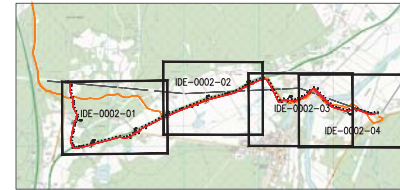


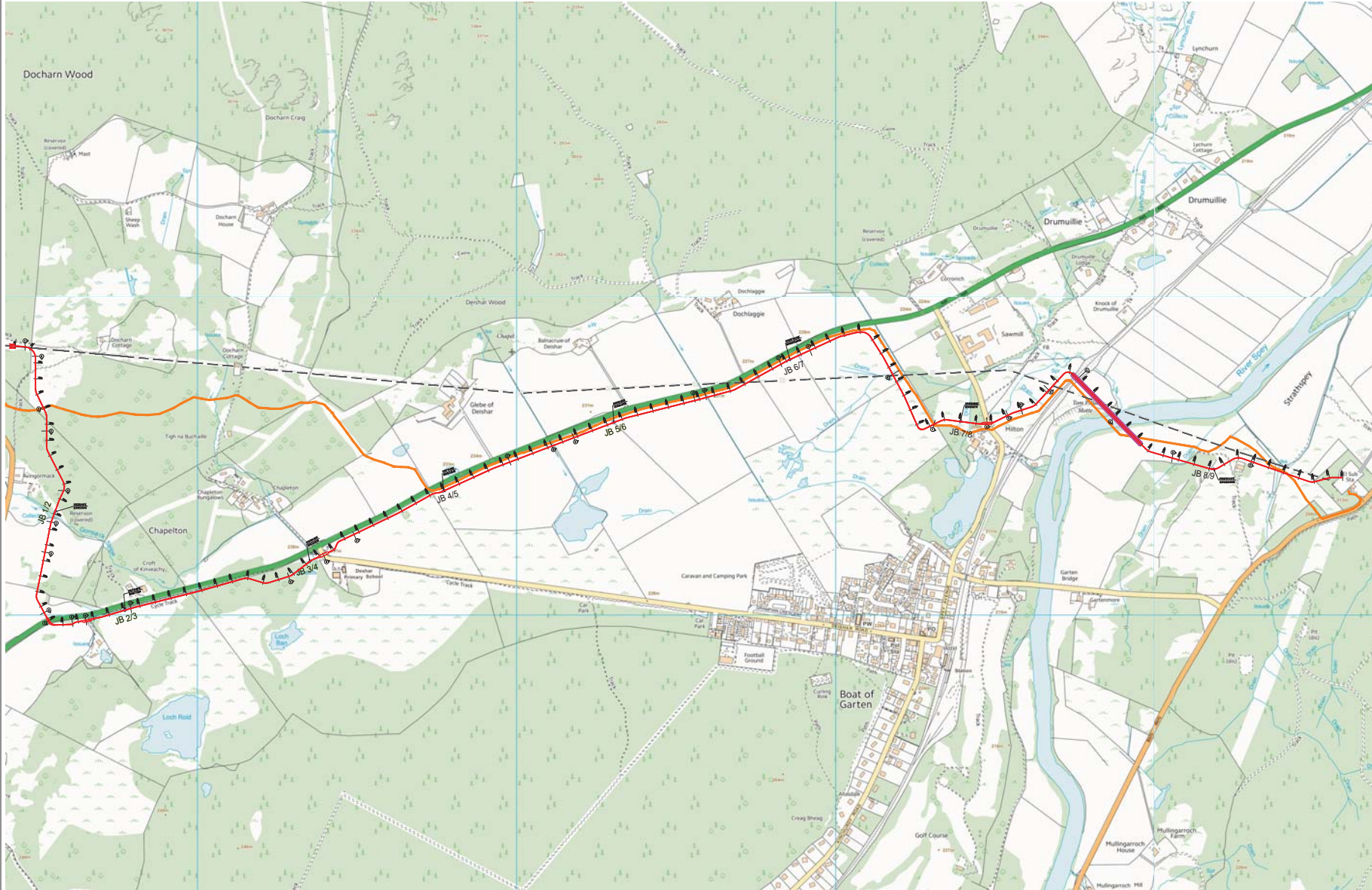


0 100
This drawing may have been reduced
original scale: 1:500mm

Reference Drawings Legend Notes



KEY PLAN



SHEQ NOTES

1. WARNING AS SITE WORKS PROGRESS, ADDITIONAL SERVICES MAY BE IDENTIFIED THAT ARE NOT SHOWN ON THESE DRAWINGS. HSE477 SHALL BE TAKEN AS GUIDANCE FOR AVOIDING DANGER FROM UNDERGROUND SERVICES.
2. THE CONTRACTOR SHALL PRODUCE CLEAR METHOD STATEMENTS AND RISK ASSESSMENTS WHICH ARE TO INCLUDE MEASURES FOR CONTROLLING THE IMPRESSED VOLTAGE CONDITIONS AND FOLLOW THESE AT ALL STAGES OF CONSTRUCTION.

GENERAL NOTES

1. ALL WORKS TO BE CARRIED OUT BY COMPETENT PERSONNEL.
2. BOAT OF GARDEN SUBSTATION RATING 132KV 3050A 31.5MVA 3A.
3. THE INFORMATION PROVIDED IS TO BE TAKEN AS A GENERAL GUIDE AND THE ACCURACY CANNOT BE GUARANTEED. THE ACTUAL POSITION OF SERVICES MUST BE VERIFIED AND ESTABLISHED ON SITE BEFORE ANY MECHANICAL EXCAVATION TAKES PLACE.
4. ALL SURVEY INFORMATION IS REFERENCES TO ORDNANCE SURVEY NATIONAL GRID CO5826A.
5. TRENCH CROSS SECTIONS ARE TAKEN IN THE DIRECTION SHOWN BY THE ARROW ON THE SECTION MARKER.
6. CABLE TO BE PULLED IN THE SAME DIRECTION AS THE INSTALLATION OF THE PUSH-FIT DUCTS.

MATERIAL SPECIFICATION

1. INSTALLATION OF HV CABLE SYSTEM TO BE IN ACCORDANCE WITH SP-PS-LT-2300 REV 01 AND NIGS 3.05.05 ISSUE 10.
2. 150mm/160mm PVC DUCTS TO BE PUSH FIT TYPE WITH COATED SPOUT ENDS AND TO BE INSTALLED IN ACCORDANCE WITH SP-PS-LT-2300 REV 01 AND EN TS 12-14.
3. SELECTED SAND TO BE IN ACCORDANCE WITH SP-PS-LT-2300 REV 01 AND NIGS 3.05.07 ISSUE 10.
4. CONCRETE SPECIFICATION MINIMUM STRENGTH GRADE C20/25. NO REINFORCEMENT TO BE USED.
5. POLYURETHANE CABLE COVERS TO BE A MINIMUM OF 14mm THICK AND TO BE INSTALLED IN ACCORDANCE WITH SP-PS-LT-2300 REV 01 AND NIGS 3.05.07 ISSUE 10. CABLE COVERS TO BE COLOURED TO ENSURE CABLES HAVE A MINIMUM COVERING OF 50mm ON EACH SIDE.
6. CABLE MARKING TAPE TO BE A MINIMUM OF 2.5mm THICK AND TO BE INSTALLED IN ACCORDANCE WITH SP-PS-LT-2300 REV 01 AND NIGS 3.05.07 ISSUE 10.
7. 8mm OD OTS MICRO DUCT TO BE INSTALLED IN ACCORDANCE WITH SP-NET-CAB-502 AND NIGS 3.05.05 ISSUE 6.
8. 100mm/110mm FIBRE OPTIC DUCT TO BE RIGID PVC MANUFACTURED TO BS EN 61386-24 AND TO BE COLOURED GREEN. 100mm/110mm DUCT TO HAVE TWO HOPE SUB DUCTS WITH 30mm ID AND 35mm OD. FIBRE OPTIC DUCTS TO BE INSTALLED IN ACCORDANCE WITH M-PS-733 REV 05.
9. GEOTEXTILE MAT TO BE INSTALLED TO ENSURE SELECTED SAND BACKFILL AND DUCTS HAVE COMPLETE ENVELOPING. GEOTEXTILE MAT TO BE OVERLAPPED BY 100mm AT EACH SECTION.
10. CABLE MARKER POSTS ARE TO BE INSTALLED AT EACH CHANGE IN DIRECTION OF THE DUCTS, AT EACH FIELD OF LAND BOUNDARY, EITHER SIDE OF ROAD CROSSINGS, AT EACH WITH COURSE CROSSING AND EVERY 250m ON STRAIGHT SECTIONS.

REFERENCE INFORMATION

30001462-EE-001, 30001462-EE-002, 30001462-EE-003, 30001462-EE-004, 30001462-EE-005, 30001462-EE-006, 30001462-EE-007, 30001462-EE-008, 30001462-EE-009, 30001462-EE-011 & 30001462-EE-012.

FOR ACCEPTANCE

FOR ACCEPTANCE					
01	Drawn	KV	Checked	TK	Approved
01	Drawn	KV	Checked	TK	Approved
01	Drawn	KV	Checked	TK	Approved
01	Drawn	KV	Checked	TK	Approved



SSEN Drawing Number: 9980_CAB_132KV_MAG1-MAG2_DWG_1110_1001_01_REV 02



Project: DOCHARN - BOAT OF GARDEN 132KV UNDERGROUND CABLES
Title: CABLE ROUTE OVERALL LAYOUT

Scale: NTS
(when plotted @ A1)
Drawn: KV
Date: 02/05/2018
Class: 02/05/2018
Checked: TK
Date: 09/08/2018
Approved: AH
Date: 09/08/2018

CAD Ref: S:\London\Projects\30001462 - SSEN Boat of Garden - Docharan\09_04\03_B1\06_elec



Project number	Drawing number	Revision
30001462	IDE-0001	01