



SUB-MAIN RELOCATION SPECIFICATION

CLIENT ADDRESS

St Mary The Virgin Church,
Primrose Hill
Elsworthy Road
London
NW3 3DJ

PROJECT DETAILS

Design Practice: CES LLP
Project Number: 7009
Date: 22/04/2020

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| SECTION 1 – SPECIFICATION

1.1 | BRIEF

CES has been approached to inspect, design, and specify the relocation of an existing sub-main cable from its existing visible route to a new discrete location. This is in response to a comment made by the Conservation Officer regarding the existing sub-main cable running on the external brickwork to the south wall of the Church, Chapel of the Holy Spirit and the south wall of the Sacristy.

1.2 | EXECUTIVE SUMMARY

To provide the following

- ✎ To carry out a site visit to document the existing route and new proposed route
- ✎ To produce drawings showing the routes and photos
- ✎ To generate documentation for the sub main relocation

1.3 | APPENDICES

LAYOUT DRAWINGS

DRAWING NO.	SIZE	TITLE
7009-01	A3	Existing sub-main route
7009-02	A3	Proposed new sub-main route

1.4 | PARTICULAR SPECIFICATION

EXISTING SUB-MAIN ROUTE

At St Mary the Virgin Church, Primrose Hill, there is a 25mm 3 core steel wired armoured cable (SWA) sub-main cable which supplies the small kitchen distribution board located at the west end of the church. With reference to drawing 7009-01 the current sub main cable currently travels on the south external wall of the church., the sub-main cable currently travels from the small kitchen distribution board and travels vertically to top of the South external Aisle wall (Photo 1). The cable then travels down the South Aisle wall at high level under the decorative stonework (Photo 2) and round the Chapel of the Holy Spirit (Photo 3). From this point the cable then drops from high level to mid-point on the wall (Photo 4) where it then travels through the wall in an internal wall void to the main intake cupboard located at the east end (Photo 5).

NEW PROPOSED SUB-MAIN ROUTE

The new proposed route for the sub-main cable would involve the existing cable being removed from the electrical intake at the east end and unclipped back to where the cable rises to high level at the West end (Drawing 7009-01, photo 1). With reference the drawing 7009-02 the cable will be repositioned onto the roof area above the South Aisle (Photo 1). The cable will then be reclipped along the parapet wall to the Chapel of the Holy Spirit roof area (Photos 2,3 & 4). The cable will then travel along the wall section between the Nave and the Chapel of the Holy Spirit roof (Photo 5). From this point the cable will drop to the lower roof level (Photo 6) and along to the lower parapet roof section where it will enter the sacristy through the external wall, a new hole will need to be drilled to allow access for the cable into this area (photo 7). Within this area the cable will travel to the higher level roof line (Photo 8) where it will travel along and down the wall (photo 9), a new hole will need to be drilled through this partition wall to gain access to the electrical intake cupboard.

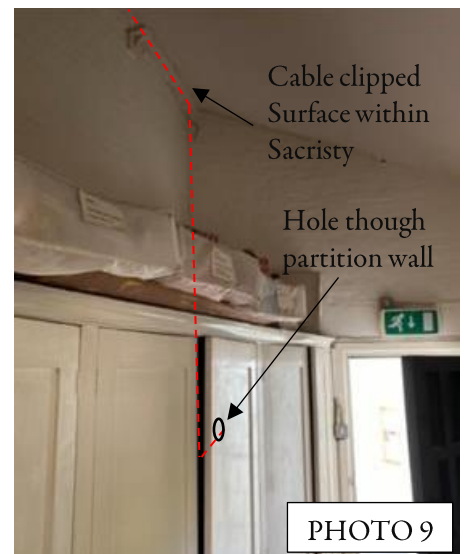
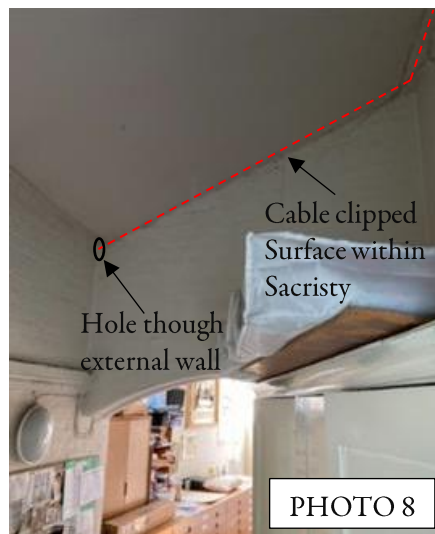
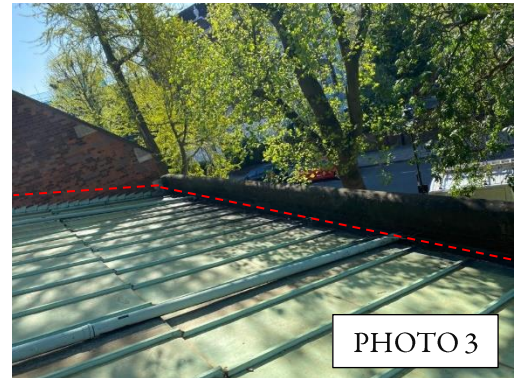
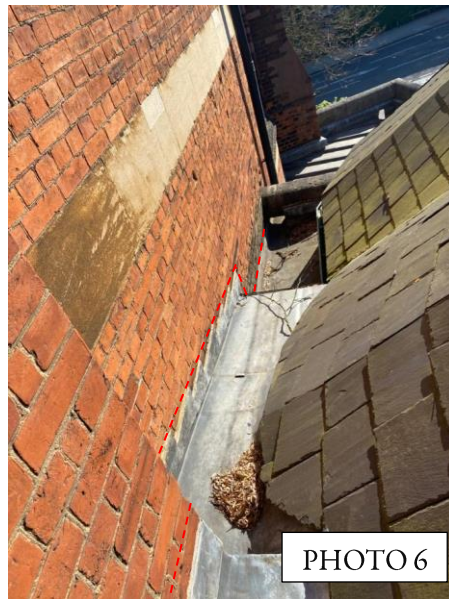
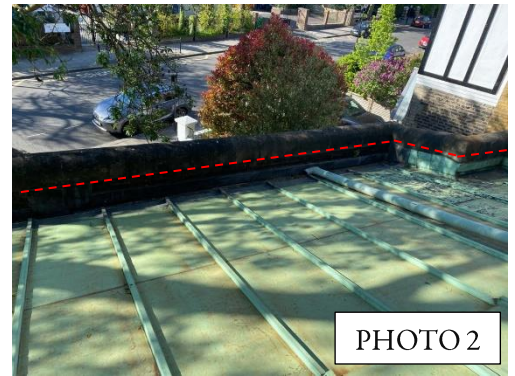
Wiring is to be carried out in a manner which is sympathetic to the historic nature of the building. Fixing to be secured in the mortar unless adequate reason for fixing into stonework and approved by Architect. All fixings should be of stainless-steel construction to prevent deterioration.

Where the cable passes external areas where fixings are not possible due to stonework or roof sections, Unistrut should be used to provide adequate support for the cable in these areas.

All new holes through the fabric of the building required for the new cable route should be discussed and approved with the Architect before these works commence.

Due to an increase in length with this new proposed route it will be necessary to extend the cable on the roof of the church. This should be done using 25mm 3 core SWA with the connection placed in an accessible location, a suitable externally rated enclosure and cable termination glands. The connection itself should use a crimp type permanent connection and insulated using insulating tape and heat shrink.

1.5 | NEW PROPOSED CABLE ROUTE PHOTOS



END OF DOCUMENT

Contact Details

We do hope this proposal meets your requirements. It would be a pleasure to work with you in lighting the Church, not only for its architectural significance but also to support its active ministry within the Heart of our country.

Please do contact us at any time if you would like any further information on the lighting concepts for the Church:

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