

Construction Sequence

*****this sequence can be tailored for individual sites – not all items will apply to every project******

Items must occur in the order listed; items cannot occur concurrently unless specifically noted.

1. Receive Land Disturbance Approval from the City of Columbia. [and NPDES coverage from DHEC if 1 acre or greater].
 2. Hold a Pre-construction meeting (on-site if more than 10 disturbed and non-linear) with operators, engineers, and City of Columbia Stormwater Management Staff.
 3. Notify the City of Columbia Utilities & Engineering Staff (including Stormwater) 48 hours prior to beginning land-disturbing activities.
 4. Installation of construction entrance(s).
 5. Clearing & grubbing only as necessary for installation of perimeter controls.
 6. Installation of perimeter controls (e.g., silt fence)
 7. Clearing & grubbing only in areas of basins/ traps/ ponds
 8. Installation of basins/ traps/ ponds and installation of diversions to those structures (outlet structures must be completely installed as shown on the details before proceeding to next step; areas draining to these structures cannot be disturbed until the structures and diversions to the structures are completely installed)
 9. Clearing & grubbing of site or demolition (sediment & erosion control measures for these areas must already be installed)
 10. Rough grading
 11. Installation of storm drain system and placement of inlet protection as each inlet is installed
 12. Fine grading, paving, etc.
 13. Permanent/ final stabilization
 14. Clean-out of detention basins that were used as sediment control structures and re-grading of detention pond bottoms; if necessary, modification of sediment basin riser to convert to detention basin outlet structure
 15. Removal of temporary sediment & erosion control measures after entire area draining to the structure is finally stabilized (The Department recommends that the Project Owner/ Operator have the SWPPP Preparer or registration equivalent approve the removal of temporary structures.)
 16. Perform as-built surveys of all detention structures and submit to City of Columbia MS4 for acceptance.
 17. Submit Notice of Termination (NOT) to City of Columbia MS4 or DHEC as appropriate.
- *Note:* If NPDES coverage is being issued after land-disturbing activities have already started (e.g., in response to a Notice to Comply, Notice of Violation, or enforcement action), then the construction sequence must specifically indicate the items that have already occurred and the items that will be occurring after NPDES coverage is issued.
 - *Note:* If flows from offsite areas will be diverted around the site and the on-site structures are not designed to handle flows from the offsite areas, then the diversions/ piping for the offsite flows must be installed before land-disturbing activities begin on the site; include this in the sequence. Sediment and erosion control measures for the disturbed areas for the diversion/ piping must be installed before those areas are disturbed and should be shown on the plans.
 - *Note:* If an existing detention/ sediment basin is being modified to handle the flows from the proposed development, then it must be modified before land-disturbing activities begin on the site. This should be included in the sequence.
 - *Note:* Include individual lot development/ construction in the sequence if the site will not be mass-graded.
 - *Note:* Installation of some permanent water quality devices should occur after the site is stabilized; include this in the sequence. Cleanout of other water quality devices that were used during construction should occur after site stabilization.
 - *Note:* Maintenance of sediment and erosion control measures must continue until the site is permanently stabilized and the controls are removed.