



South West Milton Keynes Consortium

SOUTH WEST MILTON KEYNES

Consolidated Drawing Package

PINS ref: APP/Y0435/W/20/3252528

LPA ref: 15/00619/FUL





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SOUTH WEST MILTON KEYNES

Consolidated Drawing Package

PINS ref: APP/Y0435/W/20/3252528

LPA ref: 15/00619/FUL

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DATE: MAY 2021

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QUALITY CONTROL

| Issue/revision | First issue | Final issue |
|-----------------------|--|--|
| Remarks | Initial issue | Final issue |
| Date | May 2021 | May 2021 |
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| Signature | | |
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| Signature | | |
| Authorised by | Martin Paddle | Martin Paddle |
| Signature | | |
| Project number | 70069442 | 70069442 |
| Report number | - | - |
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1

WHADDON ROAD ACCESS PROPOSALS





Manual for Streets 2

85th Percentile Speed = 51.9mph

Sight Stopping Distance = 159m

(calculated as per Manual for Streets 2 Sections 10.1 and 10.2)

$$SSD = vt + \frac{v^2}{2} (d+0.1a)$$

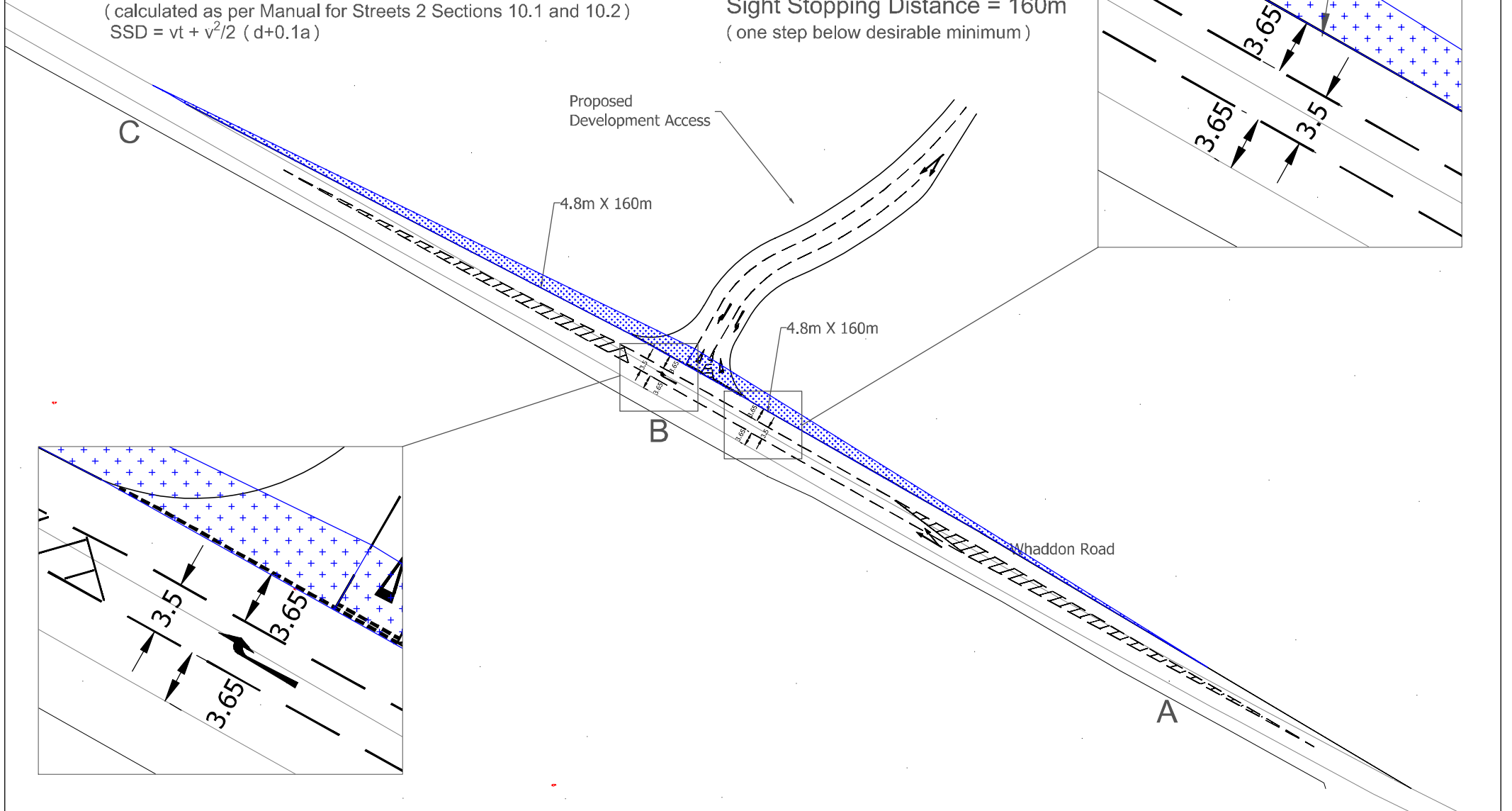
DMRB TD 9/93

Speed Limit = 60mph

Design Speed = 100A

Sight Stopping Distance = 160m

(one step below desirable minimum)



| | | | | | | | | | | | | | |
|---|--|--|--|---|-------|------------|-------|--|------------|-----------|--------------------|----------|---------------------------|
| At original drawing size (A3) this line measures 50mm | | | | Cad Ref. No. L:\106xxx\1067760 South West Milton Keynes\12 Dwgs | | | | Drawn | Date | Checked | Date | Approved | Date |
| | | | | Project | | | | CEW | 11-12-2015 | SH | 17-12-15 | MP | 17-12-15 |
| Notes <small>Contains DS data © Crown copyright (and database right) (2017)</small> | | | | SOUTH WEST MILTON KEYNES | | | | | | | Scale 1:1000@A3 | | |
| | | | | Title | | | | | | | Job No. 1067760 | | |
| D AMENDED THROUGH LANE WIDTHS C AMENDED RIGHT TURN LANE B AMENDED ACCESS A AMENDED LANE WIDTHS | | | | EC | SH | 20/03/2016 | MP | Export House Woking, Surrey, GU21 6QX Tel: +44 (0)1483 731000 Fax: +44 (0)1483 731010 | | | | | |
| | | | | CEW | SH | 04/08/2016 | MP | | | | | | Client SWMK Consortium |
| PRELIMINARY FOR APPROVAL | | | | CEW | SH | 03/06/2016 | MP | Drawing No. D014 | | Rev. D | | | |
| Rev. Amendment | | | | CEW | SH | 24/03/2016 | MP | | | | | | |
| | | | | By | Chkd. | Date | Appd. | | | | | | |



Manual for Streets 2

85th Percentile Speed = 51.9mph

Sight Stopping Distance = 159m

(calculated as per Manual for Streets 2 Sections 10.1 and 10.2)

$$SSD = vt + \frac{v^2}{2} (d+0.1a)$$

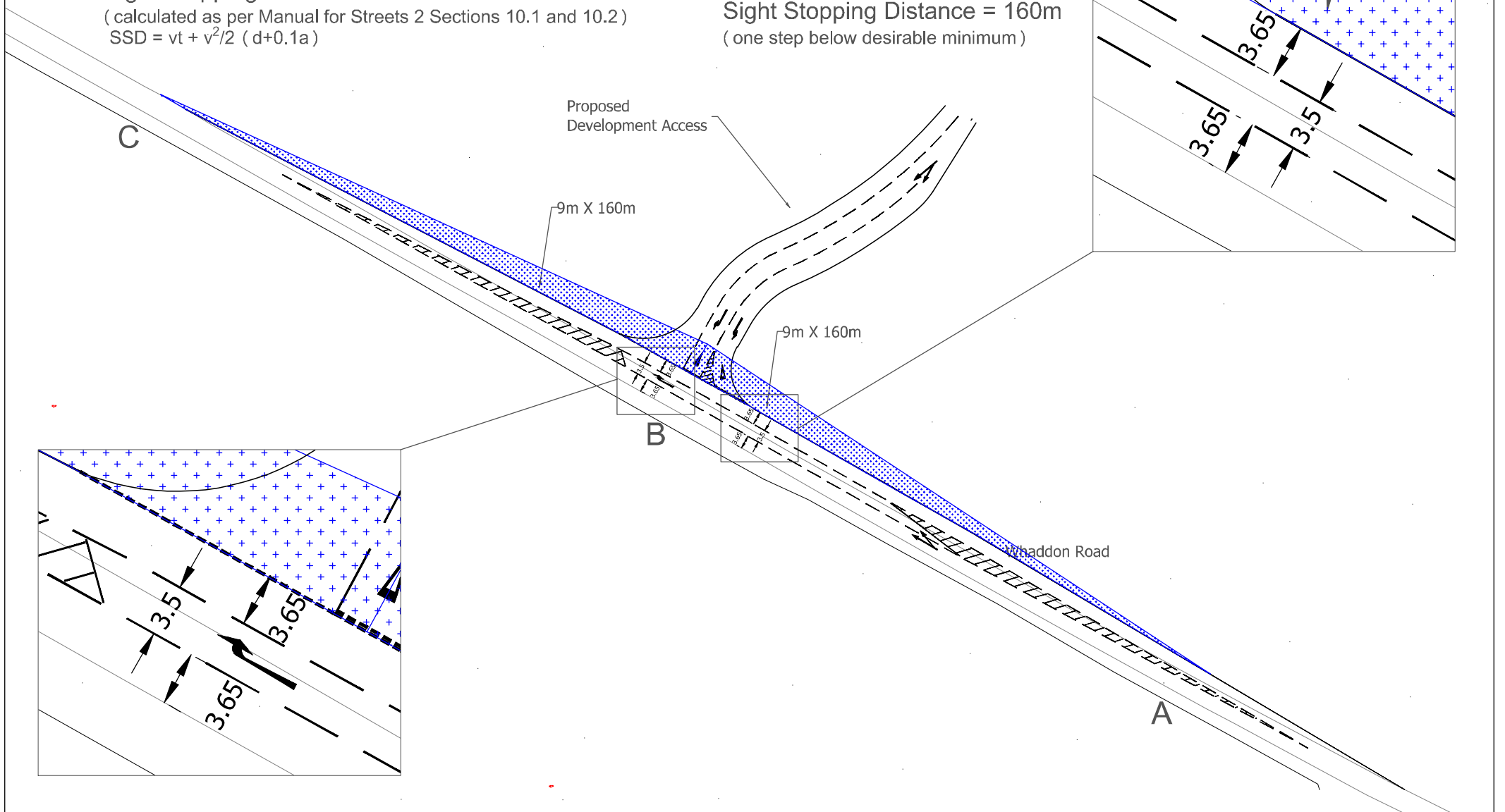
DMRB TD 9/93

Speed Limit = 60mph

Design Speed = 100A

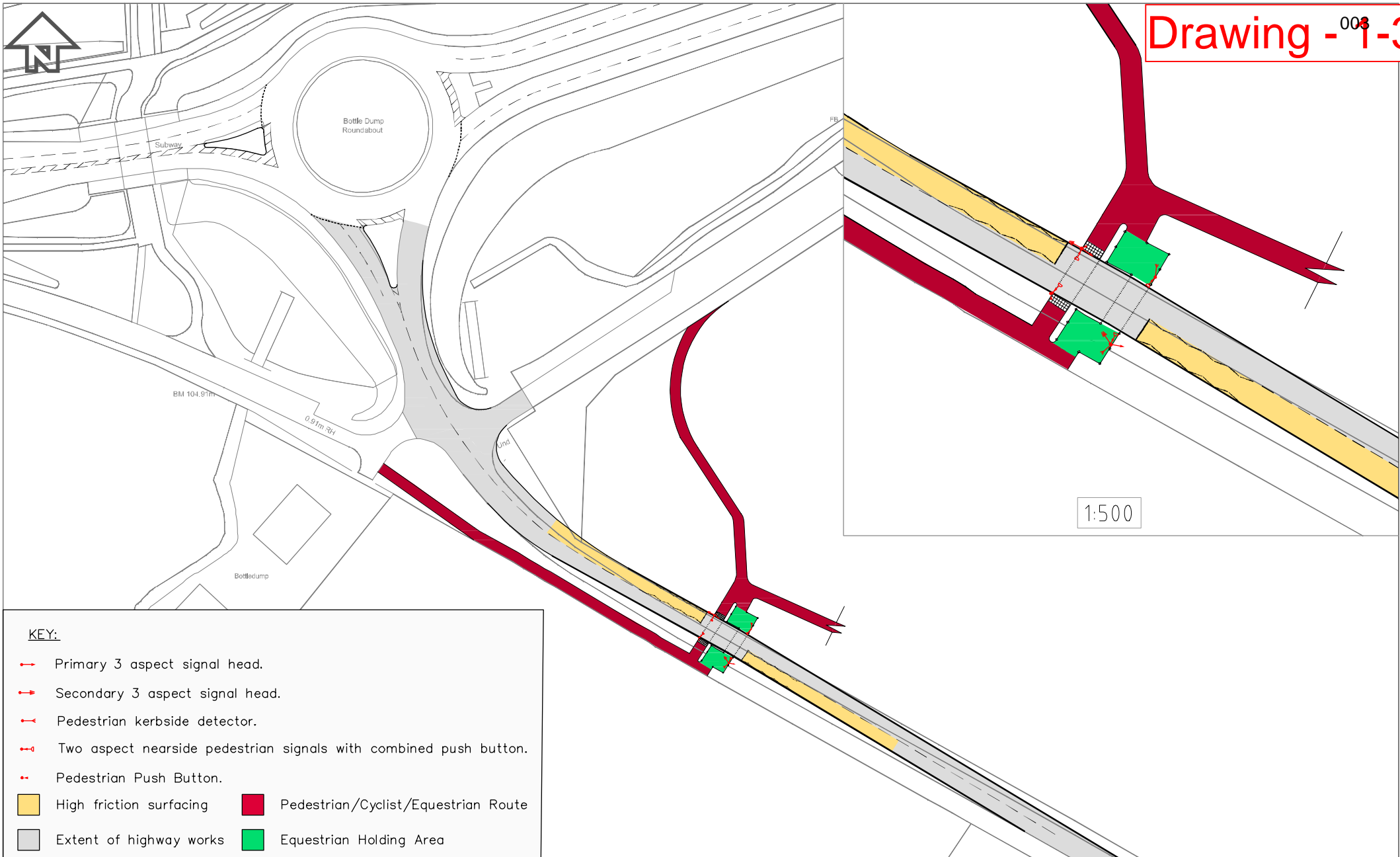
Sight Stopping Distance = 160m

(one step below desirable minimum)



| | | | | | | | | | | | |
|---|-----------|---|-----------------------------------|-------------------------------|----------------------|---------------------------|--------------------|----------------------------------|------------------|----------------------------|------------------|
| At original drawing size (A3) this line measures 50mm | | Cad Ref. No. L:\106xxx\1067760 South West Milton Keynes\12 Dwgs | | | | Drawn CEW | Date 11-12-2015 | Checked SH | Date 17-12-15 | Approved MP | Date 17-12-15 |
| Project SOUTH WEST MILTON KEYNES | | | | | | | | Scale 1:1000@A3 | | Job No. 1067760 | |
| Title WHADDON ROAD PROPOSED ACCESS | | | | | | | | Client SWMK Consortium | | Drawing No. D014 | |
| Notes Contains DS data © Crown copyright (and database right) (2017) | | E AMENDED MINOR ROAD WIDTHS | EC AMENDED THROUGH LANE WIDTHS | SH AMENDED RIGHT TURN LANE | MP AMENDED ACCESS | SH AMENDED LANE WIDTHS | | | | | |
| Rev. | Amendment | By | Chkd. | Date | Appd. | | | | | | |

PRELIMINARY FOR APPROVAL



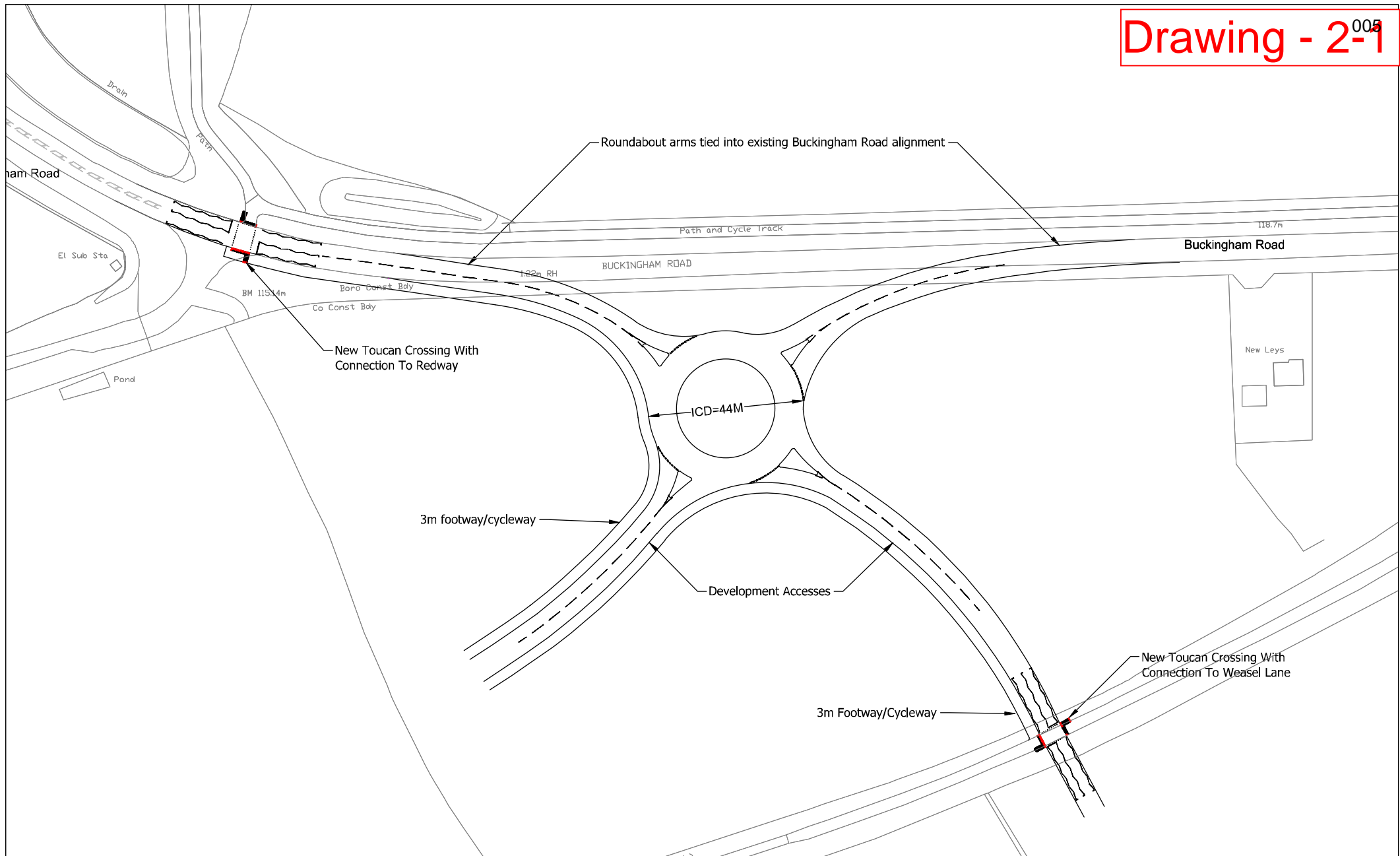
- KEY:**
- Primary 3 aspect signal head.
 - Secondary 3 aspect signal head.
 - Pedestrian kerbside detector.
 - Two aspect nearside pedestrian signals with combined push button.
 - Pedestrian Push Button.
 - High friction surfacing
 - Pedestrian/Cyclist/Equestrian Route
 - Extent of highway works
 - Equestrian Holding Area

| | | | | | | | | | | | |
|--|--|---|-----------|----|--------|--------------|--------------------|--|--------------------|---------------------|--------------------|
| At original drawing size (A3) this line measures 50mm | | Cad Ref. No. L:106xxx1067760 South West Milton Keynes\12 Dwgs | | | | Drawn CEW | Date 11-12-2015 | Checked SH | Date 18-12-2015 | Approved MP | Date 18-12-2015 |
| Notes Contains OS data © Crown copyright [and database right] (2015) | | Project SOUTH WEST MILTON KEYNES | | | | | | Scale 1:1000@A3 | | Job No. 1067760 | |
| D Minor Amendments C Existing Roundabout Markings B Minor Amendments A Relocated Crossing | | SH MP 29/07/16 MP CEW MP SH 05/04/16 MP CEW SH 18/12 CEW MP 15/12 MP | | | | | | Client SWMK Consortium | | Drawing No. D015 | |
| PRELIMINARY FOR APPROVAL | | Rev. | Amendment | By | Chkcd. | Date | Appd. | Export House Woking, Surrey, GU21 6QX Tel: +44 (0)1483 731000 Fax: +44 (0)1483 731010 | | Rev. D | |

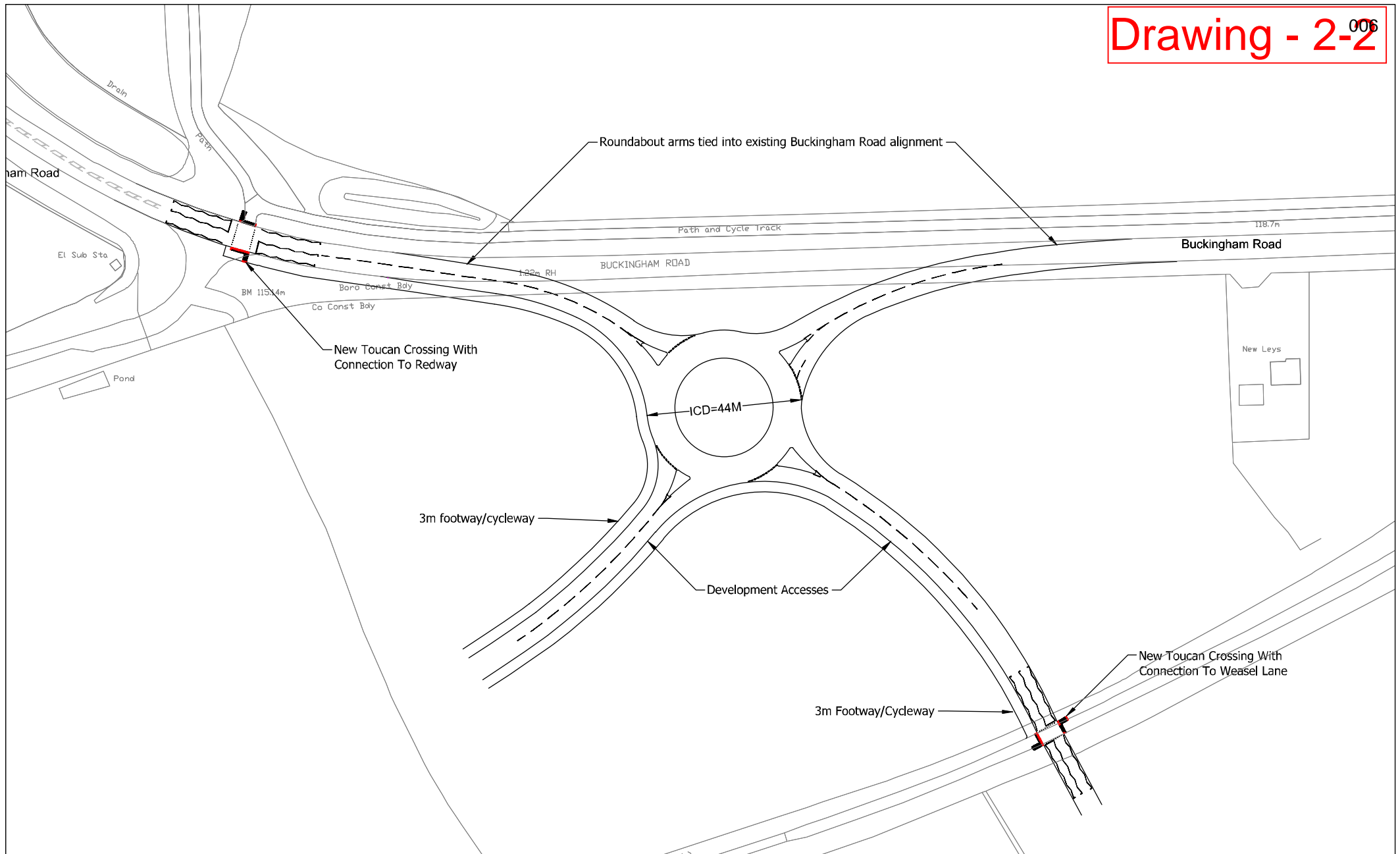
2

BUCKINGHAM ROAD ACCESS PROPOSALS



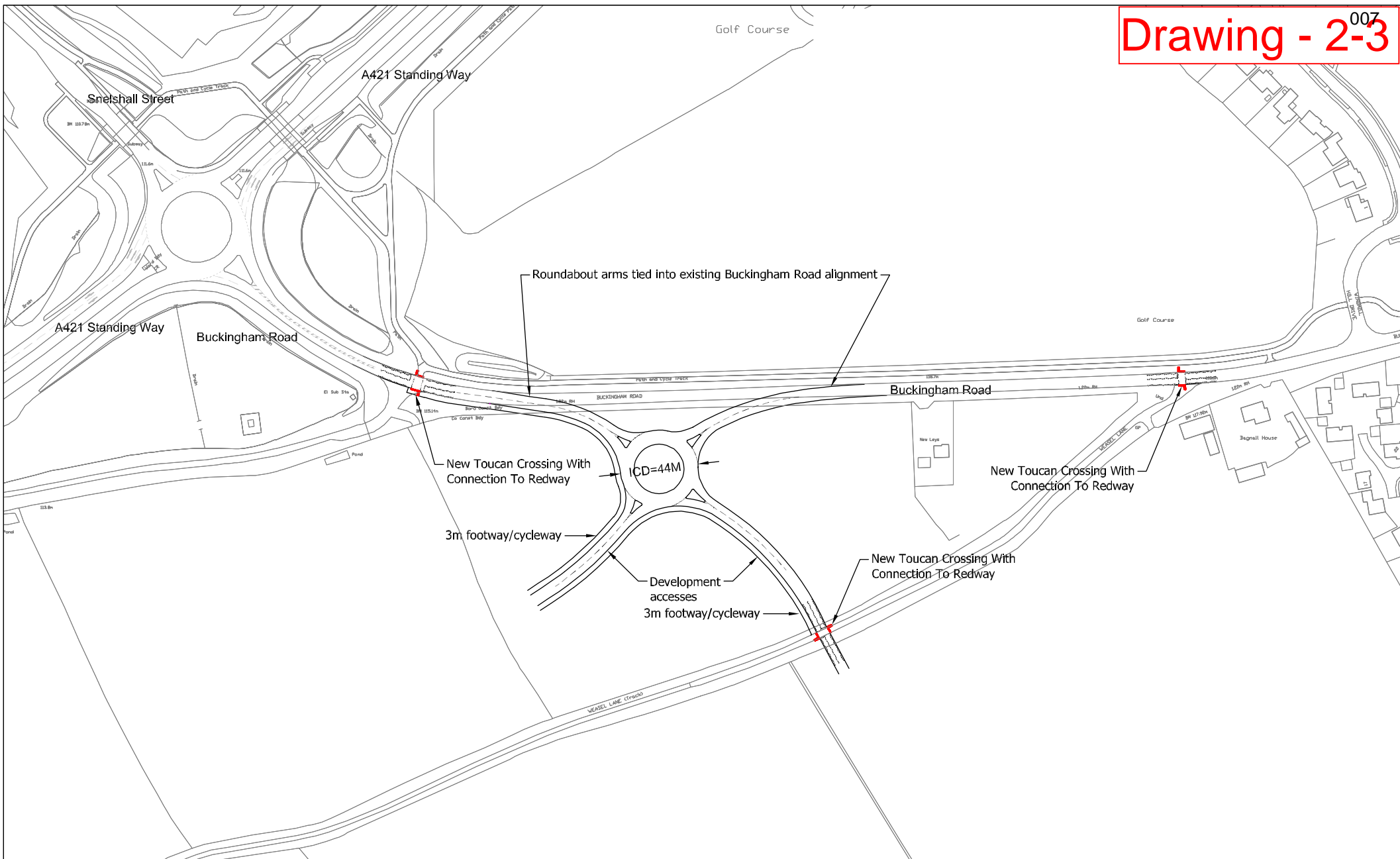


| | | | | | | | | | | | |
|---|---|---|-------|----------|-------|--|-----------------|----------------------------------|---------------|----------------------------|---------------|
| At original drawing size (A3) this line measures 50mm | | Cad Ref. No. L:\106xxx\1067760 South West Milton Keynes\12 Dwgs | | | | Drawn RJP | Date 14-12-2015 | Checked SH | Date 18-12-15 | Approved MJP | Date 18-12-15 |
| Notes Contains OS data © Crown copyright [and database right] (2017) | | Project SOUTH WEST MILTON KEYNES | | | | Export House Woking, Surrey. GU21 6QX Tel: +44 (0)1483 731000 Fax: +44 (0)1483 731010 | | Scale 1:1000@A3 | | Job No. 1067760 | |
| | | Title ALTERNATIVE JUNCTION ARRANGEMENT FOR PROPOSED ACCESS ON BUCKINGHAM ROAD | | | | | | Client SWMK Consortium | | Drawing No. D017 | |
| Rev. | Amendment | By | Chkd. | Date | Appd. | | | | | | |
| C | Extended flare length on Buckingham Road East | EC | SH | 20-03-17 | MP | | | | | | |
| B | Minor Amendments | SH | SH | 04-08-16 | MP | | | | | | |
| A | Amended Location and Alignment of Roundabout | CEW | SH | 03-06-16 | MP | | | | | | |



| | | | | | | | | | | | |
|---|--|---|--|-----------|--|--------------------|-----------------|--|---------------|---------------------------|---------------|
| At original drawing size (A3) this line measures 50mm | | Cad Ref. No. L:\106xxx\1067760 South West Milton Keynes\12 Dwgs | | | | Drawn RJP | Date 14-12-2015 | Checked SH | Date 18-12-15 | Approved MJP | Date 18-12-15 |
| Notes Contains OS data © Crown copyright [and database right] (2017) | | Project SOUTH WEST MILTON KEYNES | | | | mouchel | | Scale 1:1000@A3 | | Job No. 1067760 | |
| | | Title ALTERNATIVE JUNCTION ARRANGEMENT FOR PROPOSED ACCESS ON BUCKINGHAM ROAD | | | | | | Export House Woking, Surrey. GU21 6QX Tel: +44 (0)1483 731000 Fax: +44 (0)1483 731010 | | Client SWMK Consortium | |
| PRELIMINARY FOR APPROVAL | | Rev. | | Amendment | | By | | Chkd. | | Date | |
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Drawing - 2-3 007



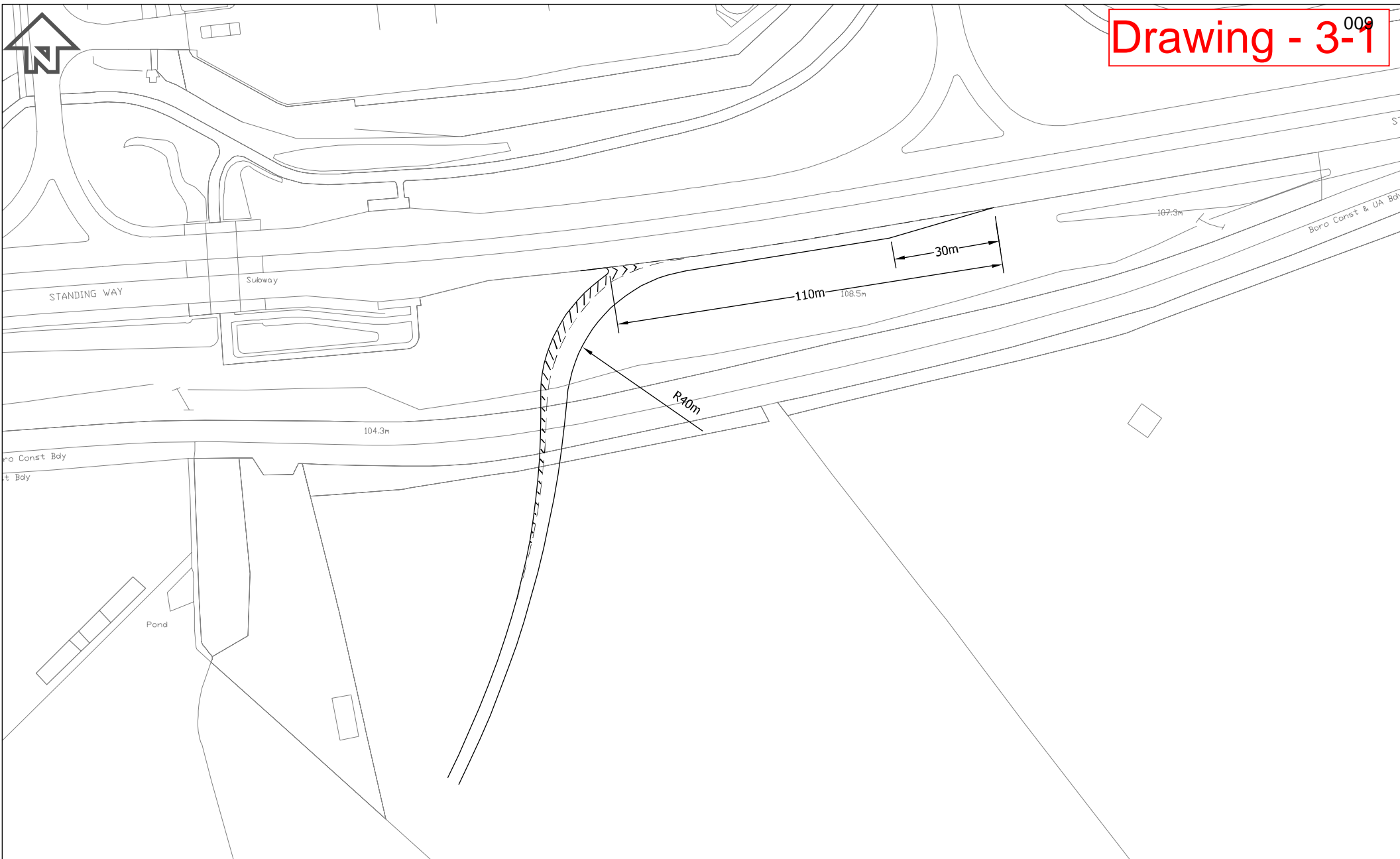
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|---|--|-----------|----------|----------------------|----------|--|-----------|------------------------|------------|-----------------|--------------|---------------|
| At original drawing size (A3) this line measures 50mm | | | | | | Cad Ref. No. L:\106xxx\1067760 South West Milton Keynes\12 Dwgs | Drawn RJP | Date 14-12-2015 | Checked SH | Date 18-12-15 | Approved MJP | Date 18-12-15 |
| Notes Contains OS data © Crown copyright [and database right] (2015) | | | | | | Project SOUTH WEST MILTON KEYNES | | mouchel | | Scale 1:2000@A3 | | |
| | | | | | | Title ALTERNATIVE JUNCTION ARRANGEMENT FOR PROPOSED ACCESS ON BUCKINGHAM ROAD | | | | Job No. 1067760 | | |
| B A | Minor Amendments Amended Location and Alignment of Roundabout | SH CEW | SH SH | 04-08-16 03-06-16 | MP MP | Expert House Woking, Surrey, GU21 6QX Tel: +44 (0)1483 731000 Fax: +44 (0)1483 731010 | | Client SWMK Consortium | | | | |
| Rev. | Amendment | By | Chkd. | Date | Appd. | | | Drawing No. D016 | | Rev. B | | |

PRELIMINARY FOR APPROVAL
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3

A421 ACCESS PROPOSALS





| | | | | | | | | | |
|---|--|---|------------------------|-----------|-----------------|------------------------|---------------|------------------|---------------|
| At original drawing size (A3) this line measures 50mm | | Cad Ref. No. L:\106xxx\1067760 South West Milton Keynes\12 Dwgs | | Drawn CEW | Date 02-11-2015 | Checked SH | Date 08-12-15 | Approved MP | Date 17-12-15 |
| Notes | | Project SOUTH WEST MILTON KEYNES | | | | Scale 1:1000@A3 | | Job No. 1067760 | |
| Contains OS data ©Crown copyright (and database right) (2015) | | Title A421 PROPOSED ACCESS ACCESS ONLY JUNCTION | | | | Client SWMK Consortium | | Drawing No. D013 | |
| JUNCTION ARRANGEMENT TO DIMENSIONS AS REQUIRED BY DMRB TD 42/95 | | A | Amended diverge length | SH | SH | 17-12-15 | MJP | | |
| PRELIMINARY FOR APPROVAL | | Rev. | Amendment | By | Chkd. | Date | Appd. | | |

Drawing - 3-2

DO NOT SCALE 010

- NOTES**
1. ALL MEASUREMENTS IN METRES UNLESS OTHERWISE STATED.
 2. THIS DESIGN IS PRELIMINARY AND THIS DRAWING IS NOT SUITABLE FOR CONSTRUCTION.

KEY

- Highway Boundary

| | | | | | |
|-----|------------|----|-------------|-----|-----|
| PO1 | 15/09/2020 | SB | FIRST ISSUE | NR | JS |
| REV | DATE | BY | DESCRIPTION | CHK | APP |

DRAWING STATUS: S2 - FOR INFORMATION



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 wsp.com

CLIENT: South West Milton Keynes Consortium

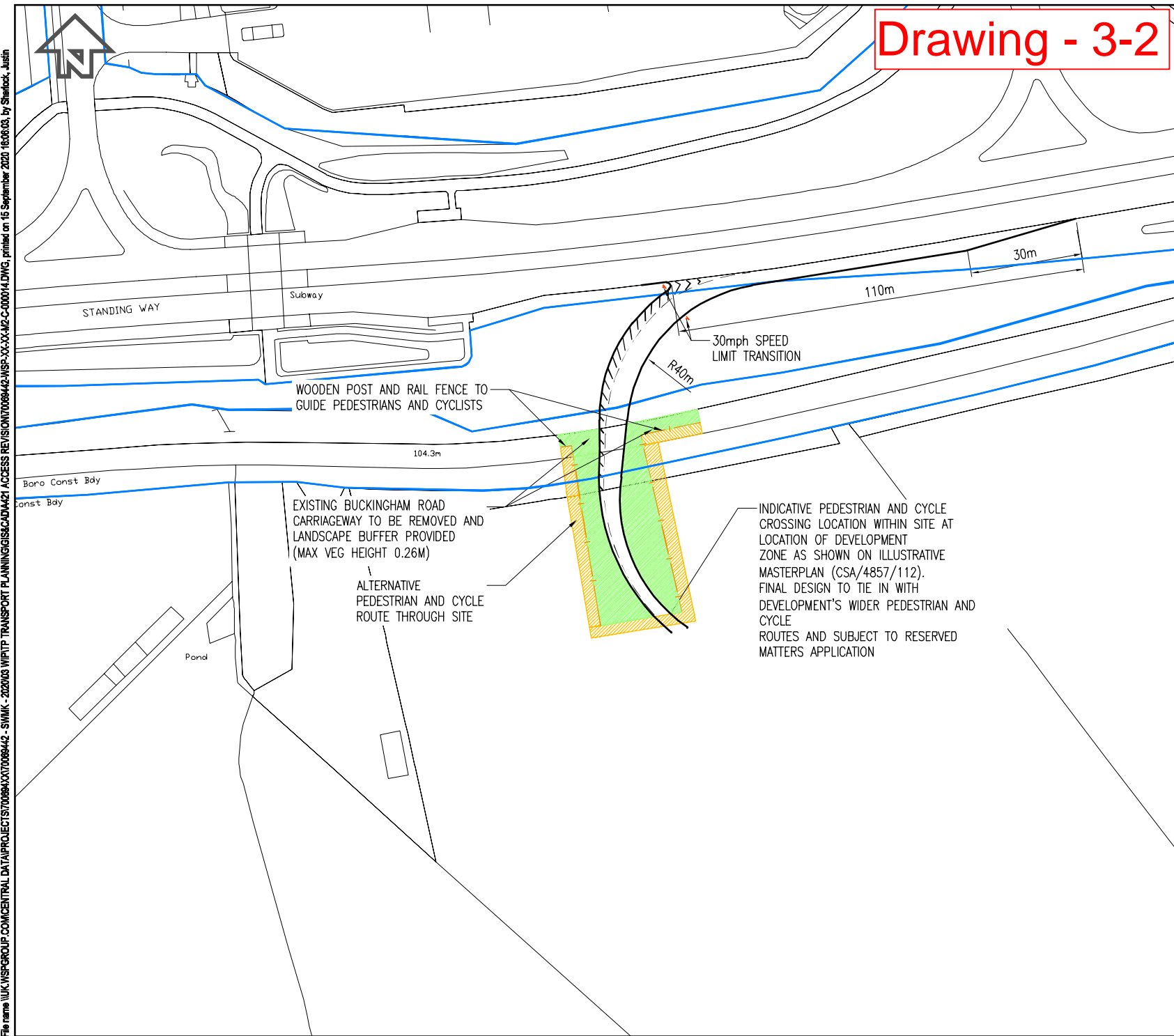
ARCHITECT: CSA

PROJECT: South West Milton Keynes

TITLE: A421 Access Proposals

| | | |
|---|---------------------------|---------------------|
| SCALE @ A1: NTS | CHECKED: NR | APPROVED: JS |
| PROJECT No: 70069442 | DESIGNED: SB | DRAWN: SB |
| DRAWING No: 70069442-WSP-XX-XX-M2-C-000014 | DATE: September 20 | |
| | REV: P01 | |

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File name \\UK.WSPGROUP\COMMON\CENTRAL DATA\PROJECTS\70069442 - SWMK - 202003 WPMTP TRANSPORT PLANNING\GIS\CAD\A421 ACCESS REVISION\008442-WSP-XX-XX-M2-C-000014.DWG, printed on 15 September 2020 16:06:03, by Smeacock, Justin

4

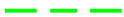




JUNCTION 1 - BUCKINGHAM ROAD/SHERWOOD DRIVE MITIGATION PROPOSALS

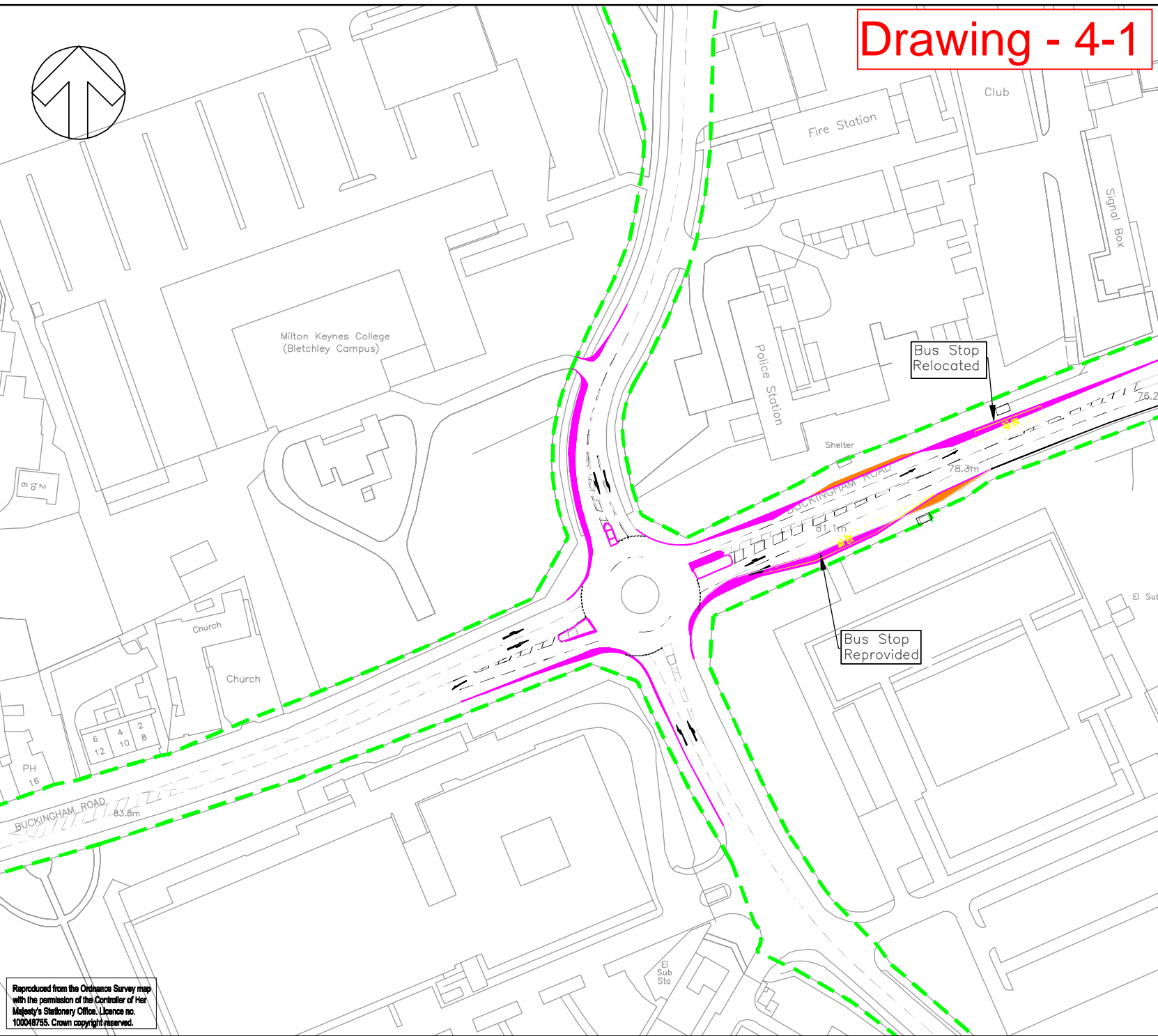


Drawing - 4-1

DO NOT SCALE 012

KEY

-  Highway Boundary
-  Kerb Amendments
-  Carriageway Construction
-  Footway Construction
-  Verge Construction



| REV | DATE | BY | DESCRIPTION | CHK | APP |
|-----|------------|----|----------------|-----|-----|
| P04 | 25/01/2021 | JS | REFINED LAYOUT | JS | JSP |
| P03 | 22/01/2021 | JS | REFINED LAYOUT | JS | JSP |
| P02 | 19/01/2021 | JS | NEW LAYOUT | JS | JSP |

DRAWING STATUS: S2 - FOR INFORMATION



2 London Square, Cross Lanes, Guildford, GU1 1UN, UK
T+ 44 (0) 1483 528 400
wsp.com

CLIENT: South West Milton Keynes Consortium

ARCHITECT:

PROJECT: South West Milton Keynes

TITLE: Junction 1 Mitigation Buckingham Road/Sherwood Drive Roundabout Layout

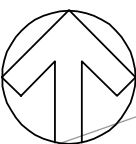
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|------------------------------|-----------------|-----------------|
| SCALE @ A1: 1:1000 | CHECKED: JS | APPROVED: JS |
| PROJECT No: 70069442 | DESIGNED: JS | DRAWN: SET |
| DRAWING No: 70069442-001B | | REV: P04 |
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File name: LUK\WSP\GROUP\COM\CENTRAL DATA\PROJECTS\70069442\0069442 - SWMK - 202003 WPTP TRANSPORT PLANNING\ANALYSIS\2021 JUNCTION MITIGATION\J1\1 - SHERWOOD DRIVE RBT MITIGATION P04.DWG, printed on 27 January 2021 16:07:06, by Sherlock, Justin

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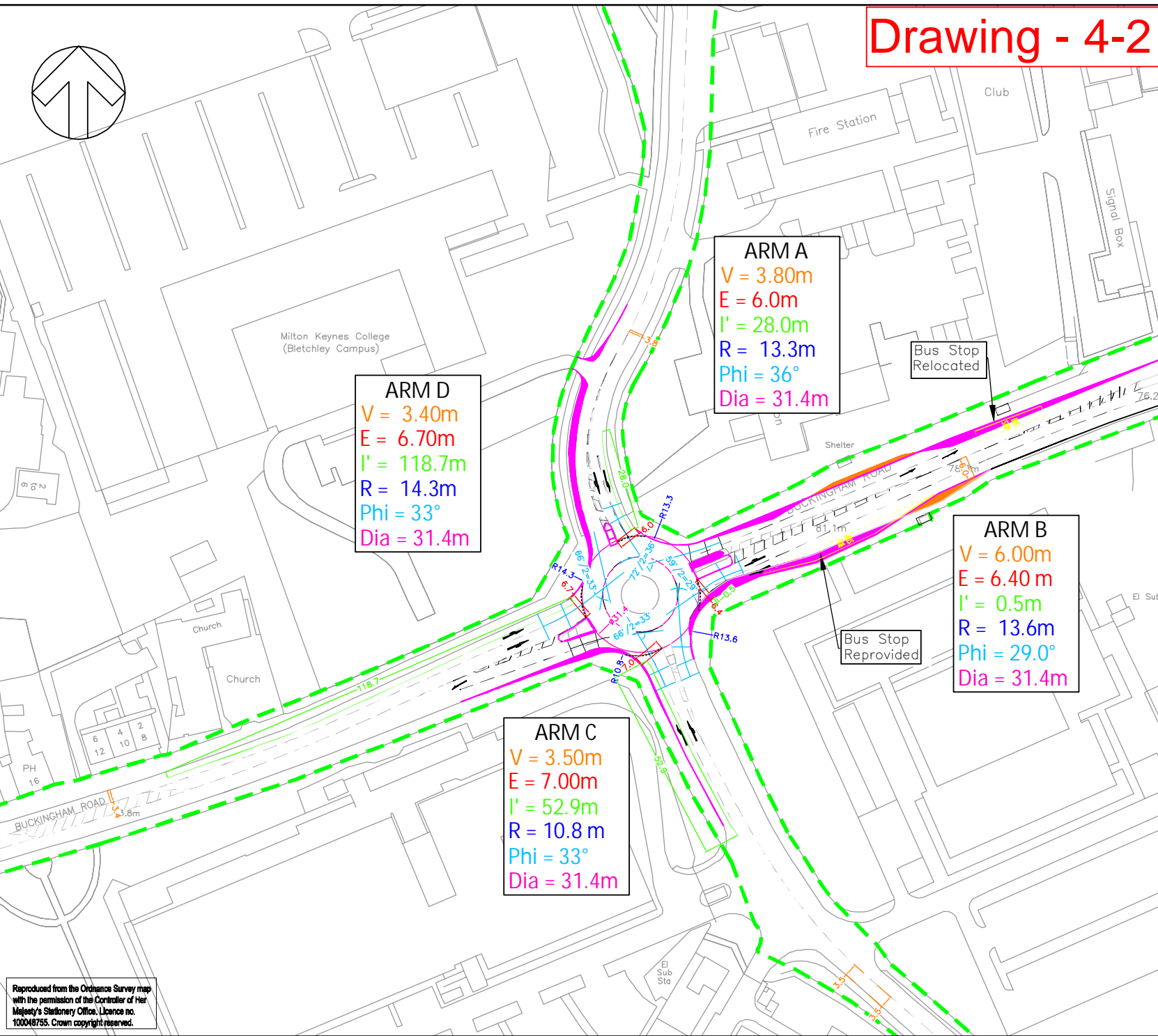
Drawing - 4-2

DO NOT SCALE 013



KEY

- Highway Boundary
- Kerb Amendments
- Carriageway Construction
- Footway Construction
- Verge Construction



ARM A
 V = 3.80m
 E = 6.0m
 l' = 28.0m
 R = 13.3m
 Phi = 36°
 Dia = 31.4m

ARM D
 V = 3.40m
 E = 6.70m
 l' = 118.7m
 R = 14.3m
 Phi = 33°
 Dia = 31.4m

ARM B
 V = 6.00m
 E = 6.40m
 l' = 0.5m
 R = 13.6m
 Phi = 29.0°
 Dia = 31.4m

ARM C
 V = 3.50m
 E = 7.00m
 l' = 52.9m
 R = 10.8m
 Phi = 33°
 Dia = 31.4m

| REV | DATE | BY | DESCRIPTION | CHK | APP |
|-----|------------|----|---------------------|-----|-----|
| P02 | 23/03/2021 | JS | UPDATED ANNOTATIONS | JS | JS |
| P01 | 25/02/2021 | JS | INITIAL LAYOUT | JS | JS |

DRAWING STATUS: S2 - FOR INFORMATION

2 London Square, Cross Lanes, Guildford, GU1 1UN, UK
 T+ 44 (0) 1483 528 400
 wsp.com

CLIENT: South West Milton Keynes Consortium

ARCHITECT:

PROJECT: South West Milton Keynes

TITLE: Junction 1 Mitigation Buckingham Road/Sherwood Drive Roundabout Layout - Modelling Dimensions

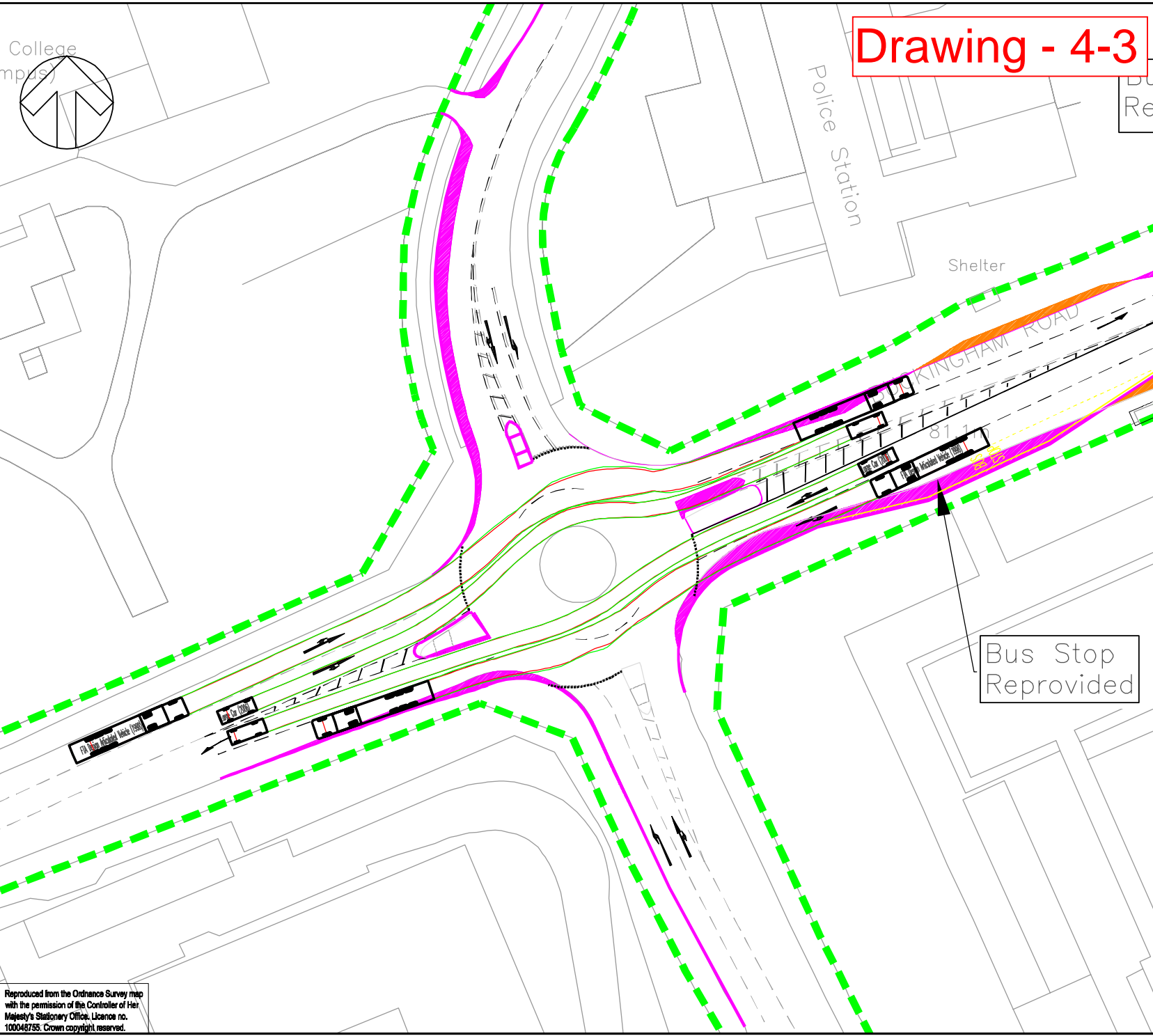
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| PROJECT No: 70069442 | DESIGNED: JS | DRAWN: SET |
| DRAWING No: 70069442-001B-DIM | | DATE: March 2021 |
| | | REV: P02 |

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File name: \\UK\WSPGROUP\COMMON\CENTRAL DATA\PROJECTS\70069442 - SWMK - 202003 WPTP TRANSPORT PLANNING\ANALYSIS\2021 JUNCTION MODELLING\MITIGATION\1\1 - SHERWOOD DRIVE RBT MITIGATION\DIM_1\02.DWG, printed on 26 March 2021 13:22:14, by Mbugua, Bernard

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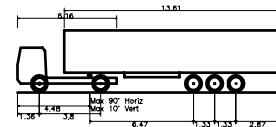
File name \\UK.WSPGROUP.COM\CENTRAL_DATA\PROJECTS\7006944\070069442 - SWMK - 2020\03 WPT\TP TRANSPORT PLANNING\ANALYSIS\2021 JUNCTION MODELLING\MITIGATION\J1_U1 - SHERWOOD DRIVE RBT MITIGATION P01_ATR.DWG, printed on 26 March 2021 17:08:02, by Sherock, Justin



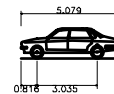
Drawing - 4-3

DO NOT SCALE

014



FTA Design Articulated Vehicle (1998)
 Overall Length 16.480m
 Overall Width 2.550m
 Overall Body Height 3.870m
 Min Body Ground Clearance 0.515m
 Max Track Width 2.470m
 Lock to lock time 5.50s
 Kerb to Kerb Turning Radius 8.550m



Large Car (2006)
 Overall Length 5.079m
 Overall Width 1.872m
 Overall Body Height 1.525m
 Min Body Ground Clearance 0.331m
 Max Track Width 1.331m
 Lock to lock time 4.00s
 Kerb to Kerb Turning Radius 5.900m

| P01 | 15/03/2021 | JK | FIRST ISSUE | F | F |
|-----|------------|----|-------------|-----|-----|
| REV | DATE | BY | DESCRIPTION | CHK | APP |

| | | | | | |
|------------------------|--|--|--|--|--|
| DRAWING STATUS: | | | | | |
| S2 - FOR INFORMATION | | | | | |



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CLIENT:
 SOUTH WEST MILTON KEYNES CONSORTIUM

ARCHITECT:

PROJECT:
 SOUTH WEST MILTON KEYNES

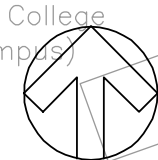
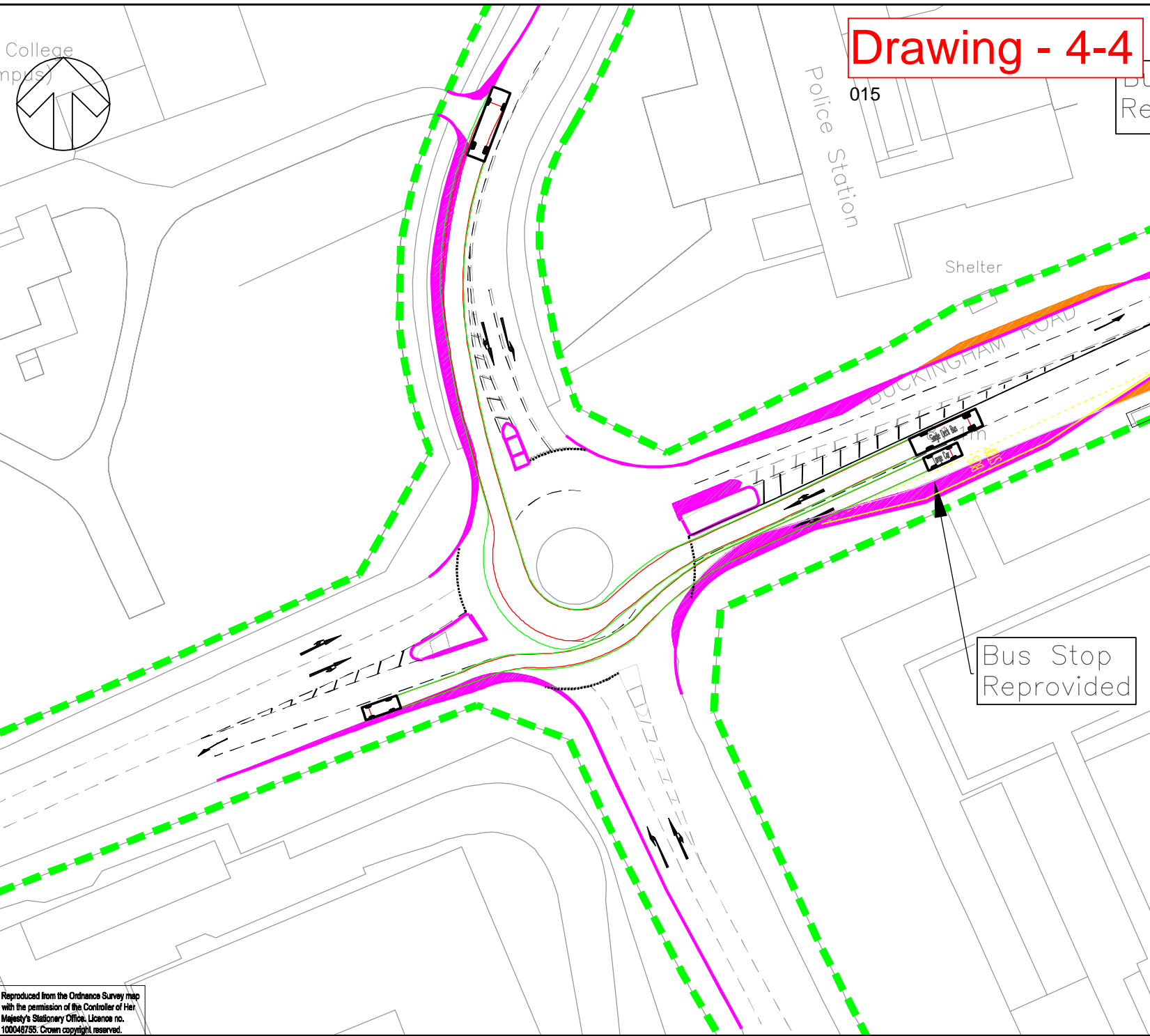
TITLE:
 J1 -SHERWOOD DRIVE ROUNDABOUT
 JUNCTION MITIGATION

| | | |
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| PROJECT No: 70069442 | DESIGNED: ST | DRAWN: JK |
| DRAWING No: 9442-TP-ATR-020 | | DATE: March 21 |
| | | REV: P01 |

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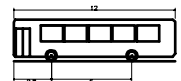
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File name \\UK.WSPGROUP.COM\CENTRAL_DATA\PROJECTS\7006944\070069442 - SWMK - 202003 WPT\TP TRANSPORT PLANNING\ANALYSIS\2021 JUNCTION MODELLING\MITIGATION\1\1 - SHERWOOD DRIVE RBT MITIGATION_P01_ATR_DWG, printed on 17 March 2021 10:05:29, by Sherock, Justin

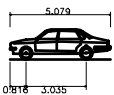


Drawing - 4-4

DO NOT SCALE



Standard Rigid Bus
 Overall Length 12.000m
 Overall Width 2.800m
 Overall Body Height 3.000m
 Min Body Ground Clearance 0.350m
 Track Width 2.000m
 Lock to lock time 4.00s
 Wall to Wall Turning Radius 10.771m



Large Car (2006)
 Overall Length 5.079m
 Overall Width 1.872m
 Overall Body Height 1.525m
 Max Track Width 1.331m
 Kerb to Kerb Turning Radius 5.900m

| P01 | 15/03/2021 | JK | FIRST ISSUE | F | F |
|-----|------------|----|-------------|-----|-----|
| REV | DATE | BY | DESCRIPTION | CHK | APP |

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ARCHITECT:

PROJECT: SOUTH WEST MILTON KEYNES

TITLE: J1 -SHERWOOD DRIVE ROUNDABOUT JUNCTION MITIGATION

| | | |
|-------------|----------|-----------|
| SCALE @ A3: | CHECKED: | APPROVED: |
| 1:500 | JS | JS |

| | | | |
|-------------|-----------|--------|----------|
| PROJECT No: | DESIGNED: | DRAWN: | DATE: |
| 70069442 | ST | JK | March 21 |

| | |
|-----------------|------|
| DRAWING No: | REV: |
| 9442-TP-ATR-019 | P01 |

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5

JUNCTION 2 - BUCKINGHAM ROAD/SHENLEY ROAD MITIGATION PROPOSALS

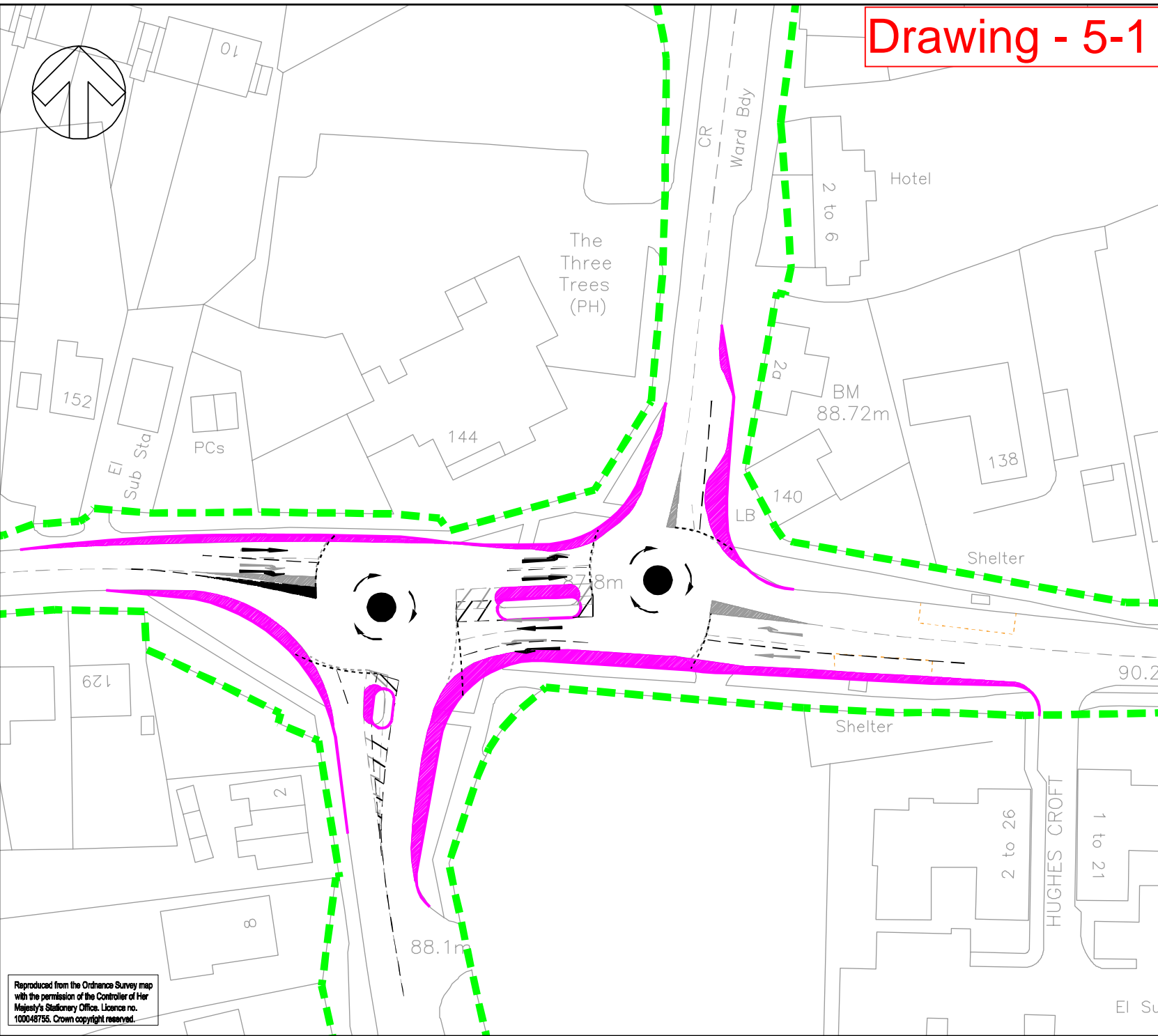


Drawing - 5-1

DO NOT SCALE 017

KEY

- Highway Boundary
- Kerb Amendments
- Carriageway Construction
- Footway Construction
- Verge Construction



| REV | DATE | BY | DESCRIPTION | CHK | APP |
|-----|------------|----|----------------|-----|-----|
| PD3 | 29/01/2021 | JS | HATCHING ADDED | JS | JS |
| PO2 | 26/01/2021 | JS | AMENDED LAYOUT | JS | JS |
| PO1 | 21/01/2021 | JS | NEW LAYOUT | JS | JS |

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CLIENT: South West Milton Keynes Consortium

ARCHITECT:

PROJECT: South West Milton Keynes

TITLE: Junction 2 Mitigation Buckingham Road/Shenley Road Mini-Roundabout Layout

| | | |
|--------------------------|--------------|--------------------|
| SCALE @ AS: 1:500 | CHECKED: JS | APPROVED: JS |
| PROJECT No: 70069442 | DESIGNED: JS | DRAWN: SET |
| | | DATE: January 2021 |
| DRAWING No: 70069442-015 | | REV: P03 |

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Drawing - 5-2

DO NOT SCALE 018

KEY

- - - Highway Boundary
- Kerb Amendments
- Carriageway Construction
- Footway Construction
- Verge Construction
- Street Furniture - Existing Location
- Street Furniture - Proposed Location
- Street Furniture - To be Removed

| REV | DATE | BY | DESCRIPTION | CHK | APP |
|-----|------------|----|------------------------------|-----|-----|
| P04 | 22/04/2021 | BM | Additional Information Added | JS | JS |
| PD3 | 29/01/2021 | JS | HATCHING ADDED | JS | JS |
| P02 | 26/01/2021 | JS | AMENDED LAYOUT | JS | JS |
| P01 | 21/01/2021 | JS | NEW LAYOUT | JS | JS |

DRAWING STATUS: S2 - FOR INFORMATION



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CLIENT: South West Milton Keynes Consortium

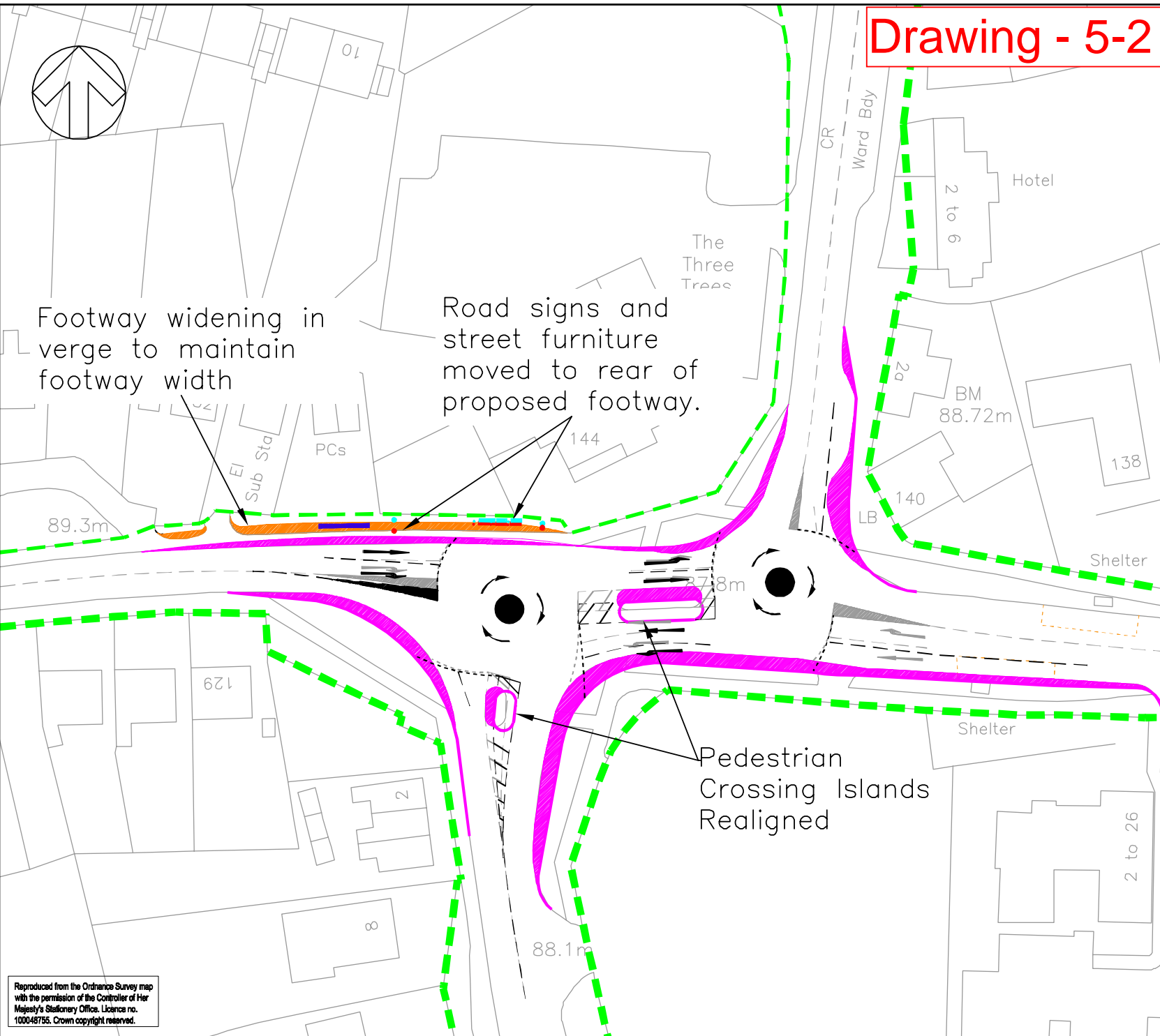
ARCHITECT:

PROJECT: South West Milton Keynes

TITLE: Junction 2 Mitigation Buckingham Road/Shenley Road Mini-Roundabout Layout

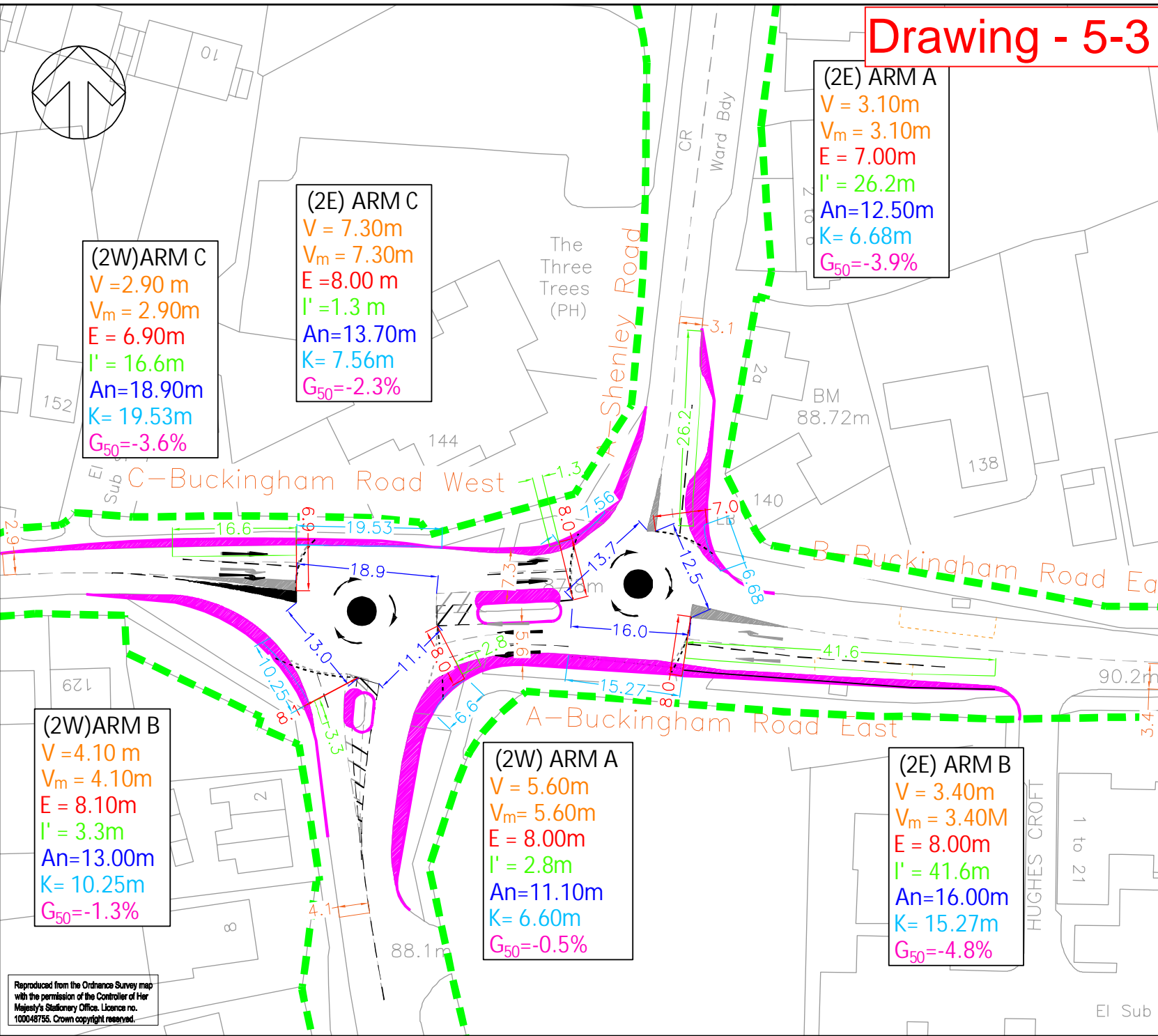
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| SCALE @ A: 1:500 | CHECKED: JS | APPROVED: JS |
| PROJECT No: 70069442 | DESIGNED: JS | DRAWN: SET |
| DRAWING No: 70069442-015 | DATE: April 2021 | REV: P04 |

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Drawing - 5-3

DO NOT SCALE 019

KEY

- Highway Boundary
- Kerb Amendments
- Carriageway Construction
- Footway Construction
- Verge Construction

| REV | DATE | BY | DESCRIPTION | CHK | APP |
|-----|------------|----|---------------------|-----|-----|
| PO3 | 30/03/2021 | JS | UPDATED ANNOTATIONS | JS | JS |
| PO2 | 23/03/2021 | JS | UPDATED ANNOTATIONS | JS | JS |
| PO1 | 25/02/2021 | JS | INITIAL LAYOUT | JS | JS |

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CLIENT: South West Milton Keynes Consortium

ARCHITECT:

PROJECT: South West Milton Keynes

TITLE: Junction 2 Mitigation Buckingham Road/Shenley Road Mini-Roundabout Layout - Modelling Dimensions

| | | | | | |
|-------------|------------------|-----------|------------|-----------|-----|
| SCALE @ A4: | 1:500 | CHECKED: | JS | APPROVED: | JS |
| PROJECT No: | 70069442 | DESIGNED: | JS | DRAWN: | SET |
| DRAWING No: | 70069442-015-DIM | DATE: | March 2021 | REV: | P03 |

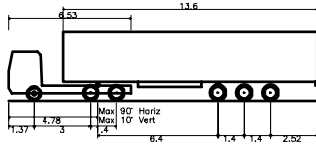
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Drawing - 5-4

DO NOT SCALE 020

VEHICLE INFORMATION



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

| | | | | | |
|-----|------------|----|----------------|-----|-----|
| PO1 | 21/01/2021 | JS | INITIAL LAYOUT | JK | WJ |
| REV | DATE | BY | DESCRIPTION | CHK | APP |

DRAWING STATUS: S2 - FOR INFORMATION



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ARCHITECT:

PROJECT: South West Milton Keynes

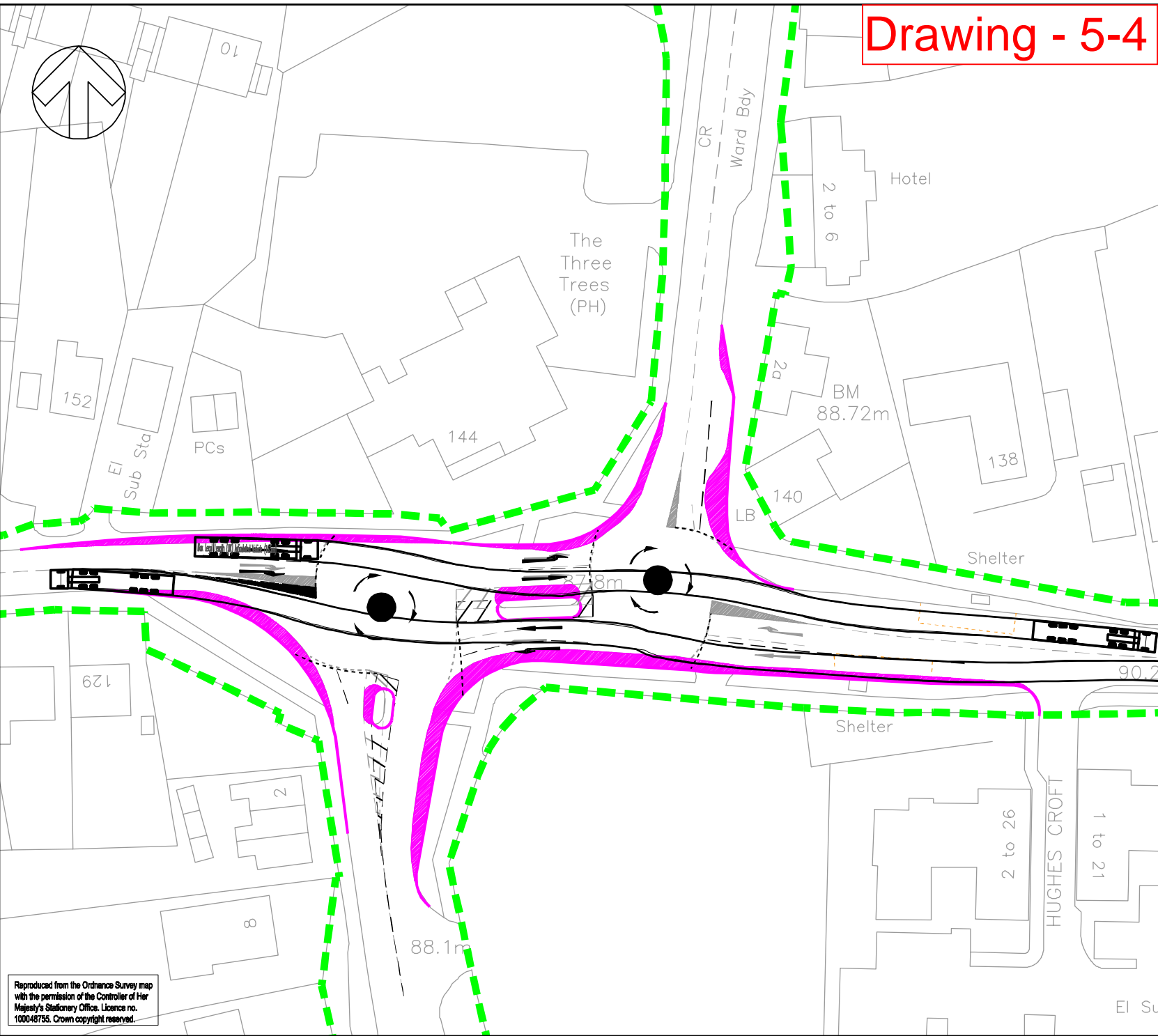
TITLE: Junction 2 Mitigation Buckingham Road/Shenley Road Mini-Roundabout Layout

SCALE @ A3: 1:500
 CHECKED: JS
 APPROVED: JS

PROJECT No: 70069442
 DESIGNED: JS
 DRAWN: SET
 DATE: February 2021

DRAWING No: 70069442-015-ATR1
 REV: P01

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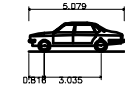
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Drawing - 5-5

DO NOT SCALE 021

VEHICLE INFORMATION



Large Car (2006)
 Overall Length 5.079m
 Overall Width 1.872m
 Overall Body Height 1.525m
 Min Body Ground Clearance 0.310m
 Max Track Width 1.831m
 Lock to lock time 4.00s
 Kerb to Kerb Turning Radius 5.900m

| REV | DATE | BY | DESCRIPTION | CHK | APP |
|-----|------------|----|----------------|-----|-----|
| P01 | 24/02/2021 | JS | INITIAL LAYOUT | | |

DRAWING STATUS: S2 - FOR INFORMATION



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CLIENT: South West Milton Keynes Consortium

ARCHITECT:

PROJECT: South West Milton Keynes

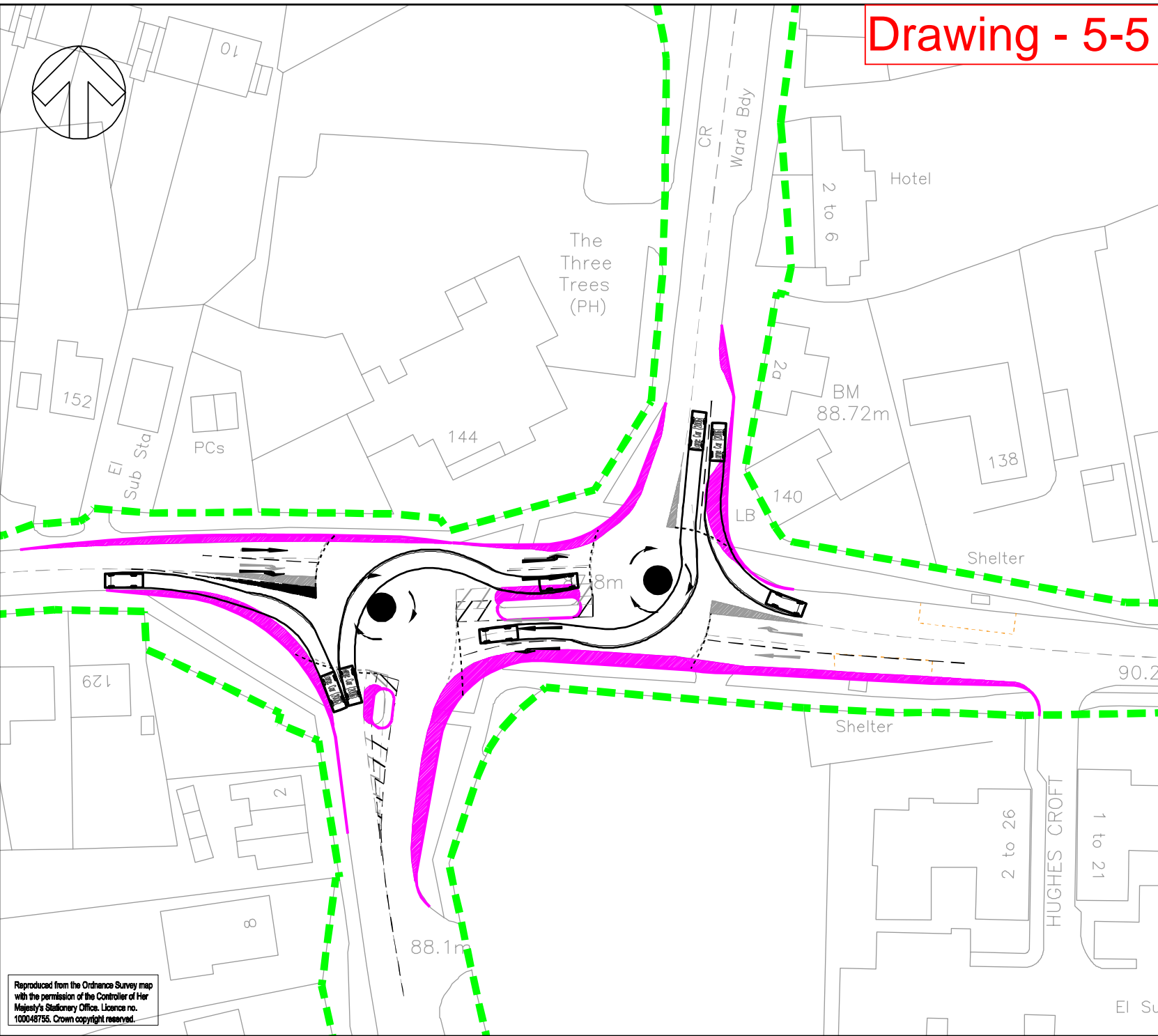
TITLE: Junction 2 Mitigation Buckingham Road/Shenley Road Mini-Roundabout Layout

SCALE @ A3: 1:500
 CHECKED: JS
 APPROVED: JS

PROJECT No: 70069442
 DESIGNED: JS
 DRAWN: SET
 DATE: February 2021

DRAWING No: 70069442-015-ATR2
 REV: P01

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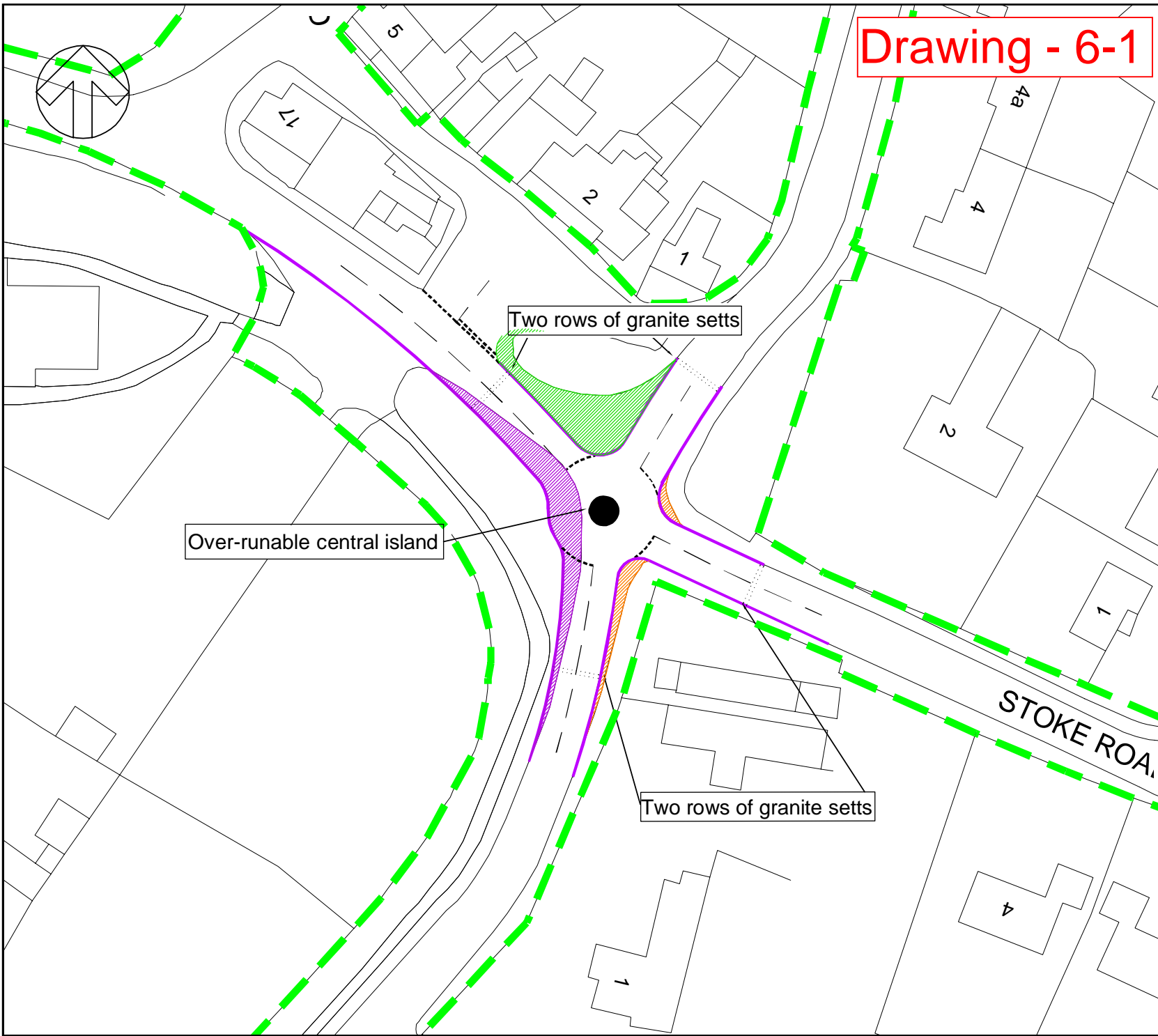
6

JUNCTION 3 - WHADDON ROAD/STOKE ROAD MITIGATION PROPOSALS



File name \\UK.WSPGROUP.COM\CENTRAL_DATA\PROJECTS\70069442 - SWMK - 2020\03 MRTIP TRANSPORT PLANNING\GIS\CAD\DRAWINGS\3 - NEWTON LONGVILLE MRBT MITIGATION - PRO2.DWG, printed on 18 December 2020 20:30:33, by Sherock, Justin

Drawing - 6-1



DO NOT SCALE 023

KEY

- Highway Boundary
- Kerb Amendments
- Carriageway Construction
- Footway Construction
- Verge Construction

| | | | | | |
|-----|------------|-----|-------------|-----|------|
| PO2 | 09/12/2020 | JS | TRN2 LAYOUT | + | V.P. |
| PO1 | 15/05/2020 | SMR | FIRST ISSUE | - | B. |
| REV | DATE | BY | DESCRIPTION | CHK | APP |

DRAWING STATUS: S0 - WORK IN PROGRESS



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CLIENT: South West Milton Keynes Consortium

ARCHITECT:

PROJECT: South West Milton Keynes

TITLE: Junction 3 Mitigation Layout
Whaddon Road / Stoke Road
Mini - roundabout

| | | |
|--------------|-----------|-----------|
| SCALE @ A3: | CHECKED: | APPROVED: |
| 1:500 | JS | JS |
| PROJECT No: | DESIGNED: | DRAWN: |
| 70069442 | JS | SMR |
| DRAWING No: | DATE: | REV: |
| 70069442-002 | Dec 2020 | P02 |

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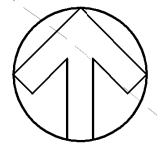
7

JUNCTION 5 - TATTENHOE ROUNDABOUT MITIGATION PROPOSALS



Drawing - 7-1

DO NOT SCALE 025



KEY

- - - - - Highway Boundary
- Kerb Amendments
- Carriageway Construction
- Verge Construction

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| REV | DATE | BY | DESCRIPTION | CHK | APP |
|-----|------------|----|-------------------------------------|-----|-----|
| P05 | 25/01/2021 | ST | MARKINGS REVISED | SH | MP |
| P04 | 12/11/2020 | ST | LANE WIDENING ON SNEISHALL STREET | SH | MP |
| P03 | 16/10/2020 | ST | LANE MARKINGS UPDATED | SH | MP |
| P02 | 24/08/2020 | ST | ADDITIONAL LANE ADDED ON OYRATORY N | SH | MP |
| P01 | 24/08/2020 | ST | FIRST ISSUE | SH | MP |

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ARCHITECT:

PROJECT: **SOUTH WEST MILTON KEYNES**

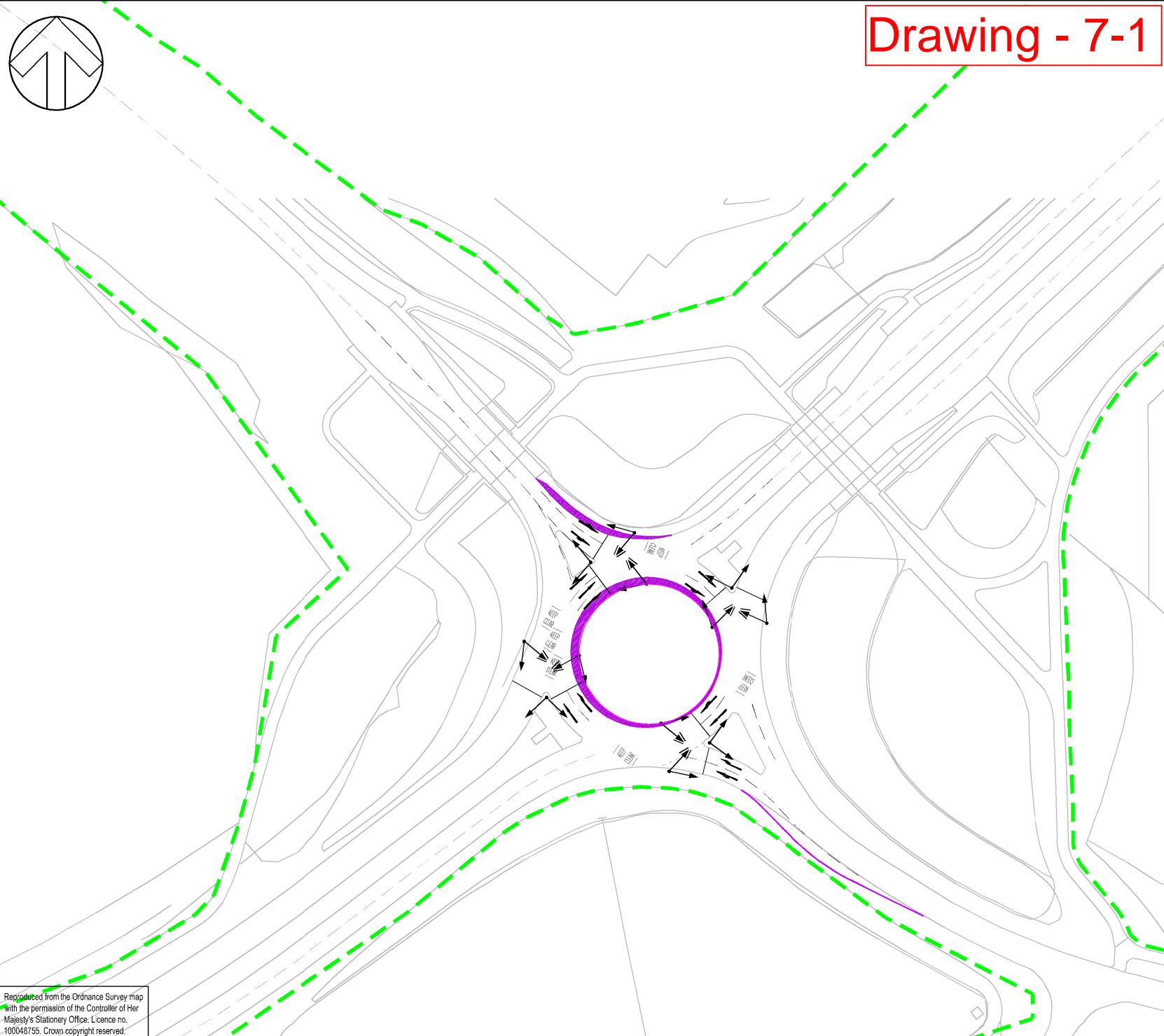
TITLE: **J5 - TATTENHOE ROUNDABOUT JUNCTION MITIGATION**

| | | |
|-----------------------|----------------|-----------------|
| SCALE @ A3: 1:1000 | CHECKED: SH | APPROVED: MP |
|-----------------------|----------------|-----------------|

| | | | |
|-------------------------|-----------------|--------------|------------------------|
| PROJECT No: 70069442 | DESIGNED: ST | DRAWN: ST | DATE: November 2020 |
|-------------------------|-----------------|--------------|------------------------|

| | |
|-------------------------------|-------------|
| DRAWING No: 9442-TP-SK-004 | REV: P05 |
|-------------------------------|-------------|

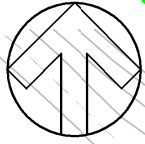
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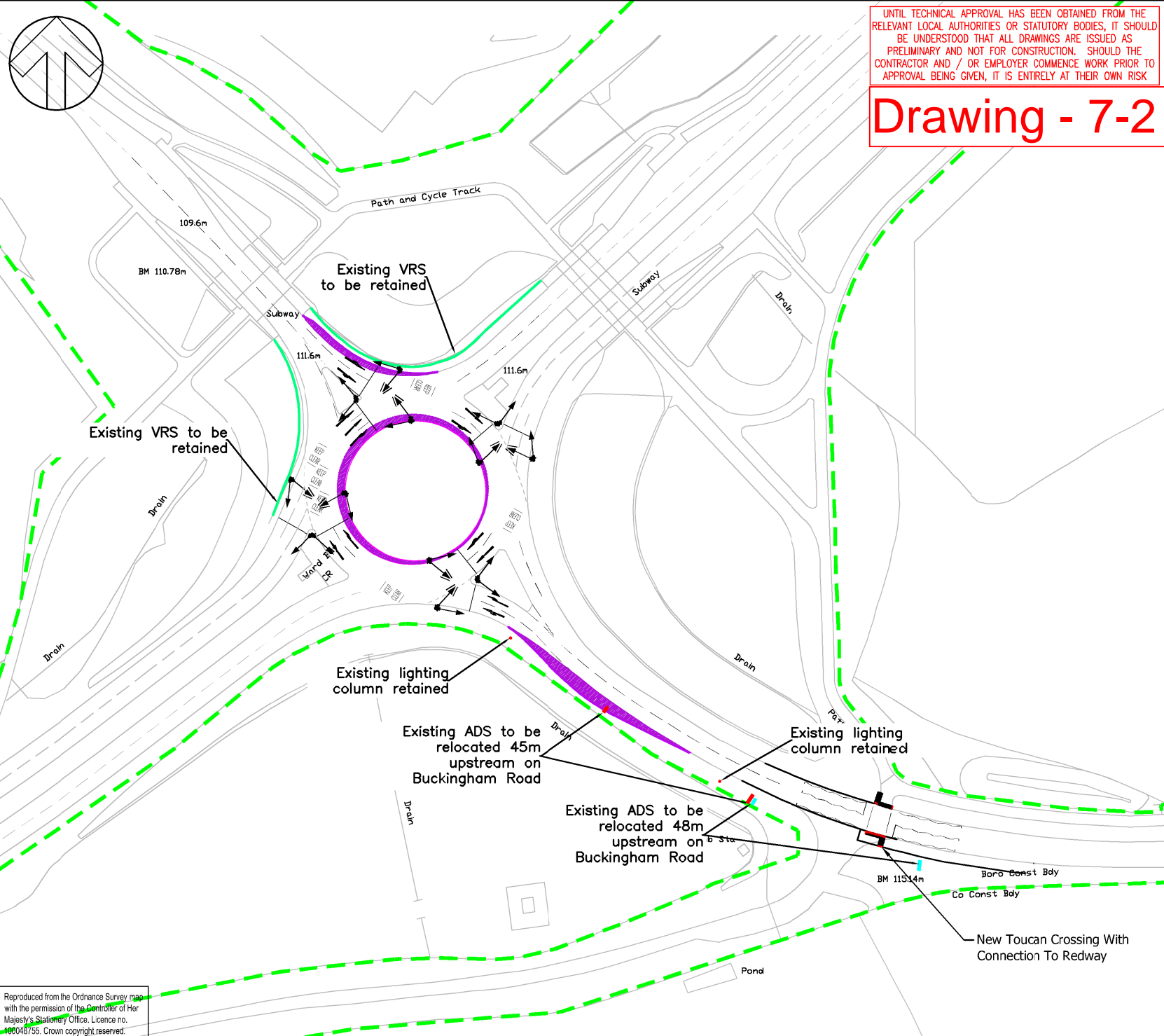
File name: \\UK\WSPGROUP\COMCENTRAL\DATA\PROJECTS\70069442 - SWMK - 2020\03\WIP\TP TRANSPORT PLANNING\ANALYSIS\2021 JUNCTION MODELLING\MITIGATION\J5 - TATTENHOE RBT MITIGATION\PI06.DWG, printed on 27 April 2021 16:07:41, by Sherlock



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Drawing - 7-2

| | | |
|---------------------|--------------------------------------|------------|
| DO NOT SCALE | | 026 |
| KEY | | |
| | Highway Boundary | |
| | Kerb Amendments | |
| | Carriageway Construction | |
| | Verge Construction | |
| | Street Furniture - Existing Location | |
| | Street Furniture - Proposed Location | |
| | VRS - Existing | |



| REV | DATE | BY | DESCRIPTION | CHK | APP |
|-----|------------|----|-------------------------------------|-----|-----|
| P06 | 22/04/2021 | BM | ADDITIONAL INFORMATION ADDED | SH | MP |
| P05 | 25/01/2021 | ST | MARKINGS REVISED | SH | MP |
| P04 | 12/11/2020 | ST | LANE WIDENING ON SNELSHALL STREET | SH | MP |
| P03 | 16/10/2020 | ST | LANE MARKINGS UPDATED | SH | MP |
| P02 | 24/08/2020 | ST | ADDITIONAL LANE ADDED ON OYRATORY N | SH | MP |
| P01 | 24/08/2020 | ST | FIRST ISSUE | SH | MP |

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ARCHITECT:

PROJECT: **SOUTH WEST MILTON KEYNES**

TITLE: **J5 - TATTENHOE ROUNDABOUT JUNCTION MITIGATION**

| | | |
|-----------------------|----------------|-----------------|
| SCALE @ A3: 1:1000 | CHECKED: SH | APPROVED: MP |
|-----------------------|----------------|-----------------|

| | | | |
|-------------------------|-----------------|--------------|---------------------|
| PROJECT No: 70069442 | DESIGNED: ST | DRAWN: ST | DATE: April 2021 |
|-------------------------|-----------------|--------------|---------------------|

| | |
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| DRAWING No: 9442-TP-SK-004 | REV: P06 |
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Drawing - 7-3

DO NOT SCALE 027

KEY

| | |
|---|-------------------------|
|  | 295m Forward Visibility |
|  | 215m Forward Visibility |
|  | 160m Forward Visibility |

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| | | | | | |
|-----|------------|----|-------------|-----|-----|
| P01 | 26/04/2021 | ST | FIRST ISSUE | | |
| REV | DATE | BY | DESCRIPTION | CHK | APP |

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CLIENT: SOUTH WEST MILTON KEYNES CONSORTIUM

ARCHITECT:

PROJECT: SOUTH WEST MILTON KEYNES

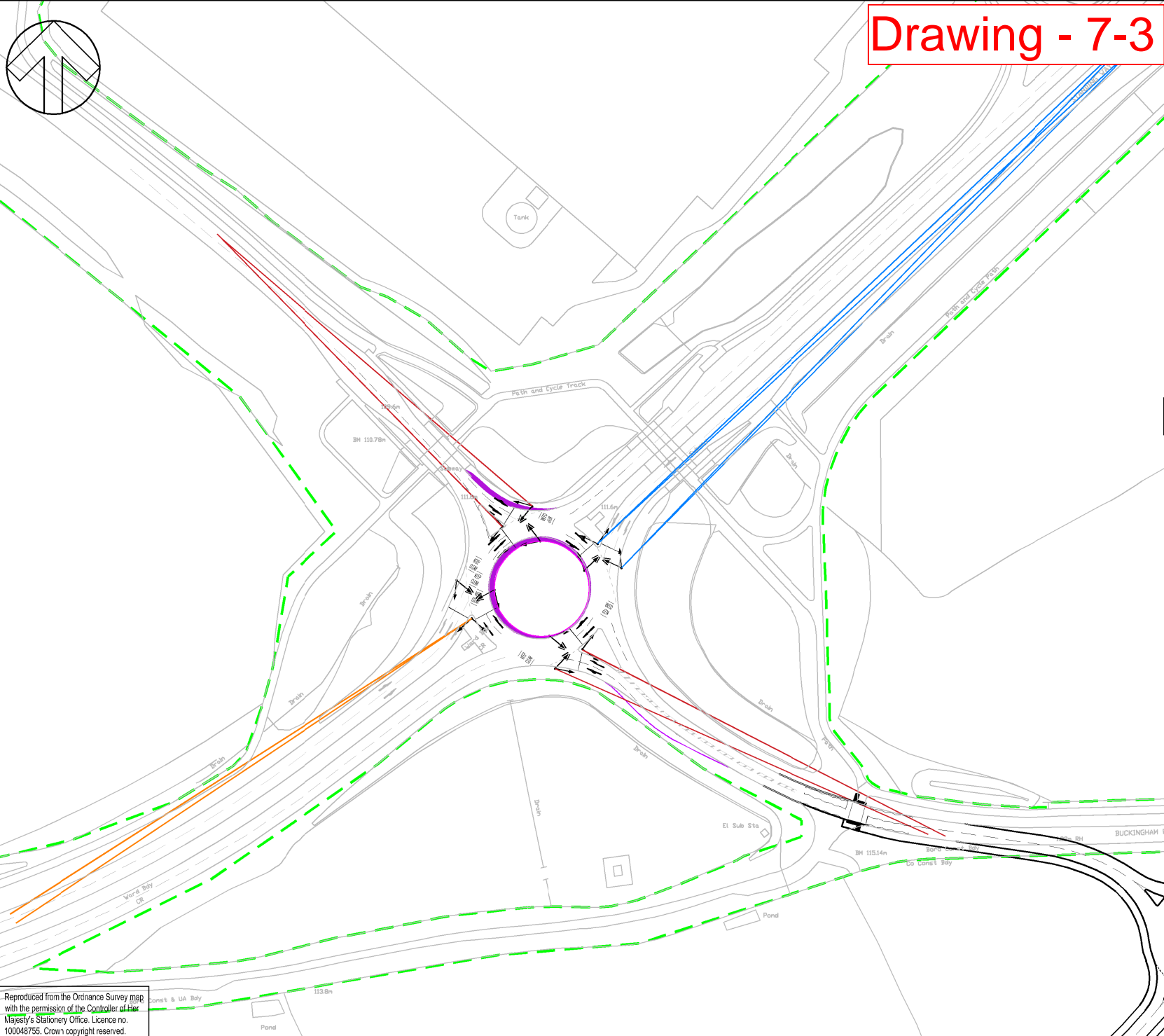
TITLE: J5 - TATTENHOE ROUNDABOUT JUNCTION FORWARD VISIBILITY TO SIGNAL HEADS

| | | | | | |
|-------------|-----|----------|----|-----------|----|
| SCALE @ A3: | NTS | CHECKED: | SH | APPROVED: | MP |
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| PROJECT No: | DESIGNED: | DRAWN: | DATE: |
| 70069442 | ST | ST | April 2021 |

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| DRAWING No: | REV: |
| 70069442-018 | P01 |

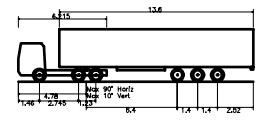
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Drawing - 7-4

028



Articulated Vehicle with Twin Steered Tractor
 Overall Length 16.500m
 Overall Width 2.500m
 Overall Body Height 3.691m
 Min Body Ground Clearance 0.426m
 Max Track Width 2.500m
 Lock to lock time 8.90m
 Kerb to Kerb Turning Radius 6.987m

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| REV | DATE | BY | DESCRIPTION | CHK | APP |
|-----|------------|----|-------------------------------------|-----|-----|
| P03 | 16/10/2020 | ST | LANE MARKINGS UPDATED | SH | MP |
| P02 | 24/08/2020 | ST | ADDITIONAL LANE ADDED ON CYRATORY N | SH | MP |
| P01 | 24/08/2020 | ST | FIRST ISSUE | SH | MP |

DRAWING STATUS: **S0 - WORK IN PROGRESS**



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CLIENT: **SOUTH WEST MILTON KEYNES CONSORTIUM**

ARCHITECT:

PROJECT: **SOUTH WEST MILTON KEYNES**

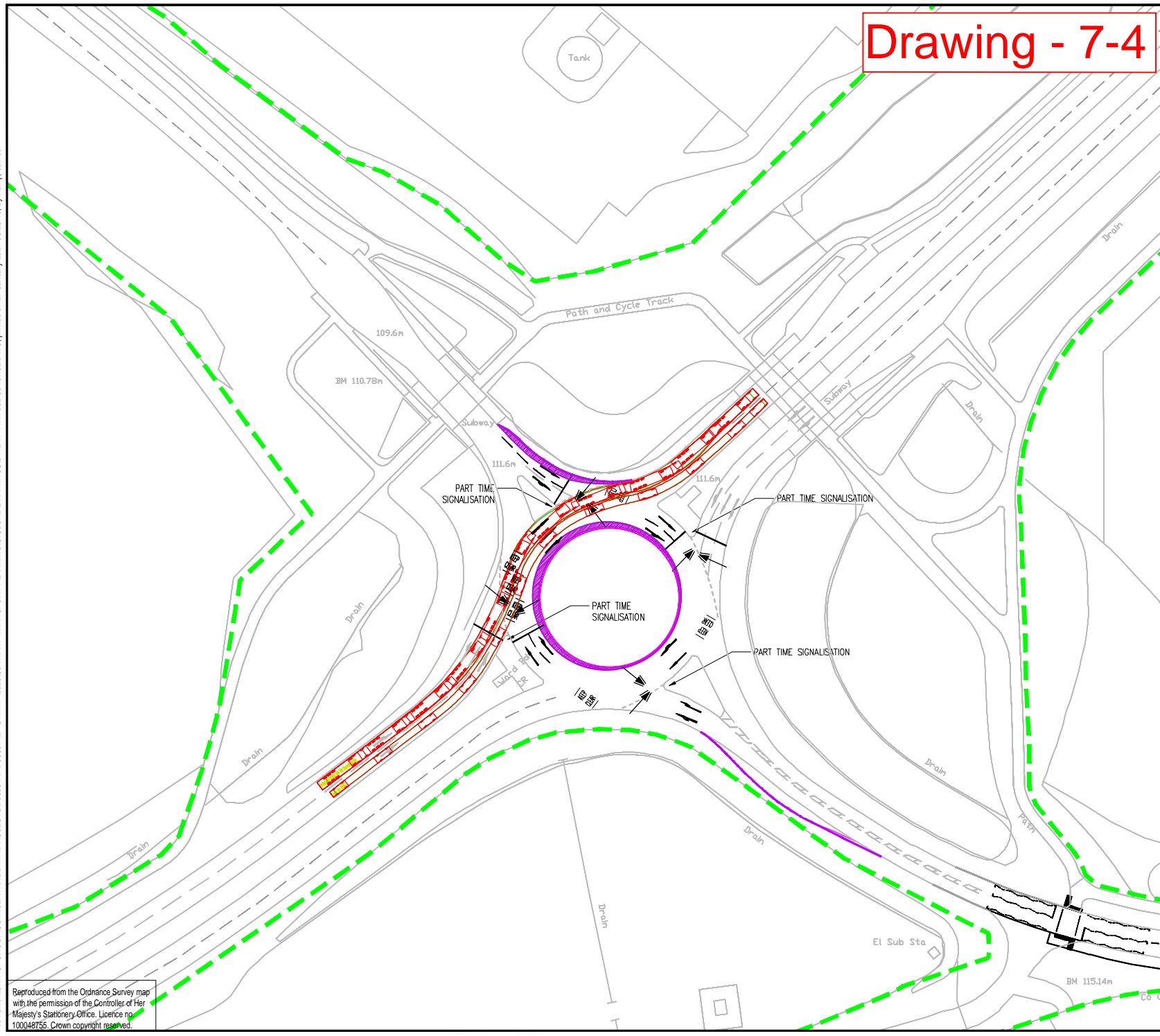
TITLE: **TATTENHOE ROUNDABOUT JUNCTION - SWEPT PATH ANALYSIS - 16.5M ARTIC**

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| SCALE @ A3: 1:1000 | CHECKED: JS | APPROVED: JS |
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|-------------------------|-----------------|--------------|-----------------------|
| PROJECT No: 70069442 | DESIGNED: JK | DRAWN: JK | DATE: October 2020 |
|-------------------------|-----------------|--------------|-----------------------|

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|--------------------------------|-------------|
| DRAWING No: 9442-TP-ATR-002 | REV: P01 |
|--------------------------------|-------------|

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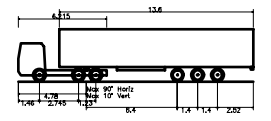


File name: \\UK.WSPGROUP.COM\CENTRAL DATA\PROJECTS\70069442 - SWMK - 2020\03 WIP\TP TRANSPORT PLANNING\G\S&C\DRAWING\9442-TP-ATR-002-004 JK02.DWG, printed on 27 January 2021 08:28:48, by Kemp, James

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Drawing - 7-5

029



Articulated Vehicle with Twin Steered Tractor
 Overall Length 16.500m
 Overall Width 2.500m
 Overall Body Height 3.691m
 Min Body Ground Clearance 0.426m
 Max Track Width 2.500m
 Lock to lock time 8.90m
 Kerb to Kerb Turning Radius 6.987m

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| REV | DATE | BY | DESCRIPTION | CHK | APP |
|-----|------------|----|-------------------------------------|-----|-----|
| P04 | 14/12/2020 | JK | UPDATED TRACKING | JS | JS |
| P03 | 16/10/2020 | ST | LANE MARKINGS UPDATED | SH | MP |
| P02 | 24/08/2020 | ST | ADDITIONAL LANE ADDED ON CYRATORY N | SH | MP |
| P01 | 24/08/2020 | ST | FIRST ISSUE | SH | MP |

DRAWING STATUS: **S0 - WORK IN PROGRESS**



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ARCHITECT:

PROJECT: **SOUTH WEST MILTON KEYNES**

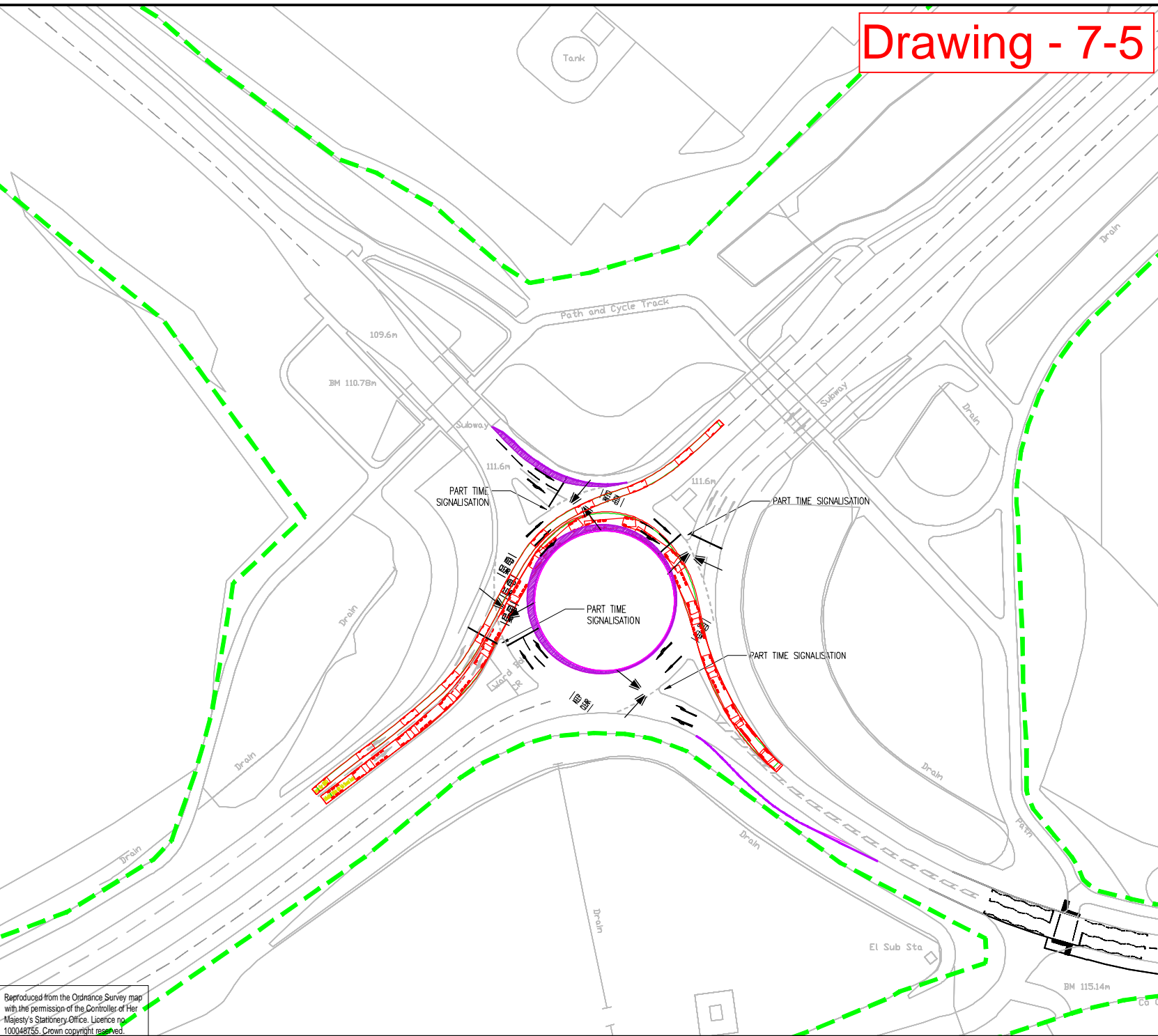
TITLE: **TATTENHOE ROUNDABOUT JUNCTION - SWEPT PATH ANALYSIS - 16.5M ARTIC**

SCALE @ A3: 1:1000
 CHECKED: JS
 APPROVED: JS

PROJECT No: 70069442
 DESIGNED: JK
 DRAWN: JK
 DATE: January 2021

DRAWING No: 9442-TP-ATR-004
 REV: P04

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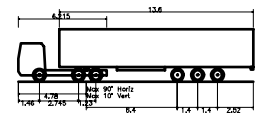


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Drawing - 7-6

030



Articulated Vehicle with Twin Steered Tractor
 Overall Length 16.500m
 Overall Width 2.500m
 Overall Body Height 3.691m
 Min Body Ground Clearance 0.426m
 Max Track Width 2.500m
 Lock to lock time 8.00m
 Kerb to Kerb Turning Radius 6.987m

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| REV | DATE | BY | DESCRIPTION | CHK | APP |
|-----|------------|----|-------------------------------------|-----|-----|
| P04 | 21/01/2021 | JK | ROUNDBOUNT AND TRACKING AMENDED | JS | JS |
| P03 | 16/10/2020 | ST | LANE MARKINGS UPDATED | SH | MP |
| P02 | 24/08/2020 | ST | ADDITIONAL LANE ADDED ON CYRATORY N | SH | MP |
| P01 | 24/08/2020 | ST | FIRST ISSUE | SH | MP |

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ARCHITECT:

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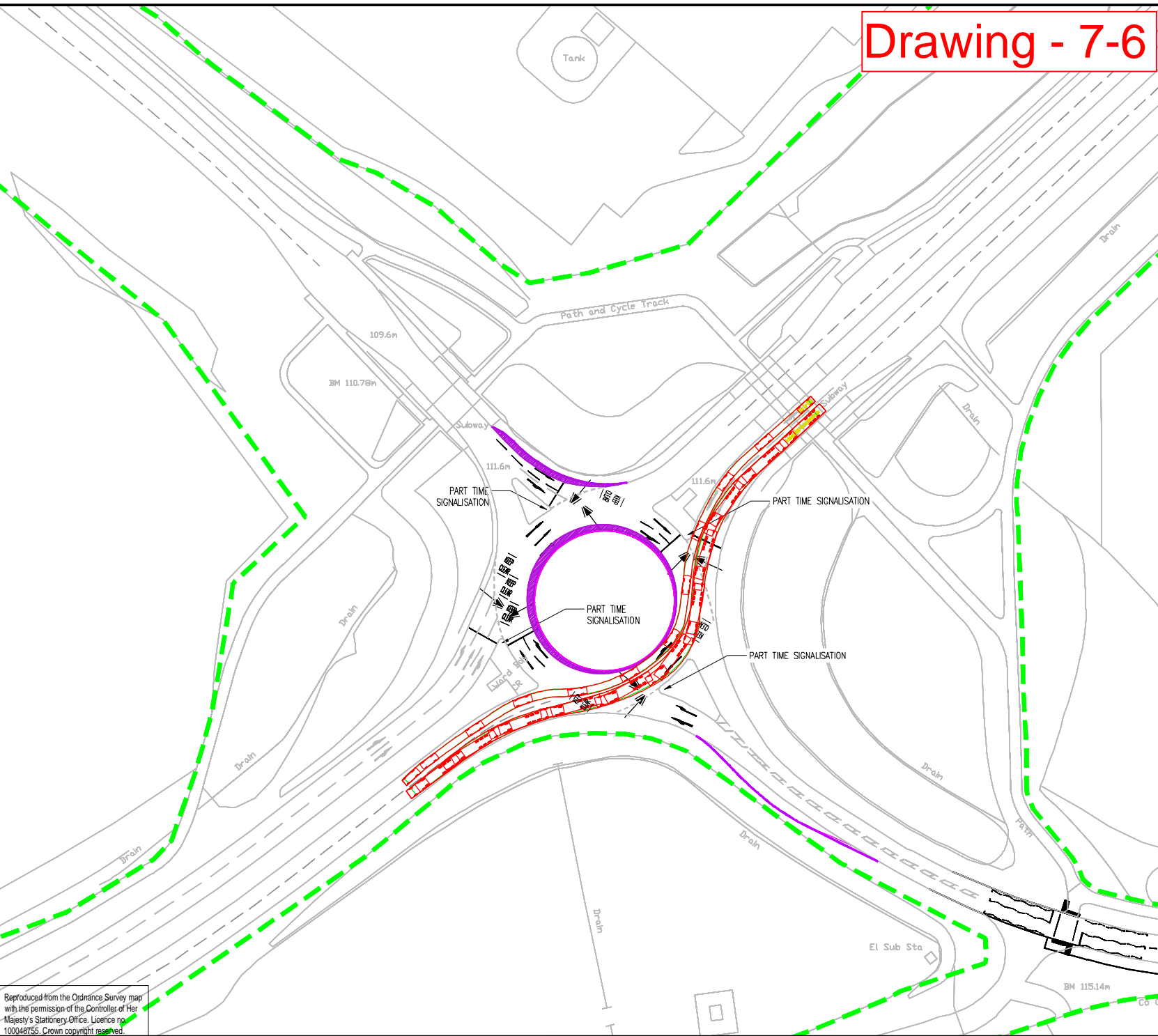
TITLE: **TATTENHOE ROUNDABOUT JUNCTION - SWEPT PATH ANALYSIS - 16.5M ARTIC**

SCALE @ A3: 1:1000
 CHECKED: JS
 APPROVED: JS

PROJECT No: 70069442
 DESIGNED: JK
 DRAWN: JK
 DATE: January 2021

DRAWING No: 9442-TP-ATR-005
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Drawing - 7-7

031

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| REV | DATE | BY | DESCRIPTION | CHK | APP |
|-----|------------|----|-------------------------------------|-----|-----|
| P04 | 21/01/2021 | JK | ROUNDBOUND AND TRACKING AMENDED | JS | JS |
| P03 | 16/10/2020 | ST | LANE MARKINGS UPDATED | SH | WP |
| P02 | 24/08/2020 | ST | ADDITIONAL LANE ADDED ON CYRATORY N | SH | WP |
| P01 | 24/08/2020 | ST | FIRST ISSUE | SH | WP |

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PROJECT: SOUTH WEST MILTON KEYNES

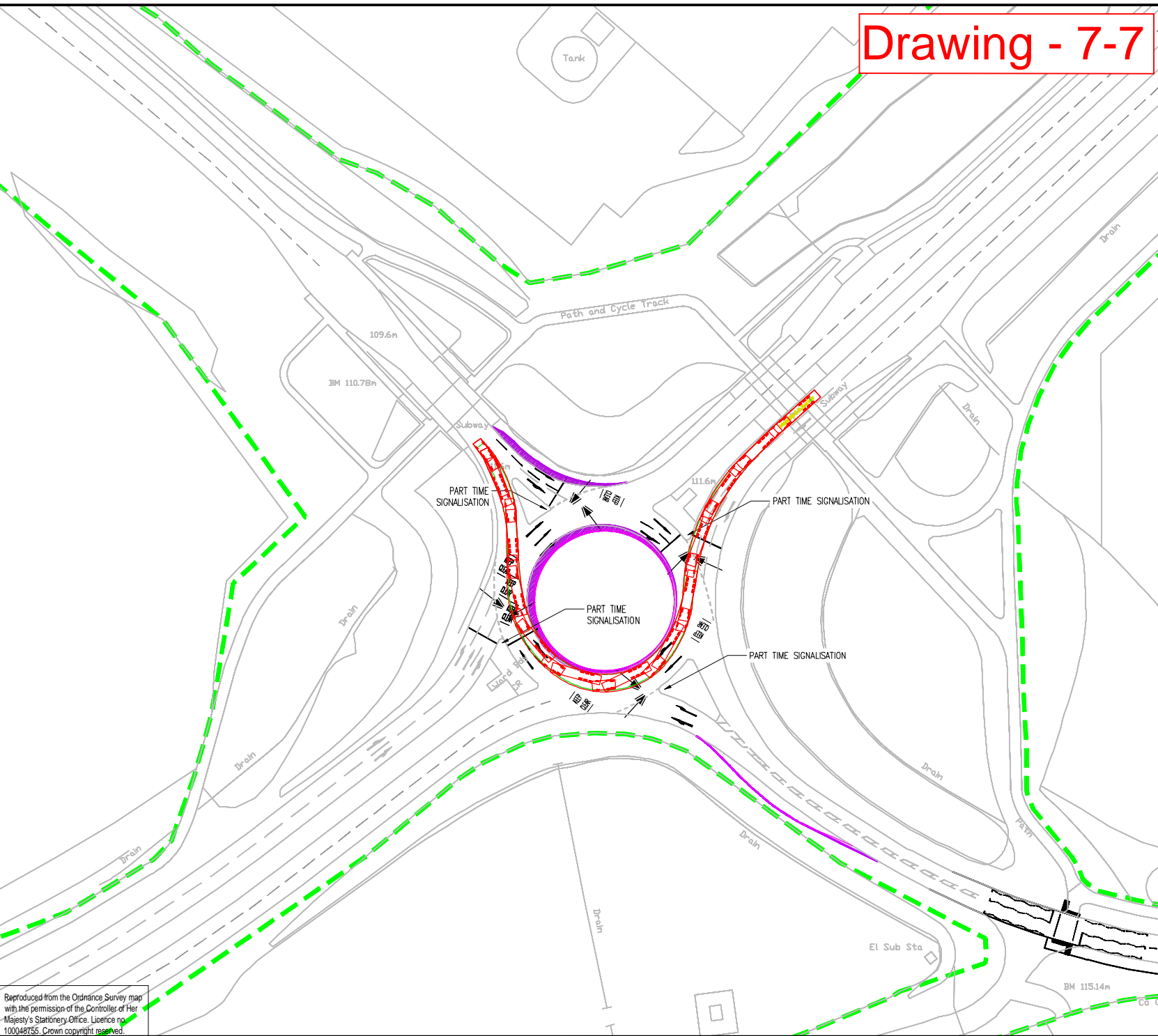
TITLE: TATTENHOE ROUNDABOUT JUNCTION - SWEPT PATH ANALYSIS - 16.5M ARTIC

SCALE @ A3: 1:1000 CHECKED: JS APPROVED: JS

PROJECT No: 70069442 DESIGNED: JK DRAWN: JK DATE: January 2021

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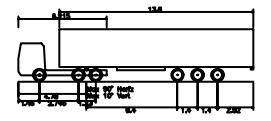


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Drawing - 7-8

032



| | |
|---|---------|
| Articulated Vehicle with Twin Steered Tractor | |
| Overall Length | 16.500m |
| Overall Width | 2.500m |
| Overall Body Height | 3.000m |
| Min Body Ground Clearance | 0.200m |
| Max Track Width | 2.500m |
| Lock to Lock Time | 2.000m |
| Kerb to Kerb Turning Radius | 6.500m |

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| REV | DATE | BY | DESCRIPTION | CHK | APP |
|-----|------------|----|-------------------------------------|-----|-----|
| P04 | 20/01/2021 | JK | ROUNDBOUT AND TRACKING AMENDED | JK | JK |
| P03 | 16/10/2020 | ST | LANE MARKINGS UPDATED | SH | MP |
| P02 | 24/08/2020 | ST | ADDITIONAL LANE ADDED ON CYRATORY N | SH | MP |
| P01 | 24/08/2020 | ST | FIRST ISSUE | SH | MP |

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ARCHITECT:

PROJECT: SOUTH WEST MILTON KEYNES

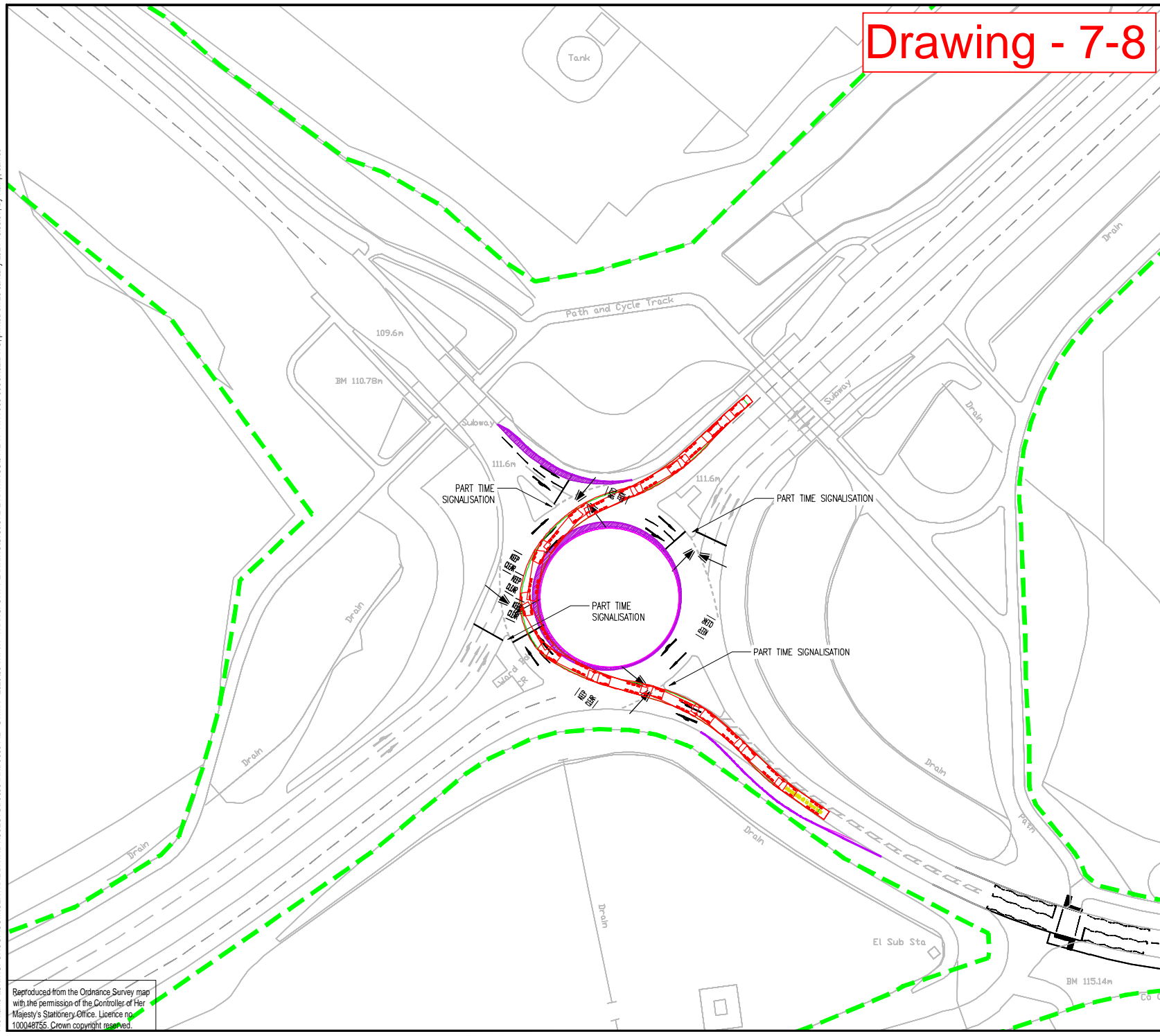
TITLE: TATTENHOE ROUNDABOUT JUNCTION - SWEPT PATH ANALYSIS - 16.5M ARTIC

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| 1:1000 | JS | JS |

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|-------------|-----------|--------|--------------|
| PROJECT No: | DESIGNED: | DRAWN: | DATE: |
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| 9442-TP-ATR-009 | P04 |

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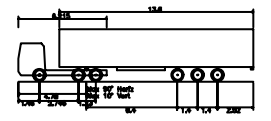


File name \\UK.WSPGROUP.COM\CENTRAL DATA\PROJECTS\70069442 - SWMK - 2020\03 WIP\TP TRANSPORT PLANNING\G\S&C\DRAWING\9442-TP-ATR-009-009 JK02.DWG, printed on 26 January 2021 15:56:57 by Kemp, James

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Drawing - 7-9

033



| | |
|---|---------|
| Articulated Vehicle with Twin Steered Tractor | |
| Overall Length | 16.500m |
| Overall Width | 2.500m |
| Overall Body Height | 3.000m |
| Min Body Ground Clearance | 0.200m |
| Max Track Width | 2.500m |
| Lock to Lock Time | 8.000m |
| Kerb to Kerb Turning Radius | 8.807m |

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| REV | DATE | BY | DESCRIPTION | CHK | APP |
|-----|------------|----|-------------------------------------|-----|-----|
| P04 | 20/12/2020 | JK | TRACKING UPDATED | JS | JS |
| P03 | 16/10/2020 | ST | LANE MARKINGS UPDATED | SH | MP |
| P02 | 24/08/2020 | ST | ADDITIONAL LANE ADDED ON CYRATORY N | SH | MP |
| P01 | 24/08/2020 | ST | FIRST ISSUE | SH | MP |

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ARCHITECT:

PROJECT: **SOUTH WEST MILTON KEYNES**

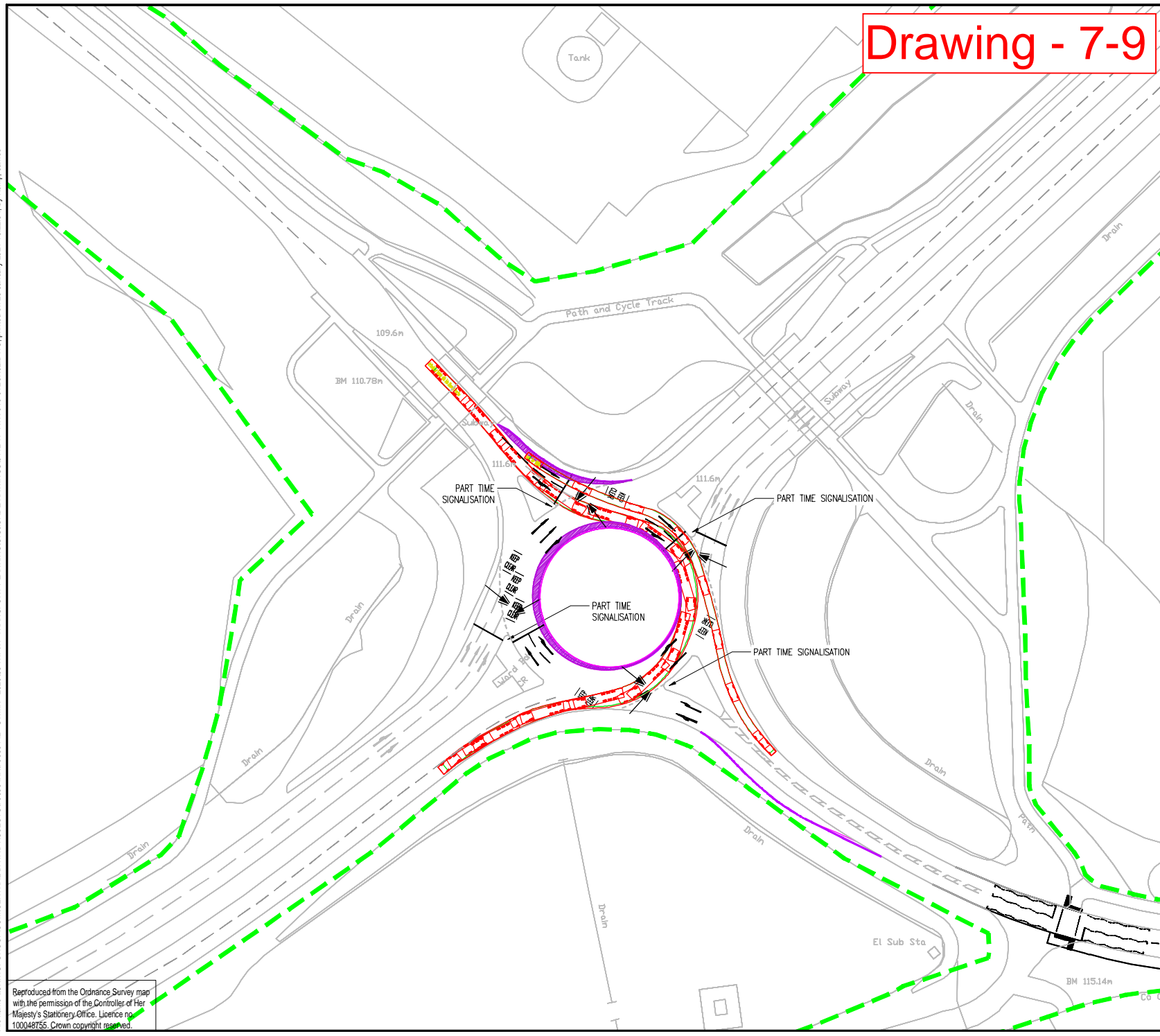
TITLE: **TATTENHOE ROUNDABOUT JUNCTION - SWEPT PATH ANALYSIS - 16.5M ARTIC**

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| SCALE @ A3: | CHECKED: | APPROVED: |
| 1:1000 | JS | JS |

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|-------------|-----------|--------|--------------|
| PROJECT No: | DESIGNED: | DRAWN: | DATE: |
| 70069442 | JK | JK | January 2021 |

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| DRAWING No: | REV: |
| 9442-TP-ATR-012 | P04 |

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Drawing - 7-10

034

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| | | | | | |
|-----|------------|----|-------------|-----|-----|
| P01 | 20/01/2021 | JK | FIRST ISSUE | JS | JS |
| REV | DATE | BY | DESCRIPTION | CHK | APP |

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ARCHITECT:

PROJECT: SOUTH WEST MILTON KEYNES

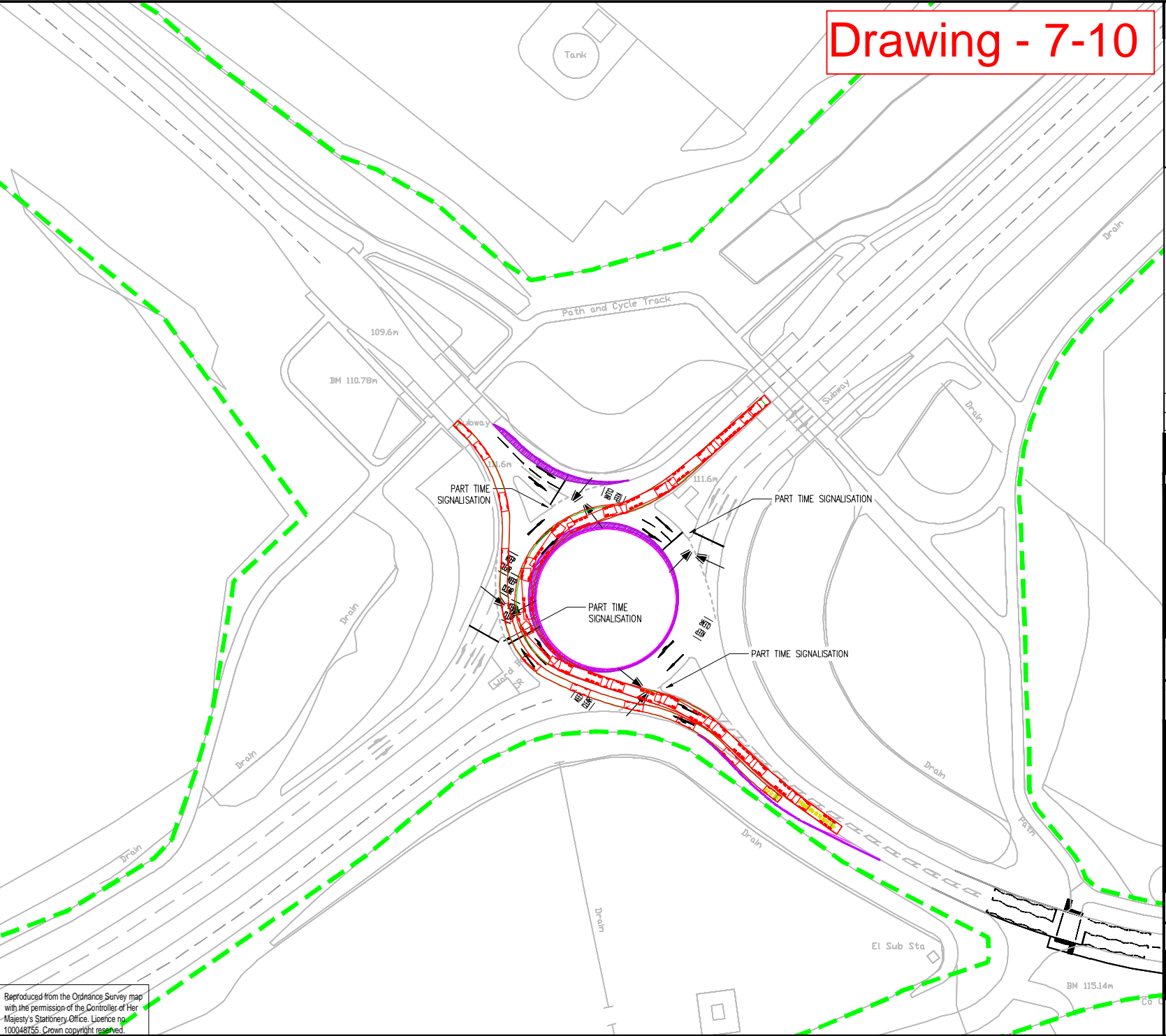
TITLE: TATTENHOE ROUNDABOUT JUNCTION - SWEEP PATH ANALYSIS - 16.5M ARTIC

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| 1:1000 | JS | JS |

| | | | |
|-------------|-----------|--------|--------------|
| PROJECT No: | DESIGNED: | DRAWN: | DATE: |
| 70069442 | JK | JK | January 2021 |

| | |
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| DRAWING No: | REV: |
| 9442-TP-ATR-013 | P01 |

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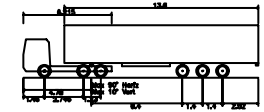


File name \\UK.WSPGROUP.COM\CENTRAL DATA\PROJECTS\70069442 - SWMK - 2020\03 WIP\TP TRANSPORT PLANNING\G\S&C\DRAWING\9442-TP-ATR-013 JK02.DWG, printed on 26 January 2021 16:03:30, by Kemp, James

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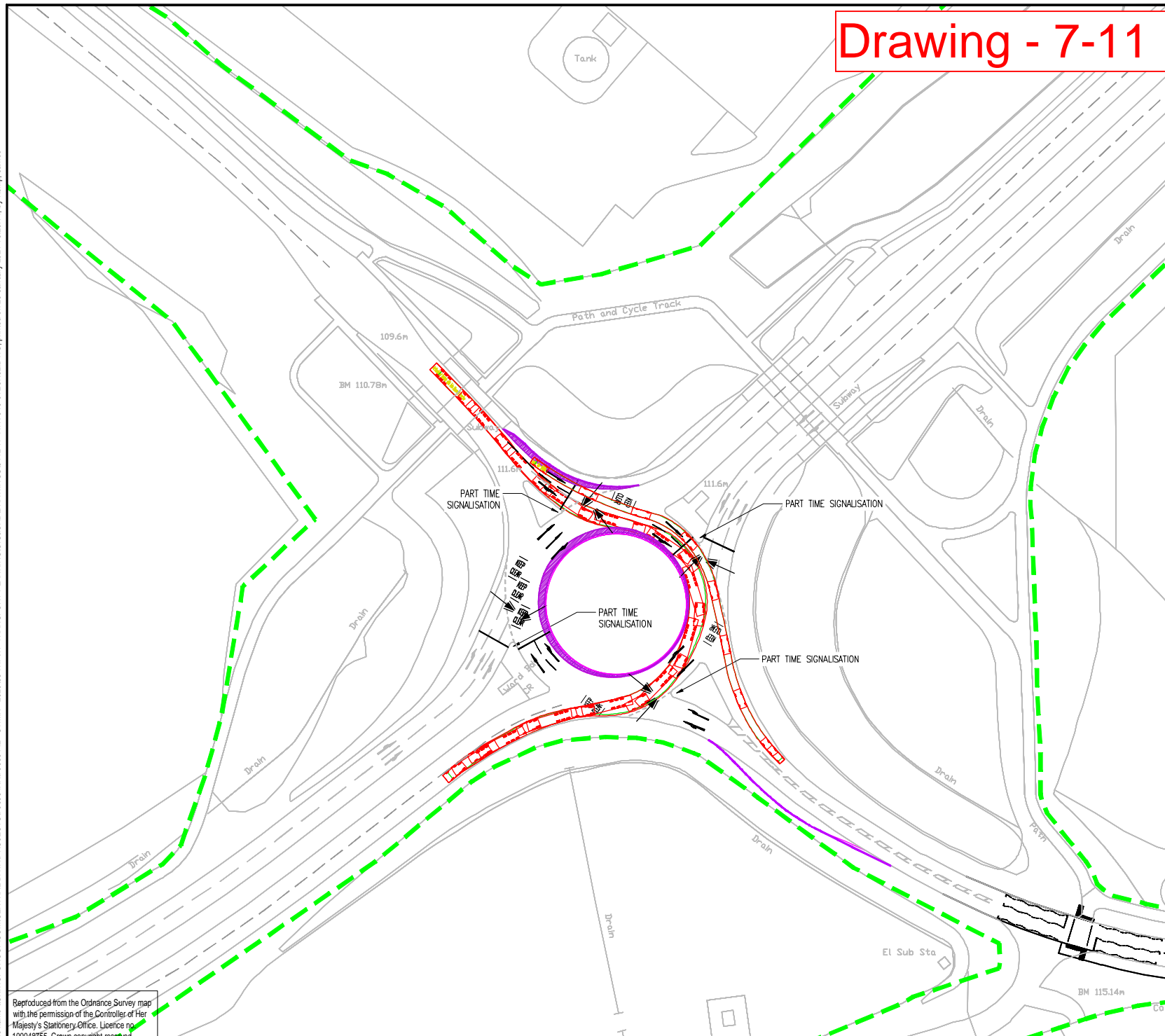
Drawing - 7-11

035



| | |
|---|---------|
| Articulated Vehicle with Twin Steered Tractor | |
| Overall Length | 16.500m |
| Overall Width | 2.550m |
| Overall Body Height | 3.250m |
| Min Body Ground Clearance | 0.250m |
| Max Track Width | 2.500m |
| Lock to Lock Time | 8.500m |
| Kerb to Kerb Turning Radius | 8.507m |

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| REV | DATE | BY | DESCRIPTION | CHK | APP |
|-----|------------|----|-------------|-----|-----|
| P01 | 20/01/2021 | JK | FIRST ISSUE | JS | JS |

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ARCHITECT:

PROJECT: **SOUTH WEST MILTON KEYNES**

TITLE: **TATTENHOE ROUNDABOUT JUNCTION - SWEEP
PATH ANALYSIS - 16.5M ARTIC**

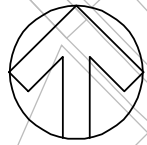
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| SCALE @ A3: 1:1000 | CHECKED: JS | APPROVED: JS |
| PROJECT No: 70069442 | DESIGNED: JK | DRAWN: JK |
| | | DATE: January 2021 |
| DRAWING No: 9442-TP-ATR-014 | | REV: P01 |

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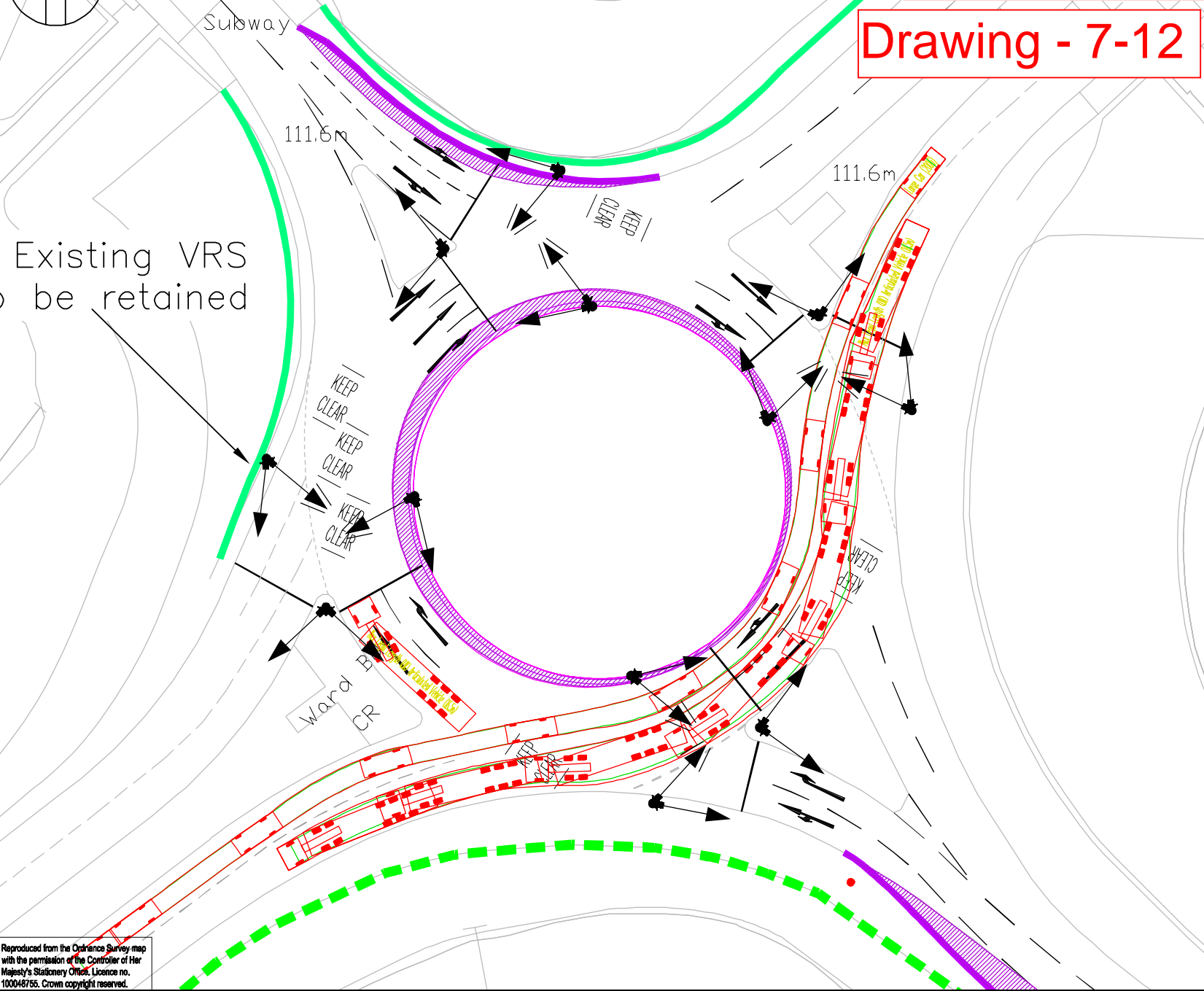
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File name \\UK.WSP\GROUP\CENTRAL DATA\PROJECTS\70089442 - SWMK - 2020\03 WP1\TP TRANSPORT PLANNING\ANALYSIS\2021 JUNCTION MODELLING\MITIGATION\616 - TATTENHOE RBT MITIGATION P06 - ATR.DWG, printed on 27 April 2021 16:22:43, by Muggins, Bernard

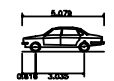


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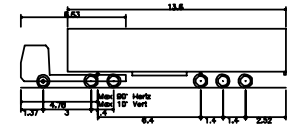
Drawing - 7-12



Existing VRS to be retained



Large Car (2006)
 Overall Length 5.07m
 Overall Width 1.82m
 Overall Body Height 1.52m
 Min Body Ground Clearance 0.31m
 Max Track Width 1.83m
 Lock to lock time 4.0s
 Kerb to Kerb Turning Radius 5.90m



Max Legal Length (UK) Articulated Vehicle (16.5m)
 Overall Length 16.50m
 Overall Width 2.50m
 Overall Body Height 3.29m
 Min Body Ground Clearance 0.41m
 Max Track Width 2.50m
 Lock to lock time 6.0s
 Kerb to Kerb Turning Radius 6.53m

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| P01 | 26/04/2021 | JS | INITIAL LAYOUT | PH | WP |
| REV | DATE | BY | DESCRIPTION | CHK | APP |

DRAWING STATUS: S2 - FOR INFORMATION

2 London Square, Cross Lanes, Guildford, GU1 1UN, UK
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CLIENT: SOUTH WEST MILTON KEYNES CONSORTIUM

ARCHITECT:

PROJECT: SOUTH WEST MILTON KEYNES

TITLE: J5 - TATTENHOE ROUNDABOUT JUNCTION MITIGATION SWEEP PATH ANALYSIS

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| SCALE @ A3: | CHECKED: | APPROVED: |
| 1:1000 | SH | MP |

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| PROJECT No: | DESIGNED: | DRAWN: | DATE: |
| 70089442 | ST | ST | April 2021 |

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| DRAWING No: | REV: |
| 9442-TP-ATR-021 | P01 |

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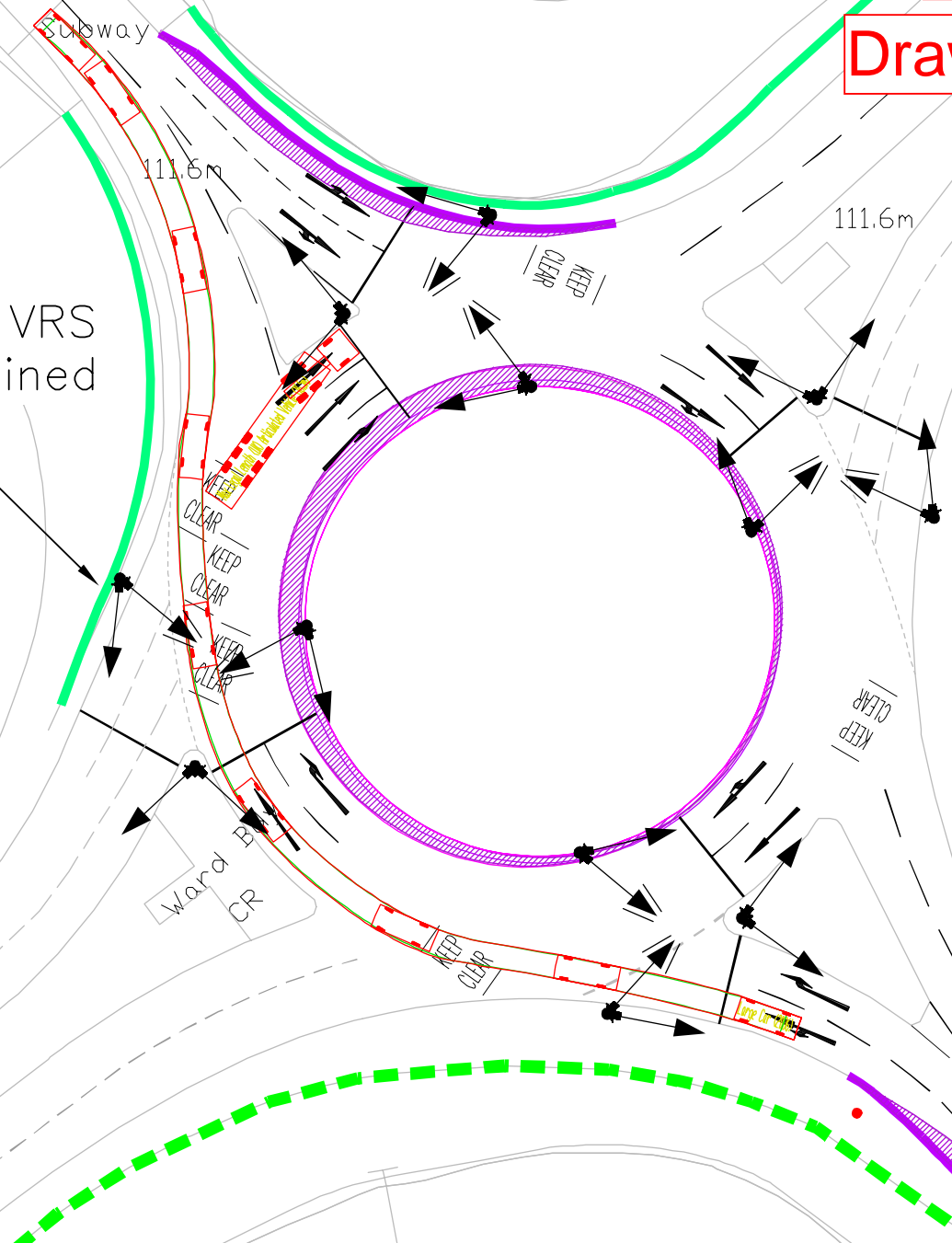
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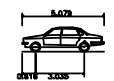
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Drawing - 7-13

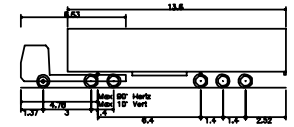
Existing VRS to be retained



DO NOT SCALE 037



Large Car (2006)
 Overall Length 5.079m
 Overall Width 1.822m
 Overall Body Height 1.525m
 Min Body Ground Clearance 0.310m
 Max Track Width 1.831m
 Lock to lock time 4.00s
 Kerb to Kerb Turning Radius 5.900m



Max Legal Length (UK) Articulated Vehicle (16.5m)
 Overall Length 16.500m
 Overall Width 2.500m
 Overall Body Height 3.691m
 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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| P01 | 26/04/2021 | JS | INITIAL LAYOUT | PH | WP |
| REV | DATE | BY | DESCRIPTION | CHK | APP |

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CLIENT: SOUTH WEST MILTON KEYNES CONSORTIUM

ARCHITECT:

PROJECT: SOUTH WEST MILTON KEYNES

TITLE: J5 - TATTENHOE ROUNDABOUT JUNCTION MITIGATION SWEEP PATH ANALYSIS

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| SCALE @ A3: | CHECKED: | APPROVED: |
| 1:1000 | SH | MP |

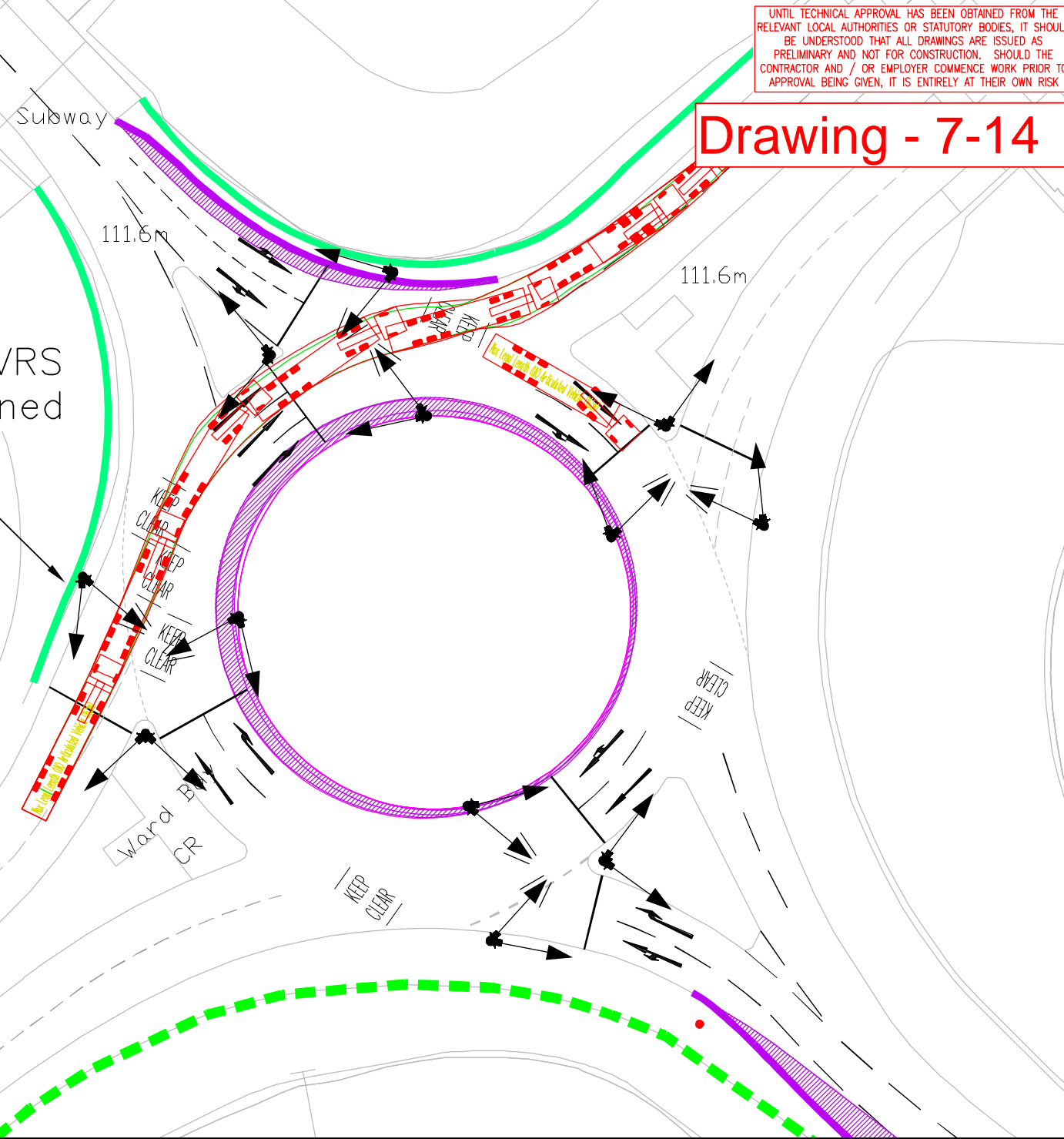
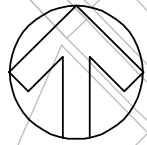
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| PROJECT No: | DESIGNED: | DRAWN: | DATE: |
| 70089442 | ST | ST | April 2021 |

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| 9442-TP-ATR-022 | P01 |

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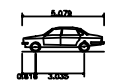
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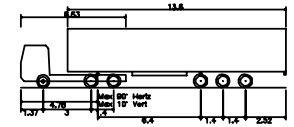


Drawing - 7-14

DO NOT SCALE 038



Large Car (2006)
 Overall Length: 5.079m
 Overall Width: 1.822m
 Overall Body Height: 1.925m
 Min Body Ground Clearance: 0.310m
 Max Track Width: 1.831m
 Lock to lock time: 4.00s
 Kerb to Kerb Turning Radius: 5.900m



Max Legal Length (UK) Articulated Vehicle (16.5m)
 Overall Length: 16.500m
 Overall Width: 2.500m
 Overall Body Height: 3.251m
 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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| P01 | 26/04/2021 | JS | INITIAL LAYOUT | PH | WP |
| REV | DATE | BY | DESCRIPTION | CHK | APP |

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ARCHITECT:

PROJECT: SOUTH WEST MILTON KEYNES

TITLE: J5 - TATTENHOE ROUNDABOUT JUNCTION MITIGATION SWEEP PATH ANALYSIS

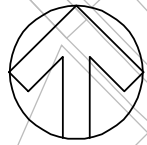
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| PROJECT No: 70089442 | DESIGNED: ST | DRAWN: ST | DATE: April 2021 |
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| DRAWING No: 9442-TP-ATR-023 | REV: P01 |
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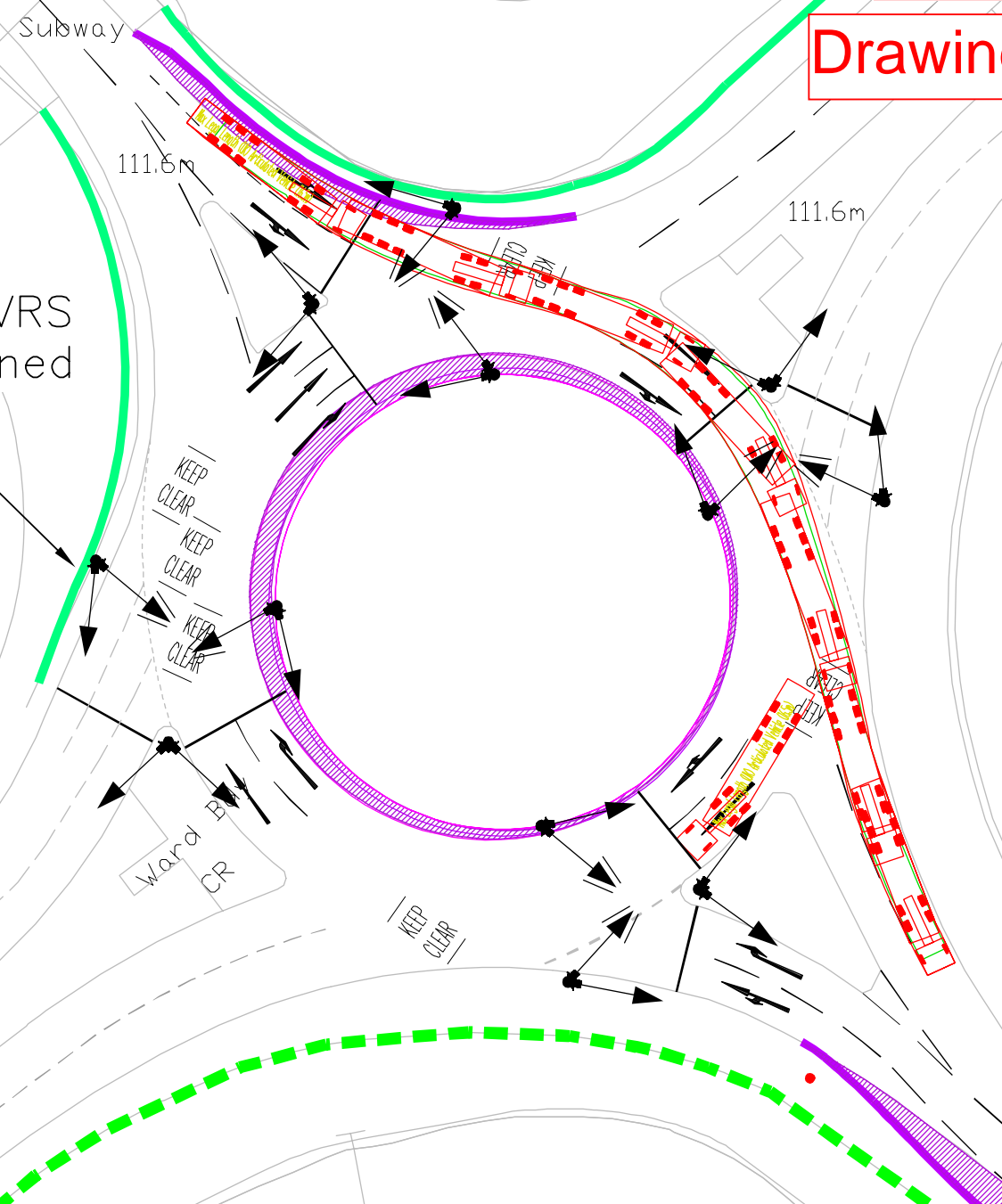
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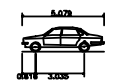
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Drawing - 7-15

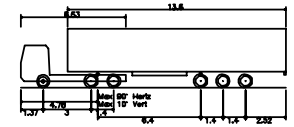
Existing VRS to be retained



DO NOT SCALE 039



Large Car (2006)
 Overall Length 5.079m
 Overall Width 1.822m
 Overall Body Height 1.525m
 Min Body Ground Clearance 0.310m
 Max Track Width 1.831m
 Lock to lock time 4.00s
 Kerb to Kerb Turning Radius 5.900m



Max Legal Length (UK) Articulated Vehicle (16.5m)
 Overall Length 16.500m
 Overall Width 2.550m
 Overall Body Height 3.691m
 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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| P01 | 26/04/2021 | JS | INITIAL LAYOUT | PH | WP |
| REV | DATE | BY | DESCRIPTION | CHK | APP |

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CLIENT: SOUTH WEST MILTON KEYNES CONSORTIUM

ARCHITECT:

PROJECT: SOUTH WEST MILTON KEYNES

TITLE: J5 - TATTENHOE ROUNDABOUT JUNCTION MITIGATION SWEEP PATH ANALYSIS

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| SCALE @ A3: | CHECKED: | APPROVED: |
| 1:1000 | SH | MP |
| PROJECT No: | DESIGNED: | DRAWN: |
| 70089442 | ST | ST |
| DRAWING No: | DATE: | REV: |
| 9442-TP-ATR-024 | April 2021 | P01 |

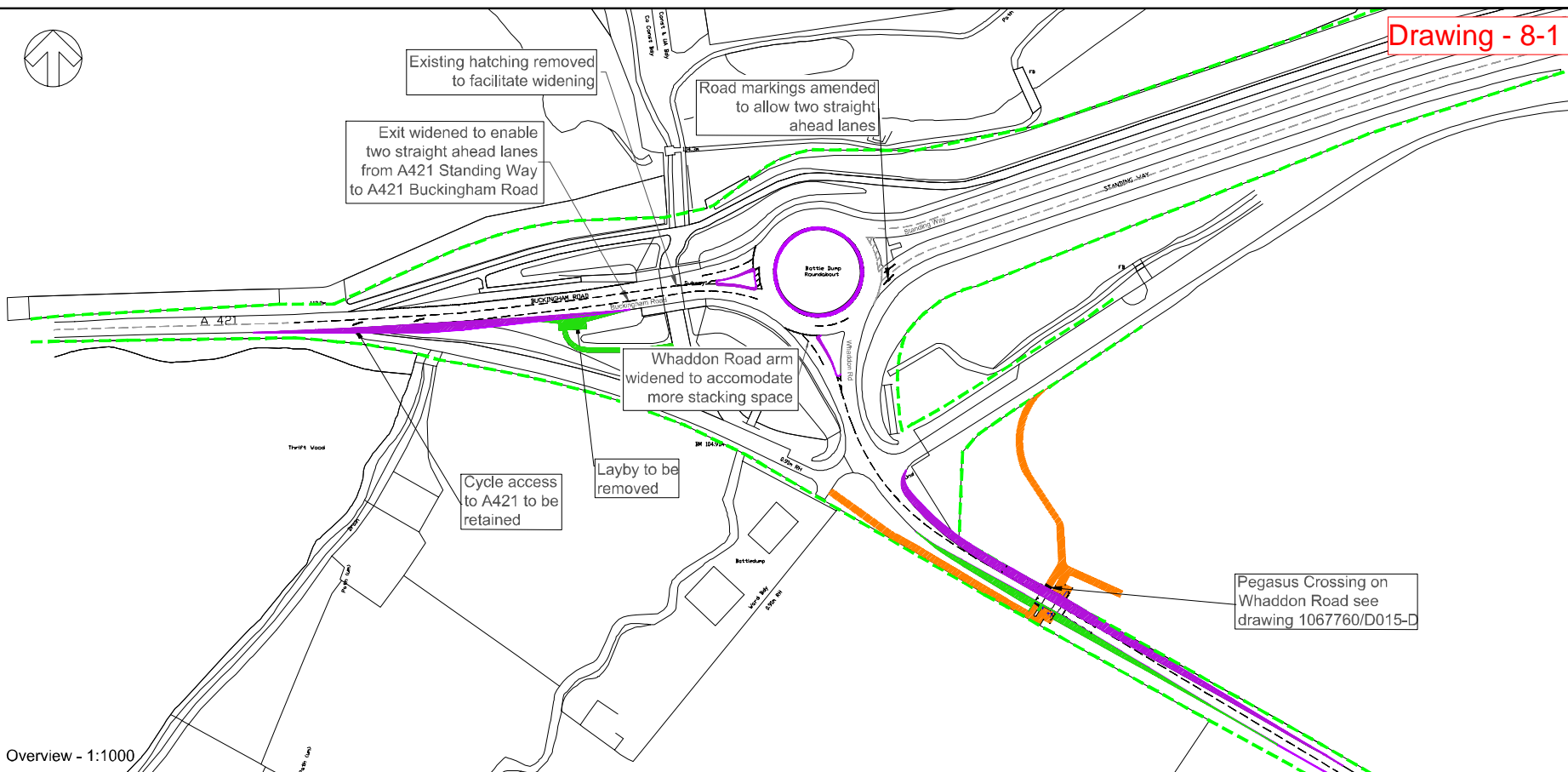
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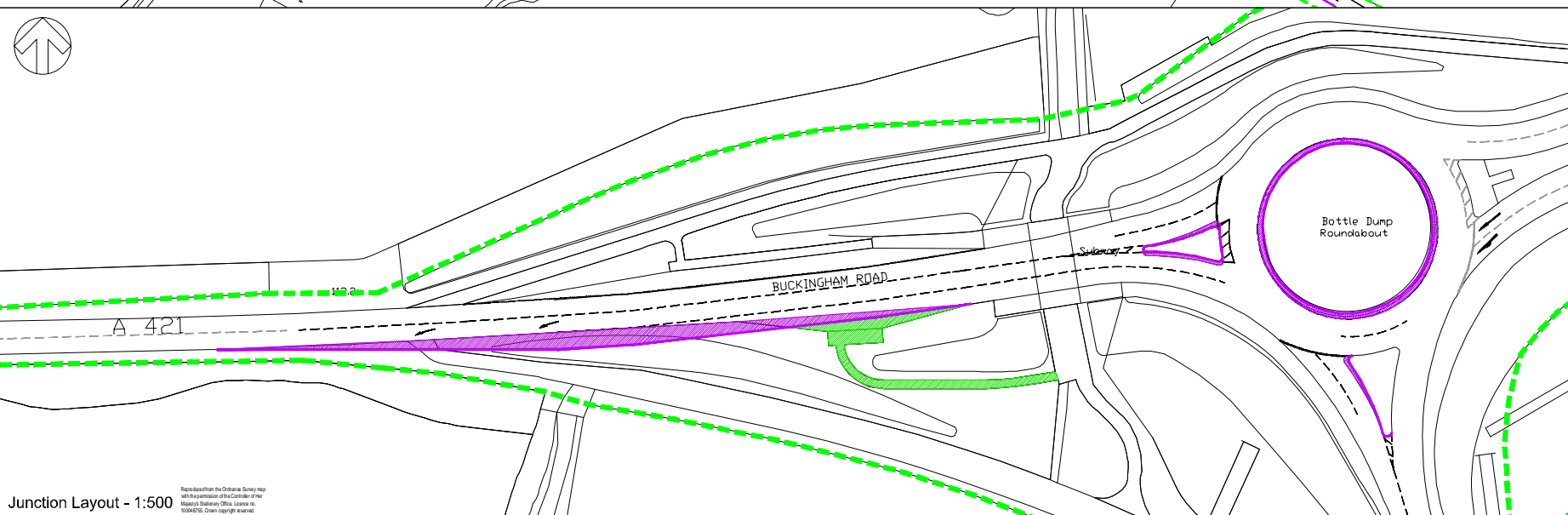
8

JUNCTION 6 - BOTTLEDUMP ROUNDABOUT MITIGATION PROPOSALS





Overview - 1:1000



Junction Layout - 1:500

Drawing - 8-1

DO NOT SCALE

041

KEY

- Highway Boundary
- Kerb Amendments
- █ Carriageway Construction
- █ Footway Construction
- █ Verge Construction

| | | | | | |
|-----|------------|----|----------------|-----|-----|
| PO3 | 25/01/2022 | JS | AMENDED LAYOUT | SH | MJP |
| PO4 | 12/11/2022 | JK | AMENDED LAYOUT | SH | MJP |
| REV | DATE | BY | DESCRIPTION | CHK | APP |

STATUS: S2 - FOR INFORMATION



2 Lunder Square, Drop Lane, GL1 0RD, Glos, UK
T: 44 (0) 185 825 900
www.wsp.com

SUBJECT: South West Millon Keynes Consortium

PROJECT: South West Millon Keynes






TITLE: Junction 6 Mitigation Layout
Bottle Dump Roundabout

| | | | | | |
|--------------|--------------------------|--------------|----|----------|------------|
| SCALE: | Drawn | Checked | SH | Approved | |
| PROJECT NO: | South West Millon Keynes | DESIGNED BY: | JS | DATE: | January 21 |
| SH/PC No: | 70069442-004 | REV: | | P05 | |
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Drawing - 8-2

DO NOT SCALE 042

-  Highway Boundary
-  Kerb Amendments
-  Carriageway Construction
-  Footway Construction
-  Verge Construction

* Note - Approach Road Half Width (V) = Entry Width (E) To Avoid Double Counting Of Flare In Lane Simulation Mode

| REV | DATE | BY | DESCRIPTION | CHK | APP |
|-----|------------|----|---------------------|-----|-----|
| P03 | 30/03/2021 | JS | Updated Annotations | SH | MP |
| P02 | 23/03/2021 | JS | UPDATED ANNOTATIONS | SH | MP |
| P01 | 02/03/2021 | JS | INITIAL LAYOUT | SH | MP |

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CLIENT: South West Milton Keynes Consortium

ARCHITECT:

PROJECT: South West Milton Keynes

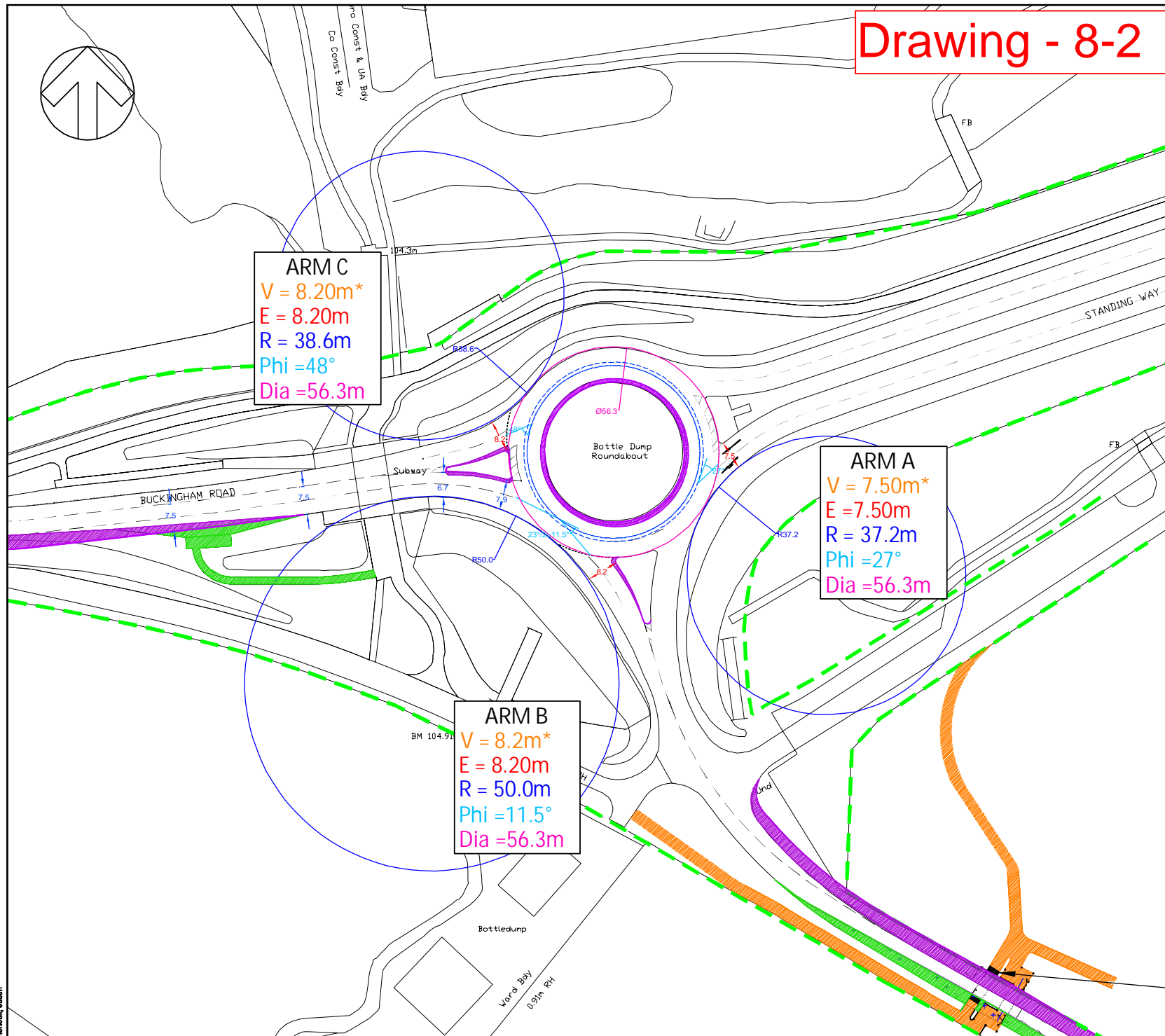
TITLE: Junction 6 Mitigation Layout
Bottle Dump Roundabout Dimensions

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| SCALE @ A1: 1:1000 | CHECKED: SH | APPROVED: MP |
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| PROJECT No: 70069442 | DESIGNED: JS | DRAWN: SMR | DATE: March 21 |
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| DRAWING No: 70069442-004-DIM | REV: P03 |
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ARM C
 V = 8.20m*
 E = 8.20m
 R = 38.6m
 Phi = 48°
 Dia = 56.3m

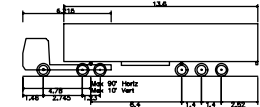
ARM A
 V = 7.50m*
 E = 7.50m
 R = 37.2m
 Phi = 27°
 Dia = 56.3m

ARM B
 V = 8.2m*
 E = 8.20m
 R = 50.0m
 Phi = 11.5°
 Dia = 56.3m

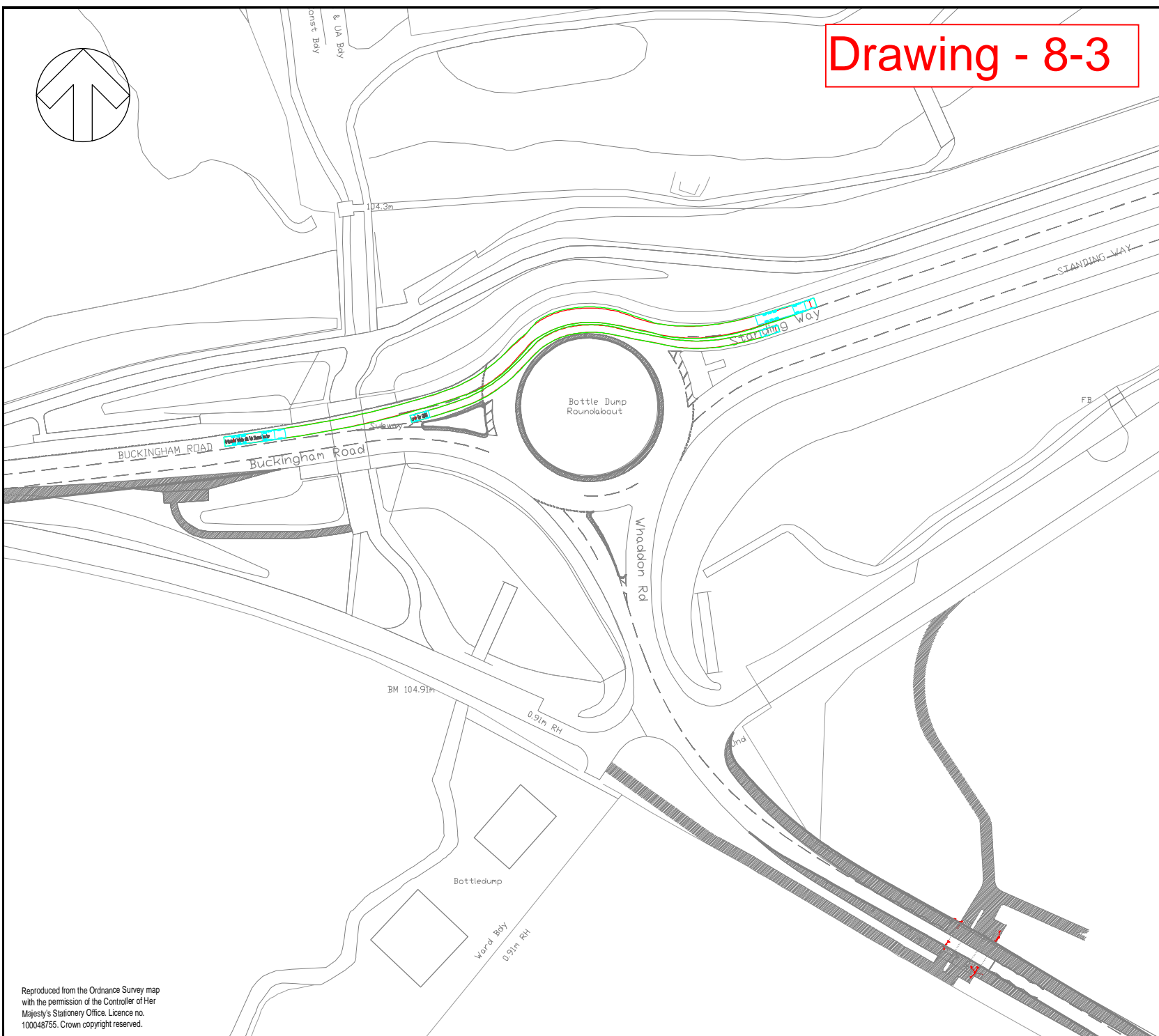
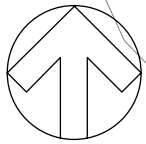
File name \\UK\WSPGROUP\CENTRAL DATA\PROJECTS\70069442 - SWMK - 202003 WRTIP TRANSPORT PLANNING\ANALYSIS\2021 JUNCTION MODELLING\MITIGATION\6-6 - BOTTLEDUMP MITIGATION\DIM P03.DWG, printed on 30 March 2021 16:06:02, by Sherlock, Justin

Drawing - 8-3

DO NOT SCALE



Articulated Vehicle with Twin Steered Tractor
 Overall Length 16.50m
 Overall Width 2.850m
 Overall Body Height 4.880m
 Min. Body Ground Clearance 0.250m
 Max. Track Width 2.500m
 Lock to lock time 6.00s
 Kerb to Kerb Turning Radius 6.959m



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| PO2 | 25/01/2021 | JK | FIRST ISSUE | JS | JS |
| REV | DATE | BY | DESCRIPTION | CHK | APP |

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CLIENT: South West Milton Keynes Consortium

ARCHITECT:

PROJECT: South West Milton Keynes

TITLE: Junction 6 - Bottle Dump Roundabout - Swept Path Analysis - 16.5m Artic

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| SCALE @ A3: 1:1000 | CHECKED: JS | APPROVED: JS |
| PROJECT NO: 70069442 | DESIGNED: JS | DRAWN: JK |
| | | DATE: January 21 |

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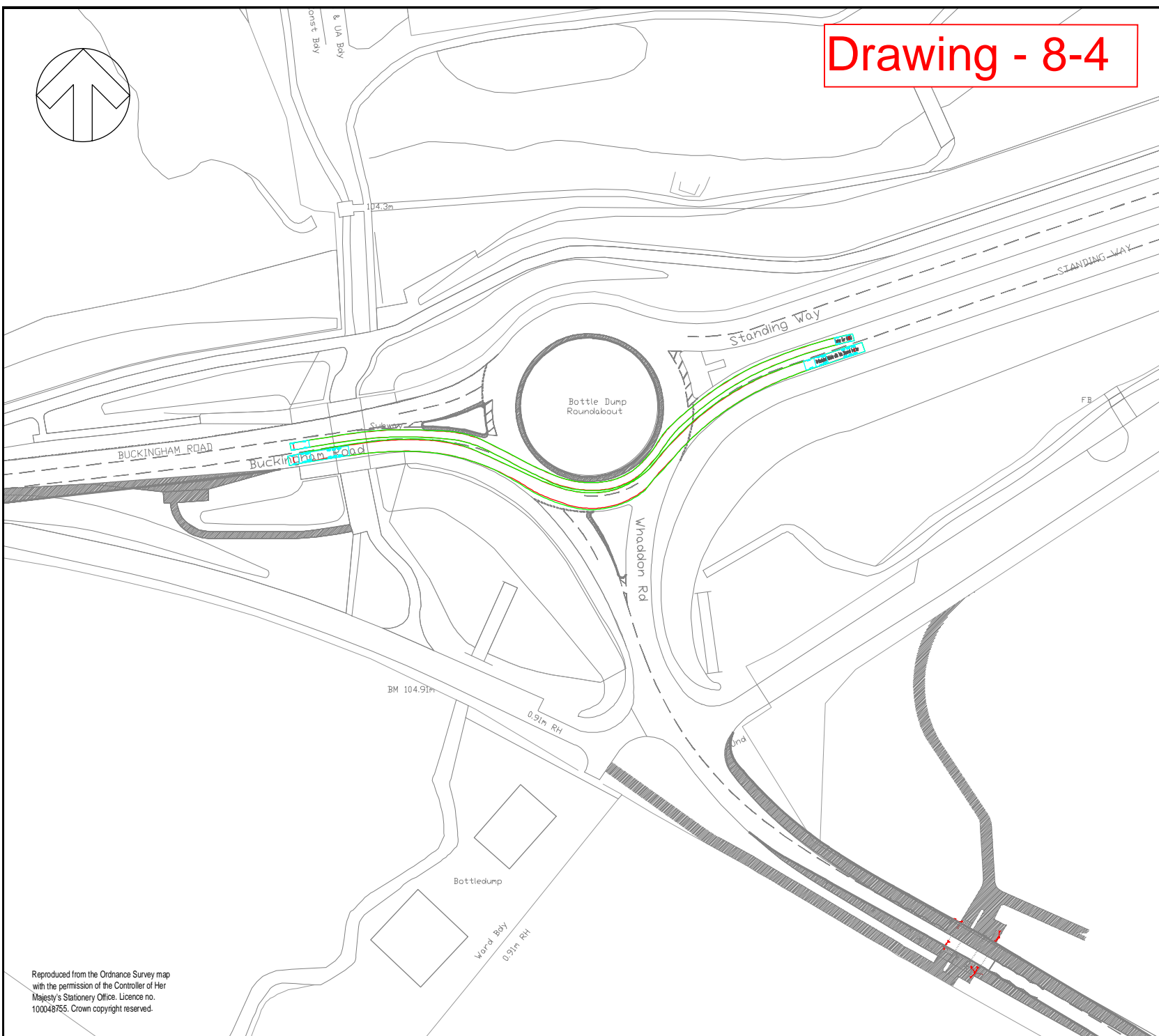
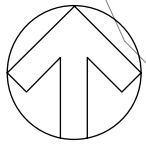
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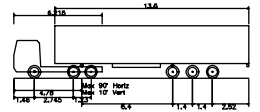
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Drawing - 8-4



DO NOT SCALE



Articulated Vehicle with Twin Steered Tractor
 Overall Length 16.20m
 Overall Width 2.85m
 Overall Body Height 4.88m
 Min. Body Ground Clearance 0.25m
 Max. Track Width 2.80m
 Lock to lock time 6.00s
 Kerb to Kerb Turning Radius 6.95m

| PO2 | 25/01/2021 | JK | FIRST ISSUE | JS | JS |
|-----|------------|----|-------------|-----|-----|
| REV | DATE | BY | DESCRIPTION | CHK | APP |

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ARCHITECT:

PROJECT: South West Milton Keynes

TITLE: Junction 6 - Bottle Dump Roundabout - Swept Path Analysis - 16.5m Artic

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| SCALE @ A3: 1:1000 | CHECKED: JS | APPROVED: JS |
| PROJECT NO: 70069442 | DESIGNED: JS | DRAWN: JK |
| | | DATE: January 21 |

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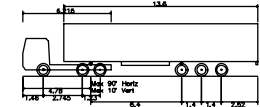
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Drawing - 8-5

DO NOT SCALE



Articulated Vehicle with Twin Steered Tractor
 Overall Length 16.50m
 Overall Width 2.850m
 Overall Body Height 4.880m
 Min. Body Ground Clearance 0.250m
 Max. Track Width 2.500m
 Lock to lock time 6.00s
 Kerb to Kerb Turning Radius 6.957m

| PO2 | 25/01/2021 | JK | FIRST ISSUE | JS | JS |
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PROJECT: South West Milton Keynes

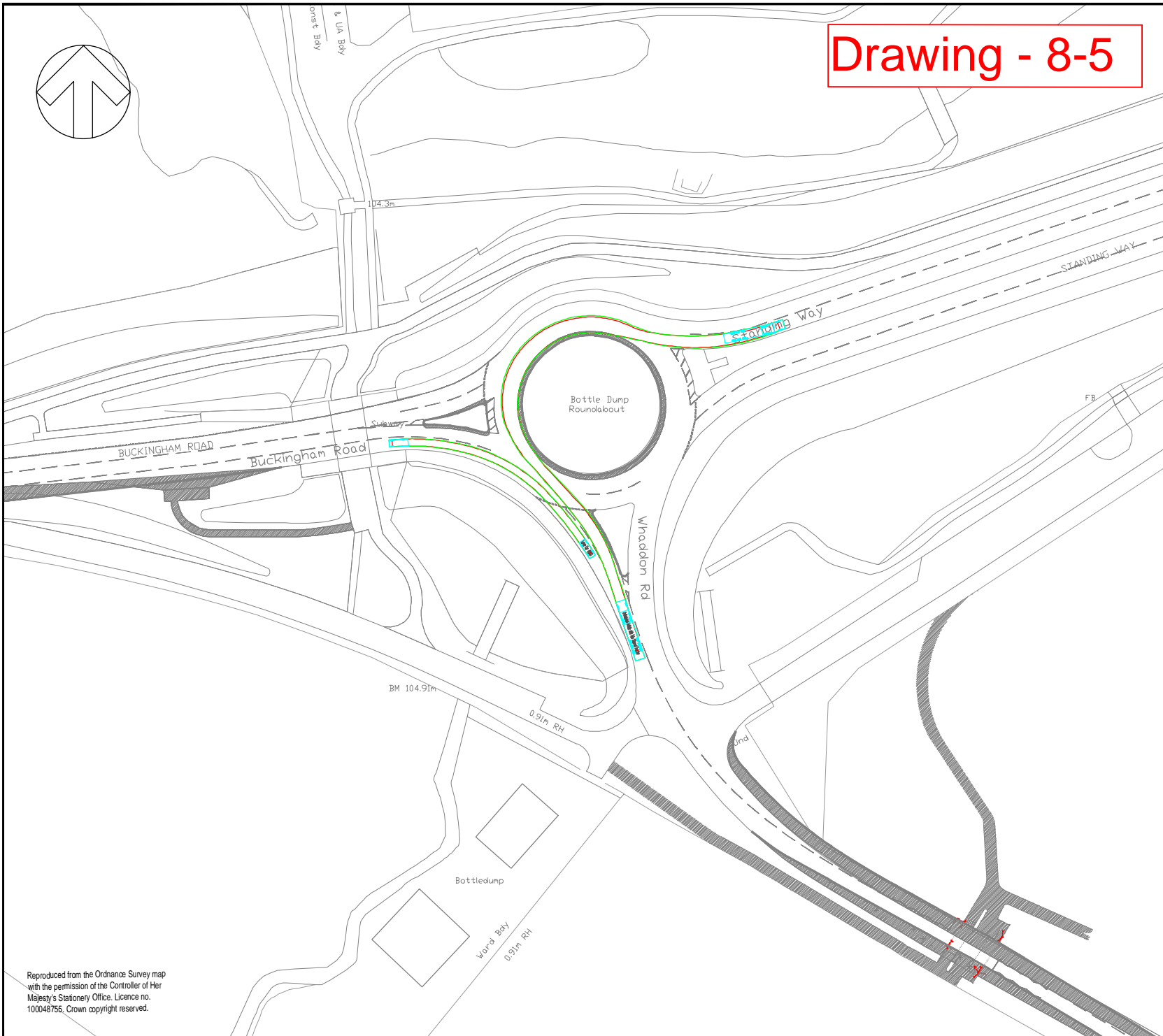
TITLE: Junction 6 - Bottle Dump Roundabout - Swept Path Analysis - 16.5m Artic

| | | |
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| SCALE @ A3: 1:1000 | CHECKED: JS | APPROVED: JS |
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| PROJECT NO: 70069442 | DESIGNED: JS | DRAWN: JK | DATE: January 21 |
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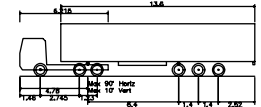


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Drawing - 8-6

DO NOT SCALE



Articulated Vehicle with Twin Steered Tractor
 Overall Length 16.50m
 Overall Width 2.850m
 Overall Body Height 4.880m
 Min. Body Ground Clearance 0.250m
 Max. Track Width 2.500m
 Lock to lock time 6.00s
 Kerb to Kerb Turning Radius 6.959m

| PO2 | 25/01/2021 | JK | FIRST ISSUE | JS | JS |
|-----|------------|----|-------------|-----|-----|
| REV | DATE | BY | DESCRIPTION | CHK | APP |

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CLIENT: South West Milton Keynes Consortium

ARCHITECT:

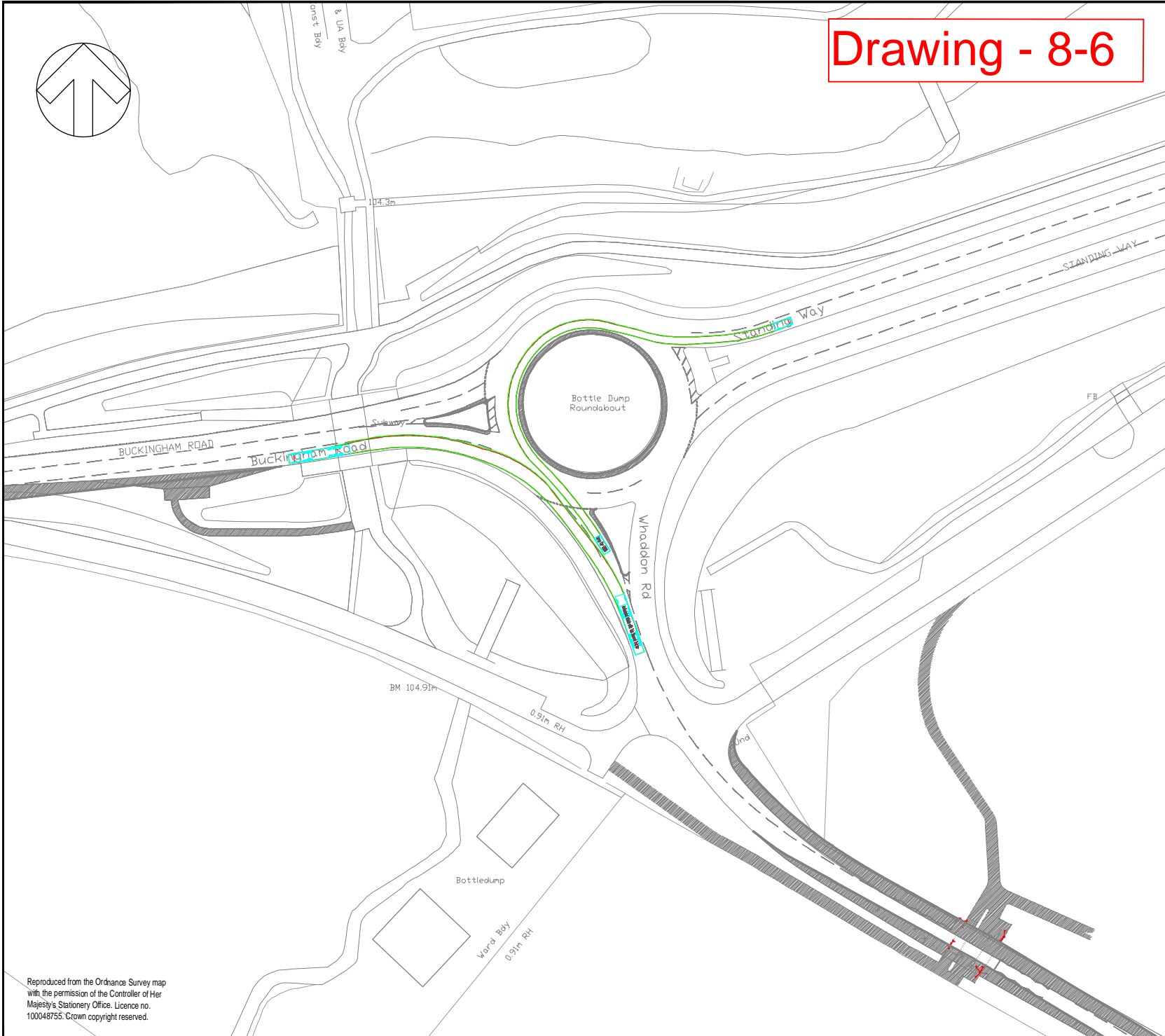
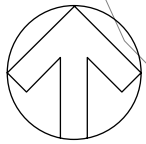
PROJECT: South West Milton Keynes

TITLE: Junction 6 - Bottle Dump Roundabout - Swept Path Analysis - 16.5m Artic

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| SCALE @ A3: 1:1000 | CHECKED: JS | APPROVED: JS |
| PROJECT NO: 70069442 | DESIGNED: JS | DRAWN: JK |
| | | DATE: January 21 |

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| DRAWING No: 70069442-004-ATR-004 | REV: P01 |
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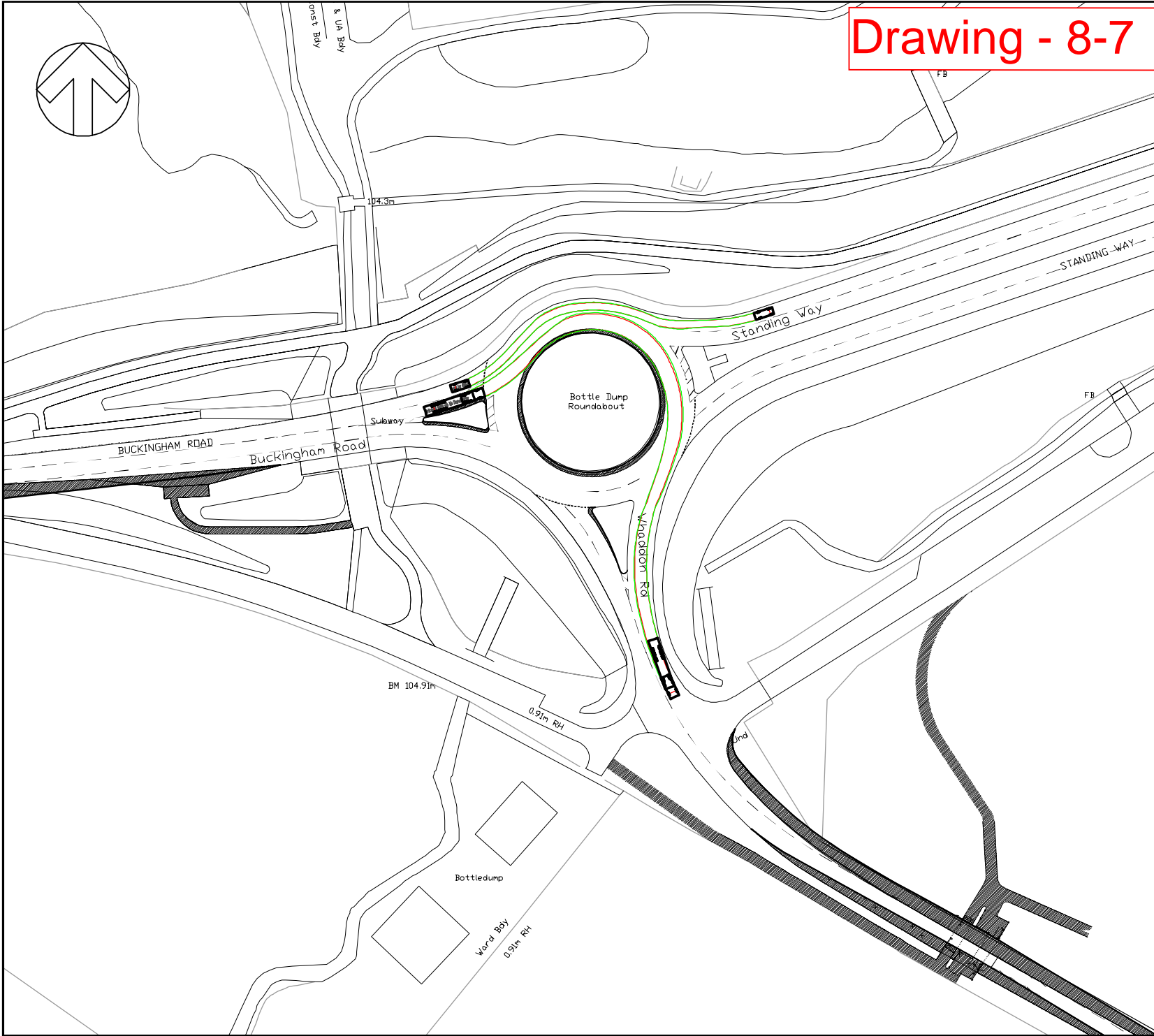
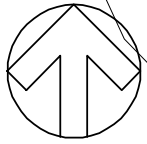
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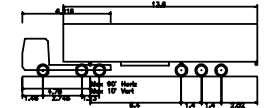
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Drawing - 8-7



DO NOT SCALE

047



Articulated Vehicle with Twin Steered Tractor
 Overall Length 13.500m
 Overall Width 2.400m
 Overall Body Height 4.300m
 Min Body Ground Clearance 0.260m
 Max Track Width 2.500m
 Lock to lock time 8.00s
 Kerb to Kerb Turning Radius 6.987m



Large Car (2006)
 Overall Length 5.079m
 Overall Width 1.872m
 Overall Body Height 1.520m
 Min Body Ground Clearance 0.310m
 Max Track Width 1.931m
 Lock to lock time 4.00s
 Kerb to Kerb Turning Radius 5.900m

| | | | | | |
|-----|------------|----|-------------|-----|-----|
| P01 | 26/04/2021 | JK | FIRST ISSUE | JS | JS |
| REV | DATE | BY | DESCRIPTION | CHK | APP |

DRAWING STATUS: S2 - FOR INFORMATION



2 London Square, Cross Lanes, Guildford, GU1 1UN, UK
 T: 44 (0) 1483 528 400
 wsp.com

CLIENT: South West Milton Keynes Consortium

ARCHITECT:

PROJECT: South West Milton Keynes

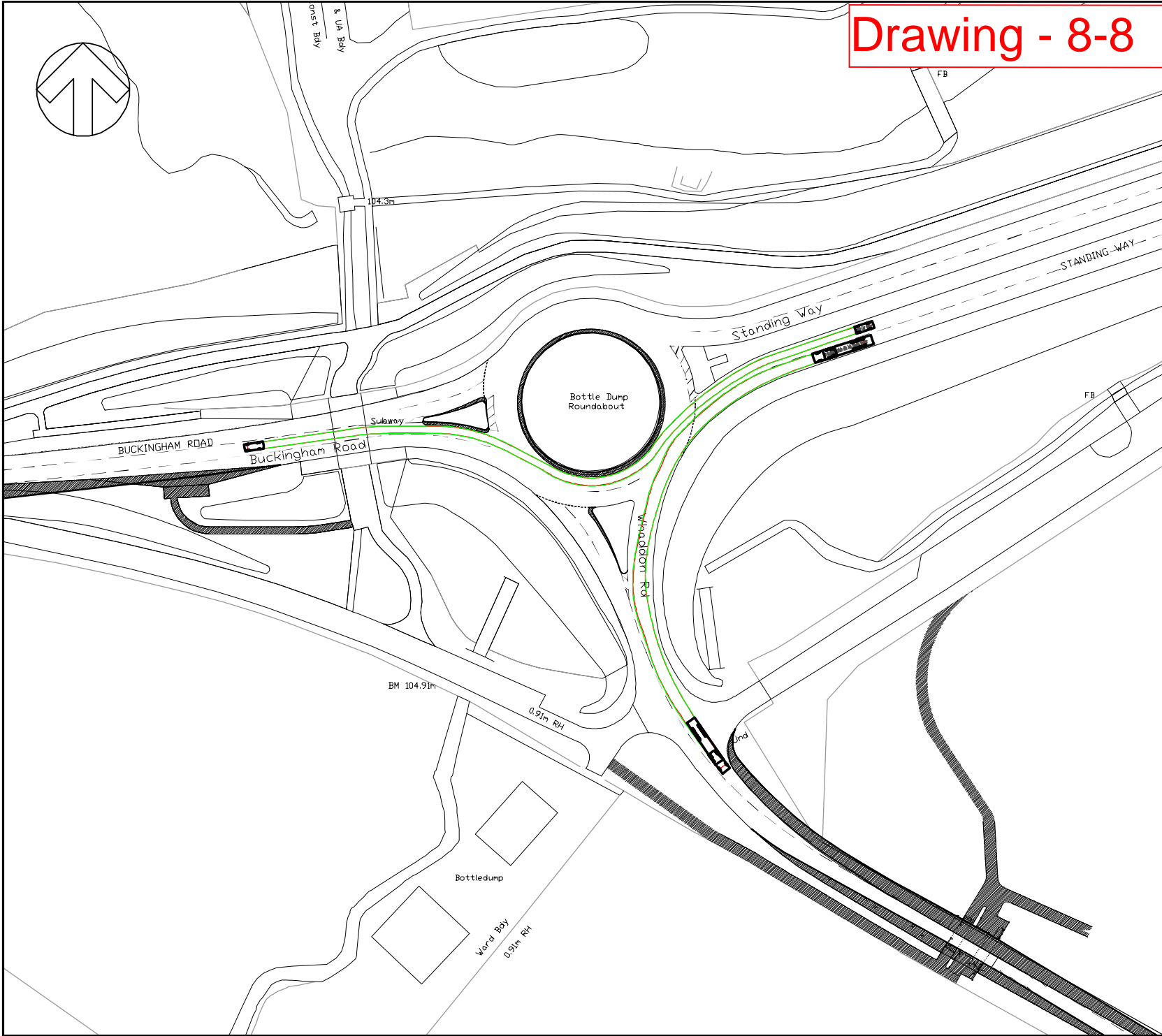
TITLE: Junction 6 - Bottle Dump Roundabout - Swept Path Analysis - 16.5m Artic

| | | |
|----------------------|--------------|----------------|
| SCALE @ A3: 1:1000 | CHECKED: JS | APPROVED: JS |
| PROJECT No: 70069442 | DESIGNED: JS | DRAWN: JK |
| | | DATE: April 21 |

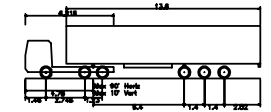
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| DRAWING No: 70069442-004-ATR-005 | REV: P01 |
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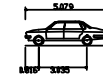
Drawing - 8-8



DO NOT SCALE



Articulated Vehicle with Twin Steered Tractor
 Overall Length 13.40m
 Overall Width 2.55m
 Overall Body Height 4.30m
 Min Body Ground Clearance 0.260m
 Max Track Width 2.55m
 Lock to lock time 8.00s
 Kerb to Kerb Turning Radius 6.987m



Large Car (2006)
 Overall Length 5.072m
 Overall Width 2.000m
 Overall Body Height 1.555m
 Min Body Ground Clearance 0.260m
 Max Track Width 1.831m
 Lock to lock time 4.00s
 Kerb to Kerb Turning Radius 5.900m

| | | | | | |
|-----|------------|----|-------------|-----|-----|
| P01 | 26/04/2021 | JK | FIRST ISSUE | JS | JS |
| REV | DATE | BY | DESCRIPTION | CHK | APP |

DRAWING STATUS: **S2 - FOR INFORMATION**

2 London Square, Cross Lanes, Guildford, GU1 1UN, UK
 T: 44 (0) 1483 528 400
 wsp.com

CLIENT: **South West Milton Keynes Consortium**

ARCHITECT:

PROJECT: **South West Milton Keynes**

TITLE: **Junction 6 - Bottle Dump Roundabout - Swept Path Analysis - 16.5m Artic**

| | | |
|--------------------------------|------------------------|------------------------|
| SCALE @ A3: 1:1000 | CHECKED: JS | APPROVED: JS |
| PROJECT No: 70069442 | DESIGNED: JS | DRAWN: JK |
| DATE: April 21 | | REV: |

DRAWING No: **70069442-004-ATR-006** REV: **P01**

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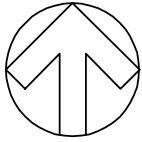
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9

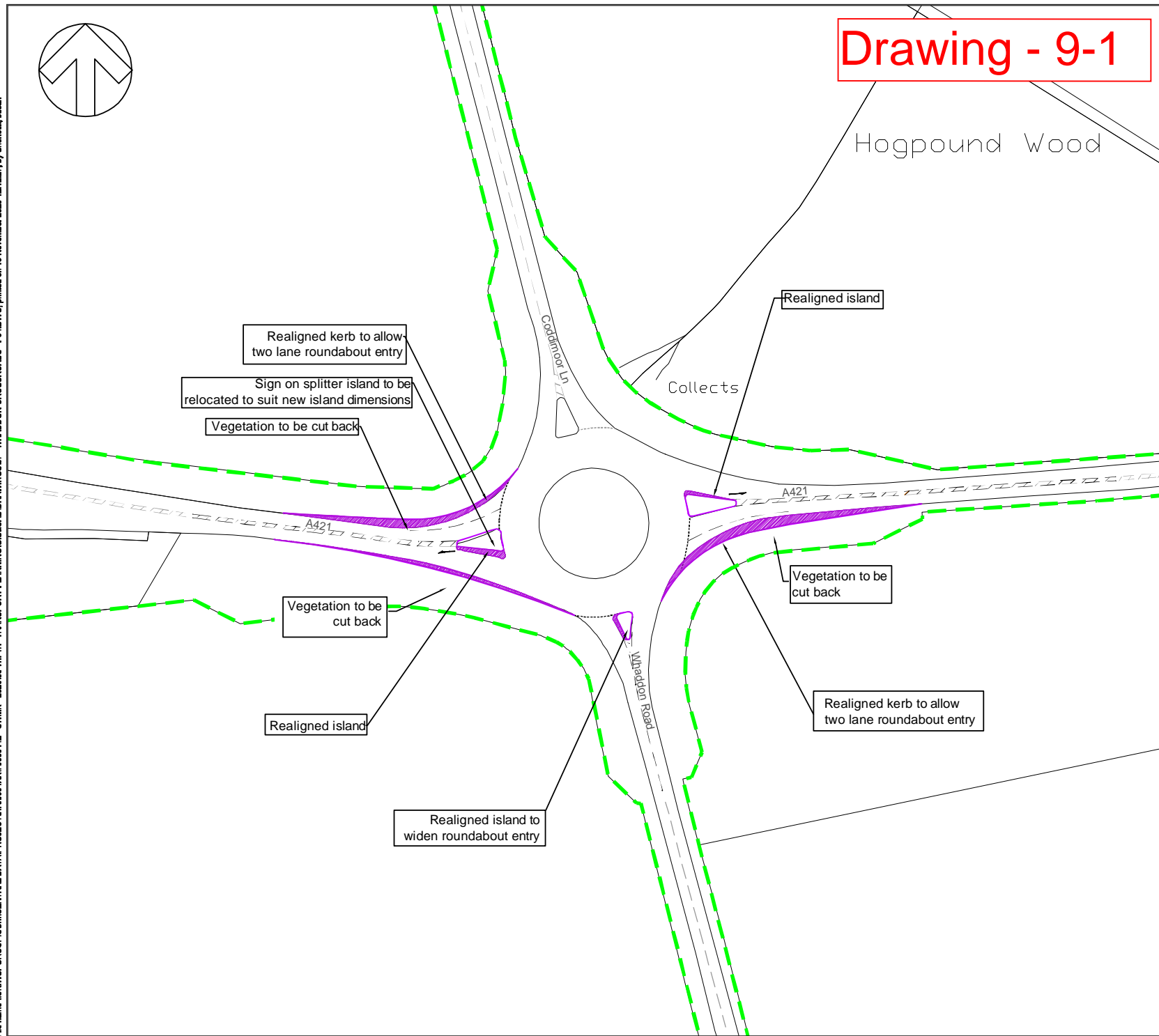
JUNCTION 7 - WHADDON CROSSROADS MITIGATION PROPOSALS



File name \\UK\WSPGROUP\CENTRAL DATA\PROJECTS\70069442 - SWMK - 2020\03 WFATP TRANSPORT PLANNING\GIS\CAD\DRAWINGS\J7 - WHADDON CROSSROADS - P04.DWG, printed on 18 November 2020 12:12:27, by Sherlock, Justin



Drawing - 9-1



DO NOT SCALE 050

| KEY | |
|-----|--------------------------|
| | Highway Boundary |
| | Kerb Amendments |
| | Carriageway Construction |
| | Verge Construction |

| REV | DATE | BY | DESCRIPTION | CHK | APP |
|-----|------------|-----|----------------|-----|-----|
| P04 | 13/11/2020 | JS | AMENDED LAYOUT | JS | SH |
| P01 | 15/05/2020 | SMR | FIRST ISSUE | JS | JS |

DRAWING STATUS: S2 - FOR INFORMATION

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CLIENT: South West Milton Keynes Consortium

ARCHITECT:

PROJECT: South West Milton Keynes

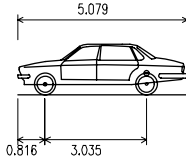
TITLE: Junction 7 Mitigation Layout
A421 Whaddon Crossroads Roundabout

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| PROJECT No: 70069442 | DESIGNED: JS | DRAWN: SET |
| DRAWING No: 70069442-005 | DATE: November 2020 | REV: P04 |

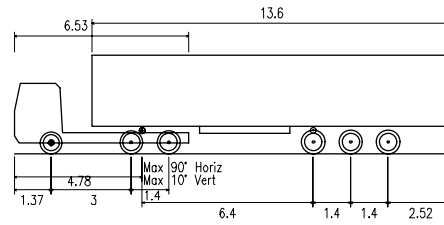
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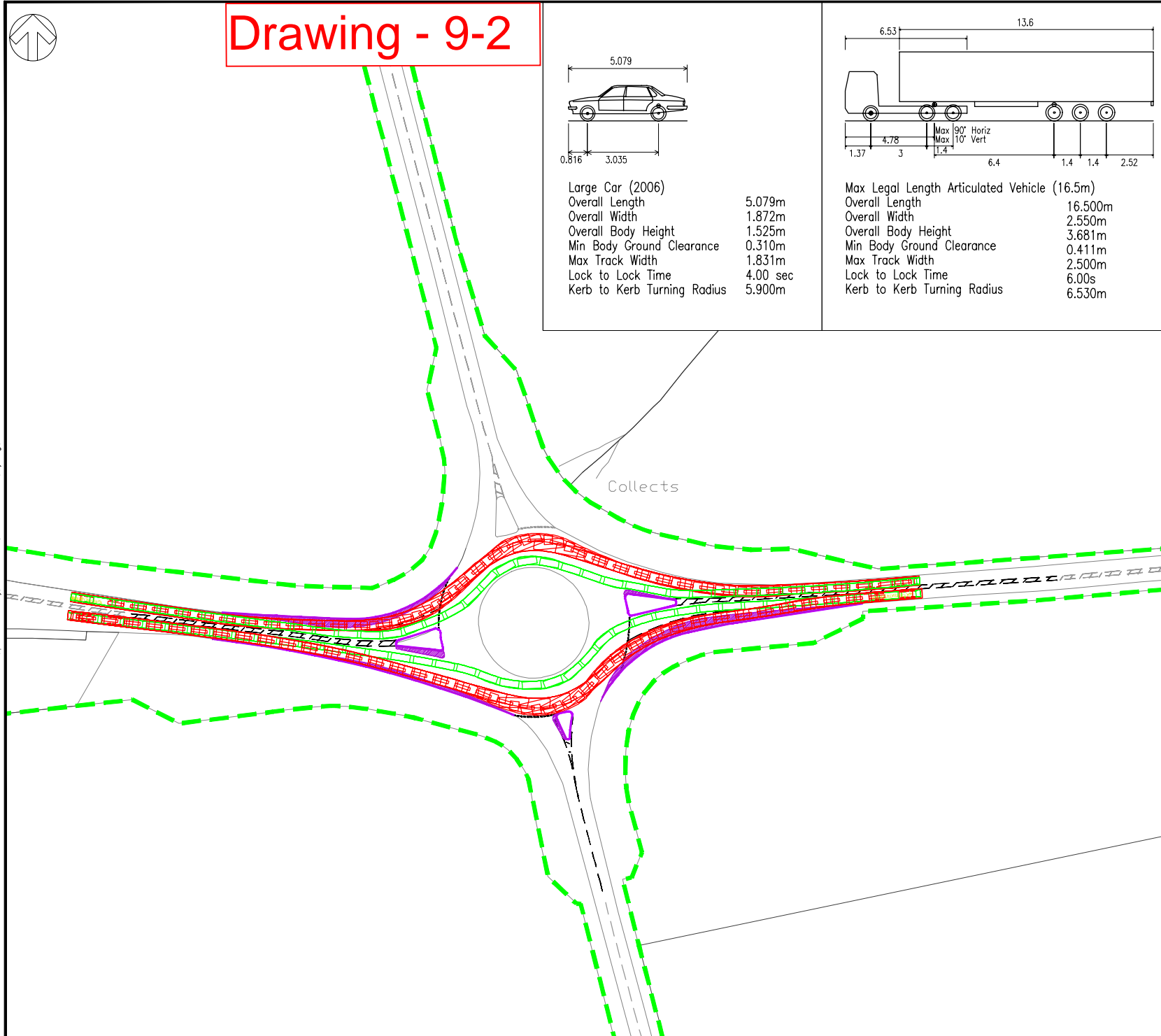
Drawing - 9-2



Large Car (2006)
 Overall Length 5.079m
 Overall Width 1.872m
 Overall Body Height 1.525m
 Min Body Ground Clearance 0.310m
 Max Track Width 1.831m
 Lock to Lock Time 4.00 sec
 Kerb to Kerb Turning Radius 5.900m



Max Legal Length 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



DO NOT SCALE 051

KEY

- Highway Boundary
- Kerb Amendments
- Carriageway Construction
- Verge Construction

| | | | | | |
|-----|------------|----|-------------|-----|-----|
| P01 | 25/11/2020 | VN | FIRST ISSUE | SH | MP |
| REV | DATE | BY | DESCRIPTION | CHK | APP |

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2 London Square, Cross Lanes, Guildford, GU1 1UN, UK
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CLIENT: South West Milton Keynes Consortium

ARCHITECT:

PROJECT: South West Milton Keynes

TITLE:
 Junction 7 Mitigation Layout
 A421 Whaddon Crossroads Roundabout
 Swept Path Analysis

| | | |
|-----------------------|----------------|-----------------|
| SCALE @ A3: 1:1000 | CHECKED: SH | APPROVED: MP |
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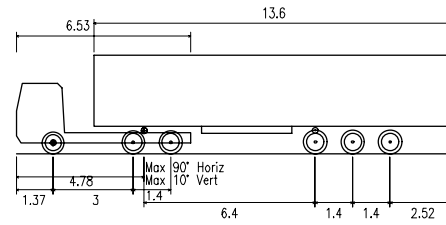
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| DRAWING No: 70069442-005-ATR1 | REV: P01 |
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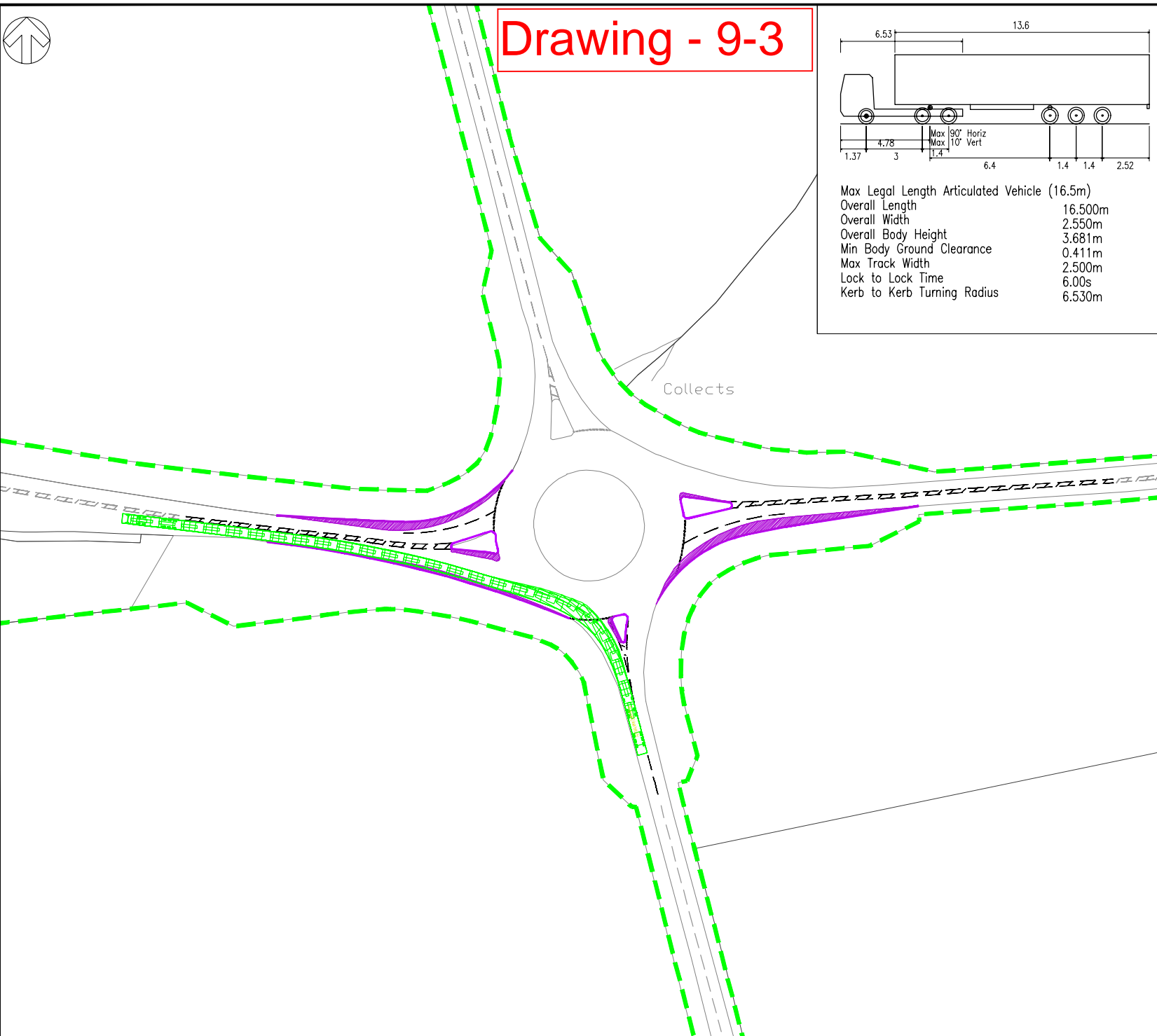
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Drawing - 9-3



Max Legal Length 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



DO NOT SCALE 052

KEY

- Highway Boundary
- Kerb Amendments
- Carriageway Construction
- Verge Construction

| | | | | | |
|-----|------------|----|-------------|-----|-----|
| P01 | 25/11/2020 | VN | FIRST ISSUE | SH | MP |
| REV | DATE | BY | DESCRIPTION | CHK | APP |

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CLIENT:
 South West Milton Keynes Consortium

ARCHITECT:

PROJECT:
 South West Milton Keynes

TITLE:
 Junction 7 Mitigation Layout
 A421 Whaddon Crossroads Roundabout
 Swept Path Analysis

| | | |
|-----------------------|----------------|-----------------|
| SCALE @ A3: 1:1000 | CHECKED: SH | APPROVED: MP |
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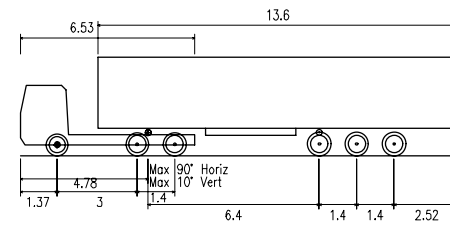
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| PROJECT No: 70069442 | DESIGNED: VN | DRAWN: VN | DATE: November 2020 |
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| DRAWING No: 70069442-005-ATR2 | REV: P01 |
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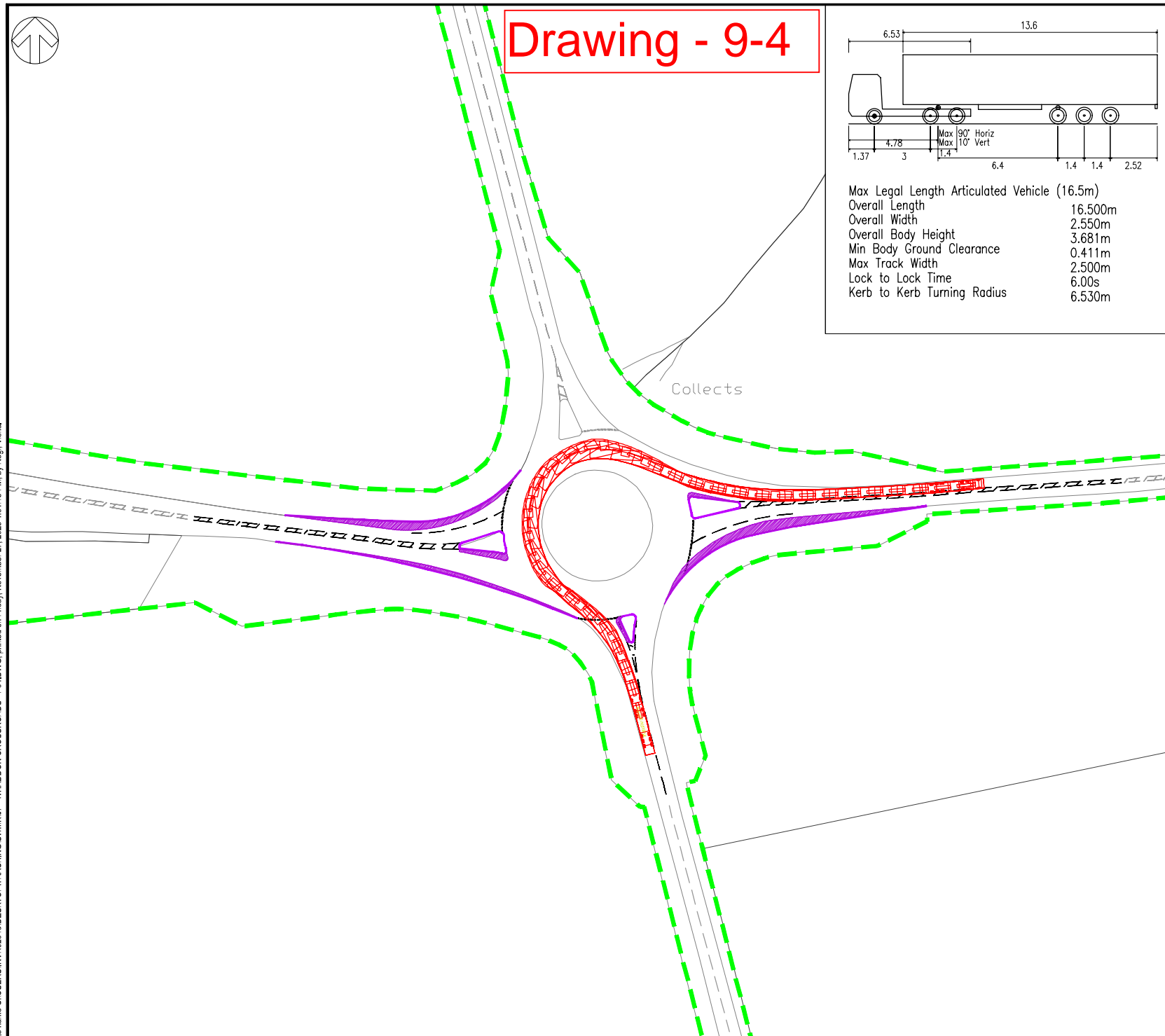
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Drawing - 9-4



Max Legal Length 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



DO NOT SCALE 053

KEY

- Highway Boundary
- Kerb Amendments
- Carriageway Construction
- Verge Construction

| | | | | | |
|-----|------------|----|-------------|-----|-----|
| P01 | 25/11/2020 | VN | FIRST ISSUE | SH | MP |
| REV | DATE | BY | DESCRIPTION | CHK | APP |

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CLIENT:
 South West Milton Keynes Consortium

ARCHITECT:

PROJECT:
 South West Milton Keynes

TITLE:
 Junction 7 Mitigation Layout
 A421 Whaddon Crossroads Roundabout
 Swept Path Analysis

| | | |
|-----------------------|----------------|-----------------|
| SCALE @ A3: 1:1000 | CHECKED: SH | APPROVED: MP |
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|-------------------------|-----------------|--------------|------------------------|
| PROJECT No: 70069442 | DESIGNED: VN | DRAWN: VN | DATE: November 2020 |
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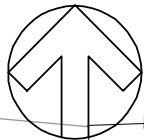
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10

JUNCTION 8 - A421/WARREN ROAD MITIGATION PROPOSALS



File name \\UK\WSPGROUP\COMMON\CENTRAL DATA\PROJECTS\70069442\0069442 - SWMK - 202003 WPMTP TRANSPORT PLANNING\GIS\CAD\DRAWINGS\J8 - P02.DWG, printed on 19 November 2020 11:40:01, by Shewcock, Justin

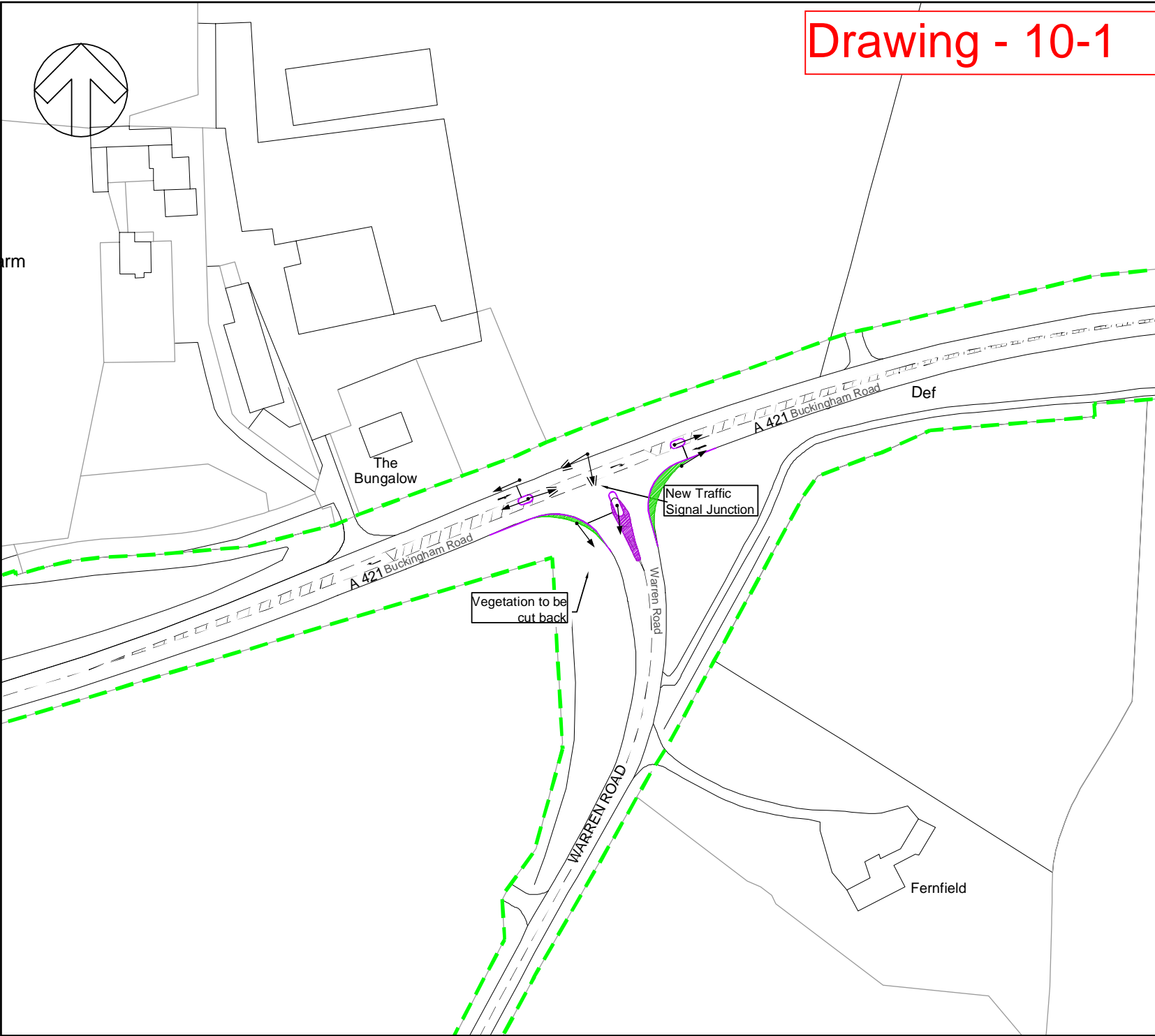


Drawing - 10-1

DO NOT SCALE 055

KEY

- Highway Boundary
- Kerb Amendments
- Carriageway Construction
- Verge Construction



| REV | DATE | BY | DESCRIPTION | CHK | APP |
|-----|------------|-----|----------------|-----|-----|
| P02 | 18/11/2020 | JS | AMENDED LAYOUT | SH | MJP |
| P01 | 15/05/2020 | SMR | FIRST ISSUE | JS | JS |

DRAWING STATUS: S2 - FOR INFORMATION

2 London Square, Cross Lanes, Guildford, GU1 1UN, UK
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CLIENT: South West Milton Keynes Consortium

ARCHITECT:

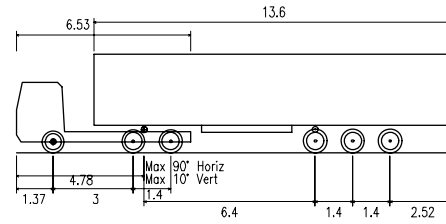
PROJECT: South West Milton Keynes

TITLE: Junction 8 A421/Warren Road
Traffic Signal Mitigation
Layout

| | | |
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| SCALE @ A1: 1:500 | CHECKED: JS | APPROVED: JS |
| PROJECT No: 70069442 | DESIGNED: JS | DRAWN: SMR |
| | | DATE: November 2020 |
| DRAWING No: 70069442-006 | REV: P02 | |



Drawing - 10-2

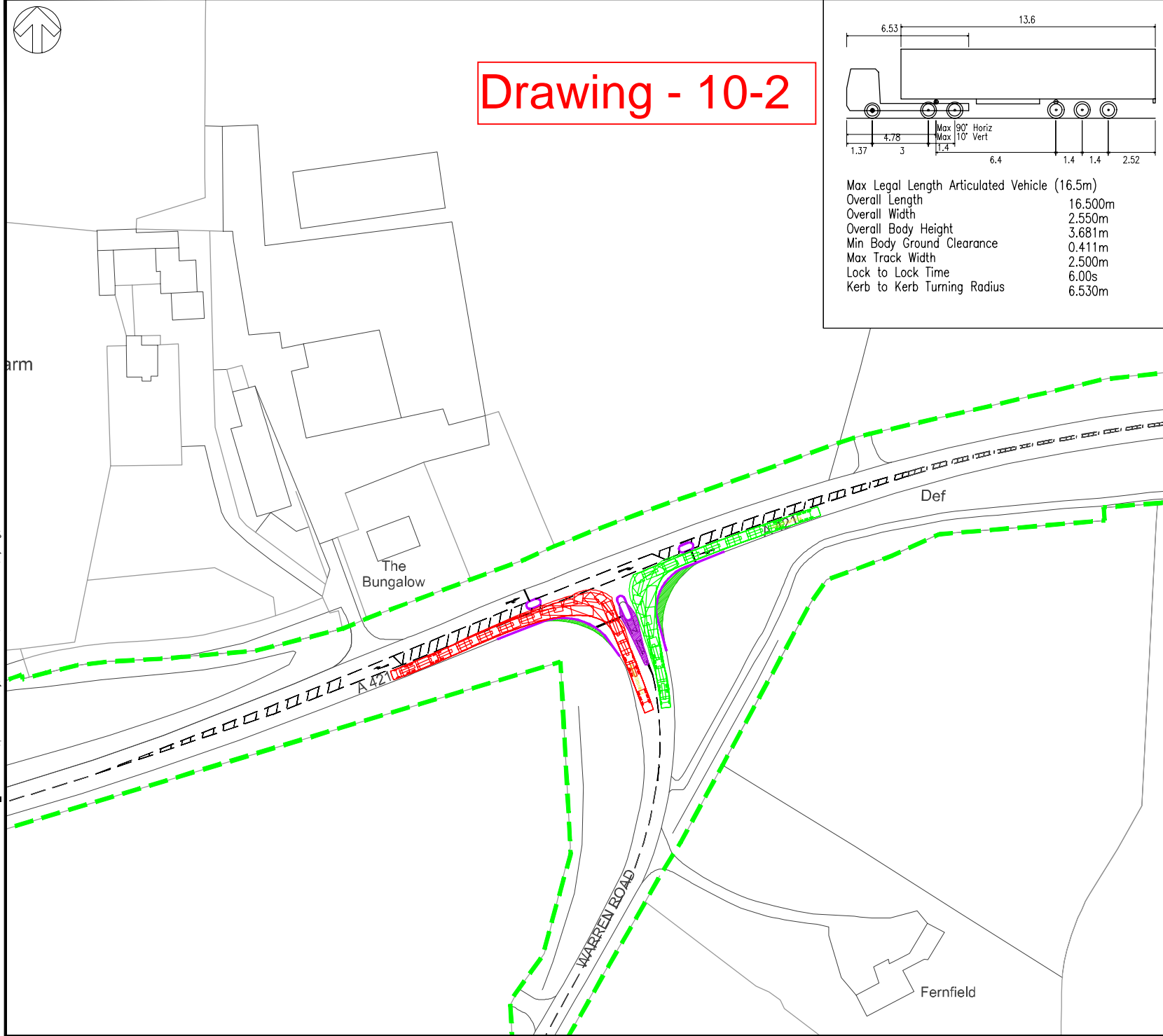


Max Legal Length Articulated Vehicle (16.5m)
 Overall Length 16.500m
 Overall Width 2.550m
 Overall Body Height 3.681m
 Min Body Ground Clearance 0.411m
 Max Track Width 2.500m
 Lock to Lock Time 6.00s
 Kerb to Kerb Turning Radius 6.530m

DO NOT SCALE 056

KEY

- Highway Boundary
- Kerb Amendments
- Carriageway Construction
- Verge Construction



| | | | | | |
|-----|------------|----|-------------|-----|-----|
| P01 | 25/11/2020 | VN | FIRST ISSUE | SH | MP |
| REV | DATE | BY | DESCRIPTION | CHK | APP |

DRAWING STATUS: **S2 - FOR INFORMATION**

2 London Square, Cross Lanes, Guildford, GU1 1UN, UK
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 wsp.com

CLIENT: South West Milton Keynes Consortium

ARCHITECT:

PROJECT: South West Milton Keynes

TITLE: Junction 8 A421/Warren Road
 Traffic Signal Mitigation Layout
 Swept Path Analysis

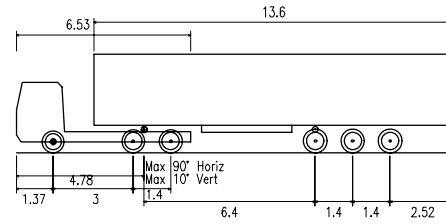
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| | | DATE: November 2020 |
| DRAWING No: 70069442-006-ATR1 | | REV: P01 |

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Drawing - 10-3



Max Legal Length 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

DO NOT SCALE 057

KEY

- Highway Boundary
- Kerb Amendments
- Carriageway Construction
- Verge Construction

rk Hill Farm

The Bungalow

Def

WARREN ROAD

Fernfield

| | | | | | |
|-----|------------|----|-------------|-----|-----|
| P01 | 25/11/2020 | VN | FIRST ISSUE | SH | MP |
| REV | DATE | BY | DESCRIPTION | CHK | APP |

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CLIENT: South West Milton Keynes Consortium

ARCHITECT:

PROJECT: South West Milton Keynes

TITLE: Junction 8 A421/Warren Road
 Traffic Signal Mitigation Layout
 Swept Path Analysis

| | | |
|--------------------|-------------|--------------|
| SCALE @ A3: 1:1000 | CHECKED: SH | APPROVED: MP |
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| PROJECT No: 70069442 | DESIGNED: VN | DRAWN: VN | DATE: November 2020 |
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| DRAWING No: 70069442-006-ATR2 | REV: P01 |
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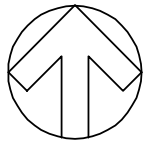
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11

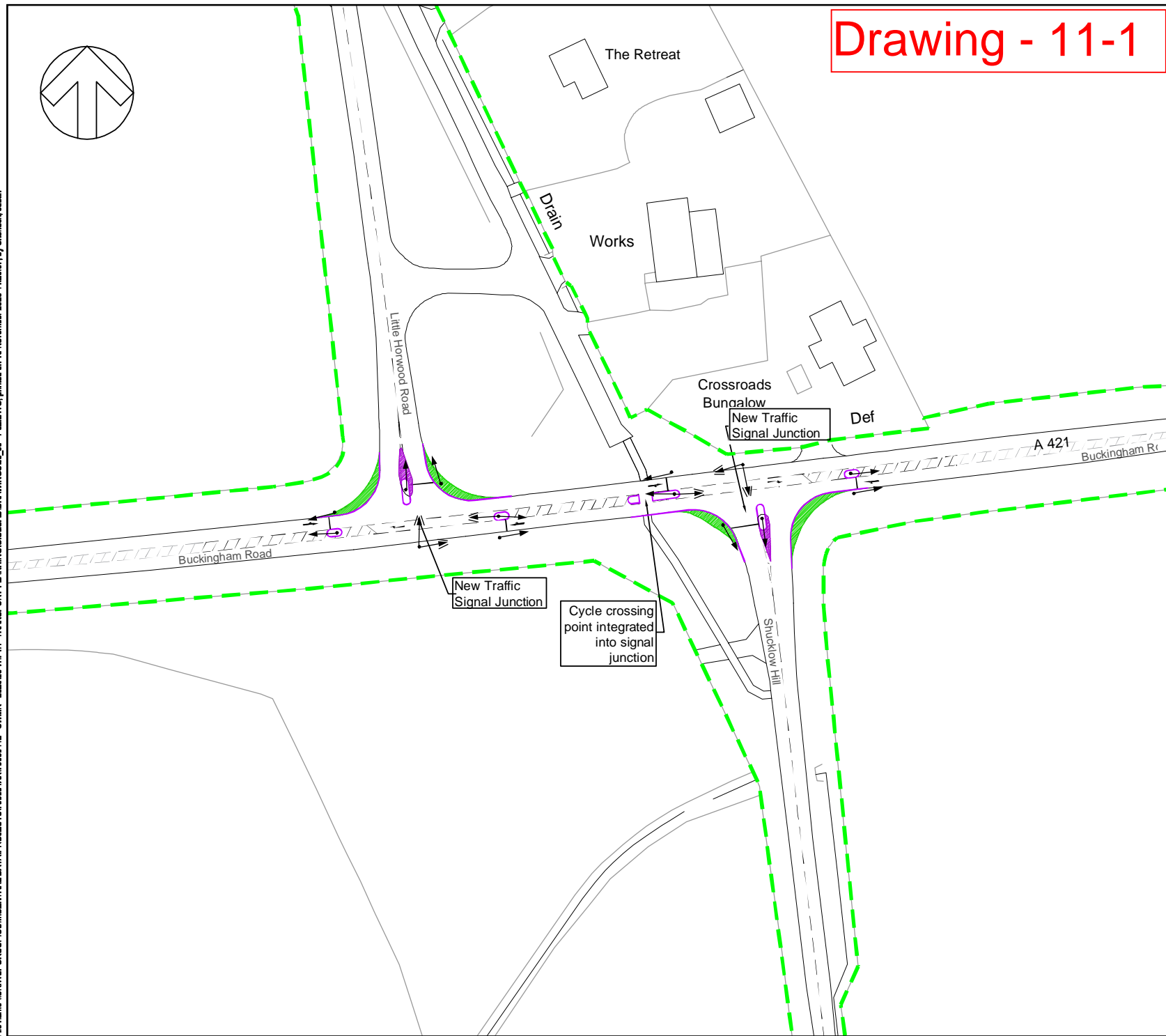
JUNCTION 9 - A421/SHUCKLOW HILL MITIGATION PROPOSALS



File name \\UK\WSPGROUP\PROJECTS\70069442\DRAWINGS\CAD\DRAWINGS\18 - P12.DWG, printed on 19 November 2020 11:26:07, by Shaulcock, Justin



Drawing - 11-1



DO NOT SCALE 059

KEY

- Highway Boundary
- Kerb Amendments
- Carriageway Construction
- Verge Construction

| REV | DATE | BY | DESCRIPTION | CHK | APP |
|-----|------------|-----|----------------|-----|-----|
| P02 | 18/11/2020 | JS | AMENDED LAYOUT | SH | MJP |
| P01 | 15/05/2020 | SMR | FIRST ISSUE | JS | JS |

DRAWING STATUS: S2 - FOR INFORMATION



2 London Square, Cross Lanes, Guildford, GU1 1UN, UK
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CLIENT: South West Milton Keynes Consortium

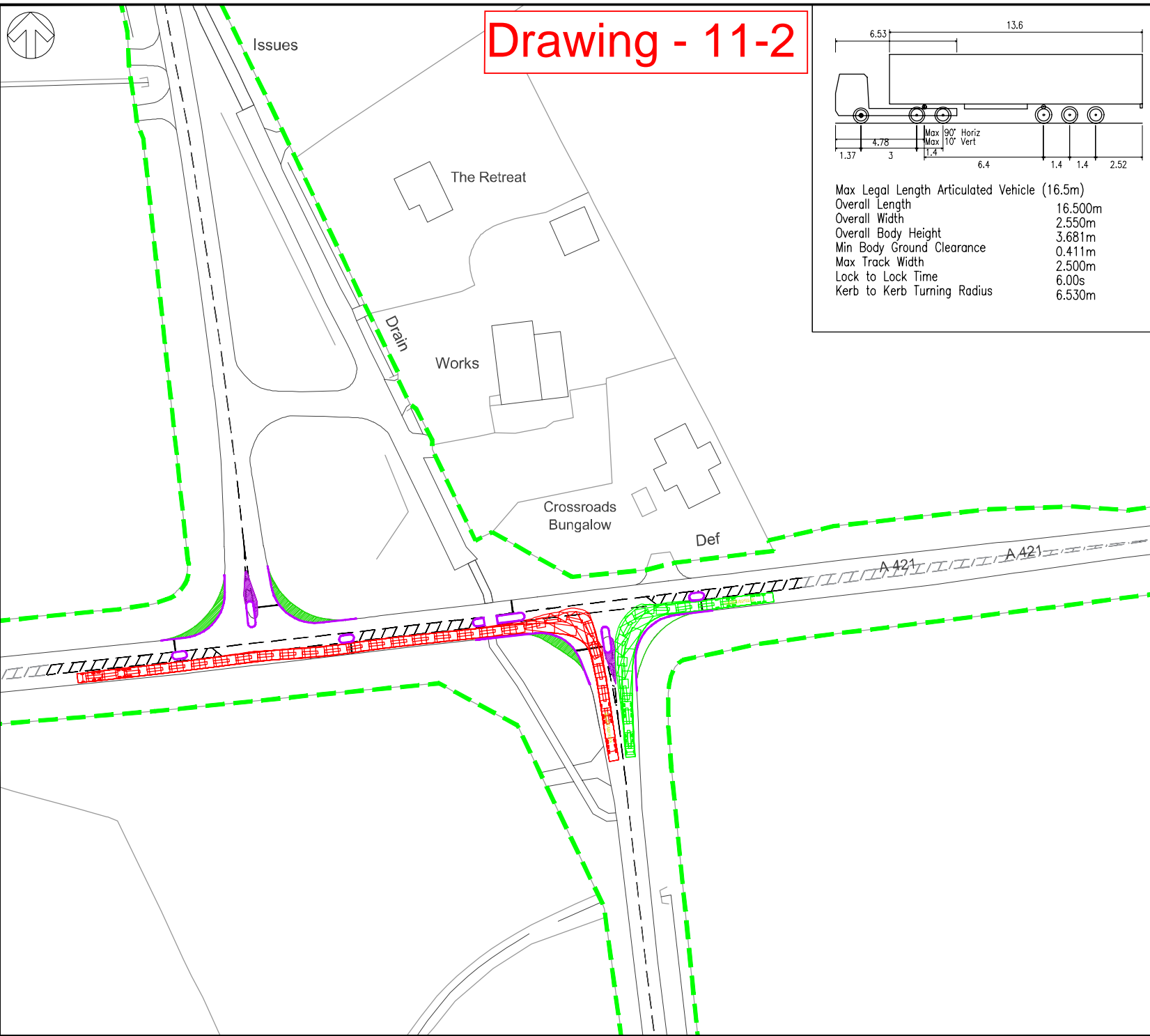
ARCHITECT:

PROJECT: South West Milton Keynes

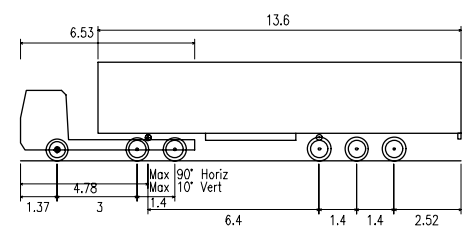
TITLE: Junction 9 A421/Shucklow Hill/Little Horwood Road Traffic Signal Layout

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|-----------------------------|-----------------|----------------------|
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| PROJECT No: 70069442 | DESIGNED: JS | DRAWN: SMR |
| | | DATE: November 20 |
| DRAWING No: 70069442-007 | | REV: P02 |

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Drawing - 11-2



Max Legal Length 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

DO NOT SCALE 060

KEY

- - - - - Highway Boundary
- — — — — Kerb Amendments
- Carriageway Construction
- Verge Construction

| | | | | | |
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| P01 | 25/11/2020 | VN | FIRST ISSUE | SH | MP |
| REV | DATE | BY | DESCRIPTION | CHK | APP |

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2 London Square, Cross Lanes, Guildford, GU1 1UN, UK
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CLIENT: South West Milton Keynes Consortium

ARCHITECT:

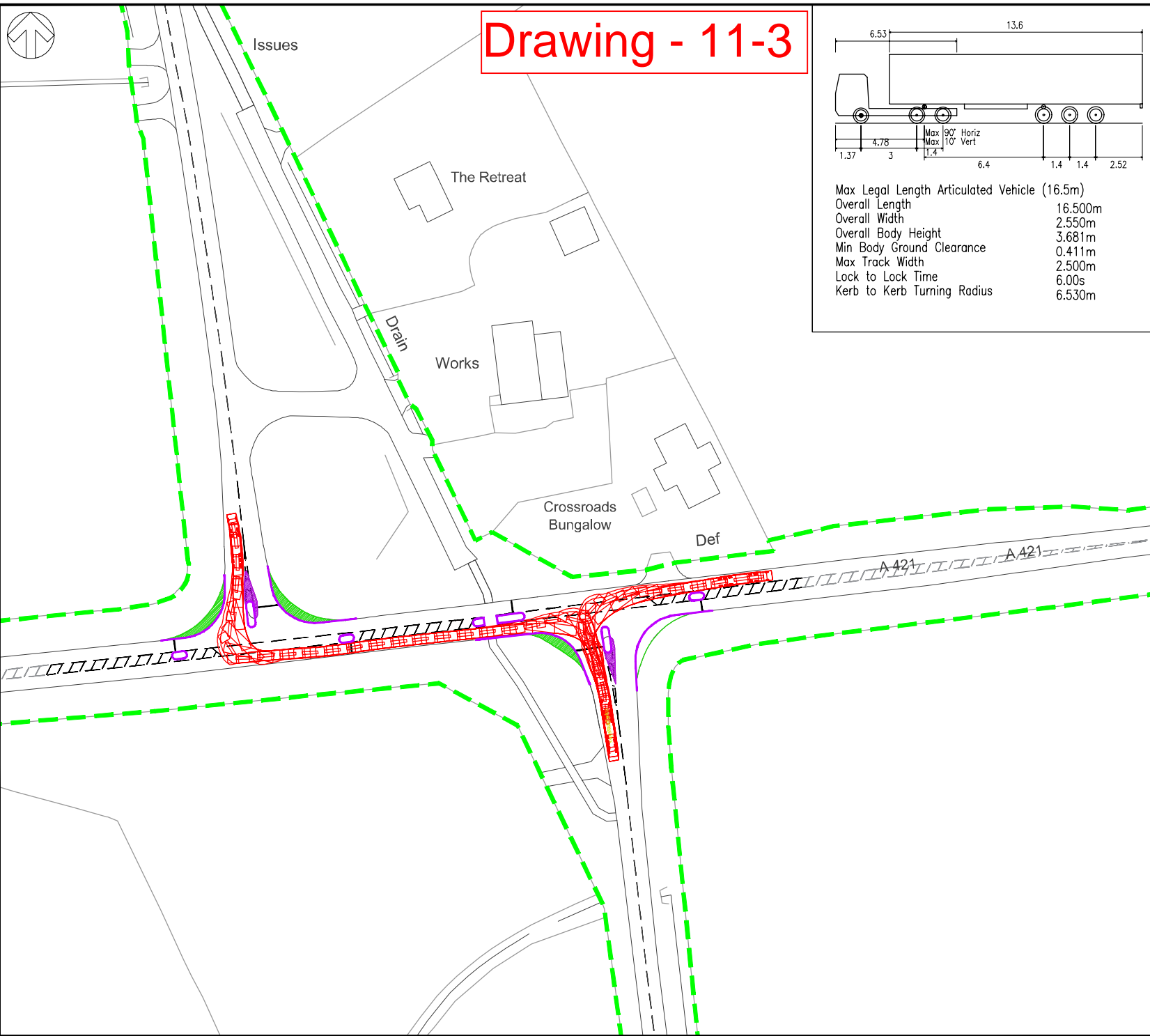
PROJECT: South West Milton Keynes

TITLE: Junction 9 A421 Shucklow Hill/Little Horwood Road Traffic Signal Layout Swept Path Analysis

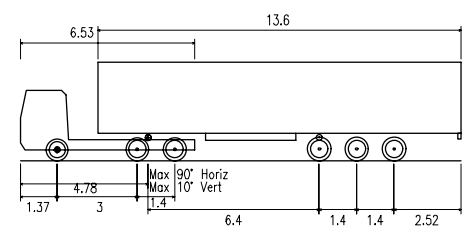
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| | | DATE: November 2020 |
| DRAWING No: 70069442-007-ATR1 | | REV: P01 |

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Drawing - 11-3



Max Legal Length 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

DO NOT SCALE 061

KEY

- - - - - Highway Boundary
- — — — — Kerb Amendments
- Carriageway Construction
- Verge Construction

| | | | | | |
|-----|------------|----|-------------|-----|-----|
| P01 | 25/11/2020 | VN | FIRST ISSUE | SH | MP |
| REV | DATE | BY | DESCRIPTION | CHK | APP |

DRAWING STATUS: **S2 - FOR INFORMATION**

2 London Square, Cross Lanes, Guildford, GU1 1UN, UK
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 wsp.com

CLIENT: South West Milton Keynes Consortium

ARCHITECT:

PROJECT: South West Milton Keynes

TITLE: Junction 9 A421 Shucklow Hill/Little Horwood Road Traffic Signal Layout Swept Path Analysis

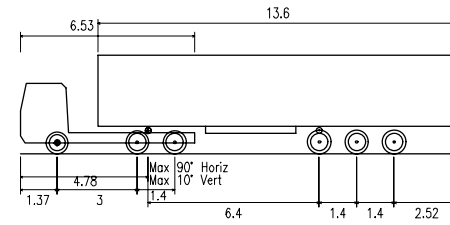
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| SCALE @ A3: 1:1000 | CHECKED: SH | APPROVED: MP | |
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| DRAWING No: 70069442-007-ATR2 | | | REV: P01 |

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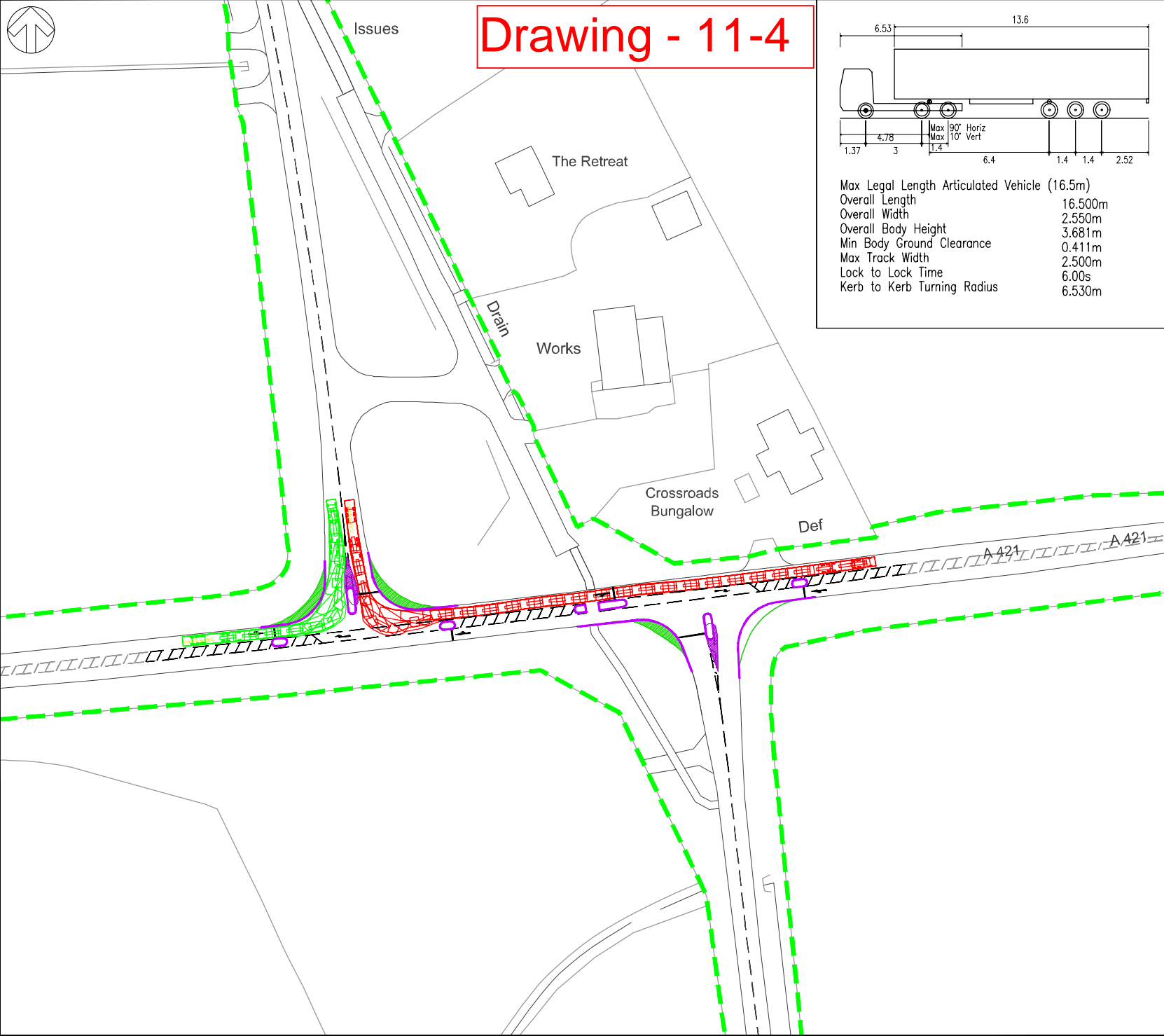
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Drawing - 11-4



Max Legal Length 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



DO NOT SCALE 062

KEY

- Highway Boundary
- Kerb Amendments
- Carriageway Construction
- Verge Construction

| | | | | | |
|-----|------------|----|-------------|-----|-----|
| P01 | 25/11/2020 | VN | FIRST ISSUE | SH | MP |
| REV | DATE | BY | DESCRIPTION | CHK | APP |

DRAWING STATUS: S2 - FOR INFORMATION

2 London Square, Cross Lanes, Guildford, GU1 1UN, UK
 T+ 44 (0) 1483 528 400
 wsp.com

CLIENT: South West Milton Keynes Consortium

ARCHITECT:

PROJECT: South West Milton Keynes

TITLE: Junction 9 A421/Shucklow Hill/Little Horwood Road
Traffic Signal Layout
Swept Path Analysis

| | | |
|--------------------|-------------|--------------|
| SCALE @ A3: 1:1000 | CHECKED: SH | APPROVED: MP |
|--------------------|-------------|--------------|

| | | | |
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| PROJECT No: 70069442 | DESIGNED: VN | DRAWN: VN | DATE: November 20 |
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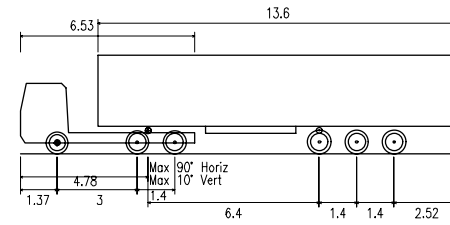
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| DRAWING No: 70069442-007-ATR3 | REV: P01 |
|-------------------------------|----------|

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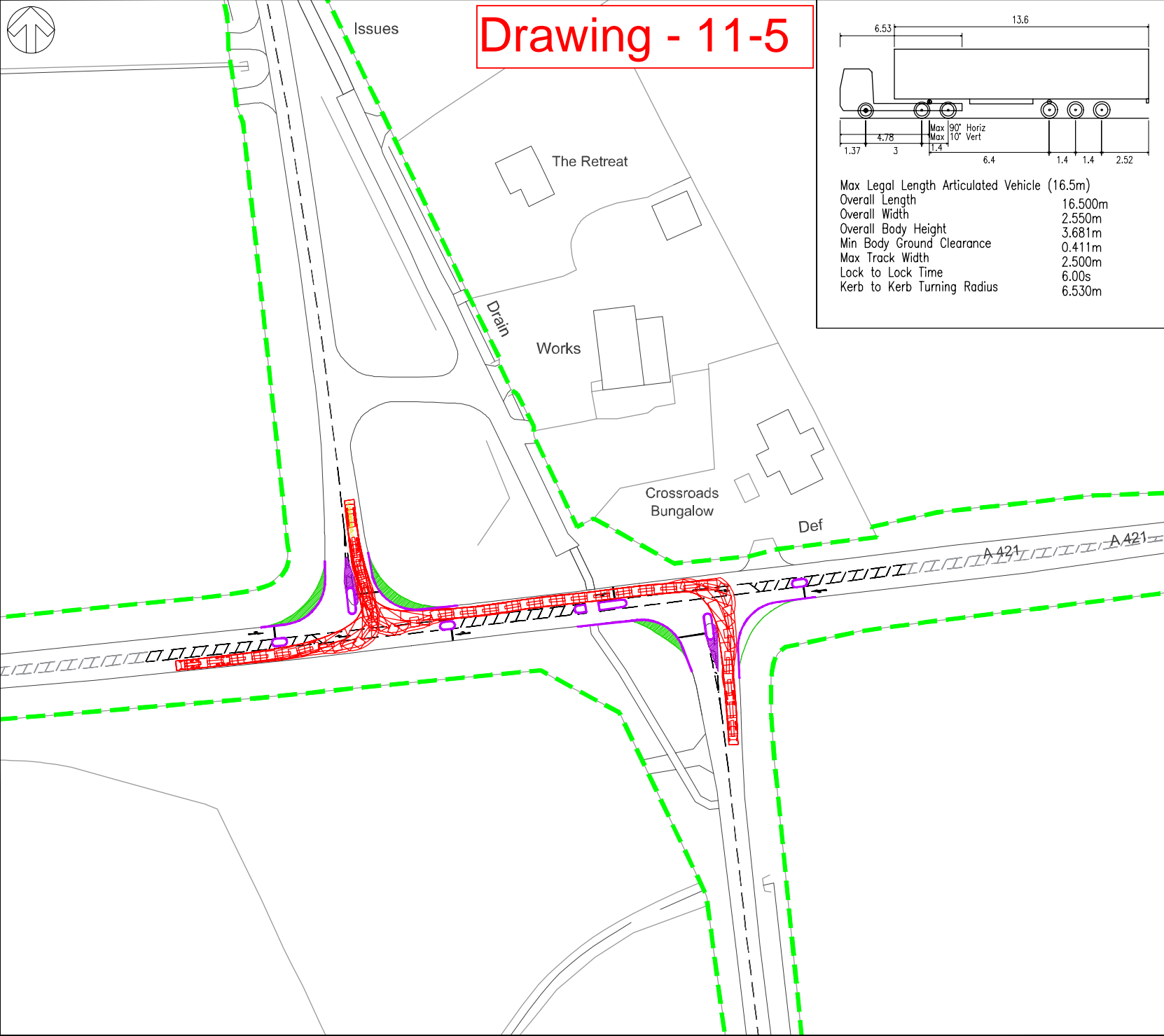
File name C:\USERS\N\N02845\DESKTOP\TRACKINGS\M\K1\08_10_20-P02 ATR.DWG, printed on Friday, November 27, 2020 3:18:27 PM, by Negi Vishal



Drawing - 11-5



Max Legal Length 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



DO NOT SCALE 063

KEY

- Highway Boundary
- Kerb Amendments
- Carriageway Construction
- Verge Construction

| | | | | | |
|-----|------------|----|-------------|-----|-----|
| P01 | 25/11/2020 | VN | FIRST ISSUE | SH | MP |
| REV | DATE | BY | DESCRIPTION | CHK | APP |

DRAWING STATUS: S2 - FOR INFORMATION

2 London Square, Cross Lanes, Guildford, GU1 1UN, UK
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 wsp.com

CLIENT: South West Milton Keynes Consortium

ARCHITECT:

PROJECT: South West Milton Keynes

TITLE: Junction 9 A421/Shucklow Hill/Little Horwood Road
Traffic Signal Layout
Swept Path Analysis

| | | |
|--------------------|-------------|--------------|
| SCALE @ A3: 1:1000 | CHECKED: SH | APPROVED: MP |
|--------------------|-------------|--------------|

| | | | |
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| PROJECT No: 70069442 | DESIGNED: VN | DRAWN: VN | DATE: November 20 |
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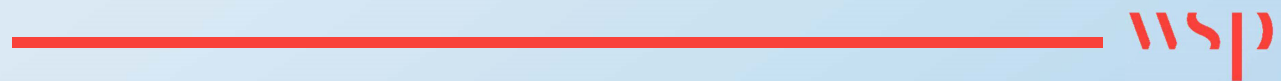
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| DRAWING No: 70069442-007-ATR4 | REV: P01 |
|-------------------------------|----------|

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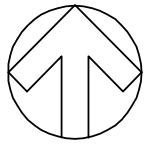
File name C:\USERS\N\2845\DESKTOP\TRACKINGS\M\K\J8_J8_P02 ATR.DWG, printed on Friday, November 27, 2020 3:18:48 PM, by Negi Vishal

12

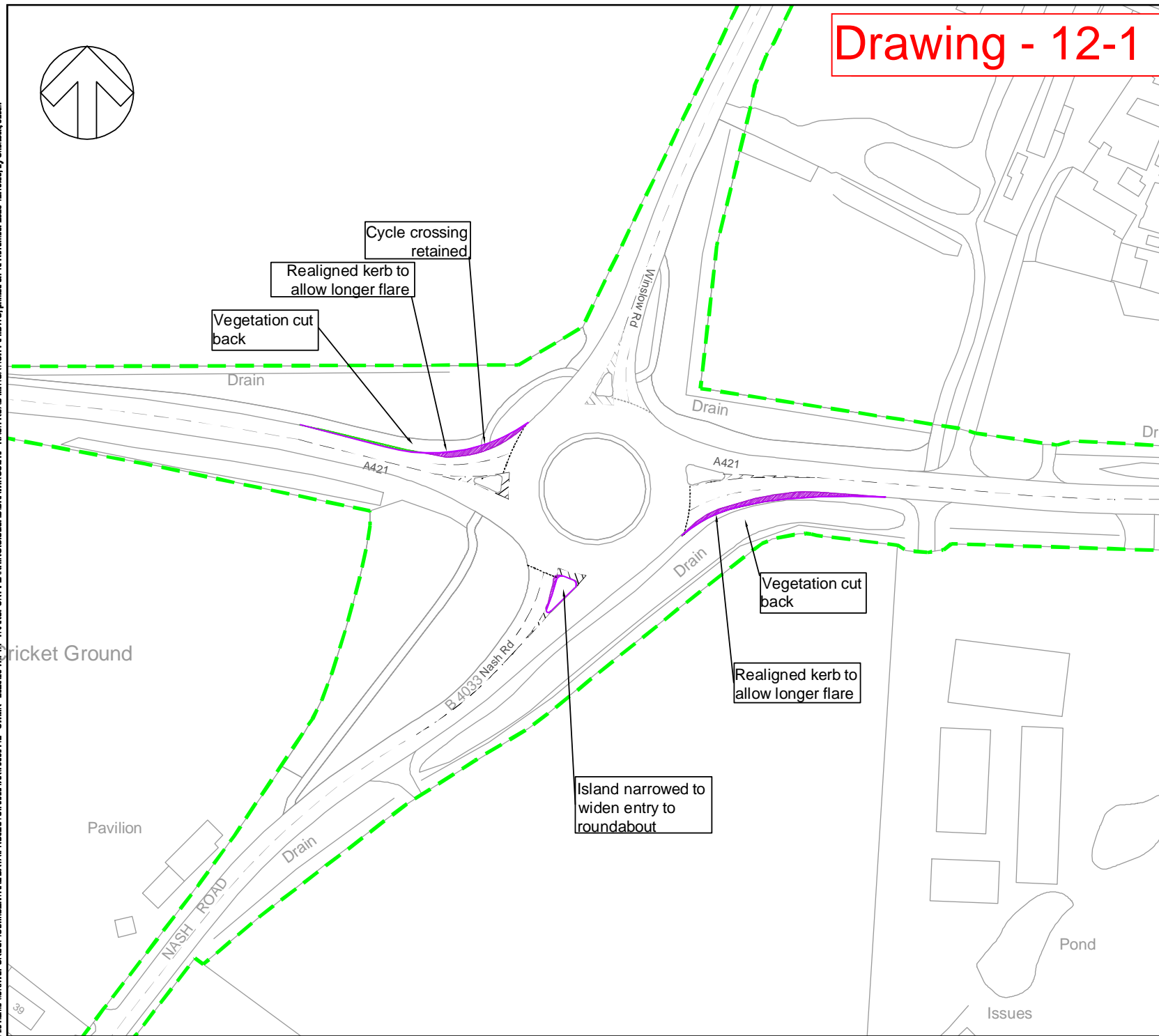
JUNCTION 10 - A421/NASH ROAD/WINSLOW ROAD MITIGATION PROPOSALS



File name: \\UK\WSPGROUP\CENTRAL DATA\PROJECTS\70069442\SWMK - 2020\03\WIP\TP TRANSPORT PLANNING\GIS\CAD\DRAWINGS\10 - NASH ROAD MITIGATION P\DWG - printed on 19 November 2020 12:19:36, by: Sherlock, Justin



Drawing - 12-1



DO NOT SCALE 065

KEY

| | |
|--|--------------------------|
| | Highway Boundary |
| | Kerb Amendments |
| | Carriageway Construction |
| | Verge Construction |

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 |
|-----|------------|-----|----------------|-----|-----|
| P04 | 12/11/2020 | SET | AMENDED LAYOUT | JS | SH |
| P01 | 15/05/2020 | SMR | FIRST ISSUE | JS | JS |

DRAWING STATUS: S2 - FOR INFORMATION

2 London Square, Cross Lanes, Guildford, GU1 1UN, UK
T+ 44 (0) 1483 528 400
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CLIENT: South West Milton Keynes Consortium

ARCHITECT:

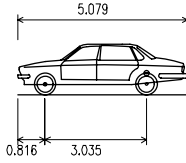
PROJECT: South West Milton Keynes

TITLE: Junction 10 Mitigation Layout
A421/Nash Road/ Winslow Roundabout

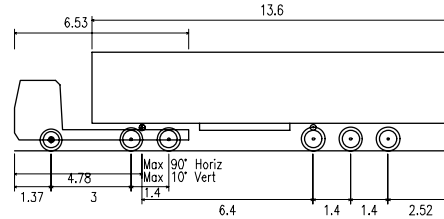
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| SCALE @ A1: 1:1000 | CHECKED: JS | APPROVED: JS |
| PROJECT No: 70069442 | DESIGNED: JS | DRAWN: SET |
| | | DATE: November 2020 |
| DRAWING No: 70069442-008 | | REV: P04 |



Drawing - 12-2



Large Car (2006)
 Overall Length 5.079m
 Overall Width 1.872m
 Overall Body Height 1.525m
 Min Body Ground Clearance 0.310m
 Max Track Width 1.831m
 Lock to Lock Time 4.00 sec
 Kerb to Kerb Turning Radius 5.900m



Max Legal Length 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

DO NOT SCALE 066

KEY

- Highway Boundary
- Kerb Amendments
- Carriageway Construction
- Verge Construction

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 | 25/11/2020 | VN | FIRST ISSUE | SH | MP |
|-----|------------|----|-------------|-----|-----|
| REV | DATE | BY | DESCRIPTION | CHK | APP |
| | | | | | |

DRAWING STATUS: S2 - FOR INFORMATION



2 London Square, Cross Lanes, Guildford, GU1 1UN, UK
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 wsp.com

CLIENT: South West Milton Keynes Consortium

ARCHITECT:

PROJECT: South West Milton Keynes

TITLE: Junction 10 Mitigation Layout
 A421/Nash Road/ Winslow Roundabout
 Swept Path Analysis

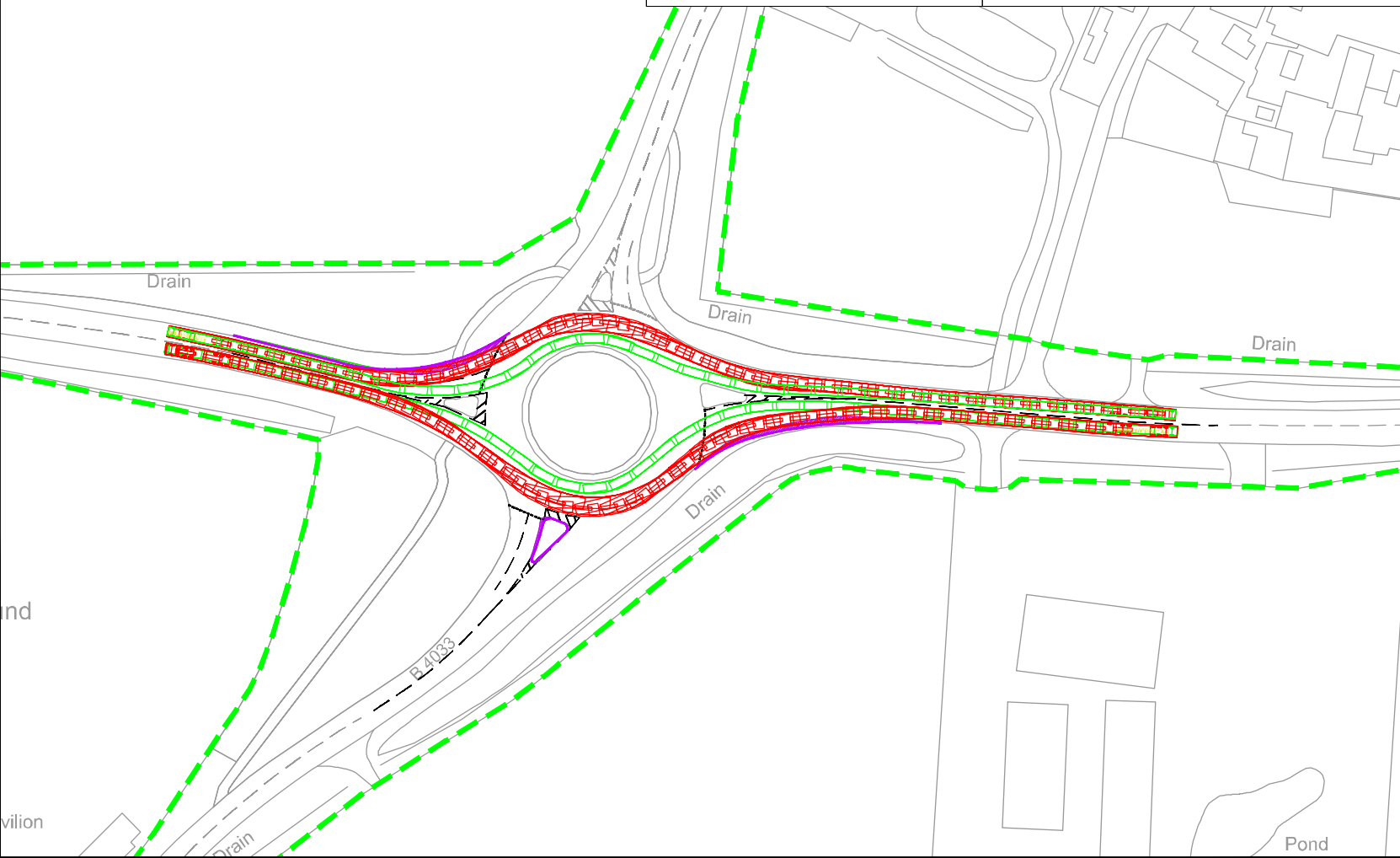
SCALE @ A3: 1:1000 CHECKED: SH APPROVED: MP

PROJECT No: 70069442 DESIGNED: VN DRAWN: VN DATE: November 2020

DRAWING No: 70069442-008-ATR1 REV: P01

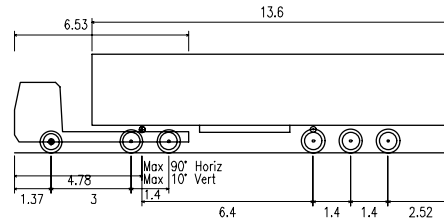
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Drawing - 12-3

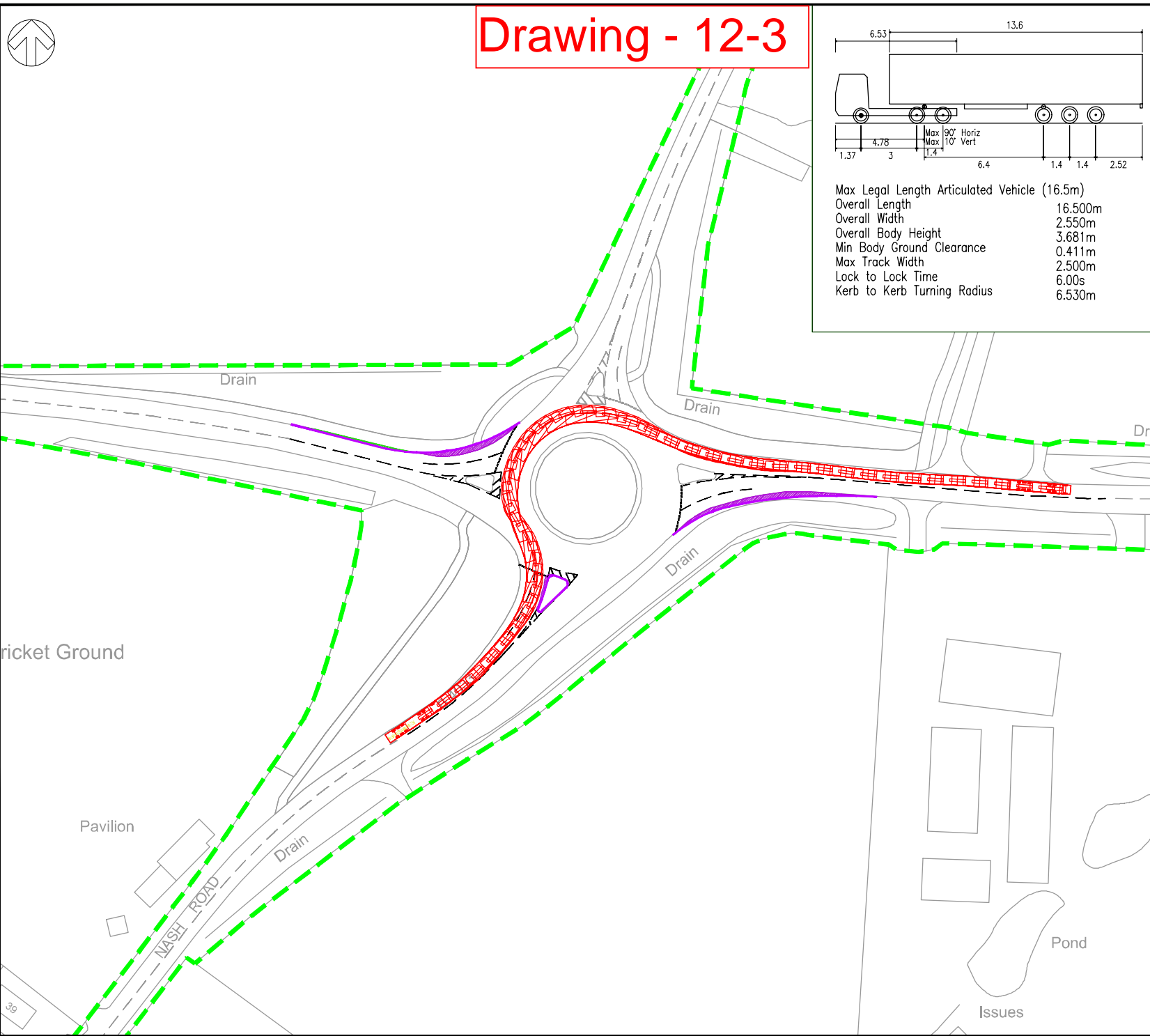


Max Legal Length Articulated Vehicle (16.5m)
 Overall Length 16.500m
 Overall Width 2.550m
 Overall Body Height 3.681m
 Min Body Ground Clearance 0.411m
 Max Track Width 2.500m
 Lock to Lock Time 6.00s
 Kerb to Kerb Turning Radius 6.530m

DO NOT SCALE 067

- KEY**
- Highway Boundary
 - Kerb Amendments
 - Carriageway Construction
 - Verge Construction

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



| | | | | | |
|-----|------------|----|-------------|-----|-----|
| P01 | 25/11/2020 | VN | FIRST ISSUE | SH | MP |
| REV | DATE | BY | DESCRIPTION | CHK | APP |

DRAWING STATUS: S2 - FOR INFORMATION



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 wsp.com

CLIENT: South West Milton Keynes Consortium

ARCHITECT:

PROJECT: South West Milton Keynes

TITLE: Junction 10 Mitigation Layout
 A421/Nash Road/ Winslow Roundabout
 Swept Path Analysis

SCALE @ A3: 1:1000 CHECKED: SH APPROVED: MP

PROJECT No: 70069442 DESIGNED: VN DRAWN: VN DATE: November 2020

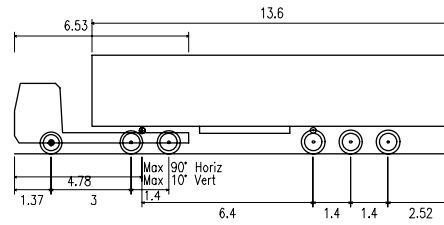
DRAWING No: 70069442-008-ATR2 REV: P01

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Drawing - 12-4



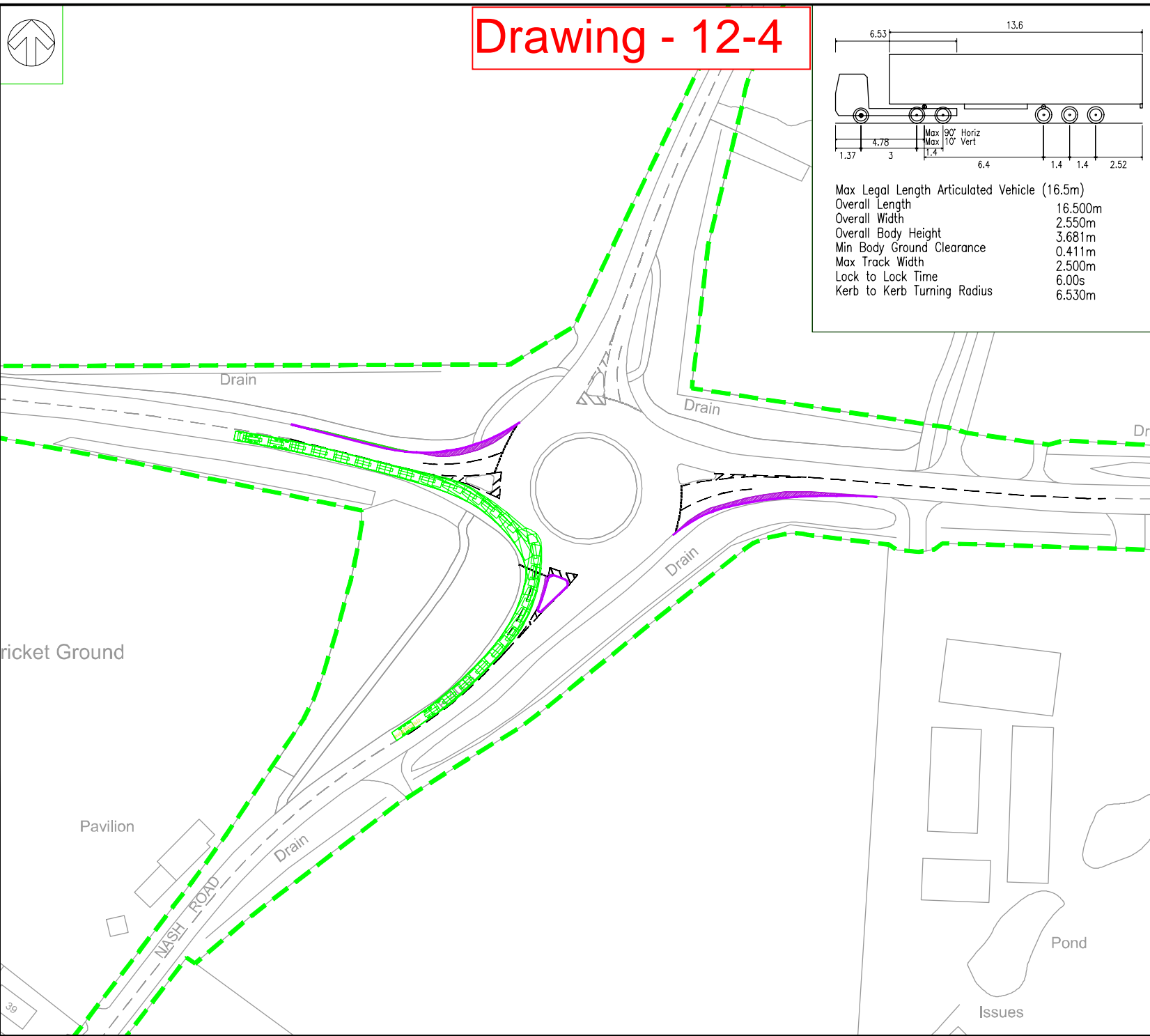
Max Legal Length Articulated Vehicle (16.5m)
 Overall Length 16.500m
 Overall Width 2.550m
 Overall Body Height 3.681m
 Min Body Ground Clearance 0.411m
 Max Track Width 2.500m
 Lock to Lock Time 6.00s
 Kerb to Kerb Turning Radius 6.530m

DO NOT SCALE 068

KEY

- Highway Boundary
- Kerb Amendments
- Carriageway Construction
- Verge Construction

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



| | | | | | |
|-----|------------|----|-------------|-----|-----|
| P01 | 25/11/2020 | VN | FIRST ISSUE | SH | MP |
| REV | DATE | BY | DESCRIPTION | CHK | APP |

DRAWING STATUS: S2 - FOR INFORMATION

2 London Square, Cross Lanes, Guildford, GU1 1UN, UK
 T+ 44 (0) 1483 528 400
 wsp.com

CLIENT: South West Milton Keynes Consortium

ARCHITECT:

PROJECT: South West Milton Keynes

TITLE: Junction 10 Mitigation Layout
 A421/Nash Road/ Winslow Roundabout
 Swept Path Analysis

| | | |
|-------------------------------|--------------|---------------------|
| SCALE @ A3: 1:1000 | CHECKED: SH | APPROVED: MP |
| PROJECT No: 70069442 | DESIGNED: VN | DRAWN: VN |
| | | DATE: November 2020 |
| DRAWING No: 70069442-008-ATR3 | REV: P01 | |

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13

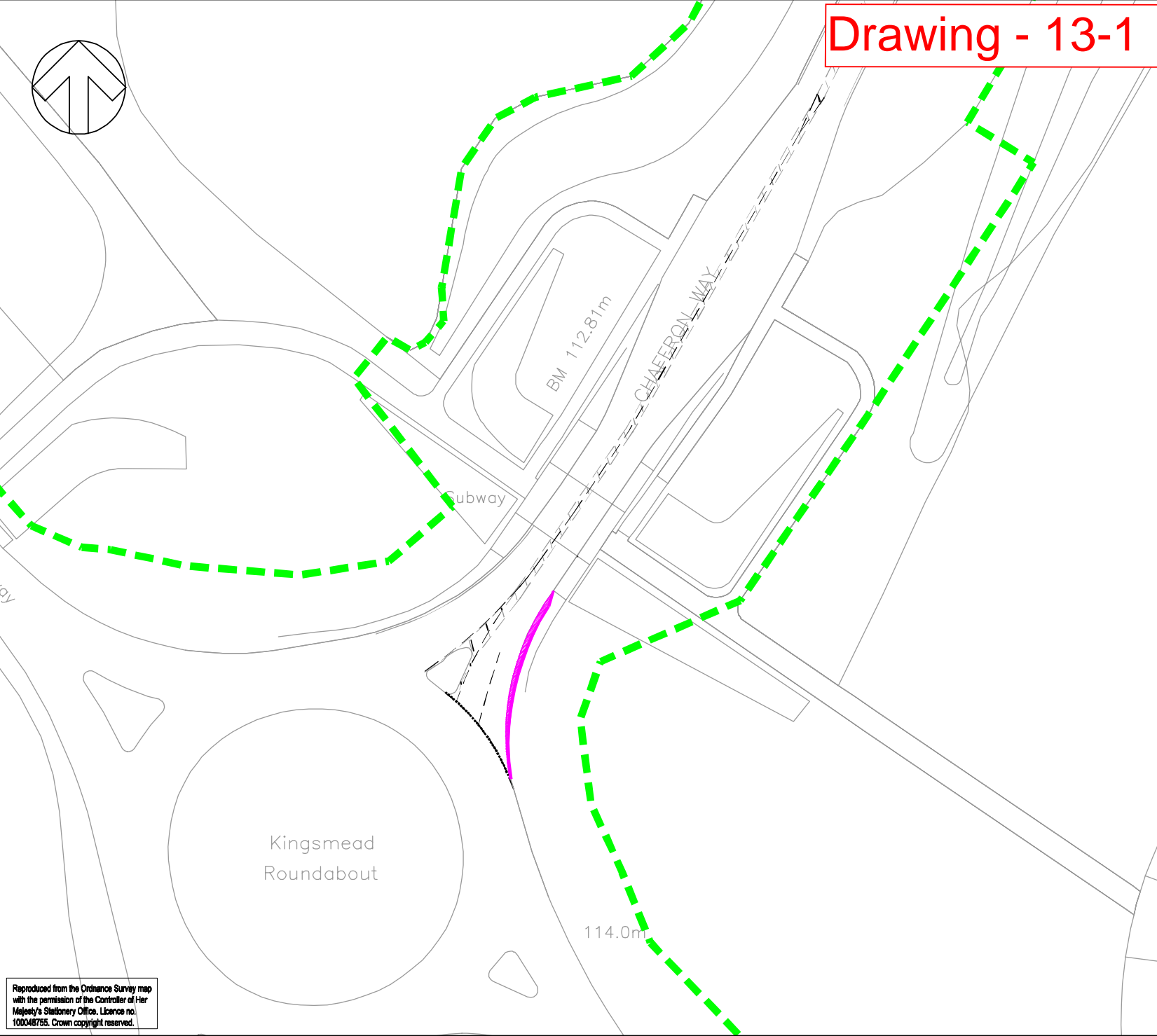
JUNCTION 12 - KINGSMEAD ROUNDABOUT MITIGATION PROPOSALS



Drawing - 13-1

DO NOT SCALE 070

| KEY | |
|---|--------------------------|
|  | Highway Boundary |
|  | Kerb Amendments |
|  | Carriageway Construction |
|  | Footway Construction |
|  | Verge Construction |



| REV | DATE | BY | DESCRIPTION | CHK | APP |
|-----|------------|----|----------------|-----|-----|
| P02 | 22/01/2021 | JS | AMENDED LAYOUT | JS | JS |
| P01 | 19/01/2021 | JS | NEW LAYOUT | JS | JS |

DRAWING STATUS: S2 - FOR INFORMATION



2 London Square, Cross Lanes, Guildford, GU1 1UN, UK
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CLIENT: South West Milton Keynes Consortium

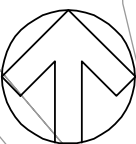
ARCHITECT:

PROJECT: South West Milton Keynes

TITLE: Junction 12 Mitigation Kingsmead Roundabout

| | | |
|---------------------------------|---------------------------|---------------------|
| SCALE @ A: 1:500 | CHECKED: JS | APPROVED: JS |
| PROJECT No: 70069442 | DESIGNED: JS | DRAWN: SET |
| DRAWING No: 70069442-010 | DATE: January 2021 | |
| | REV: P02 | |

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File name \\UK\WSPGROUP\CENTRAL DATA\PROJECTS\70069442 - SWMK - 2020\03 WFATP TRANSPORT PLANNING\ANALYSIS\2021 - JUNCTION MODELLING\MITIGATION\12\JUNCTION 12 MITIGATION PROJ.DWG, printed on 27 January 2021 17:56:10, by Sherock, Justin

DO NOT SCALE 071

Drawing - 13-2

| KEY | |
|---|--------------------------|
|  | Highway Boundary |
|  | Kerb Amendments |
|  | Carriageway Construction |
|  | Footway Construction |
|  | Verge Construction |
|  | VRS Existing |

| REV | DATE | BY | DESCRIPTION | CHK | APP |
|-----|------------|----|------------------------------|-----|-----|
| P03 | 22/04/2021 | JS | ADDITIONAL INFORMATION ADDED | SI | APP |
| P02 | 22/01/2021 | JS | AMENDED LAYOUT | SI | APP |
| P01 | 19/01/2021 | JS | NEW LAYOUT | SI | APP |

DRAWING STATUS: S2 - FOR INFORMATION



2 London Square, Cross Lanes, Guildford, GU1 1UN, UK
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CLIENT: South West Milton Keynes Consortium

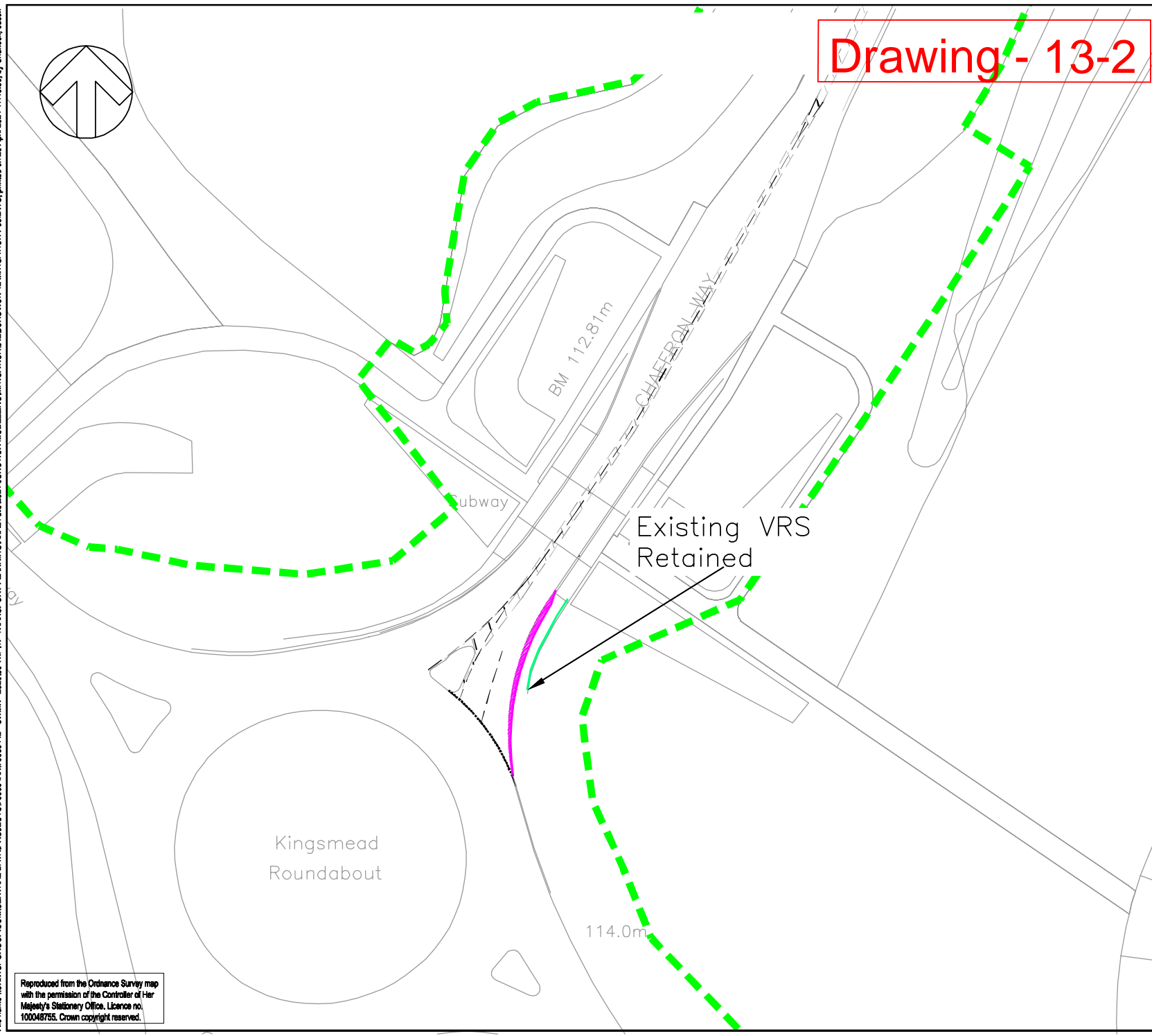
ARCHITECT:

PROJECT: South West Milton Keynes

TITLE: Junction 12 Mitigation Kingsmead Roundabout

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|-----------------------------|-----------------|-----------------|
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| PROJECT No: 70069442 | DESIGNED: JS | DRAWN: SET |
| DRAWING No: 70069442-010 | | REV: P03 |

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File name \\UK\WSPGROUP\CENTRAL DATA\PROJECTS\70069442\0069442 - SWMK - 2020\03 WFTIP TRANSPORT PLANNING\ANALYSIS\2021 JUNCTION MODELLING\MITIGATION\12\JUNCTION 12 MITIGATION P03.DWG, printed on 26 April 2021 17:13:35, by Sherlock, Justin

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Drawing - 13-3

DO NOT SCALE 072

KEY

-  Highway Boundary
-  Kerb Amendments
-  Carriageway Construction
-  Footway Construction
-  Verge Construction

| REV | DATE | BY | DESCRIPTION | CHK | APP |
|-----|------------|----|---------------------|-----|-----|
| P03 | 30/03/2021 | JS | UPDATED ANNOTATIONS | SI | APP |
| P02 | 23/03/2021 | JS | UPDATED ANNOTATIONS | SI | APP |
| P01 | 25/02/2021 | JS | INITIAL LAYOUT | SI | APP |

DRAWING STATUS: S2 - FOR INFORMATION



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CLIENT: South West Milton Keynes Consortium

ARCHITECT:

PROJECT: South West Milton Keynes

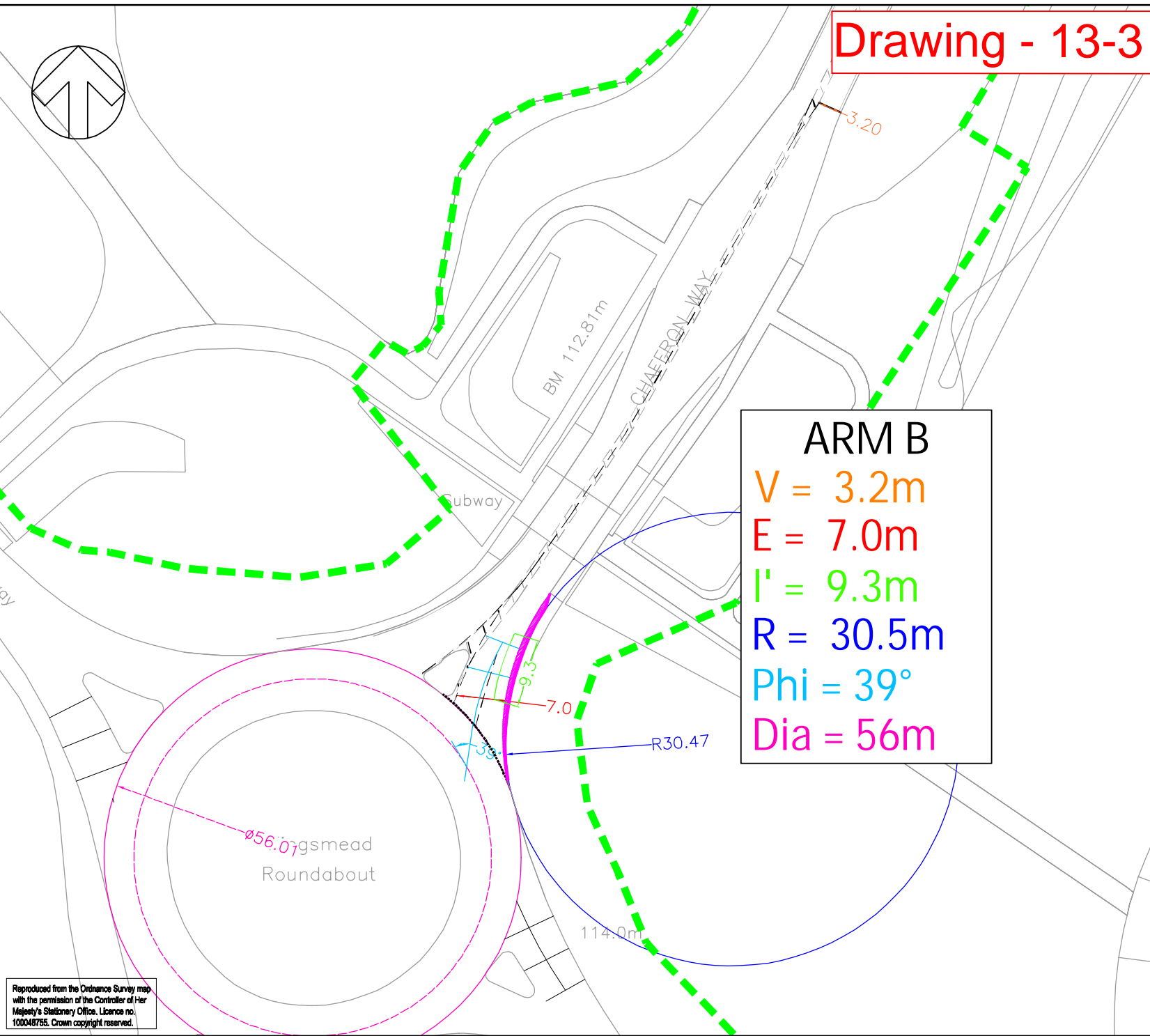
TITLE: Junction 12 Mitigation Kingsmead Roundabout - Modelling Dimensions

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| SCALE @ A1: 1:500 | CHECKED: JS | APPROVED: JS |
|-------------------|-------------|--------------|

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|----------------------|--------------|------------|------------------|
| PROJECT No: 70069442 | DESIGNED: JS | DRAWN: SET | DATE: March 2021 |
|----------------------|--------------|------------|------------------|

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| DRAWING No: 70069442-010-DIM | REV: P03 |
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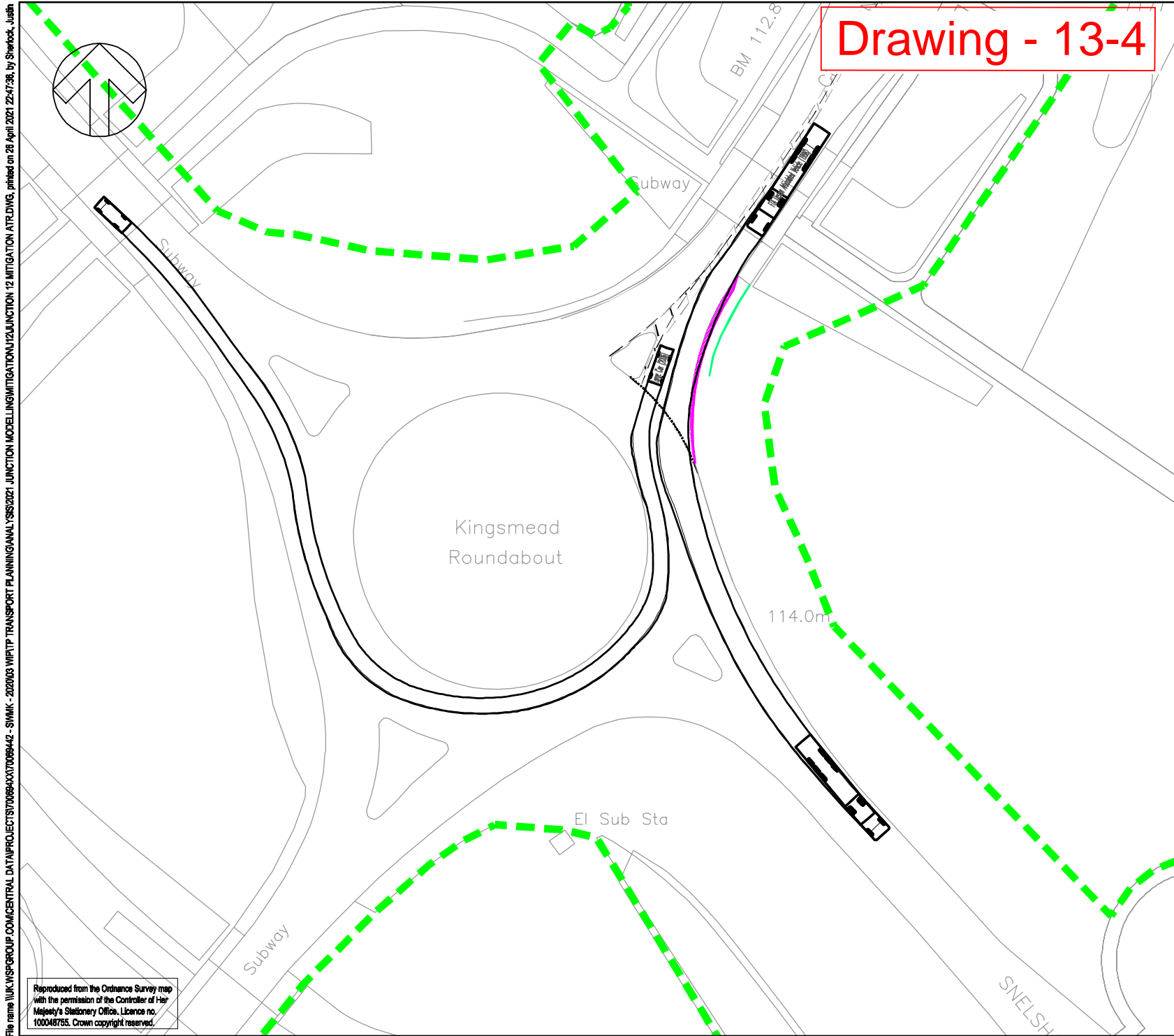
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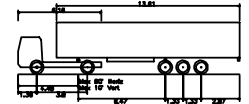
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 Justin

Drawing - 13-4



DO NOT SCALE

073



FTA Design Articulated Vehicle (1998)
 Overall Length 13.810m
 Overall Width 4.000m
 Overall Body Height 4.000m
 Min Body Ground Clearance 4.000m
 Max Track Width 4.000m
 Lock to Lock Time 4.000s
 Kerb to Kerb Turning Radius 8.500m



Large Car (2006)
 Overall Length 5.070m
 Overall Width 1.820m
 Overall Body Height 1.820m
 Min Body Ground Clearance 0.310m
 Max Track Width 0.310m
 Lock to Lock Time 4.000s
 Kerb to Kerb Turning Radius 5.900m

| REV | DATE | BY | DESCRIPTION | CHK | APP |
|-----|------------|----|----------------|-----|-----|
| P01 | 26/04/2021 | JS | INITIAL LAYOUT | SI | APP |

DRAWING STATUS: S2 - FOR INFORMATION



2 London Square, Cross Lanes, Guildford, GU1 1UN, UK
 T: 44 (0) 1483 528 400
 wsp.com

CLIENT: South West Milton Keynes Consortium

ARCHITECT:

PROJECT: South West Milton Keynes

TITLE: Junction 12 Mitigation Kingsmead Roundabout Swept Path Analysis

| | | |
|---------------------------------|-----------------|-----------------|
| SCALE @ A1: 1:500 | CHECKED: JS | APPROVED: JS |
| PROJECT No: 70069442 | DESIGNED: JS | DRAWN: SET |
| DRAWING No: 70069442-010-ATR | | REV: P01 |

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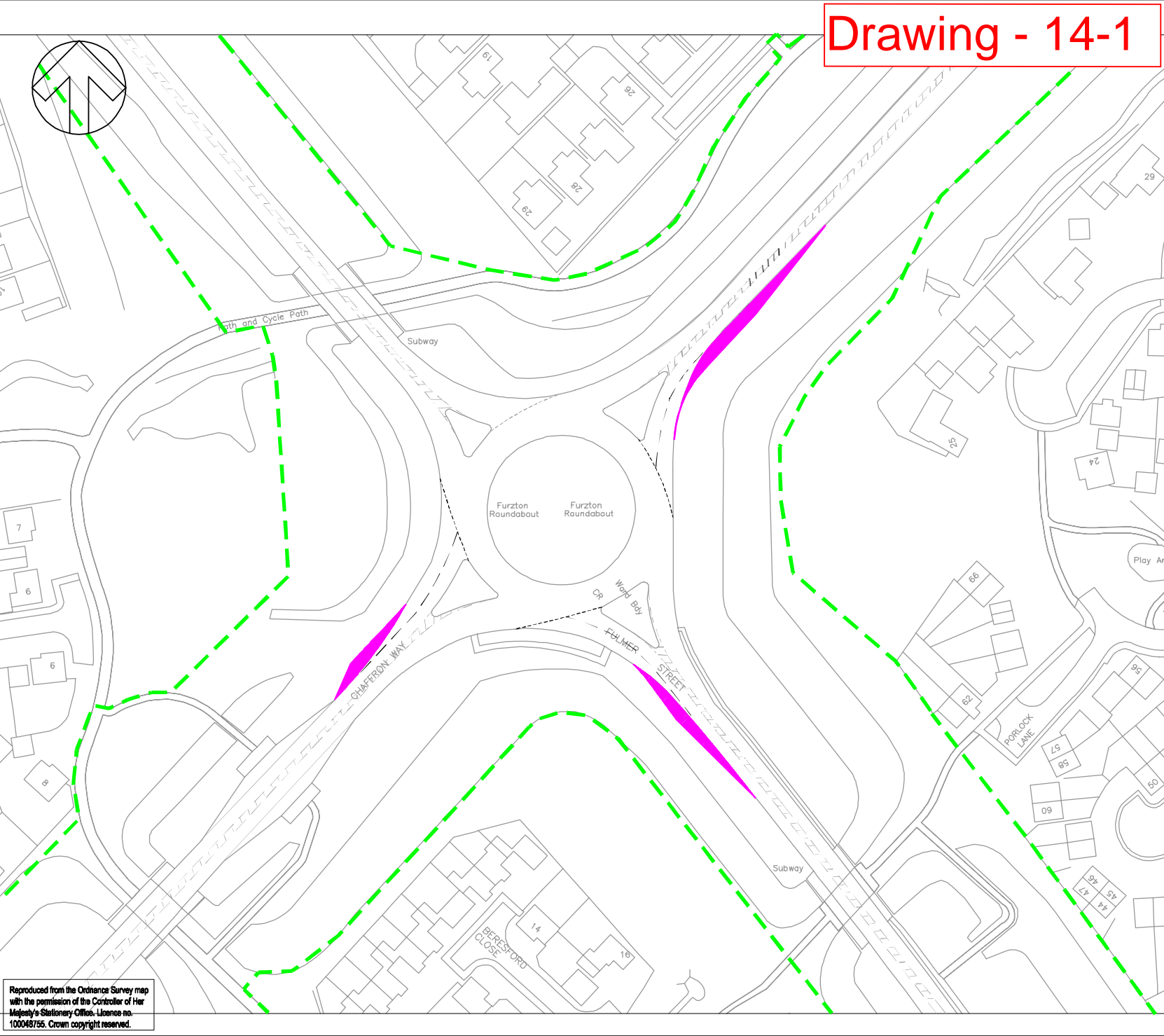
14

JUNCTION 14 - FURZTON ROUNDABOUT MITIGATION PROPOSALS



File name: \\UK\WSP\GROUP\CENTRAL DATA\PROJECTS\70069442 - SWMK - 202003 WFTTP TRANSPORT PLANNING\ANALYSIS\2021 - MITIGATION PROJ.DWG, printed on 27 January 2021 17:31:53, by Sherlock, Justin

Drawing - 14-1



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DO NOT SCALE 075

KEY

- Highway Boundary
- Kerb Amendments
- Carriageway Construction
- Footway Construction
- Verge Construction

| REV | DATE | BY | DESCRIPTION | CHK | APP |
|-----|------------|----|----------------|-----|-----|
| P02 | 22/01/2021 | JS | AMENDED LAYOUT | JS | JS |
| P01 | 19/01/2021 | JS | NEW LAYOUT | JS | JS |

DRAWING STATUS: S2 - FOR INFORMATION



2 London Square, Cross Lanes, Guildford, GU1 1UN, UK
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wsp.com

CLIENT: South West Milton Keynes Consortium

ARCHITECT:

PROJECT: South West Milton Keynes

TITLE: Junction 14 Mitigation Furzton Roundabout

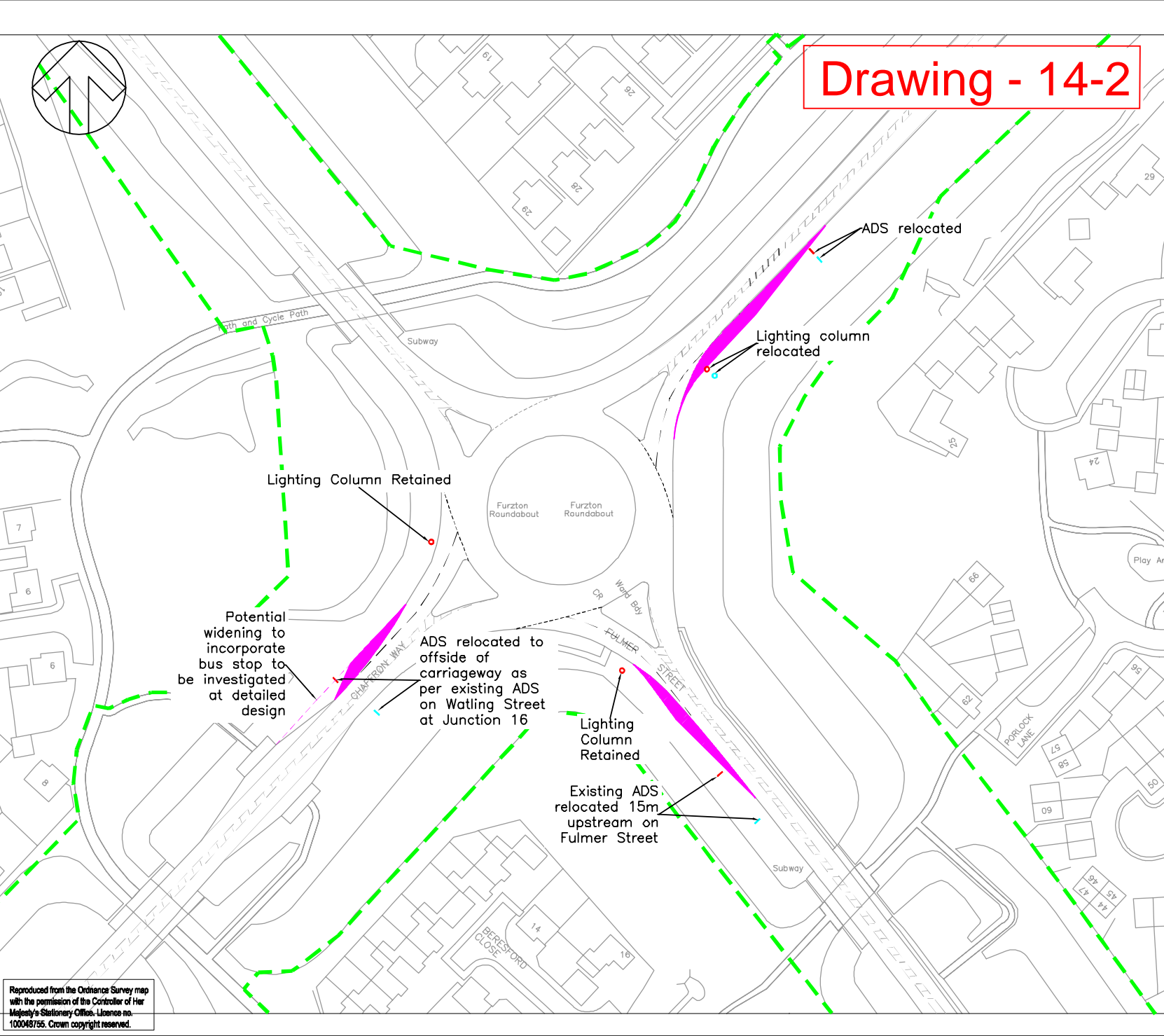
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| PROJECT No: 70069442 | DESIGNED: JS | DRAWN: SET |
| DRAWING No: 70069442-011 | DATE: January 2021 | REV: P02 |

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Drawing - 14-2

KEY

- Highway Boundary
- Kerb Amendments
- Carriageway Construction
- Footway Construction
- Verge Construction
- ADS existing
- ADS Proposed
- Lighting Column Existing
- Lighting Column Proposed



| REV | DATE | BY | DESCRIPTION | CHK | APP |
|-----|------------|----|------------------------------|-----|------|
| P03 | 22/04/2021 | JS | ADDITIONAL INFORMATION ADDED | JS | M.P. |
| P02 | 22/01/2021 | JS | AMENDED LAYOUT | JS | M.P. |
| P01 | 19/01/2021 | JS | NEW LAYOUT | JS | M.P. |

DRAWING STATUS: S2 - FOR INFORMATION



2 London Square, Cross Lanes, Guildford, GU1 1UN, UK
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 wsp.com

CLIENT: South West Milton Keynes Consortium

ARCHITECT:

PROJECT: South West Milton Keynes

TITLE: Junction 14 Mitigation Furzton Roundabout

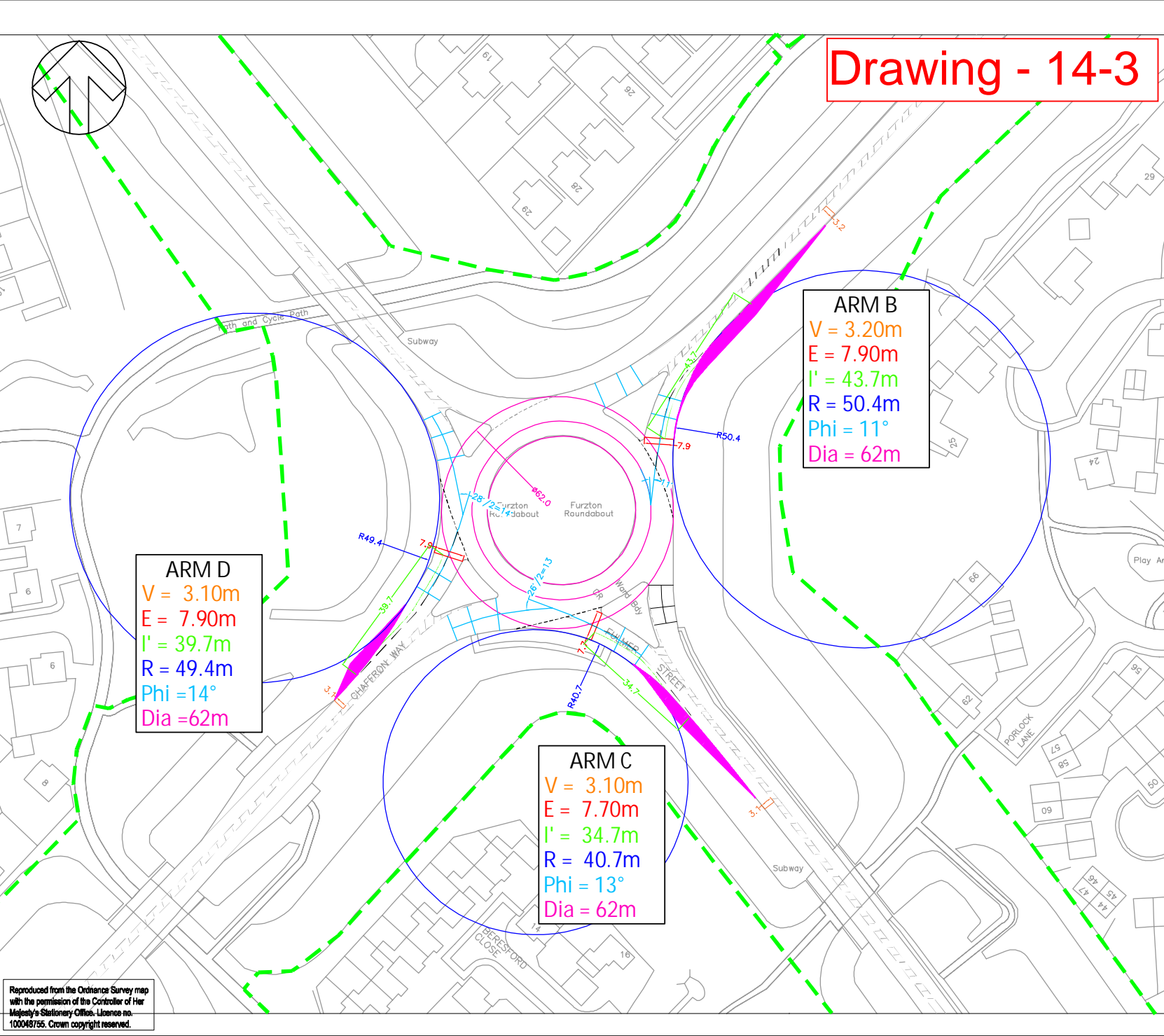
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| PROJECT No: 70069442 | DESIGNED: JS | DRAWN: SET |
| DRAWING No: 70069442-011 | DATE: April 2021 | REV: P03 |

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File name: \\UK\WSP\GROUP\COMMON\CENTRAL DATA\PROJECTS\70069442 - SWMK - 2020\03 WFPTP TRANSPORT PLANNING\ANALYSIS\2021 - MITIGATION\14\14 - MITIGATION P03 - COPY.DWG, printed on 28 April 2021 16:20:21, by: Shenock, Justin

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File name: \\UK\WSP\GROUP\CENTRAL DATA\PROJECTS\70069442 - SWMK - 202003 WFTP TRANSPORT PLANNING\ANALYSIS\2021 - MITIGATION-DIM-P02.DWG, printed on 26 March 2021 14:26:04, by Mbagua, Bernard



Drawing - 14-3

DO NOT SCALE 077

KEY

- Highway Boundary
- Kerb Amendments
- Carriageway Construction
- Footway Construction
- Verge Construction

ARM B
 V = 3.20m
 E = 7.90m
 l' = 43.7m
 R = 50.4m
 Phi = 11°
 Dia = 62m

ARM D
 V = 3.10m
 E = 7.90m
 l' = 39.7m
 R = 49.4m
 Phi = 14°
 Dia = 62m

ARM C
 V = 3.10m
 E = 7.70m
 l' = 34.7m
 R = 40.7m
 Phi = 13°
 Dia = 62m

| REV | DATE | BY | DESCRIPTION | CHK | APP |
|-----|------------|----|---------------------|-----|-----|
| P02 | 23/03/2021 | JS | UPDATED ANNOTATIONS | JS | JS |
| P01 | 25/02/2021 | JS | INITIAL LAYOUT | JS | JS |

DRAWING STATUS: S2 - FOR INFORMATION

2 London Square, Cross Lanes, Guildford, GU1 1UN, UK
 T+ 44 (0) 1483 528 400
 wsp.com

CLIENT: South West Milton Keynes Consortium

ARCHITECT:

PROJECT: South West Milton Keynes

TITLE: Junction 14 Mitigation Furzton Roundabout - Modelling Dimensions

| | | |
|---------------------------|--------------------|---------------------|
| SCALE @ A1: 1:1000 | CHECKED: JS | APPROVED: JS |
|---------------------------|--------------------|---------------------|

| | | | |
|-----------------------------|---------------------|-------------------|-------------------------|
| PROJECT No: 70069442 | DESIGNED: JS | DRAWN: SET | DATE: March 2021 |
|-----------------------------|---------------------|-------------------|-------------------------|

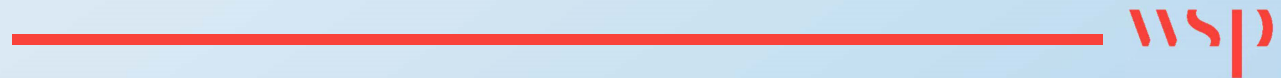
| | |
|-------------------------------------|-----------------|
| DRAWING No: 70069442-011-DIM | REV: P02 |
|-------------------------------------|-----------------|

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15






JUNCTION 15 - BLEAK HALL ROUNDABOUT MITIGATION PROPOSALS



Drawing - 15-1

DO NOT SCALE 079

KEY

| | |
|---|--------------------------|
|  | Highway Boundary |
|  | Kerb Amendments |
|  | Carriageway Construction |
|  | Footway Construction |
|  | Verge Construction |

| REV | DATE | BY | DESCRIPTION | CHK | APP |
|-----|------------|----|----------------|-----|-----|
| P03 | 25/01/2021 | JS | UPDATED LAYOUT | SI | A/P |
| P02 | 22/01/2021 | ST | UPDATED LAYOUT | SI | A/P |
| P01 | 19/01/2021 | JS | NEW LAYOUT | SI | A/P |

DRAWING STATUS: S2 - FOR INFORMATION



2 London Square, Cross Lanes, Guildford, GU1 1UN, UK
T+ 44 (0) 1483 528 400
wsp.com

CLIENT: South West Milton Keynes Consortium

ARCHITECT:

PROJECT: South West Milton Keynes

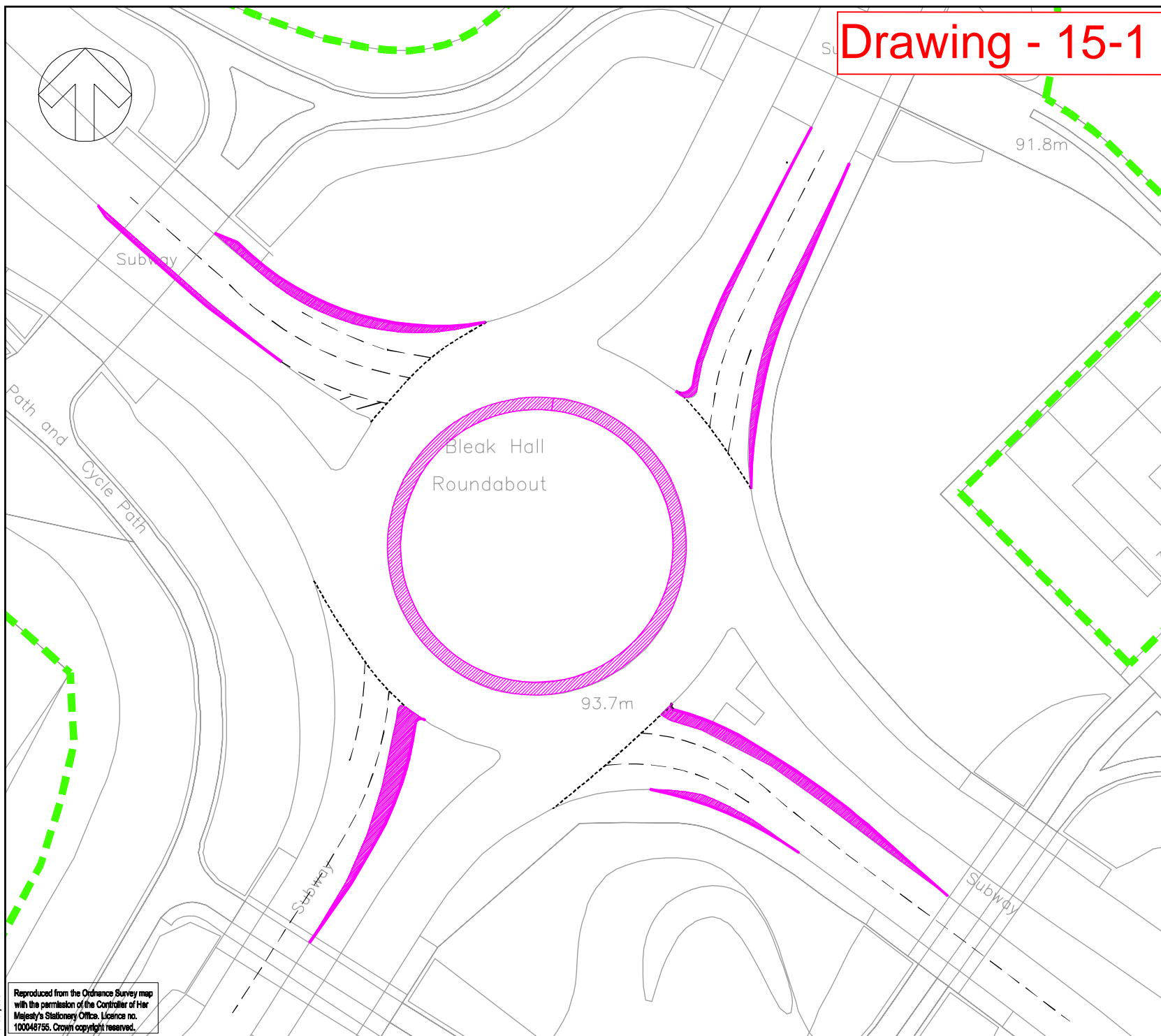
TITLE: Junction 15 Mitigation Bleak Hall Roundabout

SCALE @ A3: 1:500
CHECKED: JS
APPROVED: JS

PROJECT No: 70069442
DESIGNED: JS
DRAWN: SET
DATE: January 2021

DRAWING No: 70069442-012
REV: P03

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Drawing - 15-2

DO NOT SCALE 080

KEY

-  Highway Boundary
-  Kerb Amendments
-  Carriageway Construction
-  Footway Construction
-  Verge Construction
-  Lighting Column - Existing

| REV | DATE | BY | DESCRIPTION | CHK | APP |
|-----|------------|----|------------------------|-----|-----|
| P04 | 22/04/2021 | BM | ADDITIONAL INFORMATION | SH | JJS |
| P03 | 25/01/2021 | JS | UPDATED LAYOUT | SH | JJS |
| P02 | 22/01/2021 | ST | UPDATED LAYOUT | SH | JJS |
| P01 | 19/01/2021 | JS | NEW LAYOUT | SH | JJS |

DRAWING STATUS: S2 - FOR INFORMATION



2 London Square, Cross Lanes, Guildford, GU1 1UN, UK
T+ 44 (0) 1483 528 400
wsp.com

CLIENT: South West Milton Keynes Consortium

ARCHITECT:

PROJECT: South West Milton Keynes

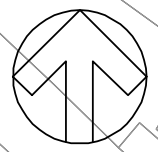
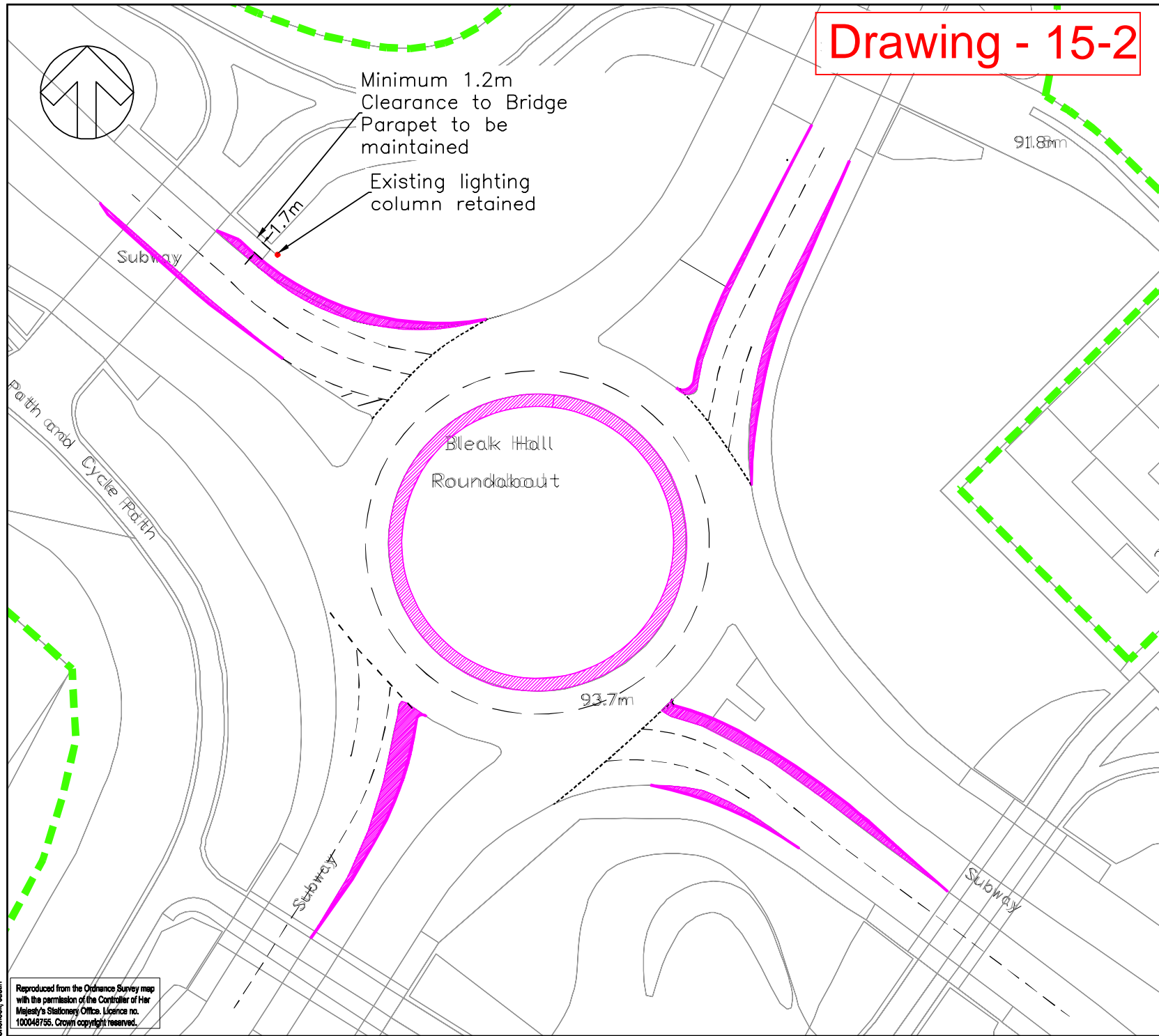
TITLE: Junction 15 Mitigation Bleak Hall Roundabout

| | | |
|--------------------------|--------------------|---------------------|
| SCALE @ A3: 1:500 | CHECKED: JS | APPROVED: JS |
|--------------------------|--------------------|---------------------|

| | | | |
|-----------------------------|---------------------|-------------------|-------------------------|
| PROJECT No: 70069442 | DESIGNED: JS | DRAWN: SET | DATE: April 2021 |
|-----------------------------|---------------------|-------------------|-------------------------|

| | |
|---------------------------------|-----------------|
| DRAWING No: 70069442-012 | REV: P04 |
|---------------------------------|-----------------|

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Minimum 1.2m Clearance to Bridge Parapet to be maintained

Existing lighting column retained

1.7m

91.8m

93.7m

Path and Cycle Path

Subway

Subway

Bleak Hall Roundabout

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Drawing - 15-3

DO NOT SCALE 081

KEY

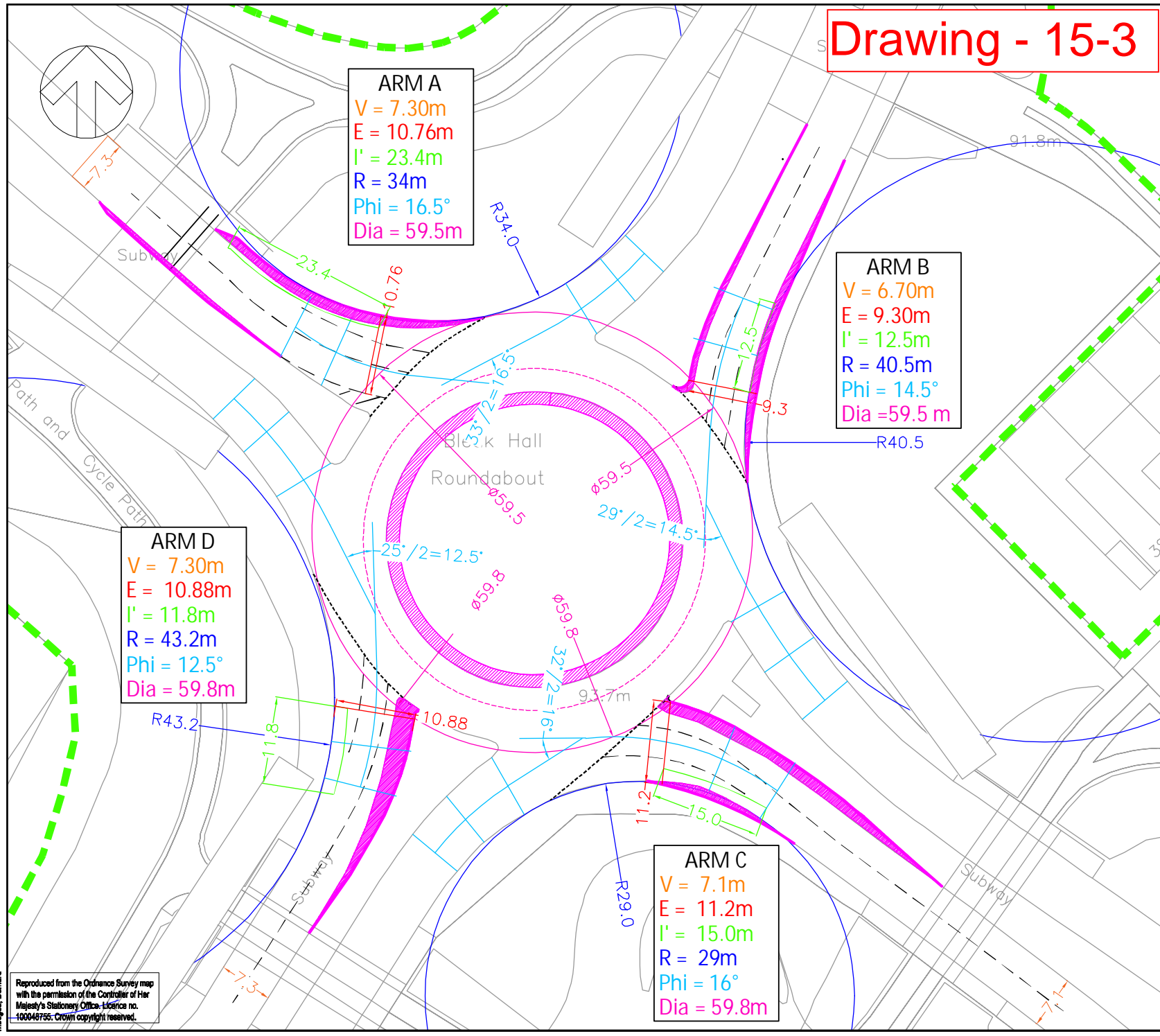
- Highway Boundary
- Kerb Amendments
- Carriageway Construction
- Footway Construction
- Verge Construction

ARM A
 V = 7.30m
 E = 10.76m
 l' = 23.4m
 R = 34m
 Phi = 16.5°
 Dia = 59.5m

ARM B
 V = 6.70m
 E = 9.30m
 l' = 12.5m
 R = 40.5m
 Phi = 14.5°
 Dia = 59.5m

ARM D
 V = 7.30m
 E = 10.88m
 l' = 11.8m
 R = 43.2m
 Phi = 12.5°
 Dia = 59.8m

ARM C
 V = 7.1m
 E = 11.2m
 l' = 15.0m
 R = 29m
 Phi = 16°
 Dia = 59.8m



| REV | DATE | BY | DESCRIPTION | CHK | APP |
|-----|------------|----|---------------------|-----|------|
| P02 | 23/03/2021 | JS | UPDATED ANNOTATIONS | JS | M.P. |
| P01 | 25/02/2021 | JS | INITIAL LAYOUT | JS | M.P. |

DRAWING STATUS: S2 - FOR INFORMATION

2 London Square, Cross Lanes, Guildford, GU1 1UN, UK
 T+ 44 (0) 1483 528 400
 wsp.com

CLIENT: South West Milton Keynes Consortium

ARCHITECT:

PROJECT: South West Milton Keynes

TITLE: Junction 15 Mitigation Bleak Hall Roundabout - Mitigation Dimensions

| | | |
|------------------------------|--------------|------------------|
| SCALE @ A3: 1:500 | CHECKED: JS | APPROVED: JS |
| PROJECT No: 70069442 | DESIGNED: JS | DRAWN: SET |
| | | DATE: March 2021 |
| DRAWING No: 70069442-012-DIM | | REV: P02 |

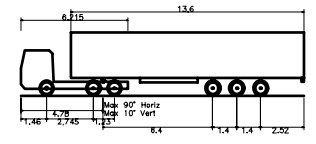
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File name: \\UK.WSPGROUP.COM\CENTRAL_DATA\PROJECTS\70069442 - SWMK - 202003 WFTP TRANSPORT PLANNING\ANALYSIS\2021 JUNCTION MODELLING\MITIGATION\15\15 - BLEAK HALL RET MITIGATION-DIM-FRZ.DWG, printed on 26 March 2021 14:44:48, by Miquel, Bernard

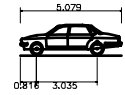
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Drawing - 15-4

DO NOT SCALE 082



Articulated Vehicle with Twin Steered Tractor
 Overall Length 16.50m
 Overall Width 2.50m
 Overall Body Height 3.691m
 Min Body Ground Clearance 0.425m
 Max Track Width 2.500m
 Lock to lock time 6.00s
 Kerb to Kerb Turning Radius 6.987m



Large Car (2006)
 Overall Length 5.079m
 Overall Width 1.872m
 Overall Body Height 1.525m
 Min Body Ground Clearance 0.310m
 Max Track Width 1.831m
 Lock to lock time 4.00s
 Kerb to Kerb Turning Radius 5.900m

| P01 | 15/03/2021 | JK | FIRST ISSUE | J5 | J5 |
|-----|------------|----|-------------|-----|-----|
| REV | DATE | BY | DESCRIPTION | CHK | APP |

DRAWING STATUS: S2 - FOR INFORMATION



2 London Square, Cross Lanes, Guildford, GU1 1UN, UK
 T+ 44 (0) 1483 528 400
 wsp.com

CLIENT: SOUTH WEST MILTON KEYNES CONSORTIUM

ARCHITECT:

PROJECT: SOUTH WEST MILTON KEYNES

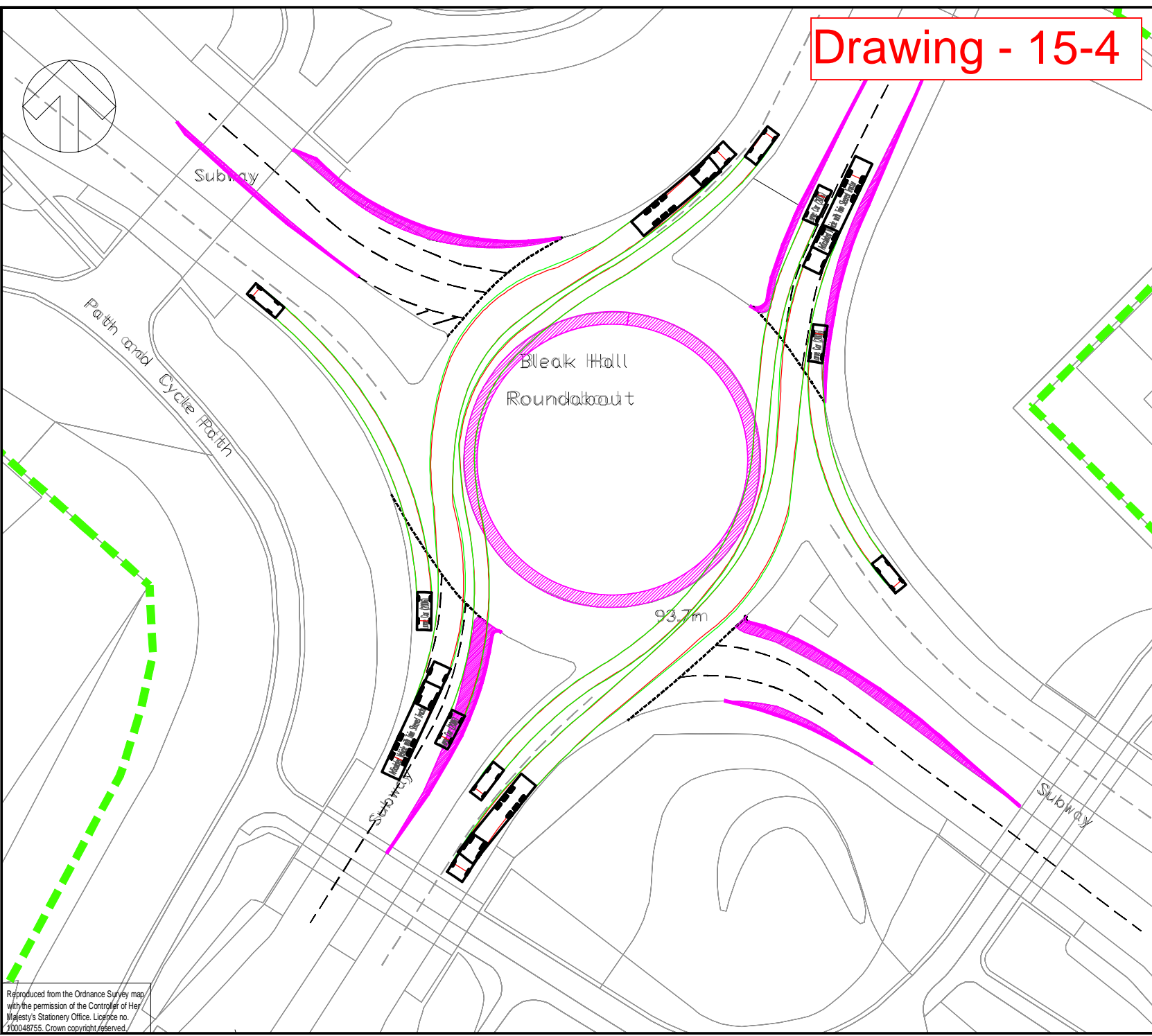
TITLE: J15 - BLEAK HALL ROUNDABOUT JUNCTION MITIGATION

| | | |
|-------------|----------|-----------|
| SCALE @ A3: | CHECKED: | APPROVED: |
| 1:500 | JS | JS |

| | | | |
|-------------|-----------|--------|----------|
| PROJECT No: | DESIGNED: | DRAWN: | DATE: |
| 70069442 | ST | JK | March 21 |

| | |
|-----------------|------|
| DRAWING No: | REV: |
| 9442-TP-ATR-014 | P01 |

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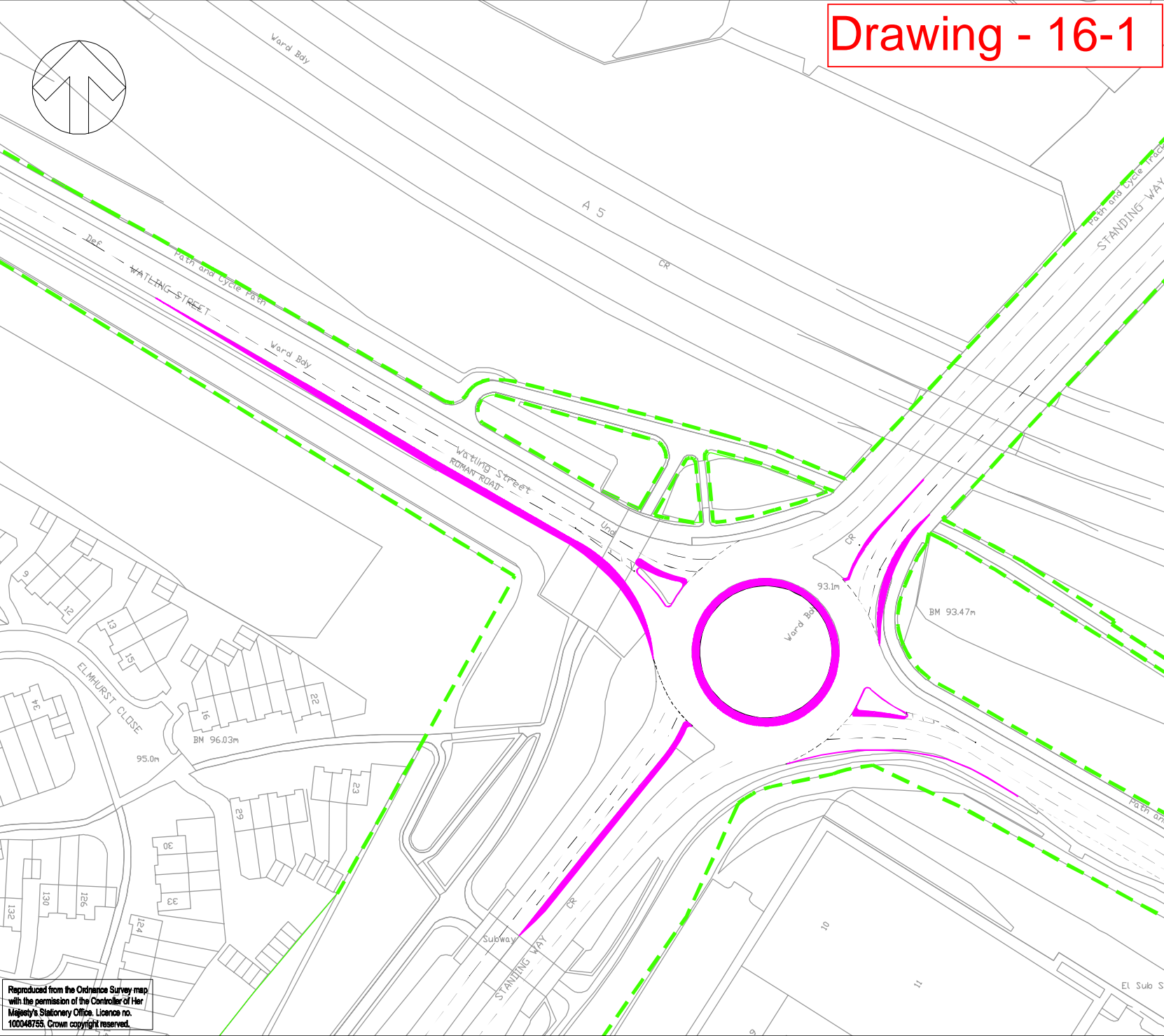
File name: NUK\WSPGROUP\COMMON\DATA\PROJECTS\70069442 - SWMK - 2020\03\WIP\TP TRANSPORT PLANNING\ANALYSIS\2021\JUNCTION MODELING\MITIGATION\J15\15 - BLEAK HALL - RBT MITIGATION_P03_ATR.DWG, printed on 17 March 2021 09:55:04.
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 by Sherlock, Justin

16

JUNCTION 16 - ELFIELD PARK ROUNABOUT MITIGATION PROPOSALS



File name \\UK\WSPGROUP\COMMON\CENTRAL DATA\PROJECTS\70069442 - SWMK - 2020\03 WPTP TRANSPORT PLANNING\ANALYSIS\2021 JUNCTION MODELLING\MITIGATION\16\16 - ELFIELD PARK RBT MITIGATION P10.DWG, printed on 27 January 2021 17:13:04, by Shenack, Justin



Drawing - 16-1

DO NOT SCALE 084

KEY

| | |
|--|--------------------------|
| | Highway Boundary |
| | Kerb Amendments |
| | Carriageway Construction |
| | Footway Construction |
| | Verge Construction |

| REV | DATE | BY | DESCRIPTION | CHK | APP |
|-----|------------|----|----------------|-----|------|
| P03 | 26/01/2021 | JS | AMENDED LAYOUT | JH | J.P. |
| P02 | 25/01/2021 | JS | AMENDED LAYOUT | JH | J.P. |
| P01 | 19/01/2021 | JS | NEW LAYOUT | JH | J.P. |

DRAWING STATUS: S2 - FOR INFORMATION



2 London Square, Cross Lanes, Guildford, GU1 1UN, UK
T+ 44 (0) 1483 528 400
wsp.com

CLIENT: South West Milton Keynes Consortium

ARCHITECT:

PROJECT: South West Milton Keynes

TITLE: Junction 16 Mitigation Elfield Park Roundabout

| | | | | | |
|-------------|--------------|-----------|--------------|-----------|-----|
| SCALE @ A1: | 1:1000 | CHECKED: | JS | APPROVED: | JS |
| PROJECT No: | 70069442 | DESIGNED: | JS | DRAWN: | SET |
| DRAWING No: | 70069442-016 | DATE: | January 2021 | | |
| | | REV: | P03 | | |

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Drawing - 16-2

DO NOT SCALE 085

KEY

- Highway Boundary
- Kerb Amendments
- Carriageway Construction
- Footway Construction
- Verge Construction

| REV | DATE | BY | DESCRIPTION | CHK | APP |
|-----|------------|----|--------------------------|-----|-----|
| P03 | 30/03/2021 | JS | DRAWING NUMBER AMENDMENT | JS | JS |
| P02 | 25/03/2021 | JS | UPDATED ANNOTATIONS | JS | JS |
| P01 | 25/02/2021 | JS | INITIAL LAYOUT | JS | JS |

DRAWING STATUS: S2 - FOR INFORMATION



2 London Square, Cross Lanes, Guildford, GU1 1UN, UK
T+ 44 (0) 1483 528 400
wsp.com

CLIENT: South West Milton Keynes Consortium

ARCHITECT:

PROJECT: South West Milton Keynes

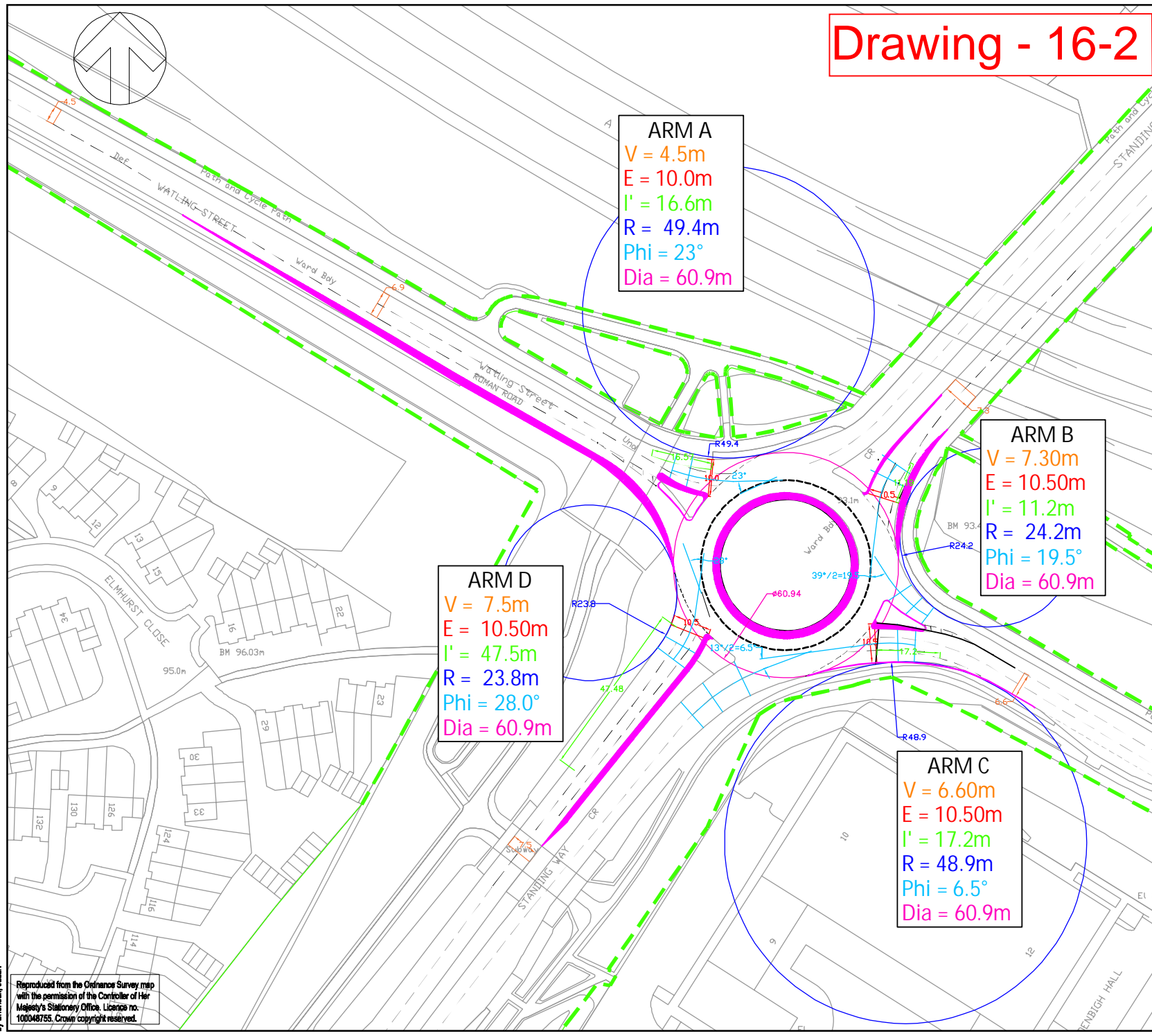
TITLE: Junction 16 Mitigation Elfield Park Roundabout

| | | |
|-------------|----------|-----------|
| SCALE @ A3: | CHECKED: | APPROVED: |
| 1:1000 | JS | JS |

| | | | |
|-------------|-----------|--------|------------|
| PROJECT No: | DESIGNED: | DRAWN: | DATE: |
| 70089442 | JS | SET | March 2021 |

| | |
|------------------|------|
| DRAWING No: | REV: |
| 70069442-016-DIM | P03 |

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ARM A
 V = 4.5m
 E = 10.0m
 l' = 16.6m
 R = 49.4m
 Phi = 23°
 Dia = 60.9m

ARM B
 V = 7.30m
 E = 10.50m
 l' = 11.2m
 R = 24.2m
 Phi = 19.5°
 Dia = 60.9m

ARM D
 V = 7.5m
 E = 10.50m
 l' = 47.5m
 R = 23.8m
 Phi = 28.0°
 Dia = 60.9m

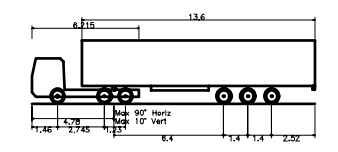
ARM C
 V = 6.60m
 E = 10.50m
 l' = 17.2m
 R = 48.9m
 Phi = 6.5°
 Dia = 60.9m

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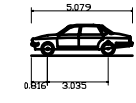
File name: \\UK.WSPGROUP.COM\CENTRAL_DATA\PROJECTS\70089442 - SWMK - 202003 WPTP TRANSPORT PLANNING\ANALYSIS\2021 JUNCTION MODELLING\MITIGATION\16\16 - ELFIELD PARK RBT MITIGATION\DIM-P03.DWG, printed on 30 March 2021 17:02:56, by Sherock, Justin

Drawing - 16-3

DO NOT SCALE 086



Articulated Vehicle with Twin Steered Tractor
 Overall Length 16.500m
 Overall Width 2.550m
 Overall Body Height 3.691m
 Min Body Ground Clearance 0.425m
 Max Track Width 2.500m
 Lock to lock time 6.00s
 Kerb to Kerb Turning Radius 6.987m



Large Car (2006)
 Overall Length 5.079m
 Overall Width 1.872m
 Overall Body Height 1.525m
 Min Body Ground Clearance 0.310m
 Max Track Width 1.831m
 Lock to lock time 4.00s
 Kerb to Kerb Turning Radius 5.900m

| P01 | 15/03/2021 | JK | FIRST ISSUE | J5 | J5 |
|-----|------------|----|-------------|-----|-----|
| REV | DATE | BY | DESCRIPTION | CHK | APP |

DRAWING STATUS: S2 - FOR INFORMATION



2 London Square, Cross Lanes, Guildford, GU1 1UN, UK
 T+ 44 (0) 1483 528 400
 wsp.com

CLIENT: SOUTH WEST MILTON KEYNES CONSORTIUM

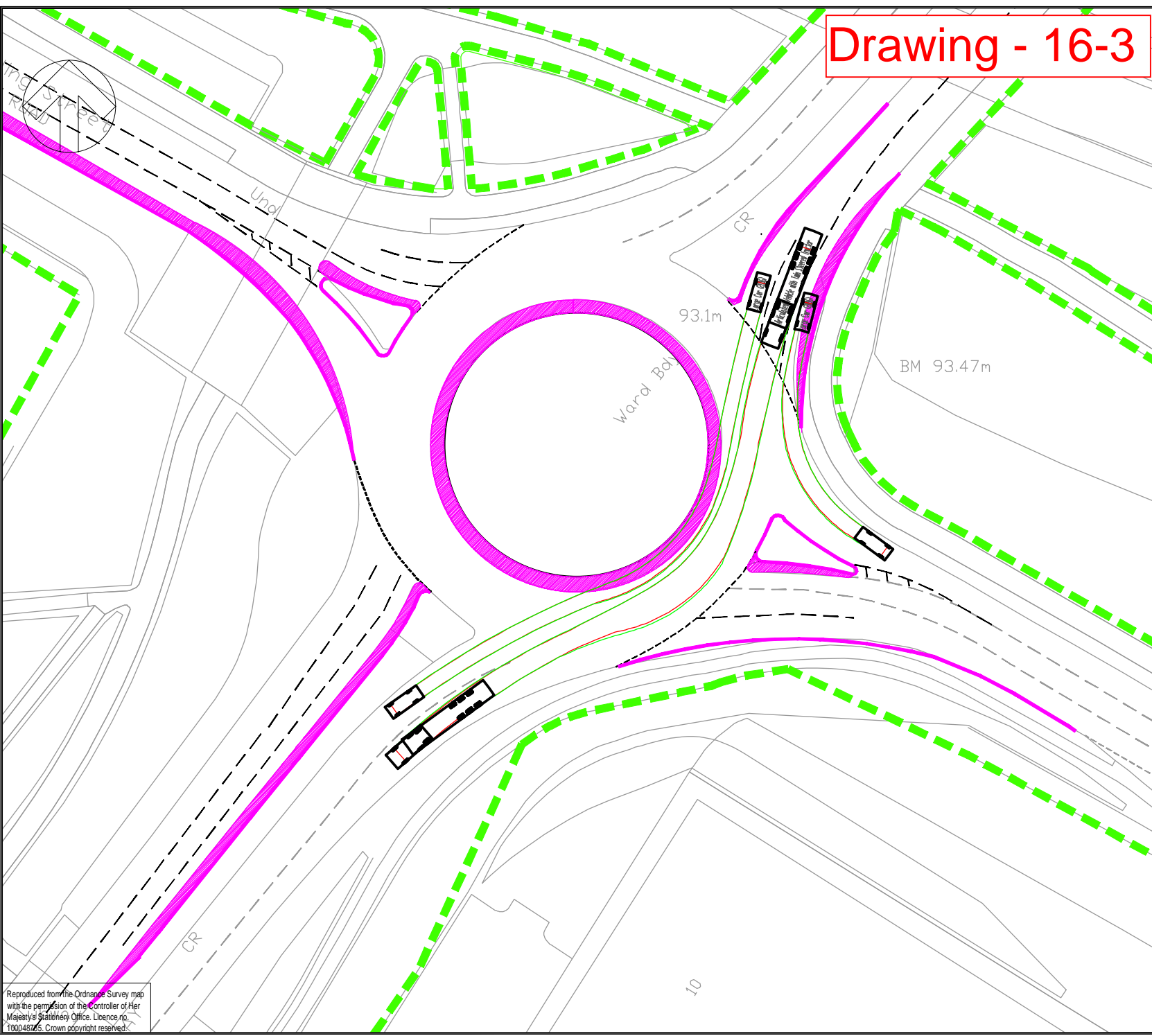
ARCHITECT:

PROJECT: SOUTH WEST MILTON KEYNES

TITLE: J16 - ELFIELD PARK ROUNDABOUT JUNCTION MITIGATION

| | | | | | |
|-------------|-----------------|-----------|----------|-----------|-----|
| SCALE @ A3: | 1:500 | CHECKED: | JS | APPROVED: | JS |
| PROJECT No: | 70069442 | DESIGNED: | ST | DRAWN: | JK |
| DRAWING No: | 9442-TP-ATR-015 | DATE: | March 21 | REV: | P01 |

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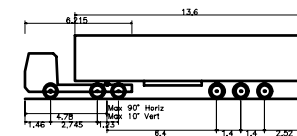


File name \\UK.WSPGROUP.COM\CENTRAL\DATA\PROJECTS\70069442 - SWMK - 2020\03 WIP\TP TRANSPORT PLANNING\ANALYSIS\5\2021 JUNCTION MODELING\MITIGATION\16\J16 - ELFIELD PARK RBT MITIGATION_P03_ATR.DWG, printed on 16 March 2021 10:06:11, by Kemp, James

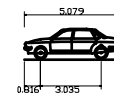
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Drawing - 16-4

DO NOT SCALE 087



Articulated Vehicle with Twin Steered Axles
 Overall Length 16.500m
 Overall Width 2.550m
 Overall Body Height 3.691m
 Min Body Ground Clearance 0.425m
 Max Track Width 2.500m
 Lock to lock time 6.00s
 Kerb to Kerb Turning Radius 6.987m



Large Car (2006)
 Overall Length 5.079m
 Overall Width 1.872m
 Overall Body Height 1.525m
 Min Body Ground Clearance 0.310m
 Max Track Width 1.831m
 Lock to lock time 4.00s
 Kerb to Kerb Turning Radius 5.900m

| P01 | 15/03/2021 | JK | FIRST ISSUE | JS | JS |
|-----|------------|----|-------------|-----|-----|
| REV | DATE | BY | DESCRIPTION | CHK | APP |

DRAWING STATUS: S2 - FOR INFORMATION



2 London Square, Cross Lanes, Guildford, GU1 1UN, UK
 T+ 44 (0) 1483 528 400
 wsp.com

CLIENT: SOUTH WEST MILTON KEYNES CONSORTIUM

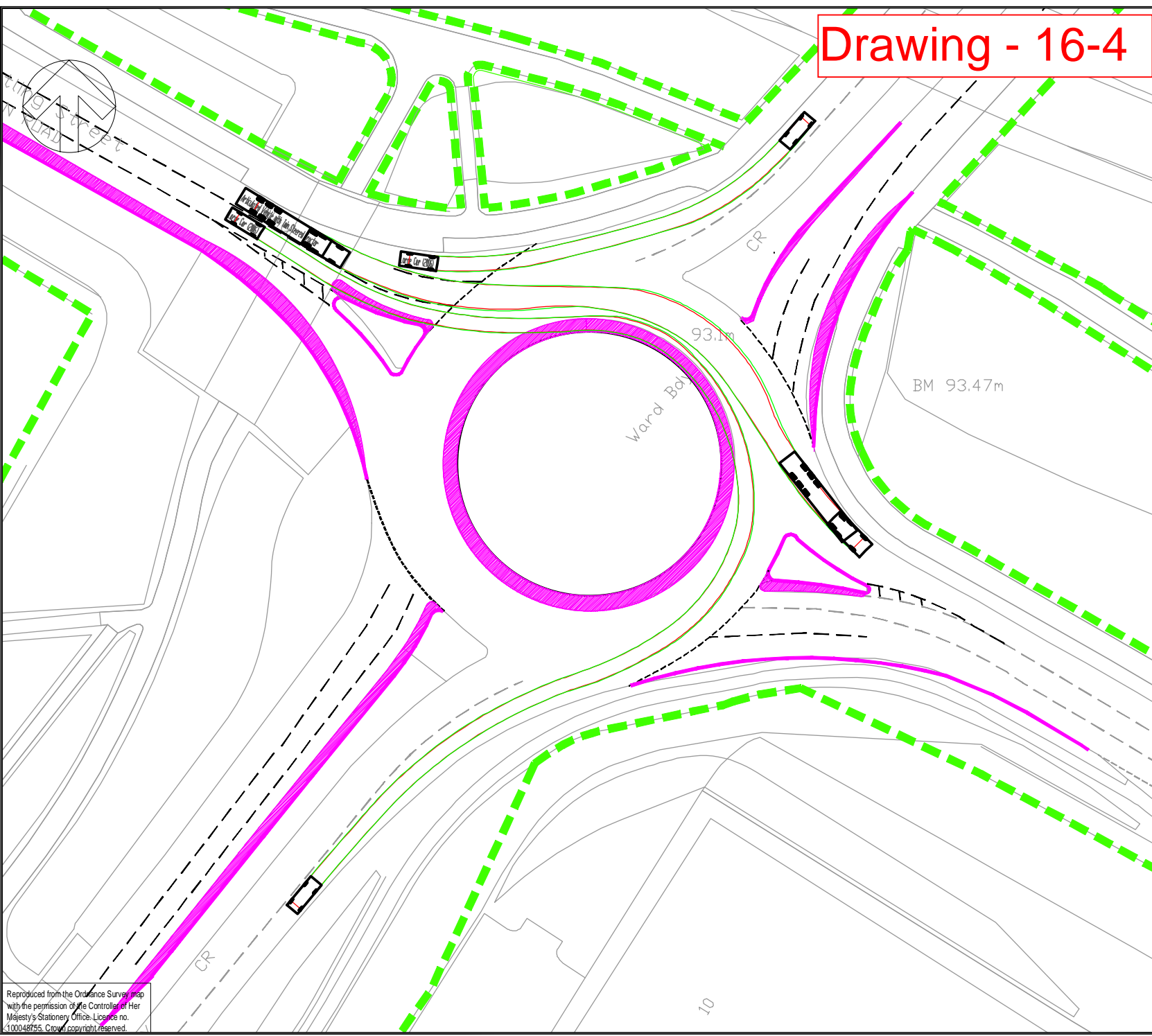
ARCHITECT:

PROJECT: SOUTH WEST MILTON KEYNES

TITLE: J16 - ELFIELD PARK ROUNDABOUT JUNCTION MITIGATION

| | | | | | |
|-------------|-----------------|-----------|----------|-----------|-----|
| SCALE @ A3: | 1:500 | CHECKED: | JS | APPROVED: | JS |
| PROJECT No: | 70069442 | DESIGNED: | ST | DRAWN: | JK |
| DRAWING No: | 9442-TP-ATR-016 | DATE: | March 21 | REV: | P01 |

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17






JUNCTION 17 - EMERSON ROUNDABOUT MITIGATION PROPOSALS



Drawing - 17-1

DO NOT SCALE 089

KEY

-  Highway Boundary
-  Kerb Amendments
-  Carriageway Construction
-  Footway Construction
-  Verge Construction

| REV | DATE | BY | DESCRIPTION | CHK | APP |
|-----|------------|----|----------------|-----|-----|
| P02 | 26/01/2021 | JS | AMENDED LAYOUT | JS | JS |
| P01 | 19/01/2021 | JS | NEW LAYOUT | JS | JS |

DRAWING STATUS: S2 - FOR INFORMATION



2 London Square, Cross Lanes, Guildford, GU1 1UN, UK
T+ 44 (0) 1483 528 400
wsp.com

CLIENT: South West Milton Keynes Consortium

ARCHITECT:

PROJECT: South West Milton Keynes

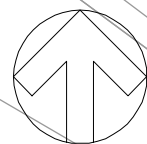
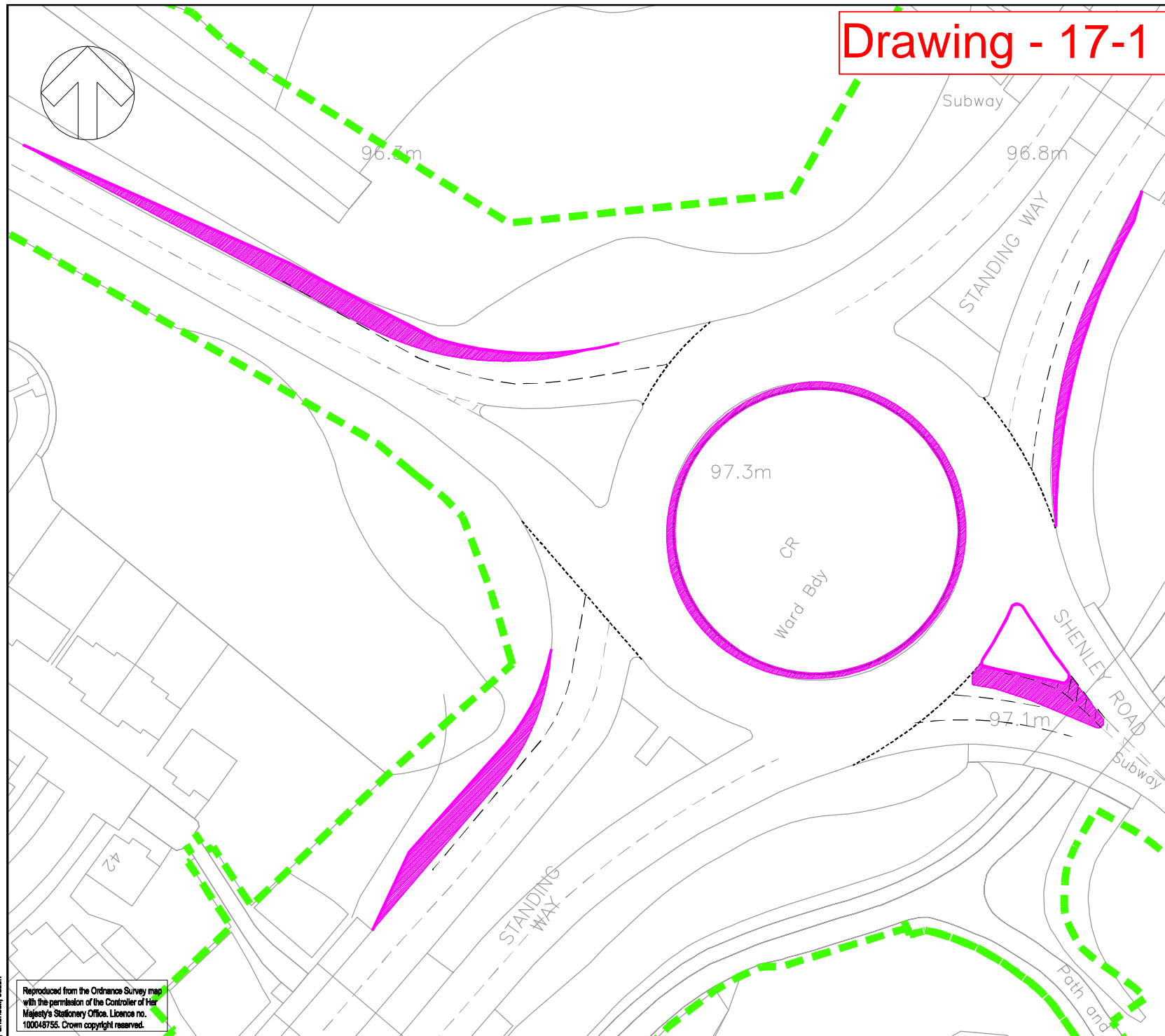
TITLE: Junction 17 Mitigation Emerson Roundabout

SCALE @ A3: 1:500 CHECKED: JS APPROVED: JS

PROJECT No: 70069442 DESIGNED: JS DRAWN: SET DATE: January 2021

DRAWING No: 70069442-013 REV: P02

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File name \\UK\WSPGROUP\CENTRAL DATA\PROJECTS\70069442-013\17 TRANSPORT PLANNING\ANALYSIS\2021 JUNCTION MODELLING\MITIGATION\17-1 - EMERSON ROUNDABOUT MITIGATION.DWG, printed on 27 January 2021 17:20:25 by Sherlock, Justin

Drawing - 17-2

DO NOT SCALE

090

KEY

- Highway Boundary
- Kerb Amendments
- Carriageway Construction
- Footway Construction
- Verge Construction
- Lighting Column Existing
- Lighting Column Proposed
- Traffic Warning Sign Existing
- Traffic Warning Sign Proposed
- Utility Box Existing
- Utility Box Proposed
- ADS Existing
- ADS/VRS Proposed
- VRS Existing

Note 1: Potential to relocate utility plant to be investigated at detailed design

| REV | DATE | BY | DESCRIPTION | CHK | APP |
|-----|------------|----|------------------------------|-----|-----|
| P03 | 26/04/2021 | BM | ADDITIONAL INFORMATION ADDED | JS | JS |
| P02 | 26/01/2021 | JS | AMENDED LAYOUT | JS | JS |
| P01 | 19/01/2021 | JS | NEW LAYOUT | JS | JS |

DRAWING STATUS: S2 - FOR INFORMATION



2 London Square, Cross Lanes, Guildford, GU1 1UN, UK
T+ 44 (0) 1483 528 400
wsp.com

CLIENT: South West Milton Keynes Consortium

ARCHITECT:

PROJECT: South West Milton Keynes

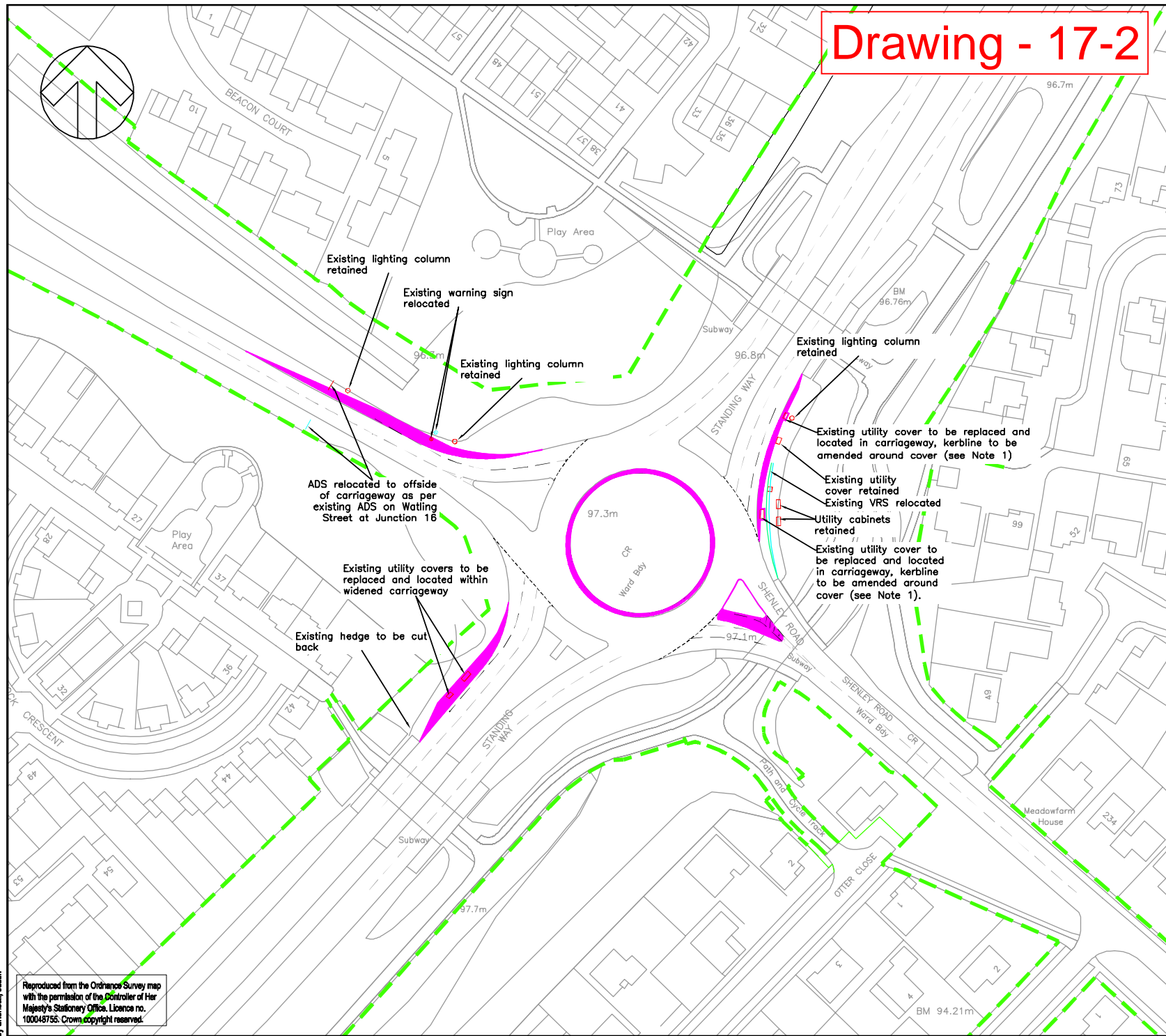
TITLE: Junction 17 Mitigation Emerson Roundabout

| | | | | | |
|-------------|-------|----------|----|-----------|----|
| SCALE @ A3: | 1:500 | CHECKED: | JS | APPROVED: | JS |
|-------------|-------|----------|----|-----------|----|

| | | | | | | | |
|-------------|----------|-----------|----|--------|-----|-------|------------|
| PROJECT No: | 70089442 | DESIGNED: | JS | DRAWN: | SET | DATE: | April 2021 |
|-------------|----------|-----------|----|--------|-----|-------|------------|

| | | | |
|-------------|--------------|------|-----|
| DRAWING No: | 70069442-013 | REV: | P03 |
|-------------|--------------|------|-----|

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File name \\UK\WSP\GROUP\DATA\PROJECTS\70089442-013\WSP\TRANSPORT PLANNING\ANALYSIS\2021 JUNCTION MODELLING\MITIGATION\17\17 - EMERSON ROUNDABOUT MITIGATION_P03.DWG, printed on 26 April 2021 21:17:56, by Sherlock, Justin

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Drawing - 17-3

DO NOT SCALE 091

KEY

- Highway Boundary
- Kerb Amendments
- Carriageway Construction
- Footway Construction
- Verge Construction

| REV | DATE | BY | DESCRIPTION | CHK | APP |
|-----|------------|----|---------------------|-----|-----|
| P03 | 30/03/2021 | JS | UPDATED ANNOTATIONS | JS | JS |
| P02 | 23/03/2021 | JS | UPDATED ANNOTATIONS | JS | JS |
| P01 | 24/02/2021 | JS | INITIAL LAYOUT | JS | JS |

DRAWING STATUS: S2 - FOR INFORMATION



2 London Square, Cross Lanes, Guildford, GU1 1UN, UK
T+ 44 (0) 1483 528 400
wsp.com

CLIENT: South West Milton Keynes Consortium

ARCHITECT:

PROJECT: South West Milton Keynes

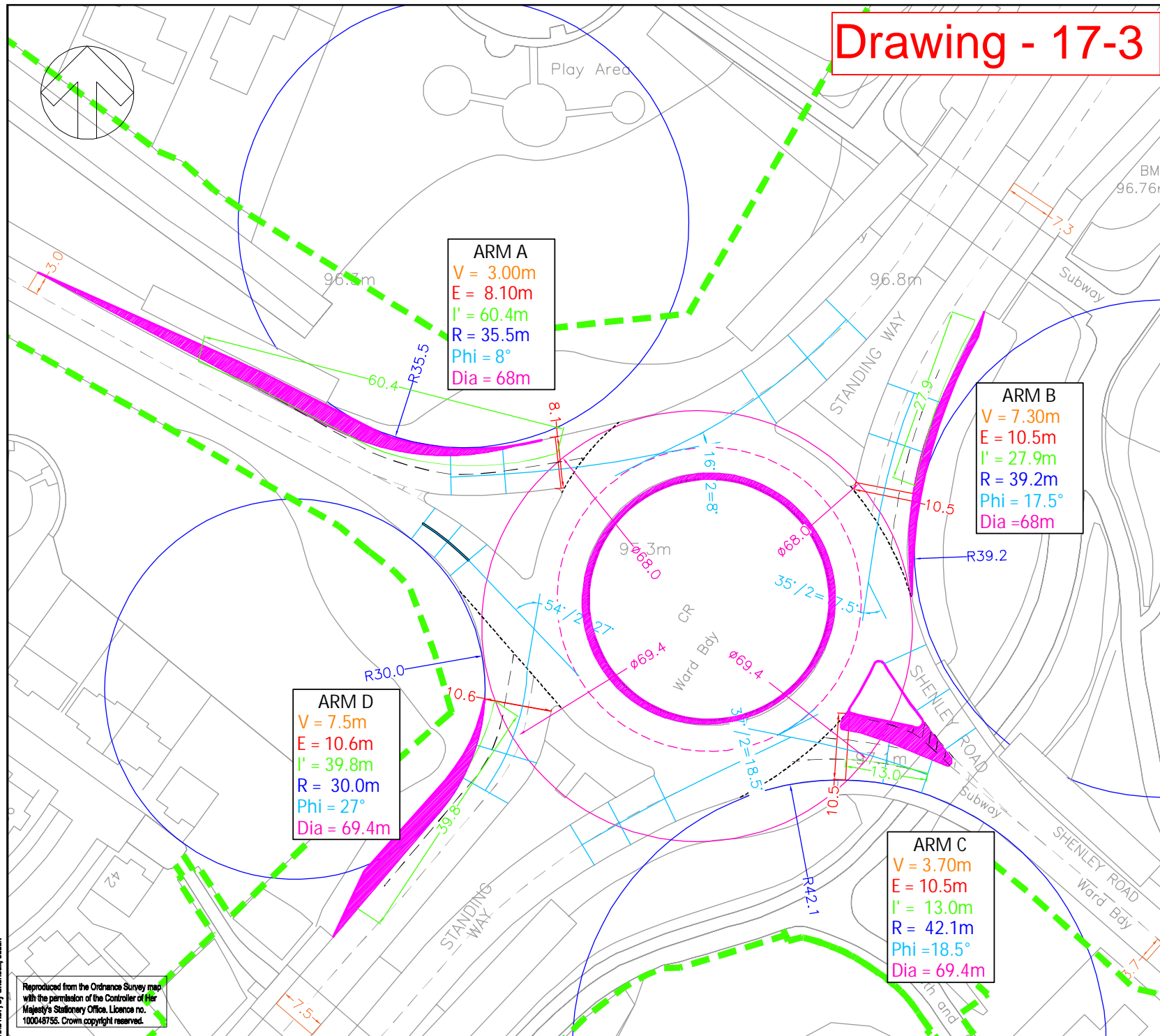
TITLE: Junction 17 Mitigation Emerson Roundabout - Modelling Dimensions

| | | |
|-----------------|-------------|--------------|
| SCALE @ A3: NTS | CHECKED: JS | APPROVED: JS |
|-----------------|-------------|--------------|

| | | | |
|----------------------|--------------|------------|------------------|
| PROJECT No: 70089442 | DESIGNED: JS | DRAWN: SET | DATE: March 2021 |
|----------------------|--------------|------------|------------------|

| | |
|------------------------------|----------|
| DRAWING No: 70069442-013-DIM | REV: P03 |
|------------------------------|----------|

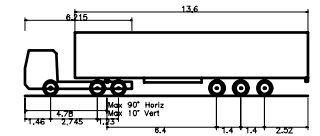
© WSP UK Ltd



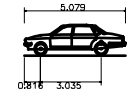
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Drawing - 17-4

DO NOT SCALE 092



Articulated Vehicle with Twin Steered Axles
 Overall Length 16.500m
 Overall Width 2.550m
 Overall Body Height 3.691m
 Min Body Ground Clearance 0.425m
 Max Track Width 2.500m
 Lock to lock time 6.00s
 Kerb to Kerb Turning Radius 6.987m



Large Car (2006)
 Overall Length 5.079m
 Overall Width 1.872m
 Overall Body Height 1.525m
 Min Body Ground Clearance 0.310m
 Max Track Width 1.831m
 Lock to lock time 4.00s
 Kerb to Kerb Turning Radius 5.900m

| P01 | 15/03/2021 | JK | FIRST ISSUE | JS | JS |
|-----|------------|----|-------------|-----|-----|
| REV | DATE | BY | DESCRIPTION | CHK | APP |

DRAWING STATUS: S2 - FOR INFORMATION



2 London Square, Cross Lanes, Guildford, GU1 1UN, UK
 T+ 44 (0) 1483 528 400
 wsp.com

CLIENT: SOUTH WEST MILTON KEYNES CONSORTIUM

ARCHITECT:

PROJECT: SOUTH WEST MILTON KEYNES

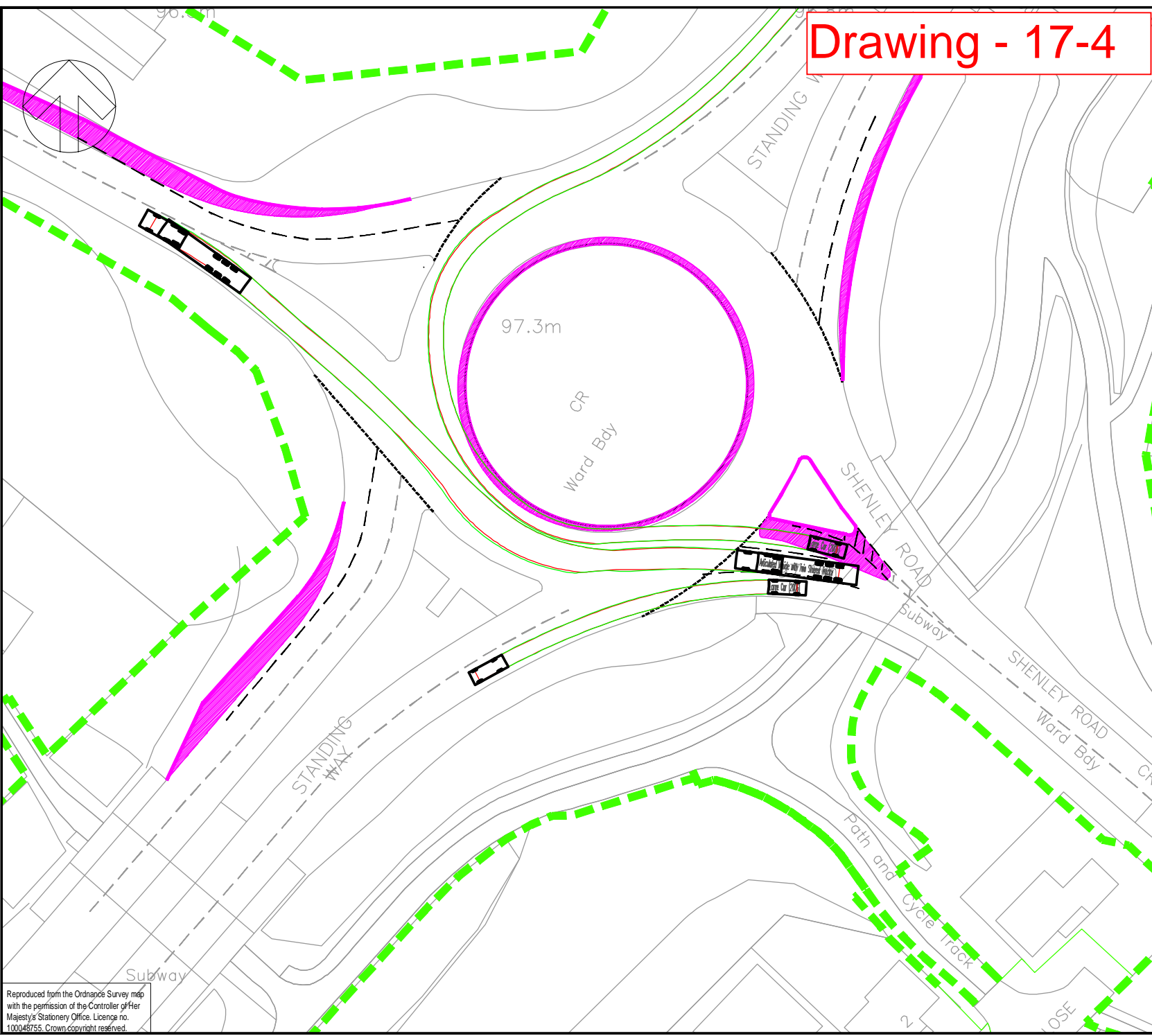
TITLE: J17 - EMERSON ROUNDABOUT JUNCTION MITIGATION

| | | | | | |
|-------------|-------|----------|----|-----------|----|
| SCALE @ A3: | 1:500 | CHECKED: | JS | APPROVED: | JS |
|-------------|-------|----------|----|-----------|----|

| | | | | | | | |
|-------------|----------|-----------|----|--------|----|-------|----------|
| PROJECT No: | 70069442 | DESIGNED: | ST | DRAWN: | JK | DATE: | March 21 |
|-------------|----------|-----------|----|--------|----|-------|----------|

| | | | |
|-------------|-----------------|------|-----|
| DRAWING No: | 9442-TP-ATR-017 | REV: | P01 |
|-------------|-----------------|------|-----|

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Drawing - 17-5

DO NOT SCALE 093

| KEY | |
|---|--------------------------|
|  | Highway Boundary |
|  | Kerb Amendments |
|  | Carriageway Construction |
|  | Footway Construction |
|  | Verge Construction |

| REV | DATE | BY | DESCRIPTION | CHK | APP |
|-----|------------|----|----------------|-----|------|
| P02 | 31/03/2021 | JS | UPDATED LAYOUT | 21 | 19/1 |
| P01 | 24/02/2021 | JS | INITIAL LAYOUT | 21 | 19/1 |

DRAWING STATUS: S2 - FOR INFORMATION



2 London Square, Cross Lanes, Guildford, GU1 1UN, UK
T+ 44 (0) 1483 528 400
wsp.com

CLIENT: South West Milton Keynes Consortium

ARCHITECT:

PROJECT: South West Milton Keynes

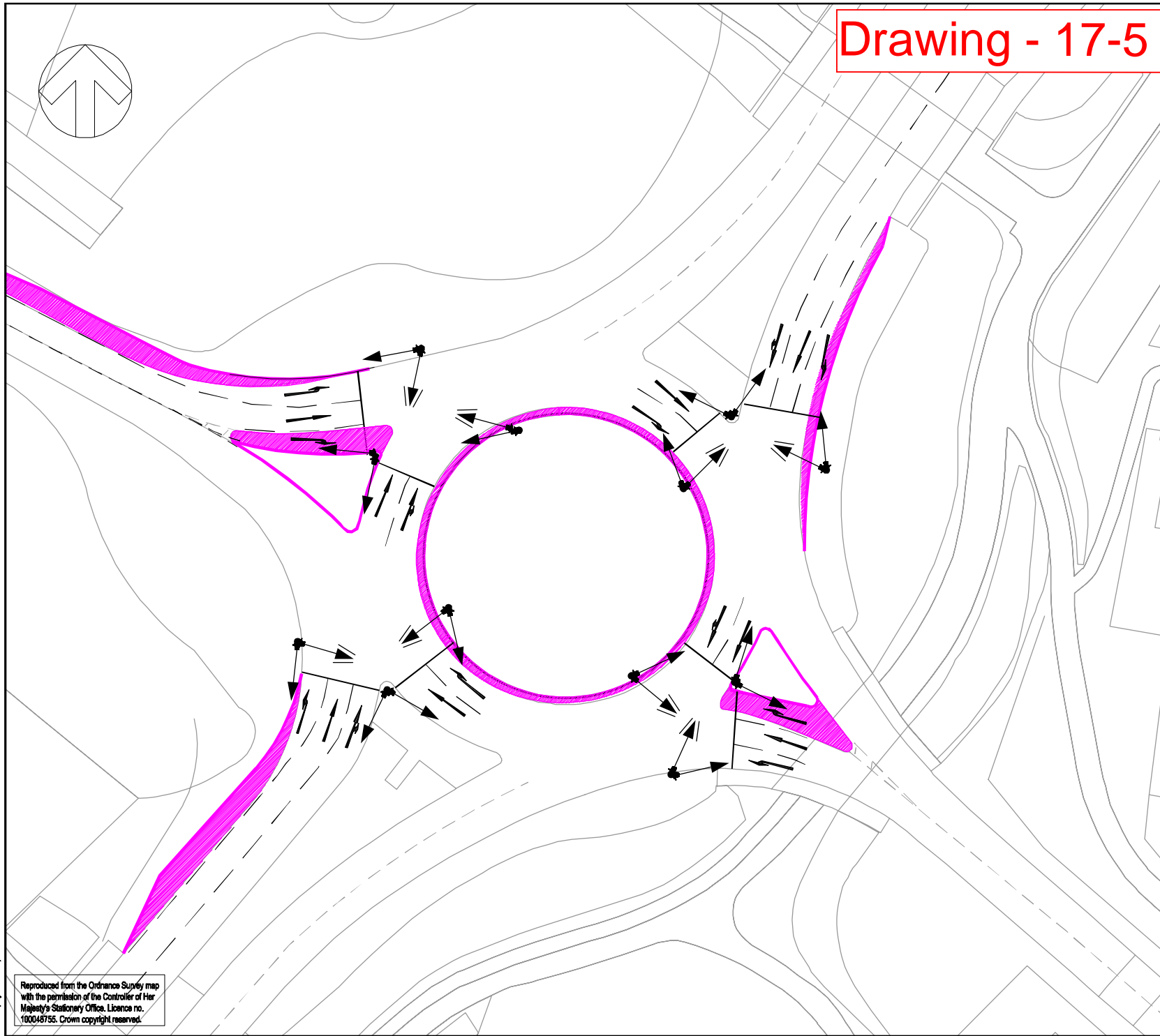
TITLE: Junction 17 Mitigation Emerson Roundabout Traffic Signals Option

| | | |
|----------------------|----------------|-----------------|
| SCALE @ A1: 1:500 | CHECKED: JS | APPROVED: JS |
|----------------------|----------------|-----------------|

| | | | |
|-------------------------|-----------------|---------------|---------------------|
| PROJECT No: 70069442 | DESIGNED: JS | DRAWN: SET | DATE: March 2021 |
|-------------------------|-----------------|---------------|---------------------|

| | |
|-----------------------------|-------------|
| DRAWING No: 70069442-017 | REV: P02 |
|-----------------------------|-------------|

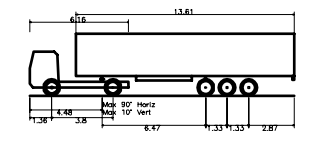
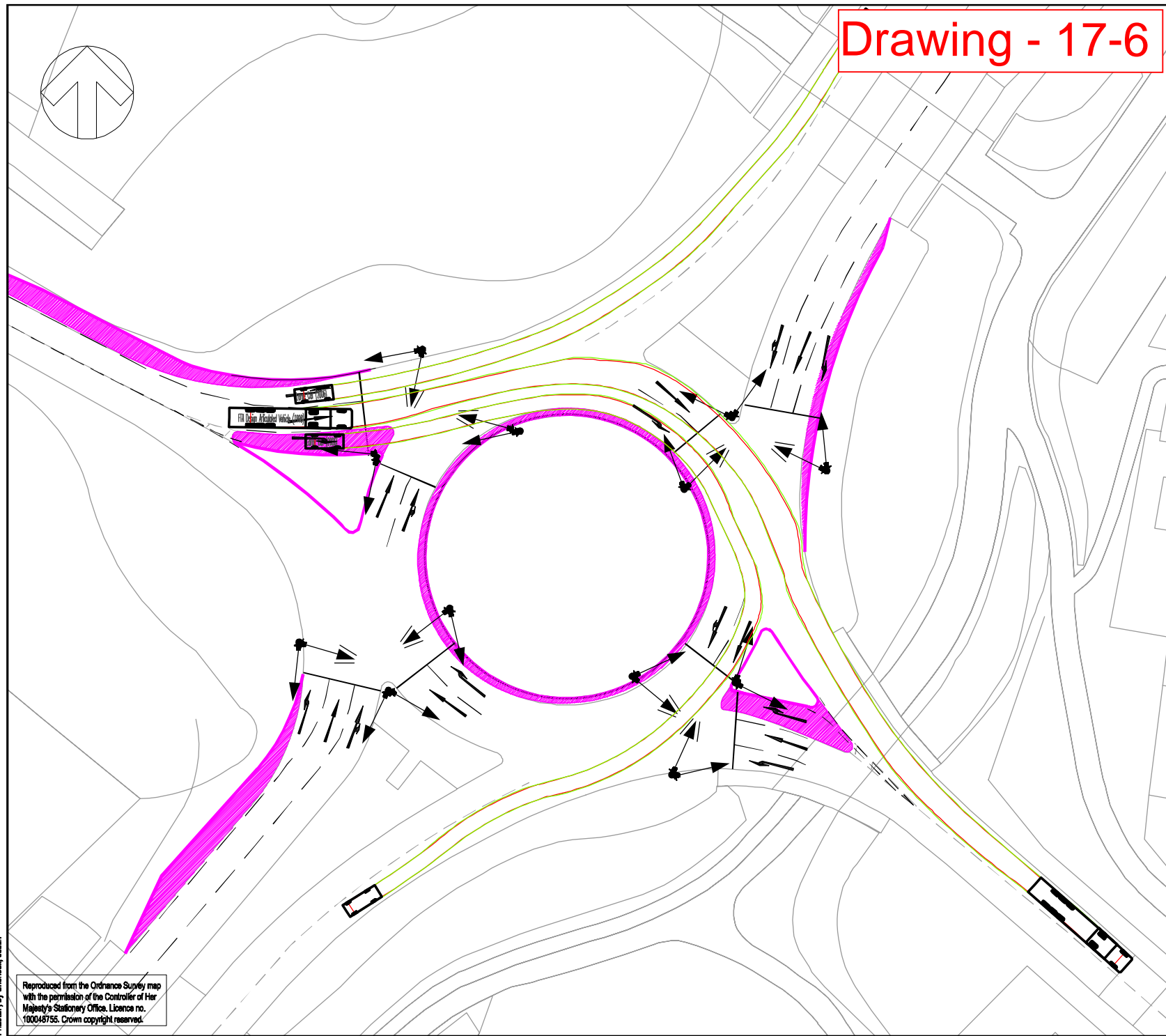
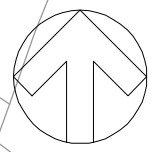
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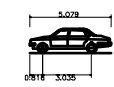
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Drawing - 17-6

DO NOT SCALE 094



FTA Design Articulated Vehicle (1998)
 Overall Length 16.48m
 Overall Width 2.57m
 Overall Body Height 3.37m
 Min Body Ground Clearance 0.31m
 Max Track Width 1.83m
 Lock to lock time 3.00s
 Kerb to Kerb Turning Radius 6.550m



Large Car (2006)
 Overall Length 5.079m
 Overall Width 1.827m
 Overall Body Height 1.525m
 Min Body Ground Clearance 0.310m
 Max Track Width 1.531m
 Lock to lock time 4.00s
 Kerb to Kerb Turning Radius 5.900m

| PO1 | 31/03/2021 | JS | INITIAL LAYOUT | CH | APP |
|-----|------------|----|----------------|-----|-----|
| REV | DATE | BY | DESCRIPTION | CHK | APP |

DRAWING STATUS: S2 - FOR INFORMATION

2 London Square, Cross Lanes, Guildford, GU1 1UN, UK
 T+ 44 (0) 1483 528 400
 wsp.com

CLIENT: South West Milton Keynes Consortium

ARCHITECT:

PROJECT: South West Milton Keynes

TITLE: Junction 17 Mitigation Emerson Roundabout Traffic Signals Option

| | | | | | |
|-------------|-------|----------|----|-----------|----|
| SCALE @ A1: | 1:500 | CHECKED: | JS | APPROVED: | JS |
|-------------|-------|----------|----|-----------|----|

| | | | | | | | |
|-------------|----------|-----------|----|--------|-----|-------|------------|
| PROJECT No: | 70089442 | DESIGNED: | JS | DRAWN: | SET | DATE: | March 2021 |
|-------------|----------|-----------|----|--------|-----|-------|------------|

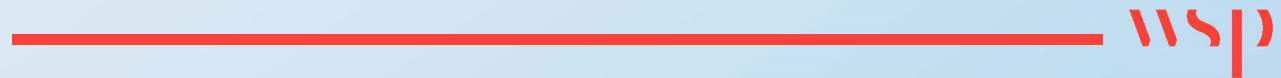
| | | | |
|-------------|------------------|------|-----|
| DRAWING No: | 70069442-017-ATR | REV: | P01 |
|-------------|------------------|------|-----|

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18

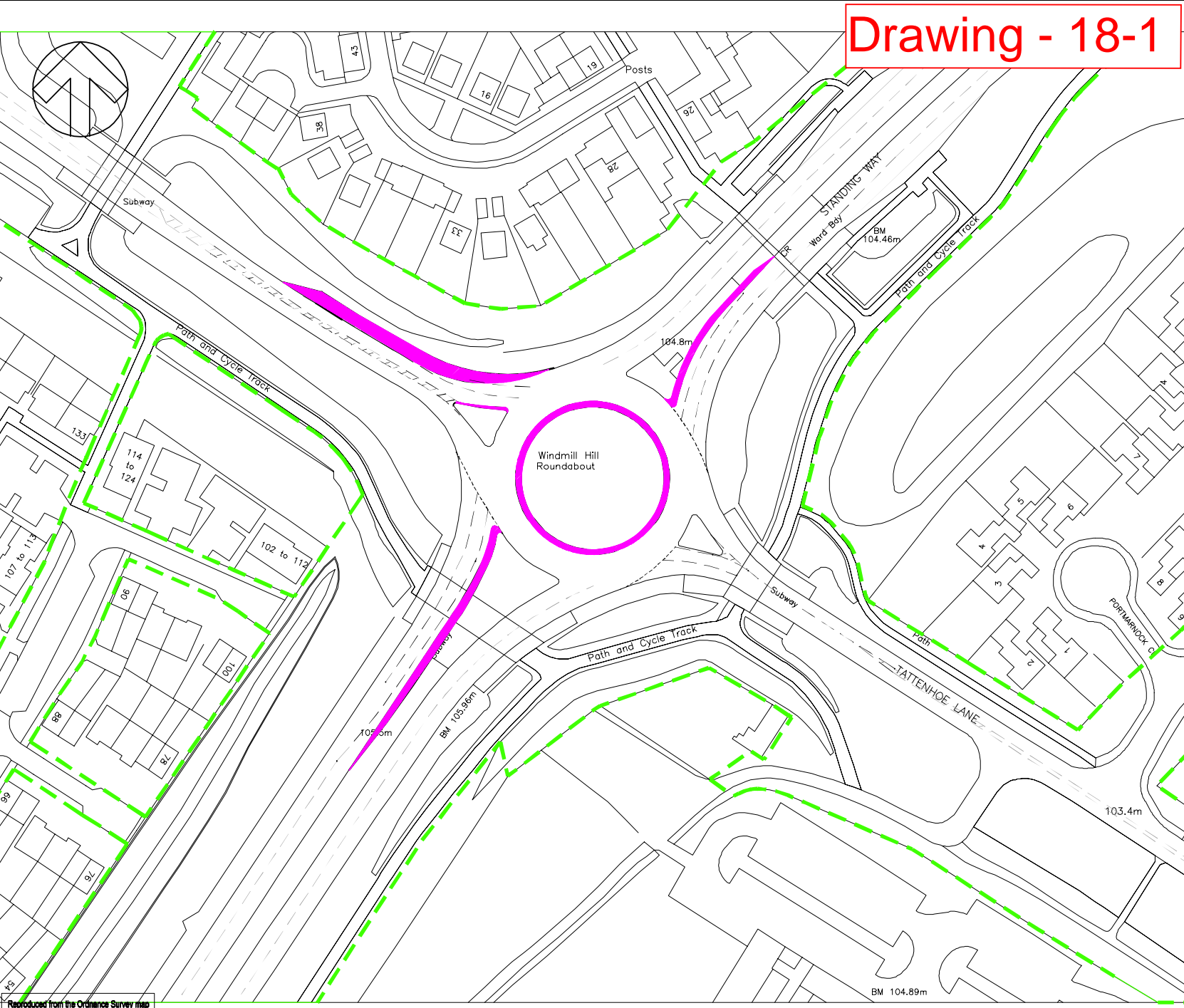
JUNCTION 18 - WINDMILL HILL ROUNDBABOUT MITIGATION PROPOSALS



Drawing - 18-1

DO NOT SCALE 096

- KEY**
-  Highway Boundary
 -  Kerb Amendments
 -  Carriageway Construction
 -  Footway Construction
 -  Verge Construction



| REV | DATE | BY | DESCRIPTION | CHK | APP |
|-----|------------|----|----------------|-----|-----|
| P02 | 26/01/2021 | JS | AMENDED LAYOUT | SH | JSP |
| P01 | 19/01/2021 | JS | NEW LAYOUT | SH | JSP |

DRAWING STATUS: S2 - FOR INFORMATION



2 London Square, Cross Lanes, Guildford, GU1 1UN, UK
T+ 44 (0) 1483 528 400
wsp.com

CLIENT: South West Milton Keynes Consortium

ARCHITECT:

PROJECT: South West Milton Keynes

TITLE: Junction 18 Mitigation Windmill Hill Roundabout

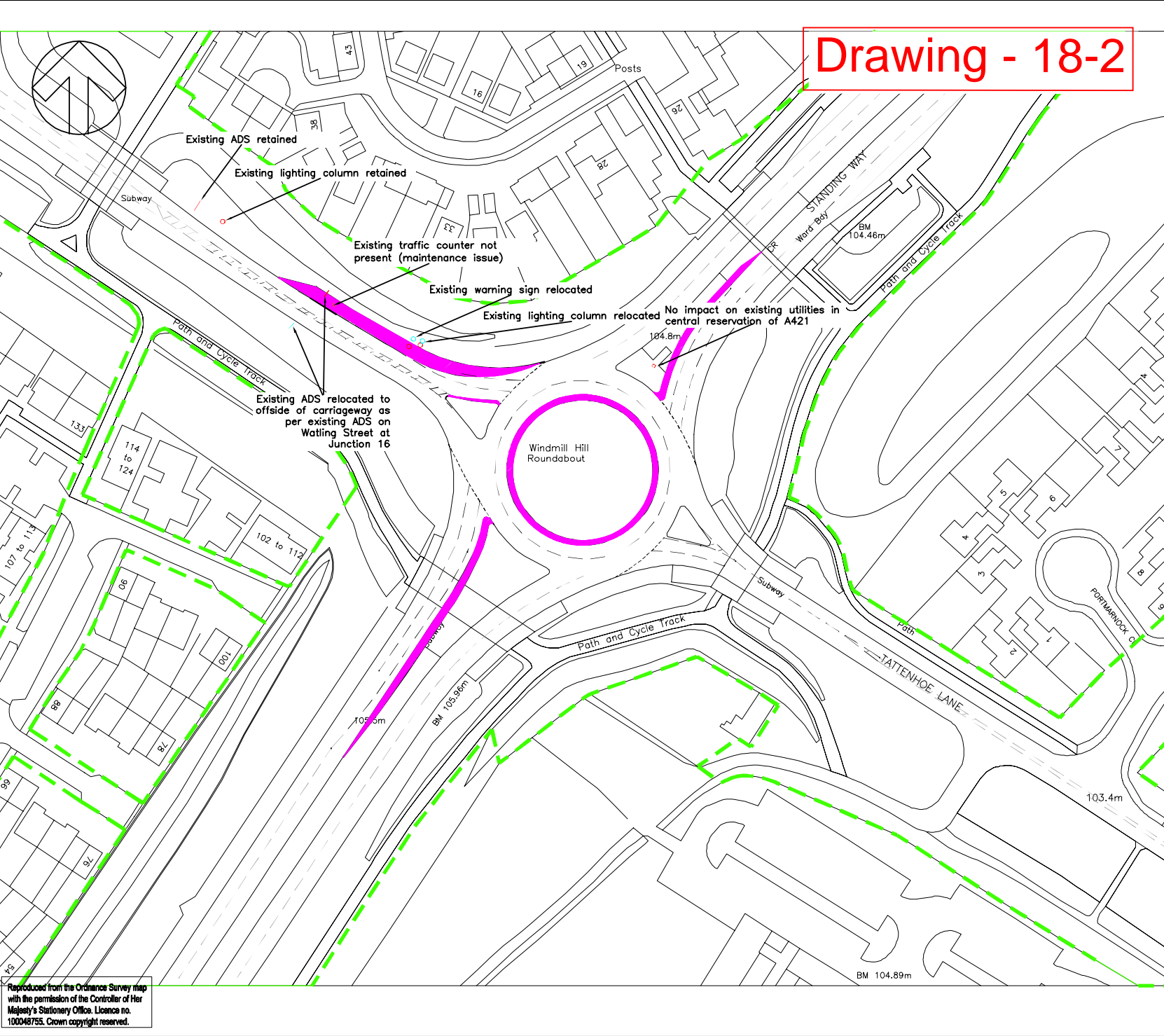
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|---------------------------------|---------------------------|---------------------|
| SCALE @ A1: 1:1000 | CHECKED: JS | APPROVED: JS |
| PROJECT No: 70069442 | DESIGNED: JS | DRAWN: SET |
| DRAWING No: 70069442-014 | DATE: January 2021 | REV: P02 |

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Drawing - 18-2



DO NOT SCALE 097

KEY

- Highway Boundary
- Kerb Amendments
- Carriageway Construction
- Footway Construction
- Verge Construction
- Lighting Column Existing
- Lighting Column Proposed
- Utility Cover Existing
- Utility Cover Proposed
- ADS Existing
- ADS Proposed
- Traffic counter existing

| REV | DATE | BY | DESCRIPTION | CHK | APP |
|-----|------------|----|------------------------------|-----|-----|
| P03 | 26/04/2021 | BM | ADDITIONAL INFORMATION ADDED | JS | JS |
| P02 | 26/01/2021 | JS | AMENDED LAYOUT | SH | A/P |
| P01 | 19/01/2021 | JS | NEW LAYOUT | SH | A/P |

DRAWING STATUS: S2 - FOR INFORMATION

2 London Square, Cross Lanes, Guildford, GU1 1UN, UK
T+ 44 (0) 1483 528 400
wsp.com

CLIENT: South West Milton Keynes Consortium

ARCHITECT:

PROJECT: South West Milton Keynes

TITLE: Junction 18 Mitigation Windmill Hill Roundabout

| | | |
|---------------------------------|-------------------------|---------------------|
| SCALE @ A1: 1:1000 | CHECKED: JS | APPROVED: JS |
| PROJECT No: 70069442 | DESIGNED: JS | DRAWN: SET |
| DRAWING No: 70069442-014 | DATE: April 2021 | REV: P03 |

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File name \\UK\WSPGROUP\CENTRAL DATA\PROJECTS\70069442 - SWMK - 202003 WIP\TP TRANSPORT PLANNING\ANALYSIS\2021 JUNCTION MODELLING\MITIGATION\18\18 - WINDMILL HILL RBT MITIGATION_P03.DWG, printed on 26 April 2021 21:32:36, by Shaohui, Justin

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Drawing - 18-3

DO NOT SCALE 098

KEY

- Highway Boundary
- Kerb Amendments
- Carriageway Construction
- Footway Construction
- Verge Construction

| REV | DATE | BY | DESCRIPTION | CHK | APP |
|-----|------------|----|---------------------|-----|-----|
| P02 | 23/03/2021 | JS | UPDATED ANNOTATIONS | SH | M/P |
| P01 | 25/02/2021 | JS | INITIAL LAYOUT | SH | M/P |

DRAWING STATUS: S2 - FOR INFORMATION



2 London Square, Cross Lanes, Guildford, GU1 1UN, UK
T+ 44 (0) 1483 528 400
wsp.com

CLIENT: South West Milton Keynes Consortium

ARCHITECT:

PROJECT: South West Milton Keynes

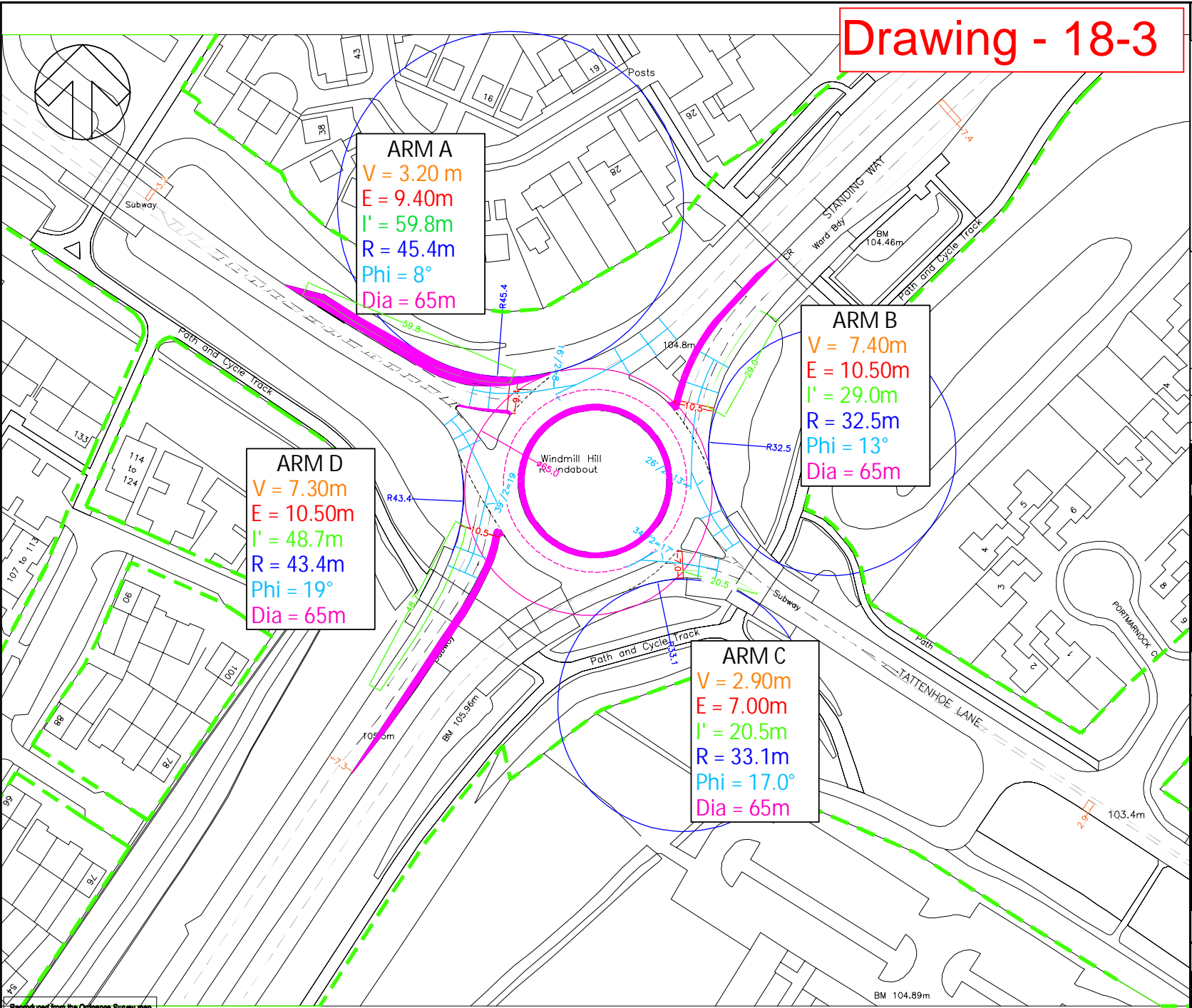
TITLE: Junction 18 Mitigation Windmill Hill Roundabout - Modelling Dimensions

| | | |
|--------------------|-------------|--------------|
| SCALE @ A1: 1:1000 | CHECKED: JS | APPROVED: JS |
|--------------------|-------------|--------------|

| | | | |
|----------------------|--------------|------------|------------------|
| PROJECT No: 70069442 | DESIGNED: JS | DRAWN: SET | DATE: March 2021 |
|----------------------|--------------|------------|------------------|

| | |
|------------------------------|----------|
| DRAWING No: 70069442-014-DIM | REV: P02 |
|------------------------------|----------|

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ARM A
 $V = 3.20\text{m}$
 $E = 9.40\text{m}$
 $l' = 59.8\text{m}$
 $R = 45.4\text{m}$
 $\Phi = 8^\circ$
 $\text{Dia} = 65\text{m}$

ARM B
 $V = 7.40\text{m}$
 $E = 10.50\text{m}$
 $l' = 29.0\text{m}$
 $R = 32.5\text{m}$
 $\Phi = 13^\circ$
 $\text{Dia} = 65\text{m}$

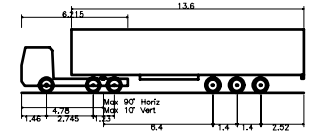
ARM D
 $V = 7.30\text{m}$
 $E = 10.50\text{m}$
 $l' = 48.7\text{m}$
 $R = 43.4\text{m}$
 $\Phi = 19^\circ$
 $\text{Dia} = 65\text{m}$

ARM C
 $V = 2.90\text{m}$
 $E = 7.00\text{m}$
 $l' = 20.5\text{m}$
 $R = 33.1\text{m}$
 $\Phi = 17.0^\circ$
 $\text{Dia} = 65\text{m}$

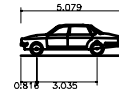
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Drawing - 18-4

DO NOT SCALE 099



Articulated Vehicle with Twin Steered Tractor
 Overall Length 13.600m
 Overall Width 2.550m
 Overall Body Height 3.691m
 Min Body Ground Clearance 0.422m
 Max Track Width 2.500m
 Lock to lock time 6.00s
 Kerb to Kerb Turning Radius 6.987m



Large Car (2006)
 Overall Length 5.079m
 Overall Width 1.872m
 Overall Body Height 1.525m
 Min Body Ground Clearance 0.310m
 Max Track Width 1.831m
 Lock to lock time 4.00s
 Kerb to Kerb Turning Radius 5.900m

| P01 | 15/03/2021 | JK | FIRST ISSUE | J5 | J5 |
|-----|------------|----|-------------|-----|-----|
| REV | DATE | BY | DESCRIPTION | CHK | APP |

DRAWING STATUS: S2 - FOR INFORMATION



2 London Square, Cross Lanes, Guildford, GU1 1UN, UK
 T+ 44 (0) 1483 528 400
 wsp.com

CLIENT: SOUTH WEST MILTON KEYNES CONSORTIUM

ARCHITECT:

PROJECT: SOUTH WEST MILTON KEYNES

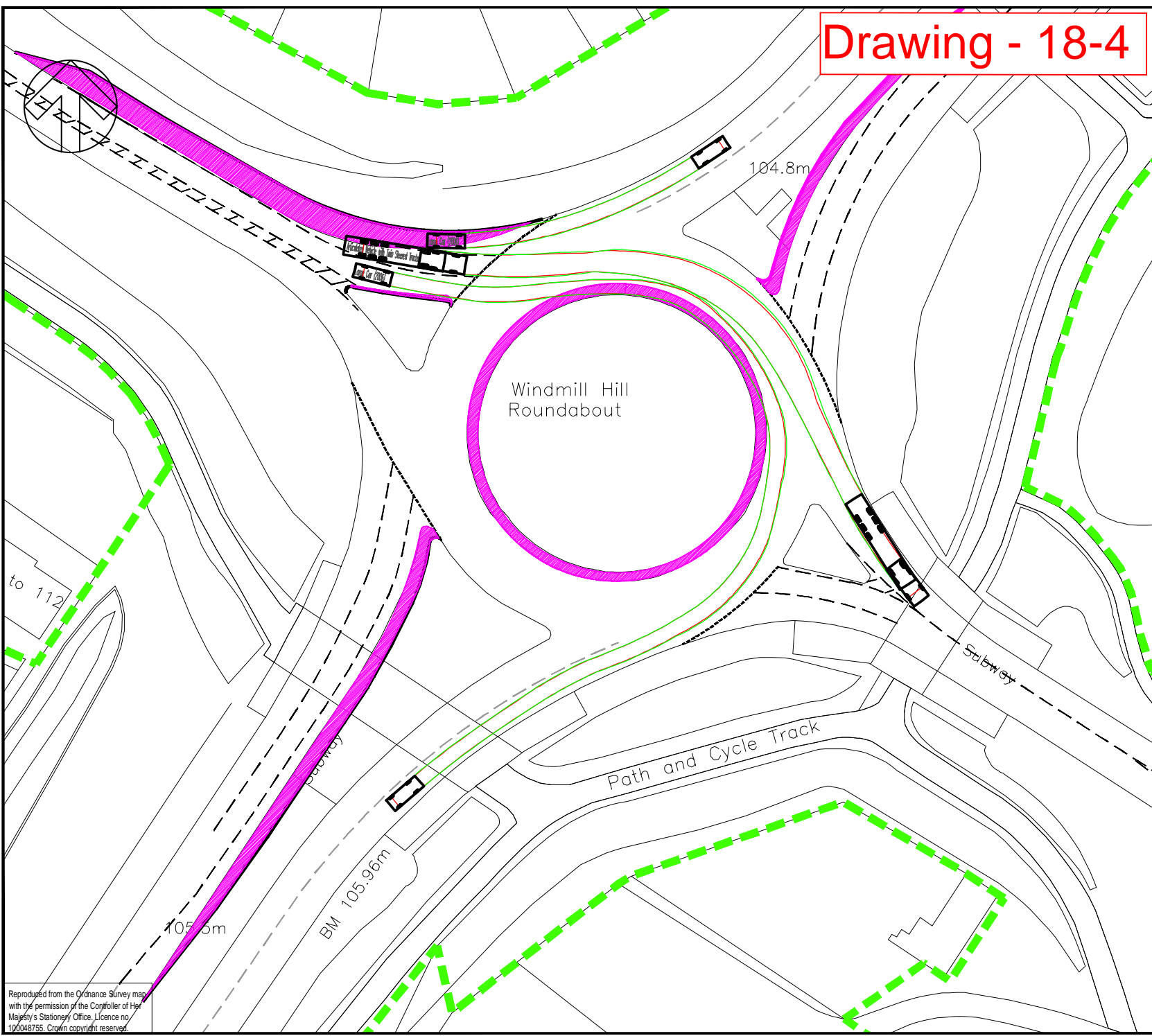
TITLE: J18 - WINDMILL HILL ROUNDABOUT JUNCTION MITIGATION

SCALE @ A3: 1:500
 CHECKED: JS
 APPROVED: JS

PROJECT No: 70069442
 DESIGNED: ST
 DRAWN: JK
 DATE: March 21

DRAWING No: 9442-TP-ATR-018
 REV: P01

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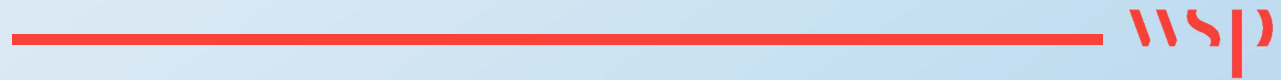


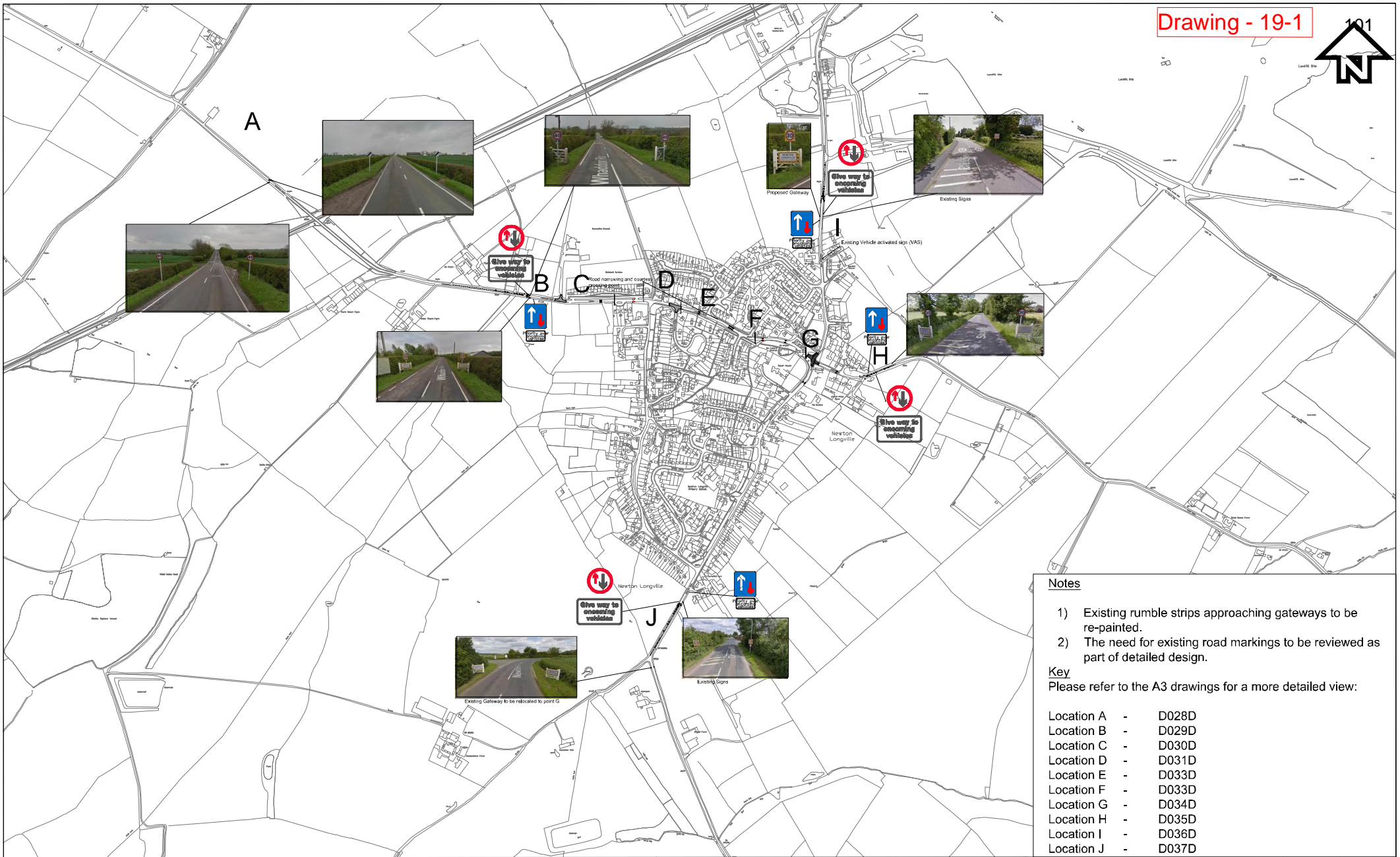
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File name \\UK.WSPGROUP.COM\CENTRAL_DATA\PROJECTS\70069442\0069442 - SWMK - 2020\03 WIRTP TRANSPORT PLANNING\ANALYSIS\2021 JUNCTION MODELLING\MITIGATION\18\J18 - WINDMILL HILL RBT MITIGATION_ATR.DWG, printed on 17 March 2021 09:44:07 by Sheelack, Justin

19

NEWTON LONGVILLE TRAFFIC CALMING





Notes

- 1) Existing rumble strips approaching gateways to be re-painted.
- 2) The need for existing road markings to be reviewed as part of detailed design.

Key
Please refer to the A3 drawings for a more detailed view:

Location A - D028D
 Location B - D029D
 Location C - D030D
 Location D - D031D
 Location E - D033D
 Location F - D033D
 Location G - D034D
 Location H - D035D
 Location I - D036D
 Location J - D037D

| | | | | | | | | | | | | | |
|--|-----------|----|-------|------|-------|---|--|---------------------------------------|---------------|------------|---------------|-------------|---------------|
| At original drawing size (A3) this line measures 50mm | | | | | | Cad Ref. No. L:\106xxx\1067760 South West Milton Keynes\12 Dwgs | | Drawn JK | Date 21-02-17 | Checked MP | Date 21-02-17 | Approved MP | Date 21-02-17 |
| Notes | | | | | | Project | | Scale 1:5000@A1 | | | | | |
| Contains OS data © Crown copyright (and database right) (2015) | | | | | | SOUTH WEST MILTON KEYNES | | Job No. 1067760 | | | | | |
| SUBJECT TO CONFIRMATION OF HIGHWAY OWNERSHIP OF LAND | | | | | | Title | | Client SWMK Consortium | | | | | |
| D Amendments to Individual Drawings JK SH 03-03-17 SH | | | | | | PROPOSED TRAFFIC CALMING STRATEGY FOR NEWTON LONGVILLE | | Export House Woking, Surrey. GU21 6QX | | | | | |
| C Amendments to Individual Drawings JK MP 21-02-17 MP | | | | | | | | Tel: +44 (0)1483 731000 | | | | | |
| B Additional drawings added and change in bollard size JK MP 21-12-16 MP | | | | | | | | Fax: +44 (0)1483 731010 | | | | | |
| A Bollards added JK MP 18-11-16 MP | | | | | | | | Drawing No. D027 | | | | | |
| Rev. | Amendment | By | Chkd. | Date | Appd. | | | Rev. D | | | | | |

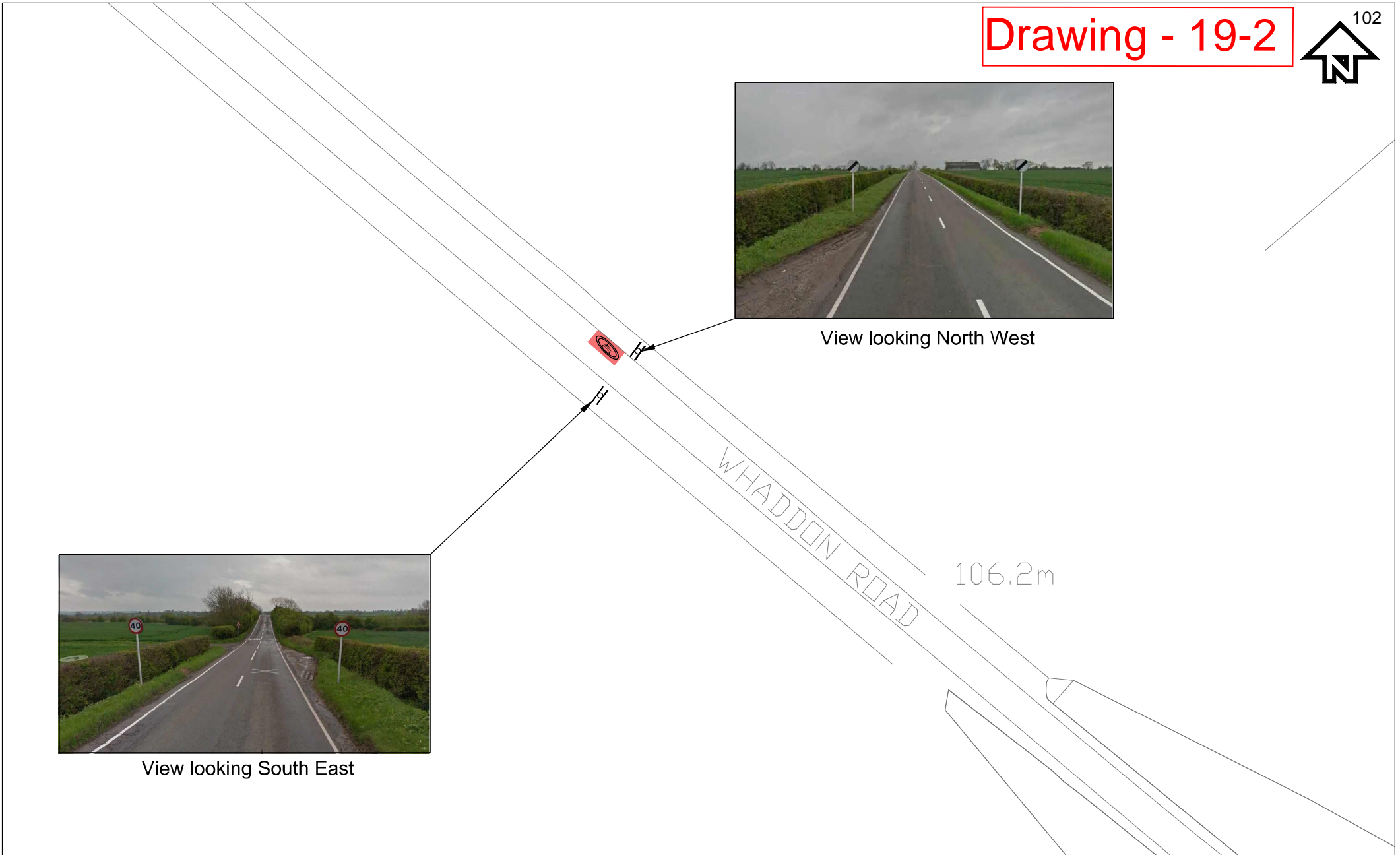
Drawing - 19-2



View looking North West



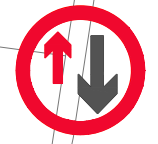
View looking South East



| | | | | | | | | | | | | | |
|--|--|--|--|---|--|--|--|--|---------------|------------------|---------------|-------------|---------------|
| At original drawing size (A3) this line measures 50mm | | | | Cad Ref. No. L:\106xxx\1067760 South West Milton Keynes\12 Dwgs | | | | Drawn JK | Date 21-02-17 | Checked SH | Date 21-02-17 | Approved MP | Date 21-02-17 |
| Notes Reflective bollards to be included at all bulkouts and road narrowings to increase visibility of the features during hours of darkness. Contains OS data © Crown copyright (and database right) (2017). DRAWING TO BE READ IN CONJUNCTION WITH D027 TRAFFIC CALMING STRATEGY FOR NEWTON LONGVILLE | | | | Project SOUTH WEST MILTON KEYNES | | | | | | Scale 1:500@A3 | | | |
| | | | | Title LOCATION A: SPEED LIMIT BOUNDARY TO WHADDON ROAD | | | | | | Job No. 1067760 | | | |
| D Amendments to other drawings in set JK SH 03-03-17 SH MP C Red Hatching added JK MP 21-02-17 MP B Additional notation and removal of roundel JK MP 21-12-16 MP A Roundels added JK MP 18-11-16 MP | | | | | | | | Client SWMK Consortium | | Drawing No. D028 | | | |
| Rev. Amendment | | | | By Chkd. Date Appd. | | | | Export House Woking, Surrey GU21 6GX Tel: +44 (0)1483 731000 Fax: +44 (0)1483 731010 | | Rev. D | | | |



View looking West



Give way to oncoming vehicles

Priority buildout

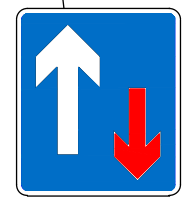
95.1m

Rumble strips to be painted yellow in accordance with DMRB TA87/04

30mph speed limit roundel



View looking East



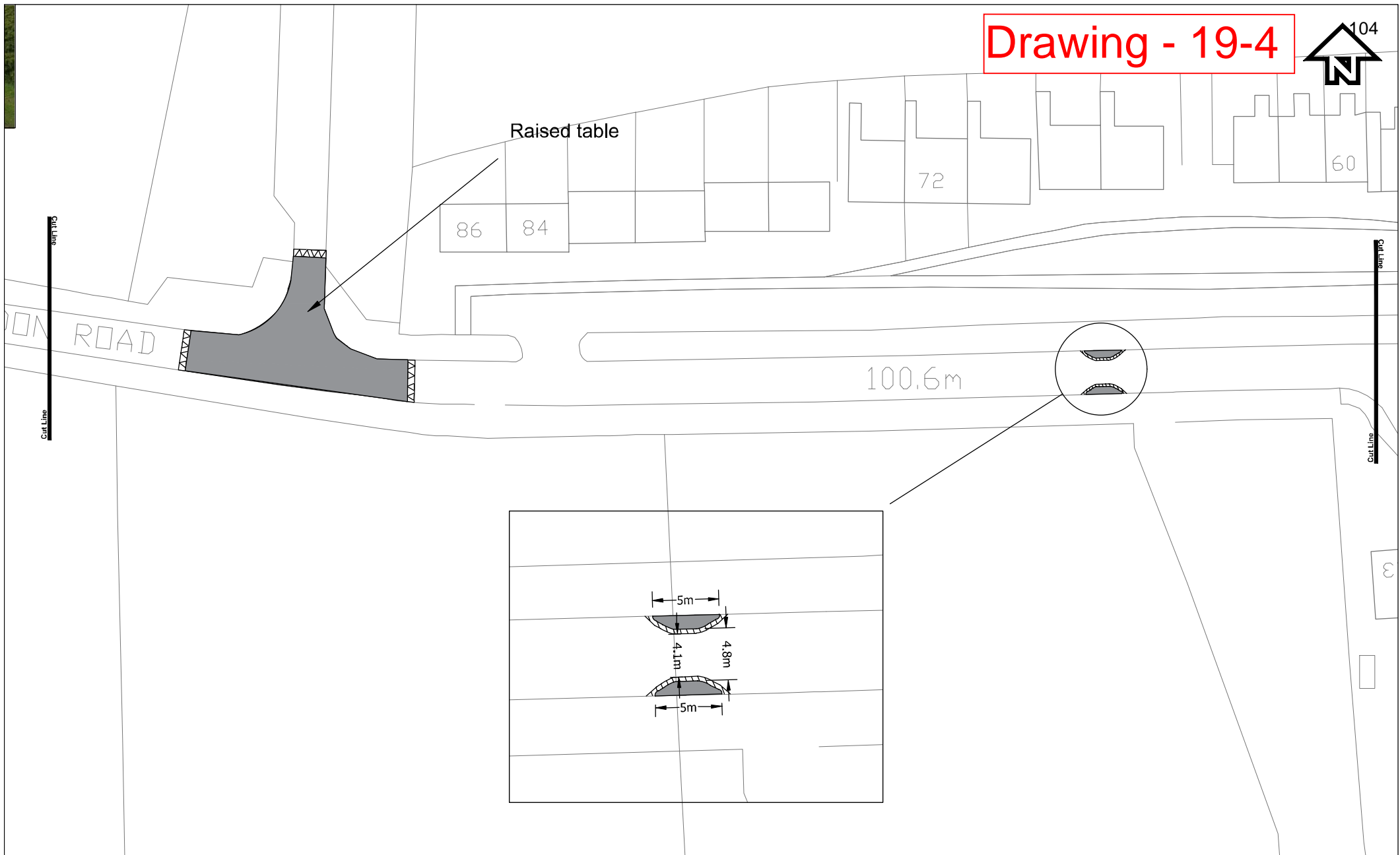
Priority over oncoming vehicles

WHADDON ROAD

Cut Line

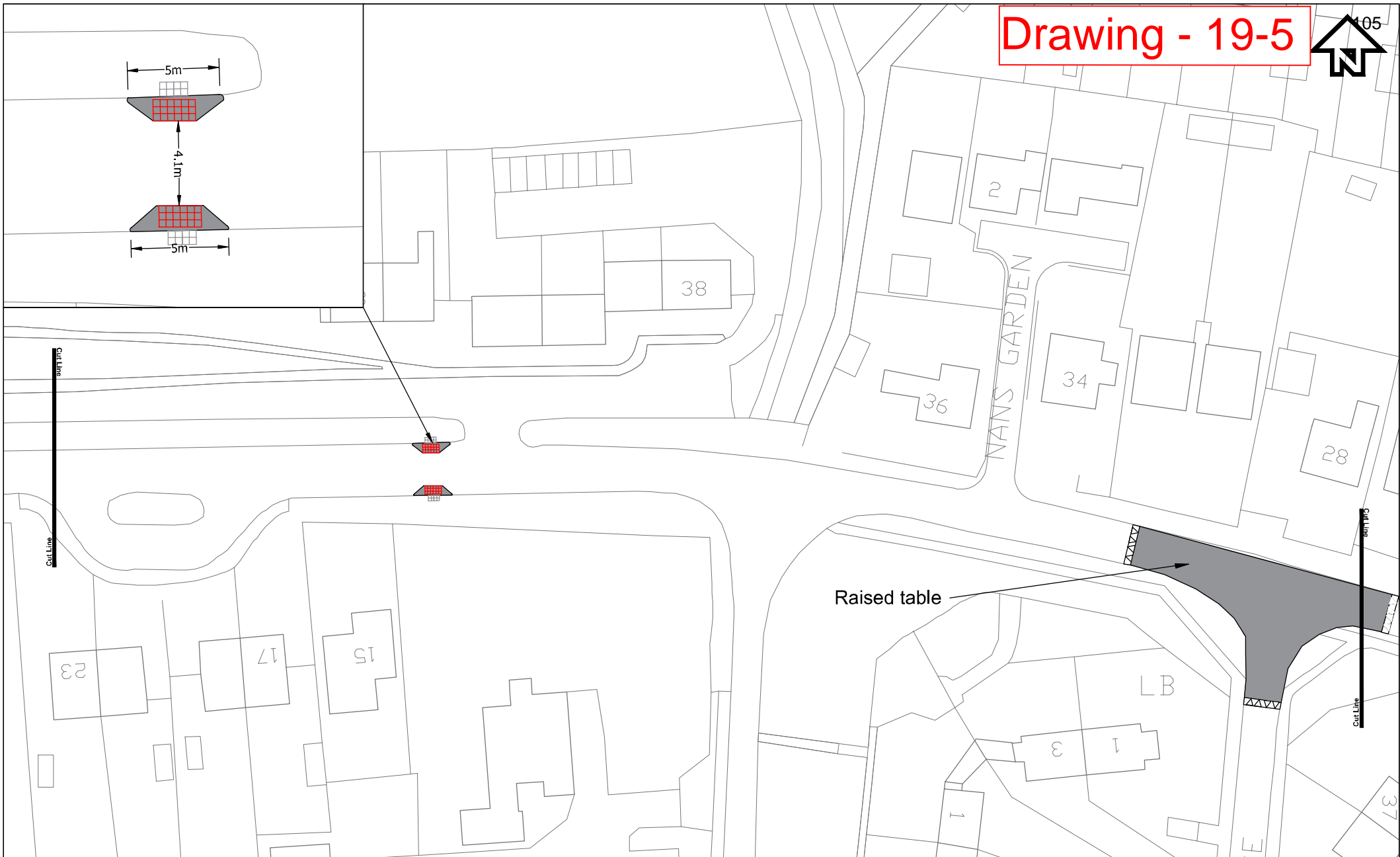
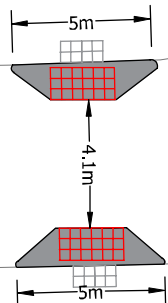
| | | | | | | | | | | | | |
|---|--|----|-------|----------|-------|--|----------|---------------|---------------------------|---------------|-------------|---------------|
| At original drawing size (A3) this line measures 50mm | | | | | | Cad Ref. No. L:\106xxx\1067760 South West Milton Keynes\12 Dwgs | Drawn JK | Date 21-02-17 | Checked SH | Date 21-02-17 | Approved MP | Date 21-02-17 |
| Notes Reflective bollards to be included at all buildouts and road narrowings to increase visibility of the features during hours of darkness. Contains OS data © Crown copyright (and database right) (2017) DRAWING TO BE READ IN CONJUNCTION WITH D027 TRAFFIC CALMING STRATEGY FOR NEWTON LONGVILLE | | | | | | Project SOUTH WEST MILTON KEYNES | | | Scale 1:500@A3 | | | |
| D | Additional features added | JK | SH | 03-03-17 | SH | Title LOCATION B: ENHANCEMENT TO VILLAGE GATEWAY ON WHADDON ROAD | | | Client SWMK Consortium | | | |
| C | Cycle Bypass Added | JK | MP | 21-02-17 | MP | Export House Woking, Surrey, GU21 6QX Tel: +44 (0)1483 731000 Fax: +44 (0)1483 731010 | | | Job No. 1067760 | | | |
| B | Additional notation and change in size of bollards | JK | MP | 21-12-16 | MP | | | | Rev. D | | | |
| A | Addition of roundel | JK | MP | 18-11-16 | MP | | | | Drawing No. D029 | | | |
| Rev. | Amendment | By | Chkd. | Date | Appd. | | | | | | | |

Drawing - 19-4



| | | | | | | | | | | | |
|---|--|---|-------|------|-------|--|---------------|------------------------|---------------|------------------|---------------|
| At original drawing size (A3) this line measures 50mm | | Cad Ref. No. L:\106xxx\1067760 South West Milton Keynes\12 Dwgs | | | | Drawn JK | Date 21-02-17 | Checked SH | Date 21-02-17 | Approved MP | Date 21-02-17 |
| Notes Reflective bollards to be included at all bulbouts and road narrowings to increase visibility of the features during hours of darkness. Contains OS data © Crown copyright [and database right] (2017) | | Project SOUTH WEST MILTON KEYNES | | | | | | Scale 1:500@A3 | | Job No. 1067760 | |
| DRAWING TO BE READ IN CONJUNCTION WITH D027 TRAFFIC CALMING STRATEGY FOR NEWTON LONGVILLE | | Title LOCATION C: ROAD NARROWING ALONG WHADDON ROAD | | | | | | Client SWMK Consortium | | Drawing No. D030 | |
| D Additional features added C Widening and Removal of bulbouts B Change of scale A Bollards added | JK SH 03-03-17 SH MP JK MP 21-02-17 MP MP JK MP 21-12-16 MP MP JK MP 18-11-16 MP MP | By | Chkd. | Date | Appd. | Export House Woking, Surrey, GU21 6QX Tel: +44 (0)1483 731000 Fax: +44 (0)1483 731010 | | | | | |

Drawing - 19-5



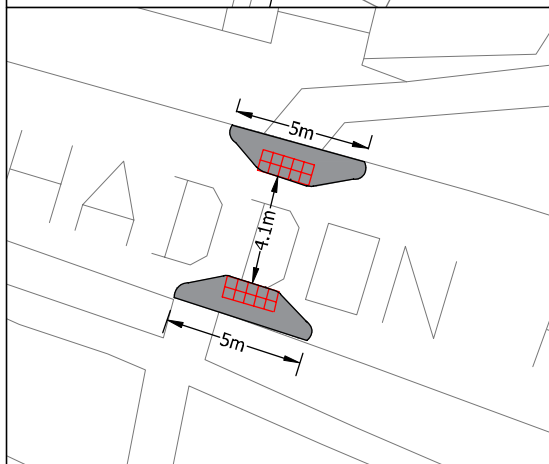
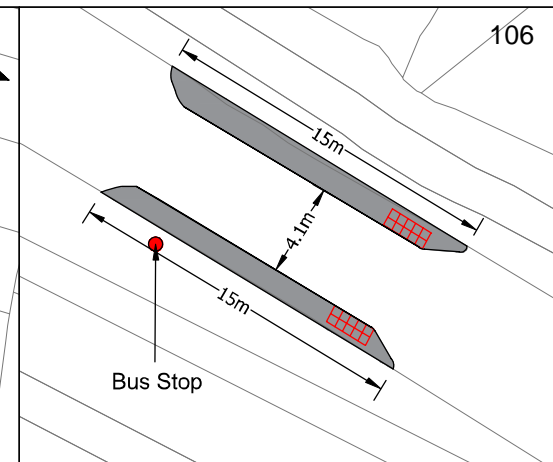
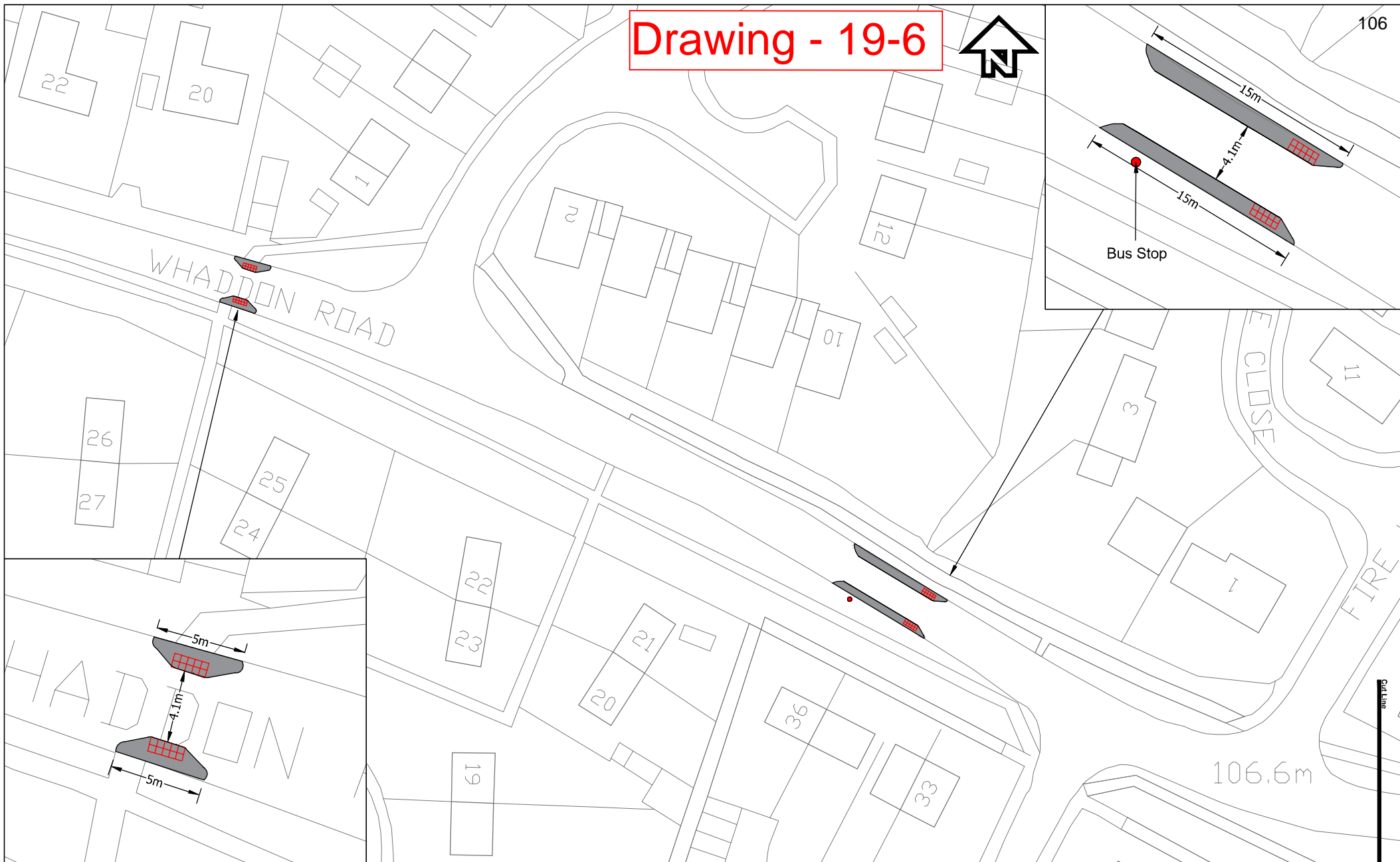
At original drawing size (A3) this line measures 50mm

| | | | | | | | |
|---|--|--|--|---|---|--|----------------------------------|
| Notes Reflective bollards to be included at all bulbouts and road narrowings to increase visibility of the features during hours of darkness. Contains OS data © Crown copyright [and database right] (2017) DRAWING TO BE READ IN CONJUNCTION WITH D027 TRAFFIC CALMING STRATEGY FOR NEWTON LONGVILLE | D Additional features added C Build out Relocation B Change in bollard size and drawings scale A Bollards Added | JK SH 03-03-17 SH JK MP 21-02-17 MP JK MP 21-12-16 MP JK MP 18-11-16 MP | Project SOUTH WEST MILTON KEYNES Title LOCATION D: ROAD NARROWING ALONG WHADDON ROAD | Drawn JK Date 21-02-17 Checked SH | Date 21-02-17 Approved MP Date 21-02-17 | Scale 1:500@A3 Job No. 1067760 Client SWMK Consortium | Drawing No. D031 Rev. D |
| | Rev. Amendment: | By Chkd. Date Appd. | Export House Woking, Surrey, GU21 6QX Tel: +44 (0)1483 731000 Fax: +44 (0)1483 731010 | | | | |

Drawing - 19-6



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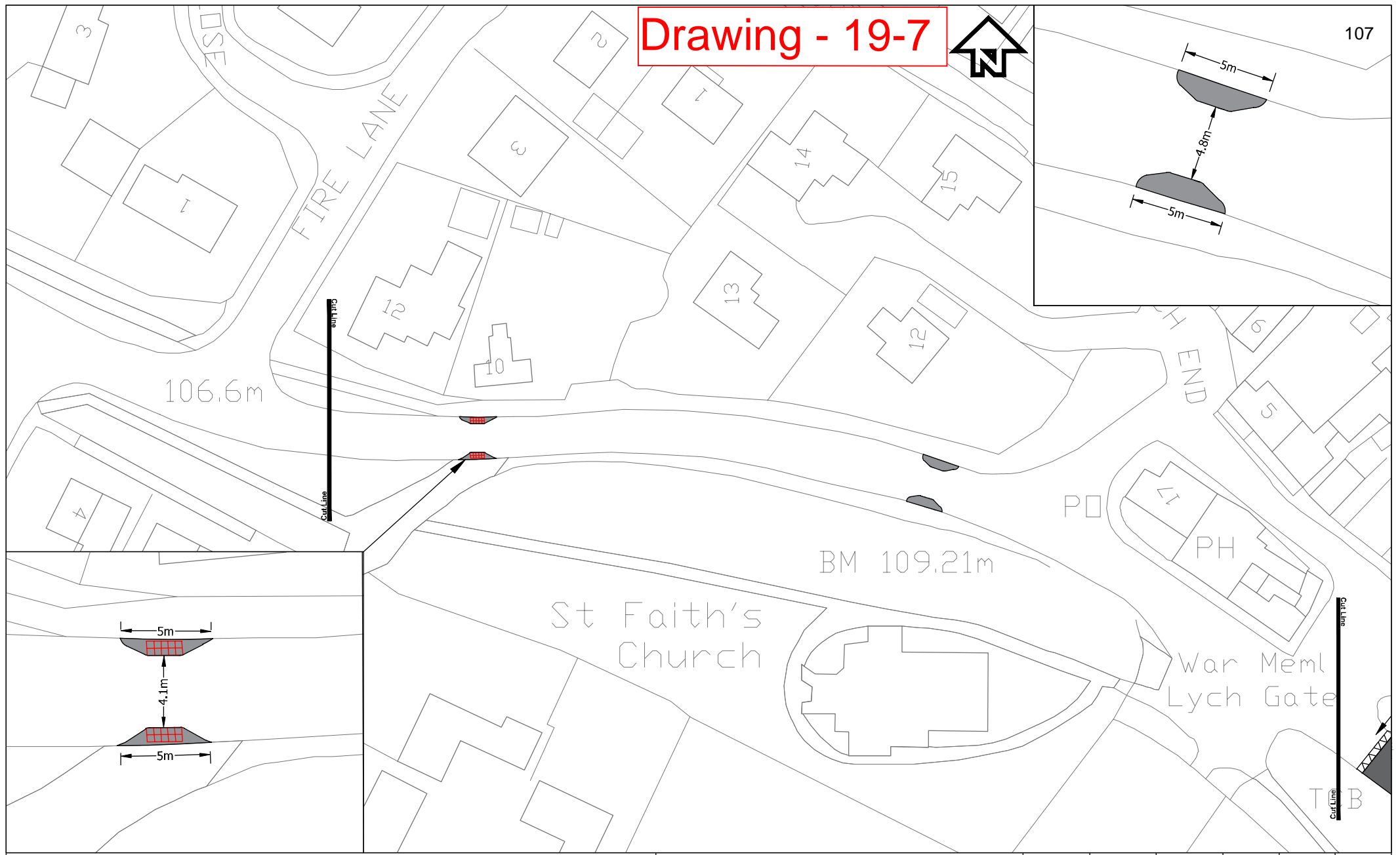


| | | | | | | | | | | | | | |
|---|--|--|--|---|--|--|--|--|---------------|------------------------|---------------|------------------|---------------|
| At original drawing size (A3) this line measures 50mm | | | | Cad Ref. No. L:\106xxx\1067760 South West Milton Keynes\12 Dwg's | | | | Drawn JK | Date 21-02-17 | Checked SH | Date 21-02-17 | Approved MP | Date 21-02-17 |
| Notes Reflective bollards to be included at all bulkouts and road narrowings to increase visibility of the features during hours of darkness. Contains OS data © Crown copyright (and database right) (2017) DRAWING TO BE READ IN CONJUNCTION WITH D027 TRAFFIC CALMING STRATEGY FOR NEWTON LONGVILLE | | | | Project SOUTH WEST MILTON KEYNES | | | | | | Scale 1:500@A3 | | Job No. 1067760 | |
| Rev. Amendment | | | | Title LOCATION E: ROAD NARROWING AND CROSSING POINTS ALONG WHADDON ROAD | | | | | | Client SWMK Consortium | | Drawing No. D032 | |
| D Additional features added C Rearrangement of bollards B Change in bollard size and drawings scale A Bollards added | | | | JK SH 03-03-17 SH JK MP 21-02-17 MP JK MP 21-12-16 MP JK MP 18-11-16 MP | | | | Export House Woking, Surrey, GU21 6QX Tel: +44 (0)1483 731000 Fax: +44 (0)1483 731010 | | Approved MP | | Rev. D | |

Drawing - 19-7

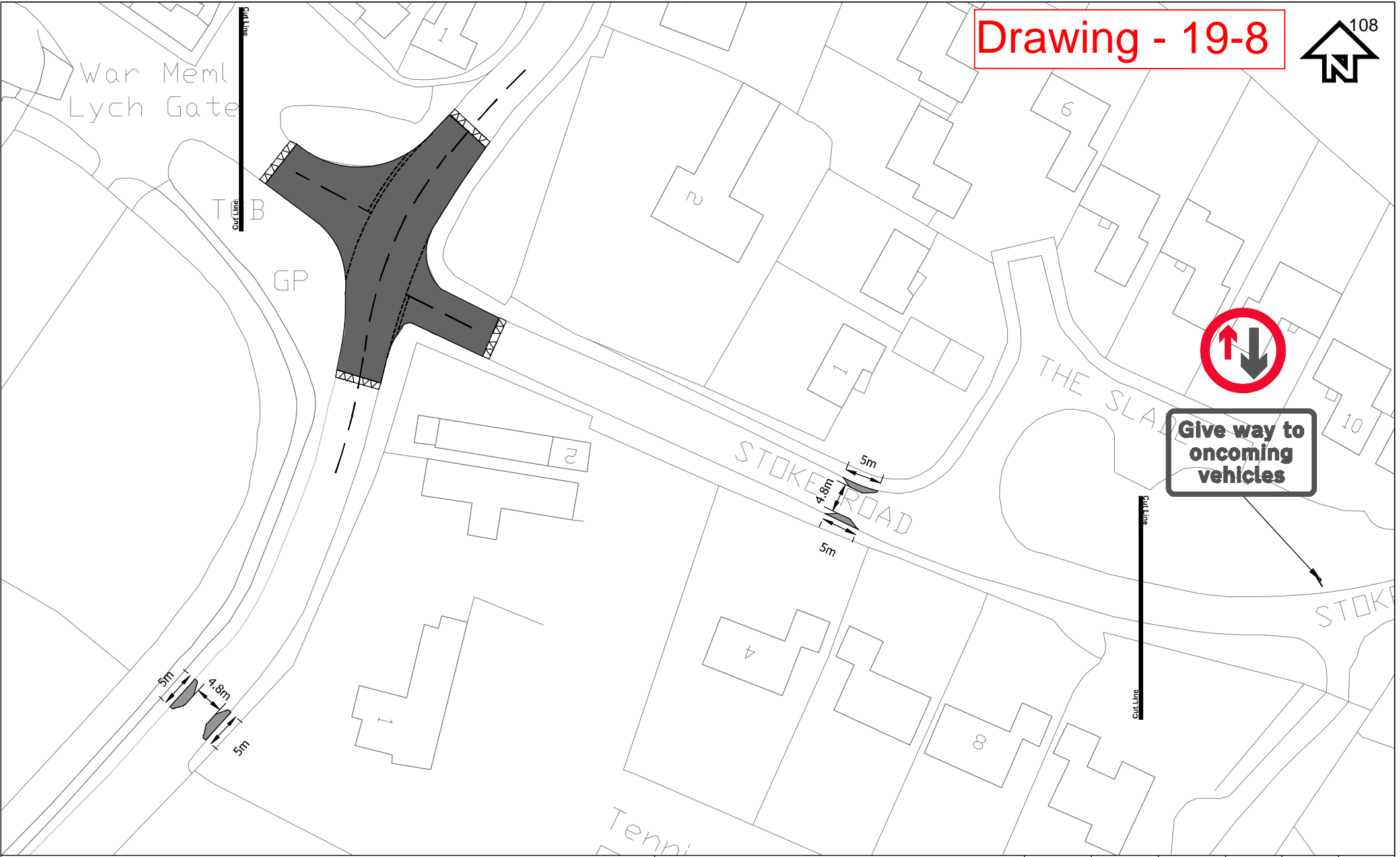


107



| | | | | | | | | | | | |
|---|-----------|---|-------------------------|-------------------------|--|---|-------------------------------------|---------------------------|---------------|---------------------|-----------------------------------|
| At original drawing size (A3) this line measures 50mm | | Cad Ref. No. L:\106xxx\1067760 South West Milton Keynes\12 Dwgs | | | | Drawn JK | Date 21-02-17 | Checked SH | Date 21-02-17 | Approved MP | Date 21-02-17 |
| Notes Reflective bollards to be included at all buildouts and road narrowings to increase visibility of the features during hours of darkness. Contains OS data © Crown copyright [and database right] (2017) DRAWING TO BE READ IN CONJUNCTION WITH D027 TRAFFIC CALMING STRATEGY FOR NEWTON LONGVILLE | | D Additional features added C Removal and relocation of buildouts B Change in bollard size and drawings scale A Bollards added | JK SH JK MP JK MP | SH MP MP MP MP MP | 03-03-17 21-02-17 21-12-16 18-11-16 | SH MP MP MP MP MP | Project SOUTH WEST MILTON KEYNES | | | | Scale 1:500@A3 Job No. 1067760 |
| Rev. | Amendment | By | Chkd. | Date | Appd. | Title LOCATION F: ROAD NARROWING AND CROSSING POINT ALONG WHADDON ROAD | | Client SWMK Consortium | | Drawing No. D033 | Rev. D |
| Export House Woking, Surrey, GU21 6QX Tel: +44 (0)1483 731000 Fax: +44 (0)1483 731010 | | | | | | | | | | | |

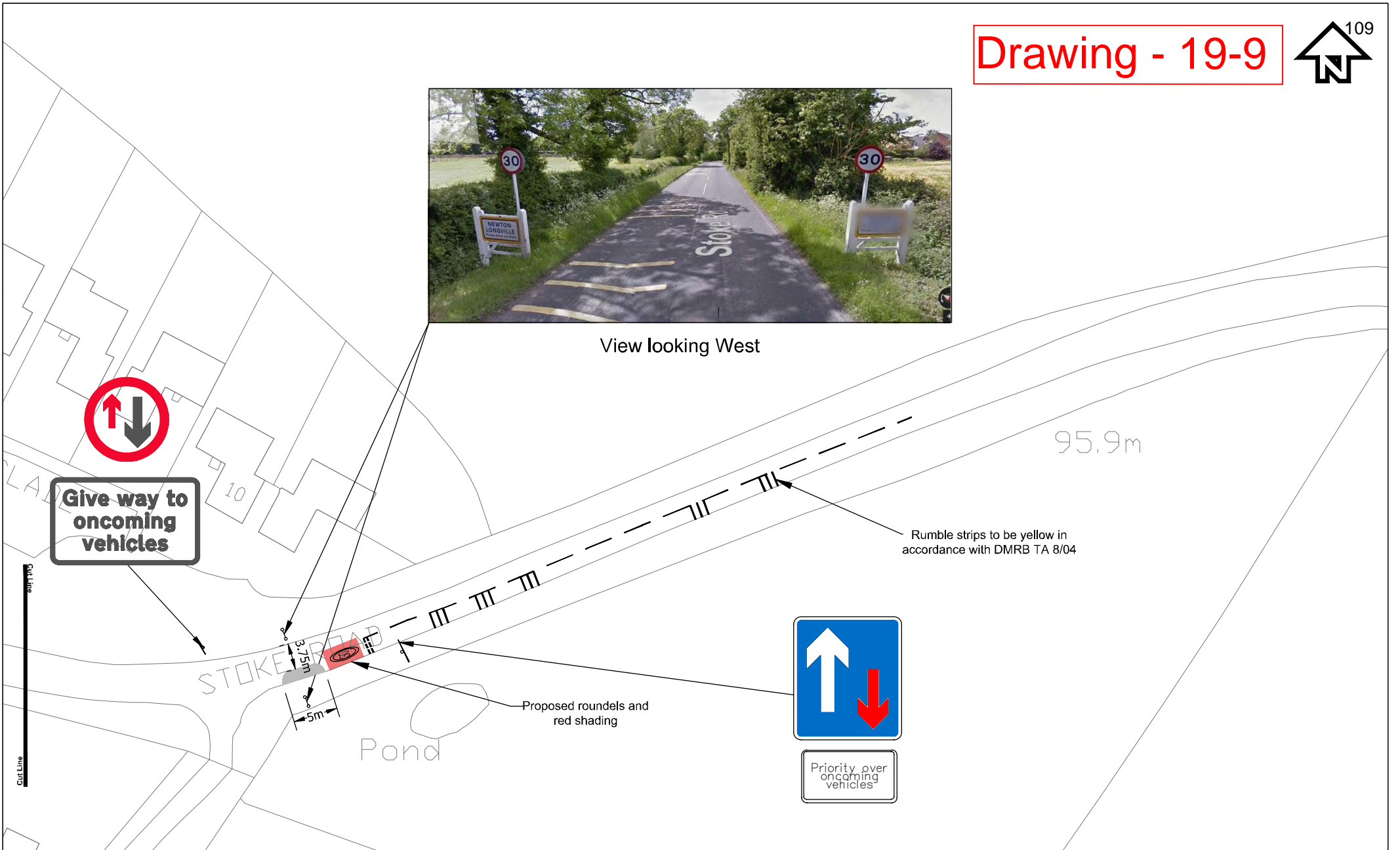
Drawing - 19-8



| | | | | | | | | | | | | |
|---|--|--|--|--|--|--|----------|--|------------|------------------|-------------|---------------|
| At original drawing size (A3) this line measures 50mm | | | | | | Cad Ref. No. L:\106xxx\1067760 South West Milton Keynes\12 Dwgs | Drawn JK | Date 21-02-17 | Checked SH | Date 21-02-17 | Approved MP | Date 21-02-17 |
| Notes Reflective bollards to be included at all buildouts and road narrowings to increase visibility of the features during hours of darkness. Contains OS data © Crown copyright [and database right] (2017). DRAWING TO BE READ IN CONJUNCTION WITH D027 TRAFFIC CALMING STRATEGY FOR NEWTON LONGVILLE | | | | | | Project SOUTH WEST MILTON KEYNES | | Export House Woking, Surrey, GU21 6QX Tel: +44 (0)1483 731000 Fax: +44 (0)1483 731010 | | Scale 1:500@A3 | | |
| D Amendments to other drawings in set C Removal of roundabout and addition of raised table B Addition of bollards A Hatching and Granite strips | | | | | | Title LOCATION G: NEWTON LONGVILLE CROSSROADS POTENTIAL MITIGATION SCHEME | | | | Job No. 1067760 | | |
| Rev. Amendment By Chkd. Date Appd. | | | | | | JK SH 03/03/16 SH JK MP 21/02/17 MP CEW SH 13/06/16 MP CEW SH 13/06/16 MP | | Client SWMK Consortium | | Drawing No. D034 | | |



View looking West



| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|----|-------|----------|-------|--|--|-----------------|----|----------|----|--|----------|---------|----|------|----------|----------|----|------|----------|---|--|-------|--|----------|--|
| At original drawing size (A3) this line measures 50mm | | | | | | Cad Ref. No. | L:\106xxx\1067760 South West Milton Keynes\12 Dwgs | | | Drawn | JK | Date | 21-02-17 | Checked | SH | Date | 21-02-17 | Approved | MP | Date | 21-02-17 | | | | | | |
| Notes Reflective bollards to be included at all buildouts and road narrowings to increase visibility of the features during hours of darkness. Contains OS data © Crown copyright [and database right] (2017) DRAWING TO BE READ IN CONJUNCTION WITH D027 TRAFFIC CALMING STRATEGY FOR NEWTON LONGVILLE | | | | | | D | Amendments to other drawings in set | JK | SH | 03-03-17 | SH | Project SOUTH WEST MILTON KEYNES Title LOCATION H: ENHANCEMENT TO VILLAGE GATEWAY ON STOKE ROAD | | | | | | | | | | | | Scale | | 1:500@A3 | |
| C | Relocation of Build out and Rumble Strips | JK | MP | 21-02-17 | MP | Job No. | | 1067760 | | | | | | | | | | | | | | | | | | | |
| B | Change in bollard size and additional notes | JK | MP | 21-12-16 | MP | Client | | SWMK Consortium | | | | | | | | | | | | | | | | | | | |
| A | Addition of bollards | JK | MP | 18-11-16 | MP | Drawing No. | | D035 | | Rev. | | | | | | | | | | | | D | | | | | |
| Rev. | Amendment | By | Chkd. | Date | Appd. | Export House Woking, Surrey. GU21 6QX Tel: +44 (0)1483 731000 Fax: +44 (0)1483 731010 | | | | | | | | | | | | | | | | | | | | | |

Drawing - 19-10



Proposed gateway 96.6m

Rumble strip to be yellow in accordance with DMRB TA87/04



Give way to oncoming vehicles



Proposed gateway



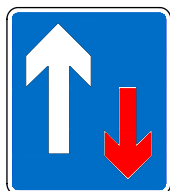
View looking South

30 mph speed limit roundel

Priority buildout



View looking South



Priority over oncoming vehicles

SPEED LIMIT TO BE RELOCATED TO GATEWAY IF REQUIRED BY BCC

At original drawing size (A3) this line measures 50mm

Cad Ref. No. L:\106xxx\1067760 South West Milton Keynes\12 Dwgs

Drawn JK

Date 21-02-17

Checked SH

Date 21-02-17

Approved MP

Date 21-02-17

Notes
 Reflective bollards to be included at all buildouts and road narrowings to increase visibility of the features during hours of darkness.
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DRAWING TO BE READ IN CONJUNCTION WITH D027 TRAFFIC CALMING STRATEGY FOR NEWTON LONGVILLE

| Rev. | Amendment | By | Chkd. | Date | Appd. |
|------|--|----|-------|----------|-------|
| D | Amendments to other drawings in set | JK | SH | 03-03-17 | SH |
| C | Gateway Relocated 50m North | JK | MP | 21-02-17 | MP |
| B | Additional notation and removal of roundel | JK | MP | 21-12-16 | MP |
| A | Roundels added | JK | MP | 18-11-16 | MP |

Project
SOUTH WEST MILTON KEYNES
 Title
LOCATION I: ENHANCEMENT TO VILLAGE GATEWAY ON BLETCHLEY ROAD

Export House
 Woking, Surrey, GU21 6QX
 Tel: +44 (0)1483 731000
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| | |
|-------------|-----------------|
| Scale | 1:500@A3 |
| Job No. | 1067760 |
| Client | SWMK Consortium |
| Drawing No. | D036 |
| Rev. | D |

Drawing - 19-11



View looking North



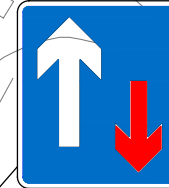
Proposed gateway



Give way to oncoming vehicles

Rumble strips to be yellow in accordance with DMRB TA 87/04

Priority buildout



Priority over oncoming vehicles

Proposed Roundels

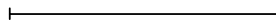


View looking North



Proposed gateway

At original drawing size (A3) this line measures 50mm



Cad Ref. No. L:\106xxx\1067760 South West Milton Keynes\12 Dwgs

Drawn JK

Date 21-02-17

Checked SH

Date 21-02-17

Approved MP

Date 21-02-17

Notes
 Reflective bollards to be included at all buildouts and road narrowings to increase visibility of the features during hours of darkness.
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DRAWING TO BE READ IN CONJUNCTION WITH D027 TRAFFIC CALMING STRATEGY FOR NEWTON LONGVILLE

| Rev. | Amendment | By | Chkd. | Date | Appd. |
|------|--|----|-------|----------|-------|
| D | Amendments to other drawings in set | JK | SH | 03-03-17 | SH |
| C | Gateway moved 43m south and additional roundel | JK | MP | 21-02-16 | MP |
| B | Additional notation and removal of roundel | JK | MP | 21-12-16 | MP |
| A | Roundels added | JK | MP | 18-11-16 | MP |

Project
SOUTH WEST MILTON KEYNES
 Title
LOCATION J: ENHANCEMENT TO VILLAGE GATEWAY ON DRAYTON ROAD

mouchel
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 Fax: +44 (0)1463 731010

| | |
|-------------|-----------------|
| Scale | 1:500@A3 |
| Job No. | 1067760 |
| Client | SWMK Consortium |
| Drawing No. | D037 |
| Rev. | D |



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