

**HS2 FORM TM1**

<b>Highway Authority</b>	Solihull Metropolitan Borough Council
<b>Street(s)/USRN(s)</b>	A452 Kenilworth Road 35010030
<b>HS2 Consent Reference</b>	THW.AN.LMJV.SMBC.355 <b>REV 1</b>
<b>Contractor document reference</b>	TBC
<b>Submission Date (to Highway Authority)</b>	10/12/2019
<b>Proposed start date of works</b>	12/01/2020
<b>Proposed end date of works</b>	12/10/2020
<b>Consultation end/ requested response date</b>	20/12/2019
<b>Deemed consent date (if required)</b>	07/01/2020

## 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:

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

<b>Table 1. High level summary</b> <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 checked="" 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> )	<input type="checkbox"/>	Priority working	<input type="checkbox"/>	Narrowing of Lane	<input type="checkbox"/>
	Trial holes	<input type="checkbox"/>	Erection of scaffolding/hoarding	<input type="checkbox"/>	Works in the carriageway	<input type="checkbox"/>	Off Peak	<input checked="" type="checkbox"/>	Street works (NRSWA)	<input type="checkbox"/>	Stop / Go	<input type="checkbox"/>	Signage only	<input checked="" type="checkbox"/>	Road Closure	<input type="checkbox"/>	Works to existing or new traffic signals infrastructure	<input type="checkbox"/>	Associated utility works	<input checked="" type="checkbox"/>	Other: Layby closure	<input checked="" type="checkbox"/>

**Table 2. Detailed works description, traffic management phasing and intended programme**

Row No.	Road name	Extent of Temporary Interference	Consent or Consultation	USRN	Grid Ref	ETo N 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
1.	A452 NB	200m north of Mercote Hall Lane (AKA Dale Road) to Bradnocks Marsh Island (AKA Aston Martin Island)	Consent	35010030	SP235780 to SP222794	N/A	1	602-1 602-2	NB closure to install barrier on lane 1 NB	Night time NB closure and associated diversion route	20:00 12 <sup>th</sup> - 06:00 13 <sup>th</sup>	12/01/2020	13/01/2020
2.	A452 NB	200m north of Mercote Hall Lane (AKA Dale Road) to Bradnocks Marsh Island (AKA Aston Martin Island)	Consent	35010030	SP219805 to SP224793	N/A	2	202	NB static lane closure to facilitate barrier in lane 1	NB Lane 1 closure	24/7	13/01/2020	24/02/2020
3.	A452 SB	200m north of Mercote Hall Lane (AKA Dale Road) to Bradnocks Marsh Island (AKA Aston Martin Island)	Consent	35010030	SP235780 to SP222794	N/A	3	601-1 601-2	SB closure to install barrier on lane 1 SB	Night time SB closure and associated diversion route	20:00 13 <sup>th</sup> - 06:00 14 <sup>th</sup>	13/01/2020	14/01/2020
4.	A452 SB	200m north of Mercote Hall Lane (AKA Dale Road) to Bradnocks Marsh Island (AKA Aston Martin Island)	Consent	35010030	SP219805 to SP224793	N/A	4	202	SB static lane closure to facilitate barrier in lane 1	SB Lane 1 closure	24/7	14/01/2020	10/02/2020
5.	A452 SB	200m north of Mercote Hall Lane (AKA Dale Road) to Bradnocks Marsh Island (AKA Aston Martin Island)	Consent	35010030	SP235780 to SP222794	N/A	5	601-1 601-2	SB closure to facilitate utility trenching	Night time SB closure and associated diversion route	20:00-06:00	03/02/2020	10/02/2020
6.	A452 NB	200m north of Mercote Hall Lane (AKA Dale Road) to Bradnocks	Consent	35010030	SP235780 to SP222794	N/A	6	602-1 602-2	NB closure to facilitate utility trenching	Night time NB closure and associated diversion route	20:00 12 <sup>th</sup> - 06:00 13 <sup>th</sup>	17/02/2020	24/02/2020

		Marsh Island (AKA Aston Martin Island)											
7.	A452 NB	200m north of Mercote Hall Lane (AKA Dale Road) to Bradnocks Marsh Island (AKA Aston Martin Island)	Consent	35010030	SP219805 to SP224793	N/A	7	301	NB static lane closure to facilitate barrier in lane 2	NB Lane 2 closure	24/7	24/02/2020	24/04/2020
8.	A452 SB	200m north of Mercote Hall Lane (AKA Dale Road) to Bradnocks Marsh Island (AKA Aston Martin Island)	Consent	35010030	SP219805 to SP224793	N/A	8	301	SB static lane closure to facilitate barrier in lane 2	SB Lane 2 closure	24/7	24/02/2020	24/04/2020
9.	A452	200m north of Mercote Hall Lane (AKA Dale Road) to Bradnocks Marsh Island (AKA Aston Martin Island)	Consent	35010030	SP235780 to SP222794	N/A	9	602-1 602-2	NB closure to install central reserve running lane	Night time NB closure and associated diversion route	20:00 27 <sup>th</sup> - 06:00 28 <sup>th</sup>	27/04/2020	28/04/2020
10.	A452	200m north of Mercote Hall Lane (AKA Dale Road) to Bradnocks Marsh Island (AKA Aston Martin Island)	Consent	35010030	SP219805 to SP224793	N/A	10	401	Central reserve running lane, single lane each direction to roundabout facilitate build	Central reserve running	24/7	28/04/2020	07/09/2020
11.	A452	200m north of Mercote Hall Lane (AKA Dale Road) to Bradnocks Marsh Island (AKA Aston Martin Island)	Consent	35010030	SP235780 to SP222794	N/A	11	602-1 602-2	NB closure to remove central reserve running lane	Night time NB closure and associated diversion route	20:00 8 <sup>th</sup> - 06:00 9 <sup>th</sup>	08/09/2020	09/09/2020
12.	A452	200m north of Mercote Hall Lane (AKA Dale Road) to Bradnocks Marsh Island (AKA Aston Martin Island)	Consent	35010030	SP219805 to SP224793	N/A	12	501	Lane 1 running SB and NB around new roundabout to facilitate build	Lane 1 running NB and SB	24/7	09/09/2020	12/10/2020
13.	A452 SB Layby	Layby opposite Manor Nurseries on the SB	Consent	35010030	SP221798	N/A	1a	202 301 401 501	Layby closure	Layby closure	24/7	12/01/2020	12/10/2020

Error! Reference source not found.

Schedule 4 Part 2 paragraph 6 – Temporary Interference

Schedule 33 Part 1, Schedule 2 Part 1

Form TM 1 - PH1-HS2-CL-TEM-000-000001 [Revision Po4]

# HS2

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

Date	Details
2 <sup>nd</sup> Thursday every month	Various TLGs through the year

## Details of associated consents/approvals

Park Lane closure sch4 – THW.AN.LMJV.SMBC.0242  
WCC diversion sch4 – THW.AN.LMJV.WCC.356  
HE diversion sch4 – THW.AN.LMJV.HE.357

## Document references and supporting information

Title	Phase (from Table 2)	Reference	Version
TFXSC0030 202	2,4,1a		A
TFXSC0030 301	7,8,1a		A
TFXSC0030 401	10,1a		B
TFXSC0030 501	12,1a		-
TFXSC0030 601-1	3,5		A
TFXSC0030 601-2	3,5		A
TFXSC0030 602-1	1,6,9		A
TFXSC0030 602-2	1,6,11		A

## 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]**

<b>Contractor</b>	LM-JV Cornerblock, Two Cornwall Street, Birmingham, B3 2DX
<b>Contractor Authorised Signatory</b>	
<b>Contractor Site Contact Details</b>	HS2 Helpdesk – 08081 434 434

## Highway Authority Response Sheet

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

<b>HS2 Consent Reference:</b>	
<b>Street(s):</b>	
<b>Submission Date:</b>	
<b>Response Date:</b>	

### Local Highway Authority Response

<b>Highway Authority:</b>	
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**Decision on the application by the highway authority, if consent is required:**

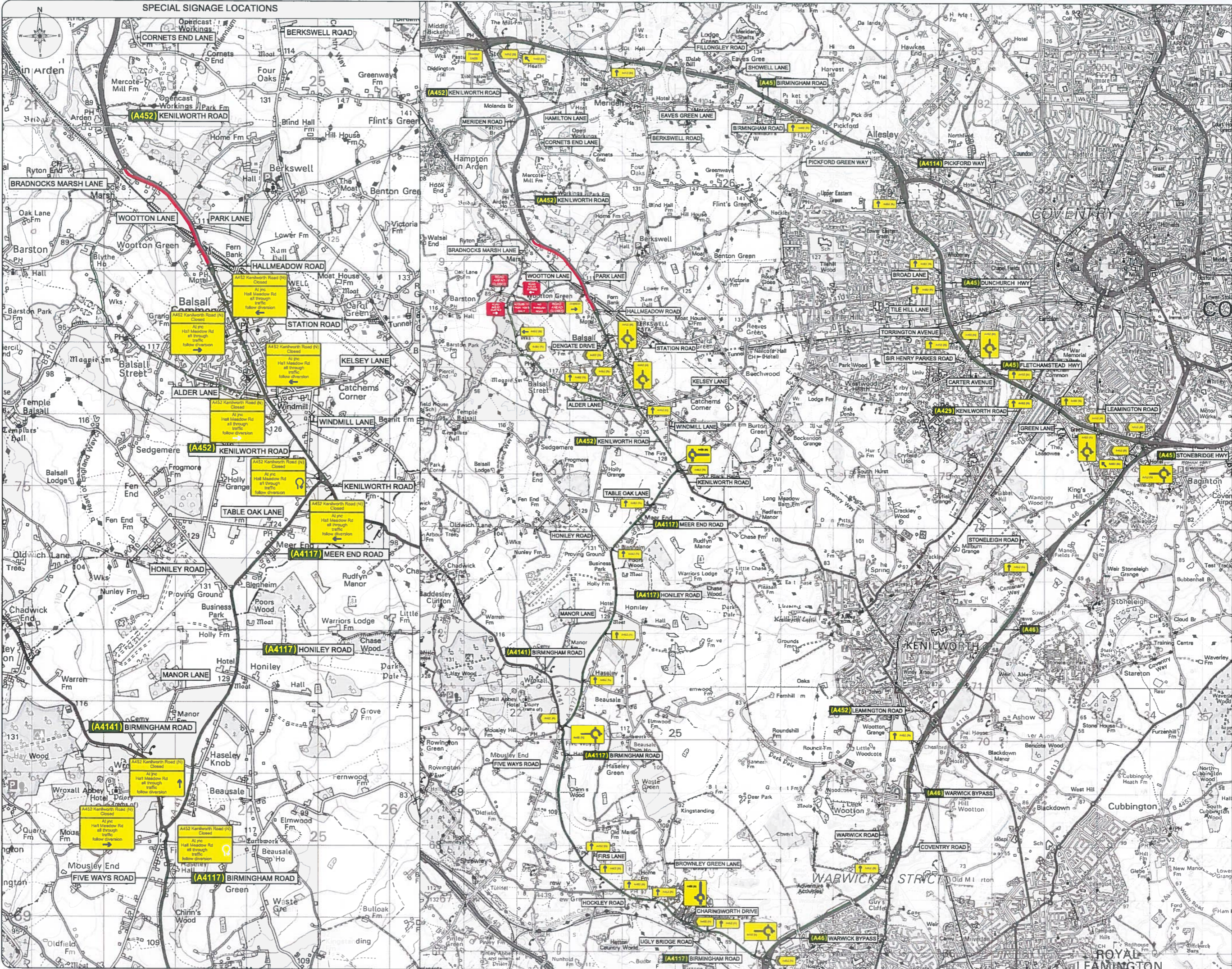
<b>Consent granted</b> <input checked="" type="checkbox"/>	<i>If consent withheld or consent with comments, state ground(s) below:</i>
<b>Consent granted with comments</b> <input type="checkbox"/>	
<b>Consent withheld</b> <input type="checkbox"/>	
<b>Consultation</b> <input type="checkbox"/>	<i>[Insert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

Signature: \_\_\_\_\_LPardy\_\_\_\_\_ Date: \_\_\_10/01/2020\_\_\_\_\_

Name of highway authority's authorised representative: \_\_\_\_\_Lisa Pardy\_\_\_\_\_



SPECIAL SIGNAGE LOCATIONS



Key	
	Works Area
	Road Closure
	Diversion Route
	Sign
	Temporary Traffic Signal
	Stop & Go Board
	Permanent Traffic Signal
	Temporary Ped Signal
	Prohibition Sign
	Temporary Sign
	Enabling Sign
	3.4T Van
	Subsidiary sign
	Inductive HSE route

Site Information	
Road Speed	
Min width of sidewalks safety zone (S)	1.2m
Min length of longways clearance (L)	100m
Surveyed	N
Road Width	See dwg 001
Site Length	665m
Bus Route	Y
Road Type	Dual carriageway

Notes:  
 Desktop survey undertaken from google street view with imagery dated July 2018 & August 2018.  
 Dimensions shown have been taken from OS data and no site survey works have been undertaken at this stage.  
 Carriageway dimensions shown are taken from kerb to kerb and it has been assumed that lanes are of equal width.

Rev	Date	Comments	By	Chk
A	02/01/2020	Division signage amended	WS	CM

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 info@traffix.com | www.traffix.com

Project Info			
Traffic Management Works Package 4c			
Proposed NB Diversion Route A452 Kenilworth Road Berkswell CV7 7BP			
Date:	08/04/2018	Scale:	NTS
Drawn:	CM	Checked:	BNH
Project Number:	TFX SC0030	Approved:	MO
		Drawing Number:	602-2
		Revised:	A

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SPECIAL SIGNAGE LOCATIONS



**Key**

	Write Area		Temporary Traffic Signal
	Road Closure		Blue & Go Board
	Diversion Route		Permanent Traffic Signal
	Carrieway		Temporary Ped Signal
	Footpath Barrier		Existing Bus Stop
	Temporary Sign		3.5T Van
	Shortturnoff access		Indicate H22 mile

**Site Information**

Road Speed	
Min width of sideways safety zone (S)	1.2m
Min length of longways clearance (L)	100m
Surveyed	N
Road Width	See dwg 001
Site Length	665m
Bus Route	Y
Road Type	Dual carriageway

**Notes:**

Desktop survey undertaken from google street view with imagery dated July 2018 & August 2018.

Dimensions shown have been taken from OS data and no site survey works have been undertaken at this stage.

Carriageway dimensions shown are taken from kerb to kerb and it has been assumed that lanes are of equal width.

**WORKFORCE IN ROAD**  
Signs to be positioned as required to suit site conditions

Author	12/01/2022	Diversion signage amended	WFS	CL
Check				
Issue				
Rev				

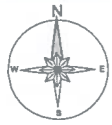
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**Project Info:**

Traffic Management			
Working Package 4c			
Proposed SB Diversion Route			
A452 Kenilworth Road			
Berkswell			
CV7 7BP			
Date:	18/04/2019	Scale:	A1
Drawn:	CM	Checked:	MO
Project Number:	TFX SC0030	Drawing Number:	601-2
		Revised:	A

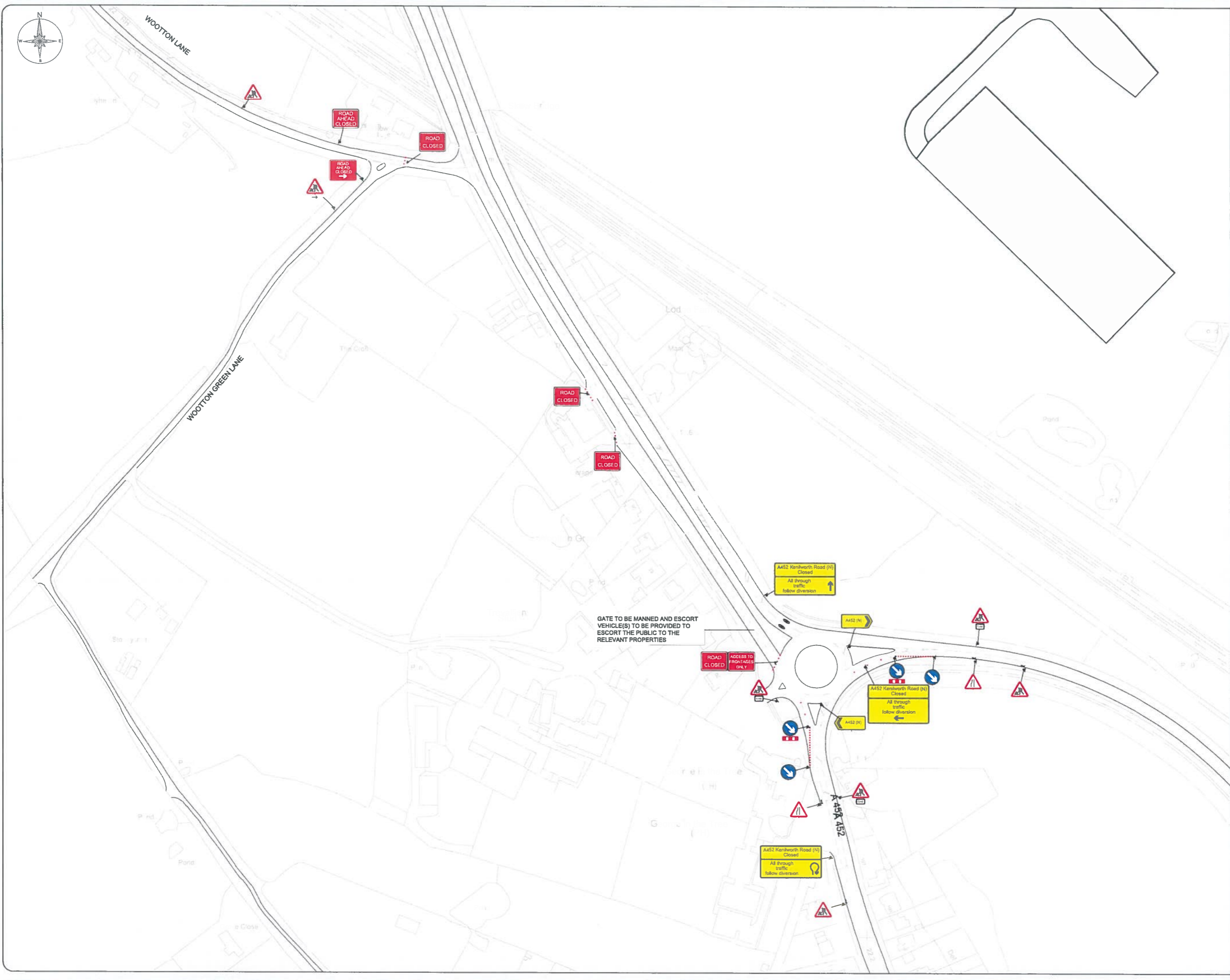
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WOOTTON LANE

WOOTTON GREEN LANE



**Key:**

	Work Area		Temporary Traffic Signal
	Road Closure		Stop & Go Board
	Diversion Route		Permanent Traffic Signal
	Conc.		Temporary Ped Signal
	Prohibition Barrier		Existing Bus Stop
	Temporary Sign		3.5T Van
	Minimum road access		Indicative H22 route

**Site Information:**

Road Speed	30
Min width of sideways safety zone (S)	1.2m
Min length of longways clearance (L)	100m
Surveyed	N
Road Width	See dwg 001
Site Length	665m
Bus Route	Y
Road Type	Dual carriageway

**Notes:**

Desktop survey undertaken from google street view with imagery dated July 2018 & August 2018.

Dimensions shown have been taken from OS data and no site survey works have been undertaken at this stage.

Carriageway dimensions shown are taken from kerb to kerb and it has been assumed that lanes are of equal width.



GATE TO BE MANNED AND ESCORT VEHICLE(S) TO BE PROVIDED TO ESCORT THE PUBLIC TO THE RELEVANT PROPERTIES

ROAD CLOSED

ACCESS TO FRONTAGES ONLY

A452 Kenilworth Road (N) Closed  
All through traffic follow diversion

A452 (N)

A452 Kenilworth Road (N) Closed  
All through traffic follow diversion

A452 (N)

A452 Kenilworth Road (N) Closed  
All through traffic follow diversion

A452 (N)

Rev	Date	Comments	By	Chk
A	03/01/2023	Speeds amended	WS	CM

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**Project Info:**

**Traffic Management**  
Works Package 4c

**Working on:**  
Proposed NB Road Closure  
A452 Kenilworth Road  
Barkswell  
CV7 7FB

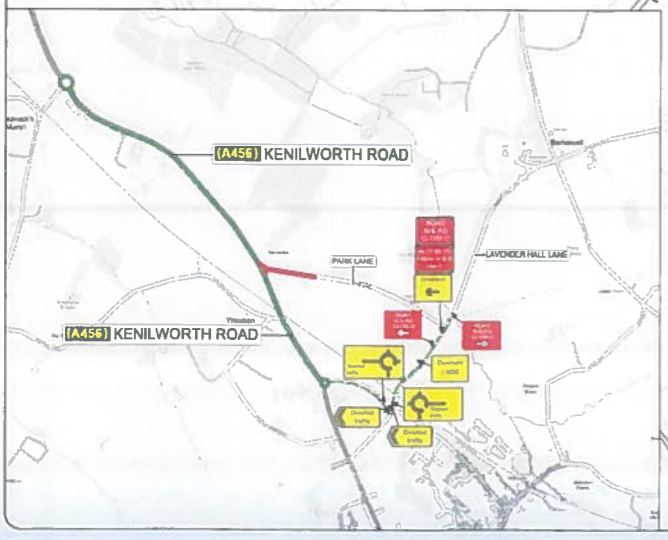
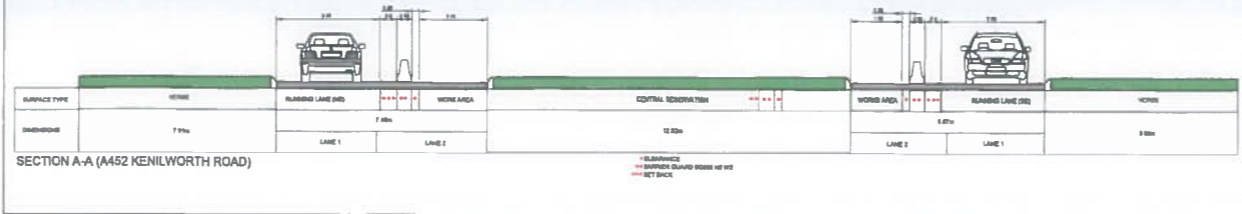
Date:	Scale:	Paper:
08/04/2019	1:1000	A1
Drawn:	Checked:	Approved:
CM	BNH	MO
Project Number:	Drawing Number:	Revision:
TFX SC0030	802-1	A

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Symbol	Description
[Symbol]	Temporary Traffic Sign
[Symbol]	Blue & Red Sign
[Symbol]	Permanent Traffic Sign
[Symbol]	Temporary Traffic Sign
[Symbol]	Blue & Red Sign
[Symbol]	Permanent Traffic Sign
[Symbol]	Temporary Traffic Sign
[Symbol]	Blue & Red Sign
[Symbol]	Permanent Traffic Sign

**Site Information:**

Road Speed: 30  
 Min width of abutment safety zone (S): 1.2m  
 Min length of temporary closure (L): 150m  
 Roadway: N  
 Road Width: 30m (30m)  
 Site Length: 600m  
 Blue Route: Y  
 Road Type: Dual carriageway

**Notes:**  
 Doublet survey undertaken from ground level with proper control July 2018 & August 2018  
 Dimensions shown have been taken from OS data and no site survey works have been undertaken at this stage  
 Carriageway dimensions shown are taken from both to north and to south and have been assumed that signs are of equal width

**DETAILS:**  
 Proposed road works to Stage 3 of 3 construction to be completed by 31st Dec 2019  
 Working hours: 07:00 to 19:00  
 If Stage 3 of Road 3 works are undertaken, please see the details for the temporary traffic signs and signs to be used for the duration of the works. Please refer to the details for the temporary traffic signs and signs to be used for the duration of the works.

**DETAIL F1:**  
 Proposed road works to Stage 1 of 3 construction to be completed by 31st Dec 2019  
 Working hours: 07:00 to 19:00  
 If Stage 1 of Road 3 works are undertaken, please see the details for the temporary traffic signs and signs to be used for the duration of the works. Please refer to the details for the temporary traffic signs and signs to be used for the duration of the works.

**DETAIL (BARRIER):**  
 Details for the barrier layout.

**DELAYS:**  
 Delays possible until 31st Dec 2019

**TEXT REQUIREMENTS TO BE CONFIRMED:**  
 For Park Lane diversion (S8)  
 Refer to drawing 201

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**Project:** Traffic Management  
**Package:** Work Package 4c  
**Stage:** 3  
**Proposed:** Lane Two Closure  
**Location:** A452 Kenilworth Road  
**Contract:** CV7 778  
**Client:** TfX  
**Contract No.:** TFX SC0930

**Drawings:**  
 No. | Date | Description  
 01 | 11/2019 | AD  
 02 | 08/2019 | SD  
 03 | 08/2019 | SD  
 04 | 08/2019 | SD  
 05 | 08/2019 | SD

**Approval:**  
 Prepared by: [Name]  
 Checked by: [Name]  
 Approved by: [Name]

















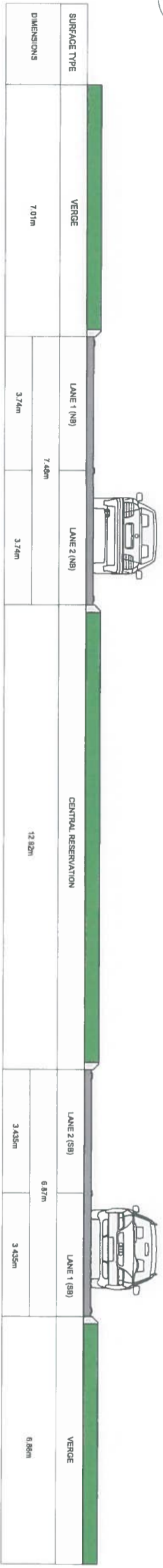




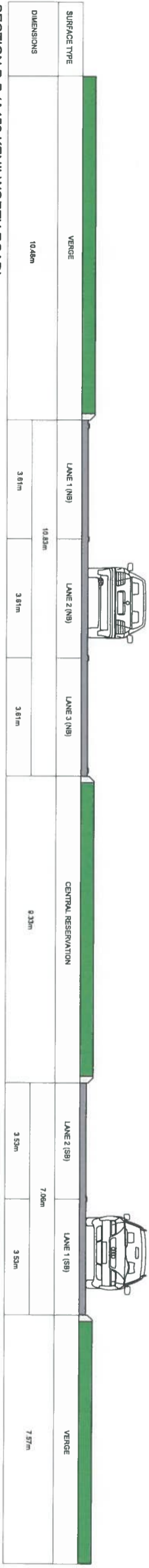




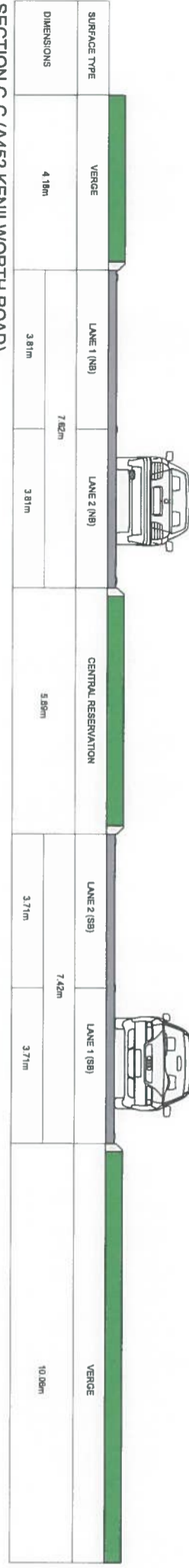




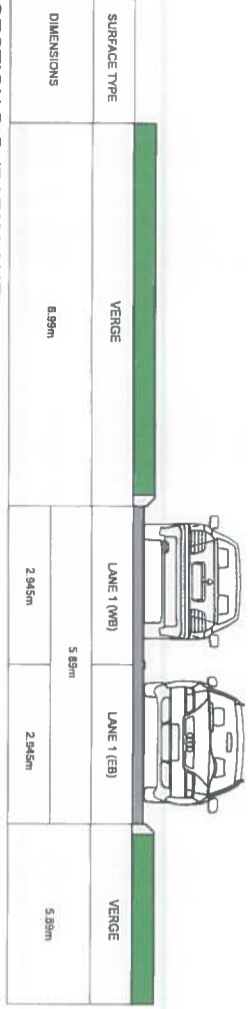
SECTION A-A (A452 KENILWORTH ROAD)



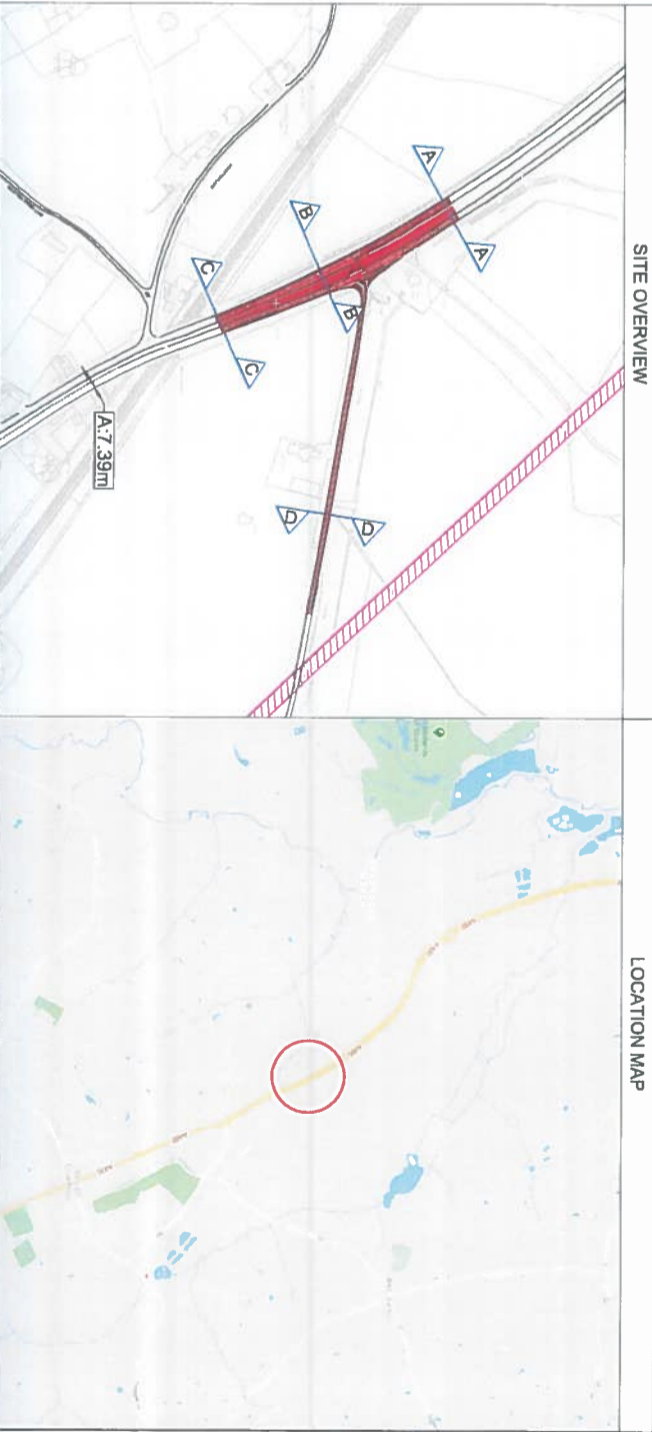
SECTION B-B (A452 KENILWORTH ROAD)



SECTION C-C (A452 KENILWORTH ROAD)



SECTION D-D (PARK LANE)



SITE OVERVIEW

LOCATION MAP

Item	Specification	Notes
1	Temporary Traffic Signage	123mm
2	Temporary Traffic Signage	123mm
3	Temporary Traffic Signage	123mm
4	Temporary Traffic Signage	123mm
5	Temporary Traffic Signage	123mm
6	Temporary Traffic Signage	123mm
7	Temporary Traffic Signage	123mm
8	Temporary Traffic Signage	123mm
9	Temporary Traffic Signage	123mm
10	Temporary Traffic Signage	123mm

Item	Specification	Notes
1	Temporary Traffic Signage	123mm
2	Temporary Traffic Signage	123mm
3	Temporary Traffic Signage	123mm
4	Temporary Traffic Signage	123mm
5	Temporary Traffic Signage	123mm
6	Temporary Traffic Signage	123mm
7	Temporary Traffic Signage	123mm
8	Temporary Traffic Signage	123mm
9	Temporary Traffic Signage	123mm
10	Temporary Traffic Signage	123mm

**Notes:**  
 1. Dimensions shown are from the mid-point of the lane width and have been assumed that lane widths are of equal width.  
 2. Dimensions shown are from the mid-point of the lane width and have been assumed that lane widths are of equal width.  
 3. Dimensions shown are from the mid-point of the lane width and have been assumed that lane widths are of equal width.  
 4. Dimensions shown are from the mid-point of the lane width and have been assumed that lane widths are of equal width.  
 5. Dimensions shown are from the mid-point of the lane width and have been assumed that lane widths are of equal width.  
 6. Dimensions shown are from the mid-point of the lane width and have been assumed that lane widths are of equal width.  
 7. Dimensions shown are from the mid-point of the lane width and have been assumed that lane widths are of equal width.  
 8. Dimensions shown are from the mid-point of the lane width and have been assumed that lane widths are of equal width.  
 9. Dimensions shown are from the mid-point of the lane width and have been assumed that lane widths are of equal width.  
 10. Dimensions shown are from the mid-point of the lane width and have been assumed that lane widths are of equal width.

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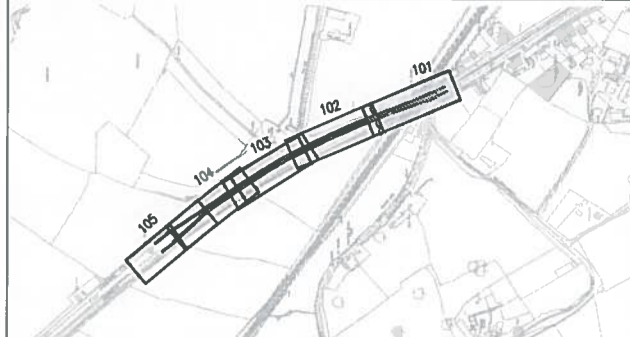
**Project Data:**  
 Traffic Management Works Package 4c  
 Existing Sections A452 Kenilworth Road/Park Lane  
 Bakersmill CV7 7TB  
 Date: 08/02/18  
 Project: A1  
 Client: BH1  
 Drawing Number: 1001  
 Project Number: 1001  
 IFA Section: 1001

This drawing is the property of Traffic Management Works Package 4c and shall remain the property of Traffic Management Works Package 4c. It is not to be used for any other purpose without the written consent of Traffic Management Works Package 4c. The drawing shall be used for the purpose intended and shall not be used for any other purpose without the written consent of Traffic Management Works Package 4c.



GENERAL NOTES

1. DO NOT SCALE OFF DRAWING
2. SETTING OUT TO BE CONFIRMED ON SITE PRIOR TO CONSTRUCTION.
3. HORIZONTAL AND VERTICAL ALIGNMENTS ARE IN ACCORDANCE WITH DMRB TA92 & TD 9/83



Rev	Date	Description	By	Chk	App
00	06/09	INITIAL PRELIMINARY ISSUE	A	GHSC	DC
01	11/09	REVISED ENTRY AND EXIT LENGTHS	A	GHSC	DC
02	07/10	REVISED ENTRY AND EXIT LENGTHS	A	GHSC	DC
03	23/10	LEVELS ADJUSTED AT ENTRY AND EXIT	A	GHSC	DC

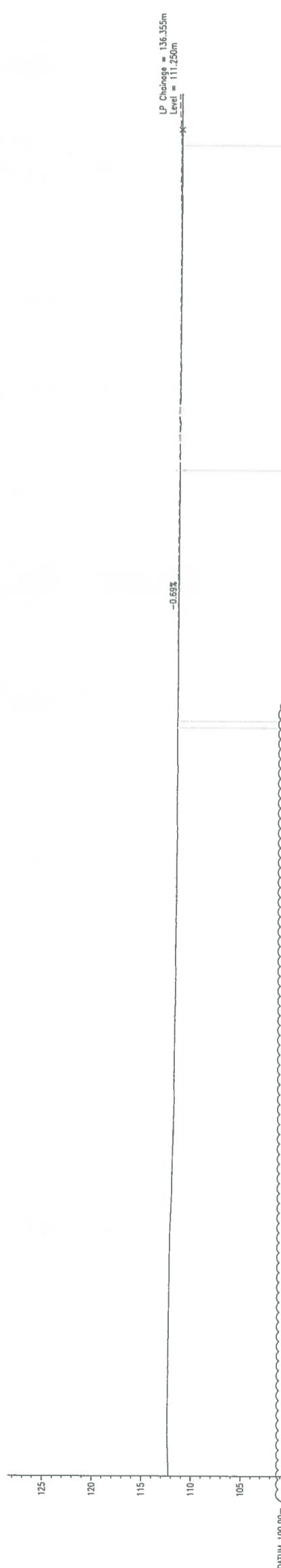
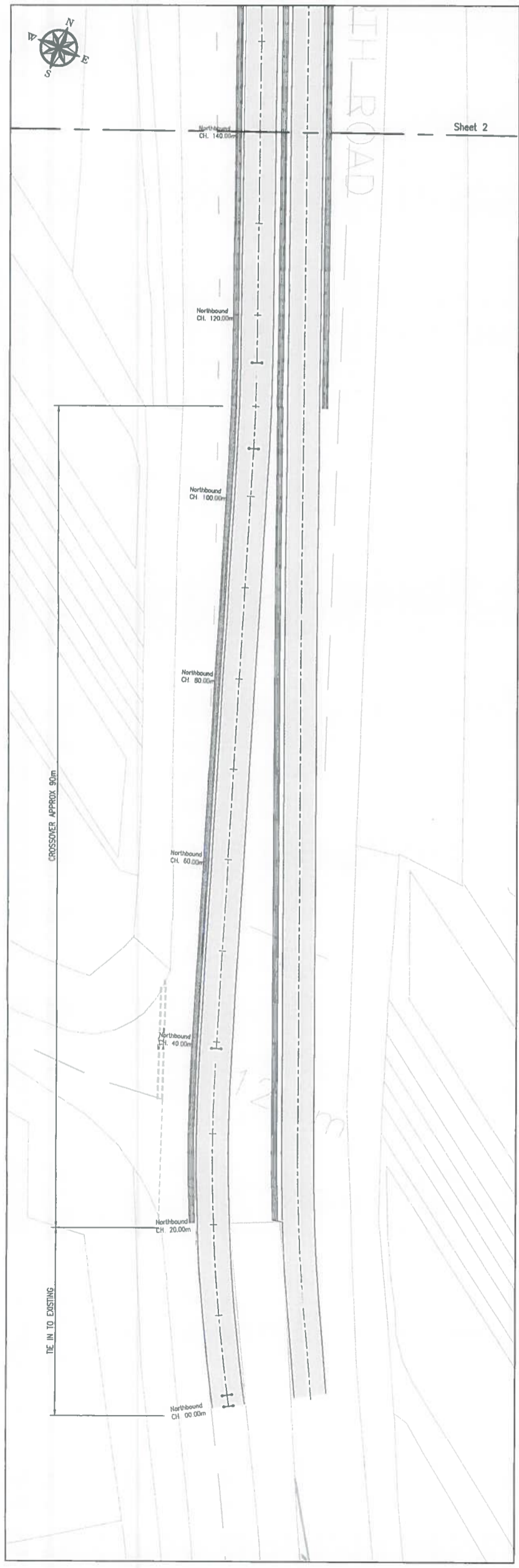
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CUBIT  
MURPHY GROUP

PROJECT  
HS2 CROSSOVER  
TEMPORARY WORKS PACKAGE 4C

DRAWING TITLE  
KENILWORTH ROAD CROSSOVER  
NORTHBOUND ALIGNMENT & LONG SECTION  
SHEET 1 OF 5

STATUS	
PRELIMINARY	
Date: 02/09/2019	Scale: 1:250
Project No: N1072.1	Draw No: N1072.1.101
Rev: 03	



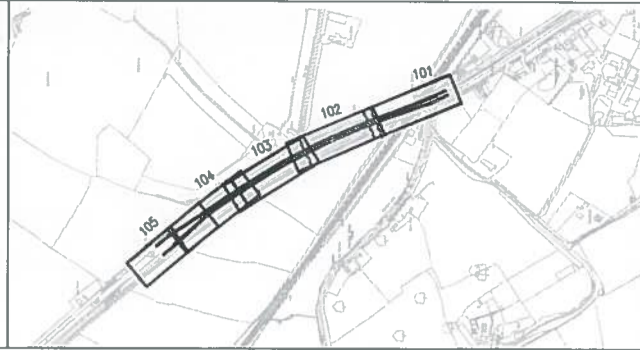
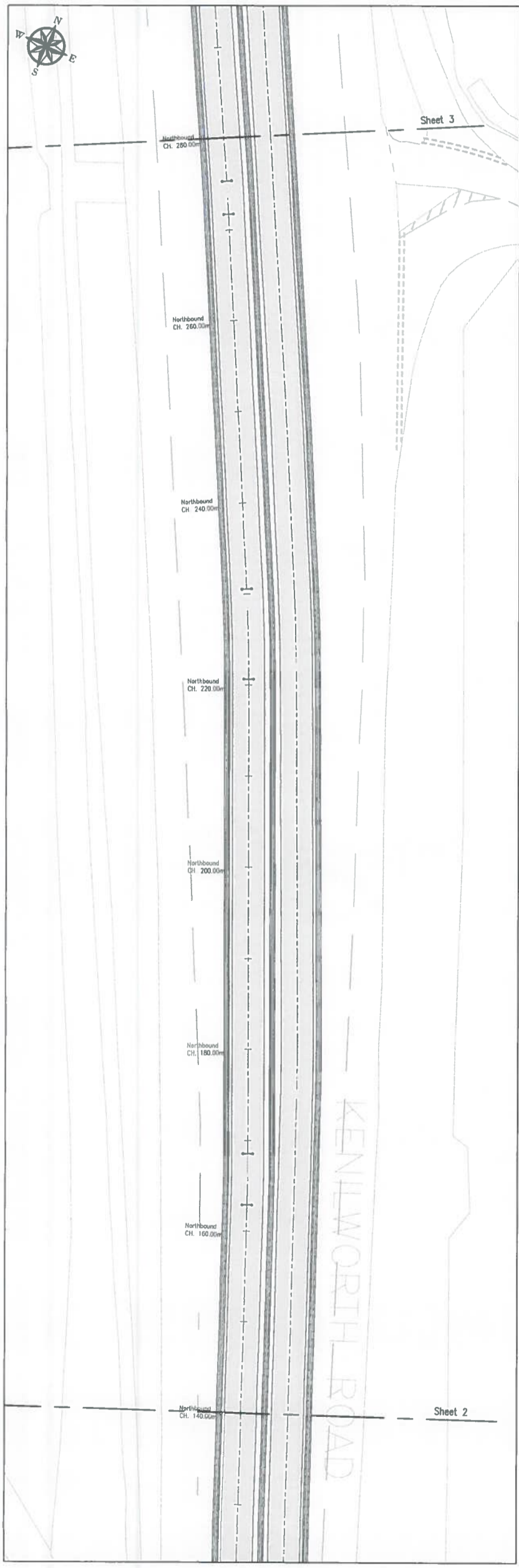
CHAINAGE	EXISTING LEVEL (m)	PROPOSED LEVEL (m)	LEVEL DIFFERENCE (m)	HORIZONTAL ALIGNMENT	VERTICAL ALIGNMENT
00.000	112.242	112.339	0.000	L = 28m	
10.000	112.339	112.339	0.000	R: 200.000m L: 38.073m	
20.000	112.227	112.227	0.000		
30.000	112.015	112.015	0.000		
40.000	111.829	111.829	0.000		
50.000	111.693	111.693	0.000		
60.000	111.634	111.634	0.000		
70.000	111.583	111.583	0.000	L = 66.022m	
80.000	111.520	111.520	-0.013		
90.000	111.500	111.451	0.049	C = -0.690% L = 25.362m	
100.000	111.457	111.382	0.075		
110.000	111.404	111.320	0.084	R: 200.000m L: 94.35m	
120.000	111.341	111.277	0.064		R = 5000.000m K = 50.000 L = 65.744m
130.000	111.365	111.254	0.111		L = 48.160m
140.000	111.466	111.254	0.214		

NORTHBOUND - LONGSECTION (8)  
SCALE: H 1:250, V 1:250.



A1

- GENERAL NOTES
1. DO NOT SCALE OFF DRAWING
  2. SETTINGS OUT TO BE CONFIRMED ON SITE PRIOR TO CONSTRUCTION.
  3. HORIZONTAL AND VERTICAL ALIGNMENTS ARE IN ACCORDANCE WITH DMRB TA92 & TD 9/83



Rev	Date	Description	By	Chk	App
02	07.10	REVISED ENTRY AND EXIT LENGTHS	A.	DAKC	DC
01	11.09	REVISED ENTRY AND EXIT LENGTHS	A.	DAKC	DC
00	06.09	INITIAL PRELIMINARY ISSUE	A.	DAKC	DC

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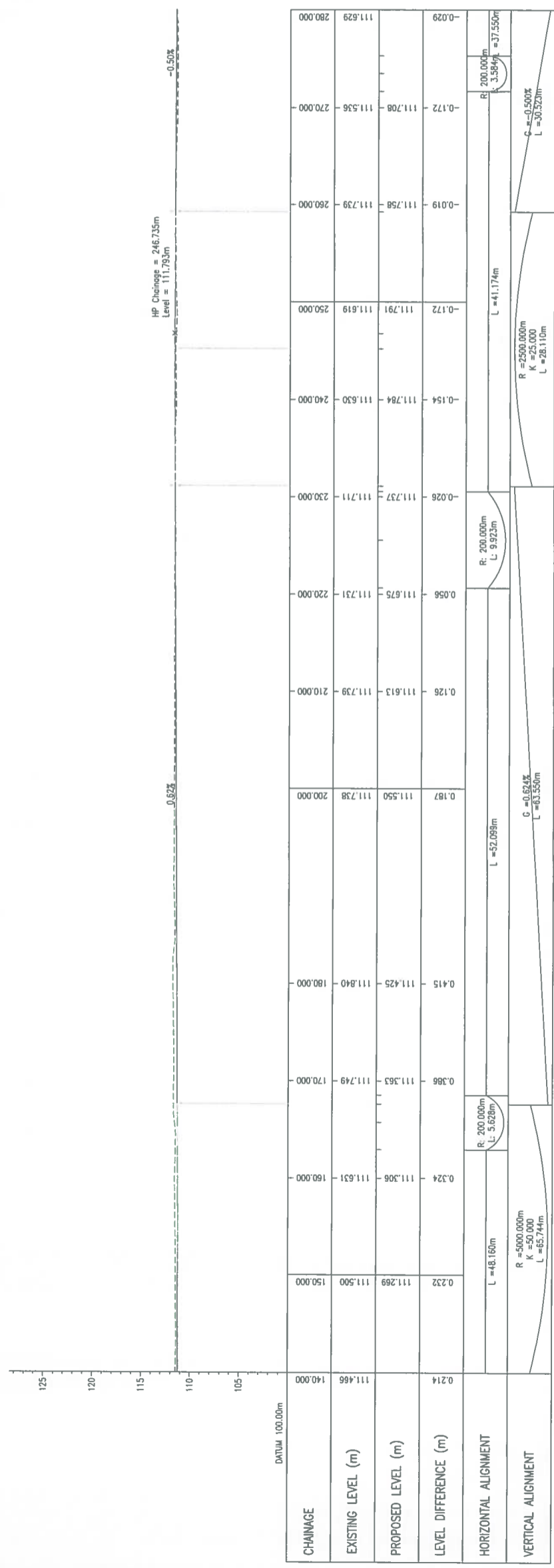
IRELAND UK UNITED ARAB EMIRATES BAHRAIN  
CLIENT  
MURPHY GROUP

PROJECT  
HS2 CROSSOVER  
TEMPORARY WORKS PACKAGE 4C

DRAWING TITLE  
KENILWORTH ROAD CROSSOVER  
NORTHBOUND ALIGNMENT & LONG SECTION  
SHEET 2 OF 5

STATUS  
PRELIMINARY

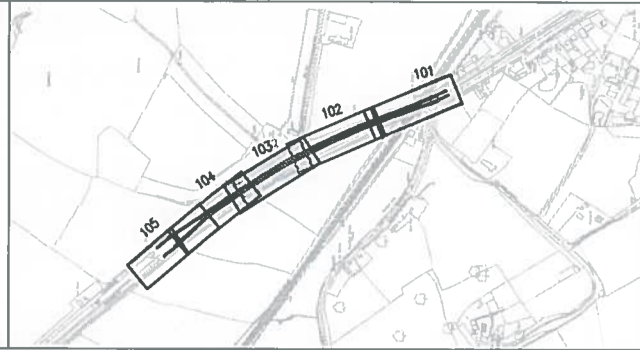
Date: 02.09.2018	Scale: 1:250	Drawn: A.	Chk: DAKC	App: DC
Project No: N1072.1	Dwg No: N1072.1.102	Rev: 02		



NORTHBOUND - LONGSECTION (S)  
SCALE: H 1:250, V 1:250.



- GENERAL NOTES
- DO NOT SCALE OFF DRAWING
  - SETTING OUT TO BE CONFIRMED ON SITE PRIOR TO CONSTRUCTION.
  - HORIZONTAL AND VERTICAL ALIGNMENTS ARE IN ACCORDANCE WITH DMRB TAG2 & TD 9/83



02	07.10	REVISED ENTRY AND EXIT LENGTHS	A.	DMC	DC
01	11.09	REVISED ENTRY AND EXIT LENGTHS	A.	DMC	DC
00	08.09	INITIAL PRELIMINARY ISSUE	A.	DMC	DC
Rev	Date	Description	By	Chk	App

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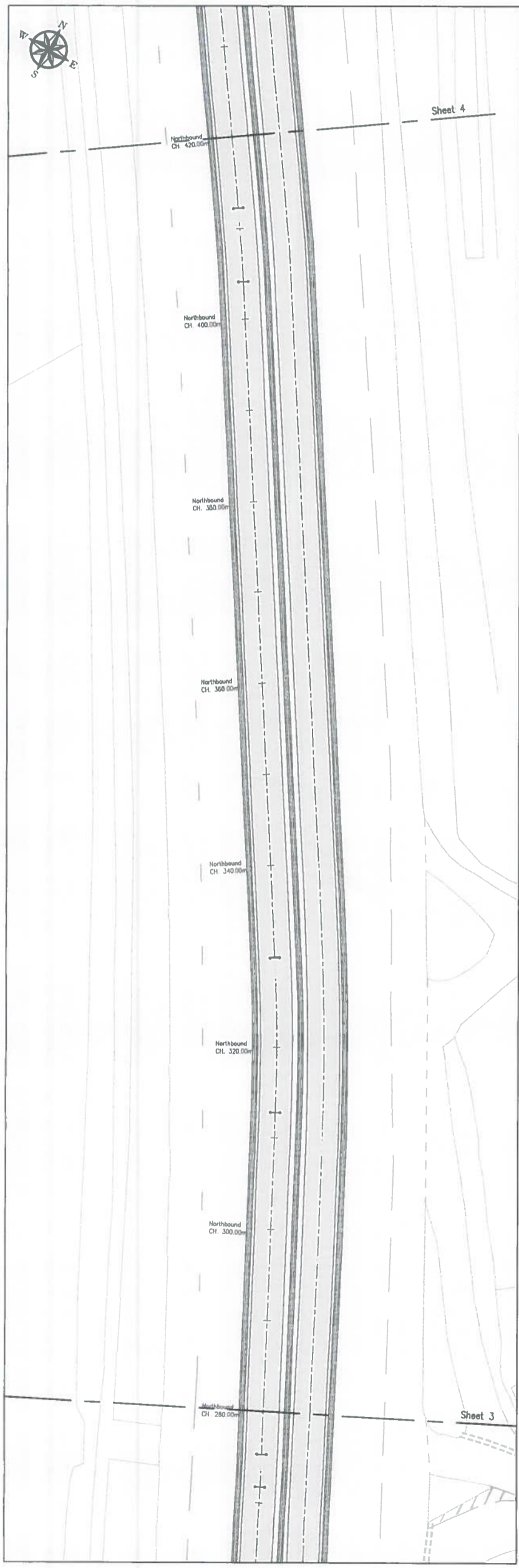
CLIENT  
**MURPHY GROUP**

PROJECT  
**HS2 CROSSOVER  
TEMPORARY WORKS PACKAGE 4C**

DRAWING TITLE  
**KENILWORTH ROAD CROSSOVER  
NORTHBOUND ALIGNMENT & LONG SECTION  
SHEET 3 OF 5**

STATUS  
**PRELIMINARY**

Date: 02.09.2018 Scale: 1:250 Drawn: J. Chk: DMC App: DG  
Project No: N1072.1 Dwg. No: N1072.1.103 Rev: 02

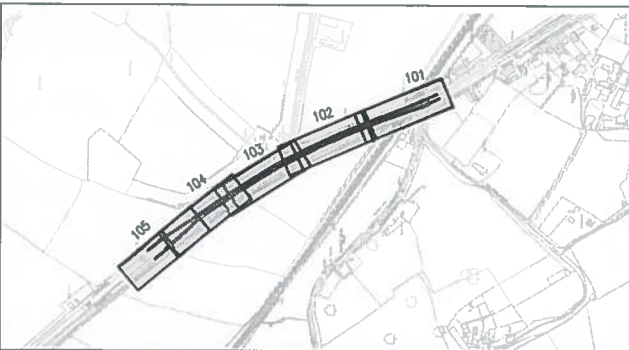


CHAINAGE	EXISTING LEVEL (m)	PROPOSED LEVEL (m)	LEVEL DIFFERENCE (m)	HORIZONTAL ALIGNMENT	VERTICAL ALIGNMENT
111.829	111.829	111.829	-0.029		
280.000	111.829	111.829	-0.029		
290.000	111.496	111.808	-0.112		$G = -0.500\%$ $L = 30.525m$
300.000	111.254	111.529	-0.275	$L = 37.550m$	$R = 1800.000m$ $K = 18.000$ $L = 16.938m$
310.000	111.072	111.397	-0.325		
320.000	111.026	111.253	-0.227	$R = 200.000m$ $L = 17.010m$	$G = -1.441\%$ $L = 33.231m$
340.000	110.784	110.965	-0.181		
350.000	110.629	110.831	-0.202		$R = 5000.000m$ $K = 50.000$ $L = 24.873m$
360.000	110.522	110.717	-0.195	$L = 74.221m$	
370.000	110.504	110.621	-0.116		
380.000	110.278	110.526	-0.248		
390.000	110.205	110.432	-0.227		$G = -0.944\%$ $L = 124.542m$
400.000	110.103	110.337	-0.235		
410.000	110.001	110.243	-0.242	$R = 200.000m$ $L = 8.164m$	$L = 55.864m$
420.000	109.891	110.001	-0.258		

NORTHBOUND - LONGSECTION (10)  
SCALE: H 1:250, V 1:250.



- GENERAL NOTES
1. DO NOT SCALE OFF DRAWING
  2. SETTING OUT TO BE CONFIRMED ON SITE PRIOR TO CONSTRUCTION.
  3. HORIZONTAL AND VERTICAL ALIGNMENTS ARE IN ACCORDANCE WITH DMRB TA02 & TD 9/93



Rev	Date	Description	By	Chk	App
03	12.10	LEVELS ADJUSTED AT ENTRY AND EXIT	J. CHAC	DC	
02	07.10	REVISED ENTRY AND EXIT LENGTHS	J. CHAC	DC	
01	11.09	REVISED ENTRY AND EXIT LENGTHS	J. CHAC	DC	
00	08.09	INITIAL PRELIMINARY ISSUE	J. CHAC	DC	

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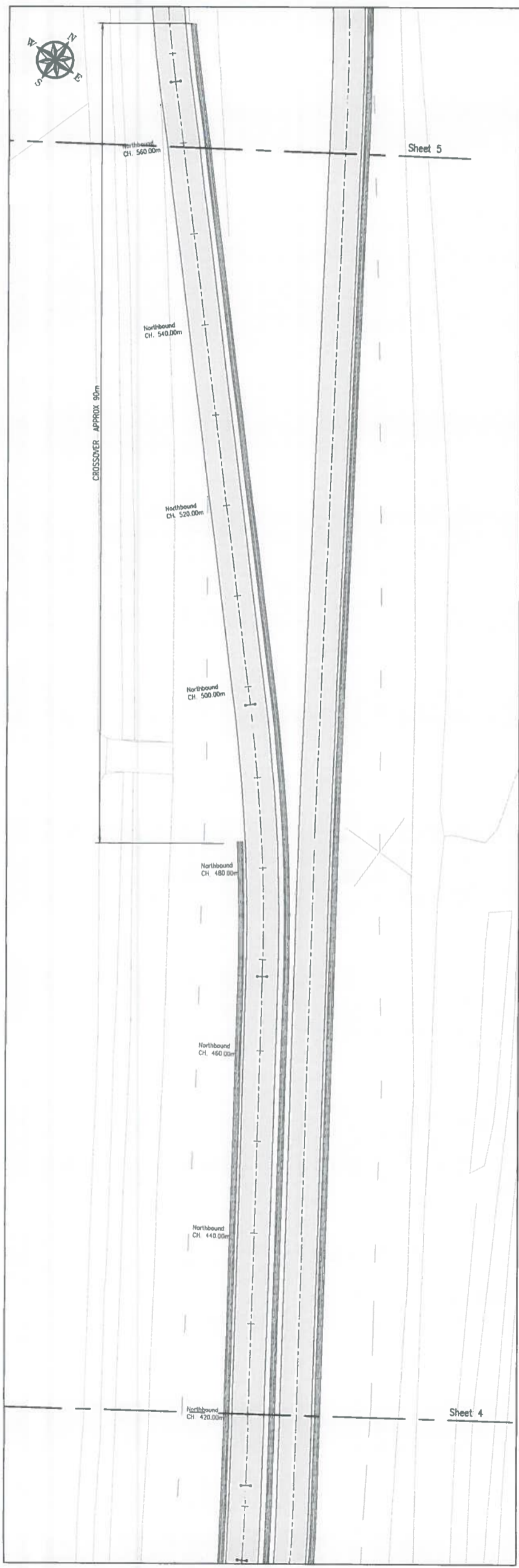
CLIENT  
**MURPHY GROUP**

PROJECT  
**HS2 CROSSOVER  
TEMPORARY WORKS PACKAGE 4C**

DRAWING TITLE  
**KENILWORTH ROAD CROSSOVER  
NORTHBOUND ALIGNMENT & LONG SECTION  
SHEET 4 OF 5**

STATUS  
**PRELIMINARY**

Date: 02.09.2018 Scale: 1:250  
Project No: N1072.1  
Drawing No: N1072.1:104  
Rev: 03

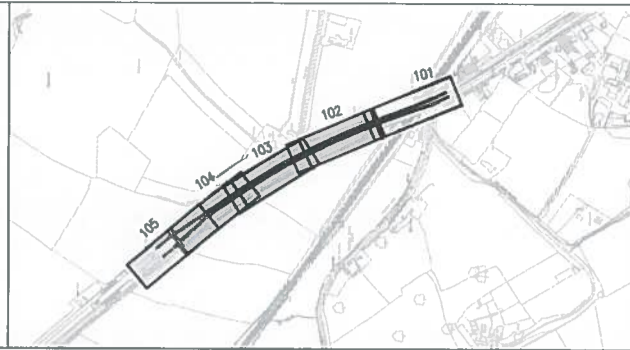


CHAINAGE	EXISTING LEVEL (m)	PROPOSED LEVEL (m)	LEVEL DIFFERENCE (m)	HORIZONTAL ALIGNMENT	VERTICAL ALIGNMENT
420.000	109.891	-0.258	-0.258		
430.000	109.799	-0.255	-0.255		
440.000	109.729	-0.231	-0.231		
450.000	109.866	-0.268	-0.268		
460.000	109.516	-0.256	-0.256		
470.000	109.500	-0.177	-0.177		
480.000	109.405	-0.177	-0.177	R: 200.000m L: 29.873m	
490.000	109.354	-0.134	-0.134		
500.000	109.405	-0.171	-0.171		R: 500.000m K: 200 L: 21.253m
510.000	109.342	-0.171	-0.171		
520.000	109.119	-0.171	-0.171		
530.000	109.045	-0.194	-0.194		
540.000	109.187	-0.171	-0.171		
550.000	109.135	-0.171	-0.171		
560.000					

NORTHBOUND - LONGSECTION (11)  
SCALE: H 1:250, V 1:250.



- GENERAL NOTES
- DO NOT SCALE OFF DRAWING
  - SETTING OUT TO BE CONFIRMED ON SITE PRIOR TO CONSTRUCTION.
  - HORIZONTAL AND VERTICAL ALIGNMENTS ARE IN ACCORDANCE WITH DMRB TAG2 & TD 9/93



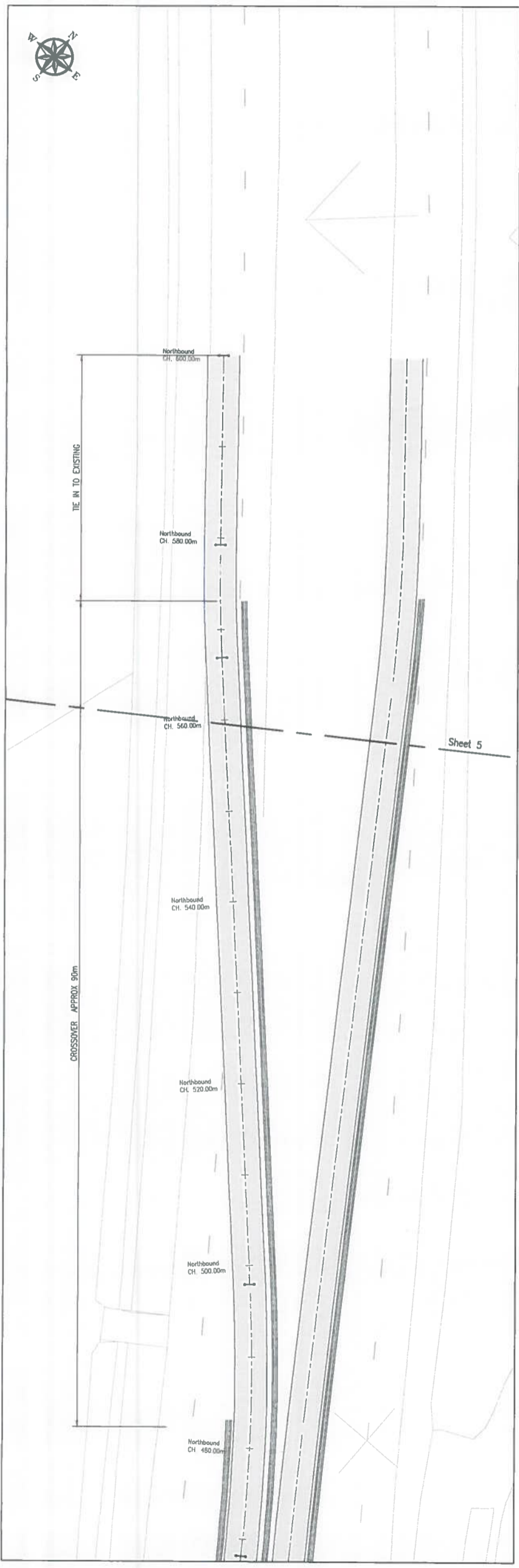
Rev	Date	Description	By	Chk	App
03	23.10	LEVELS ADJUSTED AT ENTRY AND EXIT	A.	DMAC	DC
02	07.10	REVISED ENTRY AND EXIT LENGTHS	A.	DMAC	DC
01	11.09	REVISED ENTRY AND EXIT LENGTHS	A.	DMAC	DC
00	08.19	INITIAL PRELIMINARY ISSUE	A.	DMAC	DC

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MURPHY GROUP

PROJECT  
HS2 CROSSOVER  
TEMPORARY WORKS PACKAGE 4C  
DRAWING TITLE  
KENILWORTH ROAD CROSSOVER  
NORTHBOUND ALIGNMENT & LONG SECTION  
SHEET 5 OF 5

STATUS  
PRELIMINARY  
Date: 02.09.2019 Scale: 1:250 Form: A Chk: DMAC App: DC  
Project No: N1072.1  
Rev: 03

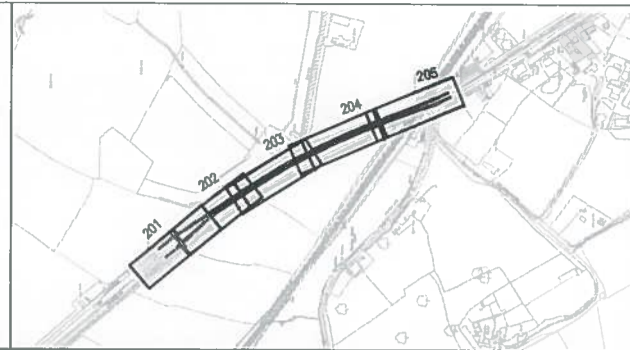


CHAINAGE	EXISTING LEVEL (m)	PROPOSED LEVEL (m)	LEVEL DIFFERENCE (m)	HORIZONTAL ALIGNMENT	VERTICAL ALIGNMENT
600.000	108.927	108.979	0.001	R: 200.000m L: 72.570m	THE EXISTING LEVELS
590.000	108.979	108.979	0.000		
580.000	108.979	108.979	0.000	R: 200.000m L: 72.570m	THE EXISTING LEVELS
570.000	108.904	108.931	0.001		
560.000	108.904	108.931	0.001	R: 200.000m L: 72.570m	THE EXISTING LEVELS
550.000	108.927	108.927	0.000		
540.000	108.927	108.927	0.000	R: 200.000m L: 72.570m	THE EXISTING LEVELS
530.000	108.927	108.927	0.000		
520.000	108.927	108.927	0.000	R: 200.000m L: 72.570m	THE EXISTING LEVELS
510.000	108.927	108.927	0.000		
500.000	108.927	108.927	0.000	R: 200.000m L: 72.570m	THE EXISTING LEVELS
490.000	108.927	108.927	0.000		
480.000	108.927	108.927	0.000	R: 200.000m L: 72.570m	THE EXISTING LEVELS
470.000	108.927	108.927	0.000		
460.000	108.927	108.927	0.000	R: 200.000m L: 72.570m	THE EXISTING LEVELS
450.000	108.927	108.927	0.000		

DATUM: 100.000m  
NORTHBOUND - LONGSECTION (12)  
SCALE: H 1:250, V 1:250.



- GENERAL NOTES
- DO NOT SCALE OFF DRAWING
  - SETTING OUT TO BE CONFIRMED ON SITE PRIOR TO CONSTRUCTION.
  - HORIZONTAL AND VERTICAL ALIGNMENTS ARE IN ACCORDANCE WITH DMRB TAG2 & TD 9/93



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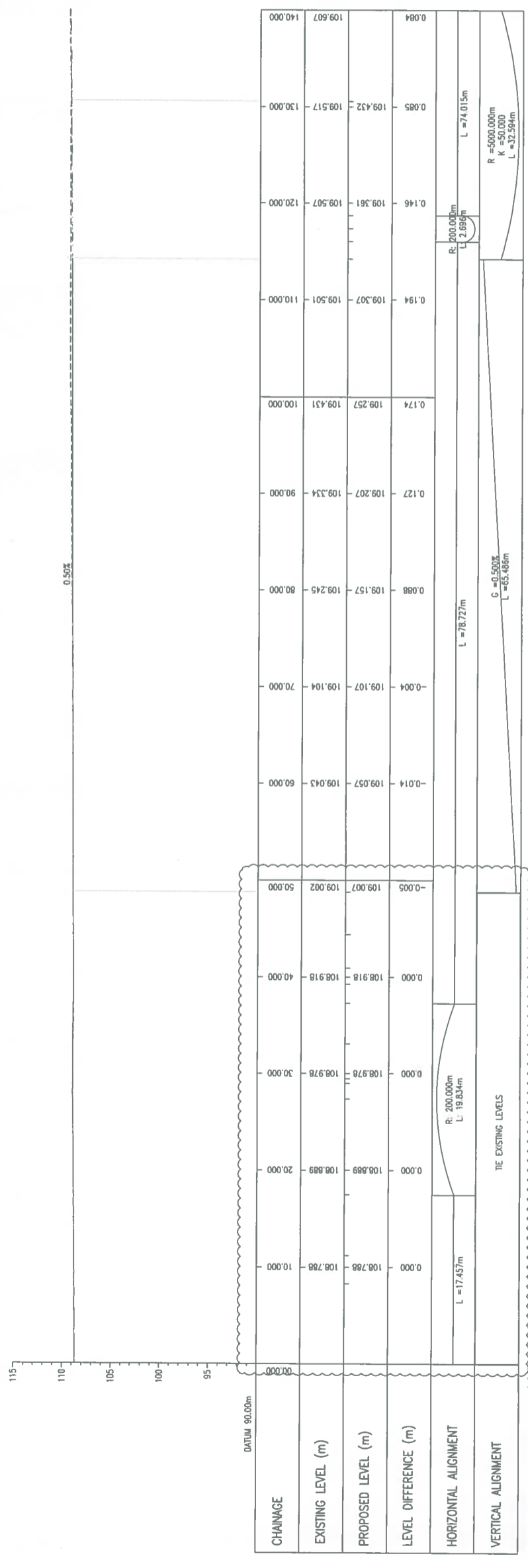
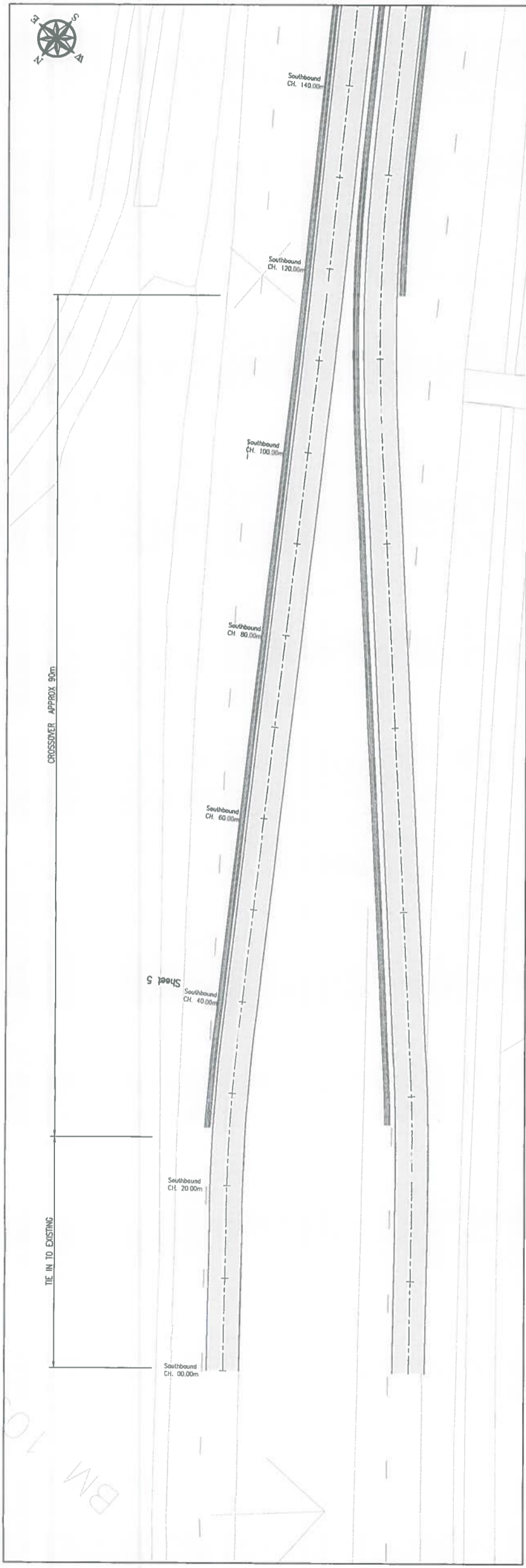
CLIENT  
MURPHY GROUP

PROJECT  
HS2 CROSSOVER  
TEMPORARY WORKS PACKAGE 4C

DRAWING TITLE  
KENILWORTH ROAD CROSSOVER  
SOUTHBOUND ALIGNMENT & LONG SECTION  
SHEET 1 OF 5

STATUS  
PRELIMINARY

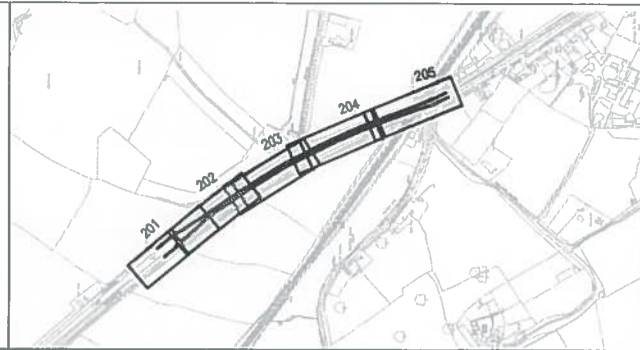
Date	02.09.2014	Scale	1:250	Drawn	J.	Chk	DMC	App	DB
Project No	N1072.1	Dwg No		Rev					
									03



SOUTHBOUND - LONGSECTION (1)  
SCALE: H 1:250, V 1:250.



- GENERAL NOTES
- DO NOT SCALE OFF DRAWING
  - SETTING OUT TO BE CONFIRMED ON SITE PRIOR TO CONSTRUCTION.
  - HORIZONTAL AND VERTICAL ALIGNMENTS ARE IN ACCORDANCE WITH DMRB TAG2 & TD 9/93



02	07.10	REVISED ENTRY AND EXIT LENGTHS	A.	DMAC	DC
01	11.09	REVISED ENTRY AND EXIT LENGTHS	A.	DMAC	DC
00	06.09	INITIAL PRELIMINARY ISSUE	A.	DMAC	DC

By: [ ]  
 Description: [ ]  
 Date: [ ]

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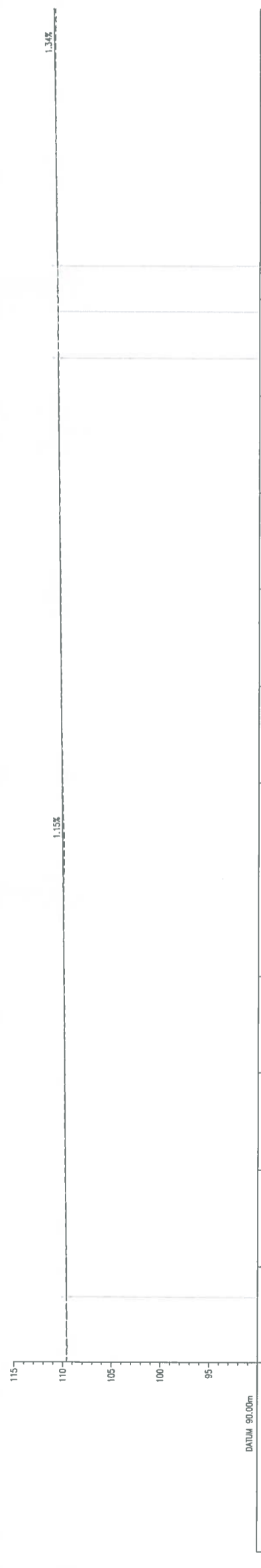
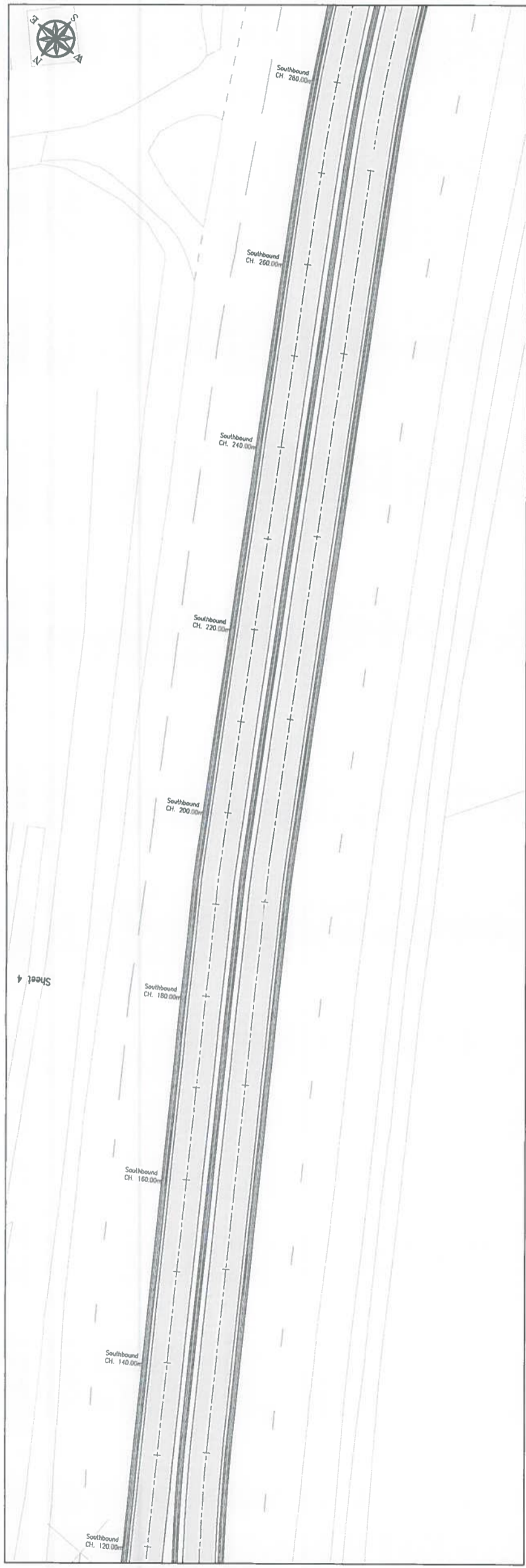
CLIENT  
**MURPHY GROUP**

PROJECT  
**HS2 CROSSOVER  
 TEMPORARY WORKS PACKAGE 4C**

DRAWING TITLE  
**KENILWORTH ROAD CROSSOVER  
 SOUTHBOUND ALIGNMENT & LONG SECTION  
 SHEET 2 OF 5**

STATUS  
**PRELIMINARY**

Date: 02.09.2018 Scale: 1:250 Drawn: A. [ ] Checked: DMAC App: DC  
 Project No: N1072.1  
 Drawing No: N1072.1.202  
 Rev: 02

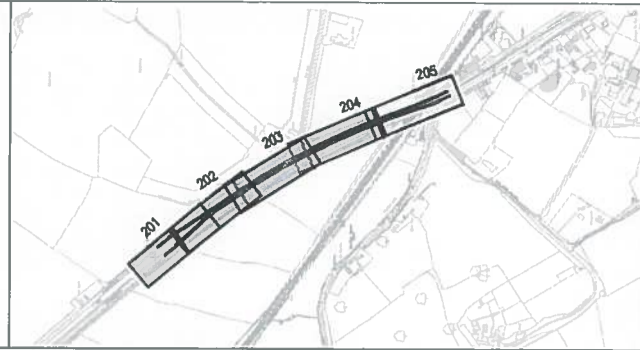


CHAINAGE	EXISTING LEVEL (m)	PROPOSED LEVEL (m)	LEVEL DIFFERENCE (m)	HORIZONTAL ALIGNMENT	VERTICAL ALIGNMENT
140.000	109.507	109.534	0.043		R = 5000.000m K = 50.000 L = 32.556m
150.000	109.677	109.677	0.000		
160.000	109.807	109.749	0.058		
170.000	109.849	109.864	-0.015	L = 74.015m	
180.000	109.940	109.980	-0.040		
200.000	110.139	110.210	-0.071		G = 1.152% L = 97.039m
210.000	110.295	110.325	-0.030		
220.000	110.381	110.440	-0.059	L = 57.152m	
240.000	110.614	110.671	-0.056		
250.000	110.747	110.790	-0.043		R = 5000.000m K = 50.000 L = 32.556m
260.000	110.866	110.923	-0.056	L = 16.578m	
270.000	111.018	111.057	-0.039		R = 316.416m L = 26.844m
280.000	111.039	111.039	0.000		G = 1.342% L = 46.256m

SOUTHBOUND - LONGSECTION (2)  
 SCALE: H 1:250, V 1:250.



- GENERAL NOTES
- DO NOT SCALE OFF DRAWING
  - SETTING OUT TO BE CONFIRMED ON SITE PRIOR TO CONSTRUCTION.
  - HORIZONTAL AND VERTICAL ALIGNMENTS ARE IN ACCORDANCE WITH DMRB TAG 2 & TD 9/83



02	07.10	REVISED ENTRY AND EXIT LENGTHS	A.	DMAC	DC
01	11.09	REVISED ENTRY AND EXIT LENGTHS	A.	DMAC	DC
00	08.08	INITIAL PRELIMINARY ISSUE	A.	DMAC	DC
Rev	Date	Description	By	Chk	App

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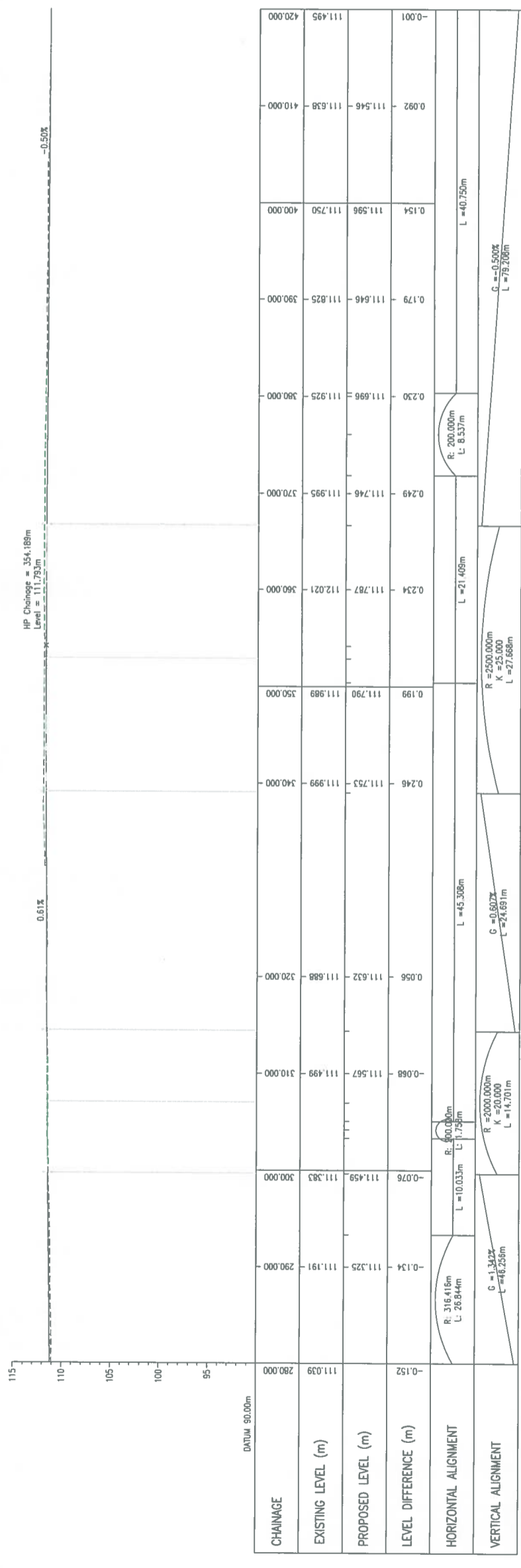
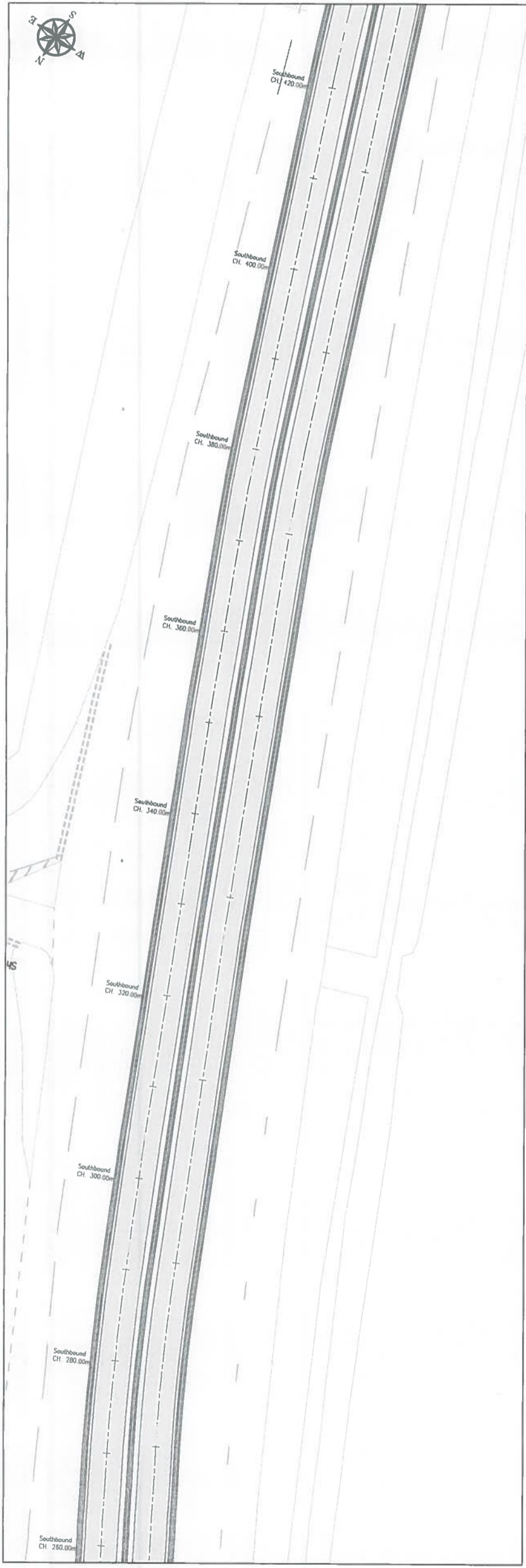
CLIENT  
MURPHY GROUP

PROJECT  
HS2 CROSSOVER  
TEMPORARY WORKS PACKAGE 4C

DRAWING TITLE  
KENILWORTH ROAD CROSSOVER  
SOUTHBOUND ALIGNMENT & LONG SECTION  
SHEET 3 OF 5

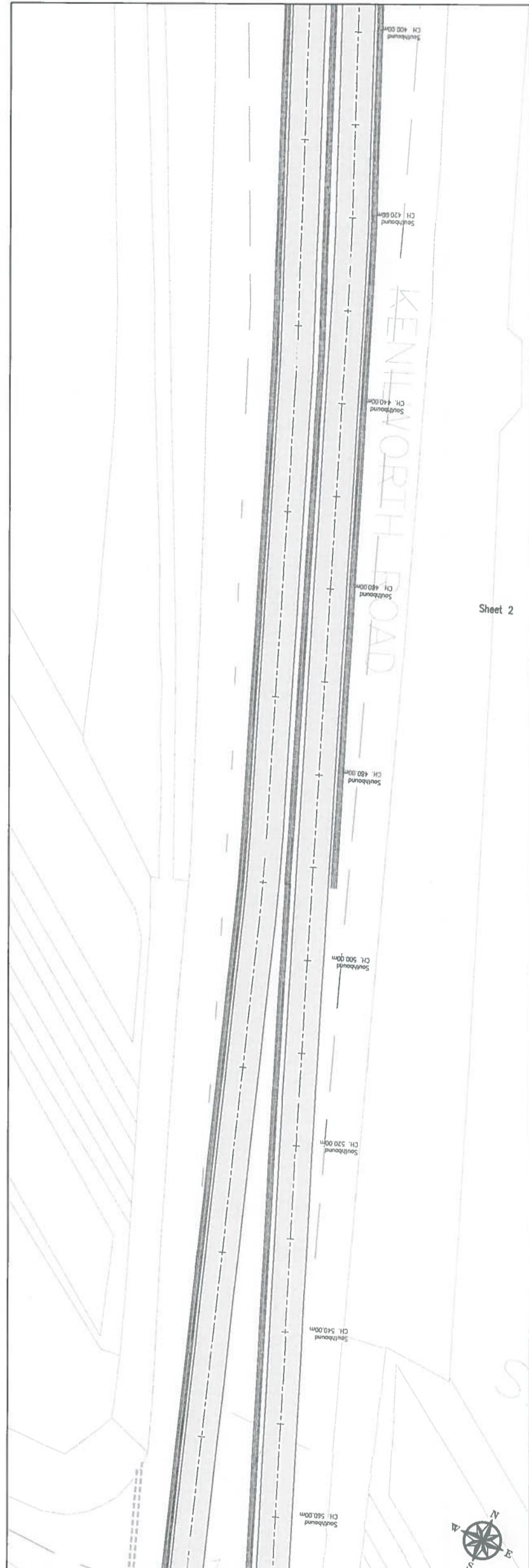
STATUS  
PRELIMINARY

Date: 02.08.2018 Scale: 1:250 Form: A Chk: DMAC App: DC  
Project No: N1072.1 Dwg. No: N1072.1.203 Rev: 02



SOUTHBOUND - LONGSECTION (3)  
SCALE: H 1:250, V 1:250.



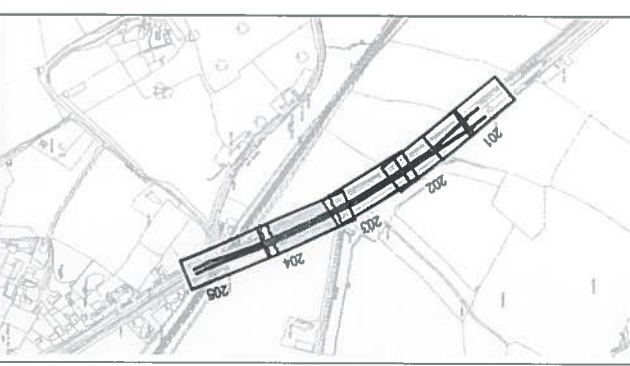


CHANGE	EXISTING LEVEL (m)	PROPOSED LEVEL (m)	LEVEL DIFFERENCE (m)	HORIZONTAL ALIGNMENT	VERTICAL ALIGNMENT
420.000	111.495	111.302	-0.193	L = 0.754m R = 200.000m L = 6.111m	C = -0.500% L = 79.208m
430.000	111.302	111.446	-0.143		
440.000	111.217	111.396	-0.178	L = 86.877m	R = 8000.000m K = 80.000 L = 103.853m
450.000	111.172	111.347	-0.175		
460.000	111.157	111.308	-0.151		
480.000	111.178	111.268	-0.090	L = 33.0m	R = 210.00m
490.000	111.218	111.267	-0.049		
500.000	111.355	111.279	0.077	L = 58.409m	C
510.000	111.406	111.303	0.104		
520.000	111.497	111.339	0.158	L = 58.409m	C
530.000	111.345	111.388	-0.043		
540.000	111.396	111.449	-0.053	L = 58.409m	C
550.000	111.517	111.523	-0.006		
560.000	111.645	111.645	0.000	THE EXISTING LEVELS	

LP Chonges = 485.897m  
Level = 111.256m



- GENERAL NOTES
- DO NOT SCALE OFF DRAWING
  - SETTING OUT TO BE COMPLETED ON SITE PRIOR TO CONSTRUCTION.
  - HORIZONTAL AND VERTICAL ALIGNMENTS ARE IN ACCORDANCE WITH DMBG 7492 & TD 9/93



Rev	Date	Description	By	Chk	App
01	23.10	LEVELS ADJUSTED AT ENTRY AND EXIT	A	PLAC	DD
02	02.10	REVISED ENTRY AND EXIT LENGTHS	A	PLAC	DD
01	11.09	REVISED ENTRY AND EXIT LENGTHS	A	PLAC	DD
00	06.08	INITIAL PRELIMINARY ISSUE	A	PLAC	DD

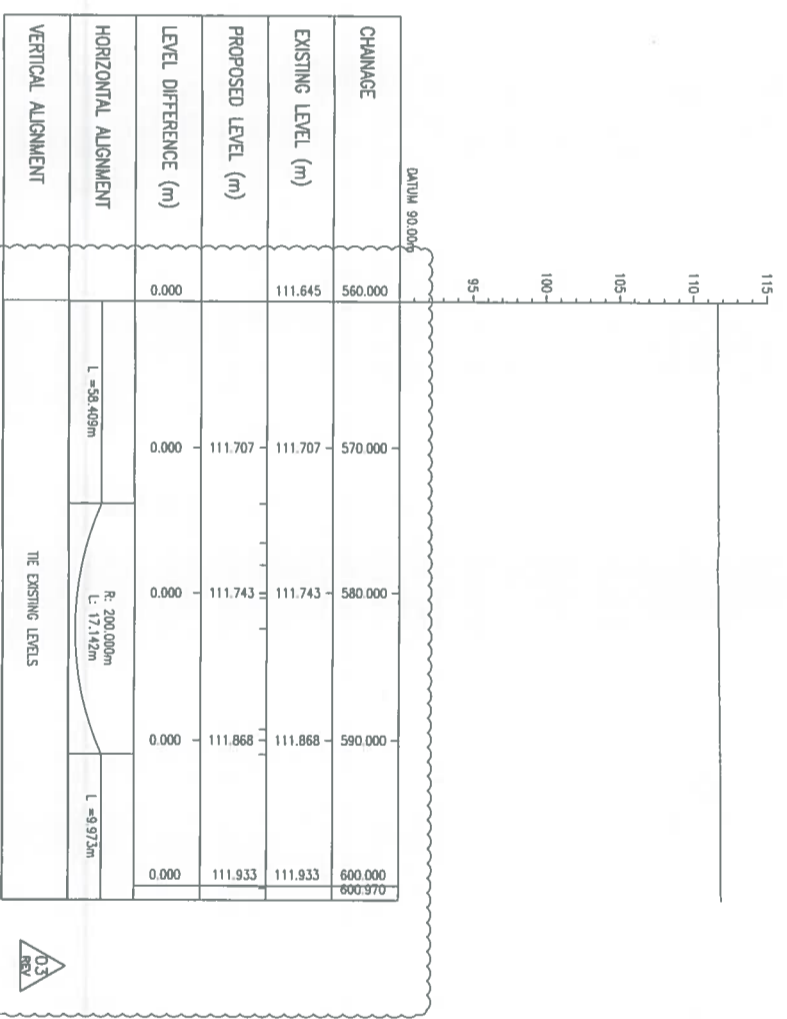
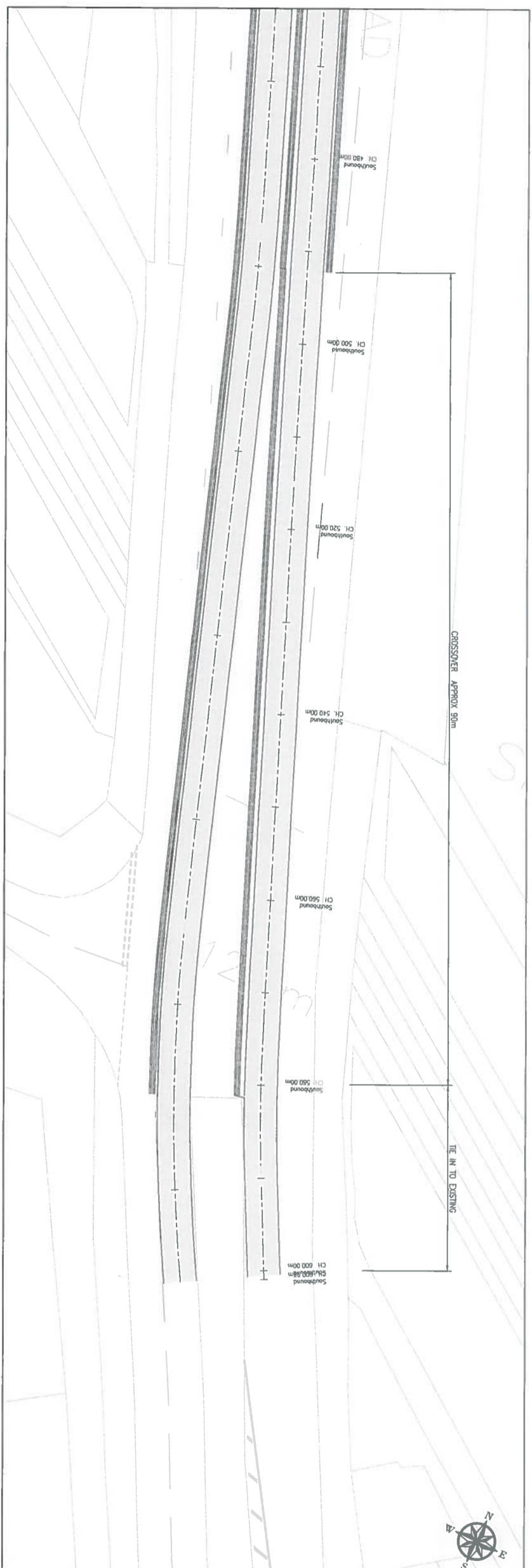
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MURPHY GROUP

PROJECT  
HS2 CROSSOVER  
TEMPORARY WORKS PACKAGE 4C  
DRAWING TITLE  
KENILWORTH ROAD CROSSOVER  
SOUTHBOUND ALIGNMENT & LONG SECTION  
SHEET 4 OF 5

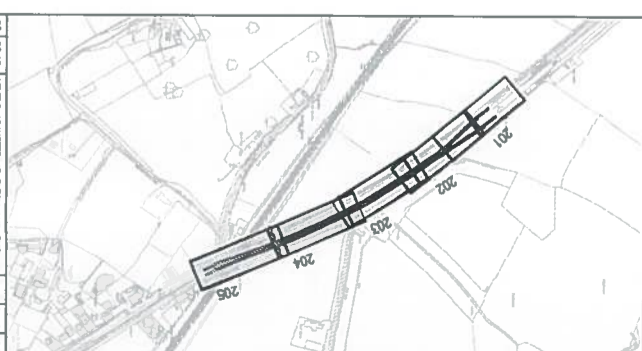
Project No	Dwg No	Drawn	Chk	Date	App	Rev
N1072.1						03





SOUTHBOUND - LONGSECTION (5)  
SCALE: H 1:250, V 1:250.

- GENERAL NOTES
- DO NOT SCALE OFF DRAWING
  - SETTINGS OUT TO BE CONFIRMED ON SITE PRIOR TO CONSTRUCTION.
  - HORIZONTAL AND VERTICAL ALIGNMENTS ARE IN ACCORDANCE WITH DWG8 1492 & TD 9/93



Rev	Date	Description	By	Chk	App
03	23.10	LENGTHS ADJUSTED AT ENTRY AND EXIT	A.	DMAC	DC
02	07.10	REVISED ENTRY AND EXIT LENGTHS	A.	DMAC	DC
01	11.09	REVISED ENTRY AND EXIT LENGTHS	A.	DMAC	DC
00	08.08	INITIAL PRELIMINARY ISSUE	A.	DMAC	DC

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**MURPHY GROUP**

PROJECT  
**HS2 CROSSOVER  
TEMPORARY WORKS PACKAGE 4C**

DRAWING TITLE  
**KENILWORTH ROAD CROSSOVER  
SOUTHBOUND ALIGNMENT & LONG SECTION  
SHEET 5 OF 5**

STATUS  
**PRELIMINARY**

Date	Scale	Drawn	Chk	Disc	App	Rev
02.09.2018	1:250	A.	A.	DMAC	DC	03

Project No: **N1072.1**      Dwg. No: **N1072.1.205**