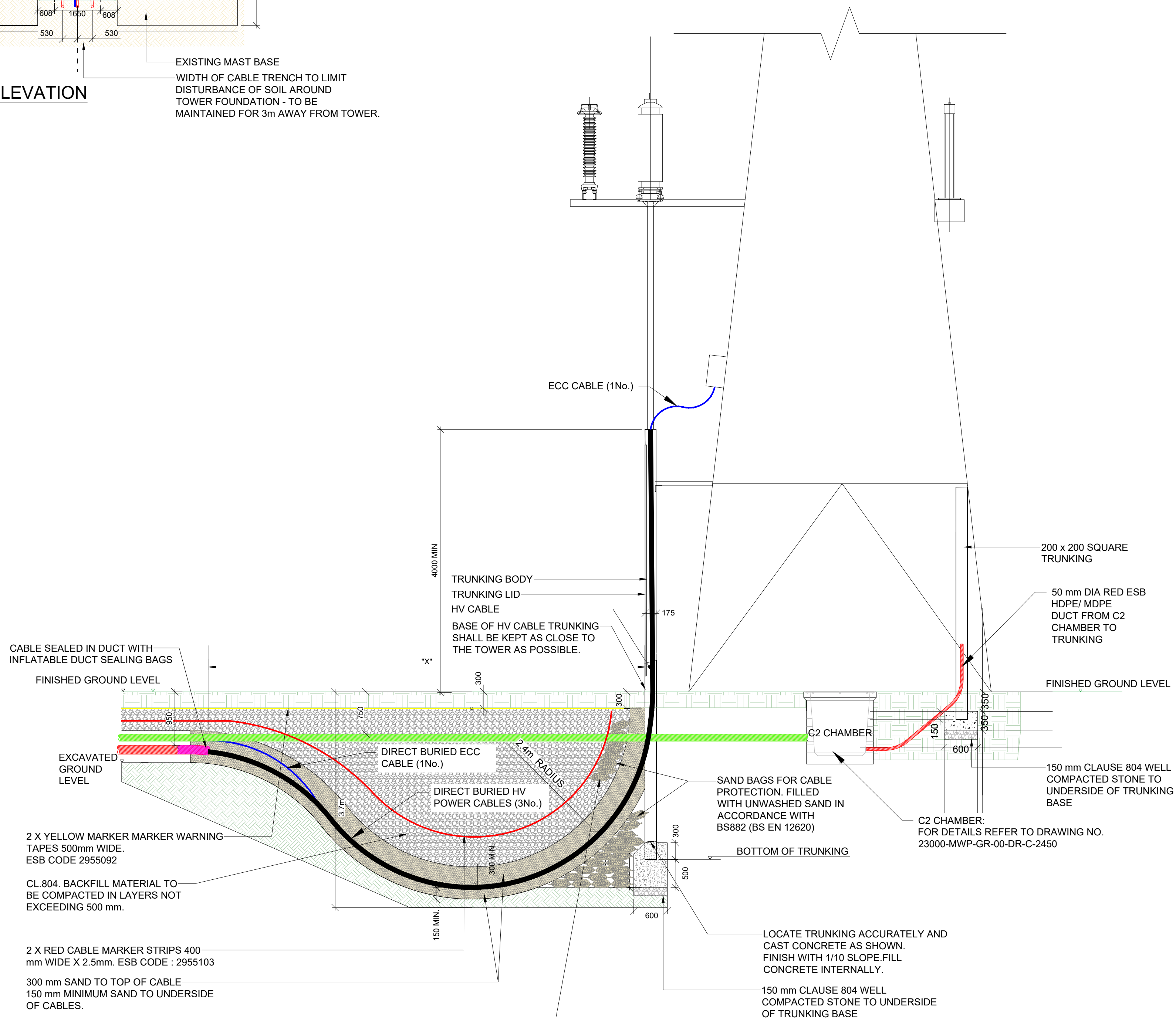


— WIDTH OF CABLE TRENCH TO LIMIT
DISTURBANCE OF SOIL AROUND
TOWER FOUNDATION - TO BE
MAINTAINED FOR 3m AWAY FROM TOWER.

Technical drawing of a rectangular manhole structure. The drawing shows a plan view of the structure with dimensions in millimeters (mm). The overall width is 1650 mm and the overall height is 600 mm. The structure consists of a TRUNKING BODY (top) and a TRUNKING LID (bottom). The internal width is 670 mm and the internal height is 175 mm. Three vertical pipes are shown, each with a diameter of 175 mm. A circular symbol with a triangle inside is located at the top right corner. The text "MINIMUM VOLUME OF CONCRETE = 0.46m" is written at the bottom.

NOTES:

1. REFER TO CABLE FUNCTIONAL SPECIFICATION DCS-GFS-00-001 FOR THERMAL AND GRADING REQUIREMENT FOR THE SAND. THERMAL SAND DETAILS TO BE REVIEWED BY SURGRD.
2. TEMPORARY WORKS:
 - a. 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.
 - b. 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 INGRESSIVE FLOW OVERLAND FLOW INTO THE EXCAVATION. RISK OF OVERLAND 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 N/mm².
9. ALL CONCRETE SHALL BE WELL VIBRATED INTO PLACE.
10. ALL BACKFILL SHOULD BE WELL COMPACTED IN LAYERS OF NO MORE THAN 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.



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.



DRAWN: DN	CHECKED: DC	APPROVED: IB
PROJECT NUMBER: 23727	DATE: MAY 2024	SCALE @ A1: AS SHOWN

DRAWING NUMBER:	REV:
23727 - MWP -GR- 00 -DR-C- 2561	P02