Technical Specification Sheet

SHDC
Planning & Development
2 1 MAY 2010
Ref: 0433-10

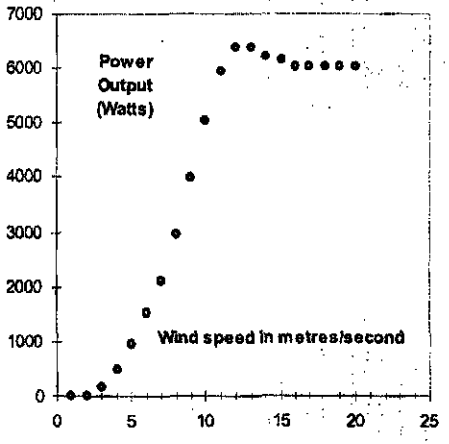


MODEL	Proven 6 (6kW)
Cut In (m/s)[1]	2.5
Cut Out m/s)	None
Survival m/s)	70
Rated (m/s)	12
Rotor Type	Downwind, Self Regulating
No. of Blades	3
Blade Material	Glassthermoplastic Composite
Rotor Diameter(m)	5.5
Generator Type	Brushless, Direct Drive, Permanent Magnet
Battery charging	48V DC
Grid connect with *Windy Boy Inverter*	230Vac 50Hz or 240 Vac 60Hz
Direct Heating	ac
Rated RPM	200
Annual Output[2]	6,000-12,000 kWh
Head Weight (kg)	600
Mast Type	Tilt-up, tapered, self-supporting, no guy wires (Taller guyed towers also available on request)
Hub Height (m)	9 or 15
WT Found (m)	2.5x2.5x1 or 3x3x1.2
Winch Found (m)	1x1x1 or 1.5x1.5x1
Tower Weight (kg)	360 or 656
Mechanical Brake	Yes
Noise[3] @ 5m/s	45 dBA
Noise @ 20m/s	65 dBA
Rotor Thrust (kN)	10
Sample of commercial customers	British Telecom Scottish Youth Hostel Association British Rail Irish Lighthouse Authority UK Lighthouse Authority T-mobile Orange Shell Exploration Saudi Aramco

Proven Patented Furling

In winds of above 12m/s or 25mph, the Proven's blades twist to limit power in response to high rpm

Low Speed Equals Durability

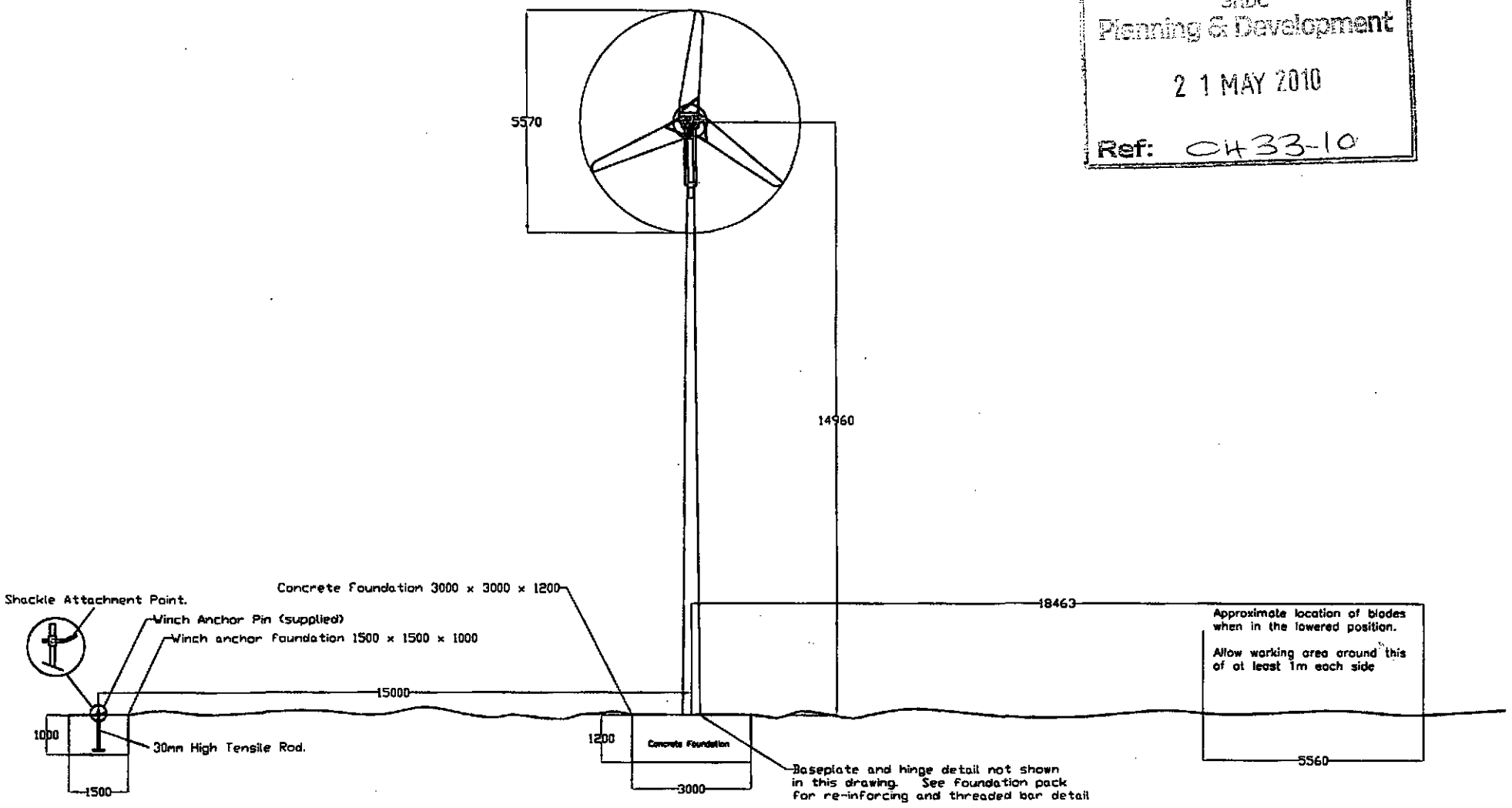


Marine Build Quality

All machines are manufactured with **galvanised** steel, **stainless** steel & **plastic** components

1 metre/second = 2.24 miles per hour = 3.6kph
2 Output range is quoted to cover typical average wind speeds (annual). Lighter wind sites with typical 4.5m/s will produce lower end of range. Higher wind speed sites e.g. 6.5m/s average will produce upper end of range.
3 All readings taken with an ATP SL-25 dBA meter at the base of the tower at a height of 1.5m.
* A car passing 20m away @ approx 40 mph is 70-80dBA

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ZONE	REV	DESCRIPTION REVISIONS	DATE	APPROVED
	2	Converted to A4/dims changed	5/3/02	BR
	-	-	-	-
	-	-	-	-

PREPARED BY BR | CHECKED BY

FSCM NO. | DWG NO. 6000 FO 017 rev 3.dwg | REV 3

DATE REV OCT '03 | SHEET 1

PROVEN ENERGY

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Proven 6 Wind Turbine with TM15000 Tilt up Tower

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The representation of a road, track or path is no evidence of a right of way.

The representation of features as lines is no evidence of a property boundary.

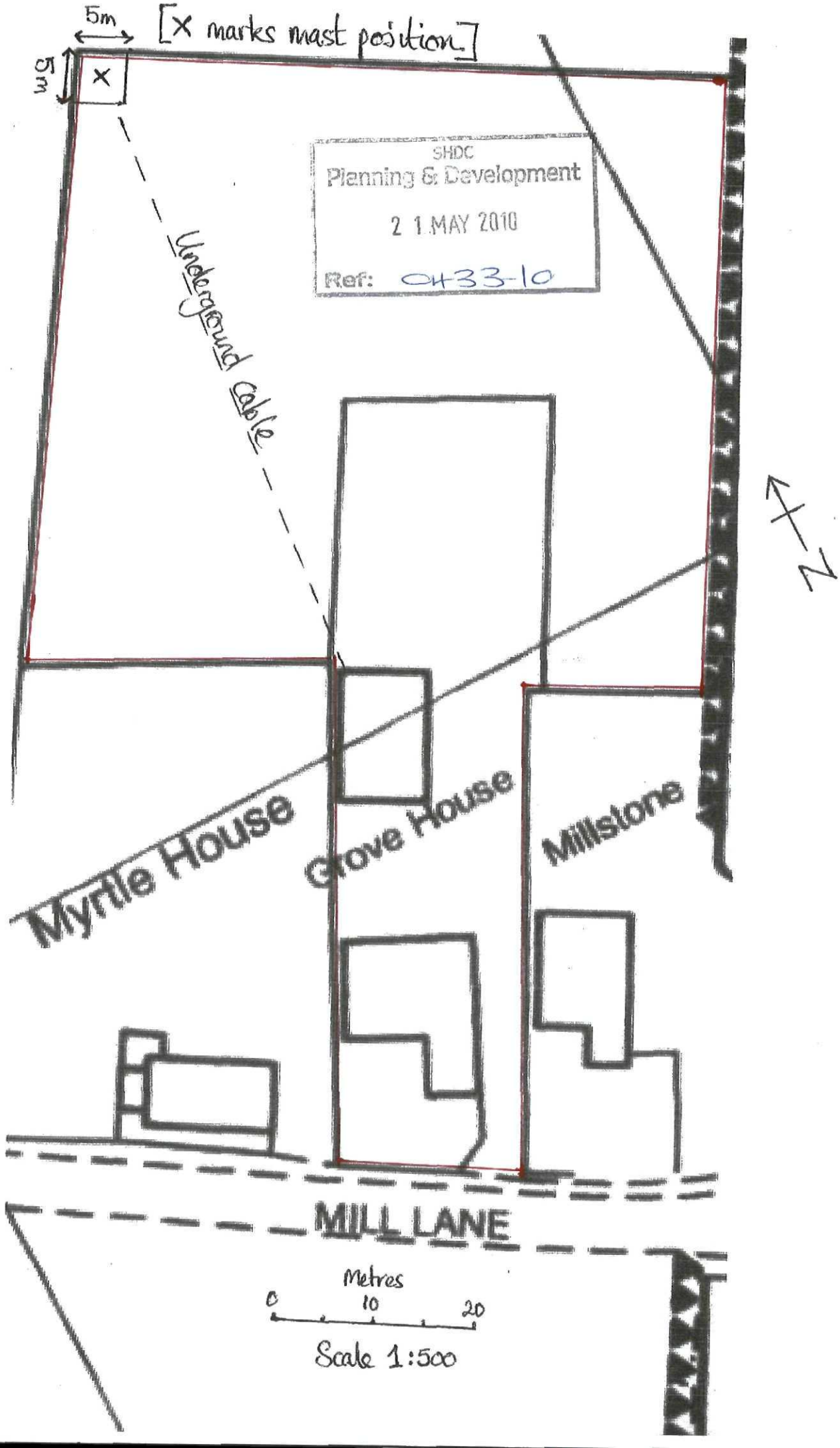
Metres
0 20 40 60 80 100

Scale 1:2500

Supplied by: **Bookmark Spalding Ltd**
Serial number: 00100400
Centre coordinates: 533378 311686

Further information can be found on the OS Sitemap Information leaflet or the Ordnance Survey web site: www.ordnancesurvey.co.uk

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Planning & Development
21 MAY 2010
Ref: 0433-10


5m
[X marks mast position]
5m
X
SHDC
Planning & Development
2 1 MAY 2010
Ref: 0433-10
Underground cable
Myrtle House
Grove House
Millstone
MILL LANE
Metres
0
10
20
Scale 1:500