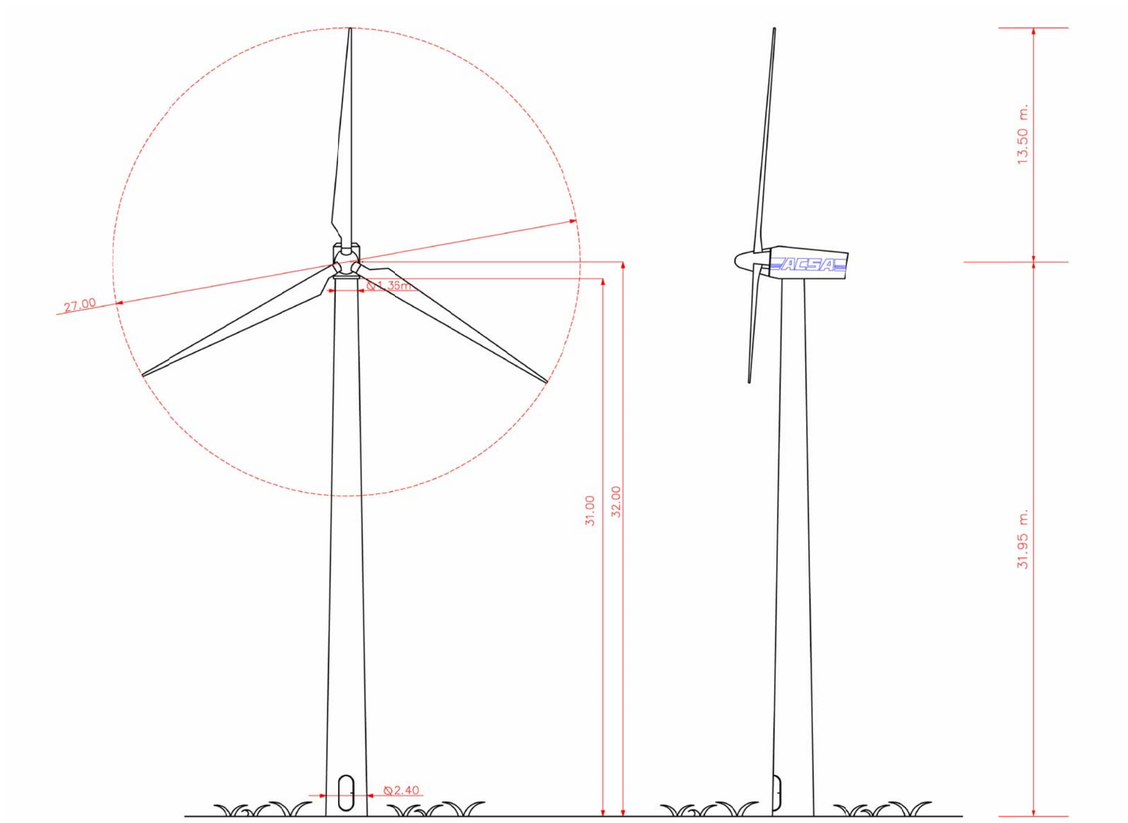


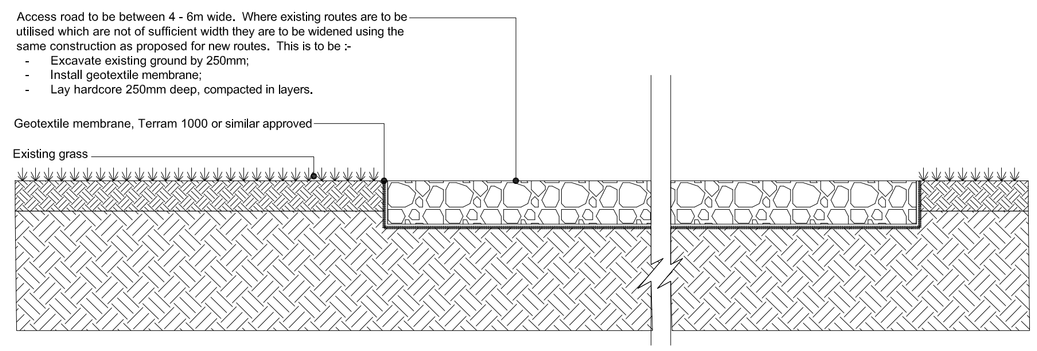
Existing Aerial View - NTS



Proposed Landscape Masterplan - NTS



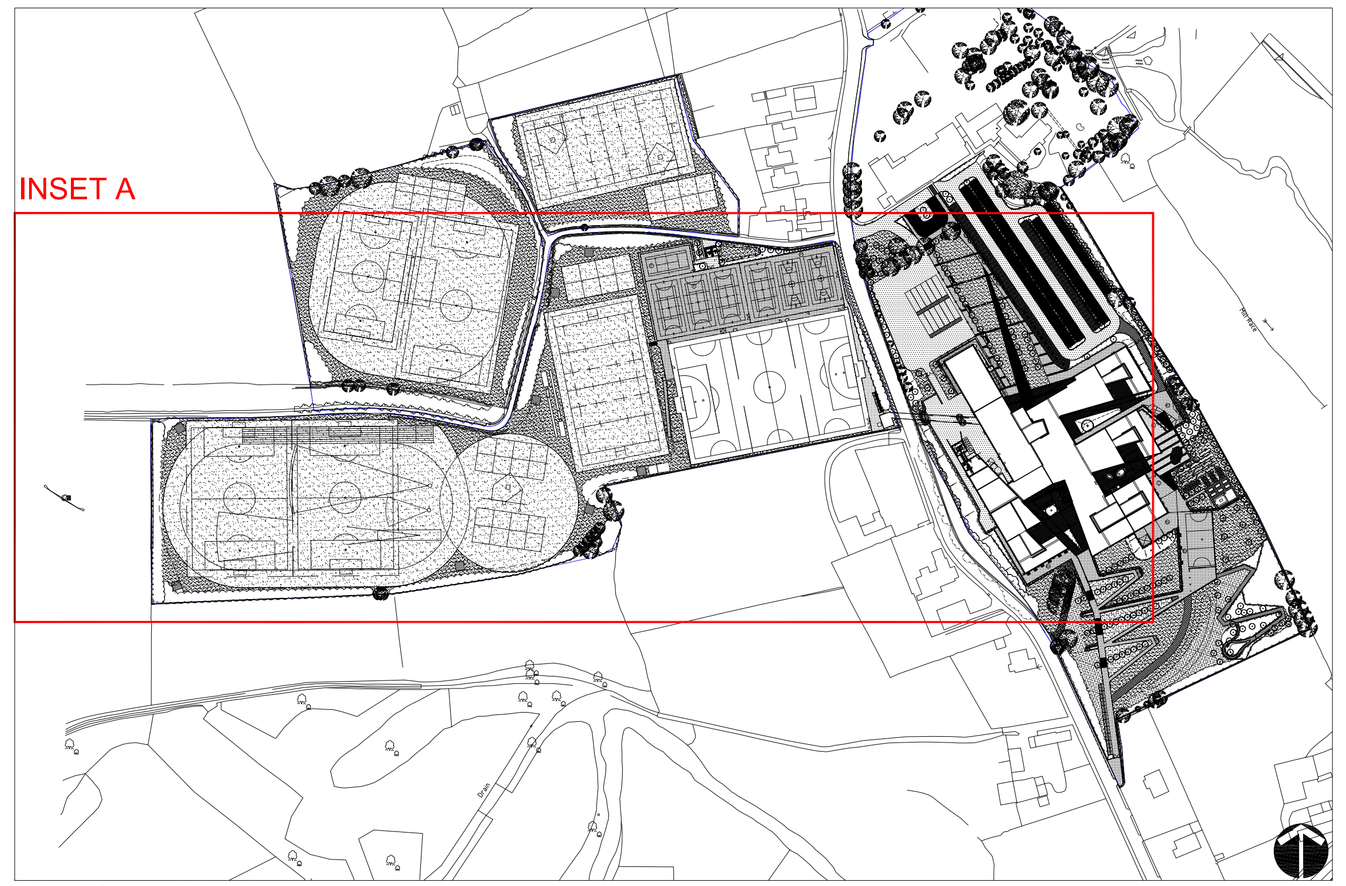
Typical Elevation of a 225kw turbine at 32m in height - 1:250



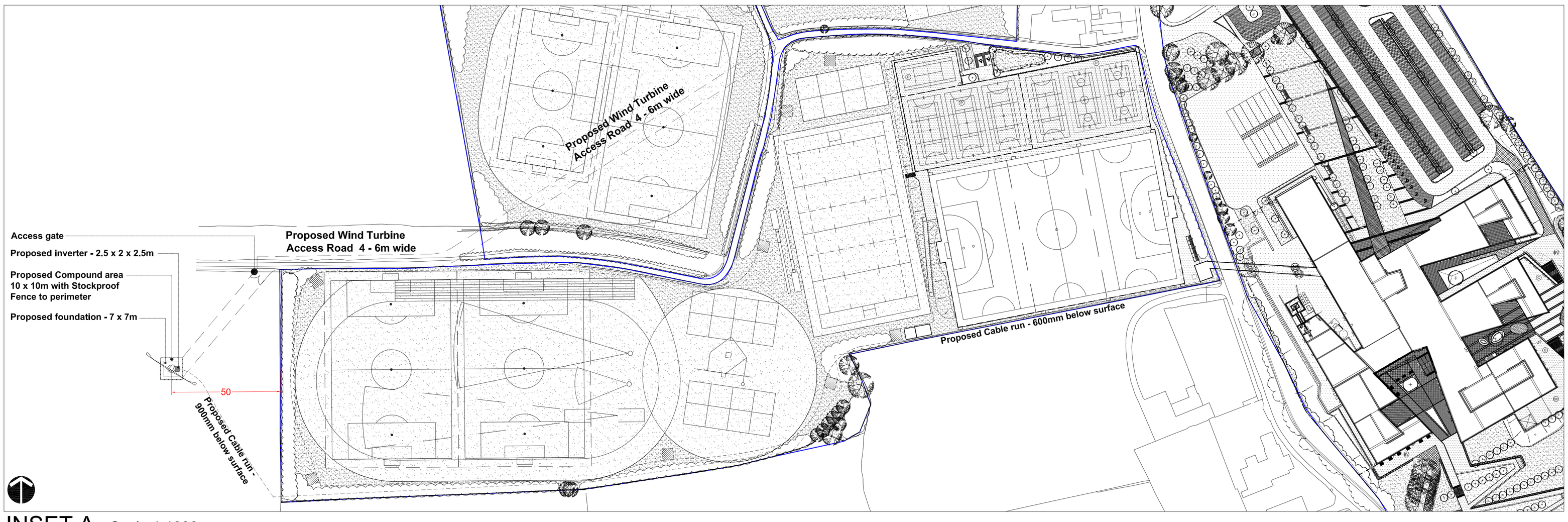
Typical section through access road/compound - 1:25

Land in Applicants Ownership

Indicative wind turbine location
1 no. 225kw, 32m high wind turbine



Site Plan - 1:2500



INSET A - Scale 1:1000

Indicative 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
1no mini piling rig will install 4 no 150 diameter piles approx 8m 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 3CX 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 3tonne dumper to transport the concrete from the road side to base.

Turbine Erection - 10 days duration
Install haul road of terram reinforcement membraine and crushed recycled material. It is the intention to leave the haul road in place, subject to agreement, to assist the access of the transit/landrover access in the future - see Inset A.
2 No Cranes, 1 no 120tonne, 1No 50tonne 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 mast, nacelle and blades.
Crane 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 m high in green. 4 days

Connect cables from nacelle to the inverter, and from the inverter to the farmers field boundary. Cable 800mm deep 400mm wide and backfilled with excavated material and patted 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 equipment and to make sure it is operating correctly. 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 Landrover/ transit type vehicle with an elevating basket to allow visual inspection of the nacelle.

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	2 no. wind turbines shown and location amended	07.06.10			
P04	Location and type of wind turbine amended. Proposed access road shown and method statement provided.	07.02.11			

Barnsley Partnership For Learning

Design Risk Management Reference: CDM/

awp

PROJECT
Barnsley BSF - Penistone

DRAWING TITLE
Proposed Wind Turbine Location

DRAWING No.	SCALE (A1)	DATE	DRAWN	CHKD
BP4L_PEN_AWP_DR_94_BW_LL_15 P04	As shown	14.09.09	DH	SLL

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