1. PROJECT DESCRIPTION

This project involves the removal of Culvert 98F and its headwalls. Culvert 98F will be replaced with a precast arch with an 8-foot rise, spanning 24 feet over Jewel Brook. On new alignments along the same alignment, culverts will be installed in the Town of Ludlow at VT 100, approximately at the intersections of VT 100, Brooks Road (TH 41), and Tuckerville Parkway. The new alignment of Culvert 98F will be increased to 117 feet.

Note: Area of disturbance includes limits of earth disturbance within the project area, as well as water retention areas, staging areas, and other temporary earthwork areas within or directly adjacent to the project limits as shown on the attached EPSC plan.

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Note: Area of disturbance includes limits of earth disturbance within the project area, as well as water retention areas, staging areas, and other temporary earthwork areas within or directly adjacent to the project limits as shown on the attached EPSC plan.

1.2 SITE INVENTORY

1.2.1 TOPOGRAPHY

The topography of the area is a saddle that is mostly well established forest with occasional open areas, VT 100, Brooks Road (TH 41), Tuckerville Parkway, and a paved roadway are within or directly adjacent to the project site. There is a residence on the east side of the project, and a few houses upslope to the west with grass and tree buffers.

1.2.2 DRAINAGE, WATERSHEDS, AND WATERS, AND PROXIMITY TO NATURAL OR MAN-MADE WATER FEATURES

The Jewel Brook is the only water source on the project site. The Jewel Brook is classified as unpolluted. There are no other water features within or directly adjacent to the project site.

1.2.3 VEGETATION

The vegetation of the project area consists of hardwood trees and undergrowth. The area will be used for a new roadway from Tuckerville Parkway to the Town of Ludlow.

1.2.4 SOILS

All soil data came from the USEPA and Department of Agriculture Conservation Service for the County of Windsor, Vermont. Soils on the project site are Berkshire and Manadnock Fine Sandy Loam, 35% to 50% soil K factor = 0.3. The soil is considered moderately erosible due to significant slopes.

Note: K-values generally indicate the following:

0.0 - 0.23 = Low Erosion Potential
0.24 - 0.36 = Moderate Erosion Potential
0.37 and Higher = High Erosion Potential

1.2.5 SENSITIVE RESOURCE AREAS

Note: Projects involving multiple structures, separated by areas of non-disturbance, the designer shall complete the sensitive resource section which structures as development disturbance may need to be combined and therefore fall under the jurisdiction of the CGP 3-9020.

Option 1: This project does not fall under the jurisdiction of the General Permit 3-9020 for Stormwater runoff from construction sites. Should changes prior to or during construction result in one or more acres of earth disturbance or should the project become a larger part of a larger project of development, the contractor will be responsible for any additional permitting.

Option 2: This project falls under the jurisdiction of General Permit 3-9020 for Stormwater runoff from construction sites. Any modifications to the project that increase the risk to environmental resources shall be evaluated in accordance with the permitting requirements for that specific project. The contractor will be responsible for any additional permitting.

1.4 EROSION PREVENTION AND SEDIMENT CONTROL

1.4.1 MARK SITE BOUNDARIES

General Language (Copied as stated):

SITE BOUNDARIES AND PROJECT台州 EQUIPMENT CAN ACCESS SHALL BE DELINQUENT.

Project Specific Measures (needs to be written to specific to the project, make a note if not being used):

PROJECT DEMARCATION FENCING WITHIN 100 FEET OF A WATER RESOURCE (STREAM, BROOK, LAKE, POND, WETLAND, ETC.) WILL BE CHAINED AS SHOWN ON THE PLANS AND IN THE CONTRACTORS CHECKLIST.

1.4.2 LIMIT DISTURBANCE AREA

General Language (Copied as stated):

PROJECT DEMARCATION FENCING WITHIN 100 FEET OF A WATER RESOURCE (STREAM, BROOK, LAKE, POND, WETLAND, ETC.) WILL BE CHAINED AS SHOWN ON THE PLANS AND IN THE CONTRACTORS CHECKLIST.

Project Specific Measures (needs to be written specific to the project, make a note if not being used):

PROJECT DEMARCATION FENCING WITHIN 100 FEET OF A WATER RESOURCE (STREAM, BROOK, LAKE, POND, WETLAND, ETC.) WILL BE CHAINED AS SHOWN ON THE PLANS AND IN THE CONTRACTORS CHECKLIST.

1.4.3 DIVERT UPLAND RUNOFF

General Language (Copied as stated):

1.4.4 INSTALL SEDIMENT BARRIERS

General Language (Copied as stated):

1.4.5 PERMANENT STORMWATER TREATMENT DEVICES

FOLLOW SPECIFICATION 105.25 - 105.29 OF THE STANDARD SPECIFICATIONS FOR CONSTRUCTION.

1.5 CONSTRUCTION SEQUENCE

1.5.1 CONSTRUCTION SEQUENCE

PROJECT DEMARCATION FENCING (PDF) SHALL BE USED TO PHYSICALLY MARK SITE BOUNDARIES. BECAUSE THIS PROJECT FALLS UNDER THE CGP 3-9020, PROJECT DEMARCATION FENCING (PDF) SHALL BE USED TO PHYSICALLY Mark SITE BOUNDARIES. BECAUSE THIS PROJECT FALLS UNDER THE CGP 3-9020, WOVEN WIRE REINFORCED SILT FENCE SHALL BE USED INSTEAD OF SILT FENCE WITHIN 100 FEET UPSLOPE OF RECEIVING WATERS.

1.5.2 OFF-SITE ACTIVITIES

1.5.3 INSPECT THE PROJECT SITE BASED ON SPECIAL PROVISION REQUIREMENTS OR CONSTRUCTION GENERAL PERMIT REQUIREMENTS. THE CONTRACTOR WILL BE RESPONSIBLE FOR ANY ADDITIONAL PERMITTING.