DO NOT SCALE

Existing signalised crossing currently at toucan crossing standard however upgrade to signal infrastructure to be upgraded by Reading Borough Council as part of the overall scheme works

Proposed 300mm cycleway Ø signs to dia. 956 to be mounted back to back on existing lighting column at a mounting height 2.4m

Existing pedestrian railings to be removed and tipped from site

Existing footway to be sided and widened to 2.75m with existing edgings to be removed. Proposed concrete edgings to be installed with the verge extent excavated to 230mm and full depth footway construction installed. Note : Standard geotextile to be laid underneath footway construction. Refer to key for full specification

Proposed concrete shared use cycle route "Paragon" tile (450 x 450mm), to be located centrally on the footway/cycleway and not across vehicular accesses's.
Note: Approx spacings at 25m

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

Verge sidings to be carried out to exposed existing footway edgings

Existing footway to be sided and widened to 2.5m with existing edgings to be removed.Proposed concrete edgings to be installed with the verge extent excavated to 230mm and full depth footway construction installed.Note : Standard geotextile to be laid underneath footway construction. Refer to key for full specification

Trial hole to be carried out to determine presence and exact depth of existing buried services in the vicinity of excavation works

Existing feeder pillar located in center of footway. Reading Borough to investigate if the cabinet is active and feasibility of relocating to the back of the footway. If the cabinet is not relocated then 100mm continuous marks to be installed either the side of the cabinet to highlight the hazard to cyclists.

Proposed concrete edgings to tie back to kerb line to create more pavement space from existing feeder pillar Existing verge extent excavated to 230mm and full depth footway construction installed.
Note : Standard geotextile to be laid underneath footway construction
Refer to key for full specification

Proposed concrete shared use cycle route "Paragon" tile (450 x 450mm), to be located centrally on the footway/cycleway and not across vehicular accesses's.
Note: Approx spacings at 25m

Proposed 300mm cycleway Ø signs to dia. 956 to be mounted back to back on existing lighting column at a mounting height 2.4m

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

Verge sidings to be carried out to exposed existing footway edgings

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

Trial hole to be carried out to determine presence and exact depth of existing buried services in the vicinity of excavation works

Existing footway to be sided and widened to 2.5m with existing edgings to be removed. Proposed concrete edgings to be installed with the verge extent excavated to 230mm and full depth footway construction installed. Note : Standard geotextile to be laid underneath footway construction. Refer to key for full specification

Proposed cycleway plate "Shared path" to be mounted on new 76mm Ø tubular steel post. Mounting height to be 2.1m.
Note : signs to be mounted with a minimum clearance of 450mm from any kerb face. Position to be agreed on site with Engineer

SHARED PATH
Please consider other path users

For details on shared use sign, refer to Reading Borough Council standard detail .001

Trial hole to be carried out to determine presence and exact depth of existing buried services in the vicinity of excavation works

Existing parking restriction sign to be relocated to the existing lamp column, with the post tipped from site

Existing lamp column to be relocated to back of verge with proposed 300mm cycleway Ø signs to dia. 956 to be mounted back to backat a mounting height 2.4m

Proposed birds mouth fencing, refer to key for details.
Setting out and full extents to be agreed on site with the engineer.

Proposed edgings to tie back into existing to avoid existing covers

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

Trial hole to be carried out to determine presence and exact depth of existing buried services in the vicinity of excavation works

Proposed 300mm cycleway Ø signs to dia. 956 to be mounted back to back on existing lighting column at a mounting height 2.4m

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

Proposed concrete shared use cycle route "Paragon" tile (450 x 450mm), to be located centrally on the footway/cycleway and not across vehicular accesses's.
Note: Approx spacings at 25m

Proposed 300mm cycleway Ø signs to dia. 956 to be mounted back to back on existing lighting column at a mounting height 2.4m

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

Verge sidings to be carried out to exposed existing footway edgings

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

Trial hole to be carried out to determine presence and exact depth of existing buried services in the vicinity of excavation works

Existing footway to be sided and widened to 2.5m with existing edgings to be removed. Proposed concrete edgings to be installed with the verge extent excavated to 230mm and full depth footway construction installed. Note : Standard geotextile to be laid underneath footway construction. Refer to key for full specification

Refer to Inset #1

Refer to Inset #2

Refer to Inset #3

Refer to Inset #4

Refer to Inset above

Refer to Drg No. NCN422/PH2/GA/002 for continuation

BERKELEY AVENUE

BATH ROAD

PORTWAY CLOSE

BARTON DRIVE

HUNGERFORD DRIVE

BAYDON DRIVE

Key

- Item to be removed/broken out
- Area extent of vegetation to be cleared (including hedges & trees) up to 2.5m height
- Siding to be carried out
- 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 pre-cast concrete edging
- 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
- 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 surface to be dug out to a depth of 230mm or topped up on existing carriageway surface.
  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
- 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 birds mouth fencing, refer to standard detail NCN422/PH2/GA/001

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

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

Inset #1 (Scale 1:200)

Existing verge to be excavated to 230mm and full depth footway construction installed.
Note : Standard geotextile to be laid underneath footway construction
Refer to key for full specification

Existing pedestrian railings to be removed and tipped from site

Existing cover to be adjust to new finish footway level

Existing edging to be broken out and tipped

Trial hole to be carried out to determine presence and exact depth of existing buried services in the vicinity of excavation works

Proposed concrete shared use cycle route "Paragon" tile (450 x 450mm), to be located centrally on the footway/cycleway and not across vehicular accesses's.
Note: Approx spacings at 25m

Existing footway to be overlaid (0-70mm) to tie into proposed footway surfacing maintaining a longitudinal fall and constant crossfall to channel

Proposed 5mm thick 400mm x 400mm flags buff colour tactile paving, 1.6m width

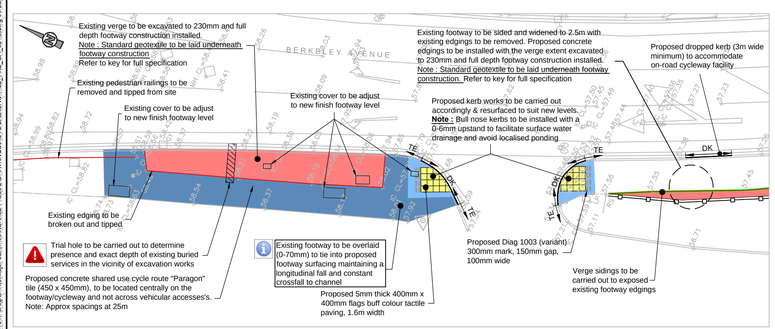
Existing footway to be sided and widened to 2.5m with existing edgings to be removed. Proposed concrete edgings to be installed with the verge extent excavated to 230mm and full depth footway construction installed. Note : Standard geotextile to be laid underneath footway construction. Refer to key for full specification

Proposed kerb works to be carried out accordingly & resurfaced to suit new levels.
Note : Bull nose kerbs to be installed with a 0-6mm upstand to facilitate surface water drainage and avoid localised ponding

Proposed dropped kerb (3m wide minimum) to accommodate on-road cycleway facility

Proposed Diag 1003 (variant) 300mm mark, 150mm gap, 100mm wide

Verge sidings to be carried out to exposed existing footway edgings



Important note : Trial holes to be carried out to determine presence and exact depth of existing buried services in the vicinity of excavation works

Inset #2 (Scale 1:200)

Existing footway to be sided and widened to 2.5m with existing edgings to be removed.Proposed concrete edgings to be installed with the verge extent excavated to 230mm and full depth footway construction installed. Note : Standard geotextile to be laid underneath footway construction. Refer to key for full specification

Existing carriageway to be top up and replaced with footway construction & resurfaced to suit new levels.
Refer to key for full specification

Proposed kerb works to be carried out accordingly & resurfaced to suit new levels.
Note : Bull nose kerbs to be installed with a 0-6mm upstand to facilitate surface water drainage and avoid localised ponding

Proposed 5mm thick 400mm x 400mm flags buff colour tactile paving, 1.6m width

Proposed edgings to incorporate existing cover within the verged area

Relocate existing lamp column within verge

Proposed Diag 1003 (variant) 300mm mark, 150mm gap, 100mm wide

Proposed 5mm thick 400mm x 400mm flags buff colour tactile paving, 2.0m width

Break out existing kerb line

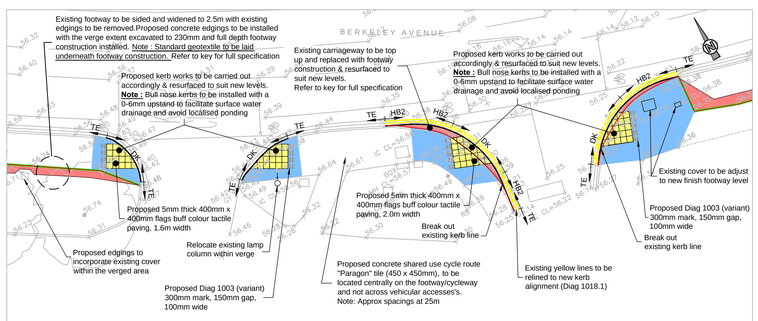
Proposed concrete shared use cycle route "Paragon" tile (450 x 450mm), to be located centrally on the footway/cycleway and not across vehicular accesses's.
Note: Approx spacings at 25m

Existing yellow lines to be refined to new kerb alignment (Diag 1018.1)

Existing cover to be adjust to new finish footway level

Proposed Diag 1003 (variant) 300mm mark, 150mm gap, 100mm wide

Break out existing kerb line



Important note : Trial holes to be carried out to determine presence and exact depth of existing buried services in the vicinity of excavation works

Inset #3 (Scale 1:200)

Existing verge to be excavated to 230mm and full depth footway construction installed.
Note : Standard geotextile to be laid underneath footway construction
Refer to key for full specification

Proposed kerb works to be carried out accordingly & resurfaced to suit new levels.
Note : Bull nose kerbs to be installed with a 0-6mm upstand to facilitate surface water drainage and avoid localised ponding

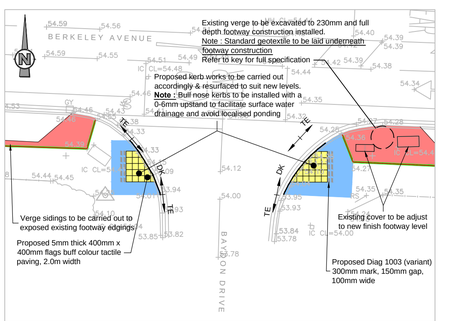
Existing cover to be adjust to new finish footway level

Proposed 5mm thick 400mm x 400mm flags buff colour stick-on tactile paving, 2.0m width

Existing cover to be adjust to new finish footway level

Proposed Diag 1003 (variant) 300mm mark, 150mm gap, 100mm wide

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



Important note : Trial holes to be carried out to determine presence and exact depth of existing buried services in the vicinity of excavation works

Inset #4 (Scale 1:200)

Existing verge to be excavated to 230mm and full depth footway construction installed.
Note : Standard geotextile to be laid underneath footway construction
Refer to key for full specification

Proposed kerb works to be carried out accordingly & resurfaced to suit new levels.
Note : Bull nose kerbs to be installed with a 0-6mm upstand to facilitate surface water drainage and avoid localised ponding

Verge sidings to be carried out to exposed existing footway edgings

Proposed 5mm thick 400mm x 400mm flags buff colour tactile paving, 2.0m width

Existing cover to be adjust to new finish footway level

Proposed Diag 1003 (variant) 300mm mark, 150mm gap, 100mm wide

Important note : Trial holes to be carried out to determine presence and exact depth of existing buried services in the vicinity of excavation works

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REV	DATE	BY	DESCRIPTION	CHK	APD
C	24/07/17	IM	TACTILE PAVING TYPE REVISED & BIRD MOUTH FENCING ADDED	TRA	EH
B	10/07/17	IM	OS SURVEY REPLACED WITH TOPOGRAPHICAL SURVEY	TRA	EH
A	19/06/17	IM	FIRST ISSUE	TRA	EH

DRAWING STATUS: ISSUED FOR CONSTRUCTION

Reading Borough Council
Working better with you

CLIENT: READING BOROUGH COUNCIL

ARCHITECT:

PROJECT: NCN CYCLE ROUTE IMPROVEMENT READING

TITLE: PHASE 2 BERKELEY AVENUE SHEET 1 OF 8

SCALE @ A1:	CHECKED:	APPROVED:
1:500	TRA	EH
CAD FILE:	DESIGN-DRAWN:	DATE:
NCN422_PH2_GA_001C	IM	July 2017
PROJECT No:	DRAWING No:	REV:
NCN422	NCN422/PH2/GA/001	C

W:\PC\P2\Data\ENG\Highways\Highway Asset\Traffic Management\231617 programme\Major schemes\NCN\C2 Phase 2\2-0\AWKS\AUTOCAD\NC-H422_PH2_GA_001.dcl,dwg 05 Sep 2017 - 3:33pm
2:\DRAWINGS\AUTOCAD\GA_GENERAL_ARRANGEMENT\NCN422_PH2_GA_001C.DWG 05/09/2017 15:33:37 Patrick McElroy