

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: 11-01-2021 WEATHER: Sun, 50 deg.	FROM: Steve Roberge DEP #: L-27863-ES-A-N, L-27863-NJ-B-N, L-27863-TG-C-N DATE OF REPORT: 11-01-2021 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, 11-01-2021 **Time:** 8:00 AM **Report:** 60
Inspected by: Steve Roberge, PE **Company/Agency:** SJR Engineering Inc.
Weather Conditions: 50 degrees, Sun
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:** NA, **Sargent:** Aaron, Tim (phone), **MD+B:** NA, **CMP:** NA
Date of Last Inspection: 10-25-2021
Estimated # of days since last rainfall over ½": 1.15" rainfall 10/31/2021
Photographs taken: 12 photos included in report

Action item: The significant items identified in the last report have been addressed. This is a combined report including the Tower access road and the transmission line corridor. A significant 1.15" rain event occurred yesterday. No issues noted. The Contractor should consider the following comments from today's observations:

1. The Contractor is hauling material from a pit on Horseshoe Valley Road and tracking some soil material in the process. This material needs to be cleaned at least daily as roads will become slippery soon.
2. Hay mulching at this time of year needs to be double normal applications. The disturbed ground surface needs to be covered such that it is not visible (ie covered with hay mulch).
3. Now that road restoration activities have commenced, water bars should be installed along the narrowed access road to divert road water into filter media ditches.
4. Bottom quarter of corridor experiencing slow vegetative growth. Perhaps consider a second seeding/mulching over bare areas?

Construction "Work in Progress" Narrative: Towers 1, 2, 3, and 4 are completely erected. Testing/commissioning is ongoing. Reed/Reed has demobilized the cranes. Sargent is performing main access road restoration this week. Hydroseeding operations have been partially completed along the top of mountain. All streams within the parcel are flowing with clear water.

Underwood Electric has completed restoration of the corridor work. The top $\frac{3}{4}$ of the corridor has significant grass established. The lower quarter is struggling to get vegetation established, but more time is needed (no changes). The Contractor should consider a second application of seed/winter 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 has some light sand tracking onto road, but generally remains clear of soil debris. The soil debris needs to be cleaned, particularly this time of year, as the debris may become slippery during the colder weather.

4. Soil stockpile: Grubbing stockpiles have been created as the overburden from ledge is moved. The soil stockpiles are being utilized during the restoration efforts along the tower access road and main access road.

5. Mulching: A heavy hay mulch needs to be placed at this time of year (Winter construction techniques). Mulch cover should be enough to completely cover the ground surface such that the ground surface is not visible. 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 and the road is being restored, new water bars can be reconstructed to divert road water into the filter media ditches. They should be installed at appropriate intervals of the narrowed 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 have been cleaned of debris.

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 has become established on the upper $\frac{3}{4}$'s of the corridor.

18. Vegetative Cover: Most of the disturbed area along the corridor has 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 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. T4/T3/T2 have been loamed and partially hydroseeded last week. 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 11-01-2021



Photo #1: The Contractor has removed crushed stone from the Horseshoe Valley Road intersection with the project driveway. A slight covering of sand material is being tracked onto the paved surface that should be removed daily at this time of year.



Photo #2: Sediment within the rocky plunge pool area across from the driveway entrance has been removed. No new sediment buildup noted.

Progress photos taken by SJR 11-01-2021



Photo #3: Stream beds do not seem to be passing significant sediment. The plunge pool outlet has been cleared of sandy debris.



Photo #4: 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.

Progress photos taken by SJR 11-01-2021



Photo #5: The Contractor continues restoring the narrower access road and has constructed the filter media ditch along the left side of access road. They have constructed to the 180 degree road curve near tower 1 to tower 4. No erosion or ponding of water was noted in the filter media ditch.



Photo #6: The loam/seed/mulch material has been applied to the restored access road between Towers 2/3. No erosion issues have been noted.

Progress photos taken by SJR 11-01-2021



Photo #7: The access road has been made narrower (12' wide) and the remaining area loamed and tracked in near tower 3. The Tower 3 area is partially hydroseeded.



Photo #8: The access road has been made narrower (12' wide) and the remaining area loamed and tracked in near tower 4. The Tower 4 area is partially hydroseeded.

Progress photos taken by SJR 11-01-2021



Photo #9: The Contractor has restored and loamed Tower 2 area and has created a filter media ditch along the downslope side of access road. The site is partially hydroseeded and mulched. No erosion has been noted.



Photo #10: The lower end of the transmission corridor has some vegetative growth. More growth is needed in bare areas. A heavy application of hay mulch is needed in bare soil areas.

Progress photos taken by SJR 11-01-2021



Photo #11: The culvert plunge pool along the SCADA building driveway has clear water within the pool.



Photo #12: The laydown area at the bottom of the corridor needs additional seed/mulch for a better vegetative catch.

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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, Ethan Smith, Jim Semones