

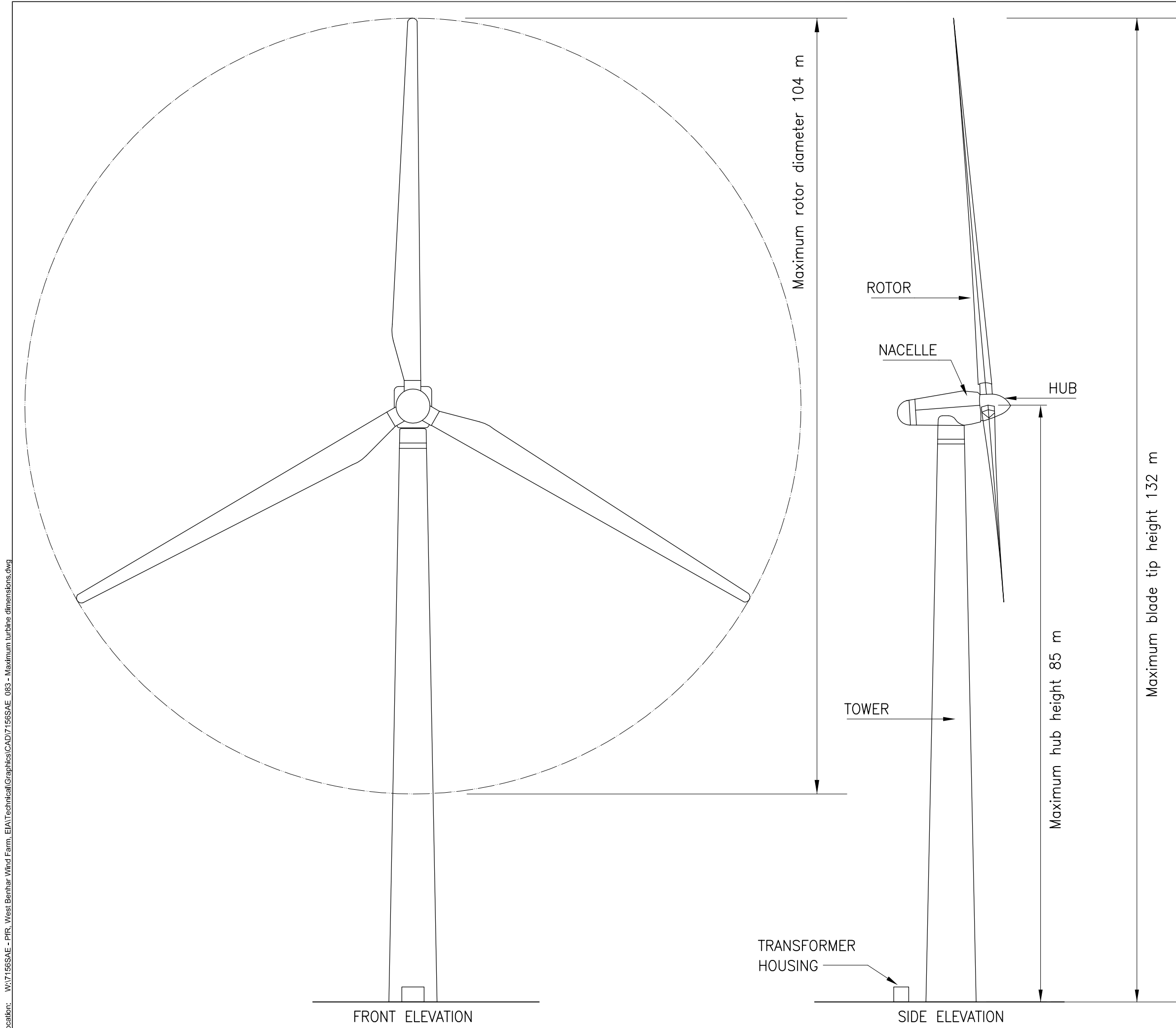
Chapter 4: Description of the Proposed Wind Farm

- 4.1 Maximum Turbine Dimensions
- 4.2 Typical Turbine Foundation
- 4.3 Typical Crane Hardstanding
- 4.4 Typical Cross Sections of Access Track
- 4.5 Typical Passing Place
- 4.6 Typical Turning Area
- 4.7 Typical Control Building
- 4.8 Typical Control Building Compound
- 4.9 Typical Meteorological Mast and Laydown Area
- 4.10 Typical Layout of Temporary Construction Compound

Notes:

All dimensions in metres unless otherwise stated.

Final turbine model to be confirmed prior to construction.



Location: W:\7156SAE - FIR, West Benhar Wind Farm, EIA\Technical\Graphics\CAD\7156SAE_083 - Maximum turbine dimensions.dwg

Project name: West Benhar Wind Farm

Title: Maximum Turbine Dimensions

Date: 23/05/2013

Created by: KAG

Illustrative only,
Not to Scale

REV: -

A3

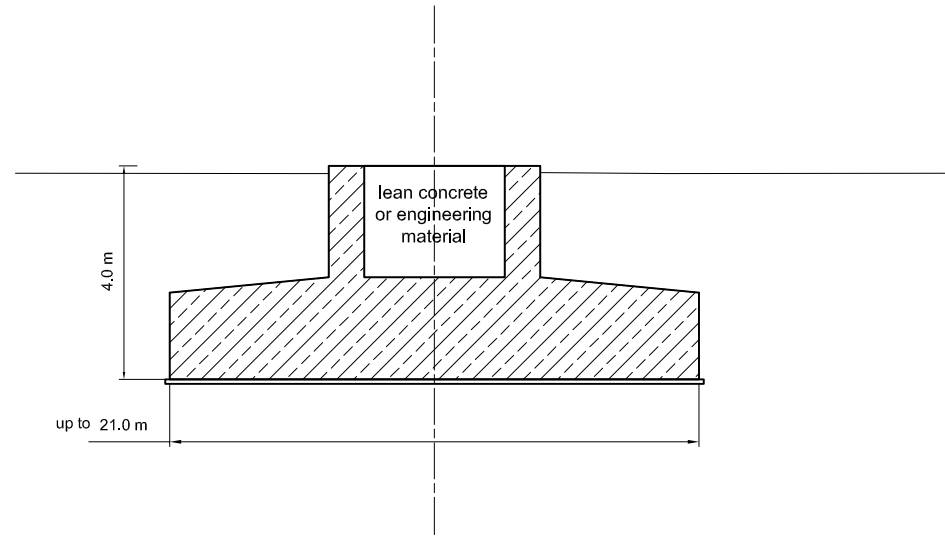
Figure : 4.1

Notes:

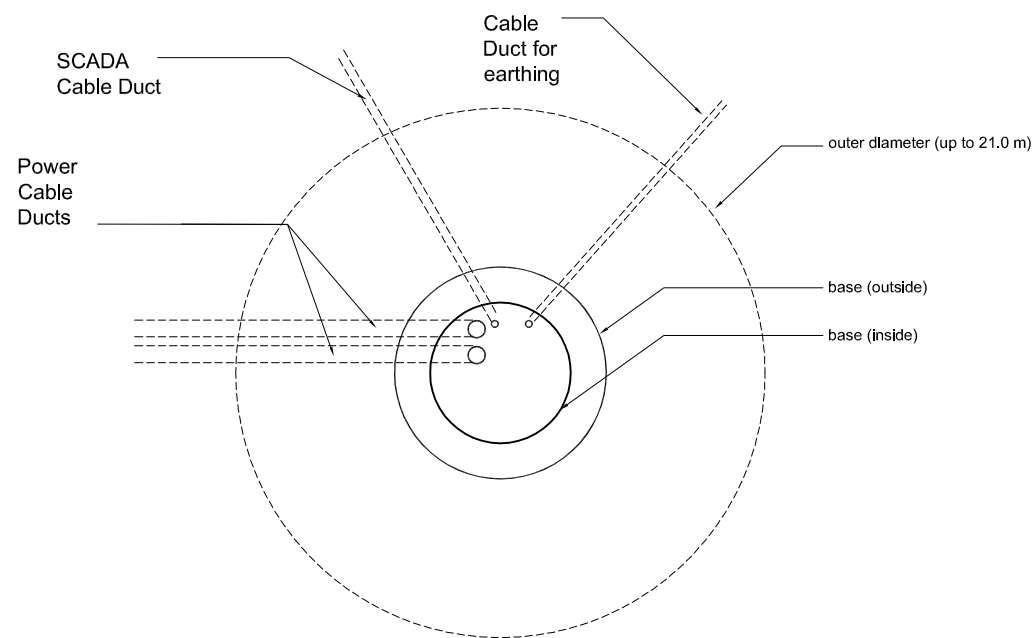
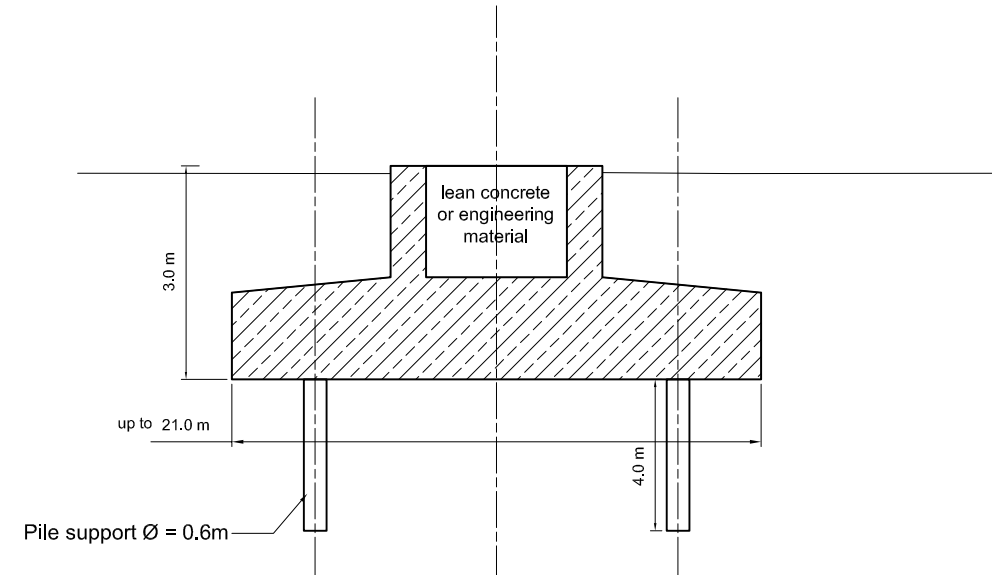
All dimensions in metres unless otherwise stated.

Actual turbine foundation will be determined prior to construction by final turbine design model and ground conditions.

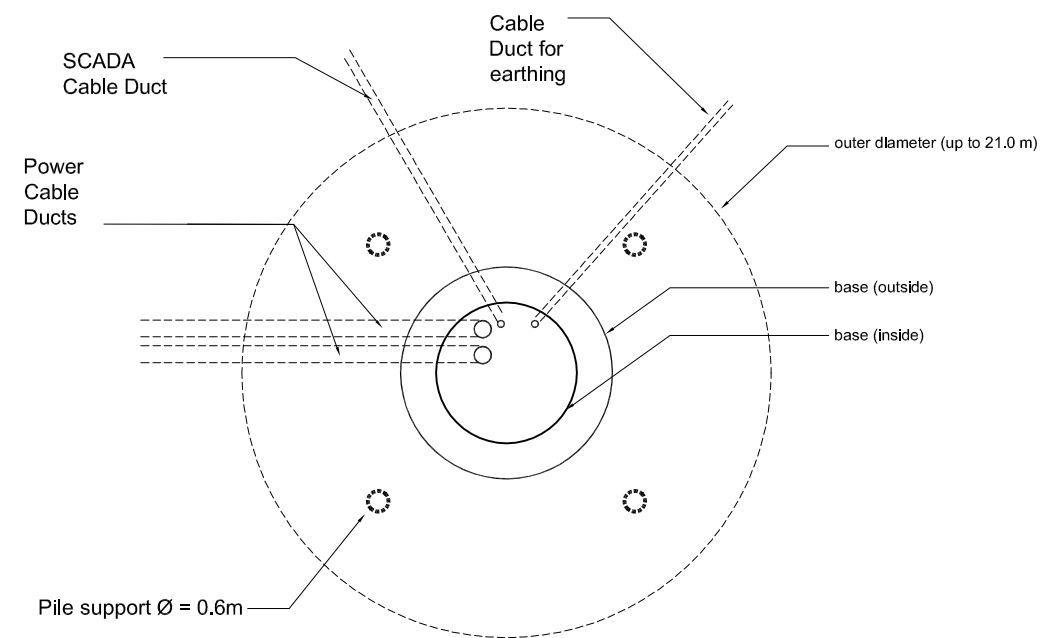
**WIND TURBINE GRAVITY FOUNDATION
TYPICAL SECTION**



**WIND TURBINE WITH PILE SUPPORT FOUNDATION
TYPICAL SECTION**



**WIND TURBINE
TYPICAL FOUNDATION PLAN**



**WIND TURBINE WITH PILE SUPPORT
TYPICAL FOUNDATION PLAN**

Location: W:\7156SAE - PIR, West Benhar Wind Farm, EIA\Technical\Graphics\CAD\7156SAE_084 - Typical turbine Foundation.dwg

Project name: West Benhar Wind Farm

Title: Typical Turbine Foundation

Date: 23/05/2013

Created by: KAG

Illustrative only,
Not to Scale

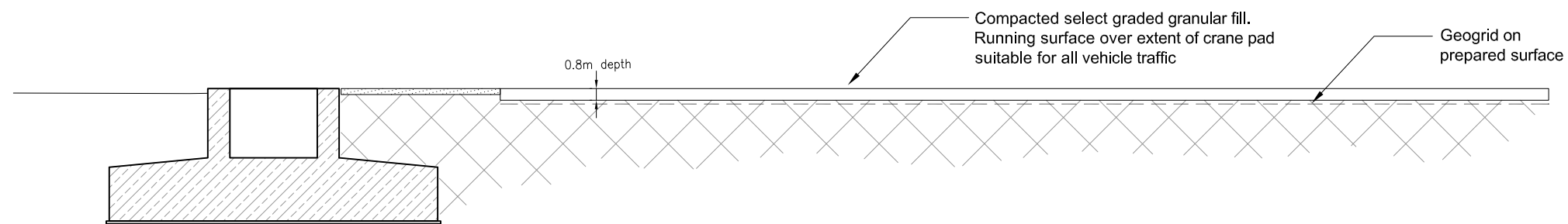
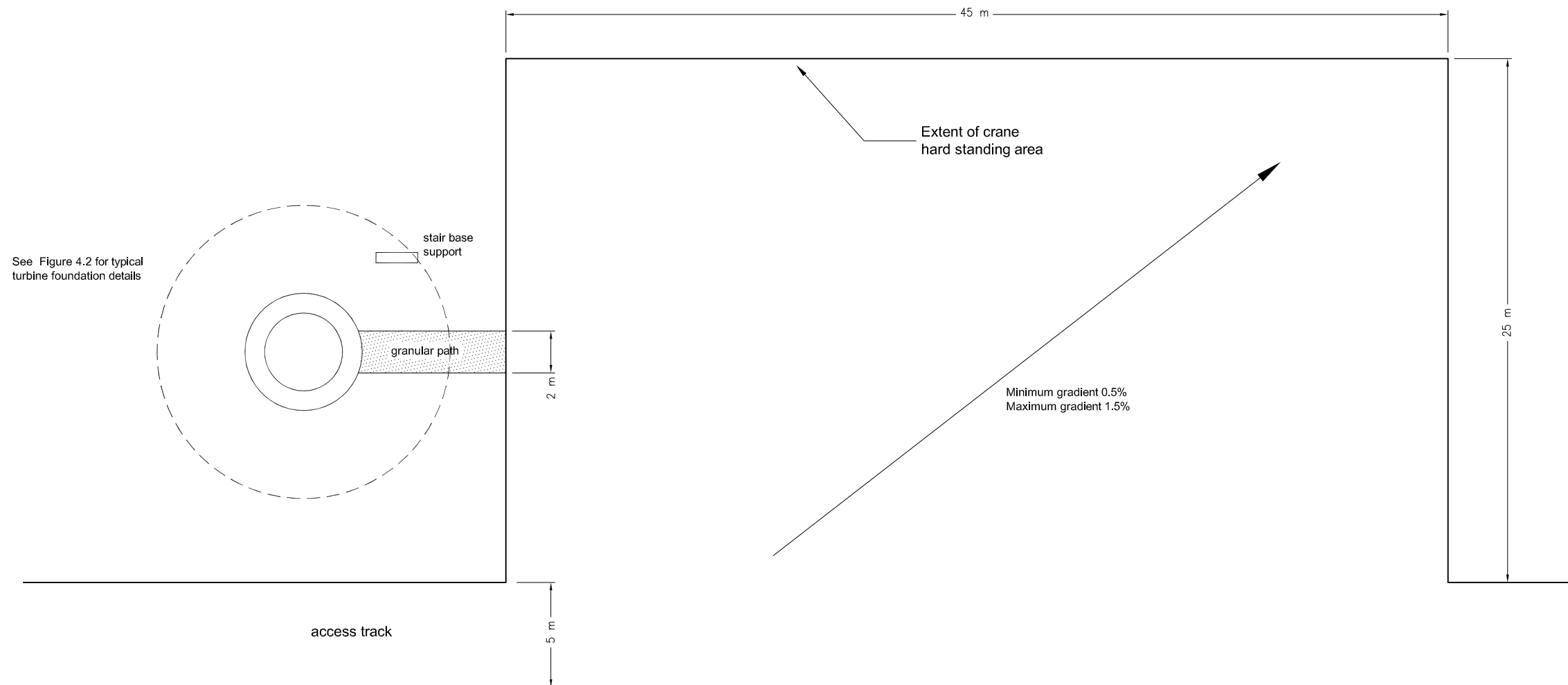
REV: -

A3

Figure : 4.2

Notes:

All dimensions in metres unless otherwise stated.



Project name: West Benhar Wind Farm

Title: Typical Crane Hardstanding

Date: 23/05/2013

Created by: KAG

Scale @A3 1:250

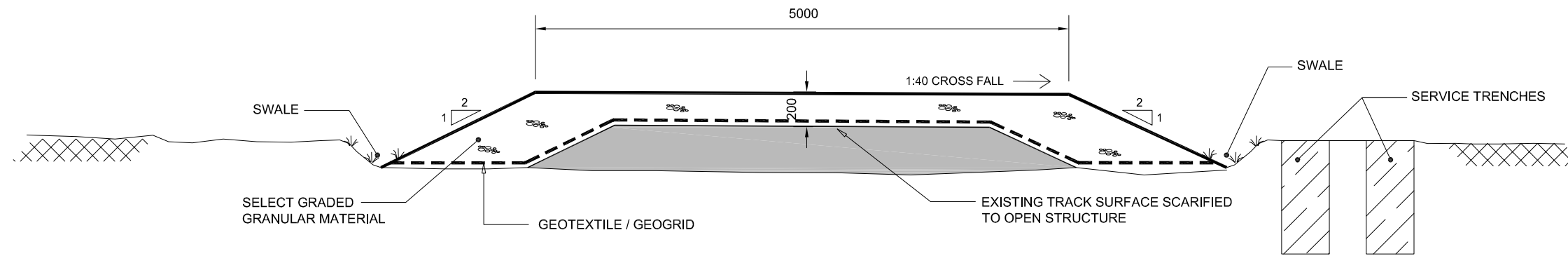


REV: -

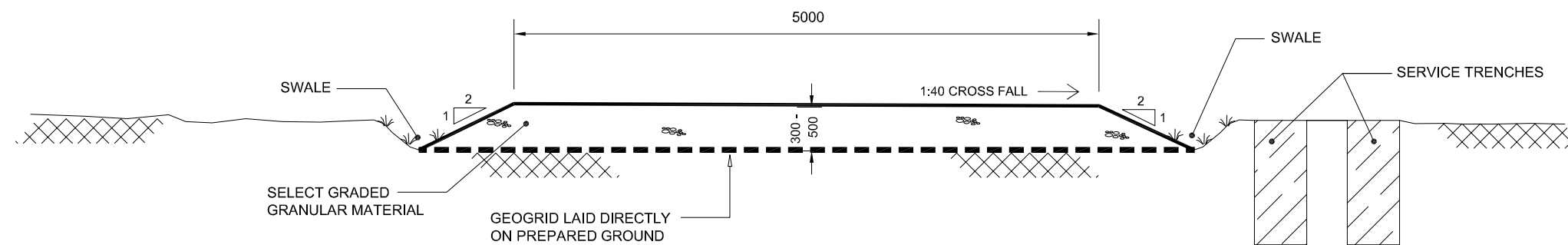
A3

Figure : 4.3

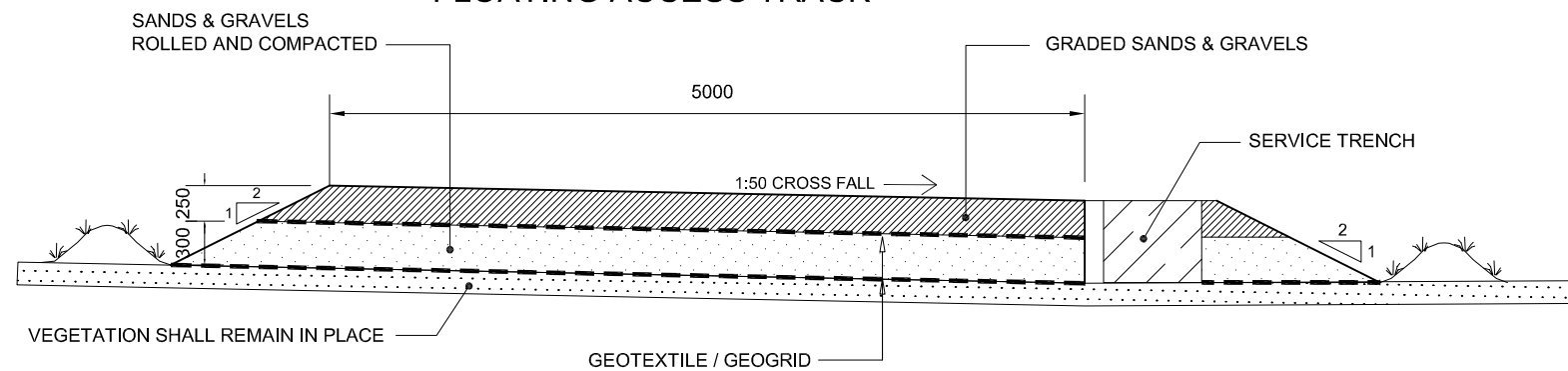
UPGRADE TO EXISTING TRACK



STANDARD ACCESS TRACK



FLOATING ACCESS TRACK



Notes:

Tracks can be constructed on sloping ground with a maximum cross fall of the track formation of 1 in 6 (9.5 degrees).
All dimensions in millimetres unless otherwise stated.

Project name: West Benhar Wind Farm

Title: Typical Cross Sections of Access Track

Date: 20/05/2013

Created by: KAG

Scale @A3 1:50



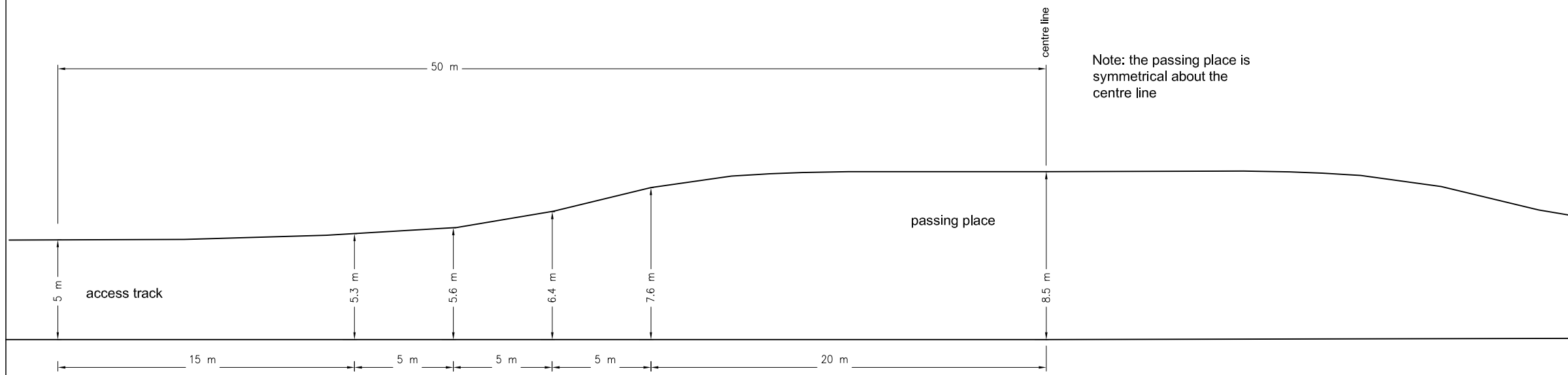
REV: -

A3

Figure : 4.4

Notes:

All dimensions in metres unless otherwise stated.



Location: W:\7156SAE - FIR, West Benhar Wind Farm, EIA\Technical\Graphics\CAD\7156SAE_090 - Passing Place.dwg

Project name: West Benhar Wind Farm

Title: Typical Passing Place

Date: 23/05/2013

Created by: KAG

Scale @A3 1:250



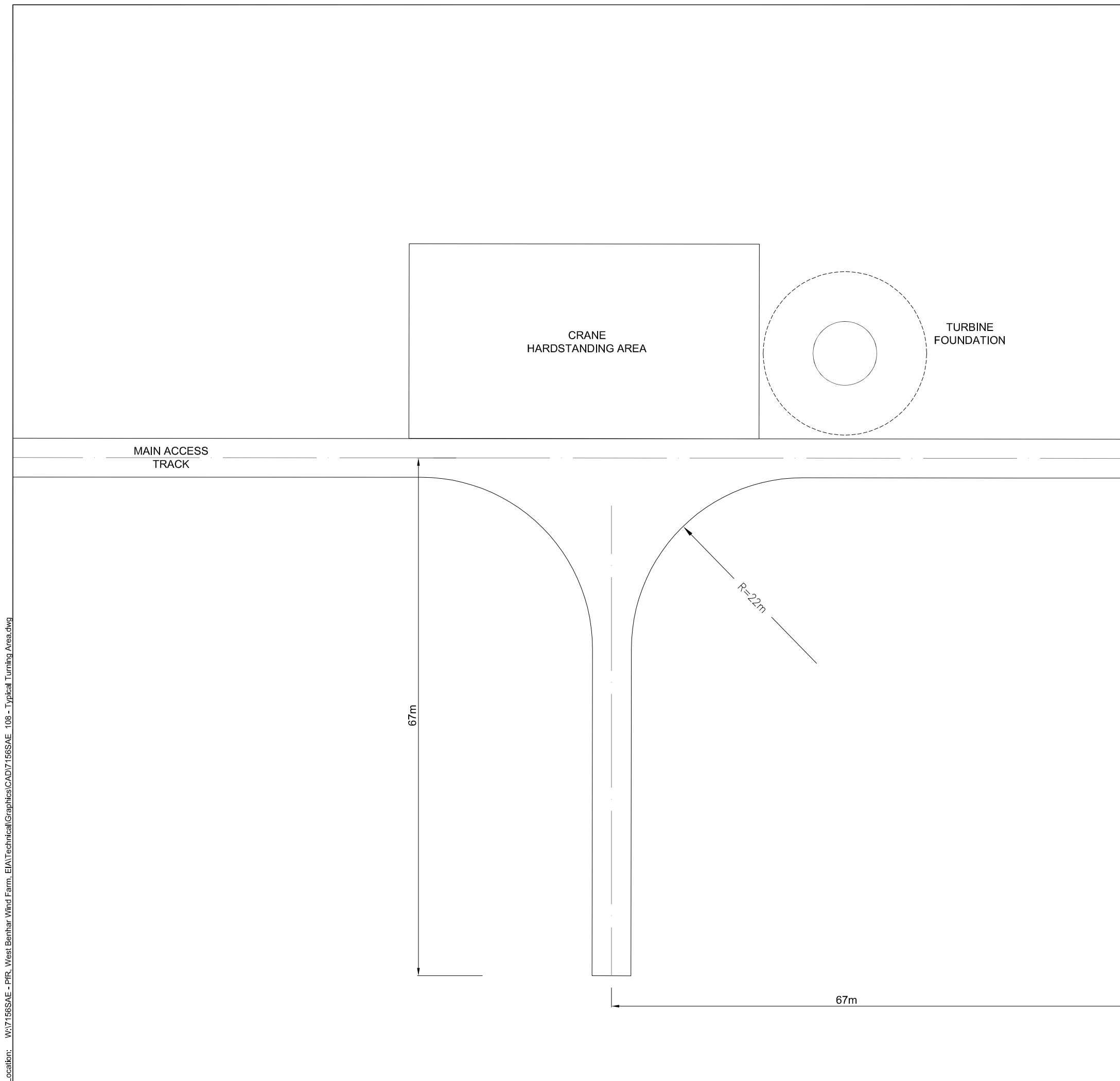
REV: -

A3

Figure : 4.5

Notes:

All dimensions in metres unless otherwise stated.



Location: W:\7156SAE - FIR, West Benhar Wind Farm, EIA\Technical\Graphics\CAD\7156SAE_108 - Typical Turning Area.dwg

Project name: West Benhar Wind Farm

Title: Typical Turning Area

Date: 23/05/2013

Created by: KAG

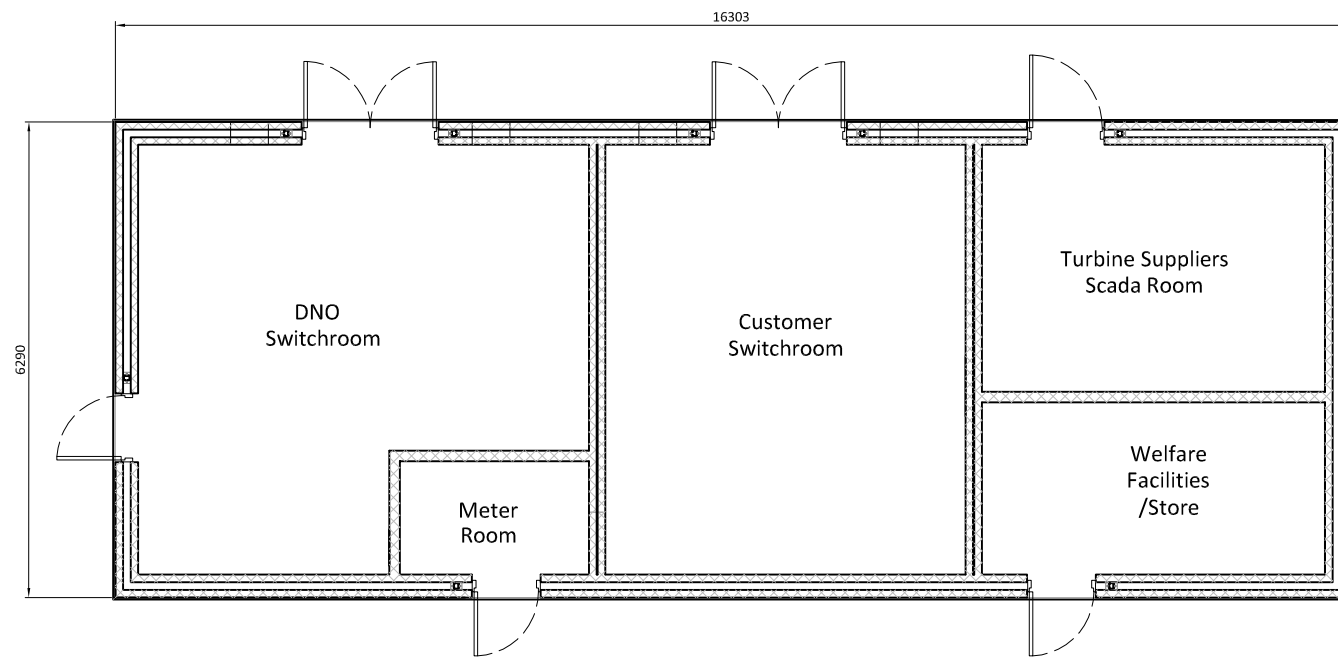
Scale @A3 1:500



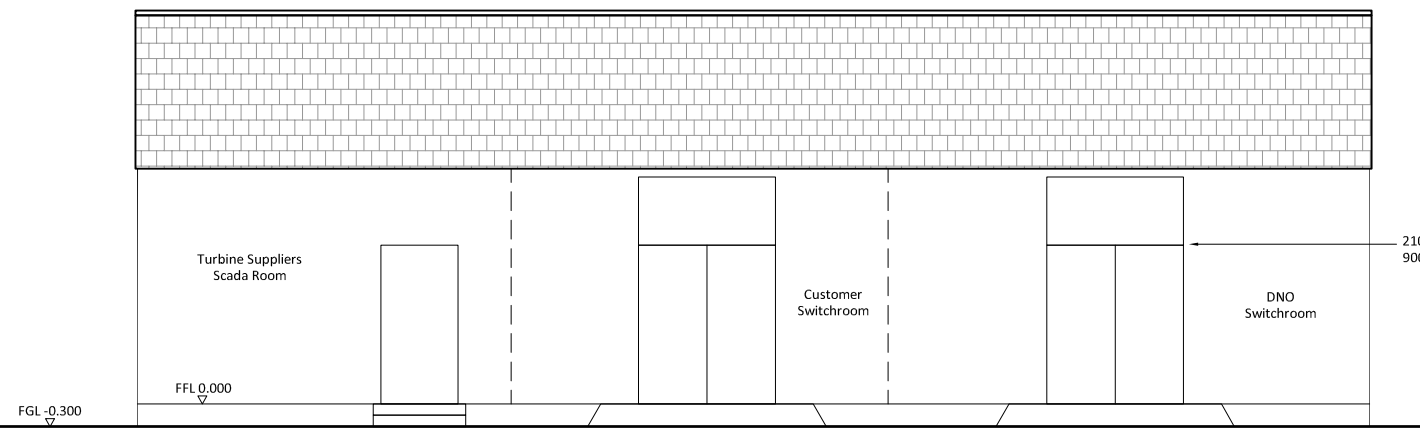
REV: -

A3

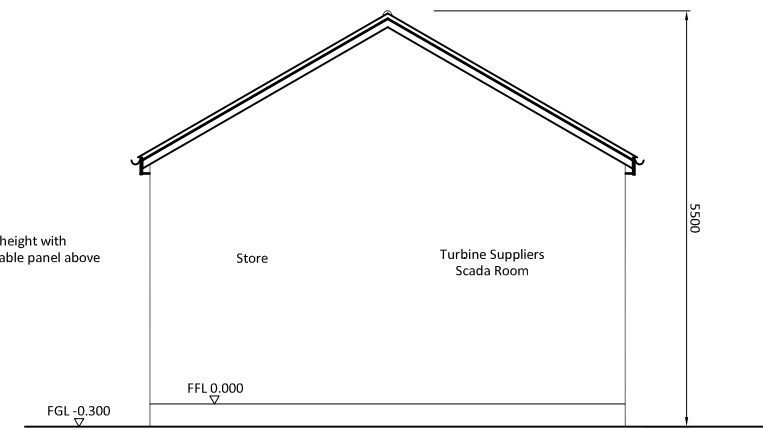
Figure : 4.6



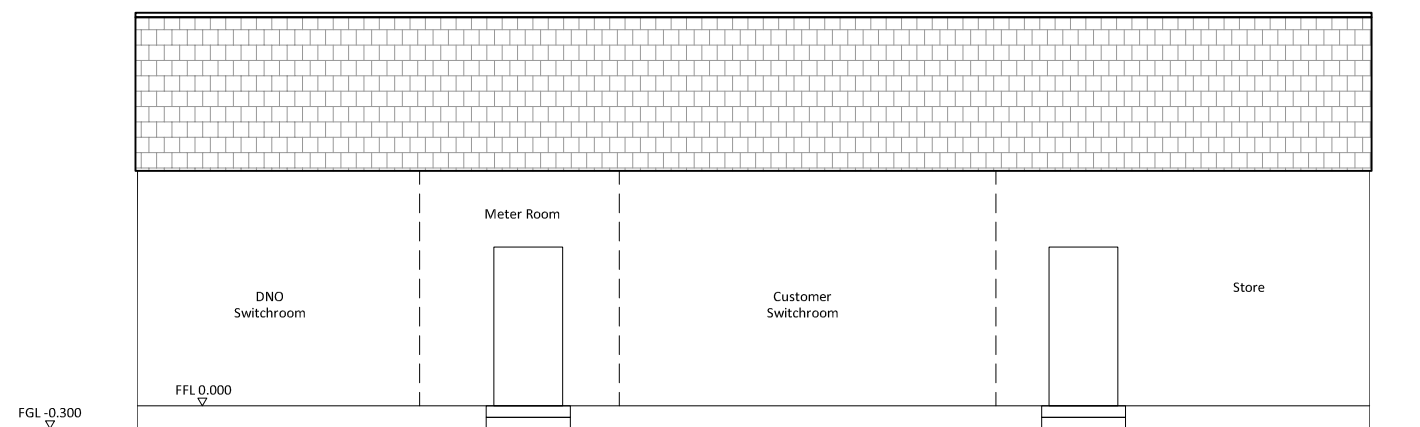
Plan
(Scale 1:100)



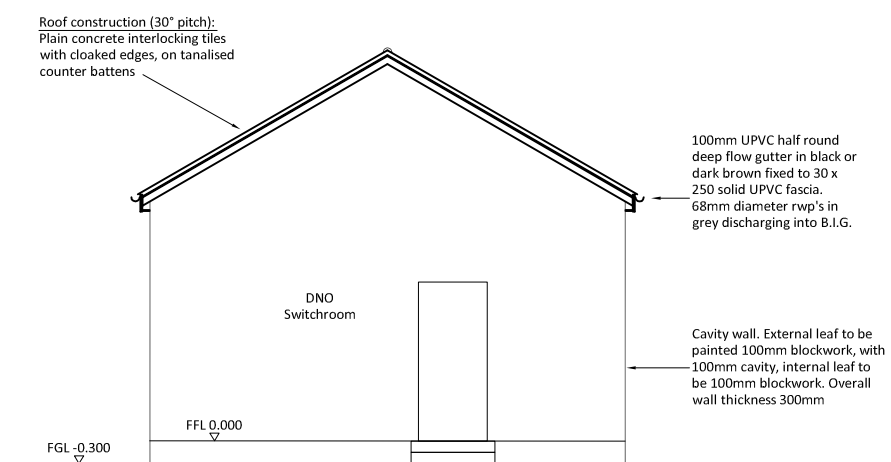
Front Elevation
(Scale 1:100)



Side Elevation
(Scale 1:100)



Rear Elevation
(Scale 1:100)



Side Elevation
(Scale 1:100)

Notes:

The roof will be finished in plain concrete tiles with cloaked edges. External walls to be finished in a render to be agreed with North Lanarkshire Council.

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Notes

1. Do not scale.
2. All dimensions are in millimetres.
3. Levels are m, above datum.
4. This drawing has been prepared in accordance with the scope of RPS's appointment with its client and is subject to the terms and conditions of that appointment. RPS accepts no liability for any use of this document other than by its client and only for the purposes for which it was prepared and provided.
5. If received electronically it is the recipient's responsibility to print to correct scale. Only written dimensions should be used.

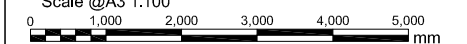
Project name: West Benhar Wind Farm

Title: Typical Control Building

Date: 23/05/2013

Drm: KAG **Appd:** RC

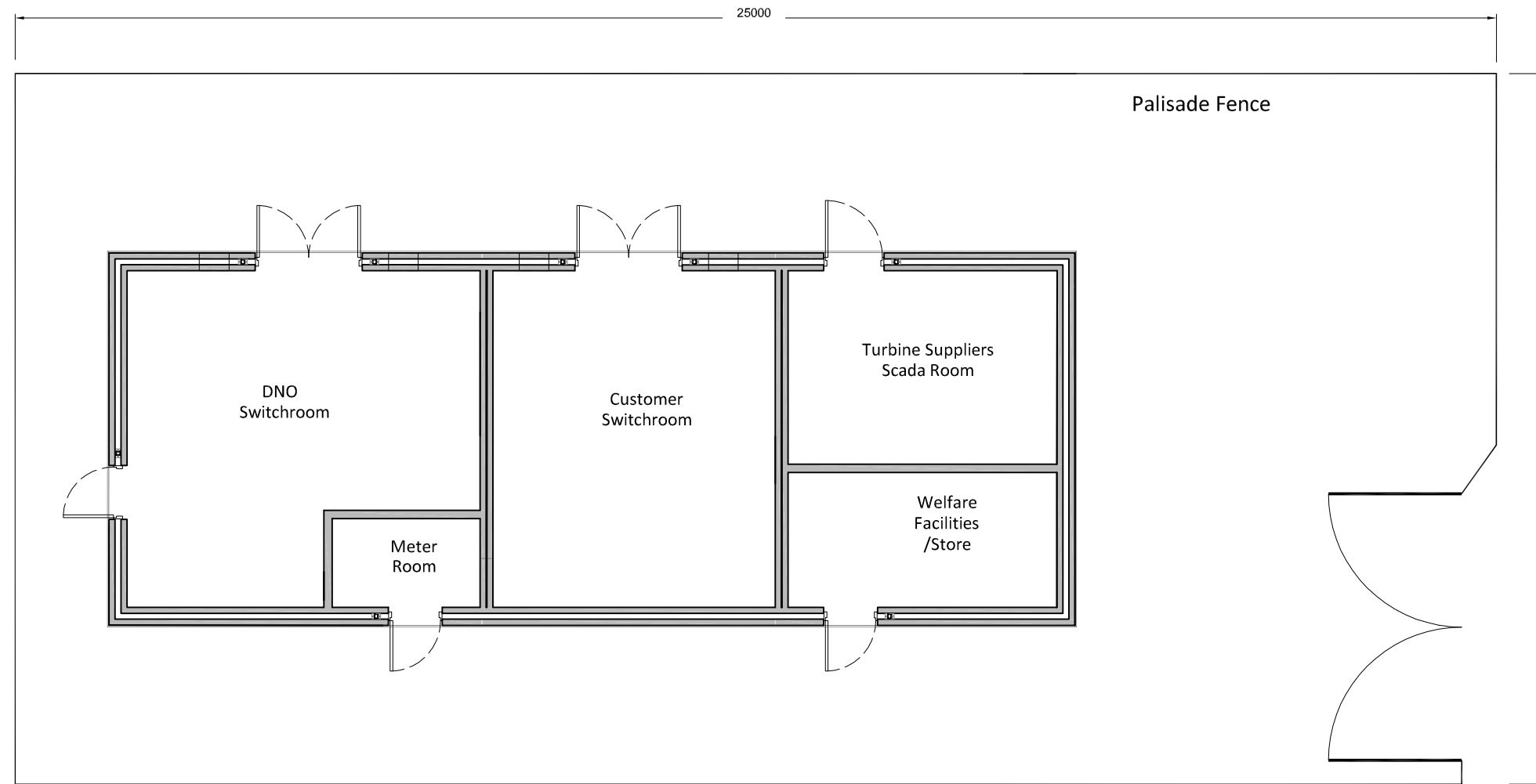
Scale @A3 1:100



REV: -

A3

Figure : 4.7



Typical Control Building Compound

(Scale 1:100)

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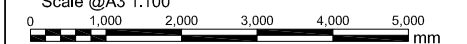
Project name: West Benhar Wind Farm

Title: Typical Control Building Compound

Date: 23/05/2013

Drn: KAG Appd: RC

Scale @A3 1:100

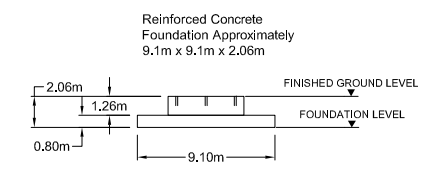
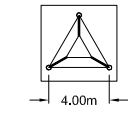
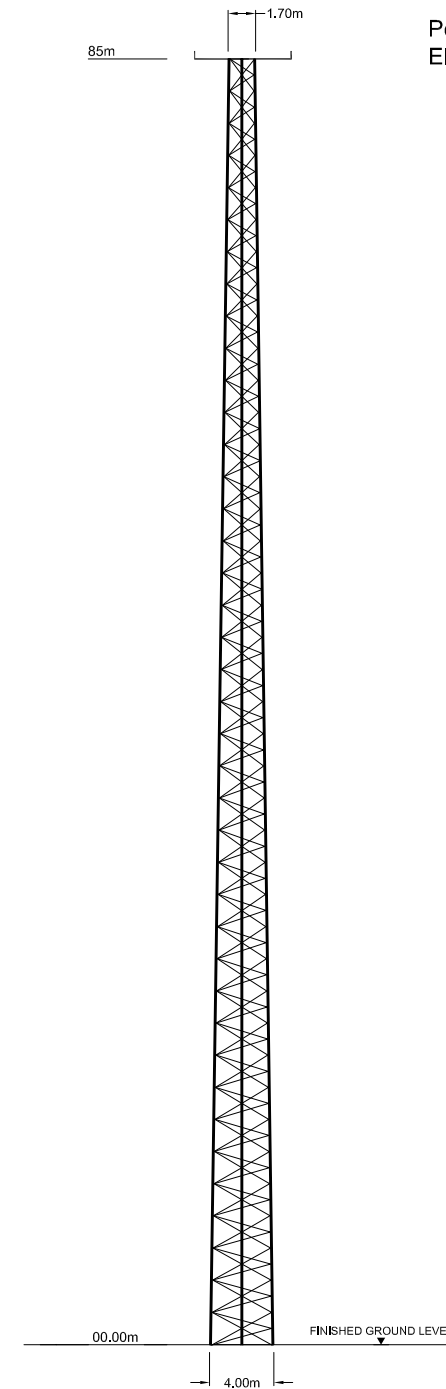


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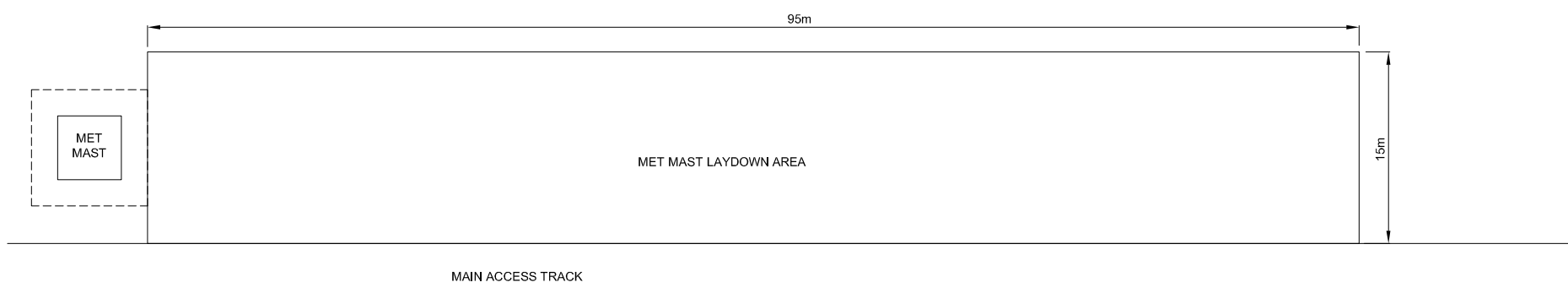
A3

Figure : 4.8

Permanent Meteorological Mast Elevation



Permanent Meteorological Mast Plan View



Notes:

All dimensions in metres unless otherwise stated.

Project name: West Benhar Wind Farm

Title: Typical Meteorological Mast and Laydown Area

Date: 23/05/2013

Created by: KAG

Scale @A3 1:500



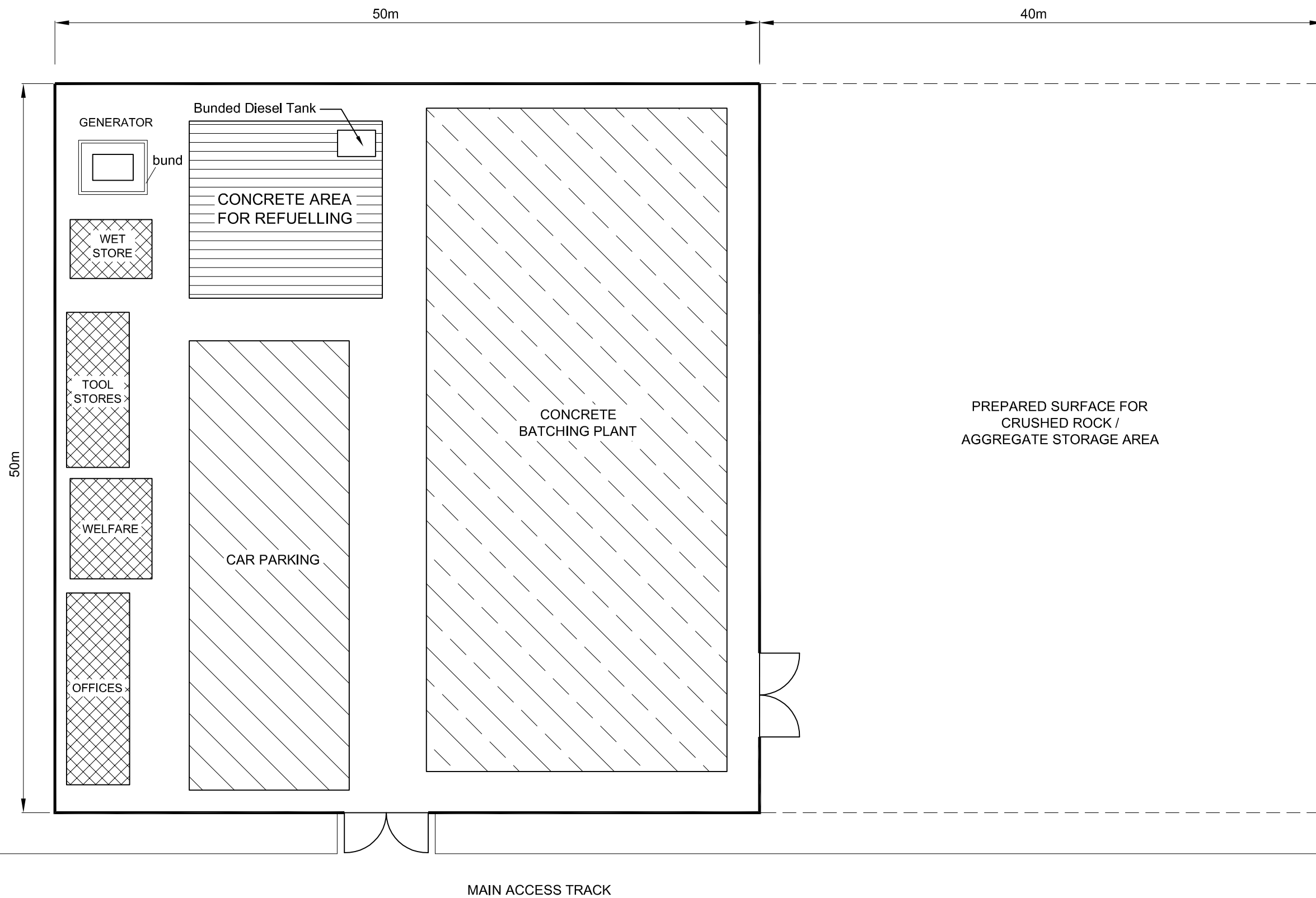
REV: -

A3

Figure : 4.9

Notes:

All dimensions in metres unless otherwise stated.



Project name: West Benhar Wind Farm

Title: Typical Layout of Temporary Construction Compound

Date: 23/05/2013

Created by: KAG

Scale @A3 1:300



REV: -

A3

Figure : 4.10