



Highway Condition Survey

Trinity Academy, Barnsley

Highway Condition Survey
prepared on behalf of Bowmer
and Kirkland Limited

November 2021

MILESTONE
TRANSPORT PLANNING

Highway Condition Survey – Trinity Academy, Barnsley

Project No: MTP Ref: 21-155

Document Reference No: 2021-11 Highway Condition Survey 21-155_Draft

Document Title: Highway Condition Survey

Date: November 2021

Client Name: Bowmer and Kirkland Limited

Project Manager: Toby Gosden

Author: Danny Clarke

Produced By: [Milestone Transport Planning Limited](#)
Abbey House, 282 Farnborough Road, Farnborough, Hants, GU14 7NA - Tel: 01483 397888
Gateshead IBC, Mulgrave Terrace, Gateshead, Tyne & Wear, NE8 1AN - Tel: 0191 3387220

Email: mail@milestonetp.co.uk
Web: www.milestonetp.co.uk

Document history and status

Revision	Date	Description	Prepared By	Checked By	Authorised By
-	05/11/2021	Highway Condition Survey (1 st Draft)	D Clarke	P Koven	T Gosden
Final	05/11/2021	Highway Condition Survey (Final)	D Clarke	P Koven	T Gosden

CONTENTS

1.	Introduction	1
	Scope of Highway Condition Survey	1
	Report Structure.....	2
2.	Highway Condition Survey - Keresforth Close	3
	General Condition	3
	Items Identified During Survey.....	3
	Location: Chainage 0.0 – eastern footway looking west across carriageway	3
	Location: Chainage 6.0 – eastern footway looking west across carriageway	4
	Location: Chainage 35.0 – eastern footway looking across to western verge.....	4
	Location: Chainage 60.0 – western side of carriageway at access to Keresforth Court	5
	Location: Chainage 64.0 – western side of carriageway looking across access to Keresforth Court.....	5
	Location: Chainage 66.0 – eastern edge of carriageway looking towards kerb	6
	Location: Chainage 70.0 – eastern footway looking west across carriageway	6
	Location: Chainage 80.0 – eastern side of carriageway looking east towards footway	7
	Location: Chainage 85.0 – eastern footway looking towards gully.....	7
	Location: Chainage 96.0 – middle of carriageway facing north along Keresforth Close.....	8
	Location: Chainage 109.0 – eastern footway looking towards gully	8
	Location: Chainage 136.0 – western edge of carriageway looking at gullies.....	9
	Location: Chainage 146.0 – western edge of carriageway looking across access to residential area	9
	Location: Chainage 150.0 – middle of carriageway looking north along centreline.....	10
	Location: Chainage 159.0 – eastern footway looking along back of kerb	10
	Location: Chainage 165.0 – eastern side of carriageway looking towards gully	11
	Location: Chainage 168.0 – eastern side of footway facing west across carriageway.....	11
3.	Highway Condition Survey - Broadway (B6133).....	12
	General Condition	12
	Items Identified During Survey.....	12
	Location: Chainage 0.0 – northern side of footway looking towards kerb.....	12
	Location: Chainage 28.0 – northern side of footway looking south towards crossing	13

Location: Chainage 33.0 – northern footway looking west along kerb	13
Location: Chainage 39.0 – northern footway looking towards kerb.....	14
Location: Chainage 42.0 – northern footway looking south towards gully at island	14
Location: Chainage 55.0 – access to Keresforth Close looking towards southern side of crossing	15
Location: Chainage 63.0 – northern footway looking east along footway.....	15
Location: Chainage 72.0 – northern footway looking across bus stop cage	16
Location: Chainage 82.0 – northern footway looking at bus stop	16
Location: Chainage 90.0 – northern island looking at gully	17
Location: Chainage 6.0 – southern footway looking east along back of footway	17
Location: Chainage 9.0 – southern footway looking east along kerb line.....	18
Location: Chainage 18.0 – southern footway looking towards gully.....	18
Location: Chainage 28.0 – southern footway looking towards back of footway	19
Location: Chainage 40.0 – southern footway looking towards kerb	19
Location: Chainage 44.0 – southern footway looking east towards crossing.....	20
Location: Chainage 59.0 – southern footway looking east across footway	20
Location: Chainage 66.0 – southern footway looking towards gully	21

Appendices

Appendix 1 Highway Condition Survey – Item Location Plans

1. Introduction

Scope of Highway Condition Survey

- 1.1 This Highway Condition Survey (HCS) has been prepared by Milestone Transport Planning (MTP) Limited on behalf of Bowmer and Kirkland Limited (*the applicant*) to address the existing condition of the private road known as Keresforth Close, leading from Broadway (A6133) to the site, which is proposed to operate with a 6FE Secondary School, accommodating a total of 900 students aged 11-16 years along with 90 staff members.
- 1.2 The site is currently occupied by the Keresforth Centre which provides a base for a range of services provided by South West Yorkshire Partnership NHS Foundation Trust in Barnsley district and encompasses an area of 335,834 ft² (31,200 m²) located to the west of Barnsley.

Figure 1 Site Location Plan

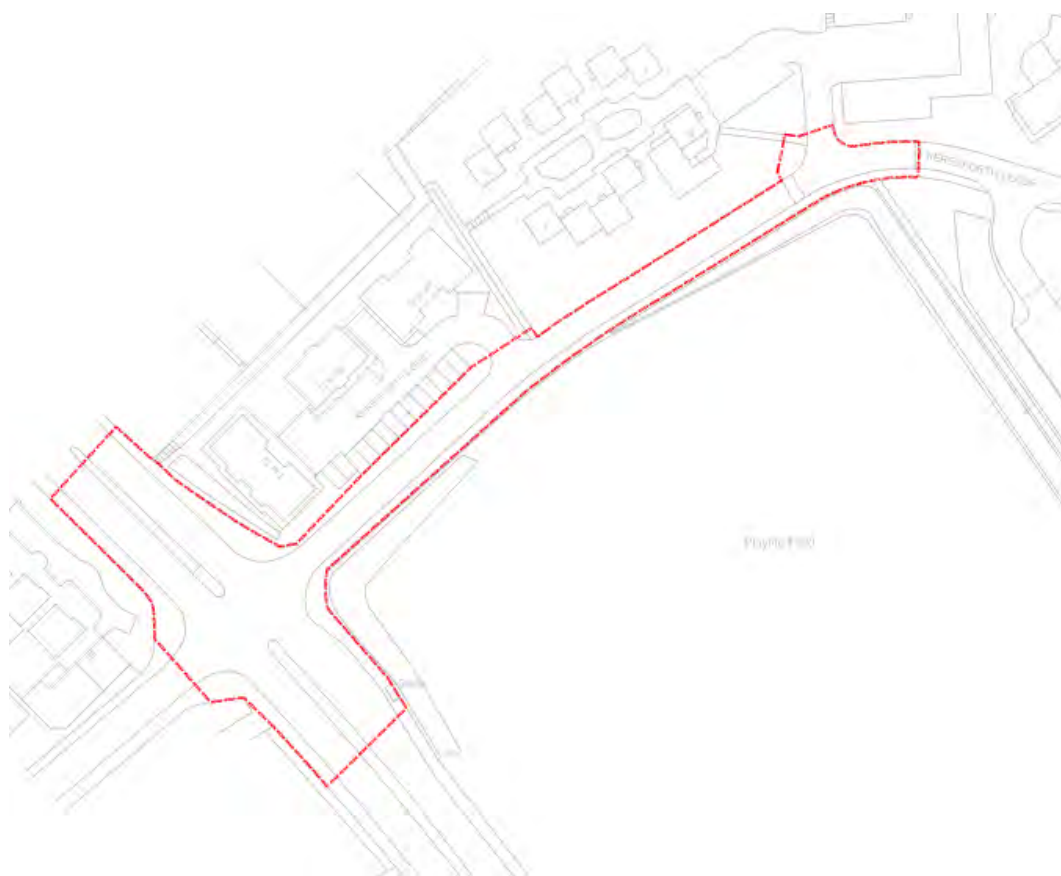


- 1.3 Consequently, the purpose of the HCS is to identify the general conditions and any defects on the aforementioned stretch of road/footway, such that any damage/degradation caused by construction traffic can be identified and remediated following the completion of construction works. The survey will be used following completion of the works to confirm where any defects were pre-existing and where they were caused by site construction activity.
- 1.4 The HCS was undertaken on 1st November 2021. It consisted of a visual inspection (two-dimensional) of the surface conditions and specifically recorded any defects relating to the road/highway, consisting of the carriageway, footway and associated items, e.g. lighting columns, signs and kerbs. Road gullies were

visually inspected through the gratings where possible. No utility covers were inspected beyond what could be seen.

- 1.5 Item locations given with photographs are logged and shown as accurately as possible. However, it is stressed that the chainages given are approximate only and are intended as guidance only.
- 1.6 As shown in Figure 2, the study area that encompassed a length (190 metres) of Keresforth Close from the junction with Broadway (A6133) into the site. As well as a length (90 metres) of Broadway (A6133) extending 50 metres west and 40 metres east from the junction with Keresforth Close. A plan showing the extent of the study area is presented in Figure 2.

Figure 2 HCS Study Area



Report Structure

- 1.7 The remainder of this report is structured as follows: -
- Section 2 documents the condition of the carriageway, footway and verge areas within the public highway comprising the study area of Keresforth Close and Broadway (A6133). It describes the general condition of highway related items, highlighting any particular faults or failing items related to the highway.

2. Highway Condition Survey

- 2.1 This section of the report presents the results of the HCS. Chainages given below are approximate locations of items highlighted within this report. This report should be read in conjunction with Drawing No. 21155/SK01 (attached at Appendix 1).

General Condition

- 2.2 The overall general condition of the carriageway surface of Keresforth Close is average to very poor with significant areas of carriageway surfacing broken away. There were also areas of large vegetation growth at the end of carriageway and back of footway.

Items Identified During Survey

Location: Chainage 0.0 – eastern footway looking west across carriageway

- 2.3 Issue: Large area of carriageway surfacing broken away at centre line away from edging strip and change of surface at junction with Broadway (A6133).



Location: Chainage 6.0 – eastern footway looking west across carriageway

- 2.4 Issue: Service trench along extents of carriageway and some areas broken away and water ponding over trench.



Location: Chainage 35.0 – eastern footway looking across to western verge

- 2.5 Issue: Sign post, without visible sign located in verge. Post has signs of rust where paint has worn off.



Location: Chainage 60.0 – western side of carriageway at access to Keresforth Court

- 2.6 Issue: Kerbing along access to Keresforth Court chipped away in places with sections of carriageway surfacing also broken away at kerb.



Location: Chainage 64.0 – western side of carriageway looking across access to Keresforth Court

- 2.7 Issue: Kerbing along access to Keresforth Court chipped away in places with sections of carriageway surfacing also broken away at kerb.



Location: Chainage 66.0 – eastern edge of carriageway looking towards kerb

- 2.8 Issue: Kerbing appears to be driven over with sections of kerbing broken and chipped away. Large amount of mud also poses potential risk with reduced surface grip, areas of carriageway surfacing also cracked or broken away around area.



Location: Chainage 70.0 – eastern footway looking west across carriageway

- 2.9 Issue: Two large service trenches visible with some surface cracking and broken away originating from near trenches. Large centre line crack, likely originating before trenches were made also visible.



Location: Chainage 80.0 – eastern side of carriageway looking east towards footway

- 2.10 Issue: Large section of carriageway surfacing broken away with road marking painted onto carriageway without surface being relaid.



Location: Chainage 85.0 – eastern footway looking towards gully

- 2.11 Issue: Gully appeared in reasonable condition and was not blocked, some debris was visible around the gully. Overall condition of gullies within survey area was mixed with several blocked while others were functional.



Location: Chainage 96.0 – middle of carriageway facing north along Keresforth Close

- 2.12 Issue: Large areas of carriageway surfacing broken away in large patches with visible surface cracking forming along centreline along nearly entire extents of Keresforth Close.



Location: Chainage 109.0 – eastern footway looking towards gully

- 2.13 Issue: Gully appears blocked with water level almost at top of gully grate, some debris also visible with road markings faded.



Location: Chainage 136.0 – western edge of carriageway looking at gullies

- 2.14 Issue: Area of carriageway resurfacing with recently constructed pedestrian crossing and speed hump, areas of carriageway broken away near resurfacing and road markings faded.



Location: Chainage 146.0 – western edge of carriageway looking across access to residential area

- 2.15 Issue: Large trench along carriageway crossing access to residential area from Keresforth Close and towards Health Centre. Multiple surfacing cracks originating from or near trench and some ponding at joints.



Location: Chainage 150.0 – middle of carriageway looking north along centreline

2.16 Issue: Large areas of carriageway surfacing broken away with some ponding occurring in places.



Location: Chainage 159.0 – eastern footway looking along back of kerb

2.17 Issue: Surface cracking visible behind kerbing along footway with some cracking originating from service cover located within footway.



Location: Chainage 165.0 – eastern side of carriageway looking towards gully

- 2.18 Issue: Gully covered by debris and unable to function, other nearby gullies also blocked by debris and faded road markings.



Location: Chainage 168.0 – eastern side of footway facing west across carriageway

- 2.19 Issue: Large trench, originating from residential area crossing in front of speed hump and into footway with some surface cracking forming at joint between trench and carriageway surfacing. Road markings fading with some surfacing broken away from speed hump.



3. Highway Condition Survey – Broadway (B6133)

- 3.1 This section of the report presents the results of the HCS. Chainages given below are approximate locations of items highlighted within this report. This report should be read in conjunction with Drawing No. 21155/SK02 (attached at Appendix 1).

General Condition

- 3.2 The overall general condition of the carriageway surface of Broadway (B6133) is excellent to good with large sections of road relatively recently resurfaced. However, some damaged kerbs, footway and vegetation growth are visible throughout area of survey.

Items Identified During Survey

Location: Chainage 0.0 – northern side of footway looking towards kerb

- 3.3 Issue: A section of kerbing appears to have partially sunk with a small area of vegetation growing between two kerbs.



Location: Chainage 28.0 – northern side of footway looking south towards crossing

- 3.4 Issue: Pedestrian controlled crossing appears in good condition overall, some edging kerbs appear chipped and tactile pavings uneven in placed. Road surface appears in excellent condition.



Location: Chainage 33.0 – northern footway looking west along kerb

- 3.5 Issue: Dropped kerb after pedestrian crossing. Overall condition appears good.



Location: Chainage 39.0 – northern footway looking towards kerb

- 3.6 Issue: Kerbing near pedestrian crossing appears chipped in places.



Location: Chainage 42.0 – northern footway looking south towards gully at island

- 3.7 Issue: Gully appears to have some debris within, but is not visibly blocked. However, some debris and vegetation growth has built up between gully and kerbing.



Location: Chainage 55.0 – access to Keresforth Close looking towards southern side of crossing

3.8 Issue: Area of ponding at dropped kerb crossing on southern side of access to Keresforth Close.



Location: Chainage 63.0 – northern footway looking east along footway

3.9 Issue: Visible trench along middle of footway leading towards bus stop with sections of footway surfacing breaking away from behind kerbing.



Location: Chainage 72.0 – northern footway looking across bus stop cage

- 3.10 Issue: Carriageway at bus stop appears in good condition with some areas of footway behind kerbing appearing to have broken away.



Location: Chainage 82.0 – northern footway looking at bus stop

- 3.11 Issue: Bus stop shelter appears in reasonable condition. However, areas of cracked and broken footway surfacing originating around bus stop shelter is visible.



Location: Chainage 90.0 – northern island looking at gully

- 3.12 Issue: Gully appeared partially blocked by debris with some vegetation growing behind kerbing near gully.



Location: Chainage 6.0 – southern footway looking east along back of footway

- 3.13 Issue: Large section of surface cracking originating at back of footway in front of hedge and behind utilities box.



Location: Chainage 9.0 – southern footway looking east along kerb line

- 3.14 Issue: Multiple kerbs appear chipped or otherwise damaged with area of road markings also appearing to have partially faded.



Location: Chainage 18.0 – southern footway looking towards gully

- 3.15 Issue: Gully does not appear blocked. However, a small amount of debris does appear to be blocking some water from entering back of gully.



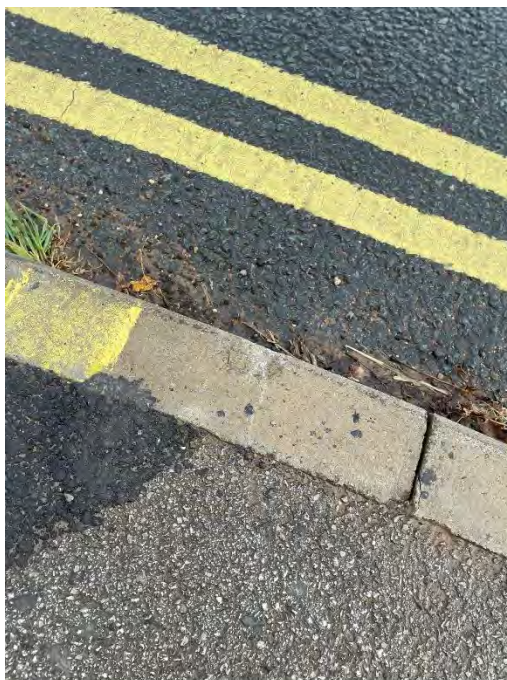
Location: Chainage 28.0 – southern footway looking towards back of footway

- 3.16 Issue: Large surface crack along back of footway connecting with earlier crack and continuing towards lighting column.



Location: Chainage 40.0 – southern footway looking towards kerb

- 3.17 Issue: Section of kerbing at access to Assembly Way appears chipped in places near trench location.



Location: Chainage 44.0 – southern footway looking east towards crossing

- 3.18 Issue: Crossing appears in overall good condition. However, coloured surfacing appears to have begun faded in places.



Location: Chainage 59.0 – southern footway looking east across footway

- 3.19 Issue: Large area of resurfaced footway around service covers with some areas of vegetation growing between kerb and footway.

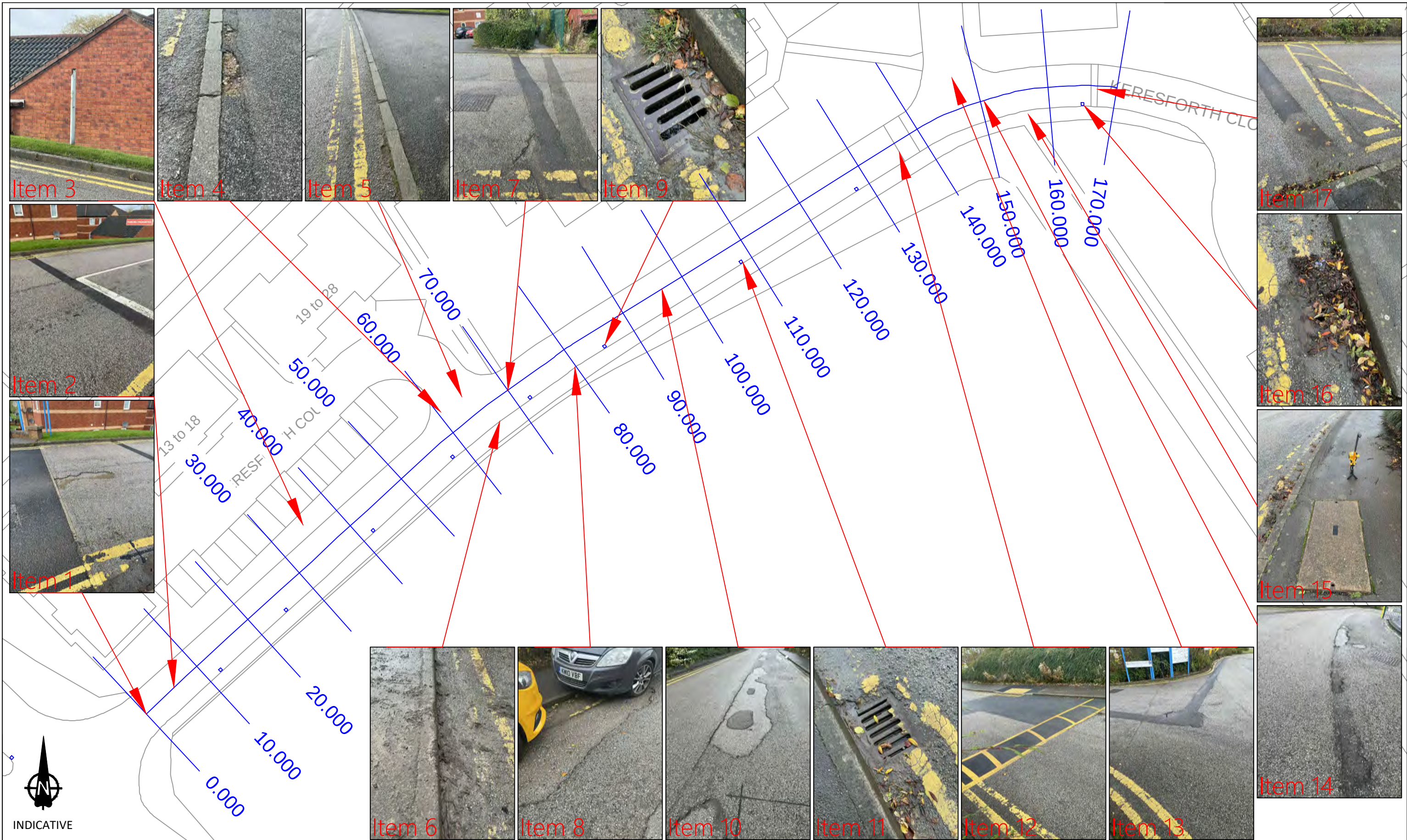


Location: Chainage 66.0 – southern footway looking towards gully

3.20 Issue: Some debris visible within gully, but does not otherwise appears to be blocked.



Appendix 1



Notes 1. Do not scale from this drawing. All dimensions shown are in metres unless noted otherwise. 2. This drawing has been based upon Ordnance Survey information and Milestone Transport Planning cannot be held responsible for any discrepancies which may arise because of it. Ordnance Survey Licence number: 100057360		Drawing Revisions <table><tr><td>Rev:</td><td>Drn:</td><td>Date:</td><td>Details</td><td>Chk:</td></tr><tr><td>-</td><td>DC</td><td>05/11/2021</td><td>First issue</td><td>PK</td></tr></table>			Rev:	Drn:	Date:	Details	Chk:	-	DC	05/11/2021	First issue	PK	Client Bowmer + Kirkland		Title Highway Condition Survey - Keresforth Close		MILESTONE TRANSPORT PLANNING Abbey House, 282 Farnborough Rd, Farnborough, Hants GU14 7NA Tel: 01483 397888 Gateshead IBC, Mulgrave Terrace, Gateshead, NE8 1AN Tel: 0191 338 7220	
		Rev:	Drn:	Date:	Details	Chk:														
-	DC	05/11/2021	First issue	PK																
Project Trinity Academy, Barnsley																				
							Drawing Number: 21155/SK01		Scale: 1:500 @ A3 Revision: -											



INDICATIVE



Item 18



Item 19



Item 20



Item 21



Item 22



Item 23



Item 24



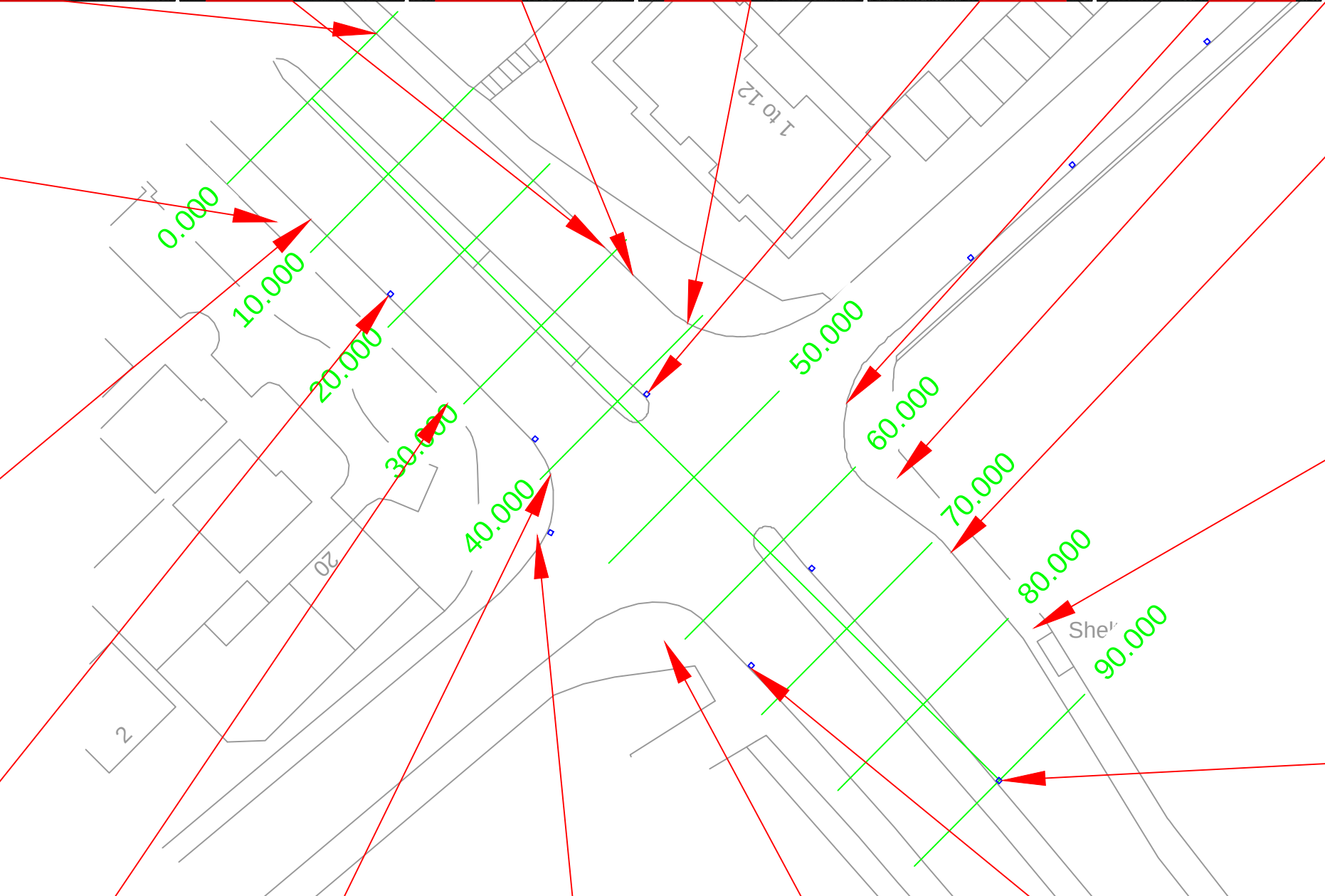
Item 28



Item 29



Item 30



Item 25



Item 26



Item 27



Item 31



Item 32



Item 33



Item 34



Item 35

Notes

1. Do not scale from this drawing. All dimensions shown are in metres unless noted otherwise.
2. This drawing has been based upon Ordnance Survey information and Milestone Transport Planning cannot be held responsible for any discrepancies which may arise because of it.

Ordnance Survey Licence number: 100057360

Drawing Revisions

Rev:	Drn:	Date:	Details	Chk:
-	DC	05/11/2021	First issue	PK

Client

Bowmer + Kirkland

Project

Trinity Academy, Barnsley

Title

Highway Condition Survey -
Broadway (A6133)

MILESTONE
TRANSPORT PLANNING

Abbey House, 282 Farnborough Rd, Farnborough, Hants GU14 7NA
Tel: 01483 397888
Gateshead IBC, Mulgrave Terrace, Gateshead, NE8 1AN
Tel: 0191 338 7220
web: www.milestonetp.co.uk

Drawing Number:

21155/SK02

Scale:

1:500 @ A3

Revision:

-