

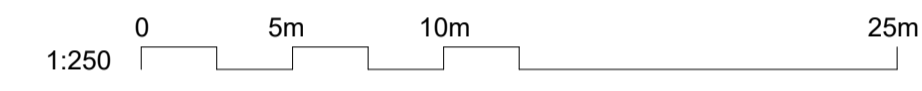


- Notes
1. For planning purposes only. Not for construction.
 2. All dimensions are in metres unless otherwise noted.
 3. Where levels are shown, all levels are in metres above Malin Head datum
 4. Lightning protection was designed to LPL IV as per IS EN 62305.
 5. Specific detail & design of layout of equipment and apparatus to be agreed with ESB Networks as Transmission System Owner.

Key to symbols

	New Equipment
	Existing Equipment

Ref	Equipment Description
01	220kV Surge Arrestor
02	220kV Voltage Transformer
03	220kV Current Transformer
04	220kV Line/Earth Disconnector
05	220kV Circuit Breaker
06	220kV Post Insulator
07	220kV Disconnector
08	400kV Surge Arrestor
09	400kV Current Transformer
10	400kV Circuit Breaker
11	400kV Voltage Transformer
12	400kV Line/Earth Disconnector
13	400kV Cable Sealing End
14	400kV Post Insulator
15	20m Lightning Mast
16	400 / 220 kV Power Transformer
17	Control and Protection Cabin
18	Lighting Monopole



Reference drawings

229100428-MMD-00-XX-DR-E-1100	Site Location Plan - Key Plan
229100428-MMD-00-XX-DR-E-5030	Knockraha Substation
229100428-MMD-00-XX-DR-E-5040	400kV Transformer Bay - Site Layout
	Knockraha Substation - Detail Sheet

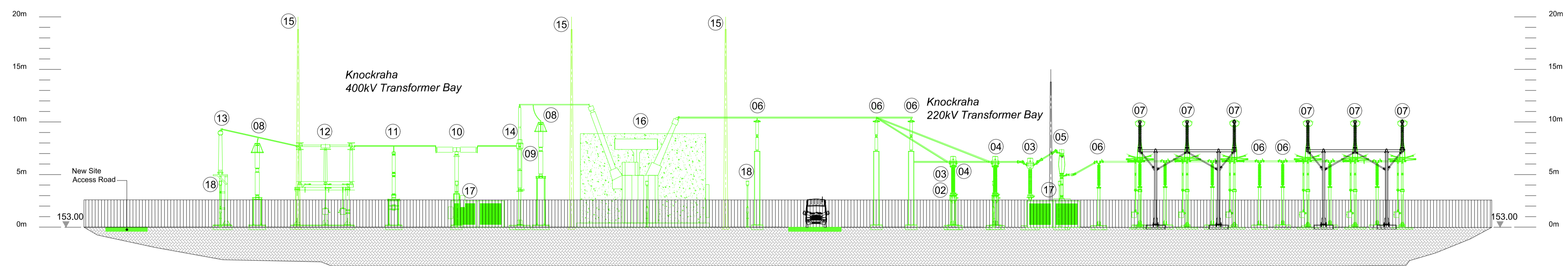
PL1	25/06/2021	SHY	Issued for Planning	DH	TK
Rev	Date	Drawn	Description	Ch'k'd	App'd

	South Block Rockfield Dundrum Dublin 16 Ireland T +353 (0)1 291 6700 F W www.mottmac.com
	Client

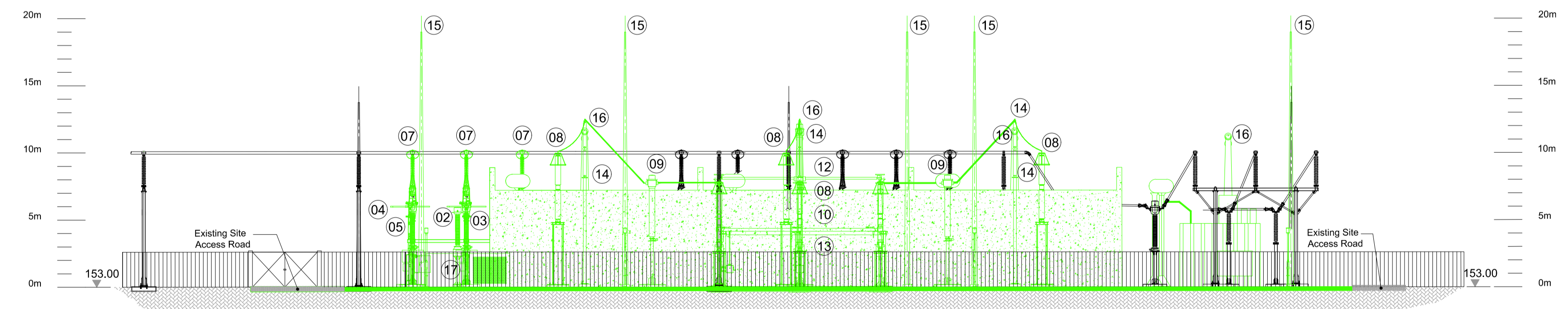


Title
**Celtic Interconnector
 Knockraha Substation
 400kV Transformer Bay
 Sections**

Designed	I. Eustace	Eng check	D. Hassett
Drawn	S. Healy	Coordination	D. Monaghan
Dwg check	D. Monaghan	Approved	T. Keane
Scale at A1	Status	Rev	Security
1:250	APR	PL1	STD
Drawing Number 229100428-MMD-00-XX-DR-E-5031			



Section A-A
1:250



Section B-B
1:250