

CERTIFICATE OF COMPLETION OF WORKS AUTHORISED BY FACULTY

IN THE CONSISTORY COURT OF THE DIOCESE OF GLOUCESTER

TO THE REGISTRAR

PARISH OF BARNWOOD

CHURCH OF ST LAWRENCE

A faculty dated 23rd January 2022 authorised the following works:-

Schedule of Works for the Installation of WiFi at St Lawrence Church, Barnwood

Fig 1 Overview - this is a plan view of the installation which will comprise:

- a) A 13mm diameter armoured steel cable to be laid between the existing router located in the parish office of the church centre and the church vestry. A total distance including fitting around existing paving of around 21 Metres.
- b) This cable will run underground between the walls of the two buildings and terminate in the Vestry. Most of its length (18M) it will be located in a relatively shallow 'V' slit trench, in recently disturbed grassed soil. The remaining 3M will be buried under existing pavers.
- c) There should be virtually no visible signs of this cable outside the church except for a short strip of galvanised steel covering as it exits down the church centre wall and a length of around 75mm of this cable as it enters the church in the corner of a threshold to the west door. This door is only used by bell ringers on an occasional basis.
- d) From the vestry the cable will divide into three 6mm diameter black PVC cables to distribute the signal to three access point (aerials) located within the church to cover the bell tower, the nave and the north aisle/lady chapel/chancel area. All cables will be pinned to woodwork or into mortar joints or held with cable ties to existing cabling to minimise any disturbance to historic fabric. It will be powered by one socket of an existing double 240V mains power socket in the vestry. The remaining illustrations show the full details and specification of this equipment and its installation.
- e) All cabling work will be carried out by a company specialising in this type of installation and will conform with the appropriate industry standards. A subcontractor will be utilised to dig all soil and lift/relay pavers. This will be the churchyard grave digger who has extensive experience of this work and was employed recently by the PCC to re-lay churchyard drains and soakaways to the church porch.

Fig 2 Provide a suitable breakout box on the office wall and connect this to the existing router. Drill through the office wall close to ground level and provide 13mm diameter steel armoured cable from this box through the office wall and vertically down into the ground. This length of cabling to be protected by a length of galvanised steel protection screwed to the wall driven into the ground to protect the cable from garden machinery, etc.

Fig 3 Use a spade to provide a single 'V' profile 100mm depth cut into the soil and fully insert the cable to the bottom of the cut. Keep the cut close to the edge of the paved area as this will utilise soil disturbed around 20 years ago and will minimise any risk of uncovering human remains or artefacts. In the unlikely event of any such discoveries then they will be put to one side, photographed and immediately reported to the DAC secretary.

Fig 4 Excavate 200mm down under the edging strip of the path and lift the pavers across the path in a line to take the cable under the path adjacent to the west door threshold "STONE" shown in Fig. 1. Install a length of standard galvanised scaffold pole under the path and across to the stone chipped area. Relay the pavers, run the cable through the pole and bury

the last short stretch of cable in the existing stone chips to emerge by the north end of the west door threshold adjacent to the gas pipe.

Fig 5(a) Run the cable under the west door ventilation grill section and across the threshold along the north edge of the flagstone and into the vestry. Fig 5(b) A similar appearance should be obtained as on the opposite edge of this threshold over which runs the overflow pipe from the wet central heating system.

Fig 6 Fix a breakout point low down on the west wall and behind the flower arranging shelves in the vestry and run a single ongoing 6mm cable to a power over ethernet switch with mains power supply from the adjacent 240V mains socket just above the metal double-door metal storage cabinet in the vestry. Three separate 6mm black cables will then take the signal on to the three access points - two in the vestry and one in the church.

Fig 7 All internal cabling beyond the breakout box to the to the access points will be in 6mm diameter black PVC signal cable.

Fig 8 Location of the first access point in the vestry to serve the bell tower, on the floor of the organ loft.

Fig 9 Location of second access point in the vestry to serve the nave but mounted on the vestry side of the vestry screen adjacent to the organ pipes and behind the top left-hand quadrangle of the screen. Not visible from the nave.

Fig 10 Route the third access point cable from the vestry into the nave between the vestry screen and the stonework at 300 mm above ground level and below the fire extinguisher.

Fig 11 Fix the cable to the west wall behind rear pew at this height and run into corner to meet the existing speaker cable. Run side-by-side up in the corner between the rear nave pillar and the west wall. Bend through 90 degrees at the top of the arch plinth and run the cable around the top of the pillar from the south side to the north side. It will run alongside the existing speaker cable and should not be visible from ground level.

Fig 12 Continue to route the cable around the north side of this pillar and take it up into the rafters. This can follow the route of the existing speaker cable but it would be neater to return it to the west wall and take it up in the corner of the north wall and the pillar into the rafters and return it back to the rafter and then carry on up the rafter to the apex of the north aisle roof above the font.

Fig 13 Route the cable down the rafter behind the font and along the north wall-plate at the base of the rafters and across the north door. All structural church wood work is of dark oak and it is very unlikely that this cable will be visible at ground level.

Fig 14 Continue to route the cable to the far window at the end of the north wall along this same wallplate.

Fig 15 Location of the third access point to serve the altar, north aisle and lady chapel at rafter base height on top of the wall plate. This access point will be mounted horizontally and tucked to the back of the wall plate so should be almost invisible from within the nave. If it remains sufficiently visible within the church then it could be covered with a dark cloth or similar.

Fig 16 Manufacturers catalogue view of the 160mm diameter x 32mm depth access Points (aerials) to be installed.

Subject to the following conditions:-

- Stainless steel fixings are to be used in the mounting of the aerials and cabling, as opposed to galvanised fixings.

1 Company, firm or person by whom work carried out

The work was carried out by the following (if a different company, firm or person was employed for different items of work authorised by the Faculty details of each must be given):-

- 1.1 Name DIGITAL TELECOM
Address LLANTHONY INDUSTRIAL EST Q12 SHL
Type of work undertaken INSTALLED CABLING AND
ELECTRONICS TO EXTEND HALL WIFI TO CHURCH.
- 1.2 Name DEREK JONES T/A MOONBEAM
Address 55 ELDERWOOD WAY, GLOUCESTER GL4 0RB
Type of work undertaken DUG AND BACK-FILLED
TRENCHES + TUNNELLED UNDER PATH FOR CABLING
(if necessary please continue on a separate sheet)

Each Company, firm or person named above was supplied with a copy of the Faculty before the work was commenced.

2 Architect/Surveyor (if any)

2.1 The architect/surveyor employed in relation to the authorised works was:-

Name..... NONE

Address..... /

2.2 The above-named architect/surveyor

2.2.1 was supplied with a copy of the faculty before work commenced; and

2.2.2 has issued a Practical Completion Certificate dated..... /in relation to [the whole][part] of the authorised works. (delete bracket alternative as appropriate)

3 Certification by churchwardens or petitioner

3.1 We/I certify that to the best of our knowledge information and belief the works have been carried out in accordance with the faculty.

3.2 We/I certify that all the conditions attached to the faculty have been complied with.

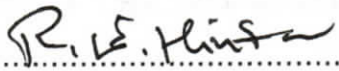
3.3 We have given a copy of the certificate to the Archdeacon and have placed a copy in the church's log book.

(Delete (iii) in the case of works to a building included in the list under the Care of Places of Worship Measure 1999)

Name (Please print)..... ROBERT HINTON.....

Address..... 8 CHERSTON COURT, BARNWOOD.....

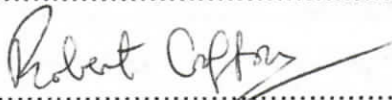
..... GLOUCESTER GL4 3LE.....

Signed..... ..... Date..... 2nd February 2022.....

Name (Please print)..... REV. ROBERT E. CROFTON.....

Address..... 27A Barnwood Avenue.....

..... GLOUCESTER GL4 3AB.....

Signed..... ..... Date..... 09/03..... 2022.....

NOTE: THIS FORM IS TO BE RETURNED TO THE DIOCESAN REGISTRAR AT VEALE WASBROUGH VIZARDS LLP, NARROW QUAY HOUSE, NARROW QUAY, BRISTOL, BS1 4QA WITHIN 28 DAYS OF THE PRACTICAL COMPLETION OF THE WORK

PLEASE NOTE THAT IT IS NOT NECESSARY TO SEND A COPY OF THIS FORM TO THE ARCHDEACON