

## Stormwater Record Report Checklist – Underground Detention

### Section 1 – SWM Facility General Information

Project Name:	Project Location:
BMP Location (Latitude/Longitude in decimal degrees):	
BMP ID:	Total Drainage Area To BMP (Acres):
Impervious Drainage Area to BMP (Acres):	Pervious Drainage Area to BMP (Acres):
6 <sup>th</sup> Order HUC:	Date Facility Brought Online:
Name of any impaired waters the BMP discharges to (2012 305(b)/303(d)):	
Pretreatment: <input type="checkbox"/> YES <input type="checkbox"/> NO	If yes, indicate type of pretreatment:

### Section 2

**Instruction:** This checklist shall be completed if an Underground Detention has been designed and installed on a construction site. The completed checklist shall be provided as a part of the Stormwater Record Report submittal for each Underground Detention installed. The Stormwater Record Report for the installation of an Underground Detention shall contain the following information for submittal to Virginia Tech Site and Infrastructure Development:

- Completed Stormwater Record Report Checklist – Underground Detention
- Professional Engineer seal and signature
- Project description
- Location map showing the location of the Underground Detention
- Original design documents including:
  - Drainage area maps
  - VRRM spreadsheet, if applicable
- Underground Detention details showing:
  - Underdrain/Outlet storm drain inverts
  - Riser top elevations
  - Chamber/pipe locations and elevations
  - Sizing calculations
- Material specifications for each layer of material used including stone, liner, geotextile, filter fabric, etc.
- Record survey information including:
  - Elevations of each layer of the Underground Detention in multiple locations
  - Elevations of storm drain inverts and orifice plate and weir wall

- Photos of orifice plate and weir wall
- Photos of all surveyed elements and all layers being installed
- Photos of the underdrain and outlet storm drain connections to cleanouts and to the riser structure
- Photos of liner key-in installation
- Survey information for the top of the riser structure
- Welding testing logs for liner installation, if applicable
- Updated drainage area maps to reflect any grading amendments affecting the overall drainage area to the Underground Detention, if applicable
- Maintenance and Inspection Schedule/Requirements

Virginia Tech Site and Infrastructure Development reserves the right to not approve the Stormwater Record Report if it does not contain the items listed above.

Professional Engineer: \_\_\_\_\_ Date: \_\_\_\_\_