

Project: The Hamlet
Location: Zephyr Road, Williston
Permit: 4449-9010
Date: 6/17/2020
Weather: Sunny, 82 degrees
Recent precipitation: N/A

2020 Annual Inspection Report Notes

Repair/maintenance items are in bold

- This project includes the following street segments; Zephyr Road from $\pm 350'$ off Essex Road (VT Route 2A) to the Finney Crossing development, Day Lane from Zephyr Road south to Seymour Street, Seymour Street from Day Lane to the Finney Crossing development, all of Madison Drive, Center Street and Jakes Way.
- The project generally consists of a closed stormwater system that conveys stormwater runoff to a central detention pond located at the western end of the project limits. Lawn and ditch areas are well vegetated with no signs of sediment accumulation or erosion. **There are eight (8) catch basin sumps that require cleaning.**
- The stormwater pond has well vegetated side slopes with areas of cattails and reeds along the edge of water and forebay berm. The shape and depth of forebay/pond is generally in accordance with the design plans. The water level in the pond was elevated $\pm 15"$ due to a blockage in the low flow orifice. A plastic bag was removed from the orifice, along with other significant amounts of trash material floating in the pond near the outlet structure. There was no blockage in the 6" orifice during the inspection. **An orifice hood should be installed to prevent future blockage of debris/vegetation.** The structure is significantly off-level, while this does not appear to have impacted the functionality of the pond at this time, it should be monitored.
- The storm pipes inletting into the pond from the east are in good condition and have sufficient stone to prevent erosion. **The storm pipes (2) from the northeast are currently blocked with sediment and stone build-up.** There is significant amount of plant growth directly in front of the storm pipes, however this does not appear to be hindering flow or causing any issues at this time (continue to monitor). The storm pipe from the north, located closest to the outlet structure, is installed $\pm 12"$ above grade. There is notable erosion below the pipe outlet continuing to the pond water level. **Large stone should be added below the pipe outfall in order to prevent future erosion and to bring the outfall grade up to the pipe invert.**
- There is a cleanout located along the pond sideslope that has not been adjusted to finish grade, **cut and lower the cleanout cap to within 6" of finish grade and install a metal delineator to mark location.**

L&D Project 20036
 "The Hamlet" Stormwater Structure Inventory
 June, 2020

Structure	Depth of Sediment (inches)	Clean (Yes/No)	Additional Notes
CB #			
1	6"		
2	6"		
3	4"		
4	N/A		no structure
5	3"		
6	10"	YES	
7	sump full	YES	
8	2"		
9	sump full	YES	
10	4"		
11	4"		
12	2"		
13	2"		
14	0"		
15	2"		
16	3"		
17	3"		
18	2"		
19	4"		
20	4"		
21	5"		
22	2"		
23	3"		
24	3"		
25	3"		
26	3"		
27	3"		
28	4"		
29	sump full	YES	
30	3"		
31	3"		solid cover
32	N/A		no structure
33	8"		
34	half way up pipe	YES	
35	3"		some settling
36	4"		
37	2"		
200	sump full	YES	
STMH #			
1	sump full	YES	
2	sump full	YES	
3	0"		
4	0"		
5	0"		
6	0"		
7	0"		
8	0"		
9	0"		

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Stormwater Annual Inspection Report

version 1.15

(Submission #: HP0-M9VJ-YKW7M, version 1)

Details

Form Alias Stormwater Annual Inspection Report
Form Started 6/19/2020 8:47 AM by Nicholas Daniel Smith
Form Submitted 6/19/2020 8:49 AM by Nicholas Daniel Smith
Submission # HP0-M9VJ-YKW7M
Status Deemed Complete
Active Steps Administrative Review
Permit # 4449-9010

Form Input

Permit Information

Permit Number
4449-9010

Permit Name
The Hamlet

Permit Location
Zephyr Lane

Permit Status
Issued

1. Has ownership changed since previous authorization?
No

2. Has the amount of impervious area changed since previous authorization?
No

3. Has the project been constructed?
Yes

Maintenance Inspection Checklist

4. Are there any vegetated areas that require mowing or other maintenance?
Yes

Please provide an explanation and schedule for mowing or maintenance to be completed.
See attached inspection notes.

5. Do catch basins need maintenance or sediment removed from sumps?
Yes

Please provide an explanation and schedule for maintenance and cleaning to be completed.
See attached inspection notes and sump inventory.

6. To the best of your knowledge, have there been any illicit discharges to the system (illicit discharges would include dumping of oil, gas, detergent, vehicle wash water, etc)?
No

7. Has there been any re-routing of stormwater to avoid the system?

No

8. Was any erosion noted during inspection (for example in areas of exposed soil in channels, outlets, or on pond berms)?

No

9. Was any accumulation of sediment noted in the basins, ponds, or constructed wetlands?

No

10. Is there any additional maintenance or repairs needed at this time?

Yes

Please provide an explanation and schedule for maintenance or repairs to be completed.

See attached inspection notes.

Statement of Compliance

Inspector's Name

Nicholas Daniel Smith

Title

Engineer

Email

Nick@ldengineering.com

Phone

802-878-4450

Inspector's Mailing Address (Ignore any address validation errors that are displayed)

14 Morse Drive
Essex, Vermont 05452

11. Date of Inspection

6/17/2020

Please select from the dropdown below, which of these options apply.

A - MAINTAINED. Based on the noted observations, and to the best of my knowledge, this report can serve as confirmation that the stormwater system is being maintained and operated in general conformance with the approved plans and the discharge permit referenced above, and that the stormwater system is in good operating condition.

B - NOT MAINTAINED. Based on the noted observations, and to the best of my knowledge, this report can serve as notification that the stormwater system is not being maintained and operated in general conformance with the approved plans and the discharge permit referenced above, and that the stormwater system is not in good operating condition.

NOTE: If you indicated in the Permit Information section that the project has not been constructed, "C - NOT CONSTRUCTED" will already be selected.

12. Statement of Compliance

A - MAINTAINED

Attachments

Annual Inspection Report Attachments

[2020 annual inspection notes.pdf - 06/19/2020 08:49 AM](#)

Comment

NONE PROVIDED

Attachments

Date	Attachment Name	Context	User
6/19/2020 8:49 AM	2020 annual inspection notes.pdf	Attachment	Nicholas Smith

Status History

	User	Processing Status
6/19/2020 8:47:18 AM	Nicholas Daniel Smith	Draft
6/19/2020 8:49:42 AM	Nicholas Daniel Smith	Submitted
6/19/2020 9:15:03 AM	ANROnline Services	Deemed Complete

Processing Steps

Step Name	Assigned To/Completed By	Date Completed
Form Submitted	Nicholas Daniel Smith	6/19/2020 8:49:42 AM
Administrative Review	Catherine Gott	
Stormwater update complete	ANROnline Services	6/19/2020 9:15:03 AM