

Validation Information:

1x50m high wind turbine and associated
development

(Your ref: 2012/1330/INVALID)

TEMPORARY ACCESS TRACK DETAILS

Land Associated with Ingfield Farm,
Ingbirchworth, Penistone, Sheffield, S36
7GG

rapid and safe access and protection on open ground against severe tracking and rutting and against environmental damage with highly efficient weight disposal on very soft or boggy ground. Eve TuffTrak can also be deployed as tough durable working areas for mining and utilities industries and military sites or to create temporary access roads for multiple vehicles and cars at outdoor events. The system is useful for allowing cranes, HGVs and cement mixers safe access across soft, wet or damaged ground such as pastoral farm land. Such a temporary system negates the need to lay stone/ gravel roads and also incorporates a ramp system to accommodate rolling topographies and local landforms. The provision of this system is temporary only and will provide both delivery and construction vehicles with a robust means to access the actual turbine site. Although the specification states a width of 3m, these systems can be bolted together to provide extra width to ensure minimum vehicle widths can be accommodated. Additional details can be found at Appendix A (TuffTrak) and separately (Eve Brochure). Photos of the proposed system are provided below:



Fig 1.2 - X Tufftrak Photos

Crane Hard Standings

- 1.3 The same X-TuffTrack system can also be utilised for the temporary crane hard standings required for the installation of the turbine.

Vehicle Specifications

- 1.4 Details of the types of vehicles that will be required for turbine delivery and installation are indicated within the additional EWT Transport and Storage information, submitted with the revised application. A turbine of this scale, although not the largest when compared to more

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significant commercial scale turbines, will however require some abnormal sized loads for the delivery and installation of the proposed EWT turbine to the site. In this context, allowances should be made for the provision of independent driver-operated rear steering for these larger vehicles, which may make the vehicle/load combination more manoeuvrable at the proposed access to the site. Once the larger abnormal sized vehicles have been unloaded they will retract to an extent that it will not be of abnormal dimensions. An indication of the type of vehicles envisaged are provided below.

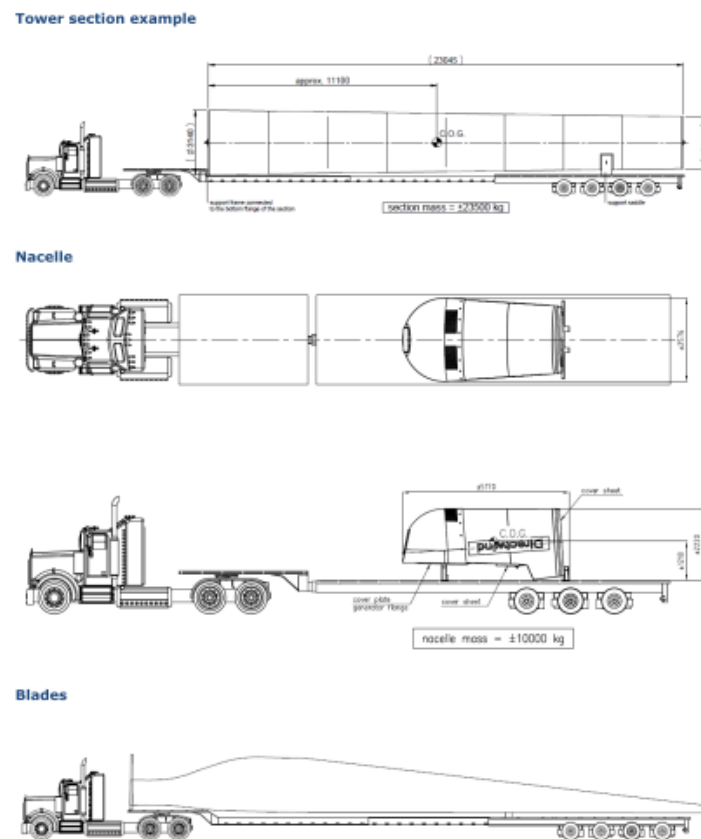


Fig 1.3 - Example Vehicle Types to achieve turbine delivery

- 1.5 At the turbine specification supplied, the level of vehicle movements would be significantly compared to many other types of construction schemes. The biggest disturbance to neighbour amenity likely to be seen is through the delivery of the turbine on site due to the scale of the vehicles needed. Not all settlements can be avoided in the delivery of the turbine, but delivery would seek to minimise the disturbance to neighbour amenity through

the installation process. Once operational it is envisaged there would be minimal maintenance which would present very limited effects on local amenity.

Routing Agreement

- 1.6 Whilst no assessments of abnormal indivisible load vehicle (AILV) routes have yet been undertaken, such measures (such as a transport management plan, swept path analysis for junctions etc) can be conditioned as part of any planning consent to ensure that the turbine's installation is viable and does not result in circumstances that may prejudice highway safety or local amenity.

Appendix A

Eve Tufftrak System

Eve TuffTrak is a temporary roadway system, suitable for heavy-duty vehicle access and pedestrians.

Ultimate Heavy-Duty Roadway

Eve TuffTrak is a heavy-duty roadway system, ideal for the heaviest of loads including plant, machinery and multiple vehicles to gain access across soft, wet or damaged ground by creating a more durable and stable surface. Once deployed, it allows rapid and safe access and protection on open ground against severe tracking and rutting and against environmental damage with highly efficient weight disposal on very soft or boggy ground.

Eve TuffTrak can also be deployed as tough durable working areas for mining and utilities industries and military sites or to create temporary access roads for multiple vehicles and cars at outdoor events. With a reversible pedestrian surface, Eve TuffTrak panels can be bolted together to create a heavy-duty traction surface or a pedestrian surface.

Amazingly Tough & Flexible

Manufactured using a unique moulding process to ensure a high level of integral strength and made from tough 48mm thick ultra-high-molecular-weight polyethylene (UHMWPE), Eve TuffTrak is virtually indestructible. Being polyethylene, the panels are not rigid which means they follow natural ground contours and undulations when installed, avoiding the need for much ground preparation.

Unlike aluminium, Eve TuffTrak can be deployed in areas of high theft risk and are lighter to transport than panels of comparable performance. The panel is chemically inert which makes it ideal for eco sensitive and heritage sites. The panels can be stored in wet areas for long periods without the risk of degradation and their solid core design means they do not absorb water. In addition, they do not conduct electricity - a significant benefit for those working with power lines.

Anti Slip Surface

Eve TuffTrak is the only heavy-duty plastic roadway solution that provides a

raised traction surface to prevent trucks slipping, even on uneven ground or inclines. The engineered chevron traction surface design delivers ultimate grip and dispels mud whilst vehicles traverse. The unique chevron nub design reduces sideways movement / slippage and delivers optimal forward traction for heavy plants, machinery and vehicles.

Furthermore the panels exhibit excellent resistance to many acids, alkalis and solvents and are easy to clean; characteristics that minimise the risk of contamination and provide additional environmental protection.

Suitable for

- ✓ Heavy Duty Roadway
- ✓ Medium Duty Roadway
- ✓ Light Duty Roadway
- ✓ Walkway
- ✓ Eve Install

Specification

Width - 3m
Length - 2.5m
Height - 48mm (including traction surfaces)
Weight - 288kg
Colour - Black

Features

- Material: Ultra-high-molecular-weight polyethylene (UHMWPE)
- Profile: Solid
- Lifting: Four lifting ferrules for hooks and chains
- Pedestrian Traction Surface: Uniform raised surface profile pattern for pedestrian use with low trip hazard
- Vehicular Traction Surface: Rugged raised surface profile for excellent traction for light to heavy vehicles, plant and machinery

Benefits

- Ultimate heavy-duty roadway suitable for the heaviest vehicles
- Amazingly tough and flexible
- Two traction anti-slip surfaces suitable for vehicles and pedestrians
- Ideal for where both pedestrians and vehicles need safe passage
- Low theft risk
- Conforms to ground avoiding damage to surface
- Chemically inert and can be cleaned thoroughly avoiding cross-contamination of arable and eco-sensitive areas

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www.evetrakway.co.uk

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