

KEYPLAN

MAIN CONTRACTOR



John Paul Construction

JOHN PAUL CONSTRUCTION

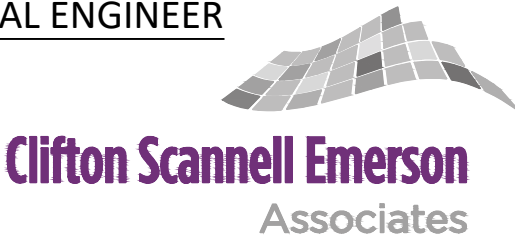
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ARCHITECT

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HV Main Contractor



LEGEND

- TC EXISTING COMMS
- ESB110kV EXISTING ESB 110KV
- ESB110kV EXISTING ESB 110KV CORKAGH-KILMAHOD CIRCUIT
- ESB EXISTING ESB
- SW EXISTING STORMWATER
- FS EXISTING FOUL SEWER
- GAS EXISTING GAS
- EXISTING LIGHTING
- WM EXISTING WATERMAIN
- PLANNING BOUNDARY
- PROPOSED 110KV CLUTTERLAND TO KILMAHOD GRID CONNECTION
- PROPOSED 110KV CLUTTERLAND TO KILMAHOD GRID CONNECTION - DIRECT LAID
- EXISTING 110KV CABLE TO BE LIFTED & RE-LAID
- 110KV DUCT SDR 21 HDPE
- COMMS DUCT SDR 17.6 HDPE

PROJECT

CLUTTERLAND
110KV GIS SUBSTATION

Rev	Drn	Ckd	Description	Date
P04	DW	HF	PLANNING	04/11/20
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STATUS : PLANNING

Drawn by	Checked by	Date
Author DW	Checker HF	SEP 2020
1:100 (@ A1)	Project number	20_055

Drawing Title
PROPOSED JOINT BAY
JB03

Drawing Number	Revision
CLDHV-CSE-00-XX-DR-C-2127	P04

Outlined Construction Sequence

- The Hv ducting circuit from the Clutterland station will be installed up to Joint Bay 3 and 110 KV 1000 mm² Cu, including joints, will be installed along with fibre will be installed from Clutterland 110 KV substation up to the south side of joint bay 3. (contestable works)
- This new section of cable from joint bay 3 to Clutterland 110 KV substation will then be PD tested. (contestable works)
- After PD testing has been completed this cable will be cut back to the end of joint bay 3, capped and ready for jointing. (contestable works)
- Traffic management will be put in place to allow for excavations works within the roadbed.
- Trench shown in yellow will be excavated and prepared to receive existing cables to be tied into joint bay 3. (contestable works)
- A straight section of ducting, 3 m or more, will be installed from joint bay 3 to receive existing cable. (contestable works)
- Black hatched box will be excavated down to the existing duct bank. (contestable works)
- The CGBM will be carefully removed from this section to expose ducting. (contestable works)
- Repeat step No. 6 and step No. 7 at existing cable cutting point, as indicated on drawing. (contestable works)
- Cable to be cut at point indicated on drawing. (non-contestable works)
- Carefully remove ducting at section of cable, highlighted in red, to allow the cable to be drawn back from cutting point.(contestable works)
- Using a crane, lift cable and re-direct into the already prepared new trench shown in yellow. Note a minimum separation of 300 mm to existing services will be maintained. (non-contestable)
- Pull existing cable into joint bay 3. (non-contestable)
- Sleeve ducting on existing cable to the existing ducting. (contestable)
- Repeat steps No. 8 -11 for ECC and fibre ducting. (non-contestable)
- Complete fibre ducting from C2 chamber to existing ducting. (non-contestable)
- Backfill trench as per Eirgrid standard. Depending on depth of cover, steel plates may be required. (contestable).
- Jointing to be complete at joint bay by ESB. (non-contestable)

PLAN 3