**Notes:**

1. Intercept drainage and SuDS measures to be constructed prior to access tracks.
2. Access tracks design and construction to Engineer's Specification.
3. Check dams will be installed within drainage ditches located within the proposed development site boundary. Check dams will be keyed 200mm into the drain. Well graded stone will be used to complete the check dam to a height of 500 to 750 mm above the invert of the swale/drain. Aggregate size for stone check dams will be between 10-40mm clean stone.
4. Frequency of check dams to increase where slope is >2%. An area of 1.2m downstream will be protected to dissipate energy from the dam using geotextile and 100mm stone.
5. Regular cross drains / discharge to field ditches will be required to transfer / discharge surface water in interceptor drains to suitable field drain outfall points. Locations of cross drains to be agreed with the Engineer on site. Surface water will not be allowed to discharge directly into existing watercourses.
6. Swales to have a side slope of between 1 : 1 to 1 : 3 depending upon depth of swale/ditch and soil type. Swales will be re-vegetated with local species.
7. Drainage swales / ditches to be excavated adjacent to the access tracks. Regular cross drains to be located along access tracks to prevent excessive volumes of water collecting in the swales.
8. Settlement ponds to be constructed for silt removal at turbine bases, PDAs, substation and borrow pits. Pond sizes depends on catchment area served.
9. Interim measures such as the placement of straw bales/silt fencing/or similar approved method or additional check dams and silt fences.
10. Siltbuster to be available on-site for use as required at borrow pit, substation or turbine bases.
11. Silt fences to be used also around spoil to mitigate silt runoff. silt fences may be removed when suitable vegetation cover is established

PROPOSED TURBINE LOCATION
(Refer to Drg. No: 10889-2032 for details)

T10

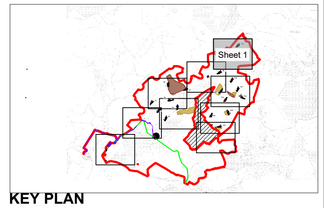
T9

Lough Naforra

5849.87

**GENERAL LEGEND**

- APPLICATION BOUNDARY
- PROPOSED ACCESS TRACK
- PROPOSED TURBINE HARDSTAND
- PROPOSED TURBINE LOCATION
- PROPOSED AMENITY TRACK
- PROPOSED MET MAST
- POTENTIAL BORROW PIT
- CONTRACTOR'S COMPOUND
- PROPOSED SUBSTATION
- PROPOSED VISITORS CENTRE
- PROPOSED STORAGE AREA
- PROPOSED GRID CONNECTION ROUTE
- PROPOSED SURFACE WATER DRAINAGE
- SURFACE WATER SETTLEMENT POND
- DRAINAGE CHANNELS
- INTERCEPTOR DITCH
- PROPOSED DRAINAGE POND




**KEY PLAN**

NOTES:

1. DRAWINGS FOR PLANNING PURPOSES ONLY.
2. FIGURED DIMENSIONS ONLY TO BE TAKEN FROM THIS DRAWING.
3. GRID REFERENCES TO IRISH NATIONAL GRID.
4. ALL LEVELS SHOWN RELATE TO ORDNANCE SURVEY DATUM AT MALIN HEAD

**Co. Mayo**

OSI 1:5,000 Sheet No's: 1175, 1176, 1177, 1241, 1242, 1243, 1310, 1311, 1312 & 1380.



50m 0 50m 100m 150m

| Rev | Date | Description | By | Chkd. |
|---|---|---|---|---|
| A | 23.03.23 | PLANNING ISSUE | EB | JD |

Client: Bord na Móna

Project:
OWENINNY
WIND FARM PHASE 3

Title:
DRAINAGE LAYOUT
- Sheet 1 Of 9 -

Scale @ A1: 1:2,500

Prepared by: E. Beggs | Checked: M. Nolan | Date: March 23

Project Director: B. Gallagher

Drawing Status: Planning

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Drawing No.: 10889-2039

Revision: A