

ENVIRONMENTAL MONITOR WEEKLY REPORT
WEEK ENDING **July 7, 2017**

Distribution

This report was sent to the following individuals via. e-mail:

Greg Kwon, *Resident Engineer* MADOT, Greg.Kwon@dot.state.ma.us
John Viens, *Site Superintendent*, D.W. White, jviens@dwwhite.com
Delia Kaye, *Natural Resources Director*, Town of Concord, dkaye@concordma.gov

The following individuals were also CC'd via e-mail:

Mark Cain, MADOT, mark.cain@dot.state.ma.us
Ann Roche, MADOT, ann.roche@state.ma.us
Tim Kelley, *Project Manager*, D.W. White, tkelley@dwwhite.com
Rich Kirby, *Environmental Monitor Team member*, LEC, RKirby@lecenvironmental.com

STATUS OF CONSTRUCTION

There was no work on July 3rd or 4th. Track removal continued Wednesday through Friday.

SITE SCHEDULE

Over the next two weeks, track removal and disposal will continue.

Next week, it is planned to begin the work at Powder Mill road culvert replacement. This work will require a road closure, earthwork, and stockpiling of material.

Trees will be cleared in the approved staging areas.

It is planned to finish tree clearing along the trail to White Pond

Temporary drainage will be installed as shown on sheet 152.

WEATHER

The weather station at Hanscom Airfield records and publishes real-time precipitation data (USGS 01100568). According to the weather station, one event greater than 0.25" occurred during the reporting period. On July 7th, 0.44" rain fell.

ORDER OF CONDITIONS

The following conditions were met during the reporting period:

Condition 17: It was observed that some of the wetland flagging around the Powder Mill road area was either not re-hung or had been removed by vandals. A survey crew has been scheduled to re-hang the wetland flags.

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Condition 35: In order to ensure stockpiling of materials is kept outside of the 100' buffer zone during the work at Powder Mill Road, a survey crew has been scheduled to demarcate the staging area. Once the staging area is prepared, erosion control will be installed at the perimeter.

Condition 39: Siltation barrier has been installed and consists of, at a minimum, a 12" straw wattle. Additional siltation barrier is planned to be installed at the staging areas at Powder Mill Road.

Condition 47: No machinery was observed being stored in the buffer zone.

PLANNED IMPACTED AREAS

The temporary drainage will require work within 25' of the wetland. There is no work proposed within the resource area and a siltation barrier is in place at the limit of work. This portion of the wetland consists of a drainage way that connects two BVW's. Water has only been observed in this location in response to storm events. When the work is completed, additional siltation barrier will be installed at the edge of the disturbed area, as shown on the plan.

SWPPP REPORTS

Copies of the reports are kept in the construction trailer. Copies of the reports are attached to this report.

GENERAL SUMMARY

Work at Powder Mill road will soon begin with associated earthwork. Measures to comply with requirements of the plans and the Order are under way.

SWPPP REPORTS

General Information
(see reverse for instructions)

Name of Project	Bruce Freeman Rail Trail	CGP Tracking No.	MAR10008B	Inspection Date	7/5/19
Inspector Name, Title & Contact Information	John Viens- Supt. D. W. White Construction, Inc., 867 Middle Rd. Acushnet, MA 02743, jviens@dwwhite.com, (774) 320-5830				
Present Phase of Construction	TRACK REMOVAL				
Inspection Location (if multiple inspections are required, specify location where this inspection is being conducted)	WILLIAMS RD + OLD MARLBORO RD.				

Inspection Frequency (Note: you may be subject to different inspection frequencies in different areas of the site. Check all that apply.)
Standard Frequency: Weekly Every 14 days and within 24 hours of a 0.25" rain

Increased Frequency: Every 7 days and within 24 hours of a 0.25" rain (for areas of sites discharging to sediment or nutrient-impaired waters or to waters designated as Tier 2, Tier 2.5, or Tier 3)

Reduced Frequency:

- Once per month (for stabilized areas)
- Once per month and within 24 hours of a 0.25" rain (for arid, semi-arid, or drought-stricken areas during seasonally dry periods or during drought)
- Once per month (for frozen conditions where earth-disturbing activities are being conducted)

Was this inspection triggered by a 0.25" storm event? Yes No

If yes, how did you determined whether a 0.25" storm event has occurred?

- Rain gauge on site
- Weather station representative of site. Specify weather station source:

HANSCOM AIR FORCE BASE

Total rainfall amount that triggered the inspection (in inches):

2.28"

Unsafe Conditions for Inspection

Did you determine that any portion of your site was unsafe for inspection per CGP Part 4.1.5? Yes No

If "Yes", complete the following:
 Describe the conditions that prevented you from conducting the inspection in this location:

- Location(s) where conditions were found:

Condition and Effectiveness of Erosion and Sediment (E&S) Controls (GGP Part 2.1)				
Type/Location of E&S Control [Add an additional sheet if necessary]	Repairs or Other Maintenance Needed?*	Corrective Action Required?*	Date on Which Maintenance or Corrective Action First Identified?	Notes
1. <i>ENTIRE SITE</i>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<i>MINOR REPAIRS TO TUBE @ NASUOBA BROOK BRIDGE WERE DONE 6/30/17</i>
2.	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
3.	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
4.	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
5.	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
6.	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
7.	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
8.	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
9.	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
10.	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		

* Note: The permit differentiates between conditions requiring repairs and maintenance, and those requiring corrective action. The permit requires maintenance in order to keep controls in effective operating condition and requires repairs if controls are not operating as intended. Corrective actions are triggered only for specific, more serious conditions, which include: 1) A required stormwater control was never installed, was installed incorrectly, or not in accordance with the requirements in Part 2 and/or 3; 2) You become aware that the stormwater controls you have installed and are maintaining are not effective enough for the requirements in applicable water quality standards or applicable requirements in Part 3.1; 3) One of the prohibited discharges in Part 2.3.1 is occurring or has occurred; or 4) EPA requires corrective actions as a result of a permit violation found during an inspection carried out under Part 4.2. If a condition on your site requires a corrective action, you must also fill out a corrective action form found at www.epa.gov/npdes/stormwater/swppp. See Part 5 of the permit for more information.

Condition and Effectiveness of Pollution Prevention (P2) Practices (CGP Part 2.3)

(See reverse for instructions)

Type/Location of P2 Practices [Add an additional sheet if necessary]	Repairs or Maintenance Needed?*	Corrective Action Required?*	Date on Which Maintenance or Corrective Action First Identified?	Notes
1.	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
2.	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
3.	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
4.	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
5.	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
6.	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
7.	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
8.	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
9.	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
10.	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		

* Note: The permit differentiates between conditions requiring repairs and maintenance, and those requiring corrective action. The permit requires maintenance in order to keep controls in effective operating condition and requires repairs if controls are not operating as intended. Corrective actions are triggered only for specific, more serious conditions, which include: 1) A required stormwater control was never installed, was installed incorrectly, or not in accordance with the requirements in Part 2 and/or 3; 2) You become aware that the stormwater controls you have installed and are maintaining are not effective enough for the discharge to meet applicable water quality standards or applicable requirements in Part 3.1; 3) One of the prohibited discharges in Part 2.3.1 is occurring or has occurred; or 4) EPA requires corrective actions as a result of a permit violation found during an inspection carried out under Part 4.2. If a condition on your site requires a corrective action, you must also fill out a corrective action form found at www.epa.gov/npdes/stormwater/swppp. See Part 5 of the permit for more information.

Stabilization of Exposed Soil (CPI Part 2.2) <small>(See reverse for instructions)</small>		
Stabilization Area [Add an additional sheet if necessary]	Stabilization Method	Notes
<p>1. N/A</p> <p>2.</p> <p>3.</p> <p>4.</p> <p>5.</p>	<p>N/A</p>	<p>Have You Initiated Stabilization?</p> <p><input type="checkbox"/> YES <input checked="" type="checkbox"/> NO If yes, provide date:</p> <p><input type="checkbox"/> YES <input type="checkbox"/> NO If yes, provide date:</p> <p><input type="checkbox"/> YES <input type="checkbox"/> NO If yes, provide date:</p> <p><input type="checkbox"/> YES <input type="checkbox"/> NO If yes, provide date:</p> <p><input type="checkbox"/> YES <input type="checkbox"/> NO If yes, provide date:</p> <p>None at this time</p>
Description of Discharges (CPI Part 4.1, 6.6) <small>(See reverse for instructions)</small>		
<p>Was a stormwater discharge or other discharge occurring from any part of your site at the time of the inspection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If "Yes", provide the following information for each point of discharge:</p>		
<p>Discharge Location [Add an additional sheet if necessary]</p> <p>1.</p>	<p>Observations</p>	<p>Describe the discharge:</p> <p>At points of discharge and the channels and banks of surface waters in the immediate vicinity, are there any visible signs of erosion and/or sediment accumulation that can be attributed to your discharge? <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If yes, describe what you see, specify the location(s) where these conditions were found, and indicate whether modification, maintenance, or corrective action is needed to resolve the issue:</p>
<p>2.</p>	<p>Describe the discharge:</p>	<p>At points of discharge and the channels and banks of surface waters in the immediate vicinity, are there any visible signs of erosion and/or sediment accumulation that can be attributed to your discharge? <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If yes, describe what you see, specify the location(s) where these conditions were found, and indicate whether modification, maintenance, or corrective action is needed to resolve the issue:</p>

Contractor or Subcontractor Certification and Signature
(see reverse for instructions)

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Signature of Contractor or Subcontractor: 

Printed Name and Affiliation: JOHN VENIS DW WHITEB CONST.

Date: 7/5/17

Certification and Signature by Permittee
(see reverse for instructions)

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

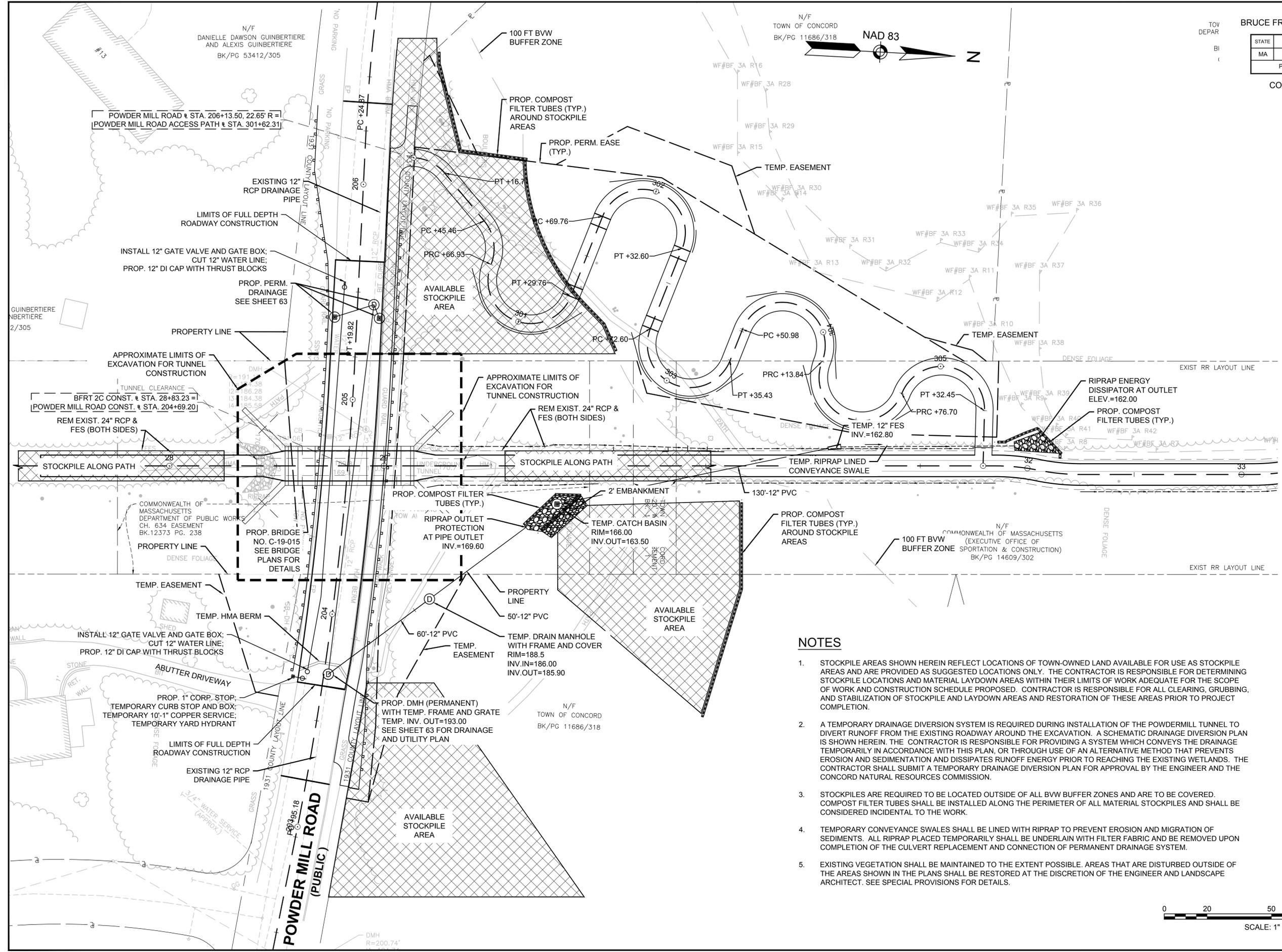
Signature of Permittee or "Duly Authorized Representative": _____

Printed Name and Affiliation: _____ Date: _____

SCHEDULE & PLANS

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CM-002S(910)X	152	227
PROJECT FILE NO.		605189	

CONSTRUCTION DETAILS
STAGING PLAN



NOTES

1. STOCKPILE AREAS SHOWN HEREIN REFLECT LOCATIONS OF TOWN-OWNED LAND AVAILABLE FOR USE AS STOCKPILE AREAS AND ARE PROVIDED AS SUGGESTED LOCATIONS ONLY. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING STOCKPILE LOCATIONS AND MATERIAL LAYDOWN AREAS WITHIN THEIR LIMITS OF WORK ADEQUATE FOR THE SCOPE OF WORK AND CONSTRUCTION SCHEDULE PROPOSED. CONTRACTOR IS RESPONSIBLE FOR ALL CLEARING, GRUBBING, AND STABILIZATION OF STOCKPILE AND LAYDOWN AREAS AND RESTORATION OF THESE AREAS PRIOR TO PROJECT COMPLETION.
2. A TEMPORARY DRAINAGE DIVERSION SYSTEM IS REQUIRED DURING INSTALLATION OF THE POWDERMILL TUNNEL TO DIVERT RUNOFF FROM THE EXISTING ROADWAY AROUND THE EXCAVATION. A SCHEMATIC DRAINAGE DIVERSION PLAN IS SHOWN HEREIN. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING A SYSTEM WHICH CONVEYS THE DRAINAGE TEMPORARILY IN ACCORDANCE WITH THIS PLAN, OR THROUGH USE OF AN ALTERNATIVE METHOD THAT PREVENTS EROSION AND SEDIMENTATION AND DISSIPATES RUNOFF ENERGY PRIOR TO REACHING THE EXISTING WETLANDS. THE CONTRACTOR SHALL SUBMIT A TEMPORARY DRAINAGE DIVERSION PLAN FOR APPROVAL BY THE ENGINEER AND THE CONCORD NATURAL RESOURCES COMMISSION.
3. STOCKPILES ARE REQUIRED TO BE LOCATED OUTSIDE OF ALL BVW BUFFER ZONES AND ARE TO BE COVERED. COMPOST FILTER TUBES SHALL BE INSTALLED ALONG THE PERIMETER OF ALL MATERIAL STOCKPILES AND SHALL BE CONSIDERED INCIDENTAL TO THE WORK.
4. TEMPORARY CONVEYANCE SWALES SHALL BE LINED WITH RIPRAP TO PREVENT EROSION AND MIGRATION OF SEDIMENTS. ALL RIPRAP PLACED TEMPORARILY SHALL BE UNDERLAIN WITH FILTER FABRIC AND BE REMOVED UPON COMPLETION OF THE CULVERT REPLACEMENT AND CONNECTION OF PERMANENT DRAINAGE SYSTEM.
5. EXISTING VEGETATION SHALL BE MAINTAINED TO THE EXTENT POSSIBLE. AREAS THAT ARE DISTURBED OUTSIDE OF THE AREAS SHOWN IN THE PLANS SHALL BE RESTORED AT THE DISCRETION OF THE ENGINEER AND LANDSCAPE ARCHITECT. SEE SPECIAL PROVISIONS FOR DETAILS.

