

HS2 FORM TM1

Highway Authority	Solihull Metropolitan Borough Council
Street(s)/USRN(s)	A452 Chester Road, A446, Stonebridge Island, Northway Island
HS2 Consent Reference	THW.AN.SMBC.LMJV.0203
Contractor document reference	
Submission Date (to Highway Authority)	27/03/2019
Proposed start date of consent	24/04/2019
Proposed end date of consent	23/05/2019
Consultation end/ requested response date	15/04/2019
Deemed consent date (if required)	23/04/2019

Temporary Interference with the Highway

In accordance with the powers set out in the **High Speed Rail (London - West Midlands) Act 2017**, the Contractor, acting on behalf of and, as agent for the Nominated Undertaker, hereby consults the highway authority and/or requests highway authority consent under Schedule 2, 4 and/or 33 as identified below:

Consultation with the highway authority:	
The temporary interference / works is on a street or location that <u>is listed</u> in Table 3 of Schedule 4 to the Act (Schedule 4 Part 2 paragraph 6)	<input checked="" type="checkbox"/>
Consent of the highway authority:	
The temporary interference / works is on a street or location <u>not listed</u> in Table 3 of Schedule 4 of the Act (Schedule 4 Part 2 paragraph 6)	<input type="checkbox"/>
Trial holes (Schedule 2 only)	<input type="checkbox"/>
Protective provisions (Schedule 33) [mark as appropriate]	
Works to a bridge requiring temporary interference, (Schedule 33 para 6)	<input type="checkbox"/>
Alteration/disturbance to apparatus of the highway authority affixed to or placed under any highway or, access to the apparatus of the Highway Authority, (Schedule 33 Para 9)	<input type="checkbox"/>
Depositing soil or materials or storing plant on the highway (Schedule 33 Para 12)	<input type="checkbox"/>
Erection of scaffolding or screening (or hoarding) in the highway (Schedule 33 Para 12)	<input type="checkbox"/>

Table 1. High level summary <i>(mark as appropriate)</i>	Alteration to apparatus of the highway authority	<input type="checkbox"/>	Deposit of material on the highway	<input type="checkbox"/>	Footway Works only	<input type="checkbox"/>	Peak hours	<input type="checkbox"/>	Works to PRow	<input type="checkbox"/>	Give and Take	<input type="checkbox"/>	Contra - flow	<input type="checkbox"/>	Lane Closure	<input checked="" type="checkbox"/>	Portable temporary traffic signals (<i>delete as required</i>) 2-way multiphase	<input type="checkbox"/>	Priority working	<input type="checkbox"/>
	Trial holes	<input checked="" type="checkbox"/>	Erection of scaffolding/hoarding	<input type="checkbox"/>	Works in the carriageway	<input checked="" type="checkbox"/>	Off Peak	<input checked="" type="checkbox"/>	Street works (NRSWA)	<input type="checkbox"/>	Stop / Go	<input type="checkbox"/>	Signage only	<input type="checkbox"/>	Road Closure	<input type="checkbox"/>	Works to existing or new traffic signals infrastructure	<input type="checkbox"/>	Associated utility works	<input type="checkbox"/>

Table 2. Detailed works description, traffic management phasing and intended programme												
Road name	Extent of Temporary Interference	Consent or Consultation	USRN	Grid Ref	EToN reference	TM Phase	TM drawing reference	Description of works	Description of associated traffic management	TM operational hours	Proposed Works Start Date	Estimated Works End Date
A452	Stonebridge Island to Northway Island	Consultation	35006662	SP 20382 84447	NA	8 9	9969.029.001 9969.030.001	Utility Trial holes	NB Lane closure	9pm to 6am	24/04/2019	30/04/2019
A452	Stonebridge Island to Biddles Loop	Consultation	35006662	SP 20382 84447	NA	10A	9969.032.001	Utility Trial holes	NB Lane closure	9pm to 6am	30/04/2019	03/05/2019
A446 & A452	Biddles Loop to Stonebridge Island	Consultation	35006662	SP 19884 85322	NA	10B	9969.033.001 9969.033.002	Utility Trial holes	SB Lane closure	9pm to 6am	03/05/2019	04/05/2019
A446 & A452	Biddles Loop to Stonebridge Island	Consultation	35006662	SP 20259 84753	NA	12	9969.035	Utility Trial holes	NB & SB Lane closure	9pm to 6am	06/05/2019	09/05/2019
A45 & A452	Stonebridge Island to Packington Lane	Consultation	35006662 99505901	SP 21315 83174	NA	13 14	9969.034.1	Utility Trial holes	EB & SB Lane closure	9pm to 6am	09/05/2019	18/05/2019
A45 & A452	Molands Roundabout to Packington Lane	Consultation	35006662 99505901	SP 21315 83174	NA	11	9969.034	Utility Trial holes	EB & NB Lane closure	9pm to 6am	20/05/2019	23/05/2019

Details of pre-application discussions with the Highway Authority and stakeholders



Date	Details
27/09/2018	Pre-application meeting with SMBC & HE.
Click here to enter a date.	
Click here to enter a date.	

Details of associated consents/approvals

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Document references and supporting information

Title	Phase (from Table 2)	Drawing reference	Version
Northbound Lane closure	8	9969.029.001	D
Northbound Lane closure	9	9969.030.001	G
Northbound Lane closure	10A	9969.032.001	C
Southbound Lane closure	10B	9969.033.001	B
Southbound Lane closure	10B	9969.033.002	A
North & Southbound Lane closure	12	9969.035	A
East & Northbound Lane closure	13	9969.034.1	A
East & Northbound Lane closure	11	9969.034	D

Contractor Signature	
This submission is made by the Contractor on behalf of and as agent for the Nominated Undertaker. HS2 Ltd authorises the contractor to submit the application for consultation or, as required, consent of the highway authority [Contractor must obtain acceptance from HS2 before submitting the form to the highway authority]	
Contractor	LM-JV Cornerblock, Two Cornwall Street, Birmingham, B3 2DX
Contractor Authorised Signatory	 Wayne Skells, Traffic Manager
Contractor Site Contact Details	 John Connor Project Manager T +44 (0) 1543466711 M +44 (0) 7704768108 E johnconnor@murphygroup.co.uk

Highway Authority Response Sheet

To be completed by the Highway Authority and provided as a response to the application

HS2 Consent Reference:	
Street(s):	
Submission Date:	
Response Date:	

Local Highway Authority Response

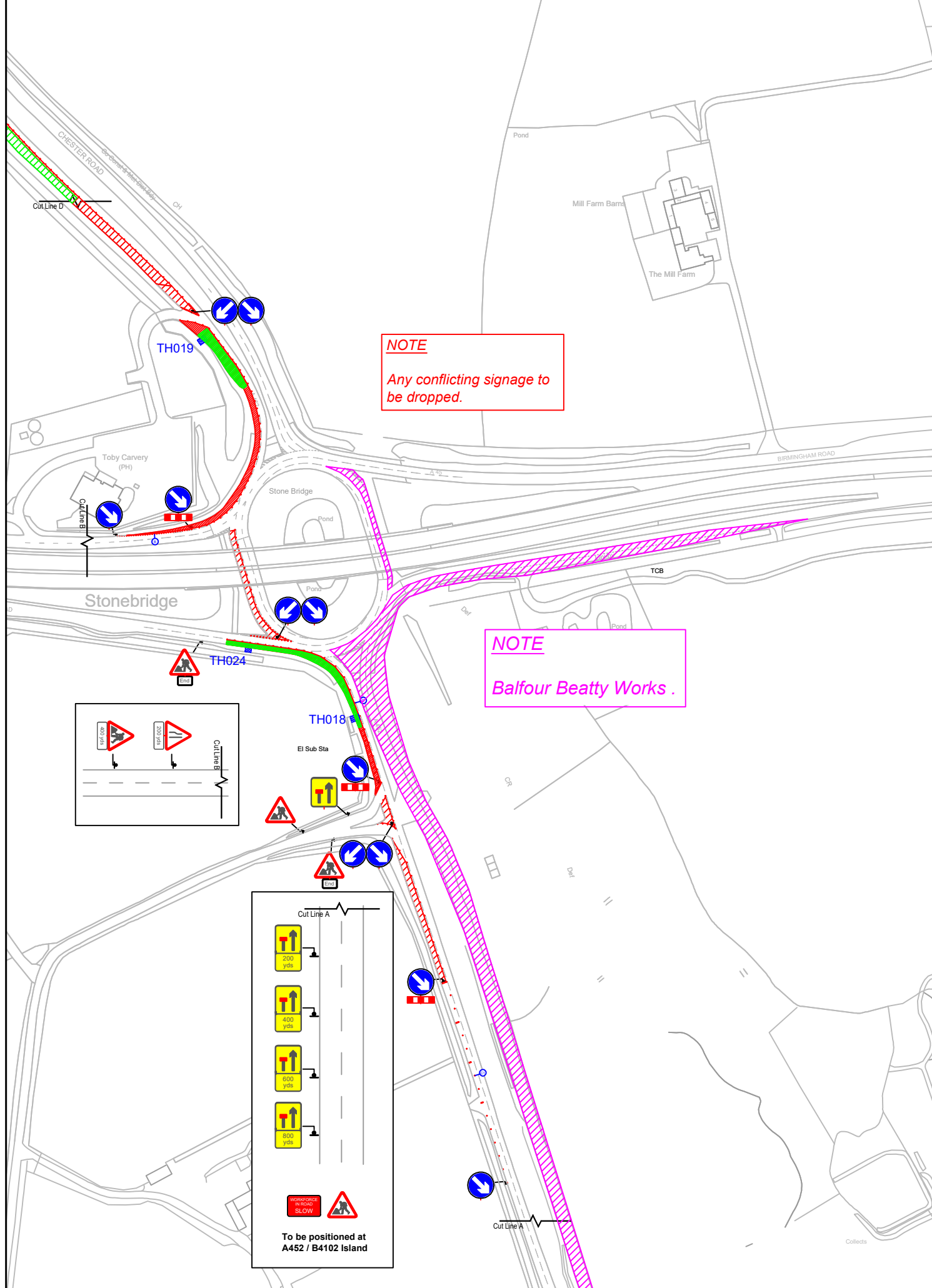
Highway Authority:	
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Decision on the application by the highway authority, if consent is required:

Consent granted <input type="checkbox"/>	If consent withheld or consent with comments, state ground(s) below:
Consent granted with comments <input type="checkbox"/>	
Consent withheld <input type="checkbox"/>	
Consultation <input type="checkbox"/>	<i>[Insert comments on consultation]</i>

Signature: _____ Date: _____

Name of highway authority's authorised representative: _____

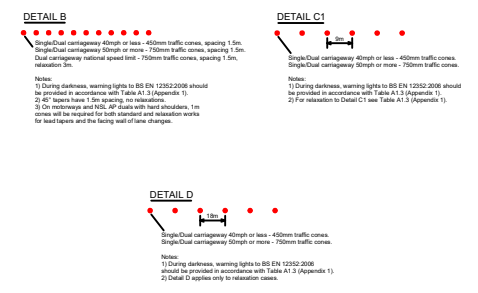


- NOTES**
- All traffic signs shall comply with Chapter 6 of the Traffic Signs Manual.
 - All traffic management equipment shall be provided by the Contractor, unless otherwise specified.
 - All signs shall be positioned so as not to be obscured by any other objects and shall not obstruct any other sign, permanent or temporary as much as is reasonably practicable.
 - The minimum lateral clearance between any area in which work is being carried out and that part of the carriageway available to traffic shall be 0.5m for roads with a speed limit of 40 mph or less and 1.2m for motorways and roads with a speed limit of 50 mph or more.
 - All traffic signs shall meet the reflectorisation requirements of BS 873 - Part 6: 1983, Table 1.
 - The permitted use of given types of closure shall be as specified.
 - Constraints on the use of given types of closure shall be as specified.
 - The lengths of tapers shown on the standard lane closure drawings are based on a basic lane width of 3.65m, rounded up to generally the nearest 5m. Where the actual lane width varies from the figure the following shall be used to calculate taper lengths:
 Single carriageway road (speed limit 30 mph or less) - Rate of Taper 1 in 13
 Single carriageway road (speed limit 40 mph) - Rate of Taper 1 in 20
 Single carriageway road (speed limit 50 mph or more) - Rate of Taper 1 in 25
 Dual carriageway road without Hard Shoulder (speed limit 40 mph or less) - Rate of Taper 1 in 25
 Dual carriageway road without Hard Shoulder (speed limit 50 mph or more) - Rate of Taper 1 in 32
 Dual carriageway road with Hard Shoulder (any speed limit) - Rate of Taper 1 in 50
 Motorway (any speed limit) - Rate of Taper 1 in 55



To be agreed on site

- KEY**
- Cone
 - Sign
 - Work area
 - Safety zone
 - Work space
 - Safety zone to be used at work area 0.5m



D	Balfour Beatty Works Area Added	JW	SW	22.03.19
C	Layby closed and viewpoint removed.	AG	JW	01.10.18
B	Taper added.	AG	JW	21.08.18
A	Hatched area added.	AG	JW	21.08.18

Rev	Description	By	Chkd	Date
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Revisions

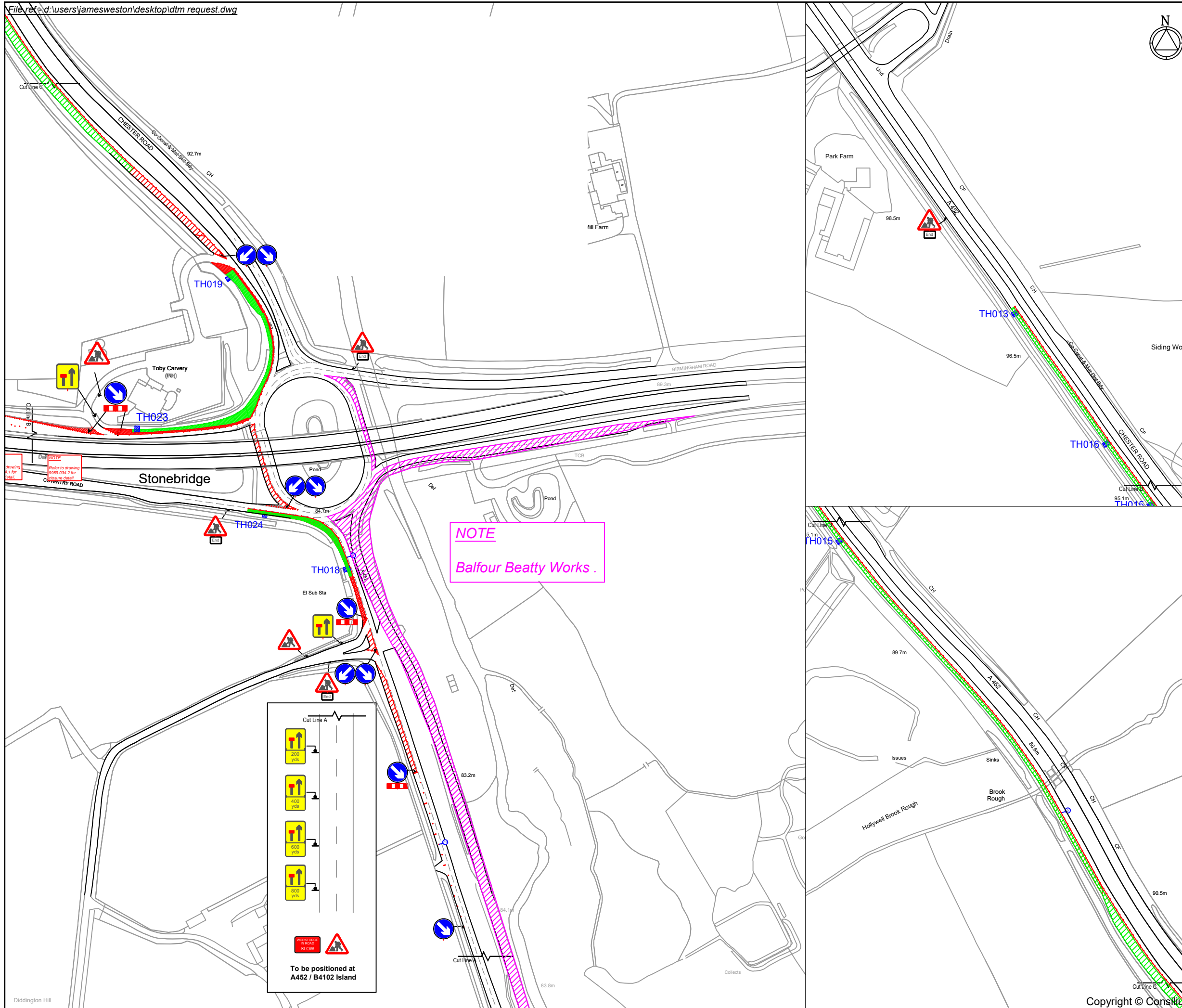
Client

Project
**A452 CHESTER ROAD
 BIRMINGHAM
 GRID REF: 421169, 283393**

Title
**NORTHBOUND
 LANE 1 CLOSURE
 WORK PACK 5**

S:\Consilium\Clients\DTMDTM Logo New.png
 409 Tyburn Road, Birmingham, B24 8HJ - 0121 328 7266
 info@consilium-ts.co.uk - www.consilium-ts.co.uk

Design: KL	Drawn: DM	Chkd: KL
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Drawing No 9969.034	Rev: D	

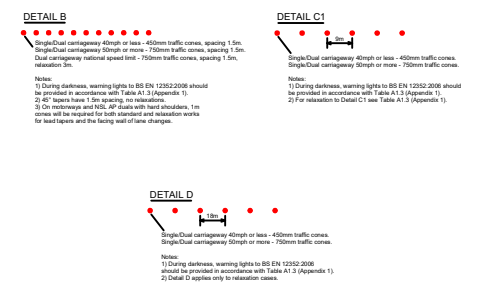


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 Dual carriageway road without Hard Shoulder (speed limit 50 mph or more) - Rate of Taper 1 in 32
 Dual carriageway road with Hard Shoulder (any speed limit) - Rate of Taper 1 in 55
 Motorway (any speed limit) - Rate of Taper 1 in 55

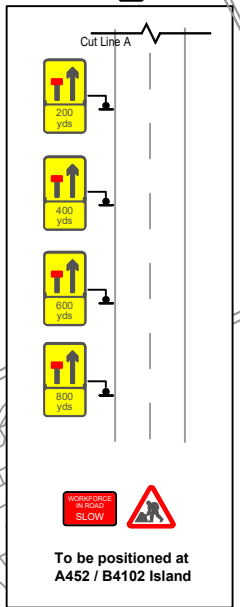


To be agreed on site

- KEY**
- Cone
 - Sign
 - Work area
 - Safety zone
 - Work space
 - Safety zone to be used at work area 0.5m



NOTE
Balfour Beatty Works.



B	Balfour Beatty Works Area Added	JW	SW	26/03/19
A	Viewport removed and layby closed	AG	JW	01/10/18
Rev	Description	By	Chkd	Date

Revisions

Client
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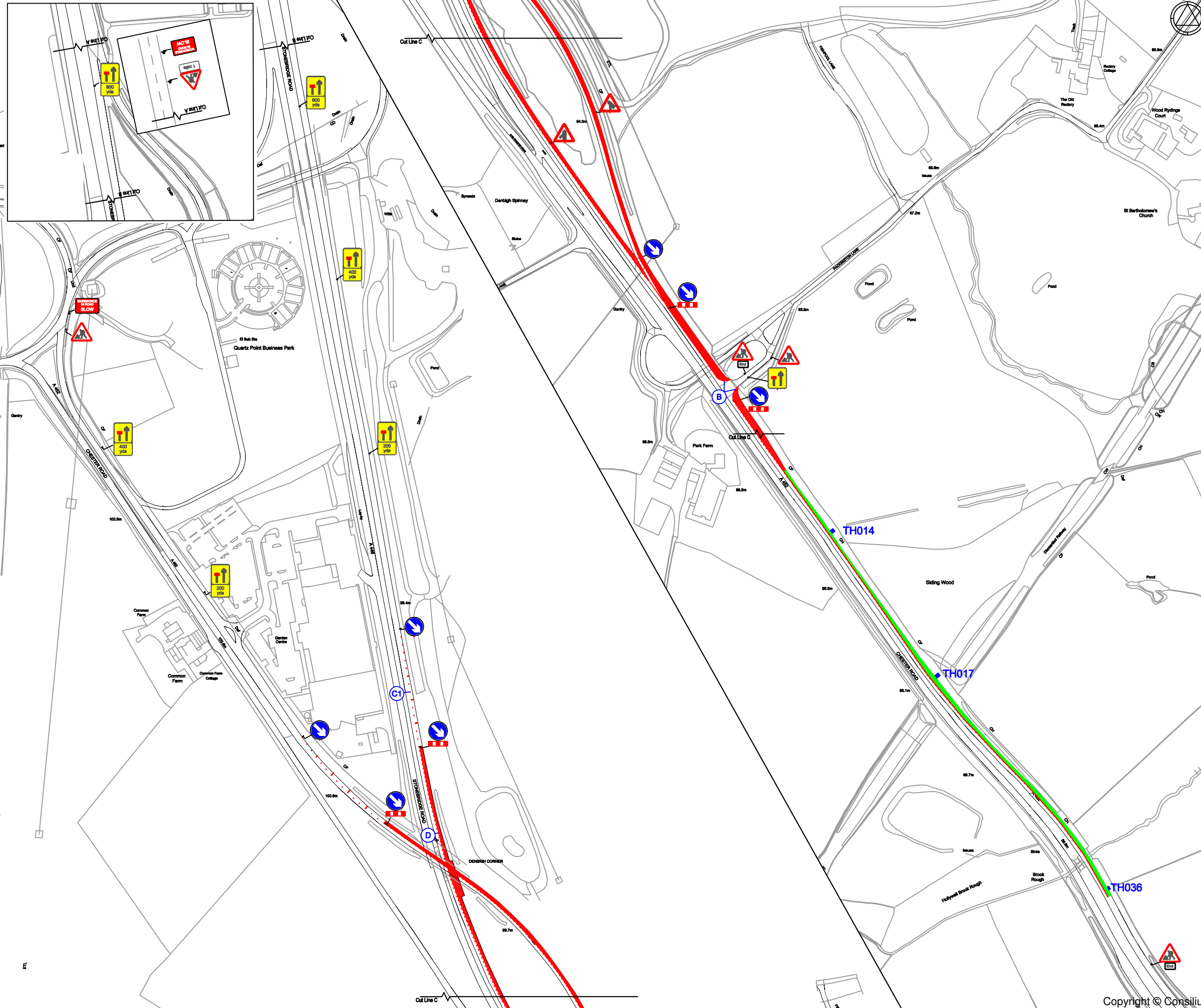
Project
**A452 CHESTER ROAD
BIRMINGHAM
GRID REF: 421169, 283393**

Title
**NORTHBOUND
LANE 1 CLOSURE
WORK PACK 5**

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409 Tyburn Road, Birmingham, B24 8HJ - 0121 328 7266
info@consilium-ts.co.uk - www.consilium-ts.co.uk

Design: AG	Drawn: AG	Chkd: KL
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Scale: NTS @ A3	Status:	
Drawing No 9969.034.1	Rev: B	



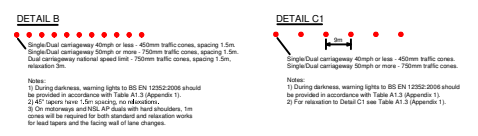
- NOTES**
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 Dual carriageway road with Hard Shoulder (any speed limit) - Rate of Taper 1 in 55
 Motorway (any speed limit) - Rate of Taper 1 in 55



To be agreed on site

KEY

- Cone
- Sign
- Work area
- Safety zone
- Work space
- Safety zone to be used at work area



NOTE
 All sign positions to be risk assessed on site by LTMO/ foreman.

Rev	Description	By	Chkd	Date
A	Additional lane closure added.	AG	JW	27/09/18

Client

Project
**A452 CHESTER ROAD
 BIRMINGHAM**
 GRID REF: 420699, 284063

Title
**SOUTHBOUND
 LANE 1 CLOSURE**
 WORK PACK 5

Design: KL	Drawn: DM	Chkd: KL
Date: 06/08/18	Date: 06/08/18	Date: 06/08/18
Scale: NTS @ A3	Status:	
Drawing No 9969.035	Rev: A	

Client



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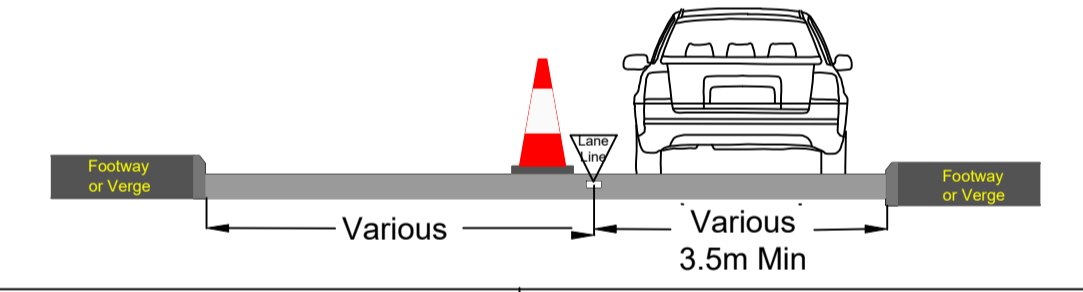
Unit 10-11 Waterside Industrial Estate
Doulton Road, Cradley Heath
Rowley Regis, B65 8JG
www.dtmtraffic.co.uk

Key

	Sign Symbol
	Cone
	Safety Zone
	Works Area
	Works Space
	Diversion Route
	Road Closure Works Area
	Traffic Light Phase
	Traffic / Pedestrian Light Symbol
	Traffic Light
	Pedestrian Light Symbol
	Stop / Go
	Pedestrian Barrier
	Block Board
	Cut Line

Cross Section

Lane 1 Closure or Shuttle Lane



Works Location	Grid Reference
	X(Easting) - 420101 Y(Northing) - 284859

Trial Holes - WP5 - TH02
A452 Chester Road, Coleshill, B46 3HX

Traffic Management Type

Proposed NB High Speed Lane Closure

Notes

Traffic Management Will Comply With The Safety At Street Works And Road Works Code Of Practice.

1)

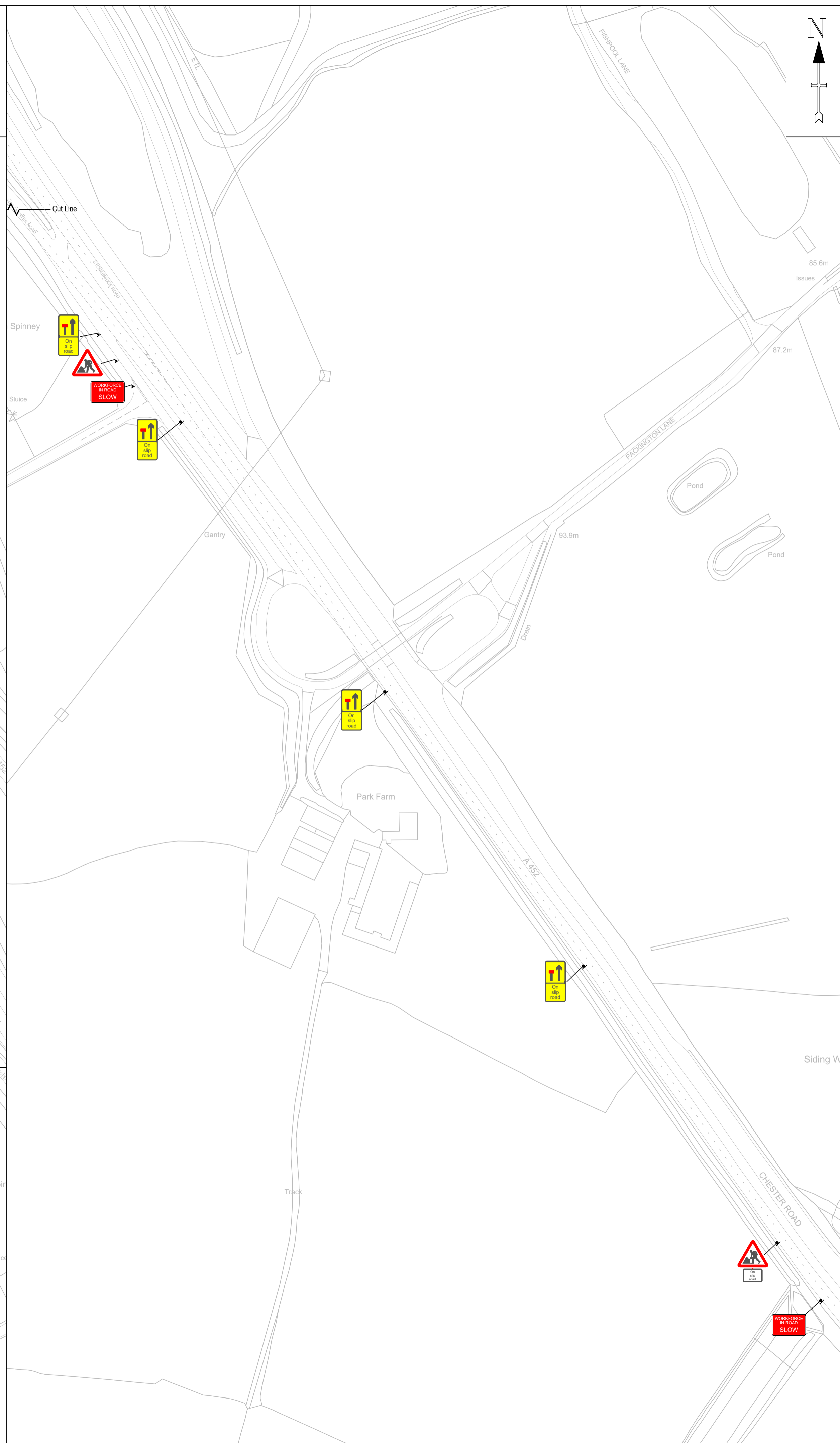
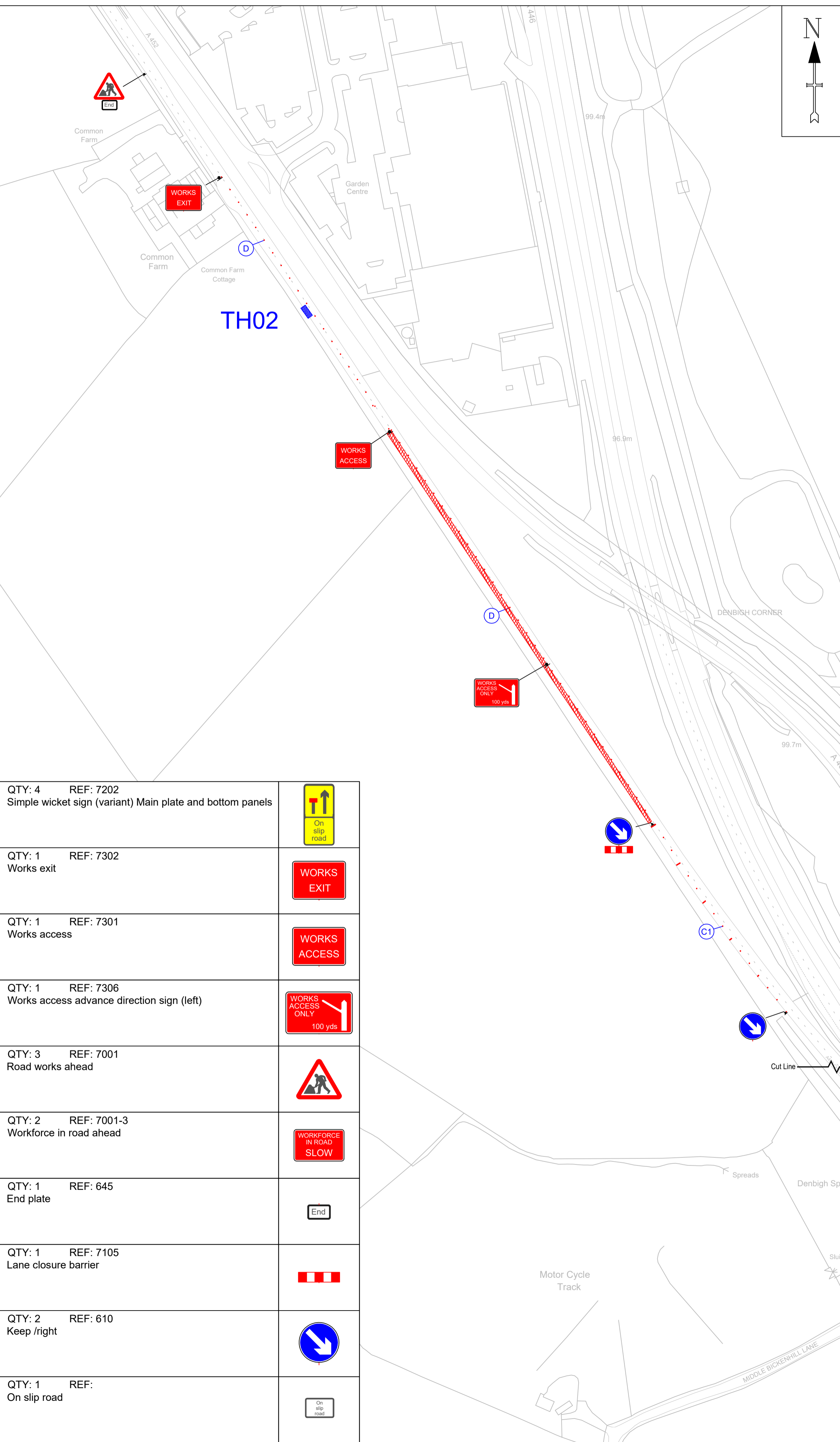


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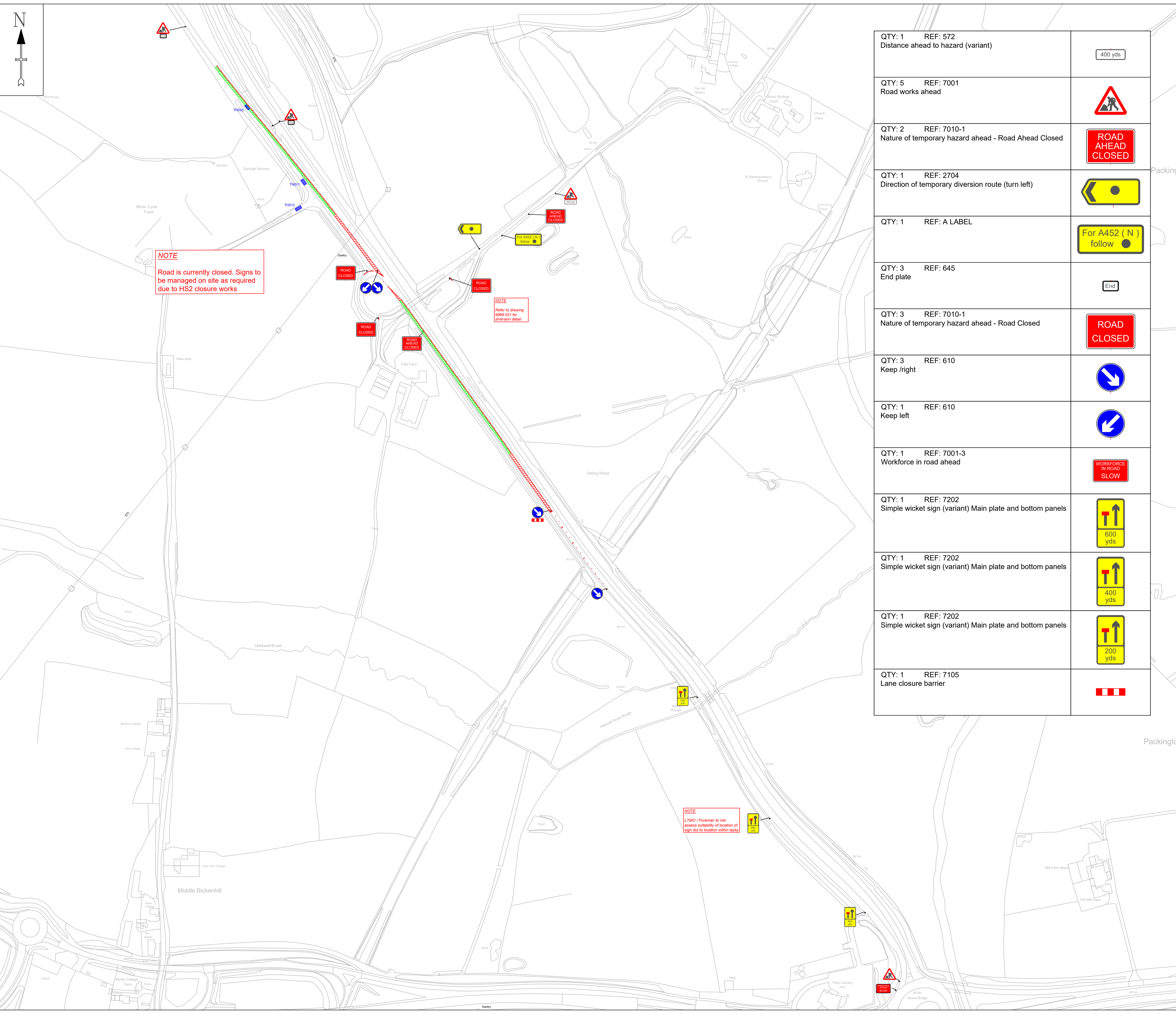
Originator	Designer	Checked	Approved
DTM	JW	RB	KL

Scale: NOT TO SCALE Drawing Date: 26/02/2019

Revision: D Drawing Number: 9969.029.001



QTY: 4 REF: 7202 Simple wicket sign (variant) Main plate and bottom panels	
QTY: 1 REF: 7302 Works exit	
QTY: 1 REF: 7301 Works access	
QTY: 1 REF: 7306 Works access advance direction sign (left)	
QTY: 3 REF: 7001 Road works ahead	
QTY: 2 REF: 7001-3 Workforce in road ahead	
QTY: 1 REF: 645 End plate	
QTY: 1 REF: 7105 Lane closure barrier	
QTY: 2 REF: 610 Keep right	
QTY: 1 REF: On slip road	



QTY: 1	REF: 572	Distance ahead to hazard (variant)	
QTY: 5	REF: 7001	Road works ahead	
QTY: 2	REF: 7010-1	Nature of temporary hazard ahead - Road Ahead Closed	
QTY: 1	REF: 2704	Direction of temporary diversion route (turn left)	
QTY: 1	REF: A LABEL		
QTY: 3	REF: 645	End plate	
QTY: 3	REF: 7010-1	Nature of temporary hazard ahead - Road Closed	
QTY: 3	REF: 610	Keep /right	
QTY: 1	REF: 610	Keep left	
QTY: 1	REF: 7001-3	Workforce in road ahead	
QTY: 1	REF: 7202	Simple wicket sign (variant) Main plate and bottom panels	
QTY: 1	REF: 7202	Simple wicket sign (variant) Main plate and bottom panels	
QTY: 1	REF: 7202	Simple wicket sign (variant) Main plate and bottom panels	
QTY: 1	REF: 7105	Lane closure barrier	

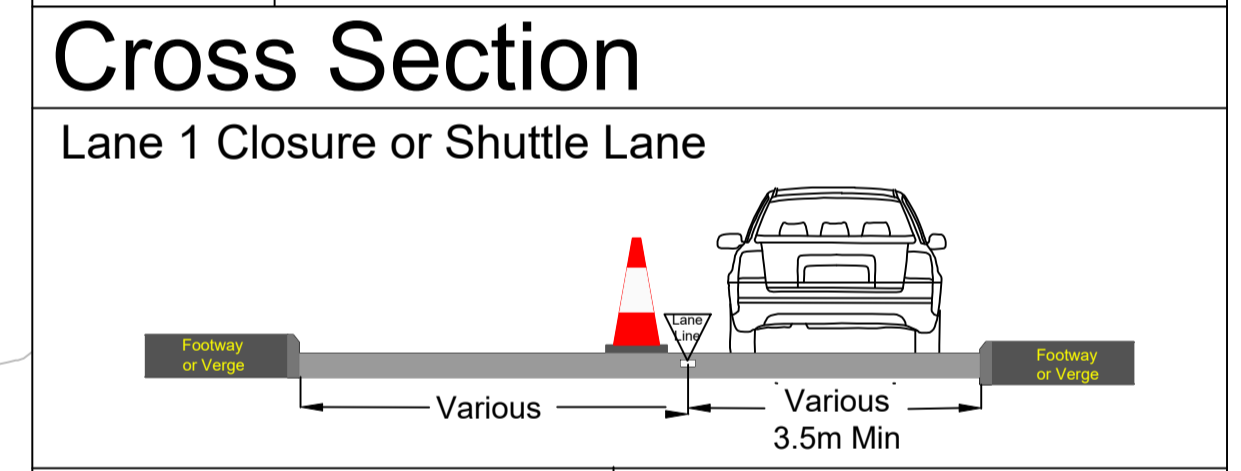
Client

working in partnership with

Unit 10-11 Waterside Industrial Estate
Doulton Road, Cradley Heath
Rowley Regis, B65 8JG
www.dtmtraffic.co.uk

Key

	Sign Symbol
	Cone
	Safety Zone
	Works Area
	Works Space
	Diversion Route
	Road Closure Works Area
	Traffic Light Phase
	Traffic / Pedestrian Light Symbol
	Traffic Light
	Pedestrian Light Symbol
	Stop / Go
	Pedestrian Barrier
	Block Board
	Cut Line



Works Location

Grid Reference
X(Easting) - 420101 Y(Northing) - 284859

Trial Holes - WP5 - TH11, TH12, TH33
A452 Chester Road, Coleshill, B46 3HX

Traffic Management Type

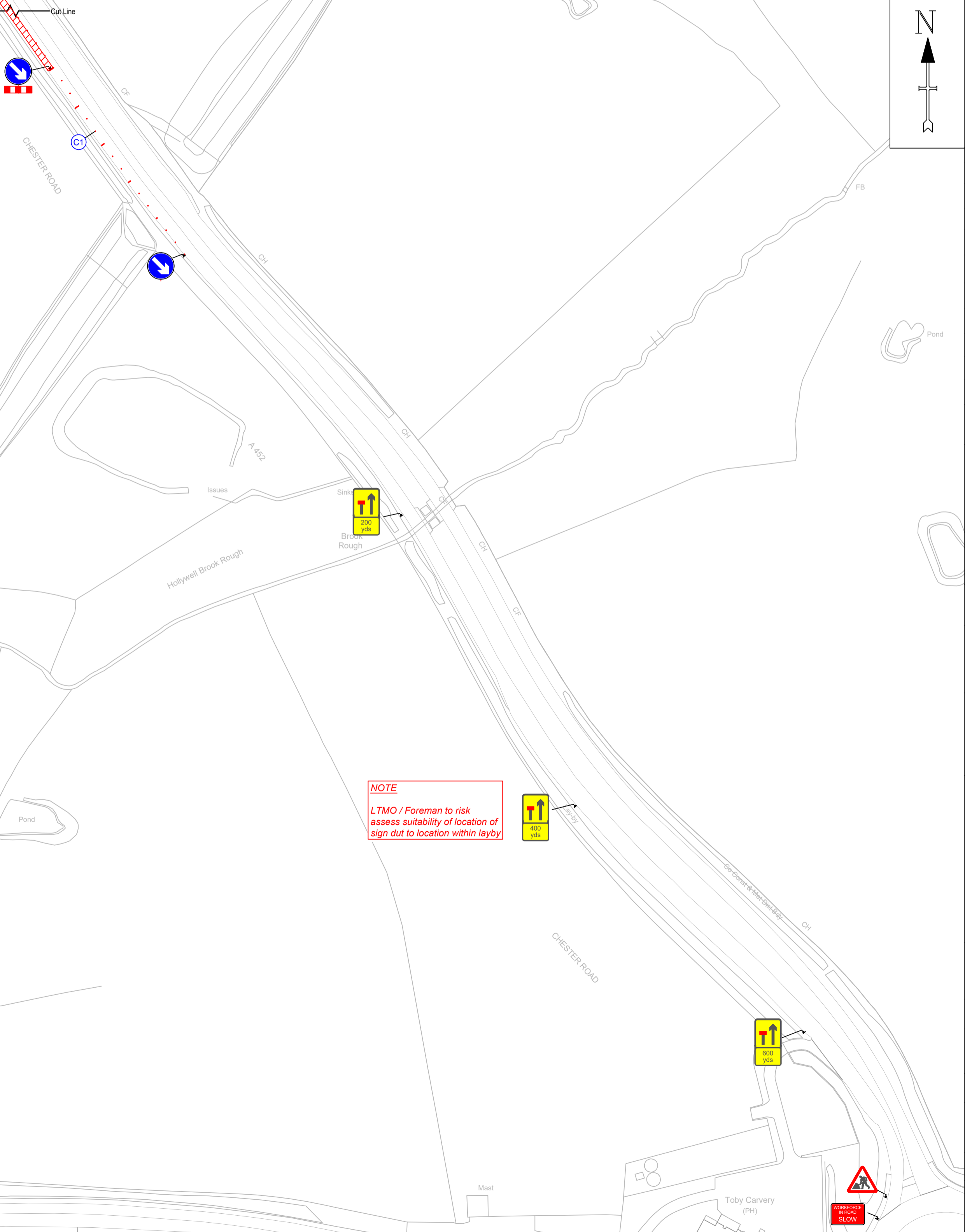
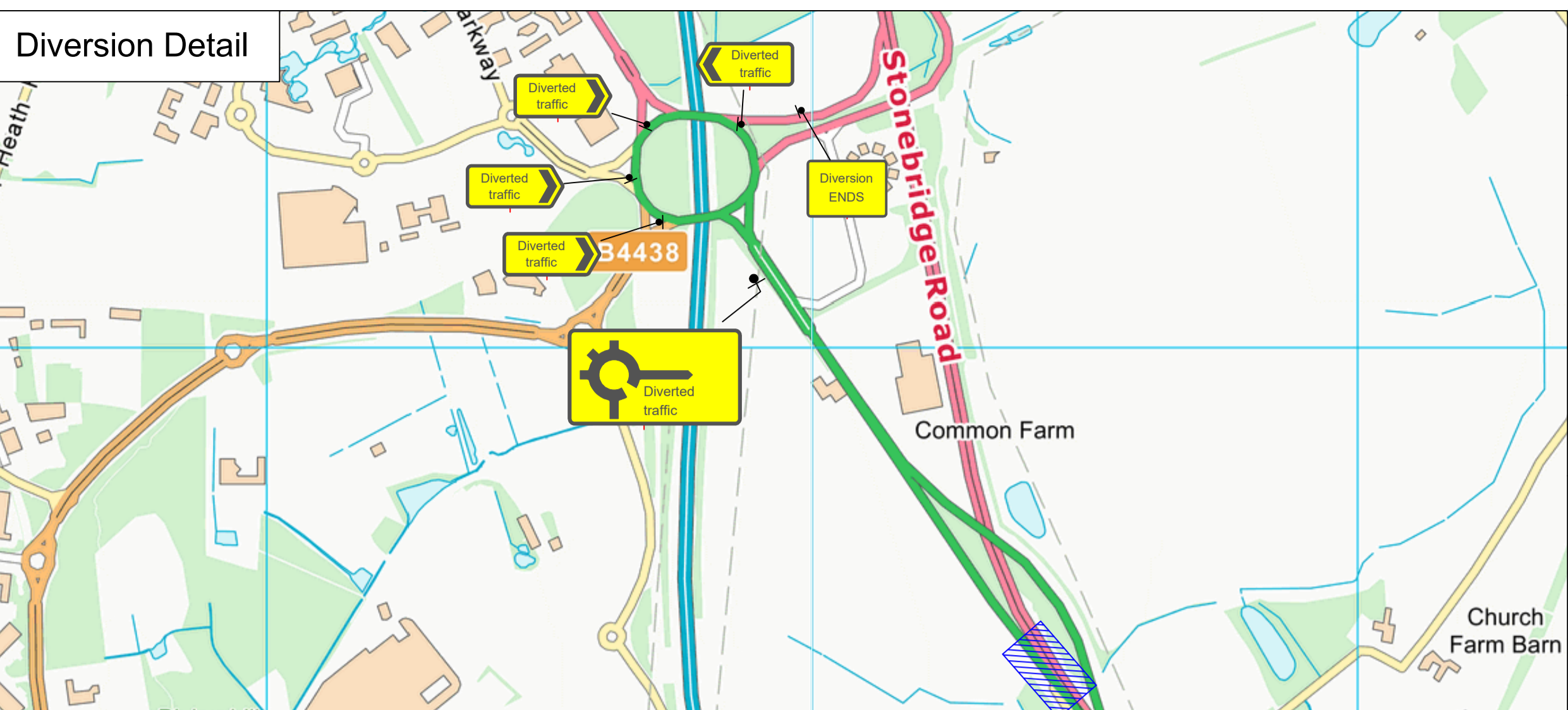
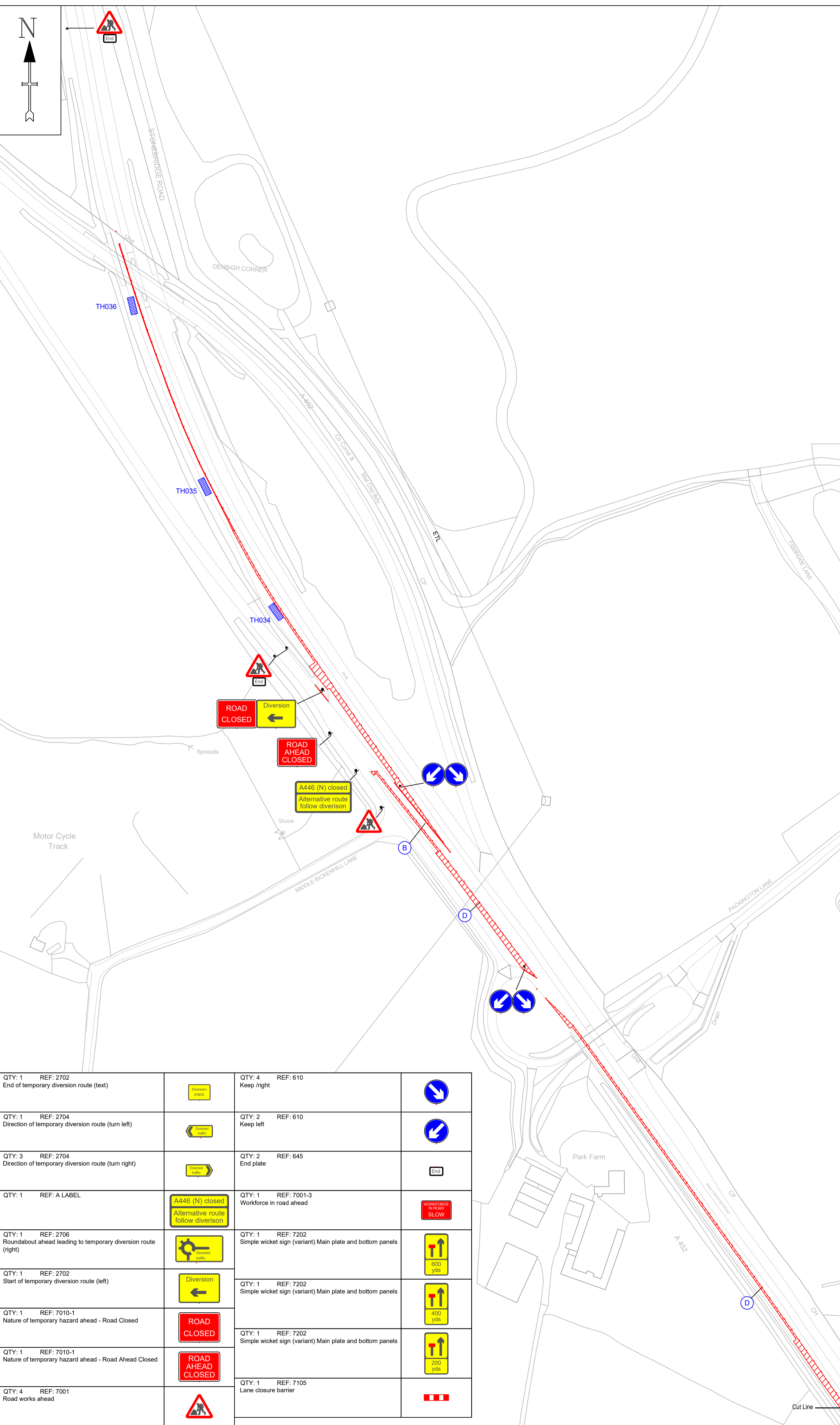
Proposed High Speed Lane Closure / Road Closure Diversion

Notes

1) To be agreed on site

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Originator	Designer	Checked	Approved
DTM	JW	RB	KL
Scale	Drawing Date		
NOT TO SCALE	05/03/2019		
Revision	Drawing Number		
G	9969.030.001		



Client



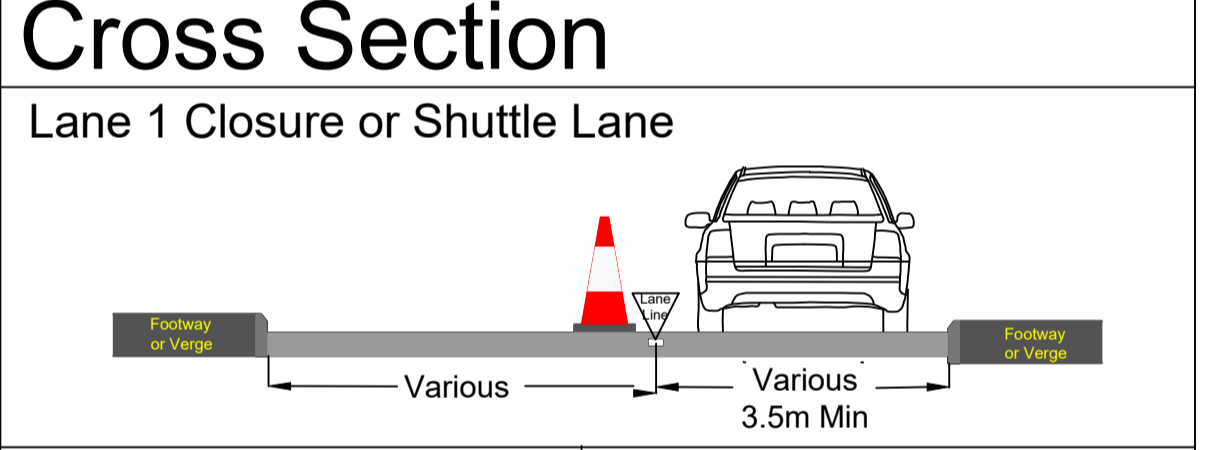
working in partnership with



Unit 10-11 Waterside Industrial Estate
Doulton Road, Cradley Heath
Rowley Regis, B65 8JG
www.dtmtraffic.co.uk

Key

●	Sign Symbol
●	Cone
▨	Safety Zone
▨	Works Area
▨	Works Space
---	Diversion Route
---	Road Closure Works Area
→	Traffic Light Phase
→	Traffic / Pedestrian Light Symbol
⬆	Traffic Light
⬆	Pedestrian Light Symbol
⬆	Stop / Go
⬆	Pedestrian Barrier
▨	Block Board
---	Cut Line



Works Location

Grid Reference	
X(Easting) - 420101	Y(Northing) - 284859

Trial Holes - WP5 - TH34 , TH38, TH39
A452 Chester Road, Coleshill, B46 3HX

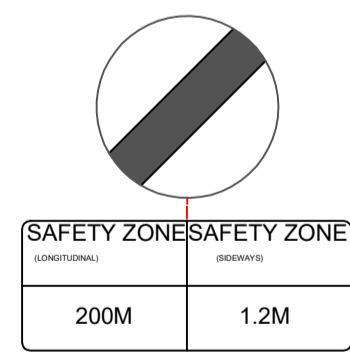
Traffic Management Type

Proposed NB High Speed Lane Closure

Notes

Traffic Management Will Comply With The Safety At Street Works And Road Works Code Of Practice.

1)



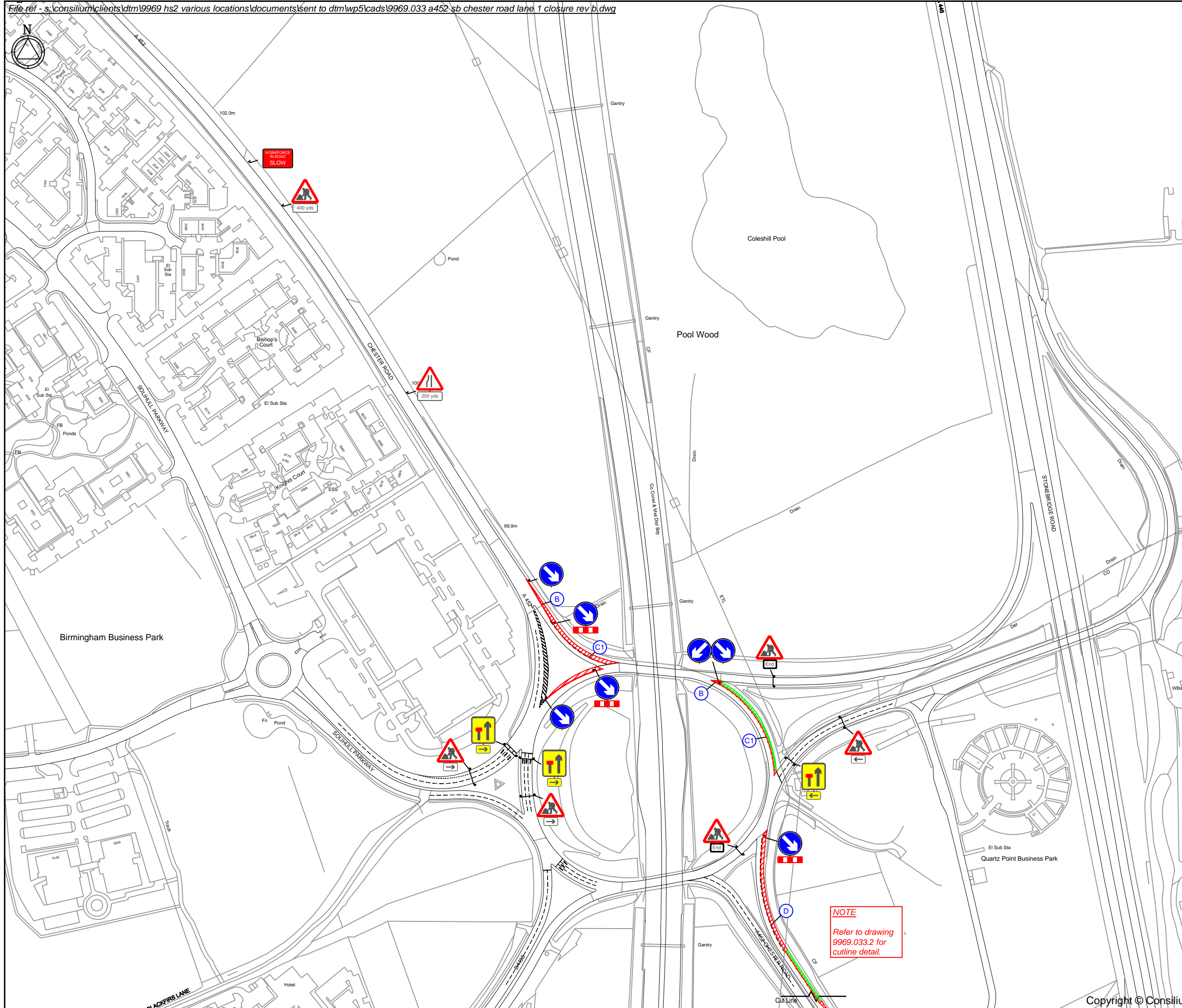
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Originator	Designer	Checked	Approved
DTM	JW	RB	KL

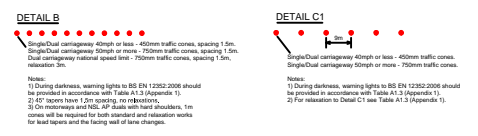
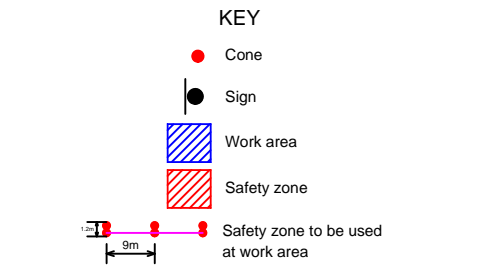
Scale	Drawing Date
NOT TO SCALE	28/02/2019

Revision	Drawing Number
C	9969.032.001

QTY: 1 REF: 2702 End of temporary diversion route (text)		QTY: 4 REF: 610 Keep right	
QTY: 1 REF: 2704 Direction of temporary diversion route (turn left)		QTY: 2 REF: 610 Keep left	
QTY: 3 REF: 2704 Direction of temporary diversion route (turn right)		QTY: 2 REF: 645 End plate	
QTY: 1 REF: A LABEL A446 (N) closed Alternative route follow diversion		QTY: 1 REF: 7001-3 Workforce in road ahead	
QTY: 1 REF: 2708 Roundabout ahead leading to temporary diversion route (right)		QTY: 1 REF: 7202 Simple wicket sign (variant) Main plate and bottom panels	
QTY: 1 REF: 2702 Start of temporary diversion route (left)		QTY: 1 REF: 7202 Simple wicket sign (variant) Main plate and bottom panels	
QTY: 1 REF: 7010-1 Nature of temporary hazard ahead - Road Closed		QTY: 1 REF: 7202 Simple wicket sign (variant) Main plate and bottom panels	
QTY: 1 REF: 7010-1 Nature of temporary hazard ahead - Road Ahead Closed		QTY: 1 REF: 7105 Lane closure barrier	
QTY: 4 REF: 7001 Road works ahead			



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 Single carriageway road (speed limit 40 mph) - Rate of Taper 1 in 20
 Single carriageway road (speed limit 50 mph or more) - Rate of Taper 1 in 25
 Dual carriageway road without Hard Shoulder (speed limit 40 mph or less) - Rate of Taper 1 in 25
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 Motorway (any speed limit) - Rate of Taper 1 in 55



NOTE

All sign positions to be risk assessed on site by LTMO/ foreman.

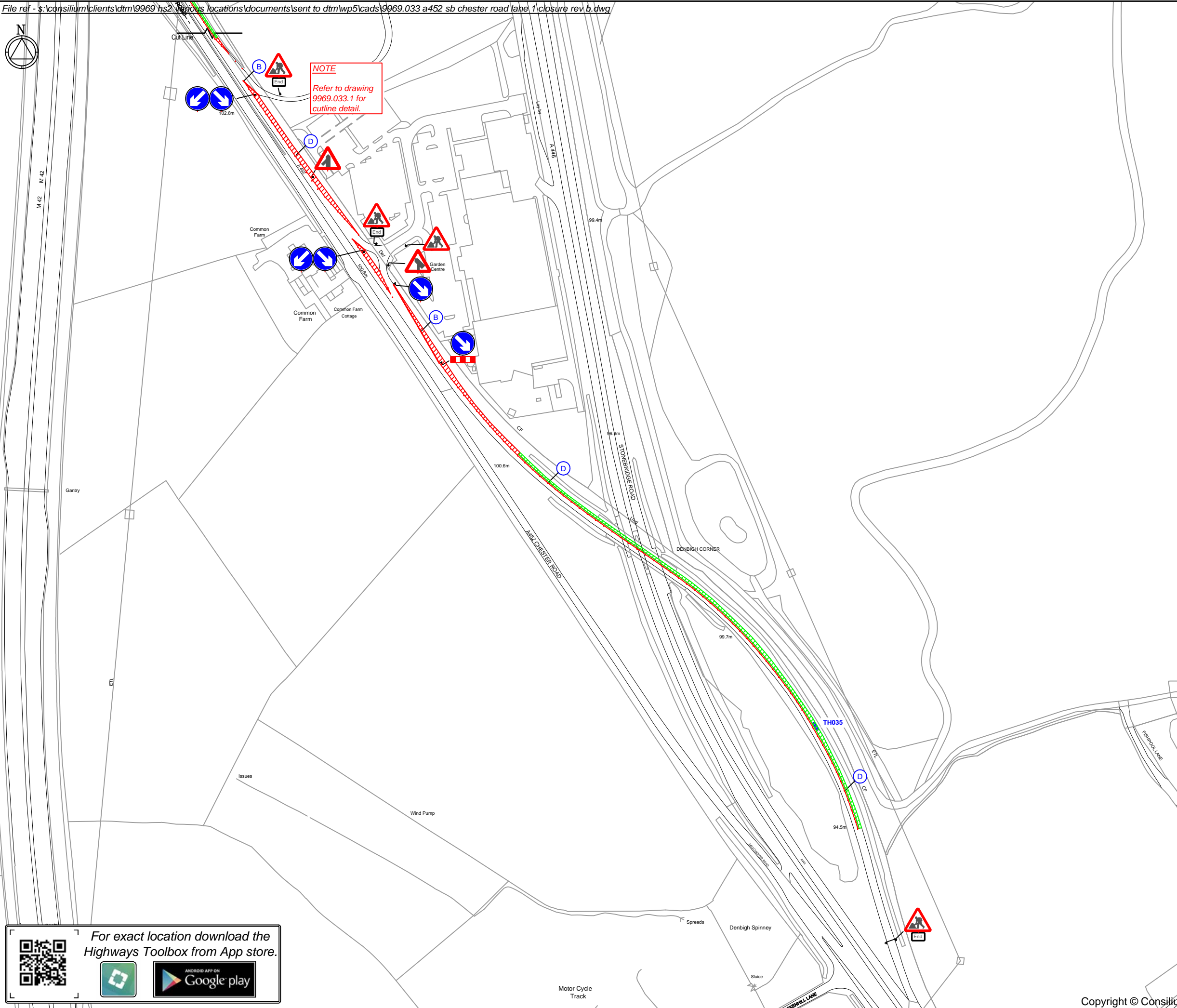
B	Taper added.	AG	JW	21.08.18
A	Lane lines and hatched area added.	AG	JW	21.08.18
Rev	Description	By	Chkd	Date

Client

Project
**A452 CHESTER ROAD
 BIRMINGHAM
 GRID REF: 420498 , 284473**

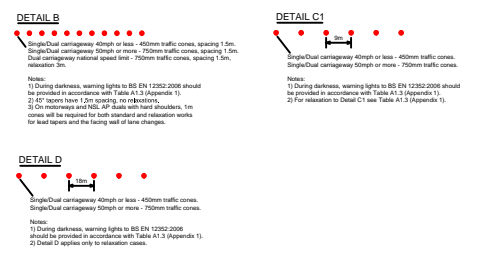
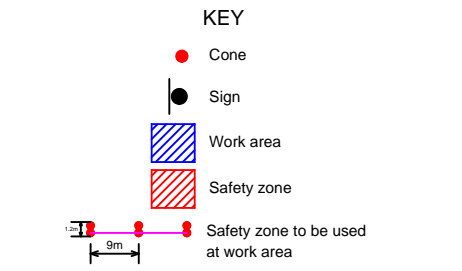
Title
**SOUTHBOUND
 LANE 1 CLOSURE
 WORK PACK 5**

Design: AJ	Drawn: AJ	Chkd: KL
Date: 05/08/18	Date: 05/08/18	Date: 05/08/18
Scale: NTS @ A3	Status:	
Drawing No 9969.033.1	Rev: B	



NOTE
Refer to drawing
9969.033.1 for
outline detail.

- NOTES**
- All traffic signs shall comply with Chapter 8 of the Traffic Signs Manual
 - All traffic management equipment shall be provided by the Contractor, unless otherwise specified.
 - All signs shall be positioned so as not to be obscured by any other objects and shall not obstruct any other sign, permanent or temporary as much as is reasonably practicable.
 - The minimum lateral clearance between any area in which work is being carried out and that part of the carriageway available to traffic shall be 0.5m for roads with a speed limit of 40 mph or less and 1.2m for motorways and roads with a speed limit of 50 mph or more.
 - All traffic signs shall meet the reflectorisation requirements of BS 673 : Part 6 : 1983, Table 1.
 - The permitted use of given types of closure shall be as specified.
 - Constraints on the use of given types of closure shall be as specified.
 - The lengths of tapers shown on the standard lane closure drawings are based on a basic lane width of 3.65m, rounded up to generally the nearest 5m. Where the actual lane width varies from the figure the following shall be used to calculate taper lengths:
Single carriageway road (speed limit 30 mph or less) - Rate of Taper 1 in 13
Single carriageway road (speed limit 40 mph) - Rate of Taper 1 in 20
Single carriageway road (speed limit 50 mph or more) - Rate of Taper 1 in 25
Dual carriageway road without Hard Shoulder (speed limit 40 mph or less) - Rate of Taper 1 in 25
Dual carriageway road without Hard Shoulder (speed limit 50 mph or more) - Rate of Taper 1 in 32
Dual carriageway road with Hard Shoulder (any speed limit) - Rate of Taper 1 in 55
Motorway (any speed limit) - Rate of Taper 1 in 55



NOTE
All sign positions to be risk assessed on site by LTMO/ foreman.

A	Hatched area added.	AG	JW	21.08.18
Rev	Description	By	Chkd	Date

Client

Project
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BIRMINGHAM
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Title
**SOUTHBOUND
LANE 1 CLOSURE
WORK PACK 5**

Design: AJ	Drawn: AJ	Chkd: KL
Date: 05/08/18	Date: 05/08/18	Date: 05/08/18
Scale: NTS @ A3	Status:	
Drawing No	9969.033.2	Rev: A

For exact location download the Highways Toolbox from App store.