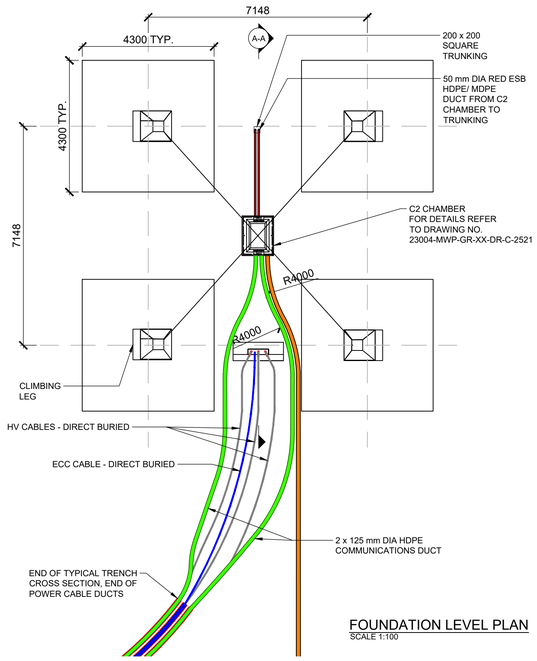
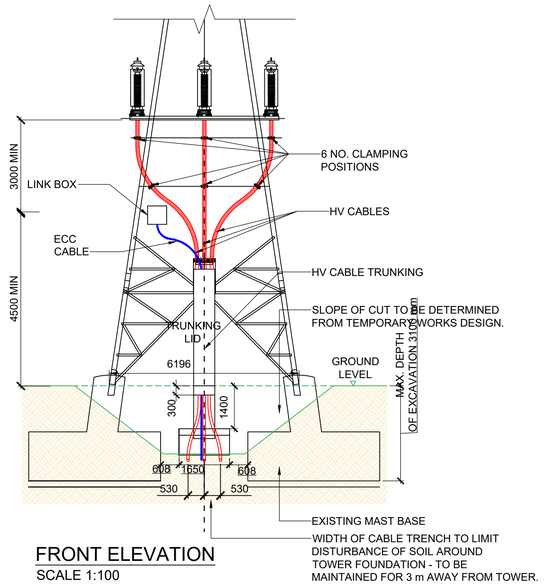


FOUNDATION LEVEL PLAN
SCALE 1:100

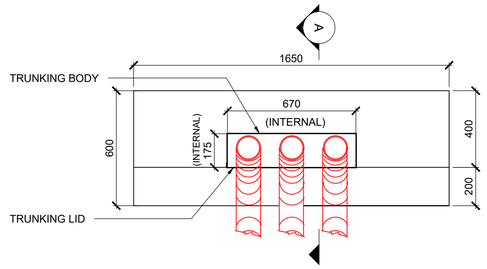


FRONT ELEVATION
SCALE 1:100

NOTE

TEMPORARY WORKS DESIGN CERTIFICATE
REQUIREMENTS FOR CABLE ROUTE:

ALL TEMPORARY WORKS ARE THE RESPONSIBILITY OF THE CONTRACTOR. HE SHALL PROCURE A TWDC AS REQUIRED BASED ON HIS PROPOSED WORKS METHODOLOGY. ON THE ASSUMPTION THAT BATTERING OF EXCAVATIONS WILL NOT OCCUR THEN A TWDC WILL BE REQUIRED FOR ALL TRENCH EXCAVATIONS. TWDCS WILL ALSO BE REQUIRED FOR THE USE OF TRENCH BOXES.



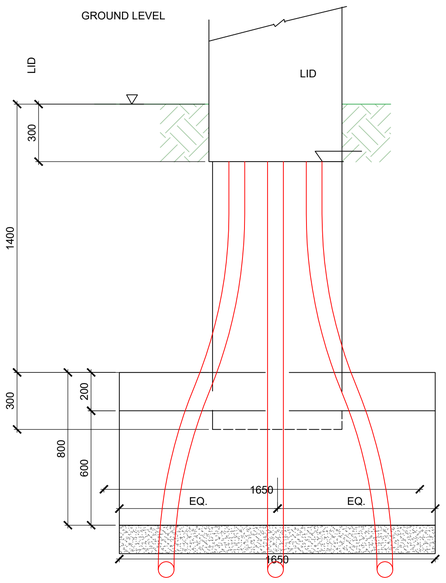
MINIMUM VOLUME OF CONCRETE = 0.46m

PLAN
SCALE 1:16

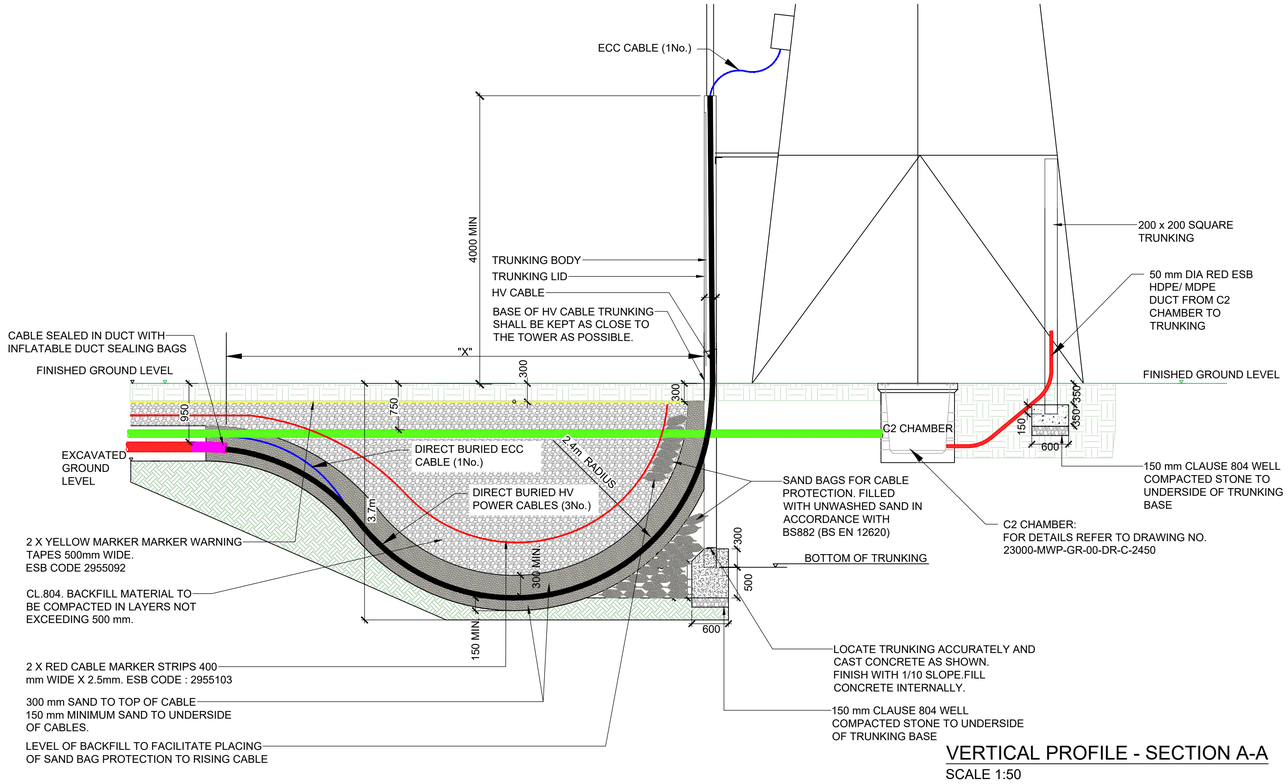
NOTES:

1. REFER TO CABLE FUNCTIONAL SPECIFICATION CDS-GFS-00-001 FOR THERMAL AND GRADING REQUIREMENT FOR THE SAND. THERMAL SAND DETAILS TO BE REVIEWED BY EIRGRID.
2. TEMPORARY WORKS:
   - ANY ENTITY CARRYING OUT EXCAVATION IS RESPONSIBLE FOR ENSURING ADEQUATE PRECAUTIONS ARE TAKEN TO GUARD AGAINST DISLODGEMENT OR COLLAPSE AND MUST, BY LAW, CARRY OUT A RISK ASSESSMENT FOR THAT EXCAVATION. THE RISK ASSESSMENT SHALL DETERMINE THE NECESSARY CONTROLS TO ENSURE THE SAFETY OF THE EXCAVATION.

   - IN ORDER TO ESTABLISH GROUND AND GROUND WATER CONDITIONS AND TO ALLOW INSPECTION, A TRIAL PIT IS TO BE EXCAVATED (WITHIN THE FOOT PRINT OF THE CABLE EXCAVATION) AND LEFT OPEN OVERNIGHT. THE DEPTH OF THE TRIAL PIT SHOULD MATCH THE DEPTH OF THE CABLE EXCAVATION. IN THE EVENT OF SIDE WALL FAILURE, A GEOTECHNICAL ENGINEER SHOULD BE CONSULTED. ALTERNATIVELY, TOWER FOUNDATION RECORDS TO BE INSPECTED FOR GROUND CONDITIONS.
3. OPEN CABLE EXCAVATION TO BE PROTECTED FROM GROUND WATER INGRESS AND FROM WATER INGRESS VIE. OVERLAND FLOW INTO THE EXCAVATION. RISK OF OVERLAID FLOW ENTERING THE EXCAVATION IS HIGH WHEN SURROUNDING GROUND SLOPES TOWARDS THE EXCAVATION.
4. TOP SOIL TO BE STRIPPED PRIOR TO EXCAVATION & REPLACED AS LAST LAYER OF BACK FILLING.
5. PRIOR TO PLACING OF CONCRETE THE EXCAVATION SHALL BE CLEAR OF ALL SURPLUS MATERIAL AND DEBRIS. ALL CONCRETE SURFACES AT JOINTS SHALL BE WIRE BRUSHED TO REMOVE ANY LOOSE MATERIAL BEFORE POURING OF NEW CONCRETE.
6. ANY WATER IN THE EXCAVATION SHALL BE REMOVED BEFORE NEW CONCRETE IS PLACED.
7. SUB BASE MAY BE CONCRETE OR, WHERE AGREED, GRADED GRANULAR MATERIAL.
8. THE CONCRETE SHALL HAVE A MINIMUM CHARACTERISTIC CUBE STRENGTH OF 35 NM/mm.
9. ALL CONCRETE SHALL BE WELL VIBRATED INTO PLACE.
10. ALL BACKFILL SHOULD BE WELL COMPACTED IN LAYERS OF NO MORE THAT 500mm.
11. THE INSTALLATION OR REMOVAL OF TEMPORARY WORKS MUST NOT DAMAGE OR DISTURB THE FOUNDATION.
12. ALL EXPOSED CORNERS TO HAVE A 25mm CHAMFER.
13. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE.



FRONT ELEVATION
SCALE 1:16



VERTICAL PROFILE - SECTION A-A
SCALE 1:50

REV	DATE	DESCRIPTION	BY	APP
P03	12/02/24	FOR INFORMATION	SS	DC
P02	06-11-23	FOR APPROVAL	BK	IB
P01	19-07-23	FOR APPROVAL	BK	IB

PROJECT:
KNOCKANARRAGH WIND FARM

TITLE:
110KV INTERFACE MAST
TYPICAL DETAILS

CLIENT:
KNOCKANARRAGH WIND FARM LTD.

MWP
ENGINEERING AND ENVIRONMENTAL CONSULTANTS
CORK | TRALEE | LONDON | LIMERICK
mwp.ie

DRAWN:	CHECKED:	APPROVED:
SM	BK	IB
PROJECT NUMBER: 314271	DATE: NOV-23	SCALE @ A1: AS SHOWN
STATUS DESCRIPTION: FOR INFORMATION		STATUS: S2

DRAWING NUMBER: ABP-314271-22-MWP-011
REV: P03