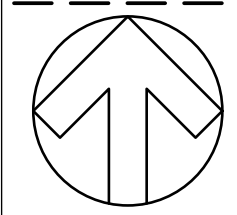
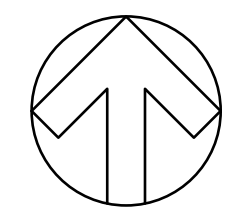


Appendix 1 Detailed Drawings Supplemental and Replacement to those provided at Appendix C1 of the ES (March 2021)

FOR CONTINUATION REFER TO MAIN VIEW



2



5

6

7

4

3

8

2

10

9

- NOTES:**
1. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE STATED.
 2. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH ALL RELEVANT DOCUMENTATION, DRAWINGS AND STANDARD DETAILS.
 3. THIS DRAWING IS NOT TO BE REPRODUCED IN ANY PART OF FORM WITHOUT PRIOR CONSENT FROM WSP UK LIMITED, ALL COPY RIGHT RESERVED.
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REV	DATE	BY	DESCRIPTION	CHK	APP
P04	03/09/2021	GLG	KEYPLAN UPDATED	WSP	SAP
P03	09/07/2021	DB	EL RBT 3 AMENDED	WSP	SAP
P02	26/03/2021	GLG	MINOR AMENDMENTS FOR PLANNING	WSP	SAP
P01	12/03/2021	GLG	ISSUED FOR PLANNING	WSP	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: **GENERAL ARRANGEMENT FOR PLANNING SCHEMATIC OVERVIEW**

SCALE @ A1:	CHECKED:	APPROVED:
1:5000	ARP	SAP
PROJECT NO:	DESIGNED:	DRAWN:
70057521	GLG	GLG
DRAWING NO:	DATE:	REV:
MKE-WSP-ZZ-ZZ-C-DR-0010	March 21	P04

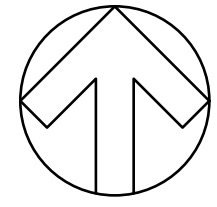
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INSET A

FOR CONTINUATION REFER TO INSET A

File name: UK:\WSPGROUP\COM\CENTRAL DATA\PROJECTS\05\05007002\0521 - MKE - PLANNING APPLICATIONS\WPCIVIL ENGINEERING\03 DRAWINGS\MKE-WSP-ZZ-ZZ-C-DR-0010.DWG, printed on 08 September 2021 13:08:18, by Galen George





FOR CONTINUATION REFER TO SHEET 2

EXISTING ACCESS TO BE RETAINED AND IS SUBJECT TO DETAILED DESIGN.

EXISTING PRIVATE ACCESS TO BE REMOVED.

GRASSCRETE TO BE INSTALLED.

VERGE TO BE GRADED TO TIE-IN WITH EXISTING VERGE LEVELS.

PROPOSED REDWAY TO TIE INTO EXISTING REDWAY.

TONGWELL STREET CAR PARK ACCESS

AMENDMENTS TO EXISTING JUNCTION SUBJECT TO RESERVED MATTERS APPLICATION.

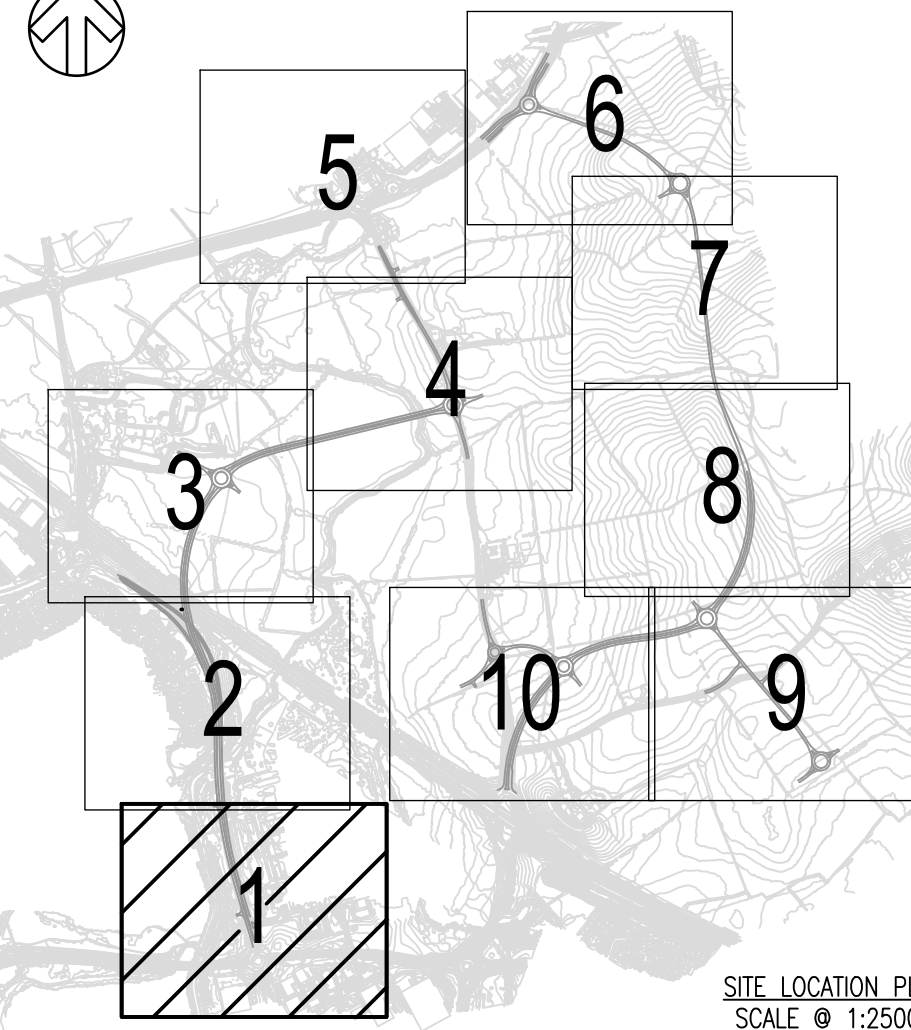
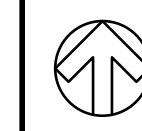
POTENTIAL IMPROVEMENTS TO PINEHAM ROUNDABOUT TO BE DELIVERED AS RESERVED MATTERS APPLICATION.

PR RBT PINEHAM ROAD ROUNDABOUT

LINK 105

A509

A509



SITE LOCATION PLAN
SCALE @ 1:25000

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DO NOT SCALE

NOTES:

- DRAWINGS ARE PREPARED TO SUPPORT DETAILED ELEMENT OF HYBRID PLANNING APPLICATION FOR THE STRATEGIC HIGHWAY INFRASTRUCTURE ASSOCIATED WITH MILTON KEYNES EAST (MKE) DEVELOPMENT.
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- THE LIGHTING PROPOSALS SHOWN ARE SUBJECT TO CHANGE FOLLOWING FURTHER DESIGN DEVELOPMENT CONSIDERING SENSITIVE ENVIRONMENTAL CONSTRAINTS AND APPROVAL REQUIREMENTS FROM THE LOCAL AUTHORITY.
- THE MILTON KEYNES HIGHWAY BOUNDARY IS TAKEN FROM INTERACTIVE HIGHWAY BOUNDARY MAPPING FOUND ON THE MILTON KEYNES COUNCIL'S WEBSITE.
- TOPOGRAPHICAL INFORMATION PROVIDED BY MK SURVEYS FILE - "28562" ON THE 11/06/2020 AND 3D ENGINEERING SURVEYS FILE - "DES21007_MKE_REV1" ON THE 22/02/2021. WSP CAN NOT ACCEPT RESPONSIBILITY FOR ANY INACCURACIES.
- ALL REDWAYS DESIGNED IN ACCORDANCE WITH LTN 2/08.
- EARTHWORKS SHOWN OUTSIDE THE TRANSPORTATION CORRIDOR SHALL BE REVIEWED DURING DETAILED DESIGN STAGE WITH A VIEW TO EITHER LOCALLY STEEPEN OR ADJUSTING EXISTING GROUND LEVELS SO THAT ALL WORKS ARE LOCATED WITHIN THE CORRIDOR.

KEY:

GENERAL

- PLANNING APPLICATION BOUNDARY
- HIGHWAYS ENGLAND HIGHWAY BOUNDARY
- MILTON KEYNES COUNCIL HIGHWAY BOUNDARY
- PROPOSED TRANSPORTATION CORRIDOR
- LAND SAFEGUARDED FOR FUTURE TRANSPORTATION CORRIDOR
- PROPOSED NOISE FENCE
- EXISTING TREES AND VEGETATION WITHIN EXISTING HIGHWAY BOUNDARY IMPACTED BY THE PROPOSED WORKS (OTHER EXISTING TREES OUTSIDE THE EXISTING HIGHWAY BOUNDARY MAY BE AFFECTED AND FORM OF NOISE BARRIER TO BE DETERMINED DURING DETAILED DESIGN)
- PROPOSED VEHICLE RESTRAINT SYSTEM (VRS)

POS	DATE	BY	DESCRIPTION	CHK	APP
P05	08/09/2021	GLG	KEY PLAN UPDATED	ARP	SAP
P04	09/07/2021	BD	KEY PLAN UPDATED	ARP	SAP
P03	26/03/2021	GLG	MINOR AMENDMENTS FOR PLANNING	ARP	SAP
P02	12/03/2021	GLG	ISSUED FOR PLANNING	ARP	SAP
P01	15/01/2021	OPL	FIRST ISSUE	ARP	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: GENERAL ARRANGEMENT FOR PLANNING SHEET 1

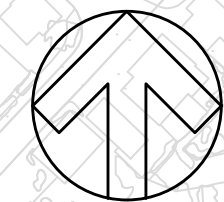
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CHECKED: ARP
APPROVED: SAP

PROJECT NO: 70057521
DESIGNED: ARP
DRAWN: GLG
DATE: August 21

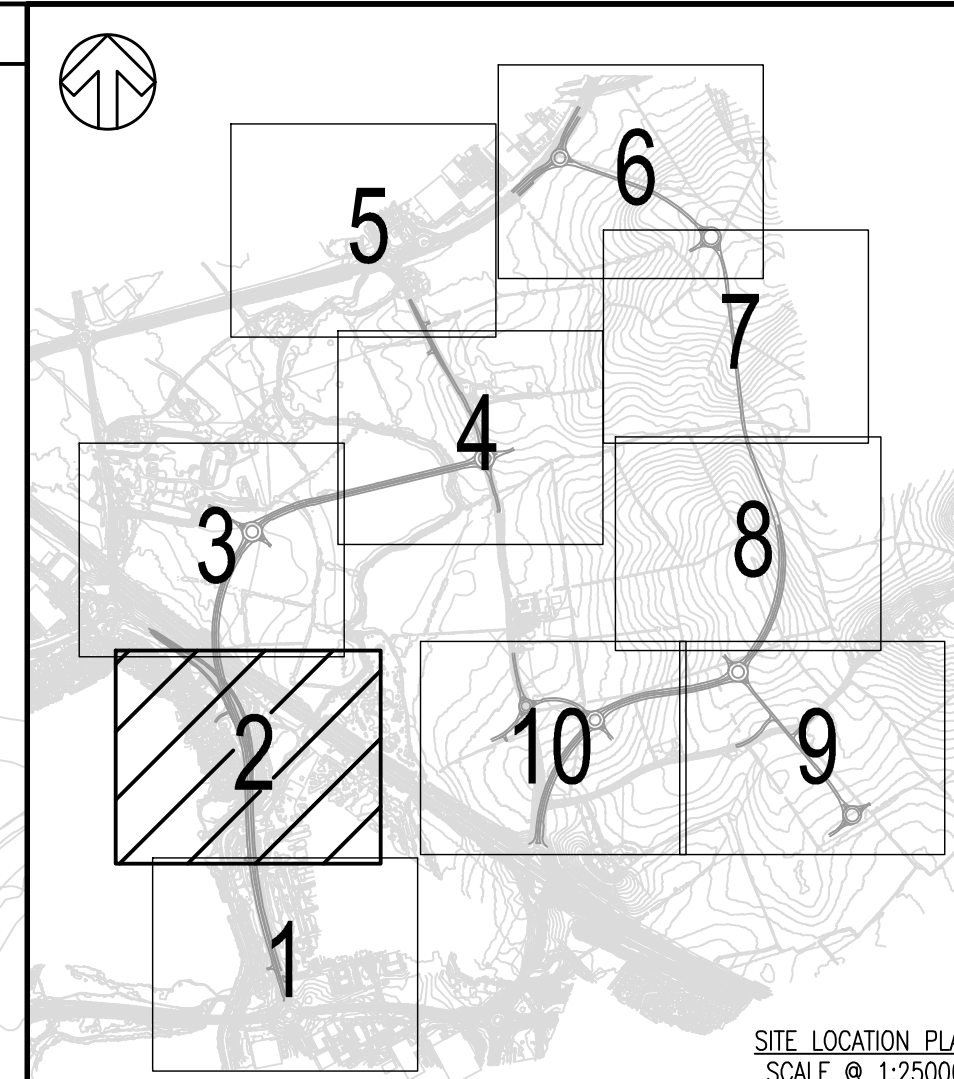
DRAWING NO: MKE-WSP-ZZ-ZZ-C-DR-0011
REV: P05

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FOR CONTINUATION REFER TO SHEET 3



- NOTES:**
- DRAWINGS ARE PREPARED TO SUPPORT DETAILED ELEMENT OF HYBRID PLANNING APPLICATION FOR THE STRATEGIC HIGHWAY INFRASTRUCTURE ASSOCIATED WITH MILTON KEYNES EAST (MKE) DEVELOPMENT.
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- KEY:**
- GENERAL**
- PLANNING APPLICATION BOUNDARY
 - HIGHWAYS ENGLAND HIGHWAY BOUNDARY
 - MILTON KEYNES COUNCIL HIGHWAY BOUNDARY
 - PROPOSED TRANSPORTATION CORRIDOR
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 - PROPOSED VEHICLE RESTRAINT SYSTEM (VRS)

REV	DATE	BY	DESCRIPTION	CHK	APP
P05	03/09/2021	GLG	MINOR AMENDMENTS	ARP	SAP
P04	09/07/2021	DB	RIVER EMBANKMENT IMPROVEMENT WORKS AMENDED	ARP	SAP
P03	26/03/2021	GLG	MINOR AMENDMENTS FOR PLANNING	ARP	SAP
P02	12/03/2021	GLG	ISSUED FOR PLANNING	ARP	SAP
P01	15/01/2021	OPL	FIRST ISSUE	ARP	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: **GENERAL ARRANGEMENT FOR PLANNING SHEET 2**

SCALE @ A1:	CHECKED:	APPROVED:	
1:1250	ARP	SAP	
PROJECT NO:	DESIGNED:	DRAWN:	DATE:
70057521	ARP	GLG	January 21

DRAWING NO: **MKE-WSP-ZZ-ZZ-C-DR-0012** REV: **P05**

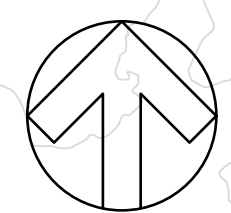
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File name: I:\UK\WSPGROUP\CENTRAL DATA\PROJECTS\70057521 - MKE - PLANNING APPLICATIONS\3D DRAWINGS\MKE-WSP-ZZ-ZZ-C-DR-0012.DWG, printed on 10 September 2021 11:16:55, by Bowen, Dean



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FOR CONTINUATION REFER TO SHEET 1



WILLEN LINK ROUNDABOUT (WL RBT)		
ICD	65.000m	
NO. OF CIRCULATORY LANES	3	
CARRIAGEWAY LANE INFORMATION		
LINK REFERENCE	NO. OF LANES ON CARRIAGEWAY LINK	NO. OF LANES ON APPROACH/AT GIVE WAY LINE TO ROUNDABOUT
106	2	3
107	2	3
507	1	2
508	1	2

LAND TO BE DEDICATED TO HIGHWAYS TO FACILITATE CONNECTION TO BLOOR DEVELOPMENT AND WILLEN ROAD.

C1. FLOOD RELIEF CULVERT 1 (FR1) WITH PEDESTRIAN/CYCLE ACCESS.

FOR CONTINUATION REFER TO SHEET 4

- NOTES:**
- DRAWINGS ARE PREPARED TO SUPPORT DETAILED ELEMENT OF HYBRID PLANNING APPLICATION FOR THE STRATEGIC HIGHWAY INFRASTRUCTURE ASSOCIATED WITH MILTON KEYNES EAST (MKE) DEVELOPMENT.
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REV	DATE	BY	DESCRIPTION	CHK	APP
P06	03/09/2021	GLG	MINOR AMENDMENTS	ARP	SAP
P05	13/08/2021	GLG	NOTE REMOVED	ARP	SAP
P04	09/07/2021	DB	NOISE BARRIER REMOVED	ARP	SAP
P03	26/03/2021	GLG	MINOR AMENDMENTS FOR PLANNING	ARP	SAP
P02	12/03/2021	GLG	ISSUED FOR PLANNING	ARP	SAP
P01	15/01/2021	OPL	FIRST ISSUE	ARP	SAP

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CLIENT: BERKELEY ST JAMES

ARCHITECT: JTP / STEPHEN GEORGE AND PARTNERS

SITE/PROJECT: MILTON KEYNES EAST

TITLE: GENERAL ARRANGEMENT FOR PLANNING SHEET 3

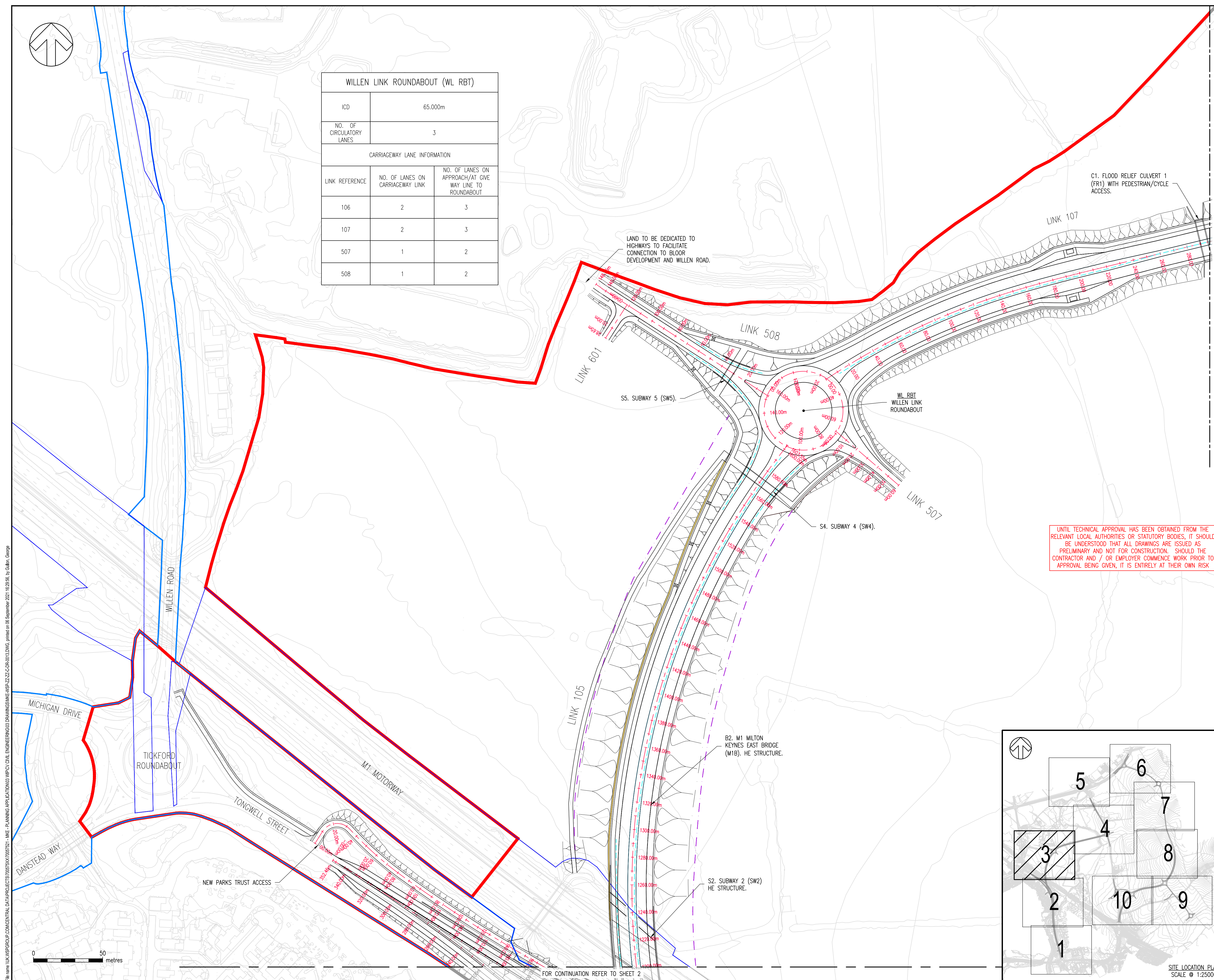
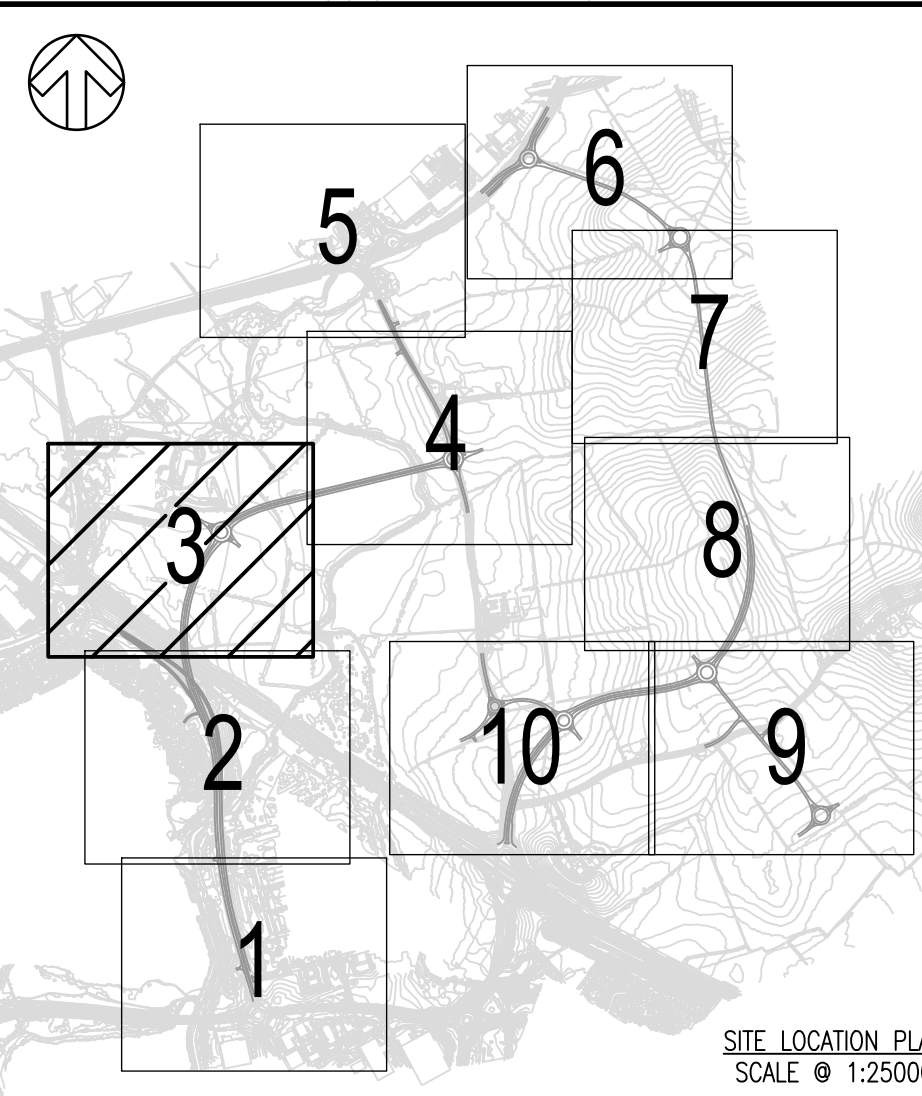
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PROJECT NO: 70057521	DESIGNED: ARP	DRAWN: GLG
		DATE: September 21

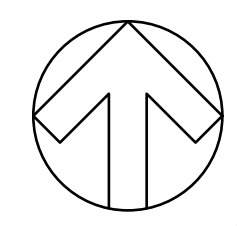
DRAWING NO: MKE-WSP-ZZ-ZZ-C-DR-0013	REV: P06
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File name: I:\UK\WSP\GROUP\CENTRAL DATA\PROJECTS\0510503\0510503\S4 - MKE - PLANNING APPLICATION\DWG\DRAWINGS\MKE-WSP-ZZ-ZZ-C-DR-0013.DWG, printed on 08 September 2021 16:29:56 by Gullin, George

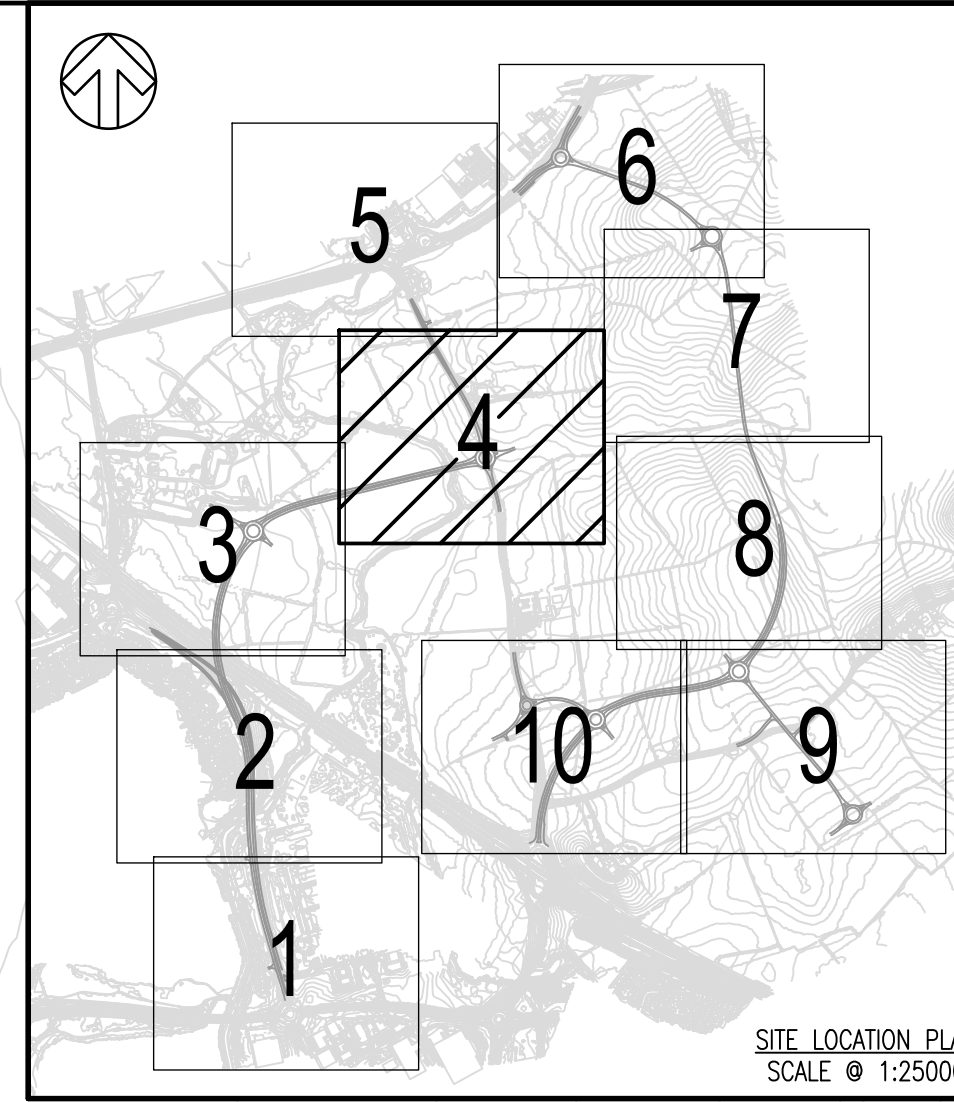
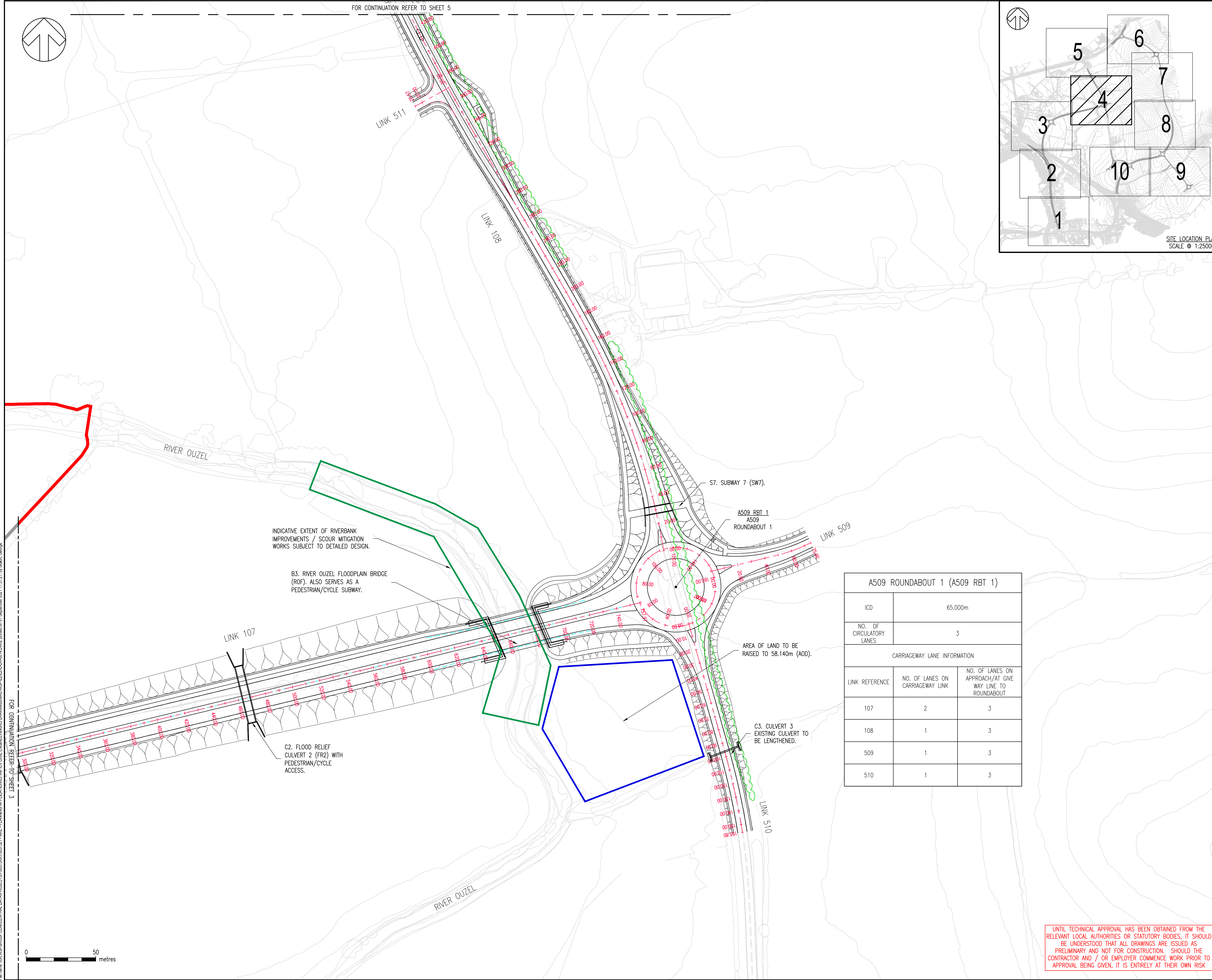


FOR CONTINUATION REFER TO SHEET 2





FOR CONTINUATION REFER TO SHEET 5



- NOTES:**
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- KEY:**
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 - MILTON KEYNES COUNCIL HIGHWAY BOUNDARY
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 - PROPOSED NOISE FENCE
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 - PROPOSED VEHICLE RESTRAINT SYSTEM (VRS)

REV	DATE	BY	DESCRIPTION	CHK	APP
P06	08/09/2021	GLG	KEYPLAN UPDATED	APP	SAP
P05	13/08/2021	GLG	NOTE REMOVED	APP	SAP
P04	09/07/2021	DB	NOISE BARRIER REMOVED	APP	SAP
P03	26/03/2021	GLG	MINOR AMENDMENTS FOR PLANNING	APP	SAP
P02	12/03/2021	GLG	ISSUED FOR PLANNING	APP	SAP
P01	15/01/2021	OPL	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: **GENERAL ARRANGEMENT FOR PLANNING SHEET 4**

SCALE @ A1:	CHECKED:	APPROVED:	
1:1250	ARP	SAP	
PROJECT NO:	DESIGNED:	DRAWN:	DATE:
70057521	ARP	GLG	August 21

DRAWING NO: **MKE-WSP-ZZ-ZZ-C-DR-0014** REV: **P06**

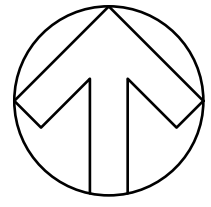
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A509 ROUNDABOUT 1 (A509 RBT 1)		
ICD	65.000m	
NO. OF CIRCULATORY LANES	3	
CARRIAGEWAY LANE INFORMATION		
LINK REFERENCE	NO. OF LANES ON CARRIAGEWAY LINK	NO. OF LANES ON APPROACH/AT GIVE WAY LINE TO ROUNDABOUT
107	2	3
108	1	3
509	1	3
510	1	3

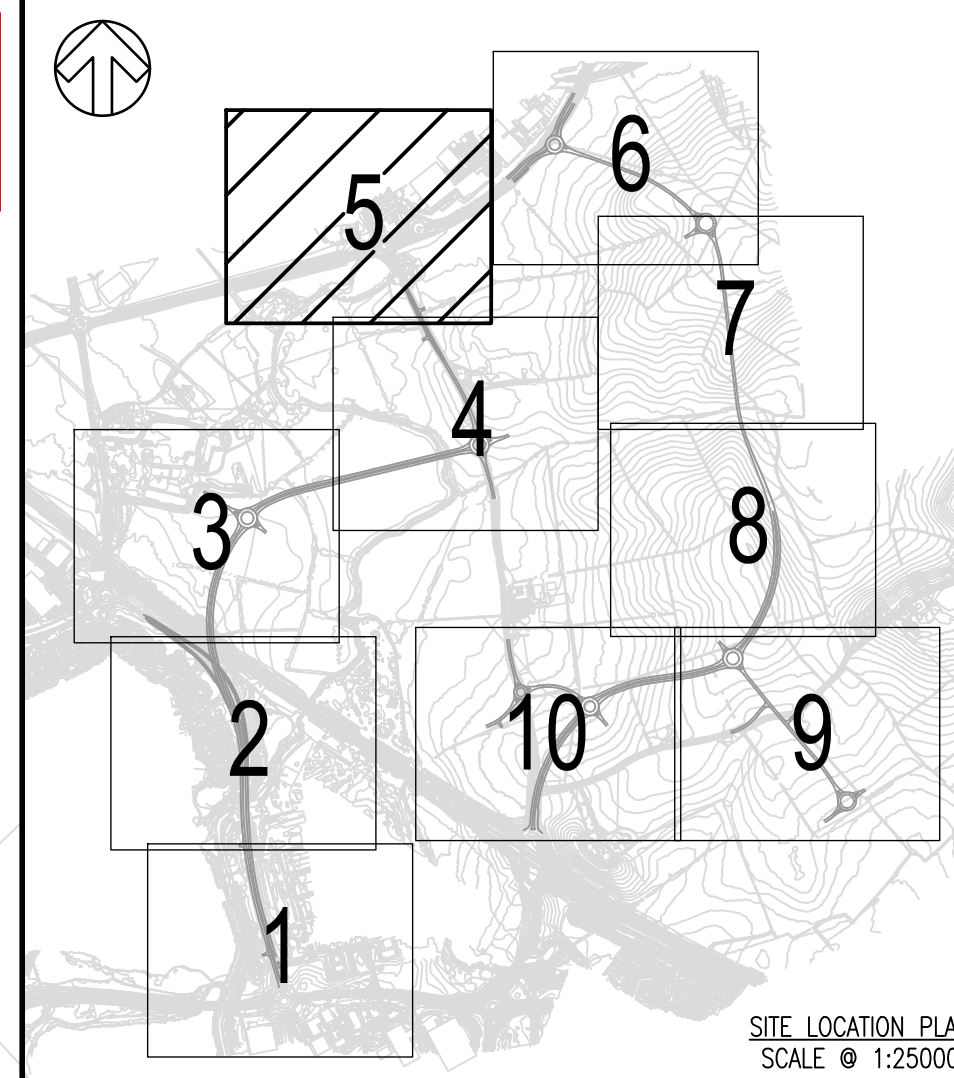
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File name: I:\UK\WSP\GROUP\CENTRAL DATA\PROJECTS\05\05\0007002\0521 - MKE - PLANNING APPLICATIONS\WSP\DRAWINGS\MKE\WSP-ZZ-C-DR-0014.DWG, printed on 01 September 2021 11:31:21, by Galen, George





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- NOTES:
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 - TOPOGRAPHICAL INFORMATION PROVIDED BY MK SURVEYS FILE - "28562" ON THE 11/06/2020 AND 3D ENGINEERING SURVEYS FILE - "DES21007_MKE_REV1" ON THE 22/02/2021. WSP CAN NOT ACCEPT RESPONSIBILITY FOR ANY INACCURACIES.
 - ALL REDWAYS DESIGNED IN ACCORDANCE WITH LTN 2/08.
 - EARTHWORKS SHOWN OUTSIDE THE TRANSPORTATION CORRIDOR SHALL BE REVIEWED DURING DETAILED DESIGN STAGE WITH A VIEW TO EITHER LOCALLY STEEPEN OR ADJUSTING EXISTING GROUND LEVELS SO THAT ALL WORKS ARE LOCATED WITHIN THE CORRIDOR.

- KEY:
- GENERAL
- PLANNING APPLICATION BOUNDARY
 - HIGHWAYS ENGLAND HIGHWAY BOUNDARY
 - MILTON KEYNES COUNCIL HIGHWAY BOUNDARY
 - PROPOSED TRANSPORTATION CORRIDOR
 - LAND SAFEGUARDED FOR FUTURE TRANSPORTATION CORRIDOR
 - PROPOSED NOISE FENCE
 - EXISTING TREES AND VEGETATION WITHIN EXISTING HIGHWAY BOUNDARY IMPACTED BY THE PROPOSED WORKS (OTHER EXISTING TREES OUTSIDE THE EXISTING HIGHWAY BOUNDARY MAY BE AFFECTED AND FORM OF NOISE BARRIER TO BE DETERMINED DURING DETAILED DESIGN)
 - PROPOSED VEHICLE RESTRAINT SYSTEM (VRS)

REV	DATE	BY	DESCRIPTION	CHK	APP
P06	08/09/2021	GLG	KEYPLAN UPDATED	APP	SAP
P05	13/08/2021	OPL	NOTE REMOVED	APP	SAP
P04	09/07/2021	DB	NOISE BARRIER REMOVED	APP	SAP
P03	26/03/2021	GLG	MINOR AMENDMENTS FOR PLANNING	APP	SAP
P02	12/03/2021	GLG	UPDATED FOR PLANNING SUBMISSION	APP	SAP
P01	15/01/2021	OPL	FIRST ISSUE	APP	SAP

DRAWING STATUS: **S4 - FOR APPROVAL**

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CLIENT: **BERKELEY ST JAMES**

ARCHITECT: **JTP / STEPHEN GEORGE AND PARTNERS**

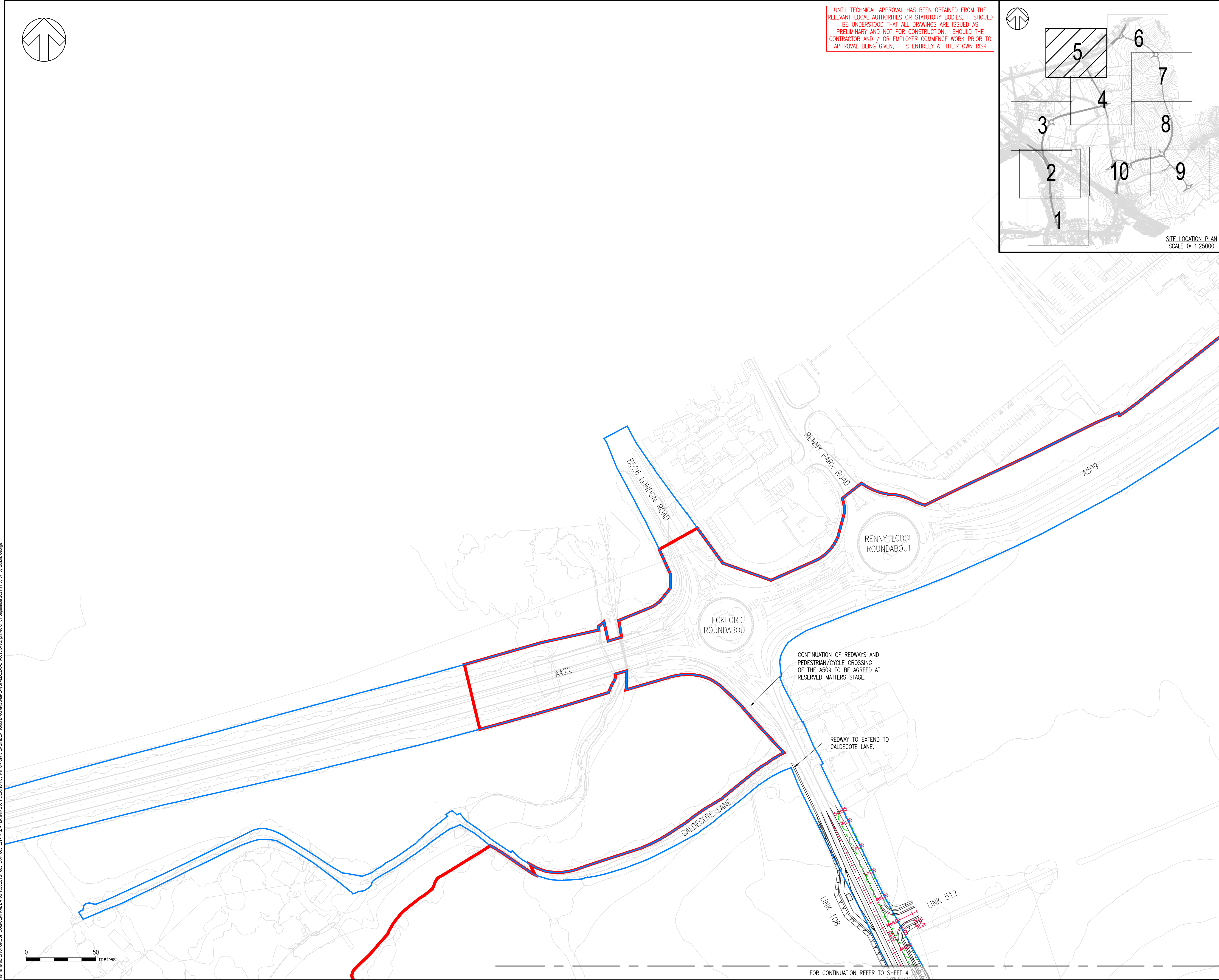
SITE/PROJECT: **MILTON KEYNES EAST**

TITLE: **GENERAL ARRANGEMENT FOR PLANNING SHEET 5**

SCALE @ A1:	CHECKED:	APPROVED:	
1:1250	ARP	SAP	
PROJECT NO:	DESIGNED:	DRAWN:	DATE:
70057521	ARP	GLG	August 21

DRAWING NO: **MKE-WSP-ZZ-ZZ-C-DR-0015** REV: **P06**

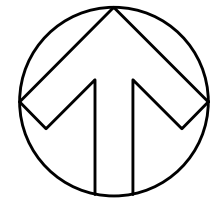
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File name: \\UK.VSPGROUP.COM\CENTRAL_DATA\PROJECTS\70057521\MKE - PLANNING APPLICATIONS\WPCY CIVIL ENGINEERING\DRAWINGS\MKE-WSP-ZZ-ZZ-C-DR-0015.DWG, printed on 01 September 2021 11:38:57 by Galen George

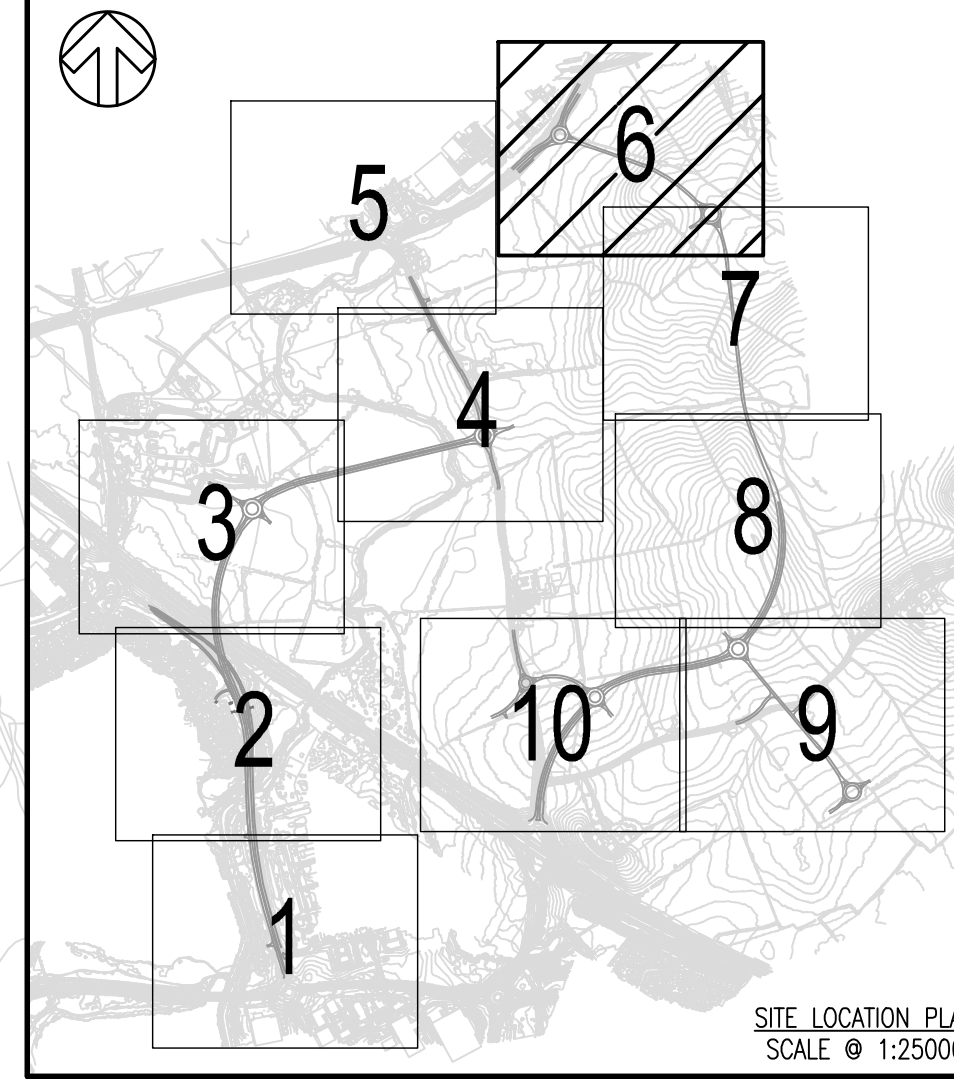


FOR CONTINUATION REFER TO SHEET 4



EASTERN LINK ROUNDABOUT 4 (EL RBT 4)		
ICD	60.000m	
NO. OF CIRCULATORY LANES	3	
CARRIAGEWAY LANE INFORMATION		
LINK REFERENCE	NO. OF LANES ON CARRIAGEWAY LINK	NO. OF LANES ON APPROACH/AT GIVE WAY LINE TO ROUNDABOUT
104	1	3
A509 APPROACH HEADING WEST	1	3
A509 APPROACH HEADING EAST	1	3

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



- NOTES:
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EASTERN LINK ROUNDABOUT 3 (EL RBT 3)		
ICD	65.000m	
NO. OF CIRCULATORY LANES	2	
CARRIAGEWAY LANE INFORMATION		
LINK REFERENCE	NO. OF LANES ON CARRIAGEWAY LINK	NO. OF LANES ON APPROACH/AT GIVE WAY LINE TO ROUNDABOUT
103	1	2
104	1	2
505	1	2

- KEY:
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 - PROPOSED VEHICLE RESTRAINT SYSTEM (VRS)

POS	DATE	BY	DESCRIPTION	CHK	APP
P05	27/08/2021	GLG	KEYPLAN UPDATED	ARP	SAP
P04	09/07/2021	DB	EASTERN LINK ROUNDABOUT 3 REALIGNED	ARP	SAP
P03	26/03/2021	GLG	MINOR AMENDMENTS FOR PLANNING	ARP	SAP
P02	12/03/2021	GLG	ISSUED FOR PLANNING	ARP	SAP
P01	15/01/2021	OPL	FIRST ISSUE	ARP	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**

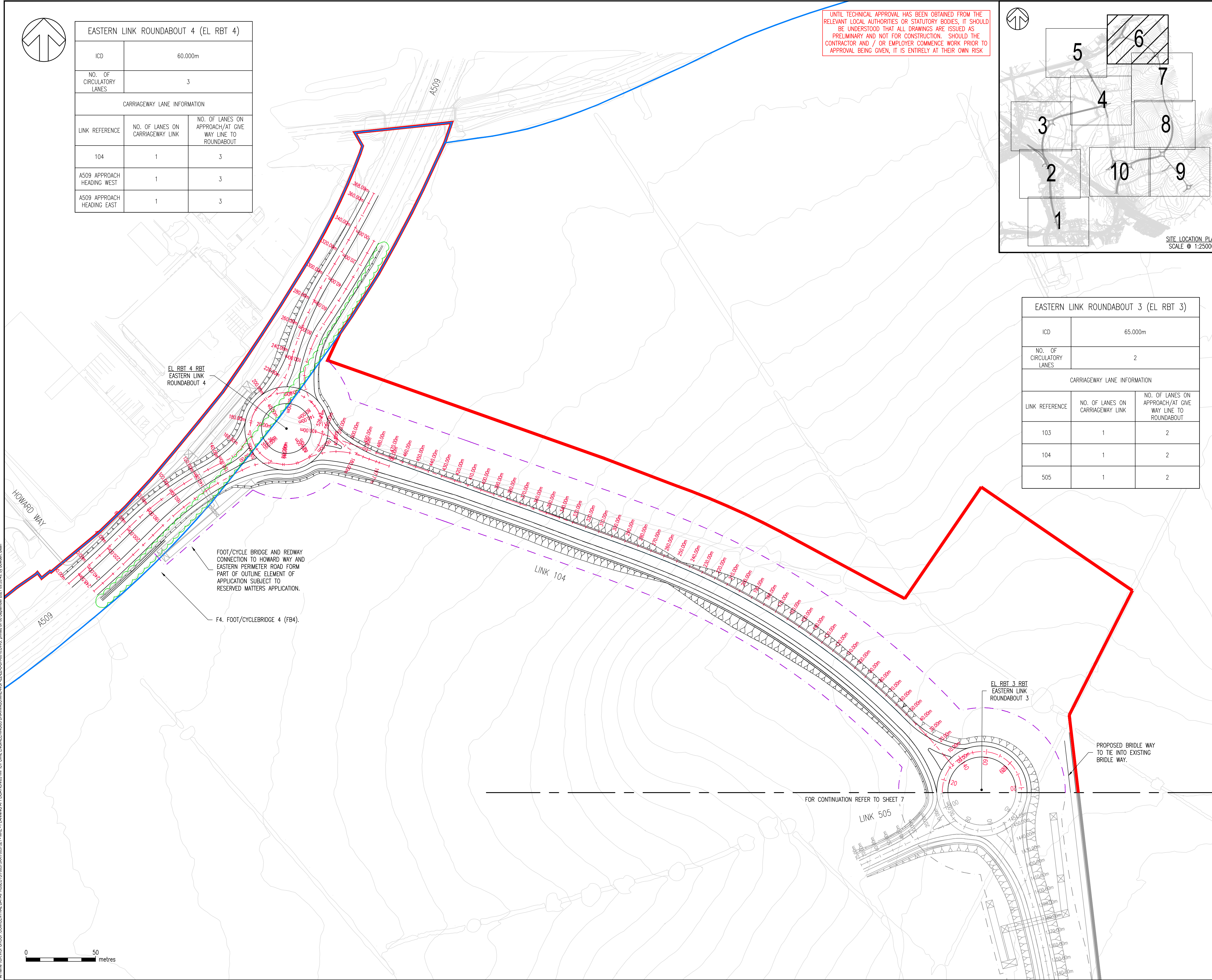
TITLE: **GENERAL ARRANGEMENT FOR PLANNING SHEET 6**

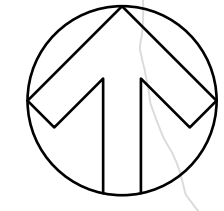
SCALE @ A1:	CHECKED:	APPROVED:	
1:1250	ARP	SAP	
PROJECT NO:	DESIGNED:	DRAWN:	DATE:
70057521	ARP	GLG	August 21

DRAWING NO:	REV:
MKE-WSP-ZZ-ZZ-C-DR-0016	P05

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FOR CONTINUATION REFER TO SHEET 6

LINK 505

FOOT/CYCLE BRIDGE FORMS PART OF OUTLINE ELEMENT OF APPLICATION SUBJECT TO RESERVED MATTERS APPLICATION.

F3. FOOT/CYCLE BRIDGE 3 (FBR).

BRIDLE WAY TIES INTO EXISTING BRIDLE WAY.

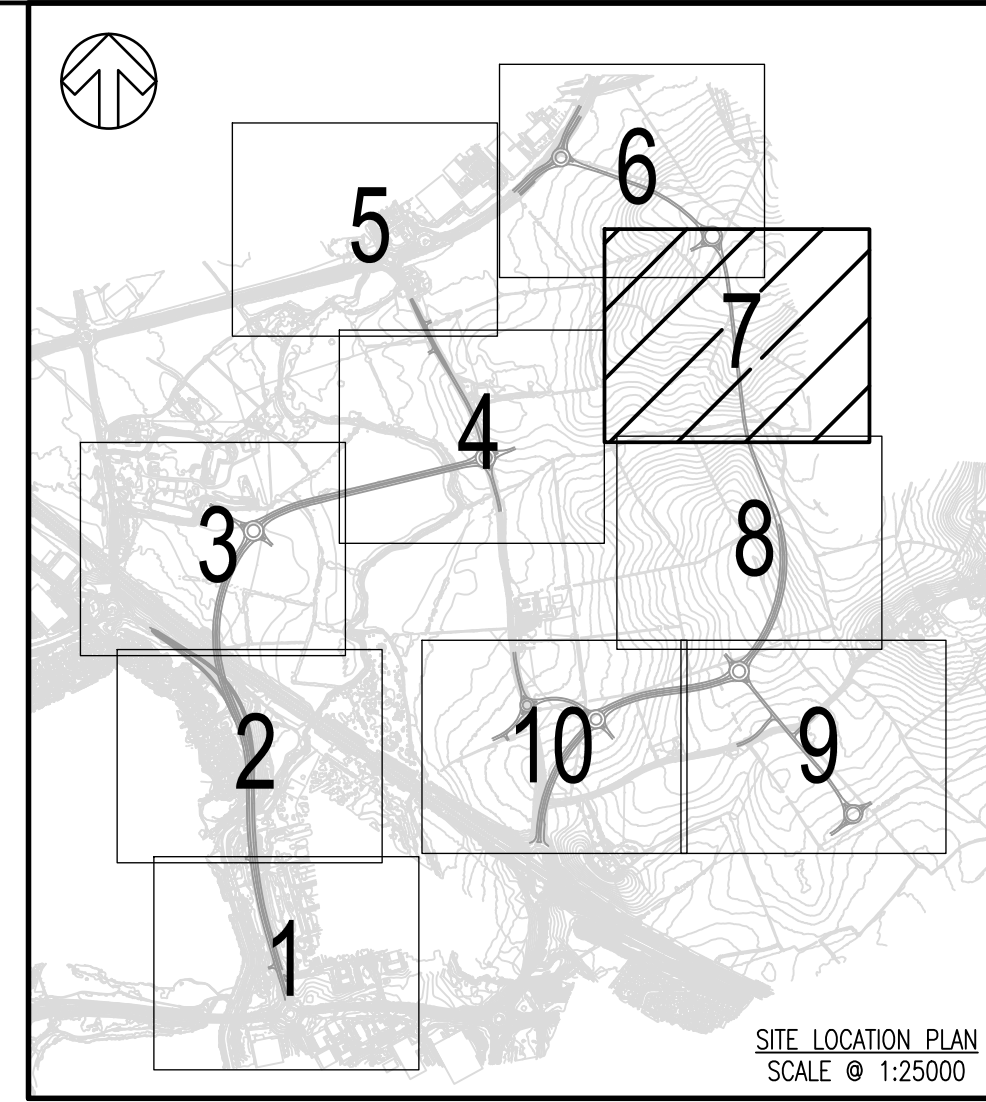
LINK 103

B4. MULSOE STREAM BRIDGE (MSB). ALSO SERVES AS AN EQUESTRIAN SUBWAY.

INDICATIVE BRIDLE WAY LOCATION. THIS IS TO BE CONFIRMED DURING RESERVED MATTERS APPLICATION.

BRIDLE WAY TIES INTO EXISTING BRIDLE WAY.

FOR CONTINUATION REFER TO SHEET 8



SITE LOCATION PLAN SCALE @ 1:25000

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POS	DATE	BY	DESCRIPTION	CHK	APP
P05	08/09/2021	GLG	KEYPLAN UPDATED	WSP	SAP
P04	09/07/2021	DB	EASTERN LINK ROUNDABOUT 3 REALIGNED	WSP	SAP
P03	26/03/2021	GLG	MINOR AMENDMENTS FOR PLANNING	WSP	SAP
P02	12/03/2021	GLG	ISSUED FOR PLANNING	WSP	SAP
P01	15/01/2021	OPL	FIRST ISSUE	WSP	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

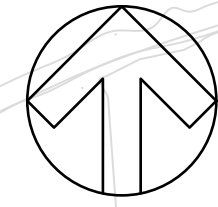
TITLE: GENERAL ARRANGEMENT FOR PLANNING SHEET 7

SCALE @ A1:	CHECKED:	APPROVED:	
1:1250	ARP	SAP	
PROJECT NO:	DESIGNED:	DRAWN:	DATE:
70057521	ARP	GLG	August 21

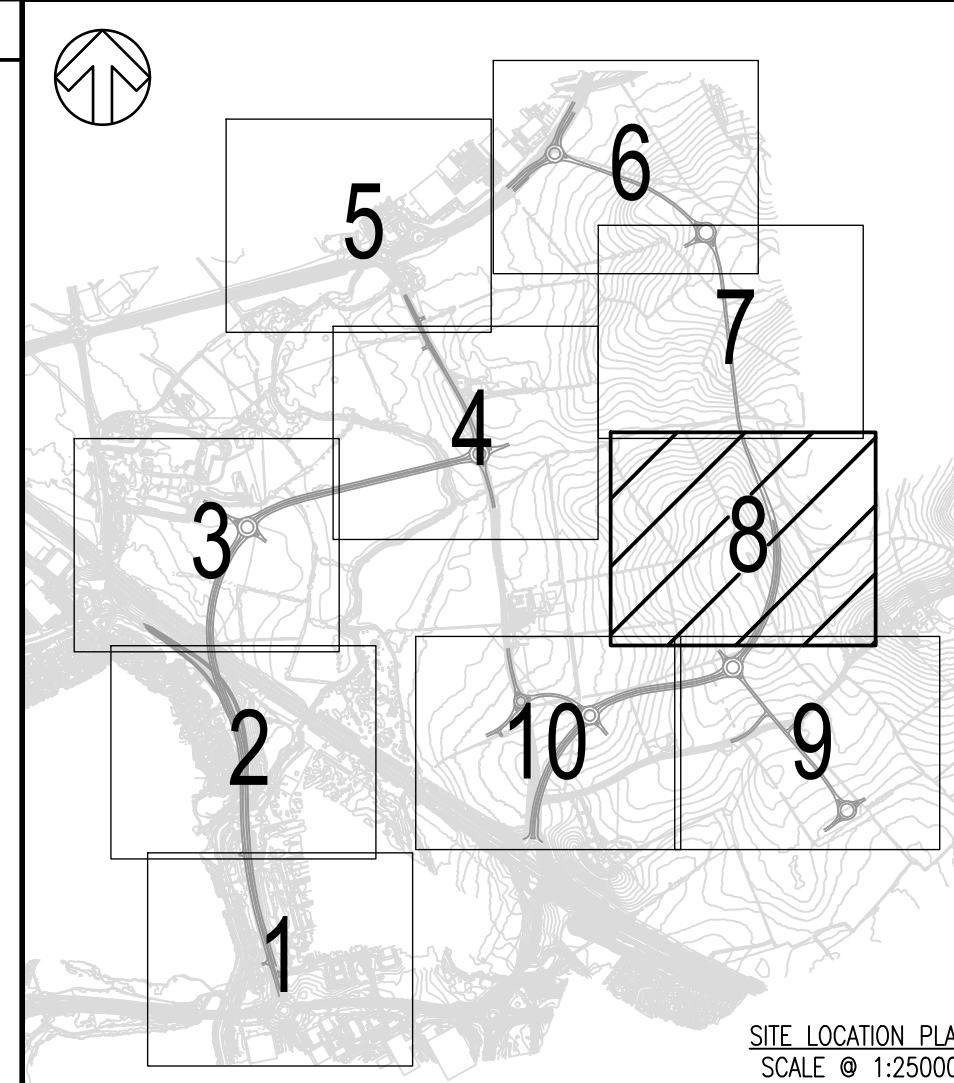
DRAWING NO: MKE-WSP-ZZ-ZZ-CR-0017 REV: P05

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File name: I:\UK\WSP\GROUP\COM\CENTRAL DATA\PROJECTS\70057521\MKE - PLANNING APPLICATIONS\WPCO CIVIL ENGINEERING\DRAWINGS\MKE-WSP-ZZ-ZZ-CR-0017.DWG, printed on 01 September 2021 11:48:48 by Galen George



FOR CONTINUATION REFER TO SHEET 7



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POS	DATE	BY	DESCRIPTION	CHK	APP
P05	08/09/2021	GLG	KEYPLAN UPDATED	ARP	SAP
P04	09/07/2021	DB	NOISE BARRIER REMOVED	ARP	SAP
P03	26/03/2021	GLG	MINOR AMENDMENTS FOR PLANNING	ARP	SAP
P02	12/03/2021	OPL	ISSUED FOR PLANNING	ARP	SAP
P01	15/01/2021	OPL	FIRST ISSUE	ARP	SAP
REV	DATE	BY	DESCRIPTION	CHK	APP

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: GENERAL ARRANGEMENT FOR PLANNING SHEET 8

SCALE @ A1: 1:1250	CHECKED: ARP	APPROVED: SAP
PROJECT NO: 70057521	DESIGNED: ARP	DRAWN: GLG
		DATE: March 21

DRAWING NO: MKE-WSP-ZZ-ZZ-C-DR-0018 REV: P05

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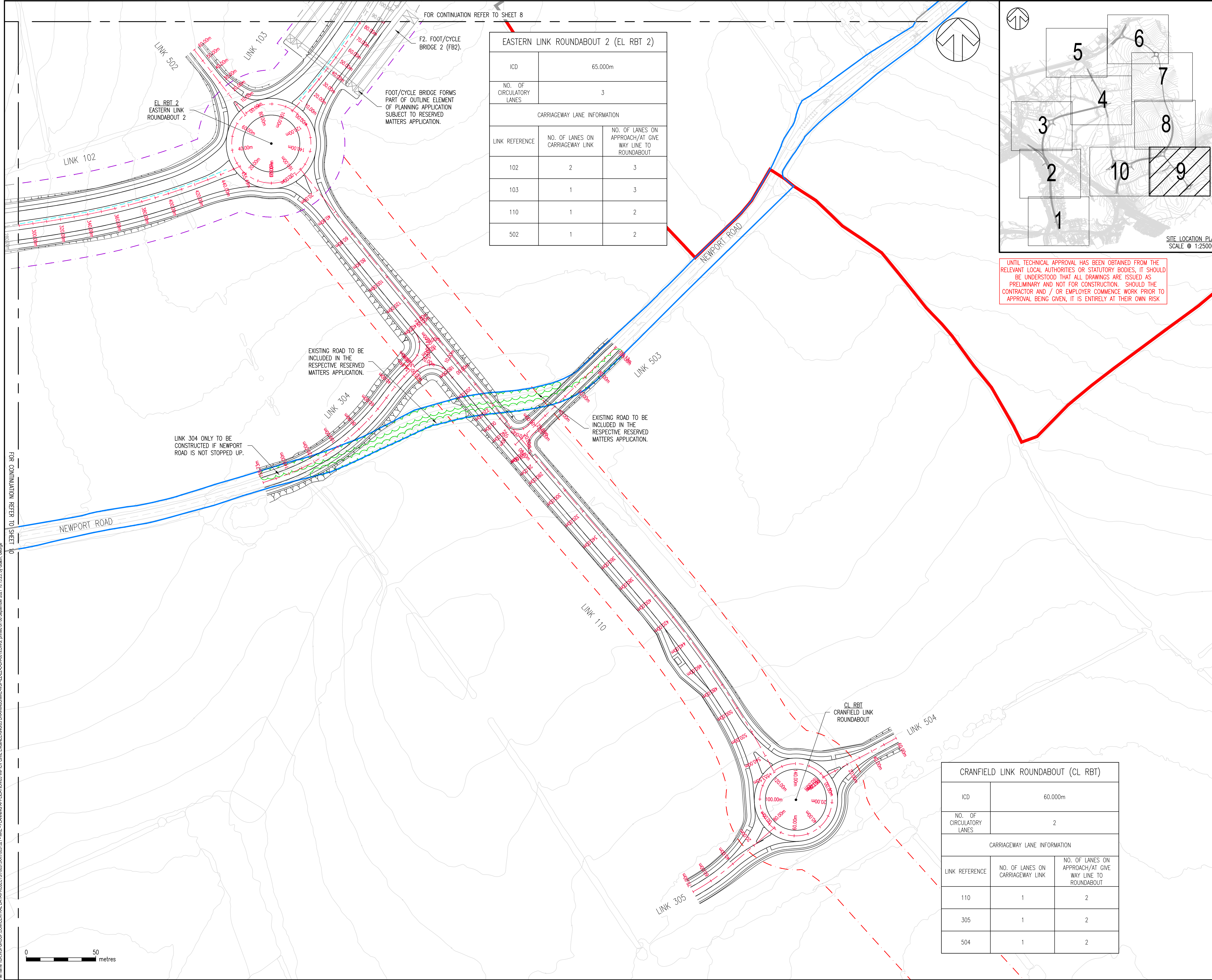
FOOT/CYCLE BRIDGE FORMS PART OF OUTLINE ELEMENT OF PLANNING APPLICATION SUBJECT TO RESERVED MATTERS APPLICATION.

F2. FOOT/CYCLE BRIDGE 2 (FB2).

FOOTPATH TO TIE INTO EXISTING BRIDLE WAY AND BE DELIVERED AS PART OF RESERVED MATTERS APPLICATION.



FOR CONTINUATION REFER TO SHEET 9



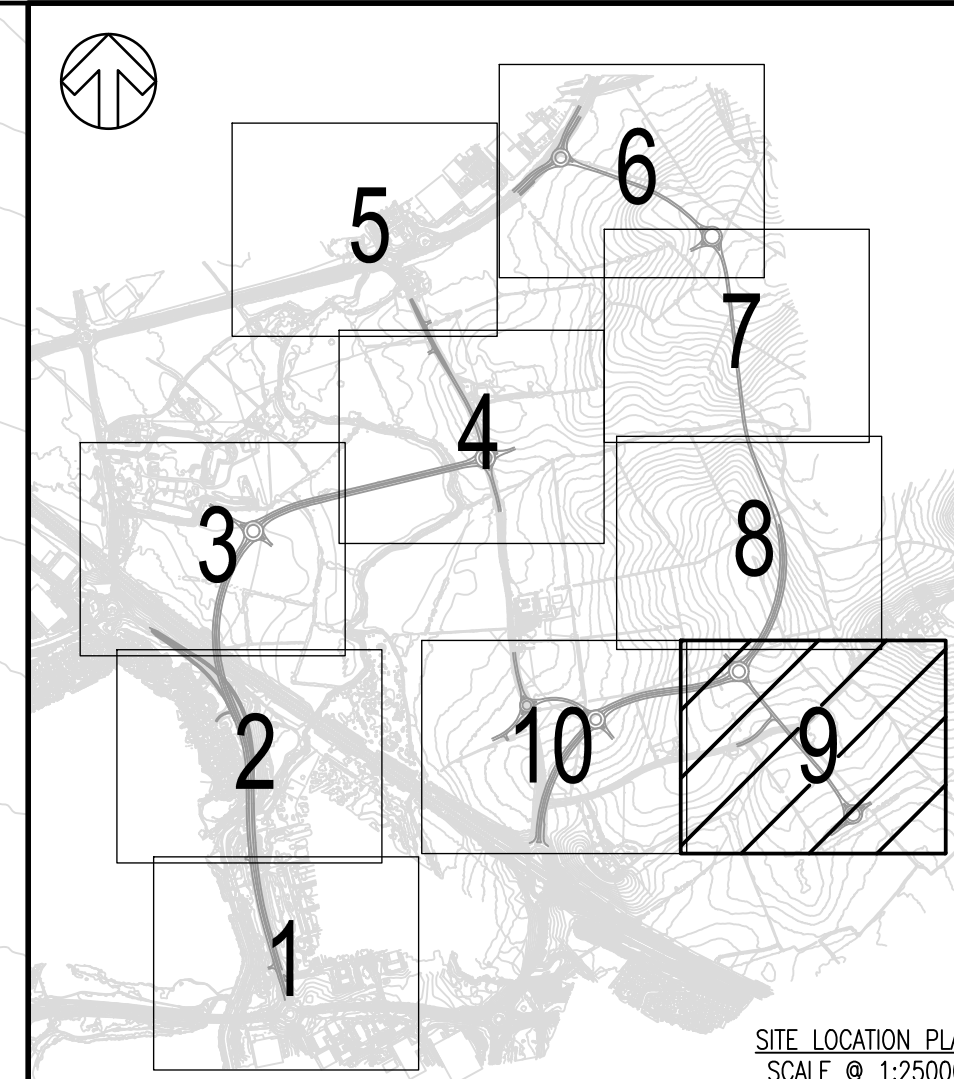
FOR CONTINUATION REFER TO SHEET 8

F2. FOOT/CYCLE BRIDGE 2 (FB2).

FOOT/CYCLE BRIDGE FORMS PART OF OUTLINE ELEMENT OF PLANNING APPLICATION SUBJECT TO RESERVED MATTERS APPLICATION.

EASTERN LINK ROUNDABOUT 2 (EL RBT 2)		
ICD	65.000m	
NO. OF CIRCULATORY LANES	3	
CARRIAGEWAY LANE INFORMATION		
LINK REFERENCE	NO. OF LANES ON CARRIAGEWAY LINK	NO. OF LANES ON APPROACH/AT GIVE WAY LINE TO ROUNDABOUT
102	2	3
103	1	3
110	1	2
502	1	2

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REV	DATE	BY	DESCRIPTION	CHK	APP
P06	08/09/2021	GLG	KEYPLAN UPDATED	ARP	SAP
P05	13/08/2021	DB	NOTE REMOVED	ARP	SAP
P04	09/07/2021	DB	NOISE BARRIER REMOVED	ARP	SAP
P03	26/03/2021	GLG	MINOR AMENDMENTS FOR PLANNING	ARP	SAP
P02	12/03/2021	OPL	ISSUED FOR PLANNING	ARP	SAP
P01	15/01/2021	OPL	FIRST ISSUE	ARP	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: GENERAL ARRANGEMENT FOR PLANNING SHEET 9

SCALE @ AT:	CHECKED:	APPROVED:	
1:1250	ARP	SAP	
PROJECT NO:	DESIGNED:	DRAWN:	DATE:
70057521	ARP	GLG	January 21

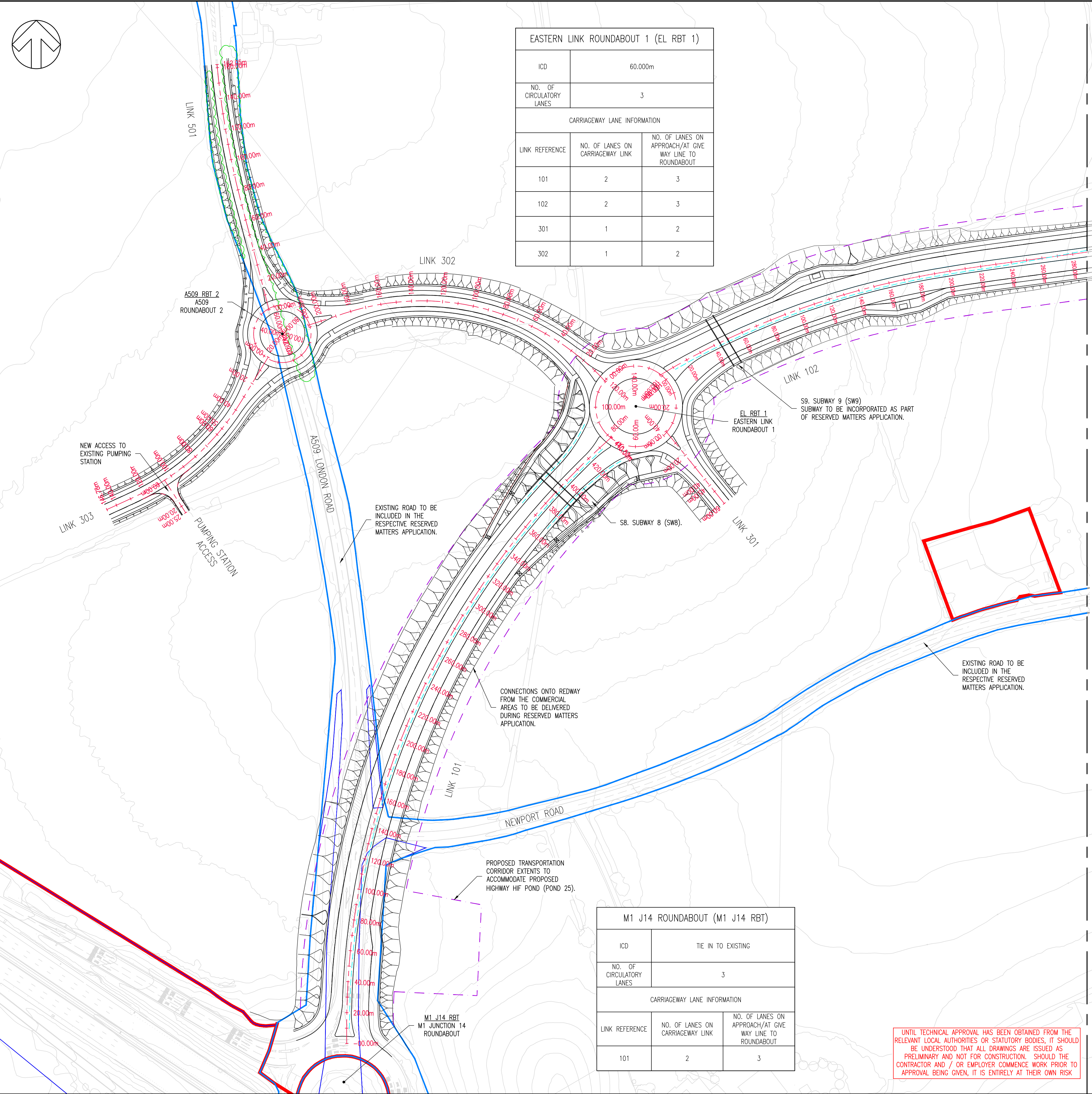
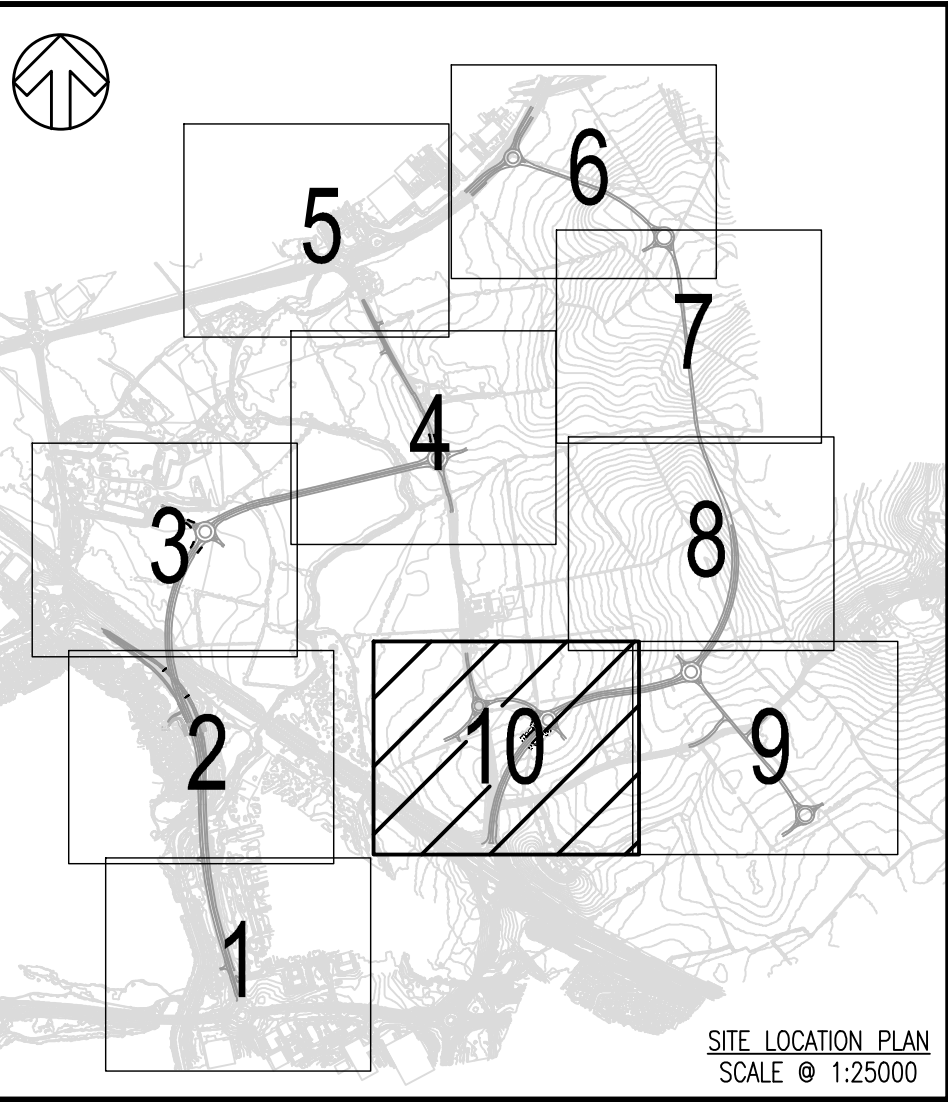
DRAWING NO: MKE-WSP-ZZ-ZZ-C-DR-0019 REV: P06

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FOR CONTINUATION REFER TO SHEET 10

CRANFIELD LINK ROUNDABOUT (CL RBT)		
ICD	60.000m	
NO. OF CIRCULATORY LANES	2	
CARRIAGEWAY LANE INFORMATION		
LINK REFERENCE	NO. OF LANES ON CARRIAGEWAY LINK	NO. OF LANES ON APPROACH/AT GIVE WAY LINE TO ROUNDABOUT
110	1	2
305	1	2
504	1	2

File name: I:\UK\WSPGROUP\COMCENTRAL\DATA\PROJECTS\70057521\MKE - PLANNING APPLICATIONS\WSP CIVIL ENGINEERING\DRAWINGS\MKE-WSP-ZZ-ZZ-C-DR-0019.DWG, printed on 08 September 2021 10:15:26, by Galen George



EASTERN LINK ROUNDABOUT 1 (EL RBT 1)		
ICD	60.000m	
NO. OF CIRCULATORY LANES	3	
CARRIAGEWAY LANE INFORMATION		
LINK REFERENCE	NO. OF LANES ON CARRIAGEWAY LINK	NO. OF LANES ON APPROACH/AT GIVE WAY LINE TO ROUNDABOUT
101	2	3
102	2	3
301	1	2
302	1	2

M1 J14 ROUNDABOUT (M1 J14 RBT)		
ICD	TIE IN TO EXISTING	
NO. OF CIRCULATORY LANES	3	
CARRIAGEWAY LANE INFORMATION		
LINK REFERENCE	NO. OF LANES ON CARRIAGEWAY LINK	NO. OF LANES ON APPROACH/AT GIVE WAY LINE TO ROUNDABOUT
101	2	3

- NOTES:
- DRAWINGS ARE PREPARED TO SUPPORT DETAILED ELEMENT OF HYBRID PLANNING APPLICATION FOR THE STRATEGIC HIGHWAY INFRASTRUCTURE ASSOCIATED WITH MILTON KEYNES EAST (MKE) DEVELOPMENT.
 - ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE STATED.
 - THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH ALL RELEVANT DOCUMENTATION, DRAWINGS AND STANDARD DETAILS.
 - THIS DRAWING IS NOT TO BE REPRODUCED IN ANY PART OF FORM WITHOUT PRIOR CONSENT FROM WSP UK LIMITED. ALL COPYRIGHT RESERVED.
 - CONFLICTING INFORMATION SHOWN ON THE ENGINEER'S DRAWINGS OR DISCREPANCIES BETWEEN THE INFORMATION GIVEN BY THE ENGINEER AND THAT PROVIDED BY OTHERS MUST BE REFERRED TO THE ENGINEER BEFORE THE WORKS COMMENCE.
 - THE LIGHTING PROPOSALS SHOWN ARE SUBJECT TO CHANGE FOLLOWING FURTHER DESIGN DEVELOPMENT CONSIDERING SENSITIVE ENVIRONMENTAL CONSTRAINTS AND APPROVAL REQUIREMENTS FROM THE LOCAL AUTHORITY.
 - THE MILTON KEYNES HIGHWAY MAPPING IS TAKEN FROM INTERACTIVE HIGHWAY BOUNDARY MAPPING FOUND ON THE MILTON KEYNES COUNCIL'S WEBSITE.
 - TOPOGRAPHICAL INFORMATION PROVIDED BY MK SURVEYS FILE - "28562" ON THE 11/06/2020 AND 3D ENGINEERING SURVEYS FILE - "DES21007_MKE_REV1" ON THE 22/02/2021. WSP CAN NOT ACCEPT RESPONSIBILITY FOR ANY INACCURACIES.
 - ALL REDWAYS DESIGNED IN ACCORDANCE WITH LTN 2/08.
 - EARTHWORKS SHOWN OUTSIDE THE TRANSPORTATION CORRIDOR SHALL BE REVIEWED DURING DETAILED DESIGN STAGE WITH A VIEW TO EITHER LOCALLY STEEPEN OR ADJUSTING EXISTING GROUND LEVELS SO THAT ALL WORKS ARE LOCATED WITHIN THE CORRIDOR.

- KEY:
- GENERAL**
- PLANNING APPLICATION BOUNDARY
 - HIGHWAYS ENGLAND HIGHWAY BOUNDARY
 - MILTON KEYNES COUNCIL HIGHWAY BOUNDARY
 - PROPOSED TRANSPORTATION CORRIDOR
 - LAND SAFEGUARDED FOR FUTURE TRANSPORTATION CORRIDOR
 - PROPOSED NOISE FENCE
 - EXISTING TREES AND VEGETATION WITHIN EXISTING HIGHWAY BOUNDARY IMPACTED BY THE PROPOSED WORKS (OTHER EXISTING TREES OUTSIDE THE EXISTING HIGHWAY BOUNDARY MAY BE AFFECTED AND FORM OF NOISE BARRIER TO BE DETERMINED DURING DETAILED DESIGN)
 - PROPOSED VEHICLE RESTRAINT SYSTEM (VRS)

REV	DATE	BY	DESCRIPTION	CHK	APP
P06	08/09/2021	GLG	KEYPLAN UPDATED	ARP	SAP
P05	13/08/2021	DB	LINK 302 AMENDED	ARP	SAP
P04	09/07/2021	DB	NOISE BARRIER REMOVED	ARP	SAP
P03	26/03/2021	GLG	MINOR AMENDMENTS FOR PLANNING	ARP	SAP
P02	12/03/2021	OPL	ISSUED FOR PLANNING	ARP	SAP
P01	15/01/2021	OPL	FIRST ISSUE	ARP	SAP

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: **GENERAL ARRANGEMENT FOR PLANNING SHEET 10**

SCALE @ A1:	CHECKED:	APPROVED:
1:1250	ARP	SAP
PROJECT NO:	DESIGNED:	DRAWN:
70057521	ARP	GLG
DATE:	March 21	

DRAWING NO: **MKE-WSP-ZZ-ZZ-CR-0020** REV: **P06**

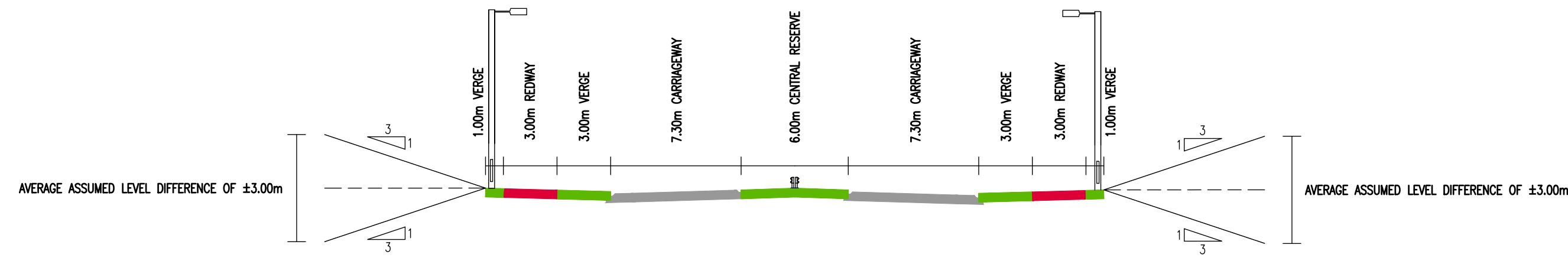
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UNTIL TECHNICAL APPROVAL HAS BEEN OBTAINED FROM THE RELEVANT LOCAL AUTHORITIES OR STATUTORY BODIES, IT SHOULD BE UNDERSTOOD THAT ALL DRAWINGS ARE ISSUED AS PRELIMINARY AND NOT FOR CONSTRUCTION. SHOULD THE CONTRACTOR AND / OR EMPLOYER COMMENCE WORK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

File name: I:\UK\WSP\GROUP\COM\CENTRAL DATA\PROJECTS\10053\000\002\021 - MKE - PLANNING APPLICATIONS\DRAWINGS\MKE-WSP-ZZ-ZZ-CR-0020\DWG_P06.dwg, printed on 08 September 2021 14:07:15, by Bowen, Dain



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.

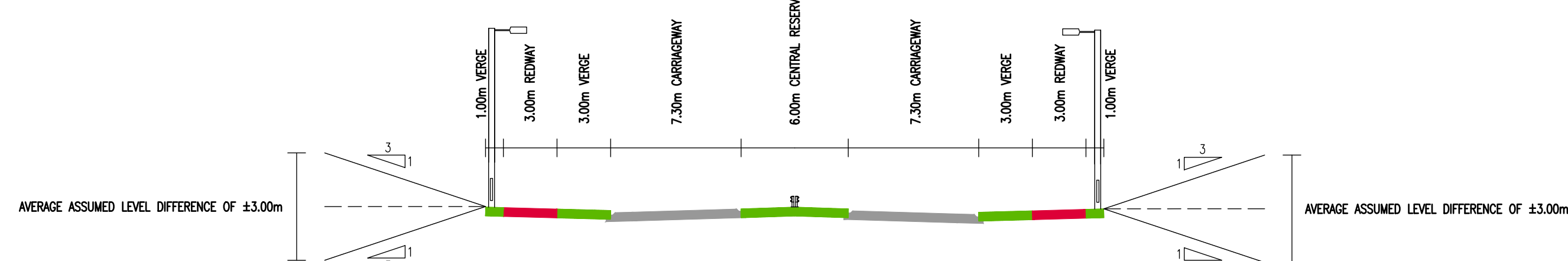
REDWAY / FOOTWAY CONSTRUCTION		
LAYER	THICKNESS	DESCRIPTION
SURFACE COURSE	25mm	REDWAY – AC6 RED TO CL.909 MKCA FOOTWAY – AC6 TO CL.909
BINDER COURSE	50mm	REDWAY – AC20 TO CL.929 FOOTWAY – AC20 TO CL.929
BASECOURSE	70mm	REDWAY – AC32 TO CL.929 FOOTWAY – AC32 TO CL.929
SUB-BASE	300mm 150mm	REDWAY – GRANULAR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

- 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 – DUAL CARRIAGEWAY (35.6m EXCLUDING EARTHWORKS)
DESIGNED IN ACCORDANCE WITH DESIGN MANUAL FOR ROADS AND BRIDGES (DMRB)



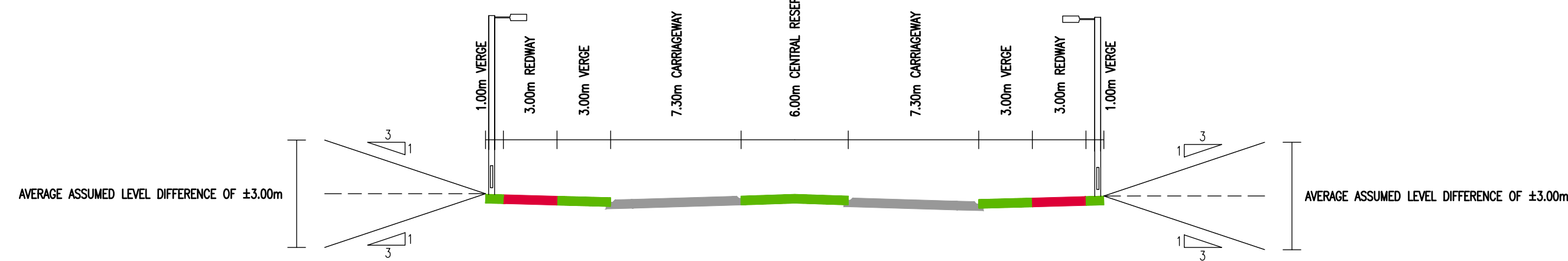
APPLIES TO:
LINK 102 (LINK D)

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)



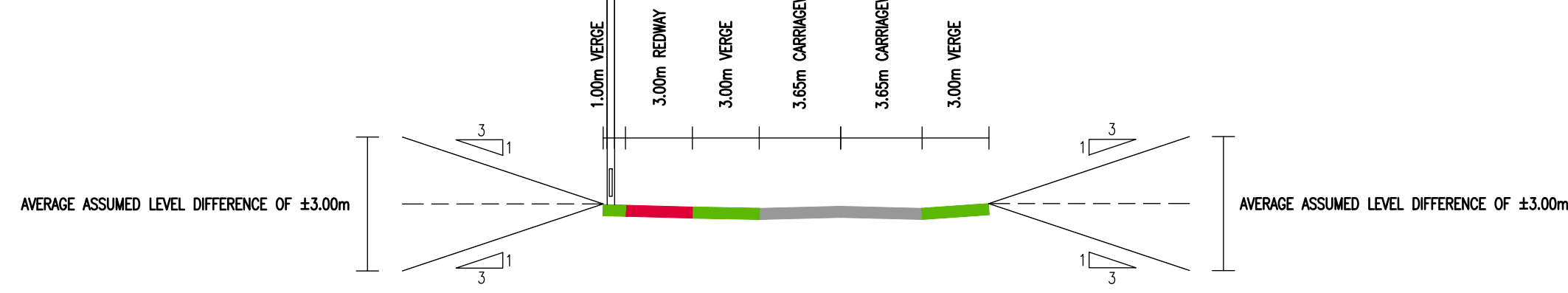
APPLIES TO:
LINK 103 DUAL CARRIAGEWAY SECTION (LINK B)

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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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 1 OF 4

SCALE @ A1: 1:250

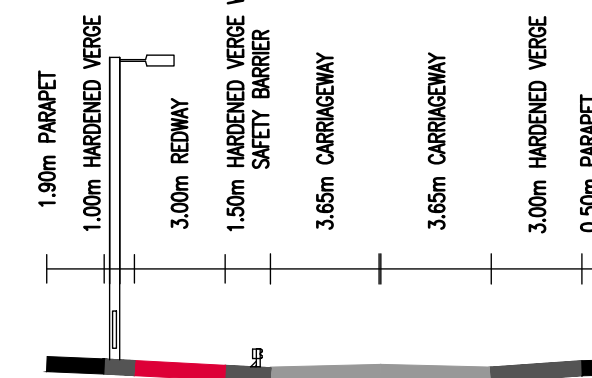
CHECKED: ARP APPROVED: SAP

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)



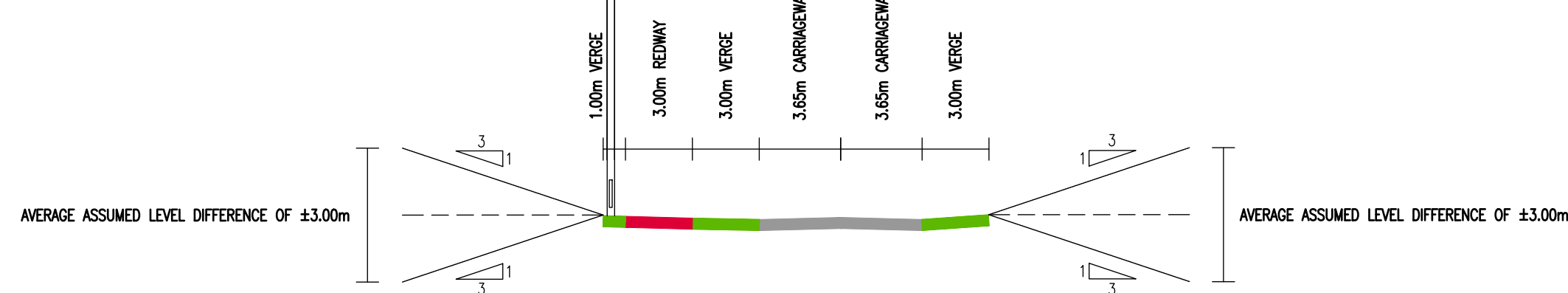
APPLIES TO:
LINK 103 (LINK B) STRUCTURE B4, STREAM BRIDGE (WSB)

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



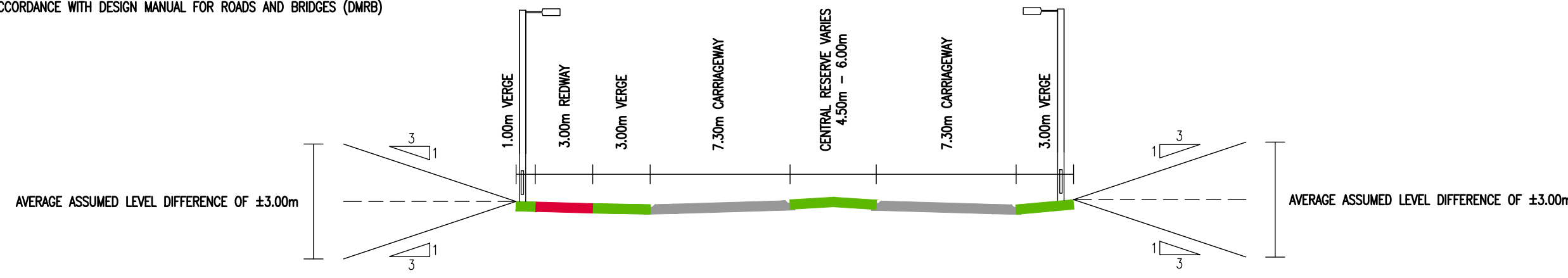
APPLIES TO:
LINK 104 (LINK F)

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

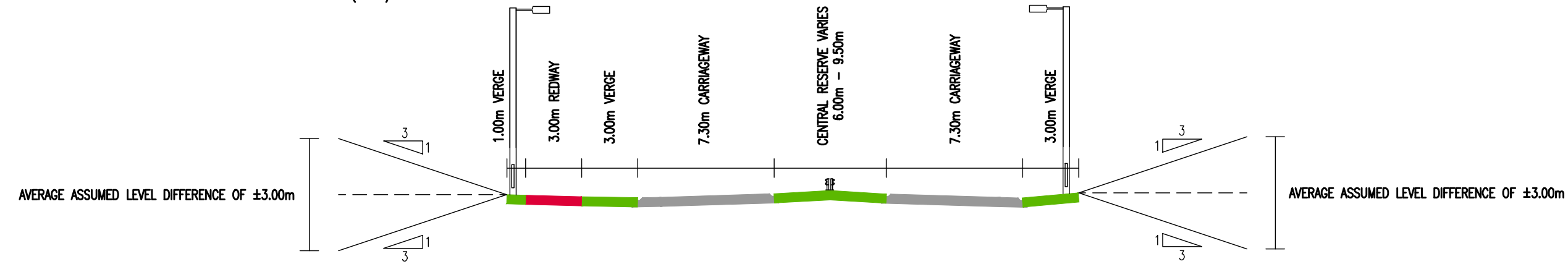
CORRIDOR WIDTH ALONG TONGWELL STREET TO BE CONFIRMED.

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

ROAD TYPE 1 – PRIMARY DISTRIBUTOR – DUAL CARRIAGEWAY (VARIES BETWEEN 30.6m – 34.1m EXCLUDING EARTHWORKS)
TONGWELL STREET TRANSITION
DESIGNED IN ACCORDANCE WITH DESIGN MANUAL FOR ROADS AND BRIDGES (DMRB)



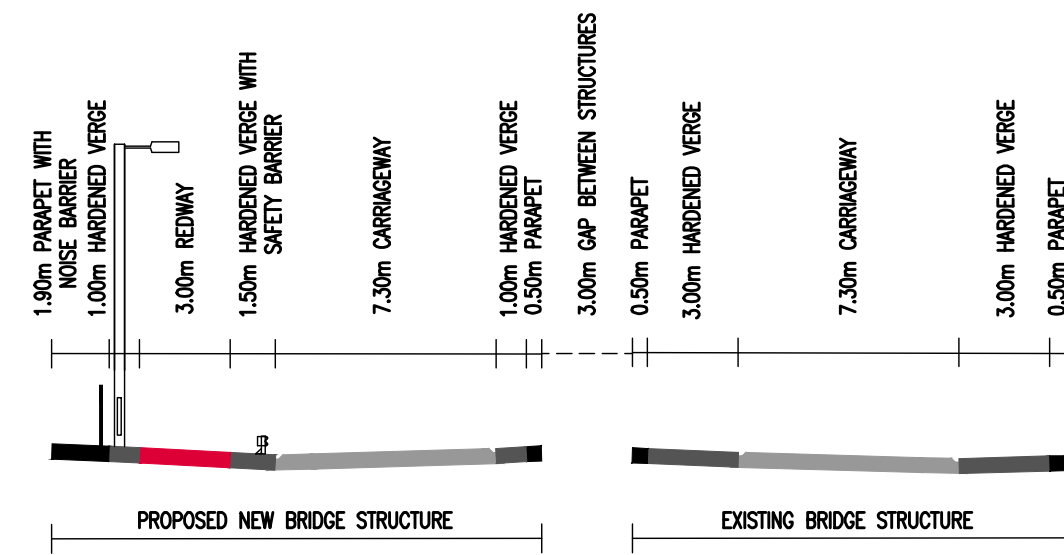
APPLIES TO:
LINK 105 (TONGWELL STREET)
TRANSITION IN ADVANCE OF PROPOSED AND EXISTING BRIDGE STRUCTURES
LIGHTING (INDICATIVE DETAILS)
• 10m – 12m LIGHTING COLUMN HEIGHTS – OPPOSITE ARRANGEMENT
• LIGHTING CLASS M2 (EQUIVALENT 20 LUX AVERAGE & 0.4 UNIFORMITY)
• LUMINAIRE HOLOPHANE V-MAX 3000K LED
• LUMINAIRE 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

- 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.

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

ROAD TYPE 1 – PRIMARY DISTRIBUTOR – DUAL CARRIAGEWAY (16.2m PROPOSED BRIDGE WIDTH)
EXISTING AND PROPOSED NEW BRIDGE STRUCTURES ACROSS TONGWELL STREET
DESIGNED IN ACCORDANCE WITH DESIGN MANUAL FOR ROADS AND BRIDGES (DMRB)

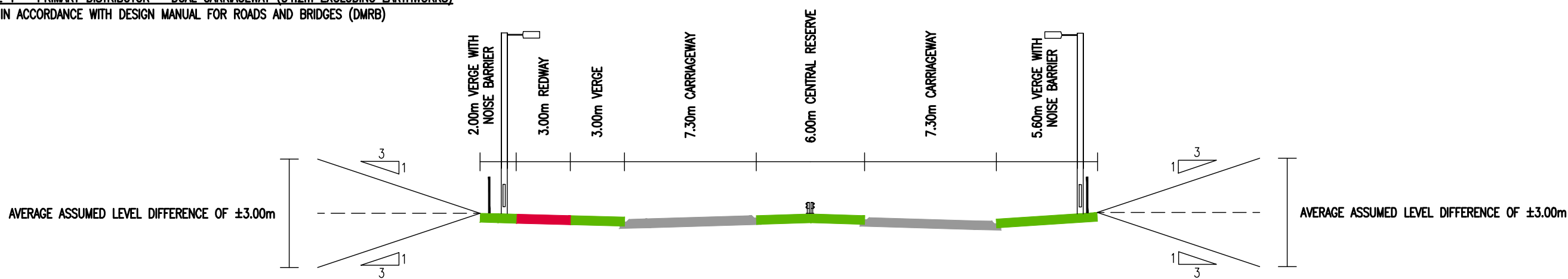


APPLIES TO:
LINK 105 STRUCTURE B1 (TONGWELL STREET NORTHBOUND)
TRANSITION IN ADVANCE OF PROPOSED AND EXISTING BRIDGE STRUCTURES
NOISE BARRIER HEIGHT TO BE DETERMINED DURING DETAILED DESIGN
LIGHTING (INDICATIVE DETAILS)
• 10m – 12m LIGHTING COLUMN HEIGHTS – SINGLE-SIDED ARRANGEMENT
• LIGHTING CLASS M2 (EQUIVALENT 20 LUX AVERAGE & 0.4 UNIFORMITY)
• LUMINAIRE HOLOPHANE V-MAX 3000K LED
• LUMINAIRE 0° TILT – NO DIRECT UPWARD LIGHT
• RETENTION OF EXISTING BRIDGE STRUCTURE LIGHTING TO BE REVIEWED.

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

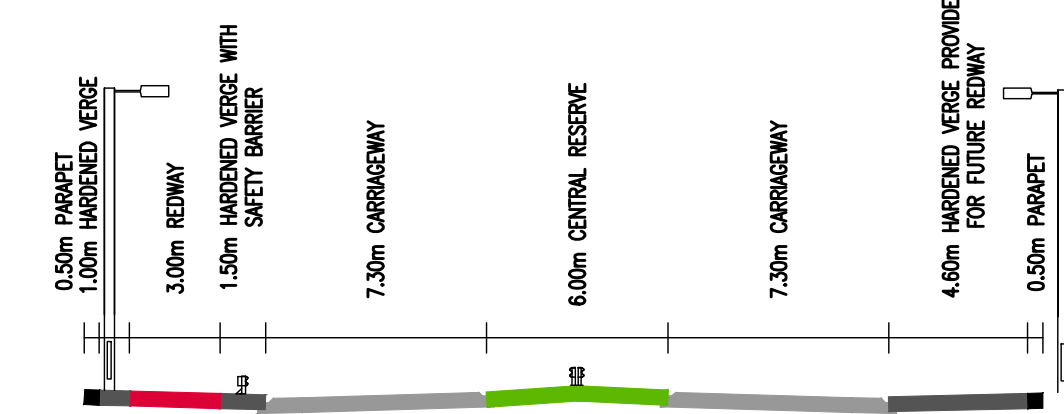
* NOTE: BASED ON AN ASSUMED CBR VALUE OF 2.5% – SUBJECT TO DETAILED DESIGN AND APPROVAL FROM THE LOCAL AUTHORITY.

ROAD TYPE 1 – PRIMARY DISTRIBUTOR – DUAL CARRIAGEWAY (34.2m EXCLUDING EARTHWORKS)
DESIGNED IN ACCORDANCE WITH DESIGN MANUAL FOR ROADS AND BRIDGES (DMRB)



APPLIES TO:
LINK 106 (LINK 1)
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 0° TILT – NO DIRECT UPWARD LIGHT

ROAD TYPE 1 – PRIMARY DISTRIBUTOR – DUAL CARRIAGEWAY (31.7m)
DESIGNED IN ACCORDANCE WITH DESIGN MANUAL FOR ROADS AND BRIDGES (DMRB)



APPLIES TO:
LINK 106 (LINK 1) STRUCTURE B2 M1 MILTON KEYNES EAST BRIDGE (M18)
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 0° TILT – NO DIRECT UPWARD LIGHT
• LIGHTING TO BE LOCATED OUTSIDE OF PARAPET WHERE NOT PROTECTED BY SAFETY BARRIER (FIXING DETAIL TO BE CONFIRMED)

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	ARP	SAP
P05	09/07/2021	GLG	NOISE BARRIER REMOVED, ADDITIONAL LINK 107 ADDED	ARP	SAP
P04	26/03/2021	GLG	MINOR AMENDMENTS FOR PLANNING	ARP	SAP
P03	12/03/2021	GLG	ISSUED FOR PLANNING	ARP	SAP
P02	14/01/2021	OPL	SECTIONS UPDATED FOLLOWING COMMENTS FROM MKC	ARP	SAP
P01	20/11/2020	GLG	FIRST ISSUE	ARP	SAP

DRAWING STATUS: S4 - FOR APPROVAL

Mountbatten House, Basing View, Basingstoke, RG21 4HJ, UK
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wsp.com

CLIENT: BERKELEY ST JAMES

ARCHITECT: JTP / STEPHEN GEORGE AND PARTNERS

SITE/PROJECT: MILTON KEYNES EAST

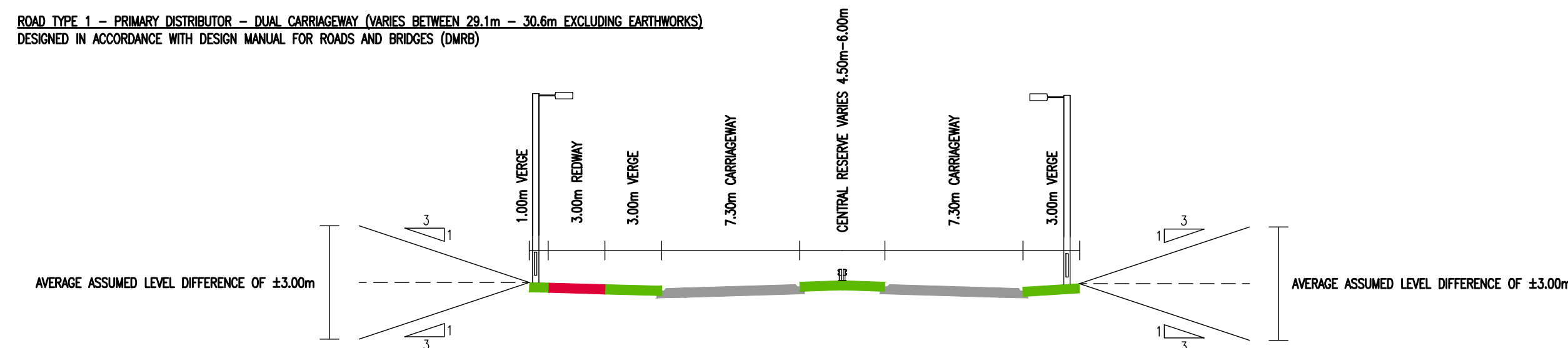
TITLE: GEOMETRY DETAILS OF INDICATIVE ROAD CROSS SECTIONS SHEET 2 OF 4

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

DRAWING NO: MKE-WSP-ZZ-ZZ-C-SK-0102 REV: P06

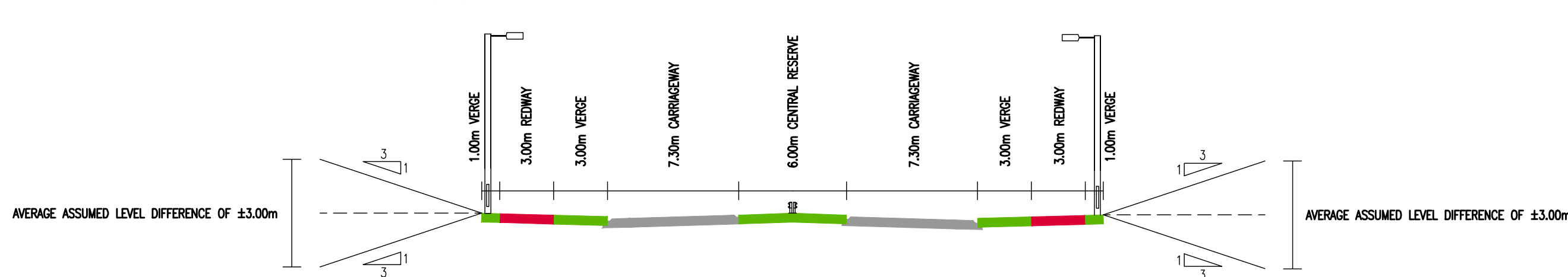
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ROAD TYPE 1 – PRIMARY DISTRIBUTOR – DUAL CARRIAGEWAY (VARIES BETWEEN 29.1m – 30.6m EXCLUDING EARTHWORKS)
DESIGNED IN ACCORDANCE WITH DESIGN MANUAL FOR ROADS AND BRIDGES (DMRB)



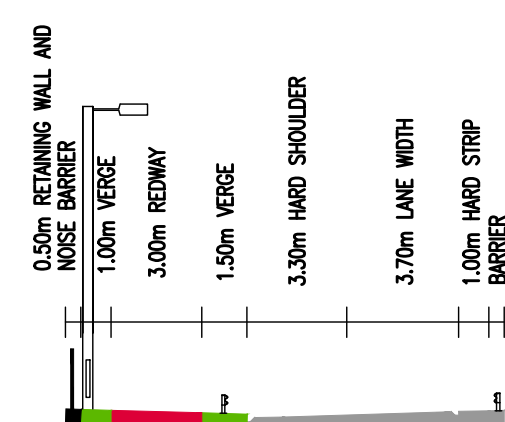
APPLIES TO:
LINK 107 (LINK U)
LIGHTING (INDICATIVE DETAILS)
• 10m LIGHTING COLUMN HEIGHTS – SINGLE-SIDED ARRANGEMENT (8m HEIGHTS TO BE CONSIDERED WHERE APPROPRIATE)
• LIGHTING CLASS M3 (EQUIVALENT 15 LUX AVERAGE & 0.4 UNIFORMITY)
• LUMINAIRE HOLOPHANE V-MAX 3000K LED
• LUMINAIRE 0° TILT – NO DIRECT UPWARD LIGHT

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 107 (LINK U)
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

NORTHBOUND CARRIAGEWAY (14.5m EXCLUDING EARTHWORKS)
DESIGNED IN ACCORDANCE WITH DESIGN MANUAL FOR ROADS AND BRIDGES (DMRB)



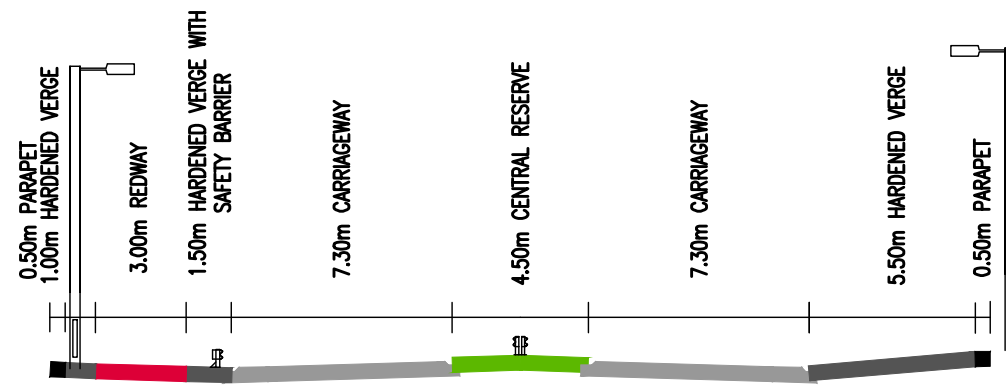
APPLIES TO:
NORTHBOUND CARRIAGEWAY
LIGHTING (INDICATIVE DETAILS)
• 10m LIGHTING COLUMN HEIGHTS – SINGLE-SIDED ARRANGEMENT (8m HEIGHTS TO BE CONSIDERED WHERE APPROPRIATE)
• LIGHTING CLASS M3 (EQUIVALENT 15 LUX AVERAGE & 0.4 UNIFORMITY)
• LUMINAIRE HOLOPHANE V-MAX 3000K LED
• LUMINAIRE 0° TILT – NO DIRECT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

SOUTHBOUND CARRIAGEWAY (10.8m EXCLUDING EARTHWORKS)
DESIGNED IN ACCORDANCE WITH DESIGN MANUAL FOR ROADS AND BRIDGES (DMRB)



APPLIES TO:
SOUTHBOUND CARRIAGEWAY
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

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

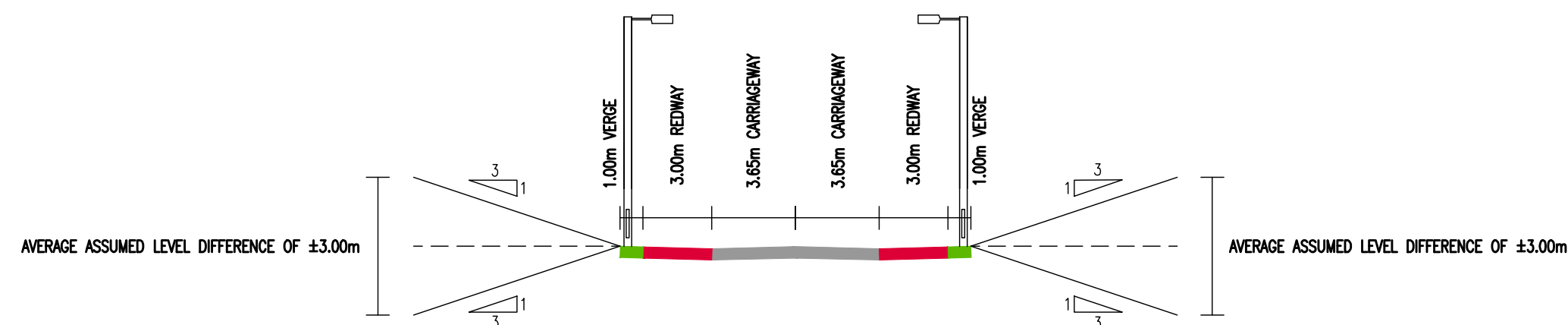
NO CORRIDOR WIDTH SAFEGUARDED DUE TO BRIDGE EARTHWORKS AND VADUCT STRUCTURES. THEREFORE, ONLY THE PHYSICAL INFRASTRUCTURE SHOWN IN THE SECTION TO BE PROVIDED.

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)



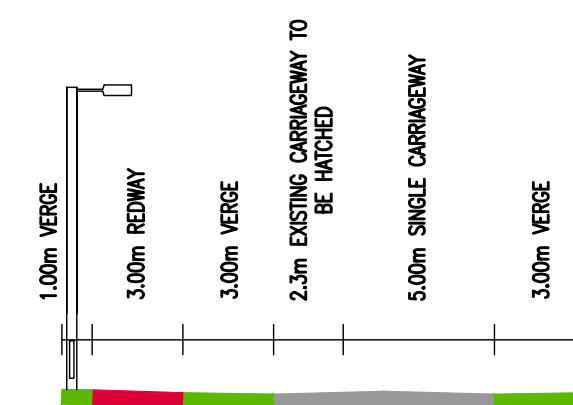
APPLIES TO:
LINK 108 (EXISTING A509)

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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T+ 44 (0) 1256 318 800, F+ 44 (0) 1256 318 700
wsp.com

CLIENT: BERKELEY ST JAMES

ARCHITECT: JTP / STEPHEN GEORGE AND PARTNERS

SITE/PROJECT: MILTON KEYNES EAST

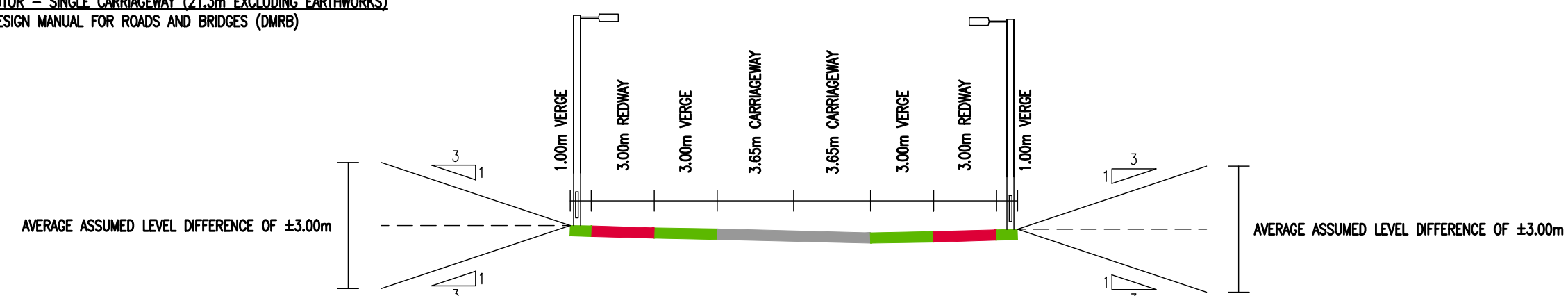
TITLE: GEOMETRY DETAILS OF INDICATIVE ROAD CROSS SECTIONS SHEET 3 OF 4

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)



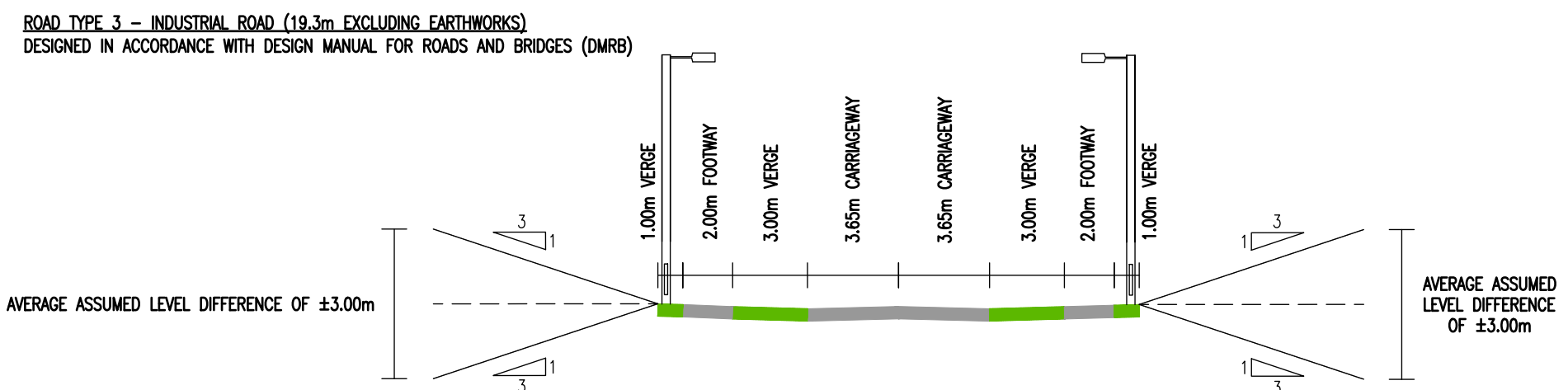
APPLIES TO:
LINK 110 (LINK B1)

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.

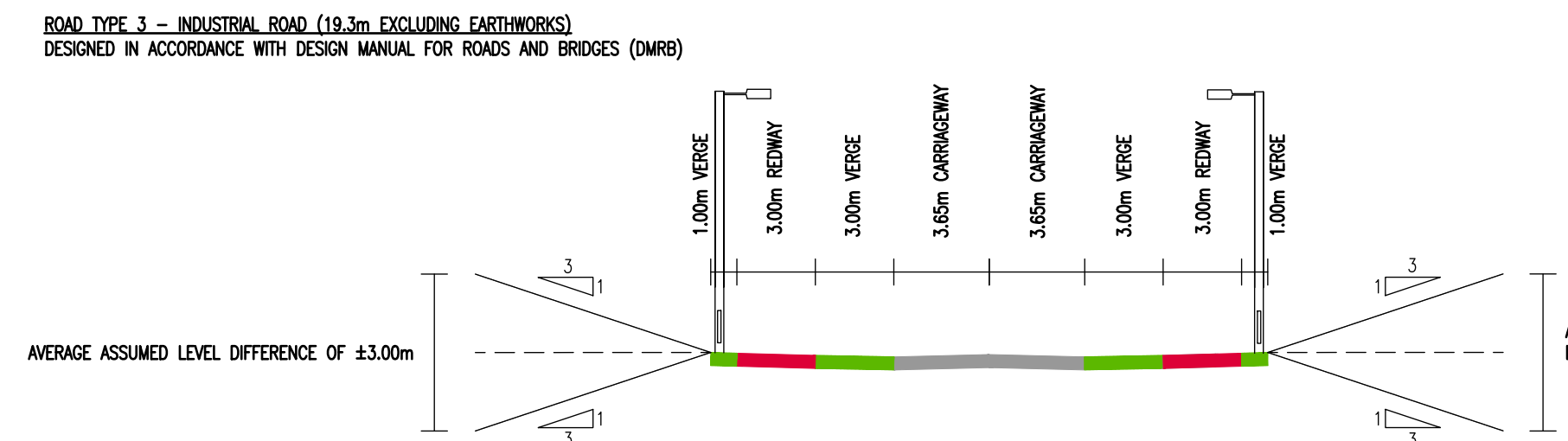


APPLIES TO:
LINK 301 (LINK S)
LINK 303
LINK 304
LINK 305

NO CORRIDOR WIDTH TO BE SAFEGUARDED.

LIGHTING (INDICATIVE DETAILS)

- 8m TO 10m LIGHTING COLUMN HEIGHTS – OPPOSITE OR STAGGERED ARRANGEMENT
- LIGHTING CLASS M4 (EQUIVALENT TO LUX AVERAGE & 0.4 UNIFORMITY)
- LUMINAIRE HOLOPHANE V-MAX 3000K LED
- LUMINAIRE σ TILT – NO DIRECT UPWARD LIGHT



APPLIES TO:
LINK 302 (LINK A1)

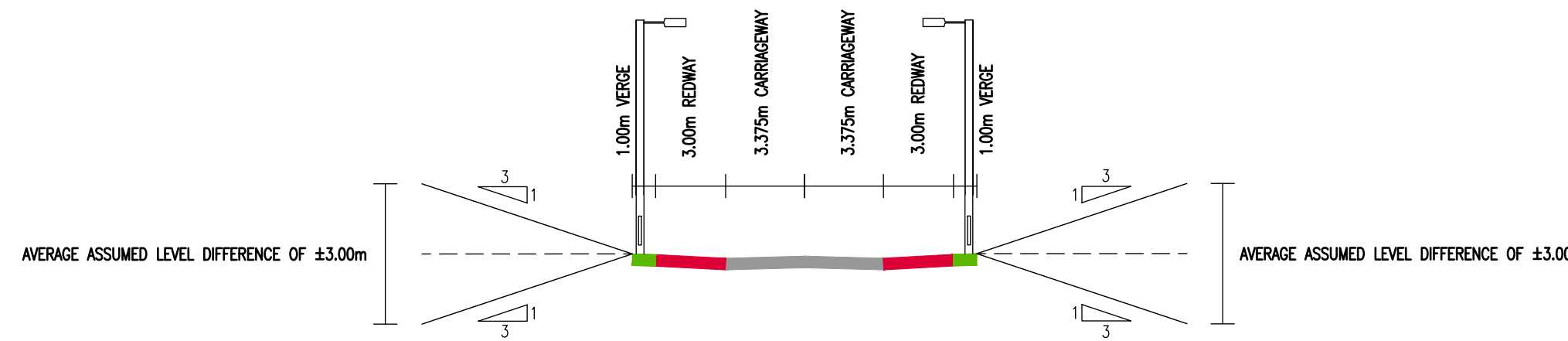
NO CORRIDOR WIDTH TO BE SAFEGUARDED.

LIGHTING (INDICATIVE DETAILS)

- 8m TO 10m LIGHTING COLUMN HEIGHTS – OPPOSITE OR STAGGERED ARRANGEMENT
- LIGHTING CLASS M4 (EQUIVALENT TO LUX AVERAGE & 0.4 UNIFORMITY)
- LUMINAIRE HOLOPHANE V-MAX 3000K LED
- LUMINAIRE σ TILT – NO DIRECT UPWARD LIGHT

- 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 5 – LOCAL DISTRIBUTOR (14.8m EXCLUDING EARTHWORKS)
DESIGNED IN ACCORDANCE WITH DESIGN MANUAL FOR ROADS AND BRIDGES (DMRB)



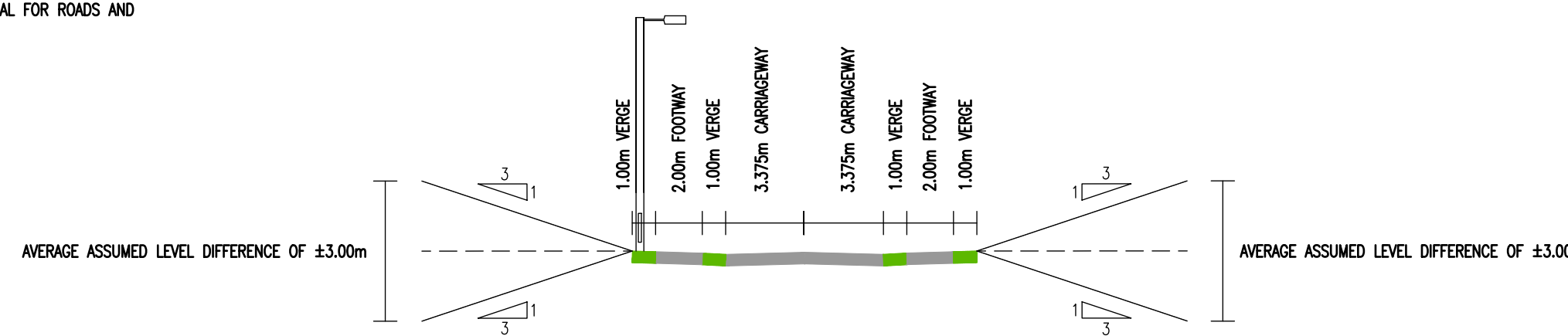
APPLIES TO:
LINK 501 (LINK N)
LINK 510

NO CORRIDOR WIDTH TO BE SAFEGUARDED.

LIGHTING (INDICATIVE DETAILS)

- 8m TO 10m LIGHTING COLUMN HEIGHTS – SINGLE-SIDED OR STAGGERED ARRANGEMENT
- LIGHTING CLASS M4 (EQUIVALENT TO LUX AVERAGE & 0.4 UNIFORMITY)
- LUMINAIRE HOLOPHANE V-MAX 3000K LED
- LUMINAIRE σ TILT – NO DIRECT UPWARD LIGHT

ROAD TYPE 5 – LOCAL DISTRIBUTOR (14.8m EXCLUDING EARTHWORKS)
DESIGNED IN ACCORDANCE WITH DESIGN MANUAL FOR ROADS AND BRIDGES (DMRB)



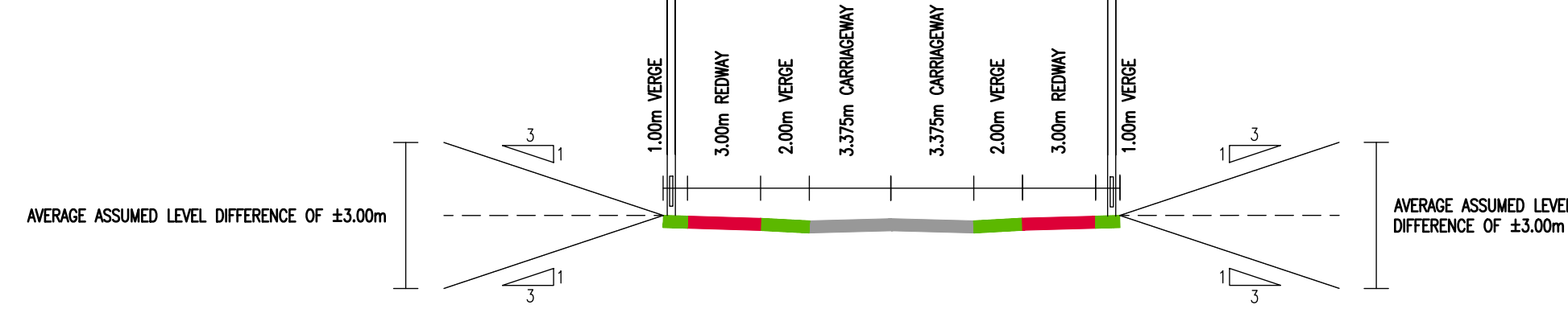
APPLIES TO:
LINK 502 (LINK P)
LINK 503
LINK 504 (RESIDENTIAL ACCESS OFF EL RBT 4)
LINK 505
LINK 508 (LINK K)
LINK 507 (LINK J)
LINK 511

NO CORRIDOR WIDTH TO BE SAFEGUARDED.

LIGHTING (INDICATIVE DETAILS)

- 8m TO 10m LIGHTING COLUMN HEIGHTS – SINGLE-SIDED ARRANGEMENT
- LIGHTING CLASS M4 (EQUIVALENT TO LUX AVERAGE & 0.4 UNIFORMITY)
- LUMINAIRE HOLOPHANE V-MAX 3000K LED
- LUMINAIRE σ TILT – NO DIRECT UPWARD LIGHT

ROAD TYPE 5 – LOCAL DISTRIBUTOR (18.8m EXCLUDING EARTHWORKS)
DESIGNED IN ACCORDANCE WITH DESIGN MANUAL FOR ROADS AND BRIDGES (DMRB)



APPLIES TO:
LINK 508 (LINK M)
LINK 509 (LINK L)

NO CORRIDOR WIDTH TO BE SAFEGUARDED.

LIGHTING (INDICATIVE DETAILS)

- 8m TO 10m LIGHTING COLUMN HEIGHTS – SINGLE-SIDED ARRANGEMENT
- LIGHTING CLASS M4 (EQUIVALENT TO LUX AVERAGE & 0.4 UNIFORMITY)
- LUMINAIRE HOLOPHANE V-MAX 3000K LED
- LUMINAIRE σ TILT – NO DIRECT UPWARD LIGHT

ROAD TYPE 5 – LOCAL DISTRIBUTOR (18.8m EXCLUDING EARTHWORKS)
DESIGNED IN ACCORDANCE WITH DESIGN MANUAL FOR ROADS AND BRIDGES (DMRB)



APPLIES TO:
LINK 512

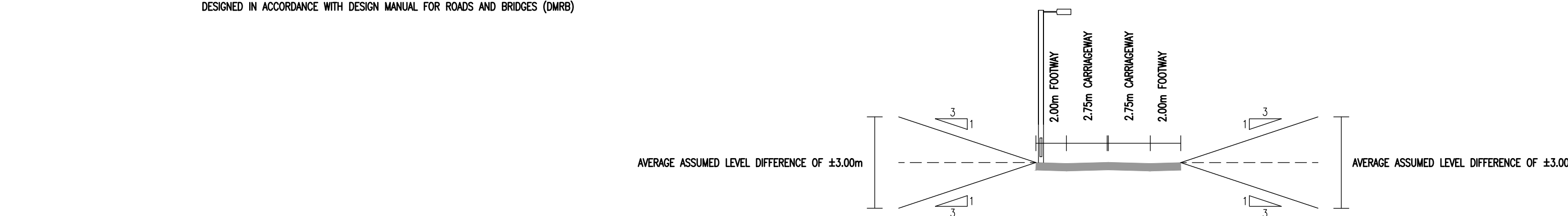
NO CORRIDOR WIDTH TO BE SAFEGUARDED.

LIGHTING (INDICATIVE DETAILS)

- 8m TO 10m LIGHTING COLUMN HEIGHTS – SINGLE-SIDED ARRANGEMENT
- LIGHTING CLASS M4 (EQUIVALENT TO LUX AVERAGE & 0.4 UNIFORMITY)
- LUMINAIRE HOLOPHANE V-MAX 3000K LED
- LUMINAIRE σ 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 6 – PRINCIPLE STREET (9.5m EXCLUDING EARTHWORKS)
DESIGNED IN ACCORDANCE WITH DESIGN MANUAL FOR ROADS AND BRIDGES (DMRB)



APPLIES TO:
LINK 601

NO CORRIDOR WIDTH TO BE SAFEGUARDED.

LIGHTING (INDICATIVE DETAILS)

- 8m TO 10m LIGHTING COLUMN HEIGHTS – SINGLE-SIDED
- LIGHTING CLASS M4 (EQUIVALENT TO LUX AVERAGE & 0.4 UNIFORMITY)
- LUMINAIRE HOLOPHANE V-MAX 3000K LED
- LUMINAIRE σ TILT – NO DIRECT UPWARD LIGHT

CARRIAGEWAY CONSTRUCTION FOR TYPE 3 ROADS, 5 ROADS, 6 ROADS		
LAYER	THICKNESS	DESCRIPTION
SURFACE COURSE	45mm	ROAD TYPE 3 – HSCA SURF2 TO CL.911
	40mm	ROAD TYPE 5&6 – HSCA SURF3 TO CL.911
BINDER COURSE	60mm	ROAD TYPE 3 – AC20 BIN4 TO CL.929
	60mm	ROAD TYPE 5&6 – AC20 BIN4 TO CL.929
BASECOURSE	155mm	ROAD TYPE 3 – AC32 BASE2 TO CL.929
	105mm	ROAD TYPE 5&6 – AC32 BASE2 TO CL.929
SUB-BASE	300mm	ROAD TYPE 3 – GRANULAR TYPE 1 TO CL.803
	300mm	ROAD TYPE 5&6 – GRANULAR TYPE 1 TO CL.803
CAPPING	450mm	ROAD TYPE 3 – 6F2 MATERIAL
	450mm	ROAD TYPE 5&6 – 6F2 MATERIAL

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

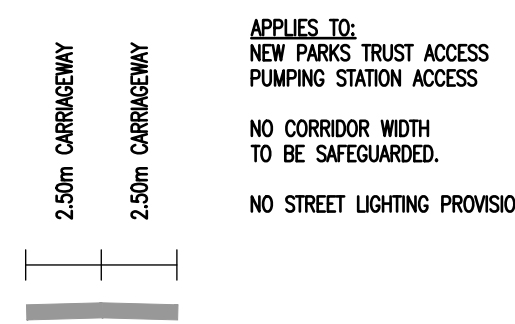
REDWAY / FOOTWAY CONSTRUCTION		
LAYER	THICKNESS	DESCRIPTION
SURFACE COURSE	25mm	REDWAY – AC6 RED TO CL.909 MKCA FOOTWAY – AC6 TO CL.909
BINDER COURSE	50mm	REDWAY – AC20 TO CL.929 FOOTWAY – AC20 TO CL.929
BASECOURSE	70mm	REDWAY – AC32 TO CL.929 FOOTWAY – AC32 TO CL.929
SUB-BASE	300mm	REDWAY – GRANULAR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

ROAD TYPE PRIVATE – BMX TRACK ACCESS (5.5m EXCLUDING EARTHWORKS)
DESIGNED IN ACCORDANCE WITH DESIGN MANUAL FOR ROADS AND BRIDGES (DMRB)



ROAD TYPE PRIVATE – NEW PARKS TRUST ACCESS (5.0m EXCLUDING EARTHWORKS)
DESIGNED IN ACCORDANCE WITH DESIGN MANUAL FOR ROADS AND BRIDGES (DMRB)



ROAD TYPE PRIVATE – TONGWELL STREET CAR PARK ACCESS (5.5m EXCLUDING EARTHWORKS)
DESIGNED IN ACCORDANCE WITH DESIGN MANUAL FOR ROADS AND BRIDGES (DMRB)



P04	30/07/2021	OPL	CONSTRUCTION DETAILS AMENDED	APP	SAP
P03	09/07/2021	DB	SECTIONS FOR LINKS 511-512 ADDED	APP	SAP
P02	26/03/2021	GLG	MINOR AMENDMENTS FOR PLANNING	APP	SAP
P01	12/03/2021	GLG	ISSUED FOR PLANNING	APP	SAP
REV	DATE	BY	DESCRIPTION	CHK	APP

DRAWING STATUS: S4 - FOR APPROVAL

WSP

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wsp.com

CLIENT: BERKELEY ST JAMES

ARCHITECT: JTP / STEPHEN GEORGE AND PARTNERS

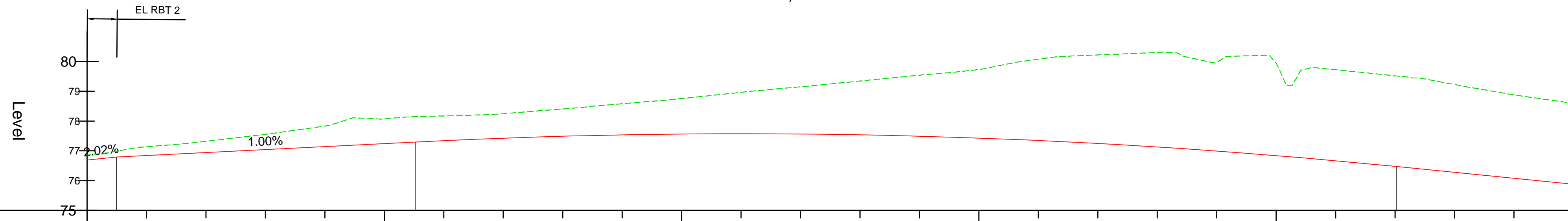
SITE PROJECT: MILTON KEYNES EAST

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

SCALE @ A1:	1:250	CHECKED:	ARP	APPROVED:	SAP
PROJECT NO:	70057521	DESIGNED:	GLG	DATE:	March 21
DRAWING NO:	MKE-WSP-ZZ-ZZ-C-SK-0104	REV:	P04		

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LINK 103 - LONGSECTION - CH 000.000M - CH 250.000M
SCALE: H 1:500,V 1:100. DATUM: 75.000



Chainage	0.000	10.000	20.000	30.000	40.000	50.000	60.000	70.000	80.000	90.000	100.000	110.000	120.000	130.000	140.000	150.000	160.000	170.000	180.000	190.000	200.000	210.000	220.000	230.000	240.000	250.000		
Existing Levels	76.854	77.136	77.320	77.555	77.833	78.074	78.171	78.245	78.404	78.582	78.755	78.963	79.150	79.344	79.538	79.730	80.076	80.219	80.302	79.980	79.943	79.723	79.520	79.226	78.980	78.582		
Proposed Levels	76.893	76.844	76.944	77.044	77.144	77.244	77.342	77.424	77.488	77.534	77.562	77.571	77.563	77.536	77.491	77.428	77.346	77.247	77.129	76.993	76.839	76.666	76.476	76.276	76.076	75.876		
Level Difference	0.161	0.292	0.375	0.511	0.689	0.830	0.829	0.821	0.916	1.048	1.193	1.391	1.567	1.808	2.047	2.302	2.729	2.973	3.173	2.968	3.104	3.056	3.044	2.950	2.804	2.716		
Horizontal Geometry	L = 526.240																											
Vertical Geometry	<div style="display: flex; justify-content: space-between;"> <div>G = -2.024% L = 4.936</div> <div>G = 1.000% L = 50.221</div> <div>R = 5500.000 K = 55.000 L = 165.000</div> <div>G = -2.000% L = 269.784</div> </div>																											

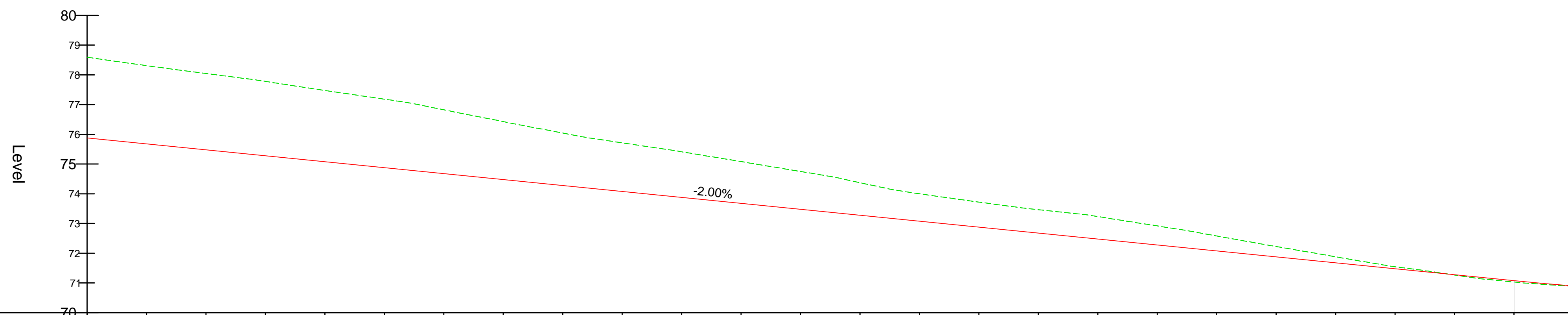
- NOTES:
1. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE STATED.
 2. ALL LEVELS ARE IN METRES ABOVE ORDNANCE DATUM NEWLYN (AOD).
 3. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH ALL RELEVANT DOCUMENTATION, DRAWINGS AND STANDARD DETAILS.
 4. THIS DRAWING IS NOT TO BE REPRODUCED IN ANY PART OF FORM WITHOUT PRIOR CONSENT FROM WSP UK LIMITED, ALL COPY RIGHT RESERVED.
 5. CONFLICTING INFORMATION SHOWN ON THE ENGINEER'S DRAWINGS OR DISCREPANCIES BETWEEN THE INFORMATION GIVEN BY THE ENGINEER AND THAT PROVIDED BY OTHERS MUST BE REFERRED TO THE ENGINEER BEFORE THE WORKS COMMENCE.

KEY:

— PROPOSED ROAD ALIGNMENT

- - - TOPOGRAPHICAL SURVEY

LINK 103 - LONGSECTION - CH 250.000M - CH 500.000M
SCALE: H 1:500,V 1:100. DATUM: 70.000



Chainage	250.000	260.000	270.000	280.000	290.000	300.000	310.000	320.000	330.000	340.000	350.000	360.000	370.000	380.000	390.000	400.000	410.000	420.000	430.000	440.000	450.000	460.000	470.000	480.000	490.000	500.000		
Existing Levels	76.592	76.310	76.044	77.779	77.476	77.183	76.824	76.428	76.041	75.713	75.412	75.082	74.751	74.373	74.000	73.720	73.465	73.235	72.918	72.580	72.225	71.880	71.547	71.268	71.033	70.883		
Proposed Levels	75.876	75.676	75.476	75.276	75.076	74.876	74.676	74.476	74.276	74.076	73.876	73.676	73.476	73.276	73.076	72.876	72.676	72.476	72.276	72.076	71.876	71.676	71.476	71.276	71.076	70.901		
Level Difference	2.716	2.634	2.569	2.503	2.400	2.307	2.149	1.962	1.765	1.637	1.536	1.407	1.275	1.087	0.924	0.844	0.789	0.759	0.842	0.505	0.349	0.204	0.071	-0.008	-0.043	-0.018		
Horizontal Geometry	L = 526.240																											
Vertical Geometry	<div style="display: flex; justify-content: space-between;"> <div>G = -2.000% L = 269.781</div> <div>R = 2000.000 K = 20.000 L = 20.000</div> </div>																											

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

PO4	25/06/2021	OPL	EASTERN LINK ROUNDABOUT REALIGNED	APP	SAP
PO3	26/03/2021	OPL	MINOR AMENDMENTS FOR PLANNING	APP	SAP
PO2	12/03/2021	OPL	ISSUED FOR PLANNING	APP	SAP
PO1	20/11/2020	DE	FIRST ISSUE	APP	SAP
REV	DATE	BY	DESCRIPTION	CHK	APP

DRAWING STATUS: **S4 - FOR APPROVAL**

Grosvenor House, 2 Grosvenor Square, Southampton, SO15 2BE, UK
T+ 44 (0) 2380 101 700
wsp.com

CLIENT: **BERKELEY ST JAMES**

ARCHITECT: **JTP / STEPHEN GEORGE AND PARTNERS**

SITE/PROJECT: **MILTON KEYNES EAST**

TITLE: **LINK 103 LONG SECTION
CH 000.000m - CH 500.000m
SHEET 1 OF 3**

SCALE @ A1: AS SHOWN CHECKED: ARP APPROVED: SAP

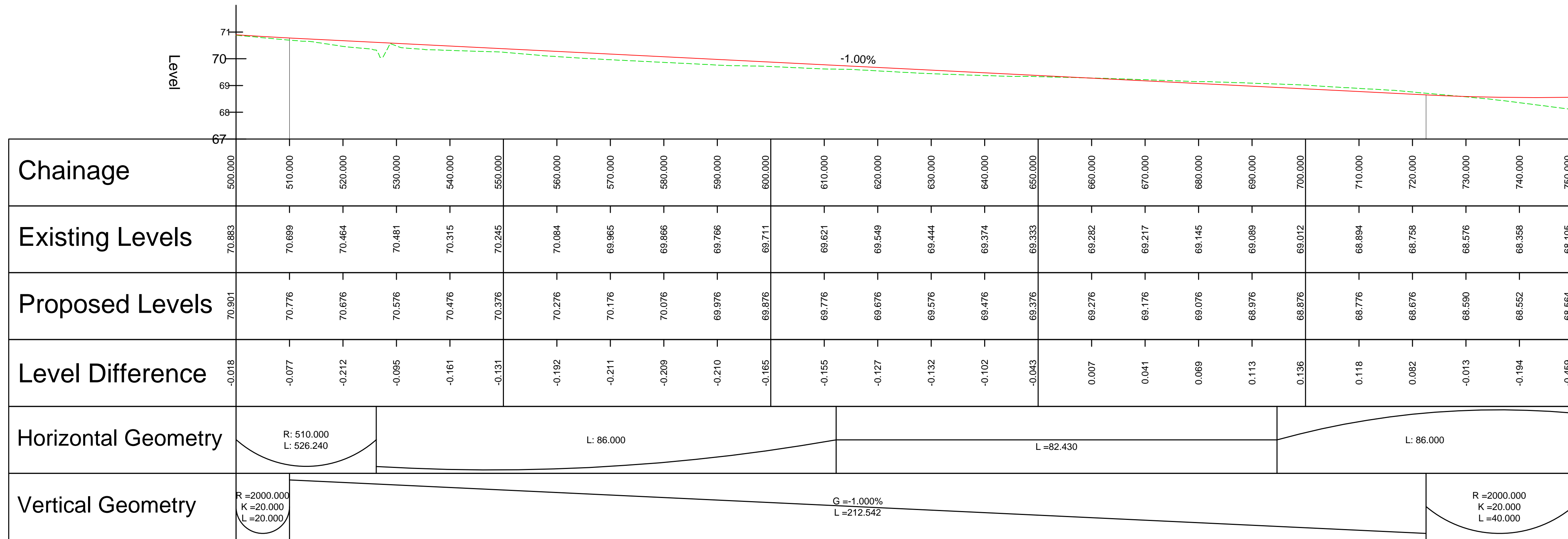
PROJECT NO: 70057521 DESIGNED: ARP DRAWN: GLG DATE: November 20

DRAWING NO: **MKE-WSP-ZZ-ZZ-C-SK-2803** REV: **P04**

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File name: I:\UK\WSPGROUP\CENTRAL DATA\PROJECTS\70057521 - MKE - PLANNING APPLICATIONS\DRAWINGS\MKE-WSP-ZZ-ZZ-C-SK-2803.DWG, printed on: 25 June 2021 13:52:23, by: Rowland Chan

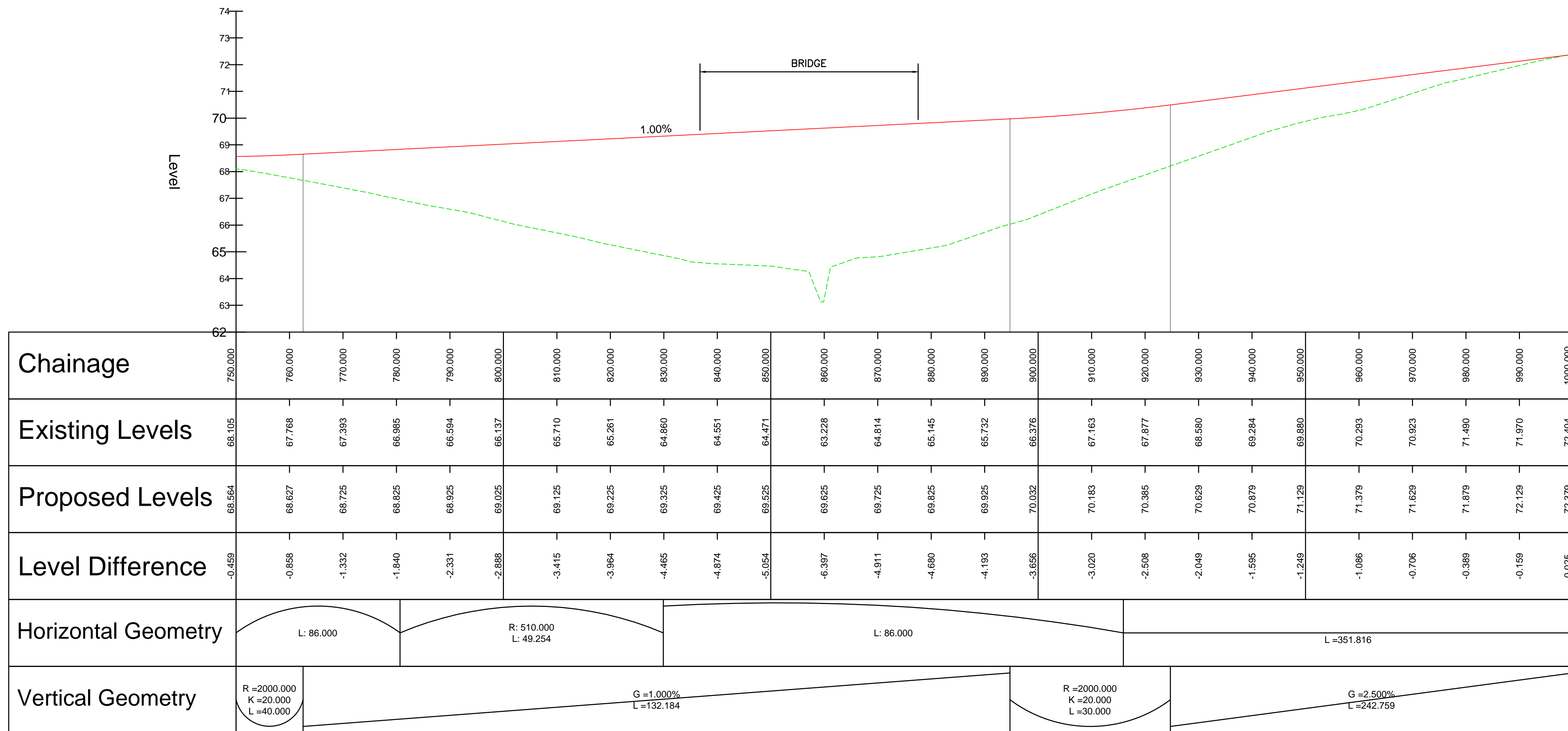
LINK 103 - LONGSECTION - CH 500.000M - CH 750.000M
SCALE: H 1:500,V 1:100. DATUM: 67.000



- NOTES:
- ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE STATED.
 - ALL LEVELS ARE IN METRES ABOVE ORDNANCE DATUM NEWLYN (AOD).
 - THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH ALL RELEVANT DOCUMENTATION, DRAWINGS AND STANDARD DETAILS.
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KEY:
 PROPOSED ROAD ALIGNMENT
 TOPOGRAPHICAL SURVEY

LINK 103 - LONGSECTION - CH 750.000M - CH 1000.000M
SCALE: H 1:500,V 1:100. DATUM: 62.000



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REV	DATE	BY	DESCRIPTION	CHK	APP
P04	25/06/2021	OPL	EASTERN LINK ROUNDABOUT 3 REALIGNED	APP	SAP
P03	26/03/2021	OPL	MINOR AMENDMENTS FOR PLANNING	APP	SAP
P02	12/03/2021	OPL	ISSUED FOR PLANNING	APP	SAP
P01	20/11/2020	DE	FIRST ISSUE	APP	SAP

DRAWING STATUS: **S4 - FOR APPROVAL**

Grosvenor House, 2 Grosvenor Square, Southampton, SO15 2BE, UK
T+ 44 (0) 2380 101 700
wsp.com

CLIENT: **BERKELEY ST JAMES**

ARCHITECT: **JTP / STEPHEN GEORGE AND PARTNERS**

SITE/PROJECT: **MILTON KEYNES EAST**

TITLE: **LINK 103 LONG SECTION
CH 500.000m - CH 1000.000m
SHEET 2 OF 3**

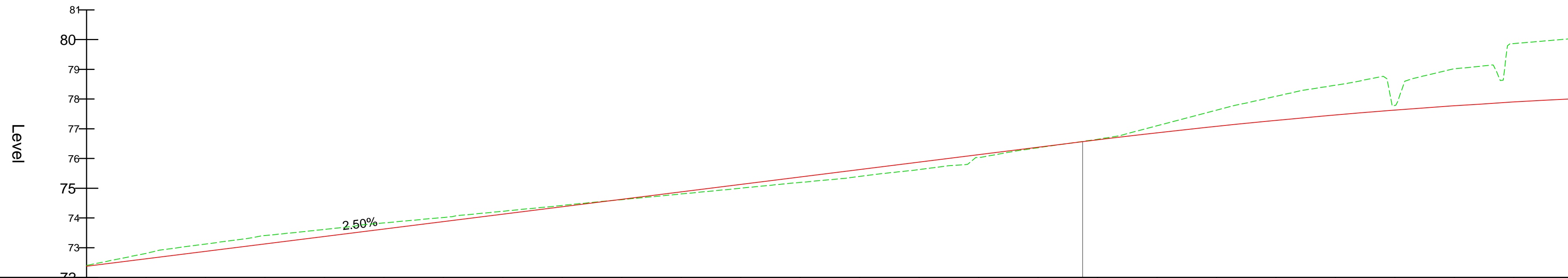
SCALE @ AT:	CHECKED:	APPROVED:
AS SHOWN	ARP	SAP

PROJECT NO:	DESIGNED:	DRAWN:	DATE:
70057521	ARP	GLG	November 20

DRAWING NO:	REV:
MKE-WSP-ZZ-ZZ-C-SK-2804	P04

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LINK 103 - LONGSECTION - CH 1000.000M - CH 1250.000M
SCALE: H 1:500,V 1:100. DATUM: 72.000



Chainage	1000.000	1010.000	1020.000	1030.000	1040.000	1050.000	1060.000	1070.000	1080.000	1090.000	1100.000	1110.000	1120.000	1130.000	1140.000	1150.000	1160.000	1170.000	1180.000	1190.000	1200.000	1210.000	1220.000	1230.000	1240.000	1250.000		
Existing Levels	72.404	72.808	73.123	73.407	73.614	73.834	74.017	74.226	74.423	74.618	74.807	75.001	75.196	75.397	75.628	76.037	76.363	76.647	77.103	77.629	78.092	78.465	77.785	79.020	79.868	80.037		
Proposed Levels	72.379	72.629	72.879	73.129	73.379	73.629	73.879	74.129	74.379	74.629	74.879	75.129	75.379	75.629	75.879	76.129	76.379	76.629	76.865	77.083	77.283	77.465	77.628	77.774	77.901	78.010		
Level Difference	0.025	0.179	0.244	0.278	0.235	0.205	0.138	0.097	0.044	-0.011	-0.072	-0.128	-0.184	-0.233	-0.251	-0.092	-0.016	0.019	0.238	0.546	0.809	1.001	0.157	1.246	1.967	2.026		
Horizontal Geometry	L = 351.816																											
Vertical Geometry	G = 2.500% L = 242.759														R = 5500.000 K = 55.000 L = 192.500													

- NOTES:
- ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE STATED.
 - ALL LEVELS ARE IN METRES ABOVE ORDNANCE DATUM NEWLYN (AOD).
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KEY:

— PROPOSED ROAD ALIGNMENT

- - - TOPOGRAPHICAL SURVEY

LINK 103 - LONGSECTION - CH 1250.000M - CH 1454.554M
SCALE: H 1:500,V 1:100. DATUM: 75.000



Chainage	1250.000	1260.000	1270.000	1280.000	1290.000	1300.000	1310.000	1320.000	1330.000	1340.000	1350.000	1360.000	1370.000	1380.000	1390.000	1400.000	1410.000	1420.000	1430.000	1440.000	1450.000	1454.554
Existing Levels	80.037	80.126	80.169	80.207	80.285	80.334	80.384	80.371	80.395	80.356	80.320	80.248	80.192	80.125	80.067	79.945	79.834	79.726	79.618	79.508	79.213	79.110
Proposed Levels	78.010	78.101	78.174	78.228	78.265	78.283	78.283	78.264	78.228	78.173	78.101	78.010	77.910	77.810	77.710	77.610	77.510	77.410	77.310	77.210	77.105	77.016
Level Difference	2.026	2.025	1.995	1.979	2.020	2.051	2.102	2.106	2.167	2.182	2.220	2.238	2.282	2.315	2.357	2.335	2.324	2.316	2.308	2.298	2.108	2.095
Horizontal Geometry	L = 351.816		L: 86.001										R: 509.999 L: 100.814									
Vertical Geometry	R = 5500.000 K = 55.000 L = 192.500										G = -1.000% L = 89.570										G = -1.969% L = 5.000	

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

PO4	26/06/2021	OPL	EASTERN LINK ROUNDABOUT 3 REALIGNED	ARP	SAP
PO3	26/03/2021	OPL	MINOR AMENDMENTS FOR PLANNING	ARP	SAP
PO2	12/03/2021	OPL	ISSUED FOR PLANNING	ARP	SAP
PO1	20/11/2020	DE	FIRST ISSUE	ARP	SAP
REV	DATE	BY	DESCRIPTION	CHK	APP

DRAWING STATUS: **S4 - FOR APPROVAL**

Grosvenor House, 2 Grosvenor Square, Southampton, SO15 2BE, UK
T+ 44 (0) 2380 101 700
wsp.com

CLIENT: **BERKELEY ST JAMES**

ARCHITECT: **JTP / STEPHEN GEORGE AND PARTNERS**

SITE/PROJECT: **MILTON KEYNES EAST**

TITLE: **LINK 103 LONG SECTION
CH 1000.000m - CH 1454.554m
SHEET 3 OF 3**

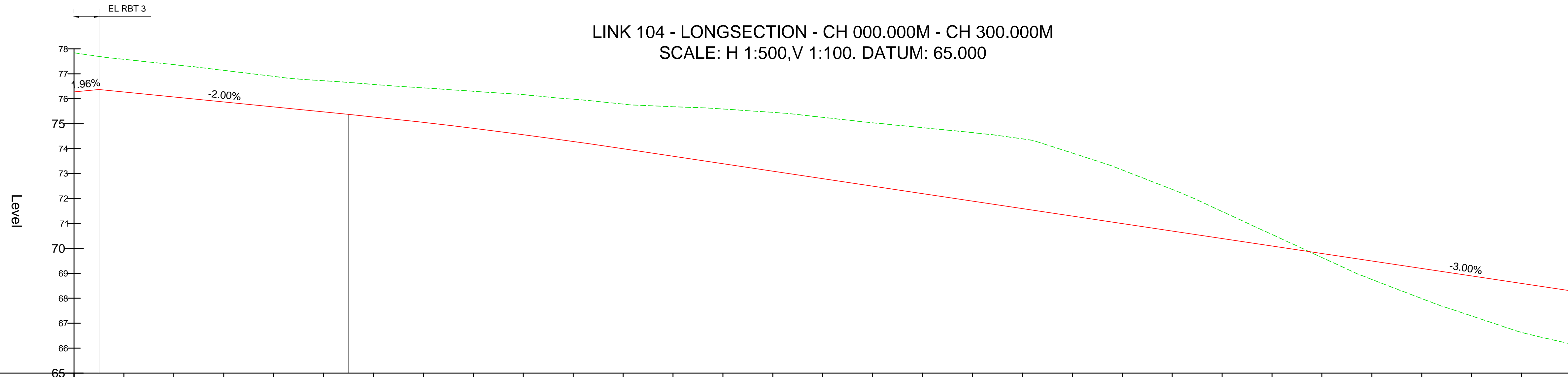
SCALE @ A1:	AS SHOWN	CHECKED:	ARP	APPROVED:	SAP
PROJECT NO:	70057521	DESIGNED:	ARP	DRAWN:	GLG
DATE:	November 20	DATE:	November 20	DATE:	November 20

DRAWING NO: **MKE-WSP-ZZ-ZZ-C-SK-2805** REV: **P04**

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File name: I:\UK\WSP\GROUP\CENTRAL DATA\PROJECTS\70057521 - MKE - PLANNING APPLICATIONS\WIP\DCV\ENGINEERING\DRAWINGS\MKE-WSP-ZZ-C-SK-2806.DWG, printed on: 28 June 2021 12:05:24, by: Rowland Chan

LINK 104 - LONGSECTION - CH 000.000M - CH 300.000M
SCALE: H 1:500,V 1:100. DATUM: 65.000



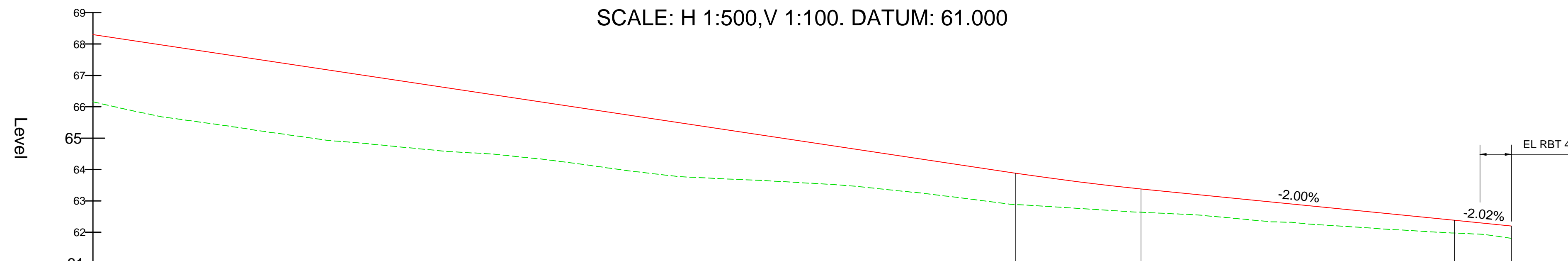
Chainage	0.000	10.000	20.000	30.000	40.000	50.000	60.000	70.000	80.000	90.000	100.000	110.000	120.000	130.000	140.000	150.000	160.000	170.000	180.000	190.000	200.000	210.000	220.000	230.000	240.000	250.000	260.000	270.000	280.000	290.000	300.000
Existing Levels	77.840	77.579	77.369	77.138	76.897	76.723	76.574	76.435	76.298	76.167	75.982	75.784	75.682	75.589	75.453	75.254	75.036	74.839	74.641	74.391	73.822	73.143	72.364	71.479	70.557	69.633	68.753	67.986	67.288	66.628	66.159
Proposed Levels	76.273	76.271	76.071	75.871	75.671	75.471	75.269	75.051	74.815	74.560	74.287	73.996	73.696	73.396	73.096	72.796	72.496	72.196	71.896	71.596	71.296	70.996	70.696	70.396	70.096	69.796	69.496	69.196	68.896	68.596	68.296
Level Difference	1.567	1.308	1.298	1.267	1.225	1.251	1.305	1.384	1.484	1.607	1.695	1.788	1.985	2.193	2.357	2.458	2.539	2.643	2.745	2.795	2.626	2.146	1.667	1.083	0.460	-0.164	-0.743	-1.211	-1.609	-1.968	-2.137
Horizontal Geometry	R: 510.000 L: 233.762																L: 86.000														
Vertical Geometry	G = 1.959% L = 4.998		G = 2.000% L = 50.000				R = 5500.000 K = 55.000 L = 55.000				G = -3.000% L = 337.173																				

- NOTES:
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KEY:
 PROPOSED ROAD ALIGNMENT
 TOPOGRAPHICAL SURVEY

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

LINK 104 - LONGSECTION - CH 300.000M - CH 526.236M
SCALE: H 1:500,V 1:100. DATUM: 61.000



Chainage	300.000	310.000	320.000	330.000	340.000	350.000	360.000	370.000	380.000	390.000	400.000	410.000	420.000	430.000	440.000	450.000	460.000	470.000	480.000	490.000	500.000	510.000	520.000	526.236
Existing Levels	66.159	65.720	65.429	65.137	64.888	64.700	64.535	64.362	64.110	63.851	63.709	63.613	63.490	63.291	63.052	62.849	62.722	62.611	62.481	62.323	62.185	62.054	61.948	
Proposed Levels	66.296	67.996	67.696	67.396	67.096	66.796	66.496	66.196	65.896	65.596	65.296	64.996	64.696	64.396	64.096	63.798	63.537	63.325	63.125	62.925	62.725	62.525	62.324	
Level Difference	-2.137	-2.276	-2.268	-2.259	-2.208	-2.097	-1.961	-1.834	-1.786	-1.745	-1.587	-1.383	-1.206	-1.105	-1.044	-0.950	-0.815	-0.714	-0.643	-0.602	-0.539	-0.471	-0.376	
Horizontal Geometry	L: 86.000		L = 206.474																					
Vertical Geometry	G = -3.000% L = 337.173											R = 2000.000 K = 20.000 L = 20.000			G = -2.000% L = 50.000			G = -2.023% L = 9.065						

PO4	25/06/2021	OPL	EASTERN LINK ROUNDABOUT 3 REALIGNED	ARP	SAP
PO3	26/03/2021	OPL	MINOR AMENDMENTS FOR PLANNING	ARP	SAP
PO2	12/03/2021	OPL	ISSUED FOR PLANNING	ARP	SAP
PO1	20/11/2020	OPL	FIRST ISSUE	ARP	SAP
REV	DATE	BY	DESCRIPTION	CHK	APP

DRAWING STATUS: **S4 - FOR APPROVAL**

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T+44 (0) 2380 101 700
wsp.com

CLIENT: **BERKELEY ST JAMES**

ARCHITECT: **JTP / STEPHEN GEORGE AND PARTNERS**

SITE/PROJECT: **MILTON KEYNES EAST**

TITLE: **LINK 104 LONG SECTION
CH 000.000m - CH 526.236m**

SCALE @ AT:	CHECKED:	APPROVED:
AS SHOWN	ARP	SAP
PROJECT NO:	DESIGNED:	DRAWN:
70057521	ARP	OPL
		DATE:
		November 20

DRAWING No: **MKE-WSP-ZZ-ZZ-C-SK-2806** REV: **P04**

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LINK 105 - LONGSECTION - CH 0.000M - CH 250.000M
SCALE: H 1:500,V 1:100. DATUM: 60.000



Chainage	0.000	10.000	20.000	30.000	40.000	50.000	60.000	70.000	80.000	90.000	100.000	110.000	120.000	130.000	140.000	150.000	160.000	170.000	180.000	190.000	200.000	210.000	220.000	230.000	240.000	250.000		
Existing Levels	64.580	64.588	64.421	64.253	64.082	63.817	63.680	63.533	63.395	63.268	63.137	63.026	62.933	62.835	62.745	62.654	62.561	62.470	62.383	62.323	62.260	62.180	62.109	62.179	62.120	62.033		
Proposed Levels	64.580	64.509	64.366	64.223	64.080	63.937	63.794	63.651	63.508	63.365	63.223	63.080	62.937	62.808	62.727	62.661	62.594	62.527	62.461	62.394	62.327	62.260	62.180	62.194	62.127	62.060	61.994	
Level Difference	0.000	0.079	0.056	0.030	0.002	-0.120	-0.114	-0.118	-0.113	-0.098	-0.085	-0.054	-0.004	0.026	0.017	-0.006	-0.033	-0.057	-0.068	-0.071	-0.068	-0.081	-0.084	0.052	0.059	0.040		
Horizontal Geometry	L = 253.295																											
Vertical Geometry	<p>G = -0.837% L = 4.853</p> <p>G = -1.429% L = 117.519</p> <p>R = 2000.000 K = 20.000 L = 15.246</p> <p>G = -0.667% L = 160.228</p>																											

DO NOT SCALE

NOTES:

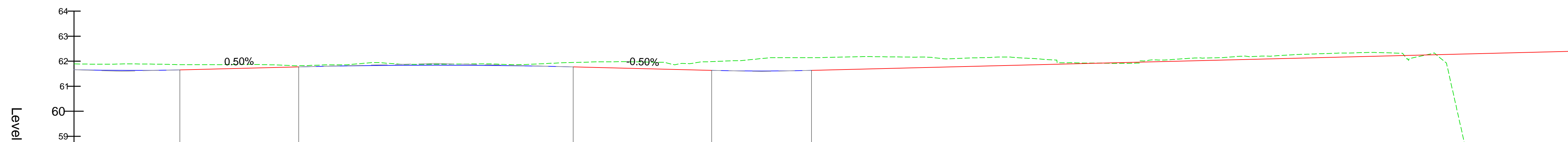
- ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE STATED.
- ALL LEVELS ARE IN METRES ABOVE ORDNANCE DATUM NEWLYN (AOD).
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KEY:

— PROPOSED ROAD ALIGNMENT

- - - TOPOGRAPHICAL SURVEY

LINK 105 - LONGSECTION - CH 250.000M - CH 500.000M
SCALE: H 1:500,V 1:100. DATUM: 55.000



Chainage	300.000	310.000	320.000	330.000	340.000	350.000	360.000	370.000	380.000	390.000	400.000	410.000	420.000	430.000	440.000	450.000	460.000	470.000	480.000	490.000	500.000	510.000	520.000	530.000	540.000	550.000	560.000	570.000	580.000	590.000	600.000	
Existing Levels	61.893	61.892	61.866	61.865	61.853	61.850	61.845	61.877	61.891	61.869	61.950	61.982	61.869	62.002	62.140	62.146	62.182	62.169	62.133	62.129	61.940	61.910	62.068	62.144	62.204	62.301	62.352	62.215	57.417	57.434	57.416	
Proposed Levels	61.662	61.631	61.650	61.699	61.749	61.797	61.829	61.843	61.898	61.815	61.774	61.724	61.674	61.626	61.612	61.647	61.697	61.747	61.797	61.847	61.897	61.947	61.997	62.047	62.097	62.147	62.197	62.247	62.297	62.347	62.397	
Level Difference	0.232	0.261	0.216	0.166	0.104	0.063	0.116	0.035	0.063	0.063	0.175	0.257	0.195	0.377	0.528	0.499	0.485	0.422	0.336	0.282	0.043	-0.037	0.071	0.097	0.107	0.153	0.155	-0.032	-4.881	-4.913	-4.981	
Horizontal Geometry	L = 415.797																															
Vertical Geometry	<p>R = 2000.000 K = 20.000 L = 23.334</p> <p>G = 0.500% L = 23.815</p> <p>R = 5500.000 K = 55.000 L = 55.000</p> <p>G = -0.500% L = 27.719</p> <p>R = 2000.000 K = 20.000 L = 20.000</p> <p>G = 0.500% L = 411.290</p>																															

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

P04	03/09/2021	DB	ALIGNMENT AMENDED	APP	SAP
P03	26/03/2021	OPL	MINOR AMENDMENTS FOR PLANNING	APP	SAP
P02	12/03/2021	OPL	ISSUED FOR PLANNING	APP	SAP
P01	20/11/2020	OPL	FIRST ISSUE	APP	SAP
REV	DATE	BY	DESCRIPTION	CHK	APP

DRAWING STATUS: **S4 - FOR APPROVAL**

Grosvenor House, 2 Grosvenor Square, Southampton, SO15 2BE, UK
T+ 44 (0) 2380 101 700
wsp.com

CLIENT: **BERKELEY ST JAMES**

ARCHITECT: **JTP / STEPHEN GEORGE AND PARTNERS**

SITE/PROJECT: **MILTON KEYNES EAST**

TITLE: **LINK 105 LONG SECTION
CH 000.000m - CH 500.000m
SHEET 1 OF 4**

SCALE @ AT:	CHECKED:	APPROVED:
AS SHOWN	ARP	SAP
PROJECT NO:	DESIGNED:	DRAWN:
70057521	ARP	OPL
		DATE:
		November 20

DRAWING NO:	REV:
MKE-WSP-ZZ-ZZ-C-SK-2807	P04

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File name: I:\UK\WSPGROUP\CENTRAL DATA\PROJECTS\70057521 - MKE - PLANNING APPLICATIONS\DRAWINGS\MKE-WSP-ZZ-ZZ-C-SK-2807.DWG, printed on: 03 September 2021 12:30:08, by: Bowen, Dean

LINK 105 - LONGSECTION - CH 500.000M - CH 750.000M
SCALE: H 1:500,V 1:100. DATUM: 55.000



Chainage	500.000	510.000	520.000	530.000	540.000	550.000	560.000	570.000	580.000	590.000	600.000	610.000	620.000	630.000	640.000	650.000	660.000	670.000	680.000	690.000	700.000	710.000	720.000	730.000	740.000	750.000
Existing Levels	61.940	61.910	62.068	62.144	62.204	62.301	62.352	62.215	57.417	57.434	57.416	57.418	57.415	57.396	56.745	55.717	57.155	62.891	62.774	62.898	62.984	62.981	63.024	63.250	63.423	63.170
Proposed Levels	61.897	61.947	61.997	62.047	62.097	62.147	62.197	62.247	62.297	62.347	62.397	62.447	62.497	62.547	62.597	62.647	62.697	62.747	62.797	62.847	62.897	62.947	62.997	63.047	63.097	63.147
Level Difference	0.043	-0.037	0.071	0.097	0.107	0.153	0.155	-0.032	-4.881	-4.913	-4.981	-5.029	-5.082	-5.151	-5.852	-6.930	-5.542	0.144	-0.023	0.051	0.087	0.034	0.027	0.203	0.326	0.023
Horizontal Geometry	R: 1500.000 L: 415.797															L: 58.408					L: 86.000					
Vertical Geometry	G = -0.500% L = 411.290																									

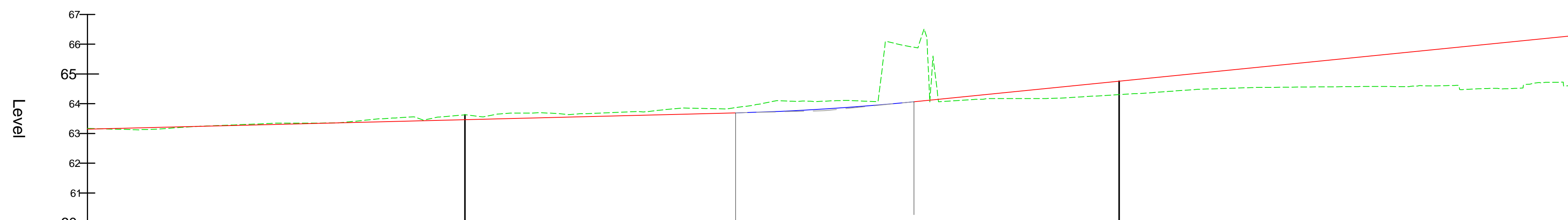
NOTES:

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2. ALL LEVELS ARE IN METRES ABOVE ORDNANCE DATUM NEWLYN (AOD).
3. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH ALL RELEVANT DOCUMENTATION, DRAWINGS AND STANDARD DETAILS.
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KEY:

- PROPOSED ROAD ALIGNMENT
- - - TOPOGRAPHICAL SURVEY

LINK 105 - LONGSECTION - CH 750.000M - CH 1000.000M
SCALE: H 1:500,V 1:100. DATUM: 60.000



Chainage	750.000	760.000	770.000	780.000	790.000	800.000	810.000	820.000	830.000	840.000	850.000	860.000	870.000	880.000	890.000	900.000	910.000	920.000	930.000	940.000	950.000	960.000	970.000	980.000	990.000	1000.000
Existing Levels	63.170	63.134	63.250	63.331	63.352	63.501	63.566	63.666	63.654	63.718	63.854	63.895	64.086	64.095	66.064	64.149	64.174	64.264	64.387	64.505	64.553	64.570	64.577	64.615	64.514	64.619
Proposed Levels	63.147	63.197	63.247	63.297	63.347	63.397	63.447	63.497	63.547	63.597	63.647	63.697	63.777	63.907	64.087	64.287	64.487	64.687	64.887	65.087	65.287	65.487	65.687	65.887	66.087	66.287
Level Difference	0.023	-0.063	0.003	0.064	0.005	0.104	0.119	0.169	0.107	0.121	0.207	0.198	0.309	0.188	1.977	-0.136	-0.313	-0.423	-0.500	-0.581	-0.734	-0.916	-1.110	-1.271	-1.573	-1.668
Horizontal Geometry	L: 86.000						R: 510.000 L: 110.049										L: 86.000									
Vertical Geometry	G = -0.500% L = 411.290															R = 2000.000 K = 20.000 L = 30.000					G = 2.000% L = 226.157					

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

PO4	03/09/2021	DB	ALIGNMENT UPDATED	APP	SAP
PO3	26/03/2021	OPL	MINOR AMENDMENTS FOR PLANNING	APP	SAP
PO2	12/03/2021	OPL	ISSUED FOR PLANNING	APP	SAP
PO1	20/11/2020	OPL	FIRST ISSUE	APP	SAP
REV	DATE	BY	DESCRIPTION	CHK	APP

DRAWING STATUS: S4 - FOR APPROVAL



CLIENT: BERKELEY ST JAMES

ARCHITECT: JTP / STEPHEN GEORGE AND PARTNERS

SITE/PROJECT: MILTON KEYNES EAST

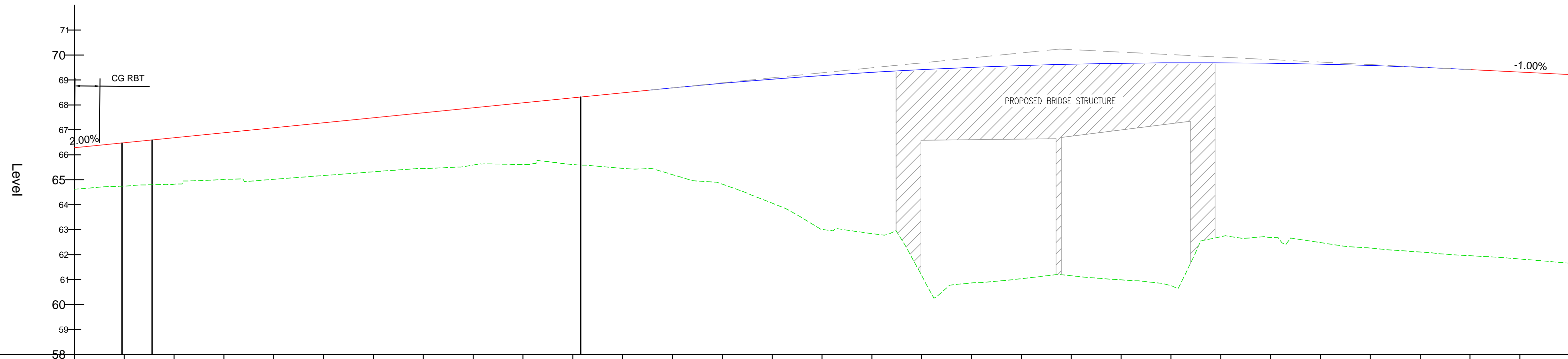
TITLE: LINK 105 LONG SECTION
CH 500.000m - CH 1000.000m
SHEET 2 OF 4

SCALE @ A1: AS SHOWN | CHECKED: ARP | APPROVED: SAP

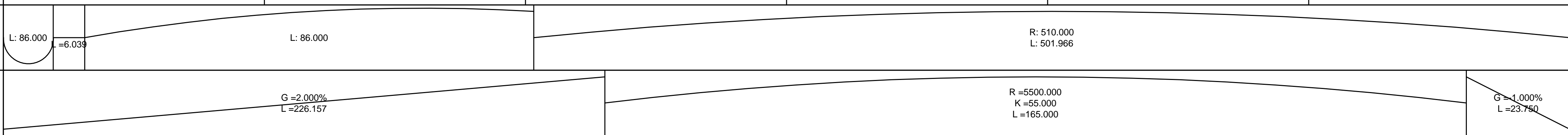
PROJECT NO: 70057521 | DESIGNED: ARP | DRAWN: OPL | DATE: November 20

DRAWING NO: MKE-WSP-ZZ-ZZ-C-SK-2808 | REV: P04

LINK 105 - LONGSECTION - CH 1000.000M - CH 1300.000M
SCALE: H 1:500,V 1:100. DATUM: 58.000



Chainage	Existing Levels	Proposed Levels	Level Difference
1000.000	64.619	66.287	-1.668
1010.000	64.746	66.487	-1.741
1020.000	64.821	66.687	-1.865
1030.000	65.014	66.887	-1.872
1040.000	65.019	67.087	-2.067
1050.000	65.169	67.287	-2.117
1060.000	65.320	67.487	-2.167
1070.000	65.448	67.687	-2.239
1080.000	65.588	67.887	-2.298
1090.000	65.611	68.087	-2.475
1100.000	65.609	68.287	-2.678
1110.000	65.458	68.487	-3.028
1120.000	65.205	68.684	-3.480
1130.000	64.822	68.867	-4.045
1140.000	64.061	69.031	-4.969
1150.000	63.011	69.176	-6.165
1160.000	62.841	69.304	-6.463
1170.000	61.152	69.413	-8.261
1180.000	60.864	69.505	-8.640
1190.000	61.034	69.578	-8.544
1200.000	61.152	69.633	-8.480
1210.000	60.989	69.669	-8.680
1220.000	60.752	69.688	-8.936
1230.000	62.715	69.688	-6.973
1240.000	62.684	69.670	-6.986
1250.000	62.481	69.634	-7.154
1260.000	62.262	69.580	-7.318
1270.000	62.105	69.508	-7.403
1280.000	61.955	69.417	-7.462
1290.000	61.823	69.317	-7.494
1300.000	61.654	69.217	-7.563



- NOTES:
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KEY:

- PROPOSED ROAD ALIGNMENT
- - - TOPOGRAPHICAL SURVEY

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POS	DATE	BY	DESCRIPTION	CHK	APP
P05	03/09/2021	DB	ALIGNMENT UPDATED	ARP	SAP
P04	26/03/2021	OPL	MINOR AMENDMENTS FOR PLANNING	ARP	SAP
P03	12/03/2021	OPL	ISSUED FOR PLANNING	ARP	SAP
P02	12/02/2021	OPL	BRIDGE ADDED	ARP	SAP
P01	20/11/2020	GLG	FIRST ISSUE	ARP	SAP

DRAWING STATUS: S4 - FOR APPROVAL

Grosvenor House, 2 Grosvenor Square, Southampton, SO15 2BE, UK
T+ 44 (0) 2380 101 700
wsp.com

CLIENT: BERKELEY ST JAMES

ARCHITECT: JTP / STEPHEN GEORGE AND PARTNERS

SITE/PROJECT: MILTON KEYNES EAST

TITLE: LINK 105 LONG SECTION
CH 1000.000m - CH 1300.000m
SHEET 3 OF 4

SCALE @ A1: AS SHOWN	CHECKED: ARP	APPROVED: SAP
PROJECT NO: 70057521	DESIGNED: ARP	DRAWN: GLG
		DATE: November 20

DRAWING NO: MKE-WSP-ZZ-ZZ-C-SK-2809	REV: P05
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File name: I:\UK\WSP\GROUP\CENTRAL DATA\PROJECTS\70057521 - MKE - PLANNING APPLICATIONS\DRAWINGS\MKE-WSP-ZZ-ZZ-C-SK-2809.DWG, printed on 03 September 2021 13:22:24, by Bowen, Dain

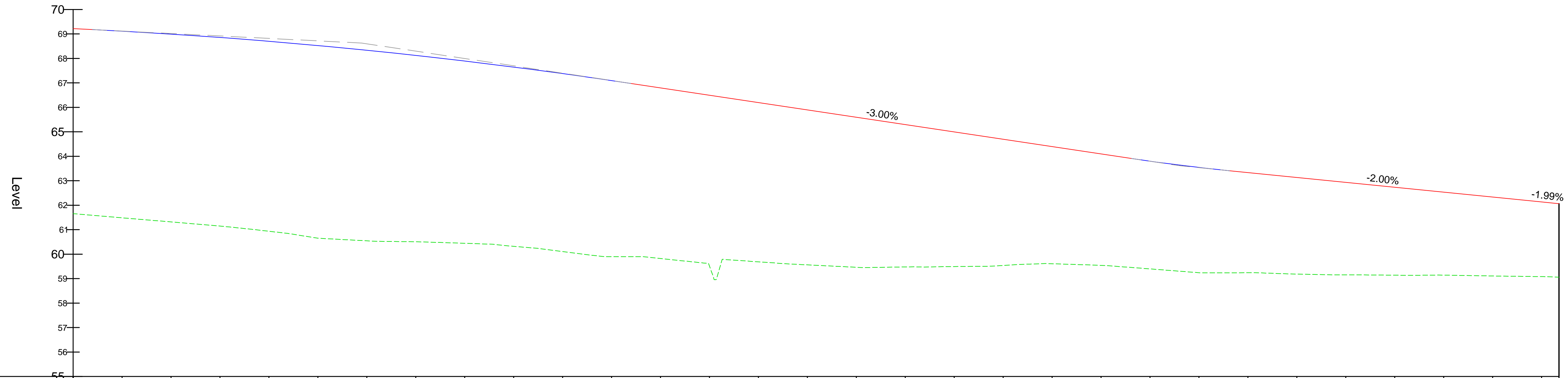
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KEY:

— PROPOSED ROAD ALIGNMENT

- - - TOPOGRAPHICAL SURVEY

LINK 105 - LONGSECTION - CH 1300.00M - CH 1603.554M
SCALE: H 1:500,V 1:100. DATUM: 55.000



Chainage	Existing Levels	Proposed Levels	Level Difference
1300.000	61.654	69.217	-7.563
1310.000	61.484	69.114	-7.630
1320.000	61.317	68.994	-7.676
1330.000	61.147	68.855	-7.709
1340.000	60.936	68.699	-7.763
1350.000	60.652	68.524	-7.873
1360.000	60.545	68.331	-7.787
1370.000	60.508	68.120	-7.612
1380.000	60.444	67.891	-7.448
1390.000	60.321	67.644	-7.323
1400.000	60.107	67.378	-7.272
1410.000	59.895	67.095	-7.199
1420.000	59.822	66.796	-6.974
1430.000	59.509	66.496	-6.987
1440.000	59.686	66.196	-6.510
1450.000	59.562	65.896	-6.334
1460.000	59.463	65.596	-6.133
1470.000	59.478	65.296	-5.818
1480.000	59.493	64.996	-5.503
1490.000	59.539	64.696	-5.157
1500.000	59.608	64.396	-4.788
1510.000	59.539	64.096	-4.557
1520.000	59.398	63.799	-4.402
1530.000	59.242	63.543	-4.301
1540.000	59.241	63.334	-4.093
1550.000	59.186	63.134	-3.947
1560.000	59.153	62.934	-3.780
1570.000	59.140	62.734	-3.594
1580.000	59.142	62.534	-3.392
1590.000	59.108	62.334	-3.226
1600.000	59.082	62.134	-3.052
1603.554	59.059	62.063	-3.004

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REV	DATE	BY	DESCRIPTION	CHK	APP
P04	03/09/2021	DB	ALIGNMENT UPDATED	ARP	SAP
P03	26/03/2021	OPL	MINOR AMENDMENTS FOR PLANNING	ARP	SAP
P02	12/03/2021	OPL	ISSUED FOR PLANNING	ARP	SAP
P01	20/11/2020	GLG	FIRST ISSUE	ARP	SAP

DRAWING STATUS: S4 - FOR APPROVAL

Grosvenor House, 2 Grosvenor Square, Southampton, SO15 2BE, UK
T+ 44 (0) 2380 101 700
wsp.com

CLIENT: BERKELEY ST JAMES

ARCHITECT: JTP / STEPHEN GEORGE AND PARTNERS

SITE/PROJECT: MILTON KEYNES EAST

TITLE: LINK 105 LONG SECTION
CH 1300m - CH 1603.554m
SHEET 4 OF 4

SCALE @ AT:	CHECKED:	APPROVED:
AS SHOWN	ARP	SAP

PROJECT NO:	DESIGNED:	DRAWN:	DATE:
70057521	ARP	GLG	November 20

DRAWING No:	REV:
MKE-WSP-ZZ-ZZ-C-SK-2810	P04

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File name: I:\UK\WSPGROUP\COMCENTRAL\DATA\PROJECTS\70057521\LINK 105 - PLANNING APPLICATIONS\DRAWINGS\MKE-WSP-ZZ-ZZ-C-SK-2810.DWG, printed on 03 September 2021 14:04:14, by Bowen, Darrin

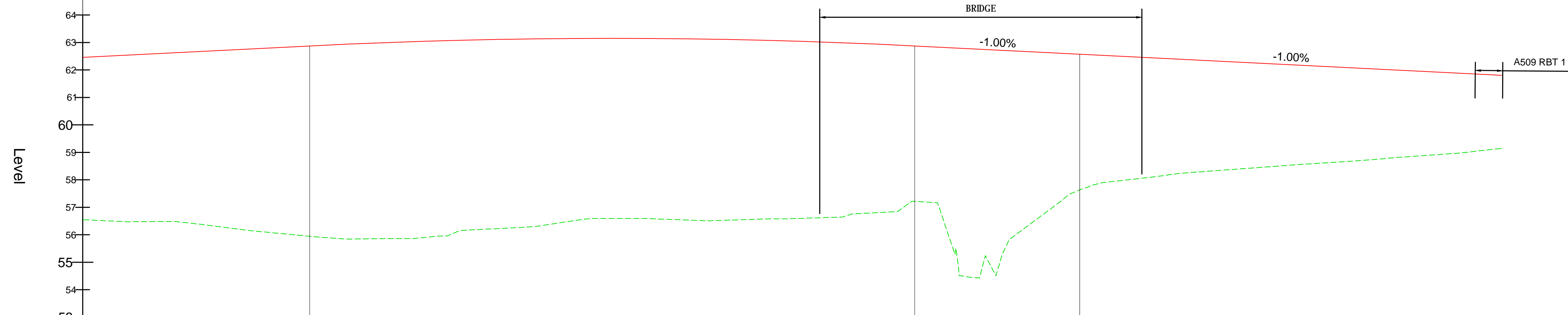
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KEY:

— PROPOSED ROAD ALIGNMENT

- - - TOPOGRAPHICAL SURVEY

LINK 107 - LONGSECTION - CH 500.000M - CH 757.972M
SCALE: H 1:500,V 1:100. DATUM: 53.000



Chainage	500.000	510.000	520.000	530.000	540.000	550.000	560.000	570.000	580.000	590.000	596.286	600.000	610.000	620.000	630.000	640.000	650.000	660.000	670.000	680.000	700.000	710.000	720.000	730.000	740.000	750.000	757.972	
Existing Levels		56.478	56.489	56.414	56.167	55.938	55.850	55.862	55.861	55.960	56.172	56.247	56.274	56.549	56.593	56.593	56.537	56.512	56.551	56.580	56.595	56.645	56.759	56.849	56.849	56.849	56.849	56.849
Proposed Levels	62.463	62.563	62.663	62.763	62.863	62.956	63.031	63.088	63.126	63.147	63.151	63.149	63.133	63.099	63.047	62.977	62.888	62.788	62.688	62.588	62.488	62.388	62.288	62.188	62.088	61.988	61.888	61.809
Level Difference	5.912	6.085	6.249	6.596	6.899	7.106	7.169	6.915	6.853	6.610	6.556	6.556	6.697	6.548	6.452	6.218	5.775	8.292	6.632	5.062	4.487	4.143	3.895	3.647	3.415	3.158	2.916	2.664
Horizontal Geometry	L = 536.541																											
Vertical Geometry	G = 1.000% L = 319.697					R = 550.000 K = 55.000 L = 110.000										G = -1.000% L = 30.000					G = -1.000% L = 76.686							

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P04	09/07/2021	OPL	NOISE BARRIER REMOVED	ARP	SAP
P03	26/03/2021	OPL	MINOR AMENDMENTS FOR PLANNING	ARP	SAP
P02	12/03/2021	OPL	ISSUED FOR PLANNING	ARP	SAP
P01	20/11/2020	GLG	FIRST ISSUE	ARP	SAP
REV	DATE	BY	DESCRIPTION	CHK	APP

DRAWING STATUS: **S4 - FOR APPROVAL**



CLIENT: **BERKELEY ST JAMES**

ARCHITECT: **JTP / STEPHEN GEORGE AND PARTNERS**

SITE/PROJECT: **MILTON KEYNES EAST**

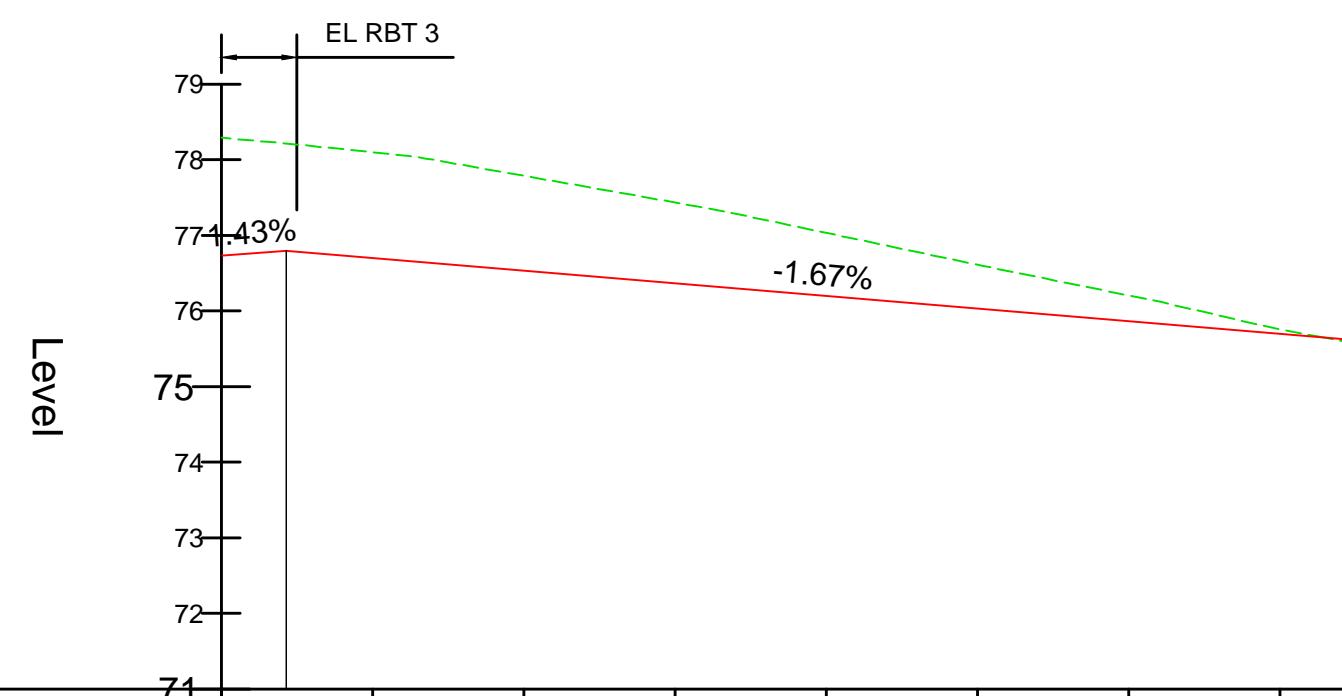
TITLE: **LINK 107 LONG SECTION
CH 500.000m - CH 757.972m
SHEET 2 OF 2**

SCALE @ A1:	CHECKED:	APPROVED:
AS SHOWN	ARP	SAP
PROJECT NO:	DESIGNED:	DRAWN:
70057521	ARP	GLG
		DATE:
		November 20

DRAWING NO:	REV:
MKE-WSP-ZZ-ZZ-C-SK-2812	P04

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LINK 505 - LONGSECTION - CH 000.000M - CH 75.000M
SCALE: H 1:500,V 1:100. DATUM: 71.000



Chainage	0.000	10.000	20.000	30.000	40.000	50.000	60.000	70.000	75.000
Proposed Levels	76.732	76.699	76.532	76.366	76.199	76.032	75.866	75.699	75.616
Existing Levels	78.292	78.100	77.790	77.437	77.034	76.613	76.207	75.761	75.573
Level Difference	1.560	1.402	1.258	1.071	0.836	0.581	0.341	0.062	-0.042
Horizontal Geometry									
Vertical Geometry	<p>G = -1.426% L = 4.304</p> <p>G = -1.667% L = 70.696</p>								

NOTES:

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2. ALL LEVELS ARE IN METRES ABOVE ORDNANCE DATUM NEWLYN (AOD).
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KEY:

- PROPOSED ROAD ALIGNMENT
- - - TOPOGRAPHICAL SURVEY

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P04	25/06/2021	OPL	EASTERN LINK ROUNDABOUT 3 REALIGNED	ARP	SAP
P03	26/03/2021	OPL	MINOR AMENDMENTS FOR PLANNING	ARP	SAP
P02	12/03/2021	OPL	ISSUED FOR PLANNING	ARP	SAP
P01	20/11/2020	GLG	FIRST ISSUE	ARP	SAP
REV	DATE	BY	DESCRIPTION	CHK	APP

DRAWING STATUS: S4 - FOR APPROVAL



CLIENT: BERKELEY ST JAMES

ARCHITECT: JTP / STEPHEN GEORGE AND PARTNERS

SITE/PROJECT: MILTON KEYNES EAST

TITLE: LINK 505 LONG SECTION
CH 000.000m - CH 75.000m

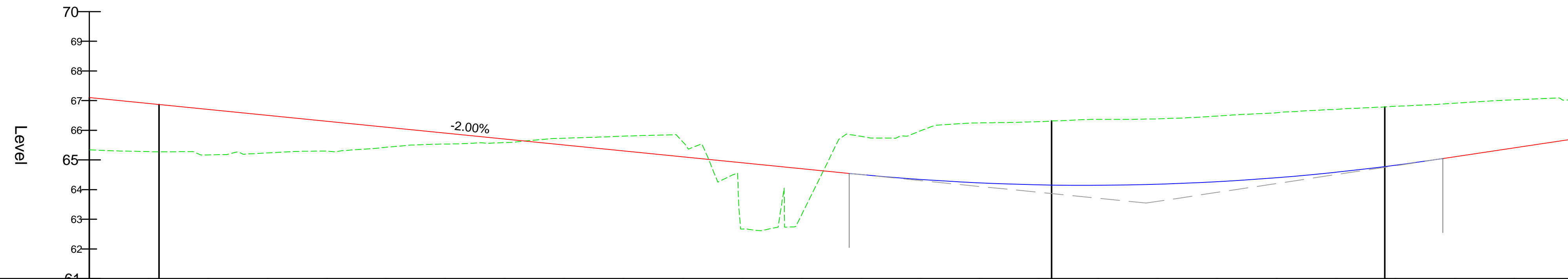
SCALE @ A1: AS SHOWN
CHECKED: ARP
APPROVED: SAP

PROJECT NO: 70057521
DESIGNED: ARP
DRAWN: GLG
DATE: November 20

DRAWING No: MKE-WSP-ZZ-ZZ-C-SK-2827
REV: P04

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LINK 109 NORTHBOUND CARRIAGEWAY - CH 0.000M - CH 250.000M
SCALE: H 1:500,V 1:100. DATUM: 61.000



Chainage	0.000	10.000	20.000	30.000	40.000	50.000	60.000	70.000	80.000	90.000	100.000	110.000	120.000	130.000	140.000	150.000	160.000	170.000	180.000	190.000	200.000	210.000	220.000	230.000	240.000	250.000
Existing Levels	67.106	66.906	66.706	66.506	66.306	66.106	65.906	65.706	65.506	65.306	65.106	64.906	64.706	64.507	64.342	64.227	64.162	64.147	64.182	64.267	64.402	64.587	64.822	65.106	65.406	65.706
Proposed Levels	67.106	66.906	66.706	66.506	66.306	66.106	65.906	65.706	65.506	65.306	65.106	64.906	64.706	64.507	64.342	64.227	64.162	64.147	64.182	64.267	64.402	64.587	64.822	65.106	65.406	65.706
Level Difference	-1.767	-1.626	-1.535	-1.271	-1.009	-0.681	-0.372	-0.121	0.226	0.497	0.497	-2.233	-1.555	1.290	1.635	2.022	2.125	2.219	2.203	2.213	2.180	2.119	1.988	1.805	1.620	1.324
Horizontal Geometry	R: 1370.462 L: 11.764		R: 361.000 L: 150.337														L=56.126				R: 1021.000 L: 119.947					
Vertical Geometry	G = -2.000% L = 128.074												R = 2000.000 K = 20.000 L = 100.000				G = 3.008% L = 44.465									

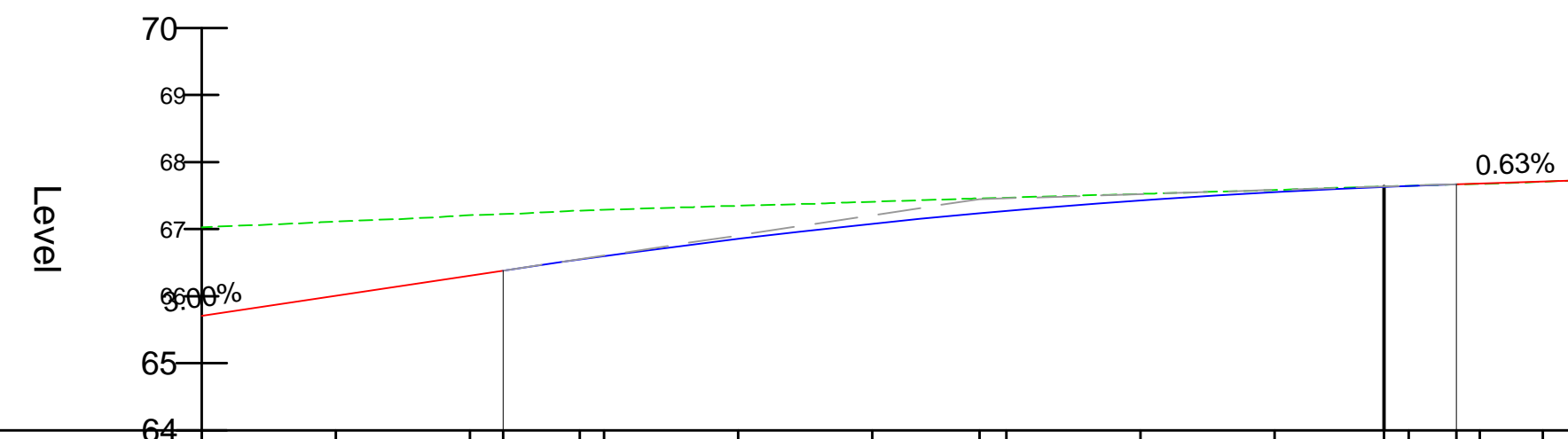
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KEY:

— PROPOSED ROAD ALIGNMENT

- - - TOPOGRAPHICAL SURVEY

LINK 109 NORTHBOUND CARRIAGEWAY - CH 250.000M - CH 352.458M
SCALE: H 1:500,V 1:100. DATUM: 64.000



Chainage	250.000	260.000	270.000	272.458	278.200	280.000	290.000	300.000	308.015	310.000	320.000	330.000	338.173	340.000	343.550	345.318	350.000	352.458
Existing Levels	65.706	66.006	66.306	66.380	66.546	66.596	66.854	67.079	67.236	67.271	67.429	67.554	67.631	67.646	67.670	67.681	67.711	67.726
Proposed Levels	65.706	66.006	66.306	66.380	66.546	66.596	66.854	67.079	67.236	67.271	67.429	67.554	67.631	67.646	67.670	67.681	67.711	67.726
Level Difference	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Horizontal Geometry	R: 1021.000 L: 119.947														R: 10921.990 L: 14.284			
Vertical Geometry	G = 3.008% L = 44.465				R = 3000.000 K = 30.000 L = 71.070								G = 0.631% L = 8.908					

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

PO1	03/09/2021	OPL	FIRST ISSUE	ARP	SAP
REV	DATE	BY	DESCRIPTION	CHK	APP

DRAWING STATUS: S4 - FOR APPROVAL



CLIENT: BERKELEY ST JAMES

ARCHITECT: JTP / STEPHEN GEORGE AND PARTNERS

SITE/PROJECT: MILTON KEYNES EAST

TITLE: LINK 109 NORTHBOUND LONG SECTION
CH 0m - CH 352.458m

SCALE @ A1: AS SHOWN

CHECKED: ARP

APPROVED: SAP

PROJECT NO: 70057521

DESIGNED: ARP

DRAWN: GLG

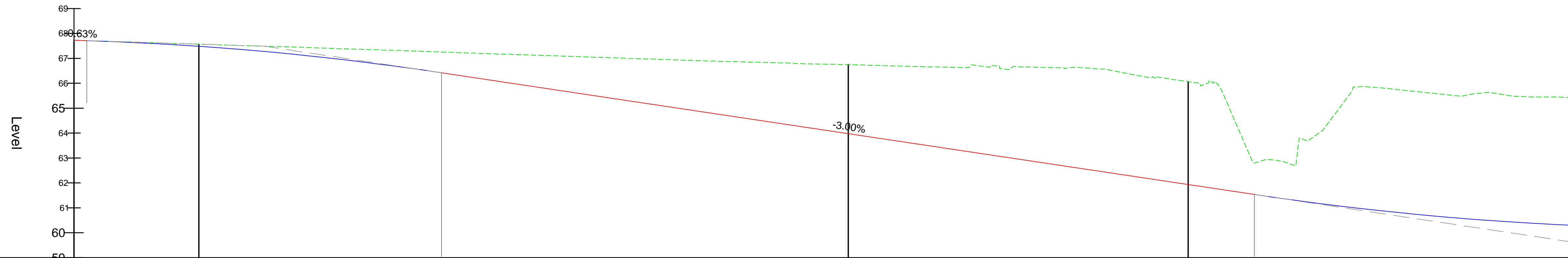
DATE: November 20

DRAWING NO: MKE-WSP-ZZ-ZZ-C-SK-2810

REV: P01

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LINK 109 SOUTHBOUND CARRIAGEWAY - LONGSECTION CH 0.000M - 300.000M
SCALE: H 1:500,V 1:100. DATUM: 59.000



Chainage	0.000	10.000	20.000	30.000	40.000	50.000	60.000	70.000	80.000	90.000	100.000	110.000	120.000	130.000	140.000	150.000	160.000	170.000	180.000	190.000	200.000	210.000	220.000	230.000	240.000	250.000	260.000	270.000	280.000	290.000	300.000
Existing Levels	67.726	67.660	67.600	67.537	67.477	67.411	67.346	67.280	67.208	67.141	67.075	67.006	66.940	66.879	66.825	66.766	66.719	66.666	66.734	66.657	66.639	66.429	66.196	65.666	62.923	64.093	65.843	65.643	65.564	65.467	65.428
Proposed Levels	67.726	67.654	67.549	67.411	67.240	67.036	66.798	66.526	66.228	65.928	65.628	65.328	65.028	64.728	64.428	64.128	63.828	63.528	63.228	62.928	62.628	62.328	62.028	61.728	61.431	61.159	60.921	60.716	60.544	60.406	60.301
Level Difference	0.000	0.006	0.050	0.125	0.236	0.375	0.548	0.753	0.980	1.213	1.447	1.678	1.912	2.151	2.397	2.637	2.891	3.137	3.506	3.729	4.010	4.101	4.128	3.937	1.493	2.934	4.922	4.927	5.020	5.060	5.127
Horizontal Geometry	R: 10921.987 L: 25.000		L = 130.106														L: 68.100				R: 360.000 L: 292.109										
Vertical Geometry	G = -0.631% L = 24.950		R = 3000.000 K = 30.000 L = 71.062														G = -3.000% L = 162.858				R = 3000.000 K = 30.000 L = 165.000										

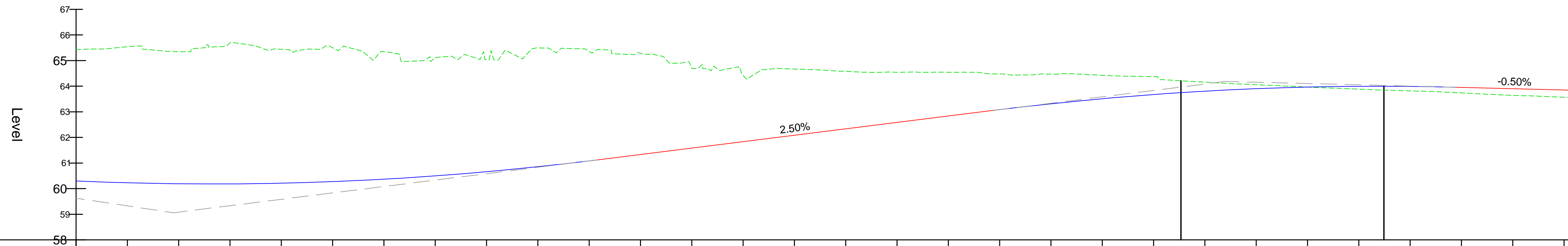
- NOTES:
1. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE STATED.
 2. ALL LEVELS ARE IN METRES ABOVE ORDNANCE DATUM NEWLYN (AOD).
 3. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH ALL RELEVANT DOCUMENTATION, DRAWINGS AND STANDARD DETAILS.
 4. THIS DRAWING IS NOT TO BE REPRODUCED IN ANY PART OF FORM WITHOUT PRIOR CONSENT FROM WSP UK LIMITED, ALL COPY RIGHT RESERVED.
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KEY:

— PROPOSED ROAD ALIGNMENT

- - - TOPOGRAPHICAL SURVEY

LINK 109 SOUTHBOUND CARRIAGEWAY - LONGSECTION CH 300.000M - 591.552M
SCALE: H 1:500,V 1:100. DATUM: 58.000



Chainage	300.000	310.000	320.000	330.000	340.000	350.000	360.000	370.000	380.000	390.000	400.000	410.000	420.000	430.000	440.000	450.000	460.000	470.000	480.000	490.000	500.000	510.000	520.000	530.000	540.000	550.000	560.000	570.000	580.000	591.552
Existing Levels	65.428	65.540	65.349	65.697	65.440	65.498	65.356	65.123	65.035	65.495	65.359	65.285	64.712	64.415	64.670	64.581	64.541	64.541	64.479	64.470	64.427	64.377	64.158	64.059	63.967	63.884	63.818	63.738	63.643	63.554
Proposed Levels	60.301	60.230	60.191	60.187	60.215	60.277	60.372	60.500	60.662	60.857	61.086	61.335	61.585	61.835	62.085	62.335	62.585	62.835	63.085	63.315	63.512	63.675	63.905	63.901	63.965	63.995	63.991	63.965	63.905	63.845
Level Difference	5.127	5.310	5.157	5.510	5.225	5.221	4.984	4.623	4.373	4.637	4.273	3.950	3.127	2.580	2.585	2.246	1.956	1.706	1.393	1.155	0.915	0.702	0.363	0.158	0.002	-0.110	-0.173	-0.217	-0.261	-0.288
Horizontal Geometry	R: 360.000 L: 292.109																R: 1020.000 L: 39.554				R: 270.946 L: 36.683									
Vertical Geometry	R = 3000.000 K = 30.000 L = 165.000												G = 2.500% L = 77.515				R = 3000.000 K = 30.000 L = 90.000				G = -0.500% L = 22.969									

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

PO1	03/09/2021	DPL	FIRST ISSUE	WP	SW
REV	DATE	BY	DESCRIPTION	CHK	APP

DRAWING STATUS: **S4 - FOR APPROVAL**



CLIENT: **BERKELEY ST JAMES**

ARCHITECT: **JTP / STEPHEN GEORGE AND PARTNERS**

SITE/PROJECT: **MILTON KEYNES EAST**

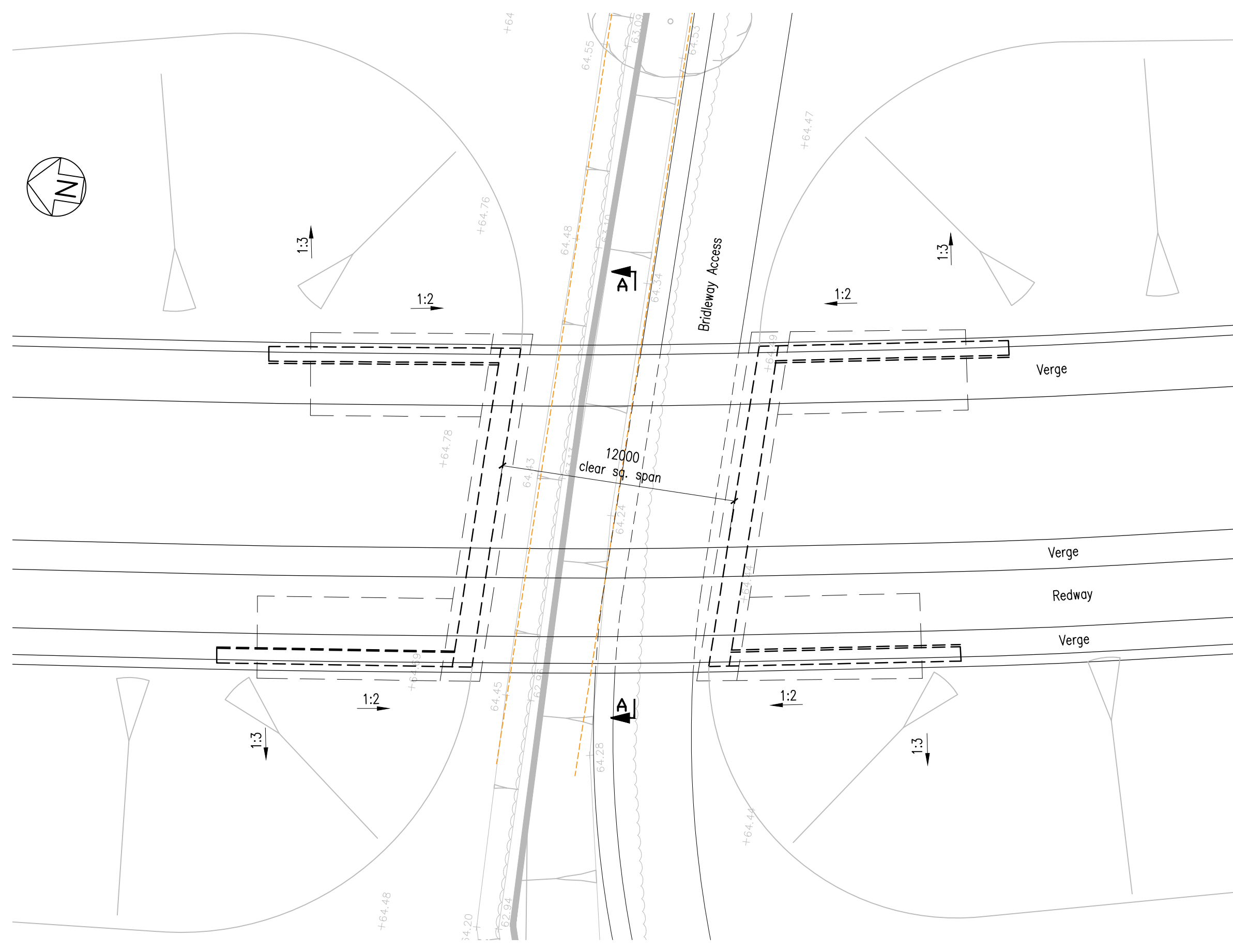
TITLE: **LINK 109 SOUTHBOUND LONG SECTION
CH 0m - CH 591.552m**

SCALE @ A1:	AS SHOWN	CHECKED:	ARP	APPROVED:	SAP
PROJECT NO:	70057521	DESIGNED:	ARP	DRAWN:	GLG
				DATE:	November 20

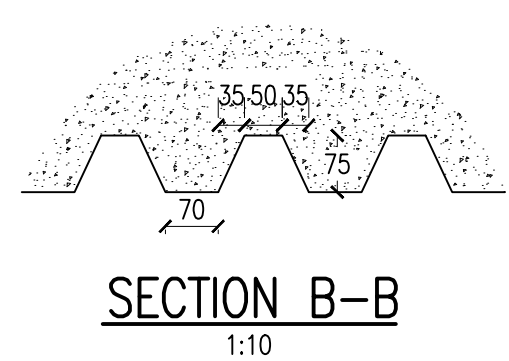
DRAWING NO: **MKE-WSP-ZZ-ZZ-C-SK-2810** REV: **P01**

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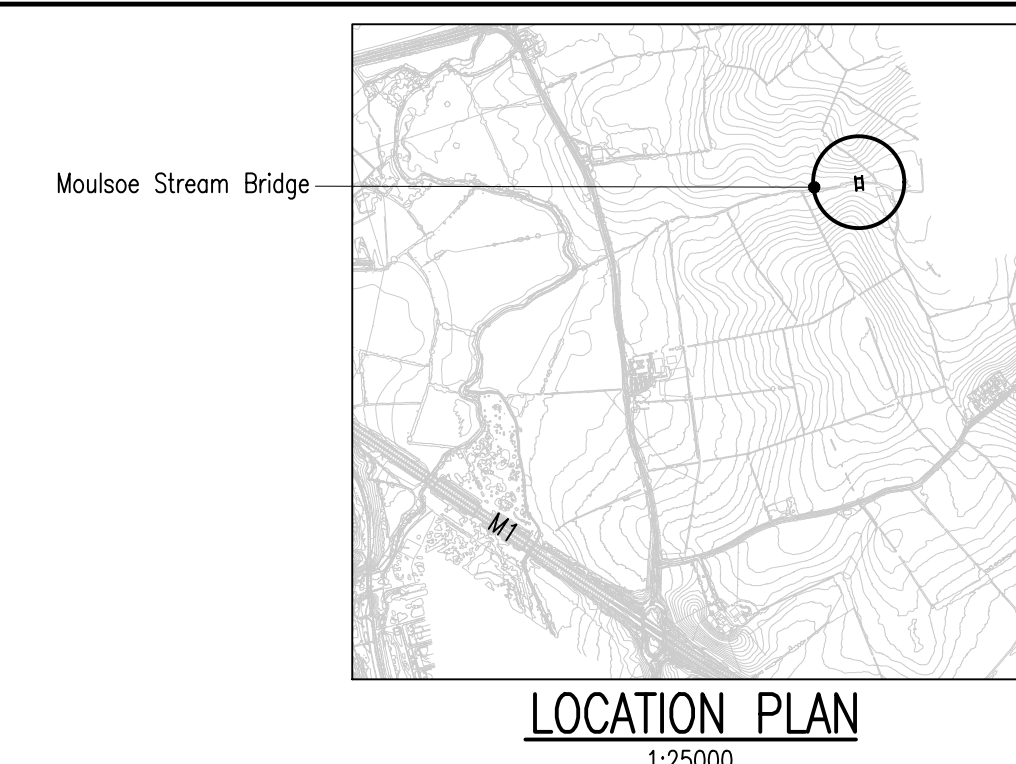
File name: I:\UK\WSP\GROUP\COMMON\DATA\PROJECTS\70057521 - MKE - PLANNING APPLICATIONS\DRAWINGS\MKE-WSP-ZZ-ZZ-C-SK-2810.DWG, printed on: 03 September 2021 15:30:00, by: Pamel-Lowe, China



PLAN
1:200

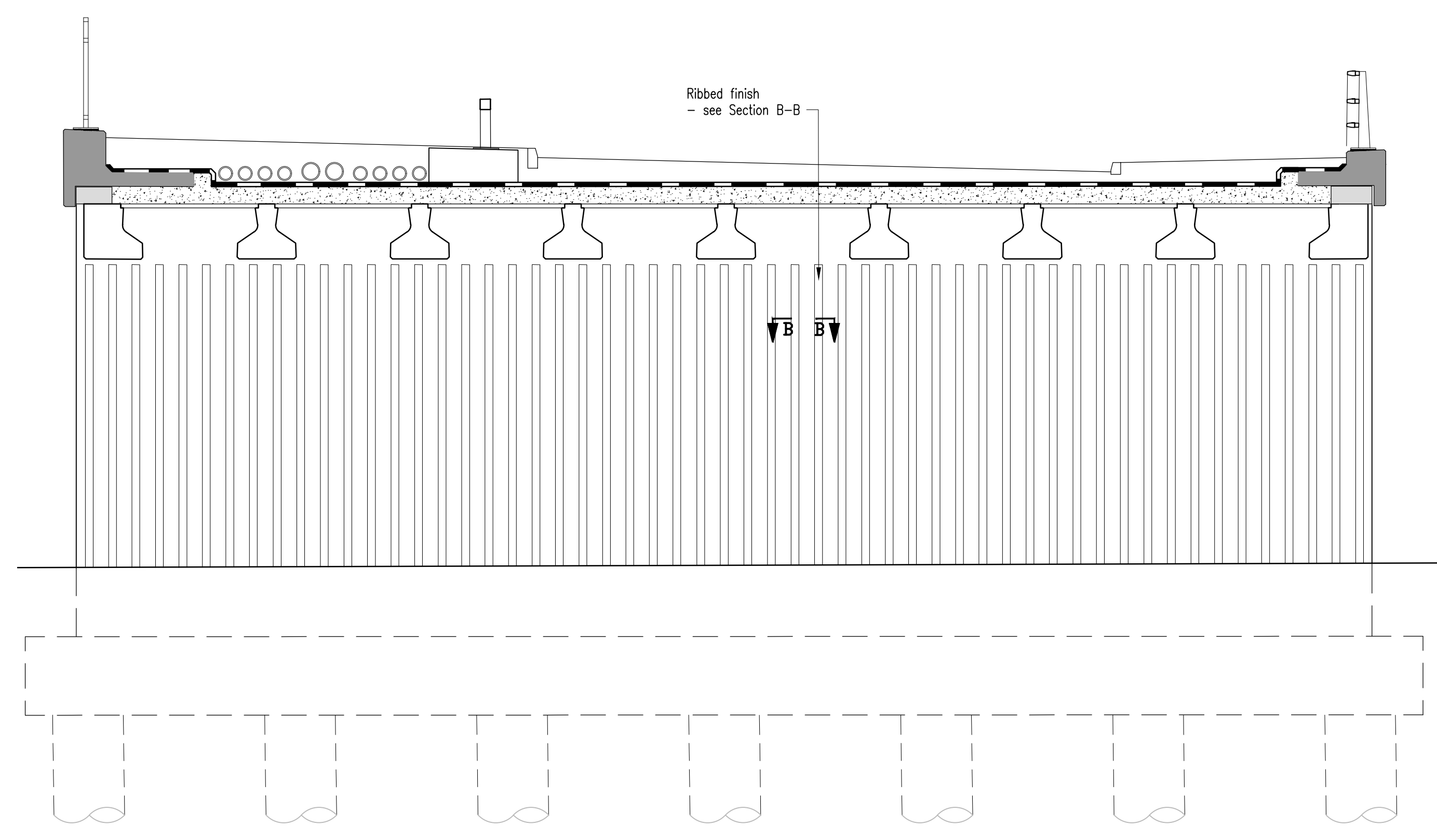


SECTION B-B
1:10

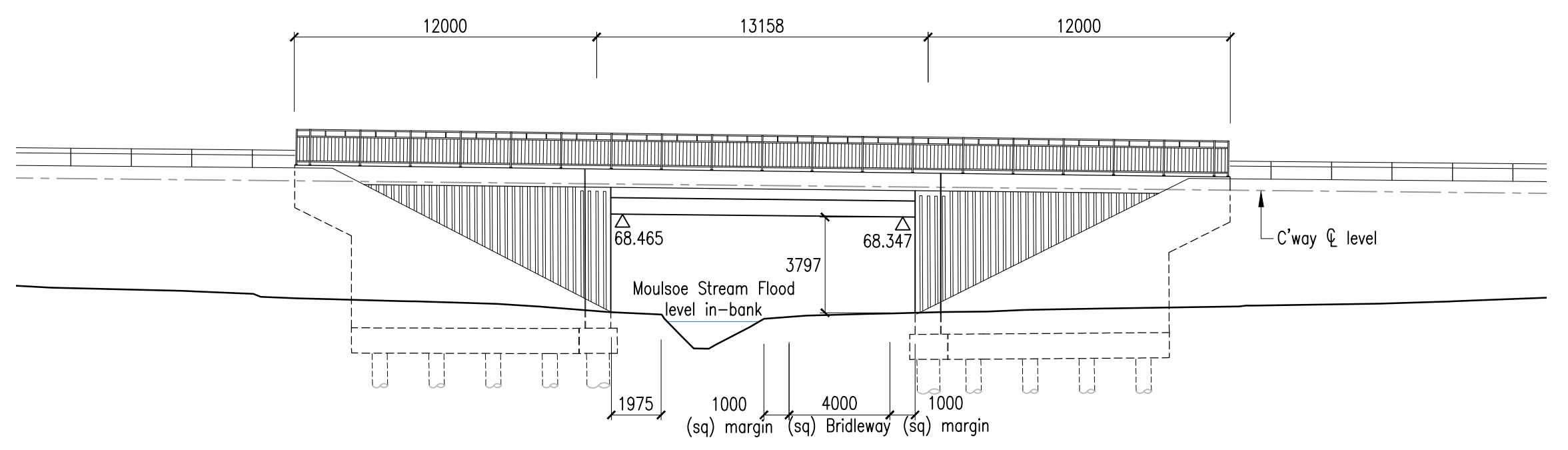


LOCATION PLAN
1:25000

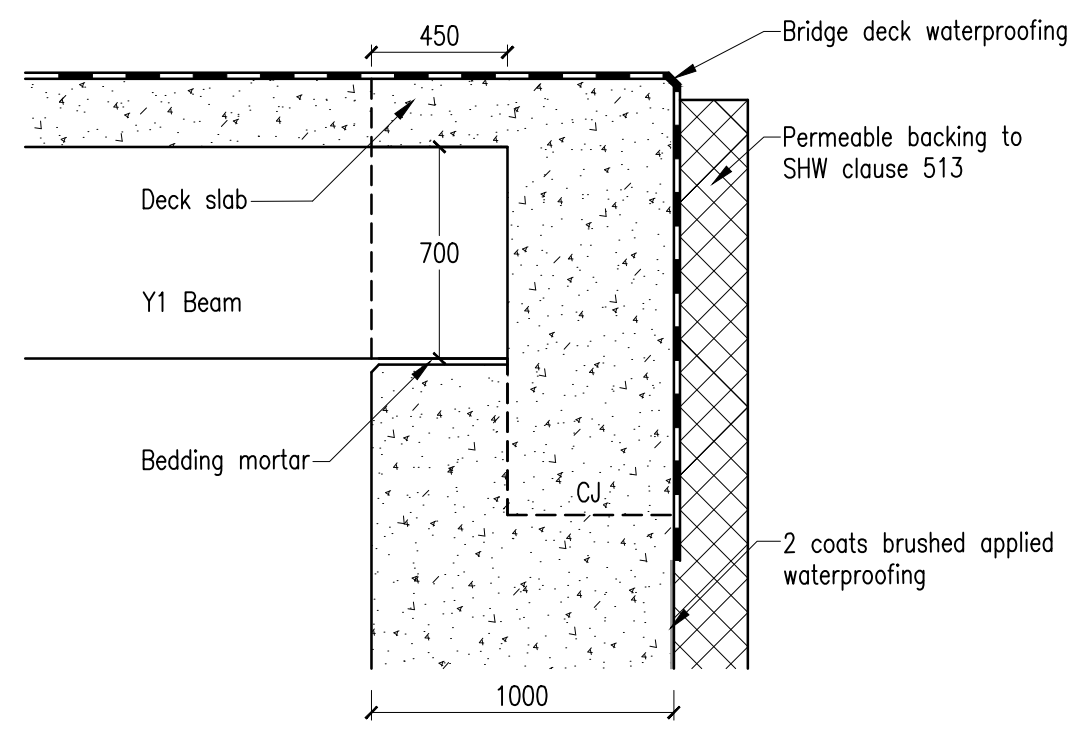
- NOTES**
1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE.
 2. ALL LEVELS ARE IN METERS TO ORDNANCE DATUM UNLESS NOTED OTHERWISE.



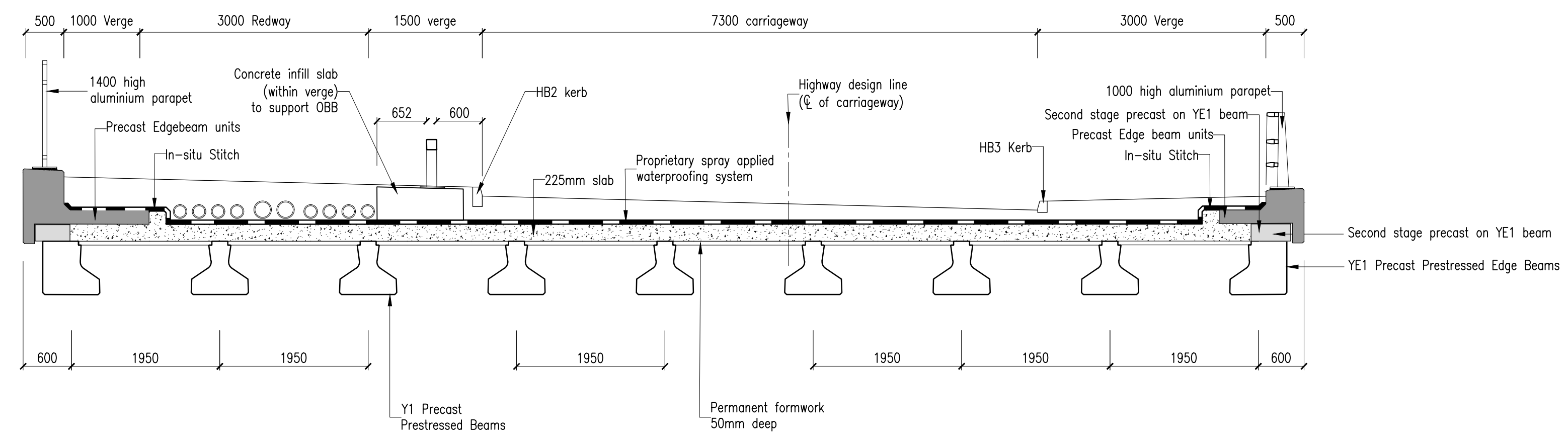
NORTH ABUTMENT ELEVATION
1:50



WEST ELEVATION (EAST ELEVATION SIMILAR BUT HANDED)
1:200



DECK END DETAIL
1:25



SECTION A-A
1:50

REV	DATE	BY	DESCRIPTION	CHK	APP
P03	14/06/21	AWT	BRIDLEWAY CROSS SECTION AMENDED. ACOUSTIC BARRIER REMOVED.	RBP	JSCS
P02	26/03/21	AWT	NOTE 3 ADDED. SECTION B-B REVISED.	RBP	JSCS
P01	11/02/21	CPW	INITIAL ISSUE	RBP	JSCS

DRAWING STATUS: **S2-FOR INFORMATION**

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CLIENT: **BERKELEY STRATEGIC**

ARCHITECT:

SITE/PROJECT: **MILTON KEYNES EAST**

TITLE: **89422 MOULSOE STREAM BRIDGE**

SCALE @ A1:	AS SHOWN	CHECKED:	JSCS	APPROVED:	PD
PROJECT No:	70014859	DESIGN:	JSCS	DRAWN:	CPW
				DATE:	May 21

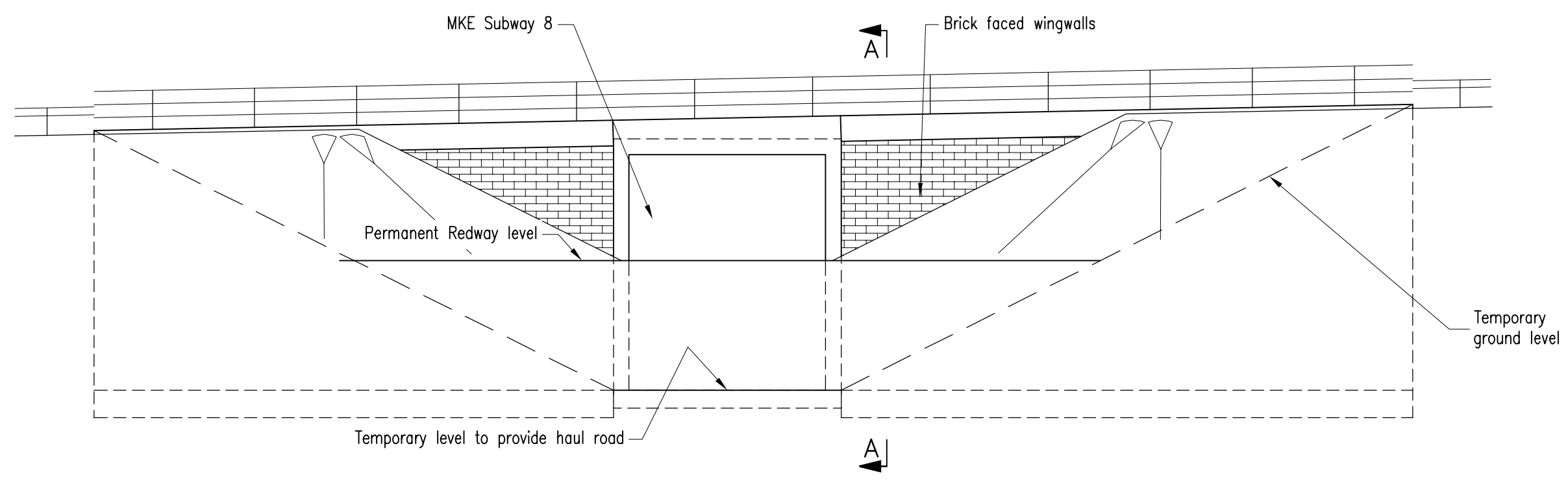
DRAWING No:	MKE-WSP-CBR-MSB-DR-BR-001	REV:	P03
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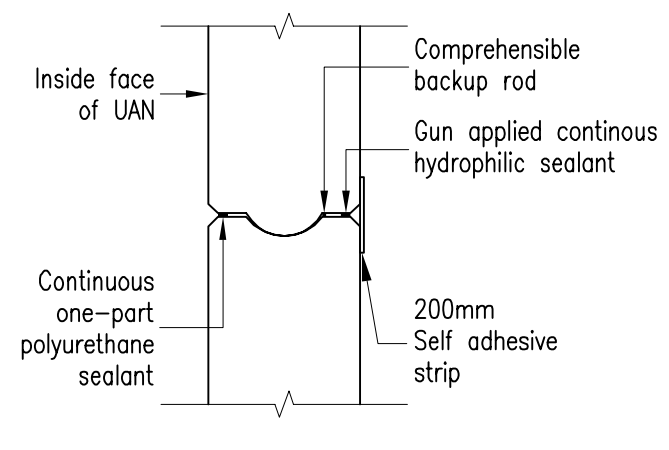
\\uk.wspgroup.com\central_data\projects\70076xxx\70076327 - mke dd stage\03 wip br bridge engineer\ve models and drawings\bb4_moulsoe stream (non-nit)\mke-wsp-cbr-msb-dr-br-001 awt 0507.0wg, 14/06/2021 09:41, Egan, Conar



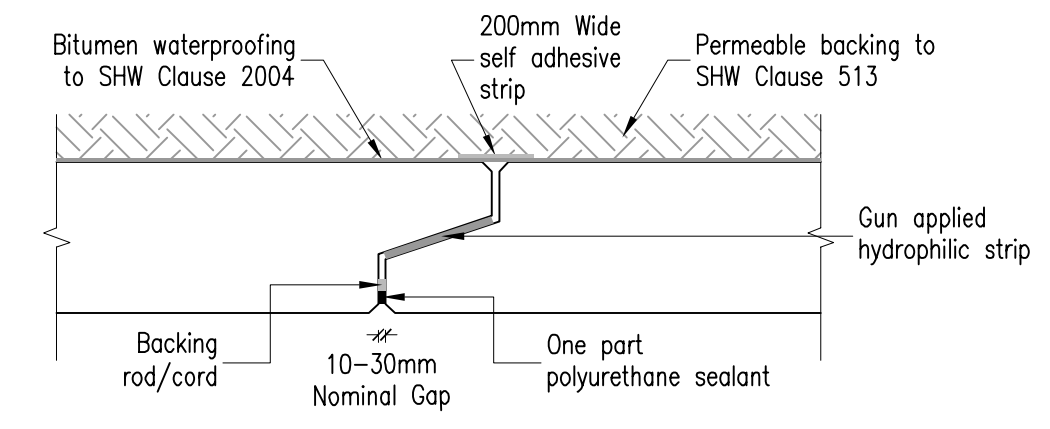
MKE SUBWAY 8 PLAN
1:250



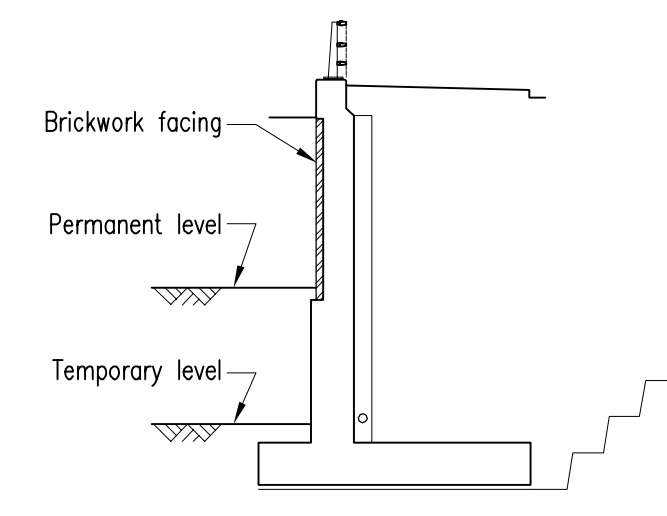
TYPICAL HEADWALL ELEVATION
1:125



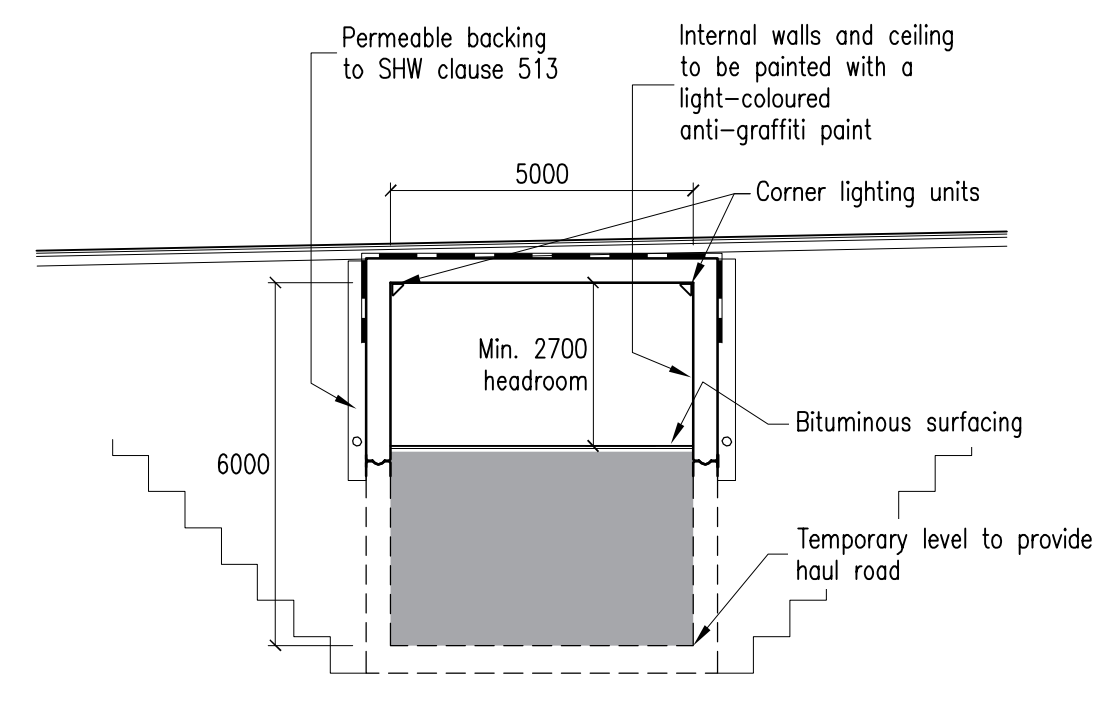
TYPICAL KNUCKLE JOINT DETAIL
1:20



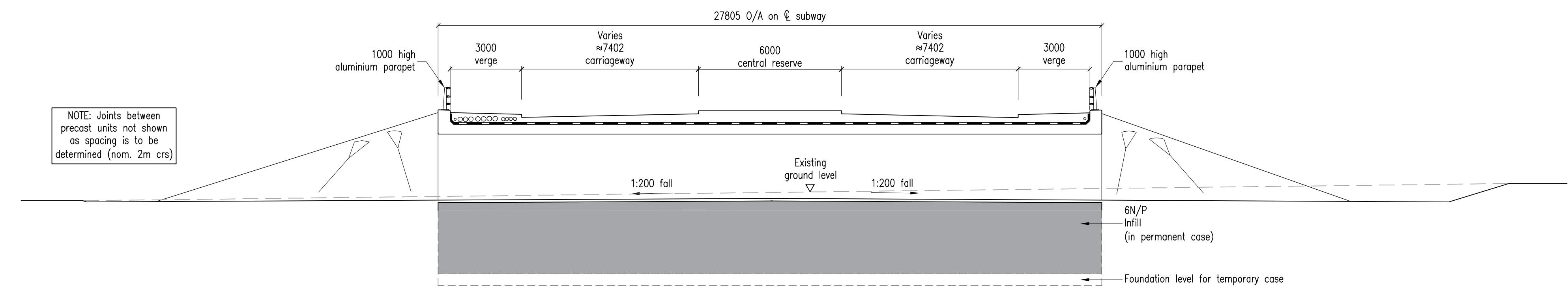
DETAIL OF JOINT BETWEEN PRECAST UNITS
1:20



SECTION A-A
1:125



TYPICAL SUBWAY CROSS SECTION
1:125



MKE SUBWAY 8 LONG SECTION
1:125

NOTE: Joints between precast units not shown as spacing is to be determined (nom. 2m crs)

- NOTES
1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
 2. ALL LEVELS ARE IN METRES TO ORDNANCE DATUM UNLESS NOTED OTHERWISE.

REV	DATE	BY	DESCRIPTION	CHK	APP
P01	18/06/21	AWT	INITIAL ISSUE	JSCS	JSCS

DRAWING STATUS: **S2-FOR INFORMATION**

CLIENT: **BERKELEY STRATEGIC**

ARCHITECT:

SITE/PROJECT: **MILTON KEYNES EAST**

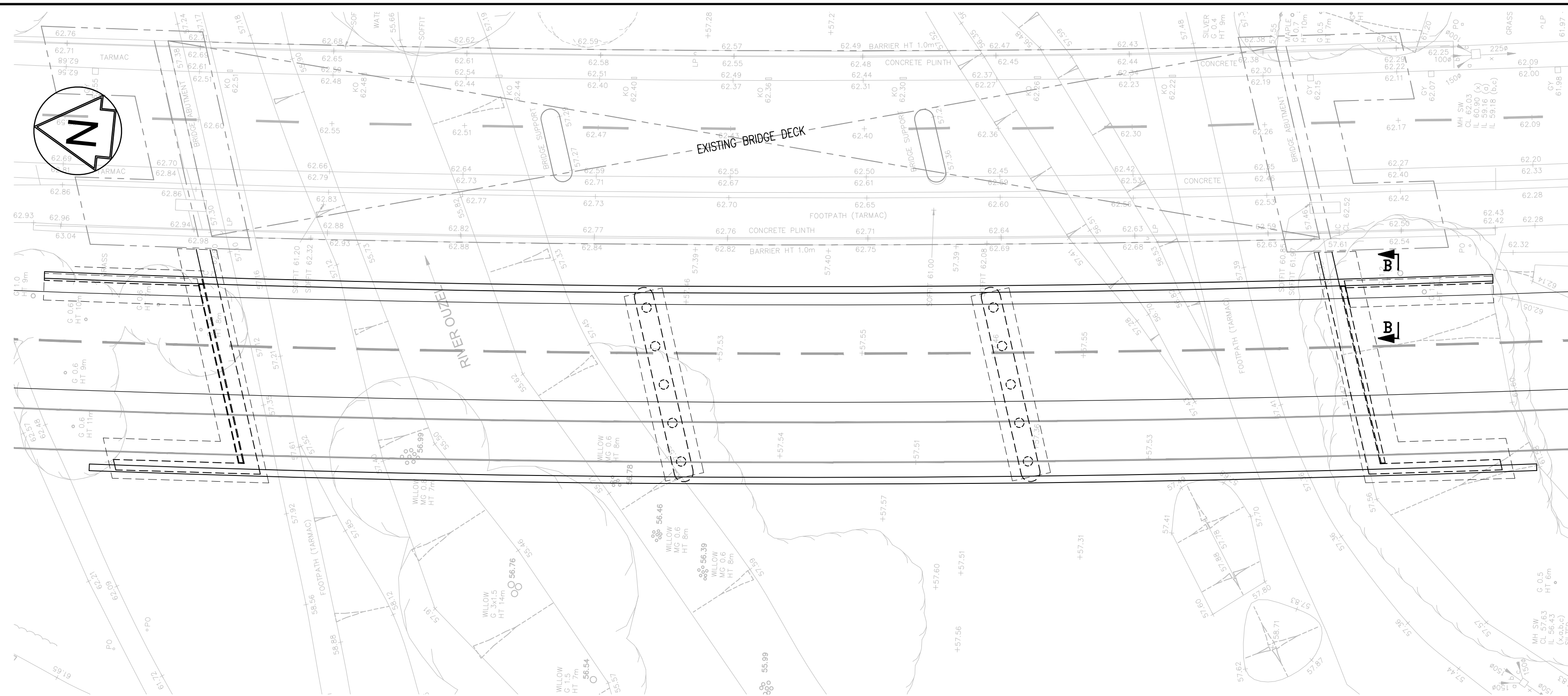
TITLE: **MKE SUBWAY 8 PLAN, ELEVATION & SECTIONS**

SCALE @ A1:	AS SHOWN	CHECKED:	JSCS	APPROVED:	PD
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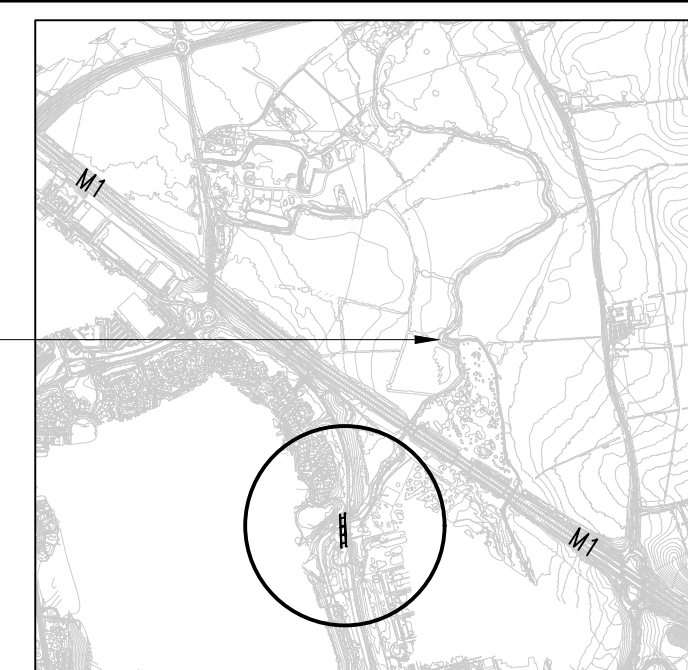
PROJECT No:	DESIGN:	DRAWN:	DATE:
70014859	JSCS	AWT	June 21

DRAWING No:	REV:
MKE-WSP-CBR-SW8-DR-BR-001	P01

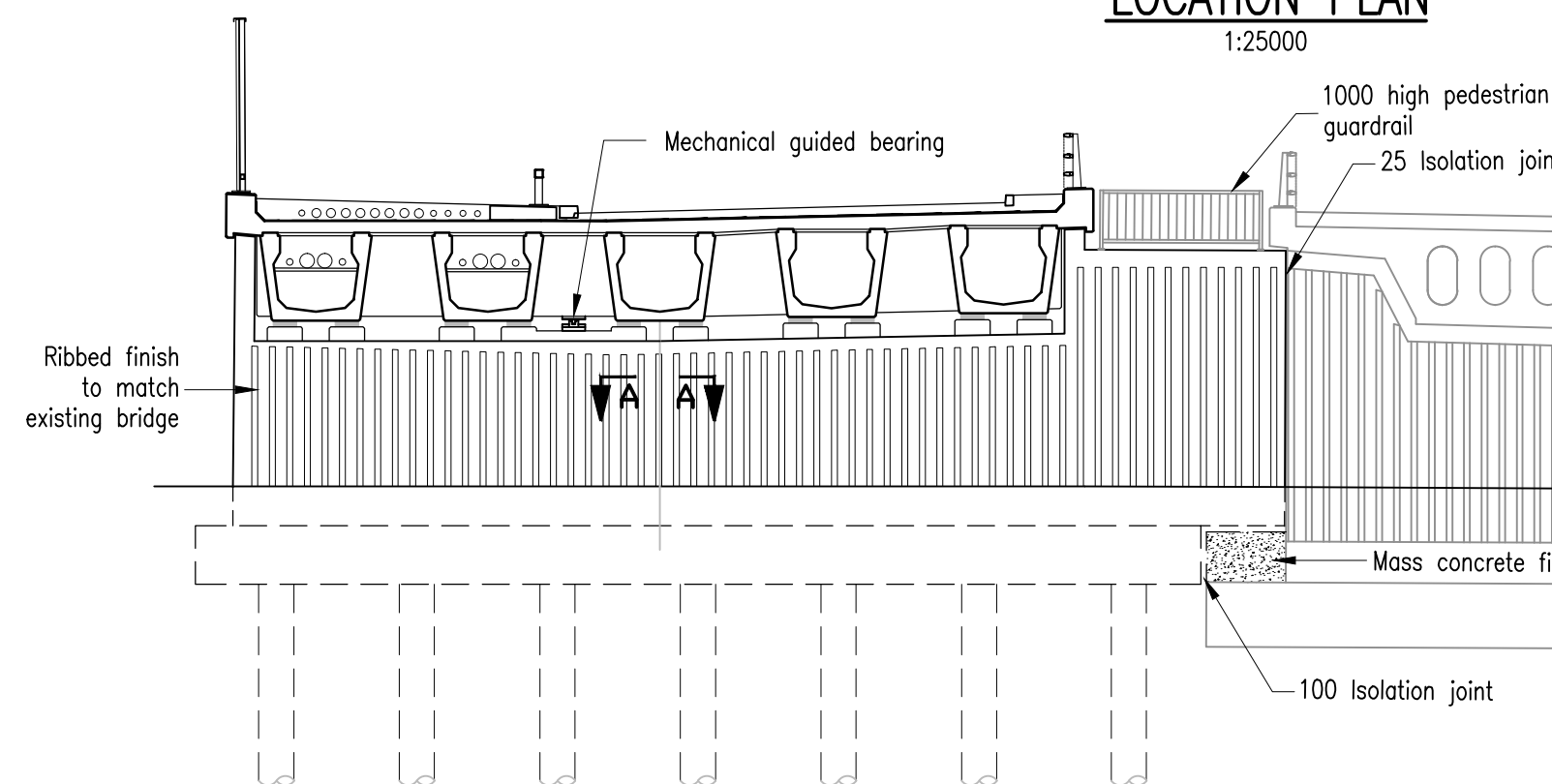
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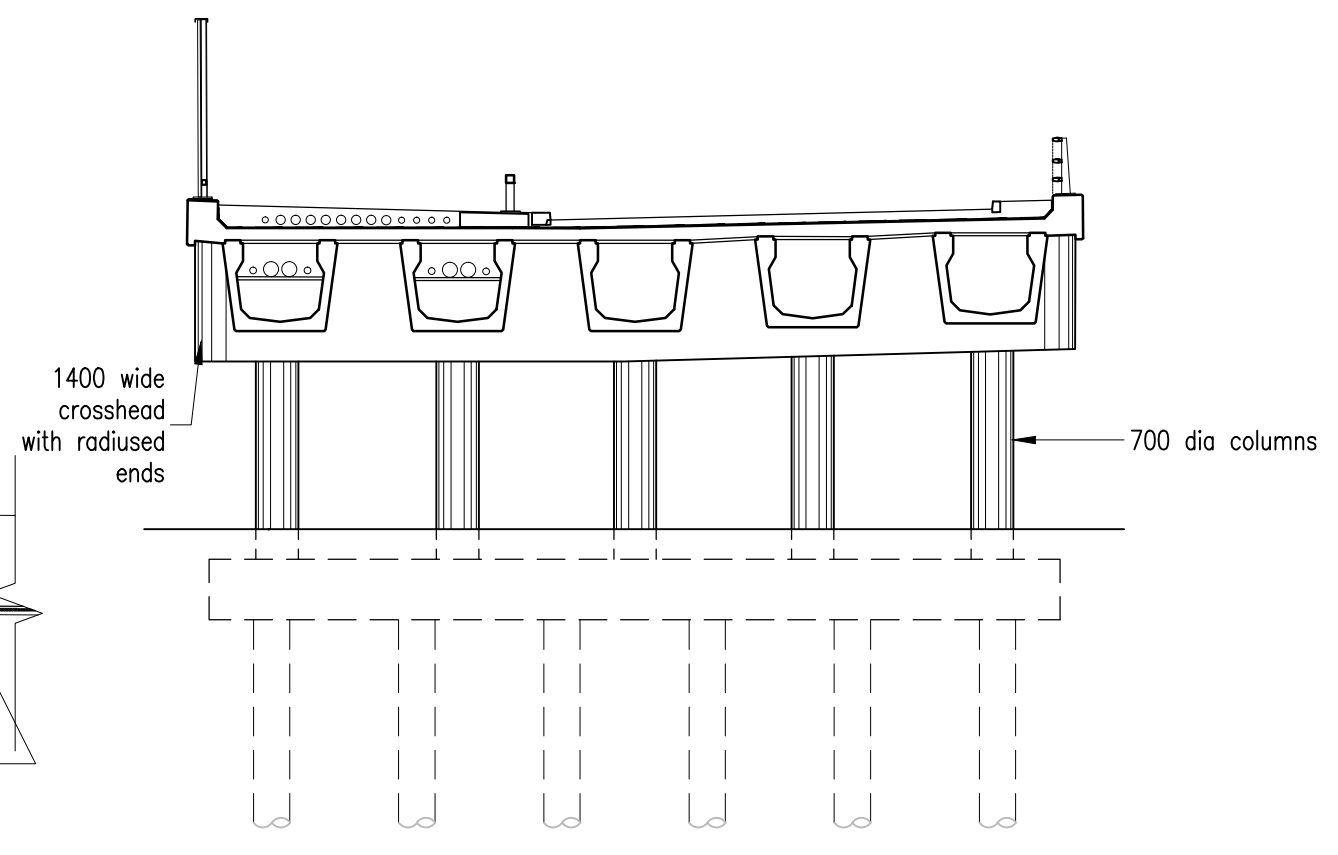
PLAN
1:250



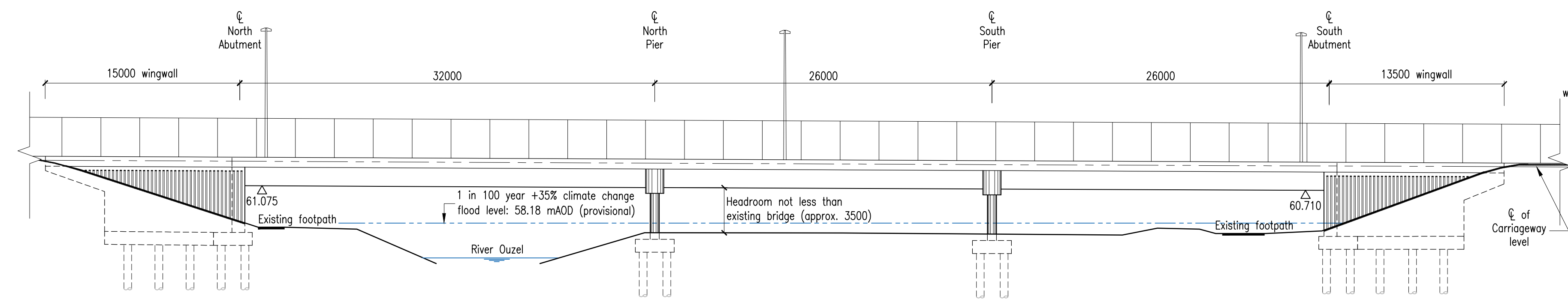
LOCATION PLAN
1:25000



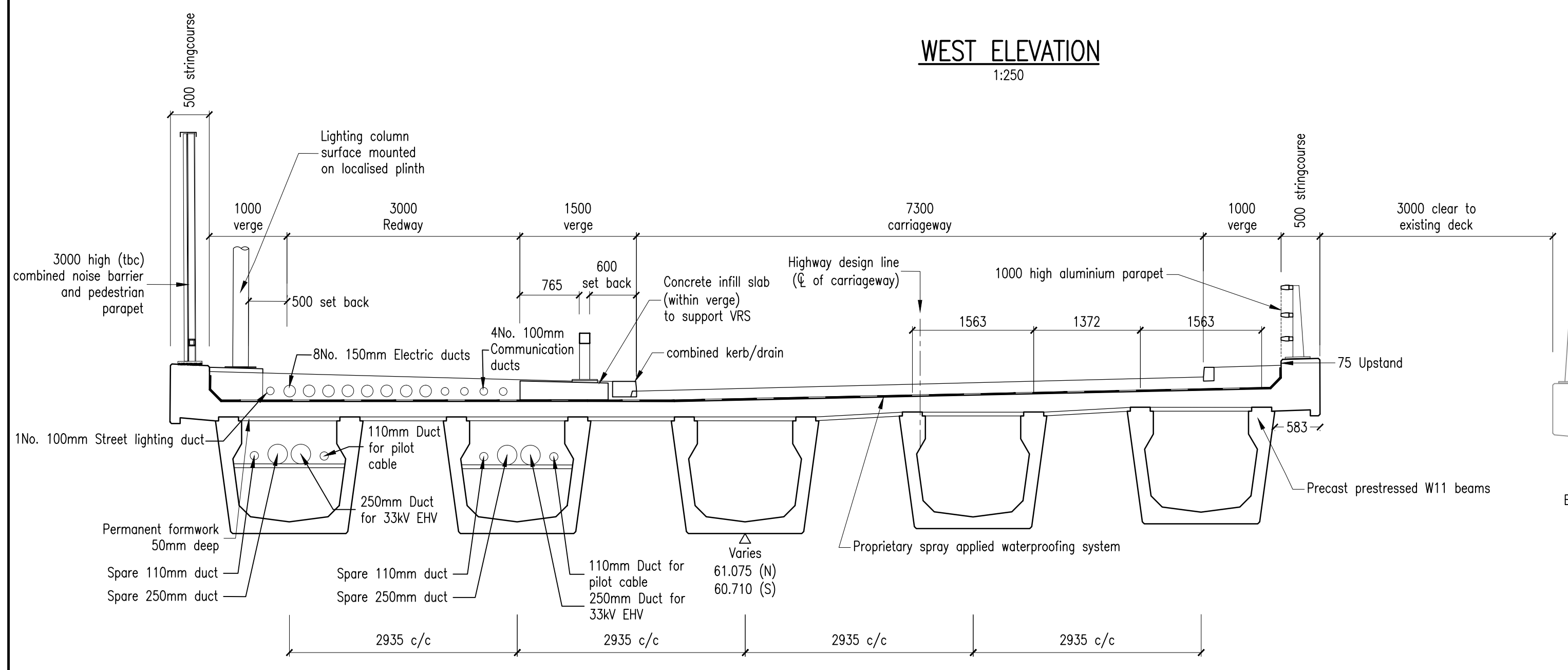
ABUTMENT ELEVATION
1:125



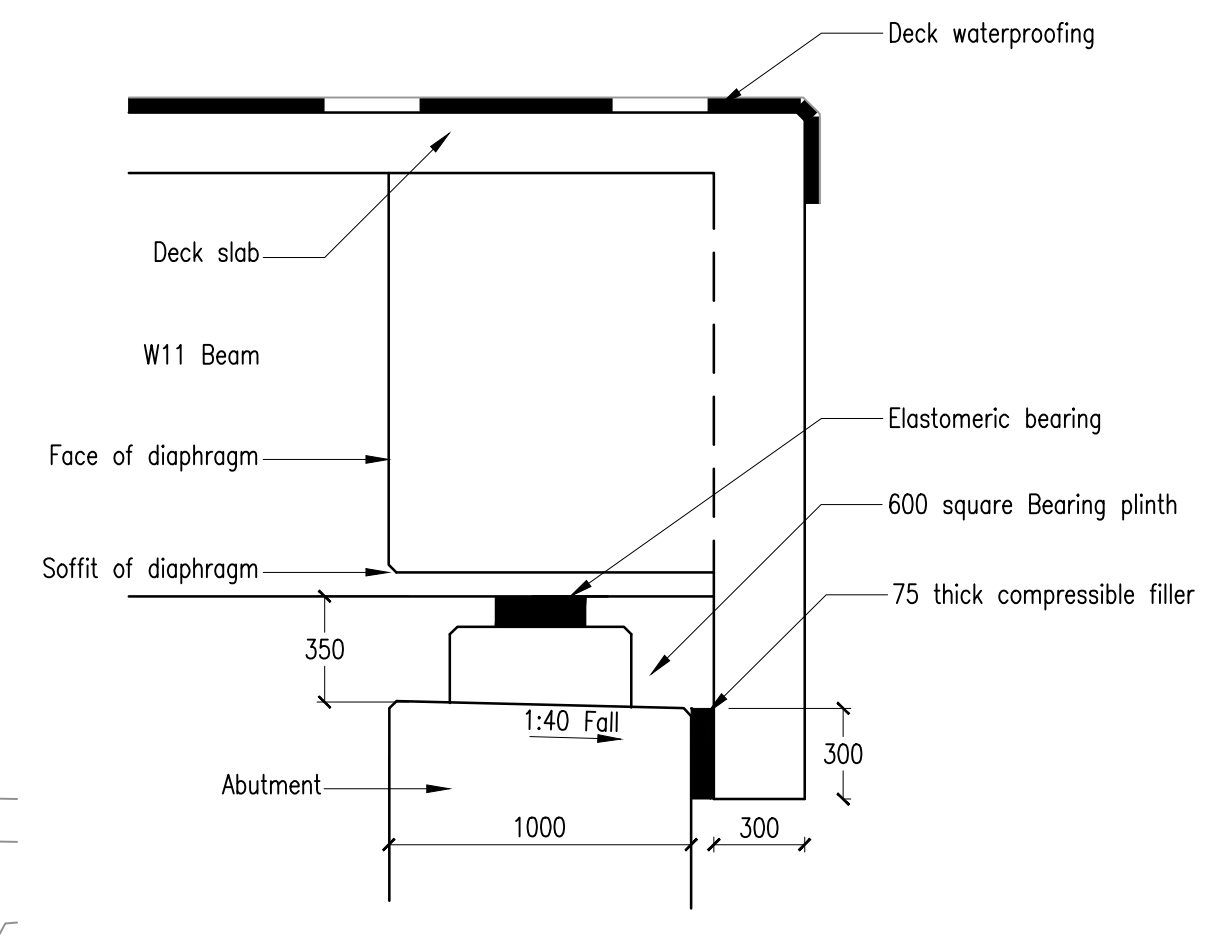
PIER ELEVATION
1:125



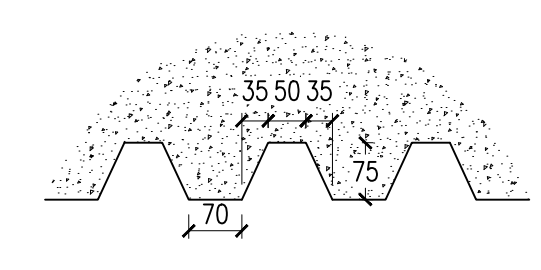
WEST ELEVATION
1:250



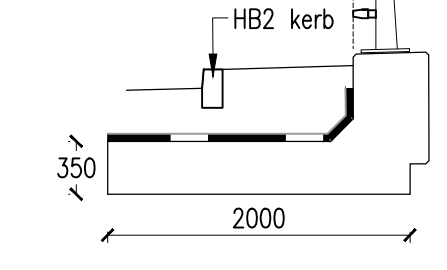
DECK CROSS SECTION
1:50



END OF DECK DETAIL
1:25



SECTION A-A
1:10



SECTION B-B
1:50

- NOTES
- ALL DIMENSIONS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE.
 - ALL LEVELS ARE IN METERS TO ORDNANCE DATUM UNLESS NOTED OTHERWISE.

REV	DATE	BY	DESCRIPTION	CHK	APP
P08	12/08/21	MT	SERVICE DUCTS REVISED.	JSCS	JBT
P07	13/07/21	CE	NOISE BARRIER REINSTATED.	JSCS	JBT
P06	01/06/21	AWT	NOISE BARRIER REMOVED. ABUTMENT ELEVATION UPDATED. ADDITIONAL EXISTING STRUCTURE DETAILS ADDED.	RBP	JSCS
P05	26/03/21	AWT	NOTE 3 ADDED. SECTION A-A REVISED.	JSCS	JSCS
P04	20/01/21	CPW	GENERAL REVISIONS.	RBP	JSCS
P03	16/11/20	CPW	WEST ELEVATION: RIVER OUZEL PROFILE NOW SHOWN AT W PIER LOCATION. PILES ADDED.	JSCS	JSCS
P02	28/10/20	CPW	DECK LEVEL RAISED 0.2m. PLUS REVISIONS AS CLOUDED.	JSCS	JSCS
P01	14/10/20	CPW	INITIAL ISSUE	JSCS	JSCS

DRAWING STATUS: **S2-FOR INFORMATION**

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CLIENT: **BERKELEY STRATEGIC**

ARCHITECT:

SITE/PROJECT: **MILTON KEYNES EAST**

TITLE: **TONGWELL STREET NORTHBOUND BRIDGE**

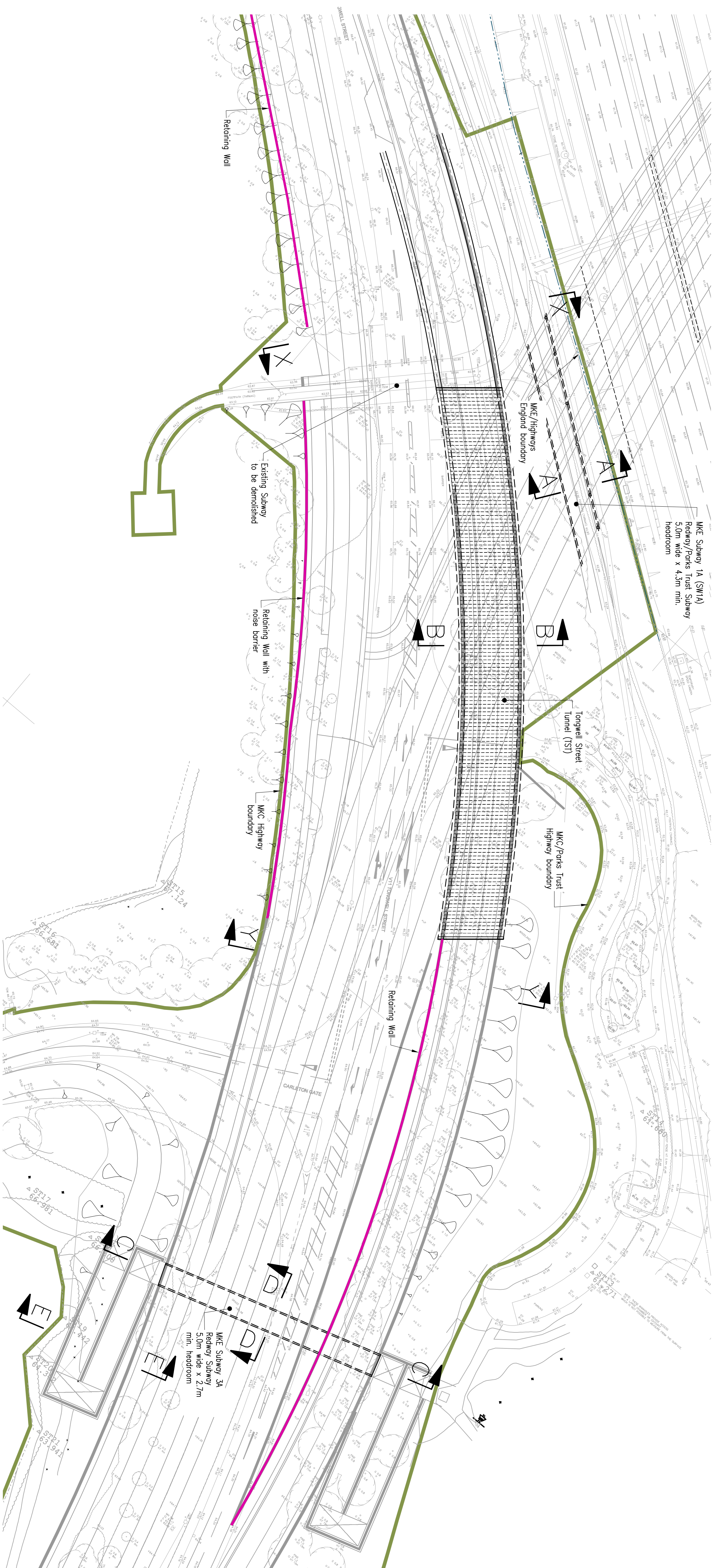
SCALE @ A1:	CHECKED:	APPROVED:
AS SHOWN	JSCS	PD

PROJECT No:	DESIGN:	DRAWN:	DATE:
70014859	JSCS	CPW	August 21

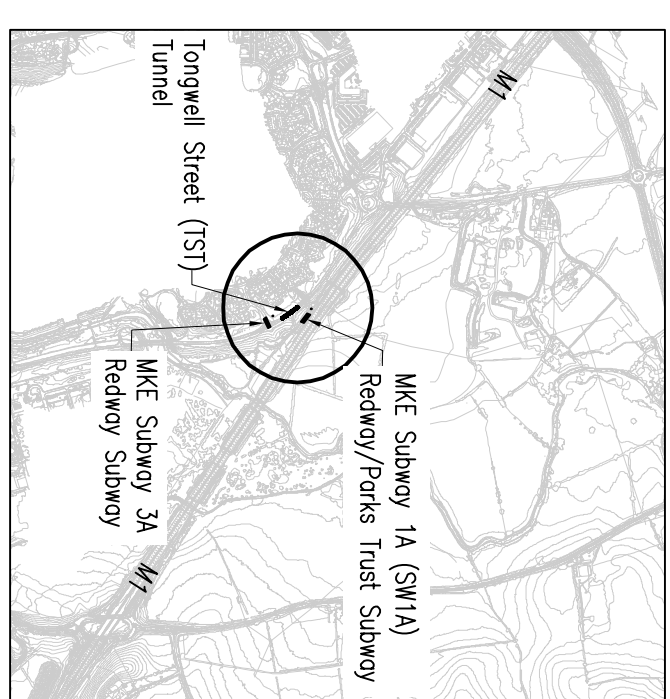
DRAWING No:	REV:
MKE-WSP-CBR-TSN-DR-BR-001	P08

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\\uk.wspgroup.com\central_data\projects\70076xxx\70076327 - mike dd stage.03 wip\br bridge engineer\c models and drawings\bb1_tongwell st n-bound\mke-wsp-cbr-tsn-dr-br-001.p08.dwg, 16/08/2021 06:41, Taylor, Myles



PLAN
1:1500



LOCATION PLAN
1:25000

- NOTES**
1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
 2. ALL LEVELS ARE IN METRES TO ORDNANCE DATUM UNLESS NOTED OTHERWISE.

REV	DATE	BY	DESCRIPTION	CHK	APP
P02	08/09/21	CE	GENERAL AMENDMENTS	JSCS	JSCS
P01	07/09/21	CPW	INITIAL ISSUE	JSCS	JSCS

ISSUE STATUS

STATUS INFORMATION



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CLIENT:
BERKELEY STRATEGIC

PROJECT:
MILTON KEYNES EAST

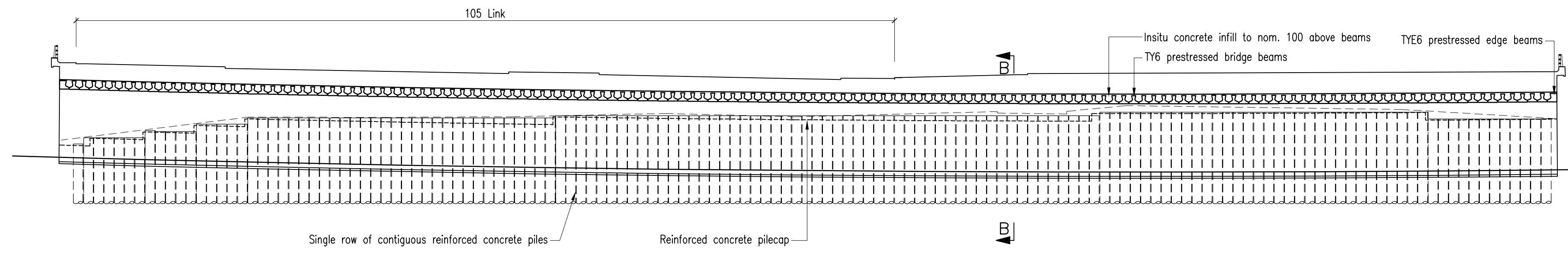
TITLE:
TONGWELL STREET LINK STRUCTURES
SHEET 1 - PLAN

SCALE @:	CHECKED:	APPROVED:
AS SHOWN	JSCS	PD
PROJECT NO:	ISSUE:	DATE:
7004689	JSCS	September 21

DRAWING NO: MKE-WSP-CBR-VR2-DR-BR-001

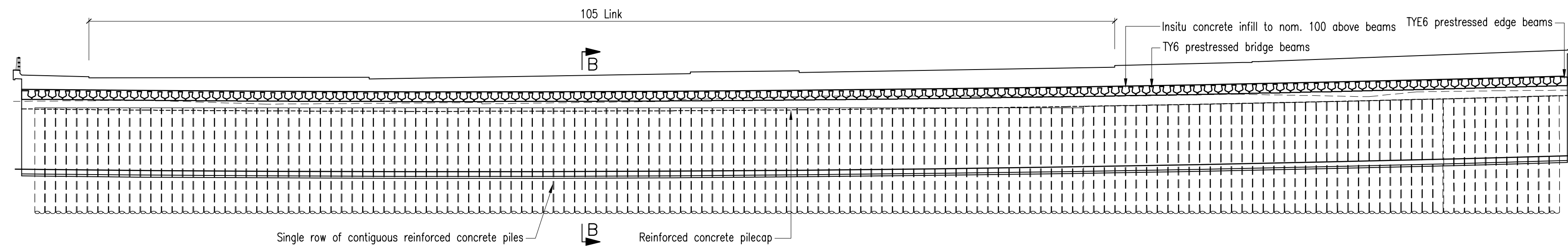
REV: P02

\\uk.wspgroup.com\central_data\projects\70076xxx\70076327 - mke dd stage\03 wip\br bridge engineer\ve models and drawings\vr2_ tongwell st link structures\mke-wsp-cbr-vr2-dr-br-001.dwg, 07/09/2021 04:05, Egin, Conon



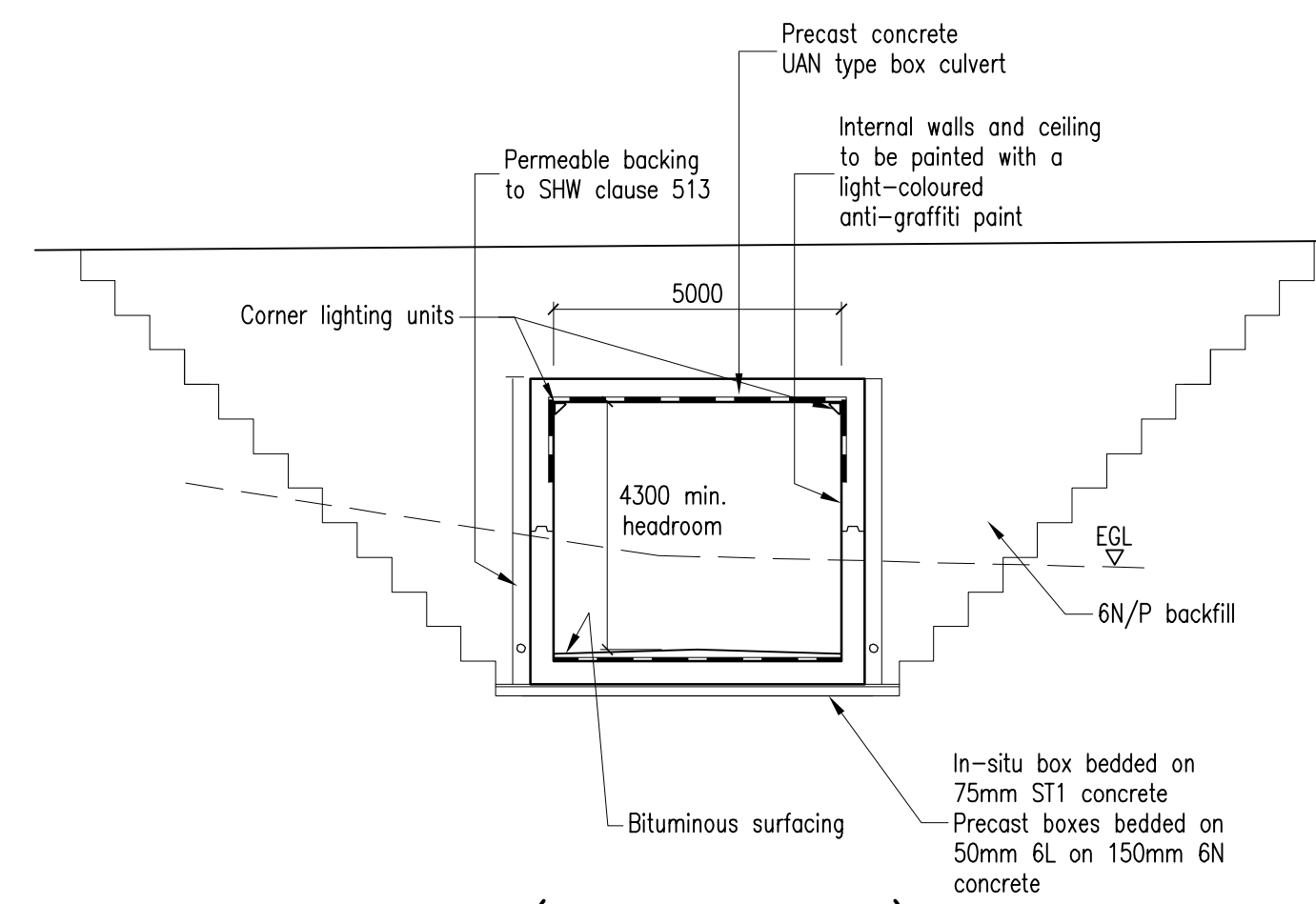
NORTH ABUTMENT FRONT ELEVATION

1:250



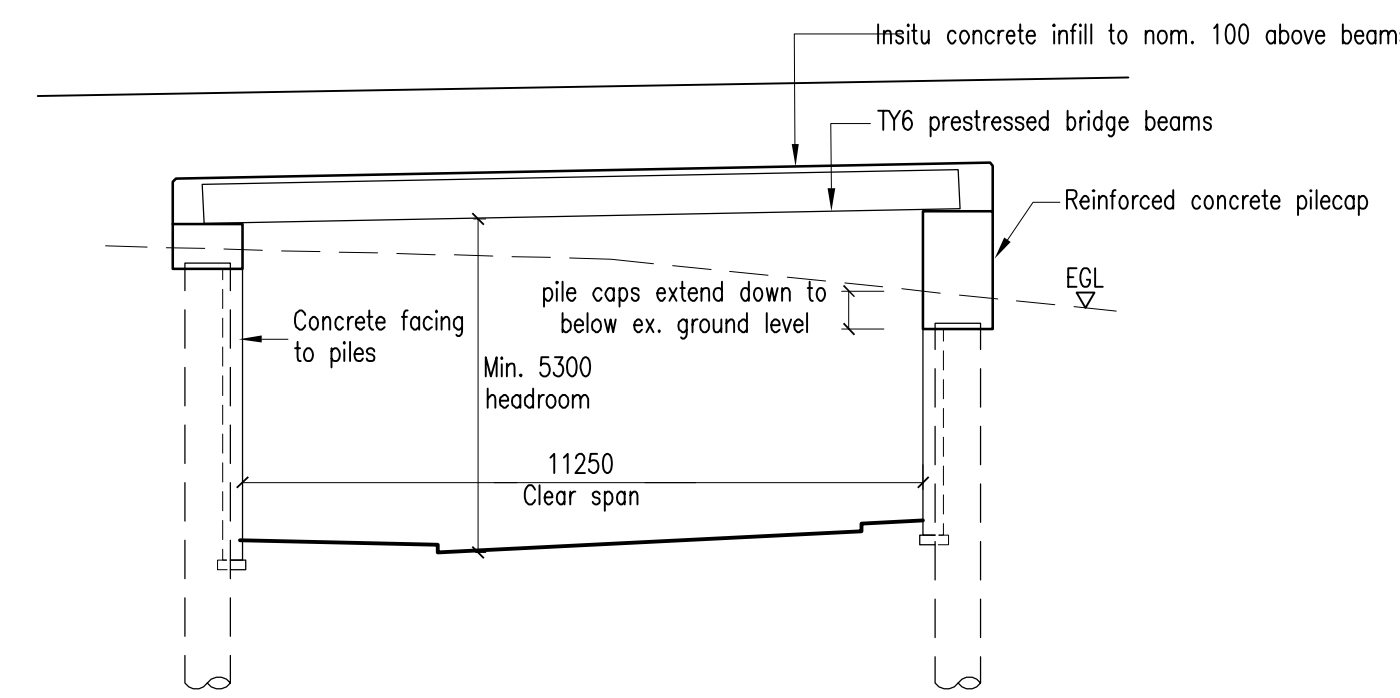
SOUTH ABUTMENT FRONT ELEVATION

1:250



**(MKE SUBWAY 1A)
SECTION A-A**

1:125



SECTION B-B

1:125

NOTES

1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
2. ALL LEVELS ARE IN METRES TO ORDANCE DATUM UNLESS NOTED OTHERWISE.

PO2	07/09/21	CE	GENERAL AMENDMENTS	JSCS	JSCS
PO1	07/09/21	CPW	INITIAL ISSUE.	JSCS	JSCS
REV	DATE	BY	DESCRIPTION	CHK	APP

DRAWING STATUS: **S2-FOR INFORMATION**



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CLIENT: **BERKELEY STRATEGIC**

ARCHITECT:

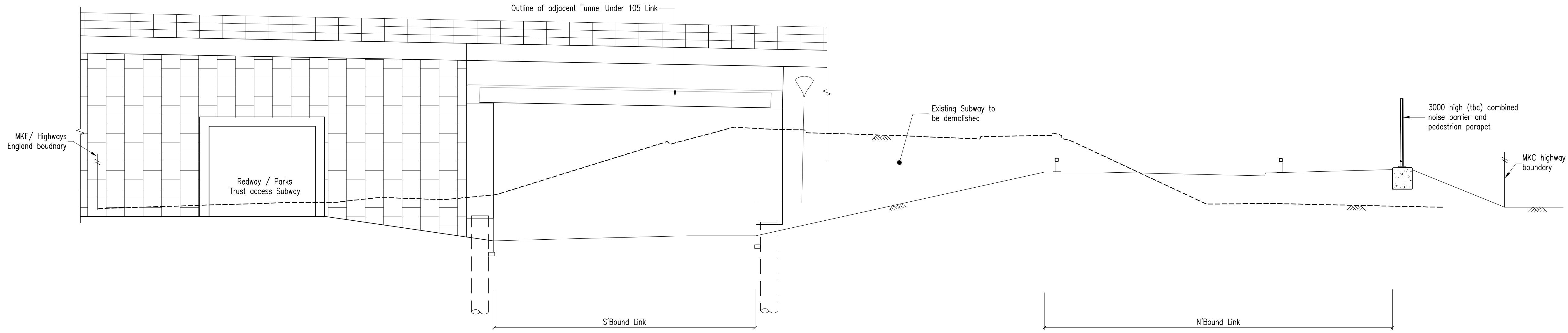
SITE/PROJECT: **MILTON KEYNES EAST**

TITLE: **TONGWELL STREET LINK STRUCTURES
SHEET 2
ELEVATIONS AND SECTIONS**

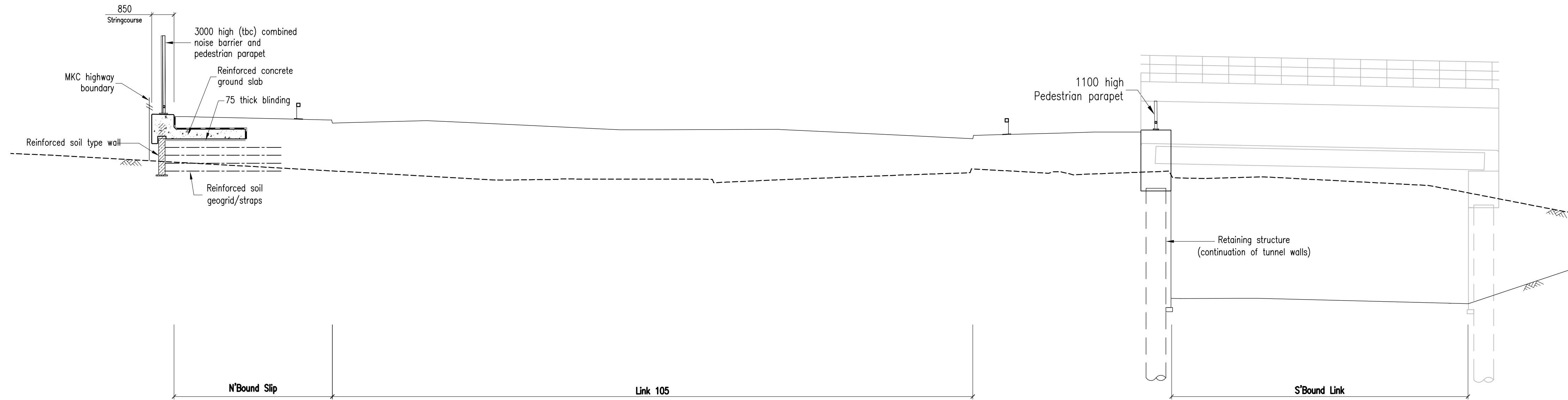
SCALE @ A1: AS SHOWN	CHECKED: JSCS	APPROVED: PD
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PROJECT No: 70014859	DESIGN: JSCS	DRAWN: CPW	DATE: September 21
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DRAWING No: MKE-WSP-CBR-VR2-DR-BR-002	REV: P02
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SECTION X-X
1:100



SECTION Y-Y
1:100

NOTES

1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
2. ALL LEVELS ARE IN METRES TO ORDNANCE DATUM UNLESS NOTED OTHERWISE.

PO2	07/09/21	CE	GENERAL AMENDMENTS	JSCS	JSCS
PO1	07/09/21	CPW	INITIAL ISSUE.	JSCS	JSCS
REV	DATE	BY	DESCRIPTION	CHK	APP

DRAWING STATUS: **S2-FOR INFORMATION**



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wsp.com

CLIENT: **BERKELEY STRATEGIC**

ARCHITECT:

SITE/PROJECT: **MILTON KEYNES EAST**

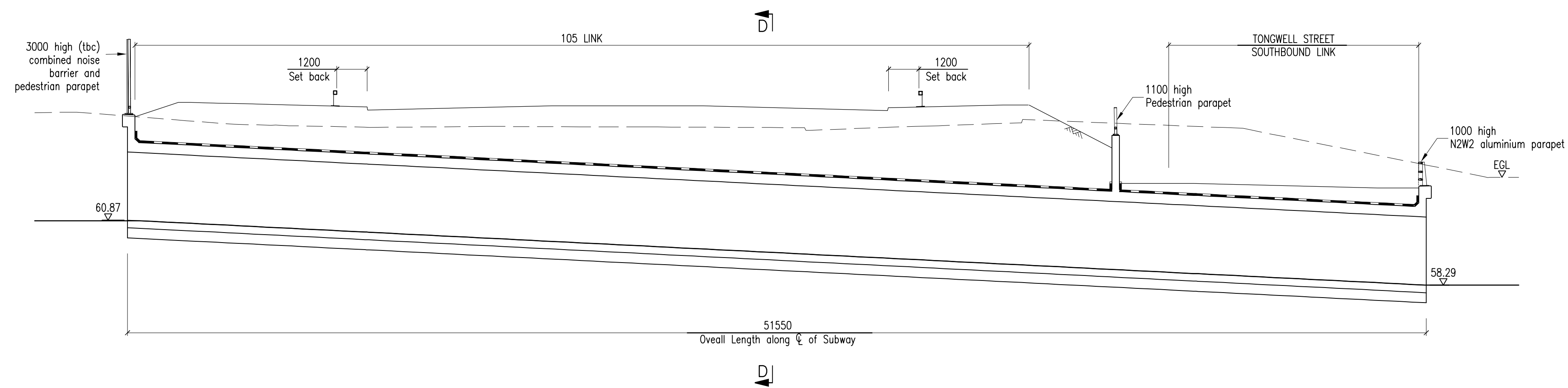
TITLE: **TONGWELL STREET LINK STRUCTURES
SHEET 3 - CARRIAGEWAY / REDWAY
CROSS SECTIONS**

SCALE @ A1:	AS SHOWN	CHECKED:	JSCS	APPROVED:	PD
PROJECT No:	70014859	DESIGN:	JSCS	DATE:	September 21
		DRAWN:	CPW		

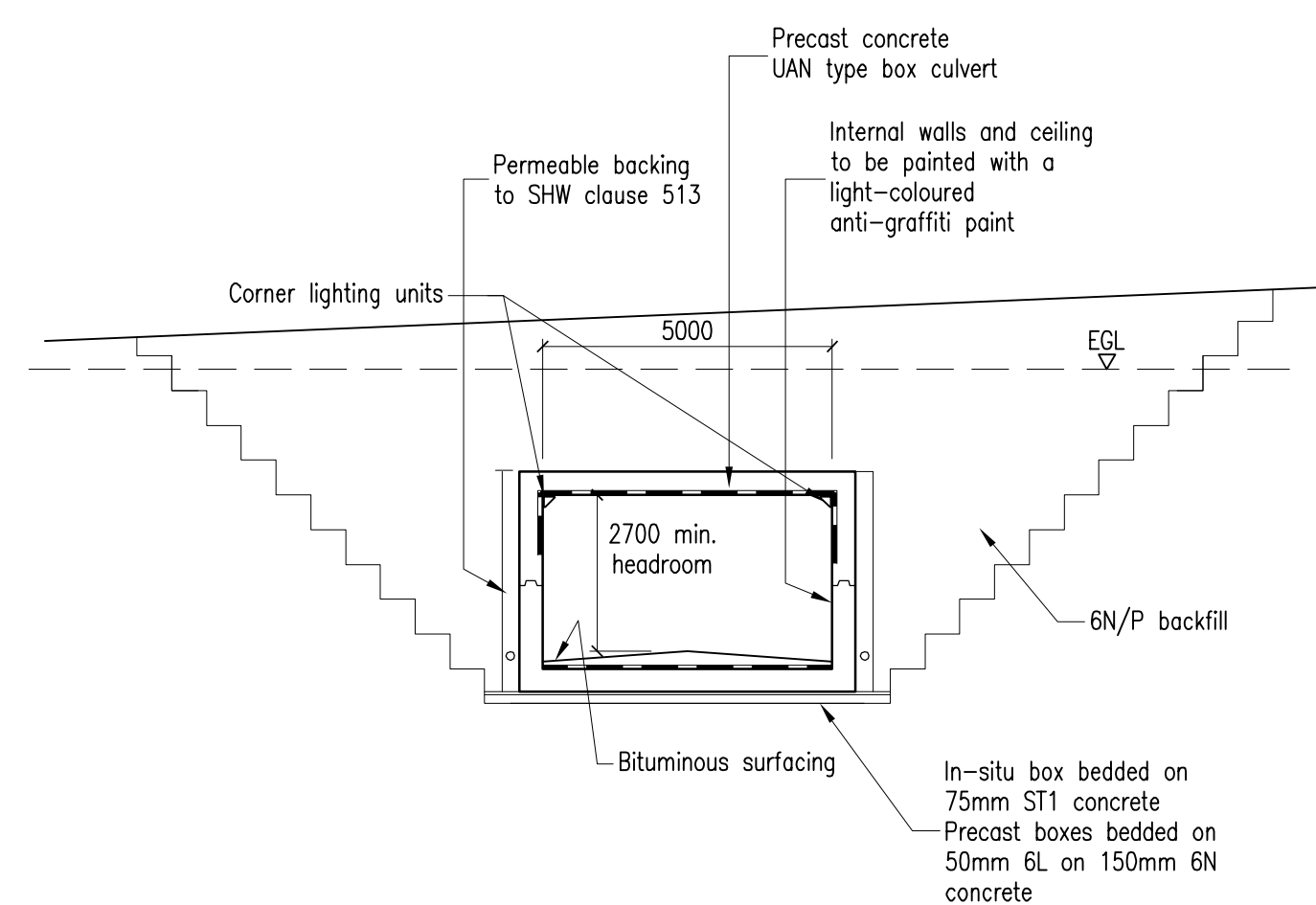
DRAWING No:	MKE-WSP-CBR-VR2-DR-BR-003	REV:	P02
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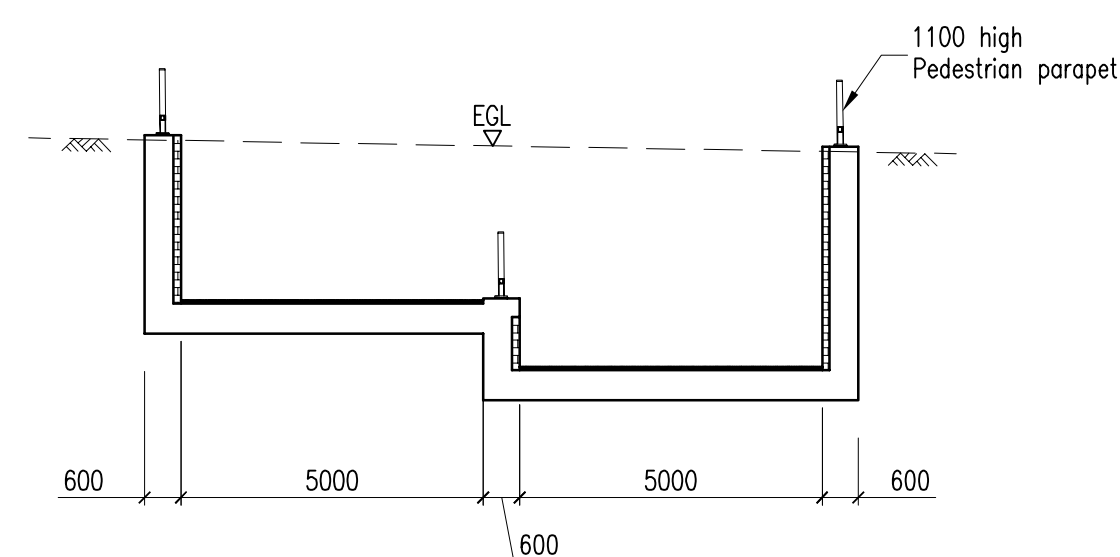
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SECTION C-C
1:125



SECTION D-D
1:125



SECTION E-E
(THROUGH WEST RAMP)
1:125

NOTES

1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
2. ALL LEVELS ARE IN METRES TO ORDNANCE DATUM UNLESS NOTED OTHERWISE.

REV	DATE	BY	DESCRIPTION	CHK	APP
P02	07/09/21	CE	GENERAL AMENDMENTS	JSCS	JSCS
P01	07/09/21	SV	INITIAL ISSUE.	JSCS	JSCS

DRAWING STATUS: **S2-FOR INFORMATION**



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wsp.com

CLIENT: **BERKELEY STRATEGIC**

ARCHITECT: **MILTON KEYNES EAST**

TITLE: **TONGWELL STREET LINK STRUCTURES
SHEET 4 - MKE SUBWAY 3A**

SCALE @ A1: AS SHOWN | CHECKED: JSCS | APPROVED: PD

PROJECT No: 70014859 | DESIGN: JSCS | DRAWN: CPW | DATE: September 21

DRAWING No: **MKE-WSP-CBR-VR2-DR-BR-004** | REV: **P02**

\\uk.wspgroup.com\central_data\projects\70076xxx\70076327 - mke dd stage\03 wip\br bridge engineer\ve models and drawings\vr2_ tongwell st link structures\mke-wsp-cbr-VR2-dr-br-001.dwg, 07/09/2021 04:07, Egan, Conor

\\uk.wspgroup.com\central_data\projects\70076xxx\70076327 - mke dd stage\03 wip\br bridge engineer\e models and drawings\y-refs-reference drgs [structures loc'n plan]_mke-wsp-cbr-zz-dr-br-002.dwg, 09/09/2021 12:31, Egan, Conor



REV	DATE	BY	DESCRIPTION	CHK	APP
P06	08/09/21	CPW	ROUNDABOUT AT FB3 & SW3A IS DELETED. SW9 ADDED.	JSCS	JSCS
P05	06/09/21	CPW	SW7 & SW8 RELOCATED, TONGWELL STREET LINK STRUCTURES ADDED.	JSCS	JSCS
P04	31/03/21	AWT	SW8 STATUS REVISED, MKC STRUCTURE NOS. ADDED.	JSCS	JSCS
P03	26/03/21	AWT	MINOR AMENDS	JSCS	JSCS
P02	11/03/21	CPW	HIGHWAY DETAILS UPDATED, SW6 DELETED (COMBINED WITH ROF), FB1 REPLACED BY SW8.	JSCS	JSCS
P01	01/02/21	CPW	INITIAL ISSUE	JSCS	JSCS

DRAWING STATUS: **SO-WORK IN PROGRESS**

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CLIENT: **BERKELEY STRATEGIC**

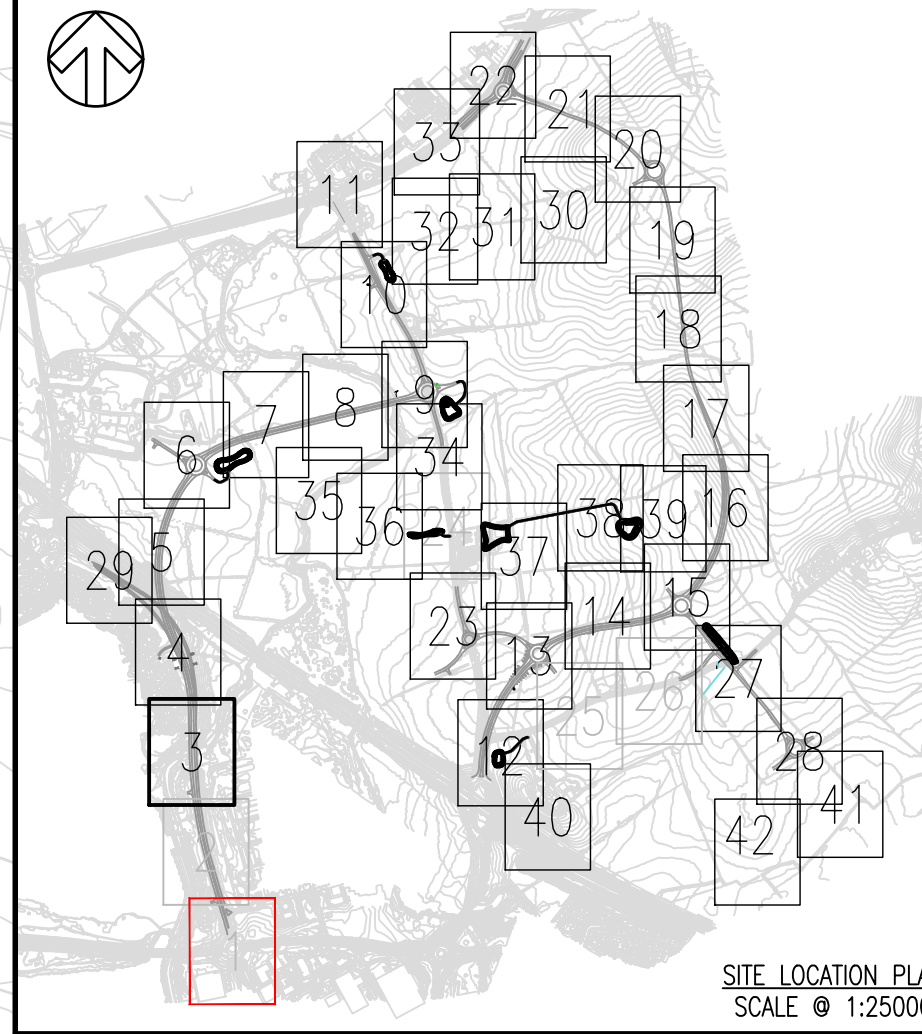
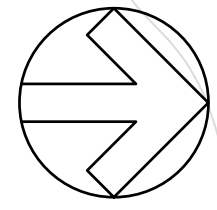
ARCHITECT: _____

SITEPROJECT: **MILTON KEYNES EAST**

TITLE: **HIGHWAY STRUCTURES LOCATION PLAN**

SCALE @ A1: 1:4000	CHECKED: JSCS	APPROVED: PD
PROJECT No: 70014859	DESIGN: JSCS	DATE: September 21

DRAWING No: **MKE-WSP-CBR-ZZ-DR-BR-002** REV: **P06**



NOTES:

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2. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE STATED.
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7. THE MILTON KEYNES HIGHWAY BOUNDARY IS TAKEN FROM INTERACTIVE HIGHWAY BOUNDARY MAPPING FOUND ON THE MILTON KEYNES COUNCIL'S WEBSITE.
8. TOPOGRAPHICAL INFORMATION PROVIDED BY MK SURVEYS FILE - "28562" ON THE 11/06/2020 AND 3D ENGINEERING SURVEYS FILE - "DES21007_MKE_REV1" ON THE 22/02/2021. WSP CAN NOT ACCEPT RESPONSIBILITY FOR ANY INACCURACIES.
9. ALL DRAINAGE HAS BEEN DESIGNED IN ACCORDANCE WITH THE DCG, DMRB, CIRIA SUDS MANUAL AND MKE GUIDANCE.
10. ALL OUTFALL LEVELS TO BE CONFIRMED ON SITE PRIOR TO CONSTRUCTION
11. THE PROPOSED NEW HIGHWAY DRAINAGE WILL BE RESTRICTED TO 4 L/S/MP.HA AND THE EXISTING HIGHWAY DRAINAGE WILL BE MAINTAINED.
12. ALL HEADWALLS TO BE ARCHITECTURALLY CLADDED

KEY:

● SURFACE WATER DRAINAGE

FOR CONTINUATION REFER TO SHEET 2

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PO2	07/09/2021	DSF	UPDATED DRAINAGE STRATEGY	PH	SAP
PO1	12/03/2021	OPL	FIRST ISSUE	DSF	SAP
REV	DATE	BY	DESCRIPTION	CHK	APP

DRAWING STATUS: FOR PLANNING



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CLIENT: BERKELEY ST JAMES

ARCHITECT: -

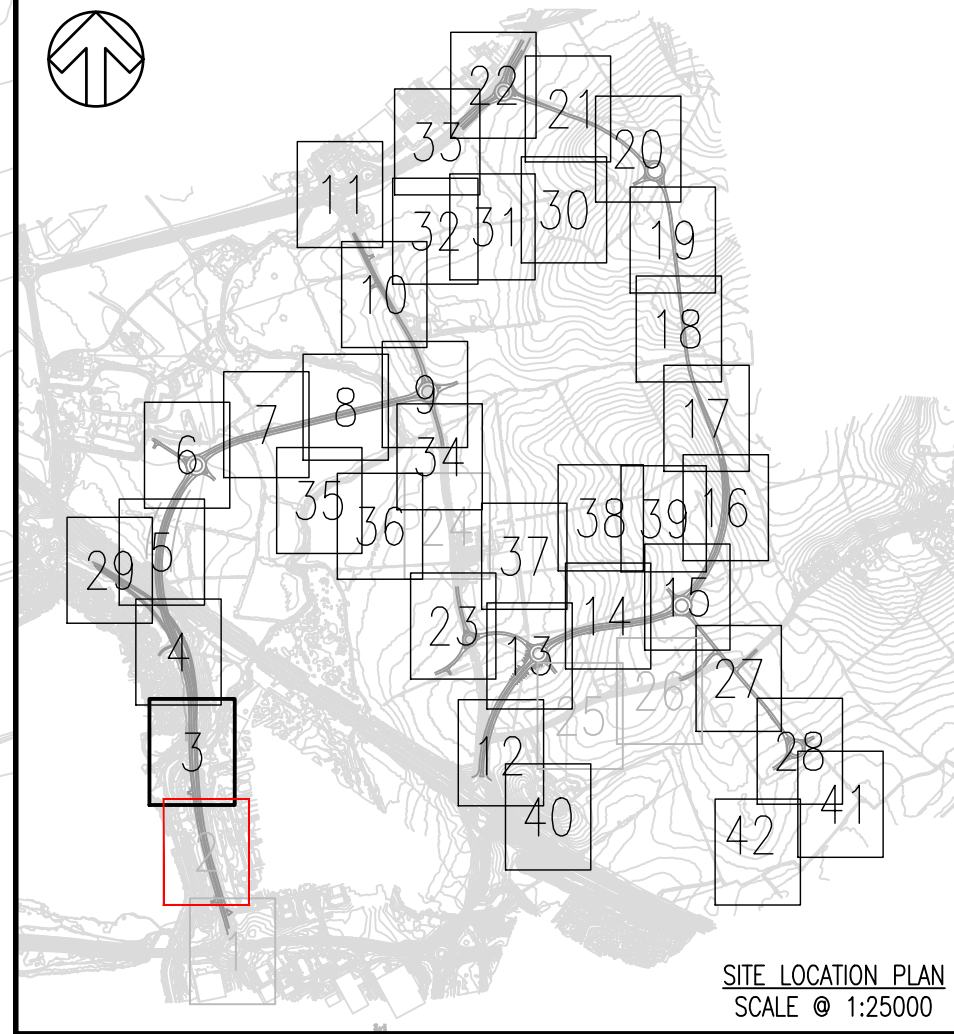
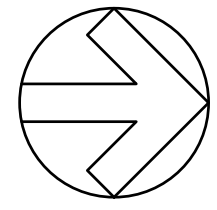
SITE/PROJECT: MILTON KEYNES EAST

TITLE: DRAINAGE PLAN SHEET 1

SCALE @ A1:	1:500	CHECKED:	DSF	APPROVED:	SAP
PROJECT NO:	70057521	DESIGNED:	DSF	DRAWN:	GLG
				DATE:	November 20

DRAWING NO:	MKE-WSP-ZZ-ZZ-C-DR-0501	REV:	P02
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 - ALL HEADWALLS TO BE ARCHITECTURALLY CLADDED

- KEY:
- SURFACE WATER DRAINAGE
 - HEADWALL

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PO2	07/09/2021	DSF	DRAINAGE UPDATED	PP	SWP
PO1	12/03/2021	OPL	FIRST ISSUE	DSF	SWP
REV	DATE	BY	DESCRIPTION	CHK	APP

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CLIENT: **BERKELEY ST JAMES**

ARCHITECT: -

SITE/PROJECT: **MILTON KEYNES EAST**

TITLE: **DRAINAGE PLAN SHEET 2**

SCALE @ A1:	CHECKED:	APPROVED:	
1:500	DSF	SAP	
PROJECT NO:	DESIGNED:	DRAWN:	DATE:
70057521	DSF	GLG	November 20

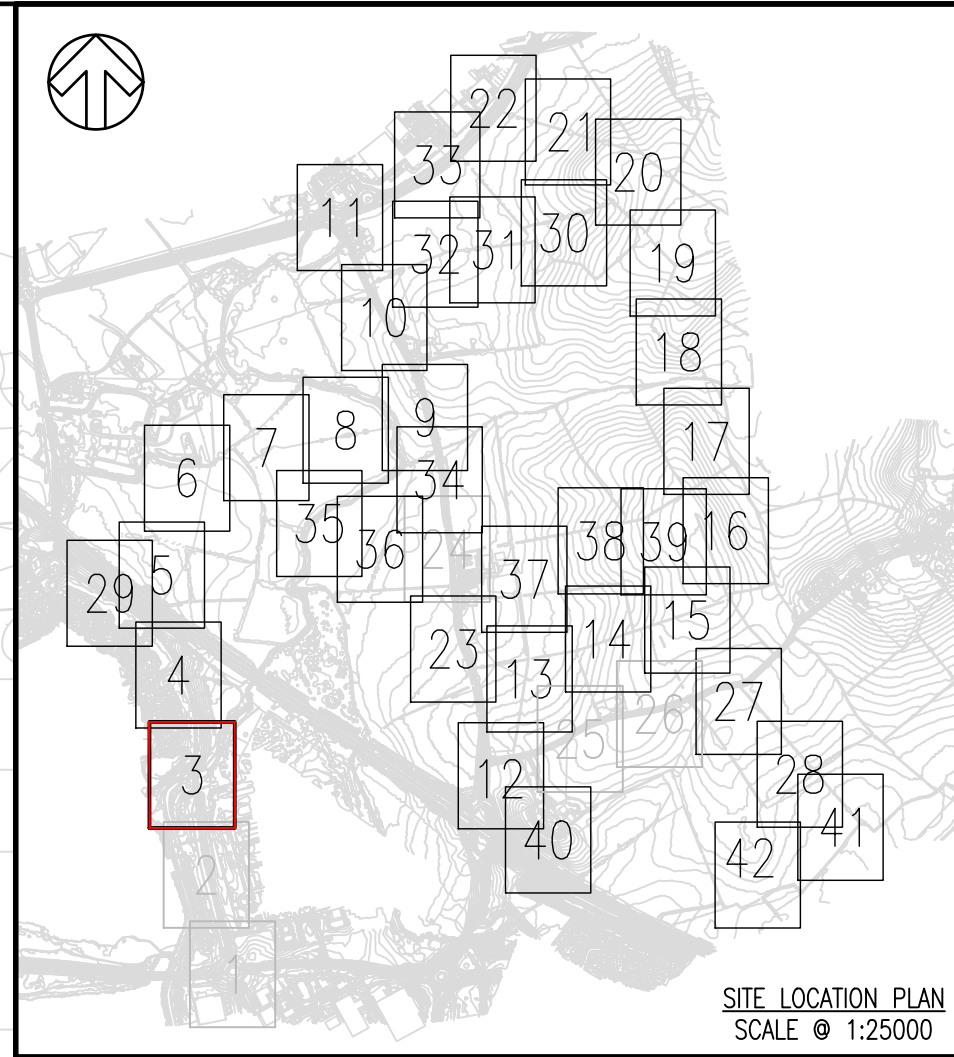
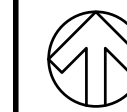
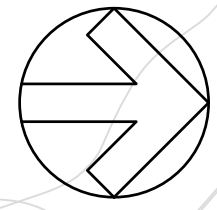
DRAWING NO:	REV:
MKE-WSP-ZZ-ZZ-C-DR-0502	PO2

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File name: I:\UK\WSP\GROUP\COMMON\DRAWINGS\ENGINEERING\WSP-ZZ-ZZ-C-DR-0502.DWG, printed on 09 September 2021 11:18, by Anisah, E:\magnus

FOR CONTINUATION REFER TO SHEET 1

FOR CONTINUATION REFER TO SHEET 3



- NOTES:**
- DRAWINGS ARE PREPARED TO SUPPORT DETAILED PLANNING APPLICATION FOR THE STRATEGIC HIGHWAY INFRASTRUCTURE ASSOCIATED WITH MILTON KEYNES EAST (MKE) DEVELOPMENT.
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 - ALL DRAINAGE HAS BEEN DESIGNED IN ACCORDANCE WITH THE DCG, DMRB, CIRIA SUDS MANUAL AND MKE GUIDANCE.
 - ALL OUTFALL LEVELS TO BE CONFIRMED ON SITE PRIOR TO CONSTRUCTION
 - THE PROPOSED NEW HIGHWAY DRAINAGE WILL BE RESTRICTED TO 4 L/S/MP/HA AND THE EXISTING HIGHWAY DRAINAGE WILL BE MAINTAINED.
 - ALL HEADWALLS TO BE ARCHITECTURALLY CLADDED

- KEY:**
- SURFACE WATER DRAINAGE
 - HEADWALL

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PO2	08/09/2021	DSF	UPDATED DRAINAGE STRATEGY	DSF	SAP
PO1	12/03/2021	OPL	FIRST ISSUE	DSF	SAP
REV	DATE	BY	DESCRIPTION	CHK	APP

DRAWING STATUS: **FOR PLANNING**

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CLIENT: **BERKELEY ST JAMES**

ARCHITECT: **JTP / STEPHEN GEORGE AND PARTNERS**

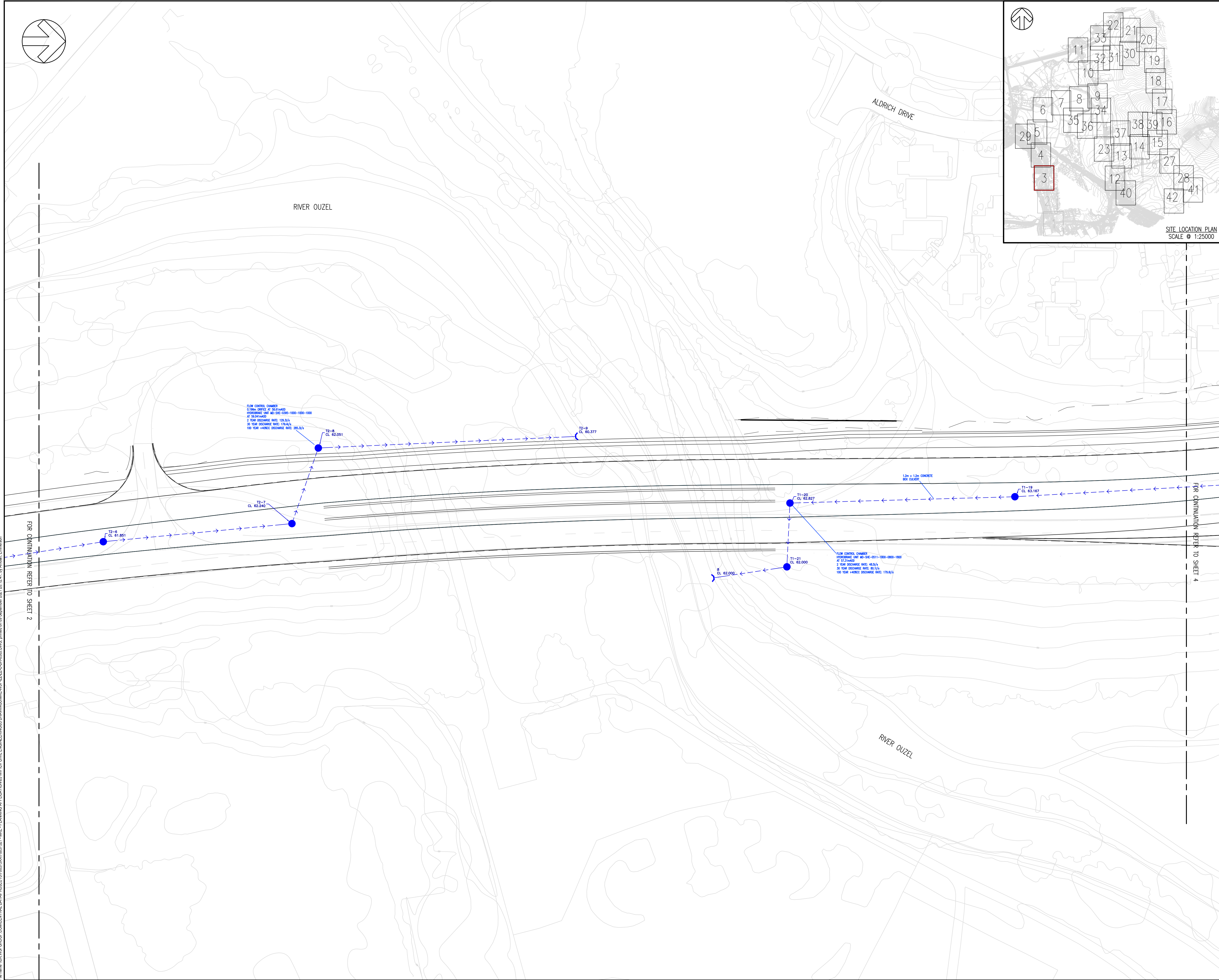
SITE/PROJECT: **MILTON KEYNES EAST**

TITLE: **DRAINAGE PLAN SHEET 3**

SCALE @ A1:	1:500	CHECKED:	DSF	APPROVED:	SAP
PROJECT NO:	70057521	DESIGNED:	DSF	DRAWN:	GLG
				DATE:	November 20

DRAWING No: **MKE-WSP-ZZ-ZZ-C-DR-0503** REV: **P02**

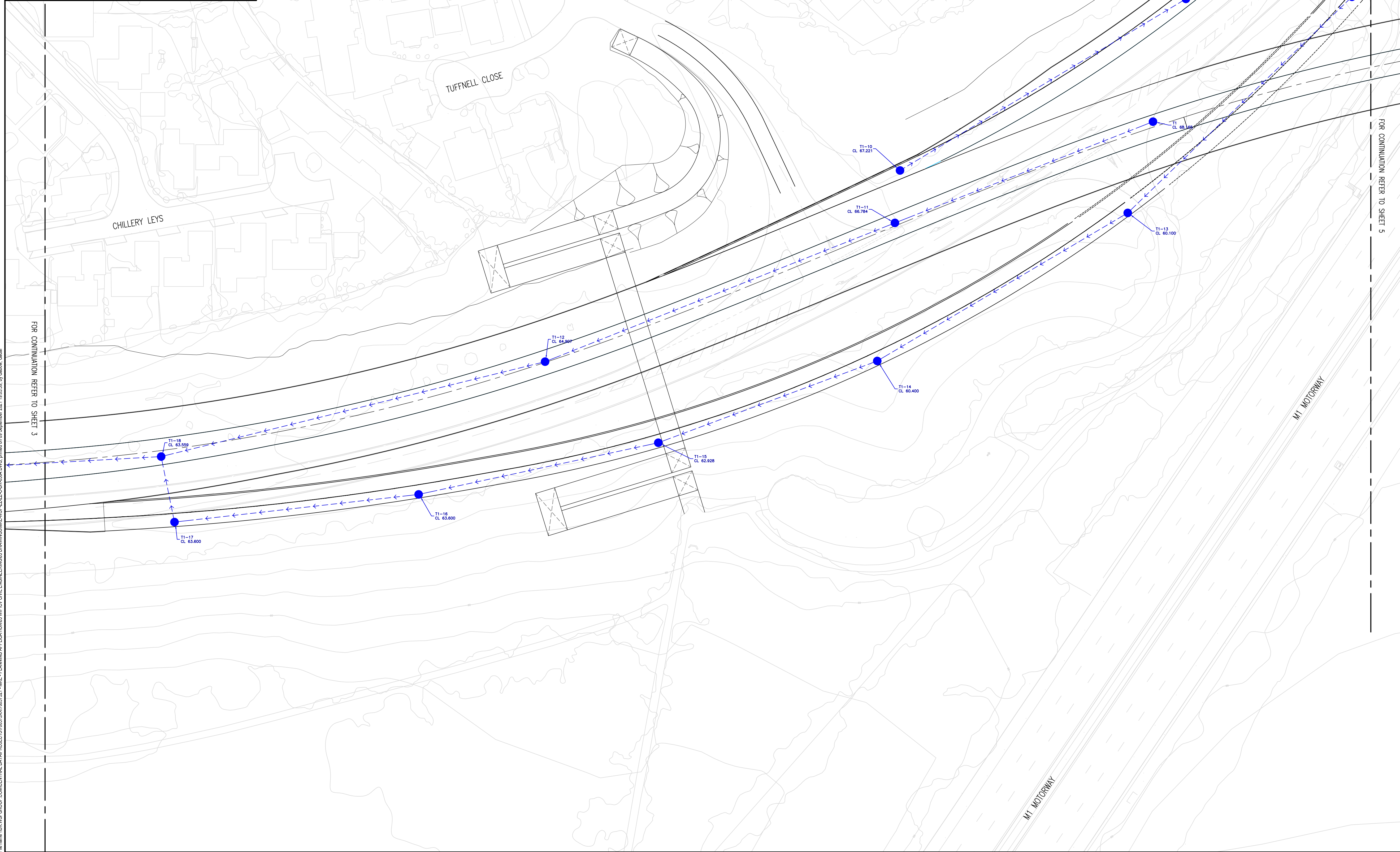
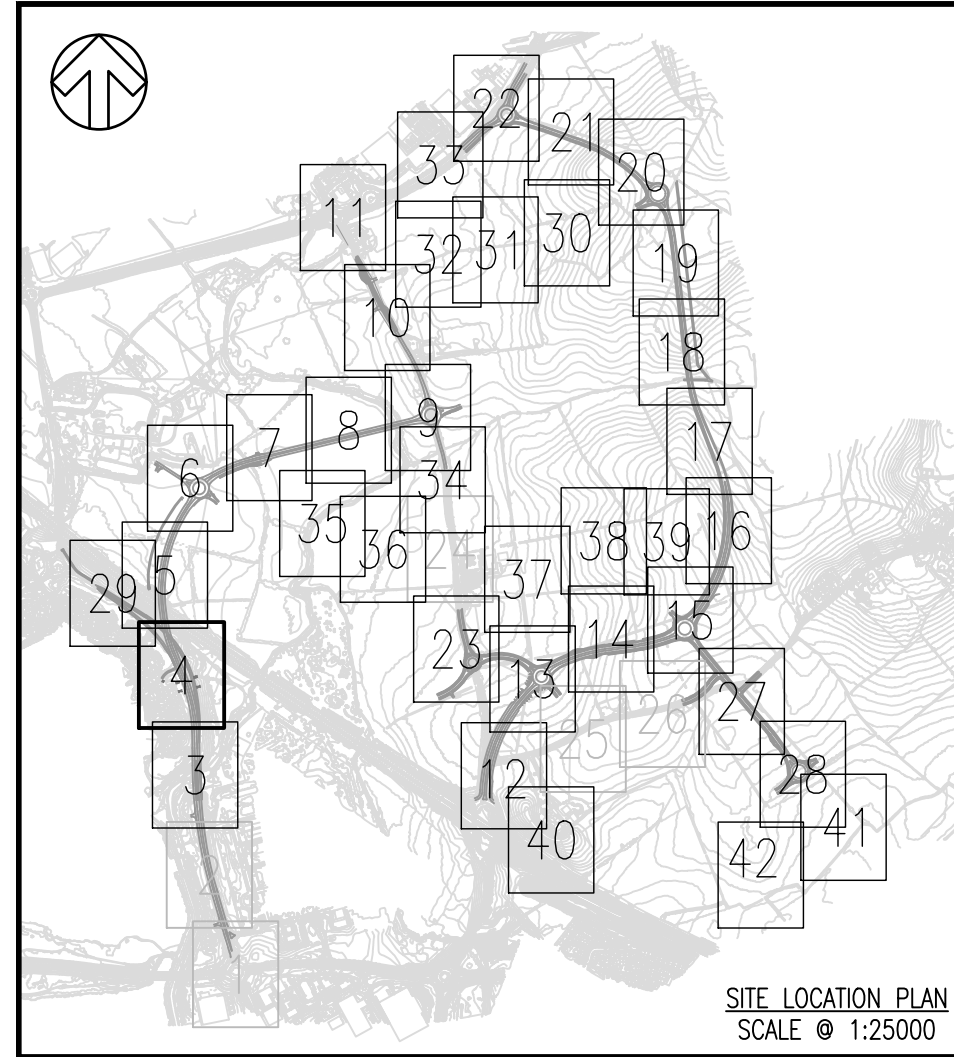
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File name: I:\UK\WSP\GROUP\COMCENTRAL\DATA\PROJECTS\70057521\MKE - PLANNING APPLICATIONS\DRAWINGS\MKE-WSP-ZZ-ZZ-C-DR-0503.DWG, printed on 09 September 2021 10:12:47, by Anouk Temmerman

FOR CONTINUATION REFER TO SHEET 2

FOR CONTINUATION REFER TO SHEET 4



- NOTES:**
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 - TOPOGRAPHICAL INFORMATION PROVIDED BY MK SURVEYS FILE - "28562" ON THE 11/06/2020 AND 3D ENGINEERING SURVEYS FILE - "DES21007_MKE_REV1" ON THE 22/02/2021. WSP CAN NOT ACCEPT RESPONSIBILITY FOR ANY INACCURACIES.
 - ALL DRAINAGE HAS BEEN DESIGNED IN ACCORDANCE WITH THE DCG, DMRB, CIRIA SUDS MANUAL AND MKE GUIDANCE.
 - ALL OUTFALL LEVELS TO BE CONFIRMED ON SITE PRIOR TO CONSTRUCTION
 - THE PROPOSED NEW HIGHWAY DRAINAGE WILL BE RESTRICTED TO 4 L/S/MP/HA AND THE EXISTING HIGHWAY DRAINAGE WILL BE MAINTAINED.
 - ALL HEADWALLS TO BE ARCHITECTURALLY CLADDED
 - ATTENUATION WILL BE PROVIDED THROUGH OVERSIZED PIPEWORK OR CELLULAR STORAGE IN CONSULTATION WITH THE ADOPTING HIGHWAY AUTHORITY.

- KEY:**
- SURFACE WATER DRAINAGE
 - HEADWALL

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PO2	08/09/2021	DSF	UPDATED DRAINAGE STRATEGY	SP	SAP
PO1	12/03/2021	OPL	FIRST ISSUE	DSF	SAP
REV	DATE	BY	DESCRIPTION	CHK	APP

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CLIENT: **BERKELEY ST JAMES**

ARCHITECT: -

SITE/PROJECT: **MILTON KEYNES EAST**

TITLE: **DRAINAGE PLAN SHEET 4**

SCALE @ A1:	1:500	CHECKED:	DSF	APPROVED:	SAP
PROJECT NO:	70057521	DESIGNED:	DSF	DRAWN:	GLG
				DATE:	November 20

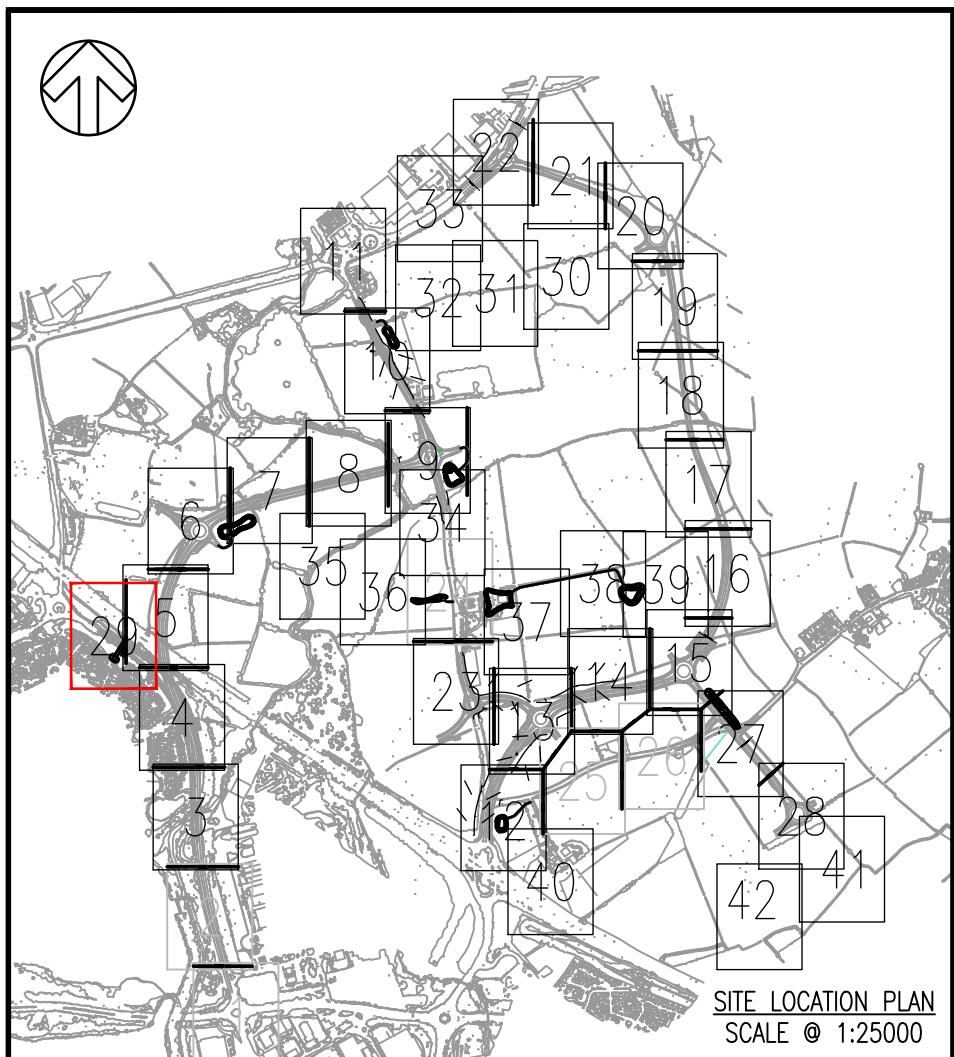
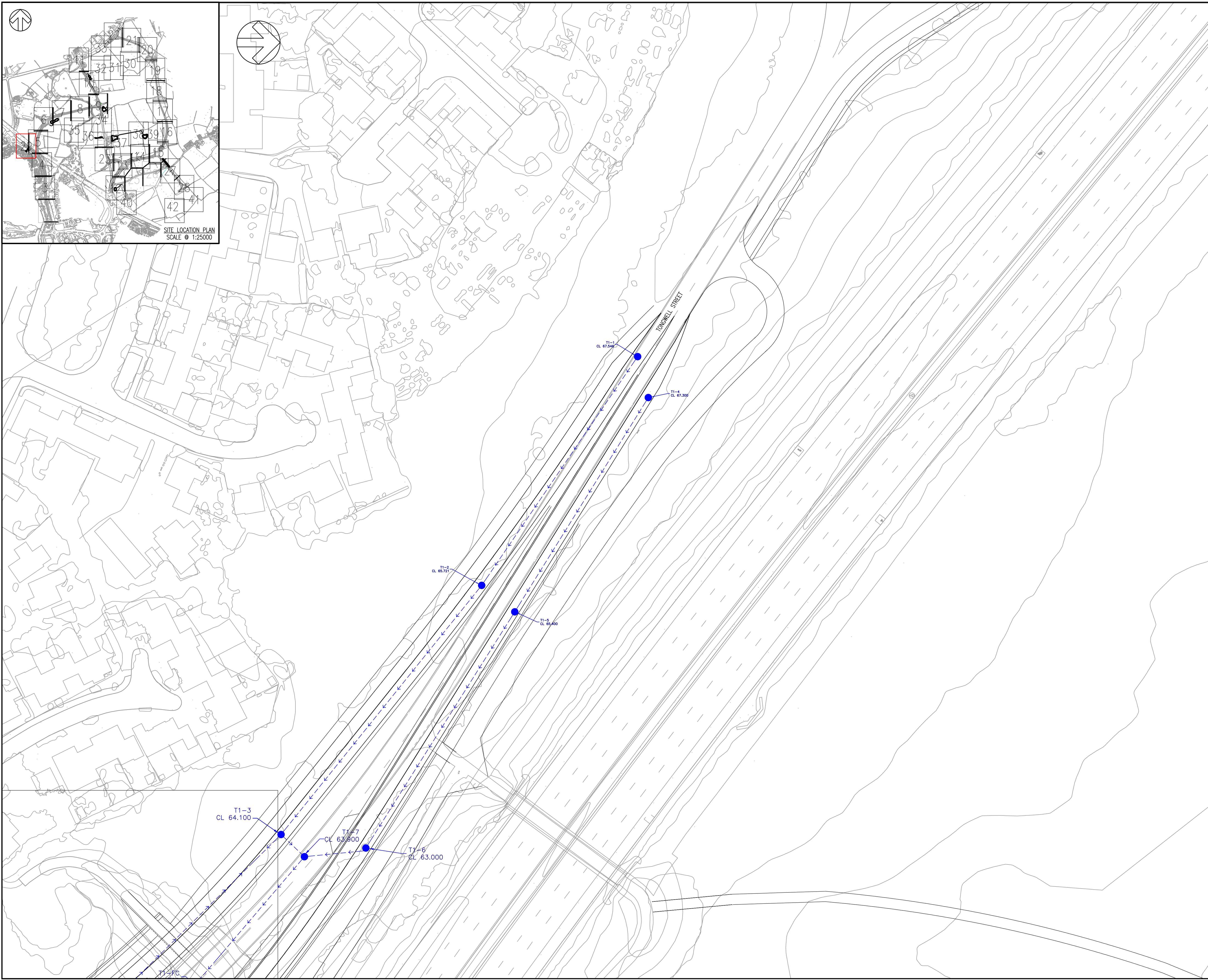
DRAWING No: **MKE-WSP-ZZ-ZZ-C-DR-0504** REV: **P02**

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File name: I:\UK\WSP\GROUP\COMCENTRAL\DATA\PROJECTS\70057521\MKE-PLANNING\APPLICATIONS\WPCV\CIVIL\ENGINEERING\3\DRAWINGS\MKE\WSP-ZZ-ZZ-C-DR-0504.DWG, printed on 09 September 2021 19:03:38, by Gabeon, Gabeon

FOR CONTINUATION REFER TO SHEET 3

FOR CONTINUATION REFER TO SHEET 5



NOTES:

1. DRAWINGS ARE PREPARED TO SUPPORT DETAILED PLANNING APPLICATION FOR THE STRATEGIC HIGHWAY INFRASTRUCTURE ASSOCIATED WITH MILTON KEYNES EAST (MKE) DEVELOPMENT.
2. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE STATED.
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13. ATTENUATION WILL BE PROVIDED THROUGH OVERSIZED PIPEWORK OR CELLULAR STORAGE IN CONSULTATION WITH THE ADOPTING HIGHWAY AUTHORITY.

KEY:

- SURFACE WATER DRAINAGE

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P02	08/09/2021	DSF	UPDATED DRAINAGE STRATEGY	PD	SAP
P01	12/03/2021	OPL	FIRST ISSUE	DSF	SAP
REV	DATE	BY	DESCRIPTION	CHK	APP

DRAWING STATUS: **FOR PLANNING**

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wsp.com

CLIENT: **BERKELEY ST JAMES**

ARCHITECT: -

ST/PROJECT: **MILTON KEYNES EAST**

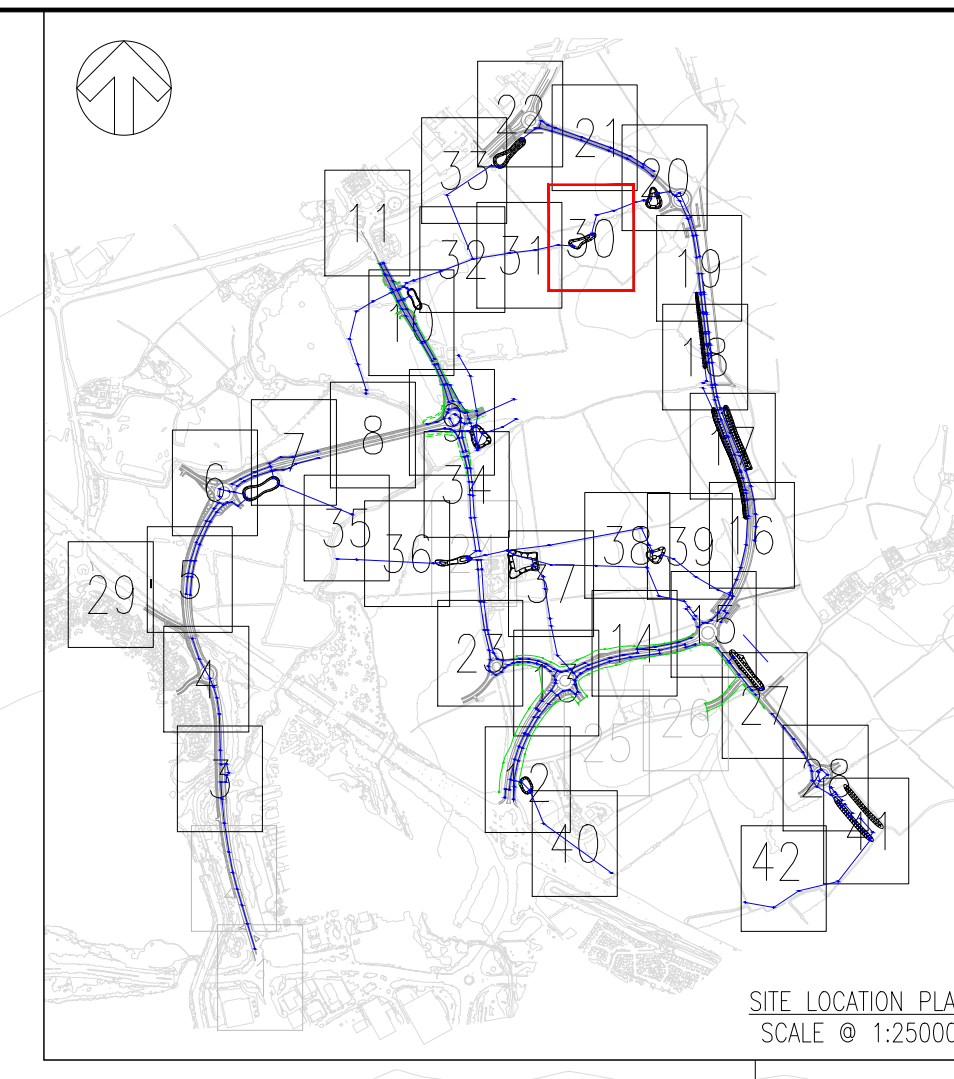
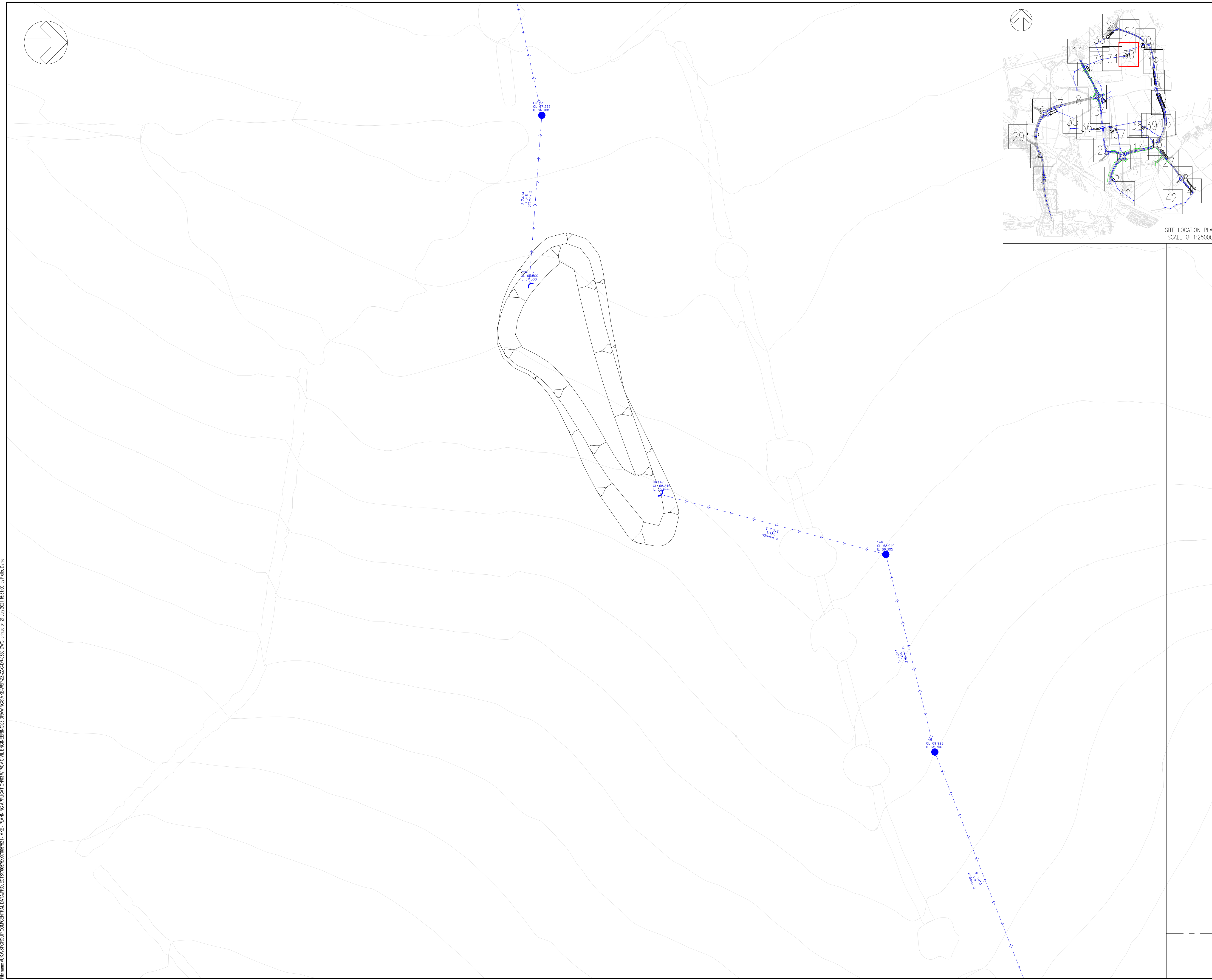
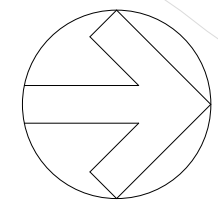
TITLE: **DRAINAGE PLAN SHEET 29**

SCALE @ A1: 1:500	CHECKED: DSF	APPROVED: SAP	
PROJECT NO: 70057521	DESIGNED: DSF	DRAWN: GLG	DATE: November 20

DRAWING No: **MKE-WSP-ZZ-ZZ-C-DR-0529** REV: **P02**

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- NOTES:**
- DRAWINGS ARE PREPARED TO SUPPORT DETAILED PLANNING APPLICATION FOR THE STRATEGIC HIGHWAY INFRASTRUCTURE ASSOCIATED WITH MILTON KEYNES EAST (MKE) DEVELOPMENT.
 - ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE STATED.
 - THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH ALL RELEVANT DOCUMENTATION, DRAWINGS AND STANDARD DETAILS.
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 - THE MILTON KEYNES HIGHWAY BOUNDARY IS TAKEN FROM INTERACTIVE HIGHWAY BOUNDARY MAPPING FOUND ON THE MILTON KEYNES COUNCIL'S WEBSITE.
 - TOPOGRAPHICAL INFORMATION PROVIDED BY MK SURVEYS FILE - "28562" ON THE 11/06/2020 AND 3D ENGINEERING SURVEYS FILE - "DES21007_MKE_REV1" ON THE 22/02/2021. WSP CAN NOT ACCEPT RESPONSIBILITY FOR ANY INACCURACIES.
 - ALL DRAINAGE HAS BEEN DESIGNED IN ACCORDANCE WITH THE DCG, DMRB, CIRIA SuDS MANUAL AND MKE GUIDANCE.
 - ALL OUTFALL LEVELS TO BE CONFIRMED ON SITE PRIOR TO CONSTRUCTION
 - SURFACE WATER RUNOFF IS RESTRICTED TO 4L/S/IMPERMEABLE HECTARE. FOR FURTHER DETAILS OF VORTEX CONTROLS USED AND DISCHARGE RATES PLEASE REFER TOT THE ACCOMPANYING CALCULATIONS
 - ALL HEADWALLS TO BE ARCHITECTURALLY CLADD

- KEY:**
- ATTENUATION BASIN
 - SURFACE WATER DRAINAGE
 - HEADWALL

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PO2	21/07/2021	DSF	LAYOUT UPDATED	DSF	SAP
PO1	12/03/2021	OPL	FIRST ISSUE	DSF	SAP
REV	DATE	BY	DESCRIPTION	CHK	APP

DRAWING STATUS: **PLANNING**

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ARCHITECT: -

SITE/PROJECT: **MILTON KEYNES EAST**

TITLE: **DRAINAGE PLAN SHEET 30**

SCALE @ A1: 1:500	CHECKED: DSF	APPROVED: SAP
PROJECT NO: 70057521	DESIGNED: DSF	DRAWN: OPL
		DATE: November 20

DRAWING No: **MKE-WSP-ZZ-ZZ-C-DR-0530** REV: **P02**

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