

January 22, 2024

Joy Dubin-Grossman
Assistant Town Manager
Town of Hinesburg
10632 VT Route 116
Hinesburg, Vermont 05461

Stone Project No. 20211205
Subject: Hinesburg Landfill ID # CH280, Annual Landfill Inspection

Dear Joy,

As required by the Certification for the Hinesburg Landfill ID #CH280 (the landfill, Figure 1), Stone inspected the landfill on May 30, 2023. The landfill cap was repaired the prior fall 2022 and at the time of May 2023 inspection vegetative growth was still in the beginning of the growing season. Stone reinspected the landfill during October 2023 on October 11, 2023. Solar arrays were installed on the landfill in September 2023 including the installation of three rows of solar arrays with a west to east orientation. The following items were inspected:

1. Landfill cover system
2. Erosion control measures
3. Drainage Systems
4. Groundwater Monitoring Networks

A photographic log is attached.

1. Conclusion and Recommendations

During the landfill inspection, the following observations were made:

- The integrity of the final cover and drainage systems were in good condition with the following exceptions:
 - The landfill cover was sparse during the May 2023 inspection. Following five months of growing season, the landfill cover was adequate during the October 2023 inspection.
- Monitoring wells MW-2S and MW-2D should be replaced. During the October 2023 monitoring event, MW-2S riser separated from the well screen, and MW-2D could not be sampled because it is suspected the well shifted over time and the water level meter became stuck while gauging the well.

Based on the conclusions, Stone recommends the following:

1. Replace monitoring well MW-2S and MW-2D. The well replacement is scheduled for the week of January 22, 2024.

2. Following the growth of vegetation, the landfill shall be mowed in the summer or fall 2024 based on the amount of vegetative growth.

Thank you for the opportunity to provide the town with this landfill inspection report.

Sincerely,



Katrina Mattice

Project Engineer

Direct Phone / 802.229.6434

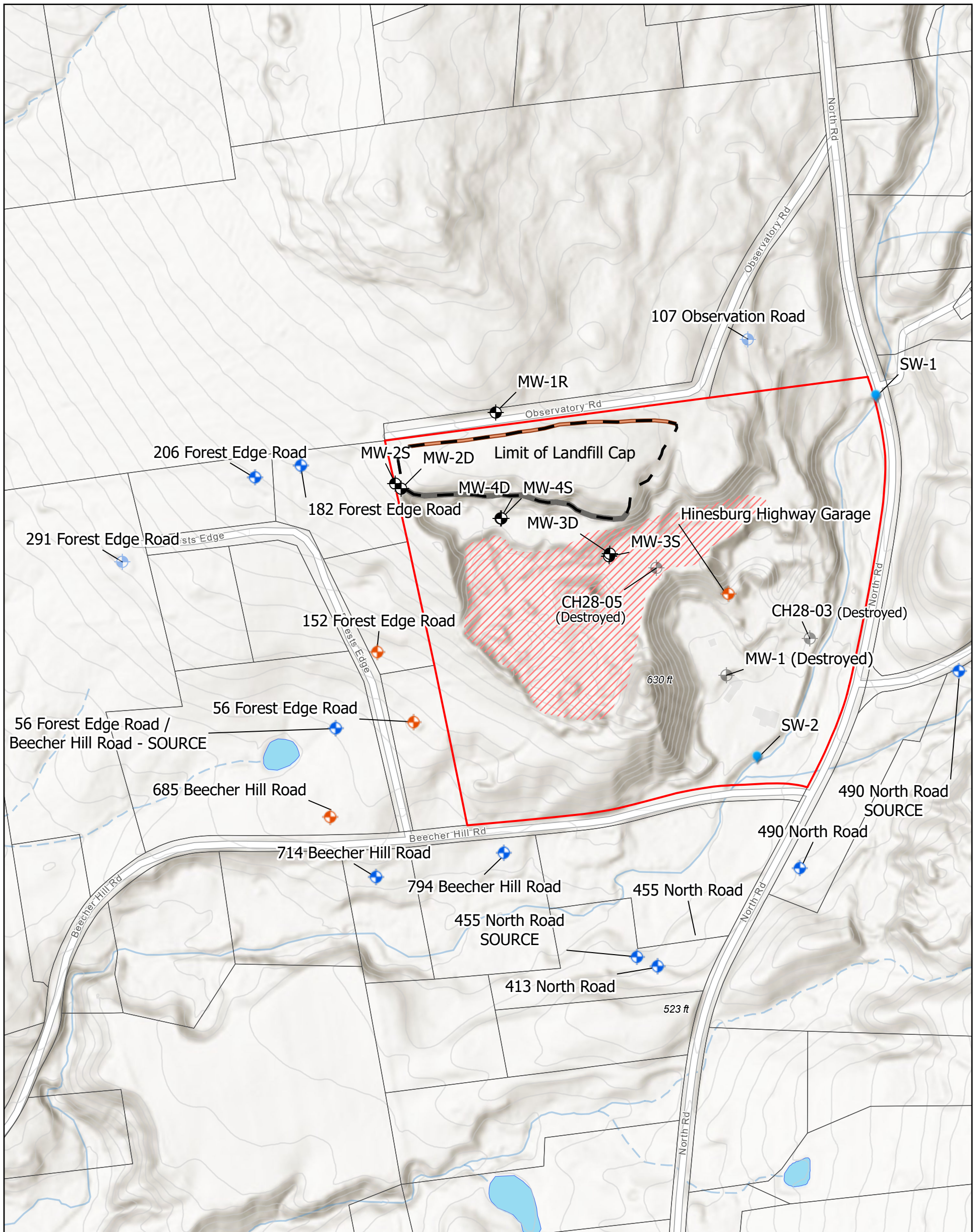
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Attachments: Figure 1, Photographic Log

CC: Dennis Fekert, VT DEC Solid Waste Management Program



LEGEND

- | | |
|-----------------------|------------------------------------------|
| Site Boundary | Post-Closure Monitoring Sample Locations |
| Parcel Boundary | Drinking Water |
| Sand and Gravel Pit | Monitoring Well |
| Limit of Landfill Cap | Surface Water |
| 10-ft Contour | Drinking Water with POET System |
| Drainage Swale | POET System |
| Stone Apron | |

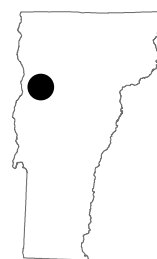
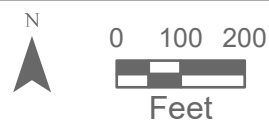


Figure 1: Site Map with Post-Closure Monitoring Locations

Hinesburg Landfill Post-Closure Monitoring Plan

Prepared for Town of Hinesburg

Source: Esri World Imagery, VCGI, Holt Gilmour survey December 29, 2021

Path: O:\PROJ-21\EAR\20211205 Town of Hinesburg Landfill\GIS\20211205 Hinesburg Landfill\20211205_HinesburgLF_3.0.aprx Site Map Exported: 1/9/2024 8:48 AM by Irajnak



Photograph #1: View of landfill looking east along Observatory Road- 5/30/2023.



Photograph #2: View of landfill cover- 5/30/2023.

Hinesburg Closed Municipal Landfill
907 Beecher Hill Road, Hinesburg, Vermont

Source: Site Reconnaissance

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Photograph #3: View of drainage swale and vegetative growth-5/30/2023.



Photograph #4: View of landfill cover following growing season-10/11/23.

Hinesburg Closed Municipal Landfill
907 Beecher Hill Road, Hinesburg, Vermont

Source: Site Reconnaissance

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