Section 157:

WFL Specification 06/15/22

In all projects, include one of the following Section 157 requirements.

Select the appropriate bookmark (Select *Insert* tab; then select *Bookmark* icon; select bookmark) and copy that content to the project SCR:

Bookmark [Case1\_157](#Option1_157): Section 157 for projects that do not require NPDES permits in all states;

Bookmark [Case2\_157](#Option2_157): Section 157 for projects in Alaska (excluding Denali NP and Metlakatla Indian Reservation) that have a State issued NPDES permit;

Bookmark [Case3\_157](#Option3_157): Section 157 for projects in Oregon that have a State issued NPDES permit;

Bookmark [Case4\_157](#Option4_157): Section 157 for projects in Washington, Denali NP, Metlakatla Indian Reservation, and Tribal Lands in Idaho that have an EPA issued NPDES permit;

Bookmark [Case5\_157](#Option5_157): Section 157 for projects in Montana that have a State issued NPDES permit; or,

Bookmark [Case6\_157](#Option6_157): Section 157 for projects in Wyoming that have a State issued NPDES permit.

Bookmark [Case7\_157](#Option7_157): Section 157 for projects in Idaho (excluding Tribal Lands in Idaho) that have a State issued NPDES permit.

Consult with Environment Team to determine appropriate permit requirements.

## Section 157. — SOIL EROSION AND SEDIMENT CONTROL

01/06/23(1)– FP-14

CASE 1:

WFL Specification 04/02/21 1571

1) Include the following Section 157 SCR’s as directed below in all projects that do not require NPDES permits.

Consult with WFL Environment before revising these SCR’s.

WFL Specification 08/01/19 15710010

Include the following when check dams are required.

Material

### 157.02

Add the following to the material list:

Filter Rock 705.08

Construction Requirements

### 157.11 Waterway and Slope Protection and Stabilization.

Delete paragraph (c) and substitute the following:

**(c) Check dams.** Construct riprap, filter rock, gravel bags, sandbags, fiber rolls and socks, or earth berms for temporary check dams to reduce the velocity of runoff in ditches and swales.

WFL Specification 01/01/14 15710020

Include the following in projects where the responsibility for removal of erosion control devices is not part of the contract.

Revise the third paragraph of Subsection 157.15. Example:

“Removal and disposal of erosion control devices designated to remain will be performed by others.”

Note: Coordinate requirements with Subsection 107.01 if necessary.

### 157.15 Maintenance and Cleanup.

Delete the third paragraph and substitute the following:

[INSERT REQUIREMENTS]

WFL Specification 09/17/18 15710030

Include the following in all projects.

### 157.16 Acceptance.

Delete the text of the first paragraph and substitute the following:

Material for erosion and sediment control measures will be evaluated under Subsections 106.02 and 106.03. Do not provide a copy of the certifications for erosion and sediment control materials to the CO, unless otherwise directed by the CO.

## Section 157. — SOIL EROSION AND SEDIMENT CONTROL

01/06/23(2)– FP-14

CASE 2:

WFL Specification 04/02/21 1572

2) Include the following Section 157 SCR’s as directed below in all projects in Alaska (excluding Denali NP and Metlakatla Indian Reservation) with a State issued NPDES permit.

Consult with WFL Environment before revising these SCR’s.

WFL Specification 08/01/19 15720010

Include the following when check dams are required.

Material

### 157.02

Add the following to the material list:

Filter Rock 705.08

Construction Requirements

WFL Specification 04/02/21 15720020

Include the following in all projects.

### 157.03 Qualifications.

Delete this Subsection and substitute the following:

Provide an Erosion Control Supervisor (ECS) meeting one of the following criteria:

**(a)** Alaska Certified Erosion and Sediment Control Lead (AK-CESCL);

**(b)** Certified Professional in Erosion and Sediment Control (CPESC);

**(c)** Certified Professional in Storm Water Quality (CPSWQ);

**(d)** Certified Erosion, Sediment and Storm Water Inspector (CESSWI); or

**(e)** Certified Inspector of Sediment and Erosion Control (CISEC).

### 157.04 General.

Delete the text of this Subsection and substitute the following:

Provide and install permanent and temporary measures to control erosion, sedimentation, and discharge of pollutants, according to the Alaska Pollutant Discharge Elimination System Construction General Permit (CGP), the project Storm Water Pollution Prevention Plan (SWPPP) of record, and this contract.

Immediately report to the CO any incident of non-compliance with the CGP that may endanger health or the environment. Provide copies of any correspondence or reports required by either the CGP or the SWPPP.

Provide an ECS to manage installation, maintenance, inspection, and reporting for erosion and sediment control measures, maintain and update the SWPPP of record, and prepare any documentation required by the CGP or the SWPPP. Furnish the ECS’s name, project office address, 24-hour telephone number(s), and qualifications at the preconstruction conference.

If wood chips are used, do not import without approval from the CO.

### 157.05 Controls and Limitations on Work.

Delete the text of this Subsection and substitute the following:

**(a)** Install all sediment perimeter control measures prior to clearing, grubbing, and grading activities. Install additional erosion and sediment control measures as needed during construction.

**(b)** Before conducting land clearing and disturbance, mark all clearing limits in the field. Mark trees, wetlands, sensitive areas, and buffer zones for preservation as shown on the plans. Preserve existing vegetation wherever possible.

**(c)** Stabilize and maintain construction access points between unpaved and paved sites to minimize tracking of mud and dirt onto public roads.

**(d)** Phase construction activities to minimize the amount and duration of soil exposed to erosion. Establish final grade as soon as practicable and apply temporary or permanent soil stabilization measures. Limit the combined grubbing, grading, excavating, borrow, and fill within the construction limits to 5 acres (2.0 hectares) of exposed soil at one time.

**(e)** Divert runoff around exposed soils.

**(f)** Commence temporary or permanent soil stabilization measures immediately, but no later than the end of the next day, if no further disturbance of an area of the site or stockpile is expected within the next 7 days in areas with a mean annual precipitation of 40 inches or greater; or within 14 days for those areas with a mean annual precipitation less than 40 inches. Complete installation of temporary soil stabilization measures to disturbed sites or stockpiles within 14 days and installation of permanent soil stabilization measures within 7 days of last disturbance. Provide for temporary stabilization of all exposed soil prior to winter construction shut down.

**(g)** Construct and maintain perimeter protection and locate erodible stockpiles away from storm drain inlets, waterways, and drainage channels.

**(h)** Handle and dispose of all pollutants, including construction materials, waste materials, and construction debris, in a manner that does not cause contamination of storm water.

**(i)** Apply fertilizers and other chemicals in a manner and at application rates that will not result in loss of chemicals to storm water runoff. Follow manufacturers label requirements except as otherwise required by the contract.

**(j)** Do not discharge concrete wastewater near or into waterways or wetlands. Submit proposed washout areas to the CO for approval.

WFL Specification 08/01/19 15720030

Include the following when check dams are required.

### 157.11 Waterway and Slope Protection and Stabilization.

Delete paragraph (c) and substitute the following:

**(c) Check dams.** Construct riprap, filter rock, gravel bags, sandbags, fiber rolls and socks, or earth berms for temporary check dams to reduce the velocity of runoff in ditches and swales.

WFL Specification 01/06/23 15720040

Include the following in all projects.

### 157.14 Inspection and Reporting.

Delete the text of this Subsection and substitute the following:

**(a)** Inspect the following areas of the project:

**(1)** All areas where soil has been disturbed and that have not been permanently stabilized;

**(2)** All erosion and sediment control measures and pollution prevention measures;

**(3)** Government-provided material, waste, borrow, staging and maintenance areas;

**(4)** All areas where storm water typically flows within the site;

**(5)** All points of storm water discharge from the site; and

**(6)** All locations where temporary stabilization measures have been implemented.

**(b)** Inspect all erosion and sediment control measures at least once every 7 days or once every 14 days and within 24 hours of a storm event that results in a discharge from the site. For areas of the state where the mean annual precipitation is 40 inches (1016 millimeters) or greater, inspect at least once every 7 days. Monitor rainfall using an on-site rain gauge. Specify in the project SWPPP which inspection schedule will be used and use the same schedule throughout the duration of construction.

Furnish completed inspection reports to the CO within 24-hours after performing an inspection.

**(c)** Inspections may be temporarily reduced or suspended as stated in the CGP and the following requirements:

**(1)** If a site is actively staffed and the entire site is stabilized in accordance with the CGP, inspections may be reduced to at least once every month and within two business days of the end of a storm event that results in a discharge from the site.

**(2)** If portions of the site have achieved final stabilization in accordance with the CGP but construction activity remains on other portions of the site, inspections may be suspended for those portions that have achieved final stabilization. Conduct subsequent inspections within two business days of the end of a storm event that results in a discharge from that portion of the site previously considered finally stabilized.

**(3)** If the project is undergoing winter shutdown and all control measures have been implemented and are documented in accordance with the CGP, inspections may stop 14 calendar days after the anticipated fall freeze-up and must resume inspections in accordance with the CGP at least 21 calendar days prior to the anticipated spring thaw.

Document the reason for the reduction in inspection frequency and locations (if applicable) in the SWPPP.

### 157.15 Maintenance and Cleanup.

Delete the text of this Subsection and substitute the following:

Maintain the functionality of erosion and sediment control measures, and clean measures that are half-full of sediment, until final acceptance or until disturbed sites are stabilized according to the CO. Remove and dispose accumulated sediment according to Subsection 204.14.

Implement maintenance of erosion and sediment control devices or other corrective action within the following time requirements:

**(a)** In the event of discharge of sediment or other pollutants, immediately take steps to prevent further discharge until a permanent solution is installed and made operational; and

**(b)** Begin corrective maintenance of sediment and erosion control devices within 24 hours of discovery and complete as soon as possible but no later than 7 days from time of discovery. Make revisions to the SWPPP according to the CGP.

Upon approval of the CO, remove and dispose of erosion and sediment control devices and structures according to Subsection 203.05. Restore the ground to its natural or intended condition and provide permanent erosion control measures.

WFL Specification 01/01/14 15720050

Include the following in projects where the responsibility for removal of erosion control devices is not part of the contract.

Revise the third paragraph of Subsection 157.15. Example:

“Removal and disposal of erosion control devices designated to remain will be performed by others.”

Note: Coordinate requirements with Subsection 107.01 if necessary.

[INSERT REQUIREMENTS]

WFL Specification 09/17/18 15720060

Include the following in all projects.

### 157.16 Acceptance.

Delete the text of the first paragraph and substitute the following:

Material for erosion and sediment control measures will be evaluated under Subsections 106.02 and 106.03. Do not provide a copy of the certifications for erosion and sediment control materials to the CO, unless otherwise directed by the CO.

## Section 157. — SOIL EROSION AND SEDIMENT CONTROL

01/06/23(3)– FP-14

CASE 3:

WFL Specification 04/02/21 1573

3) Include the following Section 157 SCR’s as directed below in all projects in Oregon with a State issued NPDES permit.

Consult with WFL Environment before revising these SCR’s.

WFL Specification 08/01/19 15730010

Include the following when check dams are required.

Material

### 157.02

Add the following to the material list:

Filter Rock 705.08

Construction Requirements

WFL Specification 01/06/23 15730020

Include the following in all projects.

### 157.03 Qualifications.

Delete this Subsection and substitute the following:

Provide an Erosion Control Supervisor (ECS) and Visual Monitoring Inspector meeting one of the following criteria:

**(a)** Certified Professional in Erosion and Sediment Control (CPESC);

**(b)** Certified Professional in Storm Water Quality (CPSWQ);

**(c)** Certified Inspector of Sediment and Erosion Control (CISEC);

**(d)** Washington State Certified Erosion and Sediment Control Lead (CESCL);

**(e)** Rogue Valley Sewer Services Erosion and Sediment Control Certification; or

**(f)** Oregon DEQ-Approved Erosion and Sediment Control Certification.

### 157.04 General.

Delete the text of this Subsection and substitute the following:

Provide and install permanent and temporary measures to control erosion, sedimentation, and discharge of pollutants, according to the state National Pollutant Discharge Elimination System construction storm water permit (1200-CA), the project Erosion and Sediment Control Plan (ESCP) of record, and this contract.

Immediately report to the CO any incident of non-compliance with the construction storm water permit that may endanger health or the environment. Provide copies of any correspondence or reports required by either the construction storm water permit or the ESCP.

Provide an ECS to manage installation, maintenance, inspection, and reporting for erosion and sediment control measures, maintain and update the ESCP of record, and prepare any documentation required by the construction storm water permit or the ESCP. Furnish the ECS’s name, project office address, 24-hour telephone number(s), and qualifications at the preconstruction conference.

If wood chips are used, do not import without approval of the CO.

### 157.05 Controls and Limitations on Work.

Delete the text of this Subsection and substitute the following:

**(a)** Install all sediment perimeter control measures prior to clearing, grubbing, and grading activities. Install additional erosion and sediment control measures as needed during construction.

**(b)** Before conducting land clearing and disturbance, mark all clearing limits in the field. Mark trees, wetlands, sensitive areas, and buffer zones for preservation as shown on the plans. Preserve existing vegetation wherever possible.

**(c)** Stabilize and maintain construction access points between unpaved and paved sites to minimize tracking of mud and dirt onto public roads. Remove sediment that has been tracked-out from the site by the end of the same day it is identified.

**(d)** Phase construction activities to minimize the amount and duration of soil exposed to erosion. Establish final grade as soon as practicable and apply temporary or permanent soil stabilization measures. Limit the combined grubbing, grading, excavating, borrow, and fill within the construction limits to 5 acres (2.0 hectares) of exposed soil at one time.

**(e)** Divert runoff around exposed soils.

**(f)** Commence temporary or permanent soil stabilization measures immediately if no further disturbance of an area of the site or stockpile is expected within the next 14 days. Complete installation of temporary soil stabilization measures to disturbed sites or stockpiles within 14 days and installation of permanent soil stabilization measures within 7 days of last disturbance. Provide for temporary stabilization of all exposed soil prior to winter construction shut down.

**(g)** Construct and maintain perimeter protection and locate erodible stockpiles away from storm drain inlets, waterways, and drainage channels. Locate stockpiles outside of natural buffers.

**(h)** Stabilize or cover stockpiles at the end of the workday and before extended breaks in construction if a storm event is forecasted that may result in discharge from the site or if wind speeds greater than 10 miles per hour are forecasted.

**(i)** Handle and dispose of all pollutants, including construction materials, waste materials, and construction debris, in a manner that does not cause contamination of storm water. Provide containers with lids or provide a cover (e.g., tarp, plastic sheeting) to prevent exposure to precipitation.

**(j)** Cover all sediment loads prior to leaving the construction site. If transporting saturated soils, use water-tight trucks or drain loads on site.

**(k)** Apply fertilizers and other chemicals in a manner and at application rates that will not result in loss of chemicals to storm water runoff. Follow manufacturers label requirements except as otherwise required by the contract.

**(l)** Do not discharge concrete wastewater near or into waterways or wetlands. Submit proposed washout areas to the CO for approval. Direct concrete wastewater into an impermeable-lined pit or leak-proof container sufficiently sized to avoid overflows.

**(m)** Remove accumulated sediment adjacent to inlet protection measures by the end of the same day it is identified, or by the end of the following day if removal the same day is not feasible.

**(n)** Remove sediment that leaves the site. Place sediment back on site and stabilize or dispose of sediment within 24 hours. Prevent further discharge of sediment from the site and complete a corrective action report.

WFL Specification 08/01/19 15730030

Include the following when check dams are required.

### 157.11 Waterway and Slope Protection and Stabilization.

Delete paragraph (c) and substitute the following:

**(c) Check dams.** Construct riprap, filter rock, gravel bags, sandbags, fiber rolls and socks, or earth berms for temporary check dams to reduce the velocity of runoff in ditches and swales.

WFL Specification 01/06/23 15730040

Include the following in all projects.

### 157.14 Inspection and Reporting.

Delete this Subsection and substitute the following:

**(a)** Inspect the following areas of the project:

**(1)** All areas where soil has been disturbed and that has not been permanently stabilized;

**(2)** All erosion and sediment control measures and pollution prevention measures;

**(3)** Government-provided material, waste, borrow, staging and maintenance areas;

**(4)** All areas where storm water typically flows within the site;

**(5)** All points of storm water discharge from the site; and

**(6)** All locations where temporary stabilization measures have been implemented.

**(b)** Conduct an inspection the first day that construction activities begin.

**(c)** Inspect all erosion and sediment control measures once every 14 days and within 24 hours of a storm event that results in discharge from the site, or when there is runoff from snowmelt sufficient to cause a discharge. If no discharge occurred within 24 hours of a storm event, then document that no discharge from the site has occurred.

Document the day that construction activities are completed in portions of the site or portions that will be temporarily inactive for 14 days and identify the location on site in the inspection report.

Submit completed inspection reports within 24-hours of performing an inspection.

**(d)** Inspections may be temporarily reduced or suspended in accordance with the 1200-CA and the following conditions:

**(1)** Inspections may be temporarily reduced to once every 14 days for the first month and then once per month, when construction is temporarily inactive for a period of greater than 14 days and if all disturbed areas have been either permanently or temporarily stabilized.

**(2)** For linear construction sites, portions of the project that have final stabilization measures implemented, inspections may be reduced to once every 14 days for the first month and then once more within 24 hours of any storm event leading to discharge from the site. If no issues or evidence of stabilization problems, inspections may be discontinued in the stabilized area.

**(3)** If the project is suspending construction activities due to frozen conditions, inspections may be suspended if all disturbed areas have been stabilized and only if discharges are unlikely due to continuous frozen conditions. If unexpected weather conditions occur that may result in discharges from the site, immediately resume inspections in accordance with the 1200-CA.

**(4)** If an inspection is not possible due to adverse weather conditions, a delayed inspection must occur once the site is accessible.

Document the reason for the reduction in inspection frequency and locations (if applicable) in the ESCP. Resume the normal inspection schedule in accordance with the 1200-CA once construction activities resume and/or the site is accessible.

**(e)** Identify all water quality sampling locations in the ESCP and record sampling results in the inspection forms. Conduct water quality sampling at all locations where construction stormwater runoff is entering a surface water.

**(f)** Visually monitor all points where stormwater is discharged into a receiving water, constructed or natural site drainage feature, or storm drain inlet. If there is visible turbidity or a sheen in the discharge, stop all earth disturbing construction activities, notify CO immediately, and conduct turbidity sampling.

**(g)** If there is visible turbidity or a sheen in the discharge, conduct turbidity sampling using a calibrated turbidity meter. Calibrate prior to sampling and on the same day of sampling.

Conduct turbidity sampling as follows using a calibrated turbidity meter and record in a daily log the date, time, location and turbidity levels at each monitoring location:

**(1)** Background location. Collect a sample at a relatively undisturbed location, approximately 100 feet up current from the disturbing activity and/or stormwater discharge location.

**(2)** Discharge location. Collect a sample at the point where stormwater runoff enters the surface water.

If turbidity as measured in Nephelometric Turbidity unit (NTU) is no more than 10 percent higher compared to the background location sample taken upstream, no further monitoring is required.

If turbidity exceeds 10 percent of background, stop all earth disturbing construction activities and notify CO immediately. Take immediate action to address the cause of exceedance. Once monitoring results show turbidity is no more than a 10 percent increase of the background NTU, construction activities can resume.

Submit completed monitoring reports within 24-hours of performing turbidity monitoring.

WFL Specification 01/06/23 15730050

Include the following in projects anticipated to use engineered soils as defined in the 1200-CA.

The benchmark value for pH is determined by the river basin containing the receiving waterbody according to OAR 340-041-0021. Update fill-ins below based on pH range for the receiving waterbody.

website link to determine pH limits:

[OAR 340-041-0021 - pH — Oregon Administrative Rules (public.law)](https://oregon.public.law/rules/oar_340-041-0021)

**(h)** Construction activity that involves use of engineered soils (including but not limited to cement kiln dust or fly ash), must capture stormwater runoff in a sediment impoundment and sample for pH as described below.

Conduct pH sampling using a calibrated pH meter when the engineered soils are first exposed to precipitation. Continue pH sampling every 7 days and within 24 hours of the occurrence of discharge from the site or within 24 hours of a storm event of 0.10 inches or greater of rain per 24 hour period as determined by an on-site rain gauge until final stabilization of the area of engineered soils has been established.

Collect a sample of the construction stormwater runoff in the sediment basin/impoundment immediately before the stormwater discharge into a surface water and at the discharge point to surface waters. Perform pH monitoring within 15 minutes of sample collection.

If pH is within the range from [INSERT pH low to pH high], no further monitoring is required.

If pH is [INSERT pH] or above, prevent high pH stormwater from entering storm sewer systems or discharging into the surface water. Adjust, or neutralize high pH using carbon dioxide (CO2) sparging or dry ice or as approved by the CO. Continue to monitor until pH is within the range from [INSERT pH low to pH high].

### 157.15 Maintenance and Cleanup.

Delete this Subsection and substitute the following:

**(a)** Maintain the functionality of erosion and sediment control measures, and clean measures that are one-third full of sediment, until final acceptance or until disturbed sites are stabilized according to the CO. Remove and dispose accumulated sediment according to Subsection 204.14.

**(b)** Corrective action is required for any of the following reasons and as stated in the 1200-CA:

**(1)** Discharges are causing an exceedance of water quality standards or there is visible turbidity in surface waters or a conveyance system leading to surface waters.

**(2)** An erosion and sediment control device necessary to comply with the 1200-CA was not installed or installed incorrectly.

**(3)** A prohibited discharge has occurred according to Section 12 of the 1200-CA.

**(c)** Implement maintenance of erosion and sediment control devices or other corrective action within the following time requirements:

**(1)** Begin maintenance of erosion and sediment control devices within 24 hours of discovery and complete as soon as possible but no later than 7 days from time of discovery. Revise the ESCP if required according to the 1200-CA.

**(2)** Begin corrective action immediately and complete within 24 hours of discovery. If infeasible to implement corrective action within 24 hours, document reasons in the corrective action log in the ESCP and identify the schedule for repair. Make revisions to the ESCP according to the 1200-CA and document the corrective action in the Corrective Action Log in the ESCP within 24 hours of completing and provide a copy to the CO for approval.

**(d)** Include the following information in the Corrective Action Log:

**(1)** Project Name;

**(2)** A description of the noncompliance, including date and time of discovery and cause of noncompliance;

**(3)** Identification of discharge locations that were out of compliance;

**(4)** Photos of the discharge before and after corrective action(s) implementation;

**(5)** Timeline of corrective action events, including period of noncompliance, and steps taken to reduce, eliminate and prevent recurrence of the noncompliance;

**(6)** Names, titles and contact information of personnel conducting inspections; and

**(7)** Weather conditions that varied from predicted storm events.

**(e)** Upon approval of the CO, remove and dispose of erosion and sediment control devices and structures according to Subsection 203.05. Restore the ground to its natural or intended condition and provide permanent erosion control measures.

WFL Specification 01/06/23 15730060

Include the following in projects where the responsibility for removal of erosion control devices is not part of the contract.

Revise Subsection 157.15(e). Example: “Removal and disposal of erosion control devices designated to remain will be performed by others.”

Note: Coordinate requirements with Subsection 107.01 if necessary.

[INSERT REQUIREMENTS]

WFL Specification 01/06/23 15730070

Include the following in all projects.

### 157.16 Acceptance.

Delete the text of the first paragraph and substitute the following:

Material for erosion and sediment control measures will be evaluated under Subsections 106.02 and 106.03. Do not provide a copy of the certifications for erosion and sediment control materials to the CO, unless otherwise directed by the CO.

## Section 157. — SOIL EROSION AND SEDIMENT CONTROL

01/06/23(4)– FP-14

CASE 4:

WFL Specification 06/15/22 1574

4) Include the following Section 157 SCR’s as directed below in all projects in Washington, Denali NP, Metlakatla Indian Reservation, and Tribal Lands in Idaho that have an EPA issued NPDES permit.

Consult with WFL Environment before revising these SCR’s.

WFL Specification 08/01/19 15740010

Include the following when check dams are required.

Material

### 157.02

Add the following to the material list:

Filter Rock 705.08

Construction Requirements

WFL Specification 06/15/22 15740020

Include the following in all projects.

### 157.03 Qualifications.

Delete this Subsection and substitute the following:

Provide an Erosion Control Supervisor (ECS) and an erosion control team. The ECS and members of the team conducting site inspections must meet one of the following criteria:

**(a)** EPA Construction Inspection Course;

**(b)** Alaska Certified Erosion and Sediment Control Lead (AK-CESCL);

**(c)** Idaho Water Pollution Control Manager (WPCM);

**(d)** Montana Department of Environmental Quality (DEQ) SWPPP Administrator;

**(e)** Oregon Department of Transportation (ODOT) Certified Erosion Sediment Control Manager (ESCM);

**(f)** Washington State Certified Erosion and Sediment Control Lead (CESCL);

**(g)** Other State DOT-Approved Erosion and Sediment Control Certification;

**(h)** Certified Professional in Erosion and Sediment Control (CPESC);

**(i)** Certified Professional in Storm Water Quality (CPSWQ);

**(j)** Certified Erosion, Sediment and Storm Water Inspector (CESSWI);

**(k)** National Institute for Certification in Engineering Technologies (NICET) Erosion and Sediment Control Level 3 or 4; or

**(l)** Certified Inspector of Sediment and Erosion Control (CISEC).

### 157.04 General.

Delete the text of this Subsection and substitute the following:

Provide and install permanent and temporary measures to control erosion, sedimentation, and discharge of pollutants, according to the National Pollutant Discharge Elimination System (NPDES), the Construction General Permit (CGP), the project Storm Water Pollution Prevention Plan (SWPPP) of record, and this contract.

Immediately report to the CO any incident of non-compliance with the CGP that may endanger health or the environment. Provide copies of any correspondence or reports required by either the CGP or the SWPPP.

Provide an ECS and erosion control team to manage installation, maintenance, inspection, and reporting for erosion and sediment control measures, maintain and update the SWPPP of record, and prepare any documentation required by the CGP or the SWPPP. At the preconstruction conference furnish the names, project office address, 24-hour telephone number(s), and qualifications for the ECS and each member of the erosion control team.

If wood chips are used, do not import without approval from the CO.

### 157.05 Controls and Limitations on **Work.**

Delete this Subsection and substitute the following:

**(a)** Install all sediment perimeter control measures prior to clearing, grubbing, and grading activities. Install additional erosion and sediment control measures as needed during construction.

**(b)** Before conducting land clearing and disturbance, mark all clearing limits in the field. Mark trees, wetlands, sensitive areas, and buffer zones for preservation as shown on the plans. Preserve existing vegetation wherever possible.

**(c)** Stabilize and maintain construction access points between unpaved and paved sites to minimize tracking of mud and dirt onto public roads.

**(d)** Phase construction activities to minimize the amount and duration of soil exposed to erosion. Establish final grade as soon as practicable and apply temporary or permanent soil stabilization measures. Limit the combined grubbing, grading, excavating, borrow, and fill within the construction limits to 5 acres (2.0 hectares) of exposed soil at one time.

**(e)** Divert runoff around exposed soils.

**(f)** Commence temporary or permanent soil stabilization measures immediately if no further disturbance of an area of the site or stockpile is expected within the next 14 days. Complete the installation of temporary or permanent soil stabilization measures to disturbed sites or stockpiles within 7 days of last disturbance. Provide for temporary stabilization of all exposed soil prior to winter construction shut down.

**(g)** Construct and maintain perimeter protection and locate erodible stockpiles away from storm drain inlets, waterways, and drainage channels.

**(h)** Handle and dispose of all pollutants, including construction materials, waste materials, and construction debris, in a manner that does not cause contamination of storm water.

**(i)** Apply fertilizers and other chemicals in a manner and at application rates that will not result in loss of chemicals to storm water runoff. Follow manufacturers label requirements except as otherwise required by the contract.

**(j)** Do not discharge concrete wastewater near or into waterways or wetlands. Submit proposed washout areas to the CO for approval.

**(k)** Discharges of dewatering water may not cause the formation of a visible sheen on the water surface, or visible oily deposits on the bottom or shoreline of the receiving water.

WFL Specification 08/01/19 15740030

Include the following when check dams are required.

### 157.11 Waterway and Slope Protection and Stabilization.

Delete paragraph (c) and substitute the following:

**(c) Check dams.** Construct riprap, filter rock, gravel bags, sandbags, fiber rolls and socks, or earth berms for temporary check dams to reduce the velocity of runoff in ditches and swales.

WFL Specification 06/15/22 15740040

Include the following in all projects.

### 157.14 Inspection and Reporting.

Delete the text of this Subsection and substitute the following:

**(a)** Inspect the following areas of the project:

**(1)** All areas where soil has been disturbed and that have not been permanently stabilized;

**(2)** All erosion and sediment control measures and pollution prevention measures;

**(3)** Government-provided material, waste, borrow, staging and maintenance areas;

**(4)** All areas where storm water typically flows within the site and discharges from the site;

**(5)** All locations where temporary stabilization measures have been implemented: and

**(6)** All points of discharge of dewatering water when dewatering is required. Follow inspection requirements in the CGP and in this Subsection.

WFL Specification 06/15/22 15740045

Consult with an Environmental Specialist and edit the following paragraph as required.

For Denali and Metlakatla, the EPA permit allows for a turbidity threshold of 50 NTU, Washington requires 25 NTU. Insert appropriate turbidity benchmark below based on project location.

For Washington: If discharging to a 303d listed waterbody (listed for turbidity, Fine Sediment, Phosphorous, and/or pH), revise language as needed if there is an applicable TMDL to ensure compliance with requirements of the TMDL.

For WASHINGTON projects:

If work will include “significant concrete work” (i.e., greater than 1000 cubic yards of concrete work) or use of engineered soils, sampling for pH is required, include the following language as appropriate:

For “significant concrete work” include the following:

“Conduct pH sampling each day concrete is poured and continue until it is cured (typically three weeks after the last pour).”

For engineered soils include the following:

“Conduct pH sampling each day once engineered soils are exposed to precipitation and continue daily until the area is fully stabilized.”

Include the following for both scenarios:

Use a calibrated pH meter and collect the sample prior to where stormwater is discharged off site off site into a receiving water, constructed or natural site drainage feature, or storm drain inlet .

Sampling Results:

If pH is within the range of 6.5 – 8.5, no further monitoring is required. If pH is 8.5 or above, prevent high pH stormwater from discharge off site. Adjust, or neutralize high pH with a method approved by the CO. Continue to monitor until pH is within the range of 6.5 – 8.5.”

Note: Ensure state permits (if applicable) are acquired for discharging dewatering water to a waterbody and include any additional requirements in this section.

**(b)** Visually monitor daily all points where stormwater is discharged off site into a receiving water, constructed or natural site drainage feature, or storm drain inlet. If there is visible turbidity or a sheen in the discharge, stop all earth disturbing construction activities and notify the CO immediately.

**(c)** Conduct turbidity sampling, as described below, using a calibrated turbidity meter. Calibrate prior to sampling and on the same day of sampling.

Identify all sampling locations in the SWPPP and record sampling results in the inspection forms.

Collect a sample once per week at all points where stormwater is discharged off site into a receiving water, constructed or natural site drainage feature, or storm drain inlet. For stormwater discharges to surface waters, collect the sample before the discharge enters the surface water.

Collect a sample daily at all points where dewatering water is discharged off site. Collect the sample before the discharge enters a receiving water, constructed or natural site drainage feature, or storm drain inlet.

**(1)** If turbidity of the stormwater or dewatering water discharge is less than [INSERT TURBIDITY BENCHMARK] Nephelometric Turbidity unit (NTU), no further monitoring is required.

**(2)** If turbidity exceeds [INSERT TURBIDITY BENCHMARK] NTU or higher, stop all earth disturbing construction activities and notify CO immediately. Take immediate action to address cause of exceedance. Once monitoring results show turbidity is less than [INSERT TURBIDITY BENCHMARK] NTU, construction activities can resume. Continue to monitor until the stormwater or dewatering water discharge is measured at less than [INSERT TURBIDITY BENKMARK] NTU.

Submit compiled dewatering water monitoring results to the CO quarterly, by the 15th of April, July, October, and January. Once approved, upload results to the EPA website by the 30th of the month.

WFL Specification 06/15/22 15740050

Consult Environmental Specialist and Edit the following paragraph as required.

When discharging to certain impaired and high quality receiving waters as identified in the NOI, the inspection frequency required by the CGP is as follows:

“Inspect all erosion and sediment control measures at least once every 7 days and within 24 hours of a storm event of 0.25 inches (6 millimeters) or greater within a 24-hour period as determined by an on-site rain gauge, or when there is runoff from a storm event that produces 3.25 inches or more of snow within a 24-hour period.”

Replace first paragraph below when increased inspections are required by the CGP.

**(d)** Inspect all erosion and sediment control measures at least once every 7 days or once every 14 days and within 24 hours of a storm event of 0.25 inches (6 millimeters) or greater within a 24‑hour period as determined by an on-site rain gauge, or when there is a discharge from snowmelt from a storm event that produces 3.25 inches (83 millimeters) or more of snow within a 24‑hour period as determined by measurements of snowfall at the site or from local weather information. Specify in the project SWPPP which inspection schedule will be used and use the same schedule throughout the duration of construction.

Document the inspection in the inspection report, including times of dewatering discharge, rate of discharge, and any indications of pollution discharge. Provide clearly labeled photographs with the inspection report that show the dewatering water prior to treatment by a dewatering control(s), the dewatering control(s) used, final discharge after treatment, and the point of discharge to any receiving waters.

WFL Specification 01/06/23 15740055

Include the following in all projects.

Furnish completed inspection reports to the CO within 24-hours after performing an inspection.

**(e)** Inspections may be temporarily reduced or suspended in accordance with the CGP and the following conditions:

**(1)** Inspections may be temporarily reduced to once every 14 days for the first month and then once every 30 days, when construction is temporarily inactive and if all disturbed areas have been either permanently or temporarily stabilized.

**(2)** Inspections may be temporarily reduced to once every 14 days for the first month for linear construction sites as defined by the CGP when portions of the site have undergone final stabilization. After the first month, inspect once more within 24 hours of a storm event of 0.25 inches (6 millimeters) or greater within a 24-hour period or when there is a discharge from snowmelt from a storm event that produces 3.25 inches (83 millimeters) or more of snow within a 24-hour period as determined by measurements of snowfall at the site or from local weather information. If there are no issues or evidence of stabilization problems, further inspections can be suspended in those areas. If issues are identified, resume monthly inspections until final stabilization is visually confirmed following a storm event of 0.25 inches (6 millimeters) or greater within a 24-hour period.

**(3)** If the project is suspending construction activities due to frozen conditions, inspections may be suspended if all disturbed areas have been stabilized and only if discharges are unlikely due to continuous frozen conditions that will last a minimum of 3 months based on historic seasonal averages. If unexpected weather conditions occur that may result in discharges from the site, inspections must immediately resume in accordance with the CGP.

(4) If the project is continuing construction activities during frozen conditions, inspections may be reduced to once every 30 days if a discharge is unlikely due to continuous frozen conditions that will last a minimum of 3 months based on historic seasonal averages. All areas not being disturbed by construction activities must be stabilized in accordance with the CGP.

Document the reason for the reduction in inspection frequency, locations (if applicable), and beginning and end dates in the SWPPP. Resume the normal inspection schedule in accordance with the CGP when above conditions are not met for reduced or suspended inspection frequency.

### 157.15 Maintenance and Cleanup.

Delete the text of this Subsection and substitute the following:

Maintain the functionality of erosion and sediment control measures, and clean measures that are half-full of sediment, until final acceptance or until disturbed sites are stabilized according to the CO. Remove and dispose accumulated sediment according to Subsection 204.14.

Implement maintenance of erosion and sediment control devices or other corrective action within the following time requirements:

**(a)** In the event of discharge of sediment or other pollutants, immediately take steps to prevent further discharge until a permanent solution is installed and made operational; and

**(b)** Begin corrective maintenance of sediment and erosion control devices immediately and complete by the close of the next business day. If it is not feasible to complete the work in that timeframe, document in the inspection report why it is not feasible. Complete maintenance and corrective action no later than 7 days from time of discovery. Make revisions to the SWPPP according to the CGP.

Upon approval of the CO, remove and dispose of erosion and sediment control devices and structures according to Subsection 203.05. Restore the ground to its natural or intended condition and provide permanent erosion control measures.

WFL Specification 01/01/14 15740060

Include the following in projects where the responsibility for removal of erosion control devices is not part of the contract.

Revise the third paragraph of Subsection 157.15. Example:

“Removal and disposal of erosion control devices designated to remain will be performed by others.”

Note: Coordinate requirements with Subsection 107.01 if necessary.

[INSERT REQUIREMENTS]

WFL Specification 09/17/18 15740070

Include the following in all projects.

### 157.16 Acceptance.

Delete the text of the first paragraph and substitute the following:

Material for erosion and sediment control measures will be evaluated under Subsections 106.02 and 106.03. Do not provide a copy of the certifications for erosion and sediment control materials to the CO, unless otherwise directed by the CO.

## Section 157. — SOIL EROSION AND SEDIMENT CONTROL

01/06/23(5)– FP-14

CASE 5:

WFL Specification 04/02/21 1575

5) Include the following Section 157 SCR’s as directed below in all projects in Montana with a State issued NPDES permit.

Consult with WFL Environment before revising these SCR’s.

WFL Specification 04/02/21 15750010

Include the following when check dams are required.

Material

### 157.02

Add the following to the material list:

Filter Rock 705.08

Construction Requirements

WFL Specification 01/06/23 15750020

Include the following in all projects.

### 157.03 Qualifications.

Delete this Subsection and substitute the following:

Provide an Erosion Control Supervisor (ECS) certified as a Montana Department of Environmental Quality (DEQ) SWPPP Administrator.

### 157.04 General.

Delete the text of this Subsection and substitute the following:

Provide and install permanent and temporary measures to control erosion, sedimentation, and discharge of pollutants, according to the state National Pollutant Discharge Elimination System construction storm water permit, the project Storm Water Pollution Prevention Plan (SWPPP) of record, and this contract.

Immediately report to the CO any incident of non-compliance with the construction storm water permit that may endanger health or the environment. Provide copies of any correspondence or reports required by either the construction storm water permit or the SWPPP.

Provide an ECS to manage installation, maintenance, inspection, and reporting for erosion and sediment control measures, maintain and update the SWPPP of record, and prepare any documentation required by the construction storm water permit or the SWPPP. Furnish the ECS’s name, project office address, 24-hour telephone number(s), and qualifications at the preconstruction conference.

If wood chips are used, do not import without approval of the CO.

### 157.05 Controls and Limitations on Work.

Delete the text of this Subsection and substitute the following:

**(a)** Install all sediment perimeter control measures prior to clearing, grubbing, and grading activities. Install additional erosion and sediment control measures as needed during construction.

**(b)** Before conducting land clearing and disturbance, mark all clearing limits in the field. Mark trees, wetlands, sensitive areas, and buffer zones for preservation as shown on the plans. Preserve existing vegetation wherever possible.

**(c)** Stabilize and maintain construction access points between unpaved and paved sites to minimize tracking of mud and dirt onto public roads.

**(d)** Phase construction activities to minimize the amount and duration of soil exposed to erosion. Establish final grade as soon as practicable and apply temporary or permanent soil stabilization measures. Limit the combined grubbing, grading, excavating, borrow, and fill within the construction limits to 5 acres (2.0 hectares) of exposed soil at one time.

**(e)** Divert runoff around exposed soils.

**(f)** Commence temporary or permanent soil stabilization measures immediately if no further disturbance of an area of the site or stockpile is expected within the next 14 days. Complete installation of temporary soil stabilization measures to disturbed sites or stockpiles within 14 days and installation of permanent soil stabilization measures within 7 days of last disturbance. Provide for temporary stabilization of all exposed soil prior to winter construction shut down.

**(g)** Construct and maintain perimeter protection and locate erodible stockpiles away from storm drain inlets, waterways, and drainage channels.

**(h)** Handle and dispose of all pollutants, including construction materials, waste materials, and construction debris, in a manner that does not cause contamination of storm water. Provide containers with lids or provide a cover (e.g., tarp, plastic sheeting) to prevent exposure to precipitation.

**(i)** Apply fertilizers and other chemicals in a manner and at application rates that will not result in loss of chemicals to storm water runoff. Follow manufacturers label requirements except as otherwise required by the contract.

**(j)** Do not discharge concrete wastewater near or into waterways or wetlands. Submit proposed washout areas to the CO for approval.

WFL Specification 04/02/21 15750030

Include the following when check dams are required.

### 157.11 Waterway and Slope Protection and Stabilization.

Delete paragraph (c) and substitute the following:

**(c) Check dams.** Construct riprap, filter rock, gravel bags, sandbags, fiber rolls and socks, or earth berms for temporary check dams to reduce the velocity of runoff in ditches and swales.

WFL Specification 01/06/23 15750040

Include the following in all projects.

### 157.14 Inspection and Reporting.

Delete this Subsection and substitute the following:

**(a)** Inspect the following areas of the project:

**(1)** All areas where soil has been disturbed and that has not been permanently stabilized;

**(2)** All erosion and sediment control measures and pollution prevention measures;

**(3)** Government-provided material, waste, borrow, staging and maintenance areas;

**(4)** All areas where storm water typically flows onto and within the site;

**(5)** All points of storm water discharge from the site; and

**(6)** All locations where temporary stabilization measures have been implemented.

**(b)** Inspect all erosion and sediment control measures at least once every 7 days or once every 14 days and within 24 hours of a storm event of 0.25 inches (6 millimeters) or greater as determined by an on-site rain gauge, and/or when there is runoff from snowmelt sufficient to cause a discharge. Specify the inspection schedule that will be used in the project SWPPP, and use the same schedule throughout the duration of construction.

Submit completed inspection reports within 24-hours of performing an inspection.

**(c)** Inspections may be temporarily reduced in accordance with the General Permit and the following conditions:

**(1)** If all construction activities at the site are temporarily inactive or shutdown and all areas of disturbance have achieved temporary stabilization as defined by the General Permit the site can be inspected at a reduced frequency of once every 30 days.

**(2)** If portions of the site are temporarily inactive or shutdown and these portions have achieved temporary stabilization in accordance with the General Permit, those portions of the site may be inspected at the reduced frequency of once every 30 days.

**(3)** If portions of the site are completed and controls are implemented to achieve final stabilization in accordance with the General Permit, those portions of the site may be inspected at the reduced frequency of once every 30 days.

**(4)** If an inspection is not possible due to remote site access and severe winter conditions, a delayed inspection must occur once the site is accessible.

Document the reason for the reduction in inspection frequency and locations (if applicable) in the SWPPP. Resume the normal inspection schedule in accordance with the General Permit once construction activities resume and/or the site is accessible.

### 157.15 Maintenance and Cleanup.

Delete this Subsection and substitute the following:

Maintain the functionality of erosion and sediment control measures, and clean measures that are half-full of sediment, until final acceptance or until disturbed sites are stabilized according to the CO. Remove and dispose accumulated sediment according to Subsection 204.14.

Implement maintenance of erosion and sediment control devices or other corrective action within the following time requirements:

**(a)** In the event of discharge of sediment or other pollutants, immediately take steps to prevent further discharge until a permanent solution is installed and made operational;

**(b)** Complete corrective maintenance of sediment and erosion control devices by the close of the next business day, if infeasible to complete by close of the next business day, document reasons in the corrective action log in the SWPPP and identify the schedule for maintenance or repair, but no later than 7 days from time of discovery. Make revisions to the SWPPP according to the CGP; and

**(c)** If new or replacement sediment and erosion control devices are required, install these devices no later than 7 days from time of discovery, if infeasible to complete within 7 days, document reasons in the corrective action log in the SWPPP and identify schedule for installation as soon as feasible after the 7-day timeframe. Make revisions to the SWPPP according to the CGP.

Upon approval of the CO, remove and dispose of erosion and sediment control devices and structures according to Subsection 203.05. Restore the ground to its natural or intended condition and provide permanent erosion control measures.

WFL Specification 04/02/21 15750050

Include the following in projects where the responsibility for removal of erosion control devices is not part of the contract.

Revise the third paragraph of Subsection 157.15. Example: “Removal and disposal of erosion control devices designated to remain will be performed by others.”

Note: Coordinate requirements with Subsection 107.01 if necessary.

[INSERT REQUIREMENTS]

WFL Specification 04/02/21 15750060

Include the following in all projects.

### 157.16 Acceptance.

Delete the text of the first paragraph and substitute the following:

Material for erosion and sediment control measures will be evaluated under Subsections 106.02 and 106.03. Do not provide a copy of the certifications for erosion and sediment control materials to the CO, unless otherwise directed by the CO.

## Section 157. — SOIL EROSION AND SEDIMENT CONTROL

01/06/23 (6)– FP-14

CASE 6:

WFL Specification 04/02/21 1576

6) Include the following Section 157 SCR’s as directed below in all projects in Wyoming with a State issued NPDES permit.

Consult with WFL Environment before revising these SCR’s.

WFL Specification 04/02/21 15760010

Include the following when check dams are required.

Material

### 157.02

Add the following to the material list:

Filter Rock 705.08

Construction Requirements

WFL Specification 04/02/21 15760020

Include the following in all projects.

### 157.03 Qualifications.

Delete this Subsection and substitute the following:

Provide an Erosion Control Supervisor (ECS) meeting one of the following criteria:

**(a)** Alaska Certified Erosion and Sediment Control Lead (AK-CESCL);

**(b)** Idaho Water Pollution Control Manager (WPCM);

**(c)** Montana Department of Environmental Quality (DEQ) SWPPP Administrator;

**(d)** Oregon Department of Transportation (ODOT) Certified Erosion Sediment Control Manager (ESCM);

**(e)** Washington State Certified Erosion and Sediment Control Lead (CESCL);

**(f)** Other State DOT-Approved Erosion and Sediment Control Certification;

**(g)** Certified Professional in Erosion and Sediment Control (CPESC);

**(h)** Certified Professional in Storm Water Quality (CPSWQ);

**(i)** Certified Erosion, Sediment and Storm Water Inspector (CESSWI);

**(j)** National Institute for Certification in Engineering Technologies (NICET) Erosion and Sediment Control Level 3 or 4; or

**(k)** Certified Inspector of Sediment and Erosion Control (CISEC).

### 157.04 General.

Delete the text of this Subsection and substitute the following:

Provide and install permanent and temporary measures to control erosion, sedimentation, and discharge of pollutants, according to the state National Pollutant Discharge Elimination System construction storm water permit, the project Storm Water Pollution Prevention Plan (SWPPP) of record, and this contract.

Immediately report to the CO any incident of non-compliance with the construction storm water permit that may endanger health or the environment. Provide copies of any correspondence or reports required by either the construction storm water permit or the SWPPP.

Provide an ECS to manage installation, maintenance, inspection, and reporting for erosion and sediment control measures, maintain and update the SWPPP of record, and prepare any documentation required by the construction storm water permit or the SWPPP. Furnish the ECS’s name, project office address, 24-hour telephone number(s), and qualifications at the preconstruction conference.

If wood chips are used, do not import without approval of the CO.

### 157.05 Controls and Limitations on Work.

Delete the text of this Subsection and substitute the following:

**(a)** Install all sediment perimeter control measures prior to clearing, grubbing, and grading activities. Install additional erosion and sediment control measures as needed during construction.

**(b)** Before conducting land clearing and disturbance, mark all clearing limits in the field. Mark trees, wetlands, sensitive areas, and buffer zones for preservation as shown on the plans. Preserve existing vegetation wherever possible.

**(c)** Stabilize and maintain construction access points between unpaved and paved sites to minimize tracking of mud and dirt onto public roads.

**(d)** Phase construction activities to minimize the amount and duration of soil exposed to erosion. Establish final grade as soon as practicable and apply temporary or permanent soil stabilization measures. Limit the combined grubbing, grading, excavating, borrow, and fill within the construction limits to 5 acres (2.0 hectares) of exposed soil at one time.

**(e)** Divert runoff around exposed soils.

**(f)** Commence temporary or permanent soil stabilization measures immediately if no further disturbance of an area of the site or stockpile is expected within the next 14 days. Complete installation of temporary soil stabilization measures to disturbed sites or stockpiles within 14 days and installation of permanent soil stabilization measures within 14 days of last disturbance. Provide for temporary stabilization of all exposed soil prior to winter construction shut down.

**(g)** Construct and maintain perimeter protection and locate erodible stockpiles away from storm drain inlets, waterways, and drainage channels.

**(h)** Handle and dispose of all pollutants, including construction materials, waste materials, and construction debris, in a manner that does not cause contamination of storm water.

**(i)** Apply fertilizers and other chemicals in a manner and at application rates that will not result in loss of chemicals to storm water runoff. Follow manufacturers label requirements except as otherwise required by the contract.

**(j)** Do not discharge concrete wastewater near or into waterways or wetlands. Submit proposed washout areas to the CO for approval.

WFL Specification 04/02/21 15760030

Include the following when check dams are required.

### 157.11 Waterway and Slope Protection and Stabilization.

Delete paragraph (c) and substitute the following:

**(c) Check dams.** Construct riprap, filter rock, gravel bags, sandbags, fiber rolls and socks, or earth berms for temporary check dams to reduce the velocity of runoff in ditches and swales.

WFL Specification 01/06/23 15760040

Include the following in all projects.

### 157.14 Inspection and Reporting.

Delete this Subsection and substitute the following:

**(a)** Inspect the following areas of the project:

**(1)** All areas where soil has been disturbed and that has not been permanently stabilized;

**(2)** All erosion and sediment control measures and pollution prevention measures;

**(3)** Government-provided material, waste, borrow, staging and maintenance areas;

**(4)** All areas where storm water typically flows within the site;

**(5)** All points of storm water discharge from the site; and

**(6)** All locations where temporary stabilization measures have been implemented.

**(b)** Inspect all erosion and sediment control measures at least once every 7 days or once every 14 days and within 24 hours of any precipitation that exceeds of 0.5 inches (12 millimeters) or greater as determined by an on-site rain gauge, and/or when there is runoff from snow melt event which exceeds 0.5 inches (12 millimeters). Specify the inspection schedule that will be used in the project SWPPP, and use the same schedule throughout the duration of construction.

Submit completed inspection reports within 24-hours of performing an inspection.

**(c)** Inspections may be temporarily reduced or suspended in accordance with the Construction General Permit and the following conditions:

**(1)** Inspections may be temporarily reduced to once every 30 days, when construction is temporarily inactive and if all disturbed areas have been either permanently or temporarily stabilized.

**(2)** If an inspection is not possible due to weather-related delays conditions, a delayed inspection must occur once the site is accessible.

Document the reason for the reduction in inspection frequency and locations (if applicable) in the SWPPP. Resume the normal inspection schedule in accordance with the Construction General Permit once construction activities resume and/or the site is accessible.

### 157.15 Maintenance and Cleanup.

Delete this Subsection and substitute the following:

Maintain the functionality of erosion and sediment control measures, and clean measures that are one-third full of sediment, until final acceptance or until disturbed sites are stabilized according to the CO. Remove and dispose accumulated sediment according to Subsection 204.14.

Implement maintenance of erosion and sediment control devices or other corrective action within the following time requirements:

**(a)** In the event of discharge of sediment or other pollutants, immediately take steps to prevent further discharge until a permanent solution is installed and made operational; and

**(b)** Begin corrective maintenance of sediment and erosion control devices immediately and complete within 24 hours of discovery, or as soon as field conditions allow access. Make revisions to the SWPPP according to the CGP.

Upon approval of the CO, remove and dispose of erosion and sediment control devices and structures according to Subsection 203.05. Restore the ground to its natural or intended condition and provide permanent erosion control measures.

WFL Specification 04/02/21 15760050

Include the following in projects where the responsibility for removal of erosion control devices is not part of the contract.

Revise the third paragraph of Subsection 157.15. Example: “Removal and disposal of erosion control devices designated to remain will be performed by others.”

Note: Coordinate requirements with Subsection 107.01 if necessary.

[INSERT REQUIREMENTS]

WFL Specification 04/02/21 15760060

Include the following in all projects.

### 157.16 Acceptance.

Delete the text of the first paragraph and substitute the following:

Material for erosion and sediment control measures will be evaluated under Subsections 106.02 and 106.03. Do not provide a copy of the certifications for erosion and sediment control materials to the CO, unless otherwise directed by the CO.

## Section 157. — SOIL EROSION AND SEDIMENT CONTROL

01/06/23(7)– FP-14

CASE 7:

WFL Specification 06/15/22 1577

7) Include the following Section 157 SCR’s as directed below in all projects in Idaho (excluding Tribal Lands in Idaho) that have State issued NPDES permit.

Consult with WFL Environment before revising these SCR’s.

WFL Specification 06/15/22 15770010

Include the following when check dams are required.

Material

### 157.02

Add the following to the material list:

Filter Rock 705.08

Construction Requirements

WFL Specification 06/15/22 15770020

Include the following in all projects.

### 157.03 Qualifications.

Delete this Subsection and substitute the following:

Provide an Erosion Control Supervisor and an erosion control team. The ECS and members of the team conducting site inspections must meet one of the following criteria:

**(a)** EPA Construction Inspection Course;

**(b)** Alaska Certified Erosion and Sediment Control Lead (AK-CESCL);

**(c)** Idaho Water Pollution Control Manager (WPCM);

**(d)** Montana Department of Environmental Quality (DEQ) SWPPP Administrator;

**(e)** Oregon Department of Transportation (ODOT) Certified Erosion Sediment Control Manager (ESCM);

**(f)** Washington State Certified Erosion and Sediment Control Lead (CESCL);

**(g)** Other State DOT-Approved Erosion and Sediment Control Certification;

**(h)** Certified Professional in Erosion and Sediment Control (CPESC);

**(i)** Certified Professional in Storm Water Quality (CPSWQ);

**(j)** Certified Erosion, Sediment and Storm Water Inspector (CESSWI);

**(k)** National Institute for Certification in Engineering Technologies (NICET) Erosion and Sediment Control Level 3 or 4; or

**(l)** Certified Inspector of Sediment and Erosion Control (CISEC).

### 157.04 General.

Delete the text of this Subsection and substitute the following:

Provide and install permanent and temporary measures to control erosion, sedimentation, and discharge of pollutants, according to the Idaho Pollutant Discharge Elimination System, the Construction General Permit (CGP), the project Storm Water Pollution Prevention Plan (SWPPP) of record, and this contract.

Immediately report to the CO any incident of non-compliance with the CGP that may endanger health or the environment. Provide copies of any correspondence or reports required by either the CGP or the SWPPP.

Provide an Erosion Control Team to manage installation, maintenance, inspection, and reporting for erosion and sediment control measures, maintain and update the SWPPP of record, and prepare any documentation required by the CGP or the SWPPP. At the preconstruction conference furnish the names, project office address, 24-hour telephone number(s), and qualifications for each member of the Erosion Control Team.

If wood chips are used, do not import without approval from the CO.

### 157.05 Controls and Limitations on Work.

Delete this Subsection and substitute the following:

**(a)** Install all sediment perimeter control measures prior to clearing, grubbing, and grading activities. Install additional erosion and sediment control measures as needed during construction.

**(b)** Before conducting land clearing and disturbance, mark all clearing limits in the field. Mark trees, wetlands, sensitive areas, and buffer zones for preservation as shown on the plans. Preserve existing vegetation wherever possible.

**(c)** Stabilize and maintain construction access points between unpaved and paved sites to minimize tracking of mud and dirt onto public roads.

**(d)** Phase construction activities to minimize the amount and duration of soil exposed to erosion. Establish final grade as soon as practicable and apply temporary or permanent soil stabilization measures. Limit the combined grubbing, grading, excavating, borrow, and fill within the construction limits to 5 acres (2.0 hectares) of exposed soil at one time.

**(e)** Divert runoff around exposed soils.

**(f)** Commence temporary or permanent soil stabilization measures immediately if no further disturbance of an area of the site or stockpile is expected within the next 14 days. Complete the installation of temporary or permanent soil stabilization measures to disturbed sites or stockpiles within 7 days of last disturbance. Provide for temporary stabilization of all exposed soil prior to winter construction shut down.

**(g)** Construct and maintain perimeter protection and locate erodible stockpiles away from storm drain inlets, waterways, and drainage channels.

**(h)** Handle and dispose of all pollutants, including construction materials, waste materials, and construction debris, in a manner that does not cause contamination of storm water.

**(i)** Apply fertilizers and other chemicals in a manner and at application rates that will not result in loss of chemicals to storm water runoff. Follow manufacturers label requirements except as otherwise required by the contract.

**(j)** Do not discharge concrete wastewater near or into waterways or wetlands. Submit proposed washout areas to the CO for approval.

**(k)** Discharges of dewatering water must not cause the formation of a visible sheen on the water surface, or visible oily deposits on the bottom or shoreline of the receiving water.

WFL Specification 06/15/22 15770030

Include the following when check dams are required.

### 157.11 Waterway and Slope Protection and Stabilization.

Delete paragraph (c) and substitute the following:

**(c) Check dams.** Construct riprap, filter rock, gravel bags, sandbags, fiber rolls and socks, or earth berms for temporary check dams to reduce the velocity of runoff in ditches and swales.

**WFL Specification 01/06/23 15770040**

**Include the following in all projects.**

### 157.14 Inspection and Reporting.

Delete the text of this Subsection and substitute the following:

**(a)** Inspect the following areas of the project:

**(1)** All areas where soil has been disturbed and that have not been permanently stabilized;

**(2)** All erosion and sediment control measures and pollution prevention measures;

**(3)** Government-provided material, waste, borrow, staging and maintenance areas;

**(4)** All areas where storm water typically flows within the site and discharges from the site;

**(5)** All locations where temporary stabilization measures have been implemented; and

**(6)** All points of discharge of dewatering water when dewatering is required. Follow inspection requirements in the CGP and in this Subsection.

**(b)** Inspect all erosion and sediment control measures at least once every 7 days or once every 14 days and once each day that there is a discharge from a storm event of 0.25 inches (6 millimeters) or greater as determined by an on-site rain gauge. Specify in the project SWPPP which inspection schedule will be used and use the same schedule throughout the duration of construction.

Conduct an inspection once each day when discharges associated with dewatering occur. Document the inspection in the dewatering discharge inspection report in the SWPPP, including times of dewatering discharge, rate of discharge, and any indications of pollution discharge.

Furnish completed inspection reports to the CO within 24-hours after performing an inspection.

**(c)** Inspections may be temporarily reduced or suspended in accordance with the CGP and the following conditions:

**(1)** Inspections may be temporarily reduced to once every 14 days for the first month and then once every 30 days, when construction is temporarily inactive and if all disturbed areas have been either permanently or temporarily stabilized.

**(2)** Inspections may be temporarily reduced to once every 14 days for the first month for linear construction sites as defined by the CGP when portions of the site have undergone final stabilization. After the first month, inspect once more within 24 hours of a storm event of 0.25 inches (6 millimeters) or greater. If there are no issues or evidence of stabilization problems, further inspections can be suspended in those areas. If issues are identified, address stabilization problems and resume inspections of once every 14 days for the first month, then monthly until final stabilization is visually confirmed following a storm event of 0.25 inches (6 millimeters) or greater.

**(3)** If the project is suspending construction activities due to frozen conditions, inspections may be suspended if all land disturbing activities have been suspended, disturbed areas have been stabilized, and only if discharges are unlikely due to continuous frozen conditions that will last a minimum of 3 months based on historic seasonal averages. If unexpected weather conditions occur that may result in discharges from the site, inspections must immediately resume in accordance with the CGP. Inspections are suspended until thawing conditions begin.

**(4)** If the project is continuing construction activities during frozen conditions, inspections may be reduced to once every 30 days if a discharge is unlikely due to continuous frozen conditions that will last a minimum of 3 months based on historic seasonal averages. All areas not being disturbed by construction activities must be stabilized in accordance with the CGP. If unexpected weather conditions make discharges likely, resume the normal inspection schedule.

Document the reason for the reduction in inspection frequency, locations (if applicable), and beginning and end dates in the SWPPP. Resume the normal inspection schedule in accordance with the CGP when above conditions are not met for reduced or suspended inspection frequency.

WFL Specification 01/06/23 1577050

Include the following on all projects.

Consult with an Environmental Specialist and edit the following subsection as required.

Note: Ensure state permits (if applicable) are acquired for discharging dewatering water to a waterbody and include any additional requirements in this section.

**(d)** Conduct daily turbidity sampling where stormwater is discharged into a receiving water using a calibrated turbidity meter. Calibrate prior to sampling and on the same day of sampling.

Identify all sampling locations in the SWPPP and record sampling results in the inspection forms.

Collect a sample daily from an undisturbed area immediately upstream of the project area to establish background turbidity levels. Immediately take a downstream sample at each point of discharge.

**(1)** If turbidity of the stormwater or dewatering water discharge is less than 50 Nephelometric Turbidity unit (NTU) above background turbidity instantaneously, or 25 NTU above background turbidity for more than 10 consecutive days, continue monitoring at least once per day until the discharge ceases.

**(2)** If turbidity is 50 NTU or higher over background turbidity or the 10 day average is 25 NTU or higher above background, stop all earth disturbing construction activities, and notify CO immediately. Take immediate action to prevent further discharges. Once monitoring results show turbidity is less than 50 NTU over background or less than 25 NTU or higher over background for 10 consecutive days, construction activities can resume. Continue to monitor daily until the discharge ceases.

Furnish completed monitoring reports to the CO within 24-hours and place reports in the SWPPP.

### 157.15 Maintenance and Cleanup.

Delete the text of this Subsection and substitute the following:

Maintain the functionality of erosion and sediment control measures, and clean measures that are half-full of sediment, until final acceptance or until disturbed sites are stabilized according to the CO. Remove and dispose accumulated sediment according to Subsection 204.14.

Implement maintenance of erosion and sediment control devices or other corrective action within the following time requirements:

**(a)** In the event of discharge of sediment or other pollutants, immediately take steps to prevent further discharge until a permanent solution is installed and made operational; and

**(b)** Begin corrective maintenance of sediments and erosion control devices immediately and complete by the close of the next business day. If it is not feasible to complete the work in that timeframe, document in the inspection report why it is not feasible. Complete maintenance and corrective action no later than 7 days from time of discovery. Make revisions to the SWPPP according to the CGP and document in the corrective action log.

Upon approval of the CO, remove and dispose of erosion and sediment control devices and structures according to Subsection 203.05. Restore the ground to its natural or intended condition and provide permanent erosion control measures.

WFL Specification 06/15/22 15770060

Include the following in projects where the responsibility for removal of erosion control devices is not part of the contract.

Revise the third paragraph of Subsection 157.15. Example:

“Removal and disposal of erosion control devices designated to remain will be performed by others.”

Note: Coordinate requirements with Subsection 107.01 if necessary.

[INSERT REQUIREMENTS]

WFL Specification 06/15/22 15770070

Include the following in all projects.

### 157.16 Acceptance.

Delete the text of the first paragraph and substitute the following:

Material for erosion and sediment control measures will be evaluated under Subsections 106.02 and 106.03. Do not provide a copy of the certifications for erosion and sediment control materials to the CO, unless otherwise directed by the CO.