENRY'S WETLAND DRAINAGE IMPROVEMENTS

This project includes: the excavation and installation of a grass lined forebay, the installation of a precast concrete diversion structure, a diversion pipe, a precast inlet structure, the construction of a riprap level spreader, wetland plantings, a precast outlet structure, a deep sump precast structure for further removal of stormwater sediments, the installation of a formal maintenance access and bank stabilization and erosion control around the smaller wetland located near the south inlet.

1.04 EAST INLET WETLAND RESTORATION AREA

The project includes: the dredging of accumulated sediments within a wetland areas to prevent further channelization of stormwater flows, the re-grading of wetland contours to improve water circulation and the installation of native wetland plants.

1.05 HENRY'S WETLAND REPLICATION AREA

The project includes: the re-grading of wetland contours to increase the size of the large wetland located near the south inlet as well as the installation of hydric soils and native wetland plants for replication of wetland impacts caused by drainage improvements around Nutts Pond.

1.06 NORTH AND SOUTH INLET UPGRADES

The project includes: the removal of concrete tops from the existing dissipation structures, the installation of precast tops with Bilco maintenance hatches, the installation of sluice gates over the inlet and outlet of the existing dissipation structures located at the North and South Inlets.

1.07 WEST BANK STABILIZATION (BID ALTERNATIVE)

The project includes: the removal of existing concrete blocks, installation of erosion control fabric, vegetative support material and native vegetation for bank stabilization as well as the installation of a formal access and park bench location along the west bank of Nutts Pond.

1.08 MARCH AVENUE DEEP SUMPS (BID ALTERNATIVE)

The project includes: the removal of a concrete drainage manhole and the installation of 8' I.D. precast concrete deep sump manholes within the drainage easement at Henry's Wetland or the March Avenue Right of Way.

PART 2 - PRODUCTS

Not Used

PART 3 - EXECUTION

The Scope of work under this contract shall be the dredging, construction of forebays, daylighting and wetland plantings as shown on the attached Drawings (C-1 through C-8) and described herein.

- A. The Contractor is responsible for identifying and locating all underground and above ground utilities and service lines prior to any below or above ground site alterations. The Contractor is responsible for notifying concerned utilities, at least 72 hours prior to excavation in the proximity of telephone, gas and electric utilities, by calling Dig Safe at 1-888-344-7233.
- B. The Contractor is responsible for all earthwork including clearing and grubbing, excavation, grading, and backfilling as shown on the Drawings and specified herein. Earthwork activities shall only occur within easements or property owned by the City of Manchester.
- C. The Contractor is responsible for the off-site disposal of all material generated during clearing and grubbing activities, excavations and other construction activities. All materials shall be disposed of at an approved site.
- D. Any ledge encountered during excavation that will interfere with the placement of specified devices or obtaining finished grades as specified on the Drawings will be brought to the attention of the Engineer. Any rock excavation will be performed in accordance with Section 02200 EARTHWORK.
- E. The Contractor shall be responsible for furnishing and installing all erosion control fabrics and plantings; furnishing and installing forebays; construction of energy dissipation structure; furnishing and installing wetland plantings. Connection of all structures shall be done in accordance with the manufacturer's specifications, and the specifications and Drawings contained herein. Installation will occur in both paved and unpaved areas as shown on the Drawings.

- F. The Contractor shall provide and maintain erosion control measures as shown on the Drawings and as specified herein at all locations prior to and during all construction activities.
- G. The Contractor is responsible for dewatering the project areas during construction activities and shall furnish all necessary equipment including pumps, piping, and sedimentation controls to conduct dewatering activities.
- H. The Contractor is responsible for returning the construction area and surrounding area to its pre-construction condition.
- I. The Contractor shall provide as-built drawings of each construction site.
- J. The Contractor is to perform the work of this contract in accordance with applicable State and Federal laws and regulations. In the event the Owner is required to pay any fines, administrative penalties or damages to anyone, including governmental agencies, due to the Contractor's failure to perform in accordance with this contract and/or regulations, the Contractor will indemnify and hold harmless the Owner and reimburse Owner for all such payments plus reasonable legal fees and expenses incurred.

END OF SECTION