LEGEND:

- PROPOSED FENCELINE
- PROPOSED BUILDING
- PROPOSED ASPHALT ROAD
- PROPOSED CONCRETE FOOTPATH
- PROPOSED GRAVEL AREA
- PROPOSED INTERNAL ROAD
- PROPOSED 220 KV CABLES
- PROPOSED 110KV CABLES
- EXISTING 220KV CABLES
- DUCTS

EXISTING 220kV CABLES

M50

DUBLIN TUNNEL TOLL

PROPOSED 220kV CABLES AND TIE-IN LOCATION

220kV TRANSFORMER 01

PROPOSED 110kV CABLES

220kV TRANSFORMER 02

220kV TRANSFORMER 03

SPARE DUCTS

REFER TO ILLUSTRATION 3

M50 OFFICES

PORTSIDE BUSINESS CENTRE

51.78m

22.20m

51.00m

15.98m

110kV GIS BUILDING

SPARE DUCTS

REFER TO ILLUSTRATION 1

220kV GIS BUILDING

PROPOSED 220kV CABLES

REFER TO ILLUSTRATION 2

REFER TO ILLUSTRATION 1

EAST WALL ROAD

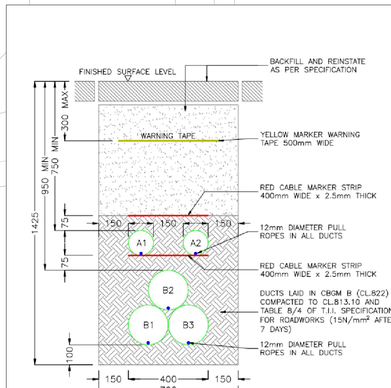
EAST WALL ROAD

EXISTING CARRIAGEWAY

FORTH ROAD

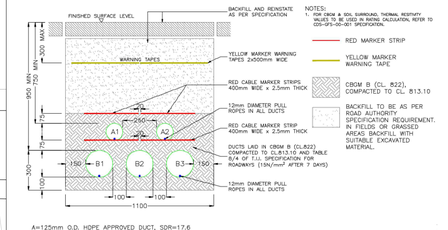
EAST ROAD

10m SCALE 1:500



A=125mm O.D. HDPE APPROVED DUCT, SDR=17.6
B=200mm O.D. HDPE APPROVED DUCT, SDR=21
ALL DIMENSIONS IN MILLIMETERS

Illustration 1: Typical Cross Section Trench Trefoil Configuration



A=125mm O.D. HDPE APPROVED DUCT, SDR=17.6
B=200mm O.D. HDPE APPROVED DUCT, SDR=21
ALL DIMENSIONS IN MILLIMETERS

Illustration 2: Typical Cross Section Trench Flat Formation

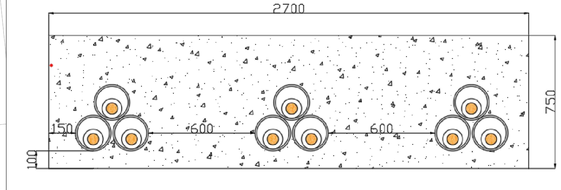


Illustration 3: Typical Ductbank Trefoil Configuration

Client: EirGrid

TETRA TECH

BRIGHT DESIGN ARCHITECTS

General Notes

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(iv) Information including topographical survey, geotechnical investigation and utility detail used in the design have been provided by others.

(v) All Levels refer to Ordnance Survey Datum, Malin Head.

Rev	Date	Drn	Chk	Amendment / Issue	App
S5 P01	01.08.25	UR	AB	PLANNING ISSUE	AB

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Scale	1:500 @ A1
Created on	18/07/2025
Sheets	1 of 1

Project: **CENTRAL DUBLIN SUBSTATION PROJECT**

Title: SUBSTATION COMPOUND CABLE ARRANGEMENT LAYOUT

Drawing Number	Status	Rev
CP1273-RPS-03-PL-SL-D-E-2130	S5	P01

U:\IE\000451\A - Dublin Bulk Supply Point\8.0 Drawings\DR\CP1273-RPS-03-PL-SL-D-E-2130 Substation Compound Cable Arrangement Layout.dwg

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