

A19 Downhill Lane Junction Improvement

Scheme Number: TR010024

7.5 Revised plans, drawings and sections for the A19/A184 Testo's Junction Alteration Scheme

APFP Regulation 5(2)(q)
Planning Act 2008
Infrastructure Planning (Applications: Prescribed Forms and Procedure)
Regulations 2009

Infrastructure Planning

Planning Act 2008

The Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009

A19 DOWNHILL LANE JUNCTION IMPROVEMENT

The A19 (Downhill Lane Junction Improvement) Development Consent Order 201[]

REVISED PLANS, DRAWINGS AND SECTIONS FOR THE A19/A184 TESTO'S JUNCTION ALTERATION SCHEME

Regulation Number:	Regulation 5(2)(g)
Planning Inspectorate Scheme Reference	TR010024
Application Document Reference	TR010024/APP/7.5
Author:	Bircham Dyson Bell Pitmans, A19 Project Team & Highways England.

Version	Date	Status of Version
Rev 0	January 2019	Application Issue

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2	SCHEDULE OF PLANS INCLUDED IN THIS APPLICATION DOCUMENT	3

1 INTRODUCTION

- 1.1 The draft Scheme DCO at article 36(1) and Schedule 9 (**Application Document Reference: TR010024/APP/3.1**) proposes to make changes to the A19/A184 Testo's Junction Alteration Development Consent Order 2018 (the **Testo's Order**). In particular, the Scheme is proposing to maintain an existing non-motorised user route north-east of Downhill Lane junction which would otherwise be replaced by a non-motorised user route that has been consented in the Testo's Order, but that is not yet existent. Highways England has provided these revised plans, drawings and sections for the A19/A184 Testo's Junction Alteration Scheme (document reference: TR010020/APP/7.5) to show:
- the removal of the proposed non-motorised user route consented in the Testo's Order; and
 - the establishment of the non-motorised user route proposed under this Scheme that would be improved by maintaining part of the B46 which is proposed to be stopped up under the Testo's Order.
- 1.2 The non-motorised user route proposed in the Testo's scheme does not complement the segregated non-motorised user facilities proposed under the Scheme; whereas the existing B46 bridleway would form part of a more desirable route. The non-motorised user provision, proposed under this Scheme, provides a safer segregated route for all users. The route consented in the Testo's Order has been assessed to encourage users to cross the A19 via the improved Downhill Lane junction. This would potentially put users at greater risk due to the new junction arrangement and forecast increase in traffic flows around the junction.
- 1.3 By way of background, Requirement 3 in Schedule 2 to the Testo's Order allows Highways England to depart from the engineering drawings and sections for that scheme where such changes are (i) within the environmental assessment envelope for that scheme and (ii) the Secretary of State approves the change. The engineering drawings and sections for the Testo's scheme show the provision of the non-motorised route which this Scheme is proposing to remove and the extinguishment of part of the realigned B46 that will no longer be required as part of the Scheme.
- 1.4 It would be possible, if this Scheme is consented (and thereby an alternative to the Testo's non-motorised user solution is authorised), for Highways England to subsequently apply to the Secretary of State pursuant to Requirement 3 in Schedule 2 to the Testo's Order to make the above changes. However, this process would need to follow the decision on the application for this Scheme. In the interests of dealing with the change as expeditiously as possible, Highways England has incorporated the above proposals in the Scheme application. This avoids the need for two separate applications (i.e., one application for the Scheme, and one application for an amendment to the engineering drawings and sections for the Testo's scheme under the Testo's Order).

- 1.5 In addition to the revised engineering drawings and sections, Highways England has taken the opportunity to provide revised Works Plans and Streets, Rights of Way and Access Plans for the Testo's scheme. These are not required under Requirement 3 in Schedule 2 to the Testo's Order but have been provided to make clear the changes that are proposed.
- 1.6 In particular, it should be noted that:
- 1.6.1 The revised Works Plans for the Testo's scheme have removed Works No. 4 and 6 which are the associated works in relation to the non-motorised route being removed and the stopping up of B46 which is no longer required.
- 1.6.2 The Streets, Public Right of Way and Access Plans have omitted the references to the provision of the non-motorised route being removed and the stopping up of the B46.
- 1.7 As the certified documents for the Testo's scheme relate to versions of volumes of documents (rather than individual sheets within them), updated sets of the entire Works Plans and Streets, Public Rights of Way and Access Plans have been provided. There are no changes to these plans aside from those listed in 1.6.1 and 1.6.2 above and therefore changes have only been made to Sheet 2 of both the Works Plans and the Streets, Public Rights of Way and Access plans.
- 1.8 Highways England has consulted on the above changes (see the Consultation Report (**Application Document Reference TR010024/APP/5.1**)) and has carried out an environmental assessment of the above proposals (see further Appendix 1.2 of the Environmental Statement (**Application Document Reference TR010024/APP/6.3**)). The legal basis for the inclusion of and detailed explanation of the particular provisions associated with the amendment to the Testo's Order is contained within the Explanatory Memorandum (**Application Document Reference: TR010024/APP/3.2**).

2 SCHEDULE OF A19 TESTOS' JUNCTION PLANS INCLUDED IN THIS APPLICATION DOCUMENT

Document Title	Document Number	Revision
Works Plans – Regulation 5(2)(j)	TR010020/APP/2.4(3)	3
Streets Rights of Way & Access Plans – Regulation 5(2)(k)	TR010020/APP/2.5(2)	2
Engineering Drawings and Sections – Regulation 5(2)(o)	TR010020/APP/2.6(2)	2

A19 / A184 Testos Junction Improvement TR010020 2.4(3) Works Plans

APFP Regulation 5(2)(j)

Planning Act 2008

Infrastructure Planning (Applications: Prescribed Forms and Procedure)

Regulations 2009



Infrastructure Planning

Planning Act 2008

The Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009

A19 / A184 TESTOS JUNCTION IMPROVEMENT

The A19 / A184 (Testos Junction Improvement) Development Consent Order 201[]

WORKS PLANS

Regulation Number:	Regulation 5(2)(j)
Planning Inspectorate Scheme Reference	TR010020
Application Document Reference	TR010020/APP/2.4(3)
Author:	A19 Project Team, Highways England & Jacobs

Version	Date	Status of Version
Rev 3	January 2019	Updated for Downhill Lane Junction application (TR010024)
Rev 2	March 2018	Updated for Examination Deadline 5
Rev 1	October 2017	Update prior to Prelim Meeting
Rev 0	July 2017	Application Issue

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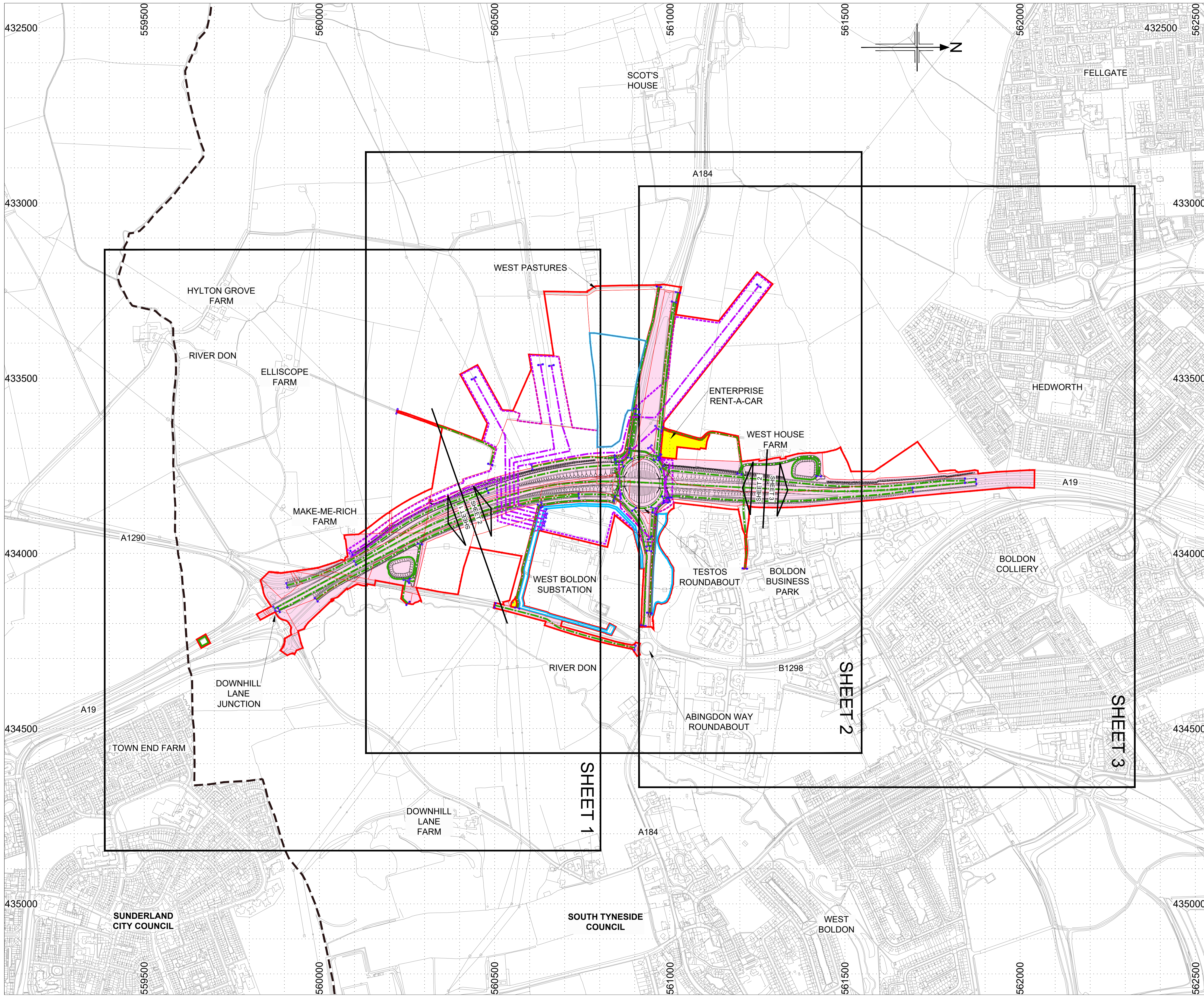
1 INTRODUCTION

- 1.1 This document is submitted to the Secretary of State through the Planning Inspectorate (as responsible agency) in relation to an application made by Highways England (“the Applicant”) under section 37 of the Planning Act 2008.
- 1.2 The Application is for an order granting development consent (“the development consent order” / “DCO”) for the A19 / A184 Testos Junction Improvement scheme (“the Scheme”). The draft DCO is referred to as *The Testos Junction Improvement Development Consent Order 201[*]*. The made DCO would grant powers to upgrade the existing at-grade junction to a grade-separated configuration.
- 1.3 This document comprises part of the suite of Application documentation and is included in the Application in compliance with Regulation 5(2)(j) and Regulation 5(4) of the Infrastructure Planning (Applications: Prescribed Forms and Procedures) Regulations 2009, which requires:
- 5(2)(j) “a work plan showing, in relation to existing features:*
- i) the proposed location or (for a linear scheme) the proposed route and alignment of the development and works; and*
 - ii) the limits within which the development and works may be carried out and any limits of deviation provided for in the draft order”*
- 5(4) “Where a plan comprises three or more sheets a key plan must be provided showing the relationship between the different sheets”*
- 1.3.1 As this document is part of the Application documentation, it should be read alongside and is informed by the other Application documents. In particular, the plans should be read alongside Schedule 1 of the draft Development Consent Order (document reference TR010020/APP/3.1).

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2 SCHEDULE OF PLANS INCLUDED IN THIS APPLICATION DOCUMENT

Document Title	Document Number	Revision
Works Plans – Regulation 5(2)(j) & 5(4) – Key Plan	TR010020/APP/2.4(A)	3
Works Plans – Regulation 5(2)(j) – Sheet 1 of 3	TR010020/APP/2.4(B)	3
Works Plans – Regulation 5(2)(j) – Sheet 2 of 3	TR010020/APP/2.4(C)	3
Works Plans – Regulation 5(2)(j) – Sheet 3 of 3	TR010020/APP/2.4(D)	3

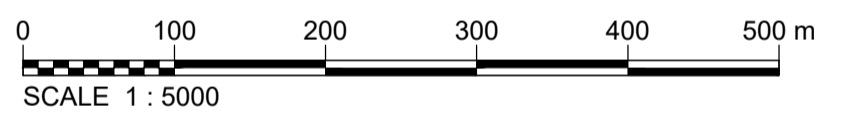


NOTES

- All dimensions are in metres unless stated otherwise.
- Works are described in Schedule 1 (Authorised Development) of the Development Consent Order (document reference TR010020/APP/3.1).
- The proposed works shown are illustrative only and will be subject to change as part of detailed design development. Any changes will be limited to being within the Order Limits and any other constraints included in the Development Consent Order.
- These Works Plans should be read in conjunction with the Land Plans and the Engineering Drawings and Sections of the made A19/A184 Testos Junction Alteration Development Consent Order 2018, and with application document 7.5 of the A19 Downhill Lane Junction Improvement DCO application (document reference TR010024/APP/7.5).

KEY

- Limits of land to be acquired or used permanently or temporarily
- Local Authority Boundary
- Area not included within the DCO boundary
- The Scheme (shown for illustrative purposes)
- Land Plot Boundaries
- Linear Highway Work Centerline (Approx)
- Highway Work Limit of Deviation
- Non-linear Highway Work
- Other Non-linear Works
- Utility Diversion Centerline (Approx)
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- Commencement of linear Works (Approx)
- Termination of linear Works (Approx)



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Rev	Revision date	Purpose of Revision	Drawn	Check'd	Rev'd	Appr'd
3	07/01/2019	DCO PLANS	TS	RA	RA	GW
2	08/03/2018	UPDATED FOR EXAMINATION DEADLINE 5	TS	RA	RA	GW
1	20/10/2017	UPDATE PRIOR TO PRELIM MEETING	TS	RA	RA	GW
0	06/07/2017	APPLICATION ISSUE	TS	RA	RA	GW

Client: **highways england**

Designer: **JACOBS** Contractor: **COSTAIN**

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Project: **A19 / A184 TESTOS JUNCTION IMPROVEMENT**

Drawing title: **WORKS PLANS REGULATION 5(4) KEY PLAN**

Drawing status: **DCO PLANS**

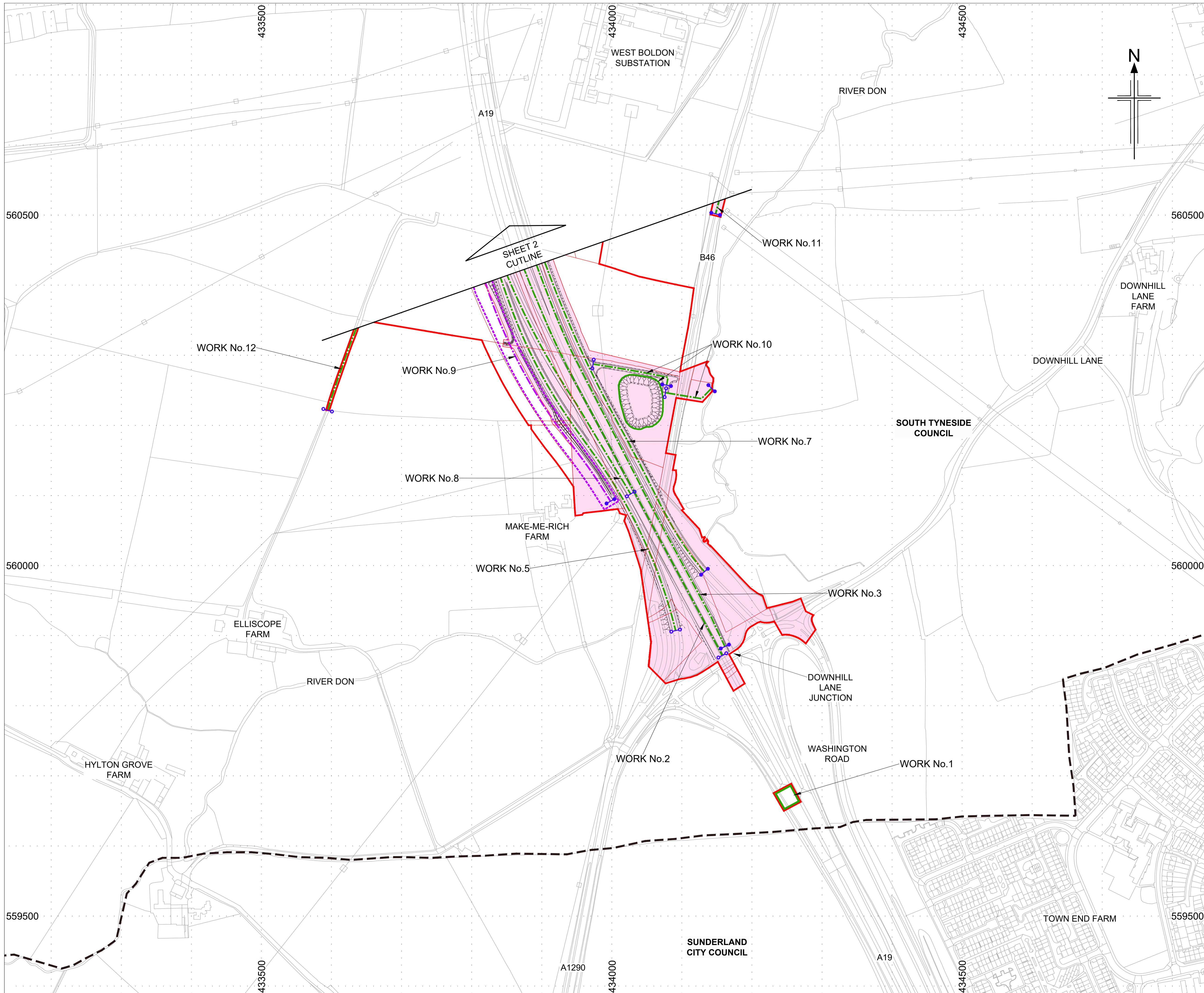
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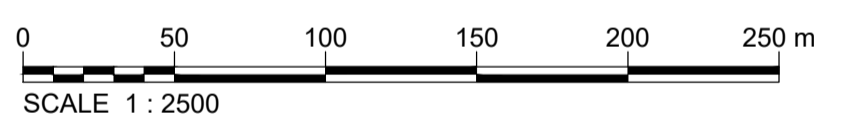
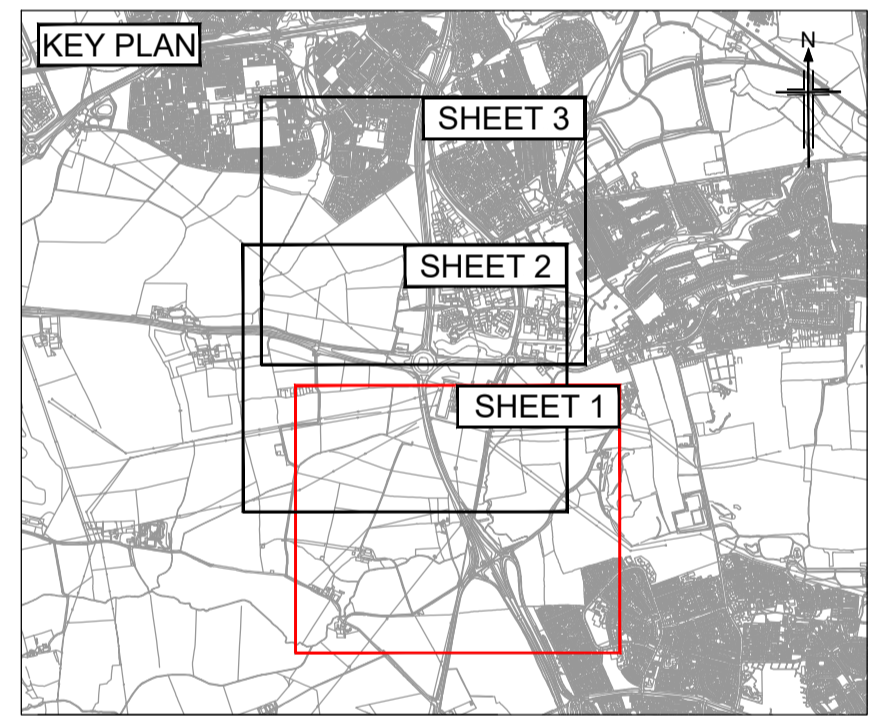


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2	08/03/2018	UPDATED FOR EXAMINATION DEADLINE 5	TS	RA	RA	GW
1	20/10/2017	UPDATE PRIOR TO PRELIM MEETING	TS	RA	RA	GW
0	06/07/2017	APPLICATION ISSUE	TS	RA	RA	GW
Rev	Revision date	Purpose of Revision	Drawn	Check'd	Rev'd	Appr'd

Client

Designer Contractor

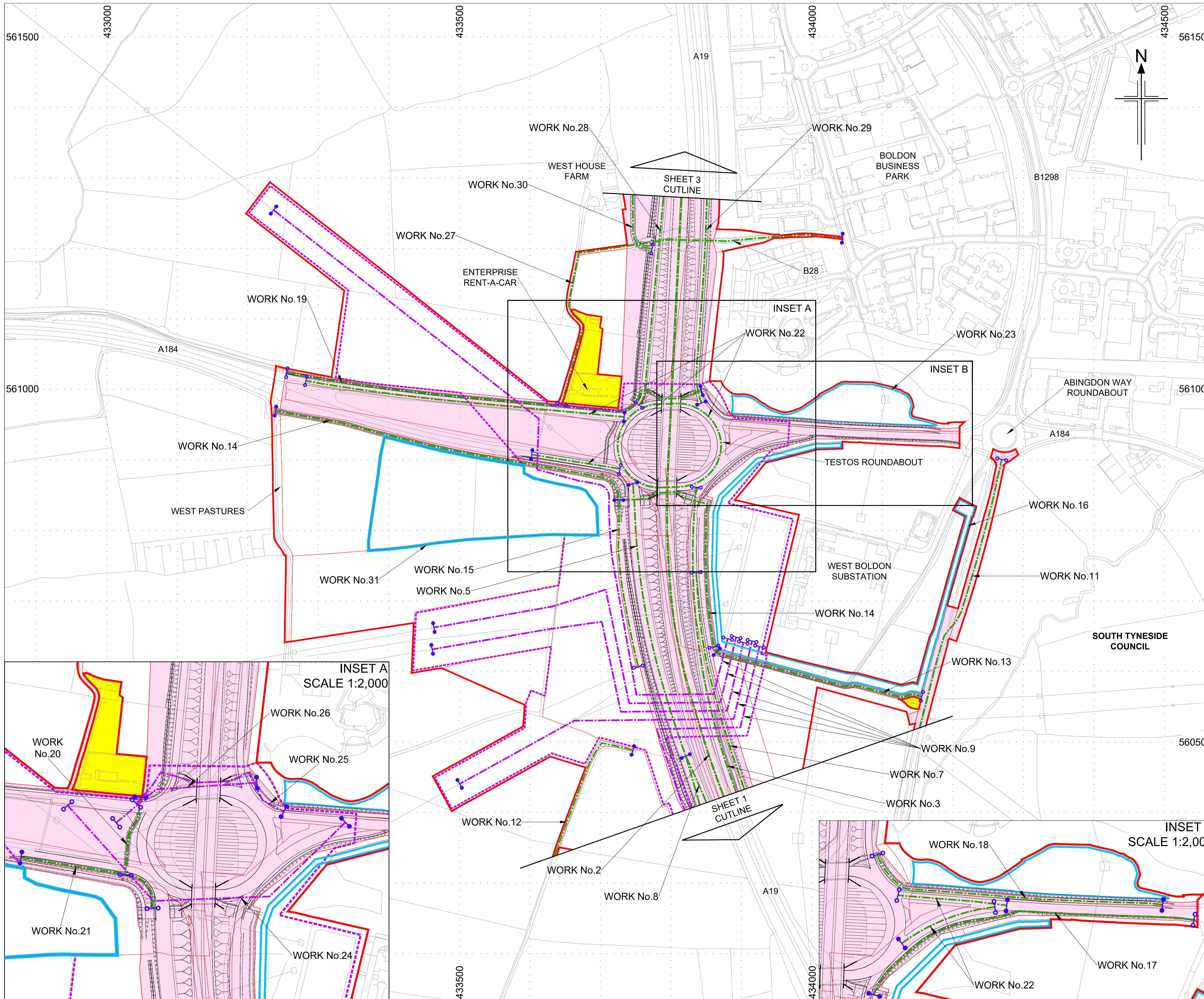
Project **A19 / A184 TESTOS JUNCTION IMPROVEMENT**

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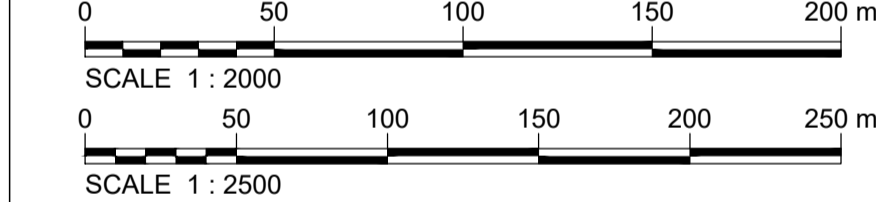
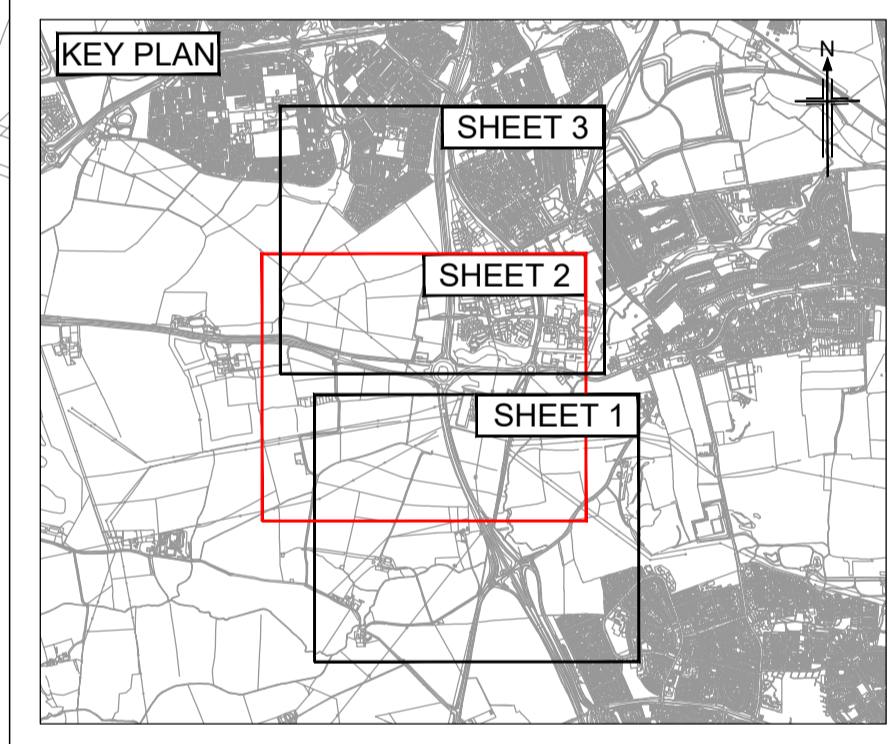
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Rev	Revision date	Purpose of Revision	Drawn	Check'd	Rev'd	Appr'd

Client: **highways england**

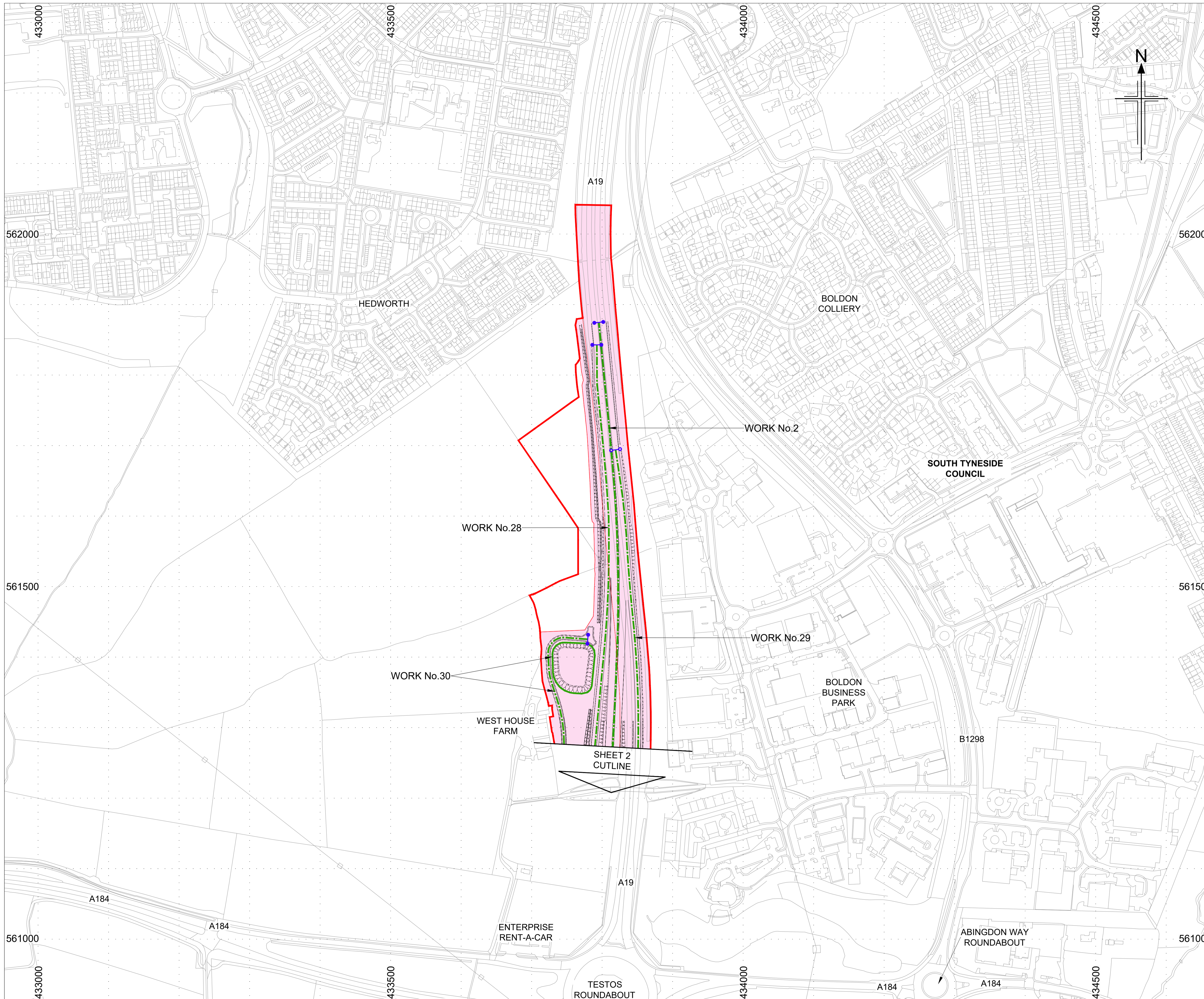
Designer: **JACOBS** Contractor: **COSTAIN**

Project: **A19 / A184 TESTOS JUNCTION IMPROVEMENT**

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Client no.:		
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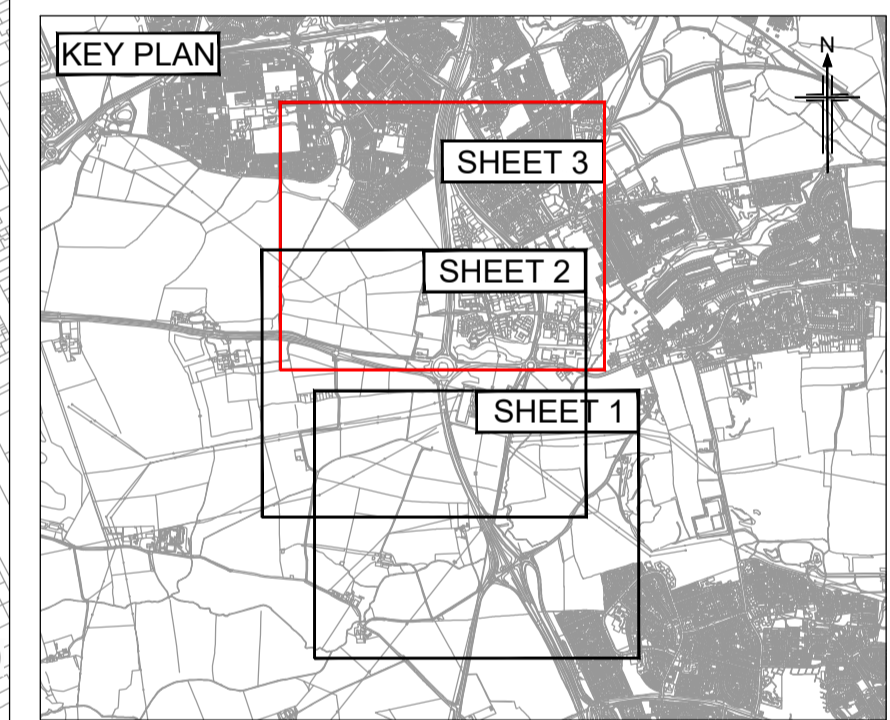


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SCALE 1 : 2500

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0	06/07/2017	APPLICATION ISSUE	TS	RA	RA	GW
Rev	Revision date	Purpose of Revision	Drawn	Check'd	Rev'd	Appr'd

Client

Designer Contractor

Project **A19 / A184 TESTOS JUNCTION IMPROVEMENT**

Drawing title **WORKS PLANS REGULATION 5(2)(j) SHEET 3 OF 3**

Drawing status **DCO PLANS**

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A19 / A184 Testos Junction Improvement TR010020 2.5(2) Streets, Right of Way and Access Plans

APFP Regulation 5(2)(k)

Planning Act 2008

Infrastructure Planning (Applications: Prescribed Forms and Procedure)

Regulations 2009



Infrastructure Planning

Planning Act 2008

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A19 / A184 TESTOS JUNCTION IMPROVEMENT

The A19 / A184 (Testos Junction Improvement) Development Consent Order 201[]

STREETS, RIGHTS OF WAY AND ACCESS PLANS

Regulation Number:	Regulation 5(2)(k)
Planning Inspectorate Scheme Reference	TR010020
Application Document Reference	TR010020/APP/2.5(2)
Author:	A19 Project Team, Highways England & Jacobs

Version	Date	Status of Version
Rev 2	January 2019	Updated for Downhill Lane Junction application (TR010024)
Rev 1	August 2018	Response to DfT Consultation letter
Rev 0	July 2017	Application Issue

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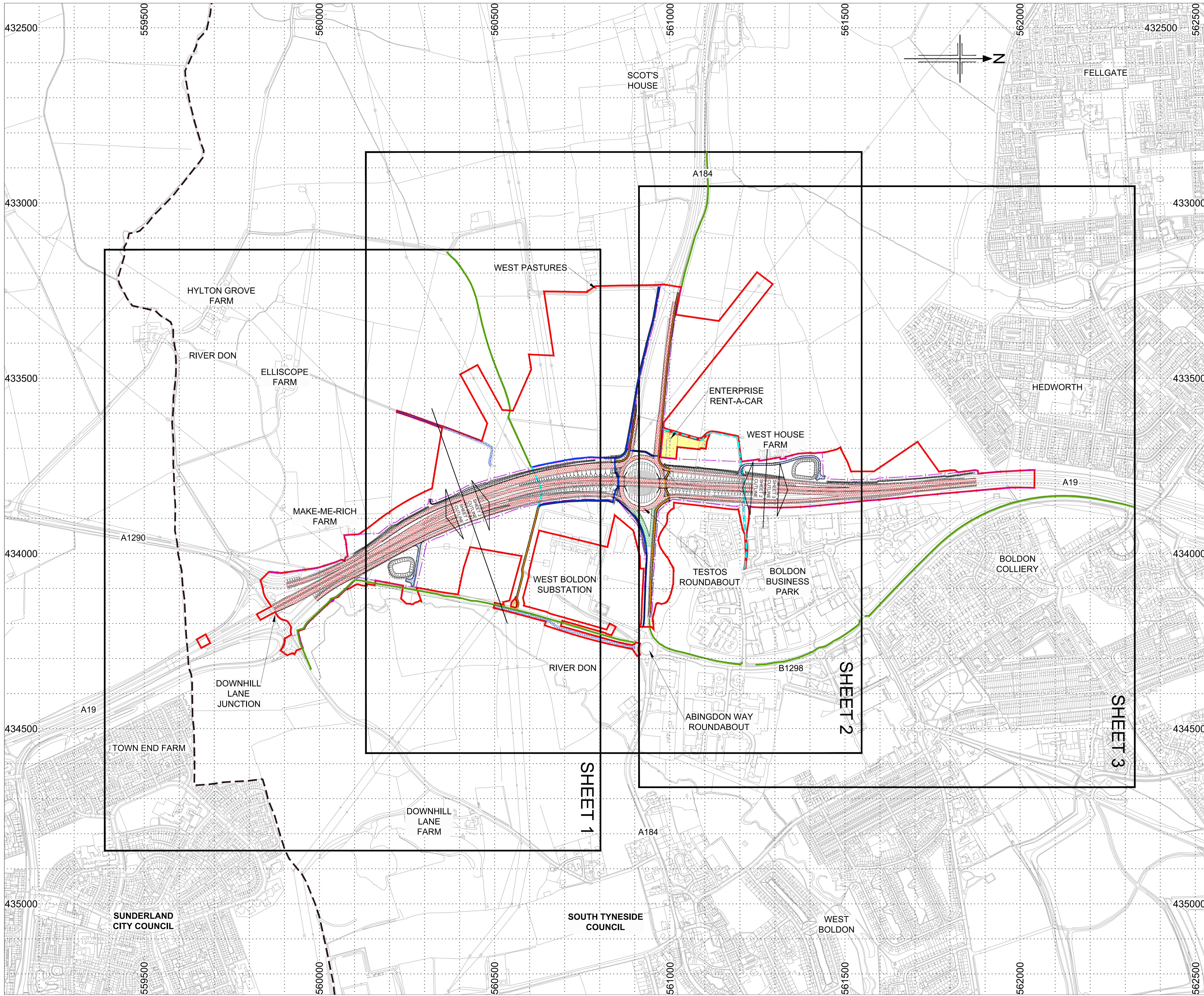
1 INTRODUCTION

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- 1.2 The Application is for an order granting development consent (“the development consent order” / “DCO”) for the A19 / A184 Testos Junction Improvement scheme (“the Scheme”). The draft DCO is referred to as *The Testos Junction Improvement Development Consent Order 201[*]*. The made DCO would grant powers to upgrade the existing at-grade junction to a grade-separated configuration.
- 1.3 This document comprises part of the suite of Application documentation and is included in the Application in compliance with Regulation 5(2)(k) and Regulation 5(4) of the Infrastructure Planning (Applications: Prescribed Forms and Procedures) Regulations 2009, which requires:
- 5(2)(k) “where applicable, a plan identifying any new or altered means of access, stopping up of streets or roads or any diversions, extinguishments or creation of rights of way or public rights of navigation”*
- 5(4) “Where a plan comprises three or more separate sheets a key plan must be provided showing the relationship between the different sheets”*
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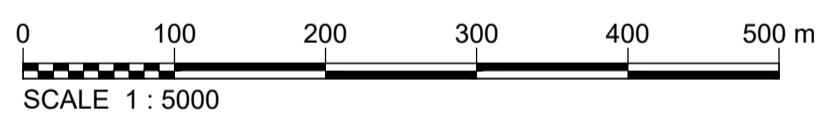
2 SCHEDULE OF PLANS INCLUDED IN THIS APPLICATION DOCUMENT

Document Title	Document Number
Streets, Rights of Way and Access Plans – Regulation 5(2)(k) & 5(4) – Key Plan	TR010020/APP/2.5(A)
Streets, Rights of Way and Access Plans – Regulation 5(2)(k) – Sheet 1 of 3	TR010020/APP/2.5(B)
Streets, Rights of Way and Access Plans – Regulation 5(2)(k) – Sheet 2 of 3	TR010020/APP/2.5(C)
Streets, Rights of Way and Access Plans – Regulation 5(2)(k) – Sheet 3 of 3	TR010020/APP/2.5(D)



- NOTES**
- All dimensions are in metres unless stated otherwise.
 - New highways created as 'trunk road' will be owned and maintained by Highways England.
 - Rights of way may include brideways, cycletrack, footpaths and footways.
 - These Streets, Rights of Way and Access Plans should be read in conjunction with Schedule 1 (Authorised Development), Schedule 3 (Classification of Roads) and Schedule 4 (Permanent Stopping Up of Streets and Private Means of Access) of the made A19/A184 Testos Junction Alteration Development Consent Order 2018, and with application document 7.5 of the A19 Downhill Lane Junction Improvement DCO application (document reference TR010024/APP/7.5).

- KEY**
- Limits of land to be acquired or used permanently or temporarily
 - Local Authority Boundary
 - The Scheme (shown for illustrative purposes)
 - Area not included within the DCO boundary
 - Proposed Highway Boundary
 - Highway Improvement/Alteration - Trunk road
 - Highway Improvement/Alteration - Side roads
 - New/improved private means of access
 - New right of way
 - Existing right of way
 - Existing right of way to be upgraded
 - Existing right of way to be stopped up



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0	06/07/2017	APPLICATION ISSUE	TS	RA	RA	GW
Rev	Revision date	Purpose of Revision	Drawn	Check'd	Rev'd	Appr'd

Client: **highways england**

Designer: **JACOBS** Contractor: **COSTAIN**

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Project: **A19 / A184 TESTOS JUNCTION IMPROVEMENT**

Drawing title: **STREETS, RIGHTS OF WAY AND ACCESS PLANS REGULATION 5(4) KEY PLAN**

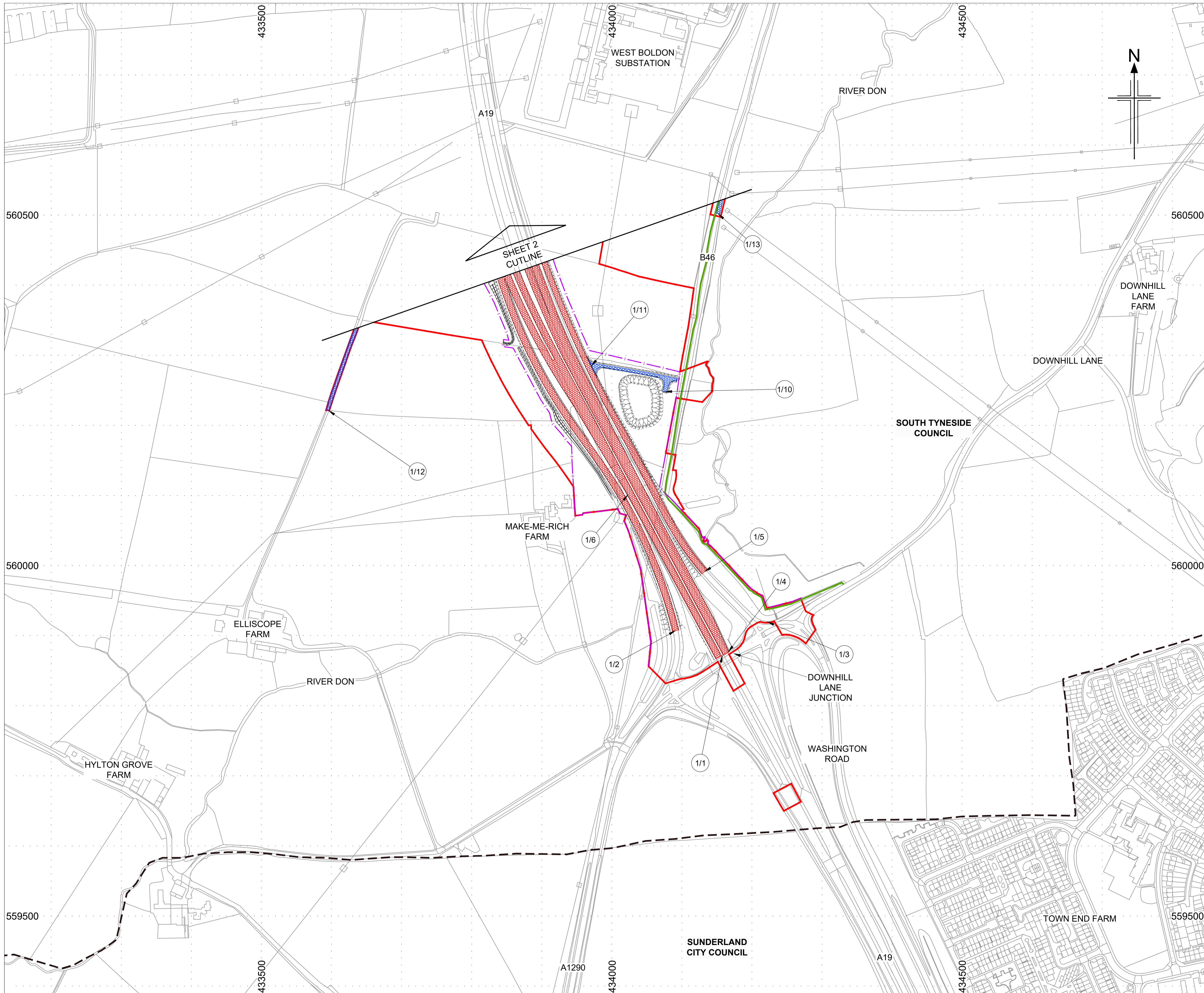
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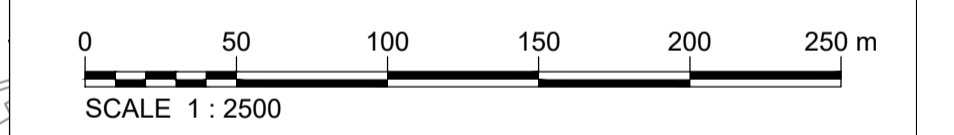
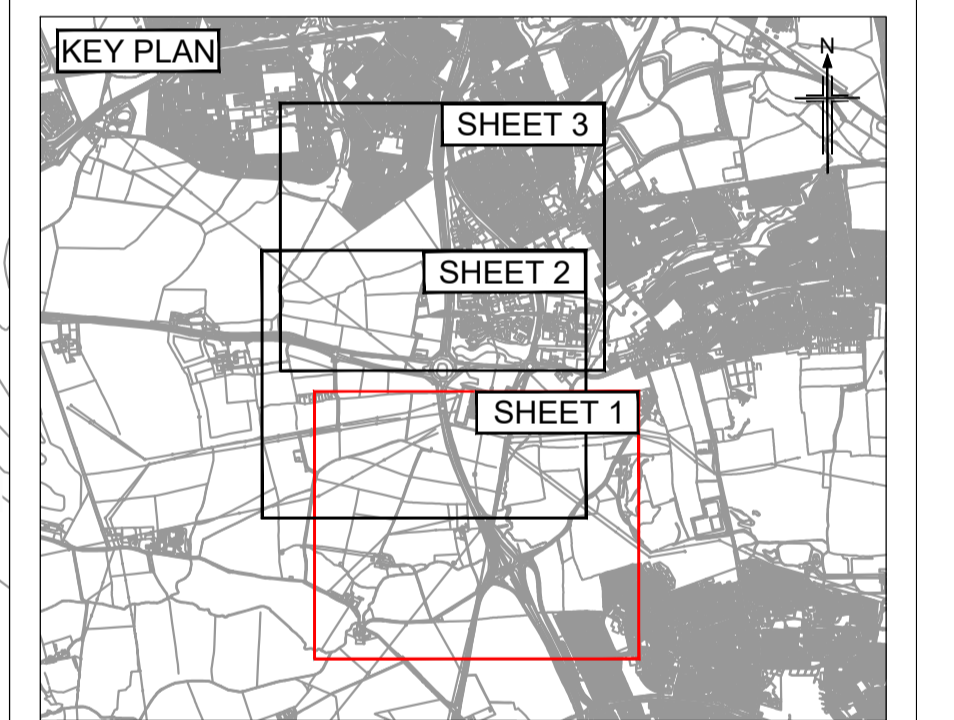


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- Highway Improvement/Alteration - Trunk road
- New/improved private means of access
- New right of way
- Existing right of way
- Existing right of way to be stopped up
- Start/End point of highway / private means of access / right of way to be improved, created or stopped up



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Rev	Revision date	Purpose of Revision	Drawn	Check'd	Rev'd	Appr'd

Client

Designer Contractor

Project **A19 / A184 TESTOS JUNCTION IMPROVEMENT**

Drawing title **STREETS, RIGHTS OF WAY AND ACCESS PLANS REGULATION 5(2)(k) SHEET 1 OF 3**

Drawing status **DCO PLANS**

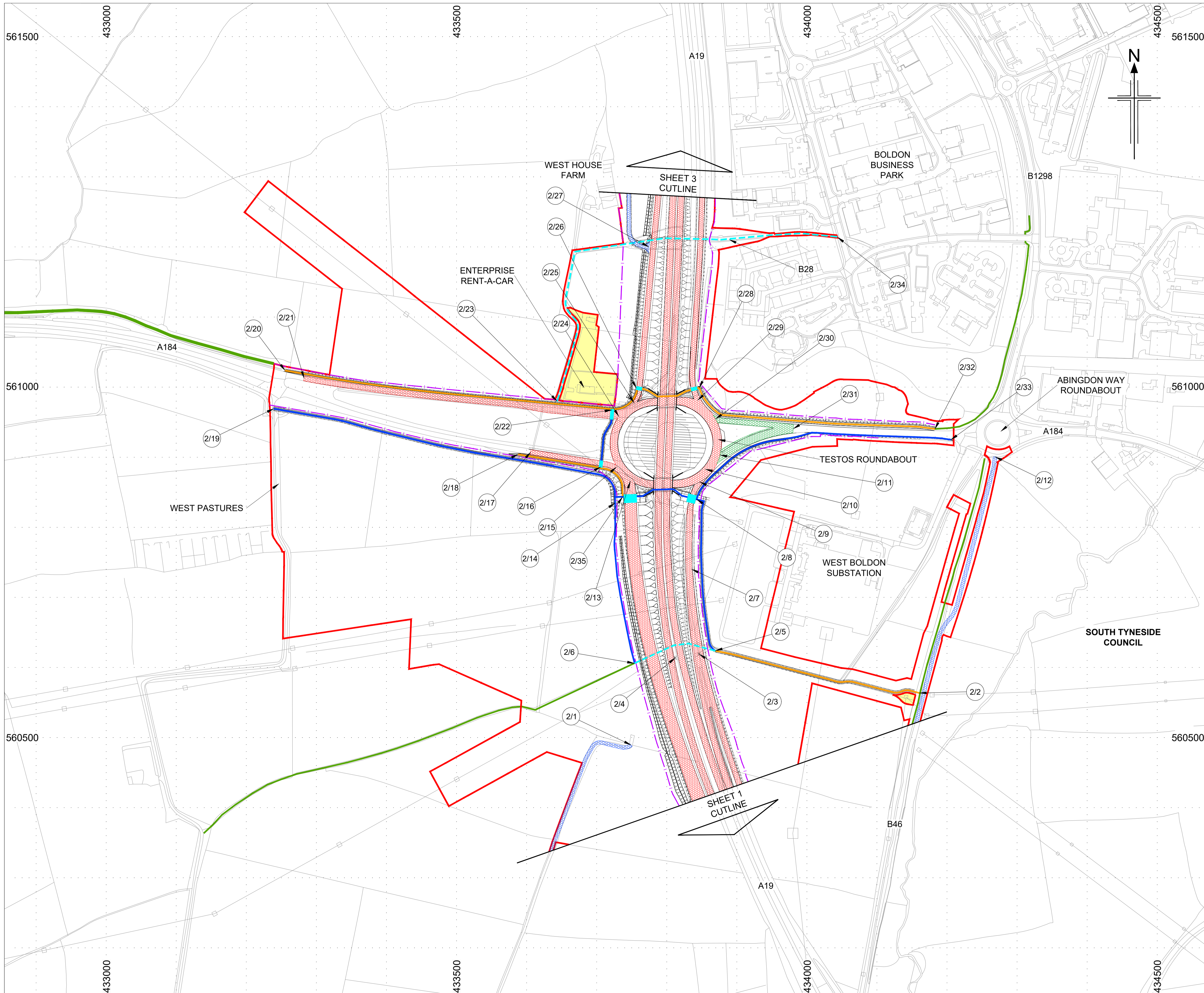
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Jacobs No. B0140300

Client no.

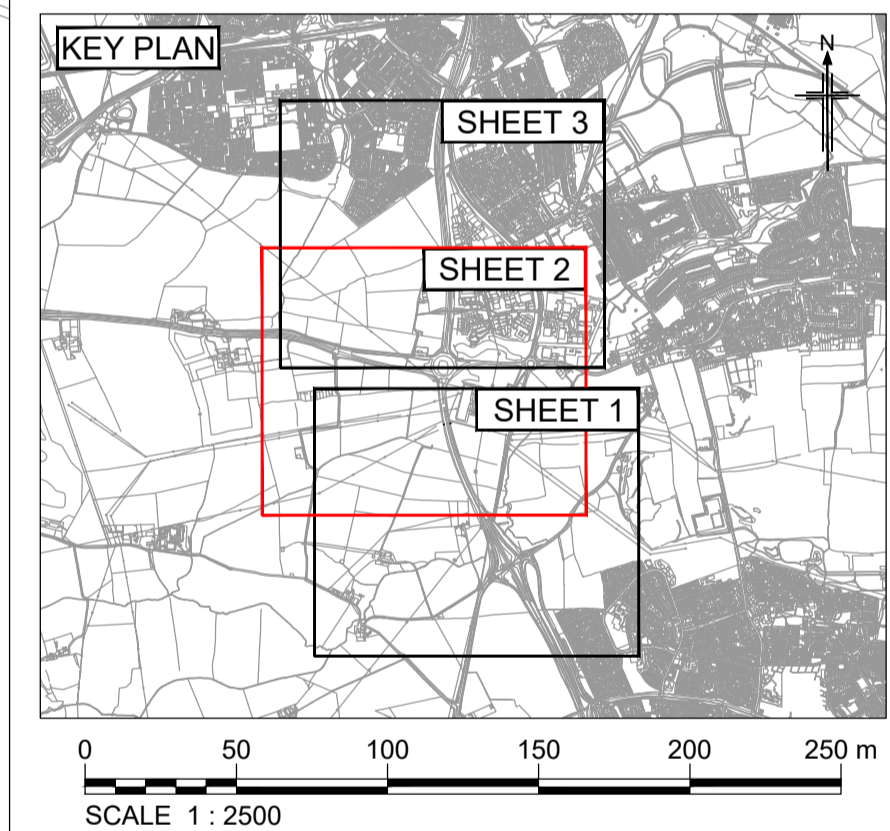
Drawing number **TR010020/APP/2.5(B)** Rev **1**

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- NOTES**
- All dimensions are in metres unless stated otherwise.
 - New highways created as 'trunk road' will be owned and maintained by Highways England.
 - Rights of way may include bridleways, cycletrack, footpaths and footways.
 - These Streets, Rights of Way and Access Plans should be read in conjunction with Schedule 1 (Authorised Development), Schedule 3 (Classification of Roads) and Schedule 4 (Permanent Stopping Up of Streets and Private Means of Access) of the made A19/A184 Testos Junction Alteration Development Consent Order 2018, and with application document 7.5 of the A19 Downhill Lane Junction Improvement DCO application (document reference TR010024/APP/7.5).

- KEY**
- Limits of land to be acquired or used permanently or temporarily
 - The Scheme (shown for illustrative purposes)
 - Area not included within the DCO boundary
 - Proposed Highway Boundary
 - Highway Improvement/Alteration - Trunk road
 - Highway Improvement/Alteration - Side roads
 - New/improved private means of access
 - Signalised PrOW Crossing
 - New right of way
 - Existing right of way
 - Existing right of way to be upgraded
 - Existing right of way to be stopped up
 - Start/End point of highway / private means of access / right of way to be improved, created or stopped up



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2	07/01/2019	DCO PLANS	TS	RA	RA	GW
1	25/07/2018	UPDATE IN RESPONSE TO DfT LETTER	TS	RA	RA	GW
0	06/07/2017	APPLICATION ISSUE	TS	RA	RA	GW
Rev	Revision date	Purpose of Revision	Drawn	Check'd	Rev'd	Appr'd

Client: **highways england**

Designer: **JACOBS** Contractor: **COSTAIN**

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Project: **A19 / A184 TESTOS JUNCTION IMPROVEMENT**

Drawing title: **STREETS, RIGHTS OF WAY AND ACCESS PLANS REGULATION 5(2)(K) SHEET 2 OF 3**

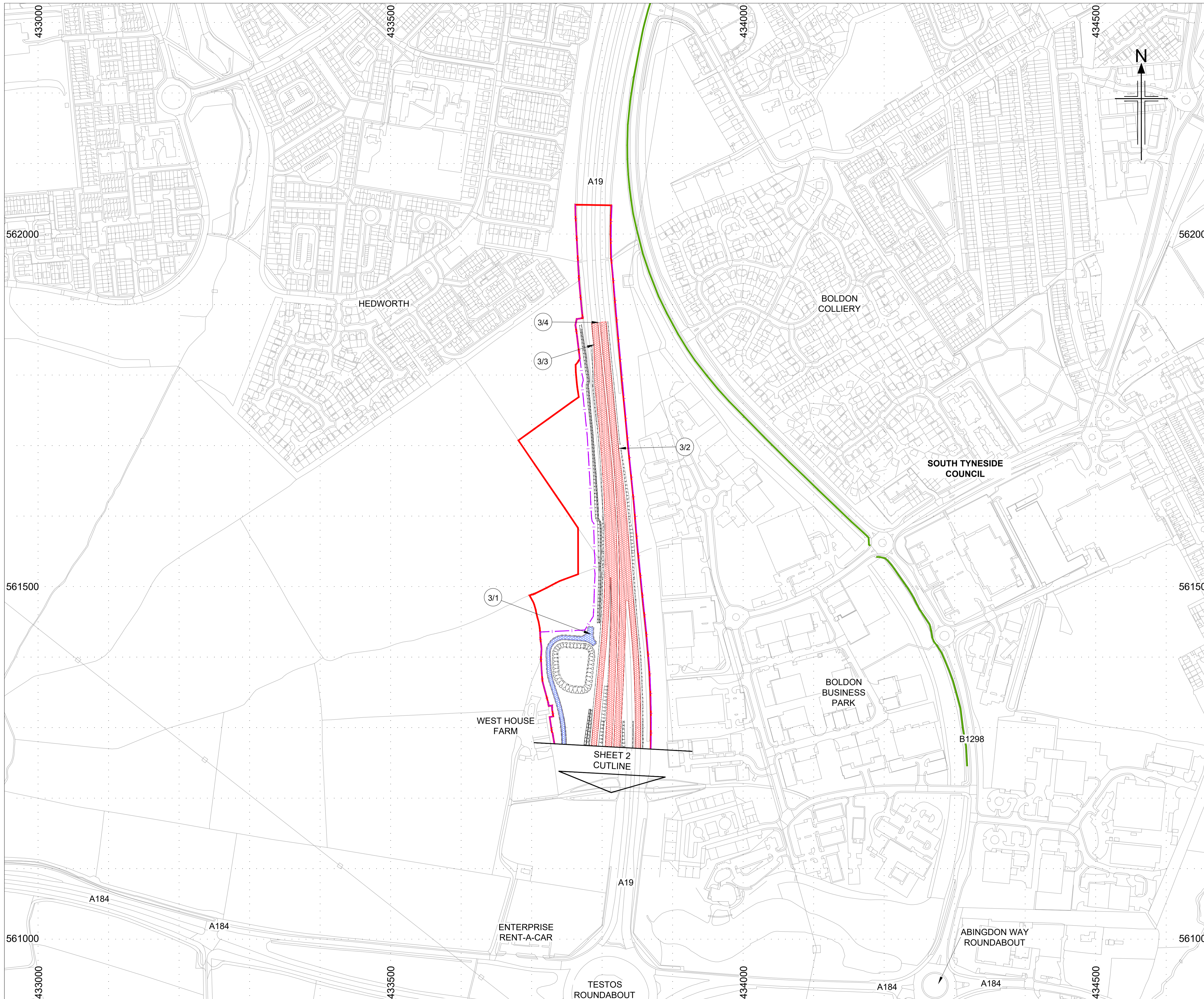
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Jacobs No. B0140300

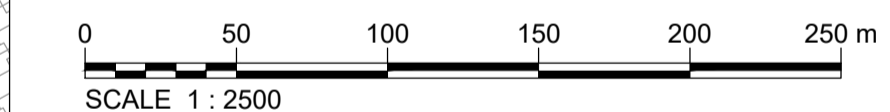
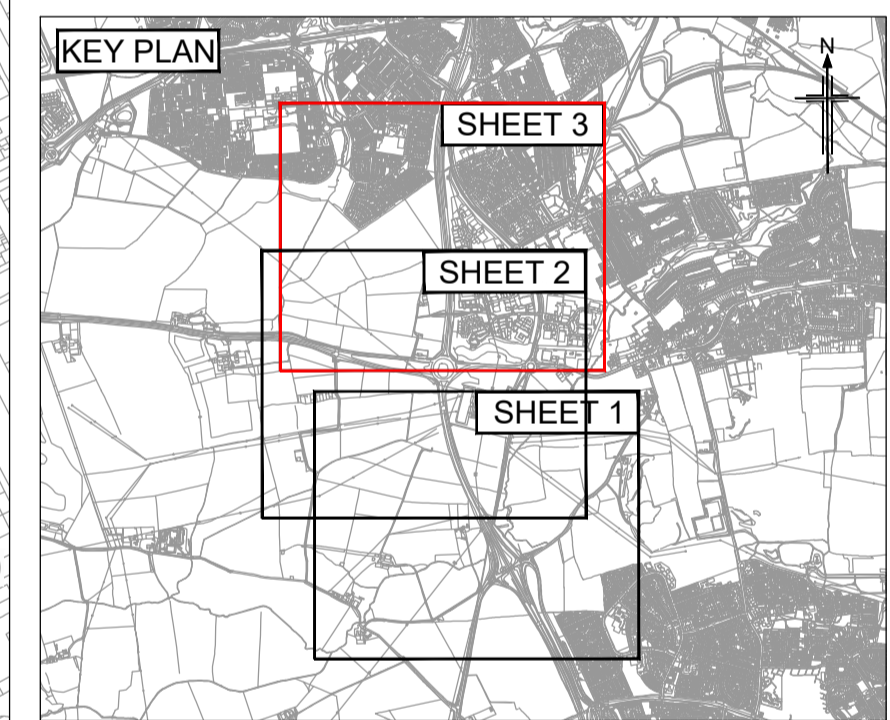
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- KEY**
- Limits of land to be acquired or used permanently or temporarily
 - The Scheme (shown for illustrative purposes)
 - Proposed Highway Boundary
 - Highway Improvement/Alteration - Trunk road
 - New/improved private means of access
 - Existing right of way
 - Start/End point of highway / private means of access / right of way to be improved, created or stopped up



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1	07/01/2019	DCO PLANS	TS	RA	RA	GW
0	06/07/2017	APPLICATION ISSUE	TS	RA	RA	GW
Rev	Revision date	Purpose of Revision	Drawn	Check'd	Rev'd	Appr'd

Client:

Designer: Contractor:

Project: **A19 / A184 TESTOS JUNCTION IMPROVEMENT**

Drawing title: **STREETS, RIGHTS OF WAY AND ACCESS PLANS REGULATION 5(2)(K) SHEET 3 OF 3**

Drawing status: **DCO PLANS**

Scale: 1:2500 @ A1 DO NOT SCALE
 Jacobs No. B0140300
 Client no.

Drawing number: **TR010020/APP/2.5(D)** Rev: **1**

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A19 / A184 Testos Junction Improvement TR010020 2.6(2) Engineering Drawings and Sections

APFP Regulation 5(2)(o) and Regulation 6(2)

Planning Act 2008

Infrastructure Planning (Applications: Prescribed Forms and Procedure)

Regulations 2009



Infrastructure Planning

Planning Act 2008

The Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009

A19 / A184 TESTOS JUNCTION IMPROVEMENT

The A19 / A184 (Testos Junction Improvement) Development Consent Order 201[]

ENGINEERING DRAWINGS AND SECTIONS

Regulation Number:	Regulation 5(2)(o) & Regulation 6(2)
Planning Inspectorate Scheme Reference	TR010020
Application Document Reference	TR010020/APP/2.6
Author:	A19 Project Team, Highways England & Jacobs

Version	Date	Status of Version
Rev 2	January 2019	Updated for Downhill Lane Junction application (TR010024)
Rev 1	October 2017	Update prior to Prelim Meeting
Rev 0	July 2017	Application Issue

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CONTENTS

1	INTRODUCTION.....	1
2	SCHEDULE OF PLANS INCLUDED IN THIS APPLICATION DOCUMENT	3

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1 INTRODUCTION

- 1.1 This document is submitted to the Secretary of State through the Planning Inspectorate (as responsible agency) in relation to an application made by Highways England (“the Applicant”) under section 37 of the Planning Act 2008.
- 1.2 The Application is for an order granting development consent (“the development consent order” / “DCO”) for the A19 / A184 Testos Junction Improvement scheme (“the Scheme”). The draft DCO is referred to as *The Testos Junction Improvement Development Consent Order 201[*]*. The made DCO would grant powers to upgrade the existing at-grade junction to a grade-separated configuration.
- 1.3 This document comprises part of the suite of Application documentation and is included in the Application in compliance with Regulations 5(2)(o), Regulations 5(4) and Regulation 6(2) of the Infrastructure Planning (Applications: Prescribed Forms and Procedures) Regulations 2009, which requires:
- “5(2)(o) any other plans, drawings and sections necessary to describe the proposals for which development consent is sought, showing details of design, external appearance, and the preferred layout of buildings or structures, drainage, surface water management, means of vehicular and pedestrian access, any car parking to be provided, and means of landscaping”*
- 5(4) “Where a plan comprises three or more separate sheets a key plan must be provided showing the relationship between the different sheets”*
- 6(2) If the application is for highway related development or for the construction or alteration of a railway, it must be accompanied by section drawings to suitable horizontal and vertical scales, which show, by reference to Ordnance Survey or Chart datum*
- (a) the levels of the proposed works, including in particular and where relevant*
- (i) ground levels;*
 - (ii) the height of every proposed bridge, viaduct, aqueduct, embankment and elevated guideway;*
 - (iii) the depth of every proposed cutting and tunnel;*
 - (iv) the levels of the bed of any tidal waters or inland waterway in which it is proposed that any works should be situated;*
 - (v) the height of every structure or device (including a cable, but not catenary and related equipment) intended to be erected above, on or below the surface of, or on or beneath the bed of tidal waters or an inland waterway; and*
 - (vi) drainage outfall details for highways;*
- (b) a cross section of every intended tunnel and any altered gradient of a carriageway or a way forming part of a guided transport system on either side of every level crossing, bridge, tunnel or underpass which would carry the carriageway or way or through which it would pass.*

- 1.3.1 As this document is part of the Application documentation, it should be read alongside and is informed by the other Application documents. In particular, the plans should be read alongside Schedule 1 of the draft Development Consent Order (document reference TR010020/APP/3.1).

2 SCHEDULE OF PLANS INCLUDED IN THIS APPLICATION DOCUMENT

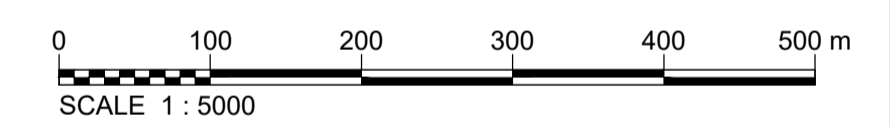
Document Title	Document Number	Revision
Highways Engineering Drawings (General Arrangement) Regulations 5(2)(o) & 5(4) – Key Plan	TR010020/APP/23.1(A)	2
Highways Engineering Drawings (General Arrangement) Regulation 5(2)(o) – Sheet 1 of 3	TR010020/APP/23.1(B)	2
Highways Engineering Drawings (General Arrangement) Regulation 5(2)(o) – Sheet 2 of 3	TR010020/APP/23.1(C)	2
Highways Engineering Drawings (General Arrangement) Regulation 5(2)(o) – Sheet 3 of 3	TR010020/APP/23.1(D)	2
Engineering Sections (Long Sections) Regulation 6(2) – Sheet 1 of 4	TR010020/APP/23.2(A)	1
Engineering Sections (Long Sections) Regulation 6(2) – Sheet 2 of 4	TR010020/APP/23.2(B)	1
Engineering Sections (Long Sections) Regulation 6(2) – Sheet 3 of 4	TR010020/APP/23.2(C)	1
Engineering Sections (Long Sections) Regulation 6(2) – Sheet 4 of 4	TR010020/APP/23.2(D)	1
Structures Engineering Drawings & Sections Regulations 5(2)(o) and 6(2) – Testos North / South Underbridges Option	TR010020/APP/23.3(A)	0
Structures Engineering Drawings & Sections Regulations 5(2)(o) and 6(2) – Testos Flyover Bridge Option	TR010020/APP/23.3(B)	0
Structures Engineering Drawings & Sections Regulations 5(2)(o) and 6(2) – Gantries G1 & G2	TR010020/APP/23.3(C)	0
Structures Engineering Drawings & Sections Regulations 5(2)(o) and 6(2) – Gantry G3	TR010020/APP/23.3(D)	0
Drainage Engineering Drawings (General Arrangement) Regulations 5(2)(o) & 5(4) – Key Plan	TR010020/APP/23.4(A)	2
Drainage Engineering Drawings (General Arrangement) Regulation 5(2)(o) – Sheet 1 of 3	TR010020/APP/23.4(B)	2
Drainage Engineering Drawings (General Arrangement) Regulation 5(2)(o) – Sheet 2 of 3	TR010020/APP/23.4(C)	2
Drainage Engineering Drawings (General Arrangement) Regulation 5(2)(o) – Sheet 3 of 3	TR010020/APP/23.4(D)	2

NOTES

- All dimensions are in metres unless stated otherwise.
- General arrangement plans Regulations 5(2)(o) TR010020/APP/23.1(B) to 23.1(D) are to be used as location reference for sheet sets as identified on Regulation 5(2)(o) drawing TR010020/APP/23.1(A).
- For Engineering section drawings, Regulation 6(2) see drawings TR010020/APP/23.2(A) to 23.2(D).
- All structure positions are indicative.
- All culvert positions are indicative.
- Plans to be read in conjunction with the Development Consent Order. The proposed works will be subject to detailed design development. The changes will be limited to being within the limits of land to be acquired or used permanently and any other constraint included in the Development Consent Order (Document Reference TR010020/APP/3.1).
- Details of vehicular access and NMU facilities are subject to detailed design work but will be within the extents of the limits of deviation as identified on Works Plans (Document Reference TR010020/APP/2.4(A) to 2.4(D)).
- The heights of proposed bridges and embankments and the depth of proposed cuttings and tunnels are marked as required on engineering section drawings and are indicative.
- These Highway Engineering Drawings (General Arrangement) should be read in conjunction with application document 7.5 of the A19 Downhill Lane Junction Improvement DCO application (document reference TR010024/APP/7.5).

KEY

- The Design (shown for illustrative purposes)
- Limits of Land to be acquired or used permanently or temporarily
- Local Authority Boundary
- Area not included within the DCO boundary



2	08/01/2019	DCO PLANS	MF	RA	RA	GW
1	22/05/2018	DCO DISCHARGE REQUIREMENTS	MF	RA	RA	GW
0	10/07/2017	APPLICATION ISSUE	MF	RA	RA	GW
Rev	Rev. Date	Purpose of revision	Drawn	Checked	Rev'd	Appr'd

Client

Designer **JACOBS** Contractor **COSTAIN**

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www.jacobs.com

Project **A19/A184 TESTO'S JUNCTION IMPROVEMENT**

Drawing title
Highway Engineering Drawings (General Arrangement) Regulations 5(2)(o) & 5(4) Key Plan

Drawing status **DCO PLANS**

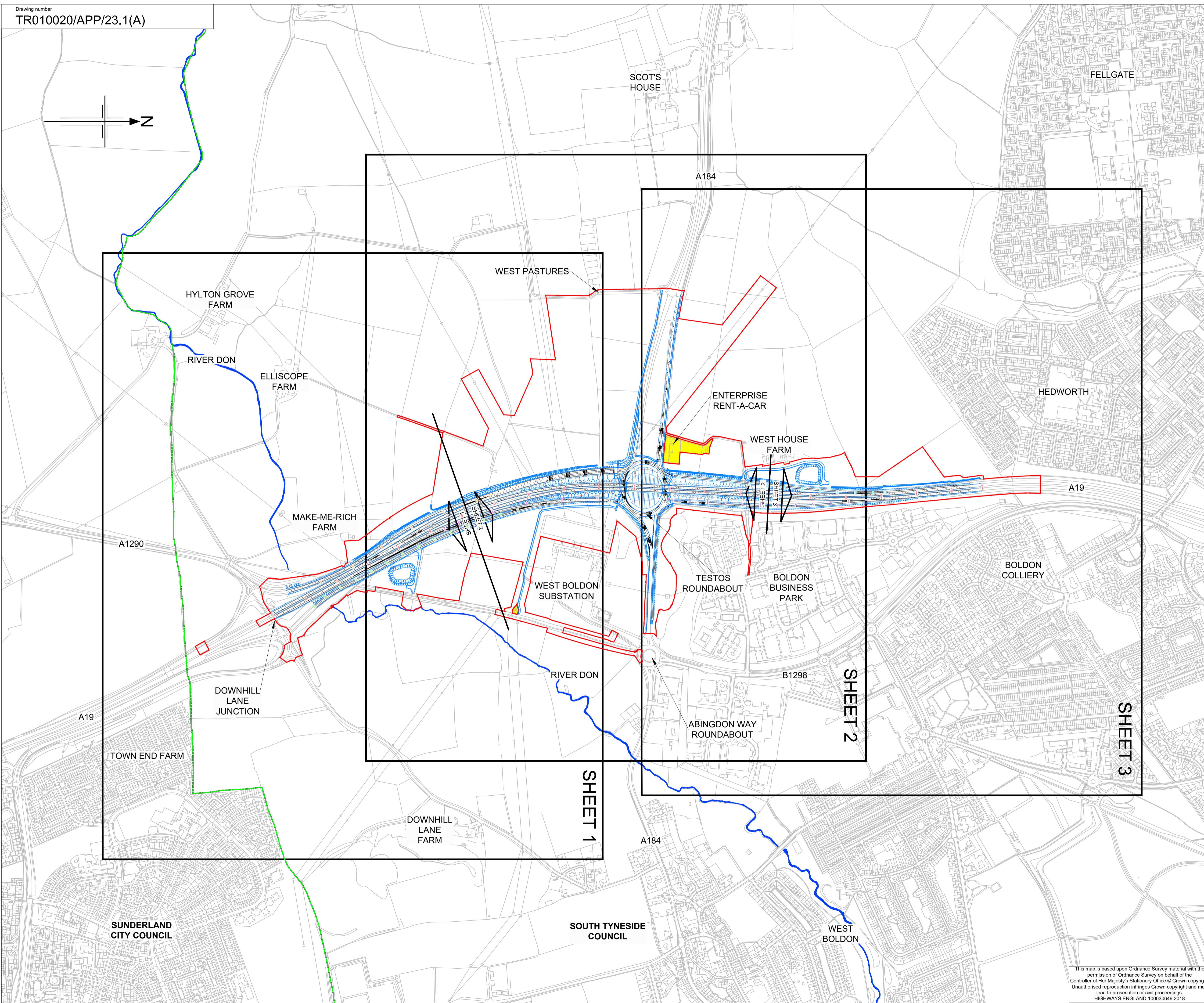
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Jacobs No. B0140300

Drawing number **TR010020/APP/23.1(A)** Rev **2**

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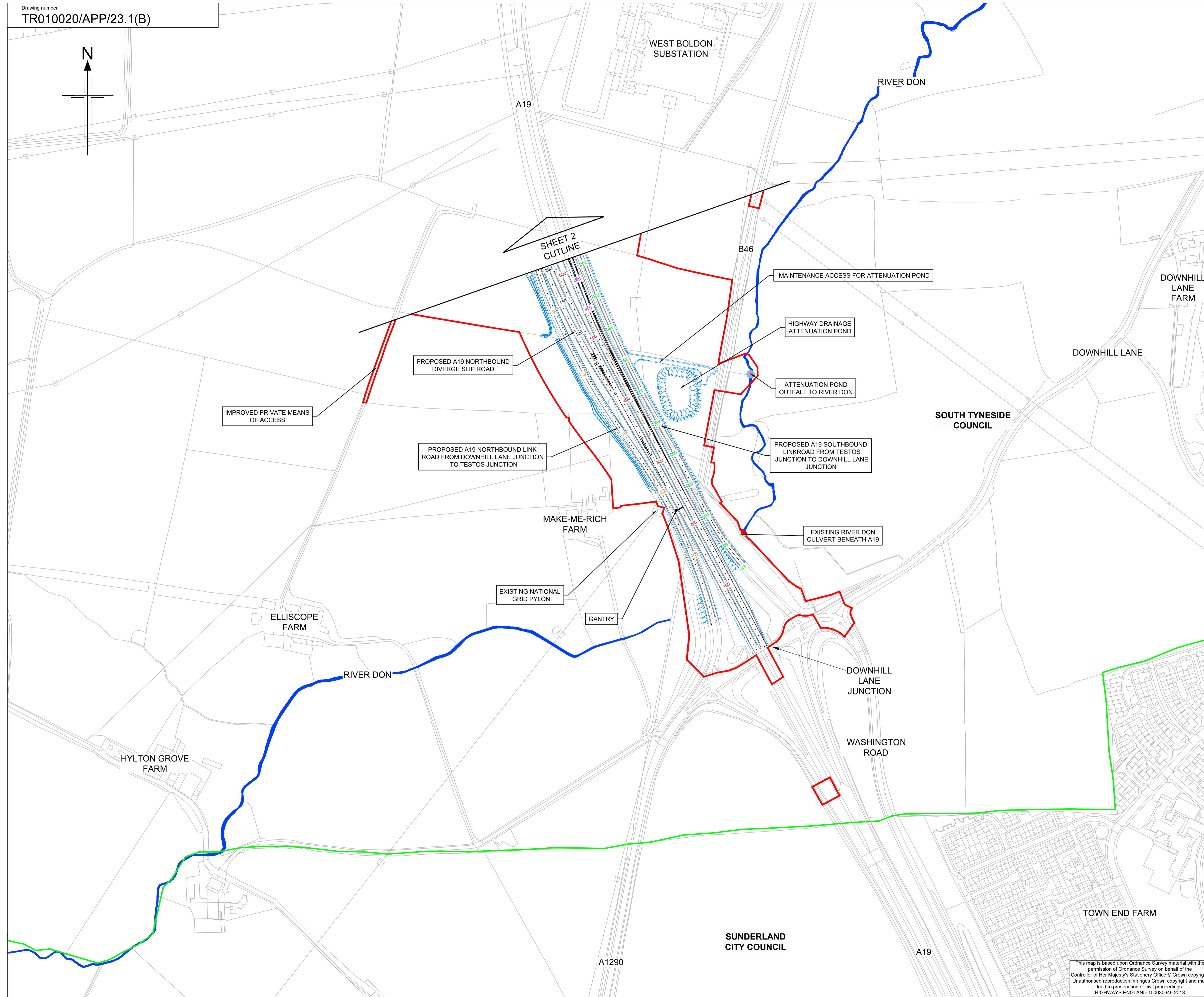
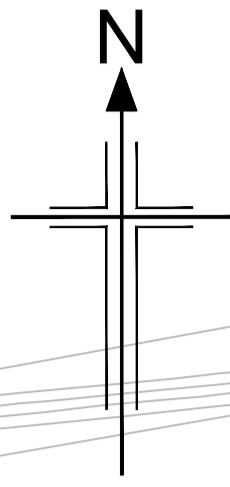
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SUNDERLAND CITY COUNCIL

SOUTH TYNESIDE COUNCIL

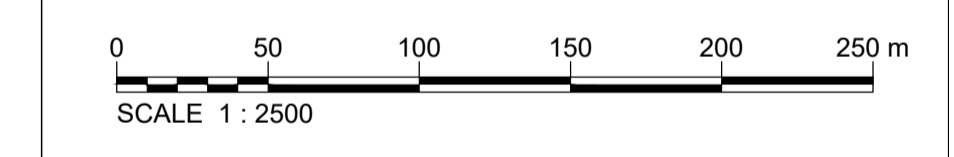
WEST BOLDON



NOTES

1. All dimensions are in metres unless stated otherwise.
2. General arrangement plans Regulations 5(2)(o) TR010020/APP/23.1(B) to 23.1(D) are to be used as location reference for sheet sets as identified on Regulation 5(2)(o) drawing TR010020/APP/23.1(A).
3. For Engineering section drawings, Regulation 6(2) see drawings TR010020/APP/23.2(A) to 23.2(D).
4. All structure positions are indicative.
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6. Plans to be read in conjunction with the Development Consent Order. The proposed works will be subject to detailed design development. The changes will be limited to being within the limits of land to be acquired or used permanently and any other constraint included in the Development Consent Order (Document Reference TR010020/APP/3.1).
7. Details of vehicular access and NMU facilities are subject to detailed design work but will be within the extents of the limits of deviation as identified on Works Plans (Document Reference TR010020/APP/2.4(A) to 2.4(D)).
8. The heights of proposed bridges and embankments and the depth of proposed cuttings and tunnels are marked as required on engineering section drawings and are indicative.
9. These Highway Engineering Drawings (General Arrangement) should be read in conjunction with application document 7.5 of the A19 Downhill Lane Junction Improvement DCO application (document reference TR010024/APP/7.5).

- KEY**
- The Design (shown for illustrative purposes)
 - Limits of Land to be acquired or used permanently or temporarily
 - Proposed Cycle Track
 - Local Authority Boundary
 - Gantry G1 / Gantry G2 - Cantilever
 - Gantry G3 - Super-span
 - Proposed Discharge Point



2	08/01/2019	DCO PLANS	MF	RA	RA	GW
1	22/05/2018	DCO DISCHARGE REQUIREMENTS	MF	RA	RA	GW
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Project **A19/A184 TESTO'S JUNCTION IMPROVEMENT**

Drawing title
Highway Engineering Drawings (General Arrangement) Regulation 5(2)(o) Sheet 1 of 3

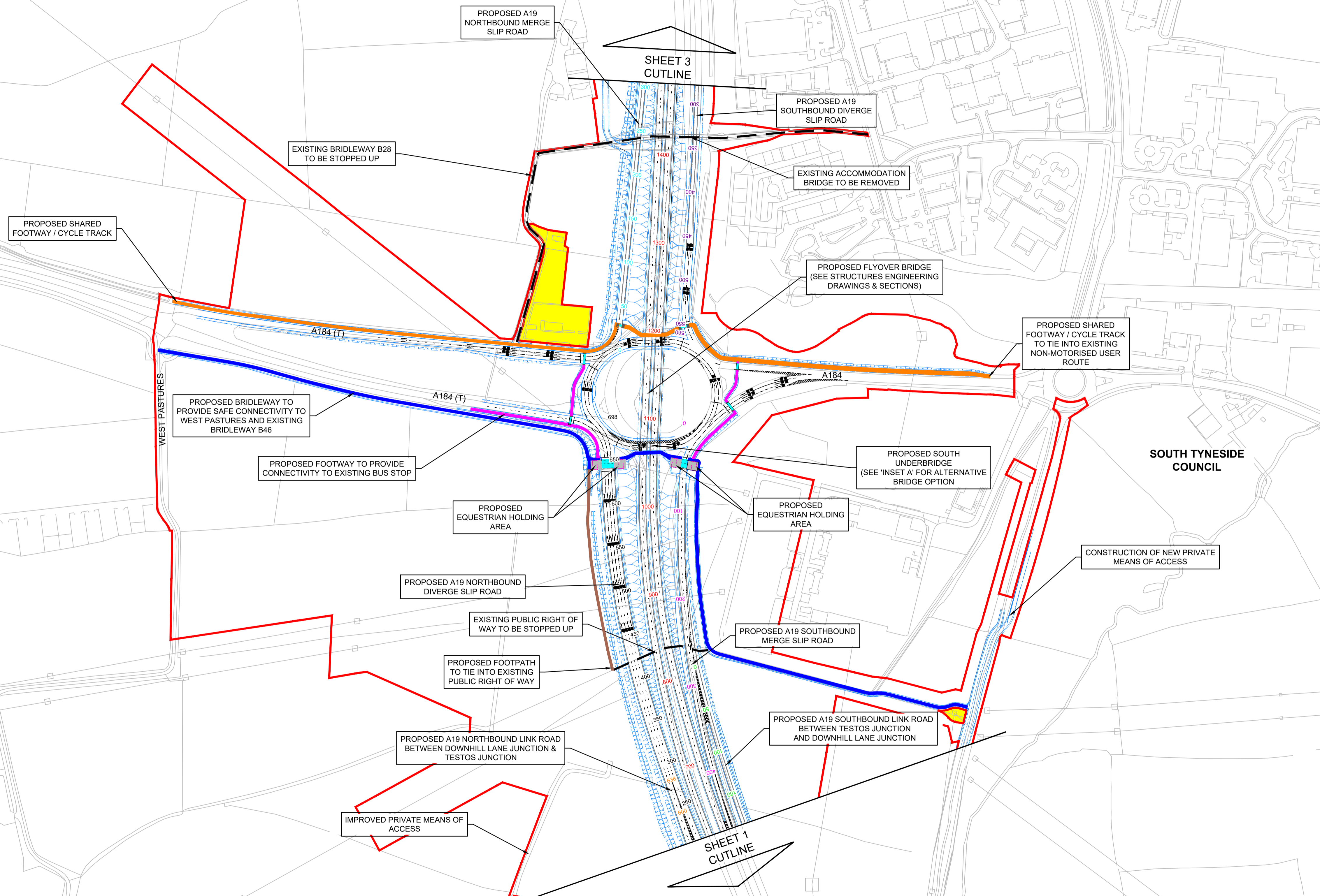
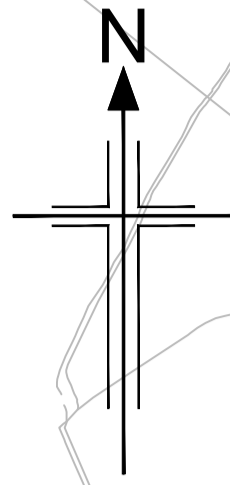
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Drawing number **TR010020/APP/23.1(B)** Rev **2**

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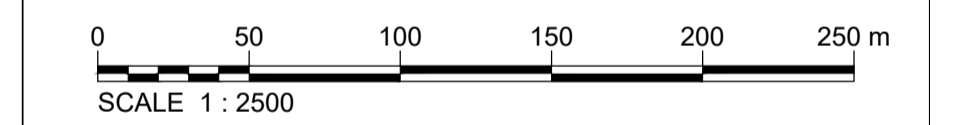


NOTES

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KEY

- The Design (shown for illustrative purposes)
- Limits of Land to be acquired or used permanently or temporarily
- Proposed Footway
- Proposed Footpath
- Proposed Bridleway
- Shared Footway / Cycle Track
- Area not included within the DCO boundary
- Proposed Controlled Crossing
- Proposed Equestrian Holding Area
- Public Right of Way to be stopped up



2	08/01/2019	DCO PLANS	MF	RA	RA	GW
1	22/05/2018	DCO DISCHARGE REQUIREMENTS	MF	RA	RA	GW
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Client

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Project
A19/A184 TESTOS JUNCTION IMPROVEMENT

Drawing title
Highway Engineering Drawings (General Arrangement) Regulation 5(2)(o) Sheet 2 of 3

Drawing status
DCO PLANS

Scale 1:2500 @ A1 DO NOT SCALE

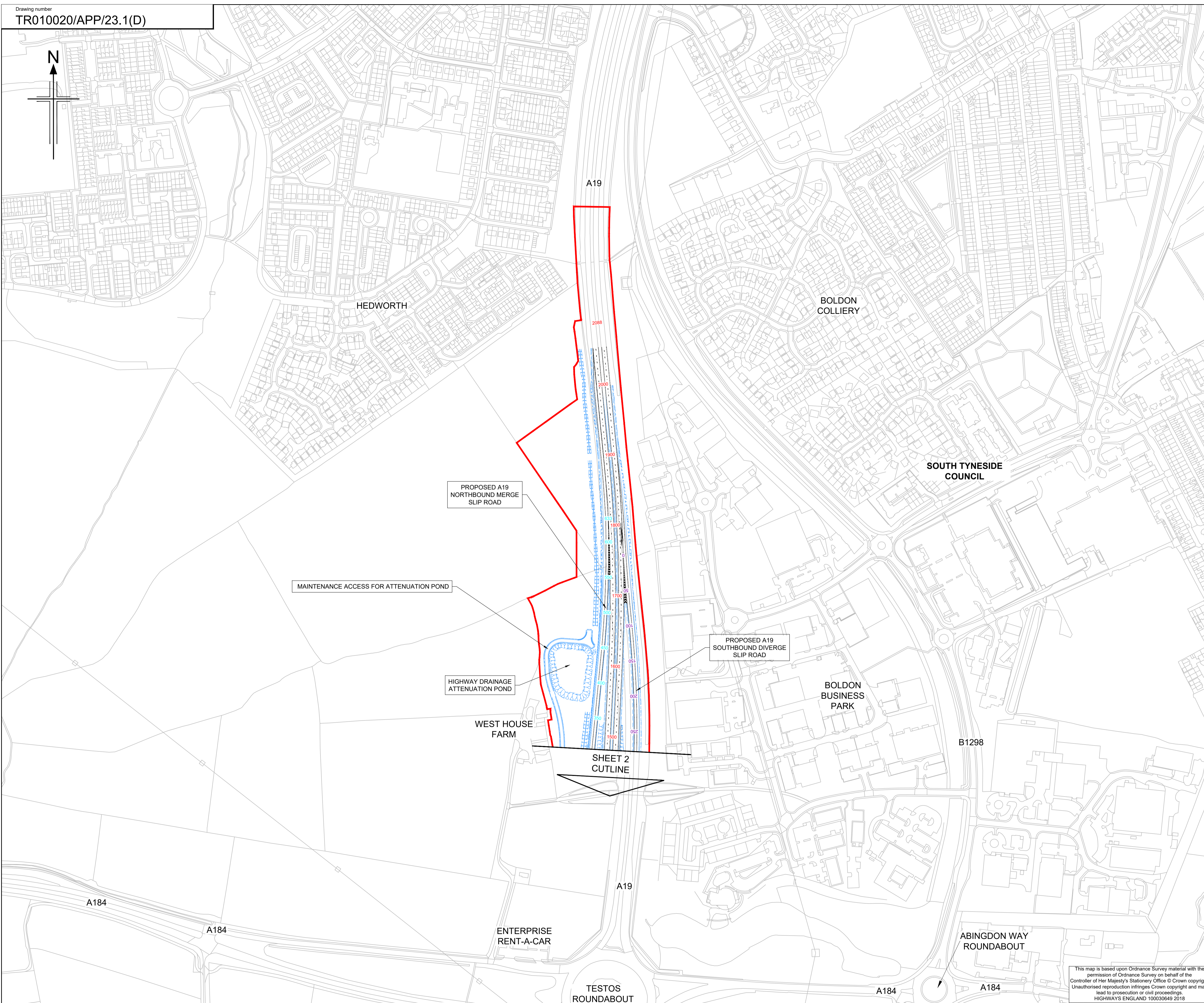
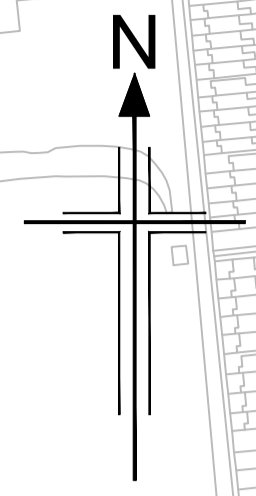
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Drawing number
TR010020/APP/23.1(C)

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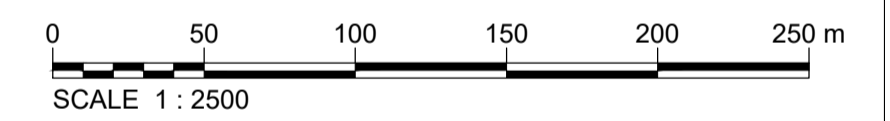


NOTES

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KEY

- The Design (shown for illustrative purposes)
- Limits of Land to be acquired or used permanently or temporarily



2	08/01/2019	DCO PLANS	MF	RA	RA	GW
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0	10/07/2017	APPLICATION ISSUE	MF	RA	RA	GW
Rev	Rev. Date	Purpose of revision	Drawn	Checked	Rev'd	Apprv'd

Client



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Project
A19/A184 TESTOS JUNCTION IMPROVEMENT

Drawing title
Highway Engineering Drawings (General Arrangement) Regulation 5(2)(o) Sheet 3 of 3

Drawing status
DCO PLANS

Scale
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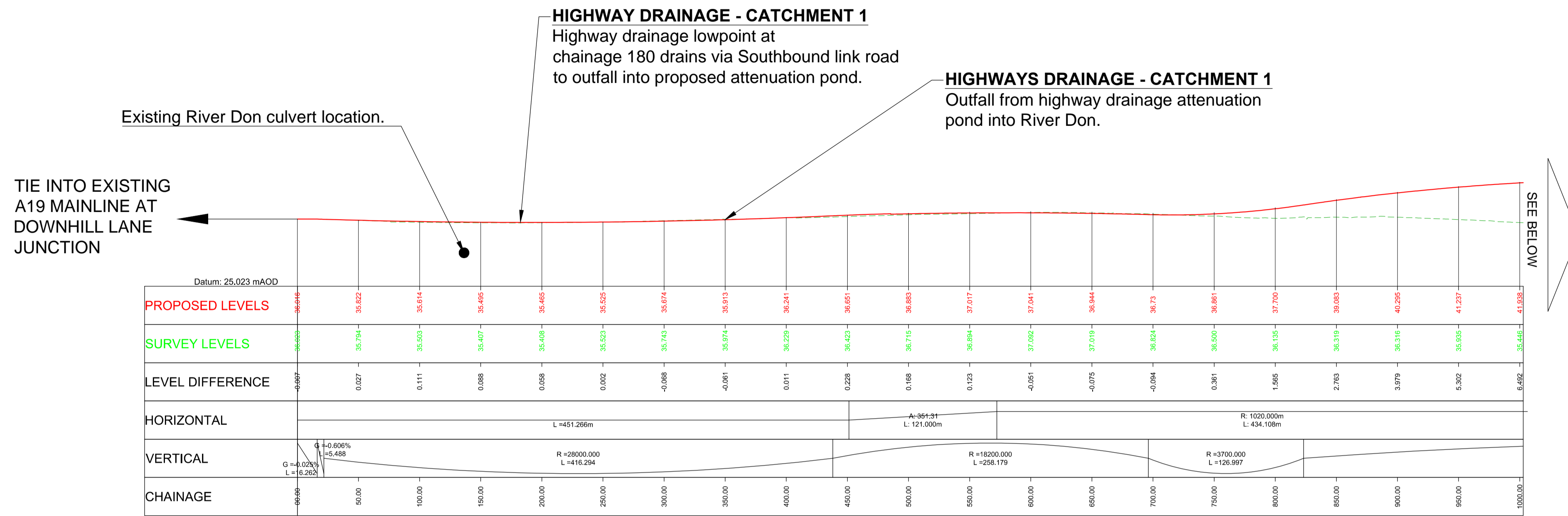
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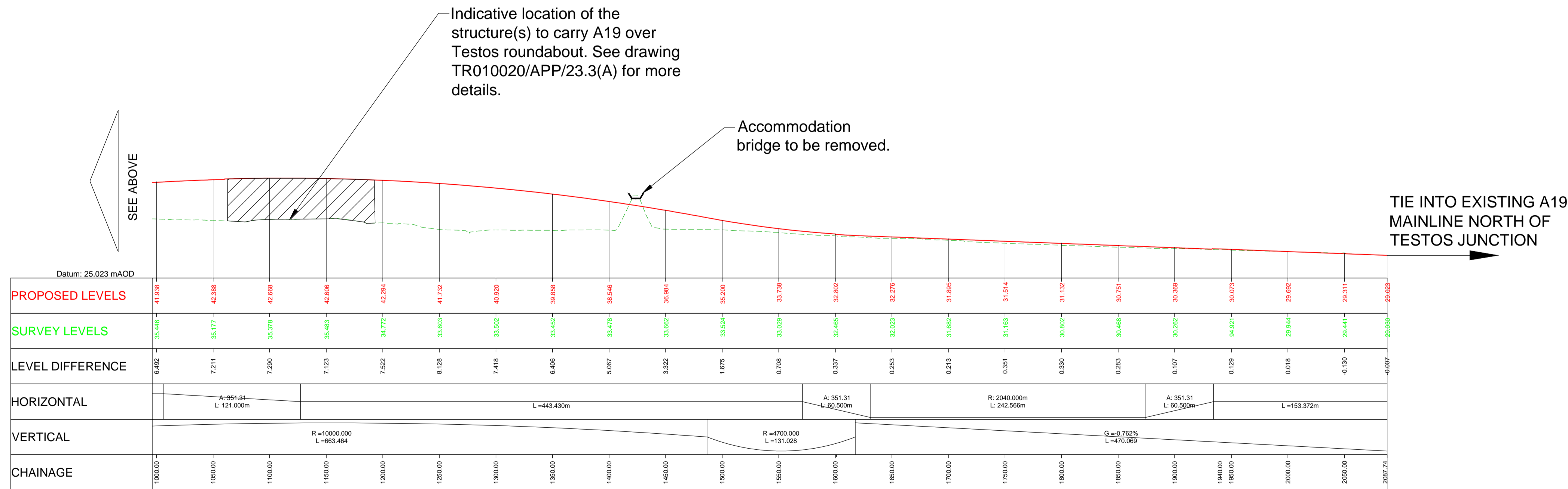
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TR010020/APP/23.1(D) Rev
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Scale - Horiz 1:2500 (A1), Vert 1:500 (A1)



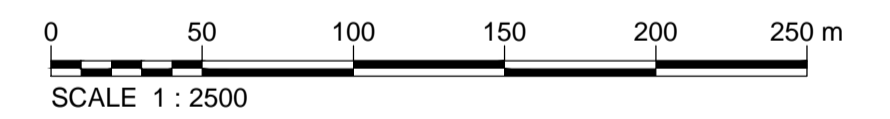
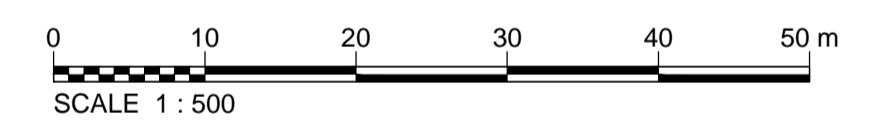
Design Speed 120kph
A19 (T) Mainline Chainage 1000 - 2087.74m
LONGITUDINAL SECTION
Scale - Horiz 1:2500 (A1), Vert 1:500 (A1)

NOTES

- All dimensions in metres unless stated otherwise.
- Engineering Section Drawings, Regulation 6(2) should be read in conjunction with General Arrangement Drawings (Document Reference TR010020APP23.1(A) to (D)).
- All structures and culvert locations are indicative.
- Plans to be read in conjunction with all other plans and documents included in the Development Consent Order application (Document Reference TR010020/APP/3.1).

KEY

- Proposed Levels
- Existing Levels



Rev	Rev. Date	Purpose of revision	MF	RA	RA	GW
0	10/07/2017	APPLICATION ISSUE				

Client

Designer

Contractor

Project
A19/A184 TESTOS JUNCTION IMPROVEMENT

Drawing title
Engineering Sections (Long Sections) Regulation 6(2) Sheet 1 of 4

Drawing status
DCO SUBMISSION

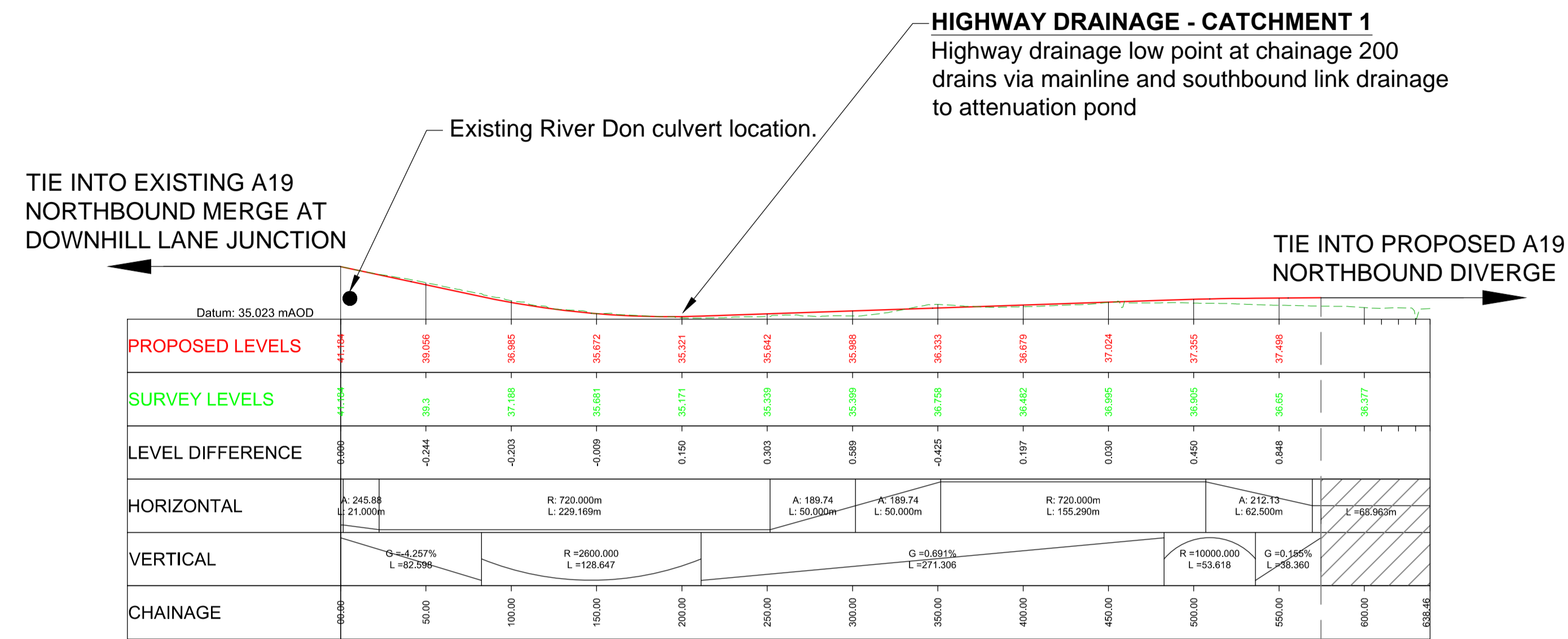
Scale
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Jacobs No.
B0140301

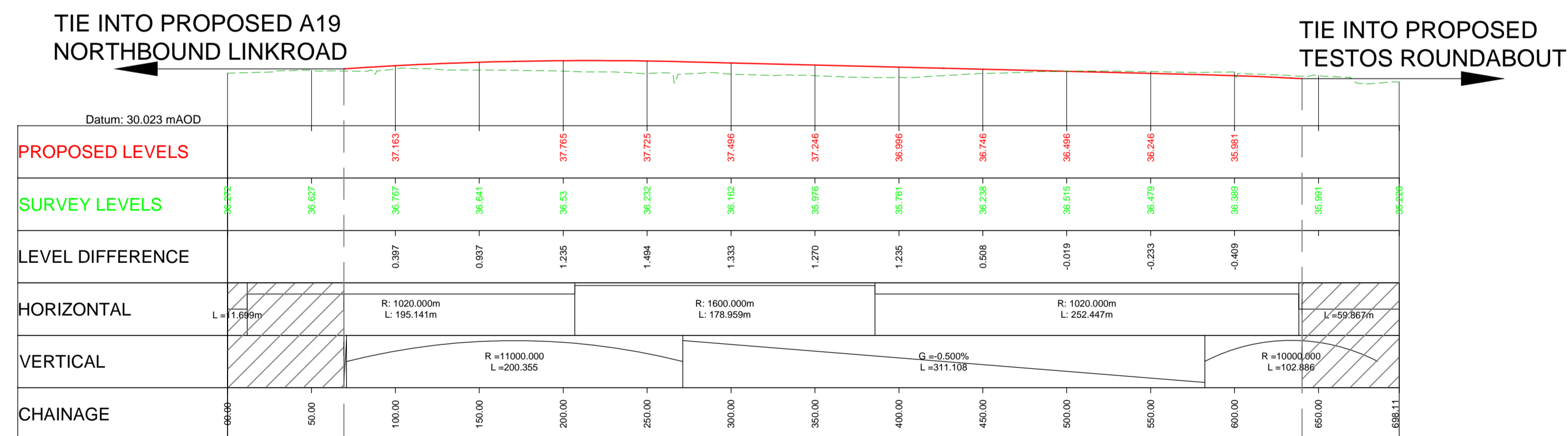
Drawing number
TR010020/APP/23.2(A)

Rev
0

This drawing is not to be used in whole or part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.



Design Speed 100kph
A19 (T) Northbound Linkroad Chainage 0 to 638.46m
LONGITUDINAL SECTION
Scale - Horiz 1:2500 (A1), Vert 1:500(A1)



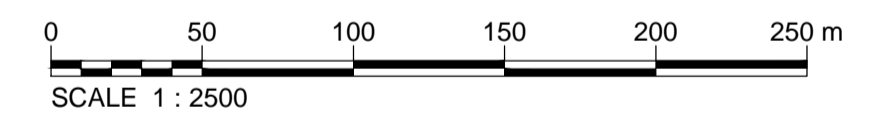
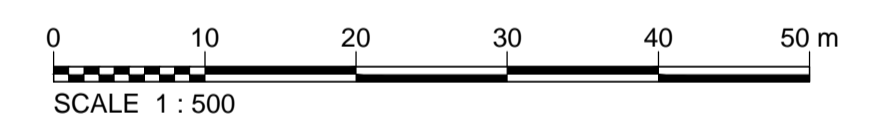
Design Speed 70kph
A19 (T) Northbound Diverge Chainage 0 to 698.11m
LONGITUDINAL SECTION
Scale - Horiz 1:2500 (A1), Vert 1:500(A1)

NOTES

- All dimensions in metres unless stated otherwise.
- Engineering Section Drawings, Regulation 6(2) should be read in conjunction with General Arrangement Drawings (Document Reference TR010020APP23.1(A) to (D)).
- All structures and culvert locations are indicative.
- Plans to be read in conjunction with all other plans and documents included in the Development Consent Order application (Document Reference TR010020/APP/3.1).

KEY

- Proposed Levels
- Existing Levels



Rev	Rev. Date	Purpose of revision	Drawn	Checked	Rev'd	Apprv'd
0	10/07/2017	APPLICATION ISSUE	MF	RA	RA	GW



Project
A19/A184 TESTOS JUNCTION IMPROVEMENT

Drawing title
Engineering Sections (Long Sections) Regulation 6(2) Sheet 2 of 4

Drawing status
DCO SUBMISSION

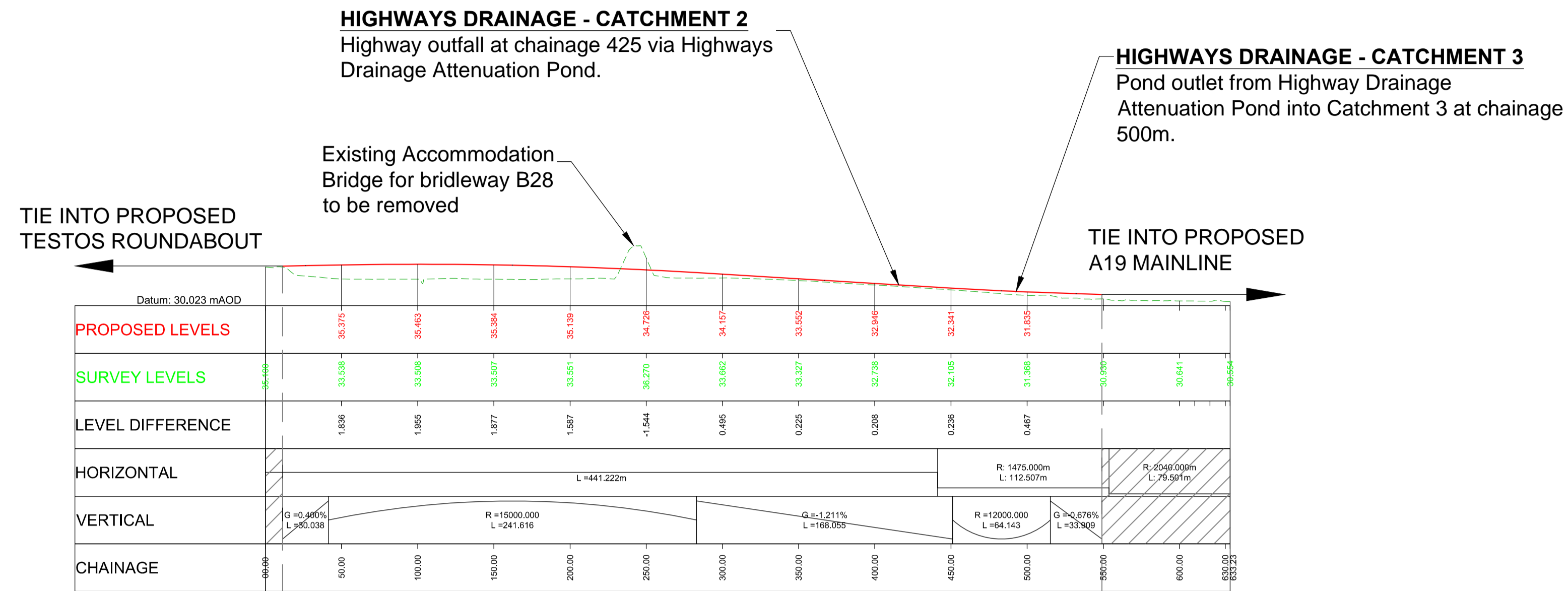
Scale
AS SHOWN @ A1 DO NOT SCALE

Jacobs No.
B0140300

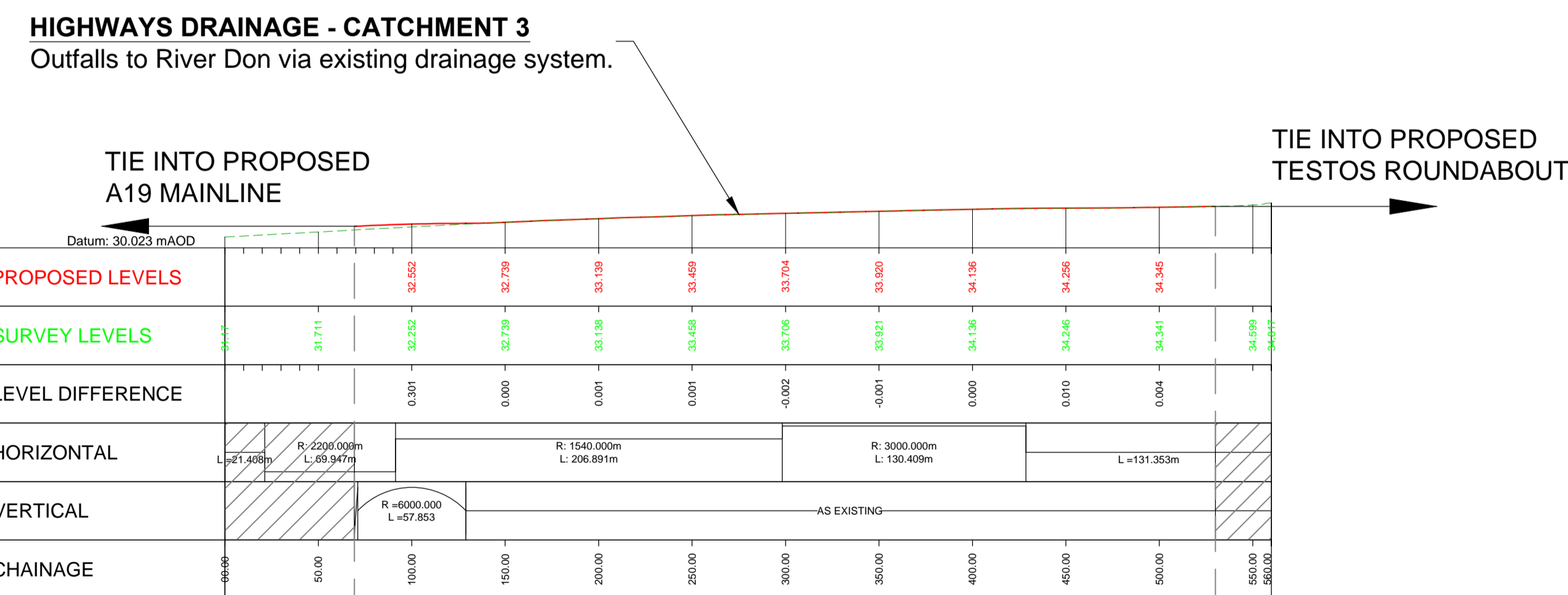
Drawing number
TR010020/APP/23.2(B)

Rev
0

This drawing is not to be used in whole or part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.



Design Speed 70kph
A19 (T) Northbound Merge Chainage 0 to 633.23m
LONGITUDINAL SECTION
Scale - Horiz 1:2500 (A1), Vert 1:500(A1)



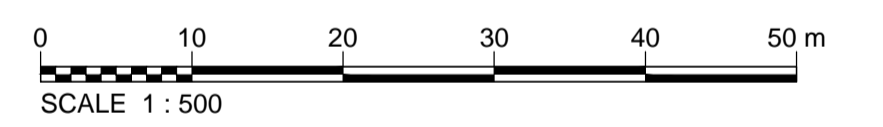
Design Speed 70kph
A19 (T) Southbound Diverge Chainage 0 to 560m
LONGITUDINAL SECTION
Scale - Horiz 1:2500 (A1), Vert 1:500 (A1)

NOTES

1. All dimensions in metres unless stated otherwise.
2. Engineering Section Drawings, Regulation 6(2) should be read in conjunction with General Arrangement Drawings (Document Reference TR010020APP23.1(A) to (D)).
3. All structures and culvert locations are indicative.
4. Plans to be read in conjunction with all other plans and documents included in the Development Consent Order application (Document Reference TR010020/APP/3/1).

KEY

- Proposed Levels
- - - Existing Levels



0	10/07/2017	APPLICATION ISSUE	MF	RA	RA	GW
Rev	Rev. Date	Purpose of revision	Drawn	Checked	Rev'd	Apprv'd



Project
A19/A184 TESTOS JUNCTION IMPROVEMENT

Drawing title
Engineering Sections (Long Sections) Regulation 6(2) Sheet 3 of 4

Drawing status
DCO SUBMISSION

Scale
AS SHOWN @ A1 DO NOT SCALE

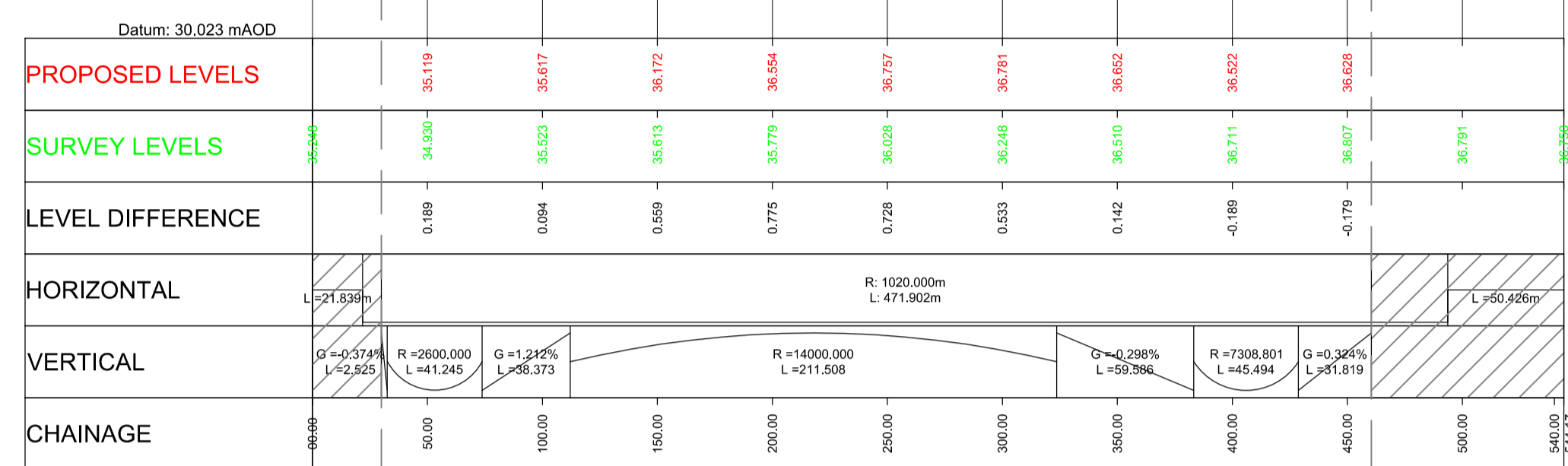
Jacobs No.
B0140300

Drawing number
TR010020/APP/23.2(C)

Rev
0

This drawing is not to be used in whole or part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

TIE INTO PROPOSED TESTOS ROUNDABOUT
TIE INTO PROPOSED A19 MAINLINE AT DOWNHILL LANE JUNCTION



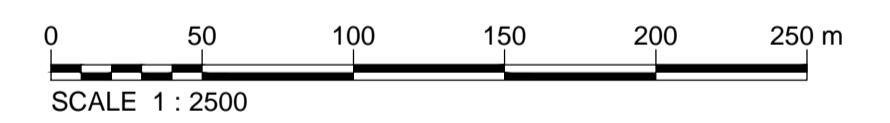
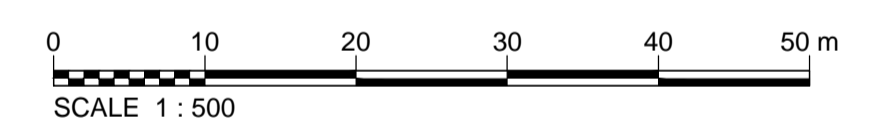
Design Speed 70kph
A19 (T) Southbound Merge Chainage 0 to 544.17m
LONGITUDINAL SECTION
Scale - Horiz 1:2500 (A1), Vert 1:500(A1)

NOTES

- All dimensions in metres unless stated otherwise.
- Engineering Section Drawings, Regulation 6(2) should be read in conjunction with General Arrangement Drawings (Document Reference TR010020APP23.1(A) to (D)).
- All structures and culvert locations are indicative.
- Plans to be read in conjunction with all other plans and documents included in the Development Consent Order application (Document Reference TR010020/APP/3/1).

KEY

- Proposed Levels
- Existing Levels



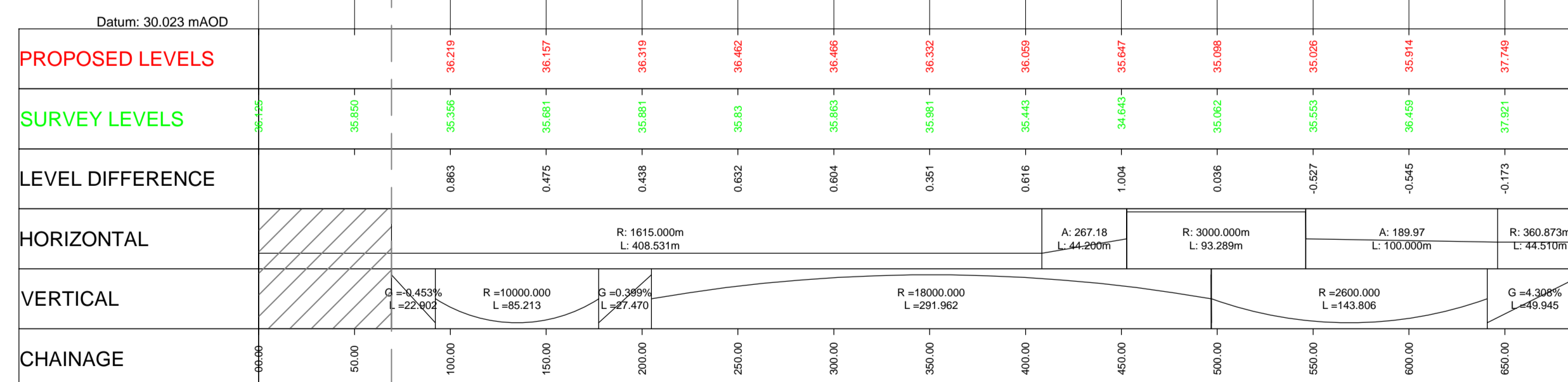
HIGHWAY DRAINAGE - CATCHMENT 1
Highway drainage low point at chainage 530. Drains into River Don via Highways Drainage Attenuation Pond.

HIGHWAY DRAINAGE - CATCHMENT 1
Outfall at chainage 460. Drains into River Don.

TIE INTO PROPOSED A19 SOUTHBOUND MERGE

TIE INTO EXISTING A19 SOUTHBOUND DIVERGE AT DOWNHILL LANE JUNCTION

Existing River Don culvert location.



Design Speed 100kph
A19 (T) Southbound Linkroad Chainage 0 to 690.73
LONGITUDINAL SECTION
Scale - Horiz 1:2500 (A1), Vert 1:500 (A1)

Rev	Rev. Date	Purpose of revision	MF	RA	RA	GW
0	10/07/2017	APPLICATION ISSUE				

Client: **highways england**

Designer: **JACOBS** Contractor: **COSTAIN**

Project: **A19/A184 TESTOS JUNCTION IMPROVEMENT**

Drawing title: **Engineering Sections (Long Sections) Regulation 6(2) Sheet 4 of 4**

Drawing status: **DCO SUBMISSION**

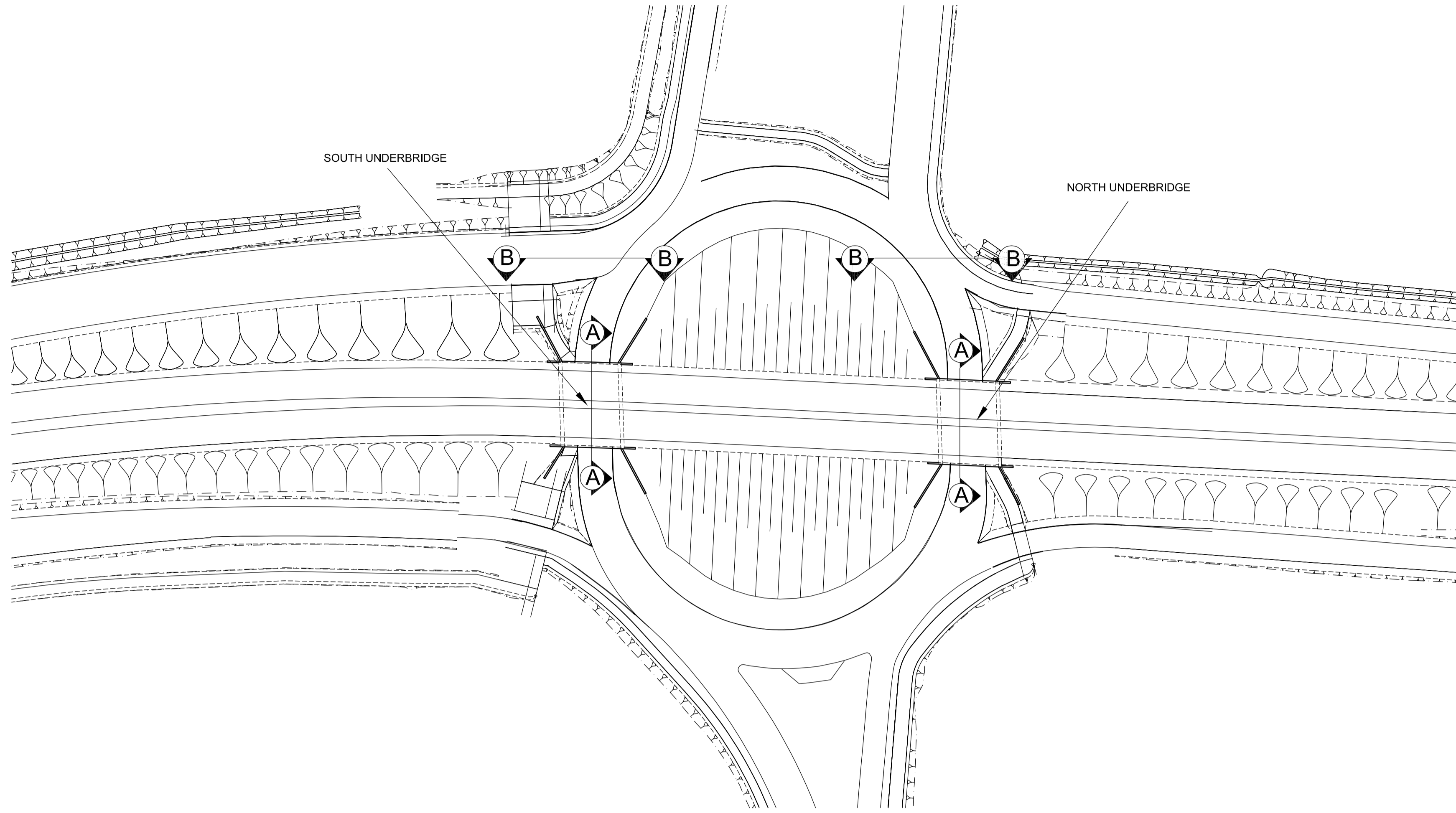
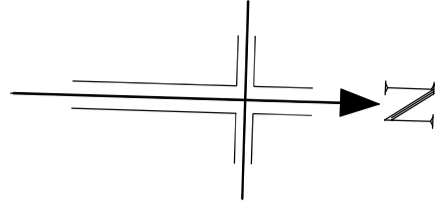
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Jacobs No.: **B0140300**

Client no.:

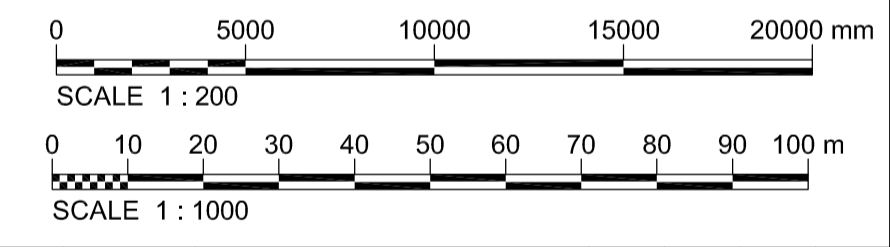
Drawing number: **TR010020/APP/23.2(D)** Rev: **0**

This drawing is not to be used in whole or part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.



PLAN OF TESTOS UNDERBRIDGES
Scale 1:1000

- NOTES**
- All dimensions are in millimetres unless noted otherwise.
 - All levels and chainages are in metres unless noted otherwise.
 - At detailed design stage, the method for crossing the Testos junction will be decided. Two options are under consideration: an embankment with two underbridges shown in drawing TR010020/APP/23.3(A), and a flyover bridge option shown in drawing TR010020/APP/23.3(B).
 - Structures Engineering Drawings & Sections, Regulations 5(2)(o) and 6(2) should be read in conjunction with General Arrangement Drawings (Document Reference TR010020/APP/23.1(A) to (D)).
 - Plans to be read in conjunction with all other plans and documents included in the Development Consent Order application (Document Reference TR010020/APP/3.1).



Rev	Rev. Date	Purpose of revision	Drawn	Checked	Rev'd	Appr'd
0	10/07/2017	APPLICATION ISSUE				

Client

Designer

Contractor

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Project
A19/A184 TESTOS JUNCTION IMPROVEMENT

Drawing title
Structures Engineering Drawings & Sections Regulations 5(2)(o) and 6(2) Testos North/South Underbridges Option

Drawing status
DCO SUBMISSION

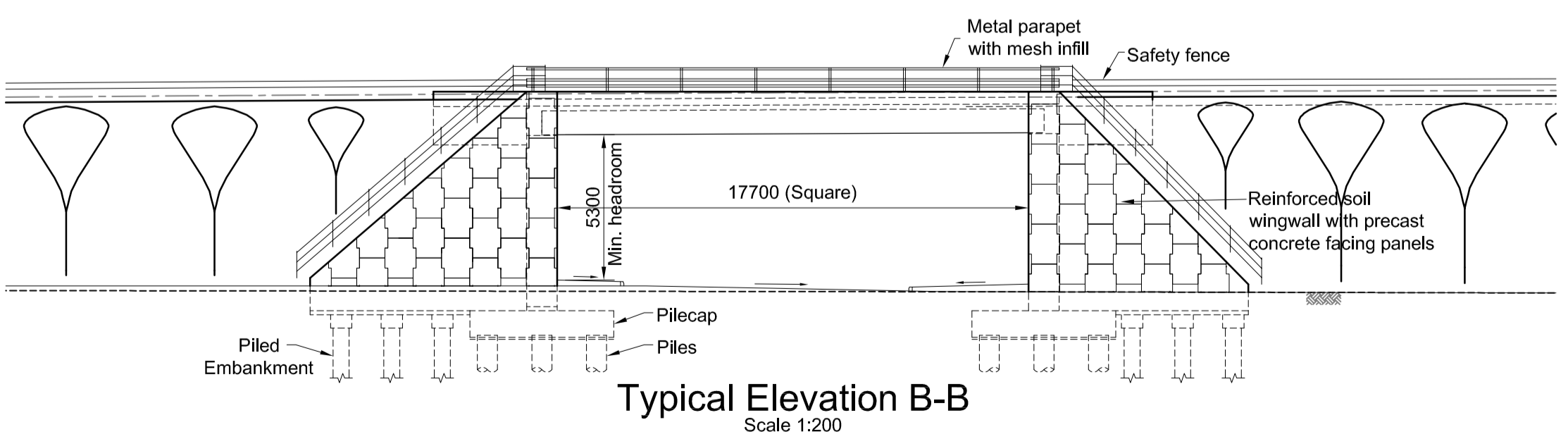
Scale
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Jacobs No. B0140300

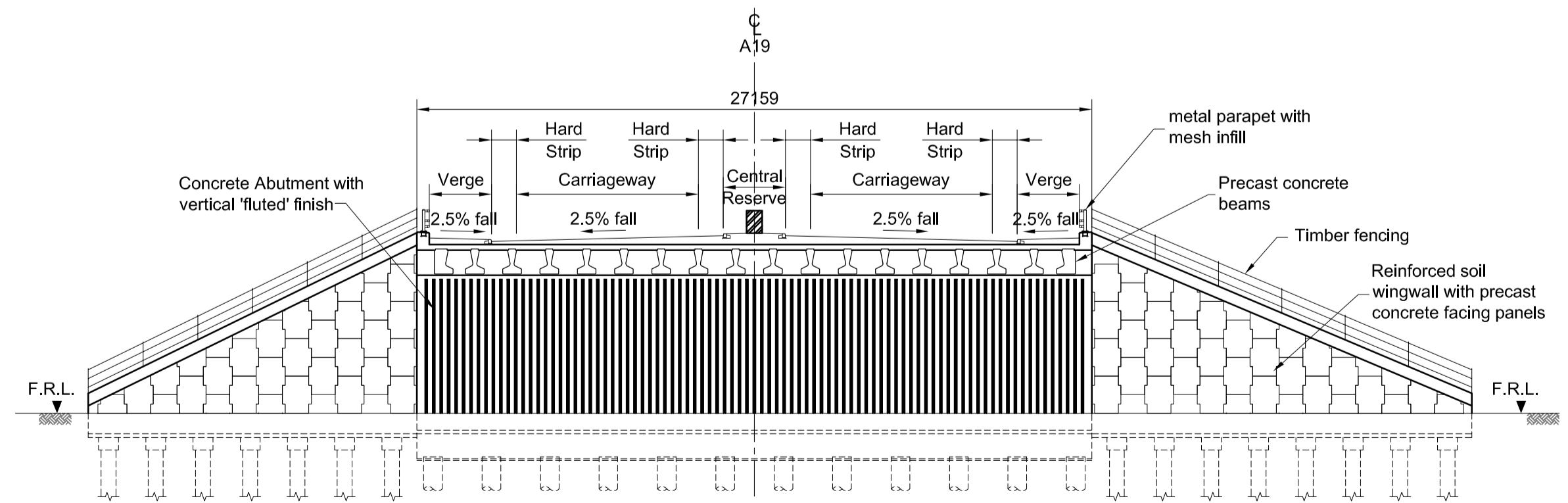
Drawing number
TR010020/APP/23.3(A)

Rev
0

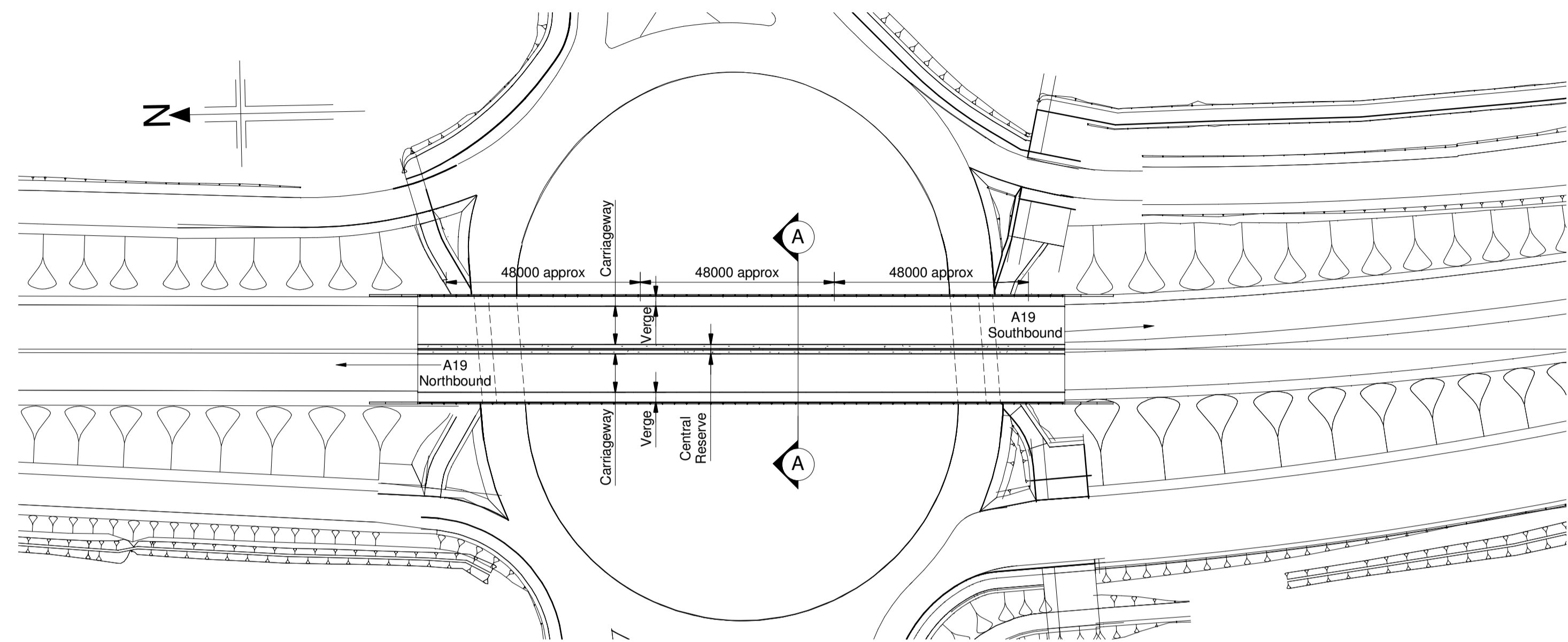
This drawing is not to be used in whole or part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.



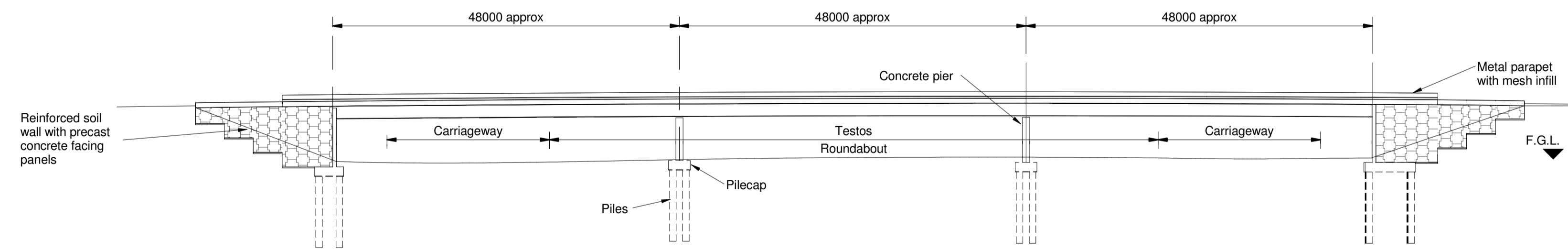
Typical Elevation B-B
Scale 1:200



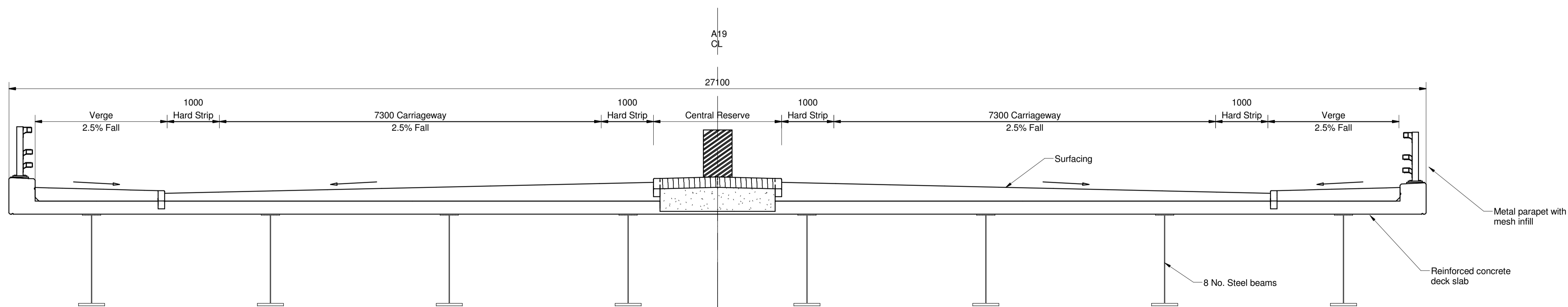
Typical Cross Section A-A
Scale 1:200



PLAN OF TESTOS FLYOVER BRIDGE
SCALE 1 : 1000



ELEVATION
SCALE 1 : 500



CROSS SECTION A-A
SCALE 1 : 50

- NOTES:**
- All dimensions are in millimetres unless noted otherwise.
 - All levels and chainages are in metres unless noted otherwise.
 - At detailed design stage, the method for crossing the Testos junction will be decided. Two options are under consideration: an embankment with two underbridges shown in drawing TR010020/APP/23.3(A), and a Flyover Bridge option shown in drawing TR010020/APP/23.3(B).
 - Structures Engineering Section Drawings & Sections, Regulations 5(2)(o) and 6(2) should be read in conjunction with General Arrangement Drawings (Document Reference TR010020/APP/23.1(A) to (D)).
 - Plans to be read in conjunction with all other plans and documents included in the Development Consent Order application (Document Reference TR010020/APP/3.1).

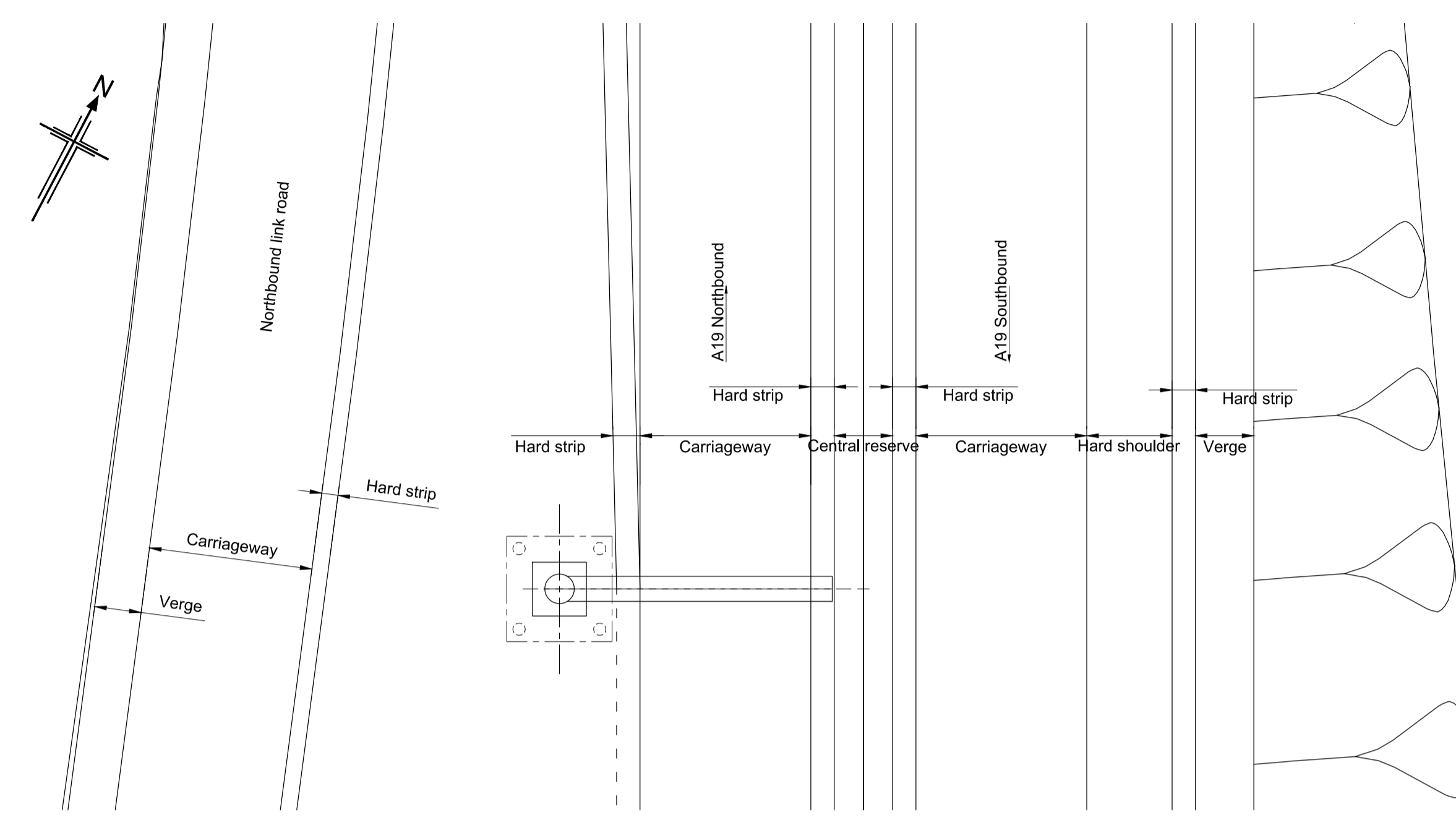
0	10/07/17	APPLICATION ISSUE	AK	AD	GS	GW
Rev	Rev Date	Purpose of revision	Drawn	Checked	Reviewed	Approved
Client						
Project						
Project A19/A184 TESTOS JUNCTION IMPROVEMENT						
Drawing title						
Structures Engineering Drawings & Sections Regulations 5(2)(o) and 6(2) Testos Flyover Bridge Option						
Drawing Status						
DCO SUBMISSION						
Scale						
As indicated @ A1 DO NOT SCALE						
Jacobs Project No.						
B0140300						
Drawing Number						
TR010020/APP/23.3(B)						
Rev						
0						

This drawing is not to be used in whole or part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

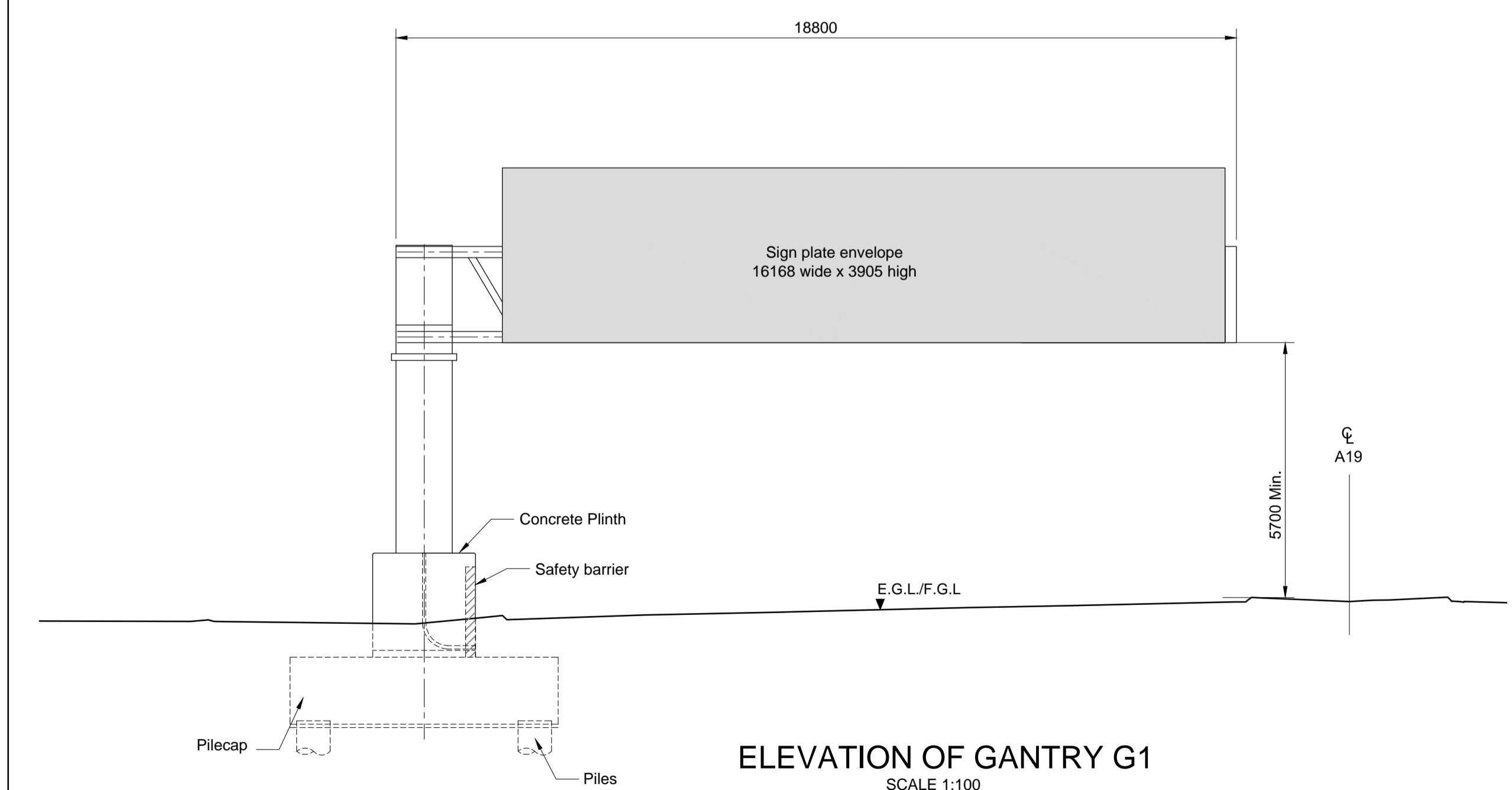
- NOTES**
- All dimensions are in millimetres unless noted otherwise.
 - All levels and chainages are in metres unless noted otherwise.
 - Structures Engineering Drawings & Sections, Regulations 5(2)(o) and 6(2) should be read in conjunction with General Arrangement Drawings (Document Reference TR010020/APP/23.1(A) to (D)).
 - Plans to be read in conjunction with all other plans and documents included in the Development Consent Order application (Document Reference TR010020/APP/3.1).



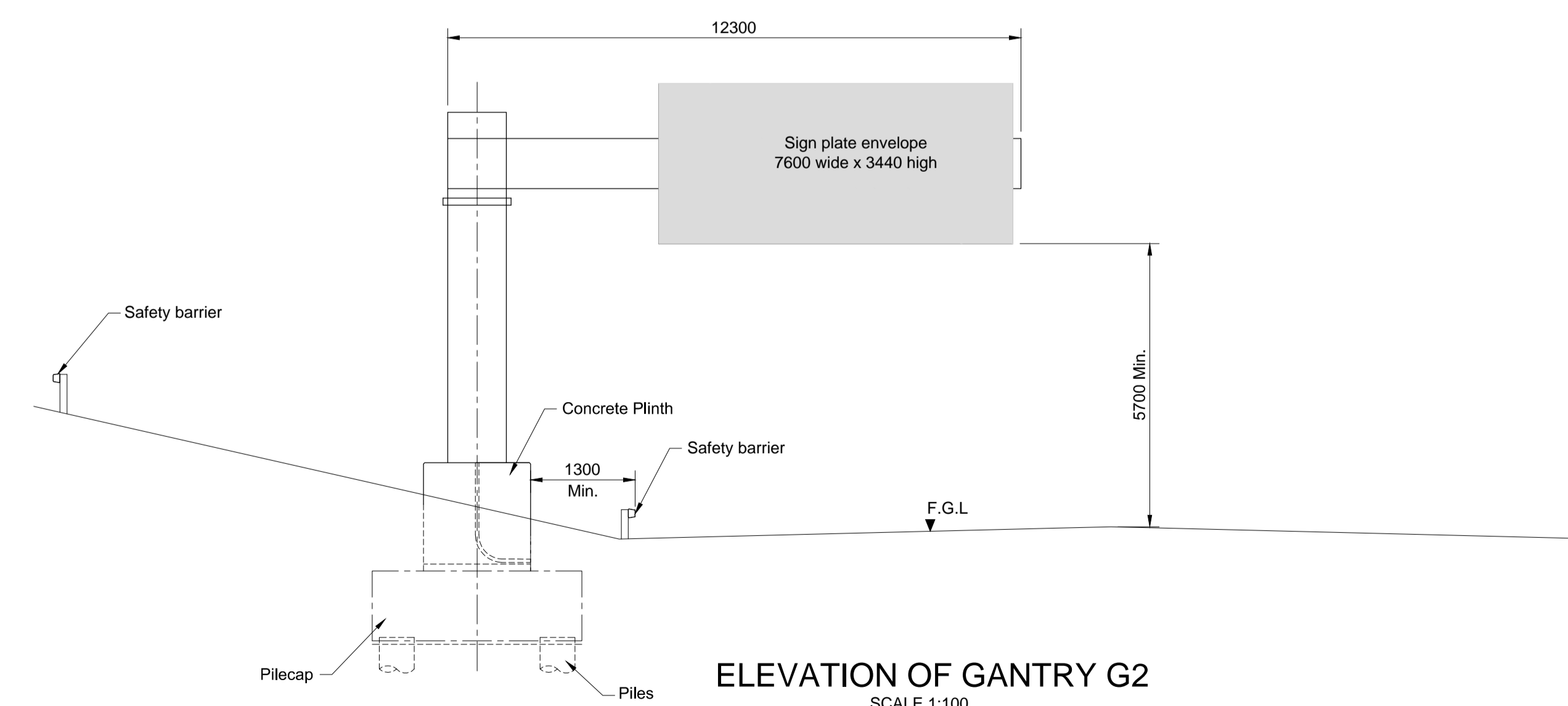
PLAN OF GANTRY G1
SCALE 1:200



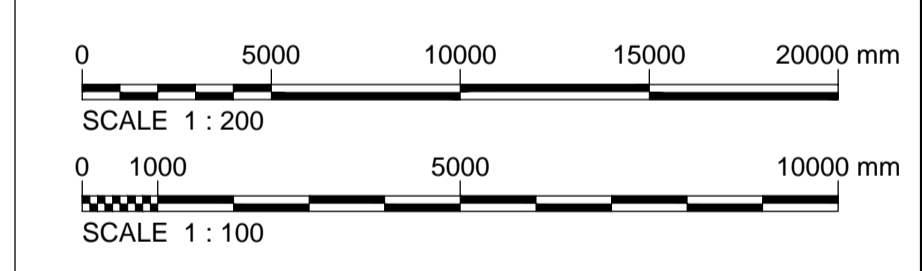
PLAN OF GANTRY G2
SCALE 1:200



ELEVATION OF GANTRY G1
SCALE 1:100



ELEVATION OF GANTRY G2
SCALE 1:100



0	10/07/2017	APPLICATION ISSUE	AK	AD	GS	GW
Rev	Rev. Date	Purpose of revision	Drawn	Checked	Rev'd	Apprv'd

Client

Designer

Contractor

1 City Walk, Leeds, LS11 3DX
Tel:+44(0)113 242 6771 Fax:+44(0)113 389 1389
www.jacobs.com

Project
A19/A184 TESTOS JUNCTION IMPROVEMENT

Drawing title
Structures Engineering Drawings & Sections Regulations 5(2)(o) and 6(2) Gantries G1 & G2

Drawing status
DCO SUBMISSION

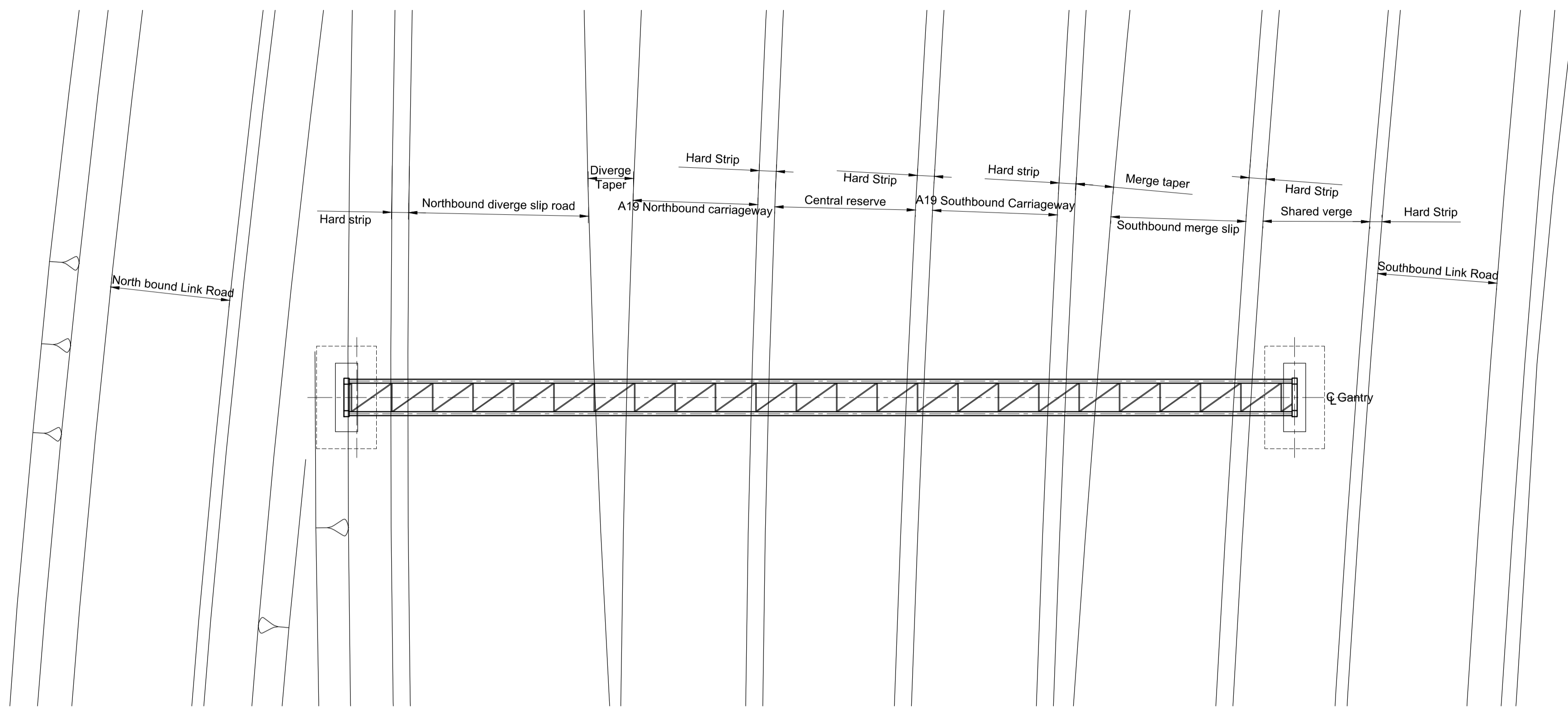
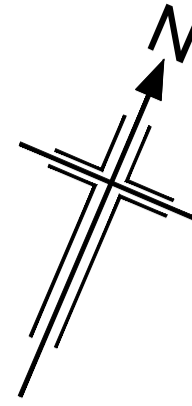
Scale
As shown @ A1 DO NOT SCALE

Jacobs No.
B0140300

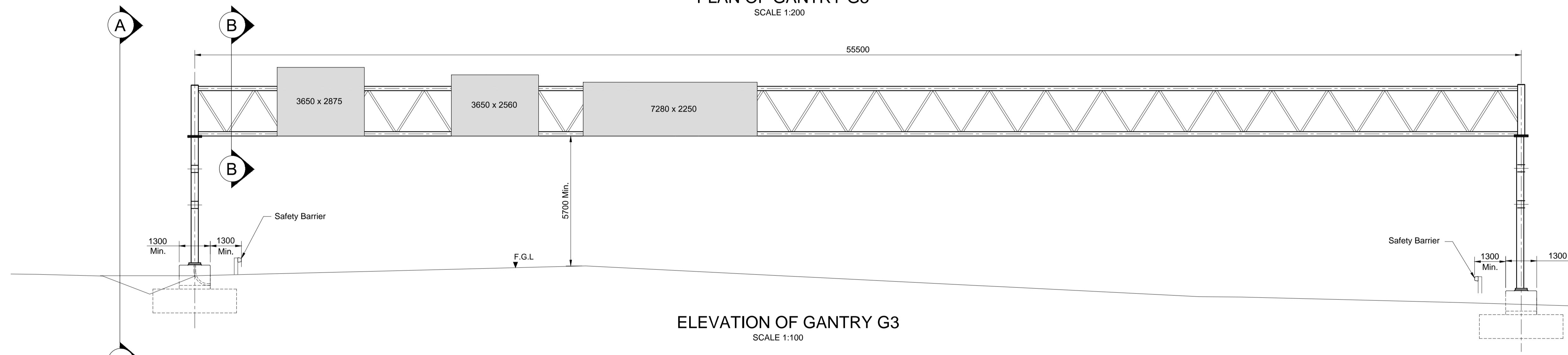
Drawing number
TR010020/APP/23.3(C)

Rev
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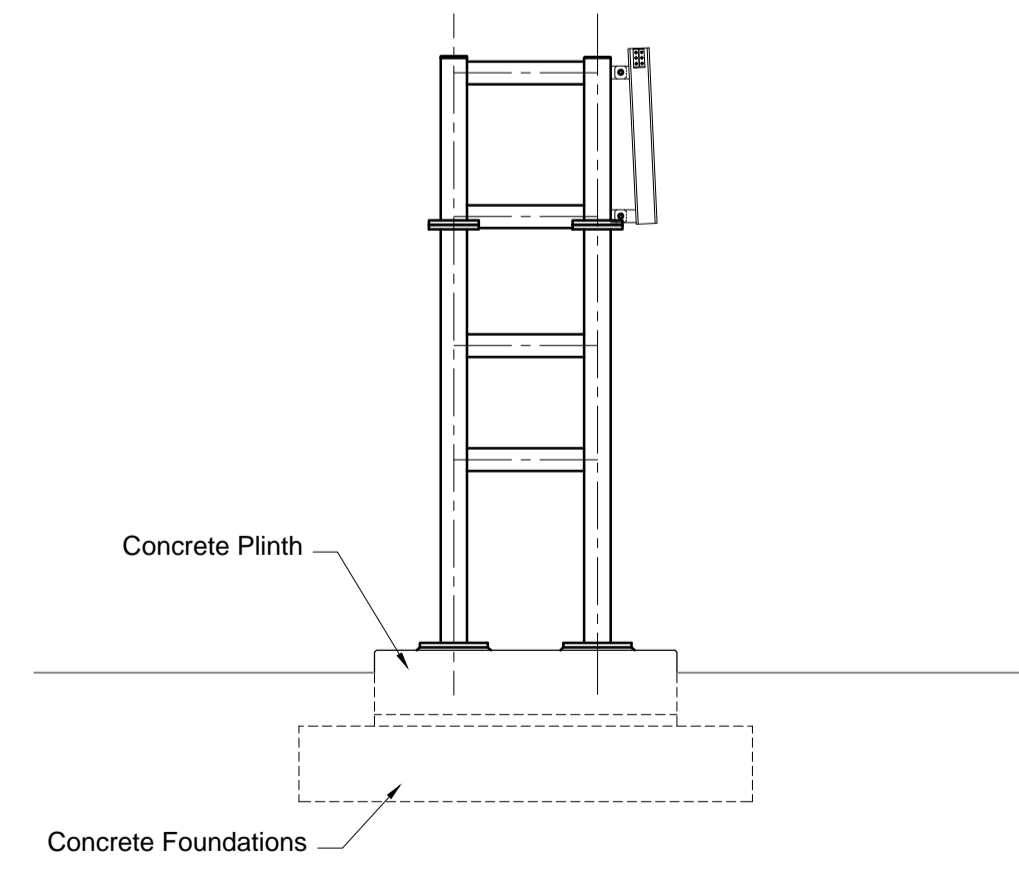
This drawing is not to be used in whole or part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.



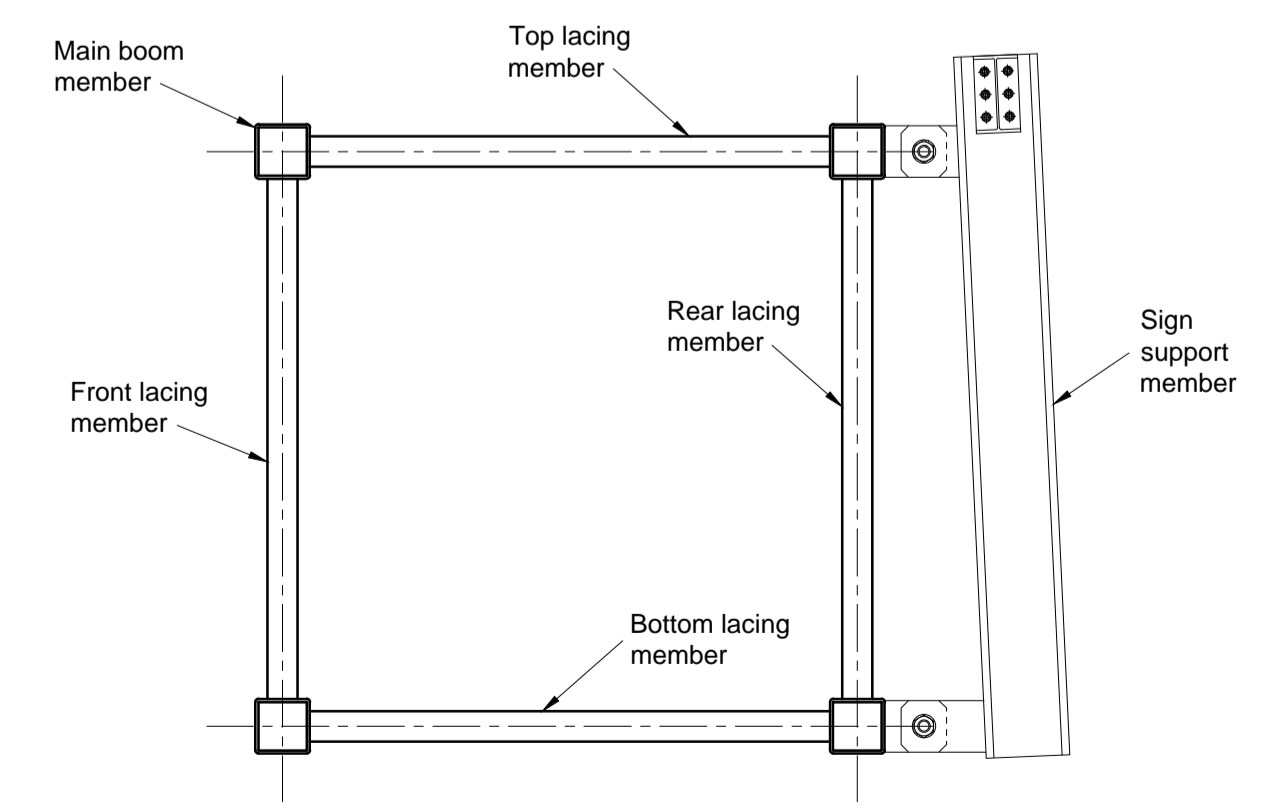
PLAN OF GANTRY G3
SCALE 1:200



ELEVATION OF GANTRY G3
SCALE 1:100

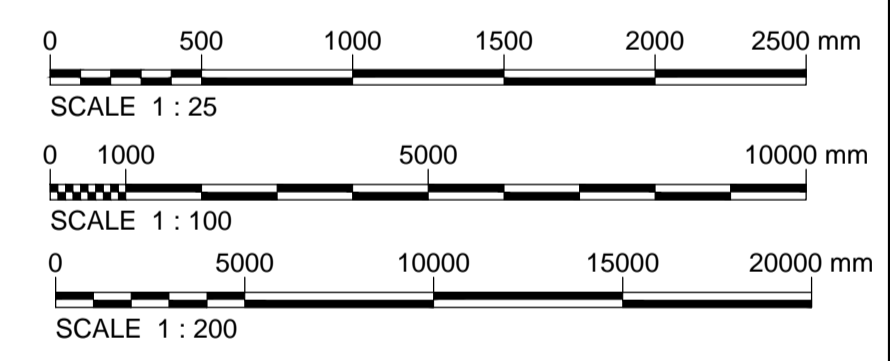


ELEVATION A-A
SCALE 1:100



TYPICAL CROSS SECTION B-B
SCALE 1:25

- NOTES
1. All dimensions are in millimetres unless noted otherwise.
 2. All levels and chainages are in metres unless noted otherwise.
 3. Structures Engineering Drawings & Sections, Regulations 5(2)(o) and 6(2) should be read in conjunction with General Arrangement Drawings (Document Reference TR010020/APP/23.1(A) to (D)).
 4. Plans to be read in conjunction with all other plans and documents included in the Development Consent Order application (Document Reference TR010020/APP/3.1).



Rev	Rev. Date	Purpose of revision	Drawn	Checked	Rev'd	Appr'd
0	10/07/2017	APPLICATION ISSUE	AK	AD	GS	GW

Client
highways england

Designer
JACOBS

Contractor
COSTAIN

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Tel:+44(0)113 242 6771 Fax:+44(0)113 389 1389
www.jacobs.com

Project
A19/A184 TESTOS JUNCTION IMPROVEMENT

Drawing title
Structures Engineering Drawings & Sections Regulations 5(2)(o) and 6(2) Gantry G3

Drawing status
DCO SUBMISSION

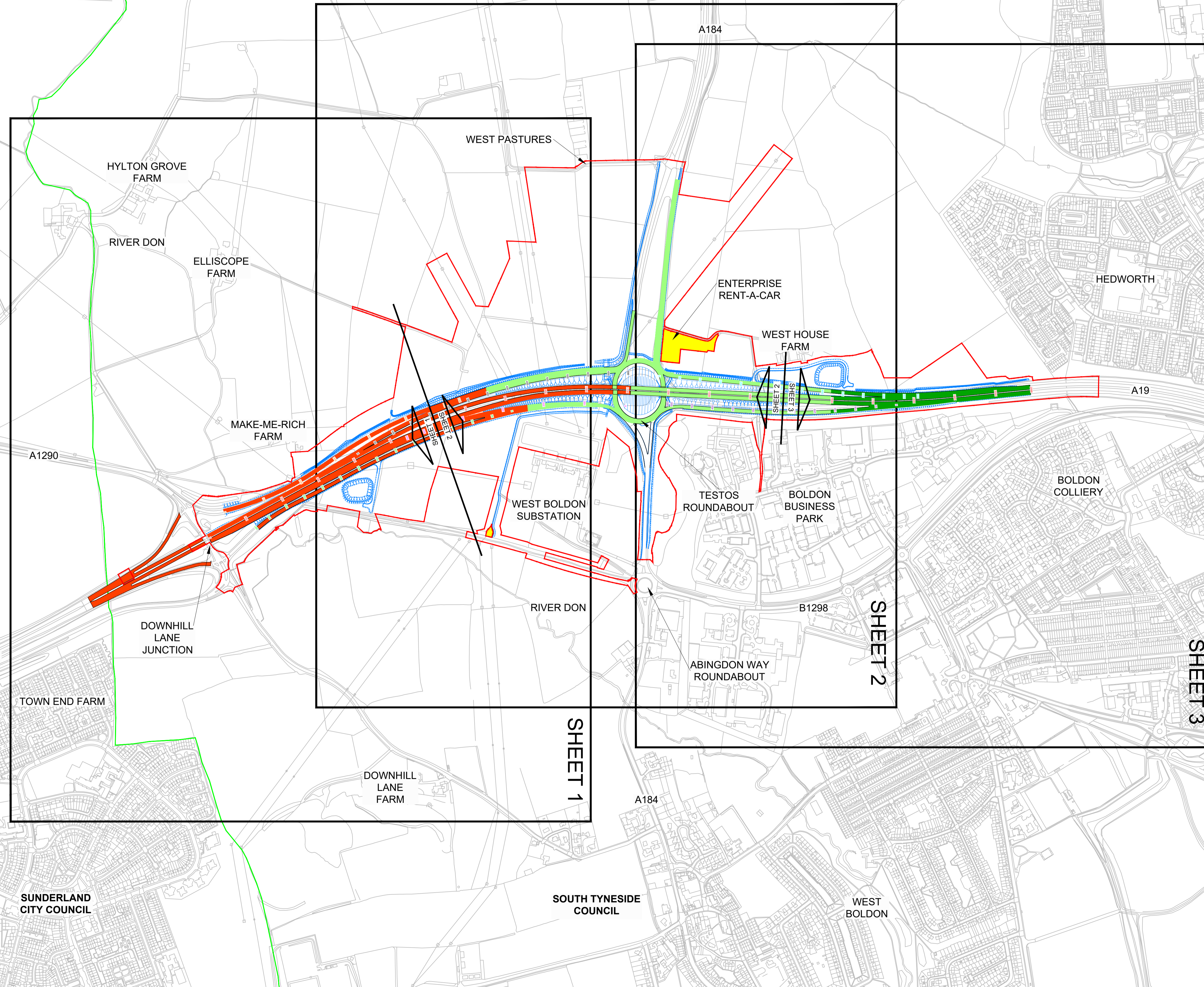
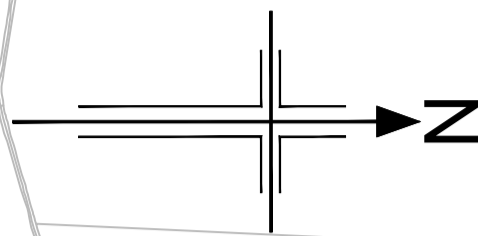
Scale
As shown @ A1 DO NOT SCALE

Jacobs No.
B0140300

Drawing number
TR010020/APP/23.3(D)

Rev
0

This drawing is not to be used in whole or part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

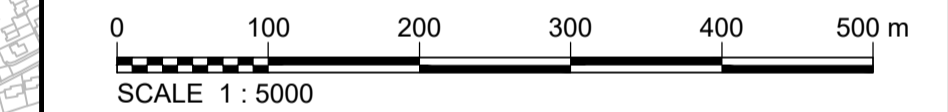


NOTES

- All dimensions are in metres unless stated otherwise.
- The proposed works will be subject to detailed design development. The changes will be within limits of deviation specified in the Development Consent Order (Document Reference TR010020/APP/3.1).
- General arrangement plans TR010020/APP/23.4(B) to 23.4(D) are to be used as location reference for sheet sets as identified on drawing TR010020/APP/23.4(A).
- Runoff from Catchment 1 will be attenuated by Attenuation Pond 1 before discharging into the River Don.
- Runoff from Catchment 2 will be attenuated by Attenuation Pond 2 before discharging into Catchment 3. This ensures that flows into the existing network does not exceed the current situation.
- The proposed ponds will be designed with an isolation system in order that contaminants may be contained in the event of a pollution incident.
- These Drainage Engineering Drawings (General Arrangement) should be read in conjunction with application document 7.5 of the A19 Downhill Lane Junction Improvement DCO application (document reference TR010024/APP/7.5).

KEY

- Proposed Catchment 1
- Proposed Catchment 2
- Proposed Catchment 3
- The Design (shown for illustrative purposes)
- Limits of Land to be acquired or used permanently or temporarily
- Local Authority Boundary
- Area not included within the DCO boundary



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2	07/01/2019	DCO PLANS	MF	EW	RA	GW
1	22/05/2018	DCO DISCHARGE REQUIREMENTS	MF	EW	RA	GW
0	10/07/2017	APPLICATION ISSUE	MF	EW	RA	GW
Rev	Rev. Date	Purpose of revision	Drawn	Checked	Rev'd	Appr'd

Client

Designer **JACOBS** Contractor **COSTAIN**

1 City Walk, Leeds, LS1 1 9DX
Tel: +44(0)113 242 6771 Fax: +44(0)113 389 1389
www.jacobs.com

Project **A19 / A184 TESTO'S JUNCTION IMPROVEMENT**

Drawing title
Drainage Engineering Drawings (General Arrangement) Regulations 5(2)(o) & 5(4) Key Plan

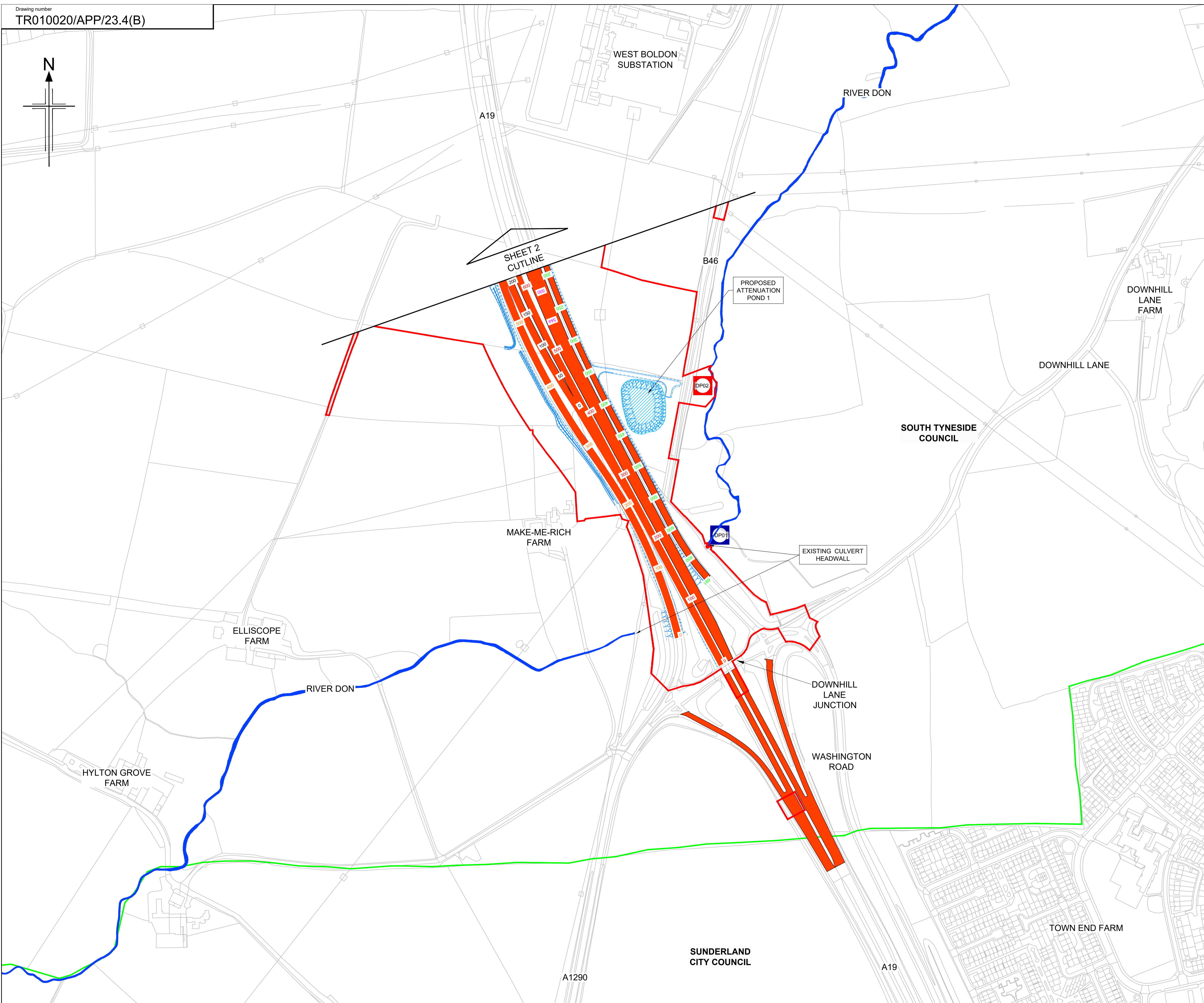
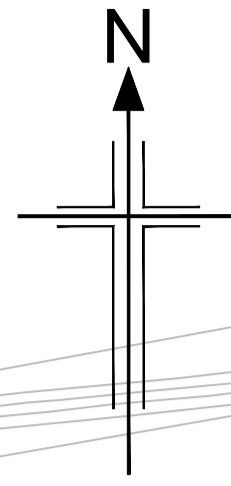
Drawing status **DCO PLANS**

Scale 1:5000 @ A1 DO NOT SCALE

Jacobs No. B0140300

Drawing number **TR010020/APP/23.4(A)** Rev **2**

This drawing is not to be used in whole or part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

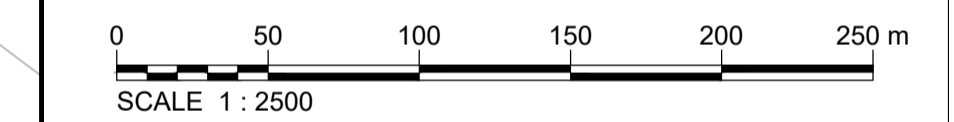


NOTES

1. All dimensions are in metres unless stated otherwise.
2. The proposed works will be subject to detailed design development. The changes will be within limits of deviation specified in the Development Consent Order (Document Reference TR010020/APP/3.1).
3. General arrangement plans TR010020/APP/23.4(B) to 23.4(D) are to be used as location reference for sheet sets as identified on drawing TR010020/APP/23.4(A).
4. Runoff from Catchment 1 will be attenuated by Attenuation Pond 1 before discharging into the River Don.
5. Runoff from Catchment 2 will be attenuated by Attenuation Pond 2 before discharging into Catchment 3. This ensures that flows into the existing network does not exceed the current situation.
6. The proposed ponds will be designed with an isolation system in order that contaminants may be contained in the event of a pollution incident.
7. These Drainage Engineering Drawings (General Arrangement) should be read in conjunction with application document 7.5 of the A19 Downhill Lane Junction Improvement DCO application (document reference TR010024/APP/7.5).

KEY

- Proposed Catchment 1
- Proposed Catchment 2
- Proposed Catchment 3
- The Design (shown for illustrative purposes)
- Limits of Land to be acquired or used permanently or temporarily
- Local Authority Boundary
- Proposed Attenuation Pond
- Proposed Discharge Point
- Existing Discharge Point



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2	07/01/2019	DCO PLANS	MF	EW	RA	GW
1	22/05/2018	DCO DISCHARGE REQUIREMENTS	MF	EW	RA	GW
0	10/07/2017	APPLICATION ISSUE	MF	EW	RA	GW
Rev	Rev. Date	Purpose of revision	Drawn	Checked	Rev'd	Appr'd



Designer **JACOBS** Contractor **COSTAIN**
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 www.jacobs.com

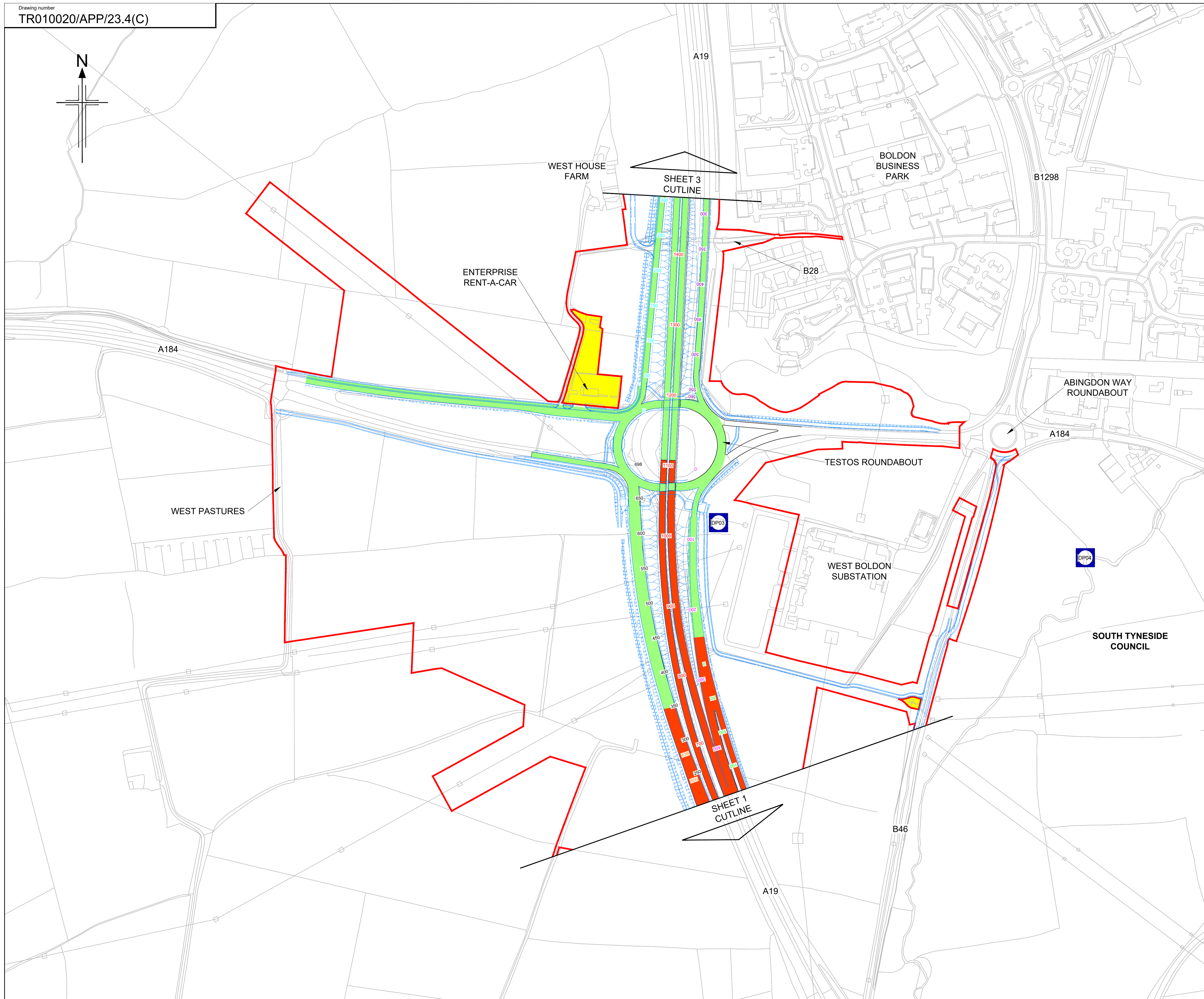
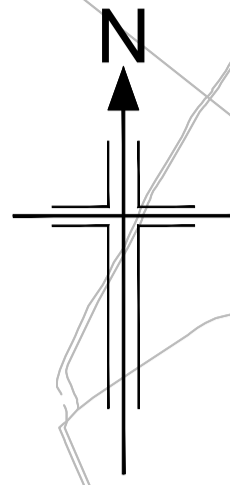
Project **A19 / A184 TESTO'S JUNCTION IMPROVEMENT**

Drawing title
Drainage Engineering Drawings (General Arrangement) Regulation 5(2)(o) Sheet 1 of 3

Drawing status **DCO PLANS**
 Scale 1:2500 @ A1 DO NOT SCALE
 Jacobs No. B0140300

Drawing number **TR010020/APP/23.4(B)** Rev **2**

This drawing is not to be used in whole or part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

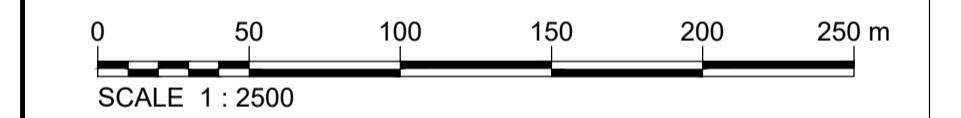


NOTES

1. All dimensions are in metres unless stated otherwise.
2. The proposed works will be subject to detailed design development. The changes will be within limits of deviation specified in the Development Consent Order (Document Reference TR010020/APP/3.1).
3. General arrangement plans TR010020/APP/23.4(B) to 23.4(D) are to be used as location reference for sheet sets as identified on drawing TR010020/APP/23.4(A).
4. Runoff from Catchment 1 will be attenuated by Attenuation Pond 1 before discharging into the River Don.
5. Runoff from Catchment 2 will be attenuated by Attenuation Pond 2 before discharging into Catchment 3. This ensures that flows into the existing network does not exceed the current situation.
6. The proposed ponds will be designed with an isolation system in order that contaminants may be contained in the event of a pollution incident.
7. These Drainage Engineering Drawings (General Arrangement) should be read in conjunction with application document 7.5 of the A19 Downhill Lane Junction Improvement DCO application (document reference TR010024/APP/7.5).

KEY

- Catchment 1
- Catchment 2
- Catchment 3
- The Design (shown for illustrative purposes)
- Limits of Land to be acquired or used permanently or temporarily
- Proposed Attenuation Pond
- Proposed Discharge Point
- Existing Discharge Point
- Area not included within the DCO boundary



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2	07/01/2019	DCO PLANS	MF	EW	RA	GW
1	22/05/2018	DCO DISCHARGE REQUIREMENTS	MF	EW	RA	GW
0	10/07/2017	APPLICATION ISSUE	MF	EW	RA	GW
Rev	Rev. Date	Purpose of revision	Drawn	Checked	Rev'd	Appr'd

Client



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Project
A19 / A184 TESTO'S JUNCTION IMPROVEMENT

Drawing title
Drainage Engineering Drawings (General Arrangement) Regulations 5(2)(o) Sheet 2 of 3

Drawing status
DCO PLANS

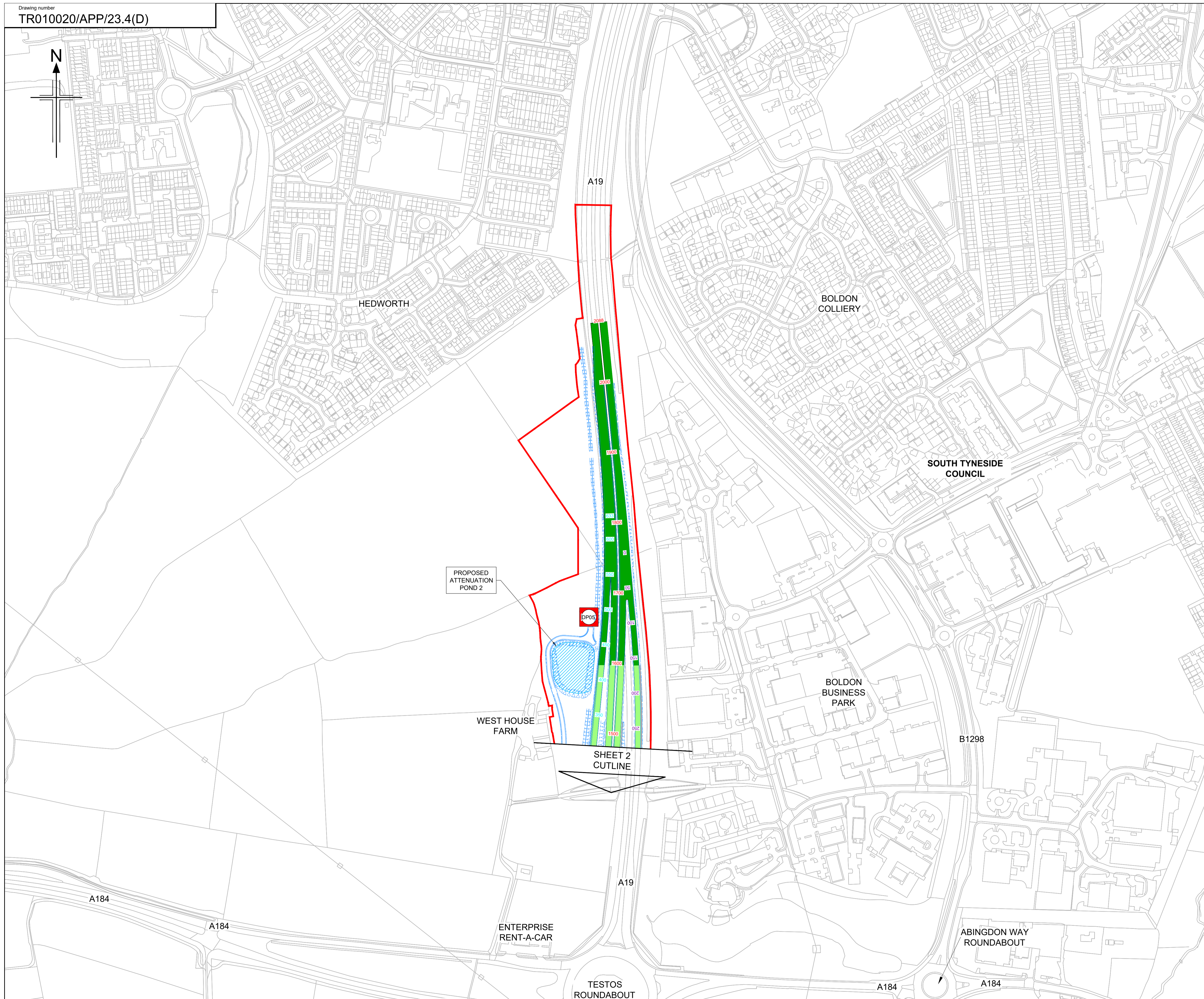
Scale
1:2500 @ A1 DO NOT SCALE

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B0140300

Client no.

Drawing number
TR010020/APP/23.4(C) Rev
2

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NOTES

1. All dimensions are in metres unless stated otherwise.
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KEY

- Catchment 1
- Catchment 2
- Catchment 3
- The Design (shown for illustrative purposes)
- Limits of Land to be acquired or used permanently or temporarily
- Proposed Attenuation Pond
- Proposed Discharge Point
- Existing Discharge Point



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2	07/01/2019	DCO PLANS	MF	EW	RA	GW
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0	10/07/2017	APPLICATION ISSUE	MF	EW	RA	GW
Rev	Rev. Date	Purpose of revision	Drawn	Checked	Rev'd	Appr'd



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Project **A19 / A184 TESTO'S JUNCTION IMPROVEMENT**

Drawing title
Drainage Engineering Drawings (General Arrangement) Regulation 5(2)(o) Sheet 3 of 3

Drawing status **DCO PLANS**
 Scale 1:2500 @ A1 DO NOT SCALE
 Jacobs No. B0140300

Drawing number **TR010020/APP/23.4(D)** Rev **2**

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