READING BOROUGH COUNCIL

REPORT BY DIRECTOR OF ENVIRONMENT & NEIGHBOURHOOD SERVICES

TO:	POLICY COMMITTEE		
DATE:	25 SEPTEMBER 2017	AGENDA	A ITEM: 12
TITLE:	NATIONAL CYCLE NET	Vork 422 - Phas	Е 2
LEAD COUNCILLOR:	TONY PAGE	PORTFOLIO:	STRATEGIC ENVIRONMENT, PLANNING & TRANSPORT
SERVICE:	TRANSPORTATION & STREETCARE	WARDS:	MINSTER & ABBEY
LEAD OFFICER:	EMMA BAKER	TEL:	0118 937 4881
JOB TITLE:	SENIOR TRANSPORT PLANNER	E-MAIL:	emma.baker@reading.gov.uk

- 1. PURPOSE OF REPORT AND EXECUTIVE SUMMARY
- 1.1 This report outlines progress in delivering Phase 1 of the new National Cycle Network route along the Bath Road between Greenwood Road and Berkeley Avenue. It also sets out improvements developed as part of the Phase 2 programme, from Berkeley Avenue to London Road, and our recommendation to seek scheme and spend approval from Policy Committee.
- 1.2 Appendix A Detailed designs of the proposals in Phase 2.

2. RECOMMENDED ACTION

- 2.1 That the Committee note the progress in delivering the National Cycle Network (NCN) 422 scheme.
- 2.2 That the Committee gives scheme and spend approval for Phase 2 of the NCN 422 scheme.

3. POLICY CONTEXT

- 3.1 The Local Transport Plan (LTP) is a statutory document setting out the Council's transport strategy and policy. Reading Borough Council's third Local Transport Plan (LTP3) for the period 2011-26 was adopted by the Council on 29 March 2011.
- 3.2 The Cycle Strategy 2014: Bridging Gaps, Overcoming Barriers & Promoting Safer Cycling, was adopted by the Council on 19 March 2014 as a sub-strategy to the Local Transport Plan. The strategy includes detailed policies regarding the design principles for delivering infrastructure and route improvements for cyclists on the public highway, as well as policies to encourage and promote cycling.
- 3.3 The NCN 422 scheme is included within the Council's Corporate Plan 2016-19 and Thames Valley Berkshire LEP's Strategic Economic Plan 2016-21.

4. THE PROPOSAL

- 4.1 National Cycle Network (NCN) Route 422 was granted full funding approval from the Berkshire Local Transport Body in November 2015 to the value of £4.2 million. The cross-Berkshire cycle route between Newbury and Windsor will provide an enhanced £1.2 million east-west cycle facility through Reading, linking to existing cycle routes to the north and south of the borough and directly serving schools and other local facilities/services.
- 4.2 Phase 1 works commenced on-site along Bath Road in January following approval from Policy Committee. The initial phase sought to extend the existing off-carriageway cycle facilities to the west of the borough boundary to Berkeley Avenue, better connecting local people to key destinations, including schools, local shops and leisure facilities. The works consisted of widened and resurfaced footways, decluttering, the installation of signing and the construction of two raised tables. The remaining Phase 1 programme is expected to be delivered over the autumn, including traffic signal upgrades at Liebenrood Road and Southcote Road and kerb realignment works at New Lane Hill.
- 4.3 The Phase 2 delivery programme consists of a mixture of on and off-carriageway cycle facilities linking Bath Road to east Reading via the town centre. Existing cycle lanes on Berkeley Avenue will be widened and complemented by an off-carriageway shared-use path catering for less confident and inexperienced cyclists, including those travelling to nearby secondary schools. The route will continue along Berkeley Avenue to Temple Place where it will join local cycle route R1 and NCN 4 at Lower Brook Street before travelling along Fobury Street and Bridge Street. At this point, cyclists will have the option of continuing along the existing NCN4 route through the Oracle or riding along Mill Lane to London Street. From here the route travels along the River Kennet to Watlington Street and London Road where the Phase 2 route ends.
- 4.4 The scheme will be delivered by our in-house Highways team who will be supported by existing contractors where specialist services are required. The delivery programme will include:
 - Widened cycle lanes on Berkeley Avenue between Bath Road and Coley Avenue that will be converted to mandatory cycle lanes.
 - Entry treatments at junctions including raised tables, imprinting or tighter geometry.
 - Improved crossing facilities at Yield Hall Place and London Street, including dedicated cycle facilities.
 - Localised footway resurfacing and widening, supported by the installation of shared-use tiles
 - Decluttering and the relocation of street furniture to maximise the effective width of the footway.
 - Directional and regulatory signs, including official NCN branding.
- 4.5 The Phase 2 detailed designs are shown in Appendix 1.
- 4.6 The detailed designs for the Phase 3 route between London Road and the borough boundary will be developed over the autumn and take into consideration wider transport improvements that are currently being investigated, including red routes and the East Reading Study. These designs will be shared with Ward Councillors and user groups before scheme and financial approval is sought at a future Committee meeting.

5. CONTRIBUTION TO STRATEGIC AIMS

- 5.1 The delivery of the new National Cycle Network route NCN 422 outlined in this report helps to deliver the following Corporate Plan Service Priorities:
 - Keeping the town clean, safe, green and active;
 - Providing infrastructure to support the economy
- 5.2 The new National Cycle Network route also supports the following strategic aims by providing infrastructure that encourages people living, working and visiting Reading to cycle for local journeys:
 - To Develop Reading as a Green City with a sustainable environment and economy at the heart of the Thames Valley; and
 - To promote equality, social inclusion and a safe and healthy environment for all.

6. COMMUNITY ENGAGEMENT AND INFORMATION

- 6.1 Regular updates on the development of the NCN scheme have, and will continue, to be reported at Traffic Management Sub-Committee, the Cycle Forum and Older People's Working Group.
- 6.2 The Phase 2 detailed designs have been circulated to Ward Councillors, the Cycle Forum and Older People's Working Group for comment and are currently in the process of being finalised.
- 6.3 Statutory consultation will be carried out in accordance with the Local Authorities Traffic Orders (Procedure) (England and Wales) Regulations 1996 and any objections reported to Traffic Management Sub-Committee.

7. EQUALITY IMPACT ASSESSMENT

- 7.1 In addition to the Human Rights Act 1998 the Council is required to comply with the Equalities Act 2010. Section 149 of the Equalities Act 2010 requires the Council to have due regard to the need to:-
 - eliminate discrimination, harassment, victimisation and any other conduct that is prohibited by or under this Act;
 - advance equality of opportunity between persons who share a relevant protected characteristic and persons who do not share it;
 - foster good relations between persons who share a relevant protected characteristic and persons who do not share it.
- 7.2 An Equality Impact Assessment scoping report has been carried out for the Phase 2 detailed designs, which will be appended to the Policy Committee report seeking scheme and financial approval.

8. LEGAL IMPLICATIONS

8.1 Traffic regulation orders will be made under the Road Traffic Regulation Act 1984 and any objections reported to Traffic Management Sub-Committee.

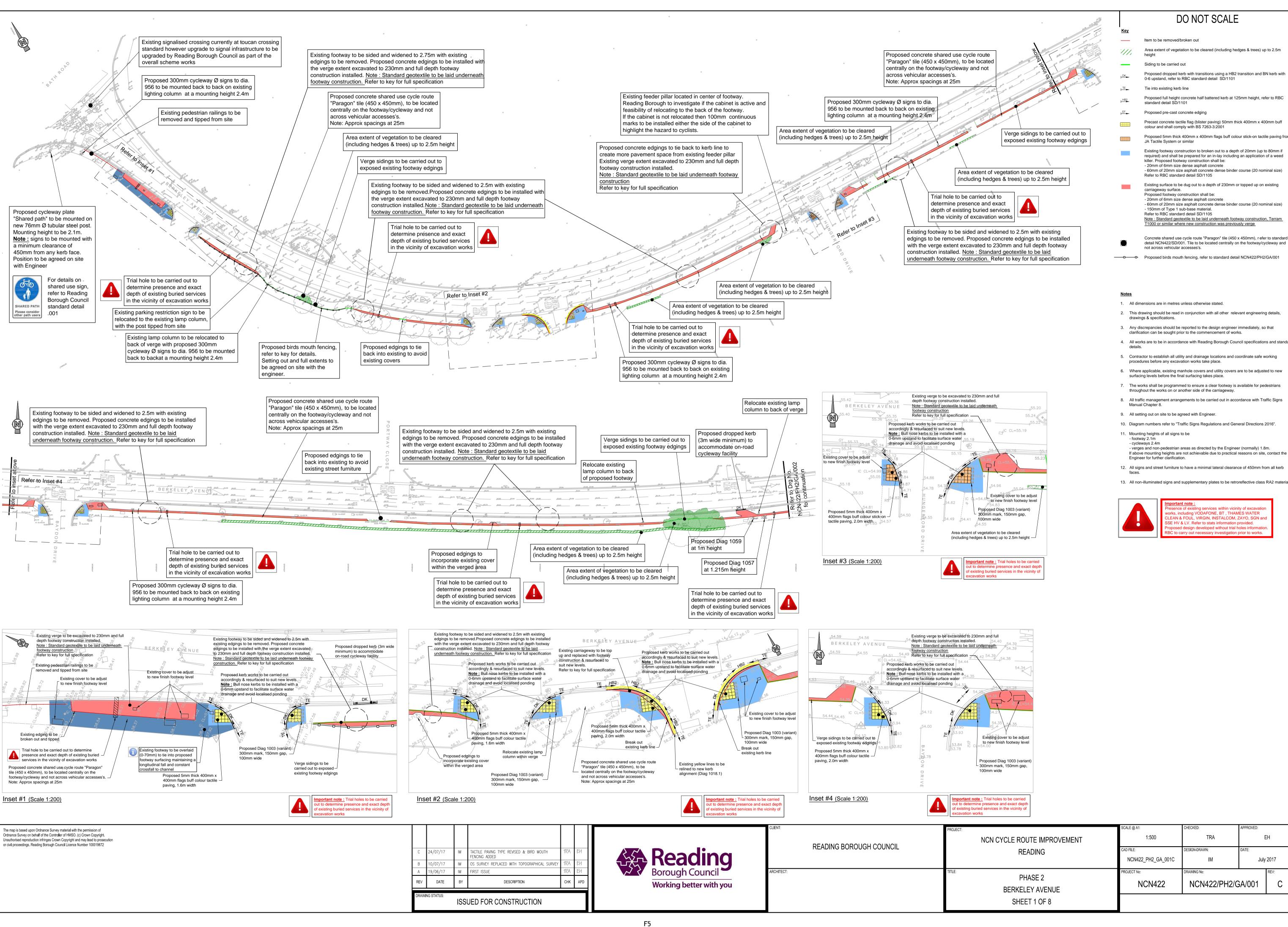
9. FINANCIAL IMPLICATIONS

9.1 The Phase 2 work programme will be delivered in-house by our Highways team, who will be supported by existing contractors where specialist services are required.

9.2 Costs associated with the National Cycle Network Phase 2 delivery programme will be met by LEP Growth Deal funding up to the value of £500,000. There is no commitment on Reading Borough Council finances and if this sum is not used for this purpose then it would have to be returned to the LEP.

10. BACKGROUND PAPERS

- 10.1 Traffic Management Sub-Committee Report, Major Transport & Highways Projects Update reports from November 2015 onwards.
- 10.2 Policy Committee Report, National Cycle Network Route NCN422, January 2017.
- 10.3 NCN 422 Phase 2 Detailed Designs: <u>http://www.reading.gov.uk/transport-schemes-and-projects</u>.



Area extent of vegetation to be cleared (including hedges & trees) up to 2.5m

Proposed full height concrete half battered kerb at 125mm height, refer to RBC

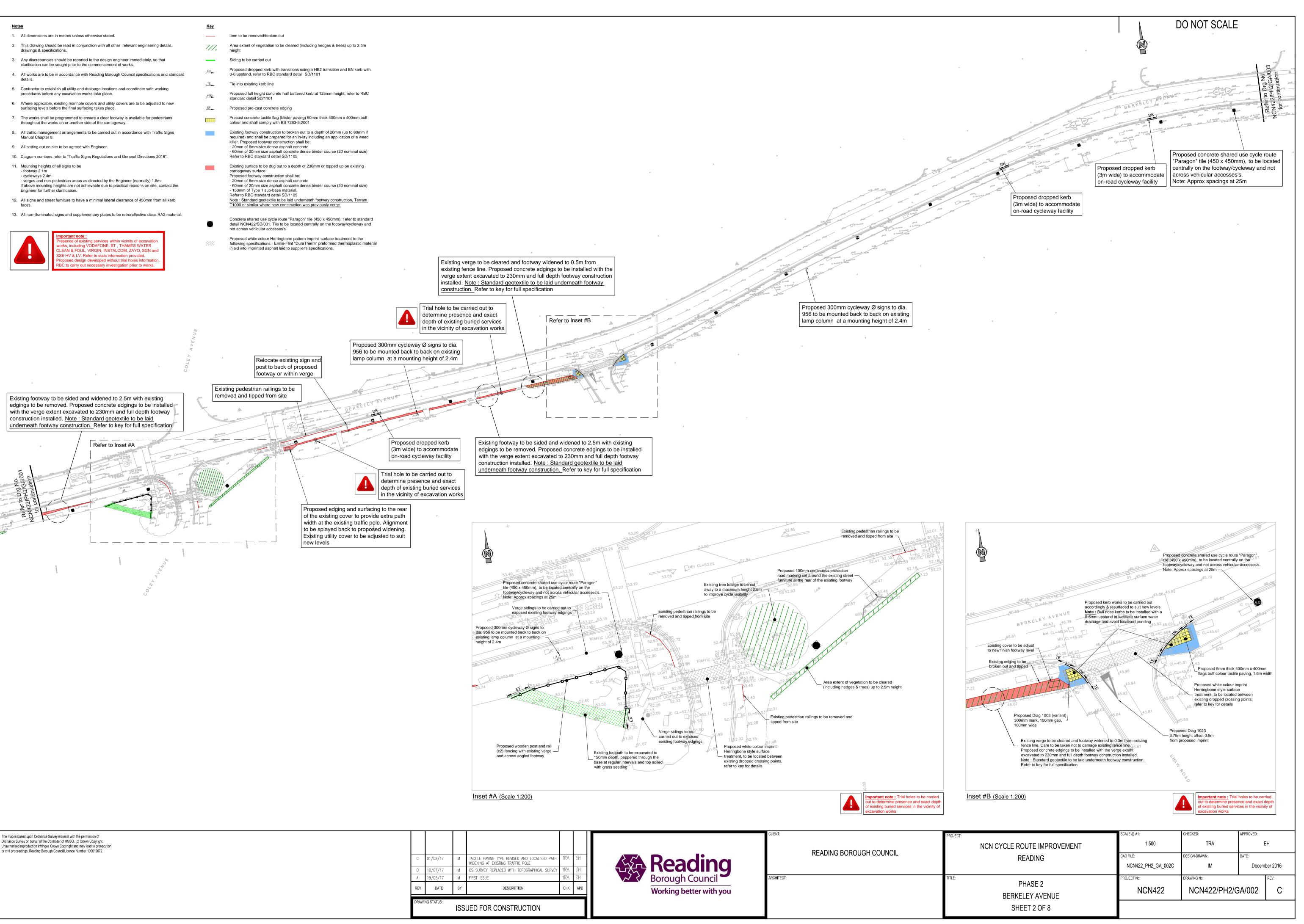
- Precast concrete tactile flag (blister paving) 50mm thick 400mm x 400mm buff
- Proposed 5mm thick 400mm x 400mm flags buff colour stick-on tactile paving from
- Existing footway construction to broken out to a depth of 20mm (up to 80mm if
- 60mm of 20mm size asphalt concrete dense binder course (20 nominal size)

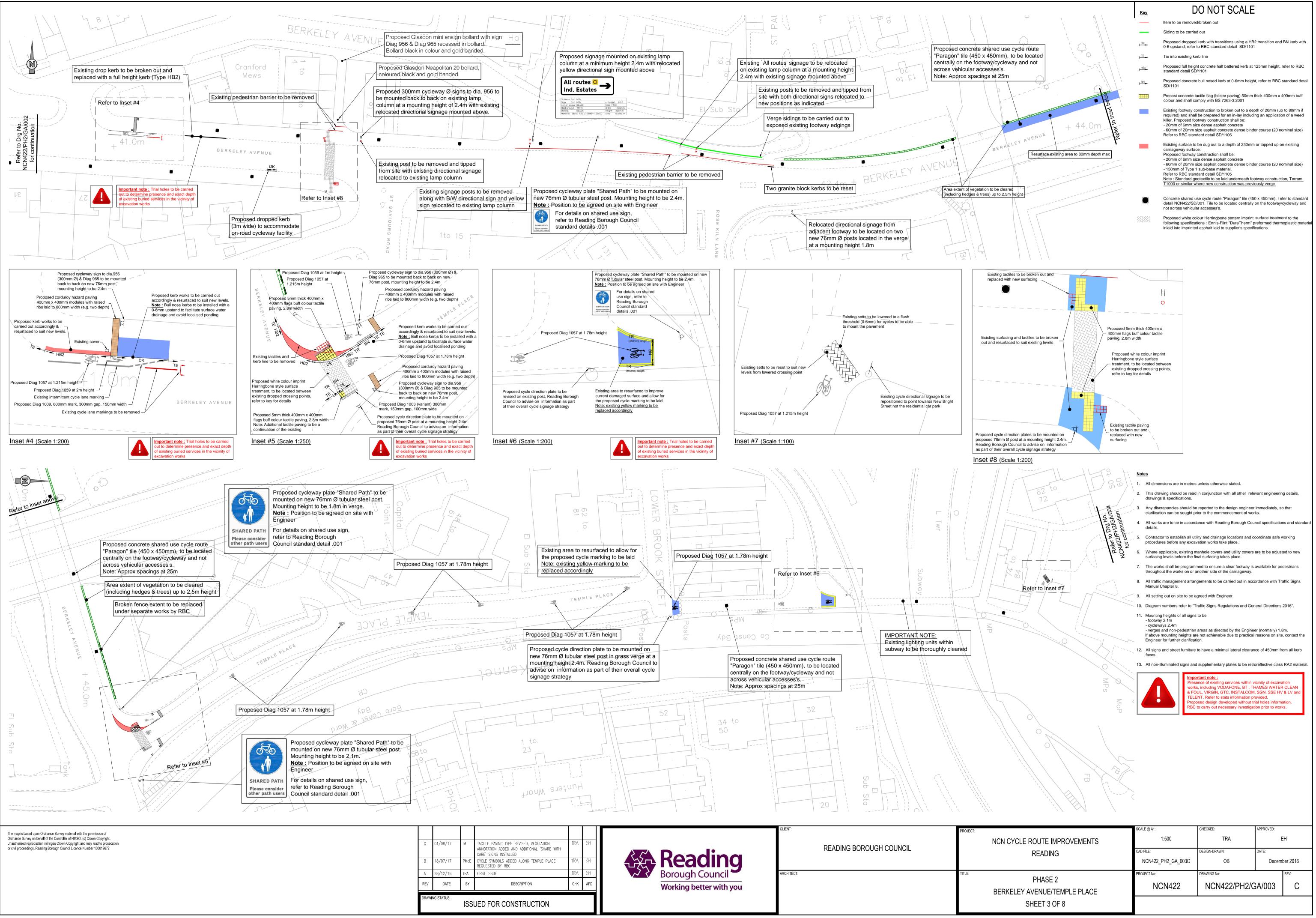
- 60mm of 20mm size asphalt concrete dense binder course (20 nominal size)
- Note : Standard geotextile to be laid underneath footway construction, Terram
- Concrete shared use cycle route "Paragon" tile (450 x 450mm), r efer to standard detail NCN422/SD/001. Tile to be located centrally on the footway/cycleway and

- 4. All works are to be in accordance with Reading Borough Council specifications and standard
- 6. Where applicable, existing manhole covers and utility covers are to be adjusted to new
- 7. The works shall be programmed to ensure a clear footway is available for pedestrians

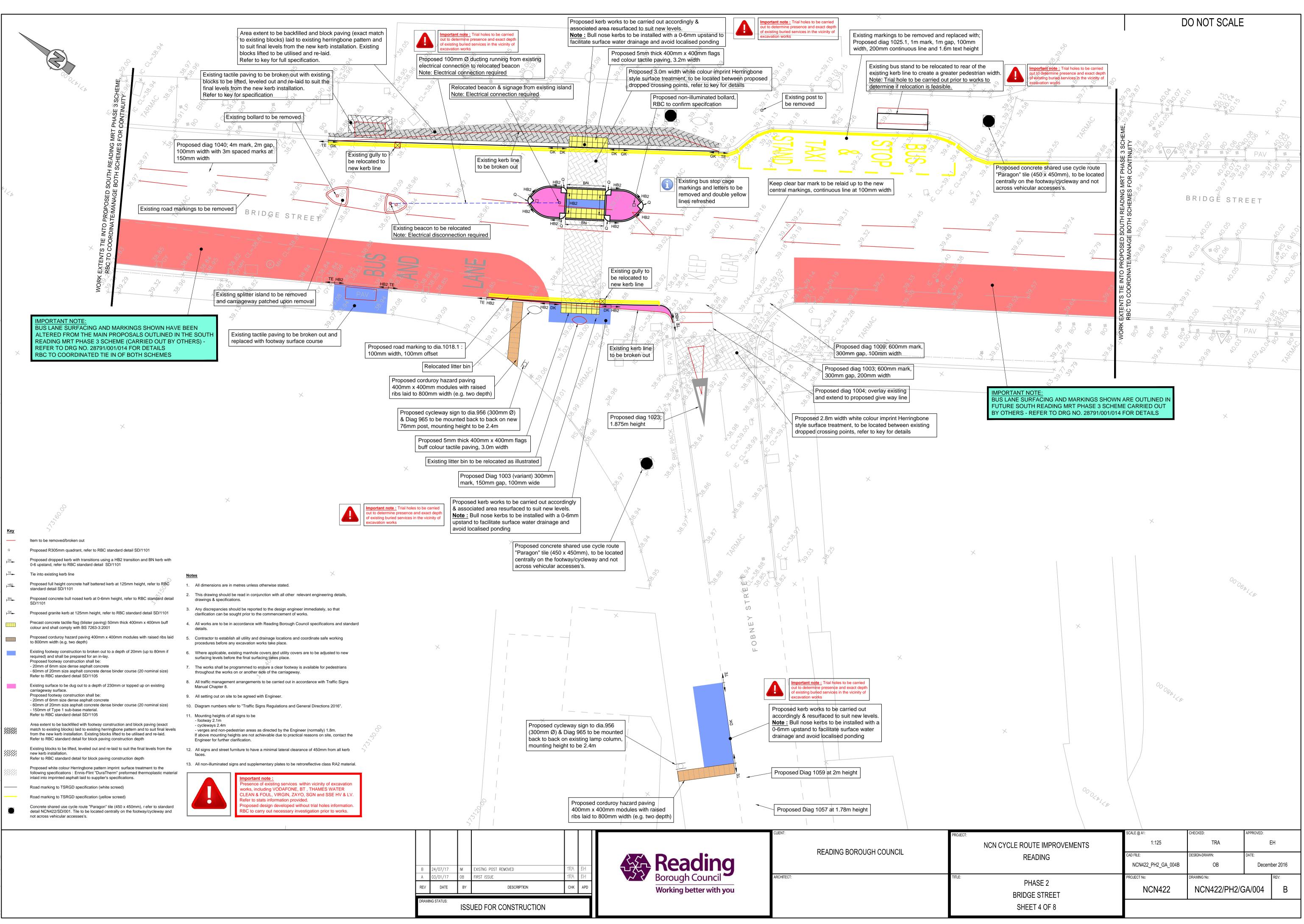
- If above mounting heights are not achievable due to practical reasons on site, contact the
- 12. All signs and street furniture to have a minimal lateral clearance of 450mm from all kerb
- 13. All non-illuminated signs and supplementary plates to be retroreflective class RA2 material.

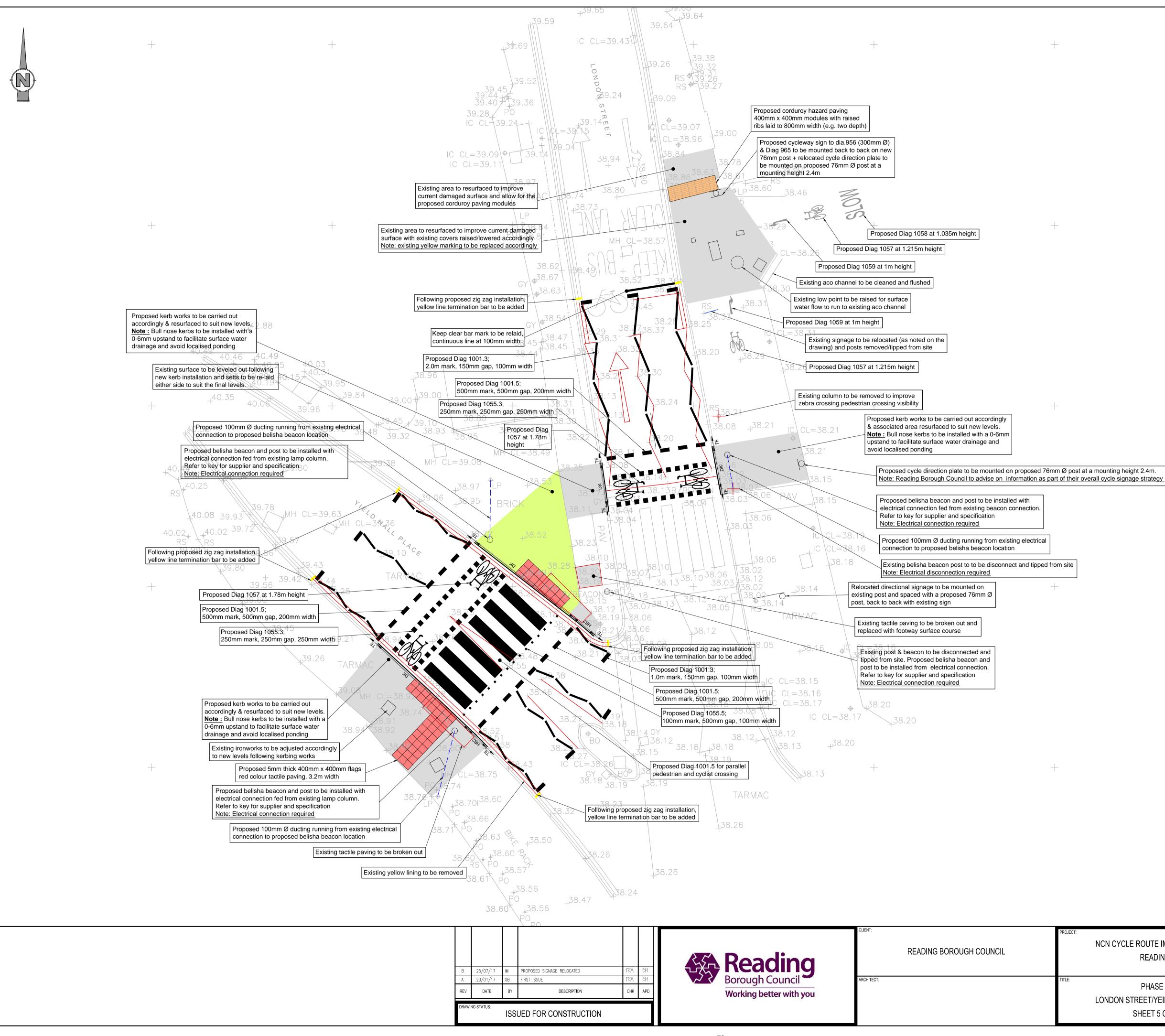
	SCALE @ A1:	CHECKED:	APPROVED:	
N CYCLE ROUTE IMPROVEMENT	1:500	TRA	E	Ή
READING	CAD FILE: NCN422_PH2_GA_001C	design-drawn: IM	date: July	2017
PHASE 2 BERKELEY AVENUE	PROJECT NO: NCN422	DRAWING NO: NCN422/PH2/C	GA/001	REV: C
SHEET 1 OF 8				





NG TYPE REVISED, VEGETATION ADDED AND ADDITIONAL 'SHARE WITH INSTALLED DLS ADDED ALONG TEMPLE PLACE BY RBC	TRA TRA TRA		Reading Borough Council	PROJECT: TITLE:	NCN (
DESCRIPTION	СНК	APD	Working better with you		BERK
CONSTRUCTION					





ON CYCLE ROUTE IMPROVEMENTS	SCALE @ A1: 1:100	CHECKED: TRA	APPROVED: E	ΞH
READING	CAD FILE: NCN422_PH2_GA_005B	DESIGN-DRAWN: OB	DATE: December 2016	
PHASE 2 NDON STREET/YEILD HALL PLACE	PROJECT NO: NCN422	DRAWING NO: NCN422/PH2/G	GA/005	REV: B
SHEET 5 OF 8				

173250.00

173260.00_

173270.00

surfacing levels before the final surfacing takes place.

Key

DK

TE

HB2

173290.00

7. The works shall be programmed to ensure a clear footway is available for pedestrians throughout the works on or another side of the carriageway. 8. All traffic management arrangements to be carried out in accordance with Traffic Signs

5. Contractor to establish all utility and drainage locations and coordinate safe working

6. Where applicable, existing manhole covers and utility covers are to be adjusted to new

4. All works are to be in accordance with Reading Borough Council specifications and standard

- 9. All setting out on site to be agreed with Engineer. 10. Diagram numbers refer to "Traffic Signs Regulations and General Directions 2016".

11. Mounting heights of all signs to be footway 2.1m - cycleways 2.4m - verges and non-pedestrian areas as directed by the Engineer (normally) 1.8m.

- If above mounting heights are not achievable due to practical reasons on site, contact the
- 12. All signs and street furniture to have a minimal lateral clearance of 450mm from all kerb

esence of existing services within vicinity of excavation vorks, including BT, THAMES WATER CLEAN & FOUL,

Proposed design developed without trial holes information

RBC to carry out necessary investigation prior to works.

SGN and SSE HV & LV. Refer to stats information

faces.

Engineer for further clarification.

rtant note

13. All non-illuminated signs and supplementary plates to be retroreflective class RA2 material.

Manual Chapter 8.

2. This drawing should be read in conjunction with all other relevant engineering details, drawings & specifications. Any discrepancies should be reported to the design engineer immediately, so that clarification can be sought prior to the commencement of works.

procedures before any excavation works take place.

1. All dimensions are in metres unless otherwise stated.

Signature CDM Zebrasafe - ZEB4-CDM 4 Band - assembly post 3.7m OAL (600pd) Supplier.Signature Address. Hainge Road, Tividale, Oldbury, West Midlands. B69 2NY Tel. 0121 5570234 Notes

Address. Unit 9, Mill House Form, Billingford Road, North Elmham,

Road marking to TSRGD specification (white screed) 173280.00₋ O Proposed Belisha Beacon Beacor

Proposed 100mm Ø duct for electrical connection

- 60mm of 20mm size asphalt concrete dense binder course (20 nominal size) Refer to RBC standard detail SD/1105 Existing surface to be leveled out following new kerb installation and setts to be re-laid either side to suit the final levels.

Proposed footway construction shall be: - 20mm of 6mm size dense asphalt concrete

Item to be removed, broken out and/or tipped

0-6 upstand, refer to RBC standard detail SD/1101

Item to be relocated as specified

Tie into existing kerb line

standard detail SD/1101

LED Zebrite beacon

Supplier: Zebrite Ltd

Norfolk. NR20 5HN Tel. 0845 003 7361

Belisha beacon post:

required) and shall be prepared for an in-lay.

to 800mm width (e.g. two depth)

DO NOT SCALE

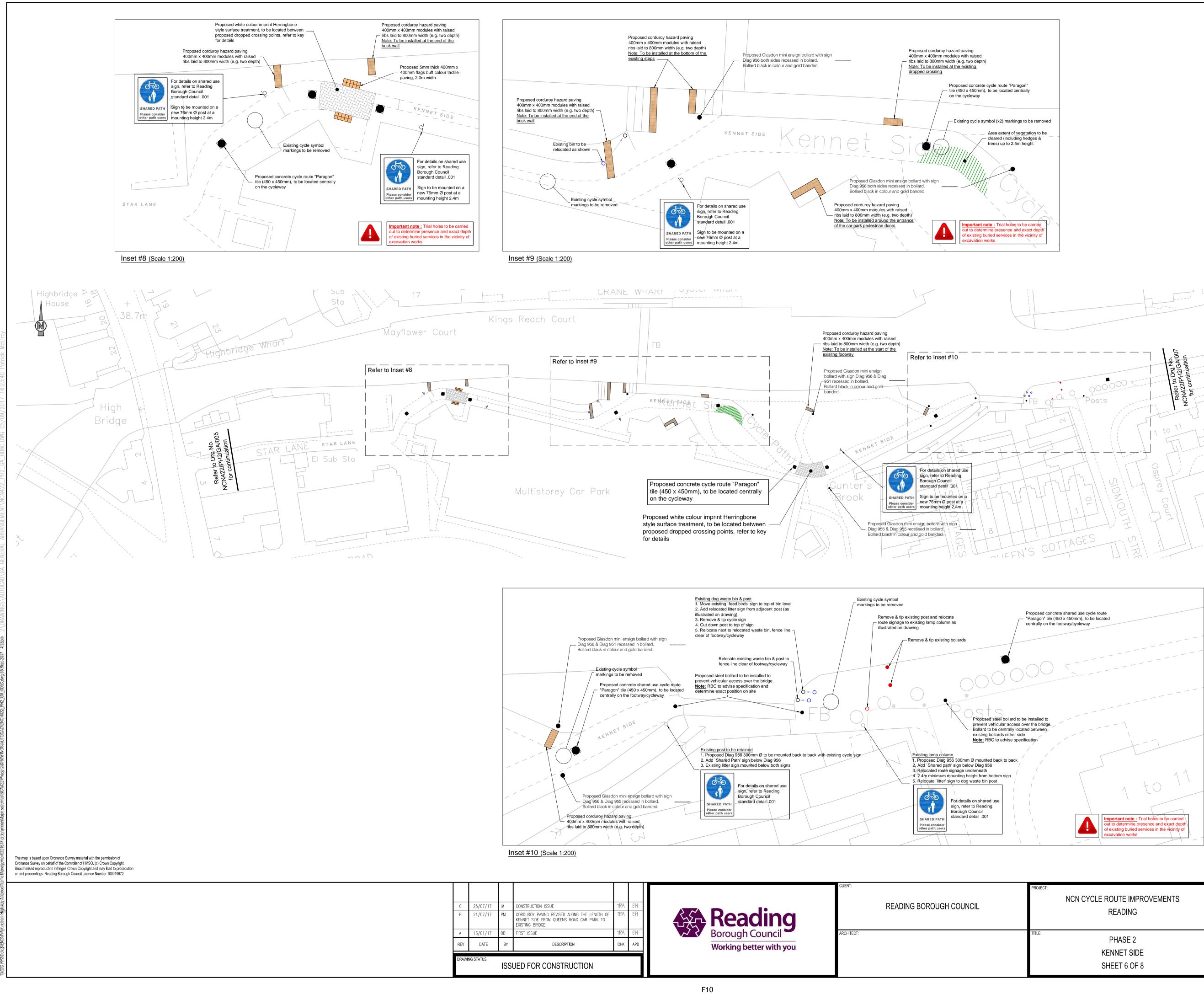
Proposed dropped kerb with transitions using a HB2 transition and BN kerb with

Proposed full height concrete half battered kerb at 125mm height, refer to RBC

Proposed corduroy hazard paving 400mm x 400mm modules with raised ribs laid

Precast concrete tactile flag (blister paving) 50mm thick 400mm x 400mm red colour and shall comply with BS 7263-3:2001

Existing footway construction to broken out to a depth of 20mm (up to 80mm if



	SCALE @ A1:	CHECKED:	APPROVED:	
YCLE ROUTE IMPROVEMENTS	1:500	TRA	E	ΕH
READING	CAD FILE:	DESIGN-DRAWN:	DATE:	
	NCN422_PH2_GA_006C	ОВ	July	2017
	PROJECT No:	DRAWING No:		REV:
PHASE 2	NCN422 NCN422		PH2/GA/006	
KENNET SIDE	11011722			C
SHEET 6 OF 8				

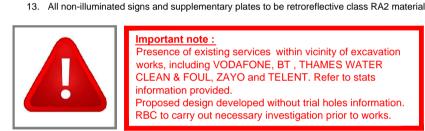
Notes

Key

- 1. All dimensions are in metres unless otherwise stated.
- 2. This drawing should be read in conjunction with all other relevant engineering details, drawings & specifications.
- 3. Any discrepancies should be reported to the design engineer immediately, so that clarification can be sought prior to the commencement of works.
- 4. All works are to be in accordance with Reading Borough Council specifications and standa details.
- 5. Contractor to establish all utility and drainage locations and coordinate safe working procedures before any excavation works take place.
- 6. Where applicable, existing manhole covers and utility covers are to be adjusted to new
- surfacing levels before the final surfacing takes place. 7. The works shall be programmed to ensure a clear footway is available for pedestrians throughout the works on or another side of the carriageway.
- 8. All traffic management arrangements to be carried out in accordance with Traffic Signs Manual Chapter 8.
- 9. All setting out on site to be agreed with Engineer.
- 10. Diagram numbers refer to "Traffic Signs Regulations and General Directions 2016". 11. Mounting heights of all signs to be
- footway 2.1m

- cycleways 2.4m - verges and non-pedestrian areas as directed by the Engineer (normally) 1.8m. If above mounting heights are not achievable due to practical reasons on site, contact the Engineer for further clarification.

12. All signs and street furniture to have a minimal lateral clearance of 450mm from all kerb faces.



ortant note esence of existing services within vicinity of excavation vorks, including VODAFONE, BT, THAMES WATER CLEAN & FOUL, ZAYO and TELENT. Refer to stats information provided. Proposed design developed without trial holes information. RBC to carry out necessary investigation prior to works.

DO NOT SCALE

Item to be removed/broken out Item to be relocated

Proposed corduroy hazard paving 400mm x 400mm modules with raised ribs laid to 800mm width (e.g. two depth)

Existing footway construction to broken out to a depth of 20mm (up to 80mm if required) and shall be prepared for an in-lay including an application of a weed killer. Proposed footway construction shall be: - 20mm of 6mm size dense asphalt concrete - 60mm of 20mm size asphalt concrete dense binder course (20 nominal size)

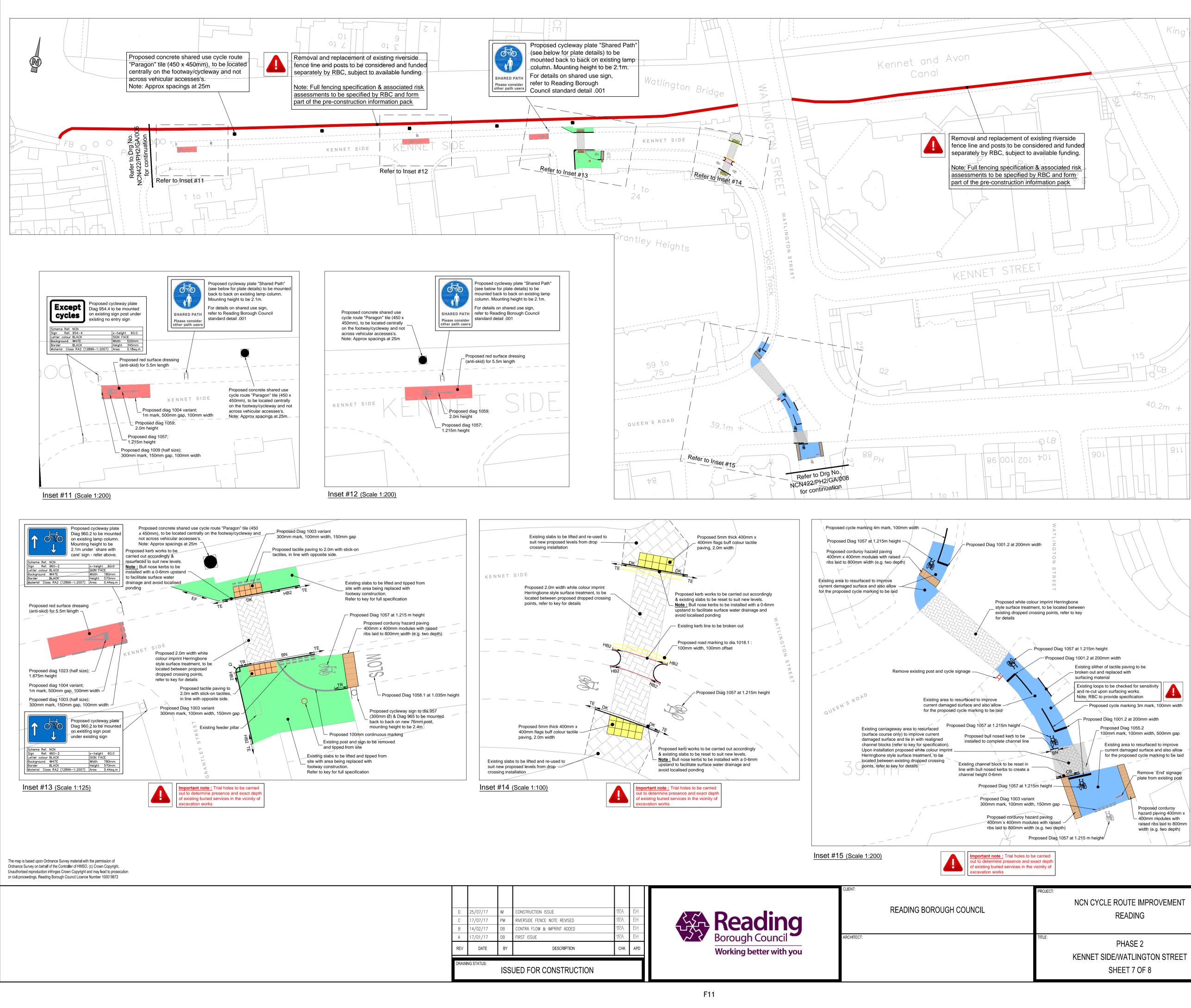
Refer to RBC standard detail SD/1105

Concrete <u>shared use cycle route</u> "Paragon" tile (450 x 450mm), refer to standard detail NCN422/SD/001. Tile to be located centrally on the footway/cycleway and not across vehicular accesses's.

Concrete <u>cycle route</u> "Paragon" tile (450 x 450mm), refer to standard detail NCN422/SD/001. Tile to be located centrally on the footway/cycleway and not across vehicular accesses's.

Proposed white colour Herringbone pattern imprint surface treatment to the following specifications : Ennis-Flint "DuraTherm" preformed thermoplastic mater inlaid into imprinted asphalt laid to supplier's specifications.

Precast concrete tactile flag (blister paving) 50mm thick 400mm x 400mm buff colour and shall comply with BS 7263-3:2001



DO NOT SCALE

Item to be removed/broken out

Key

TE

HB2

BN

EF

CB

Q

TK

_

- Proposed dropped kerb with transitions using a HB2 transition and BN kerb with 0-6 upstand, refer to RBC standard detail SD/1101 Tie into existing kerb line
- Proposed full height concrete half battered kerb at 125mm height, refer to RBC standard detail SD/1101
- Proposed concrete bull nosed kerb at 0-6mm height, refer to RBC standard detail SD/1101
- Proposed pre-cast concrete edging
- Proposed concrete channel block to match existing
- Proposed R305mm quadrant, refer to RBC standard detail SD/1101
- Proposed transition kerb, refer to RBC standard detail SD/1101
- Precast concrete tactile flag (blister paving) 50mm thick 400mm x 400mm buff colour and shall comply with BS 7263-3:2001
- Proposed 5mm thick 400mm x 400mm flags buff colour stick-on tactile paving from JA Tactile System or similar
- Proposed corduroy hazard paving 400mm x 400mm modules with raised ribs laid to 800mm width (e.g. two depth) Existing footway construction to broken out to a depth of 20mm (up to 80mm if
- required) and shall be prepared for an in-lay including an application of a weed killer. Proposed footway construction shall be: - 20mm of 6mm size dense asphalt concrete
- 60mm of 20mm size asphalt concrete dense binder course (20 nominal size) Refer to RBC standard detail SD/1105
- Existing slabs to be remove and surface to be dug out to a depth of 230mm Proposed footway construction shall be: - 20mm of 6mm size dense asphalt concrete - 60mm of 20mm size asphalt concrete dense binder course (20 nominal size)
- 150mm of Type 1 sub-base material. Refer to RBC standard detail SD/1105 Note : Standard geotextile to be laid underneath footway construction, Terram T1000 or similar where new construction was previously verge
- Cold mill by planing to 40mm depth and inlay with : - 40mm thick thin surface course system to clause 942, site category Q/R, stress level 3, texture depth of 1.5mm maximum AAV 12 and minimum PSV 65.
- Note: Reading Borough Council to confirm surface treatment. Proposed white colour Herringbone pattern imprint surface treatment to the following specifications : Ennis-Flint "DuraTherm" preformed thermoplastic mat
- inlaid into imprinted asphalt laid to supplier's specifications.
- Road marking to TSRGD specification (white screed) Road marking to TSRGD specification (yellow screed)
- Concrete shared use cycle route "Paragon" tile (450 x 450mm), r efer to standard detail NCN422/SD/001. Tile to be located centrally on the footway/cycleway and not across vehicular accesses's.
- Proposed anti-skid surfacing, resin based treatment (High friction surface) in red. Note: Reading Borough Council to confirm surface treatment.

Notes

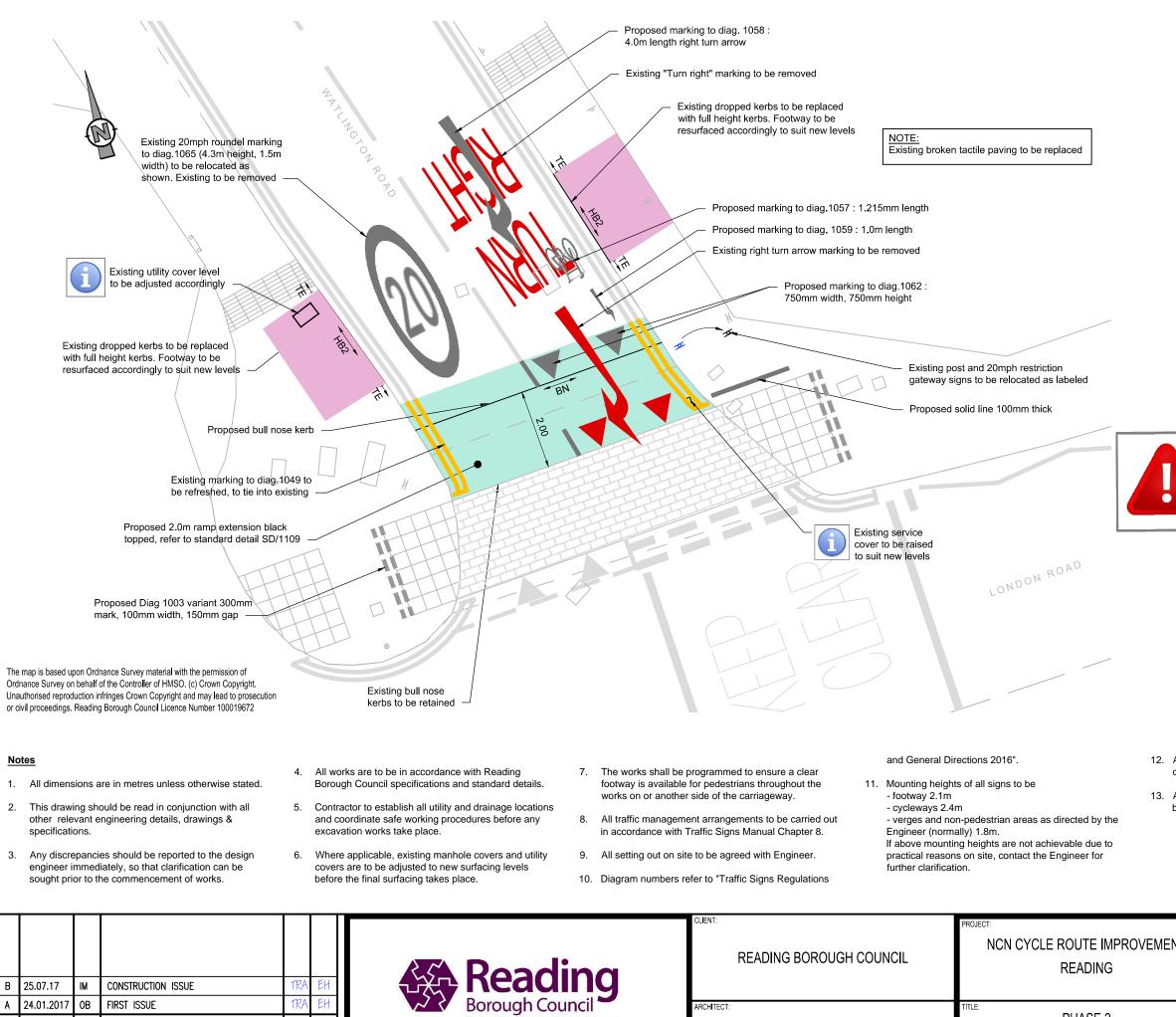
- 1. All dimensions are in metres unless otherwise stated.
- 2. This drawing should be read in conjunction with all other relevant engineering details, drawings & specifications.
- 3. Any discrepancies should be reported to the design engineer immediately, so that clarification can be sought prior to the commencement of works.
- 4. All works are to be in accordance with Reading Borough Council specifications and standard
- 5. Contractor to establish all utility and drainage locations and coordinate safe working
- procedures before any excavation works take place.
- 6. Where applicable, existing manhole covers and utility covers are to be adjusted to new surfacing levels before the final surfacing takes place.
- 7. The works shall be programmed to ensure a clear footway is available for pedestrians throughout the works on or another side of the carriageway.
- 8. All traffic management arrangements to be carried out in accordance with Traffic Signs Manual Chapter 8.
- 9. All setting out on site to be agreed with Engineer.
- 10. Diagram numbers refer to "Traffic Signs Regulations and General Directions 2016".
- 11. Mounting heights of all signs to be
- footway 2.1m - cycleways 2.4m
- verges and non-pedestrian areas as directed by the Engineer (normally) 1.8m. If above mounting heights are not achievable due to practical reasons on site, contact the Engineer for further clarification
- 12. All signs and street furniture to have a minimal lateral clearance of 450mm from all kerb
- 13. All non-illuminated signs and supplementary plates to be retroreflective class RA2 material.

ortant note



sence of existing services within vicinity of excavation vorks, including VODAFONE, BT, THAMES WATER CLEAN & FOUL, INSTALCOM, ZAYO, SGN, SSE HV & LV ERIZON and TELENT. Refer to stats information provide oposed design developed without trial holes information. RBC to carry out necessary investigation prior to works.

	SCALE @ A1:	CHECKED:	APPROVED:	
CN CYCLE ROUTE IMPROVEMENT	1:500	TRA	E	Ή
READING	CAD FILE:	DESIGN-DRAWN:	DATE:	
	NCN422_PH2_GA_007D	ОВ	Augus	st 2017
	PROJECT No:	DRAWING No:		REV:
PHASE 2 ENNET SIDE/WATLINGTON STREET	NCN422	NCN422/GA/	007	D
SHEET 7 OF 8				



ISSUED	FOR	CONST	ΓΙΟΝ
ISSUED	FUR	CONST	

DATE

DRAWING STATUS:

RF\

DESCRIPTION

СНК

APD



	PROJECT:	SCALE @ A3:	CHECKED:	APPROVED:	
READING BOROUGH COUNCIL	NCN CYCLE ROUTE IMPROVEMENT	1:100	TRA	E	Ή
READING BOROUGH COUNCIL	READING	CAD FILE:	DESIGN-DRAWN:	DATE:	
		NCN422_PH2_GA_008B	OB	Januar	ry 2017
	TITLE: PHASE 2	PROJECT No:	DRAWING No:		REV:
	WATLINGTON ROAD J/W LONDON ROAD	NCN422	NCN422/PH2/G	GA/008	В
F12	SHEET 8 OF 8	Ô	WSP Group p	lc	

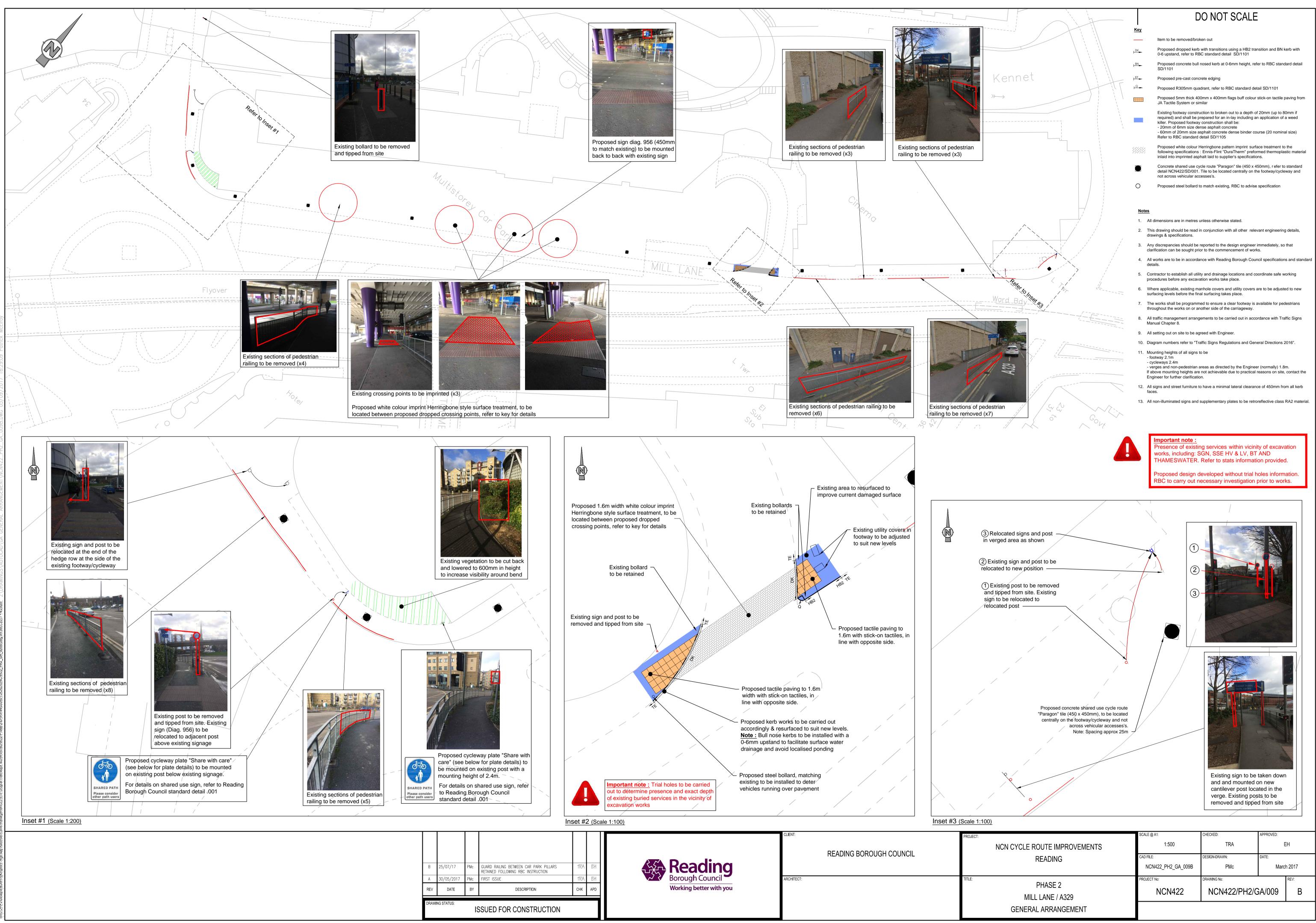
	DO NOT SCALE
Key	
	Items to be removed / broken out and tipped
	Items to be relocated as specified
HB2	Proposed full height kerb, refer to RBC standard detail SD/1101
BN	Proposed bull nose kerb, refer to RBC standard detail SD/1101
⊢ ^{TE} ►	Tie into existing kerb line
2	Existing footway construction to broken out to a depth of 20mm (up to 80mm if required) and shall be prepared for an in-lay. Proposed footway construction shall be: - 20mm of 6mm size dense asphalt concrete - 60mm of 20mm size asphalt concrete dense binder course (20 nominal size) Refer to RBC standard detail SD/1105 Proposed road resurfacing to build road hump, refer to standard
	detail SD/1109 for regulating course and surface course material. Note: Reading Borough Council to confirm surface treatment.
	Road marking to TSRGD specification (white screed)
	Road marking to TSRGD specification (yellow screed)
_	

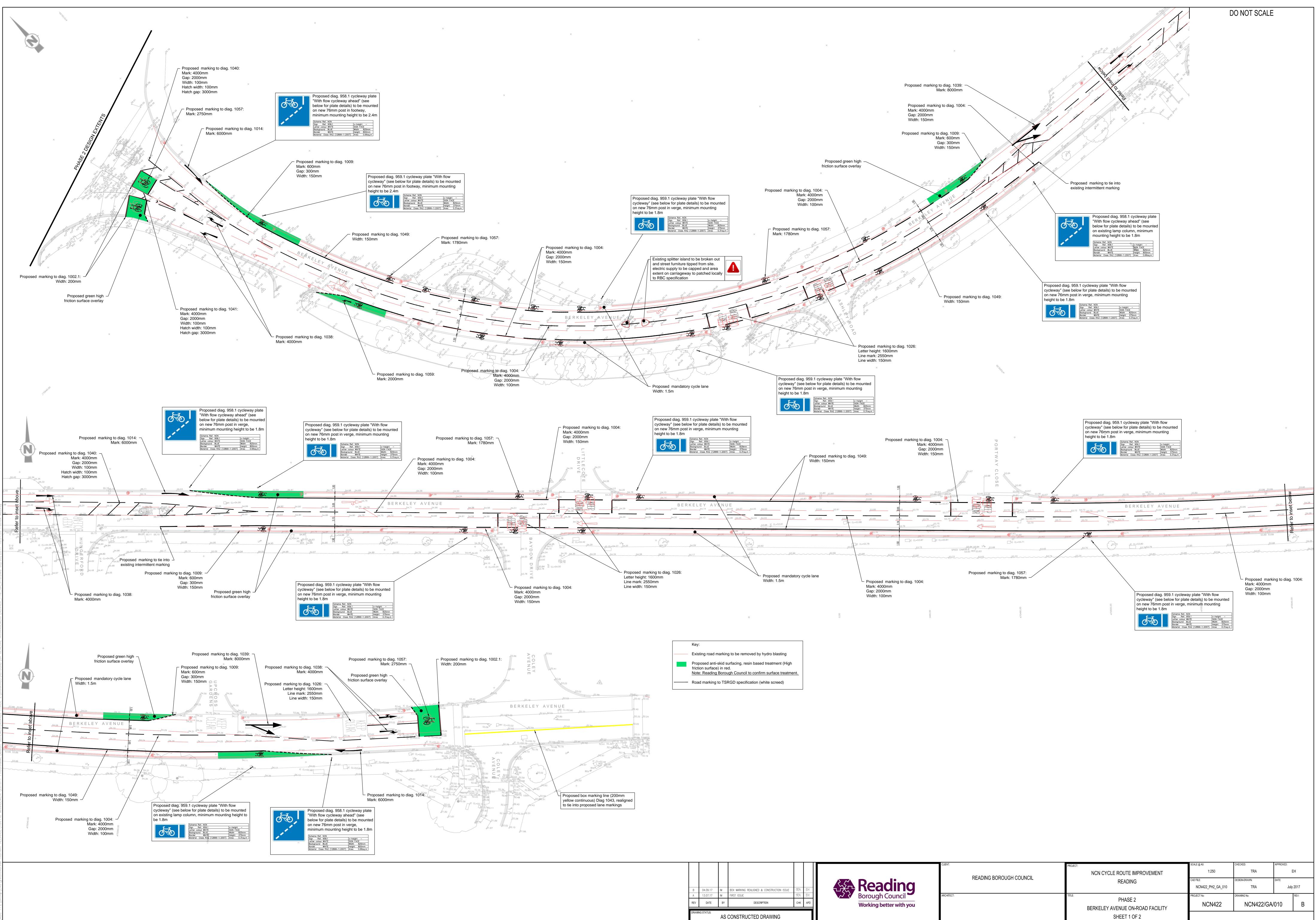


Important note : Presence of existing services within vicinity of excavation works, including - VODAFONE, BT, THAMES WATER CLEAN & FOUL, VIRGIN, INSTALCOM, ZAYO, SGN, SSE HV & LV and TELENT. Refer to stats information provided. Proposed design developed without trial holes information. RBC to carry out necessary investigation prior to works.

12. All signs and street furniture to have a minimal lateral clearance of 450mm from all kerb faces.

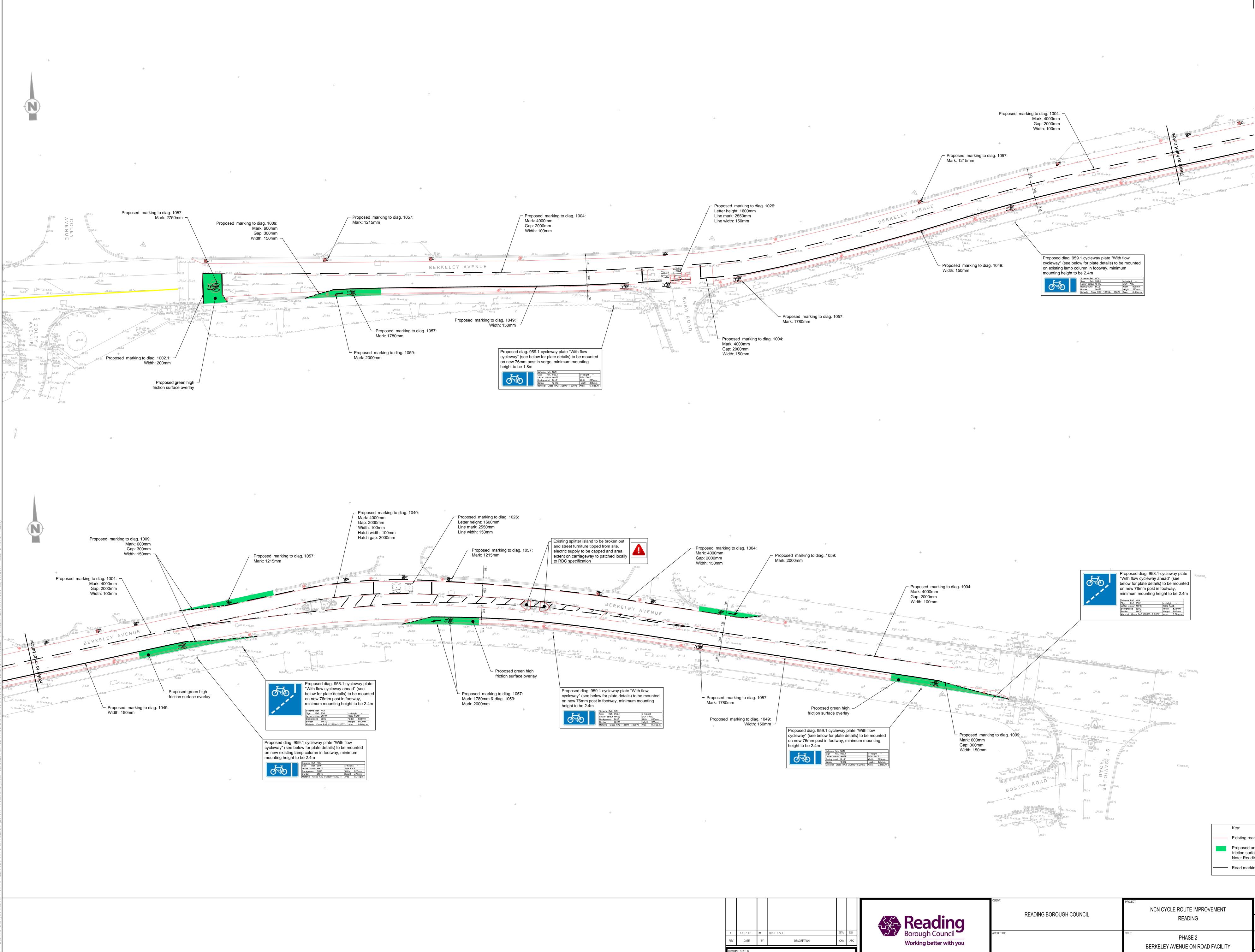
13. All non-illuminated signs and supplementary plates to be retroreflective class RA2 material.





04.09.17	IM	BOX MARKING REALIGNED & CONSTRUCTION ISSUE	1RA	E	
13.07.17 DATE	IM BY	FIRST ISSUE DESCRIPTION	TRA CHK	E A	
STATUS: AS CONSTRUCTED DRAWING					





FOR INFORMATION ONLY

DO NOT SCALE

posed diag. 958.1 c	ycleway plate	172620
ith flow cycleway and	ead" (see	
ow for plate details)	to be mounted	
new 76mm post in fo		
imum mounting hei	ght to be 2.4m	
me Ref. NCN		
Ref. 958.1	x-height -	
er colour WHITE	SIGN FACE	
ground BLUE	Width 825mm	
or WHITE	Height 800mm	

	Key:
	Existing road marking to be removed by hydro blasting
	Proposed anti-skid surfacing, resin based treatment (High friction surface) in red. Note: Reading Borough Council to confirm surface treatment.
	Road marking to TSRGD specification (white screed)

	SCALE @ A0:	CHECKED:	APPROVED:	
PROJECT: NCN CYCLE ROUTE IMPROVEMENT READING	1:250	TRA	EH	
	CAD FILE: NCN422_PH2_GA_011	design-drawn: TRA	date: July 2017	
TITLE: PHASE 2 BERKELEY AVENUE ON-ROAD FACILITY	PROJECT NO: NCN422	DRAWING NO: NCN422/GA/011		REV: A
SHEET 2 OF 2				