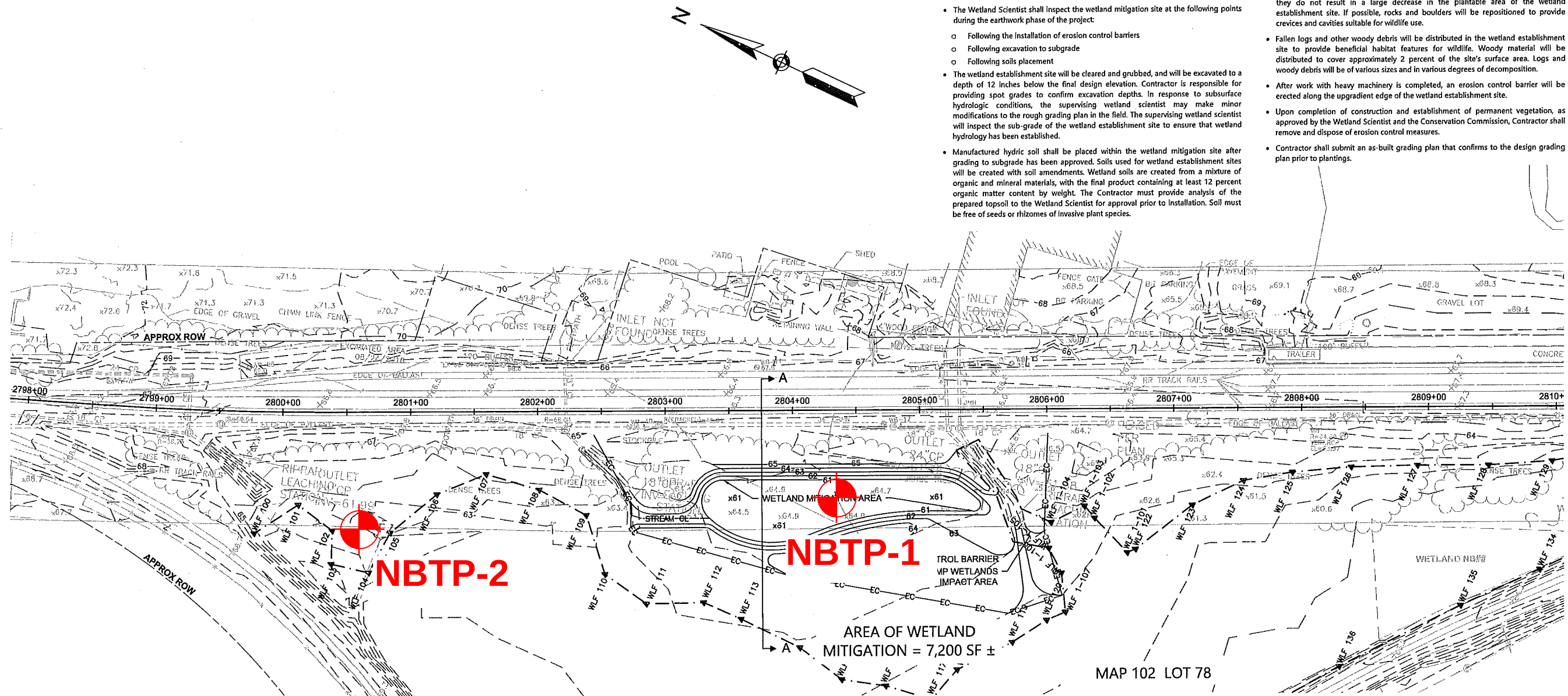


TEST PITS COMPLETED BY NEW
ENGLAND BORING AND LOGGED
BY JACOBS ENGINEERING.

- Before construction begins, an erosion control barrier will be erected around the entire proposed wetland replacement site, except the upgradient edge to allow machinery access to the site. The erosion control barrier prevents erosion of disturbed soils and sedimentation into the adjacent existing wetland areas.
- Contractor shall inspect and maintain erosion control measures on a weekly basis and within 24 hours of each storm event.
- No sediment or silt shall be discharged to the wetland at any time.
- No dewatering is permitted unless the Contractor prepares a dewatering plan that includes pumping water to an upland site with adequate sitation controls, and that plan is approved by the Conservation Commission.
- The Wetland Scientist shall inspect the wetland mitigation site at the following points during the earthwork phase of the project:
 - Following the installation of erosion control barriers
 - Following excavation to subgrade
 - Following soils placement
- The wetland establishment site will be cleared and grubbed, and will be excavated to a depth of 12 inches below the final design elevation. Contractor is responsible for providing spot grades to confirm excavation depths. In response to subsurface hydrologic conditions, the supervising wetland scientist may make minor modifications to the rough grading plan in the field. The supervising wetland scientist will inspect the sub-grade of the wetland establishment site to ensure that wetland hydrology has been established.
- Manufactured hydric soil shall be placed within the wetland mitigation site after grading to subgrade has been approved. Soils used for wetland establishment sites will be created with soil amendments. Wetland soils are created from a mixture of organic and mineral materials, with the final product containing at least 12 percent organic matter content by weight. The Contractor must provide analysis of the prepared topsoil to the Wetland Scientist for approval prior to installation. Soil must be free of seeds or rhizomes of invasive plant species.

- No soil used for creation of wetland soils will be taken from any area supporting invasive species. The project will not translocate or reuse potentially contaminated wetland soils from areas adjacent to the existing railroad.
- The wetland establishment site will then be backfilled with wetland soils that have either been translocated or created. Once the final topsoil is in place, it will be graded to achieve a topography to match the existing adjacent wetland, or to achieve topography of the target wetland cover type. A slight hummock/hollow microtopography simulates a natural substrate. Low spots will be created within the wetland establishment site to provide temporary ponding of surface waters.
- Rocks and boulders uncovered during the excavation may be left in place, provided they do not result in a large decrease in the plantable area of the wetland establishment site. If possible, rocks and boulders will be repositioned to provide crevices and cavities suitable for wildlife use.
- Fallen logs and other woody debris will be distributed in the wetland establishment site to provide beneficial habitat features for wildlife. Woody material will be distributed to cover approximately 2 percent of the site's surface area. Logs and woody debris will be of various sizes and in various degrees of decomposition.
- After work with heavy machinery is completed, an erosion control barrier will be erected along the upgradient edge of the wetland establishment site.
- Upon completion of construction and establishment of permanent vegetation, as approved by the Wetland Scientist and the Conservation Commission, Contractor shall remove and dispose of erosion control measures.
- Contractor shall submit an as-built grading plan that confirms to the design grading plan prior to plantings.



NOTICE OF INTENT SUBMISSION PLAN

	WETLAND REPLICATION GRADING PLAN
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SCALE: N/A
DATE : 12/13/2017
SHEET 7 OF 11

CITY ENGINEER: _____ DATE: _____

<i>NO</i>	<i>DATE</i>	<i>DESCRIPTION</i>	<i>BY</i>