

## **WITNESS STATEMENT OF HERMAN WIMMELBACHER**

1. I am a licensed land surveyor with the firm of Coe Fisher Cameron, 257 Kent Street West, Lindsay, Ontario. My professional designations are Ontario Land Survey (OLS), Canada Lands Surveyor (CLS) and Ontario Land Information Professional (OLIP).
2. Coe Fisher Cameron was retained by Cransley Home Farm Limited on April 28, 2014 to undertake a topographical land survey of the site for Turbine 5 (the "Turbine 5 Site") for the Sumac Ridge Wind Project (the "Project"). I was the partner in charge of the survey.
3. The Turbine 5 Site is on property owned by Charles Ralph McKim and Jean Jacqueline Garsonnin. The legal description of the property is the South Half of Lot 15, Concession 6, Geographic Township of Manvers, City of Kawartha Lakes.
4. I met with Susan Binnie and Alison DeNure in my office on two occasions: once before the survey (field) date, on April 28, 2014, and once after, on June 13, 2014.
5. During our first meeting, I was supplied with numerous plans and maps relevant to the Project including wpd site plans for the Turbine 5 Site, and the coordinates of Turbine 5, maps showing two streambeds to the north and south of the turbine location, the location of significant woodlands, and the construction requirements as set out in wpd's site plans and construction and design reports.
6. Supporting documents for this statement include some of the maps provided to me: a Project Location Map; a Slope Analysis Map for the project and a close-up for the T5 site, a close-up Map of the T5 site, and a map of "significant woodlands."
7. Our initial expectation was for us to carry out the survey in late April or early May, 2014. As a result of repeated delays, the survey was not carried out until May 30, 2014.

### **SURVEY AND RESULTS**

8. On May 30, at 8:45 a.m., I attended the site with a three-person survey crew. I noted the location of the wood stake and the blue marker for the location of the Turbine 5 centre, and the many numbered marker flags, representing the "top of valley slope", "top of creek bank", and "bottom of valley slope".
9. Our survey crew was present on site from 8:30 a.m. until 5:30 p.m. on May 30, 2014. They located survey markers (iron bars) marking Wild Turkey Road and the north property line, being the north limit of the South Half of Lot 15. The survey markers were found in the line of old fences.
10. Having identified the stake and the marker representing the Turbine 5 centre and the many numbered marker flags, we used the information on the size and location of the

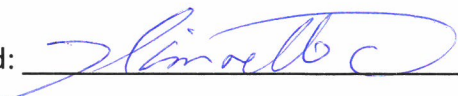
laydown area and the crane pad area, as set out in documents prepared by or on behalf of wpd, to determine the area where we were required to measure elevations.

11. We also located the edge of gravel along the east side of Wild Turkey Road, and a Butternut Sapling, also on the east side of the travelled road.
12. The draft results of the day's survey were produced in plan form. The draft was explained to Ms. Binnie and Ms. DeNure on June 13, 2014.
13. Two requests were subsequently made by the clients for additions to the plan. They were as follows:
  - (i) the addition of 30m off-sets from the "top of creek bank" lines (being synonymous with the "average annual high water mark" line) – and;
  - (ii) the addition of a circle to mark the tip of the turbine blades for Turbine 5. The centre of the circle was to be the turbine location. The radius of the circle was to equal half the diameter of the turbine hub and blades. As the total diameter was 92.5m, the radius of the circle was to be 46.25m.
14. These additions were made as requested and the final and complete survey was sent to the clients on July 23, 2014.
15. According to the proponent's maps and plans, the laydown area for the project will be a rectangle measuring 100m by 50m. It is shown on the proponent's maps and plans with one 50m edge lying along the east limit of Wild Turkey Road. The 100m edges are perpendicular to this line forming a rectangle to the east. For ease of reference, the 50m side along Wild Turkey Road will be referred to as the "western" edge and the other edges as the "northern," "eastern" and "southern" edges.
16. The survey measurements conducted by Coe Fisher Cameron showed that the "western" edge of the rectangle, along the Wild Turkey Road line, was on fairly level ground.
17. The survey located the four corners of the proponent's laydown area. It identified differences in elevation between two corner points (the "north-west" and "south-west" corners) and two corner points at the eastern edge (the "north-east" and "south-east" corners).
18. The differences in elevation were greater than 9 metres (30 feet) for the northern edge of the laydown area and greater than 6 metres (20 feet) for the southern edge. These figures represent a marked drop in elevation along the 100m edges of the laydown area from west to east.
19. The decrease from Wild Turkey Road as fenced to the piezometer accounted for approximately 2 metres (6.5 feet) of the decline in elevation.

20. It is evident from the elevation readings that the drop-off in elevation becomes more pronounced east of the turbine location.
21. The survey established the setback distance of the dripline of woodlands lying to the south east of the turbine marker. The dripline is marked on the survey as an uneven line labelled "edge of dripline." The line overlaps the south side of the laydown area. The minimum distance from the turbine location to the dripline is 30.65m.

#### SUBSEQUENT DEVELOPMENTS

22. We researched the question of Wild Turkey Road as a "forced road" and found evidence from the Ministry of Natural Resources and Forestry that Wild Turkey Road may be a road established in 1839, by Court of Quarter Sessions.
23. We continue to research this question and are not able to add more information at present.
24. This information may be significant for two reasons. Firstly, it would indicate that Wild Turkey Road is a public road, owned by the municipality, the City of Kawartha Lakes, and that Wild Turkey Road is 66 feet (20.12 m) wide.
25. The method for establishing the exact location of Wild Turkey Road would be to carry out surveys of properties adjacent to each side of Wild Turkey Road to determine precisely where the road lies.
26. The Coe Fisher Cameron finding does not affect the accuracy of the elevation data obtained by the survey team at the Turbine 5 site on May 30, 2014.
27. It could affect any surveys of Wild Turkey Road and this in turn potentially affects the location of the laydown area and the crane pad and other areas of the Turbine 5 site as proposed by wpd (Canada). In effect, if the location of Wild Turkey Road is uncertain, any construction plans based on the location of Wild Turkey Road, may require revision.

Signed: 

Dated: November 10, 2014

