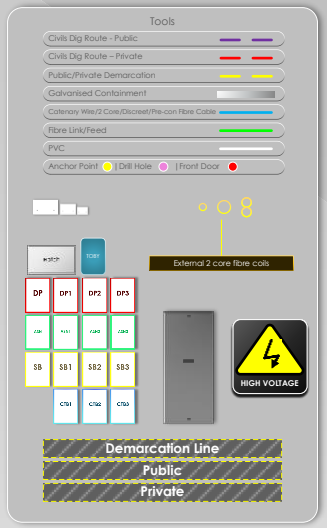
Fibre Installation Proposal

On behalf of..

SCCI alphatrack

Address :	1-4 Boughton Wharf Boughton Road Rugby CV21 1BF	
Survey performed by :	Nicholas Smith	
Survey Date :	31/10/2024	
Site Reference number :	CityRUG-FP-008	
City Fibre Release Code :	R-0607156	
Freeholder/Landlord Information :	E&M	
Main Contact :	City Fibre	
Number of floors :	2	
Number of Dwellings :	4	
Connection to the existing network :	Toby	
If PIA – Test Rod and Rope Completed	N/A	
Mobile elevating work platforms (MEWP)	N/A	
Build Type :	Internal	
Asbestos Monitoring :	Building/s Post: 2000	Yes
	Does the building contain asbestos?	No
	Has asbestos register been reviewed	No
	Have works been planned to avoid disturbing any asbestos?	Yes
(Access requirements) **(Complex installation areas)** **(H&S Hazards Identified)**	accessed via the trade button.	



Civil Description

From the existing network toby box, a 6m soft and 14m block civil dig is required to the base of the block. 1m of mechanical containment will be installed at the front of the block to the point of entry. A 7mm blown fibre tube will be installed from the network toby to the planned CTB location inside the ground hallway, switching to transport tube as it enters the block and running inside new PVC containment.

Cabling Description

A 12-core blown fibre cable will be blown from RUB-1-PN591-SN1 through to the planned CTB location.
Discreet cables will exit the CTB and run inside PVC containment at low level up the staircase before being glued and fire clipped along the skirting, up the crease in the wall and then where wall meets ceiling around the first floor hallway to feed the dwellings. A fibre will be left spliced inside a POE box above each front door on the hinge side ready for future connection.
Pre-connectorized cables for the external dwellings will exit the CTB and run inside new PVC containment above the entrance where wall meets ceiling. The pre-connectorized cables will exit the building either side of the entrance and be left in a 5m coil above the external front doors ready for future connection.

All drill-holes will be fire stopped using *Rockwool High Expansion Intumescent sealant*

Equipment

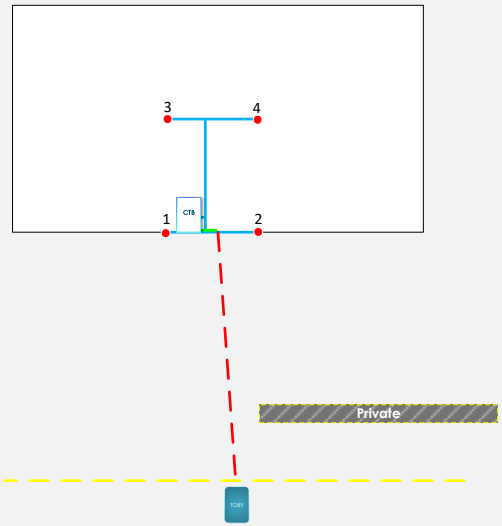
12 core feed cable –48m
BFT – 20m
Mechanical Containment-1m
Transport Tube-4m
PVC containment 19m
CTB2, Grey, No Splitters, 12 Splice 12 Patch LC/APC-1
Drill holes – 2
Discreet Fibre Cable-30m
Pre-Con Cable 10m-2
POE Box(s)-2

Pre-connectorized Fibre Cable Lengths

1-10m
2-10m

Discreet Fibre Cable Lengths

3-21m
4-26m



Public Civils

Private Civils

6m soft and 14m block.

The distinction between public and private civils is VERY IMPORTANT

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West Road
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ADDRESS

Boughton Wharf
Boughton Road
Rugby
CV21 1BF

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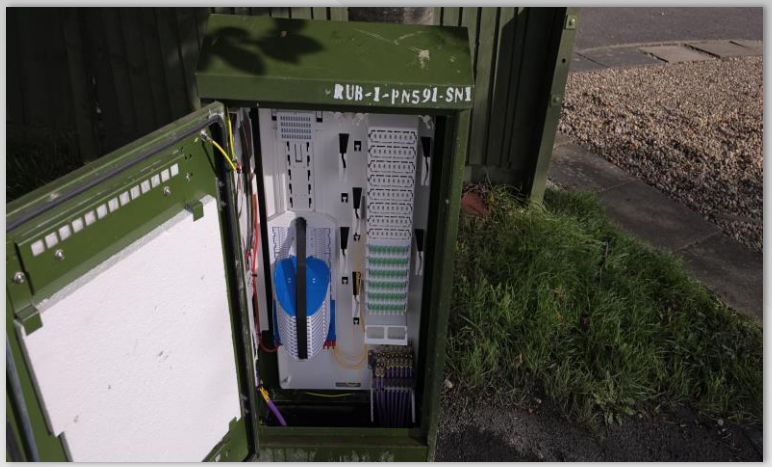

2

3

4

1

This block will be fed from RUB-1-PN591-SN1.

2

BFT inside existing Toby box.

3

6m soft civil dig route from existing Toby box.

4

14m block civil dig route to the base of the block.

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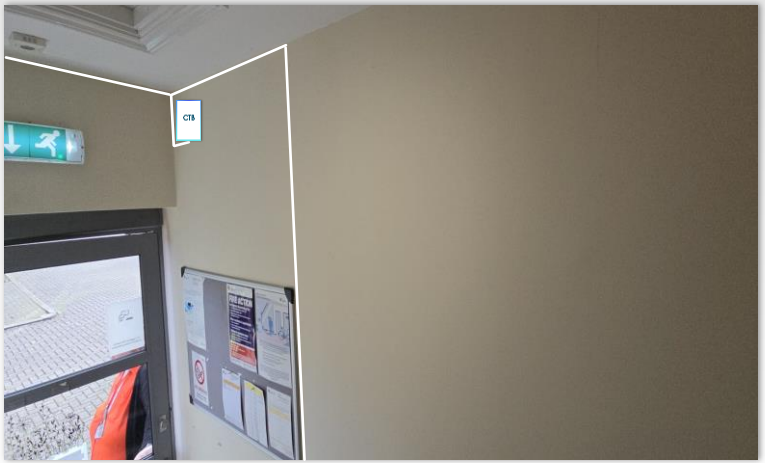

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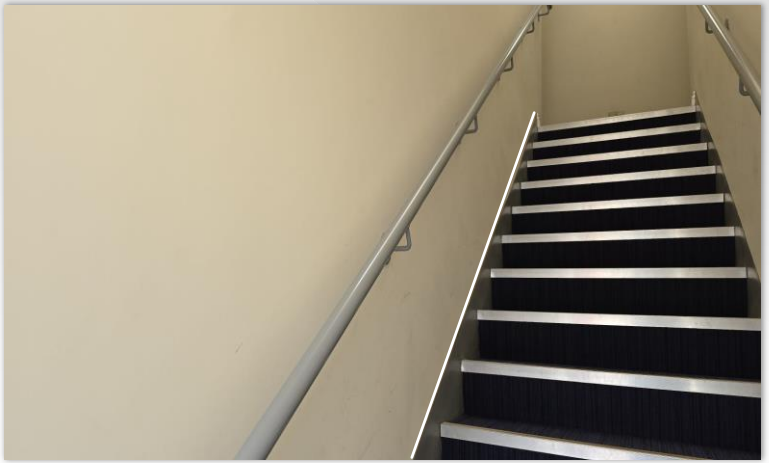

5

The BFT will switch to transport tube as it enters the block and run inside new PVC containment.

6

Pre-connectorized fibre cable route on the ground floor feeding dwelling 23. A 5m coil will be left above the false ceiling outside each front door ready for future connection.

7

CTB location inside the ground floor hallway.

8

Discreet cable route up the staircase at low level inside new PVC containment.

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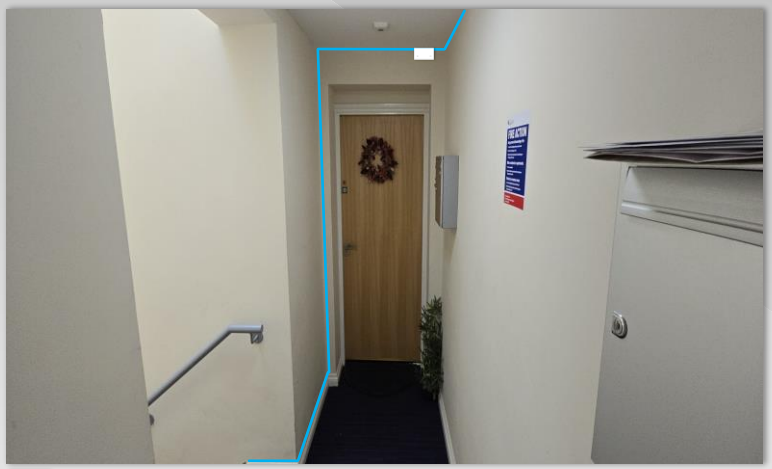

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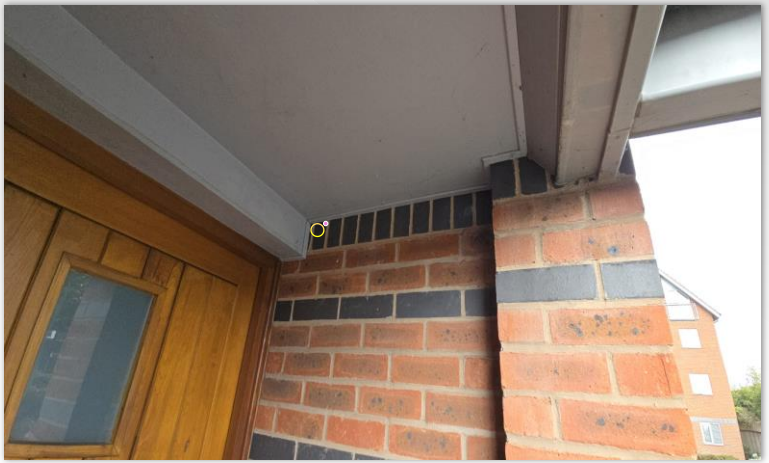

9

Discreet cable route on the left side of the first floor hallway. A fibre will be left spliced inside a POE box above each front door ready for future connection.

10

Discreet cable route on the first floor hallway, running to feed dwellings 3 and 4. A fibre will be left spliced inside a POE box above each front door ready for future connection.

11

Pre-connectorized cable route for dwelling 2 on the ground floor, to the right of the entrance. A 5m coil will be left above the front door ready for future connection.

12

Pre-connectorized cable route for dwelling 1 on the ground floor, to the left of the entrance. A 5m coil will be left above the front door ready for future connection.

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Aerial

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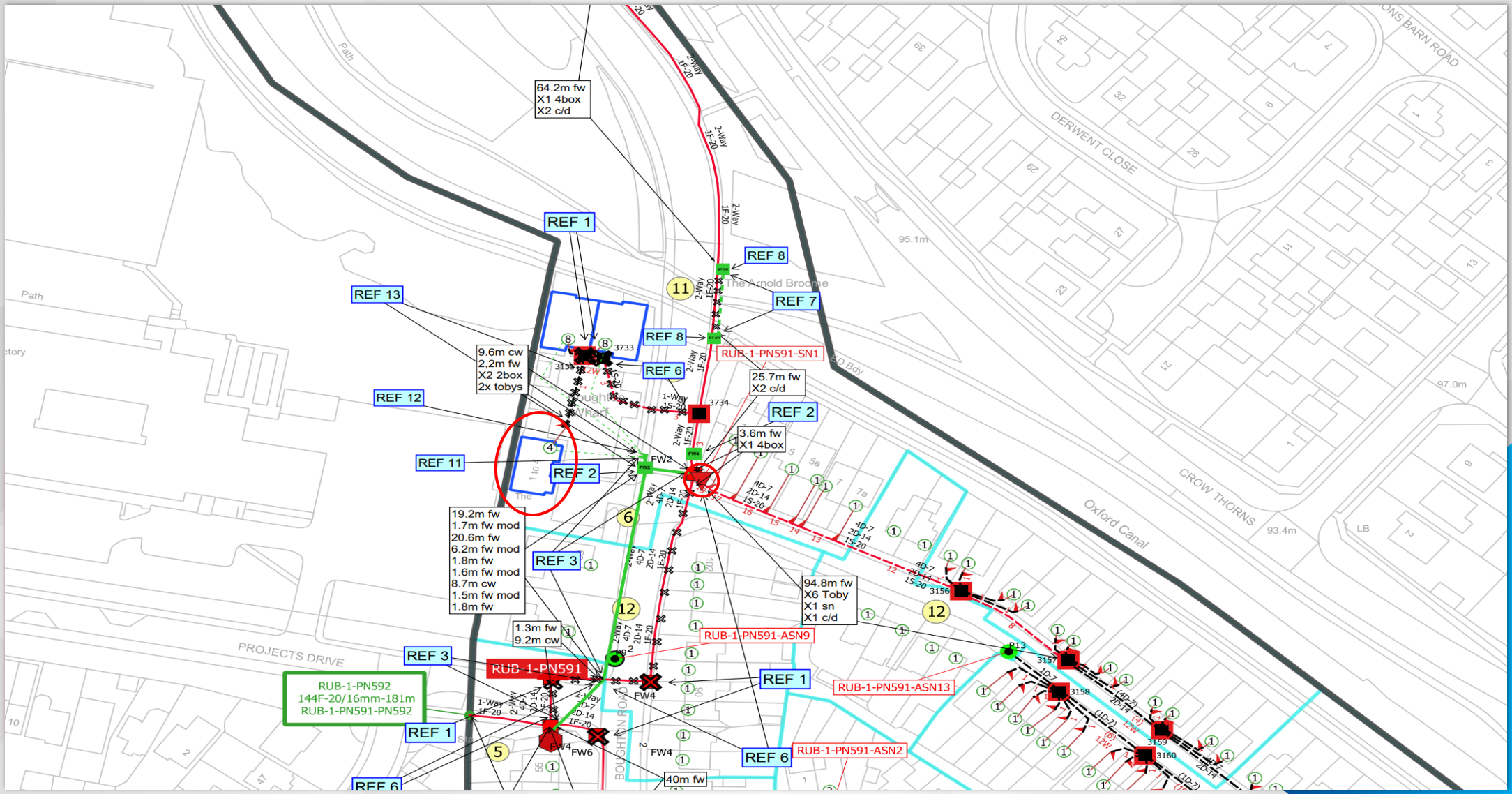

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PN Details	Flat Address	Floor	CTB	Fibre
RUB-1-PN591-SN1	1 Boughton Wharf, Rugby, CV21 1BF	Ground	CTB	Blue
RUB-1-PN591-SN1	2 Boughton Wharf, Rugby, CV21 1BF	Ground	CTB	Orange
RUB-1-PN591-SN1	3 Boughton Wharf, Rugby, CV21 1BF	First	CTB	Green
RUB-1-PN591-SN1	4 Boughton Wharf, Rugby, CV21 1BF	First	CTB	Red
				Slate
				Yellow
				Brown
				Purple
				Black
				White
				Rose
				Aqua

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ROCKWOOL®

Installation guidelines

Acoustic Intumescent Sealant

Tools required

- Sealant gun

Ancillary products

RWA45, RW4, PE backing rod

Fixing and application

1. Ensure surfaces and apertures are clean and free of bond breaking contaminants prior to the application of the sealant.
2. No priming is required for most commercial substrates; however, it is recommended that before installation the sealant is applied to a small area of the substrate to assess adhesion.
3. The sealant should not be applied if the ambient temperature is below 5°C as adhesion may be impaired.
4. The sealant is fast curing, approximately 15-minute tack free time. When fully cured, the sealant can be overpainted using a suitable water based paint which should not detract from the fire performance.
5. For linear gaps or around services, install the backing material to allow for the minimum allowable seal depth.
6. Backing material can consist of either RWA45/RW4/ PE backing rod fitted around the service or into the linear gap.
7. Install the Acoustic Intumescent Sealant to the required depth ensuring a smooth tight finish either with the service item and the substrate or substrate to substrate.
8. Repeat if necessary on opposite side of wall.

Each cartridge/sausage is intended to provide the following application rates:

Joint size (mm)	Depth of sealant (mm)	Yield per cartridge (m)	Yield per sausage (m)
10	10	3.10	5.90
20	15	1.03	1.95
30	20	0.51	0.95

Health & safety

The mechanical effect of fibres in contact with skin may cause temporary itching.

Cover exposed skin
When working in unventilated area wear disposable face mask.

Clean area using vacuum equipment.

Waste should be disposed of according to local regulations.

Rinse in cold water before washing.

Ventilate working area if possible.

Wear goggles when working overhead.

Asbestos 1

The proposed cable route avoids all likely contact with Asbestos

Instances

Photo	○ Location - ○ Risk - ○ Condition - ○ Type - **No Asbestos present/detected inside block.**
Photo	○ Location - ○ Risk - ○ Condition - ○ Type - **Notes:**
Photo	○ Location - ○ Risk - ○ Condition - ○ Type - **Notes:**
Photo	○ Location - ○ Risk - ○ Condition - ○ Type - **Notes:**

Hazard & Environmental Impact and Control Measures	Location:	As confirmed by address on details page

Part One: HAZARD ID & Recommended Minimum Control Measures

No	Hazard/Risk	Vehicular impact with trench/ guarding/workforce	Hazard/ Risk	Possible Control Measures (Contractor to refer to Safety Management System)
1	**Vehicular impact with trench/ guarding/workforce**	Hospital Entrance, Ambulance Station, Fire Station, Police Station, Pedestrian Crossing, Bad bend in road.	**No**	Provide NRSWA, Chapter 8 signing and guarding. Adequate barriers and equipment on site. Liaise with local residents/emergency services. Clean High Vis PPE worn at all times on site.
2	**Children getting access to the site (falling into trenches, interfering with equipment, guarding)**	School, Nurseries, Playparks	**Yes**	Inform School and Police of works. Provide NRSWA, Chapter 8 signing and guarding. Ensure equipment/vehicles are made safe before leaving unattended. Good Housekeeping on site. Undertake works during holidays / weekends
3	**People falling into excavations, manholes or other holes in the ground. People falling over Barriers**	All Sites Elderly Blind	**Yes**	Provide NRSWA, Chapter 8 signing and guarding. Adequate barriers and equipment on site. Liaise with local residents. Good Housekeeping on site. Clean High Vis PPE worn at all times on site.
4	**Explosion, Electrocution and/or Burns**	Plant or Works close to Overhead Lines, Exposed Electric Cables, Underground Electrical services. Private land where utility information is unregulated.	**No**	Refer to PU Prints, Contact Utility if request on plans prior to works commencing. Mark up Services, Detection Equipment used on site (Cat & Genny). Stop work and inform relevant utility immediately if damage occurs. Highly visible barriers should be erected at least 6 m away from overhead lines to prevent inadvertent approach to them. Crossing points beneath the overhead lines need to be clearly defined by means of red and white goalpost and signs. On private land, utility information is often out of date or unrecorded / not regulated. Use safe digging and construction methods on private land.
5	**Danger of Explosion and/ or escape of noxious gases- Risk of damage caused to underground services**	Exposed Gas duct, Underground Gas services Private land where utility information is unregulated.	**No**	Refer to PU Prints. Contact Utility if request on plans prior to works commencing and Mark up services prior to work commencing. Stop work and inform relevant utility immediately if damage occurs. On private land, utility information is often out of date or unrecorded / not regulated. Use safe digging and construction methods on private land.
6	**Danger of being struck by Train**	Works near railways. Level Crossings	**No**	Method statement required. Liaise with the railway operators
7	**Ignition of Hazardous Fumes**	Works near Petrol Station, Landfill sites. Gas Leak	**No**	Liaise with local businesses e.g. Petrol Station. No smoking or use of mobile phones near to the site. Gas testing prior to start of works and constant monitoring of gas levels required.
8	**Danger of Flooding and / or Drowning**	Existing Water Main Works close to river, lakes, lochs, sea	**No**	Rescue crews and equipment available on site, to be operated by trained and competent personnel only.
9	**Inhalation of toxic gas and oxygen deficiency Asphyxiation caused by contamination**	Confined Spaces e.g. Tunnels, Manholes, Trenches/Excavations Contaminated Land, Landfill sites	**No**	Gas Monitoring equipment available on site. Follow a safe system of work. Rescue procedures should be instructed prior to work commencing. Rescue crews to be deployed as required. Only trained and competent personnel (Minimum requirement Confined Space Entry and emergency escape with 5 minute escape set) to be deployed. No Lone Working under any circumstances.
10	**Slips, trips and falls**	Poor re-instatement, Damage to permanent surface, stored materials, trailing hoses or cables, Trailing pipe work	**Yes**	Remove waste and rubbish as it arises. Good Housekeeping. Provide NRSWA, Chapter 8 signing and guarding. Adequate barriers and equipment on site. Liaise with local residents/emergency services.
11	**People struck by vehicles entering or leaving the site**		**No**	Use a Banksman. Clean High Vis PPE worn at all times on site. Provide NRSWA, Chapter 8 signing and guarding. Adequate barriers and equipment on site. Liaise with local residents/emergency services. All vehicles must be driven/operated/towed in an appropriate way with safe loading of the vehicle
12	**Assault on the workforce**	Known trouble spots. Anywhere	**No**	Treat members of the public politely. All threats should be highlighted to your supervisors however minor. Staff must carry some means of communication
13	**Infection or wounding from Discarded Needles**	These can be found anywhere. Often sited in around drains, back lanes, Red light districts	**Yes**	Contact Local Authority Environmental Health Department for their removal. Keep cuts & abrasions covered with an impervious dressing. Wear heavy duty impervious gloves. Good Hygiene practices
14	**Hit by falling tools / equipment**	Steep Inclines. Narrow working area Work at height	**No**	Good Housekeeping. Equipment / tools should not be stored near the trench or on working platform. Kick boards to be deployed on all working platforms.
15	**Falls from height**	Work on ladders.	**Yes**	Inspect all equipment prior to use. Equipment should be fit for purpose, adequate size or length. Appropriate PPE should be worn. Whenever climbing or working on a structure at a height, personnel should be securely attached to the structure by a suitable means at ALL times. No Lone Working at any time.
16	**Lone Working**		**No**	Regular contact between the worker and their supervisor. Check must be made that the worker has returned to their base on completion of the task. Access to adequate First Aid Kit
17	**Hidden services and structural members in wall**	Masonry Wall Concrete Wall	**Yes**	Liaise with Building Manager. Mark up Services/Cables prior to work commencing
18	**Burning, Temporary Blindness from lasers**	Working with live fibres	**No**	Good Housekeeping - removal of sharps . Eye Wash available. Power down all lasers prior to work on working fibres. Deploy Laser Protection Glasses/Goggles where not possible to confirm powering down of equipment. Check for laser deployment using with Live Fibre Identifier but bear in mind that this is not a conclusive test.
19	**Woodland Fire**		**No**	Leave site immediately. Contact Emergency Services as soon as possible
20	**Interference with escape routes from surrounding buildings**		**No**	Provide NRSWA, Chapter 8 signing and guarding. Adequate barriers and equipment on site. Liaise with local residents/emergency services. Clean High Vis PPE worn at all times on site.
21	**Danger from leptospirosis**	Works near lakes, rivers, sewers and other standing water	**No**	Keep cuts & abrasions covered with an impervious dressing. Wear heavy duty impervious gloves. Good Hygiene practices. Carry Leptospirosis warning card if working in areas of likely rodent infestation. Notify doctor of possible contact with rodent habitat if reporting with flu like symptoms.
22	**Danger from Legionella / Pontiac Fever**	Cooling towers, air conditioning systems	**No**	Any illness should be reported immediately. Mask should be work during works.
23	**HGV vehicles impact with trench/ personnel**	Steep inclines Road Bends	**No**	Provide NRSWA, Chapter 8 signing and guarding. Adequate barriers and equipment on site. Liaise with local residents. Clean High Vis PPE worn at all times on site.
24	**Heavy plant toppling into an excavation.**	Steep inclines, narrow road/lane	**No**	Stop blocks provided. Never tip over an edge without approved stop blocks. Plant should be located away from trench edges
25	**Risk of trench collapse from surcharging**	Buildings, banking or other structures increase additional loading to the ground	**No**	Batten back trench sides. Trench Sheeting in Strips Plant, equipment and tools should be located away from the trench edges

Hazard & Environmental Impact and Control Measures	Location:	As confirmed by address on details page

Part One: HAZARD ID & Recommended Minimum Control Measures

No	Hazard/Risk	Vehicular impact with trench/ guarding/workforce	Hazard/ Risk	Possible Control Measures (Contractor to refer to Safety Management System)
26	Interference with structural integrity of building		No	Liaise with Building Manager prior to work commencing
27	Traffic Accidents	Areas of congestion. Local Accident Black spots	Yes	Inform School and Police of works. Provide NRSWA, Chapter 8 signing and guarding. Ensure equipment/vehicles are made safe before leaving unattended. Good Housekeeping on site. Undertake works during holidays / weekends
28	Asbestos (ACM – Asbestos Containing Material)	Buildings constructed or refurbished between 1950 and 1996. Insulating coating on steelwork Lagging on pipes boilers Some decorative plaster Old Firestopping materials Corrugated roofing materials		In order to avoid asbestos, information must be obtained on the location and condition of asbestos prior to work commencing from the building manager (Asbestos Register) Liaise with the Building Manager during works. **Note:** All staff are trained in Asbestos awareness and instructed that if they identify any suspected asbestos they stop work immediately and contact both the Building Manager and (the contractors) Health & Safety team for further instructions. CityFibre have Asbestos Policies and procedures in place covering such an eventuality.
	Who did you speak to regarding asbestos?			Managing Agent - City Fibre
	Building/s Post: 2000			Yes
	Does the building contain asbestos?			No
	Is there any known ACM in the vicinity of the works?			No
	Asbestos contact for the building?			Managing Agent - City Fibre
	What are the customer arrangements for the ACM in the building?			**Compliance with Asbestos Regulations 6 April 2012 formally Directive 2009/148/EC**

Part Two: Environmental Hazard Identification and Minimum Control Measure Guidance

The Designer is required to answer each of the questions listed below in relation to the planned works and surrounding area, based upon the findings during site survey and any guidance from third parties. The document is intended to outline minimum expected control measures on site and to support Supply Chain's Environmental Management Plans. The accurate completion of this form will assist the contractors in identifying and implementing suitable environmental control measures.

Hazard & Environmental Impact and Control Measures			Location:	As confirmed by address on details page
No	Hazard/Risk	Vehicular impact with trench/ guarding/workforce	Hazard/ Risk	Possible Control Measures (Contractor to refer to Safety Management System)
1	**Nuisance (noise, dust, door etc.)**	Noise/vibration/dust - Is there a likelihood that work methods and equipment used will generate excessive levels of noise, vibration and dust? Will these cause a nuisance to local residents?	Yes	The Local Authority's environmental Health Officer will be kept informed of all upcoming activities that may impact local residents. All plant and machinery will be switched off when not in use. All plant and machinery will be maintained and serviced to minimise noise. Dust reduction measures to be employed if necessary.
		Access - is there a likelihood that the works impact upon the access to local properties?	No	The local authorities environmental Health Officer will be kept informed of all upcoming activities that may impact local residents. Any additional Site Specific details and/or location details should be added below if applicable:
		Mud on public roads - Is there a likelihood that the works will generate excessive levels of mud which may contaminate public access areas?	No	A road sweeper will be employed where required to keep local roads clean.
		Light Pollution - Are any element of the planned works to be implemented during the hours of darkness, do the works require artificial lighting?	No	Ensure suitable equipment is selected to only illuminate the work area required to limit impact on adjacent residents/ areas. Direct light downwards and utilise shields/baffles to reduce the amount of 'upward light
		Working hours - is there a requirement to work outside normal daytime working hours?	No	Site specific details below, where applicable:
		Street/ Area (insert additional lines if required)		Working Hours Applicable (outside normal working has only)
2	**Management of Materials**	Fuels & chemicals -Do works require the storage of fuels, oils or lubricants on or adjacent to the works area?	No	Oil/fuel/chemical drums are to be stored in accordance with local legislation and Contractor specifications. All bulk storage tanks are to be integrally bunded proprietary tanks. Storage areas are to be located away from general traffic movements and surface water drains and secured against unauthorized discharge. Appropriate spillage control kits must be available on site
		Construction materials - Is there a likelihood that the works will require materials to be stored on site?	No	Materials to be stored in designated storage areas. Materials to be stored correctly so as to prevent damage and subsequent waste.
3	**Ecology and Archaeology**	Trees/Hedgerows/Vegetation - Are there any trees or hedgerows along/adjacent to the proposed works?	No	Ensure that cable routes take account of the protection of trees/hedgerows and cause no damage to their roots. Refer to Volume 4 of NJUG. Any additional Site Specific details and/or location details should be added below if applicable:
		Tree Preservation Orders -Have any TPO's been identified via 3rd party discussions or reasonably presumed?	No	All mature trees that are to be retained are to be protected. NJUG Vol 4 guidelines on protection zone diameters to be followed. Any additional Site Specific details and/or location details should be added below if applicable:
		Ecology and Archaeology - is there a likelihood that the work area may be designated as an area of special interest?	No	Contact the landowner to ask if there are any known ecological and archaeological issues at the site. To identify if the area is designated as an area of special interest use (Copy and paste into browser): http://magic.defra.gov.uk/website/magic/ Management (contractors' own) will be notified if any protected species or archaeological remains are encountered. Any additional Site Specific details and/or location details should be added below if applicable:
		Invasive/injurious species - Has any 3rd parties indicated the presence of invasive plant species or where this may reasonably be presumed?	No	Management (contractors' own) will be notified if any invasive plant species are encountered. Any additional Site Specific details and/or location details should be added below if applicable:
4	**Watercourses**	Controlled Waters, Foul and Surface Water Drains- Are there any rivers, streams, ditches, culverts or drainage gullies adjacent to the works area?	No	No waste water is to be discharged to Controlled Waters or be allowed to enter Foul or Surface Water Drains, unless prior consent has been sought. Particular attention to the control of silty or polluted waters is required. Use of standpipes must also be in accordance with Local Water Company requirements.
5	**Waste**	Storage and disposal - Is there a likelihood that the works will generate site waste that will require storage and/or disposal?	No	All waste will be stored and disposed of in accordance with local legislation/regulation.
		Hazardous waste - Is there a likelihood that the works will generate waste that may be hazardous or uses/produces stores/materials that are known to generate hazardous waste (fibre optic waste, cement etc.)?	No	All hazardous waste will be stored and disposed of in accordance with local legislation and contractors regulation. Any additional Site Specific details and/or location details should be added below if applicable:
		Site Waste Management Plan (SWMP) requirement - does the value of the planned works exceed £300k ?	No	If yes a SWMP will be produced.
6	**Waste**	Evidence of contamination - Is there a likelihood that the works involve contaminated ground or where the existence of contaminated ground likely to be affected by planned works may be reasonably presumed?	No	If any suspected contaminated ground is encountered during the works this is to be reported to management (contractors' own) Any additional Site Specific details and/or location details should be added below if applicable:
7	**Use of Resources**	Use of water, Electricity, other Fuels - Is there a likelihood that the works will utilise Water, Electricity or other Fuels?	No	Switch off equipment when not in use, ensure equipment is properly maintained, implemented effective fault reporting

Part Three: Additional information: THE ABOVE CHECK LISTS ARE NOT EXHAUSTIVE ANY FURTHER HAZARDS SHOULD BE LISTED BELOW PRIOR TO ISSUING TO THE CONSTRUCTION SECTION e.g. Affected Listed/Protected building and Structures, specific instructions from local authorities to use recycled/Sustainable materials etc.

	Listed Building	The buildings façade is listed	No	Listed Building consent will need to be obtained via the Landlord prior to any work commencing. No deviation to route once agreed should be made without further consents