Required Ground Stabilization Timeframes

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 in no case longer 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.

Site Area Description

-7 days for perimeter dikes, swales, ditches, perimeter slopes and HQW Zones
-10 days for Falls Lake Watershed unless there is zero slope

Stabilize within this many calendar days after ceasing land disturbance:
-7
-14

(a) Perimeter dikes, swales, ditches, and perimeter slopes
(b) High Quality Water (HQW) Zones
(c) Slopes steeper than 3:1
(d) Slopes 3:1 to 4:1
(e) Areas with slopes flatter than 4:1

-7 days for slopes greater than 50' in length and with slopes steeper than 4:1
-7 days for perimeter dikes, swales, ditches, perimeter slopes and HQW Zones
-10 days for Falls Lake Watershed
<table>
<thead>
<tr>
<th>Scale</th>
<th>Soil-Structure Table</th>
</tr>
</thead>
<tbody>
<tr>
<td>1:20</td>
<td></td>
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<tr>
<td>1:50</td>
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<tr>
<td>1:100</td>
<td></td>
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<tr>
<td>1:200</td>
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<tr>
<td>1:500</td>
<td></td>
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<tr>
<td>1:1000</td>
<td></td>
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<td>1:2000</td>
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<td>1:5000</td>
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<td>1:20000</td>
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<td>1:50000</td>
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<td>1:5000000</td>
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<td>1:50000000</td>
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<tr>
<td>1:1000000000</td>
<td></td>
</tr>
</tbody>
</table>

**Description**

- Charlotte-Mecklenburg Services
- Plans Prepared By:
- PROJECT NAME

**Table Data**

- (Data columns for each row)

**Table Headers**

- (Table headers for each column)

**Table Footnotes**

- (Footnotes for each row)

**Table Notes**

- (Notes for each row)

**Table Figures**

- (Figures for each row)

**Table Legends**

- (Legends for each row)

**Table References**

- (References for each row)

**Table Comments**

- (Comments for each row)
Note to User: Culvert design elements to meet Water Quality permit requirements are site specific. Work with your City Project Manager to determine what is required on a project by project basis.
STRUCTURAL DETAIL EXAMPLE

1. Construction shall be in accordance with AASHTO Specifications Section 660.
2. All concrete to be Class II, Grade 1600, otherwise noted.
3. All concrete reinforcing steel shall be Grade 60.
4. All concrete structures over 2 ft in depth shall be provided with steps 1 ft in centers. Steps shall be in accordance with AASHTO Std. SH-60.
5. All exposed surfaces shall be chamfered 1/4.
6. All exposed joints shall be constructed sealed.
7. All pipe in storm drain structure shall be smooth even with the pipe shall chamfered and edges rounded.
8. All connections relating to placement of reinforcing steel are to be centered on basis.
9. Joints are to be used for construction of the section shown.
10. Reinforcement cover to be 3" at all faces unless otherwise noted.

PLANS PREPARED BY:

Charlotte-Mecklenburg Services

XX
**PART I: SELF-INSPECTION, RECORDKEEPING AND REPORTING**

### SECTION A: SELF-INSPECTION

Self-inspections are required during normal business hours in accordance with the table below:

<table>
<thead>
<tr>
<th>Job No.</th>
<th>Project Name</th>
<th>City/County</th>
<th>Division/Region</th>
<th>Date</th>
<th>Approved By</th>
<th>Prepped By</th>
<th>Checked By</th>
<th>Prepared By</th>
<th>Approved By</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td>NCG01</td>
<td>Charlotte-Mecklenburg</td>
<td>D2</td>
<td>04/01/19</td>
<td>EC1</td>
<td>Services</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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 inspection 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.

### SECTION B: RECORDKEEPING

**1. Data Management**

- All data used to complete the e-NOI and all inspection records shall be maintained for a period of three years.

**2. Additional Documentation to be Kept on Site**

- **E&SC Plan Documentation**
  - The approved E&SC plan must be kept up to date and available for inspection at all times during normal business hours.
  - Any time when inspections were delayed shall be noted in the Inspection Record.

**3. Reporting Timeframes and Other Requirements**

- **Permits**
  - **Visible sediment deposition in a stream or wetland**
    - Permittees shall report the following occurrences:
      - Visible sediment deposition in a stream or wetland.

**4. Releases of hazardous substances in excess of reportable quantities under Section 311 of the Clean Water Act**

- **Reporting Timeframes and Other Requirements**
  - **Release of a hazardous substance**
    - If the release is a hazardous substance, report it to the appropriate Division regional office within the timeframes and in accordance with the other requirements listed.

**5. Field Monitoring**

- Field monitoring is required for the following:
  - **E&SC Plan Documentation**
    - The E&SC plan has been reported as an anticipated bypass in accordance with Part III, Section C, Item (2)(c) and (d) of this permit.

**6. Noncompliance with the conditions of this permit that may endanger health or the environment**

- Any time when inspections were delayed shall be noted in the Inspection Record.

### SECTION C: REPORTING

#### 1. Occurrences that Must be Reported

- **Anticipated Bypasses**
  - Any time when inspections were delayed shall be noted in the Inspection Record.

**EFFECTIVE:** 04/01/19

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**NOTICE:** The rain inspection resets the required 7 calendar day inspection requirement.
GROUNDED STABILIZATION AND MATERIALS HANDLING PRACTICES FOR COMPLIANCE WITH THE North Carolina Construction General Permit

Implementing the details and specifications on this plan sheet will result in the construction activity being compliant with the GROUNDED Stabilization and MATERIALS Handling sections of the NCG01 Construction General Permit (Sections F and G, respectively). The permits require additional permits to be obtained and for application for stormwater or sediment control plan approved by the designated authority having jurisdiction. All details and specifications shown on this sheet may not apply on site conditions and the designated authority having jurisdiction (DAHJ).

SECTION 1: GROUNDED STABILIZATION

Required Ground Stabilization Timeframes

<table>
<thead>
<tr>
<th>Site Area Description</th>
<th>Stability within this many calendar days after finishing land disturbance</th>
<th>Timeframe variations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Perimeter dikes, swales, ditches, and perimeter slopes</td>
<td>7 days after finishing land disturbance</td>
<td>None</td>
</tr>
<tr>
<td>High Quality Water (HQW) Zones</td>
<td>7 days after finishing land disturbance</td>
<td>None</td>
</tr>
<tr>
<td>Slopes steeper than 3:1</td>
<td>7 days after finishing land disturbance</td>
<td>None</td>
</tr>
<tr>
<td>Slopes steeper than 5:1</td>
<td>7 days after finishing land disturbance</td>
<td>14 days after finishing land disturbance</td>
</tr>
<tr>
<td>Areas with slopes flatter than 4:1</td>
<td>7 days after finishing land disturbance</td>
<td>14 days after finishing land disturbance</td>
</tr>
</tbody>
</table>

Note: After the permanent cessation of construction activities, any areas with temporary ground stabilization shall be converted to permanent ground stabilization as soon as practical but no more than 30 calendar days after the last land disturbing activity. Temporary ground stabilization shall be maintained in a manner to render the surface stable until post-construction permanent ground stabilization is accomplished.

GROUNDED STABILIZATION SPECIFICATION

Stabilize the ground sufficiently so that rain will not dislodge the soil. Use one of the techniques in the table below.

<table>
<thead>
<tr>
<th>Technique</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydroseeding</td>
<td>Sown with seeds and fertilizers and covered with a protective layer of hay or straw.</td>
</tr>
<tr>
<td>Treated erosion control products with or without temporary erosion control</td>
<td>Rolled erosion control products with or without temporary erosion control.</td>
</tr>
<tr>
<td>Slope stabilization</td>
<td>Appropriate erosion control systems are applied to stabilize the slopes.</td>
</tr>
<tr>
<td>Permeable surface stabilization</td>
<td>A permeable surface is used to allow water to infiltrate the ground.</td>
</tr>
</tbody>
</table>

LITTER, BUILDING MATERIAL AND LAND CLEARING WASTE

1. Do not disturb or damage the site. Secure all temporary structures and equipment.
2. Do not use temporary structures or equipment in such a way as to disturb the site.
3. Do not pour any stored materials into the storm drain system.
4. Do not discharge stormwater into the storm drain system.
5. Do not discharge any liquid waste into the storm drain system.
6. Do not discharge any solid waste into the storm drain system.
7. Do not discharge any unauthorized materials into the storm drain system.
8. Do not discharge any unauthorized materials into the storm drain system.

POLLUTANT WASTE

1. Do not use any unauthorized materials in the construction area.
2. Do not use any unauthorized materials in the construction area.
3. Do not use any unauthorized materials in the construction area.
4. Do not use any unauthorized materials in the construction area.

PORTABLE TOILETS

1. Do not use any unauthorized materials in the construction area.
2. Do not use any unauthorized materials in the construction area.
3. Do not use any unauthorized materials in the construction area.
4. Do not use any unauthorized materials in the construction area.

CARRIAGE STOCKPILE MANAGEMENT

1. Do not use any unauthorized materials in the construction area.
2. Do not use any unauthorized materials in the construction area.
3. Do not use any unauthorized materials in the construction area.
4. Do not use any unauthorized materials in the construction area.

Hazardous and Toxic Waste

1. Do not use any unauthorized materials in the construction area.
2. Do not use any unauthorized materials in the construction area.
3. Do not use any unauthorized materials in the construction area.
4. Do not use any unauthorized materials in the construction area.

EQUIPMENT AND VEHICLE MAINTENANCE

1. Maintain the equipment in good working order to prevent discharge of fluids.
2. Provide drip pans under any stored equipment.
3. Identify leaks and repair as soon as possible or remove leaking equipment from the project site.
4. Collect all spent fluids, store in separate containers and properly dispose of them as soon as possible.
5. Remove leaking vehicles and construction equipment from service until the problem has been corrected.
6. Bring used fluids, lubricants, coolants, hydraulic fluids and other petroleum products to a recycling or disposal center that handles these materials.

CONCRETE WASHOUTS

1. Do not discharge concrete or cement slurry from the site.
2. Do not discharge concrete or cement slurry from the site.
3. Do not discharge concrete or cement slurry from the site.
4. Do not discharge concrete or cement slurry from the site.

HERBICIDES, PESTICIDES AND RODENTICIDES

1. Do not use any unauthorized materials in the construction area.
2. Do not use any unauthorized materials in the construction area.
3. Do not use any unauthorized materials in the construction area.
4. Do not use any unauthorized materials in the construction area.

HAZARDOUS AND TOXIC WASTE

1. Do not use any unauthorized materials in the construction area.
2. Do not use any unauthorized materials in the construction area.
3. Do not use any unauthorized materials in the construction area.
4. Do not use any unauthorized materials in the construction area.
1. **Temporary Silt Fence**
   - ECX Scale: NTS

2. **Catch Basin Inlet Protection**
   - ECX Scale: NTS

3. **Temporary Stream Crossing**
   - ECX Scale: NTS

4. **Temporary Rock Check Dam**
   - ECX Scale: NTS

5. **Embankment Matting Detail**
   - ECX Scale: NTS