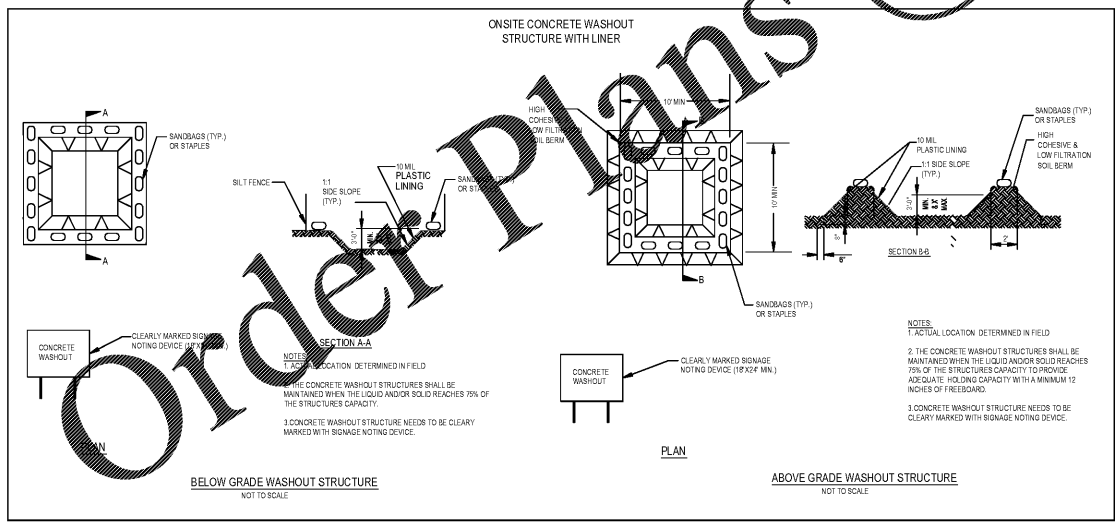


NCG01-DETAIL GROUND STABILIZATION AND HANDLING PLAN
EFFECTIVE: 04/01/19

Required Ground Stabilization Timeframes		
Site Area Description	Stabilize within this many calendar days after ceasing land disturbance	Timeframe variations
(a) Perimeter dikes, swales, ditches, and perimeter slopes	7	None
(b) High Quality Water (HQW) Zones	7	None
(c) Slopes steeper than 3:1	7	If slopes are 1:1 or less in length and are not steeper than 2:1, 14 days are allowed
(d) Slopes 3:1 to 4:1	14	7 days for slopes greater than 5:1 in length and with slopes steeper than 4:1; 7 days for perimeter dikes, swales, ditches, perimeter slopes and HQW Zones; 10 days for Fall Lake Watershed
(e) Areas with slopes flatter than 4:1	14	7 days for perimeter dikes, swales, ditches, perimeter slopes and HQW Zones; 10 days for Fall Lake Watershed unless there is zero slope

Note: After the permanent cessation of construction activities, any areas with temporary ground stabilization shall be converted to permanent ground stabilization as soon as practicable but no later than 90 calendar days after the last land disturbing activity. Temporary ground stabilization shall be maintained in a manner to render the surface stable against accelerated erosion until permanent ground stabilization is achieved.



PAINT AND OTHER LIQUID WASTE

- Do not dump paint and other liquid waste into storm drains, streams or wetlands.
- Locate paint washouts at least 50 feet away from storm drain inlets and surface waters unless no other alternatives are reasonably available.
- Contain liquid wastes in a controlled area.
- Containment must be labeled, sized and placed appropriately for the needs of site.
- Prevent the discharge of soaps, solvents, detergents and other liquid wastes from construction sites.

PORTABLE TOILETS

- Install portable toilets on level ground, at least 50 feet away from storm drains, streams or wetlands unless there is no alternative reasonably available. If 50 foot offset is not attainable, provide relocation of portable toilet behind tall fence or place on a gravel pad and surround with sand bags.
- Provide staining or anchoring of portable toilets during periods of high winds or in high foot traffic areas.
- Monitor portable toilets for leaking and properly dispose of any leaked material. Utilize a licensed sanitary waste hauler to remove leaking portable toilets and replace with properly operating unit.

EARTHEN STOCKPILE MANAGEMENT

- Slow stockpile locations on plans. Locate earthen material stockpile areas at least 50 feet away from storm drain inlets, sediment basins, perimeter sediment controls and surface waters unless it can be shown no other alternatives are reasonably available.
- Protect stockpile with silt fence installed along toe of slope with a minimum offset of five feet from the toe of stockpile.
- Provide stable stone access point when feasible.
- Stabilize stockpile within the timeframes provided on this sheet and in accordance with the approved plan and any additional requirements. Soil stabilization is defined as vegetative, physical or chemical coverage techniques that will restrain accelerated erosion on disturbed soils for temporary or permanent control needs.

CONCRETE WASHOUTS

- Do not discharge concrete or cement slurry from the site.
- Dispose of, or recycle settled, hardened concrete residue in accordance with local and state solid waste regulations and at an approved facility.
- Manage washout from mortar mixes in accordance with the above item, and in addition place the mixer and associated materials on an impervious barrier and within 10 perimeter silt fence.
- Install temporary concrete washouts per local requirements, where applicable. If local standard details are not available, use one of the two types of temporary concrete washouts provided on this detail.
- Do not use concrete washouts for dewatering or storing defective curb or sidewalk sections. Stormwater accumulated within the washout may not be pumped into or discharged to the storm drain system or receiving surface waters. Liquid waste must be pumped out and removed from project.
- Locate washouts at least 50 feet from storm drain inlets and surface waters unless it can be shown that no other alternatives are reasonably available. At a minimum, install protection of storm drain inlets closest to the washout which could receive spills or overflow.
- Locate washouts in an easily accessible area, on level ground and install a stone entrance pad in front of the washout. Additional controls may be required by the approving authority.
- Install at least one sign directing concrete trucks to the washout within the project limits. Post signage on the washout itself to identify this location.
- Remove loadings from the washout when all components are 75% capacity to limit overflow events. Replace the tarp, sand bags or other temporary structural components when no longer functional. When utilizing alternative or proprietary products, follow manufacturer's instructions.
- At the completion of the concrete work, remove remaining loadings and dispose of in an approved facility. If silt pit, if applicable, and stabilize any disturbance caused by removal of washout.

HERBICIDES, PESTICIDES AND RODENTICIDES

- Store and apply herbicides, pesticides and rodenticides in accordance with label restrictions.
- Store herbicides, pesticides and rodenticides in their original containers with the label, which lists directions for use, ingredients and first aid steps in case of accidental poisoning.
- Do not store herbicides, pesticides and rodenticides in areas where flooding is possible or where they may spill into water, stormwater drains, ground water or surface water. If a spill occurs, clean area immediately.
- Do not stockpile these materials onsite.

HAZARDOUS AND TOXIC WASTE

- Create designated hazardous waste collection areas on site.
- Place hazardous waste containers under cover in secondary containment.
- Do not store hazardous materials, drums or tanks in the ground.

GROUND STABILIZATION AND MATERIALS HANDLING PRACTICES FOR COMPLIANCE WITH THE NCG01 CONSTRUCTION GENERAL PERMIT

Implementing the details and specifications on this plan sheet will result in the construction activity being considered compliant with the Ground Stabilization and Materials Handling sections of the NCG01 Construction General Permit (Sections I and J, respectively). The permittee shall comply with the Erosion and Sediment Control plan approved by the delegated authority having jurisdiction. All details and specifications shown on this sheet may not apply depending on site conditions and the delegated authority having jurisdiction.

NCG01-SELF INSPECTION, RECORDKEEPING & REPORTING
EFFECTIVE: 05/17/19

PART II - SELF-INSPECTION, RECORDKEEPING AND REPORTING

SECTION A: SELF-INSPECTION

Self-inspections are required during normal business hours in accordance with the table below. When adverse weather or site conditions would cause the safety of the inspectors personnel to be in jeopardy, the inspection may be delayed until the next business day on which it is safe to perform the inspection. In addition, when a storm event of equal to or greater than 1.0 inch occurs outside of normal business hours, the self-inspection shall be performed upon the commencement of the next business day. Any time when inspections were delayed shall be noted in the Inspection Record.

Inspect	Frequency (during normal business hours)	Inspection records must include:
(1) Rain gauge maintained in good working order	Daily	Daily rainfall amounts. If no daily rain gauge observations are made during weekend or holiday periods, and no instantaneous rainfall information is available, record the cumulative rain measurement for those unattended days (and this will determine if a site inspection is needed). Days on which no rainfall occurred shall be recorded as "zero." The permittee may use another rain-measuring device approved by the Division.
(2) EISC Measures	At least once per 7 calendar days and within 24 hours of a site event ≥ 1.0 inch in 24 hours	1. Identification of the erosion impact. 2. Date and time of the inspection. 3. Name of person performing the inspection. 4. Indication of whether the measure was performed properly. 5. Description of any non-compliance noted by the Division. 6. Date and time of inspection. 7. Name of person performing the inspection. 8. Evidence of any remedial actions or observations taken, including any required notices or orders being issued by the Division. 9. Description of any corrective actions taken, and the expiration date of any actions taken to correct future violations.
(3) Stormwater discharge through ESDG	At least once per 7 calendar days and within 24 hours of a site event ≥ 1.0 inch in 24 hours	1. Identification of the discharge materials inspected. 2. Date and time of inspection. 3. Name of person performing the inspection. 4. Evidence of any remedial actions or observations taken, including any required notices or orders being issued by the Division. 5. Description of any corrective actions taken, and the expiration date of any actions taken to correct future violations.
(4) Perimeter of site	At least once per 7 calendar days and within 24 hours of a site event ≥ 1.0 inch in 24 hours	1. Identification of the discharge materials inspected. 2. Date and time of inspection. 3. Name of person performing the inspection. 4. Evidence of any remedial actions or observations taken, including any required notices or orders being issued by the Division. 5. Description of any corrective actions taken, and the expiration date of any actions taken to correct future violations.
(5) Stormwater discharge through ESDG	At least once per 7 calendar days and within 24 hours of a site event ≥ 1.0 inch in 24 hours	1. Identification of the discharge materials inspected. 2. Date and time of inspection. 3. Name of person performing the inspection. 4. Evidence of any remedial actions or observations taken, including any required notices or orders being issued by the Division. 5. Description of any corrective actions taken, and the expiration date of any actions taken to correct future violations.

NOTE: The rain inspection resets the required 7 calendar day inspection requirement.

PART II - SELF-INSPECTION, RECORDKEEPING AND REPORTING

SECTION C: REPORTING

1. Occurrences that must be reported

Permittees shall report the following occurrences:

- Visible sediment deposition in a stream or wetland.
- Oil spills of:
 - They are 25 gallons or more.
 - They are less than 25 gallons but cannot be removed within 48 hours.
 - They cause or risk causing surface water contamination.
 - They are within 100 feet of surface water (regardless of volume).
- Releases of hazardous substances in excess of the requirements under Section 311 of the Clean Water Act (Ref: 40 CFR 110.102) or under Section 117.3 of the Clean Air Act (Ref: 40 CFR 302.4) or G.S. 143-215.05.

Anticipated bypasses and unattended bypasses in compliance with this permit that may endanger health or the environment.

2. Reporting Timeframes and Other Requirements

After the occurrence of an occurrence that must be reported, the permittee shall contact the appropriate Division to report the occurrence and in accordance with the other requirements listed below. Occurrences that occur during normal business hours may also be reported to the Division's Emergency Response Center.

Occurrence	Reporting Timeframes (After Discovery) and Other Requirements
(a) Visible sediment deposition in a stream or wetland	<ul style="list-style-type: none"> Within 24 hours, an oral or electronic notification. Within 7 calendar days, a report that contains a description of the sediment and actions taken to address the cause of the deposition. Division staff may waive the requirement for a written report on a case-by-case basis. If the stream is named on the NC 2020, 501, as impaired for sediment-related causes, the permittee may be required to perform additional monitoring, inspections or apply more stringent practices if staff determine that additional requirements are needed to assure compliance with the Federal of state impaired-waters conditions.
(b) Oil spills and release of hazardous substances per Section 311 of the Clean Water Act	<ul style="list-style-type: none"> Within 24 hours, an oral or electronic notification. The notification shall include information about the date, time, nature, volume and location of the spill or release. A report of least ten days before the date of the bypass, if possible. The report shall include an evaluation of the anticipated quality and effect of the bypass.
(c) Anticipated bypasses (40 CFR 122.410(b)(5))	<ul style="list-style-type: none"> Within 24 hours, an oral or electronic notification. Within 7 calendar days, a report that includes an evaluation of the quality and effect of the bypass.
(d) Unattended bypasses (40 CFR 122.410(b)(5))	<ul style="list-style-type: none"> Within 24 hours, an oral or electronic notification. Within 7 calendar days, a report that contains a description of the non-compliance, and its cause; the period of non-compliance, including exact dates and times, and if the non-compliance has not been corrected, the anticipated time non-compliance is expected to continue, and steps taken or planned to reduce, eliminate, and prevent recurrence of the non-compliance. (40 CFR 122.410(b)(6)) Division staff may waive the requirement for a written report on a case-by-case basis.

PART II - SELF-INSPECTION, RECORDKEEPING AND REPORTING

SECTION B: RECORDKEEPING

1. EISC Plan Documentation

The approved EISC plan as well as any approved deviation shall be kept on the site. The approved EISC plan must be kept up-to-date throughout the entire duration of this permit. The following items pertaining to the EISC plan shall be kept onsite and available for inspection at all times during normal business hours.

Item to Document	Documentation Requirements
(a) Each EISC Measure has been installed and does not significantly deviate from the location, dimension and relative elevation shown on the approved EISC Plan.	Include and file each EISC Measure on a copy of the approved EISC Plan or complete, date and sign an inspection report that lists each EISC Measure shown on the approved EISC Plan. This documentation is required upon the initial installation of the EISC Measures or if the EISC Measures are modified after initial installation.
(b) A phase of grading has been completed.	Include and file a copy of the approved EISC Plan or complete, date and sign an inspection report to indicate completion of the construction phase.
(c) Ground cover is located and installed in accordance with the approved EISC Plan.	Include and file a copy of the approved EISC Plan or complete, date and sign an inspection report to indicate compliance with approved ground cover specifications.
(d) The maintenance and repair requirements for all EISC Measures have been performed.	Complete, date and sign an inspection report.
(e) Corrective actions have been taken to EISC Measures.	Include and file a copy of the approved EISC Plan or complete, date and sign an inspection report to indicate the completion of the corrective action.

2. Additional Documentation to be Kept Onsite

In addition to the EISC Plan documents above, the following items shall be kept on the site and available for agency inspectors at all times during normal business hours, unless the Division provides a specific exemption based on unique site conditions that make this requirement not practical:

- This general permit as well as the certificate of coverage, after it is received.
- Records of inspections made during the previous twelve months. The permittee shall record the required observations on the Inspection Record Form provided by the Division or a similar inspection form that includes all the required elements. Use of electronically available records in lieu of the required paper copies will be allowed if shown to provide equal access and ability to the hard-copy records.

3. Documentation to be Retained for Three Years

All data used to complete the e-ROD and all inspection records shall be maintained for a period of three years after project completion and made available upon request. (40 CFR 122.412)

PART II, SECTION G, ITEM (E) DRAW DOWN OF SEDIMENT BASINS FOR MAINTENANCE OR CLOSE OUT

Sediment basins and traps that receive runoff from drainage areas of one acre or more shall use outlet structures that withdraw water from the surface when these devices need to be drawn down for maintenance or close out unless this is infeasible. The circumstances in which it is not feasible to withdraw water from the surface shall be rare (for example, times with extended cold weather). Non-surface withdrawal from sediment basins shall be allowed only when all of the following criteria have been met:

- The EISC plan authority has been provided with documentation of the non-surface withdrawal and the specific time periods or conditions in which it will occur. The non-surface withdrawal shall commence until the EISC plan authority has approved these items.
- The non-surface withdrawal has been reported as an anticipated bypass in accordance with Part III, Section C, Item (2)(a) and (d) of this permit.
- Dewatering discharges are treated with controls to minimize discharges of pollutants from stormwater that is removed from the sediment basin. Examples of treatment controls include properly sized, designed and maintained dewatering tanks, wet tanks, and filtration systems.
- Impaired, upland areas of the site or a properly designed stone pad is used to the extent feasible at the outlet of the dewatering treatment devices described in Item (c) above.
- Velocity dispersion devices such as check dams, sediment traps, and riprap are provided at the discharge points of all dewatering devices, and
- Sediment removed from the dewatering treatment devices described in Item (c) above is disposed of in a manner that does not cause deposition of sediment into waters of the United States.



JACKSON COUNTY
ANIMAL RESCUE CENTER AND GREEN ENERGY PARK
DILLSBORO, NORTH CAROLINA

SHEET ISSUE NO.	DATE	DESCRIPTION	BY
1	9/2/2020	ISSUE FOR BID + PERMIT	WR



PRINCIPAL IN CHARGE: GARY WARNER
PROJECT ARCHITECT: WR
DRAWN BY: WR

SHEET TITLE:
NCG01 DETAILS

SHEET NO. C5.2
PRJ. NO. 02-191340