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Cultural Heritage Assessment

Land adjacent to Clocaenog Forest
Denbighshire, North Wales

January 2013



CULTURAL HERITAGE ASSESSMENT

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1. INTRODUCTION

- 1.1. The proposed construction of a wind turbine at land adjacent to Clocaenog Forest has, in principle, the potential to disturb known remains and undiscovered archaeology. In addition, it may affect the historic landscape, and may visually impact upon features such as Scheduled Ancient Monuments (SAMs) and Listed Buildings (LBs) for which setting is an important consideration.
- 1.2. The purpose of this assessment is to assess the potential impacts on the historic environment of the proposed development.
- 1.3. The assessment takes into account both direct and indirect impacts on designated cultural heritage receptors and whether any suitable mitigation measures could be proposed.

2. METHODOLOGY

- 2.1. The objectives of this chapter are to:
 - Identify designated heritage assets located within the site application boundary and assess potential direct impacts;
 - Identify designated heritage assets located within 2km of the proposed turbine and assess the potential indirect impact of the proposal on their setting; and
 - Identify measures for avoiding or mitigating potential impacts.
- 2.2. For the purpose of this report a designated cultural / heritage asset is defined as:
 - Listed Buildings (LBs) located within 2km; and
 - Scheduled Ancient Monuments (SAMs) located within 2km.
- 2.3. Registered Parks and Gardens, Historic Battlefields, Conservation Areas and World Heritage Sites are not considered in this report because there are no such designations within 2km of the turbine.
- 2.4. A search area of 2km was chosen given the relative modest size and scale of the (single wind turbine) proposal. The study area has been extended to account for two receptors located within 4km of the site, which because of their designation are considered to be particularly sensitive. These receptors relate to the Grade II* Listed Building Derwen Hall and the Grade I Listed Building St Mary's Church, Derwen.
- 2.5. Furthermore, only those cultural heritage receptors predicted to have visibility of the turbine according to the ZTV have been assessed.
- 2.6. Sources of cultural / heritage assets reviewed include:
 - CADW Historic Environment Record.
- 2.7. The above methodology is considered to be adequate to assess the likely effects of a single turbine at land adjacent to Clocaenog Forest. The position of all identified

cultural heritage receptors is shown in Figure 1: Cultural Heritage Assets. The assessment of potential direct impacts and indirect impacts of the scheme on identified cultural heritage receptors is set out below.

3. PLANNING POLICY CONTEXT

- 3.1. Legislation relating to archaeology and to scheduled ancient monuments is contained in the Ancient Monuments and Archaeological Areas Act 1979. Legislation regarding buildings of special architectural or historic interest is contained in the Planning (Listed Buildings and Conservation Areas) Act 1990. Section 66 of the 1990 Act is of relevance in that it states that special regard must be given by the decision maker in the exercise of planning functions to the desirability of preserving a listed building and its setting. Section 72 of the 1990 Act provides protection for the character and appearance of conservation areas.
- 3.2. Policy guidance in Wales of relevance to the historic environment is:
- Circular 60/96 'Planning and the Historic Environment: Archaeology' (December 1996);
 - Circular 61/96 'Planning and the Historic Environment: Historic Buildings and Conservation Areas' (December 1996).

4. CULTURAL HERITAGE RESOURCE

Designated cultural heritage receptors located within the site

4.1. There are no known designated cultural heritage assets located within the site application boundary. Therefore, there will be no predicted direct impacts arising from the proposed development on designated cultural heritage receptors.

Scheduled Ancient Monuments

4.2. There are six SAMs located within 2km of the application site.

Table 1.1: SAMs within 2km of the site centre

Reference	Name. location
DE245	Bryn Beddau Stone Circle Located approximately 1.2km to the west of the site.
DE255	Maen Llwyd Standing Stone Located approximately 1.2km to the west of the site.
DE201	Bedd Emlyn Located approximately 700m to the north-west of the site.
DE274	Garw Fynydd Cairn Located approximately 1.7km to the south of the site.
DE041	Pont Petryal Caerau Circles Located approximately 1.5km to the west of the site.
DE040	Bryn Beddau Round Barrows Located approximately 900m to the north-west of the site.

Listed Buildings

4.3. There are three LBs located within 2km of the application site.

Table 1.2: LBs within 2km of the site centre

Reference	Name. location
21364 Grade II	Braich About 1.5km NW of Derwen at head of small cwm Located approximately 800m to the south of the site.
24347 Grade II	Ffynnon Sara 1 km north west of Derwen church, in as small roadside enclosure with perimeter wall and gate. Located approximately 1km south-east of the site.
24506 Grade II	Tyn-y-mynydd In a valley 1 km south west of the village of Clocaenog, reached by a track north from an unclassified road, sited immediately west of the valley stream. Located approximately 1.2km to the north-east of the site.

4.4. In addition the study area has been extended to take account of two particularly sensitive receptors located outwith the study area. The receptors are identified in table 1.3 below:

Table 1.3: Sensitive LBs located outwith the study area

Reference	Name. location
Grade II*	Derwen Hall, Derwen Listing text is not available for this building. Located approximately 3.5km to the south-east of the site.
Grade I	St Mary's Church, Derwen Listing text is not available for this building. Located approximately 2.2km south of the site.

5. ASSESSMENT

Direct Effects

- 5.1. Work associated with construction of the turbine would have no direct impact on designated cultural heritage receptors, which are all outside the red line boundary.

Indirect Scheduled Ancient Monuments (SAMs)

- 5.2. Bryn Beddau Stone Circles: The monument is located within Clocaenog Forest and is fully enclosed by existing trees which prevent any views of the turbine site. As such, the turbine would not be visible in any views from the monument. In this regard the proposed turbine would not result in any adverse impacts upon the setting or cultural heritage significance of the designated monument.
- 5.3. Mean Llwyd: The monument is located within Clocaenog Forest and is fully enclosed by existing trees which prevent any views of the turbine site. As such, the turbine would not be visible in any views from the monument. In this regard the proposed turbine would not result in any adverse impacts upon the setting or cultural heritage significance of the designated monument.
- 5.4. Bedd Emlyn: The monument is located within Clocaenog Forest and is fully enclosed by existing trees which prevent any views of the turbine site. As such, the turbine would not be visible in any views from the monument. In this regard the proposed turbine would not result in any adverse impacts upon the setting or cultural heritage significance of the designated monument.
- 5.5. Garw Fynydd: The monument is located some distance from the site, where both intervening vegetation and the topography will limit some potential views of the proposed turbine. Where visible the turbine would only occupy a limited arch of view and would not dominate or be overbearing on any views. In this regard the proposed turbine would not result in any adverse impacts upon the setting or cultural heritage significance of the designated monument.
- 5.6. Pont Petryal Caerau: The monument is located within Clocaenog Forest and is fully enclosed by existing trees which prevent any views of the turbine site. As such, the turbine would not be visible in any views from the monument. In this regard the proposed turbine would not result in any adverse impacts upon the setting or cultural heritage significance of the designated monument.
- 5.7. Bryn Beddau Round Barrows: The monument is located within Clocaenog Forest and is fully enclosed by existing trees which prevent any views of the turbine site. As such, the turbine would not be visible in any views from the monument. In this regard the proposed turbine would not result in any adverse impacts upon the setting or cultural heritage significance of the designated monument.

Indirect Listed Buildings (LBs)

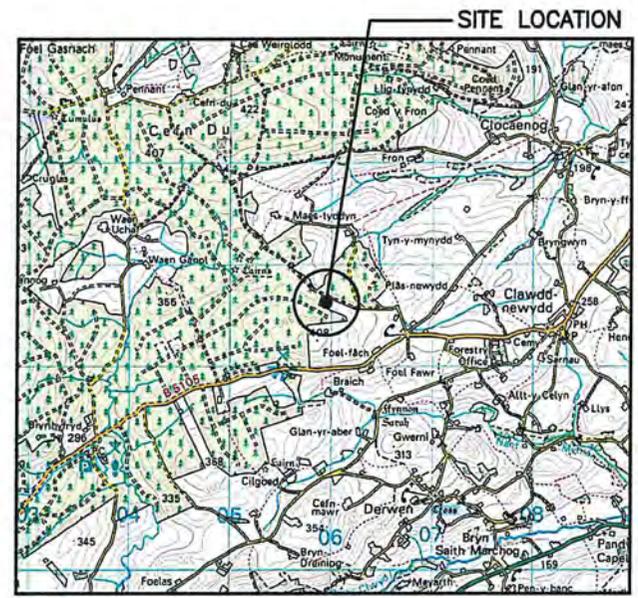
- 5.8. Braich: The setting of the cultural heritage receptor has already been impacted upon by the modern agricultural buildings that are present within the farm complex. Views towards the site would be screened by an area of intervening forestry limiting the potential for full views of the proposed turbine. Where visible the turbine would only occupy a limited arch of view and would not dominate or be overbearing on any views. In this regard the proposed turbine would not result in any adverse impacts upon the setting or cultural heritage significance of the building.
- 5.9. Ffymon Sara: Views towards the site would be screened by an area of intervening forestry limiting the potential for full views of the proposed turbine. Where visible the turbine would only occupy a limited arch of view and would not dominate or be overbearing on any views. In this regard the proposed turbine would not result in any adverse impacts upon the setting or cultural heritage significance of the building.
- 5.10. Tyn-y-mynydd: Views towards the site would be screened by an area of intervening forestry limiting the potential for full views of the proposed turbine. Where visible the turbine would only occupy a limited arch of view and would not dominate or be overbearing on any views. In this regard the proposed turbine would not result in any adverse impacts upon the setting or cultural heritage significance of the building.
- 5.11. St Mary's Church, Derwen and Derwen Hall: Both receptors have been subject to detailed wireline analysis (refer to Viewpoint 1 and 2) which confirm that the turbine would not be visible to either receptor. In this regard the proposed turbine would not result in any adverse impacts upon the setting or cultural heritage significance of the receptors.

Conclusion

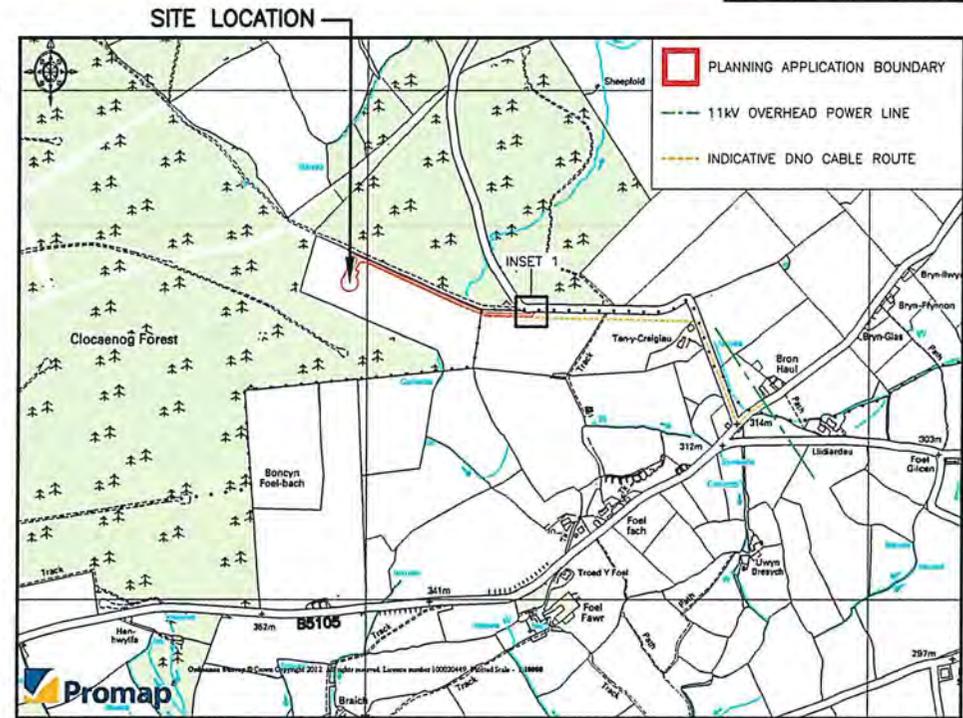
- 5.12. None of the cultural heritage receptors would be significantly impacted by the presence of the single wind turbine at land adjacent to Clocaenog Forest.

6. CONCLUSIONS

- 6.1. The proposed development site has no known archaeological interest.
- 6.2. This assessment concludes that there will be no significant impacts on designated cultural heritage receptors as a result of the proposed turbine.
- 6.3. The mitigation of any direct impacts that may arise as a result of the proposed turbine and associated access track can be achieved through micrositing and a condition in respect of an archaeological watching brief during construction works.



SITE LOCATION
(Scale 1:50000)



DETAILED SITE LOCATION
(Scale 1:10000)

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SITE NGR:
305956 E / 352628 N

MSV:
DATE: 16/04/12 BY: NC

SITE ADDRESS: LAND ADJ. TO CLOCAENOG FOREST
CLAWDDNEWYDD
RUTHIN
DENBIGHSHIRE, LL15 2NN

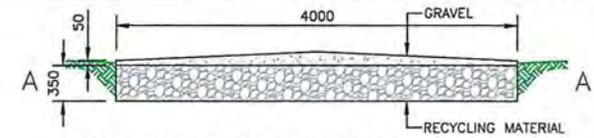
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LAND ADJ. TO CLOCAENOG FOREST
CLAWDDNEWYDD
RUTHIN
DENBIGHSHIRE
LL15 2NN

REV	DATE	DESCRIPTION	BY	CHK
A	23/04/12	FOR INFORMATION	BB	NC

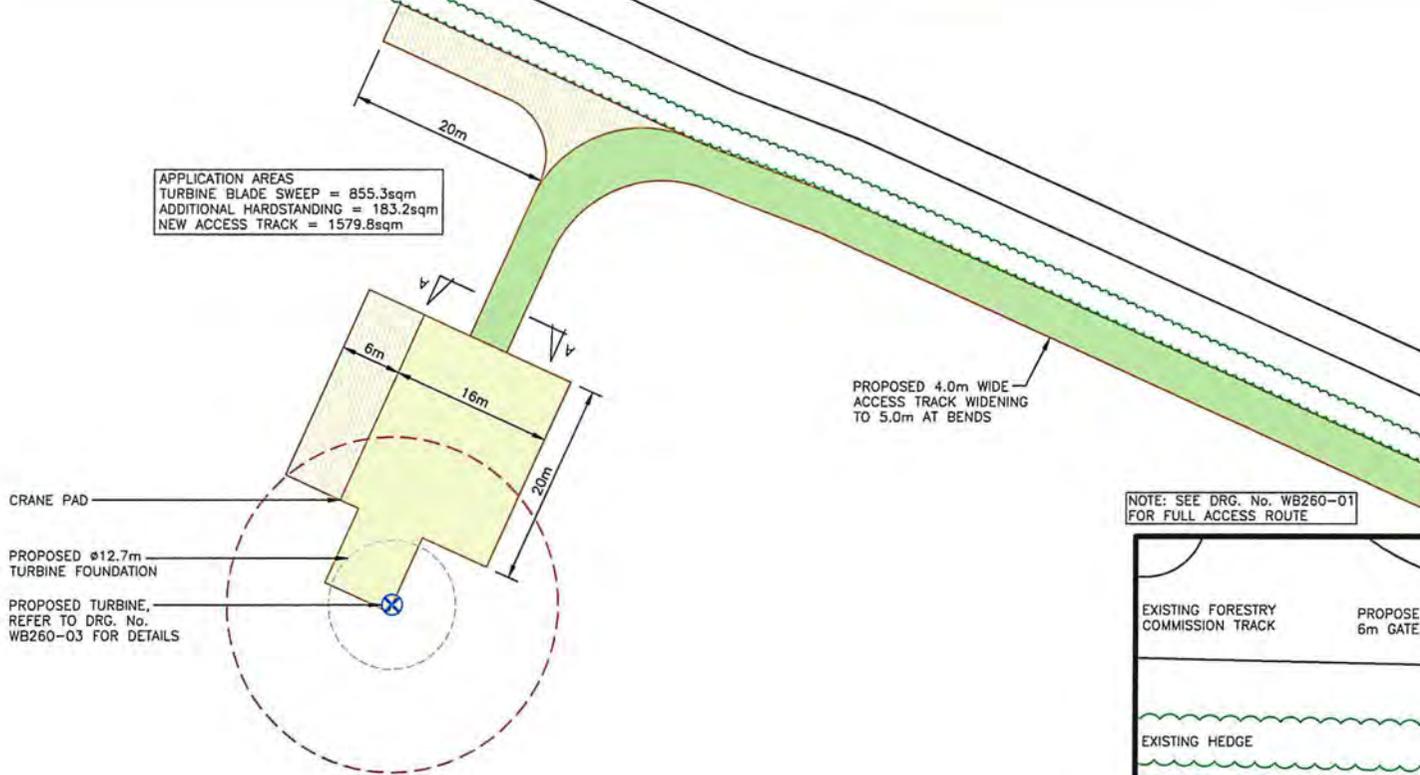
LAND ADJ. TO CLOCAENOG FOREST
SITE LOCATION MAPS

SCALE	DRAWING STATUS	Site No.	Drg No.	REV
AS SHOWN	INFORMATION	WB260/01		A



ACCESS ROAD CONSTRUCTION DETAIL
SECTION A-A (1:50)

APPLICATION AREAS
TURBINE BLADE SWEEP = 855.3sqm
ADDITIONAL HARDSTANDING = 183.2sqm
NEW ACCESS TRACK = 1579.8sqm



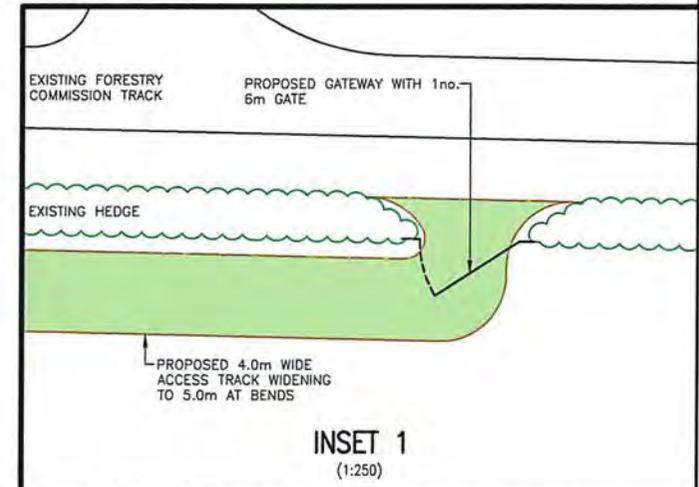
PROPOSED 4.0m WIDE ACCESS TRACK WIDENING TO 5.0m AT BENDS

NOTE: SEE DRG. No. WB260-01 FOR FULL ACCESS ROUTE

CRANE PAD
PROPOSED ϕ 12.7m TURBINE FOUNDATION
PROPOSED TURBINE, REFER TO DRG. No. WB260-03 FOR DETAILS

- NEW ACCESS ALTERATIONS
- CRANE PAD
- TEMPORARY LAYDOWN AREA

PROPOSED SITE PLAN
(1:500)



INSET 1
(1:250)

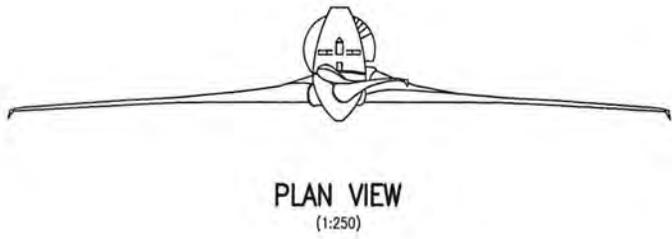
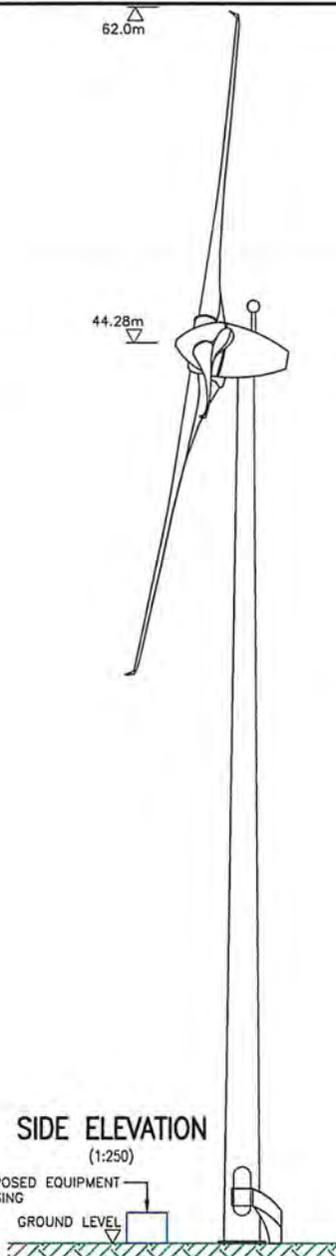
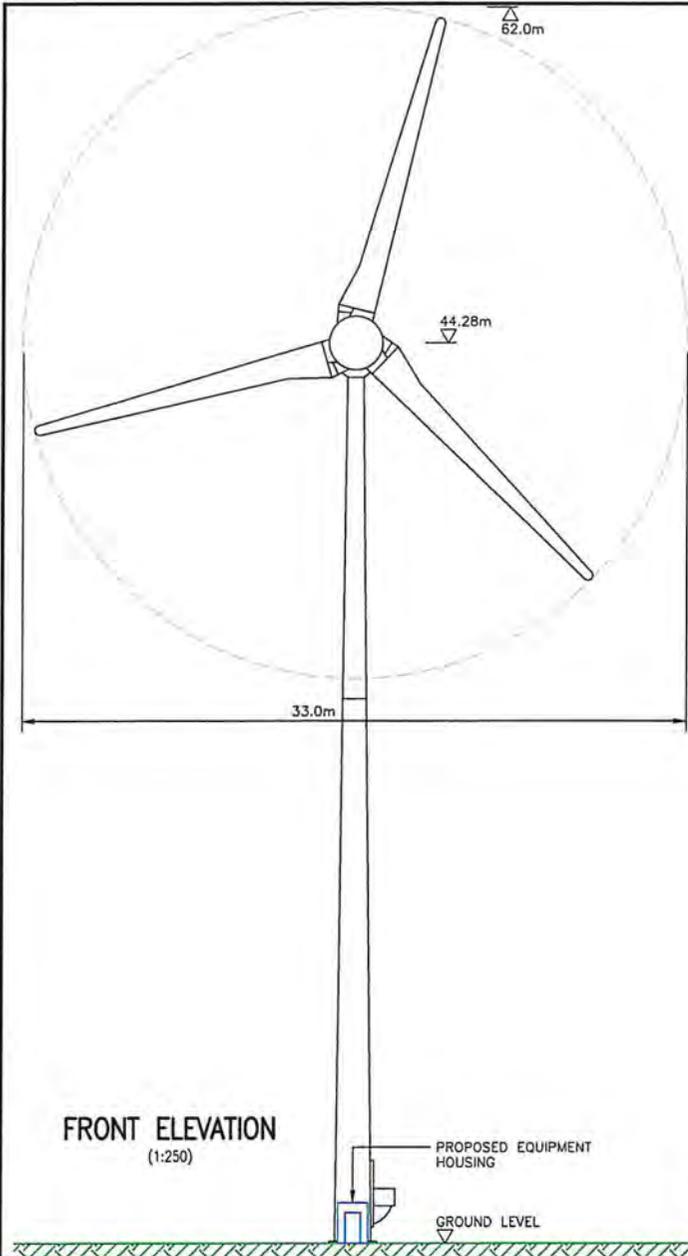
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RUTHIN
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LL15 2NN

REV	DATE	DESCRIPTION	BY	CHK
A	23/04/12	FOR INFORMATION	BB	NC

LAND ADJ. TO CLOCAENOG FOREST
PROPOSED SITE PLAN

SCALE AS SHOWN	DRAWING STATUS INFORMATION	Site No. WB260/02	Drg No. A	REV A
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REV	DATE	DESCRIPTION	BY	CHK
A	23/04/12	FOR INFORMATION	BB	NC

LAND ADJ. TO CLOCAENOG FOREST TURBINE DETAILS		Site No.	Org No.	REV
SCALE 1:500	DRAWING STATUS INFORMATION	WB260/03		A