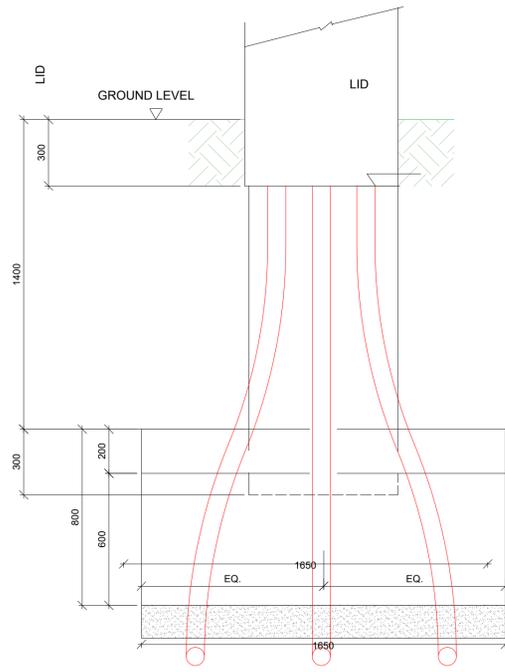
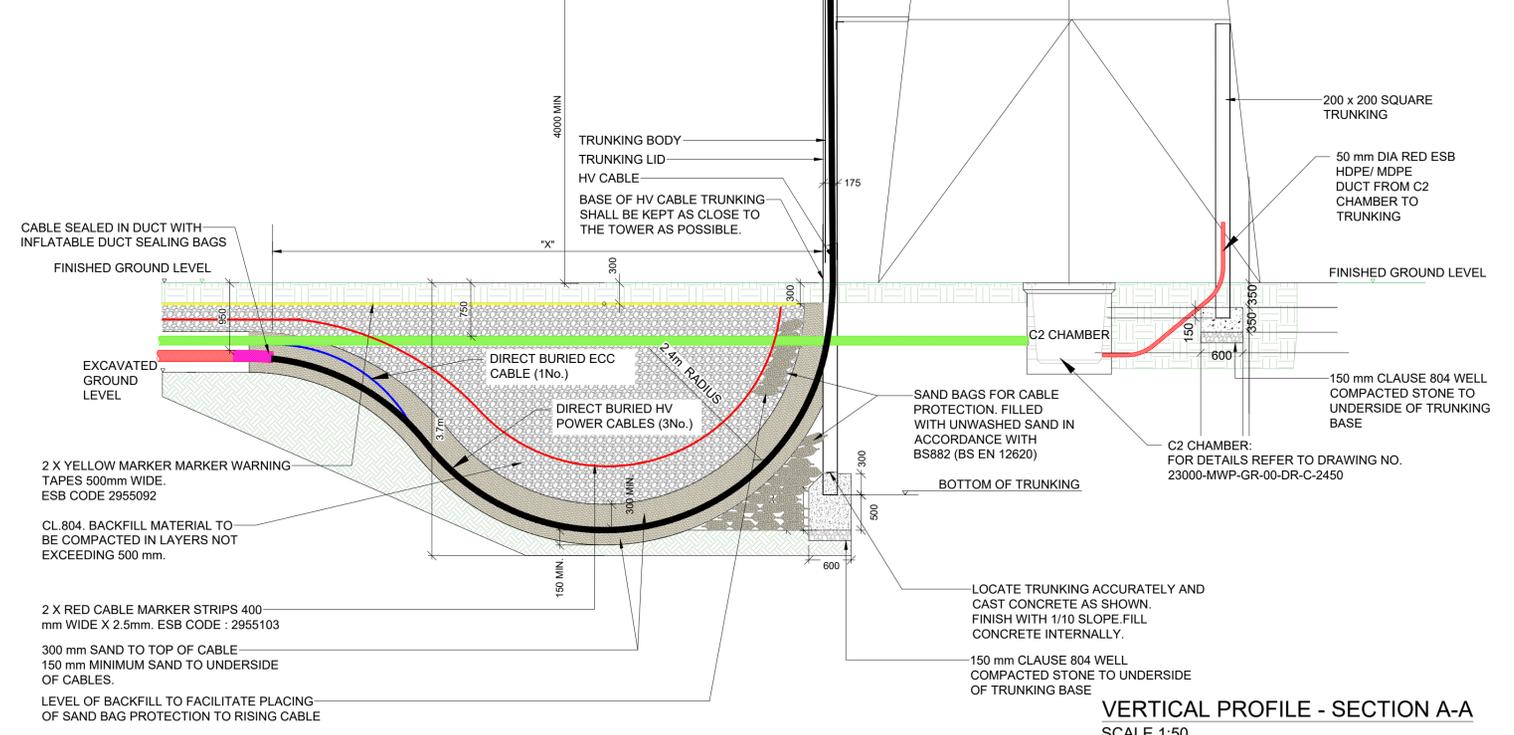


**NOTE**  
**TEMPORARY WORKS DESIGN CERTIFICATE REQUIREMENTS FOR CABLE ROUTE:**  
 ALL TEMPORARY WORKS ARE THE RESPONSIBILITY OF THE CONTRACTOR. HE SHALL PROCURE A TWDC AS REQUIRED BASED ON HIS PROPOSED WORKS METHODOLOGY. ON THE ASSUMPTION THAT BATTERING OF EXCAVATIONS WILL NOT OCCUR THEN A TWDC WILL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

- NOTES:**
- 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.
  - TEMPORARY WORKS:
    - ANY ENTITY CARRYING OUT EXCAVATION IS RESPONSIBLE FOR ENSURING ADEQUATE PRECAUTIONS ARE TAKEN TO GUARD AGAINST DISLODGE/MENT 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.
  - 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.
  - TOP SOIL TO BE STRIPPED PRIOR TO EXCAVATION & REPLACED AS LAST LAYER OF BACK FILLING.
  - 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.
  - ANY WATER IN THE EXCAVATION SHALL BE REMOVED BEFORE NEW CONCRETE IS PLACED.
  - SUB BASE MAY BE CONCRETE OR, WHERE AGREED, GRADED GRANULAR MATERIAL.
  - THE CONCRETE SHALL HAVE A MINIMUM CHARACTERISTIC CUBE STRENGTH OF 35 N/mm².
  - ALL CONCRETE SHALL BE WELL VIBRATED INTO PLACE.
  - ALL BACKFILL SHOULD BE WELL COMPACTED IN LAYERS OF NO MORE THAN 500mm.
  - THE INSTALLATION OR REMOVAL OF TEMPORARY WORKS MUST NOT DAMAGE OR DISTURB THE FOUNDATION.
  - ALL EXPOSED CORNERS TO HAVE A 25mm CHAMFER.
  - ALL DIMENSIONS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE.



EXISTING MAST BASE  
 WIDTH OF CABLE TRENCH TO LIMIT DISTURBANCE OF SOIL AROUND TOWER FOUNDATION - TO BE MAINTAINED FOR 3m AWAY FROM TOWER.



**VERTICAL PROFILE - SECTION A-A**  
 SCALE 1:50

P02 03.09.2024	ISSUED FOR INFORMATION	S.S.	I.B.
P01 13.05.2024	ISSUED FOR INFORMATION	D.C.	I.B.
REV	DATE	DESCRIPTION	BY APP
PROJECT: DREHID SUBSTATION			
TITLE: 110KV INTERFACE MAST TYPICAL DETAILS			
CLIENT: NORTH KILDARE WF LTD.			
 ENGINEERING AND ENVIRONMENTAL CONSULTANTS CORK   TRALEE   LONDON   LIMERICK mwp.ie			
DRAWN: DN	CHECKED: DC	APPROVED: IB	
PROJECT NUMBER: 23727	DATE: MAY 2024	SCALE @ A1: AS SHOWN	
STATUS DESCRIPTION: FOR INFORMATION		STATUS: S2	
DRAWING NUMBER: 23727 - MWP -GR-00-DR-C-2561	REV: P02		