



Sediment and Stormwater Program Project Application Meeting

Project Name: Richard A. Shields Elementary School

Meeting Date: May 23, 2019

I. Discussion Items

1. Watershed Identification

- a. TMDL Watershed/Major Basin: Broadkill River / Delaware Bay
- b. HUC 10/HUC 8: Broadkill River - Delaware Bay / Broadkill - Smyrna

2. Groundwater Mapping

- a. Wellhead Protection Areas:
 - YES
 - NO
- b. Depth to Water Table (Wet): mostly 6'-9'; some 3'-6'

3. Watershed Master Plan

- a. Does this site fall within an area served by a watershed master plan?
 - Appoquinimink WS
 - Murderkill WS
 - Upper Nanticoke WS
 - Other: _____
 - Not within an area served by a watershed master plan

- b. What special design criteria are set for this project based upon its location in a watershed having a master plan?

I. Discussion Items

4. Does the site contain tax ditches?

- YES
 NO (continue to the next item)

Tax Ditch Name	Right-of-way Information

a. Is there a proposal for changing tax ditch watershed boundaries?

- YES
 NO

b. Does the tax ditch require a court order change (COC) for development to occur as planned?

- YES
 NO

c. Additional information regarding court order change:

5. Proposed grading plan.

a. Proposed grading plan must not block drainage from offsite areas currently draining onto the site.

i. Are offsite areas currently draining onto the site?

- YES
 NO

ii. If YES, how will offsite areas draining onto the site be managed?

- Captured in onsite BMPs
 Bypassed

I. Discussion Items

- b. Disturbed areas greater than 20 acres will require engineered control practices designed for bare earth conditions for a 2-YR, 24-HR storm event.

Proposed disturbed area: <20 ac

6. The plan areas will be reviewed and approved by the following agency(ies):

a. Onsite areas: DNREC Sediment and Stormwater Program

b. Offsite roadway improvements: N/A

7. Is there a proposal to discharge to a DeIDOT, municipal or private drainage system?

YES – notice of intent to discharge must be provided to system owner

NO (continue to next item)

8. NPDES Construction General Permit (CGP) – All projects that disturb 1.0 acre or greater must file a Notice of Intent (NOI) for Construction Activity prior to plan approval through the Department's eNOI Web site:

<https://apps.dnrec.state.de.us/eNOI/default.aspx>

NOTE: The contractor on State and Federal projects may be required to file as a co-permittee.

9. Construction Review – All State and Federal projects will require construction review by a third party Certified Construction Reviewer (CCR).

10. Fees

- a. The plan review & inspection fee to be submitted to the Department is \$80/disturbed acre to the nearest 0.1 ac.
- b. The NOI fee is \$195 to be paid through the eNOI Web site.
- c. Active projects will be billed \$195/yr for CGP coverage until a Notice of Termination (NOT) has been processed.

II. Agreement Items

1. Points of Analysis (POAs)

a. Onsite points of analysis:

- POAs in accordance with SAS plan submitted
- POAs modified as follows: _____
- New POA(s) added as follows:
Sussex Drive & Savannah Rd Storm Drain - lowest point; east PL toward Blockhouse Pond

b. Offsite / downstream points of analysis based upon 10% rule:

- POAs in accordance with SAS plan submitted
- POAs modified as follows: _____
- New POA(s) added as follows:

2. Drainage area boundaries:

- Existing conditions drainage area boundaries in accordance with SAS drainage area plan submitted
- Modified as per project application meeting (see revised plan) Limit drainage areas to LOD areas

3. Existing drainage features:

- In accordance with SAS drainage features map as submitted
- Modified as per project application meeting (see marked-up plan)

4. Stormwater Management for RPv Compliance

- #### a. The *Delaware Sediment and Stormwater Regulations* require that runoff reduction practices be used to meet the RPv requirements. The following runoff reduction BMPs are being considered for the site:

48 hour ED; Bioretention if elevations allow for area draining to Savannah Rd

- #### b. Proposed BMPs will require infiltration testing for design and confirmatory infiltration testing during construction.

- Yes (NOTE: Use of the borehole method for design requires prior approval and 2.5X safety factor for design rate.)
- No

II. Agreement Items

- c. Justification if runoff reduction practices are considered not feasible for the site:

Poor infiltration rates; soil investigation has already been completed

- d. Indicate section of Regulations for complying with RPv:

- 5.2.3.1.1 Runoff reduced to equiv. wooded condition, up to maximum 1" of runoff
- 5.2.3.1.2 Runoff reduced to equiv. grassed open space condition, up to maximum 1" of runoff
- 5.5 Alternative criteria: _____
- 5.6.2.1 Redevelopment of a contaminated site under Department approved remediation plan
- 5.6.2.3.1 Redevelopment of site with SWM system(s) IAW 1991 or later DSSR with reduction of imperviousness
- 5.6.3.4.3 Redevelopment of site with SWM system(s) IAW 1991 or later DSSR; runoff reduced to equiv. grassed open space for increased impervious area
- 5.6.2.4.1 Redevelopment resulting in 15% or greater reduction in impervious area
- 5.6.2.4.2 Redevelopment resulting in less than 15% reduction in impervious area; reduce runoff to equivalent 15% effective imp.
- 5.6.2.4.3 Redevelopment resulting in increase in imperviousness; reduce runoff to equiv. 15% effective imp. for existing impervious area; reduce runoff to equiv. grassed open space for increased impervious area

- e. List any other issues related to RPv compliance requirements:

II. Agreement Items

5. Stormwater Management for Cv and Fv Compliance

- a. The following BMPs are being considered for stormwater quantity management for meeting the Cv and Fv requirements:

ED practice

- b. Indicate section of Regulations for complying with Cv:

- 5.3.3.1 Management for no adverse impact
- 5.3.3.2 Improve downstream conveyance system
- 5.3.3.3 Adequate conveyance of Cv to tidal discharge
- 5.3.3.4 Watershed location ("Beat the Peak")
- 5.3.3.5 Watershed location (LOD \leq 10% of upstream drainage area)
- 5.3.3.6 Site has *de minimis* discharge for Cv
- 5.5.1 Management in accordance with watershed management plan

- c. Indicate section of Regulations for complying with Fv:

- 5.4.3.1 Management for no adverse impact
- 5.4.3.2 Improve downstream conveyance system
- 5.4.3.3 Adequate conveyance of Fv to tidal discharge
- 5.4.3.4 Watershed location ("Beat the Peak")
- 5.4.3.5 Watershed location (LOD \leq 10% of upstream drainage area)
- 5.4.3.6 Site has *de minimis* discharge for Fv
- 5.5.1 Management in accordance with watershed management plan

- d. List any other issues related to compliance with the Cv or Fv requirements.

II. Agreement Items

6. Wetland delineation will be required for the project:

YES

NO

Wetland Comments:

7. Next submittal step:

Step 2 Preliminary Sediment and Stormwater Management Plan

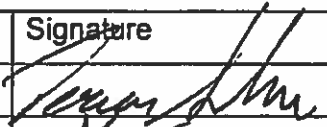


(Include Step 2 Plan Review Checklist with submittal.)

Combined Step 2/3 Preliminary and Sediment and Stormwater Management Plan

(Include Combined Step 2/3 Checklist with submittal.)

Sediment and Stormwater Program Project Application Meeting Discussion & Agreement Items

The Preliminary Sediment & Stormwater Plan shall be based upon the discussion and agreement items from this Project Application Meeting. The Delegated Agency reserves the right to revisit the agreement items from the original Project Application Meeting if the applicant later proposes significant changes to the project which would alter the results of the original Stormwater Assessment Study (SAS). Signing below indicates presence and participation at this Project Application Meeting for the project identified in this document, as well as agreement to the items referenced in this document.

Printed Name	Company/Agency	Email address	Signature
Terry Scanlon	Davis, Bowen & Friedel, Inc.	tps@dbfinc.com	
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