

Our Mission



Friends of Northern Lake Champlain is a non-profit organization that acts to clean the waters of northern Lake Champlain and its watershed by working collaboratively with citizens, businesses, farmers and government in order to reduce land-use pollution.

Our focus is on catalyzing the actions and accountability needed to reduce land-use pollution and securing the essential local, state, and federal funding necessary for successful implementation.

Photo Killbuck State Park by Denise Smith





Community Outreach

Engaging the public in
connecting & understanding



Monitoring Water Quality

Bringing consistent data to our
work to inform our projects



Water Quality Projects

Finding & supporting
non-regulatory solutions

How We're Taking on Phosphorus

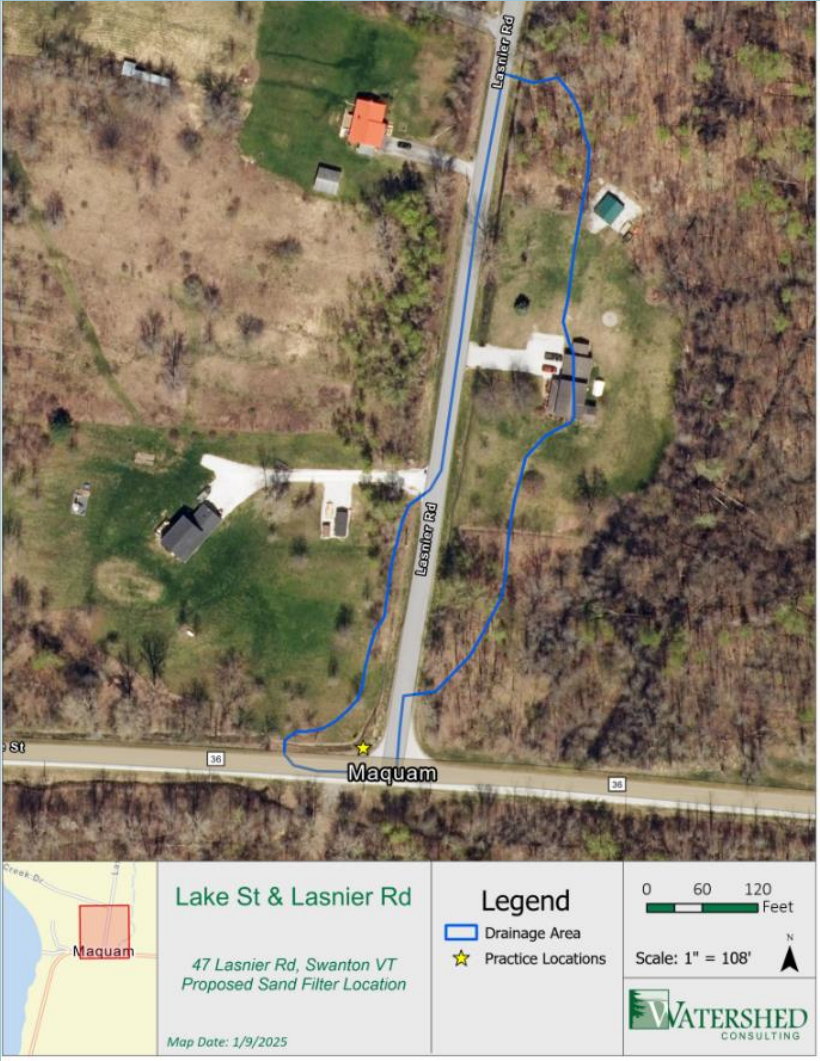
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Swanton Town Beach (STB) Clean Water Project





STB Project Update

Project type: Stormwater

Project components

Maquam Beach: Bioretention area with native planting to the west of the parking area at the public park.

Town ROW: Roadside sand filter at the corner of Maquam Shore Road/Lasnier Road

Project goal: Manage stormwater and convey the benefit of clean water projects to the community



What is an Operations and Maintenance Plan?

Goal:

To ensure the stormwater project functions as intended, according to its original design.

Key Components:

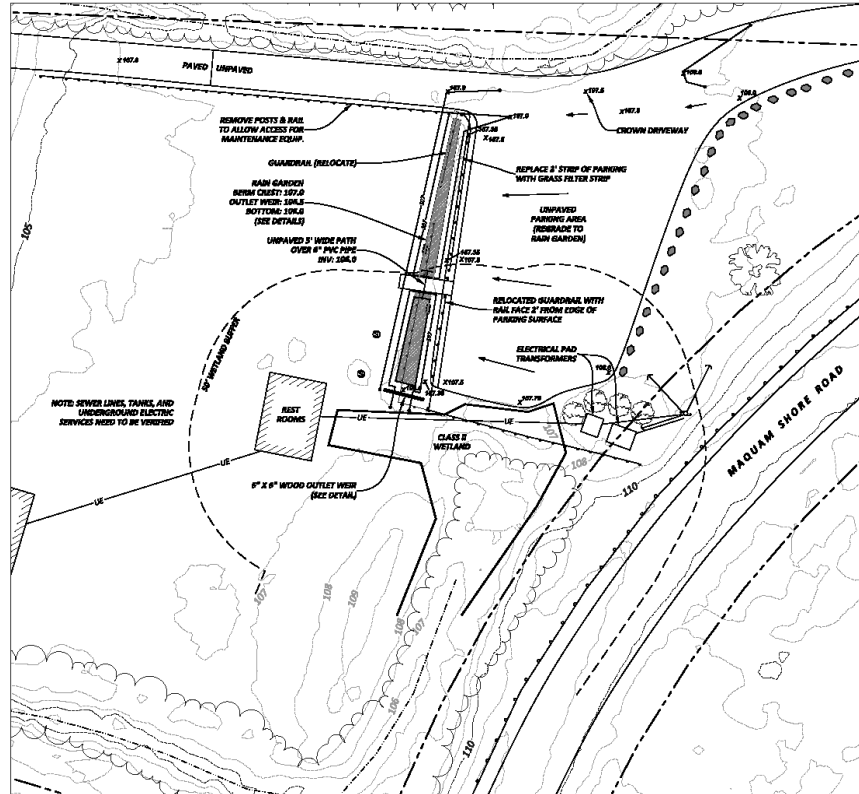
- **Inspection Protocols:** Establishes proper inspection procedures to verify that the project continues to operate as designed.
- **Maintenance Activities:** Details the necessary maintenance tasks required to sustain the project's effectiveness.
- **Schedules & Procedures:** Defines schedules and step-by-step procedures to ensure long-term functionality throughout the project's design life.



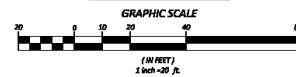
STB Project Next Steps

- Friends of Northern Lake Champlain is monitoring the risk surrounding federal funding
- Sending the project out to bid, designing educational signage, and project construction.
- FNLC to provide the Town & Village of Swanton with updates to implementation



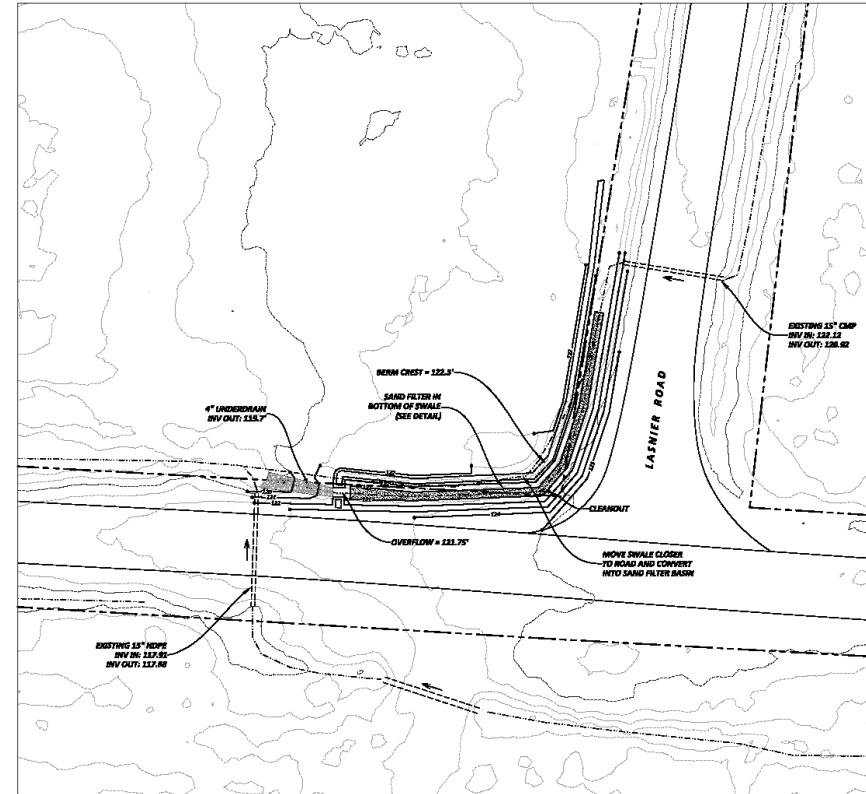


RAIN GARDEN PLAN

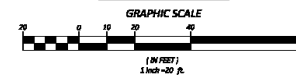


LEGEND

- PROPERTY LINE
- - - EXISTING CONTOUR
- FINISH GRADE CONTOUR
- SURFACE DRAINAGE
- GUARDRAIL
- STEEL RAIL FENCE
- UNDERGROUND ELECTRIC UTILITY POLE
- SEWER MANHOLE



SAND FILTER PLAN



NOTES

1. THIS PLAN IS INTENDED FOR CONCEPTUAL PURPOSES ONLY AND IS NOT FOR CONSTRUCTION.
2. THIS IS NOT A BOUNDARY SURVEY. PROPERTY BOUNDARIES ARE FROM TOWN OF SWANTON TAX MAPS AND ARE APPROXIMATE.
3. EXISTING TOPOGRAPHY IS FROM VT LIDAR DATA AND SUPPLEMENTED WITH GPS SURVEY BY THIS OFFICE IN MAY 2022.
4. THE PRESENCE OF UNDERGROUND UTILITIES MUST BE VERIFIED PRIOR TO ANY CONSTRUCTION OR DISTURBANCE.

DRAFT FINAL

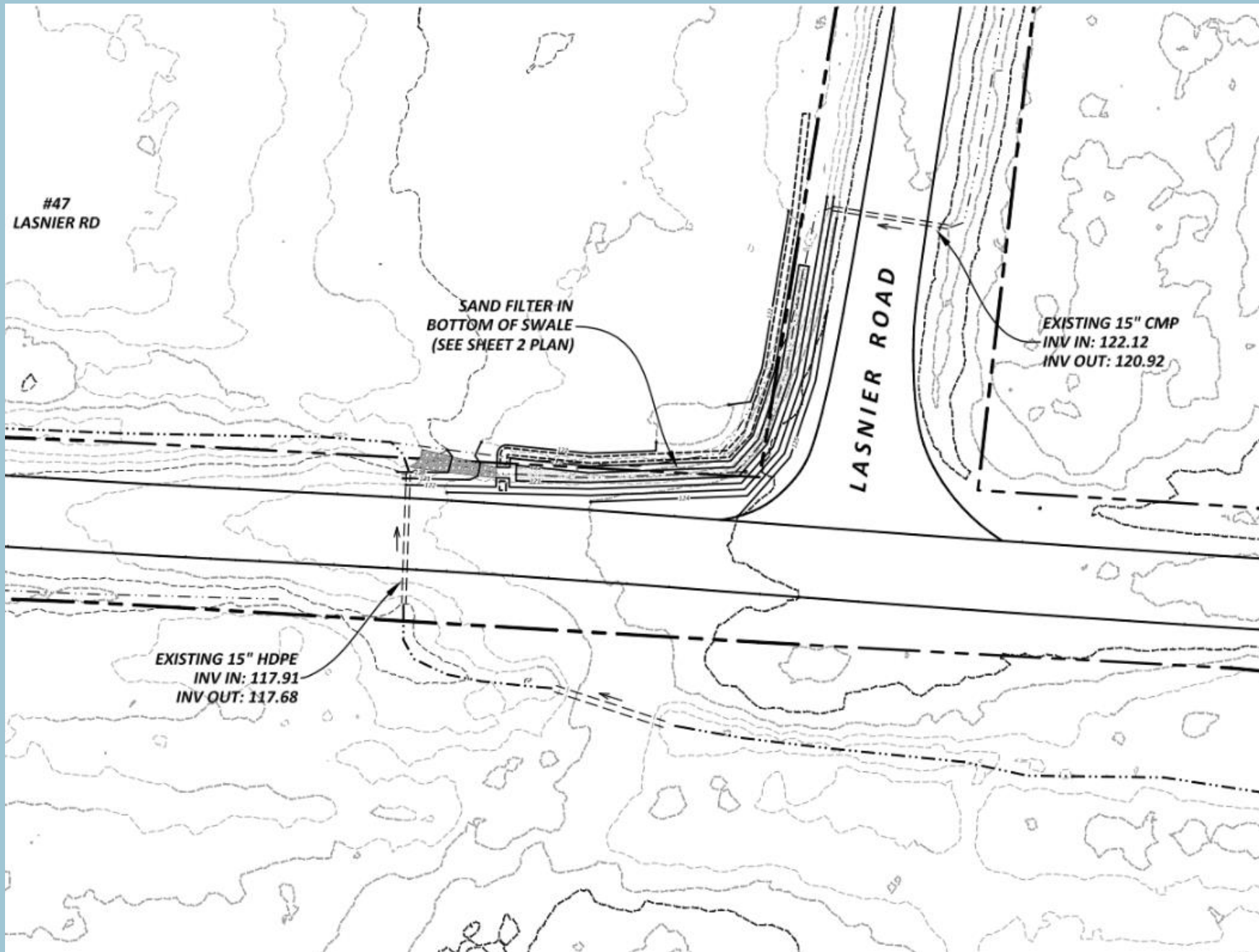
SWANTON BEACH
SWANTON, VERMONT

STORMWATER IMPROVEMENT PLAN



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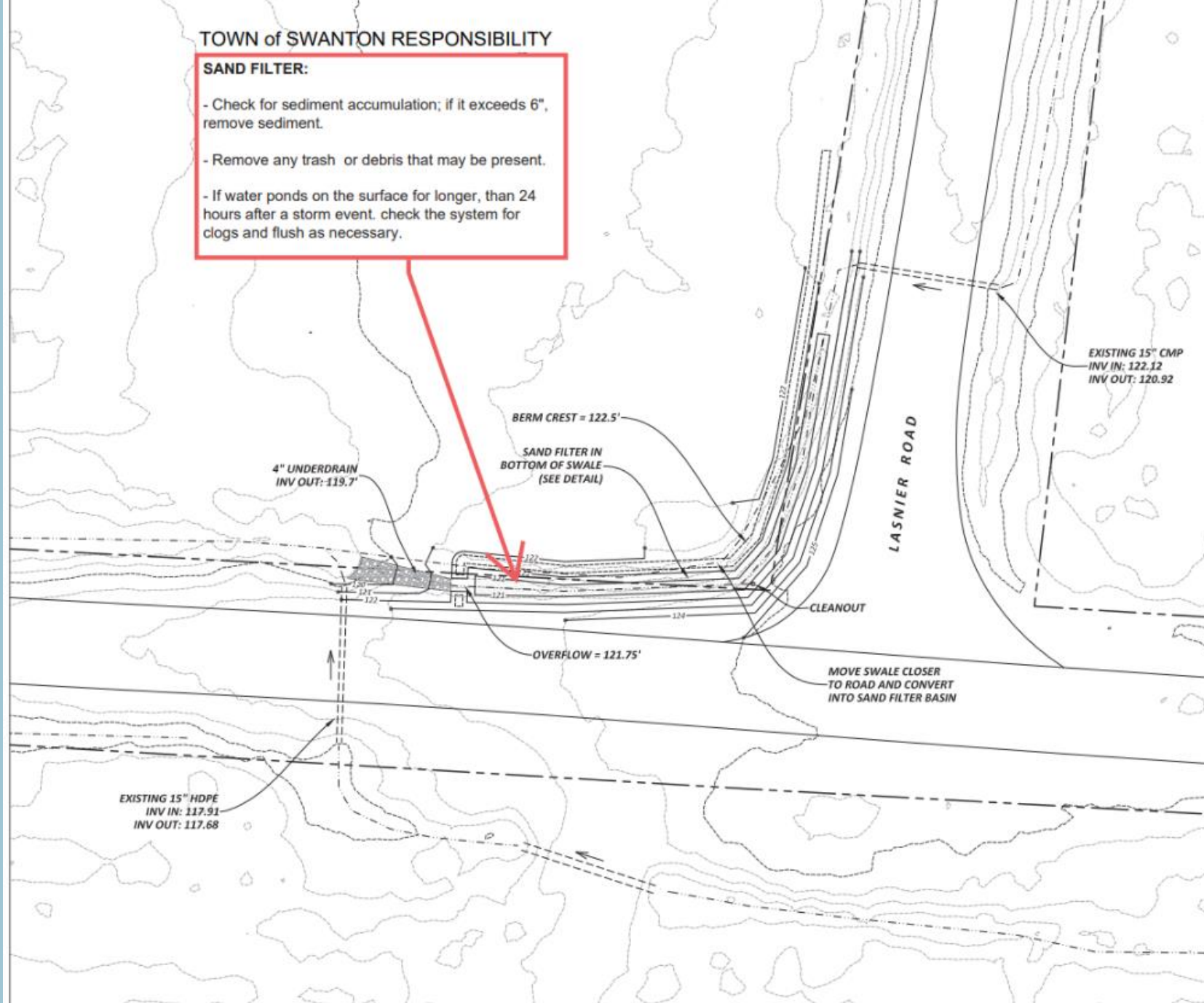
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TOWN of SWANTON RESPONSIBILITY

SAND FILTER:

- Check for sediment accumulation; if it exceeds 6", remove sediment.
- Remove any trash or debris that may be present.
- If water ponds on the surface for longer, than 24 hours after a storm event, check the system for clogs and flush as necessary.



SAND FILTER PLAN