

**WOODSTOCK
44259**

December 15, 2023

SPECIAL PROVISION

AMENDMENT TO SECTION 645 -- EROSION CONTROL

Item 645.73 –Stream Diversion Plan

This special provision provides for the Stream Diversion Plan and neither amends nor modifies the provisions of this section except as noted below.

Add to Construction Requirements:

3.10 Stream Diversion Plan.

3.10.1 This item addresses the preparation of the Stream Diversion Plan (SDP) outlined at Env-Wt 527.05 when required as a condition in the NH Wetland Bureau Dredge and Fill Permit(s). The SDP shall be prepared, stamped, and signed by a Licensed Professional Engineer registered in the State of New Hampshire, and a Certified Professional Erosion and Sediment Control Specialist (CPESC) certified by Envirocert International, Inc., qualified to prepare stream diversion plans, hereinafter called the “Preparer”. Collaboration with other professionals such as soil scientists, geologists and environmentalists may be required as appropriate.

3.10.1.1 Qualifications for the SDP Preparer shall include a minimum of 5 years’ experience or knowledge of highway and bridge construction operations and methods of construction, and demonstrated knowledge of erosion and sediment control, and stormwater management measures. The SDP Preparer shall have previously submitted accepted plans to the New Hampshire Department of Environmental Services (NHDES) under RSA 485-A:17 - Alteration of Terrain, and RSA 482-A - Fill and Dredge in Wetlands.

3.10.1.2 The SDP Monitor shall be a “Qualified Person,” as specified in the Special Provision for Item 645.71.

3.10.1.3 The Contractor shall submit the name and qualifications of the person or firm proposed to prepare the SDP to the Engineer for documentation prior to preparing the SDP.

3.10.2 The SDP shall be prepared in accordance with Env-Wq 1504.06, Env-Wq 1504.16, Env-Wq 1505.02, and Env-Wq 1506. Any amendments to the SDP required by site conditions, schedule changes, revised work, construction methodologies, will require acceptance by the Engineer. The Preparer is responsible for preparation of the SDP, and all amendments, inspections, and reports necessary to comply with the Env-Wq rules outlined above.

3.10.2.1 Department plan drawings will show the construction site(s) conditions prior to and after construction by including property lines, right-of-way lines, easements, existing and new structures, drainage, flood plains, wetlands, limits of clearing and grading, proposed final drainage, detours, permanent erosion and sediment control measures, and other critical items.

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The Contractor's SDP drawings shall show temporary drainage and erosion and sediment control measures for the stream diversion(s) on the Contract plans provided by the Department.

3.10.2.2 Additional design typical details for erosion and sediment control not shown on the Department plans shall be included in the SDP. Calculations shall be submitted for documentation to verify all erosion and sediment control and stormwater management practices such as, but not limited to, sediment retention and detention basins, energy dissipaters, diversions, waterways, and control of runoff.

3.10.3 The SDP Preparer shall assist the Contractor in implementing the SDP and recommending modifications to the SDP, as necessary. The SDP Preparer shall make modifications to the SDP as necessary and resubmit for review and acceptance in accordance with 3.1.1 and 105.02.

3.10.3.1 Monitoring erosion and sediment controls as specified in the SDP shall include on-site reviews, weekly (at least once every 7 days) and within 24 hours after any storm event greater than 0.5" of rain per 24-hour period and producing meeting minutes of the weekly meetings for distribution as required. An SDP Monitoring Report prepared by the SDP Monitor shall include the following:

- inspection date
- name, title, and qualifications and signature of person performing the inspection
- a description of project progress, including verification of permit compliance
- if any permit requirements are not being met, an explanation of the corrective action(s) with applicable requirements and the deadline by which such actions will be completed
- representative photographs of the site that are representative of the project

3.10.3.2 The SDP Monitor shall report any deficiencies or non-compliance issues to the Contractor and Engineer prior to exiting the site. Within 24 hours of completing the on-site review, the SDP Monitor shall provide a formal electronic copy of the SDP Monitoring Report to the Contractor for transmittal to the Engineer. The Contractor shall maintain these reports on site.

3.10.3.3 The Preparer of the SDP shall be available for on-site consultations with the Engineer within 24 hours of request.

3.10.4 Project work may be suspended, wholly or in part, for failure to implement and maintain the accepted SDP, in accordance with 105.01.

Add to Method of Measurement:

4.10 The SDP will be measured as a unit. A unit will include preparation, submittals, modifications, and resubmittals.

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Add to Basis of Payment:

5.11 The SDP will be paid for at the Contract lump sum price upon acceptance.

5.11.1 Modifications and resubmittals of the SDP will be subsidiary.

5.11.2 Erosion and sediment control and stormwater management items necessary to implement and maintain the SDP for the construction site(s) will be paid for under the appropriate erosion control bid item(s) or as provided under Section 699, as approved by the Engineer.

5.12 Monitoring of the SDP and the SDP Monitoring Report will be paid under Item 645.71.

Add to Pay items and units:

645.73	Stream Diversion Plan	Unit
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