

**DESIGN HAZARDS**

(The following information has been collected from Preconstruction Information and Amey Process PLC-H&S-201 – Hazard Management for Designers.)

- Existing possible STATS equipment including - BT, National Grid, STW Water, Virgin Media, Western Power Distribution. Refer to STATS plans for full details.
- Live Traffic

- Notes**
- All Dimensions are in metres unless otherwise stated.
  - The contractor shall comply with the Manual Handling regulations 2002.
  - Any errors or omissions shall be referred to the Project Manager.
  - All works shall be in accordance with Birmingham City Council Specification (Highways and Infrastructure Works Framework 2014 to 2018 contract No P178 Vol C Lots 1-4 dated Feb 2014) and as amended by the scheme and additional notes on the drawings.
  - Details of setting out to be agreed with the Project Manager at Pre-construction meeting.
  - All lift up/take down materials to be removed off site unless stated otherwise.
  - Existing footway levels and cross falls are to be maintained.
  - Service covers are to be adjusted to suit the finished footway levels where required.
  - STATS information to be provided as part of design package. Any additional trial holes required to be undertaken at start of construction phase.
  - SCRIM testing of carriageway is to be undertaken prior to construction, if insufficient SCRIM (below 68PSV) carriageway on the approach to the crossing is to be resurfaced.
  - Existing road markings to be removed by hydro blasting, ensuring all remnants of exist line is removed fully.

**KEY**

- Proposed Corduroy Paving to be installed along with footway reinstatement min. 500mm in accordance with BCC standard detail HW-11.15 and HW-11.55.
- Proposed Tactile Paving (Red Colour) to be installed along with footway reinstatement min. 500mm in accordance with BCC standard detail HW-11.15 and HW-11.55.
- Proposed sign
- Proposed Kerbing Works. Existing crossing to be widened.
- Proposed Yellow or fluorescent yellow globe to indicate presence of a tiger crossing in accordance with TSRGD. diagram 4007 (3.1m high pole, 275mm Globe). Electrical feed to be from DNO supply taken from existing feeder pillar.
- Proposed Road Markings
- Existing Road markings to be removed
- Existing Road Markings to remain
- Existing Carriageway to be plained out to a depth of 45mm, Thin Surface Course (SMA) applied to PSV68+.

A	QF080 Comments	JD	DM	GH	19.06.17
Rev	Rev details	Drwn	Chkd	Appd	Date
Designed: AF/DM		Date: 05.05.17			
Drawn: JD		Date: 05.05.17			
Checked: DM		Date: 19.06.17			
Approved: GH		Date: 19.06.17			

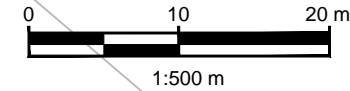


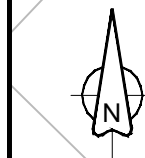
Client  
**Birmingham City Council**

Project Name  
**BCR Local Links  
Old Walsall Road**

Drawing Title  
**Site 16  
General Arrangement**

Original Drg Size : A3	Scale : 1:250
Dimensions : -	
Drawing Status <b>For Tender</b>	Suitability <b>S0</b>
Drawing No <b>BCR-NC793-16-003</b>	Revision <b>A</b>





CHINN BROOK ROAD

TRITTFORD ROAD

HIGHFIELD ROAD

PRIORY ROAD

Shelter

Outfall

River C

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  - The contractor shall comply with the Manual Handling regulations 2002.
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  - Existing footway levels and cross falls are to be maintained.
  - Service covers are to be adjusted to suit the finished footway levels where required.
  - STATS information to be provided as part of design package. Any additional trial holes required to be undertaken at start of construction phase.
  - NJUG Guidelines for the planning, installation and maintenance of utility apparatus in proximity to trees is to be made available and followed at all times during the construction phase of the scheme.

**KEY**

- Proposed Corduroy Paving to be installed along with footway reinstatement min. 500mm in accordance with BCC standard detail HW-11.15 and HW-11.55
- Proposed sign

A	QF080 Comments	JD	DM	GH	19.06.17
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Drawn: JD		Date: 05.05.17			
Checked: DM		Date: 19.06.17			
Approved: GH		Date: 19.06.17			

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Client

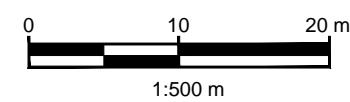
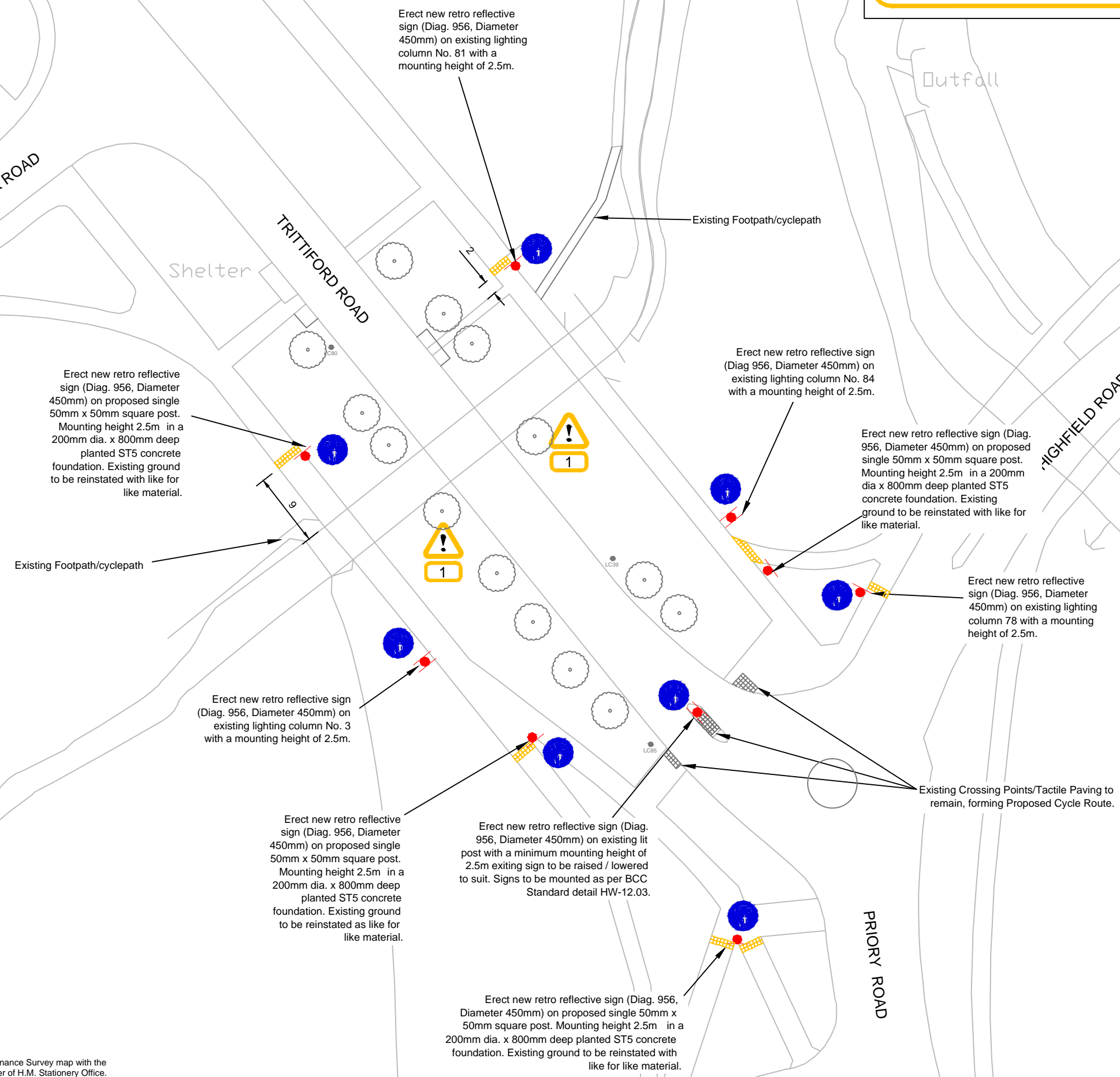
Project Name  
**BCR Local Links  
 Trittford Road**

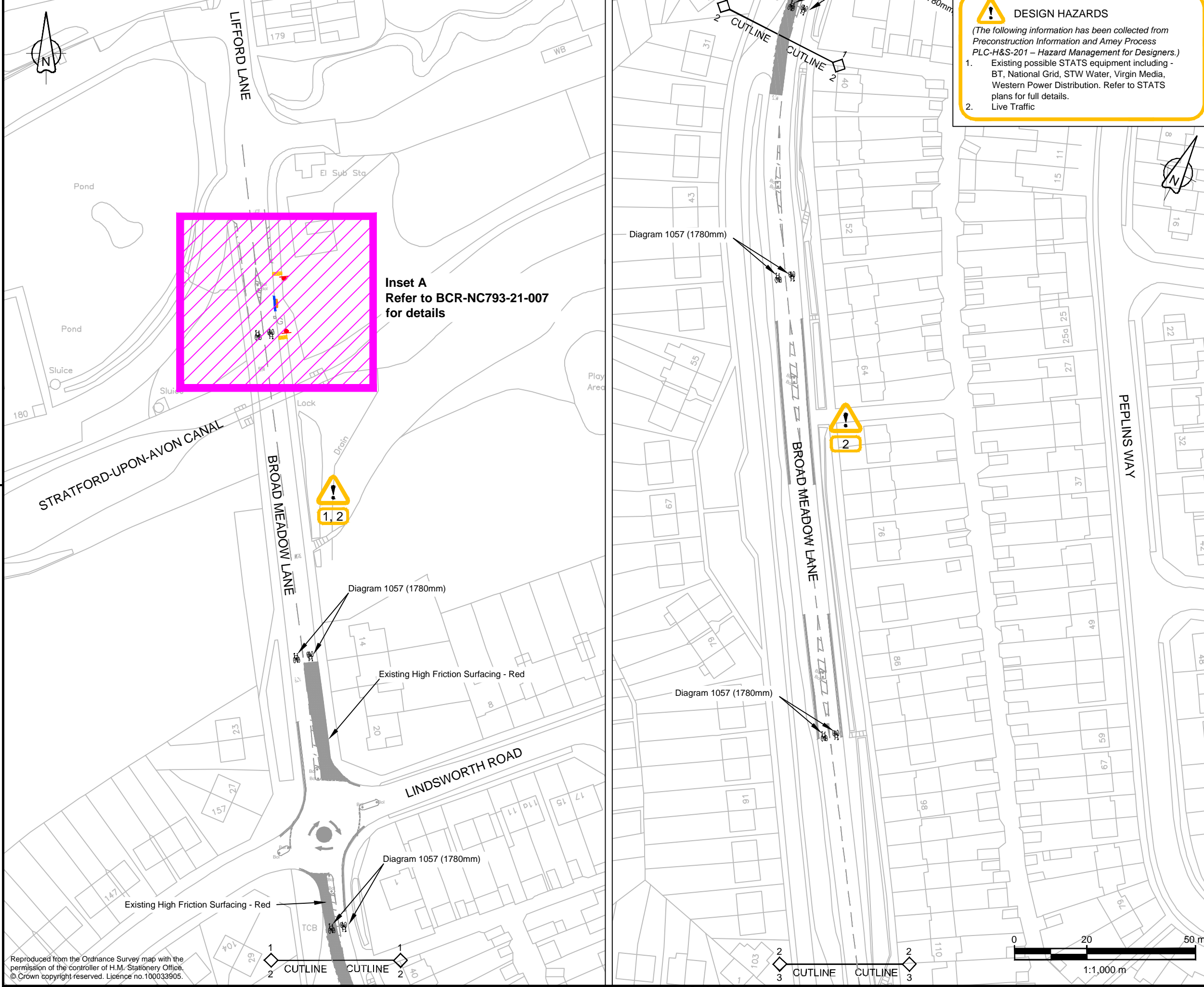
Drawing Title  
**Site 20  
 General Arrangement**

Original Drg Size : A3    Scale : 1:500  
 Dimensions : -

Drawing Status  
**For Tender**    Suitability  
 S0

Drawing No  
**BCR-NC793-20-003**    Revision  
 A





**DESIGN HAZARDS**  
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- Live Traffic

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- KEY**
- Proposed Corduroy Paving to be installed along with footway reinstatement min. 500mm in accordance with BCC standard detail HW-11.15 and HW-11.55.
  - Proposed Tactile Paving (Buff Colour) to be installed along with footway reinstatement min. 500mm in accordance with BCC standard detail HW-11.15 and HW-11.55
  - Proposed sign
  - Proposed Kerbing Works
  - Existing Road Markings
  - Proposed Road Markings

Rev	Rev details	Drwn	Chkd	Appd	Date
A	QF080 Comments	JD	DM	GH	19.06.17

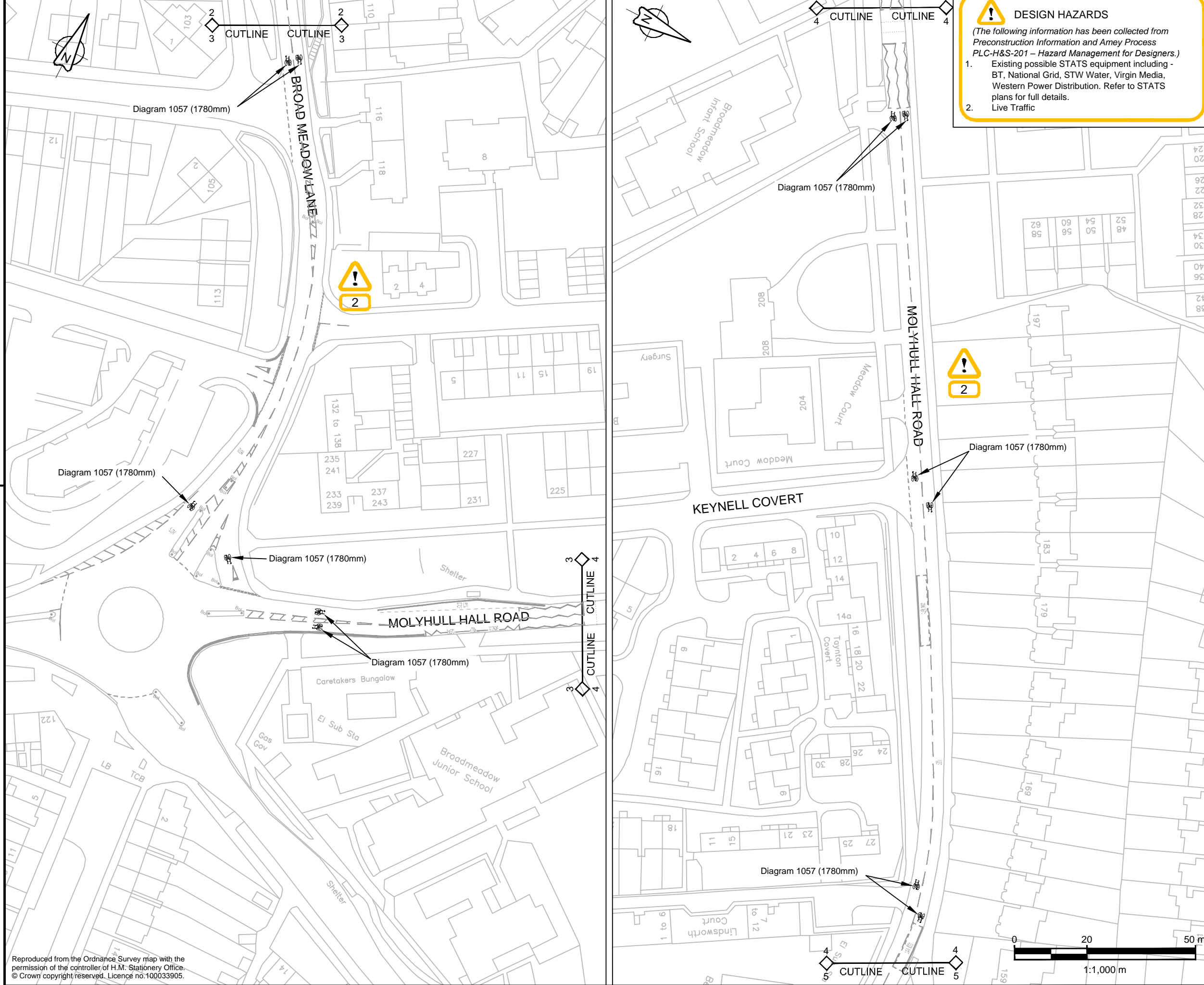
Designed:	AF/DM	Date:	05.05.17
Drawn:	JD	Date:	05.05.17
Checked:	DM	Date:	19.06.17
Approved:	GH	Date:	19.06.17



Project Name  
**BCR Local Links**  
**Molyhull Hall Road to Rea Valley**

Drawing Title  
**Site 21**  
**General Arrangement**  
**Sheet 1 of 6**

Original Drg Size : A3	Scale : 1:1,000
Dimensions : -	
Drawing Status <b>For Tender</b>	Suitability <b>S0</b>
Drawing No <b>BCR-NC793-21-003</b>	Revision <b>A</b>



**DESIGN HAZARDS**

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- Live Traffic

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- KEY**
- Proposed Corduroy Paving to be installed along with footway reinstatement min. 500mm in accordance with BCC standard detail HW-11.15.
  - Proposed Tactile Paving (Buff Colour) to be installed along with footway reinstatement min. 500mm in accordance with BCC standard detail HW-11.15.
  - Proposed sign
  - Proposed Kerbing Works
  - Existing Road Markings
  - Proposed Road Markings

A	QF080 Comments	JD	DM	GH	19.06.17
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Drawn: JD		Date: 05.05.17			
Checked: DM		Date: 19.06.17			
Approved: GH		Date: 19.06.17			



Project Name  
**BCR Local Links  
 Molyhull Hall Road to Rea Valley**

Drawing Title  
**Site 21  
 General Arrangement  
 Sheet 2 of 6**

Original Drg Size : A3	Scale : 1:1,000
Dimensions : -	
Drawing Status <b>For Tender</b>	Suitability <b>S0</b>
Drawing No <b>BCR-NC793-21-004</b>	Revision <b>A</b>



**DESIGN HAZARDS**

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- Live Traffic

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  - Service covers are to be adjusted to suit the finished footway levels where required.
  - STATS information to be provided as part of design package. Any additional trial holes required to be undertaken at start of construction phase.

- KEY**
- Proposed Corduroy Paving to be installed along with footway reinstatement min. 500mm in accordance with BCC standard detail HW-11.15.
  - Proposed Tactile Paving (Buff Colour) to be installed along with footway reinstatement min. 500mm in accordance with BCC standard detail HW-11.15.
  - Proposed sign
  - Proposed Kerbing Works
  - Existing Road Markings
  - Proposed Road Markings

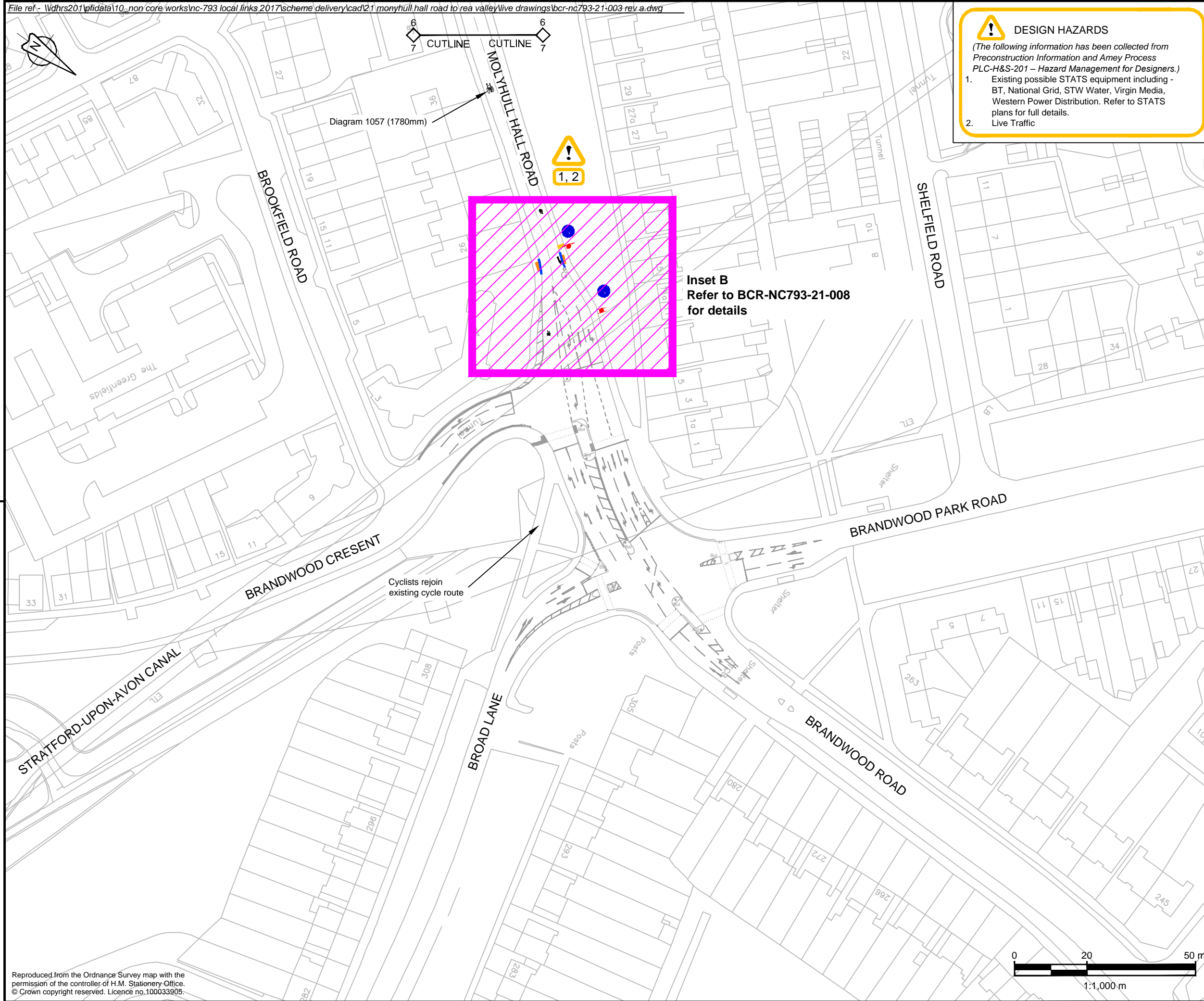
A	QF080 Comments	JD	DM	GH	19.06.17
Rev	Rev details	Drwn	Chkd	Appd	Date
Designed: AF/DM		Date: 05.05.17			
Drawn: JD		Date: 05.05.17			
Checked: DM		Date: 19.06.17			
Approved: GH		Date: 19.06.17			



Project Name  
**BCR Local Links  
 Molyhull Hall Road to Rea Valley**

Drawing Title  
**Site 21  
 General Arrangement  
 Sheet 3 of 6**

Original Drg Size : A3	Scale : 1:1,000
Dimensions : -	
Drawing Status For Tender	Suitability S0
Drawing No BCR-NC793-21-005	Revision P01.1



**DESIGN HAZARDS**

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- Live Traffic

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  - Service covers are to be adjusted to suit the finished footway levels where required.
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- KEY**
- Proposed Corduroy Paving to be installed along with footway reinstatement min. 500mm in accordance with BCC standard detail HW-11.15 and HW-11.55
  - Proposed Tactile Paving (Buff Colour) to be installed along with footway reinstatement min. 500mm in accordance with BCC standard detail HW-11.15 and HW-11.55
  - Proposed sign
  - Proposed Kerbing Works
  - Existing Road Markings
  - Proposed Road Markings

A	QF080 Comments	JD	DM	GH	19.06.17
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Designed: AF/DM		Date: 05.05.17			
Drawn: JD		Date: 05.05.17			
Checked: DM		Date: 19.06.17			
Approved: GH		Date: 19.06.17			



Project Name  
**BCR Local Links  
Molyhull Hall Road to Rea Valley**

Drawing Title  
**Site 21  
General Arrangement  
Sheet 4 of 6**

Original Drg Size : A3	Scale : 1:1,000
Dimensions : -	
Drawing Status <b>For Tender</b>	Suitability <b>S0</b>
Drawing No <b>BCR-NC793-21-006</b>	Revision <b>A</b>



**DESIGN HAZARDS**  
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- Live Traffic

- Notes**
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  - Service covers are to be adjusted to suit the finished footway levels where required.
  - STATS information to be provided as part of design package. Any additional trial holes required to be undertaken at start of construction phase.
  - NJUG Guidelines for the planning, installation and maintenance of utility apparatus in proximity to trees is to be made available and followed at all times during the construction phase of the scheme.

- KEY**
- Proposed Corduroy Paving to be installed along with footway reinstatement min. 500mm in accordance with BCC standard detail HW-11.15 and HW-11.55.
  - Proposed Tactile Paving (Buff Colour) to be installed along with footway reinstatement min. 500mm in accordance with BCC standard detail HW-11.15 and HW-11.55.
  - Proposed sign
  - Proposed Kerbing Works

A	QF080 Comment	JD	DM	GH	19.06.17
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Designed: AF/DM		Date: 05.05.17			
Drawn: JD		Date: 05.05.17			
Checked: DM		Date: 19.06.17			
Approved: GH		Date: 19.06.17			



Client  
**Birmingham City Council**

Project Name  
**BCR Local Links  
 Link to Billesley Common  
 from canal & Chinn Brook**

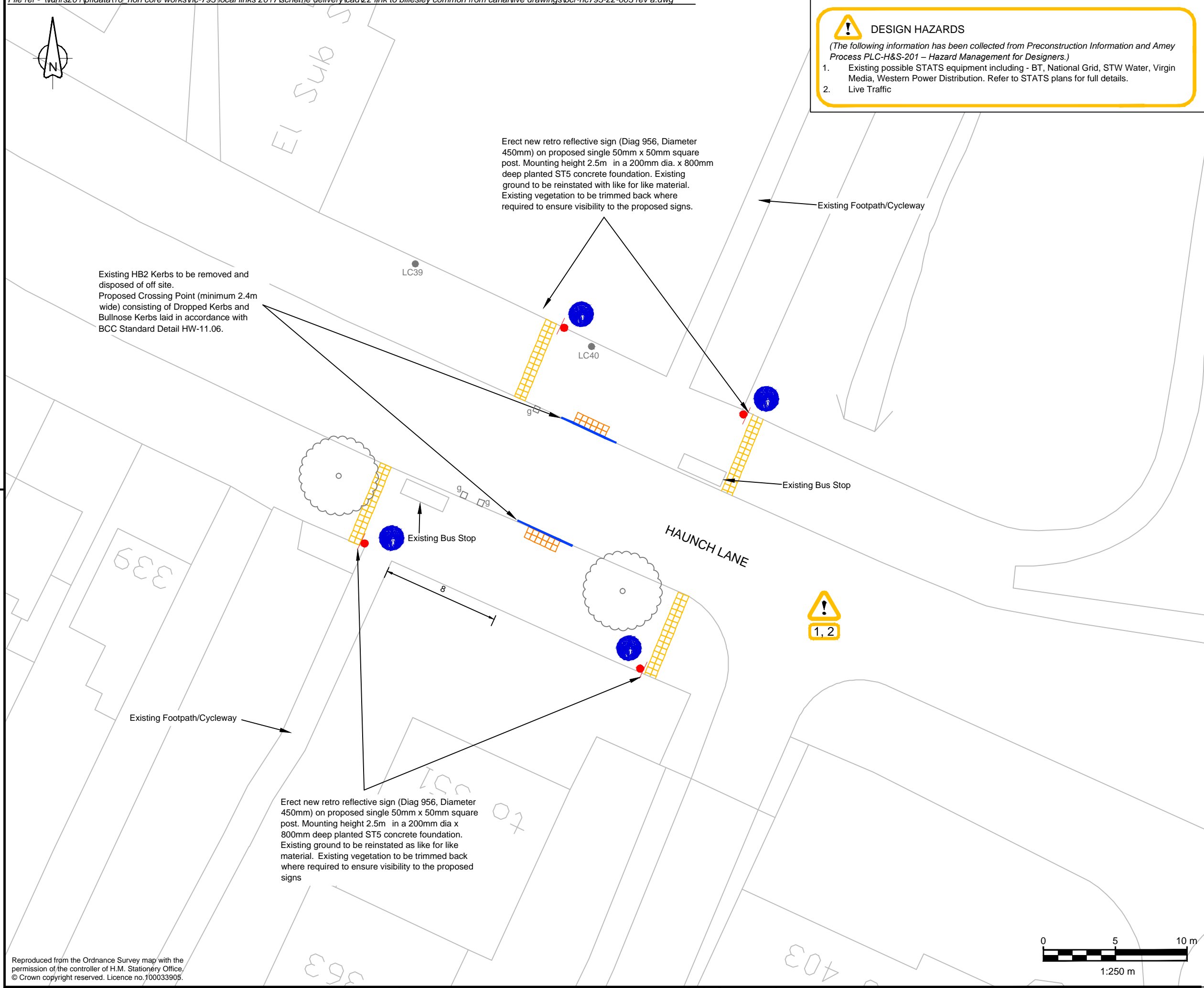
Drawing Title  
**Site 22  
 General Arrangement**

Original Drg Size : A3	Scale : 1:250
Dimensions : -	
Drawing Status <b>For Tender</b>	Suitability <b>S0</b>
Drawing No <b>BCR-NC793-22-003</b>	Revision <b>A</b>

Erect new retro reflective sign (Diag 956, Diameter 450mm) on proposed single 50mm x 50mm square post. Mounting height 2.5m in a 200mm dia. x 800mm deep planted ST5 concrete foundation. Existing ground to be reinstated with like for like material. Existing vegetation to be trimmed back where required to ensure visibility to the proposed signs.

Existing HB2 Kerbs to be removed and disposed of off site. Proposed Crossing Point (minimum 2.4m wide) consisting of Dropped Kerbs and Bullnose Kerbs laid in accordance with BCC Standard Detail HW-11.06.

Erect new retro reflective sign (Diag 956, Diameter 450mm) on proposed single 50mm x 50mm square post. Mounting height 2.5m in a 200mm dia x 800mm deep planted ST5 concrete foundation. Existing ground to be reinstated as like for like material. Existing vegetation to be trimmed back where required to ensure visibility to the proposed signs





**DESIGN HAZARDS**

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2. Live Traffic

**Notes**

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6. All lift up/take down materials to be removed off site unless stated otherwise.
7. Existing footway levels and cross falls are to be maintained.
8. Service covers are to be adjusted to suit the finished footway levels where required.
9. STATS information to be provided as part of design package. Any additional trial holes required to be undertaken at start of construction phase.

**KEY**

- Proposed Corduroy Paving to be installed along with footway reinstatement min. 500mm in accordance with BCC standard detail HW-11.15 and HW-11.55.
- Proposed Tactile Paving (Buff Colour) to be installed along with footway reinstatement min. 500mm in accordance with BCC standard detail HW-11.15 and HW-11.55.
- Proposed sign
- Proposed Kerbing Works
- Proposed "H" bar in accordance with TSRGD. Diagram 1026.1.

A	QF080 Comments	JD	DM	GH	19.06.17
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Approved: GH		Date: 19.06.17			



Client  
**Birmingham City Council**

Project Name  
**BCR Local Links Harborne Walkway**

Drawing Title  
**Site 23 General Arrangement**

Original Drg Size : A3 Scale : 1:250  
Dimensions : -

Drawing Status  
**For Tender** Suitability  
**S0**

Drawing No  
**BCR-NC793-23-003** Revision  
**A**

Erect new retro reflective sign (Diag 956, Diameter 450mm) on proposed single 50mm x 50mm square post. Mounting height 2.5m in a 200mm dia. x 800mm deep planted ST5 concrete foundation. Existing ground to be reinstated with like for like material.

Existing footway/Cycleway leading to Harborne Walkway

Erect new retro reflective sign (Diag. 956, Diameter 450mm) on proposed single 50mm x 50mm square post. Mounting height 2.5m in a 200mm dia. x 800mm deep planted ST5 concrete foundation. Existing ground to be reinstated with like for like material.

Existing Granite Kerbs to be removed and disposed off site. Proposed crossing point 2.4m wide consisting of Transition Kerbs, Dropped Kerbs and Bullnose Kerbs laid in accordance with BCC Standard Detail HW-11.04, HW-11.06 and HW-11.55 Used for cyclists to enter the footway from the carriageway.

**NOTE**  
Diagram 1057's and 1059's to be located appropriately within the carriageway to allow them to be visible when parked cars are located along Park Hill Road.

Diagram 1057 (1780mm)  
Diagram 1059 (2m Left Turn)

Diagram 1057 (1780mm)  
Diagram 1059 (2m Left Turn)

129

145  
145