



Stormwater Control Measures Inspection Report Site Inspection Report

Report Generated: 09-05-23 2:14pm

Project Name:	Bridlewood, Cottages at Neptune Canyon	Jurisdiction:	Sussex County
Inspected:	Entire Project		
Owner:	Rush Ellis rushellis@aol.com	Inspector:	Buddy Griffith
		Inspection Completed:	08-25-2023 03:41 pm
		Inspection weather:	Temperature: 86 degrees, Partly Cloudy
		Inspection Type:	Annually
		Current Activity:	Not Applicable;
		Current Site Status:	Non-compliant

1)	Do conditions exist that prevent inspection at this time?	No
2)	Are all required access pathways available and adequately maintained?	Yes
3)	Are relevant components of the BMP (i.e. slopes, buffers, channels, outlets, inlets, spillways) free of evidence of erosion?	Yes
4)	Are relevant components of the BMP (i.e. slopes, buffers, channels, outlets, inlets, forebay, pond bottom) free of evidence of excessive sediment accumulation?	Open Work Items Exist
	Maintenance Action Required- Noted: 08 / 25 / 2023 See notes and photo section for comments on sedimentation in the riprap swale	
5)	Is riprap installed as required and adequately maintained?	Yes
6)	Are inlet structural components properly maintained & functioning?	Yes
7)	Are risers and trash racks installed, as required, functioning and properly maintained?	Yes
8)	Is the water quality orifice visible, free of obstruction & properly functioning?	Yes
9)	Are outlet structural components properly maintained & functioning?	Open Work Items Exist



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Maintenance Action Required- Noted: 08/25/2023

See notes and photo section for comments on the outlet.

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|------------|---|------------------------------|
| 10) | Are all components of the BMP free of trash and debris? | Yes |
| 11) | Is vegetation adequately established and maintained? | Yes |
| 12) | Is the BMP free of unwanted trails and animal burrows? | Yes |
| 13) | Is the BMP free of noxious weeds and invasive species? | Open Work Items Exist |
| | Maintenance Action Required- Noted: 08/25/2023
See notes and photo section for comments on unwanted vegetation . | |
| 14) | Are embankments adequately maintained free of evidence of material defects (cracks, depressions, bulges, settlement, seepage, etc.)? | Open Work Items Exist |
| | Maintenance Action Required- Noted: 08/25/2023
See notes and photo section for comments on the embankment | |
| 15) | General Notes/ Photos | See notes |

Notes Recorded:

This stormwater is not being maintained. Trees, phragmites, dirt piled on the embankment along with the outlet spillway allowed to grow up in trees requires immediate attention. It is Sussex Conservation District's position that no trees are allowed to grow in the basin or on the embankment. The riprap spillway around the weir wall outlet should not have any trees or tree debris that will damage the weir wall with root growth or potentially block the release of stormwater. The riprap in the inlet swales should be periodically cleaned of sedimentation which will eventually fail to filter stormwater as designed. These comments are recommendations only as once a subdivision has been released as this one has SCD has no authority to mandate that the work be performed. My job is to make assessment and recommendations to return the stormwater facility to its original design so that it continues to function as designed.



Photo 1 - 8/25/2023 03:40pm



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Photo 2 - 8/25/2023 03:40pm



Photo 3 - 8/25/2023 03:40pm



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Photo 4 - 8/25/2023 03:40pm



Photo 5 - 8/25/2023 03:40pm



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Photo 6 - 8/25/2023 03:40pm



Photo 7 - 8/25/2023 03:40pm



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Photo 8 - 8/25/2023 03:40pm



Photo 9 - 8/25/2023 03:40pm



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Photo 10 - 8/25/2023 03:40pm



Photo 11 - 8/25/2023 03:40pm



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Photo 12 - 8/25/2023 03:40pm



Photo 13 - 8/25/2023 03:40pm



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Photo 14 - 8/25/2023 03:40pm



Photo 15 - 8/25/2023 03:40pm



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Photo 16 - 8/25/2023 03:40pm



Photo 17 - 8/25/2023 03:40pm



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Photo 18 - 8/25/2023 03:40pm



Photo 19 - 8/25/2023 03:40pm



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Photo 20 - 8/25/2023 03:40pm



Photo 21 - 8/25/2023 03:40pm



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Photo 22 - 8/25/2023 03:40pm



Photo 23 - 8/25/2023 03:40pm

16) Do items of non-compliance other than those previously noted exist?

No



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Inspected by:

Buddy Griffith
Stormwater Maint Inspector
SCD
Sussex Conservation District
buddy.griffith@sussexconservation.org

You are required to notify the District for the following three Inspections:

1. Perimeter control review (PCR)
2. Installation of Stormwater BMP including outfall structure/pipe, cut-off/core trench, and/or Stormtech system.
3. Final stormwater management facility and stabilization inspection prior to project closeout

Sediment & Stormwater NPDES Compliance

The NOI permittee is required to maintain the following onsite at all times:
SCD approved (green stamped) Sediment and Stormwater Plan and revisions

- Copy of the Sediment and Stormwater Approval Letter
- Copy of the NOI permit from DNREC
- CCR Application
- CCR Reports and/or weekly NPDES self-inspection reports, including supplemental inspections after every 1/2 inch or greater rain event.
- SCD Inspection Reports

Stormwater BMP Construction:

- o BMP checklist is to be completed by the contractor, CCR, or geotechnical engineer. This information is required for as-built approval. (photo documentation to be included)
- o SCD requires an as-built of each stormwater management facility within 60 days of completion.
- o All dewatering methods and discharge locations must be approved by the SCD inspector prior to commencing activity. Contractor or Developer is responsible for obtaining a dewatering permit from DNREC Water Supply (302-739-9944).
- o SCD inspector, CCR, or Geotechnical engineer need to be notified and present during BMP construction:
 - o BMP Installation (see BMP checklist). Care is to be taken not to compact infiltration practice. (Please note that post construction infiltration testing is required to verify the design rate)
 - o Provide documentation or other proof that water tight pipe joints are used where specified.
 - o If a SCD inspector or CCR cannot be present to verify the installation of an anti-seepage collar, outfall structures/pipe, concrete cradle, or cut-off/core trench, then the contractor is responsible for providing the District with digital photograph documentation of the installation and result.
 - o Embankment Ponds that have a cut-off/core trench are required to have a geotechnical report verifying compliance with Pond Code 378. This report is required to be submitted with the as-built.



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- o Prior to project closeout the following is required for all constructed stormwater facilities: approved as-built survey, BMP construction checklist (along with photo documentation), post construction infiltration testing and geotechnical report if applicable.

BMP Construction Checklists and Post Construction Verification Checklists are available on the District Website at <https://www.sussexconservation.org/>