

**Victory Housing Trust**

**Pre-Construction Information**

1Nr. Dwelling  
1 Jubilee Avenue  
Fakenham  
Norfolk

**1Nr. Dwelling**

**At**

**1 Jubilee Avenue, Fakenham, Norfolk**

**For**

**Victory Housing Trust**

**Pre-Construction Information**

**Ref.PCI/4388**

**October 2017**

PRINCIPAL DESIGNER:

Oxbury  
St Thomas House  
14 Central Avenue  
St Andrews Business Park  
Norwich  
Norfolk  
NR7 0HR  
Tel: 01603 707900

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## **INTRODUCTION**

- (i) This Pre-Construction Information is provided in accordance with the Construction (Design and Management) Regulations 2015.
- (ii) It is to be noted that – due to the nature of the Design and Build arrangement relating to this Project – the Principal Contractor will be arranging some or all of the design work and will be involved in many pre-construction aspects of the project's progression. Accordingly, the Principal Contractor will, in practice, himself be required to progress and further develop the Pre-Construction Information. Similarly the Principal Contractor is required to provide full Health and Safety File information on completion of the project (as detailed at section 5.0 below).
- (iii) The Principal Contractor's attention is drawn to the requirement under the Regulations to provide a Construction Phase (health and safety) Plan prior to the commencement of construction. Additionally he is to ensure – and evidence to the Pre-Construction Principal Designer – that he has in place adequate welfare facilities.

The Construction Phase Plan is to be provided by reference to, and addressing the matters included within, and referred to from, Appendix 3 to the "Construction (Design and Management) Regulations 2015 - Guidance on Regulations – Reference L153" published 2015 by HSE Books.

"Adequate welfare facilities" shall be those which comply with Schedule 2 to the CDM Regulations 2015.

## **PRE-CONSTRUCTION INFORMATION**

### **1.0 DESCRIPTION OF PROJECT**

#### **1.1 Project Description and Programme Details**

##### 1.1.1 Project ("The Works")

The design and construction of a two-storey 2 bedroom 4 person dwelling at 1 Jubilee Avenue, Fakenham, together with associated services, external works and drainage.

##### 1.1.2 Location

1 Jubilee Avenue, Fakenham, Norfolk, NR21 8DG

##### 1.1.3 Key Dates (Pre-Construction)

The following are planned:

Start of design work:	Immediate
Start of Tender Period:	October 2017
Execution of Contracts:	December 2017

##### 1.1.4 Key Dates (Start and Finish of Construction)

The following are planned:

Start of construction phase:	February 2018
Duration of construction phase:	56 Weeks

##### 1.1.5 Time from appointment of Principal Contractor to Start on Site

Time allowed to Principal Contractor for planning and preparing for construction work (from his appointment): 6 Weeks

## 1.2 Parties

<u>CDM Nomenclature</u>	<u>Contract Nomenclature</u>	<u>Specific to this Project</u>
Client	Employer	Victory Housing Trust Tom Moore House Cromer Road North Walsham Norfolk NR28 0NB Tel: 0330 1231860
	Employer's Agent	Oxbury St Thomas House St Andrews Business Park Norwich Norfolk NR7 0HR Tel: 01603 707900
Principal Designer (Pre Contract) <i>- Separate Pre and Post Contract Principal Designers only for Design and Build schemes</i>	Employers Agent	Oxbury St Thomas House St Andrews Business Park Norwich Norfolk NR7 0HR Tel: 01603 707900
Principal Designer (Post Contract) <i>- Separate Pre and Post Contract Principal Designers only for Design and Build schemes</i>	Contractor	TBA
Principal Contractor	Contractor	TBA
Designer	The Contractor (as above) or any other individual, Firm or Company to whom the design work is sub-let	Richard Pike Associates 3 <sup>rd</sup> Floor Jonathan Scott Hall Norwich Norfolk NR1 1UH Tel: 01603 611323
Contractor	The Contractor (as above) or any other individual, Firm or Company to whom work is sub-let	TBA

N.B. The CDM Nomenclature is primarily used throughout this Pre-Construction Information – save where the context does not permit

## 1.3 Structures for Use as a Workplace

The structures to be constructed are not to be designed for use as a workplace.

## 1.4 Extent and Location of Existing Records/Plans

Existing records and plans are available as follows (see also below under Section 3.0 for any surveys or the like available):

- Rossi Long Consulting's Geo-Environmental Report Referenced 171153 dated 14<sup>th</sup> June 2017.
- C J Yardley's, Arboricultural Impact Assessment, Provisional Tree Protection Plan and Method Statement dated January 2017.
- Anglian Land Survey's Topographical Survey drawing ALS7787/200/02, dated April 2017.
- Dyno Rod's Drainage Survey Referenced DR17/418A-2 dated 11<sup>th</sup> May 2017.
- Utility Enquiry Responses:
  - o Anglian Water's Clean Water Asset Plan - dated 11/10/2016
  - o Anglian Water's Foul Water Asset Plan - dated 11/10/2016
  - o BT Openreach Asset Plan dated 12/10/2016
  - o National Grid's Asset Plan dated 14/10/2016
  - o UK Power Network's Asset Plan dated 12/10/2016

## **2.0 CLIENT'S CONSIDERATIONS AND MANAGEMENT REQUIREMENTS**

### **2.1 Arrangements Required to be made and/or implemented by the Principal Designer (Pre Contract and Post Contract)**

#### **2.1.1 Planning For and Managing the Design Work**

The Principal Designer (at both pre and post contract stages) is to make suitable arrangements to plan, manage and monitor the pre-construction phase (ie the design stage pre-contact and any part of the design stage continuing post contract) and to co-ordinate matters relating to health and safety during that phase. In particular the Principal Designer for the time being is to take into account the "General Principles of Prevention" (as set out at Appendix 1 to the "Construction (Design and Management) Regulations 2015 - Guidance on Regulations - Reference L153" published 2015 by HSE Books) in identifying and eliminating or controlling foreseeable risks arising from the designs and/or proposals of himself or other Designers.

The Principal Designer for the time being is to ensure communication and cooperation between all parties under the CDM Regulations.

### **2.2 Arrangements to be made and/or implemented by the Principal Contractor**

#### **2.2.1 Planning For and Managing the Construction Work**

The Principal Contractor is to advise within the Construction Phase (health and safety) Plan, his measures for planning and managing the construction work (in context of health and safety).

He is to include within such advice proposed health and safety goals (KPI's) for the project and arrangements for their monitoring.

#### **2.2.2 Communication and Liaison**

The Principal Contractor is to ensure that arrangements are in place for communication and liaison with and between designers, contractors and all others involved with the Project.



The Client can be contacted by reference to the details at item 1.2 above. Communications with the Client and his team should, however, be primarily through the Principal Designer (Pre Contract)/(Employer's Agent).

### 2.2.3 Security of the Site

The Principal Contractor is to include within his Construction Phase Plan measures for properly securing site on all boundaries.

### 2.2.4 Welfare Provision

The Principal Contractor is to ensure that welfare facilities compliant with Schedule 2 to the Construction (Design and Management) Regulations 2015 are provided throughout the construction phase of the Project.

## **2.3 Requirements for the Health and Safety of Client's Employees, Others Involved with the Project and Third Parties.**

### 2.3.1 Site Hoarding Requirements

The Client has no specific site hoarding requirements.

### 2.3.2 Site Transport Arrangements or Vehicle Movement Restrictions

The Principal Contractor is to address safe arrangements for transport/plant movements to, from and on the Site. In this regard his attention is drawn to the Health & Safety Executive's guide document entitled - "The Safe Use of Vehicles on Construction Sites".

The Principal Contractor is to compile, implement and update a suitable Traffic Management Plan. The Principal Contractor is to ensure the movement of vehicles and plant (as well as sub-contractor parking) does not impede or cause obstruction to traffic on Greenway Lane or to residents of the neighbouring residential properties.

### 2.3.3 Client Permit-to-Work Systems

The Client has no permit-to-work systems affecting the Project.

### 2.3.4 Fire Precautions

The Client has no specific fire precautions requirements.

### 2.3.5 Emergency Procedures and Means of Escape

The Client has no specific emergency procedures and means of escape requirements.

### 2.3.6 'No-go' Areas or Other Authorisation Requirements

There are no 'no-go' areas designated by the Client.

The Contractor is to include within his Construction Phase Plan, arrangements for health and safety induction for those visiting site, together with the provision of PPE.

### 2.3.7 Areas Designated as Confined Spaces

The Client has not designated any areas as confined spaces.

Any works are to be carried out in accordance with the Health & Safety Executive's Guidance Note INDG258 "Safe Work in Confined Spaces".

The Principal Contractor shall include within his Construction Phase Plan, procedures for working in any confined spaces, whether or not so designated by the Client, all in accordance with the Confined Spaces Regulations 1997.

### 2.3.8 Smoking and Parking Restrictions

The Client has no smoking restrictions.

Greenway Lane is a heavily used and busy road. Particular attention should be paid to the restricted parking within the vicinity of the site. Parking arrangement should be safely arranged in terms of access/egress from Greenway Lane and should avoid causing nuisance to adjacent residents.

## **3.0 ENVIRONMENTAL RESTRICTIONS AND EXISTING ON-SITE RISKS**

### **3.1 Safety Hazards/Information**

#### 3.1.1 Boundaries and Access

The site is located in a residential area of Fakenham. The site itself was formerly a part of the rear garden to 1 Jubilee Avenue.

The site is predominately accessible from an existing access point along Greenway Lane. The site is also currently open at the North East boundary.

The remainder of the site boundary is formed of mixed fencing types as well as trees and overgrown hedging/shrubs. There are existing trees positioned within the site.

The Principal Contractor should observe any restrictions and limitations identified within the Arboricultural Report in carrying out any works hereto.

It should also be noted that the site sits at a higher level than the adjacent road (Greenway Lane) including a steep grass verge rising from the footpath to the site.

#### 3.1.2 Restrictions on Deliveries or Storage

Whilst there are no specific Client imposed restrictions on deliveries, waste collection or storage on site, the Principal Contractor shall note the physical restrictions of the site, nearby utility risks including overhead cables and any parking/unloading restrictions that may apply on the highways adjacent to or surrounding the site. Careful consideration will need to be given to the movements of large delivery vehicles in tandem with these constraints.

#### 3.1.3 Adjacent Land Uses

Land uses surrounding the site are as follows:

To the North - Public Highway (Greenway Lane)

- To the East - Vegetation and steep cutting to the old railway line - now a public footpath
- To the South - Residential properties
- To the West - Public Highway (Jubilee Avenue) and Residential properties

#### 3.1.4 Existing Storage of Hazardous Materials

There are no hazardous materials identified as stored on site.

However, the Contractor is to carry out all necessary investigations or surveys to satisfy himself in this regard and is to deal with any hazardous materials in the correct manner. See also 3.2.2 below.

Any works are to be carried out in accordance with the Control of Substances Hazardous to Health Regulations 2002, further advice in respect of which is available via the Health & Safety Executive's Guidance Note INDG136 "COSHH: Brief Guide to the Regulations".

#### 3.1.5 Location of Existing Services

The Principal Contractor's attention is drawn to the Utility Company responses to enquiries and existing drainage survey which are listed at item 1.4 above:

- Clean Water
- Foul Water
- BT
- Gas
- Electricity

The Principal Contractor should be aware that there is an existing overhead electricity and BT supply located along the Northern boundary of the site including overhead supplies that cross the road to feed adjacent properties. There is also a lighting column situated in the verge on the north/eastern boundary.

#### 3.1.6 Ground Conditions, Underground Structures or Water Courses

Attention is drawn to Rossi Long Consulting's Geo-Environmental Report referenced 171153 dated 14<sup>th</sup> June 2017 which provides detailed information in respect of ground conditions, underground structures and water table.

The following matters are highlighted from the Geo-Environmental Report which the Principal Contractor should take account of in the progression of design and construction work.

- The ground conditions are identified as made ground comprised of gravelly sand clay. The underlying ground conditions were identified as variable sand/clay.
- Groundwater was not encountered during the drilling to a depth of 2.88m.
- From the tested soil samples, it was identified that the samples exceeded the applied Generic Assessment Criteria for the proposed end use scenario for dibenz(a,h)anthracene. TPH was also noted as being above the laboratory method detection limit in both samples. It is therefore recommended that

additional research is undertaken into risk assessment to determine whether the contamination identified is characteristic of the whole site.

- It is also noted that surface water drainage may not be feasible at this location and therefore soakaways should be considered. Full-scale testing in accordance with BRE365 has been instructed and results will follow in due course.
- It has been suggested that due to the ground conditions, traditional strip or pad foundation are considered potentially suitable, however this should be subject to further investigation by the Principal Contractor.
- Moisture content was in the range of 12-19%

### 3.1.7 Existing Structures

There are no existing structures on site.

### 3.1.8 Previous Structural Modifications

Not applicable.

### 3.1.9 Factors Which May Have Adversely Affected The Structure

Not applicable

### 3.1.10 Difficulties Relating to Plant and Equipment in the Premises

Not applicable.

### 3.1.11 Health and Safety Information Contained in earlier Design, Construction or 'As-Built' Drawings

Not applicable.

## **3.2 Health Hazards**

### 3.2.1 Asbestos, including Results of Surveys

Not applicable.

### 3.2.2 Existing Storage of Hazardous Materials

There are no hazardous materials stored on site.

However, the Contractor is to carry out all necessary investigations or surveys to satisfy himself in this regard and is to deal with any hazardous materials in the correct manner.

Any works are to be carried out in accordance with the Control of Substances Hazardous to Health Regulations 2002, further advice in respect of which is available via the Health & Safety Executive's Guidance Note INDG136 "COSHH: Brief Guide to the Regulations".

### 3.2.3 Contaminated Land, including Results of Surveys

The Contractor is referred to Rossi Long's Geo-Environmental Report Ref 171153 dated 14<sup>th</sup> June 2017 which has identified potential ground contamination. The ground investigation report has indicated the potential need for further contamination testing to be commissioned by the Contractor.

#### 3.2.4 Existing Structures Containing Hazardous Materials

Not applicable.

#### 3.2.5 Health Risks Arising from Client's Activities

There are no identified health risks arising from the client's activities.

### **4.0 SIGNIFICANT DESIGN AND CONSTRUCTION HAZARDS**

#### **4.1 Significant Design Factors, Work Methods or Sequences or Other Controlling Factors**

Designers, the Principal Contractor and Contractors are to take account of problem areas of construction specific to the project, throughout their design and/or construction, and such problem areas are to be addressed by the Principal Contractor in the Construction Phase plan, including the following:

Underground and overhead services:

Attention is drawn to the information given/referred to above at item 3.1.5 relating to existing services. The Principal Contractor is to make such further enquiries of the Utility Companies as may be necessary regarding existing services, and is to ascertain any specific precautions or requirements of the relevant Utility Company – all prior to work commencing.

Ground obstructions and contamination:

Attention is drawn to the information given/referred to above at items 3.1.6 and 3.2.3 relating to ground conditions and/or contamination. The Principal Contractor is (by reference to such Reports as are available and from such further investigations/enquiries as may be necessary) to ensure that the extent and nature of any underground obstructions and/or ground contamination are determined.

Procedures are to be determined for the removal of any obstructions and/or contamination, together with any and all necessary subsequent remedial measures and the works are to be carried out in accordance with current legislation and also the requirements for the Environment Agency, the Local Environmental Health and Building Control Authority – whose specific written approval to the proposed measures shall be obtained and evidenced in writing, all prior to works commencing.

Piling

Fire Safety in Construction Works are to be carried out in accordance with the

Health & Safety Executive's guidance given in their Publication reference HSG 168 "Fire Safety in Construction" (Second Edition published 2010).

Additionally, Timber Frame Construction is to be carried out in accordance with the UK Timber Frame Association's (UKTFA) Guidelines and Recommendations (latest edition) - "16 Steps to Fire Safety on Timber Frame Construction Sites".

Works beyond the boundary of the site/within the public highway

Safe working at height: Works are to be carried out in accordance with the Health & Safety Executive's Guidance Notes INDG401 (Revision 1) "The Work at Height Regulations 2005".

#### **4.2 On-going Design Work and Design Changes**

The Principal Contractor is to ensure that on-going design work (or any change to existing designs) carried out under his direction/instruction is brought to the attention of the Principal Designer (should the Principal Contractor not be the Principal Designer at the time) to enable the communication, co-ordination, management and monitoring of such design work in the context of health and safety or communicated, managed, monitored and coordinated in the context of health and safety by the Principal Contractor in his role as Principal Designer if he is fulfilling that role at the time.

#### **4.3 Significant Risks Identified During Design**

No significant risks (which are not referred to elsewhere within this Pre-Construction information) have been identified through the design work undertaken prior to the issue of this document:

N.B. Details of risks identified during the pre-construction will be separately advised.

The Principal Contractor is to ensure that significant risks identified during design work (whether carried out under his or another's direction/instruction) are referred to/addressed within the Construction Phase Plan and/or within the Health and Safety File and also that such significant risks are brought to the attention of the Principal Designer should the Principal Contractor not be fulfilling that role at the time.

#### **4.4 Materials Requiring Particular Precautions**

The Principal Contractor (in liaison with any Designer under his direction or who he instructs) is, so far as possible, to ensure that the use of materials which are hazardous to health are avoided or designed out.

Any such materials which are hazardous to health and which cannot be avoided or designed out are to be fully identified and addressed within the Construction Phase Plan and/or within the Health and Safety File and are to be brought to the attention of the Principal Designer should the Principal Contractor not be fulfilling that role at the time.

#### **5.0 THE HEALTH AND SAFETY FILE**

## **5.1 Health and Safety File Format and Information Provision**

In his role as Design and Build Contractor for the Project - whether or not fulfilling the role of CDM Principal Designer - the Principal Contractor is to review, update and assemble all of the information required for the Health and Safety File. He is to pass this to the Client (via the Employer's Agent) on Practical Completion of the project in the format identified at Appendix A hereto.

In preparing the Health and Safety File the Principal Contractor is also to follow the recommendations of Appendix 4 to the "Construction (Design and Management) Regulations 2015 - Guidance on Regulations - Reference L153" published 2015 by HSE Books.

## **INTRODUCTION**

- (i) This Pre-Construction Information is provided in accordance with the Construction (Design and Management) Regulations 2015.
- (ii) It is to be noted that – due to the nature of the Design and Build arrangement relating to this Project – the Principal Contractor will be arranging some or all of the design work and will be involved in many pre-construction aspects of the project's progression. Accordingly, the Principal Contractor will, in practice, himself be required to progress and further develop the Pre-Construction Information. Similarly the Principal Contractor is required to provide full Health and Safety File information on completion of the project (as detailed at section 5.0 below).
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## **PRE-CONSTRUCTION INFORMATION**

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#### **1.1 Project Description and Programme Details**

##### 1.1.1 Project ("The Works")

The design and construction of a two-storey 2 bedroom 4 person dwelling at 1 Jubilee Avenue, Fakenham, together with associated services, external works and drainage.

##### 1.1.2 Location

1 Jubilee Avenue, Fakenham, Norfolk, NR21 8DG

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The following are planned:

Start of design work:	Immediate
Start of Tender Period:	October 2017
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The following are planned:

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Duration of construction phase:	56 Weeks

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Time allowed to Principal Contractor for planning and preparing for construction work (from his appointment): 6 Weeks

## 1.2 Parties

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Principal Contractor	Contractor	TBA
Designer	The Contractor (as above) or any other individual, Firm or Company to whom the design work is sub-let	Richard Pike Associates 3 <sup>rd</sup> Floor Jonathan Scott Hall Norwich Norfolk NR1 1UH Tel: 01603 611323
Contractor	The Contractor (as above) or any other individual, Firm or Company to whom work is sub-let	TBA

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## 1.3 Structures for Use as a Workplace

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  - o National Grid's Asset Plan dated 14/10/2016
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## **2.0 CLIENT'S CONSIDERATIONS AND MANAGEMENT REQUIREMENTS**

### **2.1 Arrangements Required to be made and/or implemented by the Principal Designer (Pre Contract and Post Contract)**

#### **2.1.1 Planning For and Managing the Design Work**

The Principal Designer (at both pre and post contract stages) is to make suitable arrangements to plan, manage and monitor the pre-construction phase (ie the design stage pre-contact and any part of the design stage continuing post contract) and to co-ordinate matters relating to health and safety during that phase. In particular the Principal Designer for the time being is to take into account the "General Principles of Prevention" (as set out at Appendix 1 to the "Construction (Design and Management) Regulations 2015 - Guidance on Regulations - Reference L153" published 2015 by HSE Books) in identifying and eliminating or controlling foreseeable risks arising from the designs and/or proposals of himself or other Designers.

The Principal Designer for the time being is to ensure communication and cooperation between all parties under the CDM Regulations.

### **2.2 Arrangements to be made and/or implemented by the Principal Contractor**

#### **2.2.1 Planning For and Managing the Construction Work**

The Principal Contractor is to advise within the Construction Phase (health and safety) Plan, his measures for planning and managing the construction work (in context of health and safety).

He is to include within such advice proposed health and safety goals (KPI's) for the project and arrangements for their monitoring.

#### **2.2.2 Communication and Liaison**

The Principal Contractor is to ensure that arrangements are in place for communication and liaison with and between designers, contractors and all others involved with the Project.

The Client can be contacted by reference to the details at item 1.2 above. Communications with the Client and his team should, however, be primarily through the Principal Designer (Pre Contract)/(Employer's Agent).

### 2.2.3 Security of the Site

The Principal Contractor is to include within his Construction Phase Plan measures for properly securing site on all boundaries.

### 2.2.4 Welfare Provision

The Principal Contractor is to ensure that welfare facilities compliant with Schedule 2 to the Construction (Design and Management) Regulations 2015 are provided throughout the construction phase of the Project.

## **2.3 Requirements for the Health and Safety of Client's Employees, Others Involved with the Project and Third Parties.**

### 2.3.1 Site Hoarding Requirements

The Client has no specific site hoarding requirements.

### 2.3.2 Site Transport Arrangements or Vehicle Movement Restrictions

The Principal Contractor is to address safe arrangements for transport/plant movements to, from and on the Site. In this regard his attention is drawn to the Health & Safety Executive's guide document entitled - "The Safe Use of Vehicles on Construction Sites".

The Principal Contractor is to compile, implement and update a suitable Traffic Management Plan. The Principal Contractor is to ensure the movement of vehicles and plant (as well as sub-contractor parking) does not impede or cause obstruction to traffic on Greenway Lane or to residents of the neighbouring residential properties.

### 2.3.3 Client Permit-to-Work Systems

The Client has no permit-to-work systems affecting the Project.

### 2.3.4 Fire Precautions

The Client has no specific fire precautions requirements.

### 2.3.5 Emergency Procedures and Means of Escape

The Client has no specific emergency procedures and means of escape requirements.

### 2.3.6 'No-go' Areas or Other Authorisation Requirements

There are no 'no-go' areas designated by the Client.

The Contractor is to include within his Construction Phase Plan, arrangements for health and safety induction for those visiting site, together with the provision of PPE.

### 2.3.7 Areas Designated as Confined Spaces

The Client has not designated any areas as confined spaces.

Any works are to be carried out in accordance with the Health & Safety Executive's Guidance Note INDG258 "Safe Work in Confined Spaces".

The Principal Contractor shall include within his Construction Phase Plan, procedures for working in any confined spaces, whether or not so designated by the Client, all in accordance with the Confined Spaces Regulations 1997.

### 2.3.8 Smoking and Parking Restrictions

The Client has no smoking restrictions.

Greenway Lane is a heavily used and busy road. Particular attention should be paid to the restricted parking within the vicinity of the site. Parking arrangement should be safely arranged in terms of access/egress from Greenway Lane and should avoid causing nuisance to adjacent residents.

## **3.0 ENVIRONMENTAL RESTRICTIONS AND EXISTING ON-SITE RISKS**

### **3.1 Safety Hazards/Information**

#### 3.1.1 Boundaries and Access

The site is located in a residential area of Fakenham. The site itself was formerly a part of the rear garden to 1 Jubilee Avenue.

The site is predominately accessible from an existing access point along Greenway Lane. The site is also currently open at the North East boundary.

The remainder of the site boundary is formed of mixed fencing types as well as trees and overgrown hedging/shrubs. There are existing trees positioned within the site.

The Principal Contractor should observe any restrictions and limitations identified within the Arboricultural Report in carrying out any works hereto.

It should also be noted that the site sits at a higher level than the adjacent road (Greenway Lane) including a steep grass verge rising from the footpath to the site.

#### 3.1.2 Restrictions on Deliveries or Storage

Whilst there are no specific Client imposed restrictions on deliveries, waste collection or storage on site, the Principal Contractor shall note the physical restrictions of the site, nearby utility risks including overhead cables and any parking/unloading restrictions that may apply on the highways adjacent to or surrounding the site. Careful consideration will need to be given to the movements of large delivery vehicles in tandem with these constraints.

#### 3.1.3 Adjacent Land Uses

Land uses surrounding the site are as follows:

To the North - Public Highway (Greenway Lane)

- To the East - Vegetation and steep cutting to the old railway line - now a public footpath
- To the South - Residential properties
- To the West - Public Highway (Jubilee Avenue) and Residential properties

#### 3.1.4 Existing Storage of Hazardous Materials

There are no hazardous materials identified as stored on site.

However, the Contractor is to carry out all necessary investigations or surveys to satisfy himself in this regard and is to deal with any hazardous materials in the correct manner. See also 3.2.2 below.

Any works are to be carried out in accordance with the Control of Substances Hazardous to Health Regulations 2002, further advice in respect of which is available via the Health & Safety Executive's Guidance Note INDG136 "COSHH: Brief Guide to the Regulations".

#### 3.1.5 Location of Existing Services

The Principal Contractor's attention is drawn to the Utility Company responses to enquiries and existing drainage survey which are listed at item 1.4 above:

- Clean Water
- Foul Water
- BT
- Gas
- Electricity

The Principal Contractor should be aware that there is an existing overhead electricity and BT supply located along the Northern boundary of the site including overhead supplies that cross the road to feed adjacent properties. There is also a lighting column situated in the verge on the north/eastern boundary.

#### 3.1.6 Ground Conditions, Underground Structures or Water Courses

Attention is drawn to Rossi Long Consulting's Geo-Environmental Report referenced 171153 dated 14<sup>th</sup> June 2017 which provides detailed information in respect of ground conditions, underground structures and water table.

The following matters are highlighted from the Geo-Environmental Report which the Principal Contractor should take account of in the progression of design and construction work.

- The ground conditions are identified as made ground comprised of gravelly sand clay. The underlying ground conditions were identified as variable sand/clay.
- Groundwater was not encountered during the drilling to a depth of 2.88m.
- From the tested soil samples, it was identified that the samples exceeded the applied Generic Assessment Criteria for the proposed end use scenario for dibenz(a,h)anthracene. TPH was also noted as being above the laboratory method detection limit in both samples. It is therefore recommended that

additional research is undertaken into risk assessment to determine whether the contamination identified is characteristic of the whole site.

- It is also noted that surface water drainage may not be feasible at this location and therefore soakaways should be considered. Full-scale testing in accordance with BRE365 has been instructed and results will follow in due course.
- It has been suggested that due to the ground conditions, traditional strip or pad foundation are considered potentially suitable, however this should be subject to further investigation by the Principal Contractor.
- Moisture content was in the range of 12-19%

### 3.1.7 Existing Structures

There are no existing structures on site.

### 3.1.8 Previous Structural Modifications

Not applicable.

### 3.1.9 Factors Which May Have Adversely Affected The Structure

Not applicable

### 3.1.10 Difficulties Relating to Plant and Equipment in the Premises

Not applicable.

### 3.1.11 Health and Safety Information Contained in earlier Design, Construction or 'As-Built' Drawings

Not applicable.

## **3.2 Health Hazards**

### 3.2.1 Asbestos, including Results of Surveys

Not applicable.

### 3.2.2 Existing Storage of Hazardous Materials

There are no hazardous materials stored on site.

However, the Contractor is to carry out all necessary investigations or surveys to satisfy himself in this regard and is to deal with any hazardous materials in the correct manner.

Any works are to be carried out in accordance with the Control of Substances Hazardous to Health Regulations 2002, further advice in respect of which is available via the Health & Safety Executive's Guidance Note INDG136 "COSHH: Brief Guide to the Regulations".

### 3.2.3 Contaminated Land, including Results of Surveys

The Contractor is referred to Rossi Long's Geo-Environmental Report Ref 171153 dated 14<sup>th</sup> June 2017 which has identified potential ground contamination. The ground investigation report has indicated the potential need for further contamination testing to be commissioned by the Contractor.

#### 3.2.4 Existing Structures Containing Hazardous Materials

Not applicable.

#### 3.2.5 Health Risks Arising from Client's Activities

There are no identified health risks arising from the client's activities.

### **4.0 SIGNIFICANT DESIGN AND CONSTRUCTION HAZARDS**

#### **4.1 Significant Design Factors, Work Methods or Sequences or Other Controlling Factors**

Designers, the Principal Contractor and Contractors are to take account of problem areas of construction specific to the project, throughout their design and/or construction, and such problem areas are to be addressed by the Principal Contractor in the Construction Phase plan, including the following:

Underground and overhead services:

Attention is drawn to the information given/referred to above at item 3.1.5 relating to existing services. The Principal Contractor is to make such further enquiries of the Utility Companies as may be necessary regarding existing services, and is to ascertain any specific precautions or requirements of the relevant Utility Company – all prior to work commencing.

Ground obstructions and contamination:

Attention is drawn to the information given/referred to above at items 3.1.6 and 3.2.3 relating to ground conditions and/or contamination. The Principal Contractor is (by reference to such Reports as are available and from such further investigations/enquiries as may be necessary) to ensure that the extent and nature of any underground obstructions and/or ground contamination are determined.

Procedures are to be determined for the removal of any obstructions and/or contamination, together with any and all necessary subsequent remedial measures and the works are to be carried out in accordance with current legislation and also the requirements for the Environment Agency, the Local Environmental Health and Building Control Authority – whose specific written approval to the proposed measures shall be obtained and evidenced in writing, all prior to works commencing.

Piling

Fire Safety in Construction Works are to be carried out in accordance with the



Health & Safety Executive's guidance given in their Publication reference HSG 168 "Fire Safety in Construction" (Second Edition published 2010).

Additionally, Timber Frame Construction is to be carried out in accordance with the UK Timber Frame Association's (UKTFA) Guidelines and Recommendations (latest edition) - "16 Steps to Fire Safety on Timber Frame Construction Sites".

Works beyond the boundary of the site/within the public highway

Safe working at height: Works are to be carried out in accordance with the Health & Safety Executive's Guidance Notes INDG401 (Revision 1) "The Work at Height Regulations 2005".

#### **4.2 On-going Design Work and Design Changes**

The Principal Contractor is to ensure that on-going design work (or any change to existing designs) carried out under his direction/instruction is brought to the attention of the Principal Designer (should the Principal Contractor not be the Principal Designer at the time) to enable the communication, co-ordination, management and monitoring of such design work in the context of health and safety or communicated, managed, monitored and coordinated in the context of health and safety by the Principal Contractor in his role as Principal Designer if he is fulfilling that role at the time.

#### **4.3 Significant Risks Identified During Design**

No significant risks (which are not referred to elsewhere within this Pre-Construction information) have been identified through the design work undertaken prior to the issue of this document:

N.B. Details of risks identified during the pre-construction will be separately advised.

The Principal Contractor is to ensure that significant risks identified during design work (whether carried out under his or another's direction/instruction) are referred to/addressed within the Construction Phase Plan and/or within the Health and Safety File and also that such significant risks are brought to the attention of the Principal Designer should the Principal Contractor not be fulfilling that role at the time.

#### **4.4 Materials Requiring Particular Precautions**

The Principal Contractor (in liaison with any Designer under his direction or who he instructs) is, so far as possible, to ensure that the use of materials which are hazardous to health are avoided or designed out.

Any such materials which are hazardous to health and which cannot be avoided or designed out are to be fully identified and addressed within the Construction Phase Plan and/or within the Health and Safety File and are to be brought to the attention of the Principal Designer should the Principal Contractor not be fulfilling that role at the time.

#### **5.0 THE HEALTH AND SAFETY FILE**

## **5.1 Health and Safety File Format and Information Provision**

In his role as Design and Build Contractor for the Project - whether or not fulfilling the role of CDM Principal Designer - the Principal Contractor is to review, update and assemble all of the information required for the Health and Safety File. He is to pass this to the Client (via the Employer's Agent) on Practical Completion of the project in the format identified at Appendix A hereto.

In preparing the Health and Safety File the Principal Contractor is also to follow the recommendations of Appendix 4 to the "Construction (Design and Management) Regulations 2015 - Guidance on Regulations - Reference L153" published 2015 by HSE Books.

## **APPENDIX A**

### **HEALTH & SAFETY FILE PRO-FORMA**

#### **FORMAT**

As detailed under Section 5.0 of the Pre-Construction Information, the Principal Contractor is to prepare the Health and Safety File for the project containing information to accord with the Regulations and as provided for under Regulation 12 and following the guidance at Appendix 4 to the "Construction (Design and Management) Regulations 2015 - Guidance on Regulations – Reference L153" published 2015 by HSE Books.

The file is to be divided into sections as follows:

- |             |  |
|-------------|--|
| Section I   | General Project Particulars  |
| Section II  | Dwelling Type Particulars<br>(Sub-divided to provide one sub-section for each dwelling type)   |
| Section III | Plot Specific Particulars<br>(Sub-divided to provide one sub-section for each individual plot) |

The Principal Contractor is to provide the required information in the format agreed with the Client - either electronically on disk or in A4 ring binders with drawings folded and inserted in A4 size plastic filing wallets. The health and safety File is to be sub-divided as necessary to clearly identify its content.

#### **SECTION I - GENERAL PROJECT PARTICULARS**

Section I is to contain the following information together with any further details and particulars which the Principal Contractor may consider appropriate:

- .1** Schedule of Dwelling Types identified by Plot Nr. and Postal Address.
- .2** Commencement and completion dates of the Construction Phase of the Project.
- .3** Emergency call out names and telephone numbers - contactable 24 hours per day during the Contractual Rectification (Defects Liability) Period.
- .4** "As-built" record drawings comprising block plans, and external works and site works and plans accurately identifying in particular main routes and routes to/from individual dwellings of:
  - foul water drains/sewers
  - surface water drains/sewers
  - water services
  - electricity services (including street lighting)
  - gas services
  - telephone services
  - cable TV/communal aerial installations.
- .5** The location and operating, maintenance and emergency procedure details in respect of any on-site sub-stations, pumping chambers or similar structures.

## **SECTION II - DWELLING TYPE PARTICULARS**

Section II is to be divided into sub-sections, one for each dwelling type and - where applicable - for each communal stair hall/corridor serving flats and for each other building, e.g., communal facility.

Each of the sub-sections is to contain the following information, together with any further details and particulars which the Principal Contractor may consider appropriate:

- .1** "As built" record drawings of the building and other information, identifying in particular construction methods used (highlighting any provision for future adaption or equipment installation) and the accurate position of service routes (including water, electricity, gas, telephone, cable TV/aerial cables, foul and surface water drainage, waste pipework, etc) and the position of services equipment (boilers, tanks, distribution boards, etc).

Additionally, where relevant (e.g. for blocks of flats), key structural principles (e.g. pre-stressed or post tensioned members, safe working loads on roofs) shall be identified.

- .2** Details of materials used in the construction of the building, with any which might be hazardous highlighted accordingly.
- .3** Details of any aspect of the building's design and/or construction - which it has not been possible to "design out" and which is therefore incorporated - which is or may constitute a risk of being hazardous to those using the building, or carrying out cleaning operations or future maintenance or construction work to the building. Also in such circumstances means of mitigating the risk and for carrying out cleaning and maintenance operations are to be identified.
- .4** Operating manuals and instructions for all service and other equipment included within the building, including procedures for closing down, draining, etc, services installations.

## **SECTION III - PLOT SPECIFIC PARTICULARS**

Section III is to be divided into sub-sections - one for each plot.

Each of the sub-sections is to contain the following information, together with any further details and particulars which the Principal Contractor may consider appropriate:

- .1** Electrical Test Certificates.
- .2** Mechanical Services Test Certificates.
- .3** Details of any matters in respect of which the individual plot varies from the Dwelling Type Particulars.
- .4** Other plot specific particulars.

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