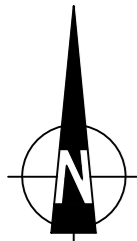
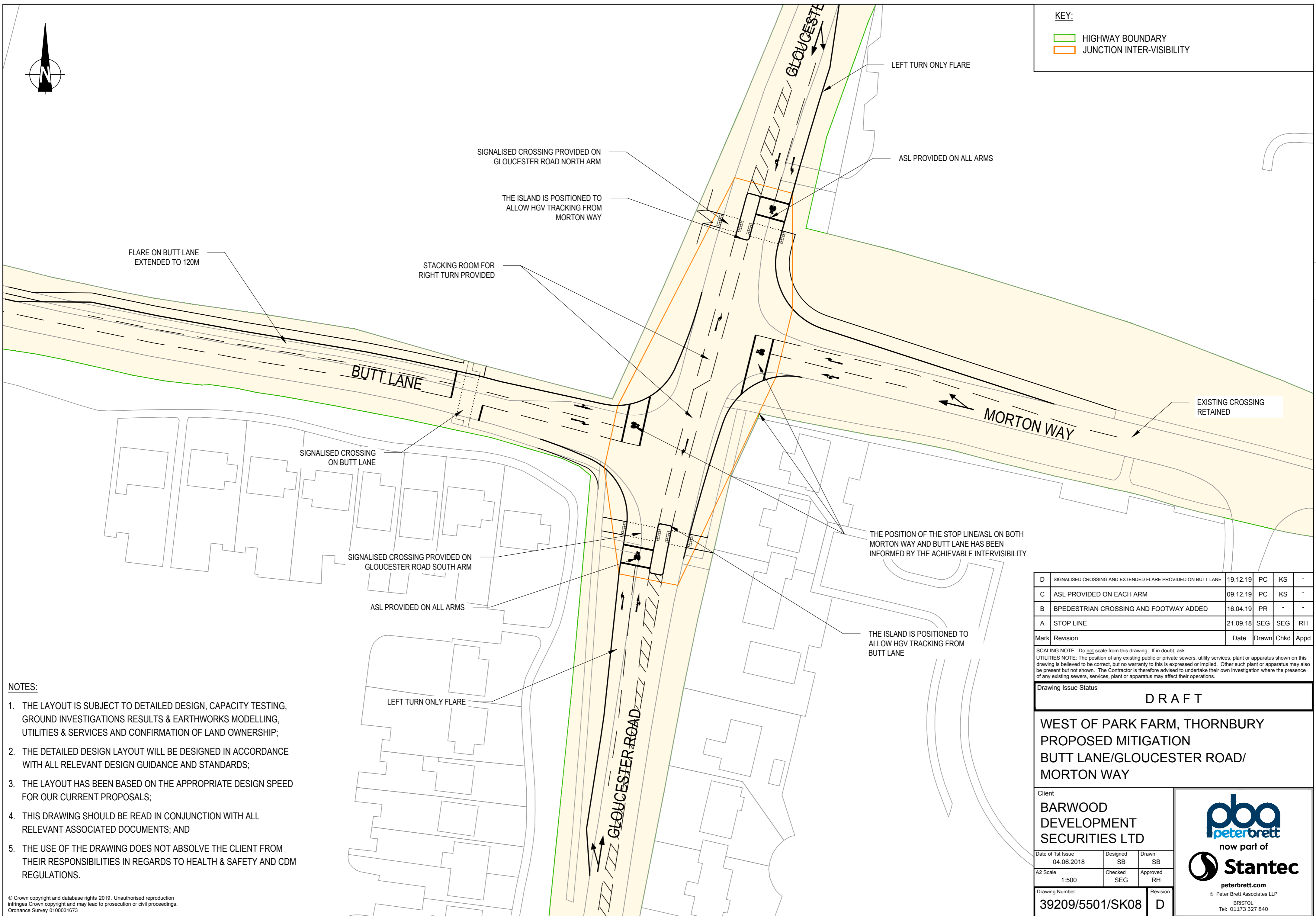


Drawings



KEY:

—	HIGHWAY BOUNDARY
—	JUNCTION INTER-VISIBILITY



NOTES:

1. THE LAYOUT IS SUBJECT TO DETAILED DESIGN, CAPACITY TESTING, GROUND INVESTIGATIONS RESULTS & EARTHWORKS MODELLING, UTILITIES & SERVICES AND CONFIRMATION OF LAND OWNERSHIP;
2. THE DETAILED DESIGN LAYOUT WILL BE DESIGNED IN ACCORDANCE WITH ALL RELEVANT DESIGN GUIDANCE AND STANDARDS;
3. THE LAYOUT HAS BEEN BASED ON THE APPROPRIATE DESIGN SPEED FOR OUR CURRENT PROPOSALS;
4. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH ALL RELEVANT ASSOCIATED DOCUMENTS; AND
5. THE USE OF THE DRAWING DOES NOT ABSOLVE THE CLIENT FROM THEIR RESPONSIBILITIES IN REGARDS TO HEALTH & SAFETY AND CDM REGULATIONS.

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D	SIGNALISED CROSSING AND EXTENDED FLARE PROVIDED ON BUTT LANE	19.12.19	PC	KS	-
C	ASL PROVIDED ON EACH ARM	09.12.19	PC	KS	-
B	BPEDESTRIAN CROSSING AND FOOTWAY ADDED	16.04.19	PR	-	-
A	STOP LINE	21.09.18	SEG	SEG	RH
Mark	Revision	Date	Drawn	Chkd	Appd

SCALING NOTE: Do not scale from this drawing. If in doubt, ask.
 UTILITIES NOTE: The position of any existing public or private sewers, utility services, plant or apparatus shown on this drawing is believed to be correct, but no warranty to this is expressed or implied. Other such plant or apparatus may also be present but not shown. The Contractor is therefore advised to undertake their own investigation where the presence of any existing sewers, services, plant or apparatus may affect their operations.

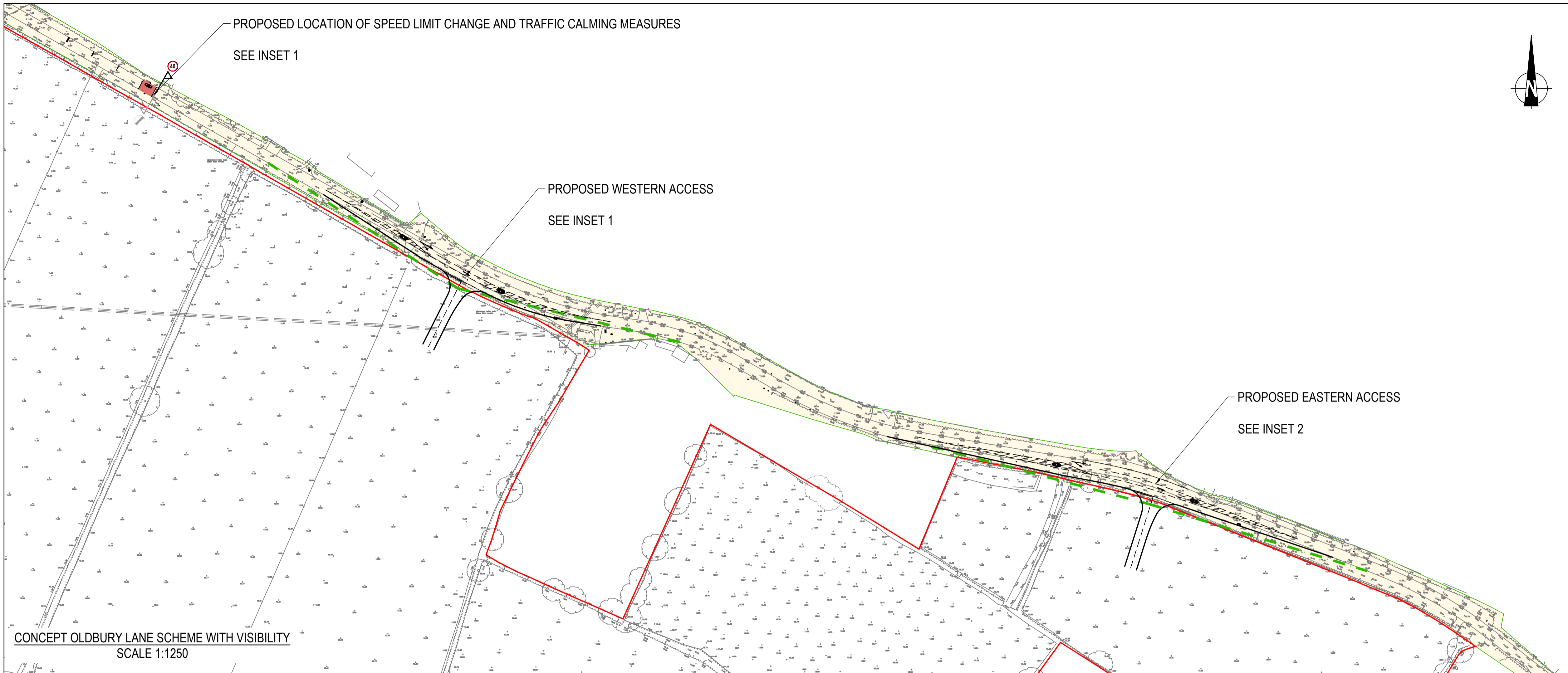
Drawing Issue Status: **DRAFT**

**WEST OF PARK FARM, THORNBURY
 PROPOSED MITIGATION
 BUTT LANE/GLOUCESTER ROAD/
 MORTON WAY**

Client
**BARWOOD
 DEVELOPMENT
 SECURITIES LTD**

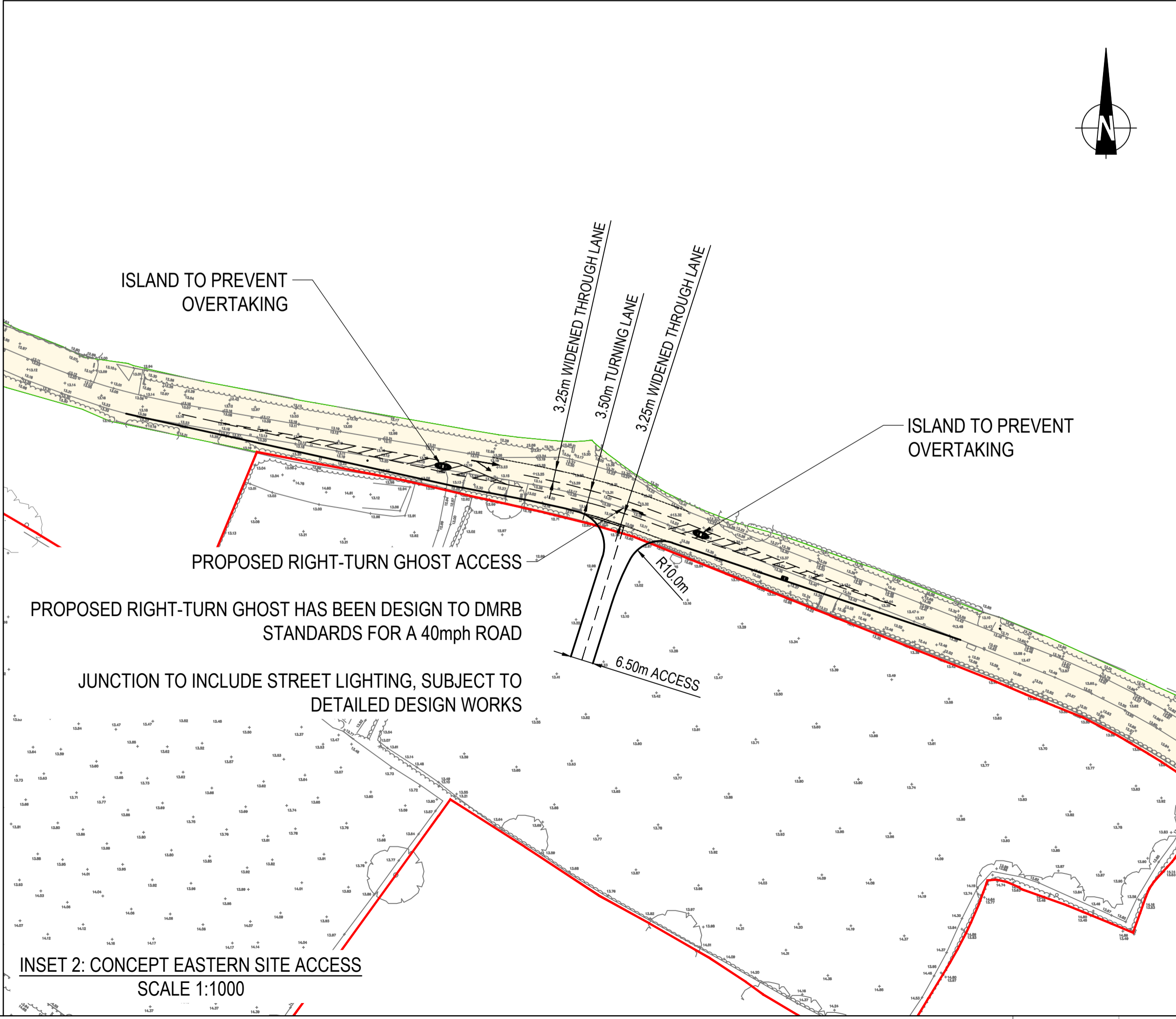
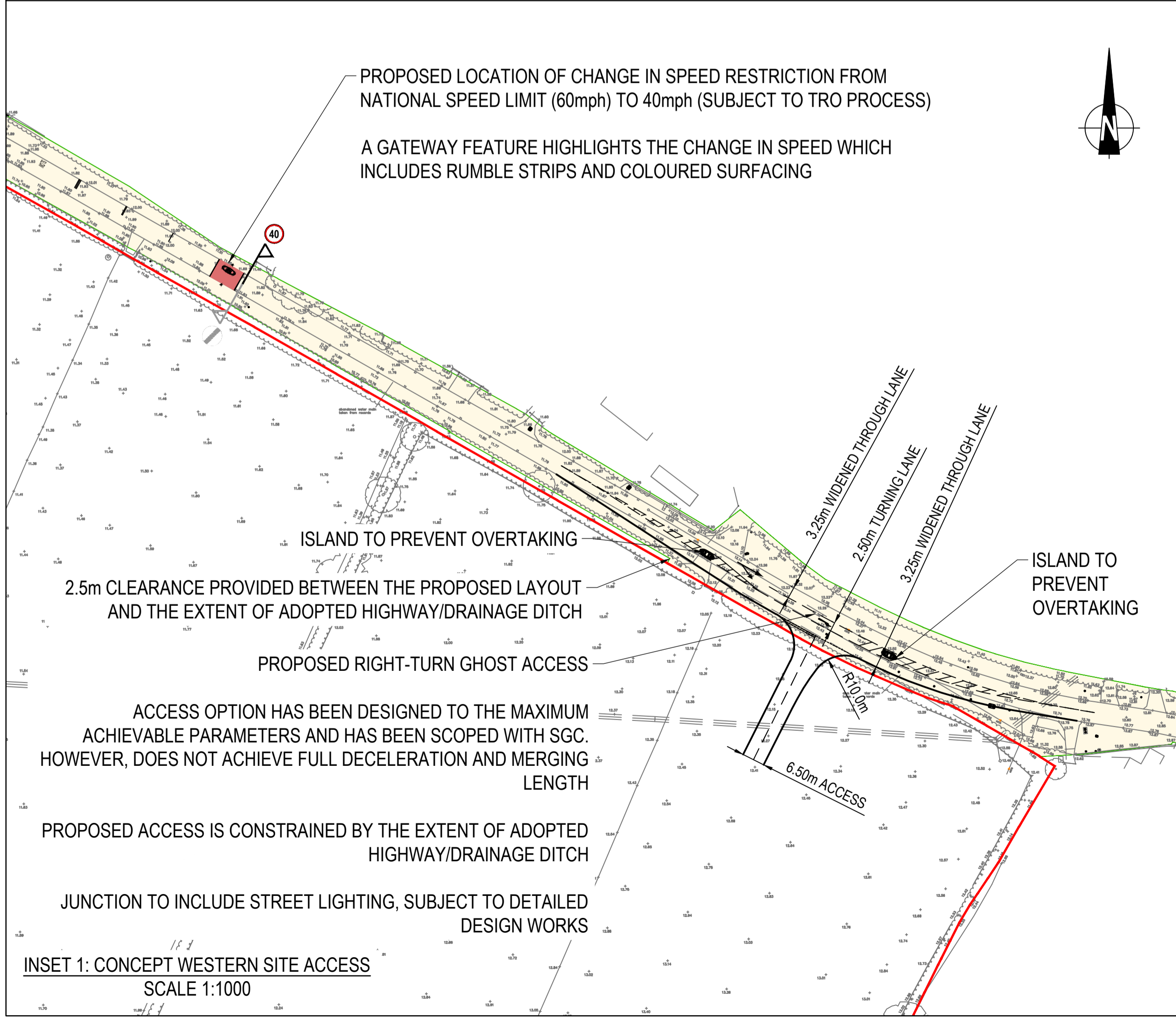
Date of 1st Issue	Designed	Drawn
04.06.2018	SB	SB
A2 Scale	Checked	Approved
1:500	SEG	RH

Drawing Number	Revision
39209/5501/SK08	D



- NOTES:**
1. THE LAYOUT IS SUBJECT TO DETAILED DESIGN, CAPACITY TESTING, GROUND INVESTIGATIONS RESULTS & EARTHWORKS MODELLING, UTILITIES & SERVICES AND CONFIRMATION OF LAND OWNERSHIP;
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 5. THE USE OF THE DRAWING DOES NOT ABSOLVE THE CLIENT FROM THEIR RESPONSIBILITIES IN REGARDS TO HEALTH & SAFETY AND CDM REGULATIONS;
 6. TOPOGRAPHICAL SURVEY UNDERTAKEN BY ANTONY BROOKES SURVEYS LTD ON 26.04.2018; AND
 7. SITE BOUNDARY PROVIDED BY BARTON WILLMORE ON 29.04.2018

- KEY:**
- INDICATIVE SITE BOUNDARY PROVIDED BY BARTON WILLMORE ON 29.04.2018
 - HIGHWAY BOUNDARY INFORMATION RECEIVED FROM SGC 25.04.2018 AND INTERPRETED BY PBA
 - 4.5M X 120M VISIBILITY SPLAY IN ACCORDANCE WITH DMRB FOR A 40MPH ROAD



Mark	Revision	Date	Drawn	Chkd	Appd
A	ADDED ISLANDS TO PREVENT OVERTAKING	23.08.18	JP	JHo	SG

SCALING NOTE: Do not scale from this drawing. If in doubt, ask.
UTILITIES NOTE: The position of any existing public or private sewers, utility services, plant or apparatus shown on this drawing is believed to be correct, but no warranty to this is expressed or implied. Other such plant or apparatus may also be present but not shown. The Contractor is therefore advised to undertake their own investigation where the presence of any existing sewers, services, plant or apparatus may affect their operations.

Drawing Issue Status
CONCEPT

WEST OF PARK FARM, THORNBURY
**CONCEPT SITE ACCESS LAYOUT
RIGHT-TURN GHOST OPTION**

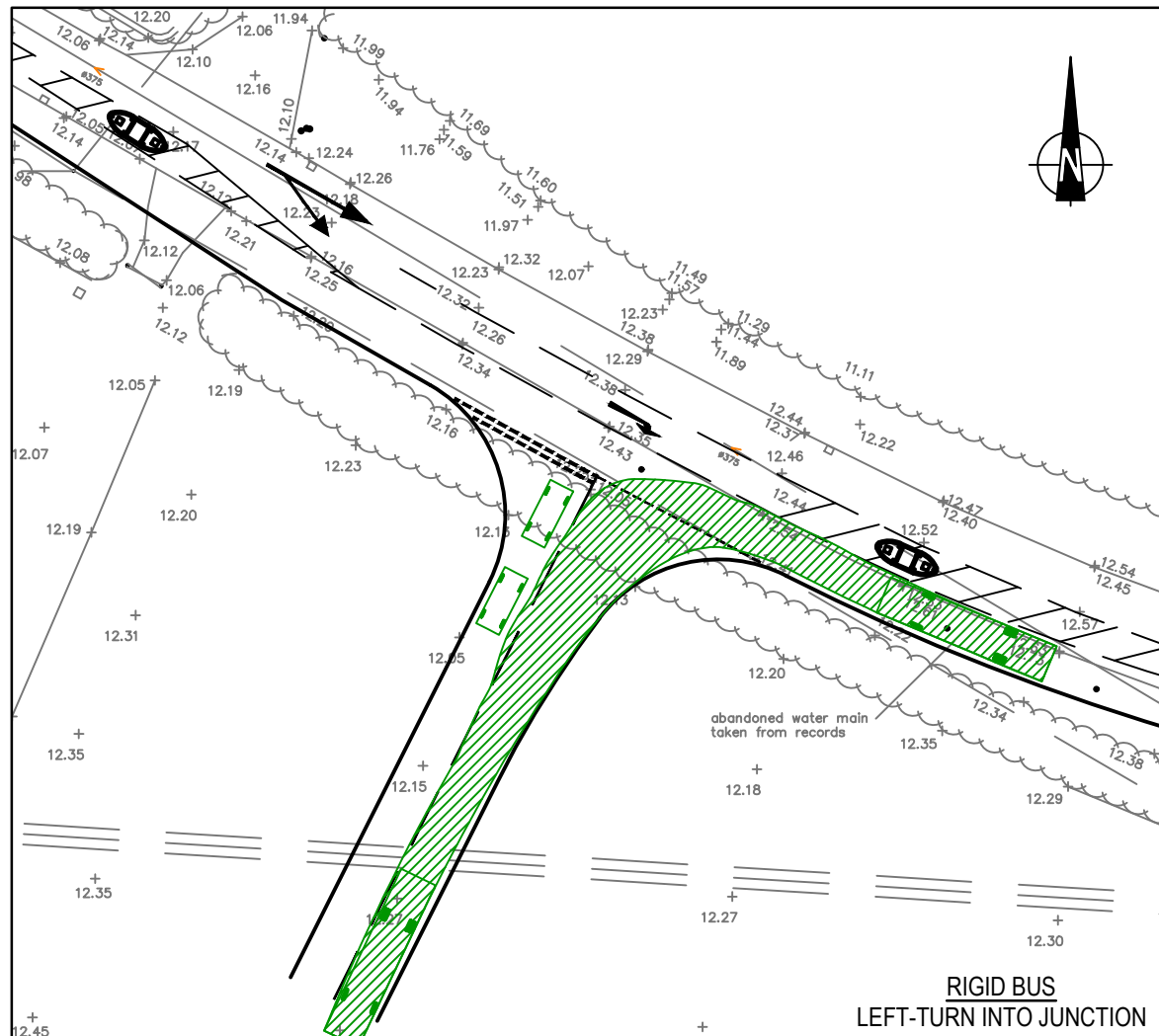
Client
BARWOOD DEVELOPMENT SECURITIES LTD

Date of 1st Issue: 06.08.2018
Designed: JDS
Drawn: JDS

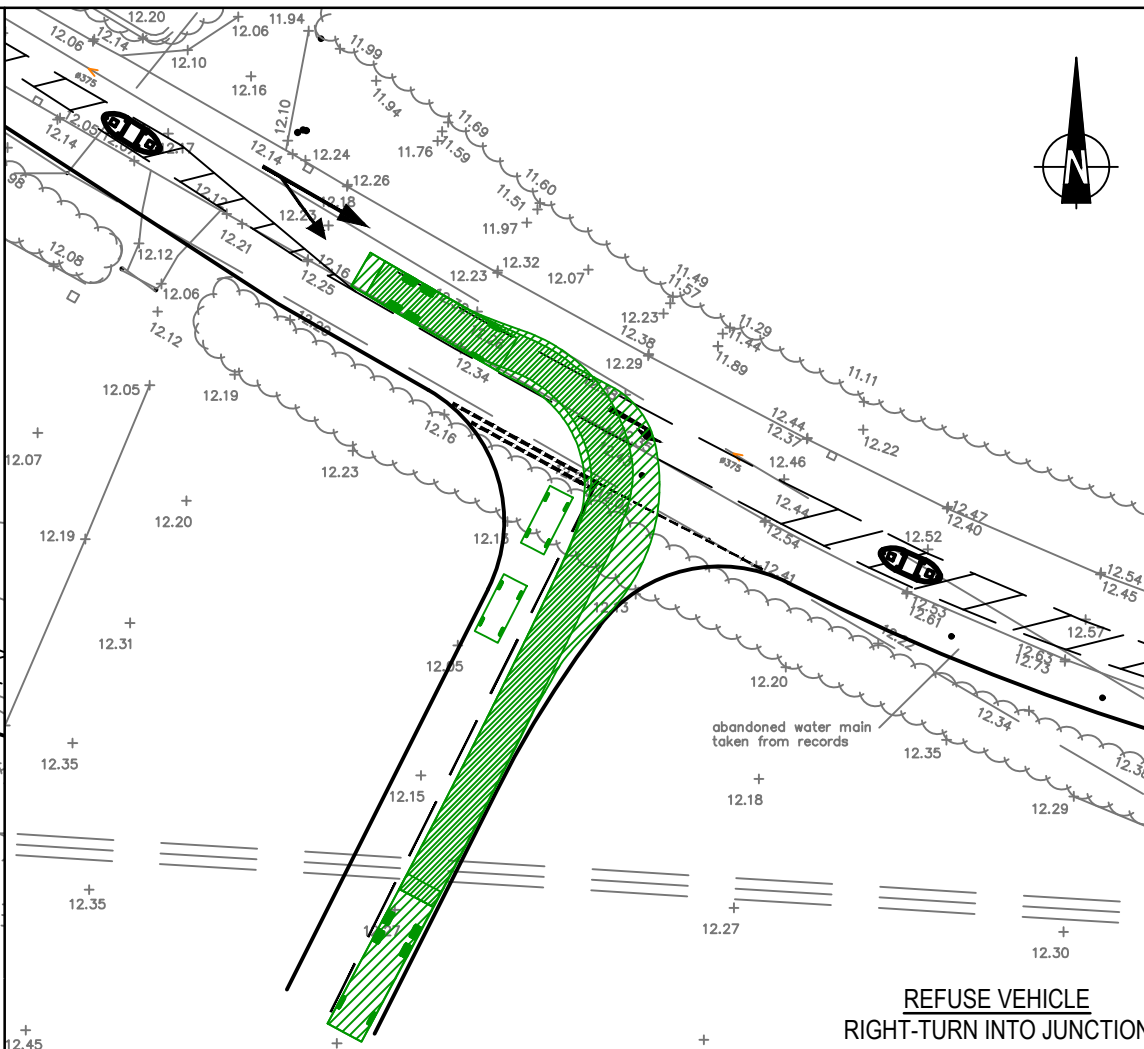
A1 Scale: AS SHOWN
Checked: JHo
Approved: RH

Drawing Number: 39209/5501/SK15
Revision: A

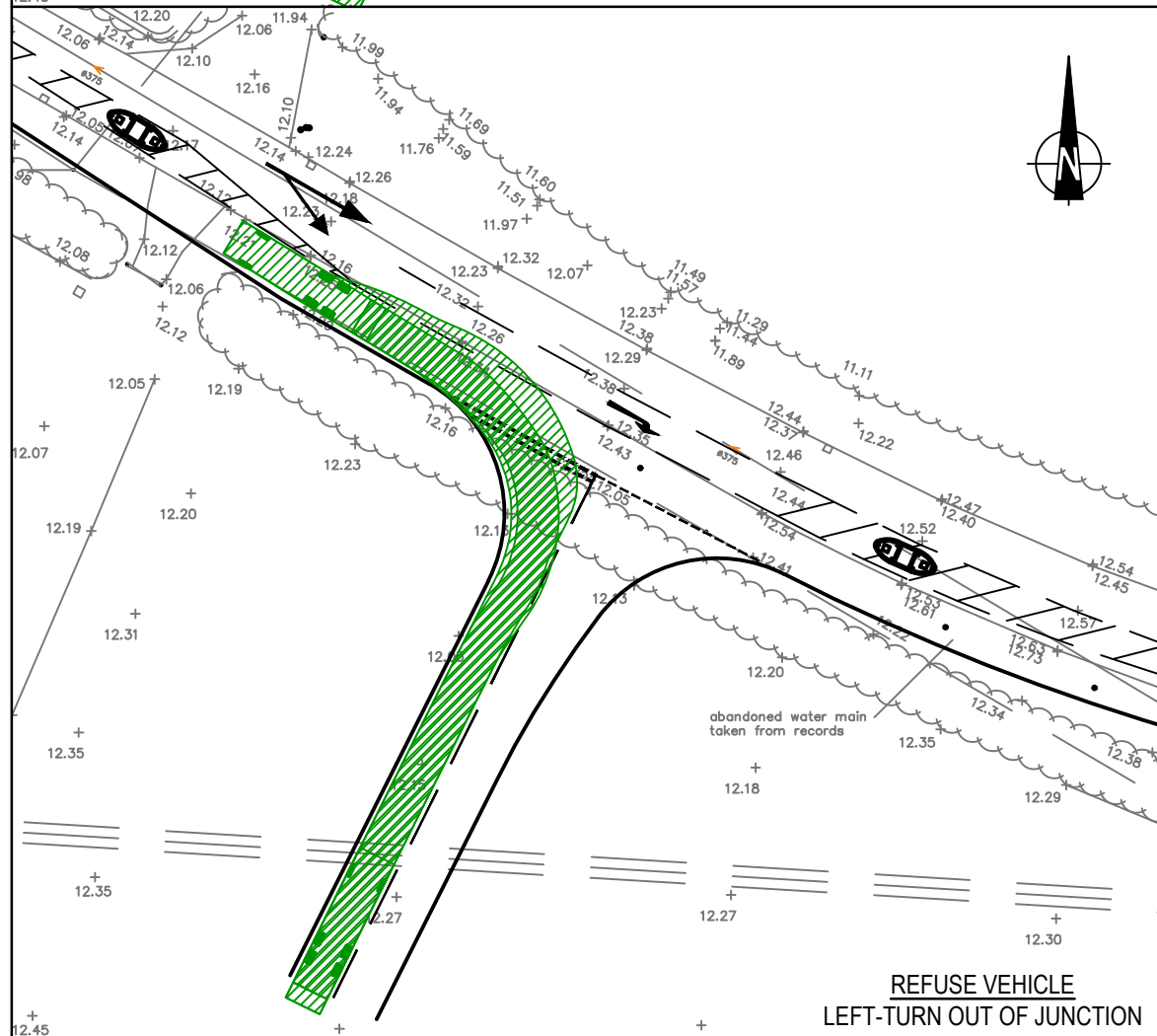
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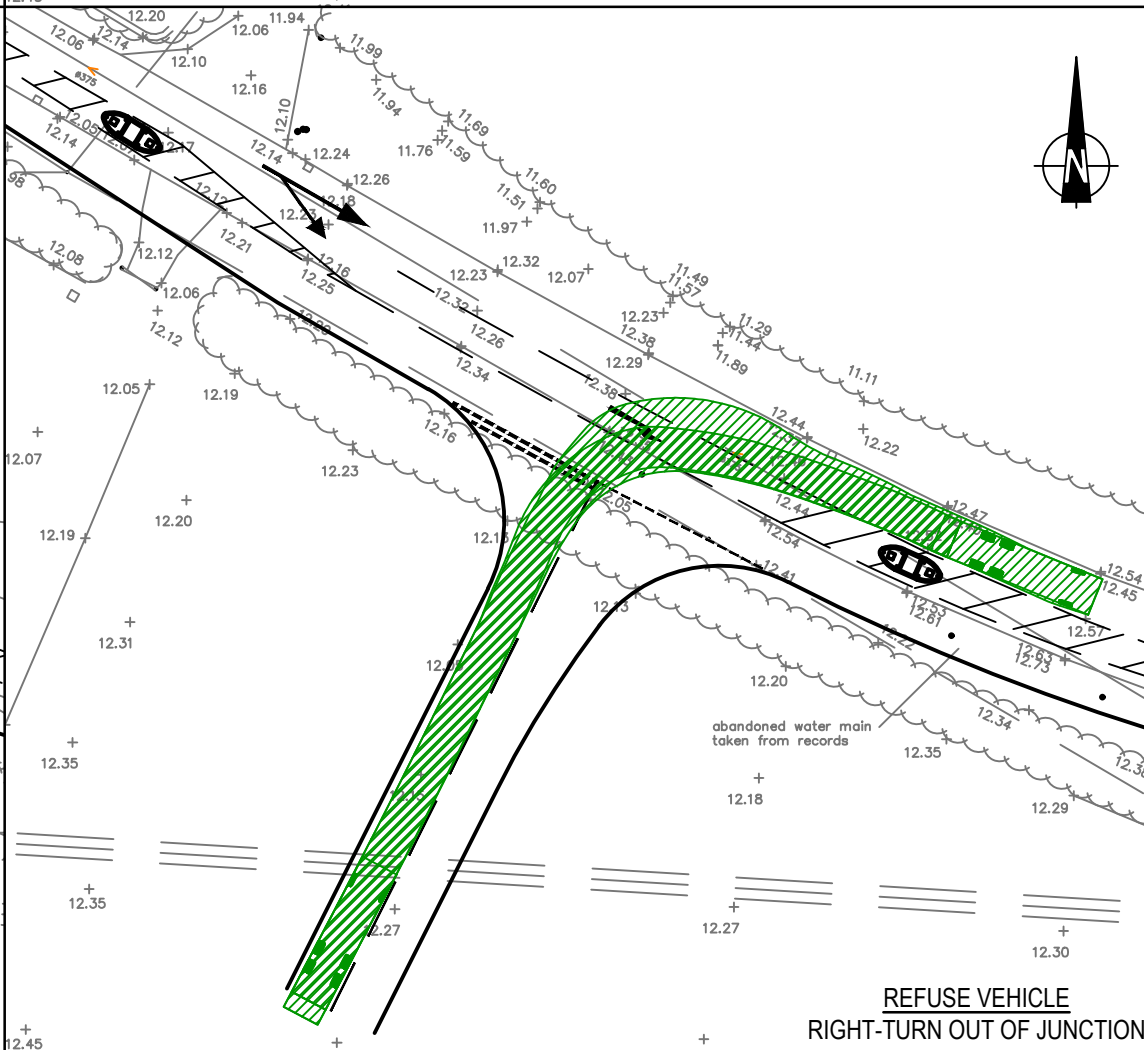
RIGID BUS
LEFT-TURN INTO JUNCTION



REFUSE VEHICLE
RIGHT-TURN INTO JUNCTION



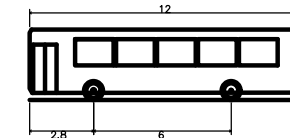
REFUSE VEHICLE
LEFT-TURN OUT OF JUNCTION



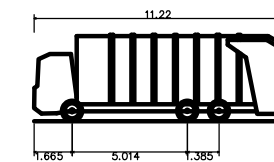
REFUSE VEHICLE
RIGHT-TURN OUT OF JUNCTION

NOTES:

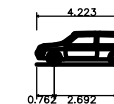
1. THE SWEEP PATH ANALYSIS HAS BEEN UNDERTAKEN WITH A DESIGN SPEED OF 5.0mph; AND
2. TOPOGRAPHICAL SURVEY UNDERTAKEN BY ANTHONY BROOKES SURVEYS LTD ON 26.04.2018.



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



Phoenix 2 Duo Recycler (P2-15W with Elite 6x4 chassis)
 Overall Length 11.220m
 Overall Width 2.530m
 Overall Body Height 3.756m
 Min Body Ground Clearance 0.309m
 Track Width 2.530m
 Lock to lock time 4.00s
 Kerb to Kerb Turning Radius 11.550m



DB32 Private Car
 Overall Length 4.223m
 Overall Width 1.715m
 Overall Body Height 1.392m
 Min Body Ground Clearance 0.253m
 Max Track Width 1.629m
 Lock to lock time 4.00s
 Kerb to Kerb Turning Radius 5.780m

Mark	Revision	Date	Drawn	Chkd	Appd
A	ADDED SPLITTER ISLANDS TO THE HIGHWAY LAYOUT	26.04.19	JHo	-	-

SCALING NOTE: Scale from this drawing for planning purposes only.
 UTILITIES NOTE: The position of any existing public or private sewers, utility services, plant or apparatus shown on this drawing is believed to be correct, but no warranty to this is expressed or implied. Other such plant or apparatus may also be present but not shown. The Contractor is therefore advised to undertake their own investigation where the presence of any existing sewers, services, plant or apparatus may affect their operations.

Drawing Issue Status
CONCEPT

WEST OF PARK FARM, THORNBURY
CONCEPT WESTERN SITE ACCESS
RIGHT-TURN GHOST OPTION
SWEEP PATH ANALYSIS

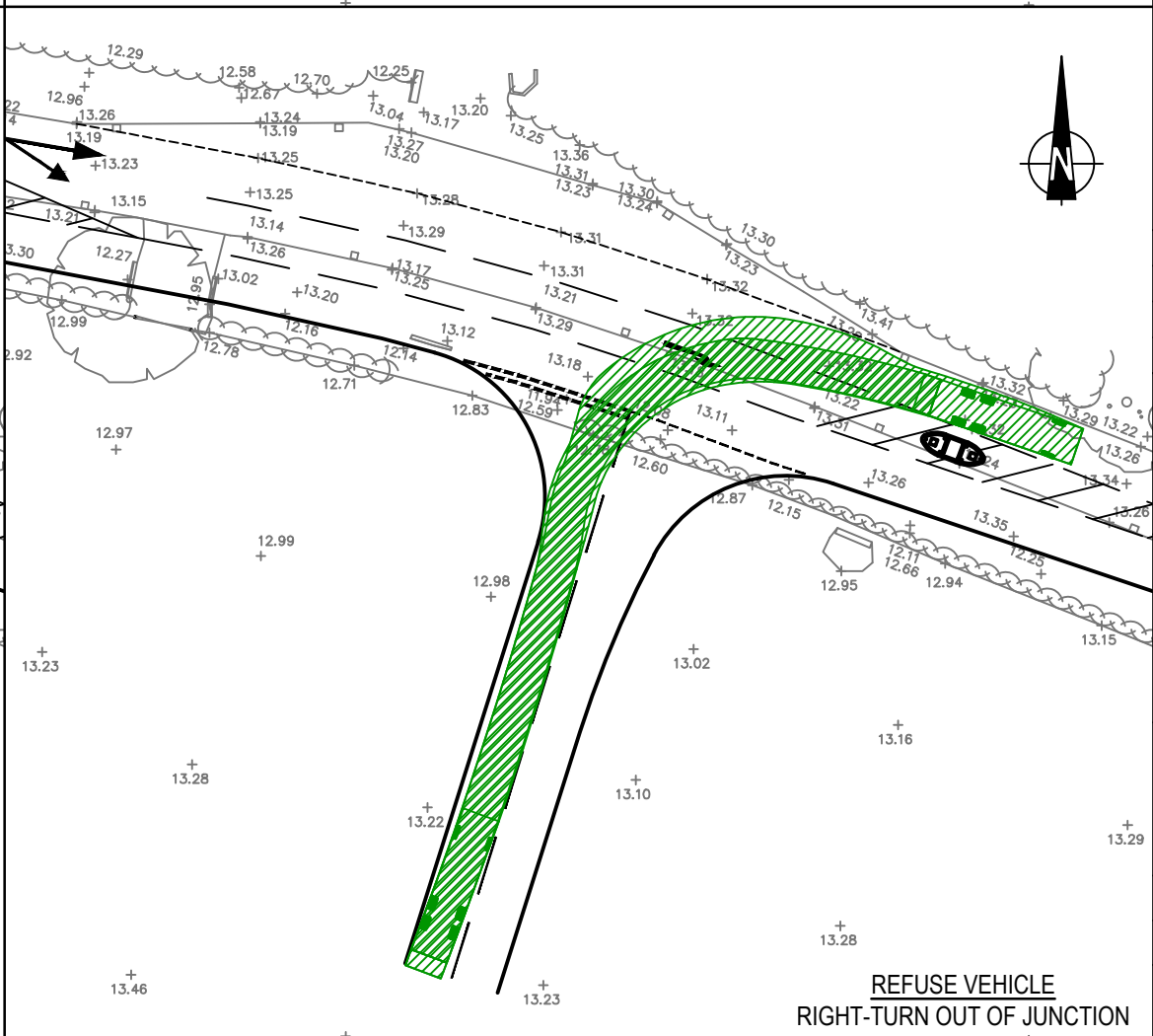
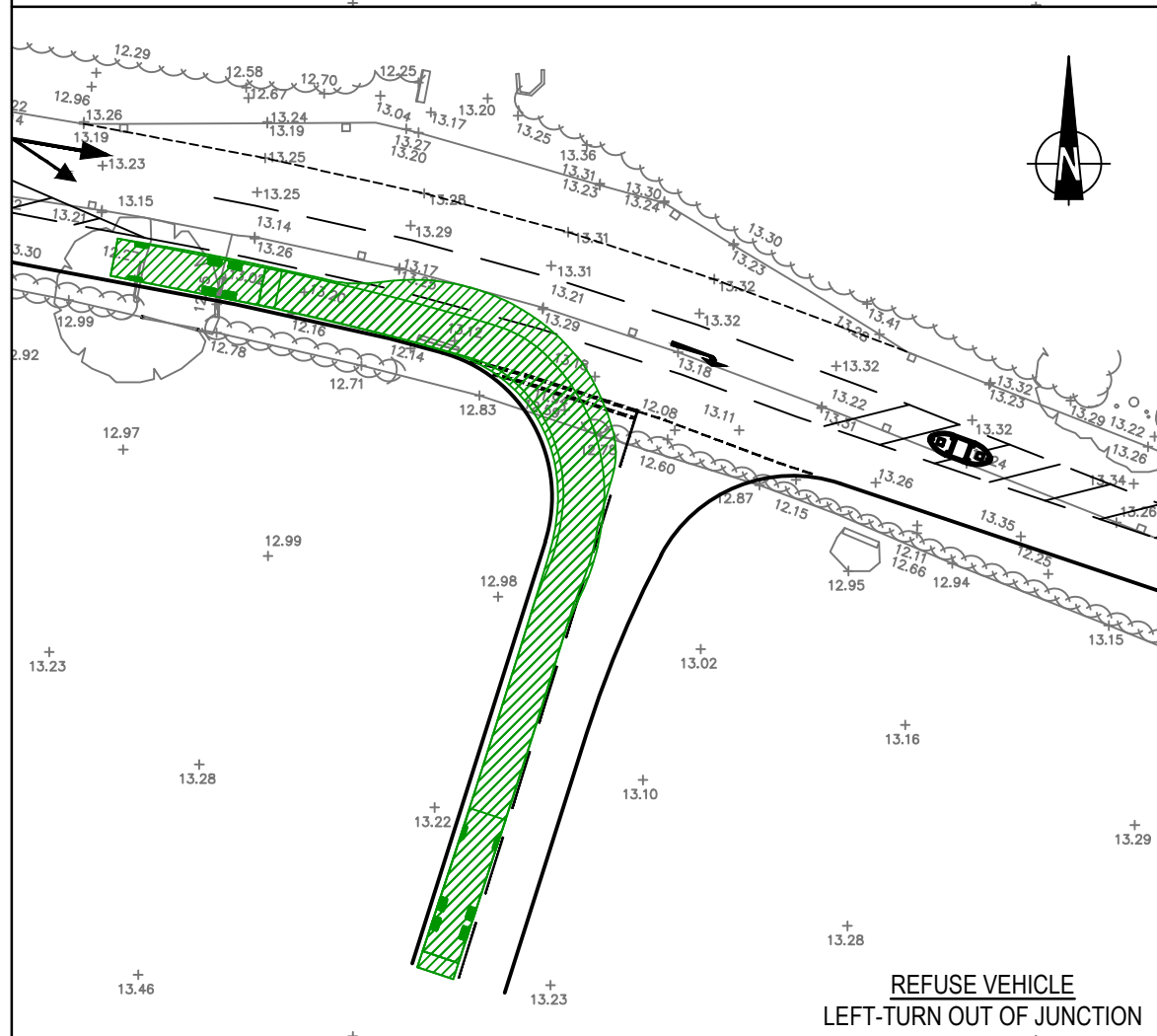
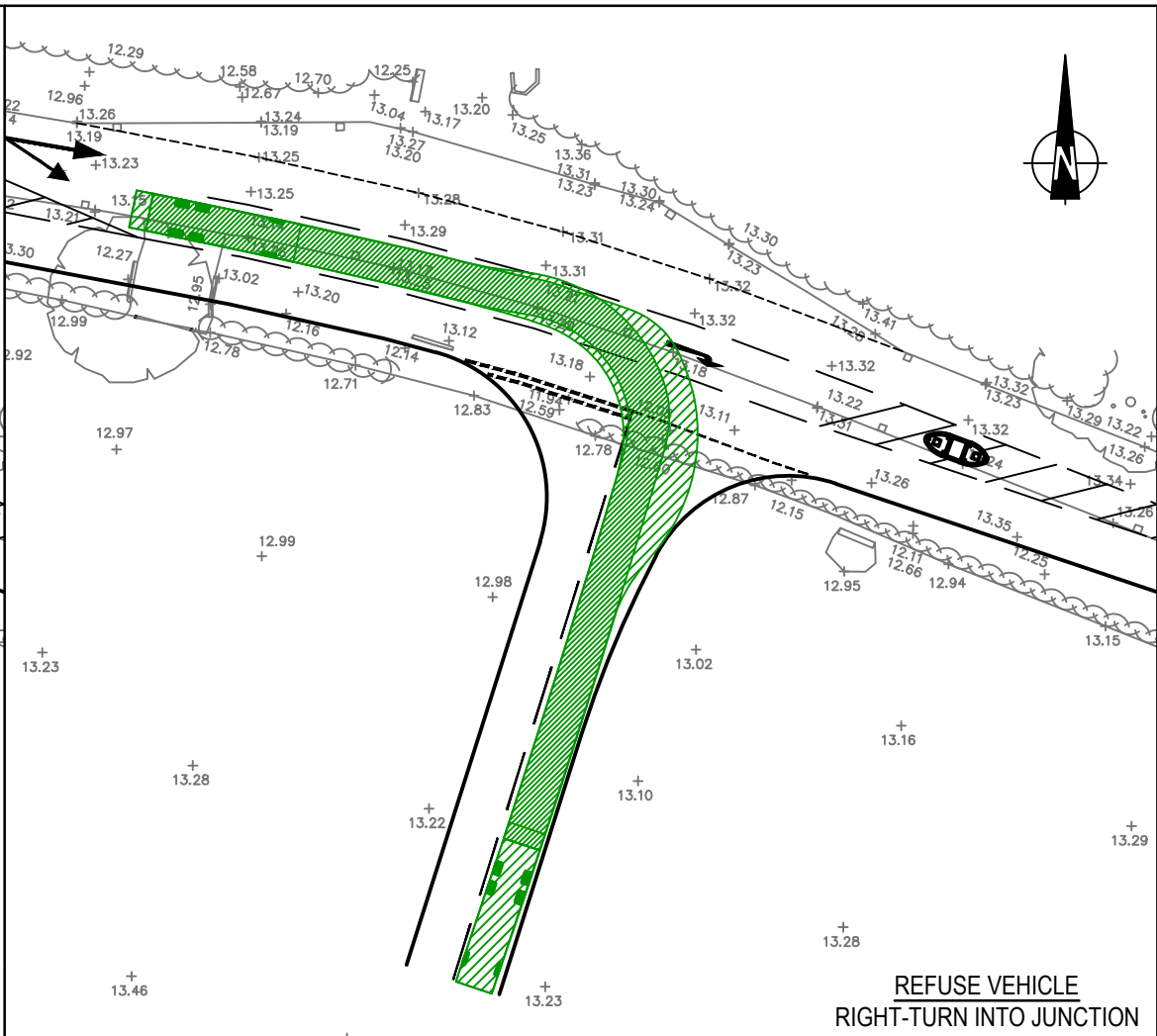
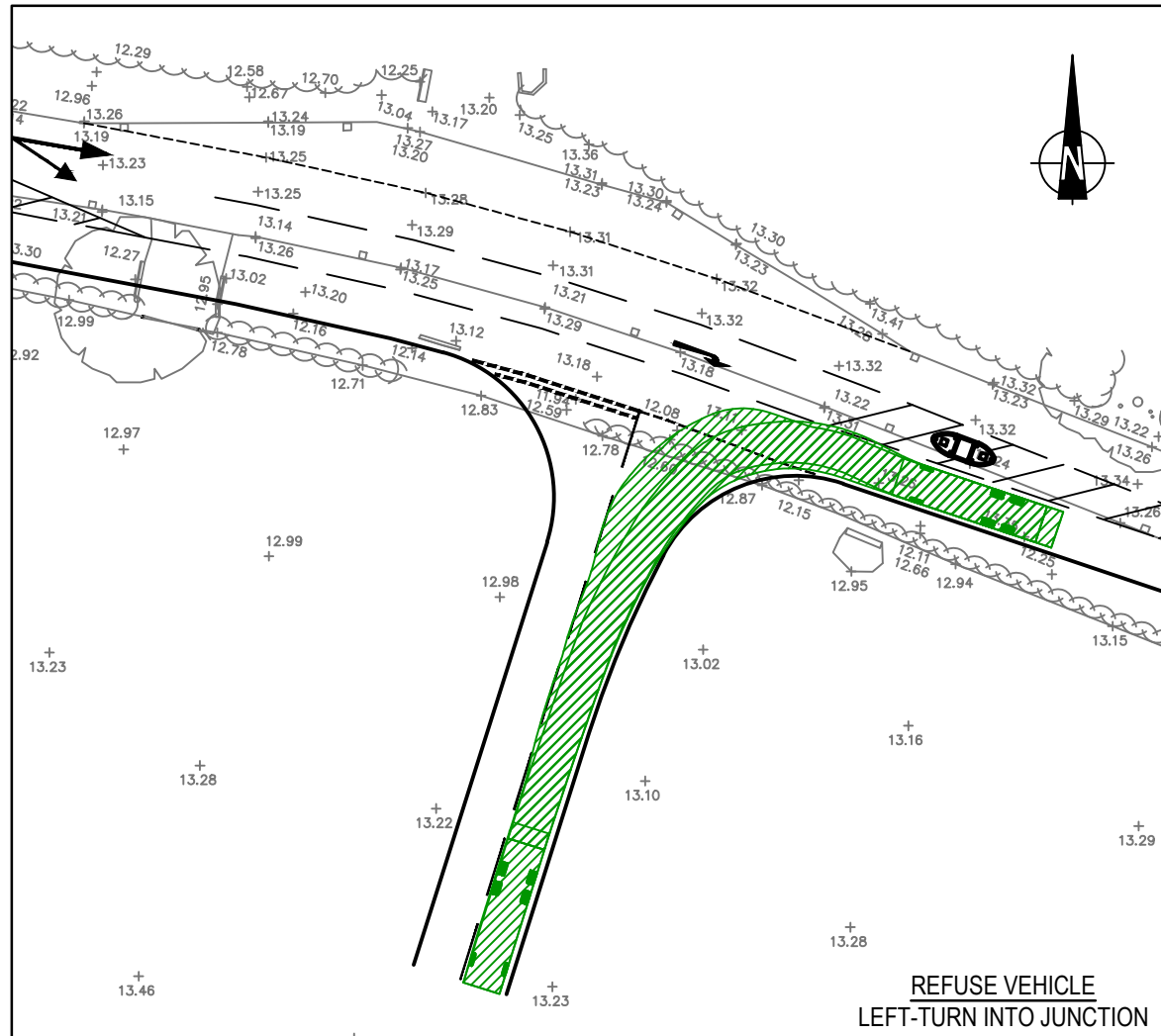
Client
BARWOOD
DEVELOPMENT
SECURITIES LTD

Date of 1st Issue	Designed	Drawn
06.08.2018	JDS	JDS
A3 Scale	Checked	Approved
1:500	JHo	-

Drawing Number
39209/5501/SK16
 Revision
A

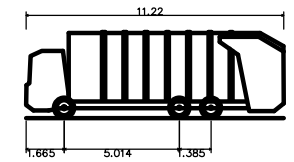


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NOTES:

1. THE SWEEP PATH ANALYSIS HAS BEEN UNDERTAKEN WITH A DESIGN SPEED OF 5.0mph; AND
2. TOPOGRAPHICAL SURVEY UNDERTAKEN BY ANTHONY BROOKES SURVEYS LTD ON 26.04.2018.



Phoenix 2 Duo Recycler (P2-15W with Elite 6x4 chassis)
 Overall Length 11.220m
 Overall Width 2.530m
 Overall Body Height 3.756m
 Min Body Ground Clearance 0.309m
 Track Width 2.530m
 Lock to lock time 4.00s
 Kerb to Kerb Turning Radius 11.550m

A	ADDED SPLITTER ISLANDS TO THE HIGHWAY LAYOUT	26.04.19	JHo	-	-
Mark	Revision	Date	Drawn	Chkd	Appd

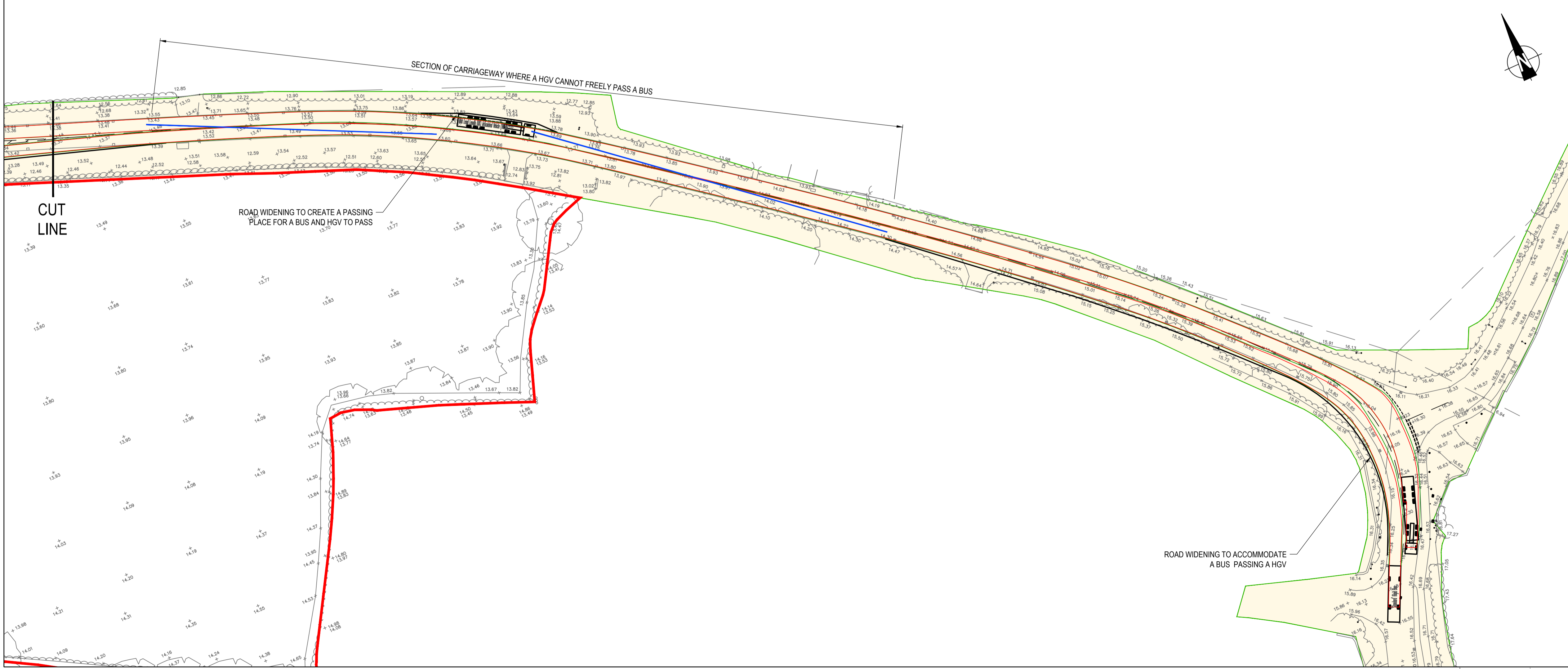
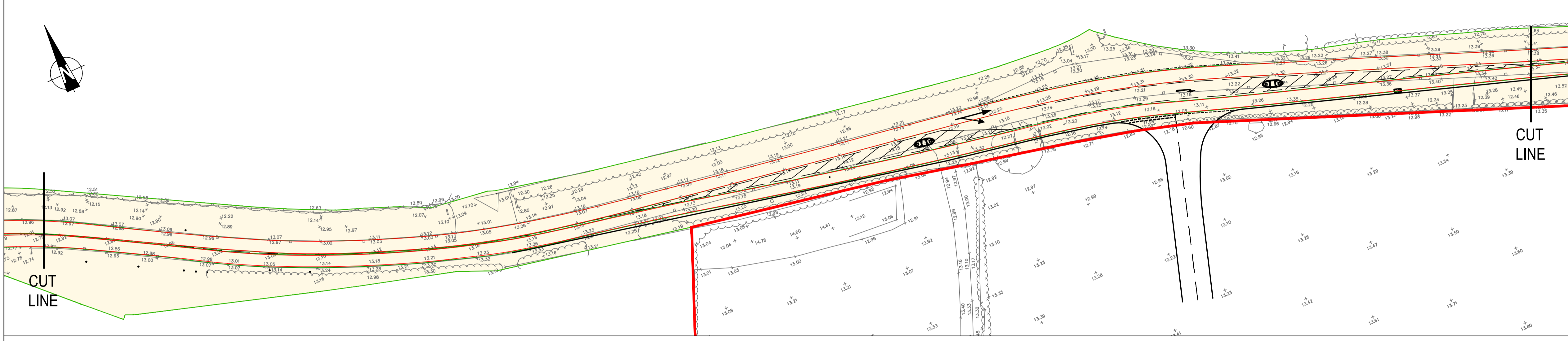
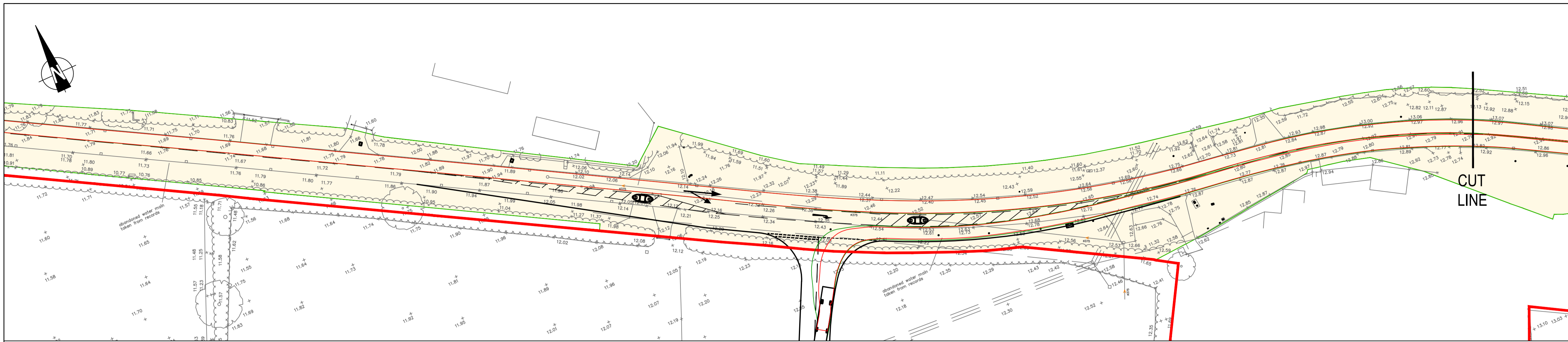
SCALING NOTE: Scale from this drawing for planning purposes only.
 UTILITIES NOTE: The position of any existing public or private sewers, utility services, plant or apparatus shown on this drawing is believed to be correct, but no warranty to this is expressed or implied. Other such plant or apparatus may also be present but not shown. The Contractor is therefore advised to undertake their own investigation where the presence of any existing sewers, services, plant or apparatus may affect their operations.

Drawing Issue Status
CONCEPT

**WEST OF PARK FARM, THORNBURY
 CONCEPT EASTERN SITE ACCESS
 RIGHT-TURN GHOST OPTION
 SWEEP PATH ANALYSIS**

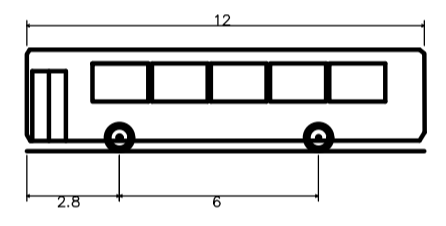
Client BARWOOD DEVELOPMENT SECURITIES LTD		
Date of 1st Issue 06.08.2018	Designed JDS	Drawn JDS
A3 Scale 1:500	Checked JHo	Approved -
Drawing Number 39209/5501/SK17	Revision A	

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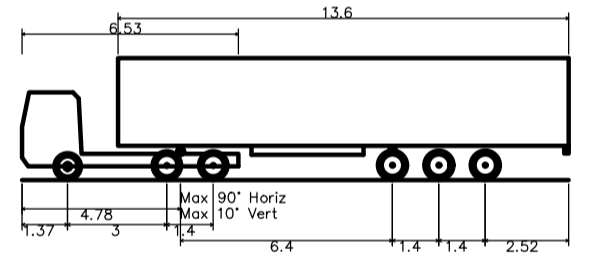


- NOTES:
1. THE LAYOUT IS SUBJECT TO DETAILED DESIGN, CAPACITY TESTING, GROUND INVESTIGATIONS RESULTS & EARTHWORKS MODELLING, UTILITIES & SERVICES AND CONFIRMATION OF LAND OWNERSHIP;
 2. THE DETAILED DESIGN LAYOUT WILL BE DESIGNED IN ACCORDANCE WITH ALL RELEVANT DESIGN GUIDANCE AND STANDARDS;
 3. THE LAYOUT HAS BEEN BASED ON THE APPROPRIATE DESIGN SPEED FOR OUR CURRENT PROPOSALS;
 4. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH ALL RELEVANT ASSOCIATED DOCUMENTS; AND
 5. THE USE OF THE DRAWING DOES NOT ABSOLVE THE CLIENT FROM THEIR RESPONSIBILITIES IN REGARDS TO HEALTH & SAFETY AND CDM REGULATIONS.

- KEY:
- INDICATIVE SITE BOUNDARY PROVIDED BY BARTON WILLMORE ON 29.04.2018
 - HIGHWAY BOUNDARY INFORMATION RECEIVED FROM SGC 25.04.2018 AND INTERPRETED BY PBA
 - VISIBILITY FROM THE PROPOSED PASSING PLACE TO SECTIONS OF CARRIAGEWAY WHERE A HGV CANNOT FREELY PASS A BUS



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



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	6.350m

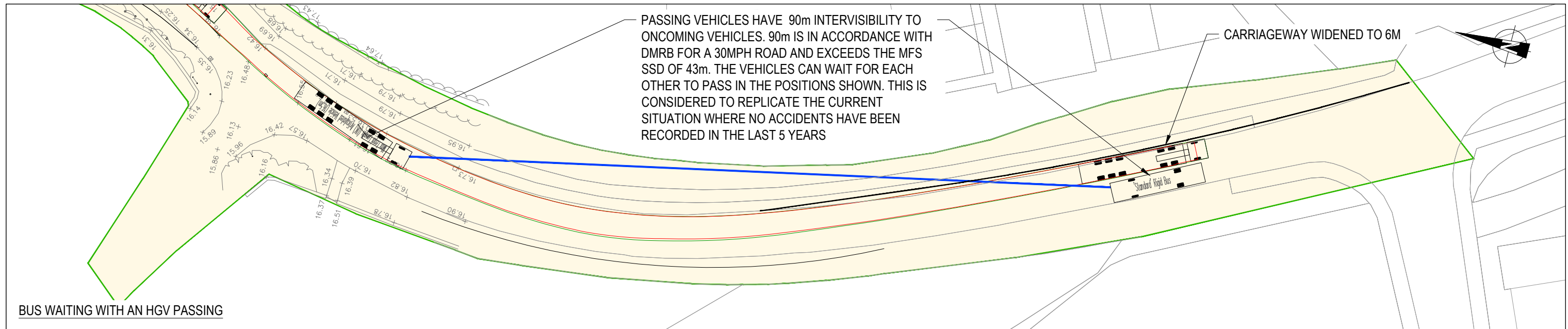
Mark	Revision	Date	Drawn	Chkd	Appd
A	CHANGED THE COLOUR OF THE VEHICLE TRACKS	30.08.19	JHo	-	-

SCALING NOTE: Do not scale from this drawing. If in doubt, ask.
 UTILITIES NOTE: The position of any existing public or private sewers, utility services, plant or apparatus shown on this drawing is believed to be correct, but no warranty to this is expressed or implied. Other such plant or apparatus may also be present but not shown. The Contractor is therefore advised to undertake their own investigation where the presence of any existing sewers, services, plant or apparatus may affect their operations.

Drawing Issue Status
CONCEPT

WEST OF PARK FARM, THORNBURY
OLDBURY LANE
TRACKING AND PASSING PLACE

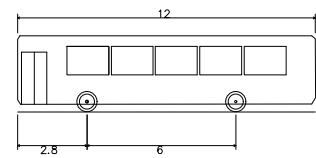
Client BARWOOD DEVELOPMENT SECURITIES LTD		 now part of peterbrett.com © Peter Brett Associates LLP BRISTOL Tel: 01173 327 840
Date of 1st Issue 07.08.2019	Designed JHo	
A1 Scale 1:500	Checked PC	Approved MP
Drawing Number 39209/5501/SK23	Revision A	



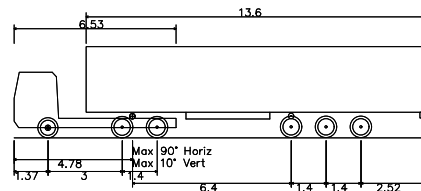
BUS WAITING WITH AN HGV PASSING



HGV WAITING WITH A BUS PASSING



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



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

NOTES:

1. THE LAYOUT IS SUBJECT TO DETAILED DESIGN, CAPACITY TESTING, GROUND INVESTIGATIONS RESULTS & EARTHWORKS MODELLING, UTILITIES & SERVICES AND CONFIRMATION OF LAND OWNERSHIP;
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KEY:

- HIGHWAY BOUNDARY INFORMATION RECEIVED FROM SGC 25.04.2018 AND INTERPRETED BY PBA
- INTERVISIBILITY BETWEEN TWO PASSING LARGE VEHICLES

Mark	Revision	Date	Drawn	Chkd	Appd
A	WIDENED BUTT LANE TO 6M, AS SGC COMMENT	14.10.19	JHo	KS	RH

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Drawing Issue Status
FOR INFORMATION

WEST OF PARK FARM, THORNBURY
 BUTT LANE TRACKING
 BUS AND HGV

Client
 BARWOOD
 DEVELOPMENT
 SECURITIES LTD

Date of 1st Issue 17.09.2019	Designed JHo	Drawn JHo
A3 Scale 1:500	Checked KS	Approved RH

Drawing Number
39209/5501/SK24

Revision
A



- NOTES:**
1. THE LAYOUT IS SUBJECT TO DETAILED DESIGN, CAPACITY TESTING, GROUND INVESTIGATIONS RESULTS & EARTHWORKS MODELLING, UTILITIES & SERVICES AND CONFIRMATION OF LAND OWNERSHIP;
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 5. THE USE OF THE DRAWING DOES NOT ABSOLVE THE CLIENT FROM THEIR RESPONSIBILITIES IN REGARDS TO HEALTH & SAFETY AND CDM REGULATIONS; AND
 6. MASTERPLAN SHOWN IS A SCALED PDF, PROVIDED BY BARTON WILLMORE, DRG NO. 23279-CL1 REV D. SUSTAINABLE TRANSPORT LINK IS SUBJECT TO DETAILED DESIGN UPON CONFIRMED MASTERPLAN.

KEY:
 SITE BOUNDARY

Mark	Revision	Date	Drawn	Chkd	Appd
A	REMOVED WESTERN RAISED TABLE AS REQUESTED BY SGC	14.10.19	JHo	KS	RH

SCALING NOTE: Do not scale from this drawing. If in doubt, ask.
 UTILITIES NOTE: The position of any existing public or private sewers, utility services, plant or apparatus shown on this drawing is believed to be correct, but no warranty to this is expressed or implied. Other such plant or apparatus may also be present but not shown. The Contractor is therefore advised to undertake their own investigation where the presence of any existing sewers, services, plant or apparatus may affect their operations.

Drawing Issue Status

CONCEPT

WEST OF PARK FARM, THORNBURY

SUSTAINABLE TRANSPORT CORRIDOR

TRAFFIC CALMING - RAISED TABLE

Client
BARWOOD DEVELOPMENT SECURITIES LTD

Date of 1st Issue 17.09.2019	Designed JHo	Drawn JHo
A2 Scale 1:500	Checked KS	Approved RH
Drawing Number 39209/5501/SK25	Revision A	

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