

# Appendix 13.1

## 1 SITE DESCRIPTION (PHOTOGRAPHIC RECORD)

A description of the turbine locations and associated infrastructure is presented here according to their location. Field survey of the proposed turbines, hardstands and access tracks was carried out over a number of days in June 2017 and October 2014.

### 1.1 Turbines 1-19, substation, borrow pits, compound and associated infrastructure



Plate 1-1: : Existing Access track which provides access to the site (proposed access also)

#### 1.1.1 Turbine 18

This proposed turbine is located in the north-eastern section of the site and to the north of the Bunadaowen River and within a mature coniferous forest. No archaeological features were noted.



**Plate 1-2: Proposed location of T18 looking south from existing track.**

### **1.1.2 Access road between T15 and T18**

The proposed compound is located in the north-eastern section of the within mature coniferous forestry. No archaeological features were noted.



**Plate 1-3: Proposed access road from north-west towards between T18 and T15 looking south-east.**



### 1.1.3 Substation

The proposed substation is located within an area of mature and semi-mature forestry. The northern section of the site is transected by an existing narrow forest track. No archaeological features or were noted.



**Plate 1-4: Proposed substation site looking south.**



**Plate 1-5: Narrow forest track to north of sub Station site looking east**

#### **1.1.4 Construction Compound (north-west)**

This compound is located to the north of the substation site . It is located in young forestry. No archaeological structures or features were apparent in this area.



**Plate 1-6: T5 base looking south-east into associated hardstand.**

### **1.1.5 Met Mast**

The proposed meteorological mast is located within forestry and was accessed from an existing forest track to the south (due for upgrade). No potential archaeological features or structures were apparent in the area of the met mast.



**Plate 1-7: Proposed met mast looking north**



### **1.1.6 Turbine 10**

Turbine 10 is located within forestry to the north of an existing track. The proposed track is also located within forestry. No potential archaeological features or structures were apparent in this area on the day of field survey.



**Plate 1-8: Hardstand associated with T10 looking north-west.**



**Plate 1-9: T10 looking east.**

### 1.1.7 Turbine 14

This turbine is also located within mature forestry. The proposed access road is located along a firebreak which was also used to gain access to the turbine base.



**Plate 1-10: Existing firebreak and proposed access road to Turbine 14.**



**Plate 1-11; Location of proposed turbine base 14.**

### 1.1.8 Borrow pit (between T15 and T12)

This borrow pit location is located in mature forestry which was largely inaccessible. Access to the borrow pit is from an existing forest track which bounds the proposed location to the north. No potential archaeological features or structures were visible at the time of survey.





**Plate 1-12: Borrow Pit looking east showing existing forest road.**

### **1.1.9 Turbine 15**

Turbine 15 is located adjacent and north of the existing forest track and within forestry. No potential archaeological features or structures were apparent in this area on the day of survey.



**Plate 1-13: Turbine 15 location looking north.**



### 1.1.10 Turbine 17

This is located in the north-eastern section of the wind farm site within mature forestry. It is access from an existing grassy track which will be upgraded. No archaeological features were noted.



**Plate 1-14: Proposed access track to T17 looking south-east.**



**Plate 1-15: Proposed area of hardstand associated with T17 looking east.**

### 1.1.11 Turbine 19

Turbine 19 is located in open bog to the east of a mature forest plantation. Access was gained from the south along the bog and the proposed access is from within the forestry to the west.



A number of stone mounds (thought to be clearance cairns) were noted in this area and are visible on aerial photography.



**Plate 1-16: Proposed access road from forestry to open bog looking west.**



**Plate 1-17: General view of T19 looking north.**

### **1.1.12 Turbine 16**

Turbine 16 is also located in open grassed over peat to the south of Turbine 19. A proposed road will extend from the forestry to the west. Some natural rock outcrops were noted in the



area of the bog in this location. No archaeological structures or features were apparent within the turbine base, hardstand proposed road on the day of survey.



**Plate 1-18: Proposed turbine base (T16) looking east.**



**Plate 1-19: Proposed access track to T16 (into forestry), looking north-north-east.**



**Plate 1-20: Proposed access road to south-west of T16 where it extends into forestry from existing forest track.**

### **1.1.13 Borrow Pit (between T13 and T16)**

This borrow pit is located between Turbine 13 and Turbine 16 in coniferous forestry to the south of an existing forest track. No potential archaeological features or structures were apparent in this area on the day of survey. The borrow pit area measures approximately 82m N/S by 114m E/W.



**Plate 1-21: General view of borrow pit looking south.**





**Plate 1-22: same as above.**

#### **1.1.14 Turbine 13**

Turbine 13 is located to the immediate west of the aforementioned borrow pit. It is located within dense coniferous forestry. The proposed access track extends through forestry from an existing forest track/firebreak.



**Plate 1-23: Proposed area of Turbine 13 looking south-west.**



### 1.1.15 Turbine 9

Turbine 9 is located 560m to the south of the aforementioned borrow pit within forestry. An existing firebreak/ forest track provides access to the turbine base and hardstand and will also form the proposed access road. No potential archaeological features or deposits were apparent in this area at the time of survey.



**Plate 1-24: Access track to T9, looking east-south-east.**



**Plate 1-25: Hardstand for T9 looking west**





**Plate 1-26: Centre of hardstand for T9 looking west**



**Plate 1-27: Area of proposed turbine base (T9) looking north-west**

### **1.1.16 Turbine 12**

This turbine is located just within a track of mature conifers to the west of which is a newly planted section of forestry through which the proposed access road traverses. Both the proposed access road and turbine were accessed from an existing forestry road to the south. No archaeological features were noted within the area surveyed.



**Plate 1-28: Proposed access track through young forestry and general vicinity of T12 within mature forest to right of photo looking north.**

### **1.1.17 Turbine 11**

Turbine 11 is located within forestry to the east of T12. The access road extends through forestry from an existing forest road. No features of archaeological or cultural heritage merit were noted in the survey area.





**Plate 1-29: Proposed access road to T11 looking east.**



**Plate 1-30: Access road to T11 adjacent to hardstand.**



**Plate 1-31: Proposed turbine base at junction between mature and young forestry looking north**

### **1.1.18 Turbine 7**

This turbine is situated to the south of Turbine 11 and is located within forestry to the east of an open section of bogland. The proposed access road extends through mature forestry and along a firebreak. No potential archaeological features were apparent in this area at the time of survey.



**Plate 1-32: Route of proposed access track to T7, looking north.**





**Plate 1-33: Continuation of proposed access to T7 through clear felled land.**



**Plate 1-34: T7 proposed hardstand looking east.**

### 1.1.19 Turbine 8

This proposed turbine is located just within a newly planted section of forestry bounded by mature conifers to the north of the turbine base. It was accessed from an E/W orientated firebreak along which a proposed access road will be constructed. No features were noted within the areas accessed.



**Plate 1-35: Proposed access road to T8 looking west.**



**Plate 1-36: Continuation west of proposed access road to T8, looking west**





**Plate 1-37: Vicinity of T7 turbine base and hardstand looking north-west.**

### **1.1.20 Turbine 6**

This proposed turbine was access from an existing forest road to the west. Access to the turbine base and hardstand was through mature conifers. The turbine base is located within a partial open area of bog and on the boundary of a mature coniferous plantation. No features of cultural heritage merit were noted within the area surveyed.



**Plate 1-38: Proposed access road to T6 looking east**





**Plate 1-39: Proposed turbine base (T6) looking west-north-west**

#### **1.1.21 Borrow Pit (between T6 and T5)**

This borrow pit is located within a mature forest plantation to the south of an existing forest road. It measures approximately 114m by 82m. No features were noted on the day of survey.



**Plate 1-40: Borrow pit looking south.**



### 1.1.22 Turbine 5

T5 is situated immediately to the south-west of the aforementioned borrow pit and within mature forestry. No archaeological features or structures were apparent in the area of the turbine base, hardstand or access track.



**Plate 1-41: Area of proposed hardstand associated with T5 looking north.**



**Plate 1-42: Area of proposed turbine base looking north-west.**

### 1.1.23 Turbine 3

This is located to the south-west of T5 within an area now clear-felled. No features were noted in the area surveyed.



**Plate 1-43: Proposed hardstand for T3 and vicinity of turbine base looking south west.**

### 1.1.24 Turbine 4

This turbine is located in forestry and was accessed via a forest break / grassy track which leads to the proposed hardstand and turbine base. The existing forest track will be utilized as the proposed access track also.





**Plate 1-44: Route of proposed road to T4 from west looking East.**



**Plate 1-45: Continuation of proposed access track to T4 looking south-west along firebreak.**



**Plate 1-46: General view of proposed hardstand and turbine base looking east.**

### **1.1.25 Turbine 2**

Turbine 2 is located in forestry to the south-west of T4. Access to the turbine is through mature dense forestry. No potential archaeological features or structures were apparent at the time of survey.



**Plate 1-47: Proposed access track to T4 looking north-west through mature forest.**





**Plate 1-48: Proposed turbine base at T2.**

### **1.1.26 Turbine 1**

T1 is located within forestry to the west of T2 turbine. Access to this turbine base was gained from a firebreak to the east and west of the proposed hardstand. No potential archaeological features or structures were apparent however.



**Plate 1-49: Area of proposed hardstand which incorporates both the firebreak and mature conifers.**



**Plate 1-50: Proposed turbine base looking south-west. .**

## **1.2 Proposed Grid Connection Route**

The proposed grid connection route extends from the proposed substation within the proposed wind farm site (described above) and extends along an existing private track connecting the substation site to the N15 to the north. The grid route extends passed a quarry site just south of the N15 National route.





**Plate 1-51: Proposed grid connection route to north of substation site looking north.**



**Plate 1-52: Continuation of grid connection route looking north towards quarry**



**Plate 1-53: Section of proposed underground cable route where it extends in a south-westerly direction through bog (to south of N15 and NW of wind farm) (ITM E604495, N887633), looking south-west.**



**Plate 1-54: Section of proposed underground cable route where it extends through bog (to south of N15 and NW of wind farm), looking north-east (taken at ITM E604300, N887440).**





**Plate 1-55: Culverted stream at ITM E604244, N 887465 south of the N15**





**Plate 1-56: Section of proposed underground cable route in the vicinity of culvert where it exits bog, south of N15, looking south**



**Plate 1-57: General vicinity of area to south of proposed underground cable route, looking north-west.**





**Plate 1-58: 'Site of' megalithic structure (DG085-005) situated beside the Lowerymore River adjacent to the N15 National Road along grid route. These boulders are not archaeological in nature and are likely to be erratics. No surface trace of the tomb survives.**



**Plate 1-59: NIAH Ref. 40909424 Road Bridge at Cullionboy and Keadew Upper Tds.**



**Plate 1-60: NIAH Ref. 40909424 Same as above**



**Plate 1-61: Milestone recorded March 2016 along roadside during survey (NIAH 40909423).**





**Plate 1-62: View from vicinity (nearest public point) of RMPS DG077-021 (portal tomb (site of) and enclosure (DG086-003) towards proposed turbines. Limited view due to forestry, looking south-west. Taken from ITM 611371, 890545 (241 degrees).**



**Plate 1-63: View towards windfarm from vicinity of levelled ringfort DG086-004 at TIEVECLOGHOGE townland. Taken from ITM 612882, 887563 looking 240 degrees south-west. Views possible from this location.**



**Plate 1-64: View towards turbines (T19 in particular) from vicinity of DG087-004 cashel at TIEVECLOGHOGE townland. Taken from ITM 612827, 887115 at 279 degrees (west). Views possible from this location.**



**Plate 1-65: View towards north-eastern corner of proposed wind farm in vicinity of Unclassified cairn DG087-010 in Lismullyduff townland. Taken from ITM 616314, 888598 at 279 degrees (west).**





**Plate 1-66: View from southern shores of Lough Derg. Taken from ITM 608996, 873190 at 351 degrees (north) towards proposed windfarm site. Existing turbines (at Keadew?) To west of Carrickaduff visible from here).**