

Results for 2 year Critical Storm Duration. Lowest mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
720 minute summer	Northern Basin	570	75.014	0.314	238.7	2065.4130	0.0000	SURCHARGED
15 minute summer	Northern Outfall	1	74.600	0.000	9.2	0.0000	0.0000	OK
960 minute summer	Central Basin	705	72.226	0.326	420.0	4680.1960	0.0000	OK
15 minute summer	Central Outfall	1	71.800	0.000	11.7	0.0000	0.0000	OK
480 minute winter	Southern Basin	464	72.233	0.333	91.0	821.7862	0.0000	SURCHARGED
15 minute summer	Southern Outfall	1	71.800	0.000	7.5	0.0000	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Discharge Vol (m ³)
720 minute summer	Northern Basin	Hydro-Brake®	Northern Outfall	30.9	2221.8
960 minute summer	Central Basin	Hydro-Brake®	Central Outfall	66.0	4692.2
480 minute winter	Southern Basin	Hydro-Brake®	Southern Outfall	12.7	916.2

Results for 30 year Critical Storm Duration. Lowest mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
600 minute winter	Northern Basin	585	75.366	0.666	369.3	4575.9560	0.0000	SURCHARGED
15 minute summer	Northern Outfall	1	74.600	0.000	30.6	0.0000	0.0000	OK
720 minute winter	Central Basin	705	72.573	0.673	692.2	10084.1500	0.0000	SURCHARGED
15 minute summer	Central Outfall	1	71.800	0.000	57.7	0.0000	0.0000	OK
600 minute winter	Southern Basin	600	72.603	0.703	151.6	1861.6750	0.0000	SURCHARGED
15 minute summer	Southern Outfall	1	71.800	0.000	12.6	0.0000	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Discharge Vol (m ³)
600 minute winter	Northern Basin	Hydro-Brake®	Northern Outfall	31.3	3408.4
720 minute winter	Central Basin	Hydro-Brake®	Central Outfall	68.7	7691.4
600 minute winter	Southern Basin	Hydro-Brake®	Southern Outfall	12.7	1384.9

Results for 100 year Critical Storm Duration. Lowest mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
720 minute winter	Northern Basin	705	75.532	0.832	391.9	5842.5920	0.0000	SURCHARGED
15 minute summer	Northern Outfall	1	74.600	0.000	31.2	0.0000	0.0000	OK
720 minute winter	Central Basin	705	72.740	0.840	855.9	12832.2500	0.0000	SURCHARGED
15 minute summer	Central Outfall	1	71.800	0.000	66.9	0.0000	0.0000	OK
720 minute winter	Southern Basin	705	72.774	0.874	160.8	2385.1200	0.0000	SURCHARGED
15 minute summer	Southern Outfall	1	71.800	0.000	12.7	0.0000	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Discharge Vol (m ³)
720 minute winter	Northern Basin	Hydro-Brake®	Northern Outfall	31.3	3488.8
720 minute winter	Central Basin	Hydro-Brake®	Central Outfall	68.7	7717.0
720 minute winter	Southern Basin	Hydro-Brake®	Southern Outfall	12.7	1367.7

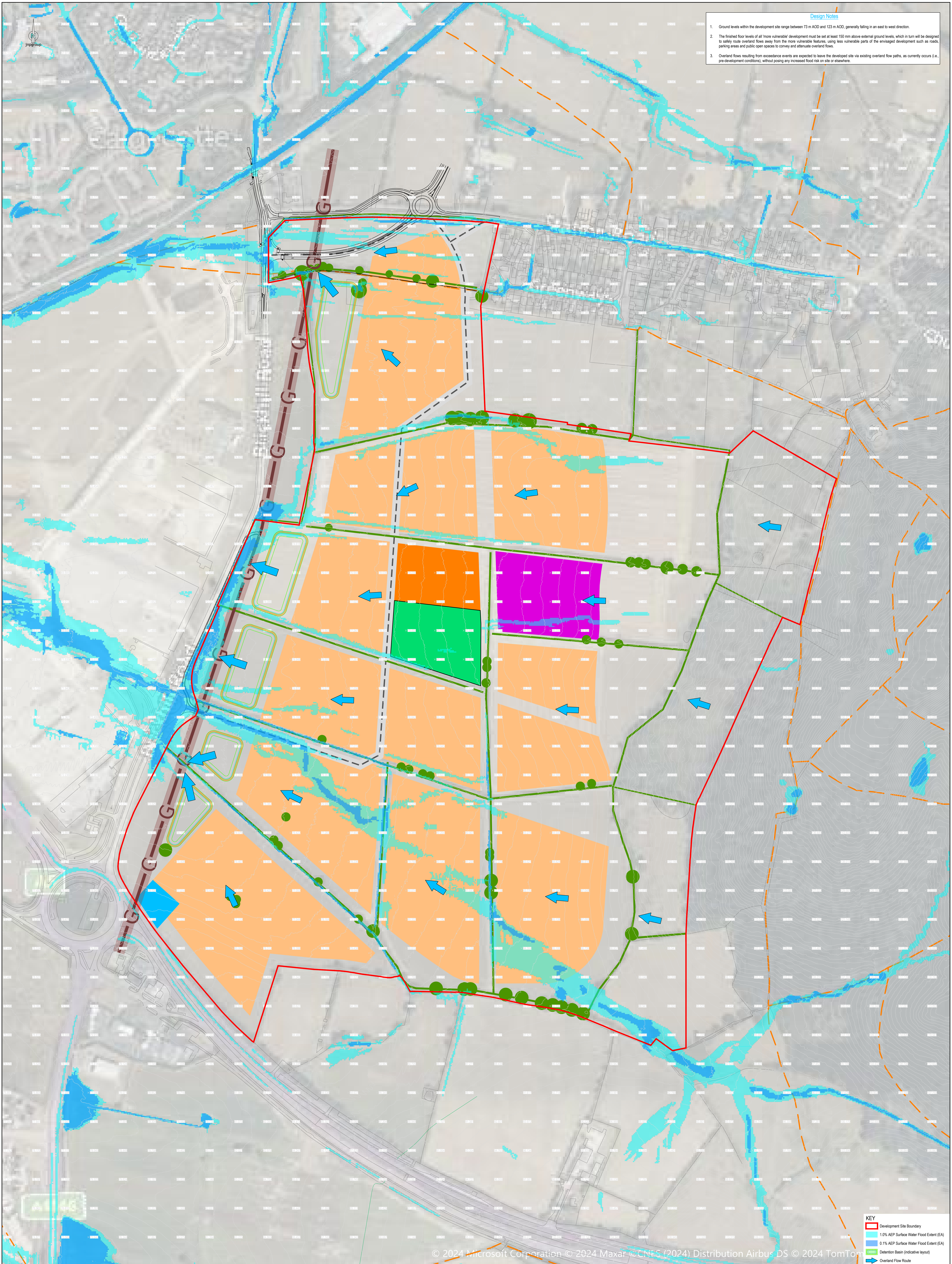
Results for 100 year +40% CC Critical Storm Duration. Lowest mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
960 minute winter	Northern Basin	945	75.861	1.161	427.5	8481.1880	0.0000	SURCHARGED
15 minute summer	Northern Outfall	1	74.600	0.000	31.3	0.0000	0.0000	OK
960 minute winter	Central Basin	945	73.073	1.173	933.8	18644.7700	0.0000	SURCHARGED
15 minute summer	Central Outfall	1	71.800	0.000	68.7	0.0000	0.0000	OK
720 minute winter	Southern Basin	720	73.096	1.196	225.2	3448.0650	0.0000	SURCHARGED
15 minute summer	Southern Outfall	1	71.800	0.000	12.7	0.0000	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Discharge Vol (m ³)
960 minute winter	Northern Basin	Hydro-Brake®	Northern Outfall	31.3	3789.7
960 minute winter	Central Basin	Hydro-Brake®	Central Outfall	68.7	8262.1
720 minute winter	Southern Basin	Hydro-Brake®	Southern Outfall	12.7	1447.3

Design Notes

1. Ground levels within the development site range between 73 m AOD and 123 m AOD, generally falling in an east to west direction.
2. The finished floor levels of all 'more vulnerable' development must be set at least 150 mm above external ground levels, which in turn will be designed to safely route overland flows away from the more vulnerable features, using less vulnerable parts of the envisaged development such as roads, parking areas and public open spaces to convey and attenuate overland flows.
3. Overland flows resulting from exceedance events are expected to leave the developed site via existing overland flow paths, as currently occurs (i.e. pre-development conditions), without posing any increased flood risk on site or elsewhere.



KEY

- Development Site Boundary
- 1.0% AEP Surface Water Flood Extent (EA)
- 0.1% AEP Surface Water Flood Extent (EA)
- Detention Basin (indicative layout)
- Overland Flow Route

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General Notes

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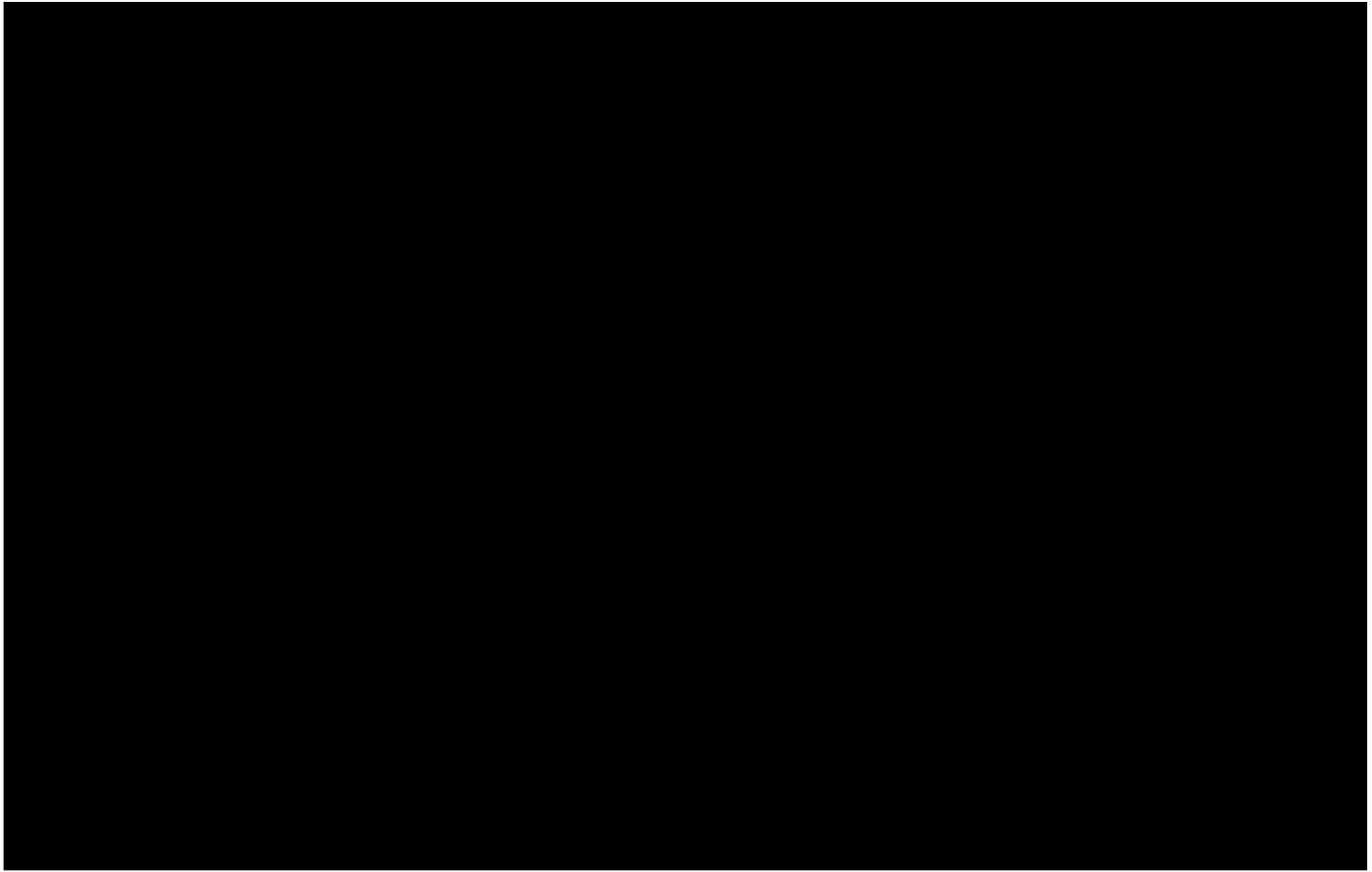
Client		L&Q Estates Ltd.	
Site		Land South of Bow Brickhill, Milton Keynes	
Title		Exceedance Flow Routes	
PO3	03/10/2024	Updated concept master plan.	RM / RM / RM
PO2	22/08/2024	Updated site access.	RM / RM / RM
PO1	24/07/2024	First issue.	RM / RM / RM
Author	FL 60_20	Scale	1:2000
S2 - Suitable for Information			



BR3122+JNP-XX-XX-DR-C-2002 P01



JNP GROUP
CONSULTING ENGINEERS



PROJECT: South of Bow Brickhill 333102427 DATE: 19/12/2025

SUBJECT: MK CITY PLAN 2050 - REGULATION 19 REPRESENTATIONS - SOUTH OF BOW BRICKHILL TRANSMITTAL ID: 00001

PURPOSE: For your use VIA: Info Exchange

FROM

NAME	COMPANY	EMAIL	PHONE
Connor Sheffield	Stantec UK	[REDACTED]	

TO

NAME	COMPANY	EMAIL	PHONE
ncp.engagement@milton-keynes.gov.uk		ncp.engagement@milton-keynes.gov.uk	

REMARKS: Dear Sir/Madam,

On behalf of Catesby Estates, please find attached a representation to the Milton Keynes Regulation 19 City Plan 2050 consultation regarding our client's site at South of Bow Brickhill – proposed allocation GS17.

This submission contains the following documents:

- 333102427 A3 CS South of Bow Brickhill Reg 19 Representations Cover Letter
- Appendix 1 – RG-M-01A – Site Boundary Plan
- Appendix 2 – RG-M-06 Land Holdings Plan
- Appendix 3 – South of Bow Brickhill Vision Doc A08
- Appendix 4 – RG-M-Ai01F Concept Masterplan
- Appendix 5 – 333102427 A3 SKB CS Regulation 19 Representation Forms South of Bow Brickhill
- Appendix 6 – 1001 – TN001 Rev B
- Appendix 7 – Land South of Milton Keynes LVA
- Appendix 7 – Land South of Milton Keynes LVA – BL-LP-01 Site Context Plan
- Appendix 7 – Land South of Milton Keynes LVA – BL-LP-02 Topography Plan
- Appendix 7 – Land South of Milton Keynes LVA – BL-LP-03 Landscape Character Plan
- Appendix 7 – Land South of Milton Keynes LVA – BL-LP-04 Site Appraisal Plan
- Appendix 7 – Land South of Milton Keynes LVA – BL-LP-05 ZTV Plan
- Appendix 7 – Land South of Milton Keynes LVA – BL-LP-06 – Visual Appraisal Plan
- Appendix 7 – Land South of Milton Keynes LVA – BL-LP-07 Landscape and

Transmittal

DATE: 19/12/2025
TRANSMITTAL ID: 00001

Visual Opportunities and Constraints

- Appendix 7 – Land South of Milton Keynes LVA – Site Appraisal Photographs
- Appendix 7 – Land South of Milton Keynes LVA – Site Context Photographs
- Appendix 7 – Land South of Milton Keynes LVA – Published Landscape Character Assessment Extract
- Appendix 8 – BR31221-JNP-XX-XX-RP-C-1001

Please confirm that this representation has been received and that they have been registered as having been 'duly made'

If you would like further clarification, or to discuss further, please do get in touch using the details on the letter sent via file transfer.

Kind regards,

Connor

Transmittal

DATE: 19/12/2025
TRANSMITTAL ID: 00001

DESCRIPTION OF CONTENTS

QTY	DATED	TITLE	NOTES
1	03/10/2024	Appendix 1 - RG-M-01A - Site Boundary Plan-(1-5000@A2).pdf	
1	03/10/2024	Appendix 2 - RG-M-06 - Land Holdings Plan-(1-5000@A2).pdf	
1	08/10/2024	Appendix 3 South of Bow Brickhill Vision Doc A08.pdf	
1	09/10/2024	Appendix 4 - RG-M-Ai01F - Concept Masterplan.pdf	
1	19/12/2025	Appendix 5 333102427 A3 SKB CS MK Regulation 19 Representation Forms South of Bow Brickhill.pdf	
1	18/12/2025	Appendix 6 -1001-TN001 Rev B (2).pdf	
1	08/10/2024	Appendix 7 - Land South of Milton Keynes - LVA - Final.pdf	
1	08/10/2024	Appendix 7 BL-LP-01 Site Context Plan-A1.pdf	
1	27/09/2024	Appendix 7 BL-LP-02 Topography Plan-A1.pdf	
1	08/10/2024	Appendix 7 BL-LP-03 Landscape Character Plan-A1.pdf	
1	27/09/2024	Appendix 7 BL-LP-04 Site Appraisal Plan-A1.pdf	
1	27/09/2024	Appendix 7 BL-LP-05 ZTV Plan-A1.pdf	
1	27/09/2024	Appendix 7 BL-LP-06 Visual Appraisal Plan-A1.pdf	
1	27/09/2024	Appendix 7 BL-LP-07 Landscape and Visual Opportunities and Constraints-A1.pdf	
1	27/09/2024	Appendix 7 Site Appraisal Photographs.pdf	
1	09/10/2024	Appendix 7 Site Context Photographs.pdf	
1	27/09/2024	Appendix 7 South Milton Keynes- Published Landscape Character Assessment Extracts.pdf	
1	11/12/2025	Appendix 8 BR31221-JNP-XX-XX-RP-C-1001 (1).pdf	
1	19/12/2025	333102427 A3 CS South of Bow Brickhill Reg 19 Representations Cover Letter FINAL.pdf	

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