Supporting Documentation
Higher Bebington Christ Church – Roof works

Note to parish

This bundle includes all the supporting documentation to your faculty application as required under Rule 5.5 of the Faculty Jurisdiction (Amendment) Rules 2019.

List of documentation

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Caroline Hilton, DAC Secretary 9 May 2022

We petition the Court for a faculty to authorise the following-

Please describe the works or other proposals for which a faculty is sought in the way recommended by the Diocesan Advisory Committee in its Notification of Advice.

SCHEDULE OF WORKS OR PROPOSALS

Renewal refurbishment of the church rainwater installation together with minor roof repairs and high level stonework repairs.

Copies of the Standard Information Form and any drawings, plans, specifications, photographs or other documents showing the proposals must be provided with this petition.

Statement of Significance

Section 1: Brief history and description of the church building(s), contents, churchyard and setting

Introduction

Christ Church Higher Bebington is a Grade II listed building and is mentioned in the Cheshire volume of *Buildings of England* by Nikolaus Pevser and Edward Hubbard. We understand that it is the only public listed building in the Bebington Ward of the Metropolitan Borough of Wirral. A landmark building, the church with its tall spire is located on Kings Road, a busy but wide, straight local road with a number of bus routes which links two principal local shopping areas Teehey Lane and Broadway and forms part of a main route from Birkenhead to Lower Bebington. It is in a built-up area comprising mainly 1930s semi-detached housing.

There are fine views from the church grounds to the Liverpool skyline.

The first incumbent was the Revd George Troughton who built the Vicarage, slightly to the north east of the church, at his own expense in 1858.

Originally Christ Church was a “daughter church” within the parish of St Peter’s Rock Ferry becoming a parish in its own right in 1877.

Linked to the church to the north via the tower is the single storey Christ Church Community Centre designed by local architects, Weightman & Bullen, and opened in 2011. This replaced a separate life-expired church hall which was opened in 1952.

Church building

The church was designed by Walter Scott who is thought to have been a local architect based in nearby Birkenhead. Construction started in 1857 and the church was consecrated on 24 December 1859. The style is circa 13th century. The church is constructed from sandstone supplied from a local quarry.

The church has a lofty nave with a clerestory having seven three-light windows on each side. The pointed arches of the arcades to the aisles have alternate circular and octagonal pillars each of which is formed from a single block of stone.

The high roof is supported on scissor beams butted onto plain corbels. The curved roof-timbers are of laminated construction.

A tower and spire were added in 1884; the tower is constructed in the same local stone as the church and the spire is clad in oak shingles. Double timber doors in the west face of the tower became the principal entrance to the church, the base of the tower forming a porch leading to the west end of the north aisle of the church through a pair of glass doors.

A vestry to the south-east of the church was added in 1906 to the design of architects Grayson & Ould.

Interior

The stained glass is by: Kempe, Morris & Co. (all the windows in the north aisle), T H Wilford, Williams & Watson, Powell & Son.

The reredos and the font are of Caen stone.

The high altar is of carved oak to a design by Hastwell Grayson and constructed by Griffiths of Liverpool and commemorates the 50th anniversary of the church.

Designed by Charles Deacon and constructed by Hems, the chancel screen and existing choir stalls were installed in 1912.

Built by the Liverpool firm of Rushworth & Dreaper, the existing three manual pneumatic action organ was installed in 1926-27 with the opening recital by Herbert Ellingford (from St George's Hall, Liverpool) taking place on 17 February 1927.

Replacing the original 1927 electric lighting, present spotlamp-based scheme was installed in 1973.

Heating is by a condensing gas boiler feeding radiators under the windows.

Churchyard

The churchyard is accessed via the south door and was opened at the same time as the church. Subject to concluding formalities, the churchyard will be closed for burials (but not for interment of cremated remains) during 2018. The churchyard is professionally maintained.

Many years ago a row of 48 Leyland Cypress was planted. These are now causing a range of problems. They continue to grow and the higher they go, the greater the risk of failure. They are causing damage to graves. By forming a barrier between the upper section of the churchyard/Kings Road and the lower, newer section of the churchyard, visitors to the lower churchyard feel isolated and insecure. These trees were removed in accordance with a separate faculty in 2018.

The churchyard also contains a range of more suitable trees.

Section 2: The significance of the church (including its contents and churchyard) in terms of:
i) Its special architectural and historical interest
ii) Any significant features of artistic or archaeological interest

Please state if you have taken expert advice to help you define the significance, and from whom.

i) Special Architectural and Historical Interest

The church, vicarage and graveyard form a homogeneous whole typical of their period and form a noted landmark in Higher Bebington. The Grade II listed church is mentioned in the Cheshire volume of *Buildings of England* by Nikolaus Pevser and Edward Hubbard. We understand that it is the only public listed building in the Bebington Ward of the Metropolitan Borough of Wirral.

The use of local Storeton sandstone and the single piece construction of the interior columns are notable as is the lofty roof and tower with its shingle spire.

ii) Any significant features of artistic or archaeological interest

The stained glass is particularly noteworthy.

The organ is considered to be a fine example of its kind built by a well-regarded Liverpool firm.

An interesting specimen of a prehistoric footprint found in the local quarry was built into the tower entrance in 1899.

Section 3: Assessment of the impact of the proposals on the significance defined in Section 2

The proposed work will remove the existing cast iron rainwater goods and replace them with powder coated cast aluminium. The replacement gutters will be ogee section to match as closely the original gutters.

The roof and stonework repairs will be carried out under the supervision of the diocesan architect to ensure the appropriate skilled tradesmen will be utilised to undertake this work in an appropriate manner.

The proposed will not have any discernible impact on the appearance of the church and will ensure the fabric of the building is maintained in good order..

Statement of Needs

Section 1. General information

This should provide an overview of the parish and the current use of the building.

Overview of the Parish

Higher Bebington is a largely middle-class almost wholly residential area. In Victorian times it was a relatively poor agricultural village with a large quarry; it grew substantially in the 1930s and again in the 1950/1960s to become a densely packed suburb of Birkenhead albeit with a park, playing field (to the rear of the Church grounds) and Storeton Woods – a local nature reserve with fine views to North Wales.

The Parish includes two municipal housing schemes (Town Lane Estate and Brackenwood) dating back 40 – 50 years which exhibit a significantly lower index of multiple deprivation than other parts of the Ward.

The population is circa 11,000 and the turnover is low. The housing is predominantly semi-detached and about 80% is owner-occupied. From Storeton Woods it is a short walk past the Travellers' Rest down Village Road to the local shops in Teehey Lane and then on to the church. There are more shops beyond the church in Broadway.

Lower Bebington is immediately adjacent but is a much older community; St Andrew's Church dates back to Norman times.

Whilst there is some employment in Bebington in shops, schools and small office based businesses, most people work in Liverpool, Chester, Birkenhead, Ellesmere Port, Port Sunlight and Bromborough. Public transport and motorway links are excellent.

There are two infant schools and two junior schools in the parish plus a sports-oriented secondary school. Just into the parish of St Andrew's are two grammar schools. All the schools in the locality are well regarded.

There are two GP practices within the parish and three major hospitals nearby (Clatterbridge, Arrowe Park and St Catherine's).

Current Use of the Church Building

Sundays
8am
Holy Communion

10am
Holy Communion with choir; Sunday Club for the children – except for All Age Worship on the Second Sunday of the month

6.30pm
Second Sunday: Sung Evensong usually held in the chancel and led by the choir
Fourth Sunday: Fellowship Service (Informal, lay-led with a theme; includes hymns).

Weekdays
Daily: Morning Prayer at 9.15am daily except Wednesdays

Wednesdays: 10.30 Holy Communion held in the west end

Occasional Offices
Baptisms, Weddings and Funerals/Memorial services

Other events
Concerts, recitals etc

Section 2. What do you need?

Briefly explain your needs (not your proposals). Append any brief for your architect.

Our needs are to:

i) Existing rainwater installation is over 60 years old and is corroding and leaking in a number of location.

ii) Defects in rainwater goods is leading to leaks that are damaging areas of stonework

iii) Some minor roof repairs constrained by access constraints these can be undertaken from scaffolding installed to carry out repair/refurbishment of the existing installation.

All as detailed in the attached architect's brief

Section 3. The proposals

Set out what you are proposing to do in order to meet the needs set out in section 2.

To meet the needs set out in Section 2, we propose to:

i) Replace/refurbish the existing rainwater installation.

ii) Minor general roof repairs for installed access scaffolding

iii) High level stonework repairs.

All as detailed in the attached architect's brief

Section 4. Why do you need it and why do you need it now?

Justify your proposals by explaining why you can't meet your needs without making changes. Also include anything which may have prompted the proposals.

Essential works to maintain the fabric of the building.

Section 5. Justification

If the proposals are likely to harm the significance outlined in the Statement of Significance, explain how the proposals would result in public benefits which outweigh such harm (public benefits include matters such as liturgical freedom, pastoral wellbeing and putting the church to viable uses that are consistent with its role as a place of worship and mission).

The proposals are not likely to harm the significance outlined in the Statement of Significance.

CCHB Rainwater Installation – Architect's Brief

Contents

1. Definitions

1.1. The **Client:**

The Parochial Church Council of Christ Church Higher Bebington
Kings Lane
Higher Bebington
Wirral
CH63 8LX

1.2. The **Property:**

Christ Church Higher Bebington
Kings Lane
Higher Bebington
Wirral
CH63 8LX

1.3. The **Works:**

1.3.1. The replacement of the existing rainwater installation to the Property together with essential agreed roof maintenance and high-level stonework repairs that can be accessed from the working scaffolding.

1.4. The **Client's Representative:**

Ian Murray
Email: ian.g.murray@live.com
Mob: 07709 761 781

2. Scope of Service – General

2.1. The Architect shall provide a full architectural service for the Works as detailed in the RIBA plan of work. The following particular requirements are additional/supplemental to these services.

3. Scope of Service - Design

3.1. Design the gutter and downpipe sizes to ensure they are specified to meet rainfall run-off from the roof served by the installation based upon current design guidance on projected rainfall events.

3.2. Gutters and rainwater pipes to high level roofs are all to be replaced. Gutters to low level aisle roofs are to be replaced.

3.3. Survey the condition of rainwater pipes to low level roofs and aisle roofs to establish condition. Where the condition is good these rainwater pipes will be retained and painted to match the new installation.

3.4. The new rainwater installation will be in low maintenance cast aluminium with a powder coated finish, or similar low maintenance material, approved by the Client.

3.5. Revise the position of the downpipe from the nave north elevation to avoid the current discharge onto the aisle roof that is causing damp ingress at the tower wall withing the north aisle.

3.6. Review the design detail for the gutter fixing to mitigate potential problems caused when the property is re-roofed, and insulation is inserted into the new roof that changes the roof level. Discuss options with the client prior to finalising the design.

3.7. Survey the condition of high-level stonework to identify any areas that require maintenance that could be undertaken from the working scaffold erected to install the new rainwater installation.

3.8. Survey the condition of the main roofs to identify areas that require maintenance that can be served from the working scaffold erected to install the new rainwater installation. Current maintenance items identified during a recent inspection included (but is not limited to):

- Slipped and missing slates;
- Dislodged nave ridge tyles (see photo 1);
- Re-point nave roof copings;

3.9. Survey damp penetration at high level to the south aisle west window and detail repair works to rectify the problem.

3.10. Undertake all liaison/discussion that may be required with the diocese and provide all documentation that may be required should a faculty be required for the Works.

4. Scope of Service – Procurement

4.1. Advise the Client on the selection of works contractors to be included on a select tender list.

4.2. Advise the Client on the selection of the most appropriate Works standard form of contract suitable for the scope and scale of anticipated Works. Prepare all drawn and specification

information required under the Works Contract to fully define the Works and manage the procurement of the Works Contractor using Single Stage Competitive Tender process.

4.3. Review tenders and make recommendations to the Client on the selection of the proposed Works Contractor.

4.4. Undertake the duties of Principal Designer as defined under the CDM Regulation 2015.

5. Scope of Service – Construction

5.1. Administer the contract in accordance with the requirements of the Works Contract.

5.2. Visit site as and when required to ensure the regular progress of the Works is maintained and that the quality of the works complies with the contract.

5.3. Agree the Final Account with the Works Contractor.

5.4. Review Health & Safety file prior to issue to the Client.

6. Architect's Terms and Conditions of Engagement

6.1. The Architect shall be appointed under the RIBA Standard Professional Service Contract.

6.2. The Architect's standard Scope of Service shall be adapted to reflect the scope and scale of the proposed Works.

6.3. The Architect shall maintain the following insurances:

- **Professional Indemnity**: minimum cover of £1M
- **Employer's Liability**: minimum cover of £3M
- **Public Liability:** minimum cover £5M

6.4. The Architect's fee shall be 10% of the Works contract value. Payment to be made within 30 days in accordance with the payment schedule agreed with the Client.

6.5. Recoverable expenses to include travel to and from site at a rate of .45p/mile.

6.6. The Client's programme for the Works has a target completion date of 31st May 2021. The Architect shall provide an outline programme for project for Client approval.

7. Photographs

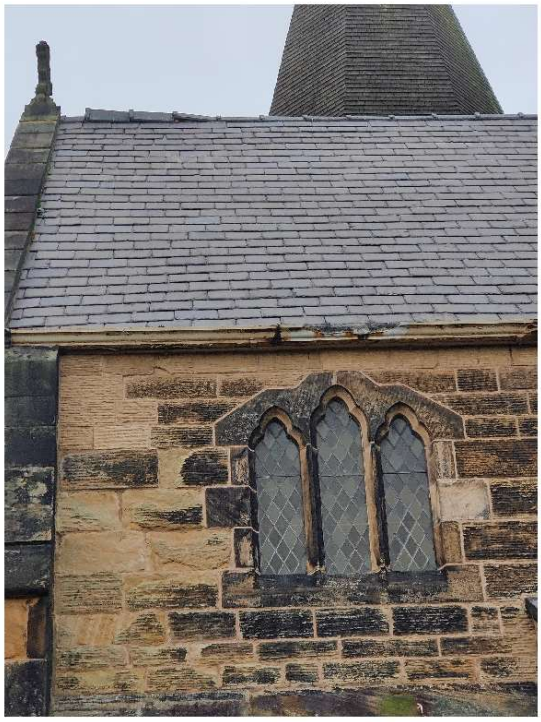

Photo 1 – Nave Roof

Our Ref: **GDH/JD/1114**

January 2022

GRAHAM HOLLAND ASSOCIATES

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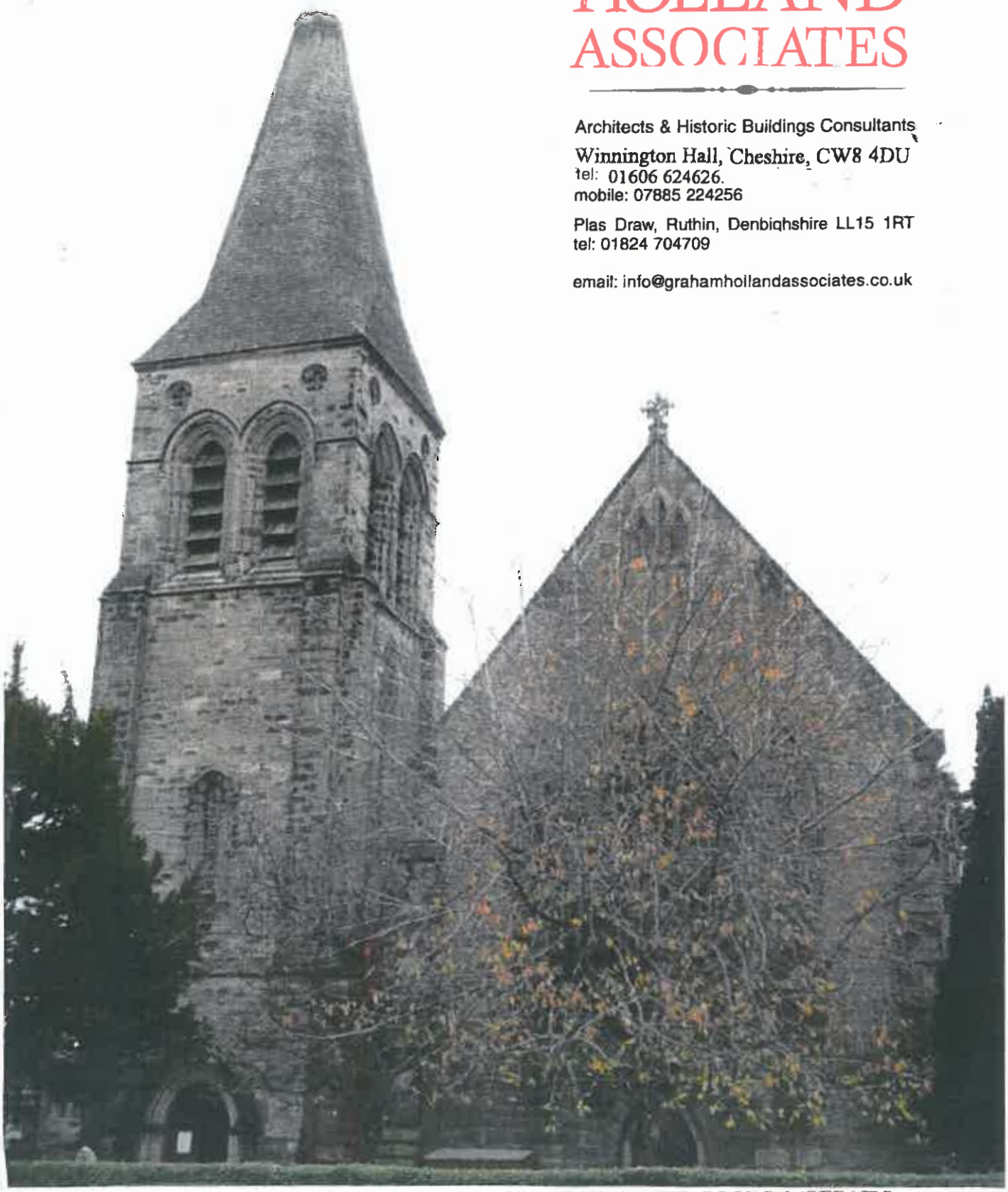

HIGHER BEBINGTON, CHRIST CHURCH; NEW RAINWATER GOODS & REPAIRS

Schedule of Work and Specification

Graham D. Holland, DipArch DipArchConsv RIBA, A.A.B.C.,
Associates: Nigel H. Lea, BA(Hons)Arch DipArch RIBA, Carl S. Thorgaard, BA(Hons) DipArch RIBA,

PREAMBLES

The Employer will be The Vicar, Churchwardens & PCC c/o

Point of Contact Mr. Ian Murray. Email: Ian.g.murray@live.com. Tel: 0151 608 5998. Mobile: 07709 76178.

The Architect will be Graham Holland, Graham Holland Associates,
Winnington Hall, Cheshire, CW8 4DU. Tel: 01606 624626.
And at
Plas Draw, Ruthin, Denbighshire, LL15 1RT, Tel: 01824 704709.

Mobile: 07885 224256.

Email: info@grahamhollandassociates.co.uk.

The Project Comprises Renewing the eaves gutters and the high level fall pipes; local repointing & repairs to the roof slating; local improvements to drainage.

Repairs to the tower bell stage sill string.

Drawings The cover shows the church from the west

.1 Roof plan and section at 1:50; details 1:5: location plan
.2 Tower elevations 1:200 & location plan
.3 Detailed elevation, 1:50; section, 1:100
Photographs
Alumasc spec. notes

Access The exterior is open to view with notice & internally, by arrangement with the employer.

Location The church is prominently located to the east side of Kings Road, Hr. Bebington, to the north of the village centre, post code CH63 8LX.

Pricing The work will be implemented as 'one contract'. A detailed priced schedule and programme of work will be required before order and for every valuation.

CDM On these works notification of the Construction (Design and Management) Regulations are unlikely to require notification due to the limited timescale on site for the work; the contractor is to include for carrying out all duties of the Principal Contractor, as defined in the Regulations and, within the permitted timescale.

These duties include taking account of the Health & Safety issues when preparing and presenting tenders or similar documents; co-ordination of the activities to ensure they comply with the legislation.

A statement of compliance with CDM Regulations is to be provided, covering such matters as knowledge, resources, management structure etc., to enable the client to be satisfied that the Contractor is competent to carry out the work in accordance with the regulations

Conditions and Site Work Risks and to be assessed by the contractor before works commence:

	Risk Level
The Contractor must visit the site prior to tendering to acquaint himself of all aspects and details of the works and restrictions of the site.	**Note**
Note the boiler cellar access to & shrubbery to the east.	**High**
The site is exposed – winds – assess and take precautions.	**High**
Limited off street parking by the 'Hall to the west.	**Med**
Public access – possible conflict.	**Note**
Access for the works is to be from the west & north west gate including via the Vicarage Drive; ensure general access is maintained.	
History of local vandalism – need for a high degree of security on site.	**H**
Busy access roads & traffic hazards.	**H**
Slippery surfaces and limited working areas.	**H**
Working at high level.	**H**
Non-injurious materials to stonework and pointing except dust during raking out.	**Med**
Contact with lead	**High**
Sharp edges with steelwork & fixings - do.	**H**
Working adjacent to fragile finishes & windows; and over adjacent slated roofs.	**H**
Working with heavy materials and lifting gear, use proper gear.	**H**
Known site services; drain adjacent to the building; electrics internally.	
Access to the north west & south doors and to the adjacent churchyard & Vicarage must be maintained and protected at all times.	**H**
No Sunday working will be permitted.	**Note**
The church & adjacent church hall will continue to be used during the works.	**Med**
There is a supply of electricity and water free of charge for the use of the Contractor.	**Note**
The Contractor must provide his own lavatory; to be sited adjacent to the works & with the agreement of the employer and subject to strict cleanliness.	**Note**

Hr. Bebbington, Christ Church.

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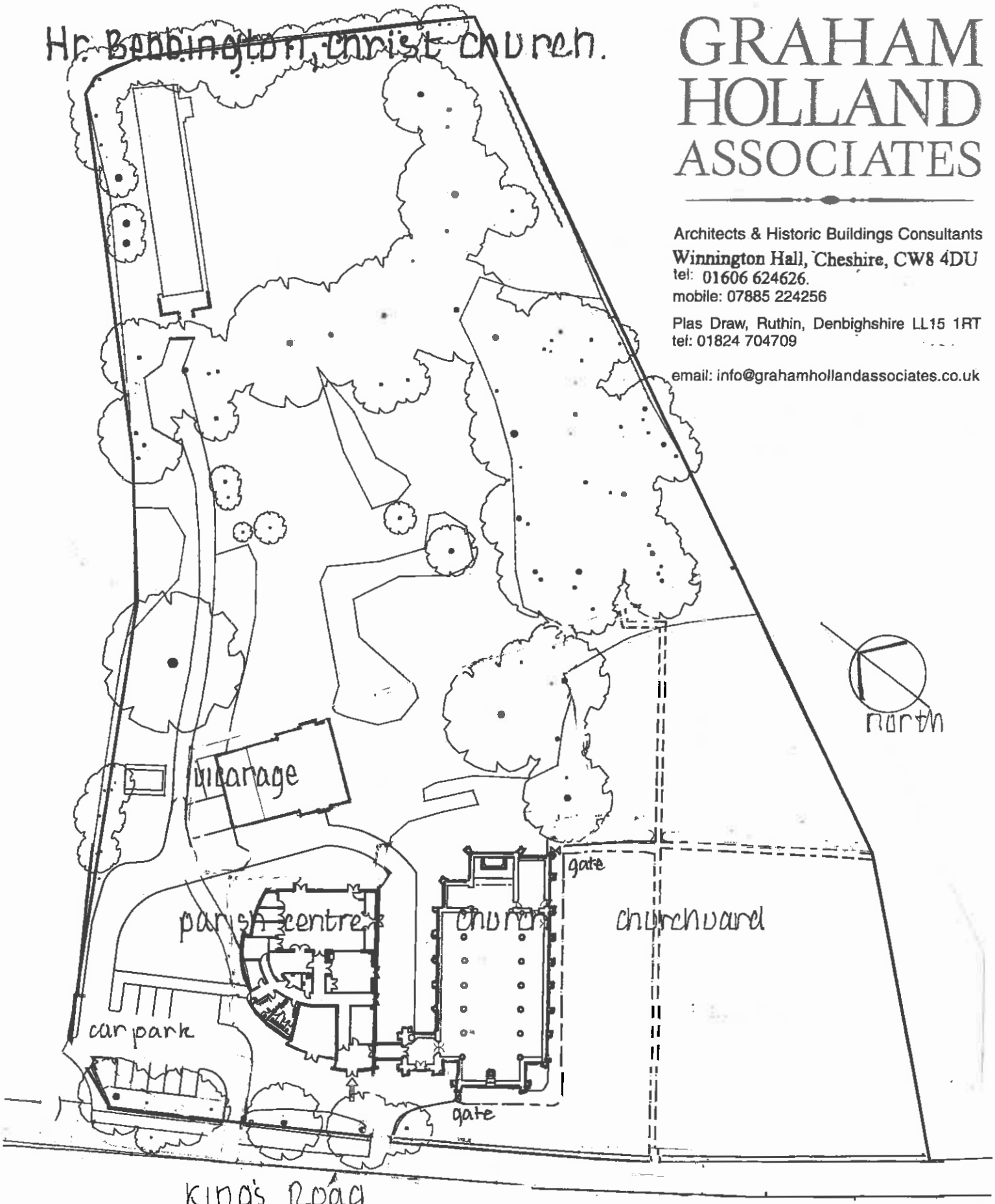

location & site plan

Renewal of rainwater goods & Repairs; Dec'21, 1114.3

do not scale

GENERAL CONDITIONS OF WORK, MINOR WORKS 'CONTRACT, 2016 EDITION

A. **Form of Contract:** The Contractor will be required to sign the Agreement For Minor Building Works, issued by the Joints Contracts Tribunal Ltd, together with the Contract drawings and the Specification and schedule. To be signed 'under hand'.

The Articles of Agreement may be examined at the Architect's office.

The following is a list of the Schedule of Conditions for which the Contractor is to make due allowance in his tender:

Section 1	Intentions of the parties
Section 2	Commencement and completion to be stated on the tender form; damages £250 per week; the 'rectification period' is to be 12 months
Section 3	Control of the Works
Section 4	Payment: 21 days from issue of interim certificate; Retention: 5% (2.5% after practical completion); final certificate; 12 months
Section 5	Contractor's insurance: to be minimum £5,000,000 Injury, damage and insurance: clause 5.4B will apply.
Section 7	Determination Settlement of disputes: RIBA.

B. **Finance Act 1975:** The Contractor's attention is drawn to the Construction Industry Statutory Tax Deduction Scheme provided for in the Finance (2) Act 1975 and all subsequent revisions. The provisions of the scheme are set out in the Board of Inland Revenue booklet IR 14/15 (1982) and subsequent revisions. If the Employer is a 'Contractor' within the meaning of the Act, the Contractor will be required to satisfy the Employer that he holds a valid Sub-contractor's Tax Certificate before making payments to them.

C. **Insurance of the Works:** The Contractor must satisfy the Employer that adequate insurances have been taken out to cover the works and /or as required, satisfy himself that the Employer has taken out required insurance cover as in the case of works to existing buildings.

D. **Pricing the Specification:** All figures entered by the Contractor should be in ink. Should the Contractor leave unpriced any items contained in the Spec/Schedule he shall be deemed to have included elsewhere in his tender for the obligations and services described therein.

The Spec/Schedule has been prepared from and in conjunction with the noted drawings. The tenderer is to include for all the works noted on the drawings; any apparent omission in the Schedule shall be deemed to be included.

The Contractor must examine all the documents and the site of work and satisfy himself of the full scope of the works prior to tendering.

E. **Visit to Site:** The Contractor is strongly advised and will be deemed to have visited the site prior to tendering and have examined the works in detail; where the building is secure permission to enter must be obtained from the Employer with notice given to the Architect.

F. **Alterations:** No unauthorised alteration, deletion or addition is to be made by the Contractor to the text of the Spec/Schedule, and any alteration, if made, will be deemed to be ignored and the text of the Spec/Schedule as printed will be adhered to.

The tender figure submitted by the Contractor shall be deemed to be a true resultant total from correct arithmetical extensions of all his rates.

G. **Checking:** The Spec/Schedule of the lowest tender received will be arithmetically checked, and if any errors are discovered these will be corrected and carried to the Final Summary. The Contractor will be notified of any such adjustments, and he shall be given the opportunity of agreeing to these adjustments, or of withdrawing his offer. The Contractor will be deemed to have satisfied himself before submitting his tender as to the correctness of his tender as a whole and of the prices and rates entered in the Spec/Schedule, which prices shall cover all an agreement, or otherwise on entering into a Contract, it will be deemed and constructed as an acknowledgement on his part that he has so satisfied himself.

The amount of the tender will be the sum at which the Contractor engages to execute the whole of the works as shown on the drawings and set forth in the Specification and any item left unpriced in the Specification will be held to be included in the prices of other items.

Due allowance must be made in the tendered programme for undertaking any repairs or works presently covered by contingency and provisional sums.

The dates for commencement and completion are to be quoted on the contract form, a detailed programme; detailed itemised priced Specification and Schedule will be required prior to an order being placed.

A. **Name Boards:** Provide and erect a comprehensive signboard to display the style of the contract, together with particulars of the Contractor. The Architect, Quantity Surveyor and other professionals. Grant aiding Authority, e.g. the H.L.F., will supply their own name boards each, size approximately 300mm x 1200mm for fixing by the Contractor. The signboard is to be designed and constructed in a form prescribed by and agreed with the Architect.

B. **Advertising Rights:** Under no circumstances will the Contractor be allowed to use hoardings on any part of the building for advertisement purposes.

C. **Maintain Services:** The Contractor shall maintain and protect public property including that of existing live drainage, water, gas, electricity and other mains, or power services, under, on or over the site and is to make good or pay for reinstatement of all damage thereto.

D. **Delivery of Materials:** The Contractor's attention is drawn to the increasing delays experienced throughout the trade in respect of materials deliveries and he is strongly recommended to ensure that orders are placed in adequate time with the manufacturers to ensure delivery when required. Attention has been particularly directed to this as no extension of contract time will be permitted for non-delivery of materials or equipment.

E. **Samples:** The Contractor shall furnish at his own cost any samples of materials, colours or workmanship, as may be called for by the Architect for his approval or rejection, and any further samples in the case of rejection, until such samples are approved. The Architect may reject any workmanship or materials, which are not in his opinion, up to the standard of the approved samples.

F. **Dayworks:** No charges for day work will be allowed as such unless the Architect for the work shall expressly direct it to be done as daywork or unless the work cannot from its character be reasonably valued by measurement. All vouchers for daywork are to be delivered to the Architect within seven days following the week in which the work may have been executed.

G. **Re-Measurement:** Allow for giving due notice to the Architect whenever works requiring inspection of any kind are ready for covering up. If this is not done the Contractor will be required to remove any such work and cover up again entirely at his own expense.`

H. **Accounts:** The Contractor will be required to produce invoices and receipted accounts for all items as Prime Cost or Provisional Sums.

I. **Areas of Operation:** Allow for taking all reasonable precautions to prevent work people, including those employed by sub-contractors, from trespassing on adjoining owner's property or any part of the land or premises which are not at the time connected with the works. If the Contractor wishes to erect scaffolding on, or otherwise make use of adjoining and or properties, he shall allow for serving notices, obtaining permissions, and clearing away and making good any damage at his own expense and paying any costs and charges in connection therewith.

Allow for confining to as small area as practicable, any operations which will affect the surface of the site and for protecting the paved courtyard and parking area. Any damage by the Contractor and/or his sub-contractors is to be made good at his own expense.

The Contractor's attention is drawn to the fact that any closely adjoining sculpture, features, plants, shrubs and lawn must not be damaged. A temporary covering of plywood or similar material shall be erected to protect shrubs etc. from mechanical damage or mortar or other material deposit. All damage is to be made good at the Contractor's expense.

J. **Attendance**: Allow for all attendance of one trade upon another, including cutting away for and making good after all trades, and leave all perfect on completion.

K. **Artists & Tradesmen:** The Contractor shall permit the execution of the work not forming part of this contract by Artists, Tradesmen or other engaged by the Employer. Every such person shall be deemed to be a person for whom the Employer is responsible and not be a sub-contractor.

Allow for use by Artists and Tradesmen of the Contractor temporary roads, pavings and paths, standing scaffolding, standing power operated hoistings plant, the provision of temporary lighting and water supplies, clearing away rubbish, provision of space for the Artists and Tradesmen's own offices, and for the storage of his plant and materials and the use of messrooms, sanitary accommodation and welfare facilities.

L. **Materials for the Works & Workmanship:** Materials, goods and workmanship shall be to the satisfaction of the Architect and shall be to the best of their respective kinds and shall apply where applicable to the current British Standards and/or Codes of Practice. Preambles and description of materials, goods and workmanship given in any one section or trade shall apply throughout the Specification/ Schedule. All setting out, levels, drawings and dimensions are to be checked by the Contractor before and as work proceeds.

A. **Noise Control:** The amount of noise on the Works is to be kept to a minimum; the Contractor must note Section 60 of the Control of Pollution Act 1974 with reference to the control of noise, especially where the works are adjacent to occupied property, ascertain what requirements or restrictions, if any, shall apply to the Works.

B. **Provide All Plant, Tools, Scaffolding & Protection:** Provide, maintain and install all necessary hoists, ladders, scaffolding, staging tackle, tools and other plant (mechanical and otherwise) and allow for altering, adapting and maintaining them as necessary for the proper execution of the works in accordance with current British Standards, Codes of Practice and the requests of Health & Safety and all other applicable legislation.

a. **Generally** Where the building is insured by the Ecclesiastical Insurance Group, the scaffolding is to be fully enclosed by minimum 18mm exterior grade plywood sheeting or steel sheeting hoarding to a minimum height of 4.8 metres, and, similarly above any climbing points, on the building, cills offsets and the like. All plywood sheeting must be fixed to 75mm x 100mm timbers. The timbers must be either clipped to the scaffolding by appropriate scaffold clips, or secured to a substantial stand-alone timber frame complete with adequate internal bracing to prevent collapse if attacked. (note oriented strand board (OSB) is not an acceptable form of hoarding).

b. All joints of the plywood or steel sheeting facing are to be tightly butted to prevent tools being used to prise them apart.

c. **Fixing** 100mm annular ring shank nails at 150mm centres are to be used to fix the plywood boards to the timber frame. Tamper proof screws may be used as an alternative.

d. The bottom of the hoarding is to follow the contour of the ground leaving no gaps between the hoarding and the ground.

e. Where the hoarding abuts a building the plywood or steel sheeting is to cut to match closely the contours of the building to prevent any gaps being formed.

f. **Doors & access** All lower level ladders including access ladders to any scaffolding are to be removed from the site or secured & rendered unusable and inaccessible at the end of each days working.

g. Any doors let into the hoarding are to be of exterior grade solid wood type fitted in a purpose built frame. The door and frame must be flush with the exterior face of the hoarding. Heavy duty 75mm x 100mm steel butt hinges are to be used to hang the door, the hinge pin being burred over to prevent it being driven out. A minimum of 3 hinges to be fitted to any door.

h. A 'Yale' latch type lock is to be fitted to all doors. When the site is not attended doors must be secured by a heavy duty locking bar, secured to the door and frame by bolts bolted through. The locking bar must conceal the bolt heads. A heavy duty close shackled padlock conforming to at least BS EN 12320 security grade 4 and designed for external use will be used to secure the locking bar.

i. **Lighting** The exterior of the hoarding is to have floodlights (500w) angled out and towards the ground at a height of three metres from the ground and not more than four metres apart. These lights are to be switched on by 'PIR' detectors during darkness.

j. The inside of the scaffold is to be adequately lit with floodlights angled inwards and up through the scaffold illuminating its entire height. These lights must be switched by photo-electric cell for illumination at night only.

k. **Intrude detection** The scaffolding is to be protected by a scaffolding alarm system installed in accordance with the NSI Code of Practice for the design, installation and maintenance of scaffolding alarm systems NCP 115.

l. The system is to be installed and maintained by a company on the official list of recognised firms of the NSI or SSAIB inspectorate bodies and must also appear on the local police force list of compliant companies.

m. The system is to combine notification locally by an instantaneous audible device activation together with notification to a permanently manned alarm receiving centre conforming to BS 5070 or BS EN 50518 via a minimum Grade 2 alarm transmission system under BS EN 50136. The system must be designed to utilise combined PIR detectors and cameras to detect unauthorised movement. Images from devices must be reviewed by the manned alarm receiving centre and action taken if unlawful activity is identified.

n. A copy of the scaffolding alarm system design proposal is to be sent to Ecclesiastical for approval. The specification must include confirmation by the alarm company that, either sub-contractors will not be used or specify the extent to which sub-contractors will be used where appropriate.

A. **Provide All Vehicles and Transport:** Provide all necessary transport for labour, materials, plant etc. for the works.

B. **Site Meetings:** All for arranging site meetings at regular intervals as required by the Architect.

C. **Protection, Lighting & Watchmen:** The Contractor shall provide all requisite protection upon and adjacent to the site as may be necessary for the public safety, including all lighting barriers, etc. and he shall protect the works whilst in progress and he shall be held responsible for and must indemnity the Employer against all actions, claims, loss, damages or costs brought, taken or incurred by any person or persons consequent upon negligence of the Contractor or his workmen, and also in respect of all accidents and damages to persons, vehicles, etc. or for trespass during the performance of this Contract. The building and contents are to be kept fully protected and secure at all times and particularly when the site is unattended.

D. **Protection of the Works From the Weather:** Allow for providing and maintaining all necessary protection and coverings of the building, fittings, new and existing works to prevent injury by frost, wet, or other inclement weather and removing and reinstating all damaged works which the Architect decides have not been adequately protected.

The Contractor's attention is drawn to the fact that any existing structures must not be overloaded and materials must not be stored thereon and any temporary storing or supports must be provided and maintained to protect existing structures.

Any damage to existing or new works and contents or surroundings arising from the works shall be made good by the Contractor.

E. **Site Practice:** The playing of radios, consumption of food, smoking are not to be permitted within the site area, building or on the roof. The site works are at times to be maintained in a tidy and clean state to the satisfaction of the Architect.

F. **Casing up & Protection:** Allow for casing up and protection of all new and existing works and fittings in all trades as necessary during the execution and until completion of the works and reinstating as last described.

In the case of Ecclesiastical buildings where an organ is fitted, this is to be fully protected against dirt, impact and ingress of water to the satisfaction of the Architect and Employer.

G. **Water for the Works (see Scope of the Work):** Where an adequate water supply for the works exists on the site, this may be used with the Employer's permission.

H. **Temporary Lighting & Power (see Scope of the Work):** Where an adequate lighting and power supply for the works exists on the site, this may be used with the Employer's permission with adequate counter charge agreement or as stated in the schedule.

I. **Temporary Accommodation:** All necessary temporary accommodation for the storage of materials is to be provided by the Contractor and located as agreed. All compounds, site cabins, plant and material storage are to be positioned to the satisfaction of the Employer, Architect and Local Authority.

The Contractor must ensure that only small quantities of the materials are stored day by day.

The Contractor shall ensure that gas cylinders (calor, propane, or other gases) whether full or empty are, when not in use, to be stored in a secure place constructed of non-combustible materials, well ventilated and away from sources of heat.

The Contractor must provide for all temporary sanitary accommodation and the cleaning of same.

J. **National Insurance & Injury:** Pay all contributions and expenses incurred in complying with the requirements of the current Social Security Act and with the National Insurance (Industrial Injuries) Act Order (Employers Liability Insurance) Redundancy Payments Acts.

In addition to be liable for and indemnifying the Employer against loss, liability, claim or proceedings as stated in the conditions, the Contractor is also to insure against such risks. The Contractor will be responsible for ensuring that all sub-contractors are similarly insured.

K. **Maintenance of Roads:** The Contractor shall ensure that roads and footpaths in the approach to the site are kept free of mud and debris, and that damage, beyond fair wear and tear is caused to the public and private roads and footpaths by site traffic. In the event of any damage being so caused or expenses being incurred, the Contractor is to make good or pay for the reinstatements to the satisfaction of the Employer, Architect and Local Authority.

L. **Clearing Away:** Take down and clear all plant and temporary works, including sanitary convenience, mess rooms, offices, sheds etc. otherwise described and make good. Remove all existing rubbish, (including that of sub-contractors), surplus materials as they accumulate and at completion, clean floors, pavings and external surfaces, and leave the works clean and tidy.

			£	p
	3. SCHEDULE OF WORK			
	GENERALLY			
A.	**Preparation**	Provide and maintain all necessary plant, scaffolding, equipment, tools and materials for the proper execution of the works in accordance with these preliminaries, preambles and general specification and all current British Standards, Codes of Practice and Legislation and to comply with all Health and Safety requirements.		
B.	**Protection**	Provide protection to all areas, including the roofs & windows, remove temporary works on completion.		
C.		The Contractor is to report and make good any damage caused, without delay and to the satisfaction of the Architect. Any new materials or fixings damaged during the works are to be replaced by the Contractor.		
D.		Protect electrical supply cables and equipment in accordance with current IEE Regulations.		
E.	**Assess**	Assess the ground and roof structure for the support of work loads and make adequate provision for additional loading during the works.		
		All areas to determine extent of work before tendering and report to Architect during works and take instructions.		
G.	**Access**	Provide as required to all areas of work.		
H.		There is no reasonable vehicular access to around the church and a suitable 'cherry picker' may be possible – contractor to assess before tender.		
I.		Any fixed scaffolding at ground level is to be enclosed with metal sheeting to 4m. without any protruding poles or crawlways. The ends of poles adajcent to the structure are to be protected with plastic caps.		
J.	**MATERIALS**	Workmanship and materials are to be as described below and in the specification notes '4' following, and, in all cases used strictly in accordance with the manufacturer's recommendations. And the specification notes provided by Messrs. Alumasc. Email: info@alumasc.co.uk & alumascwms.co.uk.		
K.	**Fixings**	And reinforcements to be grade 316 stainless steel and, where into stonework be into existing positions or joints.		
..	**Access**	Provide as required to facilitate the works.		
M.	**Taking out**	Carefully remove the existing cast iron pipes & gutters; clear from site from the north & south clerestories & chancel. Ditto gutters only from the north & south aisles. Remove eixsting fixings.		
N.	**Check on site**	All details & dimensions for the renewal of new sections to all areas.		
O.	**New gutter pipes**	Provide & fix new 'Alumasc' cast aluminium, factory finished 'grey' 150 x 100 ogee moulded '46' to all areas notes, including all fittings required.		
P.		Gutters are to be 125mm. ogee pipes 100m, diameter with direct connection to the clerestory & chancel gutters (ie. without hoppers).		
Q.	**New positions**	Include to relocate pipe no. to the east.		
R.		And to provide new fall pipe down to ground level no. a. to drain gulley. Noted to be provided.		

			£	p
A.	**Location of works**	As shown on dwg. no.1 & scheduled below; aspects are described referring to true north.		
B.	**Existing pipes**	To the aisles & vestries be repainted to match the new.		
C.		Descale undercoat & oil gloss Dulux or similar equivalent; to manufacturer's specification; ensure all 'pipe backs' are painted.		
D.	**North aisle**	The existing nos. 1 & 2 & hoppers are to remain in situ, renew gutter.		
E.	**Organ chamber**	Pipe & gutter previously renewed, to remain in situ.		
F.	**Chancel north & south**	Pipe nos. 4, 5 & 6 & 7 gutters to be renewed complete.		
G.	**Vestry**	Pipe no. 8 to remain.		
H.	**South aisle**	Pipe nos. 9, 10, 11 & 12 & hoppers to remain; gutter to be renewed.		
I.	**South clerestory**	Pipe nos. 16, 17 & 18 & gutter to be renewed complete.		
	North clerestory	New pipe no. 14a. Pipe no. 14 to be repositioned. Pipe nos. 15 & 16 & gutter to be renewed complete.		
K.	**Offsets**	Where required are to be with 'slow' bends.		
L.	**New gulley**	And drain to new pipe position 14a. Excavate for provide & lay 100mm. diameter upvc pipe to falls laid in gravel.		
M.		Provide & lay dished terracotta gulley into concrete bed; haunch & point up to the adjacent walls.		
N.		Form connection to existing gulley drain no.13. Back fill to trench and make good to tarmacadam.		
	ROOF OVERHAUL & REPOINTING			
O.	**Assess**	At tender and include to refix notionally 20 loose slates. Adjust pro rata as completion.		
	Repointing verges	To local areas of general walling as scheduled and noted on the dwg. and annotated photographs.		
Q.	**Walling**	Notionally 4sq.m. accessible from the scaffolds provided for the clerestory gutter renewals.		
R.	**Verges**	Up to the gable parapets east end of the nave complete.		
S.		Include to remove vegetation dig out and the roots and poison any remains.		
T.	**COMPLETION**	Clear all debris, equipment, plant and unused materials and leave the site clean, tidy and free of defect.		
U.	**Contingency**	Include the sum of £1,000 (one thousand pounds) for sundry repairs to the existing retained pipes.	1,000	00
		TOTAL TO TENDER		

			£	p
	TOWER STONEWORK Repair of recent damage to be quoted for separately			
A.	**Generally**	Include for all preambles & preliminaries as described.		
B.	**Access**	Provide as required to gain access to the works, to the projecting string course below the bell louvers.		
C.		As noted on the plan & illustrated in the attached photographs.		
D.	**Cut back**	The damaged sections of the string course and for 100mm. to either side of the damage or the adjacent joint whichever is closer.		
E.	**New stone**	To be Woodkink or similar as agreed with the architect, provide a sample for approval.		
F.		Provide and form to profile as existing.		
G.	**Cut out**	To provide 125mm. depth.		
H.	**Renew**	Build in; dowel each section back to existing with 200mm. long, 12mm. diameter threaded stainless steel dowels resin bonded.		
I.	**Mortar**	Bed & point with NHL 3.5:1:1 & brush finish.		
		TOTAL TO TENDER		

5.0 REPOINTING TO BRICK AND STONEWORK

Site Conditions

Because the conditions in which the mortars are placed can have a significant effect on their performance, the work area must be protected from rain and rapid drying by wind or sun, and must not take place when the temperature is likely to fall below 5°C over the next seven days.

Joint Preparation

Joints should be carefully cut out using quirks. This may be preceded by stitch drilling or the use of diamond discs provided that no damage is caused to arises and no over-running take places, especially on perps. The depth of cutting out is to be 40mm back from the face, cutting to a square sound face. If deterioration has taken place to a depth in excess of 40mm then the void at the back of the joint should be wetted up and firmly tamped with mortar, leaving a 40mm void for pointing. At this stage, any replacement bricks required should be installed, cutting out and retaining in a labelled box as salt damaged brick. 40mm depth should be left around the brick replacement for pointing.

Binder Material

The binder is to consist solely of natural hydraulic lime NHL3.5. Data sheets for the lime used must be obtained and retained as part of the record. The NHL selected must have a minimal calcium aluminate content.

Aggregates

The aggregates are to consist solely of sharp, well-graded, well washed sand and grit and well graded washed porous limestone. The porous limestone should be well washed and graded Guiting or similar limestone. All aggregates must be wet sieved to ensure they are free from adherent clay contaminants and must be accurately batched using gauge boxes.

NHL3.5	Blended Sands	Limestone
St Astier 1.0	1.5	0.5

Grading of Blended Aggregates

The blended sharp sand and limestone aggregate should match closely the following grading. The evenly distributed grading between 1.18mm and 150 microns is of particular importance.

Aggregates retained on	5.0mm	0%
	2.36mm	10%
	1.16mm	20%
	600 micron	20%
	300 micron	20%
	150 micron	20%
Finer than	150 micron	10%

Batching of Damp Aggregate

Volumes of aggregate recommended are based on dry volume. Allowances must be made for the bulking of damp material as follows:-

$$\frac{\text{Dry volume of sample} - \text{damp volume of sample}}{110} = \% \text{ of additional aggregate required}$$

Protection of Aggregate

Blended aggregates must be protected on the site from rain to avoid migration of fines.

Mortar Mixing

Aggregates and lime should be blended together dry in a tilting drum mixer to which enough water is added to prevent excessive dust and to wet up all the constituents. The mixing should take place over 20 minutes and left to stand. After a period of not less than 10 hours and not more than 16 hours the mortar should be remixed with the additional water for a further 20 minutes, raising the drum mixer nearer a horizontal position to encourage the mix to drop from the sides. The addition of two large cobble stones to the mixer is of assistance in compacting the material as it is mixed. When the mortar is ready to be transferred to wetted spot boards for pointing, the consistency should be stiff but with good workability.

Mortar Placing

The mortar must be protected with plastic sheet and hessian from rain, sun and especially from wind for a minimum period of seven days, longer if weather is particularly bad. In the unlikely event (during the winter) that the work becomes dry during this period, protection should be fitted and light water misting applied from time to time.

6.0 STONEWORK AND BRICKWORK REPAIRS AS NOTED IN THE SCHEDULE

Unsafe Stones

Carefully examine for report to Architect and shore any insecure sections of brick or stonework and remove those decayed, loose or dangerous, all as directed by the Architect and noted in the Schedule or on the drawings.

Replacements

Stones and bricks removed or missing are to be replaced as directed with new from a source to be agreed with the Architect, and as similar as possible in bearing strength, porosity, permeability and appearance to the original.

Bedding

All new stones are to be correctly bedded with their natural bed at right angles to loads or thrusts except where otherwise instructed. The lines of all mouldings, curves, angles etc. are to be worked out of solid, as directed. No angle mitre-joints will be permitted, and, except where expressly otherwise instructed, no new stone shall be of less depth than 120mm from face of the wall or where projecting not less than rwice the projection.

Jointing

New mortar joints are to be of width, exactly matching the existing and equal to a sample to be approved by the Architect. Joint lines are to be maintained exactly or as far as possible as present.

Mortar

Mortar is to be generally as specified and nearly as possible to match to the original as approved after careful experiment.

Cramps

All harmful iron cramps and fixings are whenever possible to be removed and replaced as directed either by bronze Delta Bronze no.4 grade 316 stainless steel, copper or other approved non-ferrous metal or as noted in the schedule. Cut away in courses cramps where directed. Afford all necessary additional and temporary support.

Carving

Include to photographically record all work to be renewed before removal. Detail carving where required in new work is to be done either on the ground or in position as directed, and by professional carvers. Old carved work is to be reincorporated where possible and soundly and properly keyed and cramped into the new work as directed.

Carefully re-fix any fallen or previously removed decorative features wherever directed securely cramped into walling as instructed on the site and as above.

Dressing Off Stonework

To stonework where noted on the drawings. Report to Architect before, during and after completion of each stage for detailed site instructions.

Carefully remove all loose and friable surface stone by tapping, re-tooling and hard bristle brush or water lance as directed after experiment on site, to present an even texture to the whole wall including chamfer to joints to prevent water-holding ledges.

Mouldings are to be treated in a similar way, under direction of Architect, to correct destructive water channelling.

Tile Repairs

To minor defects where or directed on site, carefully cut back to 100mm deep and form squared pocket build up with reclaimed red plain clay roof tiles in courses, edges exposed to be roughly cut to approved sample. Bed and point in mortar as above and tamp brush back. Generally to match similar repairs.

R10 Rainwater Drainage Systems

2 To be read with Preliminaries/General conditions.

GENERAL

110 GRAVITY RAINWATER DRAINAGE SYSTEM.
Rainwater outlets: As per detail sections below
Gutters: As per detail sections below
Pipework: As per detail sections below
Accessories outlets: As per detail sections below

SYSTEM PERFORMANCE

210 DESIGN
Design:Complete the design of the rainwater drainage system
Standard:To BSEN12056-3:2000,clauses 3-7 and National Annexes
Proposals: Submit Drawings, technical information, calculations and manufacture's literature.

221 COLLECTION AND DISTRIBUTION OF RAINWATER
General: Complete, and without leakage or noise nuisance

230 DESIGN PARAMETERS - GENERAL
Roof and gutter construction and finish: As per detail sections below
Design Rate of rainfall: As per BSEN12056-3:2000, National Annex
NB.2 - Category 1
Available capacity of existing below ground drainage (maximum):
TBC

PRODUCTS

311 HERITAGE ALUMINIUM GUTTERS

Gutters and fittings to: BS 8530
Manufacturer: Alumasc Exterior Building Products Ltd, White House Works, Bold Road, Sutton St Helens, Merseyside WA9 4JG
Tel: 01744 648400, Fax: 01744 648401.
Email: info@alumasc-exteriors.co.uk
Reference: Heritage cast aluminium rainwater system
Profile: Moulded No 46
Size: 150 x 100 mm
Outlet Size: 100 x 100 mm
Type / grade: Made from LM2 and LM6 grades of Aluminium alloy to BSEN1559:1997, BSEN 1676:1997 and BSEN 1706:1998
Finish: Polyester powder coated to BS EN 12206-1:2004
Colour: To be advised
Jointing: Gutter lengths, or fittings are overlapped at the joint with a spigot and socket. Slots are provided for fixing using M6 mushroom head aluminium screws with nuts and washers. Seal evenly across the joints with Dow Corning 791.
Fixing: Fascia bracket fixed at 915mm centres and at each fitting using

number 12x38mm round head twin thread screws and washers bright zinc plated. The Ogee and moulded may be direct fixed using countersunk number 12x38mm twin thread screws and washers bright zinc plated gutter screws at 600mm centres.
Finish: Polyester powder coated to BS EN 12206-1:2004
Colour: To be advised

370 HERITAGE ALUMINIUM PIPEWORK FOR EXTERNAL USE:
Pipes, fittings and accessories: To BS 8530.
Manufacturer: Alumasc Exterior Building Products Ltd, White House Works, Bold Road, Sutton St Helens, Merseyside WA9 4JG
Tel: 01744 648400, Fax: 01744 648401.
Email: info@alumasc-exteriors.co.uk
Reference: Heritage cast aluminium rainwater system.
Accessories: Bends, Branches, Access Pipes, 2 Piece Offset, Shoes, Rainwater Head, Pipe Clips
Size: 100 x 100 mm rectangular
Type / grade: 6063 TF alloy
Fixing: Pipe clip fixed at maximum 2.0m centres. Plug and screw to wall with number 12 x 50mm round head twin thread screws and washers bright zinc plated to BS 1706:1960 Class ZN3. Seal internal spigot joints with Dow corning 791 silicone sealant allowing for a 3-4 mm vertical thermal movement gap.

EXECUTION

600 **PREPARATION specified in this section, ensure that:**
- Below ground drainage is ready to receive rainwater or that the discharge can be dispersed by approved means to prevent damage or disfigurement of the building fabric.
- Any specified painting of surfaces which will be concealed or inaccessible is completed.

605 **INSTALLATION GENERALLY:**
- Install pipework/gutters to ensure the complete discharge of rainwater from the building without leaking.
- Obtain all components for each type of pipework/guttering from the same manufacturer unless specified otherwise.
- Provide access fittings and rodding eyes as necessary in convenient locations to permit adequate cleaning and testing of pipework.
- Avoid contact between dissimilar metals and other materials which would result in electrolytic corrosion.
- Do not bend plastics or galvanized steel pipes.
- Adequately protect pipework/gutters from damage and distortion during construction. Fit purpose made temporary caps to prevent ingress of debris. Fit all access covers, cleaning eyes and blanking plates as the work proceeds.
- Where not specified otherwise use plated, sherardized, galvanized or nonferrous fastenings, suitable for the purpose and background, and compatible with the material being fixed.

610 **FIXING AND JOINTING GUTTERS:**
- Fix securely at specified centres and at all joints in gutters, with additional brackets near angles and outlets.
- Provide for thermal and building movement when fixing and jointing, and ensure that clearances

are not reduced as fixing proceeds.
- Seal as specified to make watertight.
- Spread jointing compound evenly over jointing face of socket.
- For gutters with bolted joints, tighten joints in the gutter sole before any other bolts. Fit suitable washers, and spacers to prevent overtightening, unless specified otherwise.
- Tighten fixing to squeeze out some compound.
- Remove surplus, squeezed out compound and neatly clean off.
- Ensure that roofing underlay is dressed into gutter.

615 **SETTING OUT EAVES GUTTERS - TO FALLS**
- Set out to a true line and even gradient to ensure no ponding or backfall. Position high points of gutters as close as practical to the roof and low points not more than 50 mm below the roof.
- Position outlets to align with connections to below ground drainage, unless shown otherwise on drawings.

630 **RAINWATER OUTLETS: Ensure that:**
- Outlets are securely fixed before connecting pipework.
- Junctions between outlets and pipework can accommodate all movement in the structure and pipework.

435 **FIXING PIPEWORK:**
- Fix securely at specified centres plumb and/or true to line.
- Make changes in direction of pipe runs only where shown on drawings unless otherwise approved.
- Fix branches and low gradient sections with uniform and adequate falls to drain efficiently.
- Fix externally socketed pipes/fittings with sockets facing upstream.
- Provide additional supports as necessary to support junctions and changes in direction.
- Fix every length of pipe at or close below the socket collar or coupling.
- Provide a load bearing support for vertical pipes at not less than every storey level. Tighten fixings as the work proceeds so that every storey is self supporting and undue weight is not imposed on fixings at the base of the pipe.
- Isolate from structure where passing through walls or floors and sleeve pipes as specified in Section P31.
- Provide for thermal and building movement when fixing and jointing, and ensure that clearances are not reduced as fixing proceeds.
- Fix expansion joint pipe sockets rigidly to the building and elsewhere use fixings that allow the pipe to slide.

650 **JOINTING PIPEWORK/GUTTERS:**
- Joint using materials, fittings and techniques which will make effective and durable connections.
- Joint differing pipework/gutter systems with adaptors recommended by manufacturer(s).
- Cut ends of pipes to be clean and square with burrs and swarf removed. Chamfer pipe ends before inserting into ring seal sockets.
- Ensure that jointing or mating surfaces are clean, and where necessary lubricated, immediately before assembly.
- Form junctions using fittings intended for the purpose ensuring that jointing material does not project into bore of pipes, fittings and appliances.
- Remove surplus flux/solvent/cement/sealant from joints.

675 **COATED PIPEWORK/GUTTERS:**
- Make good to coatings after cutting and any other damage or recoat, as recommended by the manufacturer.

685 **IDENTIFICATION OF INTERNAL RAINWATER PIPEWORK:**
- To BS 1710 using self-adhesive bands or identification clips located at junctions, at both sides of each slab, bulkhead and wall penetration, and elsewhere as directed.

690 **ELECTRICAL CONTINUITY:**
- Use clips or suitable standard couplings supplied for the purpose by pipework manufacturer to ensure electrical continuity at all joints in metal pipes with flexible couplings and which are to be earth bonded.

700 **ACCESS FOR TESTING AND MAINTENANCE:**
- Install pipework and gutters with adequate clearance to permit testing, cleaning and maintenance.
- Position access fittings and rodding eyes so that they are not obstructed by other pipework, framing, etc.

COMPLETION

900 **TESTING GENERALLY:**
- Inform CA sufficiently in advance to give him a reasonable opportunity to observe tests.
- Check that all sections of installation are free from obstruction and debris before testing.
- Provide clean water, assistance and apparatus for testing as required.
- Carry out tests as specified. After testing, locate and remedy all defects without delay and retest as instructed.
- Keep a record of all tests and provide a copy of each to the CA.

905 **INTERNAL PIPEWORK TEST - ENGLAND, WALES AND NORTHERN IRELAND:**
- Temporarily seal open ends of pipework with plugs.
- Connect a 'U' tube water gauge and air pump to the pipework via a plug.
- Pump air into pipework until gauge registers 38 mm.
- Allow a period for temperature stabilization, after which the pressure of 38 mm is to be maintained without loss for not less than 3 minutes.

906 **INTERNAL PIPEWORK TEST- SCOTLAND**
- Standard - To BSEN12056-3:2000, National Annex NG

910 **GUTTER TEST:**
- Block all outlets, fill gutters to overflow level and after 5 minutes closely inspect for leakage.

915 **MAINTENANCE INSTRUCTIONS**
- At completion, submit printed instructions recommending procedures for maintenance of the rainwater installation including full details of the recommended inspection, cleaning and repair procedures.

920 **IMMEDIATELY BEFORE HANDOVER:**
- Remove construction rubbish and debris from all roofs and gutters. Where possible, sweep and remove fine dust which may enter rainwater systems. Do not sweep or flush dust or debris into the rainwater system.
- Remove swarf, debris and temporary caps from the entire rainwater installation.
- Ensure that all access covers, rodding eyes, outlet gratings, etc. are secured complete with all fixings.

Mr. Bebbington, Christ Church; Renewal of Rainwater goods & Repairs; Jan'22 dwg. 1114·6·1

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Key:
see dwg 2

tower & spire

sections of bell louver cill-string to be renewed

approx 50mm wall plate

no hoppers

clerestory gutters 1:5

direct to wall

to ex. hoppers

aisle gutters

rwp.1

rwp.2

renew gutter refurbish & repaint pipes to aisle, retain hoppers

check flashings to tower & report

north aisle

retain rwp.3 & gutter

organ

north

cellar access

retain rwp.4

new drain & gulley to existing from 13

new rwp.14a

note offset in wall for slow bend to pipe

exg. 14; repositioned new rwp.14

rwp.15

rwp.16

renew gutter & pipes to north clerestory without hoppers

repoint up to copings; remove vegetation

lead valley

renew gutter

renew loose slates

nave

chancel

west

east

check all flashings & report

renew gutters & pipes to chancel

chimney

repoint up to copings

rwp.7

rwp.6

rwp.5 retain, refurbish repaint pipe & hopper

rwp.19

renew gutter & pipes to south clerestory without hoppers

rwp.18

rwp.17

descale stone work at high level & repoint

renew loose slates

south aisle

vestries

renew gutter, refurbish & repaint pipes to aisle, retain hoppers

rwp.12

rwp.11 refix shoe

rwp.10

rwp.9

rwp.8 retain, refurbish & repaint pipe & hopper

roof plan 1:100 @ A3

check all dimensions on site

Hr. Bebbington, Christ Church; Renewal of Rainwatergoods & Repairs; Feb'22 dwg no 1114-6

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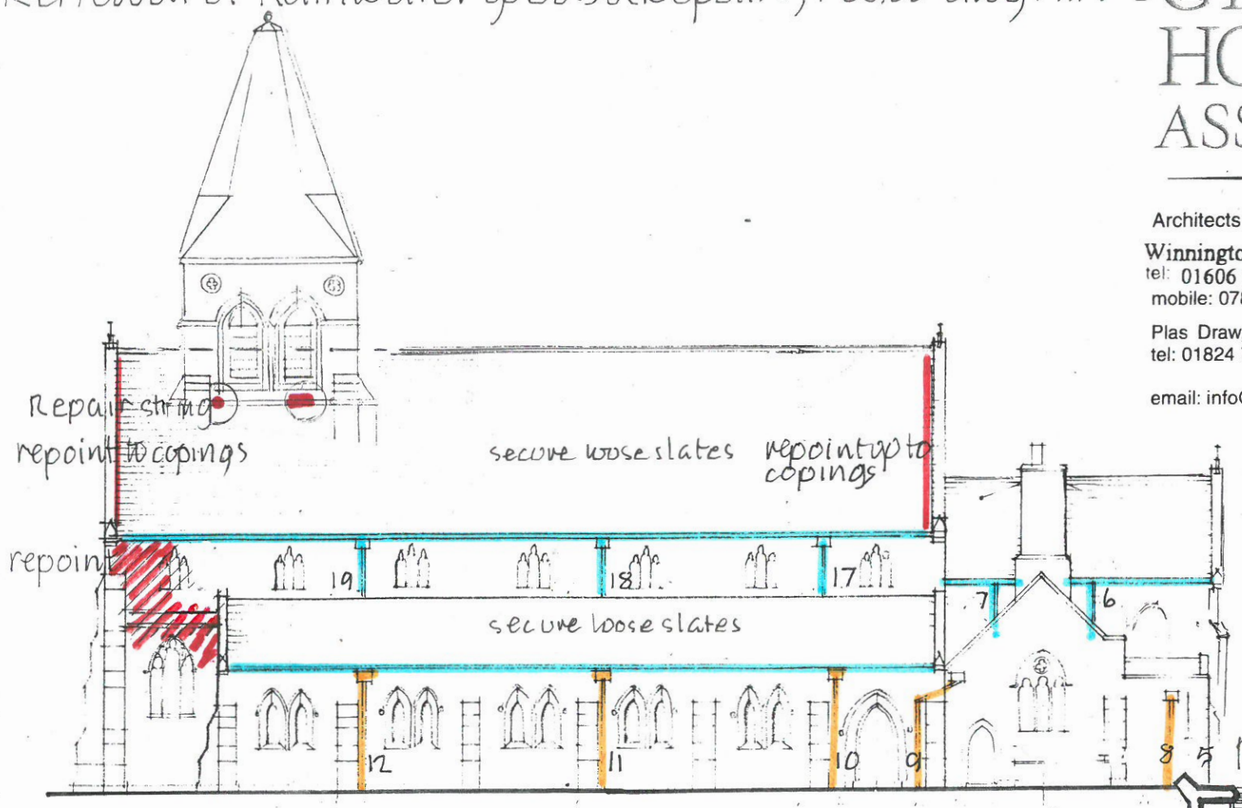
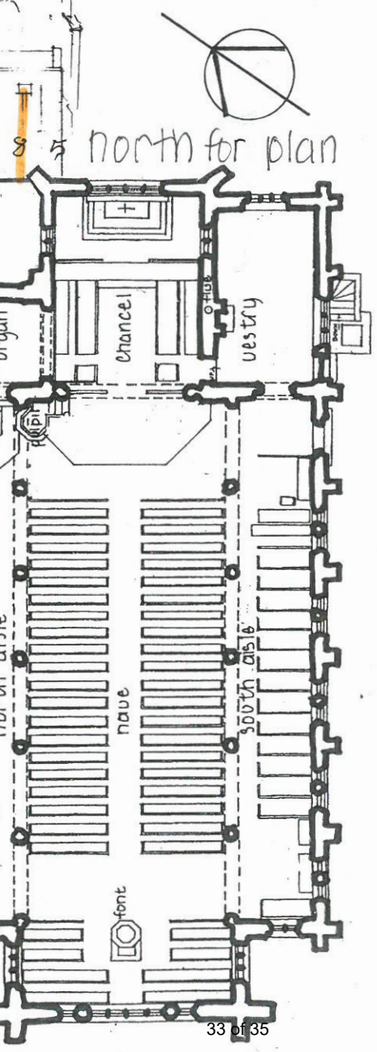
sketch elevations

renew gutters & pipes
repaint existing
stonework repairs & renewals
flashing checks

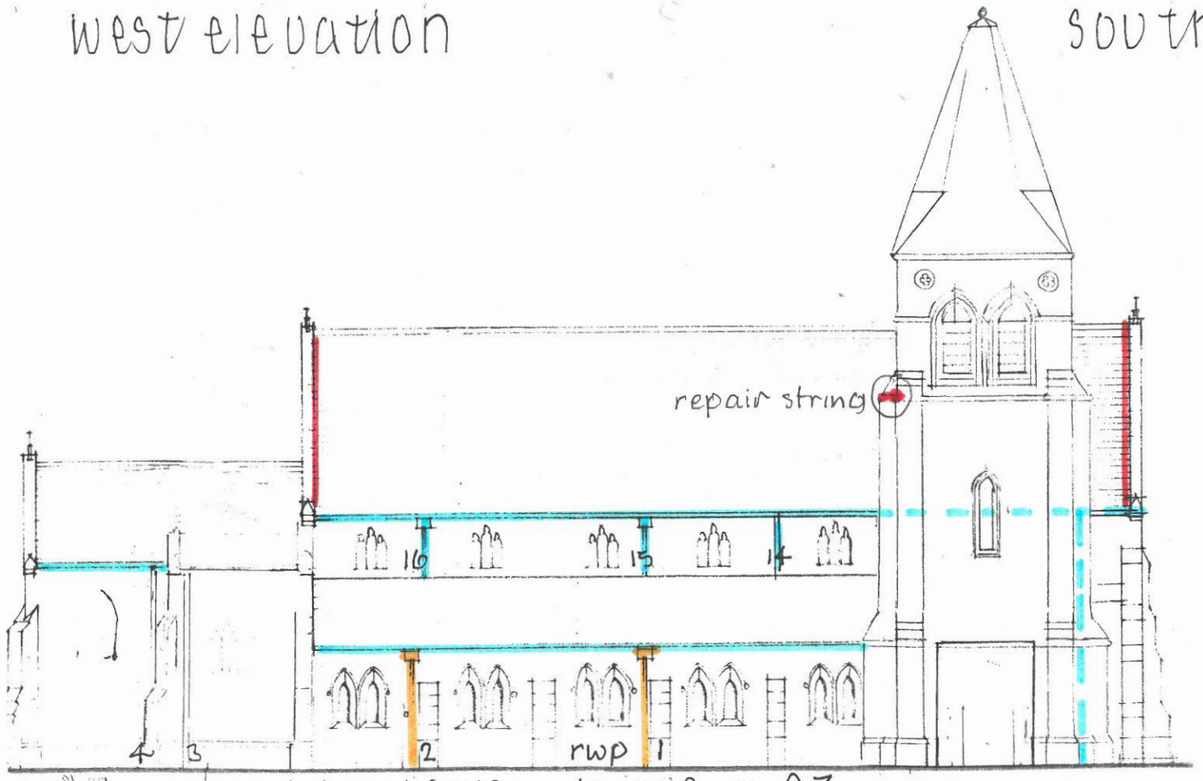
west elevation



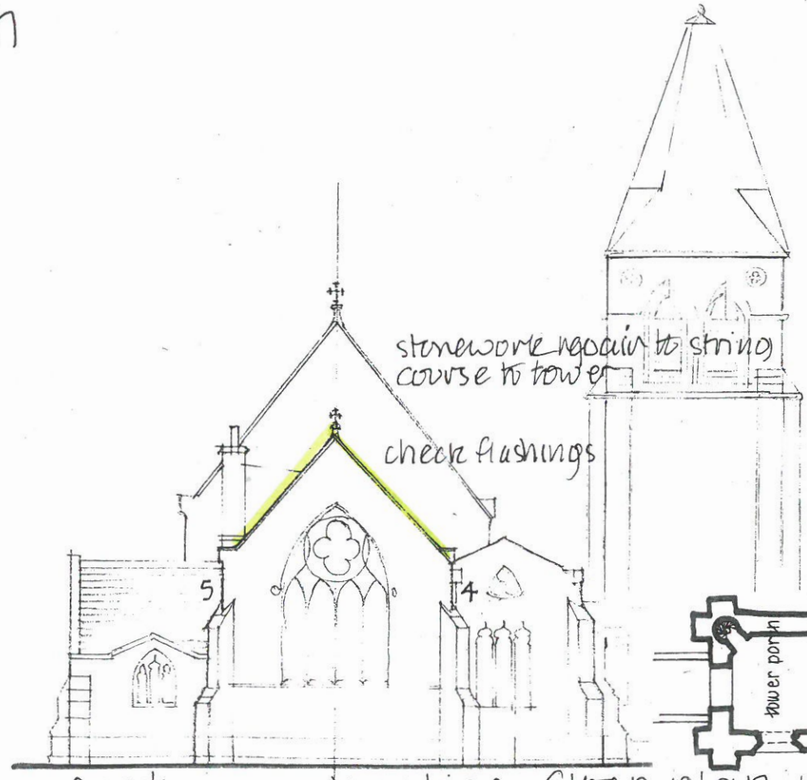
south



location floor plan, nts



north elevation 1:200 @ A3



east

check all details & dimensions on site

Hr. Bebbington, Christ Church; Renewal of Rainwater goods & Repairs; Jan 22 dwg no 1114.6.3

GRAHAM HOLLAND ASSOCIATES
Architects & Historic Buildings Consultants
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general overhaul of slating

new posn pipe 14

existing posn pipe 14 to be removed & made good

new pipe no 14a

'slow' bend to pipe to offset

pipe set forward @ window hoodmoulding

pipe secured to aisle west wall below nave wall offset

repoint slating up to copings

area of stonework to be descaled & repointed

code 5 splash pad to base of clerestory pipe

elevation west south north clerestory 1:50 @ A3

slating up to copings to be repointed

tower to n-w

chancel s. chimney

section of chancel to east

renewed gutters & pipes

north aisle
organ beyond

nave

s aisle
vestries beyond

renewed gutters, hoppers & pipes retained

diagramatic section looking east 1:100 @ A3

nave n.w elevation

nave south-w elevation

check all dimensions & details on site

Higher Bebington Christ Church - Correspondence with parish

Attachments are listed according to the numbering on the supporting documents list

- Attachments in blue are included within the proposals section
- *Attachments in black italics are superseded and not included within the application*

Date	Message
01/03/2022 To: Katy Purvis From: Ian Murray **With attachments**	Further to our telephone conversation yesterday, I have attached details from our architect relating to the proposed works on the church. Can you make sure the project goes before the next DAC later this month. Do you need me to complete the online faculty application. I am not at home today but I can complete the faculty application tomorrow. 4) Schedule of Work and Specification of Graham Holland dated January 2022 5) Drawings of Graham Holland Associates numbered 1114.6.1 dated January 2022, 1114.6.2 dated February 2022 and 1114.6.3 dated January 2022
23/03/2022 To: Ian Murray From: Katy Purvis	I'm writing to let you know that at its meeting of 18 *February* (should say March, CH) 2022 the DAC considered the proposals and resolved, subject to the correct Statement of Significance being provided, to recommend the scheme, with the following proviso a) The works to be under the direction and subject to the inspection of the Scheme Architect This means that when we have received the revised statement of significance, Caroline will be able to raise the notification of advice, which allows you to produce and post the public notice. Please let me know if you have any queries.