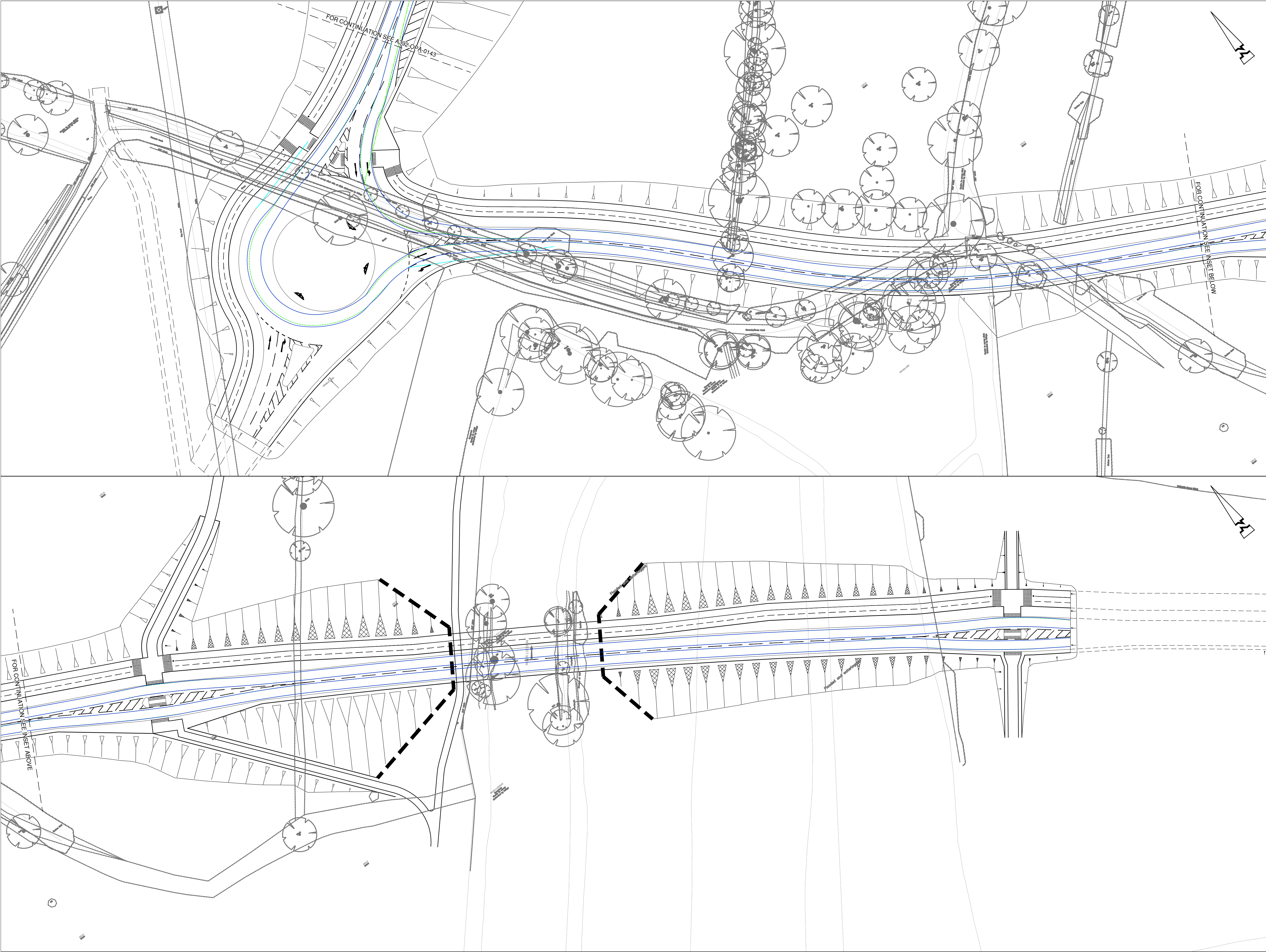




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GENERAL NOTES:

- Do not scale.
- Refer to all other Project Drawings and supporting notes.

VEHICLE DIMENSIONS AND SPECIFICATIONS:

Large Refuse Vehicle (4 axle)

Overall Length	11.347m
Overall Width	2.500m
Overall Body Height	3.751m
Min Body Ground Clearance	0.304m
Track Width	2.500m
Lock to lock time	4.00s
Wall to Wall Turning Radius	11.330m

Standard Design Vehicle (SDV)

Overall Length	4.800m
Overall Width	1.900m
Overall Body Height	2.100m
Min Body Ground Clearance	0.100m
Track Width	1.900m
Lock to lock time	2.00s
Wall to Wall Turning Radius	6.000m

KEY:

- Approach Sightlines to Junction
- 120m Roundabout Visibility Splay (40mph, DMRB CD109)
- 43m Roundabout Visibility Splay (30mph, MIS)

Scale 1:500

KEY PLAN
NTS

Redline Boundary

B	07.25	KEY PLAN REDLINE BOUNDARY UPDATED	CS	LPA
A	06.25	FIRST ISSUE	RG	CS
Rev	Date	Description	Drawn	Checked

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UNIVERSITY OF READING

Project

LODDON GARDEN VILLAGE

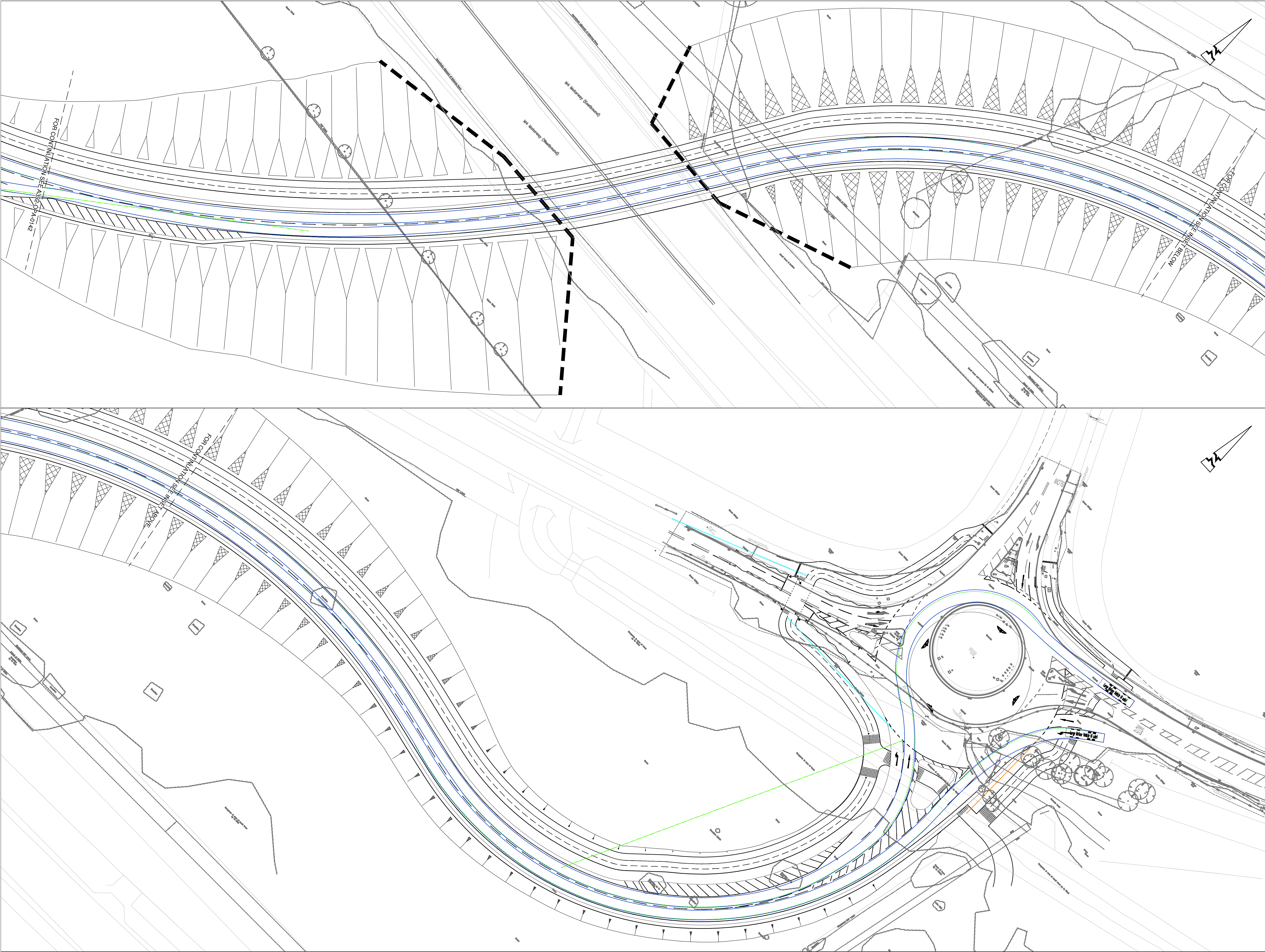
Title

REFUSE VEHICLE AND FIRE TENDER SWEEP PATHS
SHEET 3 OF 6

Status

Scale	Date	Drawn	Checked
1:500 @ A1	JUN 2025	RG	CS

Drawing No.	Revision
A392-OPA-0142	B



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GENERAL NOTES:

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- Refer to all other Project Drawings and supporting notes.

VEHICLE DIMENSIONS AND SPECIFICATIONS:

Large Refuse Vehicle (4 axle)

Overall Length	11.347m
Overall Width	2.500m
Overall Body Height	3.751m
Min Body Ground Clearance	0.904m
Track Width	2.500m
Lock to lock time	4.006m
Wall to Wall Turning Radius	11.330m

Standard Design Vehicle (SDV)

Overall Length	4.800m
Overall Width	2.000m
Overall Body Height	1.950m
Min Body Ground Clearance	0.100m
Track Width	2.000m
Lock to lock time	4.006m
Wall to Wall Turning Radius	6.000m

KEY:

- Approach Sightlines to Junction
- 120m Roundabout Visibility Splay (40mph, DMRB CD109)
- 43m Roundabout Visibility Splay (30mph, MIS)

0 5 10 15 20 25m
Scale 1:500

KEY PLAN
NTS

Redline Boundary

B	07.25	KEY PLAN REDLINE BOUNDARY UPDATED	CS	LPA
A	06.25	FIRST ISSUE	RG	CS
Rev	Date	Description	Drawn	Checked

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UNIVERSITY OF READING

Project

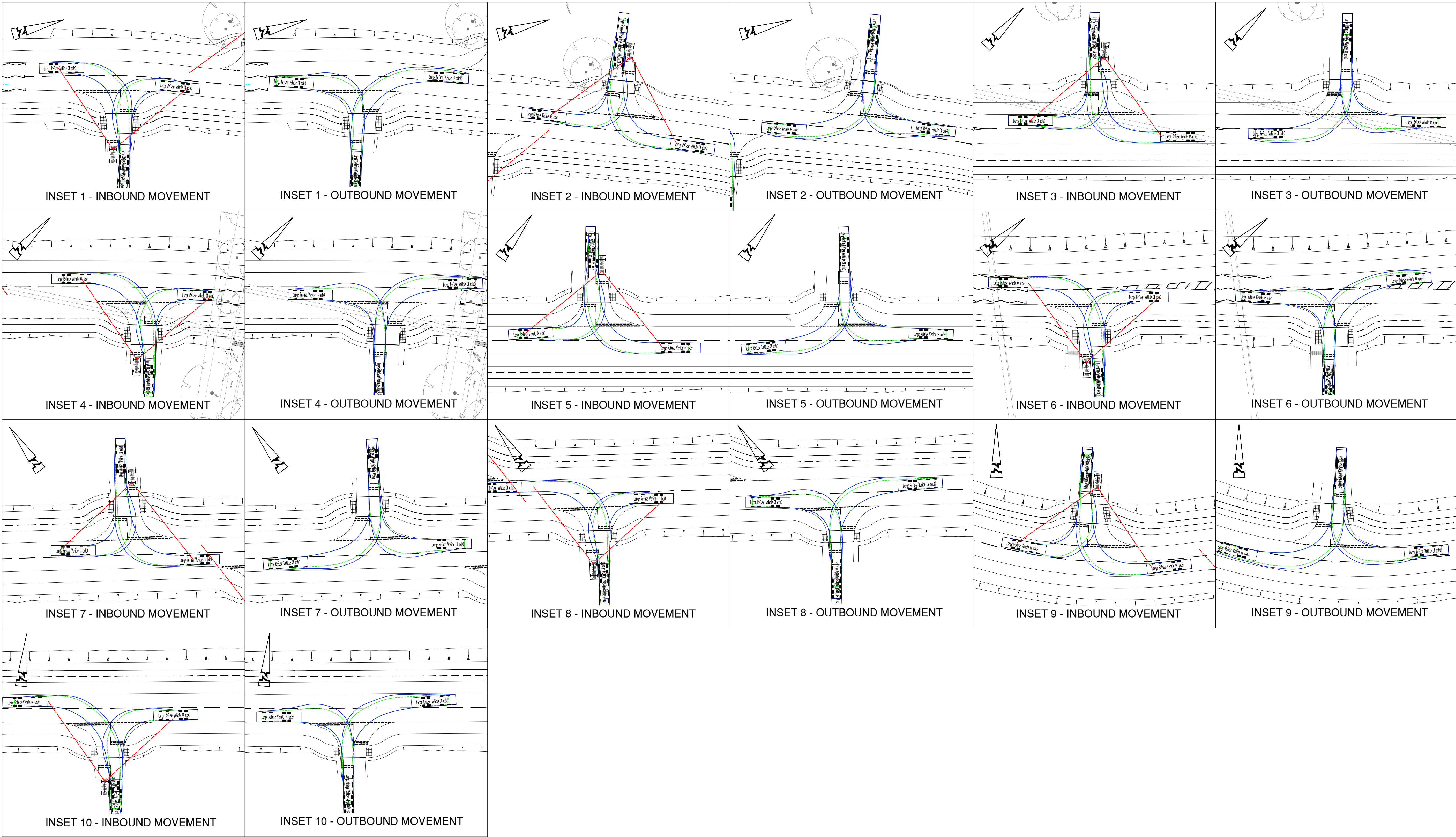
LODDON GARDEN VILLAGE

Title

REFUSE VEHICLE AND FIRE TENDER SWEEP PATHS
SHEET 4 OF 6

Status

Scale	Date	Drawn	Checked
1:500 @ A1	JUN 2025	RG	CS
Drawing No.	A392-OPA-0143		Revision
			B



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VEHICLE DIMENSIONS AND SPECIFICATIONS:

Large Refuse Vehicle (4 axle)

Overall Length	11.347m
Overall Width	2.500m
Overall Body Height	3.751m
Min Body Ground Clearance	0.304m
Track Width	2.500m
Lock to lock time	6.009s
Wall to Wall Turning Radius	11.330m

Standard Design Vehicle (SDV)

Overall Length	4.800m
Overall Width	2.000m
Overall Body Height	1.950m
Min Body Ground Clearance	0.100m
Track Width	2.000m
Lock to lock time	4.009s
Wall to Wall Turning Radius	6.000m

KEY:

- Approach Sightlines to Junction
- 120m Roundabout Visibility Splay (40mph, DMRB CD109)
- 43m Roundabout Visibility Splay (30mph, MIS)

A	06.25	FIRST ISSUE	RG	CS
Rev	Date	Description	Drawn	Checked

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Project

LODDON GARDEN VILLAGE

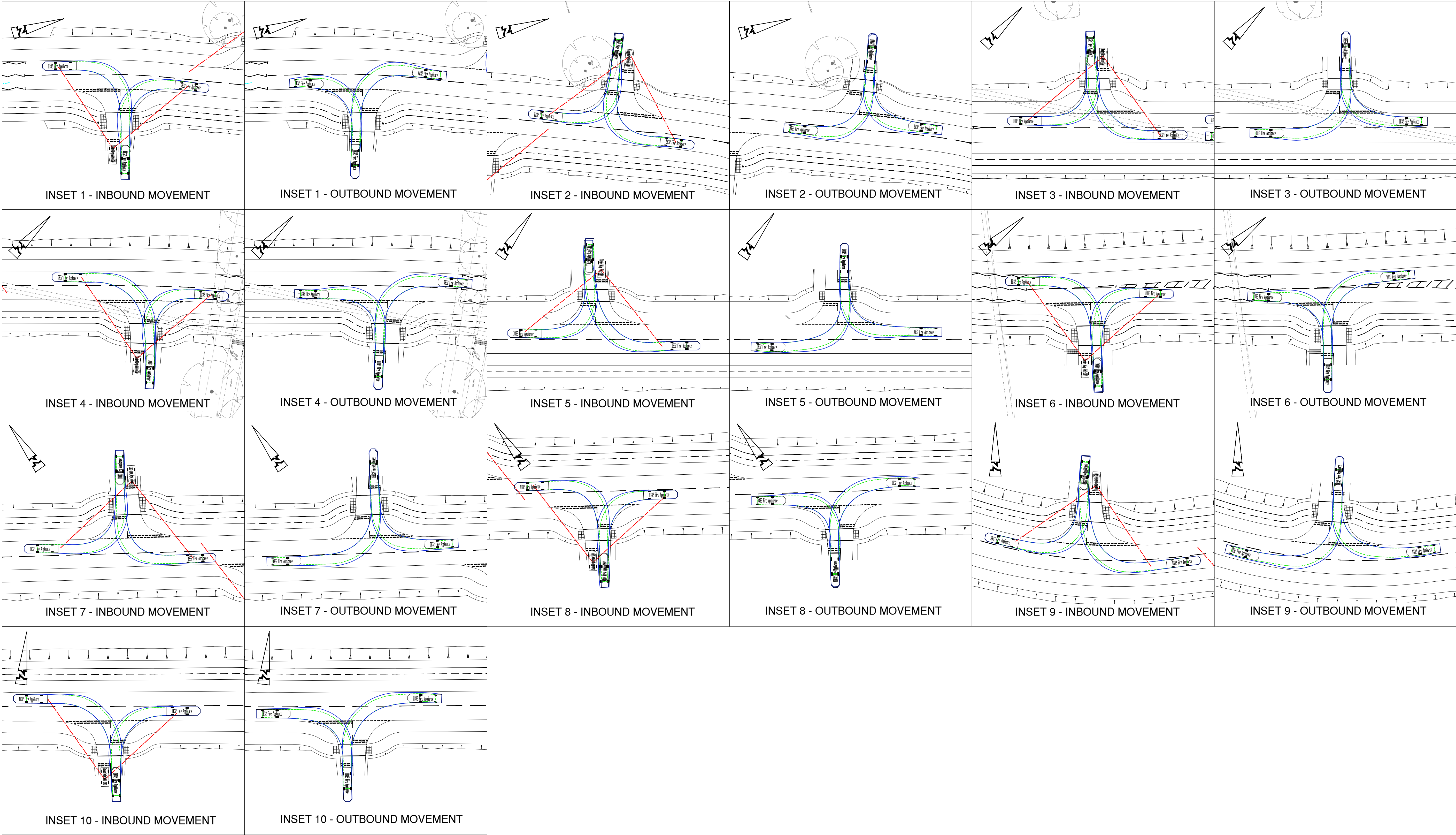
Title

REFUSE VEHICLE AND FIRE TENDER SWEPT PATHS
SHEET 5 OF 6

Status

Scale	Date	Drawn	Checked
1:500 @ A1	JUN 2025	RG	CS

Drawing No	Revision
A392-OPA-0144	A



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GENERAL NOTES:

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VEHICLE DIMENSIONS AND SPECIFICATIONS:

DB32 Fire Appliance
Overall Length 8.680m
Overall Width 2.150m
Overall Body Height 3.450m
Min Body Ground Clearance 0.337m
Max Track Width 2.121m
Lock to lock time 6.00s
Kerb to Kerb Turning Radius 7.910m

Standard Design Vehicle (SDV)
Overall Length 4.800m
Overall Width 2.000m
Overall Body Height 1.900m
Min Body Ground Clearance 0.100m
Track Width 2.000m
Lock to lock time 4.00s
Wall to Wall Turning Radius 6.000m

KEY:

- Approach Sightlines to Junction
- 120m Roundabout Visibility Splay (40mph, DMRB CD109)
- 43m Roundabout Visibility Splay (30mph, MIS)

A	06.25	FIRST ISSUE	RG	CS
Rev	Date	Description	Drawn	Checked

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Project

LODDON GARDEN VILLAGE

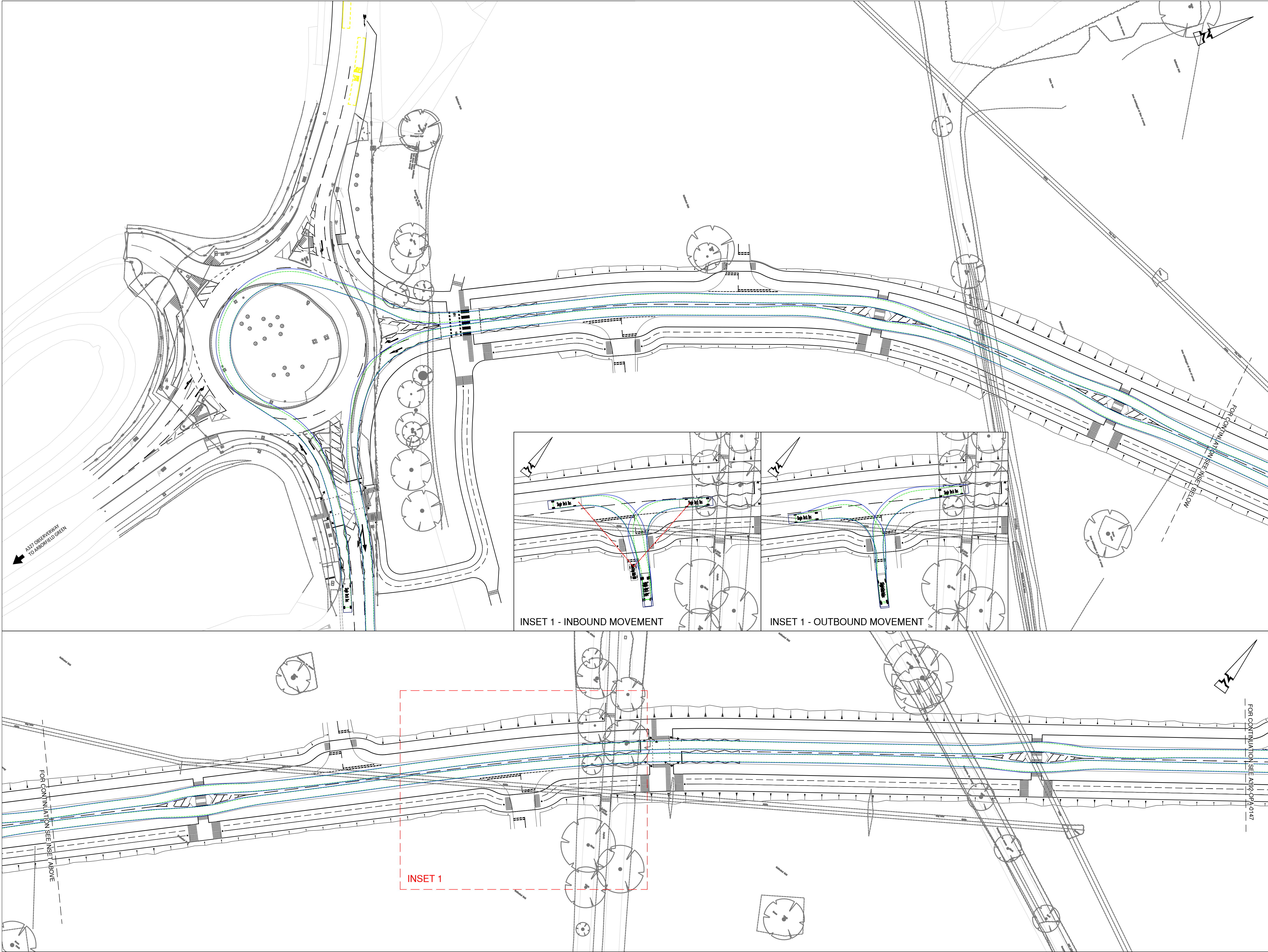
Title

REFUSE VEHICLE AND FIRE TENDER SWEEP PATHS
SHEET 6 OF 6

Status

Scale	Date	Drawn	Checked
1:500 @ A1	JUN 2025	RG	CS

Drawing No	Revision
A392-OPA-0145	A



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GENERAL NOTES:

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VEHICLE DIMENSIONS AND SPECIFICATIONS:

Single Deck Bus

Overall Length	9.795m
Overall Width	2.500m
Overall Body Height	3.070m
Min. Body Ground Clearance	0.336m
Track Width	2.022m
Lock to lock time	4.90s
Kerb to Kerb Turning Radius	10.111m

Standard Design Vehicle (SDV)

Overall Length	4.800m
Overall Width	2.000m
Overall Body Height	1.550m
Min. Body Ground Clearance	0.100m
Track Width	2.000m
Lock to lock time	4.90s
Wall to Wall Turning Radius	6.000m

KEY:

- Approach Sightlines to Junction
- 120m Roundabout Visibility Splay (40mph, DMRB CD109)
- 43m Roundabout Visibility Splay (30mph, MfS)

0 5 10 15 20 25m
Scale 1:500

LOWER EARLEY WAY
M4
RIVER LODDON
A327
CHURCH LANE
READING ROAD
MOTF ROAD

KEY PLAN
NTS

Redline Boundary

B	07.25	KEY PLAN REDLINE BOUNDARY UPDATED	CS	LPA
A	06.25	FIRST ISSUE	RG	CS
Rev	Date	Description	Drawn	Checked

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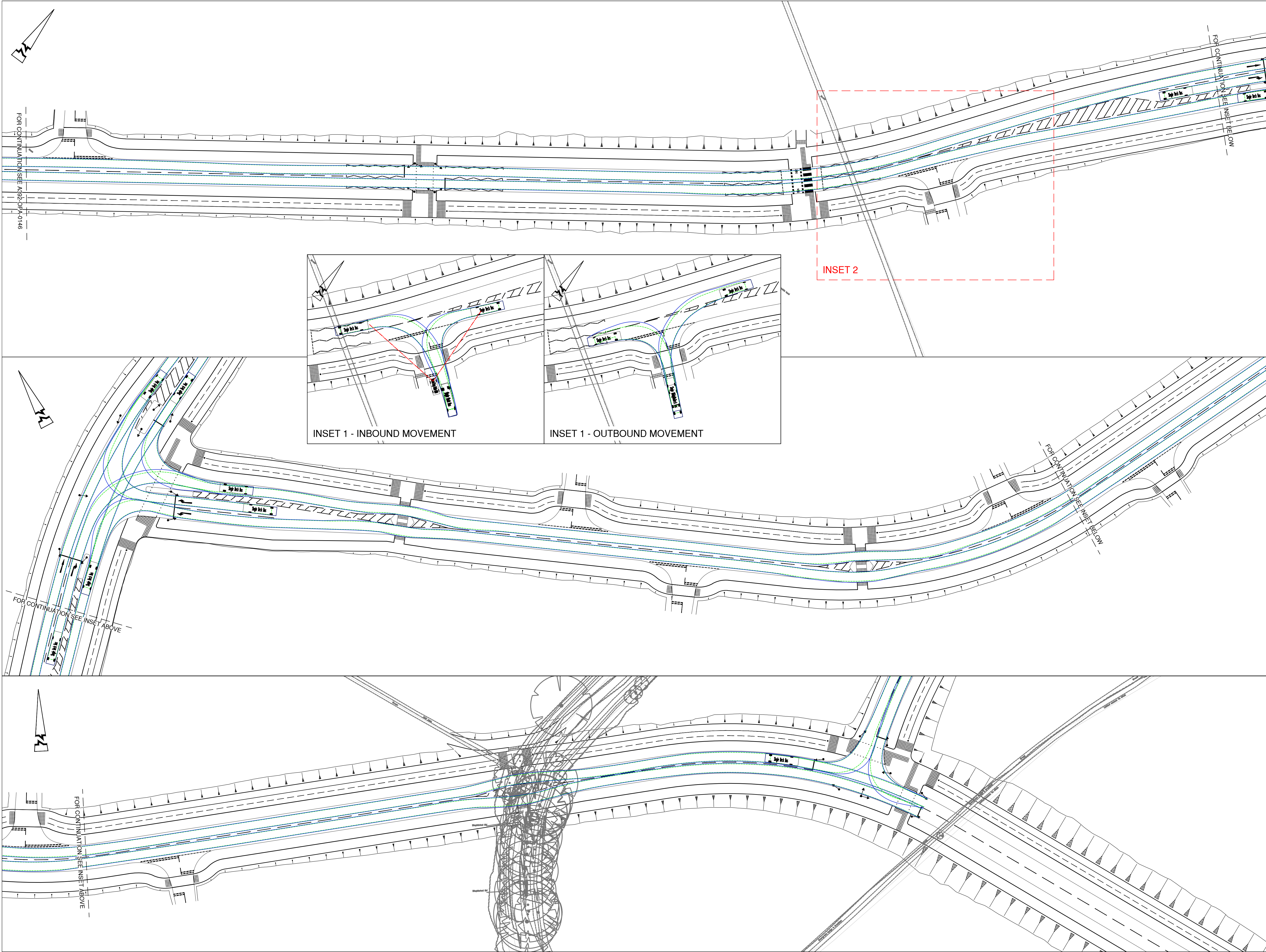
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UNIVERSITY OF READING

Project
LODDON GARDEN VILLAGE

Title
**BUS SWEEP PATHS
SHEET 1 OF 4**

Status

Scale	Date	Drawn	Checked
1:500 @ A1	JUN 2025	RG	CS
Drawing No	Revision		
A392-OPA-0146			B



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VEHICLE DIMENSIONS AND SPECIFICATIONS:

Single Deck Bus

Overall Length 9.795m
Overall Width 2.500m
Overall Body Height 3.070m
Min. Body Ground Clearance 2.325m
Track Width 2.000m
Lock to lock time 4.90s
Kerb to Kerb Turning Radius 10.111m

Standard Design Vehicle (SDV)

Overall Length 4.800m
Overall Width 2.000m
Overall Body Height 1.900m
Min. Body Ground Clearance 0.100m
Track Width 2.000m
Lock to lock time 4.90s
Wall to Wall Turning Radius 6.000m

KEY:

- Approach Sightlines to Junction
- 120m Roundabout Visibility Splay (40mph, DMRB CD109)
- 43m Roundabout Visibility Splay (30mph, MIS)

B	07.25	KEY PLAN REDLINE BOUNDARY UPDATED	CS	LPA
A	06.25	FIRST ISSUE	RG	CS
Rev	Date	Description	Drawn	Checked

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Project

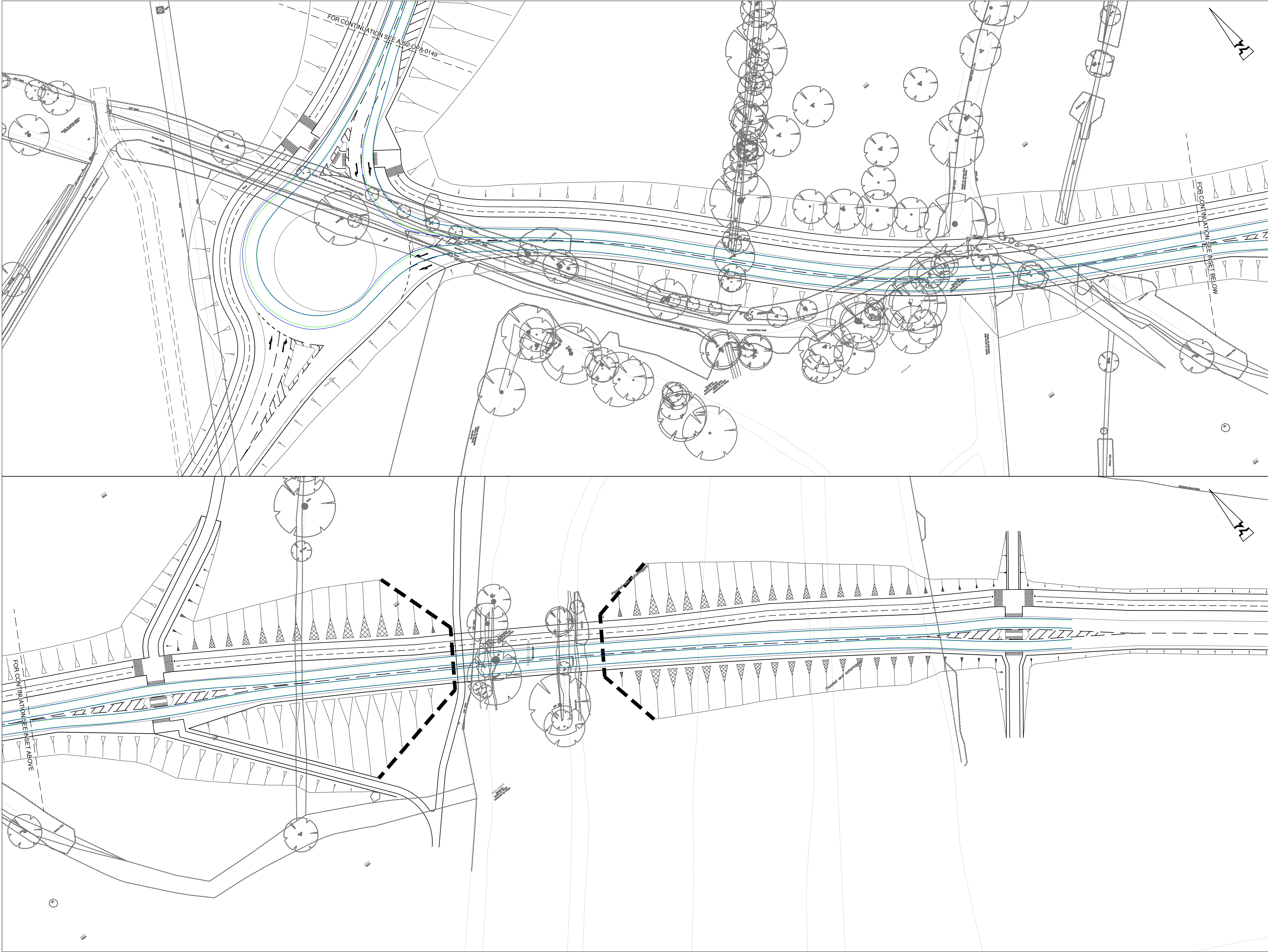
LODDON GARDEN VILLAGE

Title

BUS SWEEP PATHS
SHEET 2 OF 4

Status

Scale	Date	Drawn	Checked
1:500 @ A1	JUN 2025	RG	CS
Drawing No	Revision		
A392-OPA-0147			B



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GENERAL NOTES:

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VEHICLE DIMENSIONS AND SPECIFICATIONS:

Single Deck Bus
Overall Length 9.795m
Overall Width 2.500m
Overall Body Height 3.070m
Min Body Ground Clearance 3.305m
Track Width 2.000m
Lock to lock time 4.905m
Kerb to Kerb Turning Radius 10.111m

Standard Design Vehicle (SDV)
Overall Length 4.800m
Overall Width 2.000m
Overall Body Height 0.150m
Min Body Ground Clearance 0.100m
Track Width 2.000m
Lock to lock time 4.905m
Wall to Wall Turning Radius 6.000m

KEY:

- Approach Sightlines to Junction
- 120m Roundabout Visibility Splay (40mph, DMRB CD109)
- 43m Roundabout Visibility Splay (30mph, MIS)

Scale 1:500

0 5 10 15 20 25m

FOR CONTINUATION SEE INSET ABOVE

FOR CONTINUATION SEE INSET BELOW

LOWER EARLEY WAY
M4
RIVER LODDON
A327
CHURCH LANE
READING ROAD
MOTF ROAD

KEY PLAN
NTS

Redline Boundary

B	07.25	KEY PLAN REDLINE BOUNDARY UPDATED	CS	LPA
A	06.25	FIRST ISSUE	RG	CS
Rev	Date	Description	Drawn	Checked

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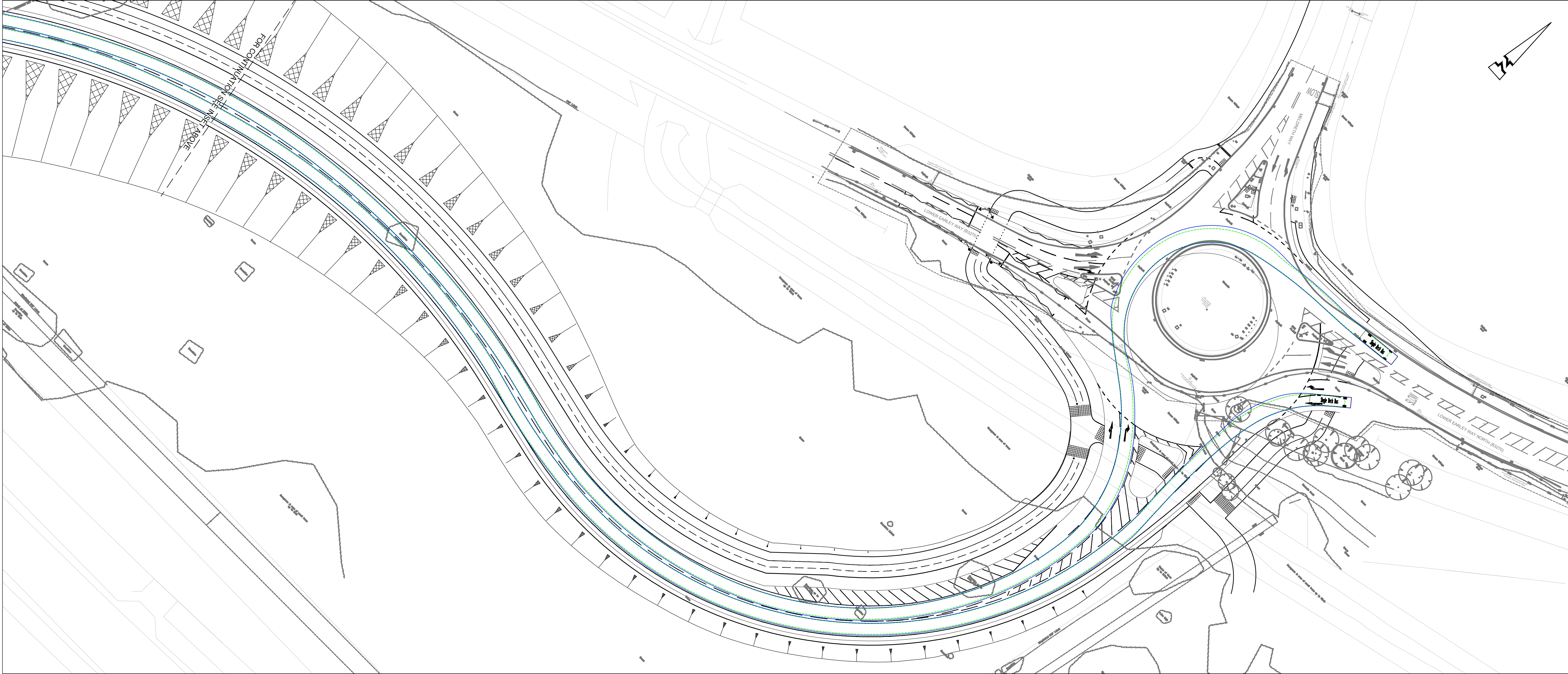
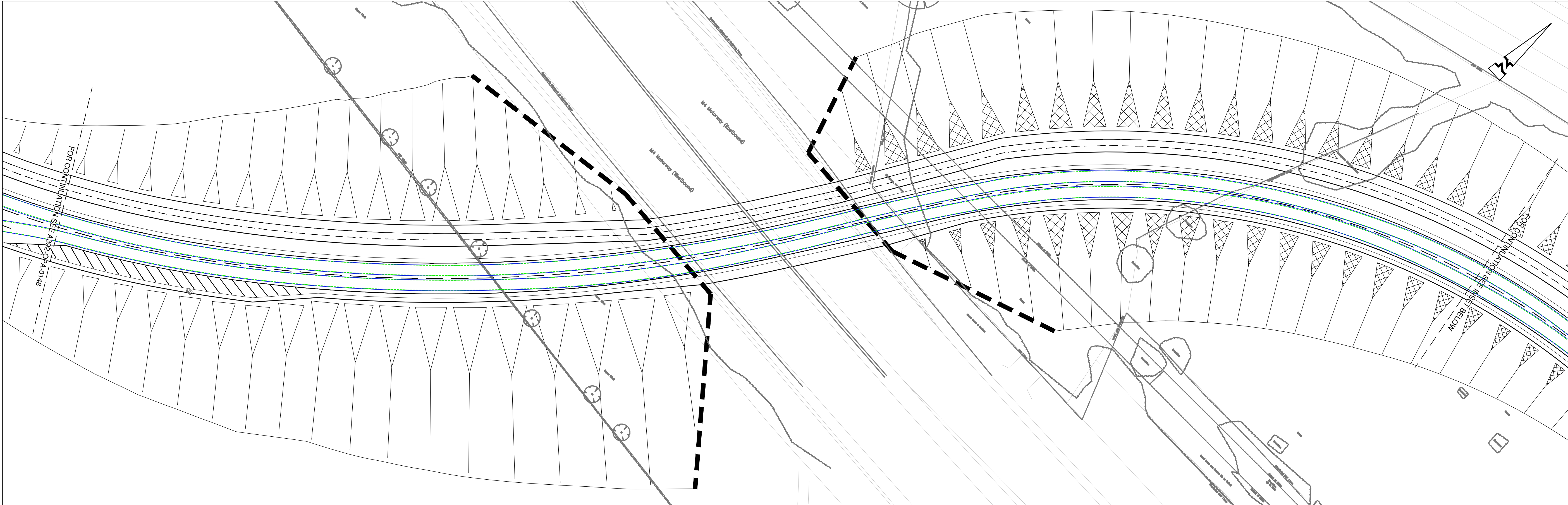
Client
UNIVERSITY OF READING

Project
LODDON GARDEN VILLAGE

Title
**BUS SWEPT PATHS
SHEET 3 OF 4**

Status

Scale	Date	Drawn	Checked
1:500 @ A1	JUN 2025	RG	CS
Drawing No	Revision		
A392-OPA-0148	B		



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GENERAL NOTES:

- Do not scale.
- Refer to all other Project Drawings and supporting notes.

VEHICLE DIMENSIONS AND SPECIFICATIONS:

Single Deck Bus
Overall Length 9.795m
Overall Width 2.500m
Overall Body Height 3.070m
Min. Body Ground Clearance 2.322m
Track Width 2.000m
Lock to lock time 4.90s
Kerb to Kerb Turning Radius 10.111m

Standard Design Vehicle (SDV)
Overall Length 4.800m
Overall Width 2.000m
Overall Body Height 2.000m
Min. Body Ground Clearance 0.100m
Track Width 2.000m
Lock to lock time 4.90s
Wall to Wall Turning Radius 6.000m

KEY:

- Approach Sightlines to Junction
- 120m Roundabout Visibility Splay (40mph, DMRB CD109)
- 43m Roundabout Visibility Splay (30mph, MIS)

Scale 1:500

KEY PLAN
NTS

B	07.25	KEY PLAN REDLINE BOUNDARY UPDATED	CS	LPA
A	06.25	FIRST ISSUE	RG	CS
Rev	Date	Description	Drawn	Checked

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Project

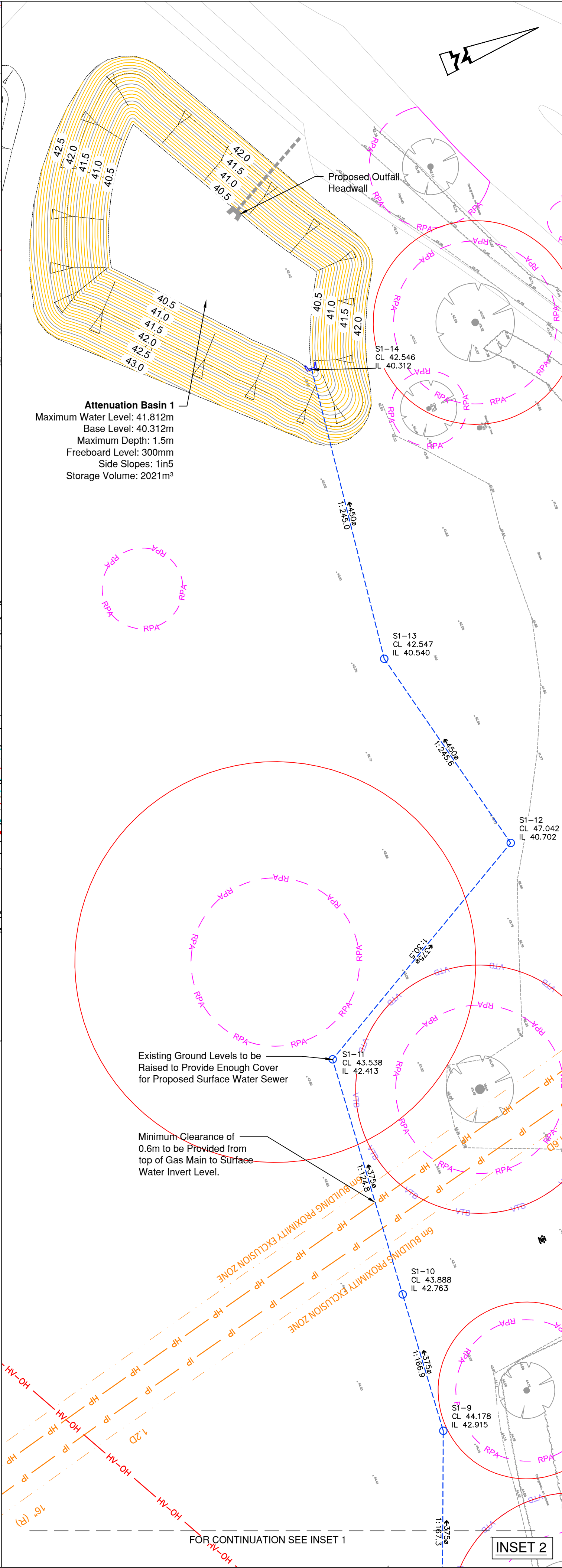
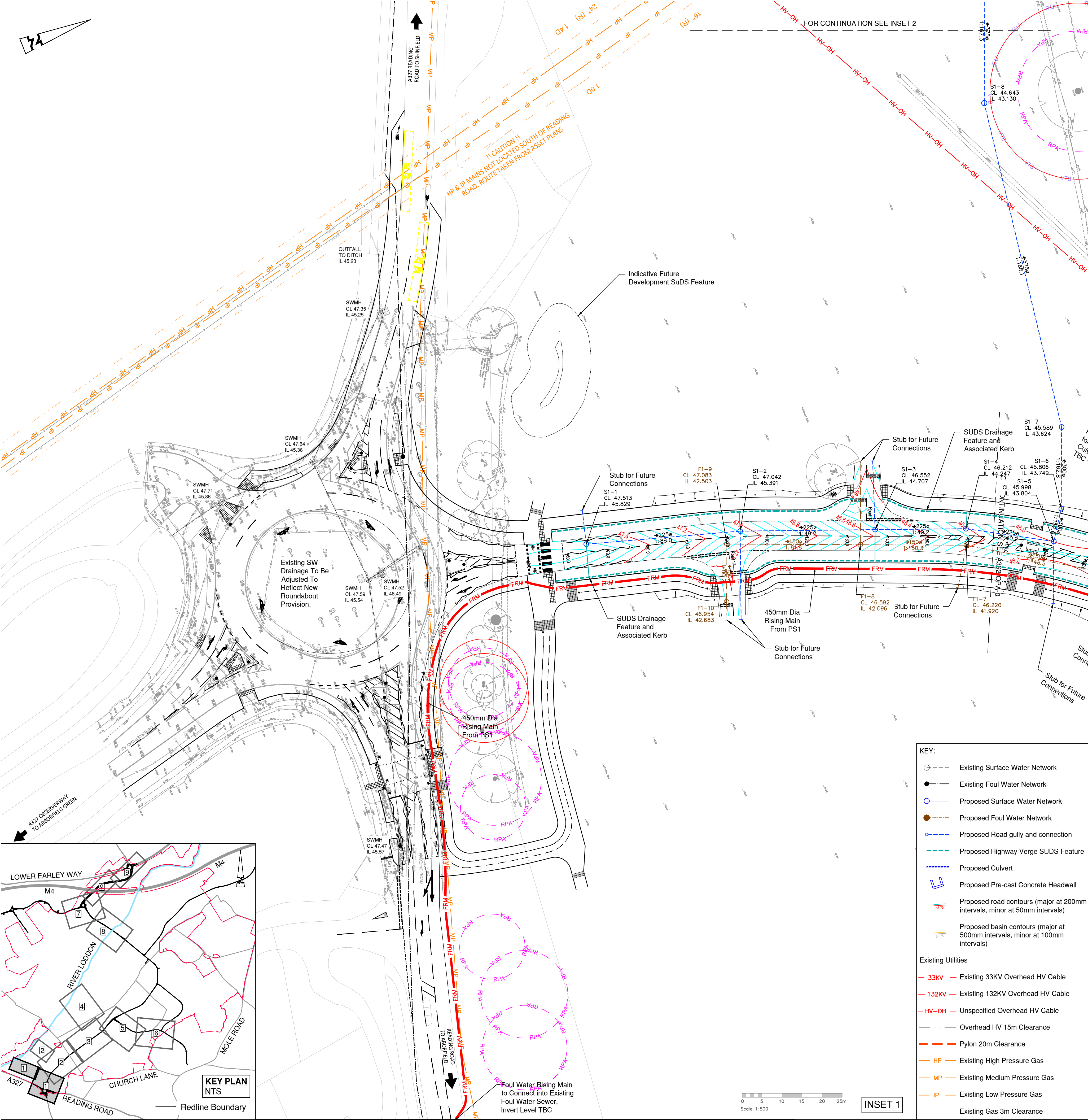
LODDON GARDEN VILLAGE

Title

BUS SWEEP PATHS
SHEET 4 OF 4

Status

Scale	Date	Drawn	Checked
1:500 @ A1	JUN 2025	RG	CS
Drawing No	Revision		
A392-OPA-0149			B



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DRAINAGE NOTES:

- Do not scale.
- Refer to all other Project Drawings and supporting notes.
- All adoptable drainage works to be constructed as detailed in Design and Construction Guidance or as stipulated in the Water Authorities Addendum.
- All public sewers are to be the subject of a Section 104 agreement of the Water Industry Act 1991.
- Invert levels of existing manholes and sewers are to be checked on site before construction commences and results reported to engineers.
- The Contractor is responsible for maintaining continuity of flow for all existing sewers within the site boundary and limit of works for the duration of the project.
- All drainage ironworks to comply with BS EN124, and be stamped with BSI Kitemark. Covers to suit loading as below:
 - Carriageways and Roads - D400
 - Driveways and Verges - C250
 - Footways and Pedestrian Areas - B125
 - Gardens/Landscaping - A15
- All sewer pipes, up to, and including 600mm are to be vitrified clay or PVC-U to BS EN295 and BS EN1404 respectively. All sewer pipes 675mm diameter and above to be concrete pipes to BS EN1916.
- All drainage shall be installed and tested strictly in accordance with the Manufacturers' printed instructions, BS EN 752, BS EN 1601, Local Water Authority requirements and the Building Regulations.
- All bedding shall be Class S unless noted otherwise.
- All trenches under existing and proposed public highways are to be backfilled with thoroughly compacted Type 1 granular sub-base material.
- Drainage laid beneath roads and areas of vehicular access (car parking etc) with less than 1200mm of cover shall be encased in concrete bed and surround with associated movement joints. Drainage laid beneath paths, footways and pedestrian areas with less than 900mm of cover shall be similarly treated.
- Chambers with outgoing pipes greater than 600mm diameter shall be fitted with guard bars, safety chains or other approved safety devices.
- The use of precast concrete products made with sulphate resisting cement is mandatory, unless a laboratory report proves such precautions are not necessary.
- All gully connections to use a minimum diameter pipe of 150mm and to be surrounded by a minimum of 150mm of grade C8/C10 concrete over its full length (which should not exceed 15m) and its connection to the carrier system.
- All sewers to be abandoned must be surveyed to identify any lateral connections that are still live with any found to be reported to the Engineer.
- All foul and storm water drains which are not to be adopted as public sewers shall be in accordance with Document H of the Building regulations, together with NHBC Standards Chapter 5.3 and BS8301.
- Where pipes pass through footings, retaining or screen walls, lintels to be provided over drains.
- Where inverts are less than 0.6m deep inspection chambers (min dia. 190mm) or access fittings (225 x 100mm) to be used, elsewhere proprietary plastic, brick or pcc is to be used and sized in accordance with Table 11 of Document H of the Building Regulations [$<0.6m$ to invert min DN300, $>0.6m$ to invert min DN475].
- All gullies connected direct to drains to be roddable.
- Adequate precautions in accordance with Approved Document H and manufacturers' recommendations to be taken to protect drains (particularly plastic) at shallow depths.
- Trees and shrubs of a large size or heavy canopy with a moderate or high water demand must not be planted within any sewer easement.
- Gullies within and adjacent to area of site works to be suction cleaned at commencement and completion of works.

Rev	Date	Description	Drawn	Checked
B	07.25	KEY PLAN REDLINE BOUNDARY UPDATED	CS	LPA
A	06.25	FIRST ISSUE	JJS	CS

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Project

LODDON GARDEN VILLAGE

Title

**DRAINAGE AND LEVELS
LAYOUT
SHEET 1 OF 9**

Status

Scale	Date	Drawn	Checked
1:500 @ A1	JUNE 2025	JJS	CS

Drawing No.	Revision
A392-OPA-0501	B