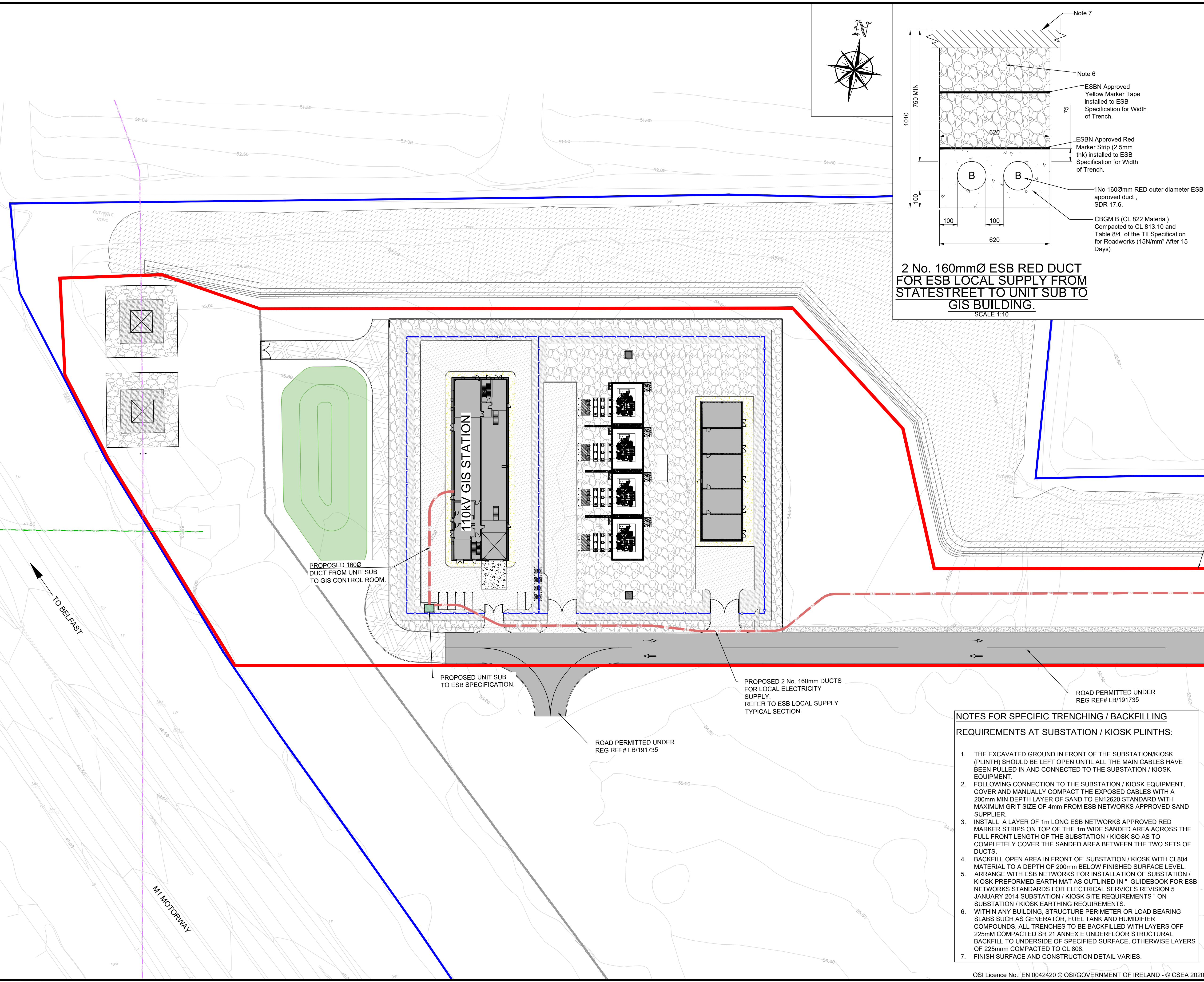


**2 No. 160mmØ ESB RED DUCT FOR ESB LOCAL SUPPLY FROM STATE STREET TO UNIT SUB TO GIS BUILDING.**  
SCALE 1:10

**LEGEND:**

- LANDS IN THE OWNERSHIP OF THE APPLICANT/ LANDOWNER.
- PROPOSED SID APPLICATION SITE BOUNDARY
- PROPOSED COMPOUND FENCE
- PROPOSED ASPHALT ROAD
- PROPOSED STONED AREA
- PROPOSED CONCRETE FOOTPATH
- PROPOSED CONCRETE SLAB
- PROPOSED ASPHALT SURFACE
- PROPOSED MAINTENANCE GRAVEL ROAD
- PROPOSED LANDSCAPING
- PROPOSED UNIT SUB
- PROPOSED MARSHALLING KIOSK
- PROPOSED LIGHTNING MAST PLINTH
- PROPOSED LOCAL SUPPLY DUCT
- PROPOSED MASTS
- PERMITTED 2.4m PALISADE SECURITY FENCE
- PERMITTED ASPHALT ROAD
- PERMITTED CONCRETE FOOTPATH
- PERMITTED EMBANKMENT AREA



**NOTES FOR SPECIFIC TRENCHING / BACKFILLING REQUIREMENTS AT SUBSTATION / KIOSK PLINTHS:**

1. THE EXCAVATED GROUND IN FRONT OF THE SUBSTATION/KIOSK (PLINTH) SHOULD BE LEFT OPEN UNTIL ALL THE MAIN CABLES HAVE BEEN PULLED IN AND CONNECTED TO THE SUBSTATION / KIOSK EQUIPMENT.
2. FOLLOWING CONNECTION TO THE SUBSTATION / KIOSK EQUIPMENT, COVER AND MANUALLY COMPACT THE EXPOSED CABLES WITH A 200mm MIN DEPTH LAYER OF SAND TO EN12620 STANDARD WITH MAXIMUM GRIT SIZE OF 4mm FROM ESB NETWORKS APPROVED SAND SUPPLIER.
3. INSTALL A LAYER OF 1m LONG ESB NETWORKS APPROVED RED MARKER STRIPS ON TOP OF THE 1m WIDE SANDED AREA ACROSS THE FULL FRONT LENGTH OF THE SUBSTATION / KIOSK SO AS TO COMPLETELY COVER THE SANDED AREA BETWEEN THE TWO SETS OF DUCTS.
4. BACKFILL OPEN AREA IN FRONT OF SUBSTATION / KIOSK WITH CL804 MATERIAL TO A DEPTH OF 200mm BELOW FINISHED SURFACE LEVEL.
5. ARRANGE WITH ESB NETWORKS FOR INSTALLATION OF SUBSTATION / KIOSK PREFORMED EARTH MAT AS OUTLINED IN "GUIDEBOOK FOR ESB NETWORKS STANDARDS FOR ELECTRICAL SERVICES REVISION 5 JANUARY 2014 SUBSTATION / KIOSK SITE REQUIREMENTS" ON SUBSTATION / KIOSK EARTHING REQUIREMENTS.
6. WITHIN ANY BUILDING, STRUCTURE PERIMETER OR LOAD BEARING SLABS SUCH AS GENERATOR, FUEL TANK AND HUMIDIFIER COMPOUNDS, ALL TRENCHES TO BE BACKFILLED WITH LAYERS OFF 225mm COMPACTED SR 21 ANNEX E UNDERFLOOR STRUCTURAL BACKFILL TO UNDERSIDE OF SPECIFIED SURFACE, OTHERWISE LAYERS OF 225mm COMPACTED TO CL 808.
7. FINISH SURFACE AND CONSTRUCTION DETAIL VARIES.

Rev	Description	Drawn	Checked	Date
P05	SID ISSUE	DM	PM	05.11.2020
P04	SID ISSUE	DM	PM	03.11.2020
P03	EIRGRID REVIEW	DM	PM	13.10.2020
P02	DP01 ISSUE	DM	PM	07.09.2020
P01	FOR DISCUSSION	DM	PM	28.08.2020

**Clifton Scannell Emerson Associates**  
Clifton Scannell Emerson Associates Limited  
Consulting Engineers,  
Saffron Lodge,  
Castledawson Avenue,  
Blackrock, Co. Dublin,  
Ireland, A94 P768  
T: +353 1 288 5006  
F: +353 1 283 3466  
E: info@csea.ie  
W: www.csea.ie

**Client**  
CAP DEVELOPMENTS LLC

**Project**  
OLD BRIDGE 110KV SUBSTATION

**Dwg. Title**  
PROPOSED RURAL SUPPLY CABLE ROUTE - SHEET 1

**Drawn By** DM **Date** OCTOBER 2020 **20\_057**

**Checked By** PM **Scale** 1:500 @ A1 **CSEA Job No.**

**Project Code** **Originator** **Zone/Phase** **Level** **Type** **Role** **Dwg. No.**

**S2** SUITABILITY FOR INFORMATION

**P05** PLANNING