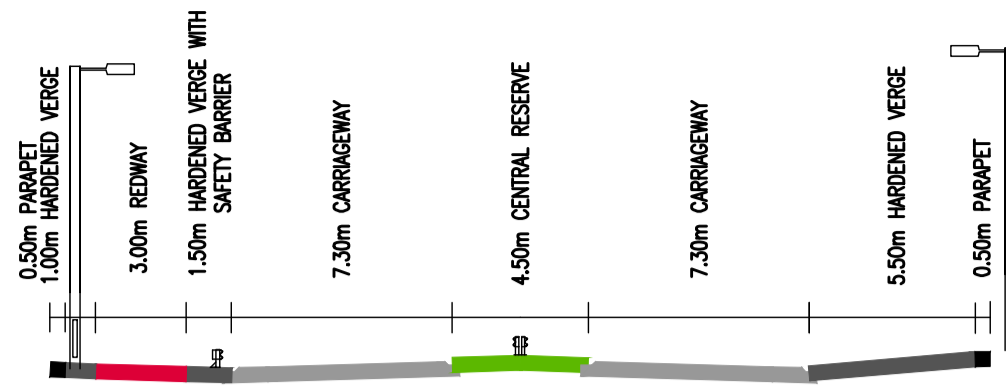


ROAD TYPE 1 – PRIMARY DISTRIBUTOR – DUAL CARRIAGEWAY (31.1m)  
DESIGNED IN ACCORDANCE WITH DESIGN MANUAL FOR ROADS AND BRIDGES (DMRB)



APPLIES TO:  
LINK 107 (LINK U) STRUCTURE B3 RIVER OUZEL FLOODPLAIN BRIDGE

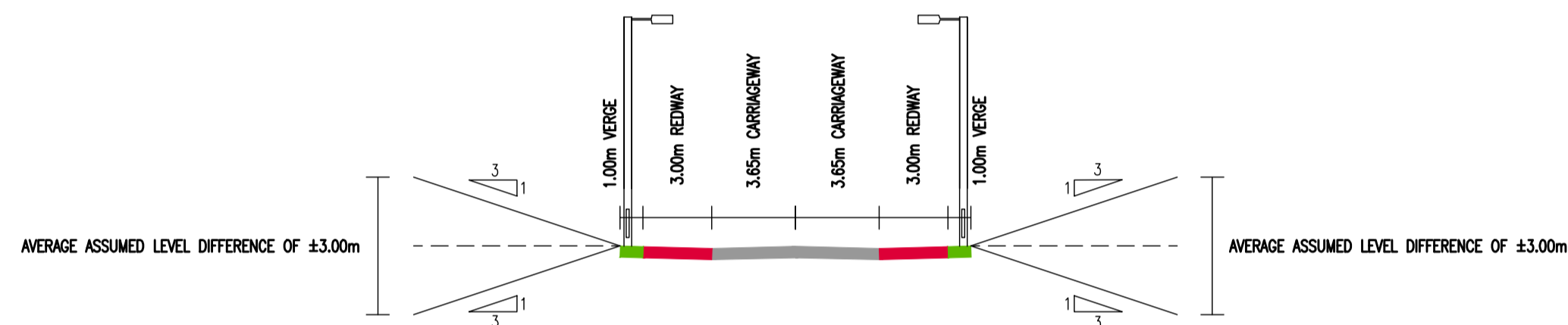
NO CORRIDOR WIDTH SAFEGUARDED DUE TO BRIDGE EARTHWORKS AND VADUCT STRUCTURES. THEREFORE, ONLY THE PHYSICAL INFRASTRUCTURE SHOWN IN THE SECTION TO BE PROVIDED.

LIGHTING (INDICATIVE DETAILS)

- 10m LIGHTING COLUMN HEIGHTS – SINGLE-SIDED ARRANGEMENT (8m HEIGHTS TO BE CONSIDERED WHERE APPROPRIATE)
- LIGHTING CLASS M3 (EQUIVALENT 15 LUX AVERAGE & 0.4 UNIFORMITY)
- LUMINAIRE HOLOPHANE V-MAX 3000K LED
- LUMINAIRE 0° TILT – NO DIRECT UPWARD LIGHT
- LIGHTING TO BE LOCATED OUTSIDE OF PARAPET WHERE NOT PROTECTED BY SAFETY BARRIER (FIXING DETAIL TO BE CONFIRMED)

- NOTES:
- ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE STATED.
  - ALL DESIGN CRITERIA AND DIMENSIONS ARE SUBJECT TO APPROVAL FROM THE LOCAL AUTHORITY.
  - ALL REDWAY CONSTRUCTION DETAILS HAVE BEEN RECEIVED FROM BERKELEY ST JAMES ON THE 24/07/2020 PLEASE REFER TO DRAWING MKC/1100/005A – REDWAY CONSTRUCTION DETAILS.
  - OUTSIDE VERGES MAY BE WIDENED TO ALLOW FOR SIGNS, SAFETY BARRIER AND NOISE FENCE WHICH WILL BE DETERMINED DURING DETAILED DESIGN.
  - THE LIGHTING PROPOSALS SHOWN ARE SUBJECT TO CHANGE FOLLOWING FURTHER DESIGN DEVELOPMENT CONSIDERING SENSITIVE ENVIRONMENTAL CONSTRAINTS AND APPROVAL REQUIREMENTS FROM THE LOCAL AUTHORITY.
  - LIGHTING TO ROUNDABOUTS TO INCLUDE 10M TO 12M COLUMN HEIGHTS & LIGHTING LEVELS RANGING FROM 20 TO 30 LUX AVERAGE & 0.4 UNIFORMITY.

ROAD TYPE 1 – PRIMARY DISTRIBUTOR – SINGLE CARRIAGEWAY (15.3m EXCLUDING EARTHWORKS)  
DESIGNED IN ACCORDANCE WITH DESIGN MANUAL FOR ROADS AND BRIDGES (DMRB)



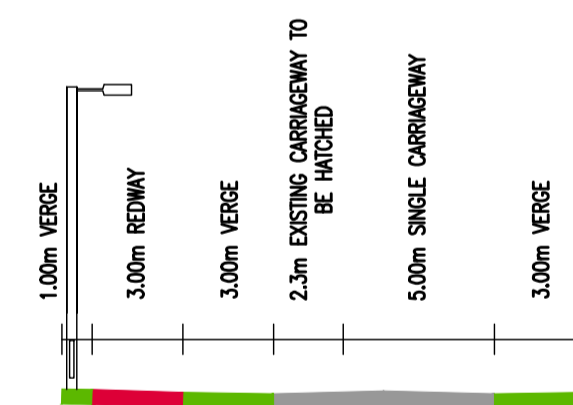
APPLIES TO:  
LINK 108 (EXISTING A509)

LIGHTING (INDICATIVE DETAILS)

- 10m LIGHTING COLUMN HEIGHTS – OPPOSITE OR STAGGERED ARRANGEMENT (8m HEIGHTS TO BE CONSIDERED WHERE APPROPRIATE)
- LINK 108 LIGHTING CLASS M3 (EQUIVALENT 15 LUX AVERAGE & 0.4 UNIFORMITY)
- LINK 110 LIGHTING CLASS M4 (EQUIVALENT 10 LUX AVERAGE & 0.4 UNIFORMITY)
- LUMINAIRE HOLOPHANE V-MAX 3000K LED
- LUMINAIRE 0° TILT – NO DIRECT UPWARD LIGHT

UNTIL TECHNICAL APPROVAL HAS BEEN OBTAINED FROM THE RELEVANT LOCAL AUTHORITIES OR STATUTORY BODIES, IT SHOULD BE UNDERSTOOD THAT ALL DRAWINGS ARE ISSUED AS PRELIMINARY AND NOT FOR CONSTRUCTION. SHOULD THE CONTRACTOR AND / OR EMPLOYER COMMENCE WORK PRIOR TO APPROVAL BEING GIVEN, IT IS ENTIRELY AT THEIR OWN RISK

ROAD TYPE 1 – PRIMARY DISTRIBUTOR – SINGLE CARRIAGEWAY (17.3m)  
DESIGNED IN ACCORDANCE WITH DESIGN MANUAL FOR ROADS AND BRIDGES (DMRB)



APPLIES TO:  
LINK 109 (EXISTING TONGWELL STREET)

LIGHTING (INDICATIVE DETAILS)

- 10m LIGHTING COLUMN HEIGHTS – SINGLE-SIDED ARRANGEMENT (8m HEIGHTS TO BE CONSIDERED WHERE APPROPRIATE)
- LIGHTING CLASS M3 (EQUIVALENT 15 LUX AVERAGE & 0.4 UNIFORMITY)
- LUMINAIRE HOLOPHANE V-MAX 3000K LED
- LUMINAIRE 0° TILT – NO DIRECT UPWARD LIGHT

CARRIAGEWAY CONSTRUCTION FOR TYPE 1 ROADS		
LAYER	THICKNESS	DESCRIPTION
SURFACE COURSE	45mm	HRA+PCC SURF1 35/14 40/60 PSV 65 TO CL.911 & 943
BINDER COURSE	60mm	AC20 BIN4 TO CL.929
BASECOURSE	250mm	AC32 BASE2 TO CL.929
SUB-BASE	300mm	GRANULAR TYPE 1 TO CL.803
CAPPING	450mm	6F2 MATERIAL

REDWAY / FOOTWAY CONSTRUCTION		
LAYER	THICKNESS	DESCRIPTION
SURFACE COURSE	25mm	REDWAY – AC6 RED TO CL.909 MKCA FOOTWAY – AC6 TO CL.909
BINDER COURSE	50mm	REDWAY – AC20 TO CL.929 FOOTWAY – AC20 TO CL.929
BASECOURSE	70mm	REDWAY – AC32 TO CL.929 FOOTWAY – AC32 TO CL.929
SUB-BASE	300mm / 150mm	REDWAY – GRANULAR TYPE 1 TO CL.803 FOOTWAY – GRANULAR TYPE 1 TO CL.803
CAPPING	-	ADDITIONAL SUB-BASE AS REQUIRED

REV	DATE	BY	DESCRIPTION	CHK	APP
P04	30/07/2021	GLG	CONSTRUCTION DETAILS AMENDED	APP	APP
P03	09/07/2021	GLG	NOISE BARRIER REMOVED	APP	APP
P02	26/03/2021	GLG	MINOR AMENDMENTS FOR PLANNING	APP	APP
P01	12/03/2021	GLG	ISSUED FOR PLANNING	APP	SWP

DRAWING STATUS: S4 - FOR APPROVAL

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wsp.com

CLIENT: BERKELEY ST JAMES

ARCHITECT: JTP / STEPHEN GEORGE AND PARTNERS

SITE/PROJECT: MILTON KEYNES EAST

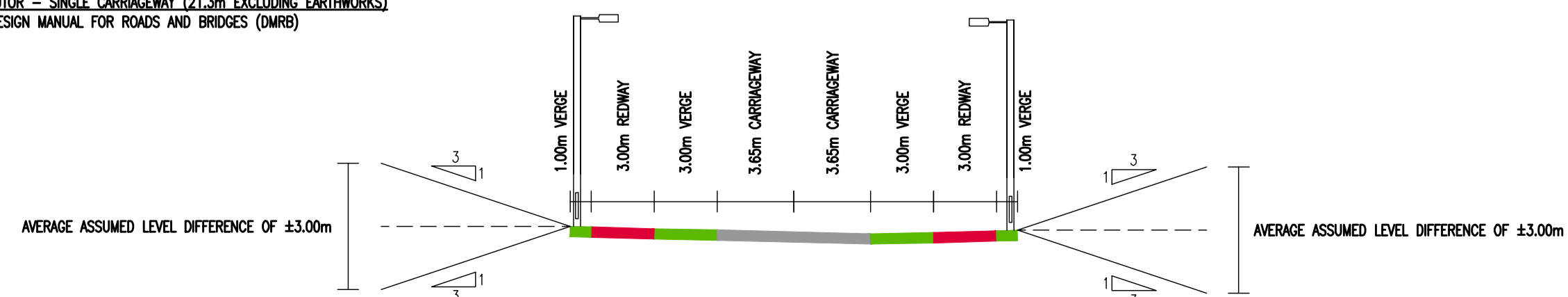
TITLE: GEOMETRY DETAILS OF INDICATIVE ROAD CROSS SECTIONS SHEET 3 OF 4

SCALE @ A1: 1:250	CHECKED: ARP	APPROVED: SAP
PROJECT NO: 70057521	DESIGNED: GLG	DRAWN: GLG
	DATE: March 21	

DRAWING NO: MKE-WSP-ZZ-ZZ-C-SK-0103 REV: P04

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ROAD TYPE 1 – PRIMARY DISTRIBUTOR – SINGLE CARRIAGEWAY (21.3m EXCLUDING EARTHWORKS)  
DESIGNED IN ACCORDANCE WITH DESIGN MANUAL FOR ROADS AND BRIDGES (DMRB)



APPLIES TO:  
LINK 110 (LINK B1)

40m CORRIDOR WIDTH TO BE SAFEGUARDED FOR LINK 110 ONLY TO ALLOW FOR DUALING IN THE FUTURE.

LIGHTING (INDICATIVE DETAILS)

- 10m LIGHTING COLUMN HEIGHTS – OPPOSITE OR STAGGERED ARRANGEMENT (8m HEIGHTS TO BE CONSIDERED WHERE APPROPRIATE)
- LINK 108 LIGHTING CLASS M3 (EQUIVALENT 15 LUX AVERAGE & 0.4 UNIFORMITY)
- LINK 110 LIGHTING CLASS M4 (EQUIVALENT 10 LUX AVERAGE & 0.4 UNIFORMITY)
- LUMINAIRE HOLOPHANE V-MAX 3000K LED
- LUMINAIRE 0° TILT – NO DIRECT UPWARD LIGHT

\* NOTE: BASED ON AN ASSUMED CBR VALUE OF 2.5% – SUBJECT TO DETAILED DESIGN AND APPROVAL FROM THE LOCAL AUTHORITY.