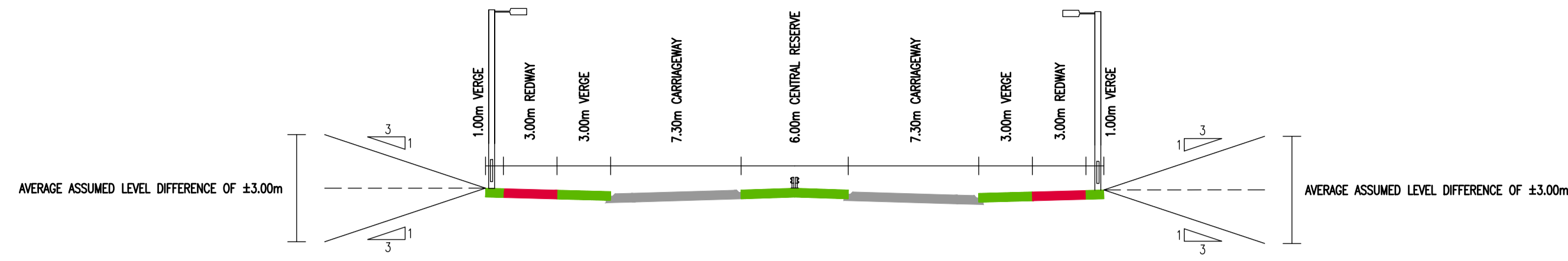


ROAD TYPE 1 – PRIMARY DISTRIBUTOR – DUAL CARRIAGEWAY (34.6m EXCLUDING EARTHWORKS)  
DESIGNED IN ACCORDANCE WITH DESIGN MANUAL FOR ROADS AND BRIDGES (DMRB)



APPLIES TO:  
LINK 101 (LINK A)

60m CORRIDOR WIDTH  
TO BE SAFEGUARDED.

LIGHTING (INDICATIVE DETAILS)

- 10m LIGHTING COLUMN HEIGHTS – OPPOSITE ARRANGEMENT
- LIGHTING CLASS M3 (EQUIVALENT 15 LUX AVERAGE & 0.4 UNIFORMITY)
- LUMINAIRE HOLOPHANE V-MAX 3000K LED
- LUMINAIRE Ø 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

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

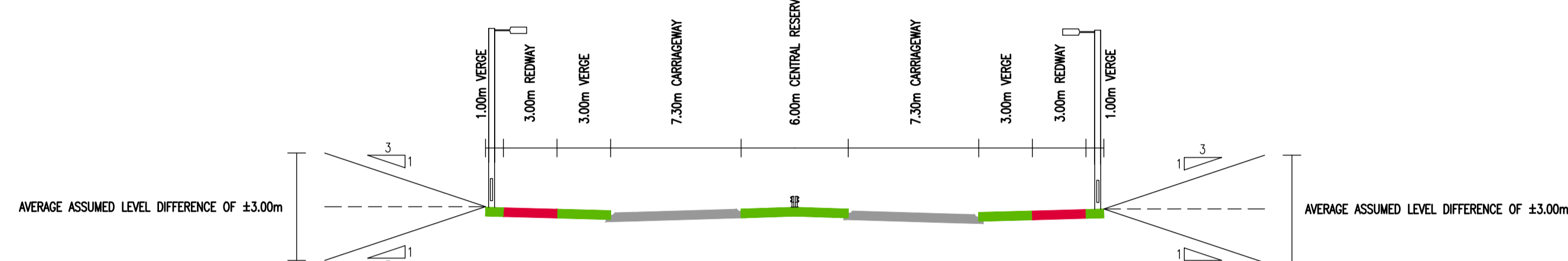
REDWAY / FOOTWAY CONSTRUCTION		
LAYER	THICKNESS	DESCRIPTION
SURFACE COURSE	25mm	REDWAY – AC6 RED TO CL.909 MKCA FOOTWAY – AC6 TO CL.909
BINDER COURSE	50mm	REDWAY – AC20 TO CL.929 FOOTWAY – AC20 TO CL.929
BASECOURSE	70mm	REDWAY – AC32 TO CL.929 FOOTWAY – AC32 TO CL.929
SUB-BASE	300mm 150mm	REDWAY – GRANULAR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

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

NOTES:

1. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE STATED.
2. ALL DESIGN CRITERIA AND DIMENSIONS ARE SUBJECT TO APPROVAL FROM THE LOCAL AUTHORITY.
3. 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.
4. OUTSIDE VERGES MAY BE WIDENED TO ALLOW FOR SIGNS, SAFETY BARRIER AND NOISE FENCE WHICH WILL BE DETERMINED DURING DETAILED DESIGN.
5. THE LIGHTING PROPOSALS SHOWN ARE SUBJECT TO CHANGE FOLLOWING FURTHER DESIGN DEVELOPMENT CONSIDERING SENSITIVE ENVIRONMENTAL CONSTRAINTS AND APPROVAL REQUIREMENTS FROM THE LOCAL AUTHORITY.
6. 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 – DUAL CARRIAGEWAY (35.6m EXCLUDING EARTHWORKS)  
DESIGNED IN ACCORDANCE WITH DESIGN MANUAL FOR ROADS AND BRIDGES (DMRB)



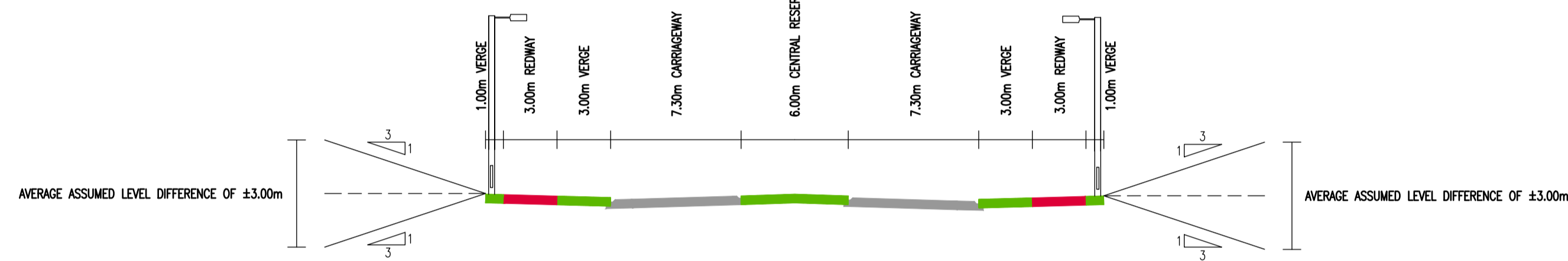
APPLIES TO:  
LINK 102 (LINK D)

60m CORRIDOR WIDTH  
TO BE SAFEGUARDED.

LIGHTING (INDICATIVE DETAILS)

- 10m LIGHTING COLUMN HEIGHTS – OPPOSITE ARRANGEMENT
- LIGHTING CLASS M3 (EQUIVALENT 15 LUX AVERAGE & 0.4 UNIFORMITY)
- LUMINAIRE HOLOPHANE V-MAX 3000K LED
- LUMINAIRE Ø TILT – NO DIRECT UPWARD LIGHT

ROAD TYPE 1 – PRIMARY DISTRIBUTOR – DUAL CARRIAGEWAY (35.6m EXCLUDING EARTHWORKS)  
DESIGNED IN ACCORDANCE WITH DESIGN MANUAL FOR ROADS AND BRIDGES (DMRB)



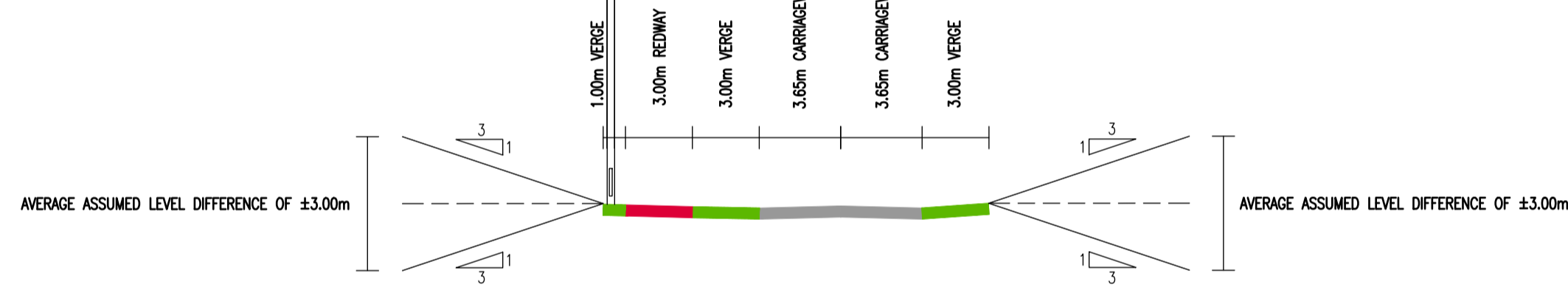
APPLIES TO:  
LINK 103 DUAL CARRIAGEWAY SECTION (LINK B)

60m CORRIDOR WIDTH  
TO BE SAFEGUARDED.

LIGHTING (INDICATIVE DETAILS)

- 10m LIGHTING COLUMN HEIGHTS – OPPOSITE 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 Ø TILT – NO DIRECT UPWARD LIGHT

ROAD TYPE 1 – PRIMARY DISTRIBUTOR – SINGLE CARRIAGEWAY (18.3m EXCLUDING EARTHWORKS)  
DESIGNED IN ACCORDANCE WITH DESIGN MANUAL FOR ROADS AND BRIDGES (DMRB)



APPLIES TO:  
LINK 103 SINGLE CARRIAGEWAY SECTION (LINK B)

60m CORRIDOR WIDTH  
TO BE SAFEGUARDED.

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 Ø 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

REV	DATE	BY	DESCRIPTION	CHK	APP
P06	30/07/2021	GLG	CONSTRUCTION DETAILS AMENDED	APP	SAP
P05	09/07/2021	GLG	NOISE BARRIER REMOVED	APP	SAP
P04	26/03/2021	GLG	MINOR AMENDMENTS FOR PLANNING	APP	SAP
P03	12/03/2021	GLG	ISSUED FOR PLANNING	APP	SAP
P02	14/01/2021	GLG	SECTIONS UPDATED FOLLOWING COMMENTS FROM MKC	APP	SAP
P01	20/11/2020	GLG	FIRST ISSUE	APP	SAP

DRAWING STATUS: S4 - FOR APPROVAL



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CLIENT: BERKELEY ST JAMES

ARCHITECT: JTP / STEPHEN GEORGE AND PARTNERS

SITE/PROJECT: MILTON KEYNES EAST

TITLE: GEOMETRY DETAILS OF INDICATIVE ROAD CROSS SECTIONS SHEET 1 OF 4

SCALE @ A1: 1:250

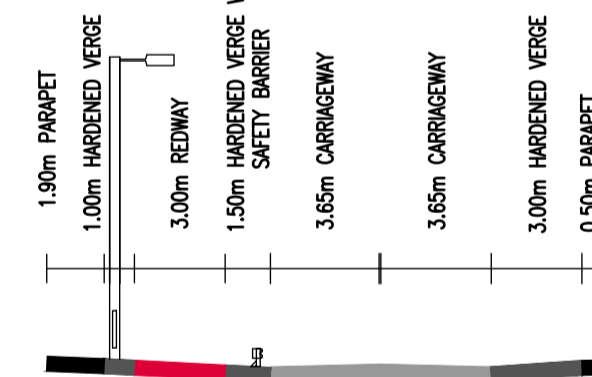
CHECKED: ARP APPROVED: SAP

PROJECT NO: 70057521 DESIGNED: GLG DRAWN: GLG DATE: September 21

DRAWING NO: MKE-WSP-ZZ-ZZ-C-SK-0101 REV: P06

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ROAD TYPE 1 – PRIMARY DISTRIBUTOR – SINGLE CARRIAGEWAY (18.2m EXCLUDING EARTHWORKS)  
DESIGNED IN ACCORDANCE WITH DESIGN MANUAL FOR ROADS AND BRIDGES (DMRB)

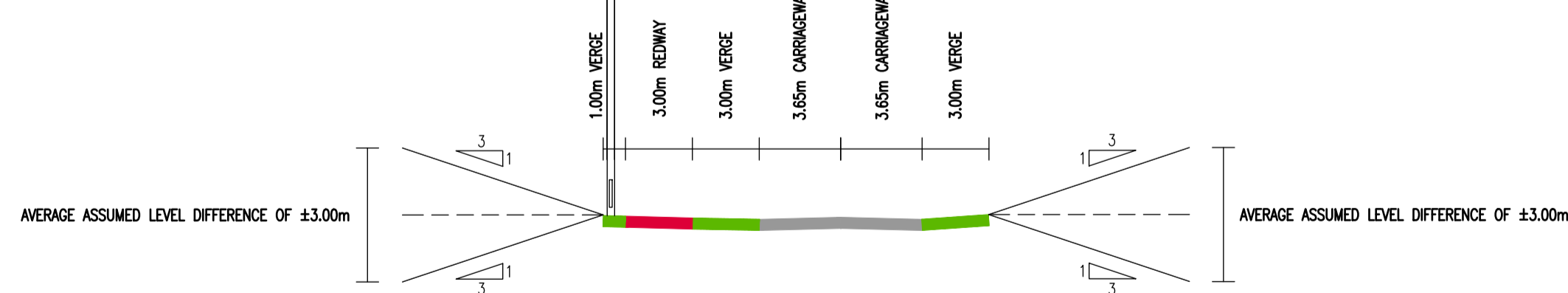


APPLIES TO:  
LINK 103 (LINK B) STRUCTURE B4, STREAM BRIDGE (WSB)

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 Ø TILT – NO DIRECT UPWARD LIGHT

ROAD TYPE 1 – PRIMARY DISTRIBUTOR – SINGLE CARRIAGEWAY (18.3m EXCLUDING EARTHWORKS)  
DESIGNED IN ACCORDANCE WITH DESIGN MANUAL FOR ROADS AND BRIDGES (DMRB)



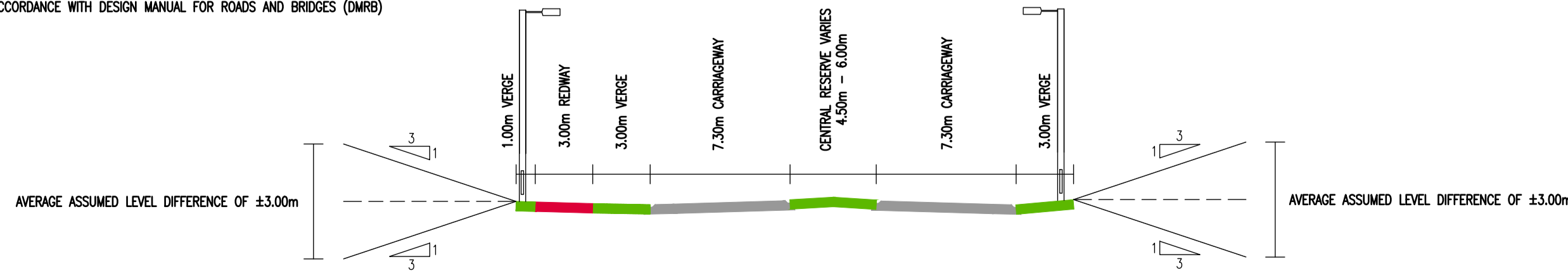
APPLIES TO:  
LINK 104 (LINK F)

60m CORRIDOR WIDTH  
TO BE SAFEGUARDED.

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 Ø TILT – NO DIRECT UPWARD LIGHT

ROAD TYPE 1 – PRIMARY DISTRIBUTOR – DUAL CARRIAGEWAY (VARIES BETWEEN 29.1m – 30.6m EXCLUDING EARTHWORKS)  
TONGWELL STREET TRANSITION  
DESIGNED IN ACCORDANCE WITH DESIGN MANUAL FOR ROADS AND BRIDGES (DMRB)



APPLIES TO:  
LINK 105 (TONGWELL STREET)

TRANSITION IN ADVANCE OF PROPOSED AND EXISTING BRIDGE STRUCTURES FROM PINEHAM ROUNDABOUT

CORRIDOR WIDTH ALONG TONGWELL STREET TO BE CONFIRMED.

CROSS-SECTIONAL WIDTH IN ADVANCE AND OVER THE PROPOSED RIVER OUZEL BRIDGE STRUCTURE VARIES.

LIGHTING (INDICATIVE DETAILS)

- 10m – 12m LIGHTING COLUMN HEIGHTS – OPPOSITE ARRANGEMENT
- LIGHTING CLASS M2 (EQUIVALENT 20 LUX AVERAGE & 0.4 UNIFORMITY)
- LUMINAIRE HOLOPHANE V-MAX 3000K LED
- LUMINAIRE Ø TILT – NO DIRECT UPWARD LIGHT