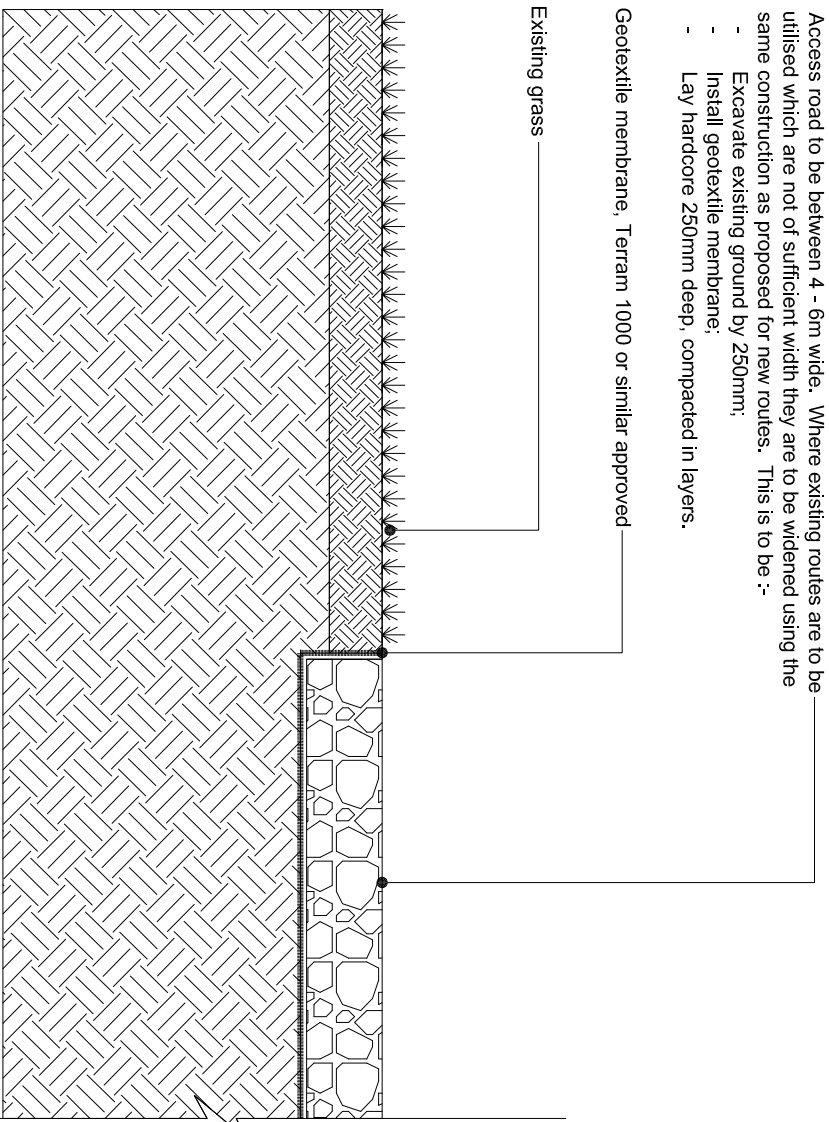




Existing Aerial View - NTS

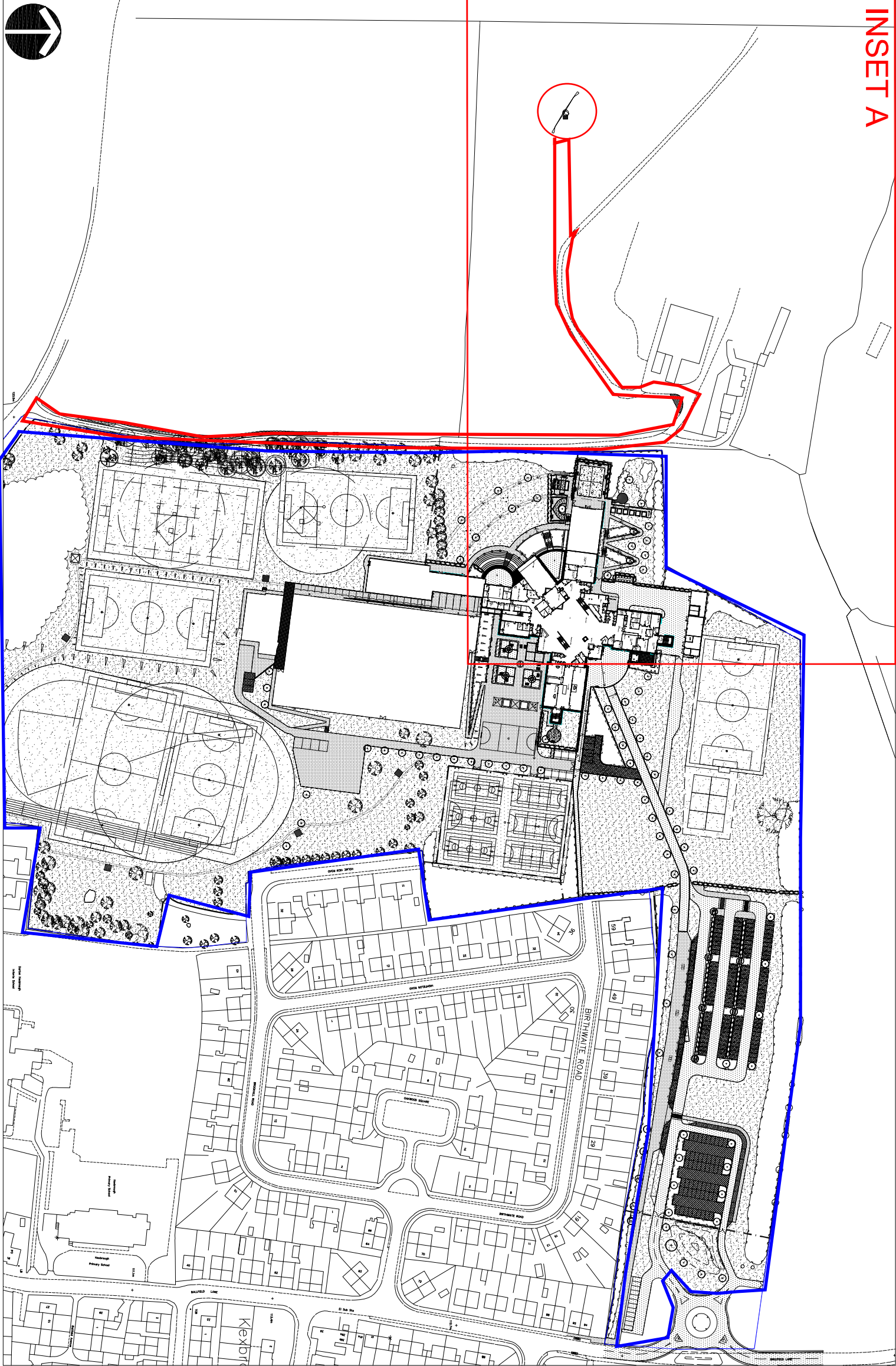


Proposed Landscape Masterplan - NTS



Typical section through access road/compound
- 1:25

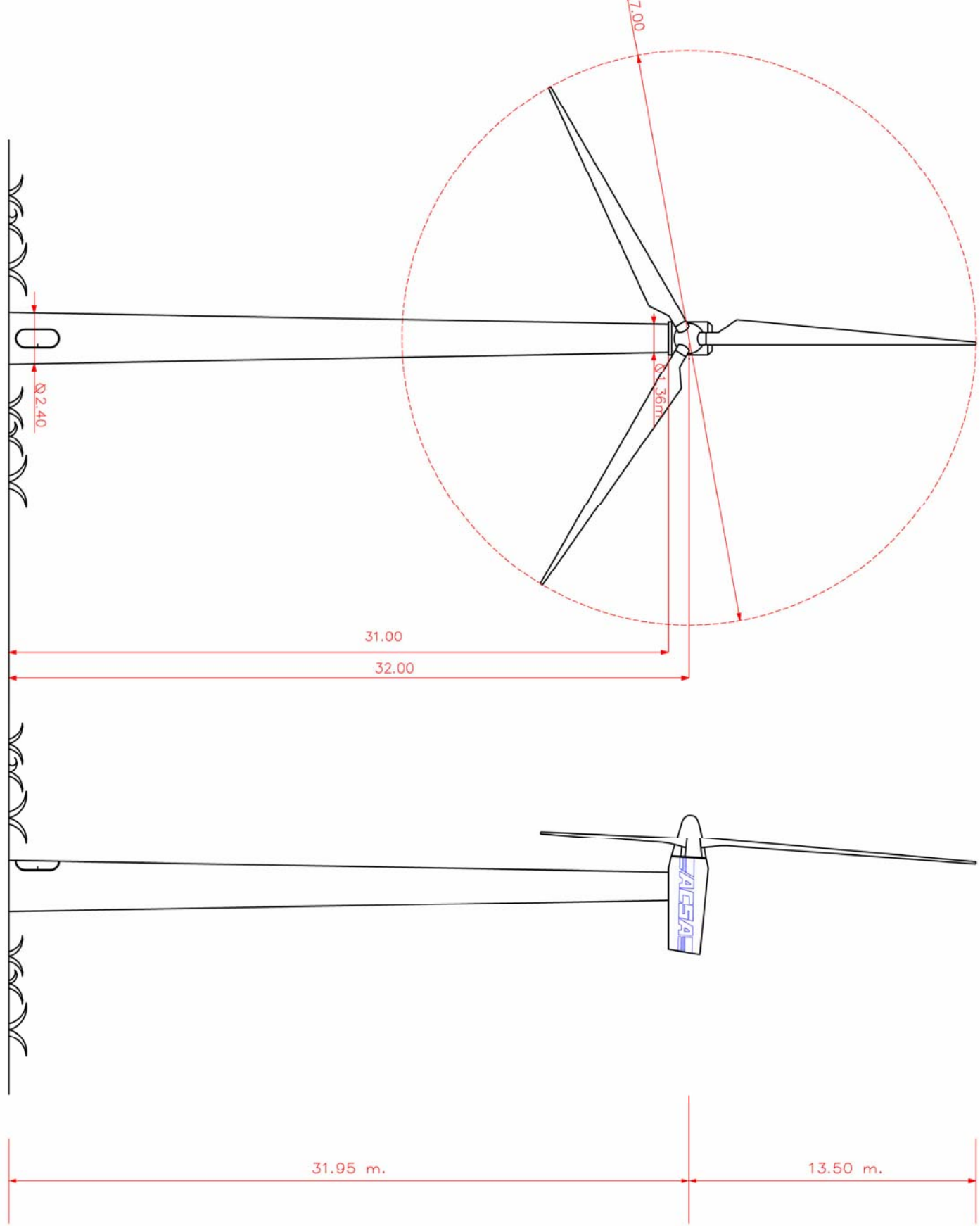
REV	DESCRIPTION	DATE	REV	DESCRIPTION	DATE
P01	Preliminary Issue	14.09.09			
P02	Elevation of turbine added and site plan at 1:500 shown	10.12.09			
P03	Access road revised to show 4m wide	10.12.09			
P04	Proposed vegetation amended within 50m radius of wind turbine. Typical elevation revised to show above model.	01.04.10			
P05	Location of proposed wind turbine amended	10.05.10			
P06	Location of proposed wind turbine amended	28.05.10			
P07	Location and type of wind turbine amended. Proposed access road shown and method statement provided.	07.02.11			
P08	Route through farm yard amended.	23.02.11			



INSET A

Site Plan - 1:2500

Typical elevation of 225kw turbine - 1:250



- Land in Applicants Ownership
- Indicative wind turbine location
- 1 no. 225kw wind turbine

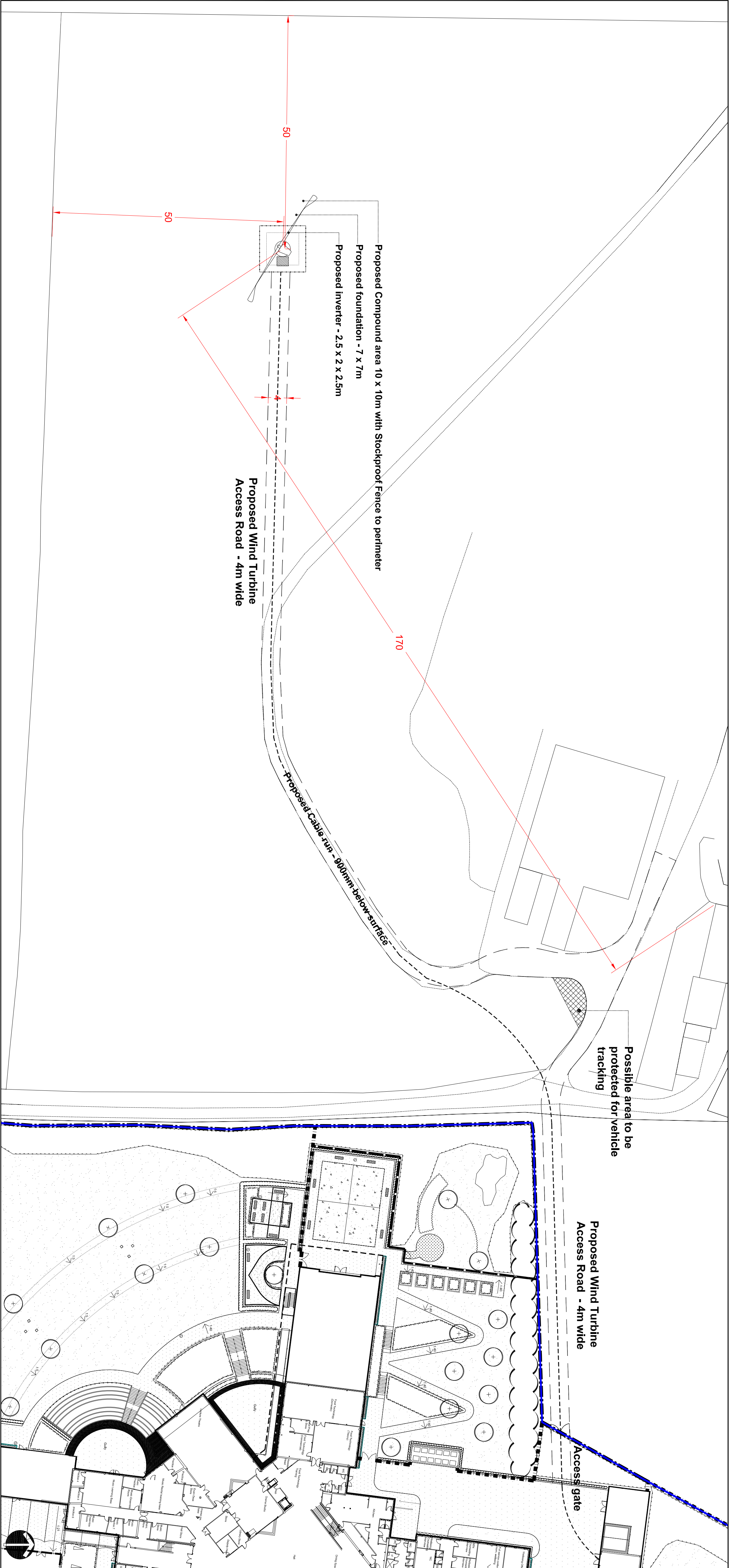
Typical Method Statement for the erection of a 225kW wind turbine.

Site Investigation - 1 day duration
1 No Land Rover with small drill rig (100mm diameter) to carry out ground investigation.

Foundations - 3 day duration
1 No 300mm x 1150mm diameter piles approx 6m deep into the ground at the base of the mast. 1 day duration
1 no 7m x 7m x 2 m deep hole to excavated using a JCB 30CX and 1 No 20 tonne 4 wheel lorry to cart excess material away. 1 day duration
Install reinforcement cage and concrete the base. 3 men 1 day using 1 No 30tonne dumper to transport the concrete from the road side to base.

Turbine Erection - 10 days duration
Install haul road off farm reinforcement membrane and crushed recycled material. It is the intention to leave the haul road in place, subject to agreement, to assist the access of the transilanderover access in the future - see Inset A.
2 No Cranes, 1 no 120tonne, 1No 500tonne capacity to access across the field using the haul road. 3 day duration
Delivery of the turbine parts will require 3 visits of a 44 tonne low load lorry to deliver the tower, 1 visit to deliver the nacelle and 1 visit to deliver the blades.
Cranes will lift the mast and nacelle into position, secure bolts to the mast base, and attach 3 no blades to the nacelle.
Install inverter cabinet at the base of the wind turbine, size 3m long, 2 wide and 2.2 in high in green. 4 days
Connect cables from nacelle to the inverter, and from the inverter to the farmers field boundary. Cable 600mm deep 400mm wide and backfilled with excavated material and palled flat. 1 day.

Access requirements once wind turbine is installed
There will be a number of 1 man visits required immediately after erection to commission the turbine and to carry out maintenance inspections. This normally involves 1 person and a land rover, and takes approximately 2 weeks.
Once the commissioning period is complete then the wind turbine will require 6 monthly scheduled maintenance inspections. Again the access requirements will be a man and a Landover/ transit type vehicle with an elevating basket to allow visual inspection of the nacelle.



INSET A - Scale 1:500

Bamsley Partnership for Learning

Design Risk Reference: CDW/

PROJECT:
Bamsley BSF - Darton
Proposed Wind Turbine Location

DRAWING No. BRPL_DAR_AWP_DR_94_EW_LL_13 P08
AS SHOWN DATE 14.09.09
10 Summitall Tarns Newcastle upon Tyne
Anthony Walker and Partners Limited
Tel: 0191 233 0188 Fax: 0191 281 1527 Email: info@awpartners.co.uk

SCALE (A1)
DATE
DRAWN: CHKO
CHECKED: NFA/GBB
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