DO NOT SCALE

Scale 1:500
10m 0m 10m 20m 30m

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Key:

- Site Extents Boundary
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REV	DATE	BY	DESCRIPTION	CHK	APP
P01	11/11/2022	JS	FIRST ISSUE	BN	JW

Scale 1:1000
10m 0m 10m 20m 30m 40m 50m 60m 70m

Existing bridge over A428

Proposed retaining feature subject to further development

Proposed crossing point 4m wide

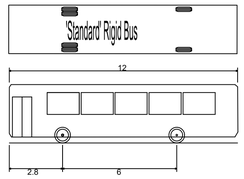
Proposed retaining feature subject to further development

Proposed maintenance bay and controller

Bus Lane Enforcement ANPR 2 way camera

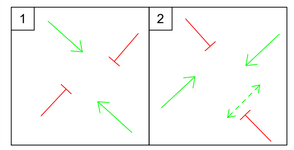
DRAFT

Vehicles used for the swept path



'Standard' Rigid Bus	
Overall Length	12.000m
Overall Width	2.550m
Overall Body Height	3.069m
Min Body Ground Clearance	0.309m
Track Width	2.350m
Lock to lock time	4.00s
Wall to Wall Turning Radius	10.771m

Junction Signal Staging



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DRAWING STATUS: S2 - FOR INFORMATION

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62-64 Hills Road, Cambridge, CB2 1LA, UK
T+ 44 (0) 1223 558 050, F+ 44 (0) 1223 558 051
wsp.com

CLIENT: GREATER CAMBRIDGE PARTNERSHIP

ARCHITECT:

SITE/PROJECT: C2C TWAO STAGE

TITLE: SIDE ROAD JUNCTION
Childerley Lodge

SCALE @ A1:	CHECKED:		APPROVED:
1:500	BN		JW
PROJECT NO:	DESIGNED:	DRAWN:	DATE:
70086660	JS	VR	November 22

DRAWING No: 70086660-WSP-HSR-XX-DR-HW-000001 REV: P01

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DO NOT SCALE

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REV	DATE	BY	DESCRIPTION	CHK	APP
P01	11/11/2022	JS	FIRST ISSUE	PN	JW

Scale 1:500
10m 0m 10m 20m 30m

Scale 1:1000
10m 0m 10m 20m 30m 40m 50m 60m 70m

Scotland Rd roundabout to remain

Proposed widening on existing shared used path to 3.0m

Existing uncontrolled crossing point to remain

Existing departure from standard on forward visibility

Proposed carriageway widening to accommodate public transport vehicle movements. Existing trees to be removed

Existing footway to remain with no separation between the carriageway and the closest edge of the ATP. Absolute minimum from CD195 0.5m.

Culvert extended to make way for proposed PTR

Proposed surface water attenuation feature.

Right turn lane for PTR

Proposed maintenance bay and controller

Proposed crossing point 4m wide

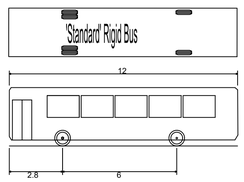
Proposed uncontrolled crossing

Proposed shared use path crosses Old St Neots Rd rejoining St Neots Rd on the eastern side of the Scotland Rd roundabout

100m SSD provided. Desirable minimum from CD109 120m (1-step below 90m). From TSM recomended SSD 80m.

DRAFT

Vehicles used for the swept path



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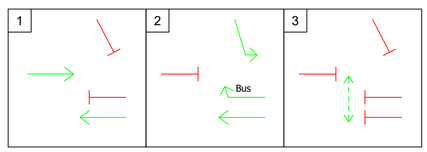
Junction Signal Staging



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T+ 44 (0) 1223 558 050, F+ 44 (0) 1223 558 051
wsp.com

CLIENT: GREATER CAMBRIDGE PARTNERSHIP

ARCHITECT:

SITE/PROJECT: C2C TWAO STAGE

TITLE: SIDE ROAD JUNCTION
St Neots Road

SCALE @ A1:	CHECKED:	APPROVED:
1:500	BN	JW

PROJECT NO:	DESIGNED:	DRAWN:	DATE:
70086660	JS	VR	November 22

DRAWING No: 70086660-WSP-HSR-XX-DR-HW-000002 REV: P01

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Scale 1:500
10m 0m 10m 20m 30m

Bus Lane - Buses and authorised vehicles

Bus Gate - Buses only beyond this point

Revised priority junction layout. Access between Long Road and Madingley Mulch Roundabout maintained for general traffic

Bus Lane Enforcement ANPR 2 way camera

Bus Lane Enforcement ANPR 2 way camera

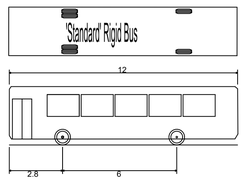
Proposed surface water attenuation feature.

Proposed maintenance bay and controller

Scale 1:1000
10m 0m 10m 20m 30m 40m 50m 60m 70m

DRAFT

Vehicles used for the swept path



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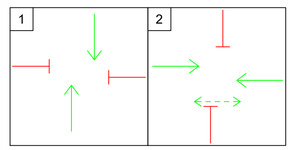

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CLIENT: GREATER CAMBRIDGE PARTNERSHIP

ARCHITECT:

SITE/PROJECT: C2C TWAO STAGE

TITLE: SIDE ROAD JUNCTION
Long Road

SCALE @ A1:	CHECKED:	APPROVED:
1:500	BN	JW

PROJECT NO:	DESIGNED:	DRAWN:	DATE:
70086660	JS	VR	November 22

DRAWING No: 70086660-WSP-HSR-XX-DR-HW-000003 REV: P01

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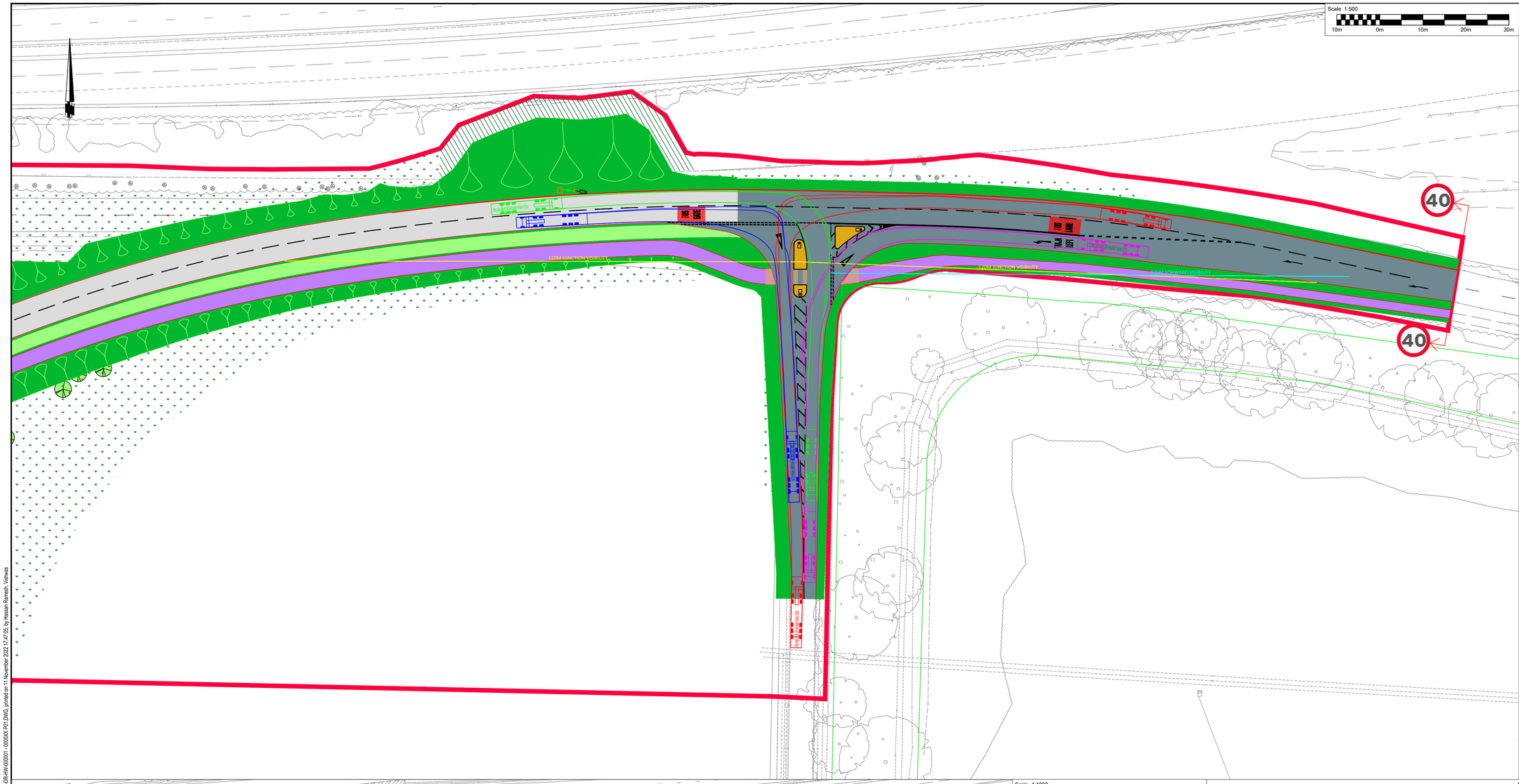

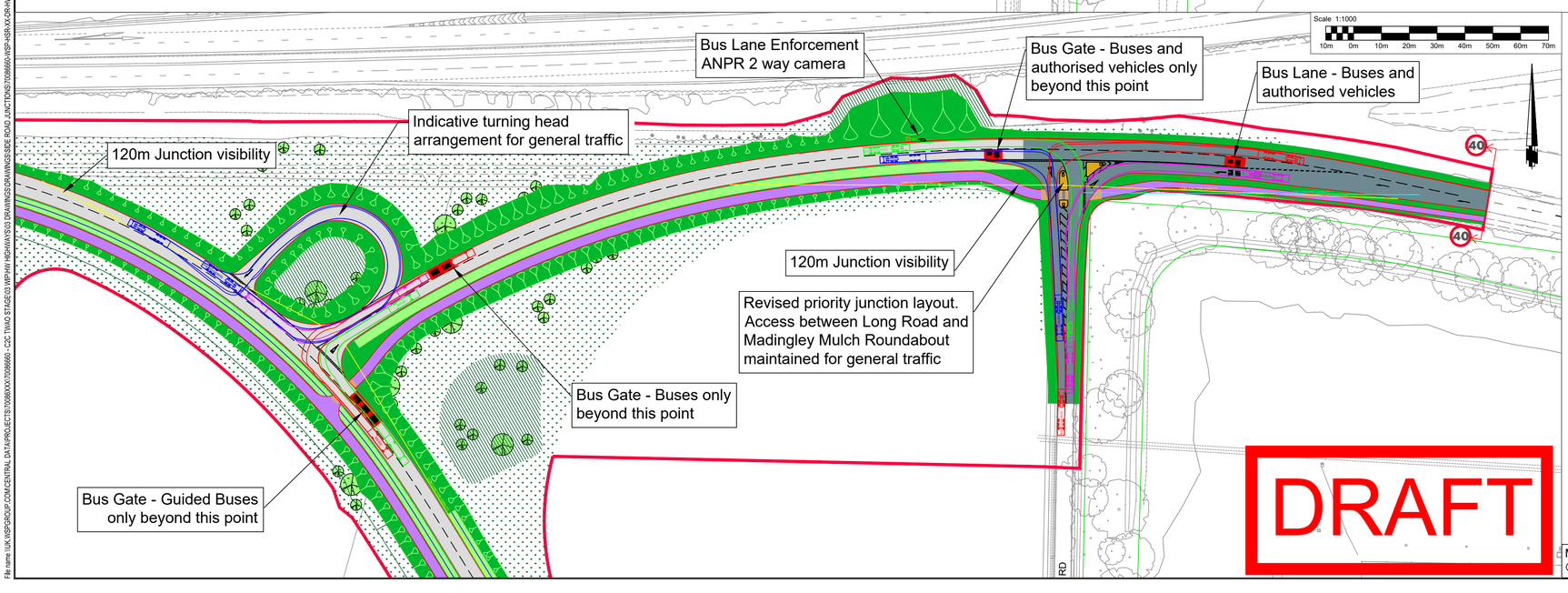

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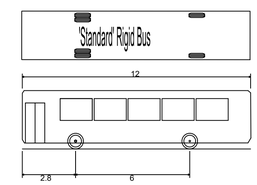
P01	11/11/2022	JS	FIRST ISSUE	BN	JW

Vehicles used for the swept path



'Standard' Rigid Bus

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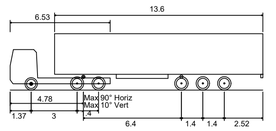
Min Body Ground Clearance	0.309m
Track Width	2.350m
Lock to lock time	4.00s
Wall to Wall Turning Radius	10.771m



Max Legal Length (UK) Articulated Vehicle (16.5m)

Overall Length	16.500m
Overall Width	2.550m
Overall Body Height	3.681m
Min Body Ground Clearance	0.411m
Max Track Width	2.500m
Lock to lock time	6.00s
Kerb to Kerb Turning Radius	6.530m

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wsp.com

CLIENT: GREATER CAMBRIDGE PARTNERSHIP

ARCHITECT:

SITE/PROJECT: C2C TWAO STAGE

TITLE: SIDE ROAD JUNCTION
Long Road and St Neots Road

SCALE @ A1:	CHECKED:	APPROVED:
1:500	BN	JW

PROJECT NO:	DESIGNED:	DRAWN:	DATE:
70086660	JS	VR	November 22

DRAWING No: 70086660-WSP-HSR-XX-DR-HW-000004 REV: P01

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Scale 1:500
10m 0m 10m 20m 30m

Leslie Barnett House
Michael Stoker Building
Ian Pippard Building
Clare Hall
Anthony Low Building
El Sub Sta
+ 10.0m
1 to 15
9 to 21
50
49
48
47
King's College School
Stand
L Twr
Terraces
Pavilion
University Rugby Ground
HERSCHEL ROAD
GRANGE RD
30
20
TOUCH RIDER
BUS LANE ENFORCED
HEAVY ONLY EXCEPT BUSES

Intervisibility not achieved due to close-boarded fencing located at the boundary of the proposed PTR/Existing Public Highway and private land.

Bus Lane Enforcement ANPR 2 way camera

MVD detection

MVD detection

Existing footway width to remain unchanged

Proposed Maintanance bay and controller

3.2m crossing due to site constraints

MVD detection

DRAFT

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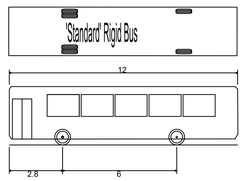
P01	11/11/2022	JS	FIRST ISSUE	BN	JW

Vehicles used for the swept path



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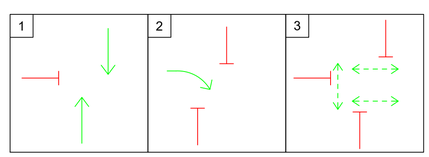

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wsp.com

CLIENT: GREATER CAMBRIDGE PARTNERSHIP

ARCHITECT:

SITE/PROJECT: C2C TWAO STAGE

TITLE: SIDE ROAD JUNCTION Grange Road

SCALE @ A1:	CHECKED:	APPROVED:
1:500	BN	JW

PROJECT NO:	DESIGNED:	DRAWN:	DATE:
70086660	JS	VR	November 22

DRAWING No: 70086660-WSP-HSR-XX-DR-HW-000005 REV: P01

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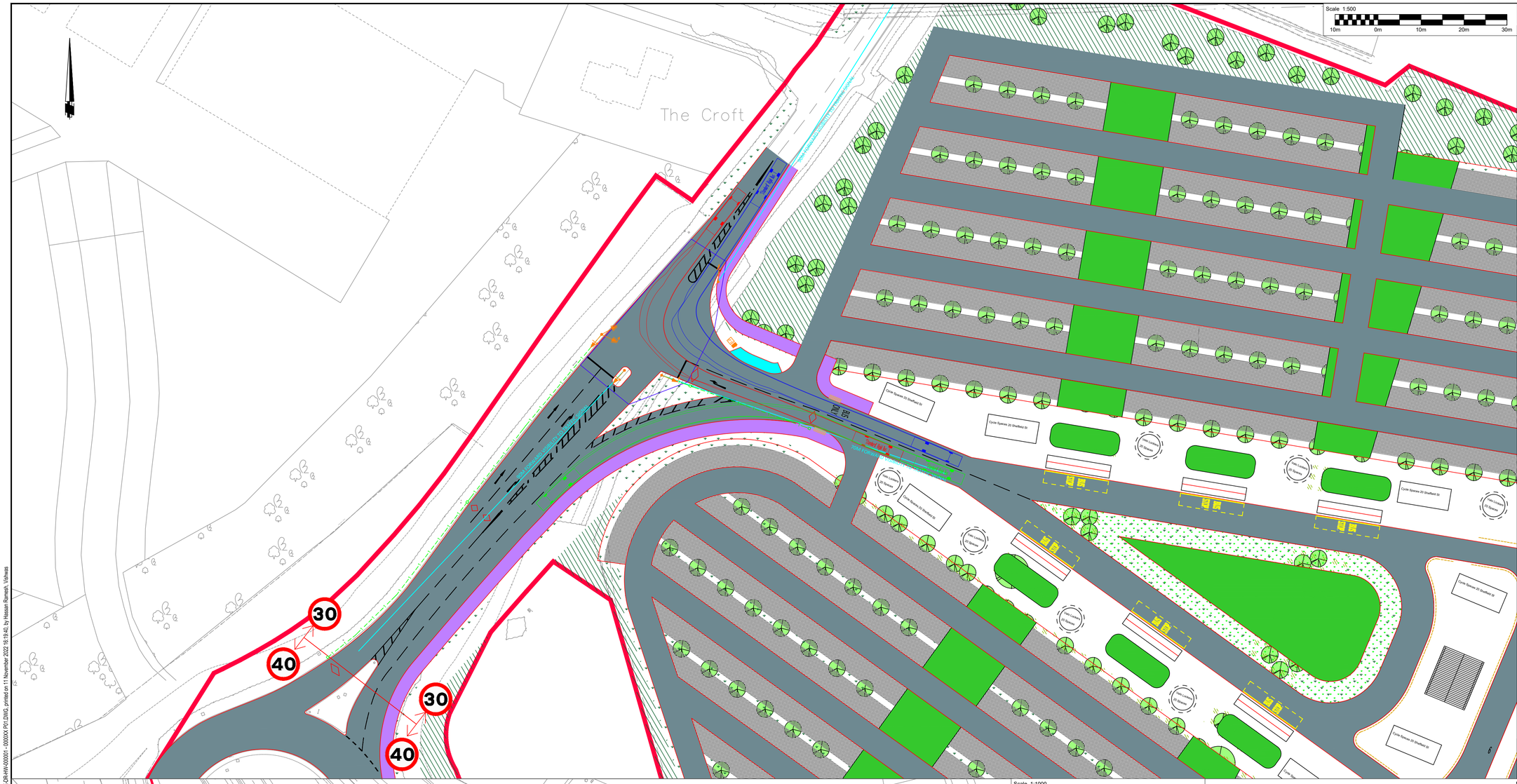

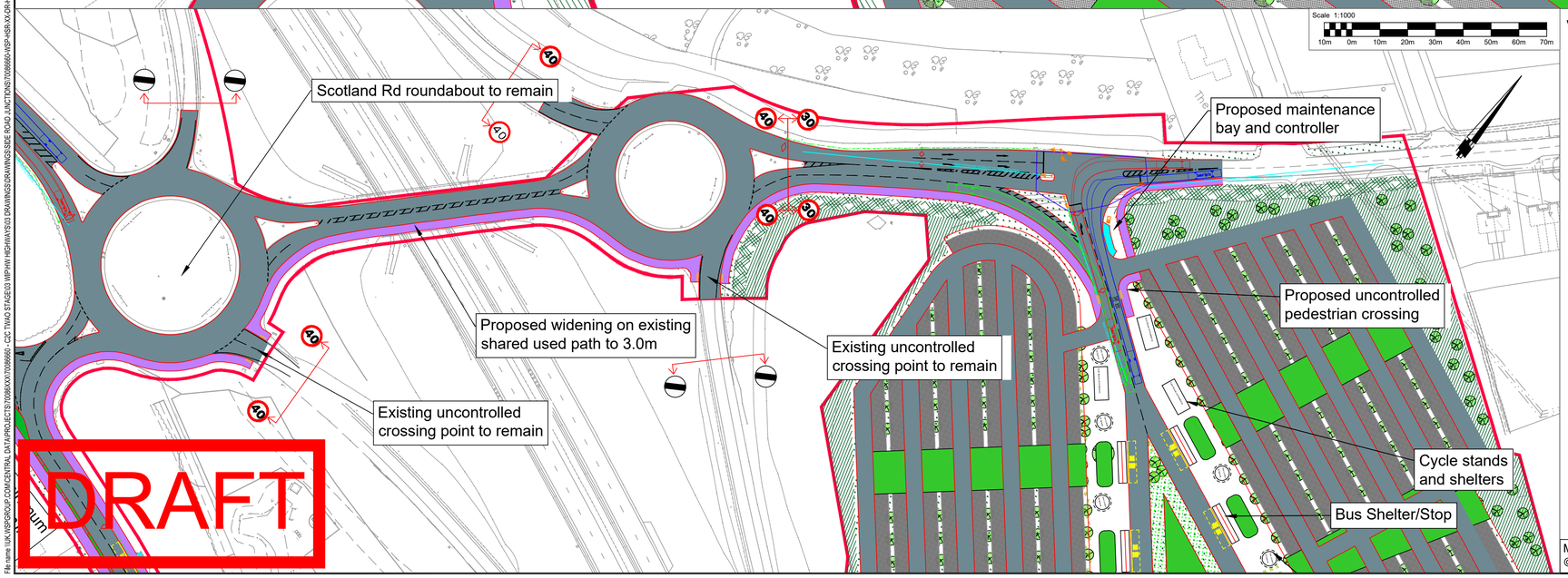

DO NOT SCALE

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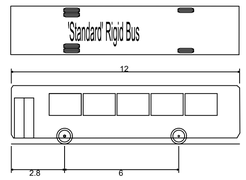
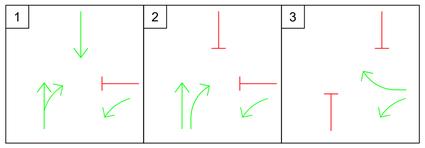
- Native Woodland Planting

REV	DATE	BY	DESCRIPTION	CHK	APP
P01	11/11/2022	JS	FIRST ISSUE	PN	JW

Vehicles used for the swept path



'Standard' Rigid Bus	
Overall Length	12.000m
Overall Width	2.550m
Overall Body Height	3.069m
Min Body Ground Clearance	0.309m
Track Width	2.350m
Lock to lock time	4.00s
Wall to Wall Turning Radius	10.771m



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DRAWING STATUS: S2 - FOR INFORMATION

wsp
62-64 Hills Road, Cambridge, CB2 1LA, UK
T+ 44 (0) 1223 558 050, F+ 44 (0) 1223 558 051
wsp.com

CLIENT: GREATER CAMBRIDGE PARTNERSHIP

ARCHITECT:

SITE/PROJECT: C2C TWAO STAGE

TITLE: SIDE ROAD JUNCTION
Scotland Road

SCALE @ A1:	CHECKED:	APPROVED:
1:500	BN	JW

PROJECT NO:	DESIGNED:	DRAWN:	DATE:
70086660	JS	VR	November 22

DRAWING No: 70086660-WSP-HSR-XX-DR-HW-000006 REV: P01

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DO NOT SCALE

Scale 1:500
10m 0m 10m 20m 30m

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REV	DATE	BY	DESCRIPTION	CHK	APP
P01	11/11/2022	JS	FIRST ISSUE	(N)	JW

CAMBRIDGE RD

Scale 1:1000
10m 0m 10m 20m 30m 40m 50m 60m 70m

Proposed public transport stops subject to further development

Coton Orchard

Existing give way line and marking to be removed

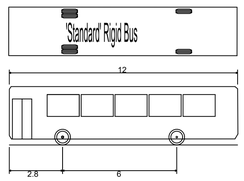
Bus Lane Enforcement ANPR 2 way camera

Proposed Maintanance bay and controller

Existing speed limit 30mph

DRAFT

Vehicles used for the swept path



'Standard' Rigid Bus	
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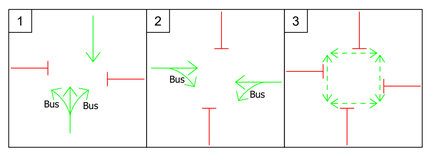
Wall to Wall Turning Radius	10.771m



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DRAWING STATUS: S2 - FOR INFORMATION

wsp
62-64 Hills Road, Cambridge, CB2 1LA, UK
T+ 44 (0) 1223 558 050, F+ 44 (0) 1223 558 051
wsp.com

CLIENT: GREATER CAMBRIDGE PARTNERSHIP

ARCHITECT:

SITE/PROJECT: C2C TWAO STAGE

TITLE: SIDE ROAD JUNCTION
Cambridge Road

SCALE @ A1:	CHECKED:		APPROVED:
1:500	BN		JW
PROJECT NO:	DESIGNED:	DRAWN:	DATE:
70086660	JS	VR	November 22

DRAWING No: 70086660-WSP-HSR-XX-DR-HW-000007 REV: P01

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Scotland Rd roundabout to remain

Proposed widening on existing shared used path to 3.0m

Right turn lane for PTR

Existing uncontrolled crossing point to remain

Existing departure from standard on forward visibility

Proposed carriageway widening to accommodate public transport vehicle movements. Existing trees to be removed

Proposed crossing point 4m wide

Existing footway to remain with no separation between the carriageway and the closest edge of the ATP. Absolute minimum from CD195 0.5m.

Proposed shared use path crosses Old St Neots Rd rejoining St Neots Rd on the eastern side of the Scotland Rd roundabout

100m SSD provided. Desirable minimum from CD109 120m (1-step below 90m). From TSM recomended SSD 80m.

All access to private driveways to be maintained. Existing lay-by's on the south of St Neots Road removed to facilitate walking and cycling improvements

Proposed crossing point 4m wide

REFER TO VIEWPORT B FOR CONTINUATION

REFER TO VIEWPORT A FOR CONTINUATION

Proposed crossing point 4m wide

Proposed shared use path (Active Travel Route) with 3 meters wide and 1 meter separation from carriageway

All access to private driveways to be maintained. Existing lay-by's on the south of St Neots Road removed to facilitate walking and cycling improvements

Proposed crossing point 4m wide

REFER TO DRAWING 70086660-WSP-HSR-XX-DR-HW-000009

DRAFT

Scale 1:1000
10m 0m 10m 20m 30m 40m 50m 60m 70m

DO NOT SCALE

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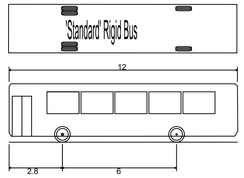
Vehicles used for the swept path



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Min Body Ground Clearance	0.309m
Track Width	2.350m
Lock to lock time	4.00s
Wall to Wall Turning Radius	10.771m

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P01	11/11/2022	JS	FIRST ISSUE	PN	JW

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CLIENT: GREATER CAMBRIDGE PARTNERSHIP

ARCHITECT:

SITE/PROJECT: C2C TWAO STAGE

TITLE: SIDE ROAD JUNCTION
HW St Neots Rd (1/2)

SCALE @ A1:	CHECKED:	APPROVED:
1:1000	BN	JW

PROJECT NO:	DESIGNED:	DRAWN:	DATE:
70086660	JS	VR	November 22

DRAWING No: 70086660-WSP-HSR-XX-DR-HW-000008 REV: P01

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Proposed crossing point 4m wide

REFER TO DRAWING 70086660-WSP-HSR-XX-DR-HW-000008

CAMBRIDGE RD

64.4m

A428

Proposed shared use path (Active Travel Route) with 3 meters wide and 1 meter separation from carriageway

All access to private driveways to be maintained. Existing lay-by's on the south of St Neots Road removed to facilitate walking and cycling improvements

REFER TO VIEWPORT B FOR CONTINUATION

Scale 1:1000

10m 0m 10m 20m 30m 40m 50m 60m 70m

REFER TO VIEWPORT A FOR CONTINUATION

Tie Into St Neots Road

120m Junction visibility

Indicative turning head arrangement for general traffic

Bus Lane Enforcement ANPR 2 way camera

Bus Gate - Guided Buses only beyond this point

Pond

Silo

Drain

1.22m RH

DRAFT

'Standard' Rigid Bus

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Lock to lock time	4.00s
Wall to Wall Turning Radius	10.771m

Max Legal Length (UK) Articulated Vehicle (16.5m)

Overall Length	16.500m
Overall Width	2.550m
Overall Body Height	3.681m
Min Body Ground Clearance	0.411m
Max Track Width	2.500m
Lock to lock time	6.00s
Kerb to Kerb Turning Radius	6.530m

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ARCHITECT:

SITE/PROJECT: C2C TWAO STAGE

TITLE: SIDE ROAD JUNCTION

HW St Neots Rd (2/2)

SCALE @ A1:	CHECKED:	APPROVED:
1:1000	BN	JW

PROJECT NO:	DESIGNED:	DRAWN:	DATE:
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DRAWING No: 70086660-WSP-HSR-XX-DR-HW-000009 REV: P01

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