

# Third Party Inspection Form

This report is prepared by a Third Party Inspector to meet the requirements of the Third Party Inspector Condition attached as a Special Condition to the Department Order that was issued for the project identified below. The information in this report/form is not intended to serve as a determination of whether the project is in compliance with the Department permit or other applicable Department laws and rules. Only Department staff may make that determination.

TO: <b>Erle Townsend, Dawn Hallowell</b> PROJECT NAME/ LOCATION: <b>RoxWind LLC</b> DATE OF INSPECTION: <b>04-26-2021</b> WEATHER: <b>Clouds, 31 deg. Windy</b>	FROM: <b>Steve Roberge</b> DEP #: <b>L-27863-ES-A-N, L-27863-NJ-B-N, L-27863-TG-C-N</b> DATE OF REPORT: <b>04-26-2021</b> CONDITIONS: <b>Good</b>
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**SITE CHARACTERISTICS:**

# ACRES OPEN: <b>19 acres</b>	# ACRES ACTIVE: <b>19.08 acres</b>	# ACRES INACTIVE: <b>0 acres</b>
LOCATION OF OPEN LAND: <b>All areas</b>	LOCATION OF ACTIVE LAND: <b>All areas including access road</b>	LOCATION OF INACTIVE LAND: <b>none</b>
OPEN SINCE: <b>08-17-2020</b>	OPEN SINCE: <b>08-21-2020</b>	OPEN SINCE: <b>8-21-2020</b>

**PROGRESS OF WORK:**

INSPECTION OF:	Satisfactory	Minor Deviation (corrective action required)	Unsatisfactory (include photos)
STORMWATER CONTROL (VEGETATIVE & STRUCTURAL BMP'S)	<b>Acceptable</b>		
EROSION & SEDIMENTATION CONTROL (TEMPORARY & PERMANENT BMP'S)	<b>Acceptable</b>		
OTHER: (PERMIT CONDITIONS, ENGINEERING DESIGN, ETC.)	<b>Work in progress</b>	<b>Clean winter sand sediment along the ditches to Horseshoe Valley Rd</b>	<b>attached</b>

COMMENTS/CORRECTIVE ACTIONS TAKEN (attach additional sheets as necessary):

**See attached erosion control narrative for more detailed information....**

Photos (must be labeled with date, photographer and location): **Photos inserted into attached report**

# RoxWind LLC

## Horseshoe Valley Road, Roxbury

**Date:** Monday, 04-26-2021      **Time:** 10:30 AM      **Report:** 34  
**Inspected by:** Steve Roberge, PE      **Company/Agency:** SJR Engineering Inc.  
**Weather Conditions:** 31 degrees, Clouds, Wind  
**Owner Rep:** Palmer Management Corp (Sumul Shah)  
**Construction Site/Project Manager:** Reed-Reed (Kate Doughty, Jake Hall)  
**Engineer:** Sewall (Jody Dube-Oneal)  
**Site Earthwork Contractor:** Sargent Construction (Tim LePage, Pete Broberg, Mark Wright)  
**Clearing Contractor:** Comprehensive Land Technologies (CLT)  
**Onsite Environmental Inspections:** Jared (Sargent)  
**Contact onsite today:** **Owner Rep:** NA, **Reed/Reed:** Kate Doughty, **Sargent:** Aaron, **MD+B:** NA **CMP:** NA  
**Date of Last Inspection:** 04-21-2021  
**Estimated # of days since last rainfall over  $\frac{1}{2}$ "**: 0.5" rainfall 03/28/2021  
**Photographs taken:** 13 photos included in report

**Action item:** The items identified in the last report have been addressed and/or are ongoing during "work in progress". The Contractor should consider the following comments from today's observations:

1. The winter sand within the ditches needs to be cleaned and vacuumed from the installed check dams and plunge pools, particularly near the entrance along Horseshoe Valley Road. Sargent is onsite and addressing the winter sand in ditches issue at the entrance to the project.
2. There are several culverts that have significant sediment/rock in inlets and outlets that need to be cleaned. Sargent is onsite and will address the winter sand/sediment in culverts as they work their way up the hill.
3. I strongly recommend numerous water bars with stabilized outlets be re-installed along the access road up the mountain. Sargent is onsite and will address the reconstruction of water bars with stabilized outlets as they work their way up the hill.

**Construction "Work in Progress" Narrative:** Reed/Reed and Sargent crews have arrived at the site today after the winter shut-down. Sargent is addressing erosion control issues while Reed/Reed preps for upcoming work.

**The following items were inspected:**

- 1. Environmental flagging/signage:** Clearing/grubbing activities have been completed. Flagging of resources is easily visible along the project area. The wetland area right of station 178+50 needs to be refreshed. Areas of encroachment into buffer areas or onsite environmental resources have been noted previously.
- 2. Silt Fencing/ECM Berm:** Perimeter erosion control berm/silt fence has been established along the downslope work areas. No evidence of eroded soil capture has been noted along the berms/silt fence. In areas that have been blasted, the Contractor should reset the silt fence or install ECM berms along the downslope side of construction. If the sideslope area is already covered with ledge such that no soils will erode, ECM berm and/or silt fence is not necessary. Silt fence should be reset in needed locations after a winter shutdown with no maintenance to the fence.
- 3. Stabilized Entrance:** Sargent has relatively clean stone at the stabilized entrance to the project. No significant soils are being tracked onto Horseshoe Valley Road.
- 4. Soil stockpile:** Grubbing stockpiles have been created as the overburden from ledge is moved. The soil stockpiles are hay mulched, but once crews get onsite, the mulch should be supplemented with new mulch.
- 5. Mulching:** A heavy hay mulch has been placed along the grubbed areas of the site that are not being worked and soil stockpiles. Once crews get onsite, the mulch should be supplemented with new mulch. Mulch cover should be enough to cover the ground surface in order for the mulch to work effectively.
- 6. Erosion Control Mix:** The Contractor has completed making ECM material for installation along the downslope perimeter of the project as well as other areas they deem appropriate for erosion control.
- 7. Dust Control:** The existing gravel road did not have dust issues during the site visit.
- 8. Hay Bales:** Hay bales should be available for mulching disturbed soils that will not be in immediate work areas. In general, the bales will be broken down and used as a mulch cover on exposed soils.

**9. Stone/ECM Check Dam:** In several locations, the Contractor has installed stone check dams in the upslope ditching of the new rocked driveway. The sediment collected behind the stone check dams needs to be removed (Sargent work in progress).

**10. Culverts/Riprap:** Sargent has upgraded some of the existing culverts and has installed new culverts going up the mountain. New proposed culverts have been installed along the access driveway. Ditches/pipes need to be cleaned and made functional at the close of each day. Several of the culverts need to be cleaned of sediment and rock at the entrances/exists of the pipe (Sargent work in progress).

**11. Level Spreader:** Many new culverts have a level spreader installed at the discharge end of pipe.

**12. Water Bars:** Water bars need to be re-installed (Sargent work in progress) at appropriate intervals of the new rocked road based on the steepness of the slope. This will help to control washouts of the road during significant rain events. The water bar discharge area should be excavated and a ECM/stone berm established to capture sediment and filter turbid water.

**13. Catch Basins/Stormdrain system:** NA at this time.

**14. Ditches/Swales:** New ditches have been created during the construction of the new rocked driveway leading up the hill. Much of the previous ditch erosion has been eliminated. Winter sands have infiltrated the rocked ditches and will be a source for turbid water during the Spring rains. The ditches will need to be cleaned up (Sargent work in progress).

**15. Retention/Sediment/Filter Ponds:** NA at this time.

**16. Cut/Fill Slope Protection:** Silt fence/ECM berms are installed along the downslope perimeter of disturbed soil areas. Slopes have been evaluated to see if riprapping the areas will resolve the slope slides. In general, the steep slopes are riprap on fabric.

**18. Vegetative Cover:** NA at this time.

**19. Stream/Wetland/Bridge Crossings:** NA at this time.

**20. Spill Prevention:** The project has an identified spill prevention control plan. The Contractor has spill containment materials within construction vehicles, equipment, and "on the ground".

**21. Winter Construction:** Winter construction guidelines (November 1 - April 15) are not active at this time.

**22. Utilities:** The Contractor has notified DIGSAFE of construction of the project.

**23. Areas currently under construction/disturbance:** The entire project area is under construction but in winter shutdown mode. All cleared areas have been cut/cleared/stacked. Erosion control silt fence and ECM berms have been installed. Towers T1 thru T4 are stumped and grubbed including the access road. T1/T2/T3/T4 padsites and all of the access road have been drilled and blasted. Rock was utilized to construct the access road and new driveway. Rock crushing operations are completed. This material was being used for surface gravel along the driveway access. Erosion control material has been made onsite. All areas appear to be stable at this time.

**24. Estimate total area under construction/disturbance:** Approximately 19 acres are under active construction at this time.

## Progress photos taken by SJR 04-26-2021



Photo #1: Horseshoe Valley Road is clear of soil debris from the project. The stabilized construction entrance still has some life left to the crushed rock entrance.



Photo #2: Water discharging from the Horseshoe Valley culvert near the entrance is crystal clear but there is significant sediment within the plunge pool and culvert. Sargent is onsite and is working to clear the winter sands from the upslope ditch and will clear (or reconstruct) this location last.

## Progress photos taken by SJR 04-26-2021



Photo #3: Water within the ditch is clear. Sargent is to clean the ditches of sediment (winter sand accumulation) from the top of knoll to Horseshoe Valley road as a first work priority.



Photo #4: All of the culverts along the access road up to the top of the mountain are discharging clear water. Sargent is onsite and will check and clear sediment/debris at the inlets and outlets of each pipe as they work themselves up the mountain.

## Progress photos taken by SJR 04-26-2021



Photo #5: In general, all culverts are discharging clear water.

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Email PDF Copy to: Erle Townsend, Dawn Hallowell, Sumul Shah, Lindsay Deane-Mayer, Gordon Deane, Jodi Dube-Oneal, Kate Doughty, Jake Hall, Tim LePage, Travis Fernald, Mark Wright, Peter Broberg, Justin Fike, Nick Laskovski, Faye Wexler