

-YELLOW MARKER WARNING TAPE 500mm WIDE WARNING TAPE ESB CODE: 2955092 GRANULAR BACKFILL TO CL 804. COMPACTED IN LAYERS IN ACCORDANCE WITH CL802. 200X750X6mm GALVANISED STEEL PLATES, ESB CODE: 3227173, WITH Existing Service RED CABLE MARKER STRIP X 2.5mm THICK. TO BE INSTALLED FULL WIDTH OF TRENCH AND FULL LENGTH OF SERVICE CROSSING, AND SPACED AT 25mm. 2NO. 125mm OUTER DIA HDPE COMMS DUCTS COMPLETE WITH 12mm DIAMETER PULL ROPES. -3 X RED CABLE MARKER STRIPS 200mm WIDE X 2.5mm ESB CODE: 2955101 -3NO. 160mm OUTER DIA DUCTS LAID 160// IN RAPID HARDENING WET CONCRETE GRADE C25/30 FOR 1m EITHER SIDE OF SERVICE -12mm DIAMETER PULL ROPES IN ALL DUCTS 600 MIN. TYPE B - CABLE TRENCH CROSSING DETAIL

(EXISTING COVER TO TOP OF SERVICE LESS THAN 910mm, BUT CAN BE USED TO MAX, DEPTH OF 3m)

GROUND LEVEL—

150 MIN

—FULL LANE REINSTATEMENT WITHIN PUBLIC ROAD

TO BE AGREED WITH THE LOCAL AUTHORITY BUT

TO BE A MINIMUM OF 100mm ASPHALT CONCRETE

MADE UP OF 55mm BINDER COURSE AND 45mm

SURFACE COURSE WITH SKID RESISTANCE IN

ACCORDANCE WITH TII DMRB

TO BE AGREED WITH THE LOCAL AUTHORITY BUT TO BE A MINIMUM OF 100mm ASPHALT CONCRETE GROUND LEVEL-MADE UP OF 55mm BINDER COURSE AND 45mm SURFACE COURSE WITH SKID RESISTANCE IN ACCORDANCE WITH TII DMRB 150 MIN 150 MIN -YELLOW MARKER WARNING TAPE 500mm WIDE ESB CODE: 2955092 GRANULAR BACKFILL TO CL 804. COMPACTED IN LAYERS IN ACCORDANCE WITH CL802. ─3 X RED CABLE MARKER STRIPS 200mm WIDE X 2.5mm ESB CODE: 2955101 150 -2NO. 125mm OUTER DIA HDPE COMMS DUCTS COMPLETE WITH 12mm DIAMETER PULL ROPES -3 X RED CABLE MARKER STRIPS 200mm WIDE X 2.5mm ESB CODE: 2955101 -3NO. 160mm OUTER DIA HDPE DUCTS LAID IN CBGM B (CL 822) COMPACTED TO CL.813.10 & /B3/ TABLE 8/4 OF T.I.I. SPECIFICATION FOR ROADWORKS (15N/mm<sup>2</sup> AFTER 7 DAYS). -12mm DIAMETER PULL ROPES IN ALL DUCTS 600 MIN. EXISTING SERVICE TYPE D - CABLE TRENCH CROSSING DETAIL

(EXISTING COVER TO TOP OF SERVICE GREATER THAN OR EQUAL TO 1485mm)

(WIND FARM ACCESS TRACK) SCALE 1:10

—FULL LANE REINSTATEMENT WITHIN PUBLIC ROAD TO BE AGREED WITH THE LOCAL AUTHORITY BUT TO BE A MINIMUM OF 100mm ASPHALT CONCRETE MADE UP OF 55mm BINDER COURSE AND 45mm SURFACE GROUND LEVEL-COURSE WITH SKID RESISTANCE IN ACCORDANCE WITH TII DMRB -EXISTING 3RD PARTY EXISTING 3RD PARTY WARNING TAPE 150 MIN SERVICE MARKER TAPE YELLOW MARKER A . 4 WARNING TAPE FOR **FULL WIDTH OF TRENCH** ESB CODE: 2955092 -BACKFILL. COMPACTED 100 MIN TO CL. 804 -200X750X6mm GALVANISED STEEL PLATES, ESB CODE: 3227173, WITH RED CABLE MARKER STRIP X 2.5mm THICK. TO BE INSTALLED FULL WIDTH OF TRENCH AND FULL LENGTH OF SERVICE CROSSING, AND SPACED AT 25mm. -A393 MESH -DUCTS LAID IN RAPID HARDENING WET CONCRETE GRADE C25/30 UNTIL EXISTING SERVICE STANDARD TRENCH ARRANGEMENT IS ACHIEVED -3NO. 160mm OUTER DIA. HDPE DUCTS COMPLETE WITH 12mm DIAMETER PULL ROPES 1330 -2NO. 125mm OUTER DIA HDPE COMMS DUCTS COMPLETE WITH 12mm TYPE C - CABLE TRENCH CROSSING DETAIL DIAMETER PULL ROPES. (EXISTING COVER TO TOP OF SERVICE GREATER THAN 910mm BUT LESS THAN 1485mm)

—FULL LANE REINSTATEMENT WITHIN PUBLIC -ROAD BUILD UP AS PER WIND FARM ROAD TO BE AGREED WITH THE LOCAL ACCESS TRACK SPECIFICATION AUTHORITY BUT TO BE A MINIMUM OF 100mm ASPHALT CONCRETE MADE UP OF 55mm GROUND LEVEL-GROUND LEVEL-BINDER COURSE AND 45mm SURFACE COURSE WITH SKID RESISTANCE IN ACCORDANCE WITH TII DMRB **EXISTING 3RD PARTY WARNING TAPE** 150 MIN -EXISTING 3RD PARTY . 4 SERVICE MARKER TAPE -YELLOW MARKER WARNING YELLOW MARKER WARNING WARNING TAPE TAPE FOR WIDTH OF TRENCH TAPE 500mm WIDE ESB CODE: 2955092 ESB CODE: 2955092 -BACKFILL, COMPACTED ( ) TO CL. 804 GRANULAR BACKFILL TO CL 804. EXISTING SERVICE COMPACTED IN LAYERS IN ACCORDANCE WITH CL802. -200X750X6mm GALVANISED STEEL PLATES, ESB CODE: 3227173, WITH RED CABLE MARKER STRIP X -3 X RED CABLE MARKER STRIPS 2.5mm THICK. TO BE INSTALLED 200mm WIDE X 2.5mm FULL WIDTH OF TRENCH AND FULL ESB CODE: 2955101 150 A5 100 LENGTH OF SERVICE CROSSING, -2NO. 125mm OUTER DIA HDPE AND SPACED AT 25mm. COMMS DUCTS COMPLETE WITH -DUCTS LAID IN RAPID HARDENING 12mm DIAMETER PULL ROPES. WET CONCRETE GRADE C25/30 UNTIL STANDARD TRENCH ARRANGEMENT IS -3 X RED CABLE MARKER STRIPS **ACHIEVED** 200MM WIDE X 2.5mm ESB CODE: 2955101 -3NO. 160mm OUTER DIA. HDPE −3NO. 160mm OUTER DIA HDPE DUCTS LAID | DUCTS COMPLETE WITH 12mm IN CBGM B (CL 822) COMPACTED TO DIAMETER PULL ROPES CL.813.10 & TABLE 8/4 OF T.I.I. SPECIFICATION FOR ROADWORKS 1330 2NO. 125mm OUTER DIA HDPE (15N/mm<sup>2</sup> AFTER 7 DAYS) COMMS DUCTS COMPLETE WITH -12mm DIAMETER PULL ROPES 12mm DIAMETER PULL ROPES. IN ALL DUCTS 600 MIN. TYPE E - CABLE TRENCH CROSSING DETAIL TYPE F -110KV CABLE TRENCH SECTION

JK PC BY APP Issued For Planning Brittas wind Farm 110kV Cable Trench Details Brittas Wind Farm Ltd.

DO NOT SCALE FROM THIS DRAWING. USE FIGURED DIMENSIONS IN ALL CASES. VERIFY DIMENSIONS ON SITE AND REPORT ANY DISCREPANCIES TO THE DESIGNERS IMMEDIATELY. THIS DRAWING TO BE READ IN CONJUNCTION WITH THE DESIGNERS SPECIFICATION.
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RELEVANT SPECIFICATIONS, BILLS OF QUANTITIES, ARCHITECTURAL, SERVICES AND ENGINEERING DRAWINGS. —FULL LANE REINSTATEMENT WITHIN PUBLIC ROAD

ALL LEVELS ARE IN METRES RELATED TO ORDNANCE DATUM

ANY DISCREPANCIES BETWEEN THESE DOCUMENTS SHALL BE

BROUGHT TO THE ATTENTION OF THE ENGINEER. 4. DRAWINGS ARE NOT TO BE SCALED.

OTHERWISE.

5. ALL DIMENSIONS ARE IN MILLIMETRES, UNLESS NOTED

. TEMPORARY WORKS DESIGN CERTIFICATE REQUIREMENTS FOR CABLE ROUTE: ALL TEMPORARY WORKS ARE THE RESPONSIBILITY OF THE CONTRACTOR. HE SHALL PROCURE A TWDC AS REQUIRED BASED ON HIS PROPOSED WORKS METHODOLOGY. ON THE ASSUMPTION THAT BATTERING OF EXCAVATIONS WILL NOT OCCUR THEN A TWDC WILL BE REQUIRED FOR ALL TRENCH EXCAVATIONS. TWDCS WILL ALSO BE REQUIRED FOR THE USE OF TRENCH BOXES.

B=160 mm: OUTER DIAMETER HDPE ESB APPROVED DUCT, SDR=21, ESB CODE: 9317560

8. A=125 mm: OUTER DIAMETER HDPE ESB APPROVED DUCT, SDR=17.6, ESB CODE: 9317552

9. HDPE DUCTS TO BE ESB APPROVED. 125mm O.D. DUCTS TO BE SDR 17.6 AND 160mm O.D DUCTS TO BE SDR 21. WHERE IN TREFOIL THEY SHALL BE TIED EVENLY AT 3m C/C

10. B1, B2, B3 - HV CABLES. A4, A5 - COMMS DUCTS

LEGEND:

Red Marker Strip

Yellow Marker Warning Tape

UGM-A (Formerly Cl. 804)

12 mm Diameter Pull Rope

A = 125 mm Outer Diameter HDPE

ESB Approved Duct, SDR=17.6 (COMMS DUCT)

B = 160 mm Outer Diameter HDPE

ESB Approved Duct, SDR=21 (POWER DUCT)

E = 125 mm Outer Diameter HDPE ESB Approved Duct, SDR=17.6 (ECC DUCT)

ENGINEERING AND ENVIRONMENTAL CONSULTANTS

CORK TRALEE LONDON LIMERICK PC CMcL ROJECT NUMBER SCALE @ A1:

1:10 FOR INFORMATION S2 23318 - MWP - 00 - 00 - DR - C - 5427