

Stormwater Pollution Prevention Plan (SWPPP)

For Construction Activities At:

Cranberry Highway/Popeyes
2404 Cranberry Highway
Wareham, MA 02571

SWPPP Prepared For:

The Parikh Network
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Estimated Project Dates:

Project Start Date: Spring 2023

Project Completion Date: Summer 2024

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SECTION 1: CONTACT INFORMATION/RESPONSIBLE PARTIES

1.1 Operator(s) / Subcontractor(s)

Instructions (see definition of "operator" at CGP Part 1.1.1):

- Identify the operator(s) who will be engaged in construction activities at the site. Indicate respective responsibilities, where appropriate. Also include the 24-hour emergency contact.
- List subcontractors expected to work on-site. Notify subcontractors of stormwater requirements applicable to their work.
- Consider using Subcontractor Agreements such as the type included as a sample in Appendix G of the Template.

Operator(s):

TO BE DETERMINED PRIOR TO START OF CONSTRUCTION

Insert Name

Insert Address

Insert City, State, Zip Code

Insert Telephone Number

Insert Fax/Email

Insert area of control (if more than one operator at site)

Subcontractor(s):

TO BE DETERMINED PRIOR TO START OF CONSTRUCTION

Insert Name

Insert Address

Insert City, State, Zip Code

Insert Telephone Number

Insert Fax/Email

Insert area of control (if more than one operator at site)

Emergency 24-Hour Contact:

TO BE DETERMINED PRIOR TO START OF CONSTRUCTION

Insert Name

Insert Telephone Number

1.2 Stormwater Team

Instructions (see CGP Part 7.2.2):

- Identify the individuals (by name or position) that are part of the project's stormwater team, their individual responsibilities, and which members are responsible for inspections. At a minimum the stormwater team is comprised of individuals who are responsible for overseeing the development of the SWPPP, any later modifications to it, and for compliance with the permit requirements (i.e., installing and maintaining stormwater controls, conducting site inspections, and taking corrective actions where required).
- Each member of the stormwater team must have ready access to either an electronic or paper copy of applicable portions of the 2017 CGP and the SWPPP.

Stormwater Team		
Name and/or position, and contact	Responsibilities	I Have Read the CGP and Understand the Applicable Requirements
Leonard R. Bradley Jr. DiPrete Engineering Principal 401-949-1000 lbradley@diprete-eng.com	Oversee design and preparation of SWPPP	<input checked="" type="checkbox"/> Yes Date: 3/9/2023
TO BE DETERMINED Insert Position Insert Telephone Number Insert Email	Installing and maintaining controls in compliance with permit requirements; install corrective actions as needed.	<input type="checkbox"/> Yes Date: Click here to enter a date.
TO BE DETERMINED Insert Position Insert Telephone Number Insert Email	Conduct site inspections	<input type="checkbox"/> Yes Date: Click here to enter a date.

SECTION 2: SITE EVALUATION, ASSESSMENT, AND PLANNING

2.1 Project/Site Information

Instructions (see "Project/Site Information" section of Appendix J – NOI form):

- In this section, you are asked to compile basic site information that will be helpful when you file your NOI.

Project Name and Address

Project/Site Name: Cranberry Highway

Project Street/Location: 2404 Cranberry Highway

City: Wareham

State: Massachusetts

ZIP Code: 02571

County or Similar Subdivision: Plymouth County

Business days and hours for the project: TBD

Project Latitude/Longitude

Latitude: 41.782084° N
(decimal degrees)

Longitude: - 70.743958 ° W
(decimal degrees)

Latitude/longitude data source:

☐ Map ☐ GPS ☒ Other (please specify): Google Maps

Horizontal Reference Datum:

☐ NAD 27 ☒ NAD 83 ☐ WGS 84

Additional Project Information

Are you requesting permit coverage as a "federal operator" as defined in [Appendix A](#) of the 2017 CGP? ☐ Yes ☒ No

Is the project/site located on Indian country lands, or located on a property of religious or cultural significance to an Indian tribe? ☐ Yes ☒ No

If yes, provide the name of the Indian tribe associated with the area of Indian country (including the name of Indian reservation if applicable), or if not in Indian country, provide the name of the Indian tribe associated with the property: N/A

If you are conducting earth-disturbing activities in response to a public emergency, document the cause of the public emergency (e.g., *natural disaster, extreme flooding conditions*), information substantiating its occurrence (e.g., *state disaster declaration*), and a description of the construction necessary to reestablish effective public services: [N/A](#)

2.2 Discharge Information

Instructions (see “Discharge Information” section of Appendix J – NOI form):

- In this section, include information relating to your site’s discharge. This information corresponds to the “Discharge Information” section of the NOI form.
- List all of the stormwater points of discharge from your site. Identify each point of discharge with a unique 3-digit ID (e.g., 001, 002).
- For each unique point of discharge you list, specify the name of the first water of the U.S. that receives stormwater directly from the point of discharge and/or from the MS4 that the point of discharge discharges to. You may have multiple points of discharge that discharge to the same receiving water.
- Next, specify whether any waters of the U.S. that you discharge to are listed as “impaired” as defined in [Appendix A](#), and the pollutants causing the impairment. Identify any Total Maximum Daily Loads (TMDL) that have been completed for any of the waters of the U.S. that you discharge to and the pollutants for which there is a TMDL. For more information on impaired waters and TMDLs, including a list of TMDL contacts and links by state, visit <https://www.epa.gov/tmdl>.
- Finally, indicate whether any water of the U.S. that you discharge to is designated as a Tier 2, Tier 2.5, or Tier 3 water and if so, what the designation is (2, 2.5, or 3). A list of Tier 2, 2.5, and 3 waters is provided in [Appendix F](#).

Does your project/site discharge stormwater into a Municipal Separate Storm Sewer System (MS4)? ☐ Yes ☒ No

Are there any waters of the U.S. within 50 feet of your project’s earth disturbances? ☐ Yes ☒ No

For each point of discharge, provide a point of discharge ID (a unique 3-digit ID, e.g., 001, 002), the name of the first water of the U.S. that receives stormwater directly from the point of discharge and/or from the MS4 that the point of discharge discharges to, and the following receiving water information, if applicable:

Point of Discharge ID	Name of receiving water:	Is the receiving water impaired (on the CWA 303(d) list)?	If yes, list the pollutants that are causing the impairment:	Has a TMDL been completed for this receiving waterbody?	If yes, list TMDL Name and ID:	Pollutant(s) for which there is a TMDL:	Is this receiving water designated as a Tier 2, Tier 2.5, or Tier 3 water?	If yes, specify which Tier (2, 2.5, or 3)?
2	Rose Brook Reservoir	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	N/A

2.3 Nature of the Construction Activities

Instructions (see CGP Parts 1.2.1.c and 7.2.3):

- Provide a general description of the nature of the construction activities at your site.
- Describe the size of the property (in acres or in miles if a linear construction site), the total area expected to be disturbed by the construction activities (to the nearest quarter acre or quarter mile if a linear construction site), and the maximum area expected to be disturbed at any one time.
- Indicate the type of construction site, whether there will be certain demolition activities, and whether the predevelopment land use was for agriculture.
- Provide a list and description of all pollutant-generating activities (e.g., paving operations; concrete, paint, and stucco washout and waste disposal; solid waste storage and disposal; and dewatering operations) and indicate for each activity the type of pollutant that will be generated (e.g., sediment, fertilizers, pesticides, paints, caulks, sealants, fluorescent light ballasts, contaminated substrates, solvents, fuels) and could be discharged in stormwater from your site.
- Describe the construction support activities covered by this permit (see Part 1.2.1.c of the permit).

General Description of Project

Provide a general description of the nature of your construction activities, including the age dates of past renovations for structures that are undergoing demolition:

The Proposed development includes 1 Restaurant, a Popeyes Lousianna Kitchen with associated driveway, parking, and infrastructure. The site is 2.34 Acres on Assessors Map 108 Lots 2 and 3. This site is proposed to be serviced by public water and sewer.

Size of Construction Site

Size of Property	2.34
Total Area Expected to be Disturbed by Construction Activities	1.30
Maximum Area Expected to be Disturbed at Any One Time	1.30

[Repeat as necessary for individual project phases.]

Type of Construction Site (check all that apply):

- ☐ Single-Family Residential
 ☐ Multi-Family Residential
 ☒ Commercial
 ☐ Industrial
☐ Institutional
☐ Highway or Road
☐ Utility
☐ Other _____

Will there be demolition of any structure built or renovated before January 1, 1980?

☐ Yes ☒ No

If yes, do any of the structures being demolished have at least 10,000 square feet of floor space?

☐ Yes ☐ No ☒ N/A

Was the pre-development land use used for agriculture (see [Appendix A](#) for definition of "agricultural land")? ☐ Yes ☒ No

Pollutant-Generating Activities

List and describe all pollutant-generating activities and indicate for each activity the type of pollutant that will be generated. Take into account where potential spills and leaks could occur that contribute pollutants to stormwater discharges, and any known hazardous or toxic substances, such as PCBs and asbestos, that will be disturbed during construction.

Pollutant-Generating Activity (e.g., paving operations; concrete, paint, and stucco washout and waste disposal; solid waste storage and disposal; and dewatering operations)	Pollutants or Pollutant Constituents (e.g., sediment, fertilizers, pesticides, paints, caulks, sealants, fluorescent light ballasts, contaminated substrates, solvents, fuels)
Clearing, grading, excavating, and unstablized areas	Sediment; Trash/Debris
Construction Entrance	Sediment
Soil Stockpiles	Sediment
Paving Operations	Sediment; Trash/Debris
Concrete washout and waste	Heavy metals; pH; Trash/Debris
Structure construction/ painting/ cleaning	Nutrients; pH; Trash/Debris; Toxic chemicals
Dewatering operations	Sediment; Nutrients
Material delivery and storage	Sediment; Nutrients; Heavy metals; pH; Pesticides/Herbicides; Oil/Grease; Trash/Debris; Toxic chemicals
Material use during building process	Nutrients; heavy metals; pH; pesticides/herbicides; oil/grease; trash/debris; toxic chemicals
Solid waste/ trash/ debris	Trash/debris; toxic chemicals
Vehicle/ equipment fueling and maintenance	Oil/Grease; Toxic chemicals
Vehicle equipment use and storage	Oil/Grease; Toxic chemicals
Landscaping operations	Sediment; Nutrients; Trash/Debris

Construction Support Activities *(only provide if applicable)*

Describe any construction support activities for the project (e.g., concrete or asphalt batch plants, equipment staging yards, material storage areas, excavated material disposal areas, borrow areas):

- [Material staging areas are proposed to be used during construction](#)
- [Construction material storage areas](#)
- [Earthwork material processing and storage areas](#)
- [Excavated material disposal and borrow areas](#)
- [Land clearing mobilization and storage areas](#)

Contact information for construction support activity:

TO BE DETERMINED
INSERT NAME
INSERT TELEPHONE NO.
INSERT EMAIL
INSERT ADDRESS AND/OR LATITUDE/LONGITUDE

2.4 Sequence and Estimated Dates of Construction Activities

Instructions (see CGP Part 7.2.5):

- Describe the intended construction sequence and duration of major activities.
- For each portion or phase of the construction site, include the following:
 - ✓ Commencement and duration of construction activities, including clearing and grubbing, mass grading, demolition activities, site preparation (i.e., excavating, cutting and filling), final grading, and creation of soil and vegetation stockpiles requiring stabilization;
 - ✓ Temporary or permanent cessation of construction activities;
 - ✓ Temporary or final stabilization of areas of exposed soil. The dates for stabilization must reflect the applicable deadlines to which you are subject to in Part 2.2.14; and
 - ✓ Removal of temporary stormwater controls and construction equipment or vehicles, and cessation of any pollutant-generating activities.
- The construction sequence must reflect the following requirements:
 - ✓ Part 2.1.3 (installation of stormwater controls); and
 - ✓ Parts 2.2.14 (stabilization deadlines).

Phase I

Estimated Start Date of Construction Activities for this Phase	Spring 2023
Estimated End Date of Construction Activities for this Phase	TBD
Estimated Date(s) of Application of Stabilization Measures for Areas of the Site Required to be Stabilized	Spring 2023
Estimated Date(s) when Stormwater Controls will be Removed	TBD

Description of Construction Sequencing:

1. Contractor is responsible for Soil Erosion and Sediment Control (SESC) on site. Sequence of construction provided may be modified as field conditions warrant with prior approval from the Owner or their representative.
2. Construction to begin in the Spring of Summer of 2023 or upon receipt of all necessary approvals.
3. Survey and stake limit of sedimentation barriers/limit of disturbance.
4. Cut Trees on site, within LOD. In no case is the limit of disturbance to extend beyond the limit of disturbance.
5. Place perimeter erosion control barriers as shown on the plans along Limit of disturbance. In no case is the limit of disturbance to extend beyond the sedimentation barriers.

6. Grub and remove tree stumps on site. Topsoil is to be stripped and stockpiled in approved locations. Stockpiles are to be protected by a row of silt fence and covered or temporarily seeded per the Massachusetts Stormwater Management Standards (MASWMS)
7. Install all temporary erosion and sediment control devices per the MASWMS. Erosion control blankets shall be used where necessary to stabilize any swales in steep slope areas. Diversion Swales shall be installed where necessary to detain stormwater and prevent erosion.
8. Survey and stake drain lines, water lines, sewer lines and curblines. Survey drainage BMPs and protect from runoff and construction vehicle traffic. Protect BMPs by installing erosion control devices around BMPs if possibility of runoff exists. If no stormwater can flow to a BMP install construction fencing to prevent compaction of BMP area by construction traffic.
9. Commence earthwork excavation and grade the proposed pavement areas. Rough grade building pad and proposed BMP's. Once rough grade of the pad has been established, disturbed areas shall be stabilized with hydroseeding or approved equal. Erosion control blankets shall be installed where necessary to stabilize soil and promote vegetation.
10. Install drain piping, drainage manholes and catch basins beginning at the lowest point and working up gradient. Install inlet protection on catch basins. Protect any discharge outlets (temporary or permanent) with rip-rap aprons. Place erosion controls at the discharge points. Install water, sewer, electric, telephone, cable, and gas in accordance with the approved final construction plans.
11. Place compacted gravel foundation and rough grade the pavement areas in accordance with the site plans and in accordance with the geotechnical requirements.
12. Place bituminous asphalt binder per site plans and in accordance with the geotechnical requirements.
13. Stabilize all areas outside of pavement areas.
14. Sweep/vacuum the pavement areas to remove all sediments. Flush drainage structures and pipes. Sediments shall be removed from site and disposed of properly.
15. Once all tributary areas to the BMPs have been stabilized the BMPs may be brought online.
16. Begin construction of the building foundation and structure. Contractor shall limit disturbed areas to the maximum extent practicable during building construction.
17. Finalize permanent stabilization around buildings.
18. Remove excess sediments within pavement areas.
19. Repair drainage outlets and BMPs as required.
20. Install plantings per the Landscape Plans.
21. Remove all temporary soil erosion and sedimentation control measures following final vegetative establishment of all disturbed areas.
22. Prior to activation of all utilities (water, sewer, and storm), the design engineer and the appropriate utility company shall to be notified at least 48 hours in advance to schedule final inspection.

2.5 Authorized Non-Stormwater Discharges

Instructions (see CGP Parts 1.2.2 and 7.2.5):

- Identify all authorized sources of non-stormwater discharges. The authorized non-stormwater discharges identified in Part 1.2.2 of the 2017 CGP include:
 - ✓ Discharges from emergency fire-fighting activities;
 - ✓ Fire hydrant flushings;
 - ✓ Landscape irrigation;
 - ✓ Waters used to wash vehicles and equipment, provided that there is no discharge of soaps, solvents, or detergents used for such purposes;
 - ✓ Water used to control dust;
 - ✓ Potable water including uncontaminated water line flushings;
 - ✓ External building washdown, provided soaps, solvents and detergents are not used, and external surfaces do not contain hazardous substances (e.g., paint or caulk containing PCBs);
 - ✓ Pavement wash waters provided spills or leaks of toxic or hazardous materials have not occurred (unless all spilled material has been removed) and detergents are not used. You are prohibited from directing pavement wash waters directly into any water of the U.S., storm drain inlet, or stormwater conveyance, unless the conveyance is connected to a sediment basin, sediment trap, or similarly effective control;
 - ✓ Uncontaminated air conditioning or compressor condensate;
 - ✓ Uncontaminated, non-turbid discharges of ground water or spring water;
 - ✓ Foundation or footing drains where flows are not contaminated with process materials such as solvents or contaminated ground water; and
 - ✓ Construction dewatering water discharged in accordance with Part 2.4.

List of Authorized Non-Stormwater Discharges Present at the Site

Type of Authorized Non-Stormwater Discharge	Likely to be Present at Your Site?
Discharges from emergency fire-fighting activities	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Fire hydrant flushings	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Landscape irrigation	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Waters used to wash vehicles and equipment	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Water used to control dust	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Potable water including uncontaminated water line flushings	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
External building washdown (soaps/solvents are not used and external surfaces do not contain hazardous substances)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Pavement wash waters	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Uncontaminated air conditioning or compressor condensate	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Uncontaminated, non-turbid discharges of ground water or spring water	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Foundation or footing drains	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Construction dewatering water	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

(Note: You are required to identify the likely locations of these authorized non-stormwater discharges on your site map. See Section 2.6, below, of the SWPPP Template.)

2.6 Site Maps

Instructions (see CGP Part 7.2.4):

- Attach site maps in Appendix A of the Template. For most projects, a series of site maps is necessary and recommended. The first should show the undeveloped site and its current features. An additional map or maps should be created to show the developed site or, for more complicated sites, show the major phases of development.

These maps must include the following features:

- Boundaries of the property and of the locations where construction will occur, including:
 - ✓ Locations where earth-disturbing activities will occur, noting any phasing of construction activities and any demolition activities;
 - ✓ Approximate slopes before and after major grading activities. Note areas of steep slopes, as defined in CGP Appendix A;
 - ✓ Locations where sediment, soil, or other construction materials will be stockpiled;
 - ✓ Locations of any crossings of waters of the U.S.;
 - ✓ Designated points where vehicles will exit onto paved roads;
 - ✓ Locations of structures and other impervious surfaces upon completion of construction; and
 - ✓ Locations of on-site and off-site construction support activity areas covered by this permit (see Part 1.2.1.c).
- Locations of all waters of the U.S., including wetlands, on your site and within one mile downstream of the site's discharge point. Indicate which waterbodies are listed as impaired, and which are identified by your state, tribe, or EPA as Tier 2, Tier 2.5, or Tier 3 waters.
- Areas of federally-listed critical habitat for endangered or threatened species within the site and/or at discharge locations.
- Type and extent of pre-construction cover on the site (e.g., vegetative cover, forest, pasture, pavement, structures)
- Drainage pattern(s) of stormwater and authorized non-stormwater before and after major grading activities.
- Stormwater and authorized non-stormwater discharge locations, including:
 - ✓ Locations where stormwater and/or authorized non-stormwater will be discharged to storm drain inlets; and
 - ✓ Locations where stormwater or allowable non-stormwater will be discharged to waters of the U.S. (including wetlands).
- Locations of all potential pollutant-generating activities.
- Locations of stormwater controls, including natural buffer areas and any shared controls utilized to comply with the permit.
- Locations where polymers, flocculants, or other treatment chemicals will be used and stored.

SECTION 3: DOCUMENTATION OF COMPLIANCE WITH OTHER FEDERAL REQUIREMENTS

3.1 Endangered Species Protection

Instructions (see CGP Parts 1.1.5, 7.2.9.a, Appendix D, and the “Endangered Species Protection” section of the Appendix J – NOI form):

Using the instructions in [Appendix D](#) of the permit, determine under which criterion listed below (A-F) you are eligible for coverage under this permit with respect to the protection of endangered species. To make this determination, you must use information from BOTH the National Marine Fisheries Service (NMFS) and U.S. Fish and Wildlife Service (USFWS). Both the NMFS and USFWS maintain lists of Endangered Species Act-listed (ESA-listed) species and designated critical habitat. Operators must consult both when determining their eligibility.

- Check only 1 box, include the required information and provide a sound basis for supporting the criterion selected. Select the most conservative criterion that applies
- Include documentation supporting your determination of eligibility.
- A step-by-step guide and flow-chart on ESA provisions for EPA’s CGP is available at <https://www.epa.gov/npdes/stormwater-discharges-construction-activities#species>

Eligibility Criterion

Under which criterion listed in [Appendix D](#) are you eligible for coverage under this permit?

- ☒ Criterion A: No ESA-listed species and/or designated critical habitat present in action area. Using the process outlined in Appendix D of this permit, you certify that ESA-listed species and designated critical habitat(s) under the jurisdiction of the USFWS or NMFS are not likely to occur in your site’s “action area” as defined in Appendix A of this permit.

Basis statement content/Supporting documentation: A basis statement supporting the selection of Criterion A should identify the USFWS and NMFS information sources used. Attaching aerial image(s) of the site to your NOI is helpful to EPA, USFWS, and NMFS in confirming eligibility under this criterion. Please Note: NMFS’ jurisdiction includes ESA-listed marine and estuarine species that spawn in inland rivers. Check the applicable source(s) of information you relied upon:

- ☐ Specific communication with staff of the USFWS and/or NMFS. [INSERT DATE OF COMMUNICATION AND WHO YOU SPOKE WITH](#)
- ☒ Species list from USFWS and/or NMFS. See the [CGP ESA webpage, Step 2](#) for available websites.
<https://noaa.maps.arcgis.com/apps/webappviewer/index.html?id=3dacc67d9a794a71acf1de4dc4c081ad> and <https://ecos.fws.gov/ipac/location/index>

- ☐ Criterion B: Eligibility requirements met by another operator under the 2017 CGP. The construction site’s discharges and discharge-related activities were already addressed in another operator’s valid certification of eligibility for your “action area” under eligibility Criterion A, C, D, E, or F of the 2017 CGP and you have confirmed that no additional ESA-listed species and/or designated critical habitat under the jurisdiction of USFWS and/or NMFS not considered in the that certification may be present or located in the “action area.” To certify your eligibility under this criterion, there must be no lapse of NPDES permit coverage in the other CGP operator’s certification. By certifying eligibility under this criterion, you agree to comply with any conditions upon which the other CGP operator’s certification was based. You must include in your NOI the NPDES ID from the other 2017CGP operator’s notification of authorization under this permit. If your certification is based on

another 2017 CGP operator's certification under criterion C, you must provide EPA with the relevant supporting information required of existing dischargers in criterion C in your NOI form.

Basis statement content/Supporting documentation: A basis statement supporting the selection of Criterion B should identify the eligibility criterion of the other CGP NOI, the authorization date, and confirmation that the authorization is effective.

- ✓ Provide the 9-digit NPDES ID number from the other operator's NOI under the 2017 CGP: ____
- ✓ Authorization date of the other 2017 CGP operator: **INSERT AUTHORIZATION DATE OF OTHER OPERATOR**
- ✓ Eligibility criterion of the other 2017 CGP operator: ☐A ☐C ☐D ☐E ☐F
- ✓ Provide a brief summary of the basis the other operator used for selecting criterion A, C, D, E, or F: **INSERT TEXT HERE**

-
- ☐ Criterion C: Discharges not likely to adversely affect ESA-listed species and/or designated critical habitat. ESA-listed species and/or designated critical habitat(s) under the jurisdiction of the USFWS and/or NMFS are likely to occur in or near your site's "action area," and you certify to EPA that your site's discharges and discharge-related activities are not likely to adversely affect ESA-listed threatened or endangered species and/or designated critical habitat. This certification may include consideration of any stormwater controls and/or management practices you will adopt to ensure that your discharges and discharge-related activities are not likely to adversely affect ESA-listed species and/or designated critical habitat. To certify your eligibility under this criterion, indicate 1) the ESA-listed species and/or designated habitat located in your "action area" using the process outlined in Appendix D of this permit; 2) the distance between the site and the listed species and/or designated critical habitat in the action area (in miles); and 3) a rationale describing specifically how adverse effects to ESA-listed species will be avoided from the discharges and discharge-related activities. You must also include a copy of your site map from your SWPPP showing the upland and in-water extent of your "action area" with this NOI.

Basis statement content/Supporting documentation: A basis statement supporting the selection of Criterion C should identify the information resources and expertise (e.g., state or federal biologists) used to arrive at this conclusion. Any supporting documentation should explicitly state that both ESA-listed species and designated critical habitat under the jurisdiction of the USFWS and/or NMFS were considered in the evaluation.

- ✓ Resources used to make determination: **INSERT RESOURCES YOU USED TO DETERMINE THAT DISCHARGES ARE NOT LIKELY TO ADVERSELY AFFECT ESA-LISTED SPECIES OR DESIGNATED CRITICAL HABITAT**
- ✓ ESA-listed Species/Critical Habitat in action area: **INSERT LIST OF ESA-LISTED SPECIES OR DESIGNATED CRITICAL HABITAT LOCATED IN YOUR ACTION AREA**
- ✓ Distance between site and ESA-listed Species/Critical Habitat: **INSERT DISTANCE BETWEEN YOUR SITE AND THE ESA-LISTED SPECIES OR CRITICAL HABITAT (in miles)**
- ✓ How adverse effects will be avoided: **DESCRIBE SPECIFICALLY HOW ADVERSE EFFECTS TO ESA-LISTED SPECIES WILL BE AVOIDED FROM THE DISCHARGES AND DISCHARGE-RELATED ACTIVITIES**

-
- ☐ Criterion D: Coordination with USFWS and/or NMFS has successfully concluded. Coordination between you and the USFWS and/or NMFS has concluded. The coordination must have addressed the effects of your site's discharges and discharge-related activities on ESA-listed species and/or designated critical habitat under the jurisdiction of USFWS and/or NMFS, and resulted in a written concurrence from USFWS and/or NMFS that your site's discharges and

discharge-related activities are not likely to adversely affect listed species and/or critical habitat. You must include copies of the correspondence with the participating agencies in your SWPPP and this NOI.

Basis statement content/Supporting documentation: A basis statement supporting the selection of Criterion D should identify whether USFWS or NMFS or both agencies participated in coordination, the field office/regional office(s) providing that coordination, and the date that coordination concluded.

- ✓ Agency coordinated with: ☐ USFWS ☐ NMFS
- ✓ Field/regional office(s) providing coordination: [INSERT FIELD/REGIONAL OFFICE\(S\) PROVIDING COORDINATION](#)
- ✓ Date coordination concluded: [INSERT DATE COORDINATION CONCLUDED](#)
- ✓ Attach copies of any letters or other communication between you and the U.S. Fish & Wildlife Service or National Marine Fisheries Service concluding coordination activities.

-
- ☐ Criterion E: ESA Section 7 consultation has successfully concluded. Consultation between a Federal Agency and the USFWS and/or NMFS under section 7 of the ESA has concluded. The consultation must have addressed the effects of the construction site's discharges and discharge-related activities on ESA-listed species and/or designated critical habitat under the jurisdiction of USFWS and/or NMFS. To certify eligibility under this criterion, Indicate the result of the consultation:
- ☐ Biological opinion from USFWS and/or NMFS that concludes that the action in question (taking into account the effects of your site's discharges and discharge-related activities) is not likely to jeopardize the continued existence of listed species, nor the destruction or adverse modification of critical habitat; or
 - ☐ Written concurrence from USFWS and/or NMFS with a finding that the site's discharges and discharge-related activities are not likely to adversely affect ESA-listed species and/or designated critical habitat. You must include copies of the correspondence between yourself and the USFWS and/or NMFS in your SWPPP and this NOI.

Basis statement content/Supporting documentation: A basis statement supporting the selection of Criterion E should identify the federal action agency(ies) involved, the field office/regional office(s) providing that consultation, any tracking numbers of identifiers associated with that consultation (e.g., IPaC number, PCTS number), and the date the consultation was completed.

- ✓ Federal agency(ies) involved: [INSERT FEDERAL AGENCY\(IES\) INVOLVED](#)
- ✓ Field/regional office(s) providing consultation: [INSERT FIELD/REGIONAL OFFICE\(S\) PROVIDING CONSULTATION](#)
- ✓ Tracking numbers associated with consultation: [INSERT CONSULTATION TRACKING NUMBER\(S\)](#)
- ✓ Date consultation completed: [INSERT DATE CONSULTATION COMPLETED](#)
- ✓ Attach copies of any letters or other communication between you and the U.S. Fish & Wildlife Service or National Marine Fisheries Service concluding consultation.

-
- ☐ Criterion F: Issuance of section 10 permit. Potential take is authorized through the issuance of a permit under section 10 of the ESA by the USFWS and/or NMFS, and this authorization addresses the effects of the site's discharges and discharge-related activities on ESA-listed species and designated critical habitat. You must include copies of the correspondence between yourself and the participating agencies in your SWPPP and your NOI.

Basis statement content/Supporting documentation: A basis statement supporting the selection of Criterion F should identify whether USFWS or NMFS or both agencies provided a section 10 permit,

the field office/regional office(s) providing permit(s), any tracking numbers of identifiers associated with that consultation (e.g., IPaC number, PCTS number), and the date the permit was granted.

- ✓ Agency providing section 10 permit: ☐USFWS ☐NMFS
- ✓ Field/regional office(s) providing permit: [INSERT FIELD/REGIONAL OFFICE\(S\) PROVIDING PERMIT](#)
- ✓ Tracking numbers associated with consultation: [INSERT CONSULTATION TRACKING NUMBER\(S\)](#)
- ✓ Date permit granted: [INSERT DATE PERMIT GRANTED](#)
- ✓ Attach copies of any letters or other communication between you and the U.S. Fish & Wildlife Service or National Marine Fisheries Service.

3.2 Historic Preservation

Instructions (see CGP Part 1.1.6, 7.2.9.b, Appendix E, and the “Historic Preservation” section of the Appendix J – NOI form):

Follow the screening process in Appendix E of the permit for determining whether your installation of subsurface earth-disturbing stormwater controls will have an effect on historic properties.

- Include documentation supporting your determination of eligibility.
- To contact your applicable state or tribal historic preservation office, information is available at www.achp.gov/programs/html.

Appendix E, Step 1

Do you plan on installing any of the following stormwater controls at your site? Check all that apply below, and proceed to Appendix E, Step 2.

- ☐ Dike
- ☐ Berm
- ☒ Catch Basin
- ☐ Pond
- ☐ Stormwater Conveyance Channel (e.g., ditch, trench, perimeter drain, swale, etc.)
- ☐ Culvert
- ☒ Other type of ground-disturbing stormwater control: [UNDERGROUND INFILTRATION SYSTEM](#)

(Note: If you will not be installing any ground-disturbing stormwater controls, no further documentation is required for Section 3.2 of the Template.)

Appendix E, Step 2

If you answered yes in Step 1, have prior surveys or evaluations conducted on the site already determined that historic properties do not exist, or that prior disturbances at the site have precluded the existence of historic properties? ☒ YES ☐ NO

- If yes, no further documentation is required for Section 3.2 of the Template.

- If no, proceed to Appendix E, Step 3.

Appendix E, Step 3

If you answered no in Step 2, have you determined that your installation of subsurface earth-disturbing stormwater controls will have no effect on historic properties? ☐ YES ☐ NO

If yes, provide documentation of the basis for your determination.

If no, proceed to Appendix E, Step 4.

Appendix E, Step 4

If you answered no in Step 3, did the State Historic Preservation Officer (SHPO), Tribal Historic Preservation Office (THPO), or other tribal representative (whichever applies) respond to you within 15 calendar days to indicate whether the subsurface earth disturbances caused by the installation of stormwater controls affect historic properties? ☐ YES ☐ NO

If no, no further documentation is required for Section 3.2 of the Template.

If yes, describe the nature of their response:

- ☐ Written indication that no historic properties will be affected by the installation of stormwater controls.
- ☐ Written indication that adverse effects to historic properties from the installation of stormwater controls can be mitigated by agreed upon actions.
- ☐ No agreement has been reached regarding measures to mitigate effects to historic properties from the installation of stormwater controls.
- ☐ Other:

3.3 Safe Drinking Water Act Underground Injection Control Requirements

Instructions (see CGP Part 7.2.9.c):

- If you will use any of the identified controls in this section, include documentation of contact between you and the applicable state agency or EPA Regional Office responsible for implementing the requirements for underground injection wells in the Safe Drinking Water Act and EPA's implementing regulations at 40 CFR Parts 144-147. \
- For state UIC program contacts, refer to the following EPA website:
<https://www.epa.gov/uic>.

Do you plan to install any of the following controls? Check all that apply below.

- ☐ Infiltration trenches (if stormwater is directed to any bored, drilled, driven shaft or dug hole that is deeper than its widest surface dimension, or has a subsurface fluid distribution system)
- ☒ Commercially manufactured pre-cast or pre-built proprietary subsurface detention vaults, chambers, or other devices designed to capture and infiltrate stormwater flow
- ☐ Drywells, seepage pits, or improved sinkholes (if stormwater is directed to any bored, drilled, driven shaft or dug hole that is deeper than its widest surface dimension, or has a subsurface fluid distribution system)

SECTION 4: EROSION AND SEDIMENT CONTROLS

General Instructions (See CGP Parts 2.2 and 7.2.6):

- Describe the erosion and sediment controls that will be installed and maintained at your site.
- Describe any applicable stormwater control design specifications (including references to any manufacturer specifications and/or erosion and sediment control manuals/ordinances relied upon).
- Describe any routine stormwater control maintenance specifications.
- Describe the projected schedule for stormwater control installation/implementation.

4.1 *Natural Buffers or Equivalent Sediment Controls*

Instructions (see CGP Parts 2.2.1 and 7.2.6.b.i, and Appendix G):

This section only applies to you if a water of the U.S. is located within 50 feet of your site's earth disturbances. If this is the case, consult CGP Part 2.2.1 and Appendix G for information on how to comply with the buffer requirements.

- Describe the compliance alternative (CGP Part 2.2.1.a.i, ii, or iii) that was chosen to meet the buffer requirements, and include any required documentation supporting the alternative selected. The compliance alternative selected must be maintained throughout the duration of permit coverage. However, if you select a different compliance alternative during your period of permit coverage, you must modify your SWPPP to reflect this change.
- If you qualify for one of the exceptions in CGP Part 2.2.1.b, include documentation related to your qualification for such exceptions.

Buffer Compliance Alternatives

Are there any waters of the U.S. within 50 feet of your project's earth disturbances? ☐ YES ☒ NO

(Note: If no, no further documentation is required for Part 4.1 in the SWPPP Template. Continue on to Part 4.2.)

Check the compliance alternative that you have chosen:

- ☐ (i) I will provide and maintain a 50-foot undisturbed natural buffer.

(Note (1): You must show the 50-foot boundary line of the natural buffer on your site map.)

(Note (2): You must show on your site map how all discharges from your construction disturbances through the natural buffer area will first be treated by the site's erosion and sediment controls. Also, show on the site map any velocity dissipation devices used to prevent erosion within the natural buffer area.)

- ☐ (ii) I will provide and maintain an undisturbed natural buffer that is less than 50 feet and is supplemented by additional erosion and sediment controls, which in combination achieves the sediment load reduction equivalent to a 50-foot undisturbed natural buffer.

(Note (1): You must show the boundary line of the natural buffer on your site map.)

(Note (2): You must show on your site map how all discharges from your construction disturbances through the natural buffer area will first be treated by the site's erosion and sediment controls. Also, show on the site map any velocity dissipation devices used to prevent erosion within the natural buffer area.)

- ☐ (iii) It is infeasible to provide and maintain an undisturbed natural buffer of any size, therefore I will implement erosion and sediment controls that achieve the sediment load reduction equivalent to a 50-foot undisturbed natural buffer.
- ☐ I qualify for one of the exceptions in Part 2.2.1.b. (If you have checked this box, provide information on the applicable buffer exception that applies, below.)

Buffer Exceptions

Which of the following exceptions to the buffer requirements applies to your site?

- ☐ There is no discharge of stormwater to the water of the U.S. that is located 50 feet from my construction disturbances.
(Note: If this exception applies, no further documentation is required for Section 4.1 of the Template.)
- ☐ No natural buffer exists due to preexisting development disturbances that occurred prior to the initiation of planning for this project.
(Note (1): If this exception applies, no further documentation is required for Section 4.1 of the Template.)
(Note (2): Where some natural buffer exists but portions of the area within 50 feet of the surface water are occupied by preexisting development disturbances, you must still comply with the one of the CGP Part 2.2.1.a compliance alternatives.)
- ☐ For a "linear construction sites" (defined in Appendix A), site constraints (e.g., limited right-of-way) make it infeasible to meet any of the CGP Part 2.2.1.a compliance alternatives.
- ☐ The project qualifies as "small residential lot" construction (defined in Appendix A) (see Appendix G, Part G.3.2).
☐ For Alternative 1:
☐ For Alternative 2:
- ☐ Buffer disturbances are authorized under a CWA Section 404 permit.
(Note (1): If this exception applies, no further documentation is required for Section 4.1 of the Template.)
(Note (2): This exception only applies to the limits of disturbance authorized under the Section 404 permit, and does not apply to any upland portion of the construction project.)
- ☐ Buffer disturbances will occur for the construction of a water-dependent structure or water access area (e.g., pier, boat ramp, and trail).

(Note (1): If this exception applies, no further documentation is required for Section 4.1 of the Template.)

4.2 Perimeter Controls

Instructions (see CGP Parts 2.2.3 and 7.2.6.b.ii):

- Describe sediment controls that will be used (e.g., silt fences, filter berms, temporary diversion dikes, or fiber rolls) to meet the Part 2.2.3 requirement to “install sediment controls along any perimeter areas of the site that will receive pollutant discharges.”
- For linear projects, where you have determined that the use of perimeter controls in portions of the site is infeasible, document other practices that you will implement.

General

- The perimeter of the project area will be staked with erosion control measures as described below.

Specific Perimeter Controls

SILT FENCE	
Description: Silt fence as specified in plan set per Appendix A. Used in areas where there is possible discharge to any downgradient areas	
Installation	Before earth disturbance. Spring 2023 Silt fence to be installed in accordance with Massachusetts Erosion Control Guide page 146. See DiPrete plans for silt fence and Class C silt fence details.
Maintenance Requirements	Built up sediment upgradient of silt fence shall be removed before it has accumulated to one-half of the above ground height of any perimeter control.
Design Specifications	See plan set prepared by DiPrete Engineering.

CONSTRUCTION FENCE	
Description: Construction Fencing (Orange Fence). Used in areas where silt fence is not required to demarcate limit of disturbance.	
Installation	Before earth disturbance. Spring 2023
Maintenance Requirements	Replace/Repair as necessary to maintain perimeter of site.
Design Specifications	Industry Standard

INLET PROTECTION	
Description: Inlet Protection as specified in plan set per Appendix A	
Installation	Before earth disturbance. Spring 2023
Maintenance Requirements	After storm event and at regular intervals, remove sediment from containment area if more than 1/3 full of sediment.
Design Specifications	See Plan Set prepared by DiPrete Engineering

4.3 Sediment Track-Out

Instructions (see CGP Parts 2.2.4 and 7.2.6.b.iii):

- Describe stormwater controls that will be used to minimize sediment track-out.
- Describe location(s) of vehicle exit(s), procedures to remove accumulated sediment off-site (e.g., vehicle tracking), and stabilization practices (e.g., stone pads or wash racks or both) to minimize off-site vehicle tracking of sediment. Also include the design, installation, and maintenance specifications for each control.

General

- Sediment Track out will comply with CGP Part 2.2.4 per the below:

Specific Track-Out Controls

Construction Entrance	
Description: Crushed Stone Construction Access as specified in plan set per Appendix A	
Installation	At start of construction. Spring 2023. Crushed stone construction access to be installed in accordance with Massachusetts Erosion Control Guide page 68. See DiPrete plans for a crushed stone construction detail and location of proposed Construction Entrance/Exit Access.
Maintenance Requirements	Top dressing with additional stone or additional length as conditions demand; Where sediment has been tracked-out from the site onto paved roads, sidewalks, or other paved areas outside of the site, remove the deposited sediment by the end of the same business day in which the track-out occurs or by the end of the next business day if track-out occurs on a non-business day. Remove the track-out by sweeping, shoveling, or vacuuming these surfaces, or by using other similarly effective means of sediment removal. Hosing or sweeping tracked-out sediment into any stormwater conveyance, storm drain inlet, or water of the U.S. is prohibited.
Design Specifications	See plan set prepared by DiPrete Engineering

4.4 Stockpiled Sediment or Soil

Instructions (see CGP Parts 2.2.5 and 7.2.6):

- Describe stormwater controls and other measures you will take to minimize the discharge of sediment or soil particles from stockpiled sediment or soil. Include a description of structural practices (e.g., diversions, berms, ditches, storage basins), including design, installation, and maintenance specifications, used to divert flows from stockpiled sediment or soil, retain or detain flows, or otherwise limit exposure and the discharge of pollutants from stockpiled sediment or soil.
- For piles that will be unused for 14 or more days, describe what cover or other appropriate temporary stabilization will be used.
- Also, describe any controls or procedures used to minimize exposure resulting from adding to or removing materials from the pile.

General

- Stockpiles shall be sited outside the active area of work in an upland area (see "Construction Support Activities" in Section 2.3) and surrounded by sediment controls.

Specific Stockpile Controls

Silt Fence	
Description: Silt fence as specified in the plan set per Appendix A. When located on paved areas hay bales are to surround stockpiles. Inlet protection is to be used in catch basins within proximity of the stockpile as specified in the plan set.	
Installation	Prior to/at stockpile creation
Maintenance Requirements	Built up sediment upgradient of silt fence shall be removed before it has accumulated to one-half of the above-ground height of any perimeter control. Hosing or sweeping tracked-out sediment into any stormwater conveyance, storm drain inlet, or water of the U.S. is prohibited. Hay bales are to be cleaned and maintained in accordance with the Massachusetts Erosion Control Guide.
Design Specifications	See plan set prepared by DiPrete Engineering.

4.5 Minimize Dust

Instructions (see CGP Parts 2.2.6 and 7.2.6):

Describe controls and procedures you will use at your site to minimize the generation of dust.

General

- Dust will be controlled on-site using surface treatment measures as applicable.

Specific Dust Controls

Water Truck	
Description: Water truck as needed	
Installation	During construction until vegetative cover has been established.
Maintenance Requirements	N/A
Design Specifications	A water truck shall be available as needed for application of water to control dust during dry periods.

4.6 Minimize Steep Slope Disturbances

Instructions (see CGP Parts 2.2.7 and 7.2.6):

- Describe how you will minimize the disturbance to steep slopes (as defined by CGP Appendix A).
- Describe controls (e.g., erosion control blankets, tackifiers), including design, installation and maintenance specifications, that will be implemented to minimize sediment discharges from slope disturbances.

General

- See Appendix A, Plan Set prepared by DiPrete Engineering for details on all proposed controls.
- Final unrestrained slopes on site will be no steeper than 2:1

Specific Steep Slope Controls

Slope Stabilization	
Description: Erosion control blankets, rip rap, slope interrupters, hydroseed bonded fiber matrix, erosion control mulch, flexible growth medium, or approved equal	
Installation	As specified on site plans
Maintenance Requirements	See site plans for details, installation, and maintenance requirements.
Design Specifications	See plan set prepared by DiPrete Engineering

4.7 Topsoil

Instructions (see CGP Parts 2.2.8 and 7.2.6):

- Describe how topsoil will be preserved and identify these areas and associated control measures on your site map(s).
- If it is infeasible for you to preserve topsoil on your site, provide an explanation for why this is the case.

General

- Topsoil shall be stripped from areas to be graded and stockpiled for later use. Stockpile location shall be subject to approval by the Project Engineer. Silt fence or approved equal shall surround all topsoil stockpiles.

Specific Topsoil Controls

Silt Fence	
Description: Silt fence as specified in plan set per Appendix A	
Installation	Prior to/at stockpile creation. Silt fence to be installed in accordance with Massachusetts Erosion Control Guide page 146. See DiPrete plans for silt fence and Class C silt fence details.
Maintenance Requirements	Built up sediment upgradient of silt fence shall be removed before it has accumulated to one-half of the above-ground height of any perimeter control. Hosing or sweeping tracked-out sediment into any stormwater conveyance, storm drain inlet, or water of the U.S. is prohibited.

Design Specifications	See plan set prepared by DiPrete Engineering.
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4.8 Soil Compaction

Instructions (see CGP Parts 2.2.9 and 7.2.6):

- In areas where final vegetative stabilization will occur or where infiltration practices will be installed, describe the controls, including design, installation, and maintenance specifications that will be used to restrict vehicle or equipment access or condition the soil for seeding or planting.

General

- Final vegetative stabilization will occur post general construction. Silt fence shall remain until stabilization has occurred.

Specific Soil Compaction Controls

Silt Fence	
Description: Infiltration area protection	
Installation	Prior to construction
Maintenance Requirements	Infiltration area basin is to be staked out at the beginning of construction and construction traffic avoid this area.
Design Specifications	See plan set prepared by DiPrete Engineering

4.9 Storm Drain Inlets

Instructions (see CGP Parts 2.2.10 and 7.2.6):

- Describe controls (e.g., inserts, rock-filled bags, or block and gravel) including design, installation, and maintenance specifications that will be implemented to protect all inlets that carry stormwater flow from your site to a water of the U.S., provided you have the authority to access the storm drain inlet.

General

- Sediment controls shall be used at all storm drain inlets within and down gradient of the limits of work.

Specific Storm Drain Inlet Controls

Inlet Protection	
Description: Inlet Protection as specified in plan set per Appendix A	
Installation	Before earth disturbance. Spring 2023

Maintenance Requirements	After storm event, remove sediment from containment area if more than 1/3 full of sediment. Clean, or remove and replace the protection measures as sediment accumulates, the filter becomes clogged, and/or performance is compromised. Where there is evidence of sediment accumulation adjacent to the inlet protection measure, remove the deposited sediment by the end of the same business day in which it is found or by the end of the following business day if removal by the same business day is not feasible.
Design Specifications	See plan set prepared by DiPrete Engineering for inlet protection detail. Mirafi fabric is not appropriate or acceptable for inlet protection.

4.10 Stormwater Conveyance Channels

Instructions (see CGP Parts 2.2.11 and 7.2.6):

If you will be installing a stormwater conveyance channel, describe control practices (e.g., velocity dissipation devices), including design specifications and details (volume, dimensions, outlet structure), that will be implemented at the construction site.

General

- Grassed conveyance channel will divert runoff.

Specific Conveyance Channel Controls

Grassed Swale	
Description: Grassed Swale	
Installation	Prior to major earthworks.
Maintenance Requirements	After storm event, remove sediment from swale area if more than 1/3 full of sediment.
Design Specifications	A riprap pad has been provided at the outlet to dissipate energy and return discharge to sheet flow. See Plan Set per Appendix A for further specifications.

4.11 Sediment Basins

Instructions (see CGP Parts 2.2.12 and 7.2.6.b.iv):

If you will install a sediment basin, include design specifications and other details (volume, dimensions, outlet structure) that will be implemented in conformance with CGP Part 2.2.12.

- Sediment basins must be situated outside waters of the U.S. and any natural buffers established under CGP Part 2.2.1; and designed to avoid collecting water from wetlands.
- At a minimum, sediment basins provide storage for either (1) the calculated volume of runoff from the 2-year, 24-hour storm (see CGP App. H), or (2) 3,600 cubic feet per acre drained
- Sediment basins must also utilize outlet structures that withdraw water from the surface, unless infeasible

General

- Sediment Basins are not proposed on site. Sediment traps are proposed instead.

- Sediment control measure as described in this report are deemed adequate to control and maintain sediment disposition during construction.

Specific Sediment Basin Controls

Sediment Traps are proposed on site.	
Description: Sediment Collection.	
Installation	Prior to Construction; Sediment traps to be installed in accordance with Massachusetts Erosion Control Guide page 152. See DiPrete plans for a Sediment Trap Detail and locations of proposed Sediment Traps.
Maintenance Requirements	Set a stake at one-half the design depth. This will be the "cleanout level". Remove sediment when it has accumulated to one-half the design depth.
Design Specifications	See plan set prepared by DiPrete Engineering for sediment trap details and locations.

4.12 Chemical Treatment

Instructions (see CGP Parts 2.2.13 and 7.2.6.v):

If you are using treatment chemicals at your site, provide details for each of the items below. This information is required as part of the SWPPP requirements in CGP Part 7.2.6.v.

Soil Types

List all the soil types (including soil types expected to be found in fill material) that are expected to be exposed during construction in areas of the project that will drain to chemical treatment systems: [N/A](#)

Treatment Chemicals

List all treatment chemicals that will be used at the site and explain why these chemicals are suited to the soil characteristics: [N/A](#)

Describe the dosage of all treatment chemicals you will use at the site or the methodology you will use to determine dosage: [N/A](#)

Provide information from any applicable Safety Data Sheets (SDS): [N/A](#)

Describe how each of the chemicals will stored: [N/A](#)

Include references to applicable state or local requirements affecting the use of treatment chemicals, and copies of applicable manufacturer's specifications regarding the use of your specific treatment chemicals and/or chemical treatment systems: [N/A](#)

Special Controls for Cationic Treatment Chemicals (if applicable)

If the applicable EPA Regional Office authorized you to use cationic treatment chemicals, include the official EPA authorization letter or other communication, and identify the specific controls and implementation procedures designed to ensure that your use of cationic treatment chemicals will not lead to an exceedance of water quality standards: [N/A](#)

Schematic Drawings of Stormwater Controls/Chemical Treatment Systems

Provide schematic drawings of any chemically-enhanced stormwater controls or chemical treatment systems to be used for application of treatment chemicals: [N/A](#)

Training

Describe the training that personnel who handle and apply chemicals have received prior to permit coverage, or will receive prior to the use of treatment chemicals: [N/A](#)

4.13 Dewatering Practices

Instructions (see CGP Parts 2.4 and 7.2.6):

If you will be discharging ground water or accumulated stormwater that is removed from excavations, trenches, foundations, vaults, or other similar points of accumulation, include design specifications and details of all dewatering practices that are installed and maintained to comply with CGP Part 2.4.

General

- The dewatering of non-contaminated non-stormwater (i.e. groundwater) or accumulated precipitation discharge of sediment-laden water into storm drains, streams, lakes or wetlands prior to sediment removal is prohibited. Sediment Traps and Sediment Basins shall be installed and maintained to comply with CGP Part 2.1.3.4.

Specific Dewatering Practices

Dewatering practice	
Description: Dewatering of non-contaminated stormwater	
Installation	Start of construction or upon commencement of dewatering operations.
Maintenance Requirements	With backwash water, either haul it away for disposal or return it to the beginning of the treatment process; and replace and clean the filter media used in dewatering devices when the pressure differential equals or exceeds the manufacturer's specifications. Deep excavations should be scheduled to avoid times of year with seasonal high groundwater levels, allowing most dewatering to be avoided on the site. If the need for dewatering is encountered, contractor is to follow EPA guidelines for dewatering, https://www.epa.gov/eg/construction-and-development-effluent-guidelines
Design Specifications	See plan set prepared by DiPrete Engineering

4.14 Other Stormwater Controls

Instructions:

- Describe any other stormwater controls that do not fit into the above categories.

General

- Sediment Traps shall collect and control stormwater and sediments from construction activities within the limit of work. Sediment traps shall contain an emergency spillway.

Specific Stormwater Control Practices

Sediment Trap	
Description: Sediment Trap as specified in plan set per Appendix A	
Installation	Clear, grub and strip dam location. Install "Sediment Storage" stake with a marker at one half design depth.

Maintenance Requirements	Check embankment and emergency spillway for erosion damage. Remove sediment when it has accumulated to one-half the design depth and restore the trap to its original dimensions. Dewater if necessary.
Design Specifications	See plan set per Appendix A

4.15 Site Stabilization

Instructions (see CGP Parts 2.2.14 and 7.2.6.vi):

The CGP requires you to immediately initiate stabilization when work in an area of your site has permanently or temporarily stopped, and to complete certain stabilization activities within prescribed deadlines. Construction projects disturbing more than 5 acres at any one time have a different deadline than projects disturbing 5 acres or less at any one time. See CGP Part 2.2.14.a. The CGP also requires that stabilization measures meet certain minimum criteria. See CGP Part 2.2.14.b. For your SWPPP, you must include the following:

- Describe the specific vegetative and/or non-vegetative practices that will be used to stabilize exposed soils where construction activities have temporarily or permanently ceased. Avoid using impervious surfaces for stabilization whenever possible.
- The stabilization deadline(s) that will be met in accordance with Part 2.2.14.a
- Once you begin construction, consider using the Grading/Stabilization Activities log in Appendix H of the Template to document your compliance with the stabilization requirements in CGP Part 2.2.14.

Total Amount of Land Disturbance Occurring at Any One Time

- ☒ Five Acres or less
☐ More than Five Acres

Use this template box if you are not located in an arid, semi-arid, or drought-stricken area

Vegetative Cover	
<input checked="" type="checkbox"/> Vegetative <input type="checkbox"/> Non-Vegetative <input type="checkbox"/> Temporary <input type="checkbox"/> Permanent	
Description: ▪ Vegetative Cover	
Installation	Seed or mulch exposed areas as described below from commencement to end of construction as activities cease in the applicable areas. Vegetative cover/ mulch to be installed in accordance with Massachusetts Erosion Control Guide page 243.
Completion	Before site demobilization.
Maintenance Requirements	<ul style="list-style-type: none"> Contractor shall be responsible for re-seeding any un-stabilized areas after activities have ceased in the area until the end of earth disturbing activities for the site. When earth disturbing activities have temporarily or permanently ceased, all exposed earth shall immediately be either mulched or seeded with grass or planted

	<ul style="list-style-type: none">• The above shall be commenced as soon as practicable but no later than the end of the next work day following the day when earth disturbing activities have temporarily ceased.• The above shall be completed no later than 14 calendar days after the initiation of site stabilization measures.• All areas not covered by permanent structures must achieve uniform, perennial vegetation of at least 70 percent cover.
Design Specifications	See plan set prepared by DiPrete Engineering. Design specs to be in accordance with Massachusetts Erosion Control Guide page 243.

SECTION 5: POLLUTION PREVENTION STANDARDS

5.1 Potential Sources of Pollution

Instructions (see CGP Part 7.2.3.g):

- Identify and describe all pollutant-generating activities at your site (e.g., paving operations; concrete, paint, and stucco washout and waste disposal; solid waste storage and disposal).
- For each pollutant-generating activity, include an inventory of pollutants or pollutant constituents associated with that activity (e.g., sediment, fertilizers, and/or pesticides, paints, solvents, fuels), which could be exposed to rainfall or snowmelt, and could be discharged from your construction site. You must take into account where potential spills and leaks could occur that contribute pollutants to stormwater discharges, and any known hazardous or toxic substances, such as PCBs and asbestos, that will be disturbed or removed during construction.

Construction Site Pollutants

Pollutant-Generating Activity	Pollutants or Pollutant Constituents (that could be discharged if exposed to stormwater)	Location on Site (or reference SWPPP site map where this is shown)
Construction entrance	Sediment	At construction entrance
Clearing, grading, excavating, and un-stabilized areas	Sediment; Trash/Debris	Areas within the limit of work
Installation of stormwater drainage systems	Products from construction vehicles	Locations vary on site
Disturbing then re-paving of disturbed areas	Asphalt and products from construction vehicles	Areas within the limit of work
Concrete washout and waste	Heavy metals; pH; Trash/Debris	Designated washout areas
Demolition and debris disposal	Sediment; Nutrients	Where needed
Material delivery and storage	Sediment; Nutrients; Heavy metals; pH; Oil/Grease; Pesticides/Herbicides; Trash/Debris; Toxic chemicals	Designated staging areas
Material use during building process	Nutrients; Heavy metals; pH; Pesticides/Herbicides; Oil/Grease; Trash/Debris; Toxic chemicals	Areas within the limit of work
Contaminated spills	Nutrients; Heavy metals; pH; Pesticides/Herbicides; Oil/Grease; Toxic chemicals	Areas within the limit of work
Vehicle/equipment fueling, storage and maintenance	Oil/Grease; Toxic chemicals	Areas within the limit of work
Solid waste/trash/debris	Trash/Debris; Toxic Chemicals	Designated staging areas

5.2 Spill Prevention and Response

Instructions (see CGP Parts 2.3.6 and 7.2.6.vii):

- Describe procedures you will use to prevent and respond to leaks, spills, and other releases. You must implement the following at a minimum:
 - ✓ Procedures for expeditiously stopping, containing, and cleaning up spills, leaks, and other releases. Identify the name or title of the employee(s) responsible for detection and response of spills or leaks; and
 - ✓ Procedures for notification of appropriate facility personnel, emergency response agencies, and regulatory agencies where a leak, spill, or other release containing a hazardous substance or oil in an amount equal to or in excess of a reportable quantity consistent with Part 2.3.6 and established under either 40 CFR Part 110, 40 CFR Part 117, or 40 CFR Part 302, occurs during a 24-hour period. Contact information must be in locations that are readily accessible and available.
- Some projects/site may be required to develop a Spill Prevention Control and Countermeasure (SPCC) plan under a separate regulatory program (40 CFR 112). If you are required to develop an SPCC plan, or you already have one, you should include references to the relevant requirements from your plan.

Spills and leaks shall be avoided through frequent inspection of equipment and material storage areas. Heavy equipment and other vehicles shall be routinely inspected for leaks and repaired as necessary. Material storage areas shall be routinely inspected for leaky containers, open containers, or improper storage techniques that may lead to spills or leaks. Appropriate cleanup procedures and supplies shall be available on-site and should be clearly marked so that all personnel can locate and access these supplies quickly.

Spills shall be cleaned up immediately and following proper response procedures and in accordance with any applicable regulatory requirements. At no time shall spills be cleaned and flushed down storm drains or into any environmentally sensitive area (i.e. stream, pond, wetland).

Equipment/vehicle fueling and repair/maintenance operations or hazardous material storage shall not take place within regulated wetlands or buffer zone areas. Designated areas shall be approved by the site owner.

Spill response for liquid waste must be used when responding to hydrocarbon spills on site and should not be performed without the appropriate PPE equipment.

The construction site supervisor will create and adopt a spill control plan that includes measures to stop the source of the spill, contain the spill, clean up the spill, dispose of materials contaminated by the spill, and identify and train personnel responsible for spill prevention and control. The following measures will be appropriate for a spill prevention and response plan.

- 1) Store and handle materials to prevent spills.
 - a) Tightly seal containers.
 - b) Make sure all containers are clearly labeled.
 - c) Stack containers neatly and securely.
- 2) Reduce stormwater contact if there is a spill.
 - a) Have cleanup procedures clearly posted.
 - b) Have cleanup materials readily available.

- c) Contain any liquid.
- d) Stop the source of the spill.
- e) Cover spill with absorbent materials such as kitty litter or sawdust.
- 3) At no time shall spills be cleaned and/or flushed down storm drains or to any environmentally sensitive area (stream, pond, wetlands, etc.).
- 4) Dispose of contaminated materials according to manufacturer's instructions or according to State or local requirements.
- 5) Equipment/vehicle fueling and repair/maintenance operations or hazardous material storage.
- 6) Identify personnel responsible for responding to a spill of toxic or hazardous materials.
 - a) Provide personnel spill response training.
 - b) Post names of spill response personnel.
 - c) Keep the spill area well ventilated.
 - d) If necessary, use a private firm that specializes in spill cleanup.
- 7) Spills that exceed Reportable Quantity (RQ) levels or reportable materials must be reported and documented.
 - a) Notify the Wareham Fire Department and the Emergency Response Section at the Massachusetts Department of Environmental Protection (1-888-304-1133) as soon as there is knowledge of the spill.
 - b) Notify the permitting authority in writing within 5 days.

The SWPPP must be modified within 14-days to provide a description of the release, the circumstances leading to the release and the date of the release.

5.3 Fueling and Maintenance of Equipment or Vehicles

Instructions (see CGP Parts 2.3.1 and 7.2.6):

- Describe equipment/vehicle fueling and maintenance practices that will be implemented to eliminate the discharge of spilled or leaked chemicals (e.g., providing secondary containment (*examples: spill berms, decks, spill containment pallets*) and cover where appropriate, and/or having spill kits readily available.)

General

- Oil, gasoline, lubricants, and asphaltic substances such as paving materials are considered petroleum products. Petroleum products will most likely be used in areas where road construction of some type is occurring and at vehicle storage areas or areas of on-site fueling or equipment maintenance. The following practices should be utilized to reduce the pollution risks from using petroleum products.
- Vehicle maintenance shall occur off-site, or in designated areas depicted on the Approved Plans or approved of by the site owner. Vehicle washing is to only occur off-site. Maintenance areas shall not be within regulated wetlands or buffer zone areas, or within 50-feet of the storm drain system. Maintenance areas shall be clearly designated, and berms, sandbags, or other barriers shall be used around the perimeter of the maintenance area to prevent stormwater contamination.

- Construction vehicles shall be inspected frequently for leaks. Repairs shall take place immediately. Disposal of all used oil, antifreeze, solvents and other automotive related chemicals shall be according to applicable regulations; at no time shall any material be washed down the storm drain or into any environmentally sensitive area.

Specific Pollution Prevention Practices

Pollution Prevention	
Description: Chemical/Discharge Spill Clean Up	
Installation	Have equipment to contain and clean up petroleum spills in fuel storage areas or on-board maintenance and fueling vehicles. Where possible, store petroleum products and fuel vehicles in covered areas and construct dikes to contain any spills.
Maintenance Requirements	Preventive maintenance for on-site equipment should be done to prevent leakage. This may include checking for and fixing gas or oil leaks in construction vehicles on a regular basis. Proper application of asphaltic substances (see manufacturers' instructions) will also reduce the risk of a spill. Contain and clean up petroleum spills immediately. In the case of a petroleum or fuel spill secondary containment shall be used.
Design Specifications	N/A

5.4 Washing of Equipment and Vehicles

Instructions (see CGP Parts 2.3.2 and 7.2.6):

- Describe equipment/vehicle washing practices that will be used to minimize the discharge of pollutants from equipment and vehicle washing, wheel wash water, and other types of wash waters (e.g., locating activities away from waters of the U.S. and stormwater inlets or conveyances and directing wash waters to a sediment basin or sediment trap, using filtration devices, such as filter bags or sand filters, or using other similarly effective controls).
- Describe how you will prevent the discharge of soaps, detergents, or solvents by providing either (1) cover (*examples: plastic sheeting or temporary roofs*) to prevent these detergents from coming into contact with rainwater, or (2) a similarly effective means designed to prevent the discharge of pollutants from these areas.

General

- Vehicle washing shall occur off-site.

Specific Pollution Prevention Practices

- N/A

5.5 Storage, Handling, and Disposal of Building Products, Materials, and Wastes

Instructions (see CGP Parts 2.3.3 and 7.2.6):

- For any of the types of building products, materials, and wastes below in Sections 5.5.1-5.5.6 below that you expect to use or store at your site, provide the information on how you will comply with the corresponding CGP provision and the specific practices that you will be employ.

5.5.1 Building Products

(Note: Examples include asphalt sealants, copper flashing, roofing materials, adhesives, concrete admixtures, and gravel and mulch stockpiles.)

General

- An inventory will be kept of all reportable materials and all materials with a reportable quantity on site. There will be neat and orderly storage of hazardous materials. Regular garbage, rubbish, construction waste and sanitary waste disposal will be employed. There will be prompt cleanup of any spills, either liquid or dry materials. The following practices will be used to avoid problems associated with the disposal of hazardous materials.

Specific Pollution Prevention Practices

Building Product Materials and Waste	
Description: Pollution Prevention Practices	
Installation	During construction period
Maintenance Requirements	Check with local waste management authorities to determine what the requirements are for disposing of hazardous materials. Use the entire product before disposing of the container. Do not remove the original product label from the container, since it contains important information. If surplus products must be disposed, do not mix products together unless specifically recommended by the manufacturer. The correct method of disposal of hazardous materials varies with the product use. Follow the manufacturer's recommended method, which is often found on the label.
Design Specifications	N/A

Waste Disposal	
Description: Pollution Prevention Practices	
Installation	During construction period
Maintenance Requirements	A waste collection area shall be designated on the site that does not receive a substantial amount of runoff from upland areas and does not drain directly to a waterbody or storm drain. All waste containers shall be covered to avoid contact with wind and precipitation. Waste collection shall be scheduled frequently enough to prevent containers from overfilling. All construction site wastes shall be collected, removed and disposed of in accordance with applicable regulatory requirements and only at authorized disposal sites. Equipment and containers shall be checked for leaks, corrosion, support or foundation failure, or other signs of deterioration. Those that are found to be defective shall be immediately repaired and replaced.
Design Specifications	N/A

5.5.2 Pesticides, Herbicides, Insecticides, Fertilizers, and Landscape Materials

General

- Pesticides may include but are not limited to insecticides, rodenticides, and herbicides. The following practices should be utilized to reduce the risks of using pesticides.

Specific Pollution Prevention Practices

Landscape Based	
Description: Pollution Prevention Practices	
Installation	During construction period
Maintenance Requirements	Handle the materials as infrequently as possible. Observe all applicable Federal, State and local regulations when using, handling, or disposing of these materials. Cover storage areas to prevent chemicals from coming into contact with rainwater.
Design Specifications	N/A

5.5.3 Diesel Fuel, Oil, Hydraulic Fluids, Other Petroleum Products, and Other Chemicals

General

- Oil, gasoline, lubricants and asphaltic substances, such as paving materials, are considered petroleum products. Petroleum products will most likely be used in areas where road construction of some type is occurring and at vehicle storage areas or areas of on-site fueling or equipment maintenance. The following practices should be utilized to reduce the pollution risks from using petroleum products.

Specific Pollution Prevention Practices

Fuel, Oils & Chemicals	
Description: Diesel Fuel, Oil, Hydraulic Fluids, Other Petroleum Spill Cleanup	
Installation	During construction period
Maintenance Requirements	Preventive maintenance for on-site equipment should be done to prevent leakage. This may include checking for and fixing gas or oil leaks in construction vehicles on a regular basis. Have equipment to contain and clean up petroleum spills in fuel storage areas or on-board maintenance and fueling vehicles. Store petroleum products and fuel vehicles in covered areas and construct dikes to contain any spills. These materials require secondary containment. Contain and clean up petroleum spills immediately. Cover storage areas to prevent chemicals from coming into contact with rainwater.
Design Specifications	N/A

5.5.4 Hazardous or Toxic Waste

(Note: Examples include paints, solvents, petroleum-based products, wood preservatives, additives, curing compounds, acids.)

General

- Hazardous Products may include but are not limited to paints, acids for cleaning masonry surfaces, cleaning solvents, and concrete curing compounds and additives. The following practices will help to avoid pollution of stormwater by these products.

Specific Pollution Prevention Practices

Hazardous & Toxic Waste prevention	
Description: Hazardous Product Waste Prevention and Containment	
Installation	During construction period
Maintenance Requirements	Keep materials in a dry covered area. Have equipment to contain and clean up spills of hazardous materials in the areas where these materials are stored or used. Contain and clean up spills immediately after they occur.
Design Specifications	N/A

5.5.5 Construction and Domestic Waste

(Note: Examples include packaging materials, scrap construction materials, masonry products, timber, pipe and electrical cuttings, plastics, styrofoam, concrete, and other trash or building materials.)

General

- This disposal of building materials and other construction site wastes will be managed carefully. Construction Wastes that may be encountered on-site include the following:
 - Trees and shrubs removed during clearing and grubbing.
 - Packaging materials (including wood, paper, plastic, etc.).
 - Scrap or surplus building materials (scrap metals, rubber, plastic and glass pieces, masonry products, and other solid waste materials).
 - Paints and paint thinners.

Specific Pollution Prevention Practices

Construction and Domestic Waste Prevention	
Description: Pollution Prevention Practices	
Installation	During construction period
Maintenance Requirements	A waste collection area shall be designated on the site that does not receive a substantial amount of runoff from upland areas and does not drain directly to a waterbody or storm drain. All waste containers shall be covered to avoid contact with wind and precipitation. Waste collection shall be scheduled frequently enough to prevent containers from overfilling. All construction site wastes shall be collected, removed and disposed of in accordance with applicable regulatory requirements and only at authorized disposal sites. Equipment and containers shall be checked for leaks, corrosion, support or foundation failure, or other signs of deterioration. Those that are found to be defective shall be immediately repaired or replaced.
Design Specifications	See Plan Set per Appendix A

5.5.6 Sanitary Waste

General

- There will be sanitary waste from workers during construction activities that will be confined to temporary facilities. Domestic waste haulers licensed by the State of Massachusetts will be contracted to regularly remove the sanitary waste and to maintain the facilities in good working order. Portable toilets are to be positioned so that they are secure and will not be tipped or knocked over.

5.6 Washing of Applicators and Containers used for Paint, Concrete or Other Materials

Instructions (see CGP Parts 2.3.4 and 7.2.6):

- Describe how you will comply with the CGP Part 2.3.4 requirement for washing applications and containers.

General

- Concrete washout area shall be provided as needed in an upland location within the limit of work.

Specific Pollution Prevention Practices

Concrete Washout Area	
Description: See Plan Set per Appendix A	
Installation	Washout Area shall be installed as needed when concrete is used on-site. Choose an upland location within the limit of work, surround the area with filter socks, line with poly liner, and sign the area as "Concrete Washout". Locate any washout or cleanout activities as far away as possible from surface waters and stormwater inlets or conveyances.
Maintenance Requirements	Dispose of material at an approved off-site location when height of the concrete material reaches half the height of the filter socks. All tools used for concrete placement shall be washed into the washout area.
Design Specifications	See Plan Set prepared by DiPrete Engineering

5.7 Fertilizers

Instructions (CGP Parts 2.3.5 and 7.2.6.ix):

Describe how you will comply with the CGP Part 2.3.5 requirement for the application of fertilizers.

General

- Fertilizers and detergents contain nutrients, such as phosphorous and nitrogen, which can contribute to water pollution. The following practices should be utilized to reduce the risks of using fertilizers/detergent products.

Specific Pollution Prevention Practices

Fertilizer	
Description:	
Installation	During construction period
Maintenance Requirements	Limit the application of fertilizers to the minimum area and the minimum recommended amounts. Reduce the exposure of nutrients to stormwater runoff by working the fertilizer deep into the soil (depth of 4 to 6 inches) instead of letting it remain on the surface. Apply fertilizer more frequently, but at lower application rates. Hydro-seeding where lime and fertilizers are applied to the ground surface in one application should be limited where possible. Limit the use of detergents on-site; wash water containing detergents should not be discharged into the stormwater system. Apply fertilizer and use detergents only in the recommended manner and only in recommended amounts.
Design Specifications	N/A

5.8 Other Pollution Prevention Practices

<p>Instructions:</p> <p>Describe any additional pollution prevention practices that do not fit into the above categories.</p>

General

- N/A

SECTION 6: INSPECTION, MAINTENANCE, AND CORRECTIVE ACTION

6.1 Inspection Personnel and Procedures

Instructions (see CGP Parts 3.2, 4, 5, and 7.2.7):

Describe the procedures you will follow for conducting inspections in accordance with CGP Parts 3.2, 4, 5, and 7.2.7.

Personnel Responsible for Inspections

TO BE DETERMINED

INSERT NAMES OF PERSONNEL OR TYPES OF PERSONNEL WHO WILL BE CONDUCTING SITE INSPECTIONS HERE

Note: All personnel conducting inspections must be considered a "qualified person." CGP Part 4.1 clarifies that a "qualified person" is a person knowledgeable in the principles and practices of erosion and sediment controls and pollution prevention, who possesses the appropriate skills and training to assess conditions at the construction site that could impact stormwater quality, and the appropriate skills and training to assess the effectiveness of any stormwater controls selected and installed to meet the requirements of this permit.

Inspection Schedule

Select the inspection frequency(ies) that applies, based on CGP Parts 4.2, 4.3, or 4.4

(Note: you may be subject to different inspection frequencies in different areas of the site. Check all that apply)

Standard Frequency:
<input type="checkbox"/> Every 7 days <input checked="" type="checkbox"/> Every 14 days and within 24 hours of a 0.25" rain or the occurrence of runoff from snowmelt sufficient to cause a discharge
Increased Frequency (if applicable):
For areas of sites discharging to sediment or nutrient-impaired waters or to waters designated as Tier 2, Tier 2.5, or Tier 3 <input type="checkbox"/> Every 7 days and within 24 hours of a 0.25" rain
Reduced Frequency (if applicable)
For stabilized areas <input checked="" type="checkbox"/> Twice during first month, no more than 14 calendar days apart; then once per month after first month; <ul style="list-style-type: none"> ▪ SPECIFY LOCATIONS WHERE STABILIZATION STEPS HAVE BEEN COMPLETED ▪ INSERT DATE THAT THEY WERE COMPLETED (Note: It is likely that you will not be able to include this in your initial SWPPP. If you qualify for this reduction (see CGP Part 4.4.1), you will need to modify your SWPPP to include this information.)
For stabilized areas on "linear construction sites" <input type="checkbox"/> Twice during first month, no more than 14 calendar days apart; then once more within 24 hours of a 0.25" rain <ul style="list-style-type: none"> ▪ SPECIFY LOCATIONS WHERE STABILIZATION STEPS HAVE BEEN COMPLETED ▪ INSERT DATE THAT THEY WERE COMPLETED

(Note: It is likely that you will not be able to include this in your initial SWPPP. If you qualify for this reduction (see CGP Part 4.4.1), you will need to modify your SWPPP to include this information.)

For arid, semi-arid, or drought-stricken areas during seasonally dry periods or during drought

- ☐ Once per month and within 24 hours of a 0.25" rain

Insert beginning and ending dates of the seasonally-defined dry period for your area or the valid period of drought:

- Beginning date of seasonally dry period: [INSERT APPROXIMATE DATE](#)
- Ending date of seasonally dry period: [INSERT APPROXIMATE DATE](#)

For frozen conditions where earth-disturbing activities are being conducted

- ☒ Once per month

Insert beginning and ending dates of frozen conditions on your site:

- Beginning date of frozen conditions: [INSERT APPROXIMATE DATE](#)
- Ending date of frozen conditions: [INSERT APPROXIMATE DATE](#)

Rain Gauge Location (if applicable)

See www.wunderground.com for the nearest station location.

Holly Heights Station (KMAWESTW18), Wareham, MA

Inspection Report Forms

[SEE APPENDIX D](#)

(Note: EPA has developed a sample inspection form that CGP operators can use. The form is available at <https://www.epa.gov/npdes/stormwater-discharges-construction-activities#resources>)

6.2 Corrective Action

Instructions (CGP Parts 5 and 7.2.7):

- Describe the procedures for taking corrective action in compliance with CGP Part 5.

Personnel Responsible for Corrective Actions

TO BE DETERMINED

INSERT NAMES OF PERSONNEL OR TYPES OF PERSONNEL RESPONSIBLE FOR CORRECTIVE ACTIONS

Corrective Action Forms

SEE APPENDIX E

(Note: EPA has developed a sample corrective action form that CGP operators can use. The form is available at <https://www.epa.gov/npdes/stormwater-discharges-construction-activities#resources>)

6.3 Delegation of Authority

Instructions:

- Identify the individual(s) or positions within the company who have been delegated authority to sign inspection reports.
- Attach a copy of the signed delegation of authority (see example in Appendix J of the Template.)
- For more on this topic, see Appendix I, Subsection 11 of EPA's CGP.

Duly Authorized Representative(s) or Position(s):

TO BE DETERMINED

Insert Company or Organization Name

Insert Name

Insert Position

Insert Address

Insert City, State, Zip Code

Insert Telephone Number

Insert Fax/Email

SECTION 7: TRAINING

Instructions (see CGP Part 6 and 7.2.8):

- Complete the table below to provide documentation that the personnel required to be trained in CGP Part 6 completed the appropriate training
- If personnel will be taking course training (which is not required as part of the CGP), consider using Appendix I of this SWPPP template to track completion of this training
- The following personnel, at a minimum, must receive training, and therefore should be listed out individually in the table below:
 - ✓ Personnel who are responsible for the design, installation, maintenance, and/or repair of stormwater controls (including pollution prevention measures);
 - ✓ Personnel responsible for the application and storage of treatment chemicals (if applicable);
 - ✓ Personnel who are responsible for conducting inspections as required in Part 4.1; and
 - ✓ Personnel who are responsible for taking corrective actions as required in Part 5.
- CGP Part 6 requires that the required personnel must be trained to understand the following if related to the scope of their job duties:
 - ✓ The permit deadlines associated with installation, maintenance, and removal of stormwater controls and with stabilization;
 - ✓ The location of all stormwater controls on the site required by this permit, and how they are to be maintained;
 - ✓ The proper procedures to follow with respect to the permit's pollution prevention requirements; and
 - ✓ When and how to conduct inspections, record applicable findings, and take corrective actions.

Table 7-1: Documentation for Completion of Training

[illegible]

SECTION 8: CERTIFICATION AND NOTIFICATION

Instructions (CGP Appendix I, Part I.11.b):

- The following certification statement must be signed and dated by a person who meets the requirements of Appendix I, Part I.11.b.
- This certification must be re-signed in the event of a SWPPP Modification.

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 have no personal knowledge that the information submitted is other than 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.

Name: Leonard R. Bradley Jr. Title: Principal

Signature: _____ Date: _____

SWPPP APPENDICES

Attach the following documentation to the SWPPP:

Appendix A – Site Maps

Appendix B – Copy of 2017 CGP

(Note: The 2017 CGP is available at <https://www.epa.gov/npdes/epas-2017-construction-general-permit-cgp-and-related-documents>)

Appendix C – NOI and EPA Authorization Email

Appendix D – Inspection Form

(Note: EPA has developed a sample inspection form that CGP operators can use. The form is available at <https://www.epa.gov/npdes/stormwater-discharges-construction-activities#resources>)

Appendix E – Corrective Action Form

(Note: EPA has developed a sample corrective action form that CGP operators can use. The form is available at <https://www.epa.gov/npdes/stormwater-discharges-construction-activities#resources>)

Appendix F – SWPPP Amendment Log

Appendix G – Subcontractor Certifications/Agreements

Appendix H – Grading and Stabilization Activities Log

Appendix I – Training Log

Appendix J – Delegation of Authority

Appendix K – Endangered Species Documentation

Appendix L – Historic Preservation Documentation

Appendix N – Sediment Trap Calculations

Appendix A – Site Maps

See site plans entitled “Cranberry Highway” by DiPrete Engineering (latest edition).

A full size set of the latest edition plans must be kept onsite for reference at all times during construction.

Appendix B – Copy of 2017 CGP

(Note: The 2017 CGP is available at <https://www.epa.gov/npdes/epas-2017-construction-general-permit-cgp-and-related-documents>)

Appendix C – Copy of NOI and EPA Authorization email

Appendix D – Copy of Inspection Form

(Note: EPA has developed a sample inspection form that CGP operators can use. The form is available at <https://www.epa.gov/npdes/stormwater-discharges-construction-activities#resources>)

Appendix E – Copy of Corrective Action Form

INSERT COPY OF CORRECTIVE ACTION FORMS YOU WILL USE

(Note: EPA has developed a sample corrective action form that CGP operators can use. The form is available at <https://www.epa.gov/npdes/stormwater-discharges-construction-activities#resources>)

Appendix F – *Sample* SWPPP Amendment Log

Instructions (see CGP Part 7.4):

- Create a log here of changes and updates to the SWPPP. You may use the table below to track these modifications.
- SWPPP modifications are required pursuant to CGP Part 7.4.1 in the following circumstances:
 - ✓ Whenever new operators become active in construction activities on your site, or you make changes to your construction plans, stormwater controls, or other activities at your site that are no longer accurately reflected in your SWPPP;
 - ✓ To reflect areas on your site map where operational control has been transferred (and the date of transfer) since initiating permit coverage;
 - ✓ If inspections or investigations determine that SWPPP modifications are necessary for compliance with this permit;
 - ✓ Where EPA determines it is necessary to install and/or implement additional controls at your site in order to meet requirements of the permit; and
- To reflect any revisions to applicable federal, state, tribal, or local requirements that affect the stormwater control measures implemented at the site.
- If applicable, if a change in chemical treatment systems or chemically-enhanced stormwater control is made, including use of a different treatment chemical, different dosage rate, or different area of application.

No.	Description of the Amendment	Date of Amendment	Amendment Prepared by [Name(s) and Title]
		INSERT DATE	
		INSERT DATE	
		INSERT DATE	
		INSERT DATE	
		INSERT DATE	
		INSERT DATE	
		INSERT DATE	
		INSERT DATE	

Appendix G – *Sample* Subcontractor Certifications/Agreements

SUBCONTRACTOR CERTIFICATION
STORMWATER POLLUTION PREVENTION PLAN

Project Number: _____

Project Title: _____

Operator(s): _____

As a subcontractor, you are required to comply with the Stormwater Pollution Prevention Plan (SWPPP) for any work that you perform on-site. Any person or group who violates any condition of the SWPPP may be subject to substantial penalties or loss of contract. You are encouraged to advise each of your employees working on this project of the requirements of the SWPPP. A copy of the SWPPP is available for your review at the office trailer.

Each subcontractor engaged in activities at the construction site that could impact stormwater must be identified and sign the following certification statement:

I certify under the penalty of law that I have read and understand the terms and conditions of the SWPPP for the above designated project and agree to follow the practices described in the SWPPP.

This certification is hereby signed in reference to the above named project:

Company: _____

Address: _____

Telephone Number: _____

Type of construction service to be provided: _____

Signature: _____

Title: _____

Date: _____

Appendix H – *Sample* Grading and Stabilization Activities Log

Date Grading Activity Initiated	Description of Grading Activity	Description of Stabilization Measure and Location	Date Grading Activity Ceased (Indicate Temporary or Permanent)	Date When Stabilization Measures Initiated
INSERT DATE			INSERT DATE <input type="checkbox"/> Temporary <input type="checkbox"/> Permanent	INSERT DATE
INSERT DATE			INSERT DATE <input type="checkbox"/> Temporary <input type="checkbox"/> Permanent	INSERT DATE
INSERT DATE			INSERT DATE <input type="checkbox"/> Temporary <input type="checkbox"/> Permanent	INSERT DATE
INSERT DATE			INSERT DATE <input type="checkbox"/> Temporary <input type="checkbox"/> Permanent	INSERT DATE
INSERT DATE			INSERT DATE <input type="checkbox"/> Temporary <input type="checkbox"/> Permanent	INSERT DATE
INSERT DATE			INSERT DATE <input type="checkbox"/> Temporary <input type="checkbox"/> Permanent	INSERT DATE
INSERT DATE			INSERT DATE <input type="checkbox"/> Temporary <input type="checkbox"/> Permanent	INSERT DATE
INSERT DATE			INSERT DATE <input type="checkbox"/> Temporary <input type="checkbox"/> Permanent	INSERT DATE

Appendix I – *Sample* SWPPP Training Log

Stormwater Pollution Prevention Training Log

Project Name:

Project Location:

Instructor's Name(s):

Instructor's Title(s):

Course Location: _____ Date: _____

Course Length (hours): _____

Stormwater Training Topic: *(check as appropriate)*

- | | |
|--|---|
| <input type="checkbox"/> Sediment and Erosion Controls | <input type="checkbox"/> Emergency Procedures |
| <input type="checkbox"/> Stabilization Controls | <input type="checkbox"/> Inspections/Corrective Actions |
| <input type="checkbox"/> Pollution Prevention Measures | |

Specific Training Objective: _____

Attendee Roster: *(attach additional pages as necessary)*

No.	Name of Attendee	Company
1		
2		
3		
4		
5		
6		
7		
8		

Appendix J – *Sample* Delegation of Authority Form

Delegation of Authority

I, _____ (name), hereby designate the person or specifically described position below to be a duly authorized representative for the purpose of overseeing compliance with environmental requirements, including the Construction General Permit (CGP), at the _____ construction site. The designee is authorized to sign any reports, stormwater pollution prevention plans and all other documents required by the permit.

_____ (name of person or position)
_____ (company)
_____ (address)
_____ (city, state, zip)
_____ (phone)

By signing this authorization, I confirm that I meet the requirements to make such a designation as set forth in Appendix I of EPA's CGP, and that the designee above meets the definition of a "duly authorized representative" as set forth in Appendix I.

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 have no personal knowledge that the information submitted is other than 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.

Name: _____

Company: _____

Title: _____

Signature: _____

Date: _____

Appendix K – Endangered Species Documentation

[See Website listed in Section 3.1](#)

Appendix L – Historic Properties Documentation

N/A

Appendix M – Rainfall Gauge Recording

Use the table below to record the rainfall gauge readings at the beginning and end of each work day. An example table follows.

Month/Year			Month/Year			Month/Year		
Day	Start time	End time	Day	Start time	End time	Day	Start time	End time
1			1			1		
2			2			2		
3			3			3		
4			4			4		
5			5			5		
6			6			6		
7			7			7		
8			8			8		
9			9			9		
10			10			10		
11			11			11		
12			12			12		
13			13			13		
14			14			14		
15			15			15		
16			16			16		
17			17			17		
18			18			18		
19			19			19		
20			20			20		
21			21			21		
22			22			22		
23			23			23		
24			24			24		
25			25			25		
26			26			26		
27			27			27		
28			28			28		
29			29			29		
30			30			30		
31			31			31		

Example Rainfall Gauge Recording

April 2017			May 2017			June 2017		
Day	7:00 am	4:400 pm	Day	7:00 am	4:00 pm	Day	7:00 am	4:00 pm
1	--	--	1	0.2	0	1	0	0.4
2	--	--	2	0	0	2	0	0
3	0	0	3	0.1	0.3	3	--	--
4	0	0.3	4	0	0	4	--	--
5	0	0	5	0	0	5	0	0

In this example (for only partial months), 0.25-inch rainfall inspections would have been conducted on April 4 and June 1.

Appendix N – Sediment Trap Calculations

Temporary Sediment Trap Sizing

NOTE: Only for use on contributing drainage areas of 5 acres or less. For areas larger than 5 acres use a **Temporary Sediment Basin**.

Below design parameters in accordance with: MA Erosion and Sediment Control Guidelines - Page 152 Sediment Trap

Sediment Trap A

Tributary Drainage Area =	1.180	acres
Sediment Storage Volume Required, V_R =	2,124	cubic feet
Bottom of Trap ELEV	48.00	feet
Spillway invert ELEV	50.00	feet
Top of Trap Embankment ELEV (1.5' above spillway)	51.50	feet
Bottom of Trap Area (Ab)	841.00	feet
Surface Area at Spillway elev (As)	1,328.00	feet
Trap 'Design Depth' (D)	2.00	feet
Bottom of Spillway Width	6	feet
Sediment Storage Volume Provided, V_P =	2,169	

OK
1,800 cu ft of storage per acre of tributary area
must be 1.5 feet below top of embankment
max 5 ft above outside toe of embankment
enter area from autocad
enter area from autocad
per table

FIGURES TO REPORT ON SESC DETAIL SHEET:

TRIBUTARY DRAINAGE AREA	1.18
DESIGN DEPTH (D)	2.00
BOTTOM OF TRAP AREA (Ab)	841
SURFACE AREA AT SPILLWAY (As)	1,328

