

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: Erle Townsend, Dawn Hallowell PROJECT NAME/ LOCATION: RoxWind LLC DATE OF INSPECTION: 10-18-2021 WEATHER: Clouds, 45 deg.	FROM: Steve Roberge DEP #: L-27863-ES-A-N, L-27863-NJ-B-N, L-27863-TG-C-N DATE OF REPORT: 10-18-2021 CONDITIONS: Good
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SITE CHARACTERISTICS:

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

PROGRESS OF WORK:

INSPECTION OF:	Satisfactory	Minor Deviation (corrective action required)	Unsatisfactory (include photos)
STORMWATER CONTROL (VEGETATIVE & STRUCTURAL BMP'S)	Acceptable		
EROSION & SEDIMENTATION CONTROL (TEMPORARY & PERMANENT BMP'S)	Acceptable		
OTHER: (PERMIT CONDITIONS, ENGINEERING DESIGN, ETC.)	Acceptable		

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, 10-18-2021

Time: 8:00 AM

Report: 58

Inspected by: Steve Roberge, PE

Company/Agency: SJR Engineering Inc.

Weather Conditions: 45 degrees, Clouds

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: Stephan (Reed/Reed)

Contact onsite today: **Owner Rep:** NA, **Reed/Reed:** Kate Doughty (phone), Jim Semones **Sargent:** NA, **MD+B:** NA, **CMP:** NA

Date of Last Inspection: 10-11-2021

Estimated # of days since last rainfall over $\frac{1}{2}$ ": 0.65" rainfall 10/17/2021

Photographs taken: 11 photos included in report

Action item: The items identified in the last report have been addressed. This is a combined report including the Tower access road and the transmission line corridor. The Contractor should consider the following comments from today's observations:

1. Bottom quarter of corridor experiencing slow vegetative growth. Perhaps consider a second seeding/mulching over bare areas?
2. Now that all the tower parts have been delivered, water bars should be re-installed along the access road (work in progress).

Construction "Work in Progress" Narrative: Towers 1, 2, 3, and 4 are completely erected. Testing/commissioning at each tower location is ongoing. Reed/Reed has demobilized the cranes. Sargent is performing access road restoration in the towers 3 and 4 areas this week. All streams within the parcel are flowing with clear water (where flowing).

Underwood Electric has completed restoration of the corridor work. The top $\frac{3}{4}$ of the corridor has significant grass becoming established. The lower quarter is struggling to get vegetation established, but more time is needed. The Contractor should consider a second application of seed/mulch on bare areas.

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. 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.
- 3. Stabilized Entrance:** All large parts have been delivered. The stabilized entrance has been created again. Horseshoe Valley Road remains clear of soil debris.
- 4. Soil stockpile:** Grubbing stockpiles have been created as the overburden from ledge is moved. The soil stockpiles are hay mulched.
- 5. Mulching:** A heavy hay mulch has been placed along the grubbed areas of the site that are not being worked. Mulch cover should be enough to cover the ground surface in order for the mulch to work effectively. Light mulching has been completed on the corridor. The wetland areas have been mulched with hay (rather than straw).
- 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 access road has been watered (rain) to control dust.
- 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. Check dams in the Tower access road have been cleaned of sediment.

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.

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

12. Water Bars: Water bars have been removed due to the tower access road re-grading and transportation of tower sections up the mountain. Now that the tower sections and blades have been transported up the mountain, new water bars can be reconstructed. They should be installed at appropriate intervals of the new rocked road based on the steepness of the slope. This will help to control the rills and 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.

Water bars/stabilized outlets along the restored transmission corridor have been created and seem to be working.

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. Both sides of the driveway ditch to the SCADA building needs to be cleaned of debris (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 ripraping the areas will resolve the slope slides. In general, the steep slopes are riprap on fabric.

Along the restored transmission corridor, disturbed areas have been seeded and covered with mulch. Vegetation is becoming established on the upper $\frac{3}{4}$'s of the corridor.

18. Vegetative Cover: Most of the disturbed area along the corridor have been seeded and covered with hay mulch.

19. Stream/Wetland/Bridge Crossings: Appropriate erosion controls have been installed.

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". The oil spill at the base of the corridor laydown area has been excavated.

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 with testing of the components being performed now. 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. T1/T2/T3/T4 tower construction has been completed. 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 10-18-2021



Photo #1: The Contractor has removed crushed stone from the Horseshoe Valley Road intersection with the project driveway.



Photo #2: Sediment within the rock-plunge pool area across from the driveway entrance has been removed.

Progress photos taken by SJR 10-18-2021



Photo #3: Sediment has been removed from the stone check dams along the first hill of the tower access road.



Photo #4: Stream beds do not seem to be passing significant sediment. The plunge pool outlet has been cleared of sandy debris.

Progress photos taken by SJR 10-18-2021



Photo #5: The upper portion of the transmission corridor access road coming into the RoxWind Towers portion of the project has been restored. Water bars have captured and diverted upland areas into stabilized areas. A significant catch of vegetation is becoming established. Some erosion is beginning to occur that should be redirected at the rock barrier along the road.



Photo #6: Final gravel is being stockpiled for use in constructing Tower 1 base padsite.

Progress photos taken by SJR 10-18-2021



Photo #7: No activities are ongoing at Tower 2 location.



Photo #8: Ongoing testing operations at Tower 2 location. The Contractor is constructing the tower base padsite area.

Progress photos taken by SJR 10-18-2021



Photo #9: The Contractor is creating new riprap ditches and restoring the access road between Towers 3 and 4.



Photo #10: The bottom $\frac{1}{4}$ of the corridor has some vegetative growth. More growth is needed in bare areas.

Progress photos taken by SJR 10-18-2021



Photo #11: The laydown area at the bottom of the corridor needs additional seed/mulch for a better vegetative catch. The mats have been removed from the SCADA building driveway, however, the drainage ditch needs debris removed from both sides of the driveway ditching. Contractor is performing final touches to SCADA building area and driveway.

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