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.

-7 days for perimeter dikes, swales, ditches, perimeter slopes and HQW Zones

-10 days for Falls Lake Watershed unless there is zero slope

-14 days for slopes steeper than 3:1

If slopes are 10' or less in length and are not steeper than 2:1, 14 days are allowed

-7 days for slopes greater than 50' in length and with slope 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>Project Name</th>
<th>Storm Drainage Structure Table</th>
</tr>
</thead>
<tbody>
<tr>
<td>Charlotte-Mecklenburg Services</td>
<td></td>
</tr>
</tbody>
</table>
Note to User: Culvert design elements to meet Water Quality permit requirements are project specific. Work with your City Project Manager to determine what is required on a project by project basis.
SEE SHEET 7A FOR PR ROADWAY PLAN AND PROFILE

CONTAINS SENSITIVE CHARLOTTE WATER UTILITY INFORMATION, DO NOT DUPLICATE.
Non-surface withdrawals from sediment basins shall be allowed only when all of the following criteria have been met:

- 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 surface water shall be rare (for example, times with extended cold weather).

- Drawdown of sediment basins for maintenance or close out

**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 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 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.**

<table>
<thead>
<tr>
<th>Inspection</th>
<th>Frequency</th>
<th>Non-surface withdrawal (business hours)</th>
</tr>
</thead>
<tbody>
<tr>
<td>(a) Non-surface withdrawal (business hours)</td>
<td>Daily and weekly</td>
<td>Performance by authorized personnel on-site or by on-site personnel or personnel with appropriate training and experience</td>
</tr>
<tr>
<td>(b) Stormwater Much More (0.05)</td>
<td>All events per 1/2 hour and within 24 hours of a rain event</td>
<td>1. Identification of the inspection site. 2. Verification of the E&amp;SC Plan and the location and condition of all stormwater control features. 3. Verification of the condition of the drain system for the entire site.</td>
</tr>
<tr>
<td>(c) Perimeter of site</td>
<td>All events once per 1/2 hour and within 24 hours of a rain event, event over 1/2 inch, 24 hours</td>
<td>1. Identification of the inspection site. 2. Verification of the E&amp;SC Plan and the location and condition of all stormwater control features. 3. Verification of the condition of the drain system for the entire site.</td>
</tr>
<tr>
<td>(d) Stormwater Liquids (0.05)</td>
<td>All events per 1/2 hour and within 24 hours of a rain event</td>
<td>1. Identification of the inspection site. 2. Verification of the E&amp;SC Plan and the location and condition of all stormwater control features. 3. Verification of the condition of the drain system for the entire site.</td>
</tr>
<tr>
<td>(e) Inspections of site and capabilities (total)</td>
<td>All events per 1/2 hour and within 24 hours of a rain event</td>
<td>1. Identification of the inspection site. 2. Verification of the E&amp;SC Plan and the location and condition of all stormwater control features. 3. Verification of the condition of the drain system for the entire site.</td>
</tr>
<tr>
<td>(f) Inspections of site and capabilities (total)</td>
<td>All events per 1/2 hour and within 24 hours of a rain event</td>
<td>1. Identification of the inspection site. 2. Verification of the E&amp;SC Plan and the location and condition of all stormwater control features. 3. Verification of the condition of the drain system for the entire site.</td>
</tr>
</tbody>
</table>

NOTE: The rain inspection resets the required 7 calendar day inspection requirement. **SECTION B: RECORDKEEPING**

**3. Documentation of inspections**

All data used to complete the e-NOI and all inspection records shall be maintained for a period of three years after project completion and made available upon request. [40 CFR 122.41](https://www.epa.gov/). **SECTION C: REPORTING**

**1. Occurrences that Must be Reported**

Permittees shall report the following occurrences:

- Releases of hazardous substances in excess of reportable quantities under Section 311 of the Clean Water Act (Ref: 40 CFR 110.3 and 40 CFR 117.3) or Section 102 of CERCLA (Ref: 40 CFR 302.4) or G.L. 143-215.85.

- Anticipated bypasses and unanticipated bypasses.

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

**2. Reporting Timeframes and Other Requirements**

After the occurrence becomes aware of an occurrence that may be reportable in accordance with Paragraphs 40 CFR 122.41, he shall contact the appropriate Division regional office within the timeframe and in accordance with the other requirements listed below. Occurrences outside normal business hours may also be reported to the Department’s Environmental Emergency Center personnel at (800) 858-0368.

- Releases of hazardous substances in excess of reportable quantities under Section 311 of the Clean Water Act (Ref: 40 CFR 110.3 and 40 CFR 117.3) or Section 102 of CERCLA (Ref: 40 CFR 302.4) or G.L. 143-215.85.

- Anticipated bypasses and unanticipated bypasses.

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

**4.ör sine 40 CFR 122.41, he shall contact the appropriate Division regional office within the timeframe and in accordance with the other requirements listed below. Occurrences outside normal business hours may also be reported to the Department’s Environmental Emergency Center personnel at (800) 858-0368.**

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

**DRAWN 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 surface 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 surface 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 surface water from the surface when these devices need to be drawn down for maintenance or close out unless this is infeasible.

- Dewatering discharges are treated with controls to minimize discharges of pollutants from stormwater that is removed from the sediment basin. Examples of appropriate controls include properly sited, designed and maintained dewatering tanks, weir tanks, and filtration systems.

- Vegetated, upland areas of the sites or a properly designed stone pad is used to the extent feasible at the outlet of the dewatering treatment devices described in item (b) above, to protect soil erosion.

- Velocity dissipation 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.
Implementing the details and specifications on this plan sheet will result in the construction of a project that satisfies the requirements for erosion and sediment control as outlined in the approved Erosion and Sediment Control plan. This plan shall be used in conjunction with the NC Department of Transportation’s Ground Stabilization and Materials Handling practices for compliance with the Erosion and Sediment Control Plan approved by the appropriate authorities.

**GROUND STABILIZATION AND MATERIALS HANDLING PRACTICES FOR COMPLIANCE WITH THE EROSION AND SEDIMENT CONTROL PLAN**

The following practices are required to be implemented on this project:

1. **Erosion Control Plan**
   - The site shall be covered with a soil cover that is suitable for the intended use.
   - All disturbed areas shall be stabilized within 14 days after completion of land disturbance activities.

2. **Stockpile Management**
   - Stockpile locations shall be approved by the appropriate authorities.
   - Stockpiles shall be stabilized with a minimum offset of 10 feet.
   - Stockpile areas shall be labeled and sized appropriately for the needs of the site.

3. **Waste Management**
   - All waste shall be disposed of in an approved disposal facility.
   - Waste containers shall be located on areas that do not receive substantial amounts of runoff.
   - Waste containers shall be emptied as needed to prevent overflow.

4. **Concrete Washouts**
   - Concrete washouts shall be used for stormwater collection only.
   - Concrete washouts shall be approved by the appropriate authorities.
   - Concrete washouts shall be located at least 50 feet from storm drain inlets.

5. **Herbicides, Pesticides, and Rodenticides**
   - Herbicides, pesticides, and rodenticides shall be used in accordance with label restrictions.
   - All applications shall be documented.

6. **Hazardous and Toxic Waste**
   - All hazardous waste shall be collected and disposed of in an approved disposal area.
   - All hazardous waste shall be labeled appropriately.

**GROUND STABILIZATION SPECIFICATION**

The soil cover shall be sufficient to prevent erosion on disturbed soils for temporary or permanent control needs. The soil cover shall be placed in layers and compacted as necessary to prevent erosion. The soil cover shall be labeled and sized appropriately for the needs of the site.

**GROUND STABILIZATION TIMETABLES**

<table>
<thead>
<tr>
<th>Site Area Description</th>
<th>Stabilization within this many calendar days after completion of land disturbance</th>
<th>Timeframe variations</th>
</tr>
</thead>
<tbody>
<tr>
<td>(a) Perimeter dikes, ditches, and slopes</td>
<td>7 days</td>
<td>None</td>
</tr>
<tr>
<td>(b) High Quality Water (HQW) zones</td>
<td>7 days</td>
<td>None</td>
</tr>
<tr>
<td>(c) Slopes steeper than 3:1</td>
<td>7 days</td>
<td>None</td>
</tr>
<tr>
<td>(d) Slopes 3:1 to 4:1</td>
<td>14 days</td>
<td>None</td>
</tr>
<tr>
<td>(e) Areas with slopes flatter than 4:1</td>
<td>14 days</td>
<td>None</td>
</tr>
</tbody>
</table>

**REFERENCES**

- NC DWR List of Approved PAMS/Flocculants
- NC DWR List of Approved Paints
- NC DWR List of Approved Concrete Washouts

**NOTES**

- This plan is effective as of 04/01/19.
- This plan is subject to change as required by the appropriate authorities.

**PROJECT NAME**

Charlotte-Mecklenburg

**CHECKED BY**

**PREPARED BY**

**APPROVED BY**

**EFFECTIVE**: 04/01/19

**EFFECTIVE**: 04/01/19

**EFFECTIVE**: 04/01/19