

MEMORANDUM

TO: Northborough Conservation Commission

COPY: Frank Clare, Project Manager, DCAMM
James Matz, Environmental Project Manager, DCAMM
Jason Kruckas, Surplus Property Manager, DCAM

FROM: April Doroski, CPSS, Fuss & O'Neill;
Daniel LaFrance, PE, LSP, Fuss & O'Neill

DATE: December 9, 2021

RE: Site Stabilization Plan
Off Lyman Street, Northborough, Massachusetts
MassDEP File No: 247-118

Introduction

On December 2, 2021, the Town of Northborough Conservation Agent, Mia McDonald visited the access road off of Lyman Street (Northborough Parcel: 215-086.0-002-0000.0), hereafter referred to as 'Site'. In an email dated December 2, 2021 to representatives of the Division of Capital Asset Management & Maintenance (DCAMM; property owner), Fuss & O'Neill (Consultant), Atlantic Coast Dismantling (site Contractor), Ms. McDonald indicated observations of scour and sedimentation in wetland resource areas downstream of the culvert crossing resulting from the removal of beaver dam debris from the culvert and a subsequent release of water from the impounded system. Ms. McDonald issued a Stop Work order on the same day (December 2, 2021). Work immediately stopped within 100-feet of wetland resource areas, pending a meeting on-site and a plan to address the scour and deposition.

A follow-up site visit with Ms. McDonald, Westborough Conservation Commission Staff, DCAMM, and Fuss & O'Neill was conducted on December 7, 2021. During the site visit, Ms. McDonald requested the submittal of a Site Stabilization Plan, Summary of Impacts, and Restoration Plan, with the Site Stabilization Plan being a prerequisite for further work on the access road and points beyond. On behalf of DCAMM, Fuss & O'Neill is submitting this Site Stabilization Plan.

Site Stabilization Plan

The Site Stabilization Plan has been prepared based on discussions during the site visit, protection of wetland resource areas, and careful consideration of current site conditions. The construction sequence of the Site Stabilization Plan is described below and shown in Figure 1.

1. Install a turbidity curtain or a similar effective device within the channel downstream of the culvert.
2. Conduct a site visit with Ms. McDonald for approval of the turbidity curtain installation.
3. Remove the beaver debris on and adjacent to the access road. See Figure 1 for approximate locations. Properly dispose of beaver debris off-site or in upland areas outside of the 100-foot Buffer Zone.
4. Install jute mesh to stabilize slopes where beaver debris was removed.

MEMO- Site Stabilization Plan, Lyman Street, Northborough MA

December 9, 2021

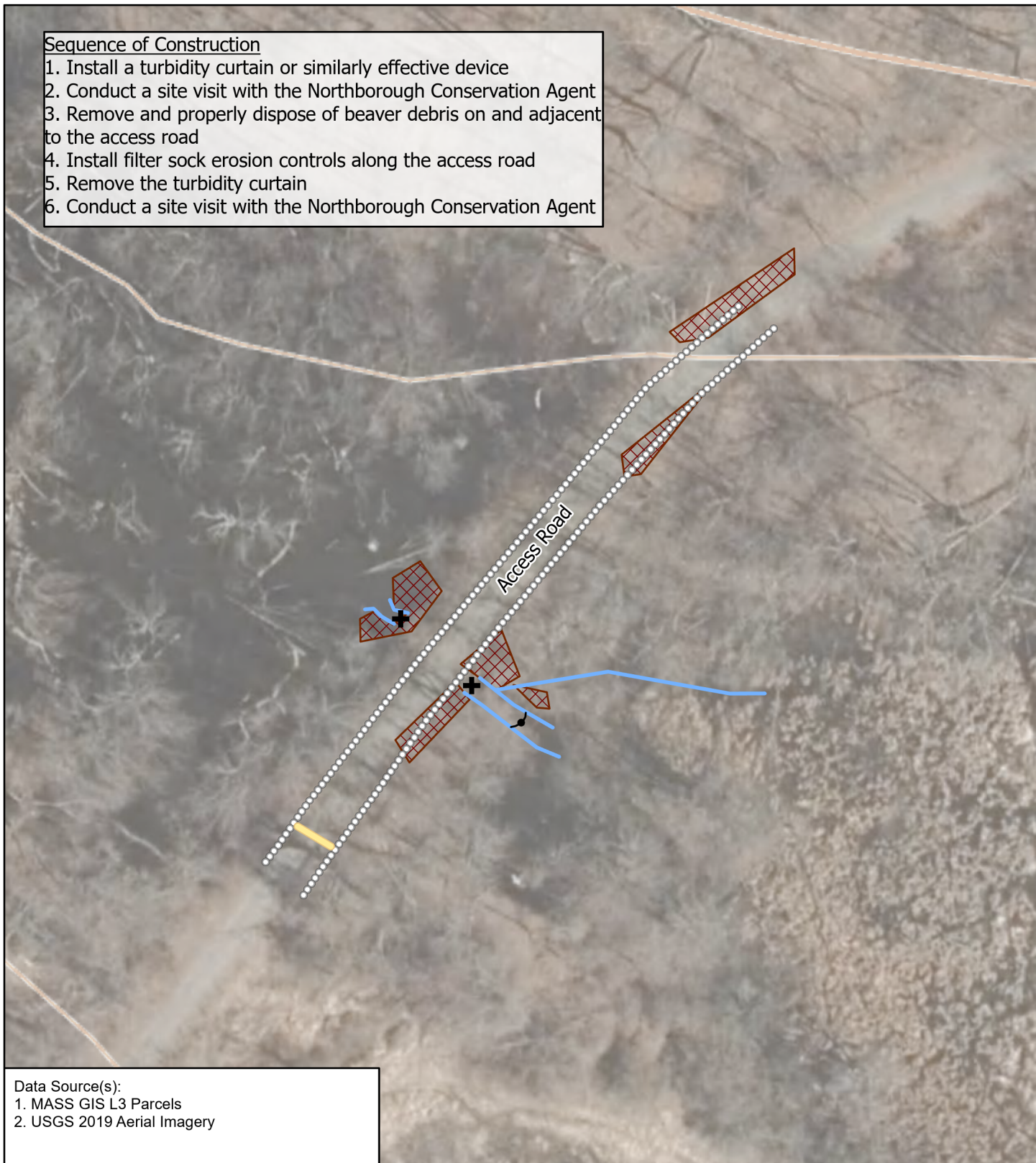
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5. Install filter socks along the access road.
6. Conduct a site visit with Ms. McDonald for approval prior to resuming use of the access road.
7. Maintain the turbidity curtain pending future restoration activities.

DCAMM respectfully requests the approval of this Site Stabilization Plan for stabilization activities to commence as soon as possible. As discussed during the December 7 site meeting and indicated above, a summary of impacts to the downstream system and a restoration plan will be prepared and submitted under separate cover.

Sequence of Construction

1. Install a turbidity curtain or similarly effective device
2. Conduct a site visit with the Northborough Conservation Agent
3. Remove and properly dispose of beaver debris on and adjacent to the access road
4. Install filter sock erosion controls along the access road
5. Remove the turbidity curtain
6. Conduct a site visit with the Northborough Conservation Agent



Data Source(s):
 1. MASS GIS L3 Parcels
 2. USGS 2019 Aerial Imagery



Beaver Debris	Turbidity Curtain
Bank	Erosion Control
Culvert	Gate

0 10 20 40 Feet

Site Stabilization Plan

0 Lyman Street
 (Parcel ID: 215-086.0-002-0000.0)
 Northborough Massachusetts

FUSS & O'NEILL 1550 Main Street, Suite 400 Springfield, MA 01103 413.452.0445 www.fando.com	Figure 1
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