Bramford to Twinstead Reinforcement

Volume 2: Plans and Drawings

Document 2.11.2 (B): Design and Layout Plans: Grid Supply Point Substation Elevations

Final Issue B
October 2023

Planning Inspectorate reference: EN020002

Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009 Regulation 5(2)(o)



Version History			
Date	Issue	Status	Description / Changes
April 2023	A	Final	For DCO submission
October 2023	В	Final	This document has been updated to include the location, extent and height of the proposed landscape mounding in response to question CM1.5.20 asked in ExQ1

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Application Document 2.11.2(B) THE NATIONAL GRID (BRAMFORD TO TWINSTEAD REINFORCEMENT) ORDER PINS APPLICATION NUMBER: EN020002 Reproduced from Ordnance Survey maps by DOCUMENT 2.11.2(B) DESIGN AND LAYOUT PLANS: GRID SUPPLY POINT SUBSTATION ELEVATIONS permission of Ordnance Survey on be half of the REGULATION 5(2)(o) controller of His Majesty's Stationery Office. © Crown SHEET 1 OF 1 Copyright Ordnance Survey, Licence no. 0100059731 IN THE DISTRICT OF BRAINTREE DISTRICT COUNCIL All dimensions are in millimetres unless 0 5 10 15 20 25m noted otherwise. Western landscaping mounding using material generated from excavation 1.52m RH 2. All levels and chainages are in metres unless noted otherwise. areas up to 2.5m high Permanent access bellmouth-Category 2 standard fence - palisade barrier 2.4m height 400kV substation-3. Underground services are not currently compound access gate shown on this drawing but will be with electric pulse fence incorporated following the GPR survey. Category 3 fencing - standard 2.4m high palisade - Water tank Car parking 4. The details in this drawing are indicative fence without electric fence ⁻–Diesel generator Access road to single circuit Permanent access route only. The final position and design will be Distribution network cable sealing end compound Substation within the parameters contained within the operator compound 400kV substation 132kV underground cable access gate access gate compound access gate DCO with reference to the Work Plans. Oil separator Workshop-Amenities building Relay room Storage -400kV underground cable Super grid_ Telecommunications building – Gantry transformer 1 Super grid _ transformer 2 └─Portable relay room Low voltage alternating current € Distribution network Battery room-Portable relay room-4YL080 (existing) — — Existing 400kV overhead line — -(new replacement)-(to be removed) Distribution network → operator amenities building Eastern landscaping mounding using material— generated from excavation Existing 400kV overhead line —·—·—· Existing Overhead line areas up to 1.5m high — — — — Underground cable Order limits Ancient woodland Proposed 400kV overhead line Existing 400kV overhead line Existing 400 kV overhead line PCB Existing 132 kV overhead line Super grid transformer 2-Disconnector -Indicative western Belchamp Portable relay roomlandscaping mounding Walter Clare Little Yeldham using material generated from excavation areas up Puttock End Amenities building Telecommunications to 2.5m high. 2.4m fence -Relay roombuilding Slope approximately 1:3 on eastern side of mound and 1:10 on western side, but -82.815m AOD can vary based on shape and existing land form. 81.093m AOD Castle Maintenance vehicles to be suitable for 1 in 60 gradient Due to the distance from Finished site level flat in this zone other equipment shown on Reference should be made to Document 2.1 this section, this distance Guide to the Plans which provides further has been shortened and is information on what the plans show. SECTION A-A therefore not to scale Scale 1:250 NG Investment No. 21847 Gantry Portable relay room-Eastern landscaping mounding using material generated from excavation Super grid transformer 1-Disconnector areas up to 1.5m high. Distribution network -Slope approximately 1:3, but can vary based on shape and existing land -2.4m fence operator amenities building 85.000m AOD-FSL Rev A for DCO application 84 042m AOD 83.823m AOD DRAWN CHKD APPE ISSUE REMARKS Bramford to Twinstead Reinforcement Maintenance vehicles to be suitable for 1 in 60 gradient nationalgrid SECTION A-A (Cont.) Scale 1:250 Amenities building-2.11.2(B) Design and Layout Plans: **Grid Supply Point Substation Elevations** Workshop--Relay room 2.4m fence −2.4m fence Storage CIRCUIT / SITE Bramford - Pelham & Bramford ACAD - Braintree - Bulls Lodge ORIGINATOR DRAWING No. **A1** B31000F9-JAC-ZZ-XX-DR-E-0002 Finished site level flat in this zone SECTION B-B BT-NG-020621-545-0016 Scale 1:250

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