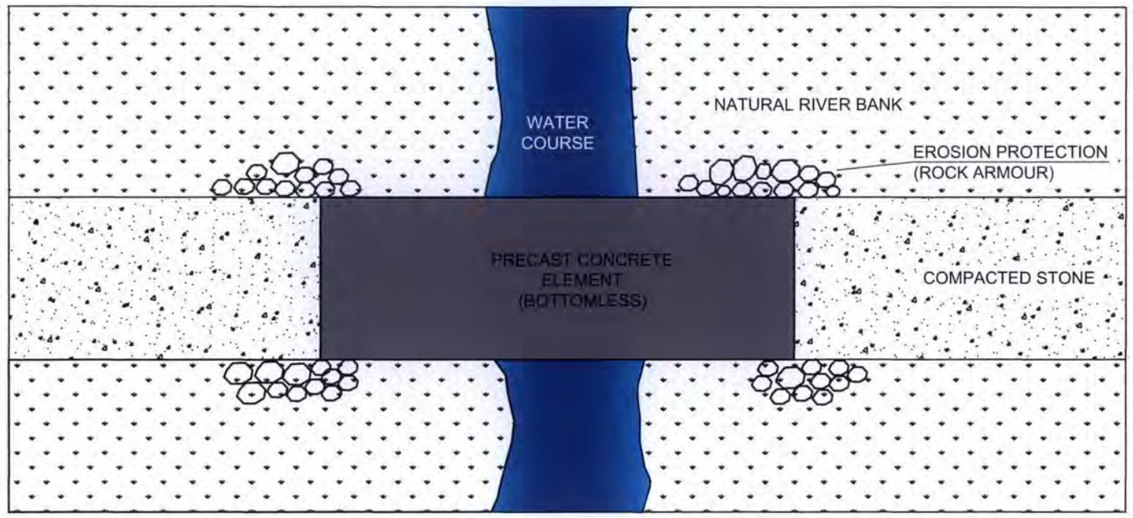
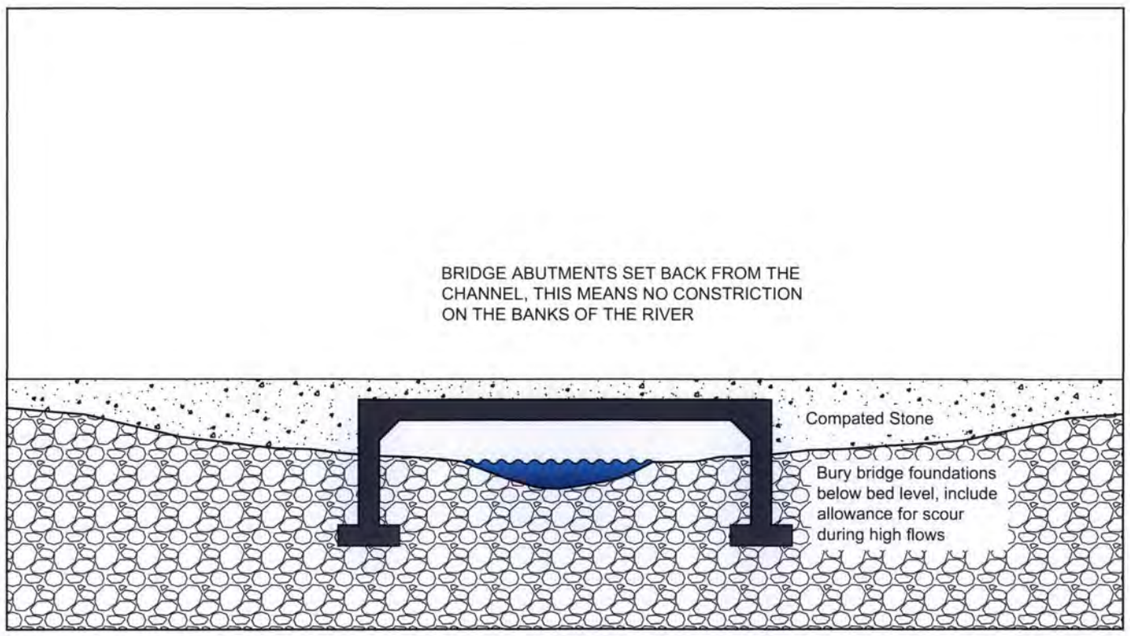


PLAN VIEW OF WATERCOURSE CROSSING



CROSS SECTION THROUGH WATERCOURSE CROSSING

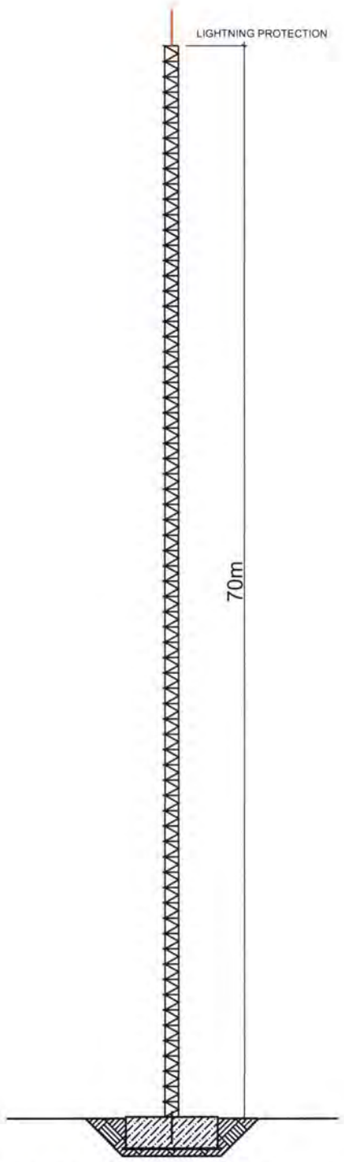
BASED ON SEPA 2012.
ENGINEERING IN THE WATER ENVIRONMENT: GOOD PRACTICE GUIDE. RIVER CROSSINGS

Beinn Mhor Wind Farm
Typical Watercourse Crossing

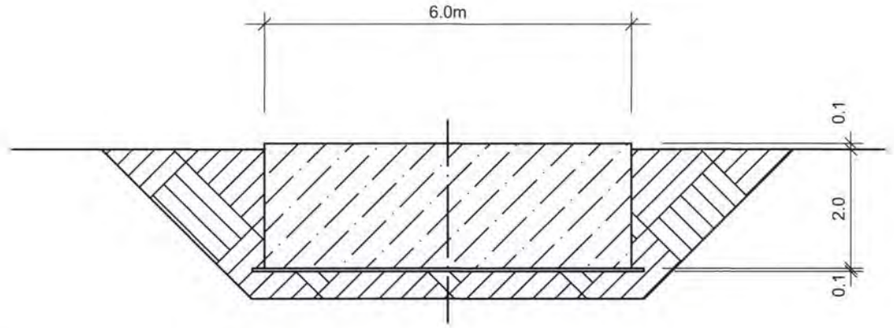
Drawn: PeCz

Date: 15.01.2013

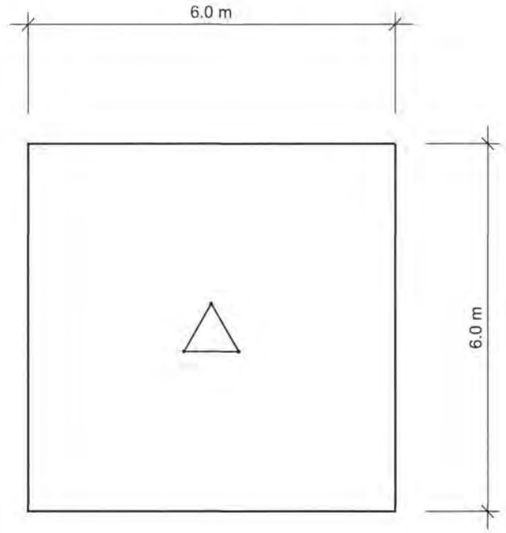
Ref No: S005_ENV_ECO_0015_D1



FREESTANDING LATTICE TOWER
WIND MONITORING MAST



FOUNDATION CROSS SECTION



FOUNDATION PLAN VIEW

Notes:

1. LATTICE MAST EQUIPPED WITH ANTI-CLIMB FENCE
2. LIGHNING PROTECTION TO MANUFACTURERS SPEZIFICATION
3. POWER SUPPLY VIA PHOTO - VOLTAIC SYSTEM
4. MAST EQUIPPED WITH 3 ANEMOMETERS, 2 WIND VANES,1 PRESSURE AND SENSOR, LOGGER BOX AND GPRS - ANTENNA

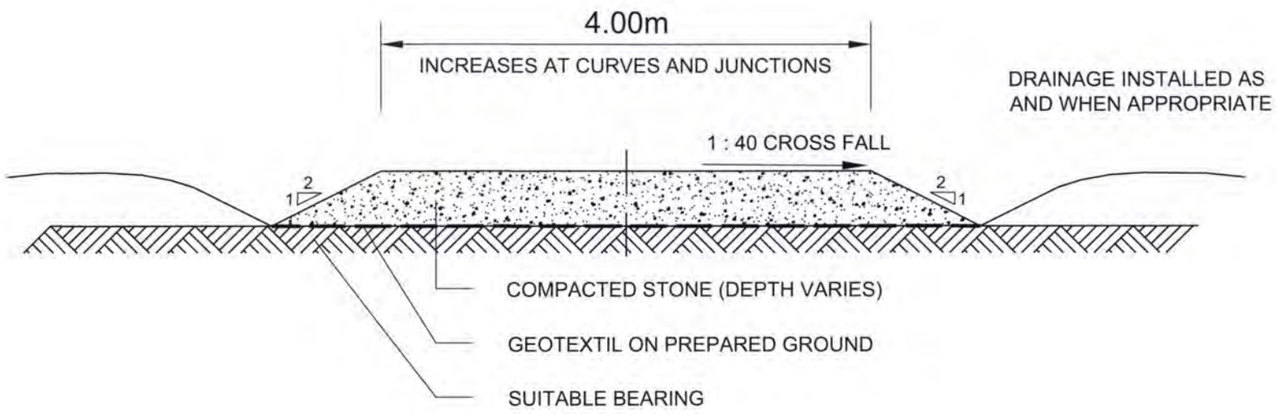
Beinn Mhor Wind Farm
Typical Permanent Meteorological Mast

Drawn: PeCz

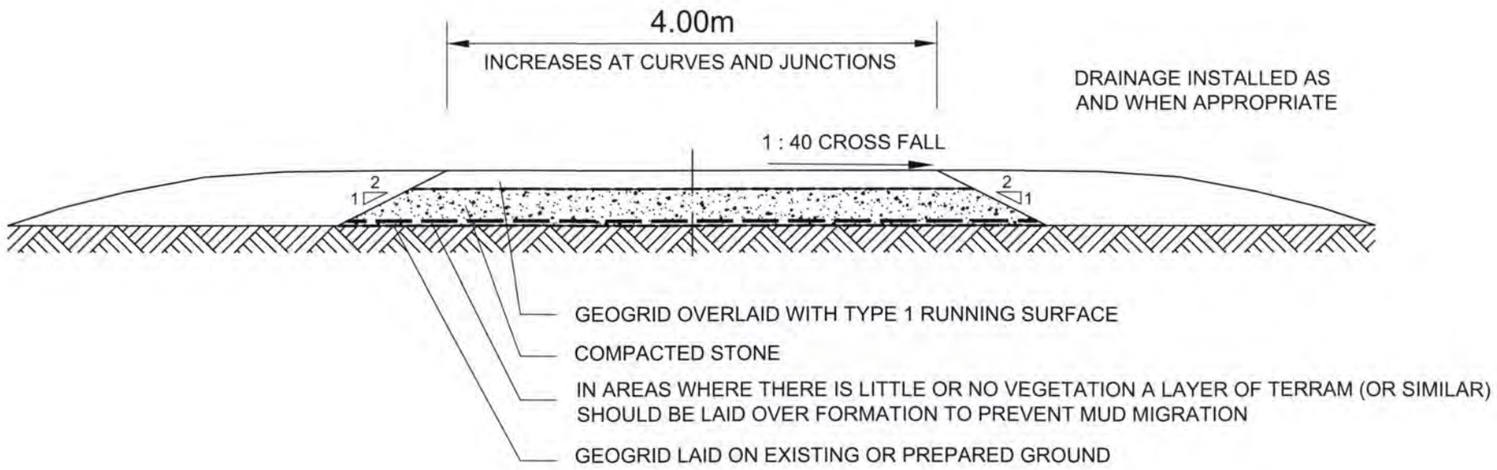
Date: 15.01.2013

Ref No: S005_ENV_ECO_0015_D1

PROPOSED CUT ROAD CONSTRUCTION



PROPOSED ROAD CONSTRUCTION OVER LOW BEARING SUBGRADE



NOTES:

ROAD WIDTH AT BENDS WILL INCREASE DEPENDANT ON DELIVERY VEHICLES

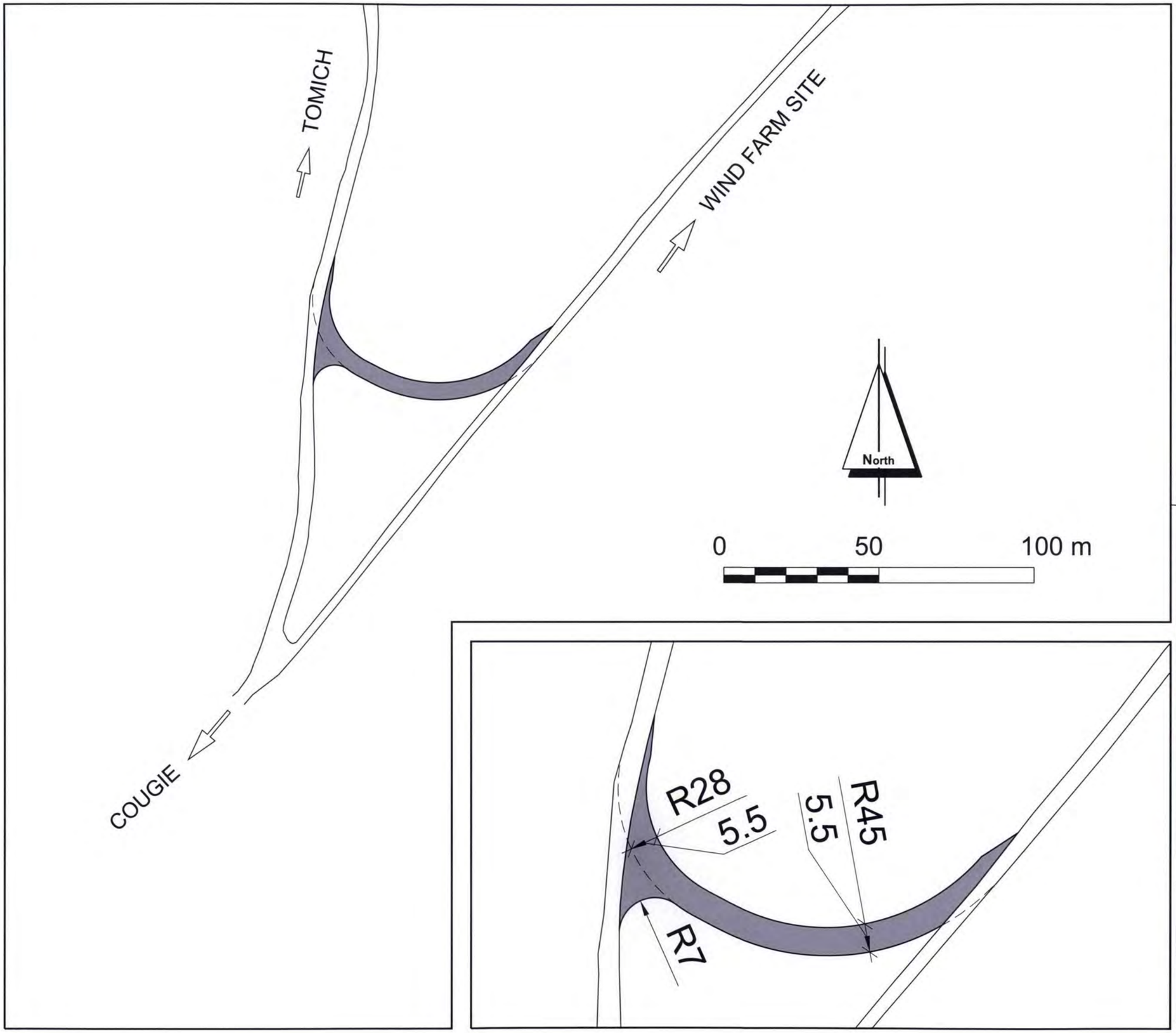
ASSUMED ROAD TYPE	TOTAL THICKNESS OF ROAD
CUT TRACK	up to 600 mm
CONSTRUCTION OVER LOW BEARING SUBGRADE	up to 800 mm

Beinn Mhor Wind Farm
Typical Access Road Design

Drawn: PeCz

Date: 15.01.2013

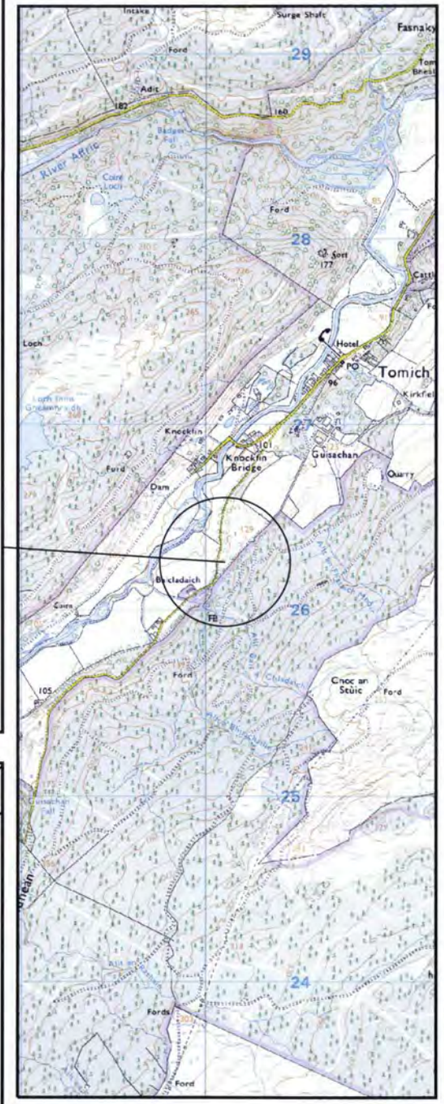
Ref No: S005_ENV_ECO_0015_D1



NOTES:

EXISTING ROADS

NEW SITE ACCESS

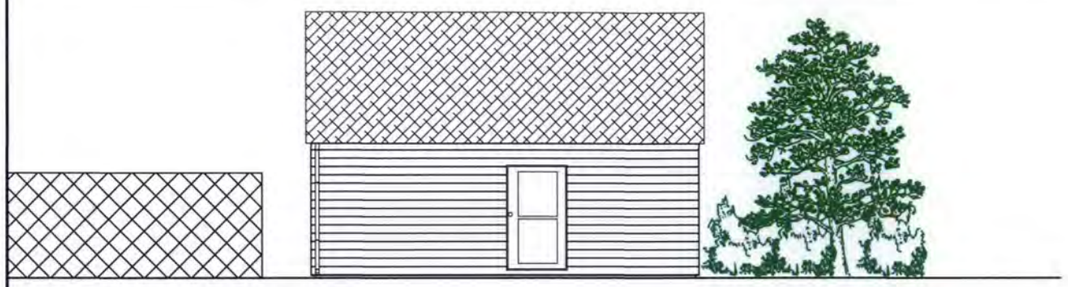


Beinn Mhor Wind Farm
Site Access Arrangements

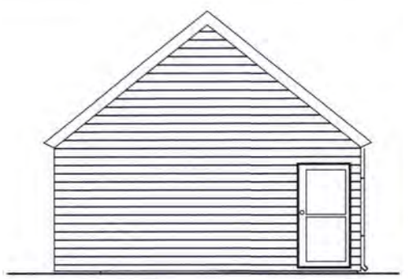
Drawn: PeCz
Date: 15.01.2013

Ref No: S005_ENV_ECO_0015_D1

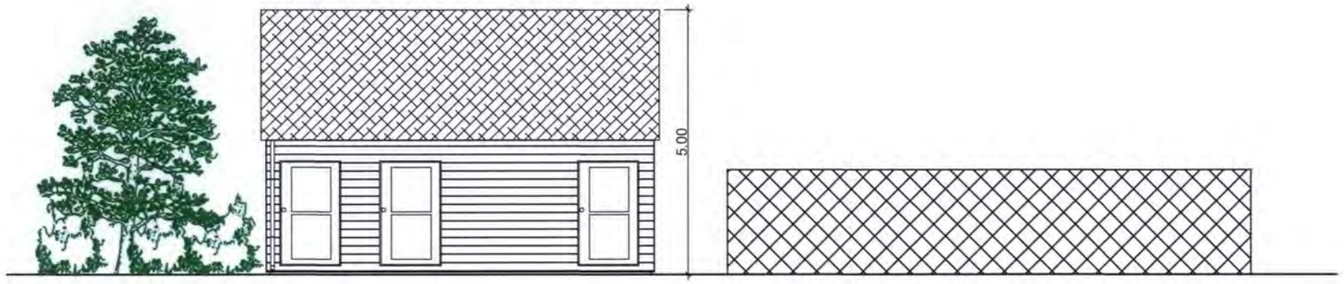
wpd think energy



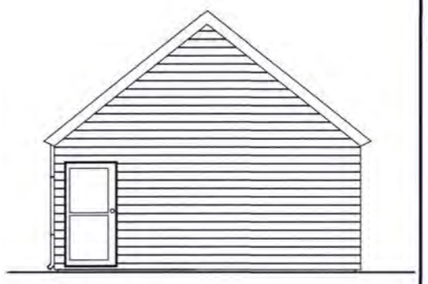
SIDE ELEVATION



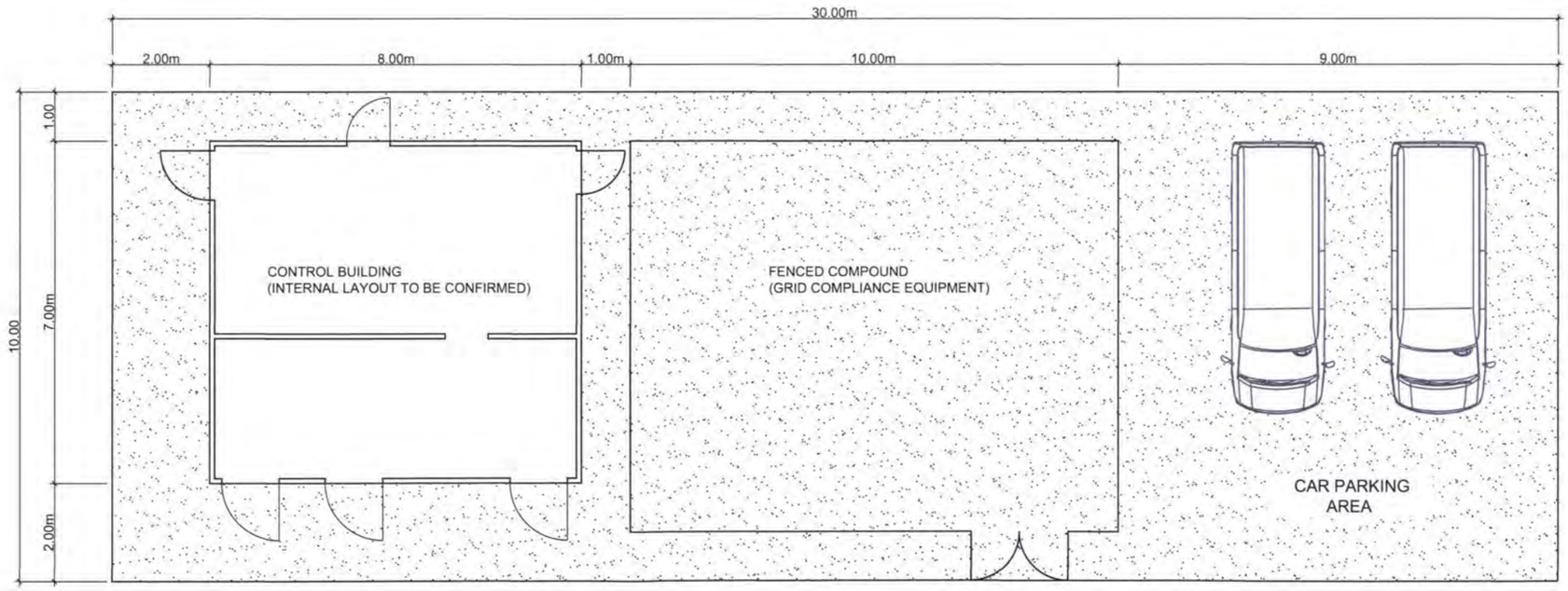
End Elevation



SIDE ELEVATION



End Elevation



NOTE:

1. POSITION OF DOORS, GATES AND INTERNAL WALLS ARE INDICATIVE ONLY.
   SUBJECT TO REQUIREMENT OF TURBINE SUPPLIER AND GRID COMPANY.
2. LOCAL BUILDING MATERIALS AND FINISHES ARE PROPOSED.
3. SEWAGE DISPOSAL TO BE IN ACCORDANCE WITH RELEVANT AGENCY REQUIREMENTS AND IN ACCORDANCE WITH BUILDING REGULATION

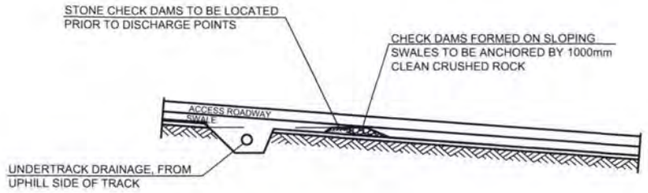
Beinn Mhor Wind Farm
On-Site Substation Area and Typical Control Building

Drawn: PeCz

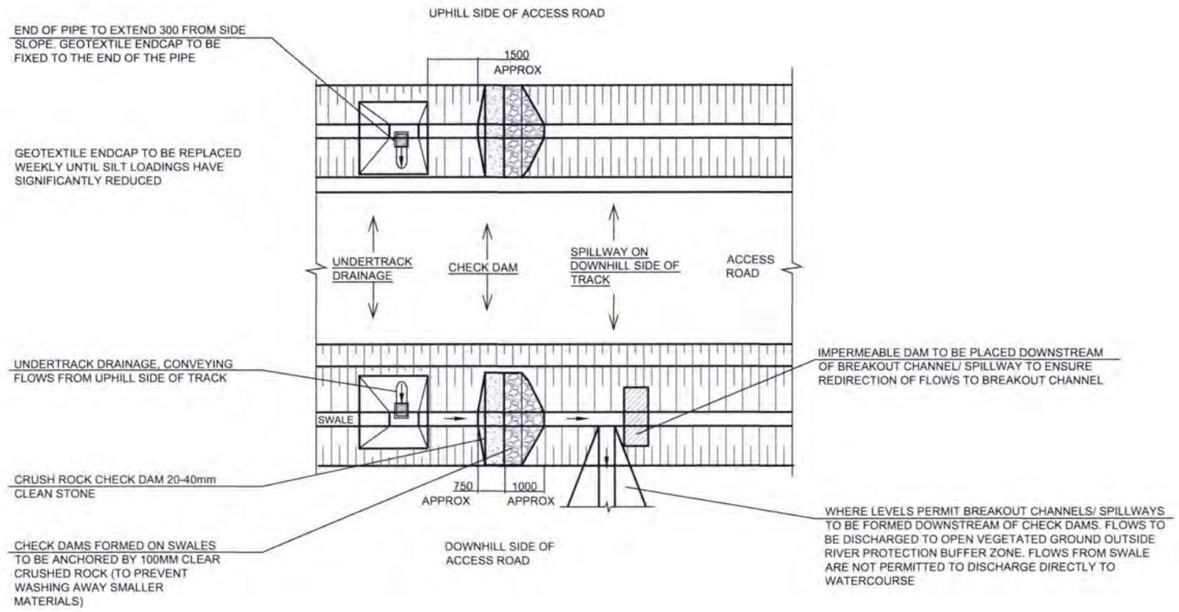
Date: 15.01.2013

Ref No: S005_ENV_ECO_0015_D1

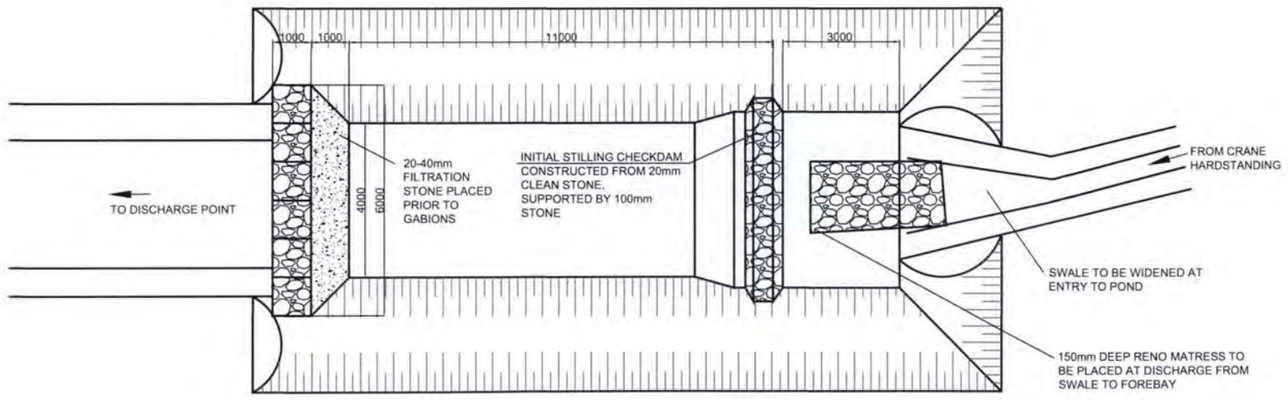
SECTION TYPICAL UNDERTRACK DRAINAGE SUMP ARRANGEMENT ON SLOPE SWALE



PLAN - TYPICAL UNDERTRACK DRAINAGE SUMP ARRANGEMENT WITH BREAK-OUT CHANNEL (PREFFERED ARRANGEMENT)



TYPICAL SETTLEMENT POND DETAIL-PLAN



NOTES:

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE

Beinn Mhor Wind Farm
Typical Sustainable Drainage System

Drawn: PeCz

Date: 15.01.2013

Ref No: S005_ENV_ECO_0015_D1