M25 junction 10/A3 Wisley interchange
TR010030
2.9 Engineering drawings and sections

Regulation 5(2)(o), Regulation 6(2)(a) and 6(2)(b)
Planning Act 2008
Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009

Volume 2
March 2021

Infrastructure Planning

Planning Act 2008

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

M25 junction 10/A3 Wisley interchange Development Consent Order 202[x]

2.9 ENGINEERING DRAWINGS AND SECTIONS

Regulation Number:		Regulation 5(2)(o), Regulation 6(2)(a) and 6(2)(b)
Planning Inspectorate Scheme Reference		TR010030
Application Document Reference		TR010030/APP/2.9
Author:		M25 junction 10/A3 Wisley interchange project team, Highways England
Version	**Date**	**Status of Version**
Rev 2	1 March 2021	Response to Secretary of State's letter dated 15 February 2021
Rev 1	May 2020	Submitted for Deadline 8
Rev 0	June 2019	Development Consent Order application

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1. Introduction and purpose of this document

1.1.1 Highways England ('the Applicant') is applying to the Secretary of State for a development consent order ('DCO') to authorise a scheme for the improvement of the M25 junction 10/A3 Wisley interchange ('the Scheme'). The Application is submitted to the Planning Inspectorate (as the responsible agency) under section 37 of the Planning Act 2008. The draft DCO is referred to as the M25 junction 10/A3 Wisley interchange Development Consent Order 202[x]. The DCO is seeking powers to upgrade the existing M25 junction 10/A3 Wisley interchange, including powers to compulsorily acquire land and other rights and interests as necessary to facilitate the construction, operation and maintenance of the Scheme.

1.1.2 This document comprises part of the suite of Application documents and is included within the Application in accordance with Regulations 5(2)(o), 6(2)(a) and 6(2)(b) of The Infrastructure Planning (Applications: Prescribed Forms and Procedures) Regulations 2009 (as amended), which states that an application for development consent must be accompanied by:

'5(2)(o) 'any other plans, drawings and sections necessary to describe the proposals for which development 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.

'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.

1.1.3 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 DCO (application

document TR010030/APP/3.1(7)) which lists the works for which consent is sought, together with the Works Plans (application document TR010030/APP/2.3(3)), the Scheme Layout Plans (application document TR010030/APP/2.8(4)) and the Temporary Works Plans (application document TR010030/APP/2.10(2)).

1.1.4 A full description of the Scheme can be found in application document [APP-002]~~TR010030/APP/1.2~~ Introduction to the Application.

1.2 Scope and format of the Engineering Drawings and Sections

1.2.1 The purpose of the Engineering Drawings and Sections is to show the key features of the Scheme for which development consent is sought. These plans are submitted for approval. The Scheme will be designed in detail and carried out so that it is compatible with these plans unless otherwise approved in accordance with the requirements set out in Schedule 2 of the DCO (see application document TR010030/APP/3.1(7)).

1.2.2 In preparing these Plans, the Applicant has had regard to the advice provided by the Planning Inspectorate under Section 51 of the Planning Act 2008 relating to the format and presentation of application plans.

1.2.3 The Applicant has adopted the same consistent approach for the Engineering Drawings and Sections Plans as has been used for the Land Plans (application document TR010030/APP/2.2(4)), the Works Plans (application document TR010030/APP/2.3(3)), the Scheme Layout Plans (application document TR010030/APP/2.8(2) and TR010030/APP/2.8(4)) and the Streets, Rights of Way and Access Plans (application document TR010030/APP/2.4(2)). The information contained on each sheet corresponds with the information shown on the Works Plans and on the Streets, Rights of Way, Scheme Layout Plans and Access Plans. This consistent approach is intended to help interested parties understand the inter-relationship between the different sets of plans and to help show the design of the Scheme more clearly than can otherwise be shown in the Works Plans alone.

1.2.4 In accordance with Regulation 5(4) of The Infrastructure Planning (Applications: Prescribed Forms and Procedures) Regulations 2009 (as amended), a Key Plan has been provided to aid navigation of the Engineering Drawings and Sections and to show how the different sheets are inter-related.

1.2.5 The Engineering Drawings and Sections show details of the height of proposed bridges, structures and embankments and the depth of proposed cuttings, together with cross-sections of structures, longitudinal profiles and typical details for specific design features, including the following:

- General arrangement drawing showing details of the proposed structures and embankments including overbridges and bridges;
- Typical details of the proposed road lighting column and foundation;
- Typical details of the steel verge road restraints;
- Typical details of the steel road restraints at the overbridges/gantries;
- Typical details of environment barriers;

- Typical pond details;
- Typical plan of the gantry types;
- Longitudinal profiles of the Scheme;

1.2.6 The information shown on the Plans is commensurate with the preliminary design status of the Scheme at this stage. The Scheme will be designed in detail once consent for the Scheme is granted. The detail design will be in accordance with the Engineering Drawings and Sections, to the extent of the defined limits of deviation provided for in the DCO and any approval required under the DCO requirements set out in Schedule 2 of the Order (see application document TR010030/APP/3.1(7)).

1.2.7 The horizontal limits of deviation for the works are shown in the Works Plans (application document TR010030/APP/2.3(3)), whilst Article 7 of the DCO (application document TR010030/APP/3.1(7)) establishes vertical limits of deviation. These limits of deviation are necessary to provide the Applicant with a limited and proportionate degree of flexibility to make minor adjustments to the Scheme in the light of further detailed site investigations and as the development of the designs are refined.

1.2.8 Further information about the limits of deviation is provided in the Explanatory Memorandum ~~(application document TR010030/APP/3.2)~~[REP12-003] and in the explanatory text accompanying the Works Plans (application document TR010030/APP/2.3(3)). The Environmental Statement ([REP4-021]~~application document TR010030/APP/6.3~~ – chapter 2) explains how the Applicant has taken account of these limits in identifying and assessing the likely significant environmental effects of the Scheme.

1.2.9 These Engineering Drawings and Sections take into account the post-examination changes in replacement land requested by the Secretary of State.

2. Schedule of Plans included in this application document

Document title	Document number	Revision
Plan and Profile - Regulation 5(2)(o) and 6(2) - Key Plan	TR010030/APP/2.9	~~2~~3
Plan and Profile - Regulation 5(2)(o) and 6(2) - Sheet 1 of 15	TR010030/APP/2.9	0
Plan and Profile - Regulation 5(2)(o) and 6(2) - Sheet 2 of 15	TR010030/APP/2.9	0
Plan and Profile - Regulation 5(2)(o) and 6(2) - Sheet 3 of 15	TR010030/APP/2.9	0
Plan and Profile - Regulation 5(2)(o) and 6(2) - Sheet 4 of 15	TR010030/APP/2.9	1
Plan and Profile - Regulation 5(2)(o) and 6(2) - Sheet 5 of 15	TR010030/APP/2.9	0
Plan and Profile - Regulation 5(2)(o) and 6(2) - Sheet 6 of 15	TR010030/APP/2.9	~~0~~1
Plan and Profile - Regulation 5(2)(o) and 6(2) - Sheet 7 of 15	TR010030/APP/2.9	0
Plan and Profile - Regulation 5(2)(o) and 6(2) - Sheet 8 of 15	TR010030/APP/2.9	1
Plan and Profile - Regulation 5(2)(o) and 6(2) - Sheet 9 of 15	TR010030/APP/2.9	0
Plan and Profile - Regulation 5(2)(o) and 6(2) - Sheet 10 of 15	TR010030/APP/2.9	0
Plan and Profile - Regulation 5(2)(o) and 6(2) - Sheet 11 of 15	TR010030/APP/2.9	0
Plan and Profile - Regulation 5(2)(o) and 6(2) - Sheet 12 of 15	TR010030/APP/2.9	1
Plan and Profile - Regulation 5(2)(o) and 6(2) - Sheet 13 of 15	TR010030/APP/2.9	~~0~~1
Plan and Profile - Regulation 5(2)(o) and 6(2) - Sheet 14 of 15	TR010030/APP/2.9	~~0~~1
Plan and Profile - Regulation 5(2)(o) and 6(2) - Sheet 15 of 15	TR010030/APP/2.9	0
Longitudinal Profile - Regulation 5(2)(o) and 6(2) - Sheet 1 of 25	TR010030/APP/2.9	0
Longitudinal Profile - Regulation 5(2)(o) and 6(2) - Sheet 2 of 25	TR010030/APP/2.9	0
Longitudinal Profile - Regulation 5(2)(o) and 6(2) - Sheet 3 of 25	TR010030/APP/2.9	0
Longitudinal Profile - Regulation 5(2)(o) and 6(2) - Sheet 4 of 25	TR010030/APP/2.9	1
Longitudinal Profile - Regulation 5(2)(o) and 6(2) - Sheet 5 of 25	TR010030/APP/2.9	0

Document title	Document number	Revision
Longitudinal Profile - Regulation 5(2)(o) and 6(2) - Sheet 6 of 25	TR010030/APP/2.9	0
Longitudinal Profile - Regulation 5(2)(o) and 6(2) - Sheet 7 of 25	TR010030/APP/2.9	0
Longitudinal Profile - Regulation 5(2)(o) and 6(2) - Sheet 8 of 25	TR010030/APP/2.9	0
Longitudinal Profile - Regulation 5(2)(o) and 6(2) - Sheet 9 of 25	TR010030/APP/2.9	0
Longitudinal Profile - Regulation 5(2)(o) and 6(2) - Sheet 10 of 25	TR010030/APP/2.9	0
Longitudinal Profile - Regulation 5(2)(o) and 6(2) - Sheet 11 of 25	TR010030/APP/2.9	0
Longitudinal Profile - Regulation 5(2)(o) and 6(2) - Sheet 12 of 25	TR010030/APP/2.9	0
Longitudinal Profile - Regulation 5(2)(o) and 6(2) - Sheet 13 of 25	TR010030/APP/2.9	0
Longitudinal Profile - Regulation 5(2)(o) and 6(2) - Sheet 14 of 25	TR010030/APP/2.9	0
Longitudinal Profile - Regulation 5(2)(o) and 6(2) - Sheet 15 of 25	TR010030/APP/2.9	0
Longitudinal Profile - Regulation 5(2)(o) and 6(2) - Sheet 16 of 25	TR010030/APP/2.9	0
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Longitudinal Profile - Regulation 5(2)(o) and 6(2) - Sheet 18 of 25	TR010030/APP/2.9	1
Longitudinal Profile - Regulation 5(2)(o) and 6(2) - Sheet 19 of 25	TR010030/APP/2.9	1
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Longitudinal Profile - Regulation 5(2)(o) and 6(2) - Sheet 21 of 25	TR010030/APP/2.9	0
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Longitudinal Profile - Regulation 5(2)(o) and 6(2) - Sheet 23 of 25	TR010030/APP/2.9	0
Longitudinal Profile - Regulation 5(2)(o) and 6(2) - Sheet 24 of 25	TR010030/APP/2.9	0
Longitudinal Profile - Regulation 5(2)(o) and 6(2) - Sheet 25 of 25	TR010030/APP/2.9	0
Cross Sections - Regulation 5(2)(o) and 6(2) - Key Plan	TR010030/APP/2.9	0
Cross Sections - Regulation 5(2)(o) and 6(2) - Sheet 1 of 5	TR010030/APP/2.9	0
Cross Sections - Regulation 5(2)(o) and 6(2) - Sheet 2 of 5	TR010030/APP/2.9	0

Document title	Document number	Revision
Cross Sections - Regulation 5(2)(o) and 6(2) - Sheet 3 of 5	TR010030/APP/2.9	2
Cross Sections - Regulation 5(2)(o) and 6(2) - Sheet 4 of 5	TR010030/APP/2.9	0
Cross Sections - Regulation 5(2)(o) and 6(2) - Sheet 5 of 5	TR010030/APP/2.9	0
Structure Details - Stratford Brook Underbridge - Regulation 5(2)(o) and 6(2) - Sheet 1 of 7	TR010030/APP/2.9	0
Structure Details - Wisley Lane Overbridge - Regulation 5(2)(o) and 6(2) - Sheet 2 of 7	TR010030/APP/2.9	0
Structure Details - Cockcrow Overbridge - Regulation 5(2)(o) and 6(2) - Sheet 3 of 7	TR010030/APP/2.9	1
Structure Details - New Junction 10 Bridges - Regulation 5(2)(o) and 6(2) - Sheet 4 of 7	TR010030/APP/2.9	0
Structure Details - Sandpit Hill Overbridge - Regulation 5(2)(o) and 6(2) - Sheet 5 of 7	TR010030/APP/2.9	0
Structure Details - Redhill Overbridge - Regulation 5(2)(o) and 6(2) - Sheet 6 of 7	TR010030/APP/2.9	0
Structure Details - Clearmount Overbridge - Regulation 5(2)(o) and 6(2) - Sheet 7 of 7	TR010030/APP/2.9	0
Typical steel road restraint at overbridges/verges - Regulation 5(2)(o) and 6(2) - Sheet 1 of 2	TR010030/APP/2.9	0
Typical steel road restraint at overbridges/verges - Regulation 5(2)(o) and 6(2) - Sheet 2 of 2	TR010030/APP/2.9	0
Typical gantry type plan - A3 Mainline - Regulation 5(2)(o) and 6(2) - Sheet 1 of 3	TR010030/APP/2.9	0
Typical gantry type plan - M25 Mainline - Regulation 5(2)(o) and 6(2) - Sheet 2 of 3	TR010030/APP/2.9	0
Typical gantry type plan - M25 Mainline - Regulation 5(2)(o) and 6(2) - Sheet 3 of 3	TR010030/APP/2.9	0
Gentry Details - MS4 Cantilever Gantry - Regulation 5(2)(o) and 6(2) - Sheet 1 of 4	TR010030/APP/2.9	0
Gentry Details - Super Span Portal Gantry - Regulation 5(2)(o) and 6(2) - Sheet 2 of 4	TR010030/APP/2.9	0
Gentry Details - Single Carriageway Portal Gantry - Regulation 5(2)(o) and 6(2) - Sheet 3 of 4	TR010030/APP/2.9	0
Gentry Details - ADS Cantilever Gantry - Regulation 5(2)(o) and 6(2) - Sheet 4 of 4	TR010030/APP/2.9	0
Typical Pond Detail - Regulation 5(2)(o) and 6(2) - Sheet 1 of 1	TR010030/APP/2.9	0
Typical Detail - Environmental Barrier - Regulation 5(2)(o) and 6(2) - Sheet 1 of 1	TR010030/APP/2.9	0
Typical Detail - Road Lighting Column and Foundation - Regulation 5(2)(o) and 6(2) - Sheet 1 of 1	TR010030/APP/2.9	0

DO NOT SCALE

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M25
BYFLEET
A3
WEST BYFLEET
COBHAM
WOKING BOROUGH COUNCIL
PYRFORD
WISLEY
ELMBRIDGE BOROUGH COUNCIL
HATCHFORD
M25
GUILDFORD BOROUGH COUNCIL
RIPLEY
OCKHAM
A3

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2 SHEET NUMBER FOR WORKS IN THIS AREA

DEVELOPMENT CONSENT ORDER (DCO) BOUNDARY

LOCAL AUTHORITY BOUNDARY

Description	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
DCO Application	A4	0	SA	NK	VA	GB	13/06/19
SUBMITTED FOR DEADLINE 4	A1	1	SA	LH	RM	ADK	28/01/20
SUBMITTED FOR DEADLINE 8	A1	2	SB	LH	RM	RB	29/04/20
SUBMITTED FOR SECRETARY OF STATE REVIEW	A4	3	SA	LH	JB	SG	01/03/21

Drawing Suitability: DCO APPLICATION
Status: A4

Project Title: M25 junction 10/A3 Wisley interchange

Drawing Title: PLAN AND PROFILE
REGULATION 5(2)(o) AND 6(2)
KEY PLAN

SNC-LAVALIN
ATKINS Member of the SNC-Lavalin Group
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www.atkinsglobal.com

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Client: Working on behalf of highways england

Drawing Number: TR010030/APP/2.9
Rev: 3

HE PIN: HE551522
Scale: 1:12500
Original Size: A1

This Drawing is saved on ProjectWise. Plotted: 01/03/2021 16:37:40 By: ARRO9099

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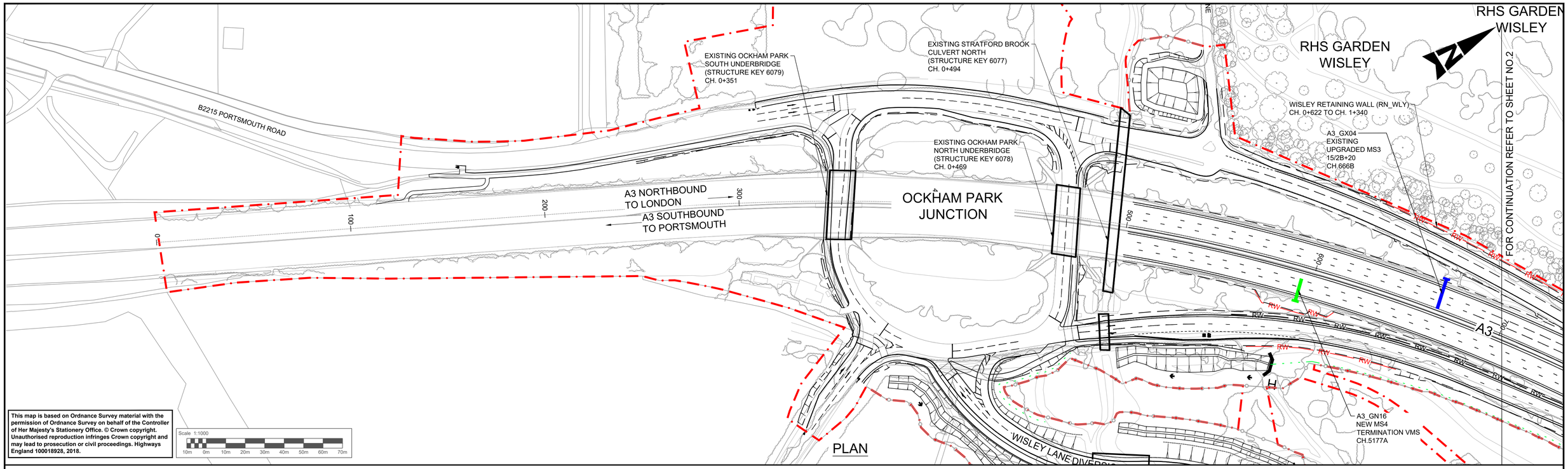

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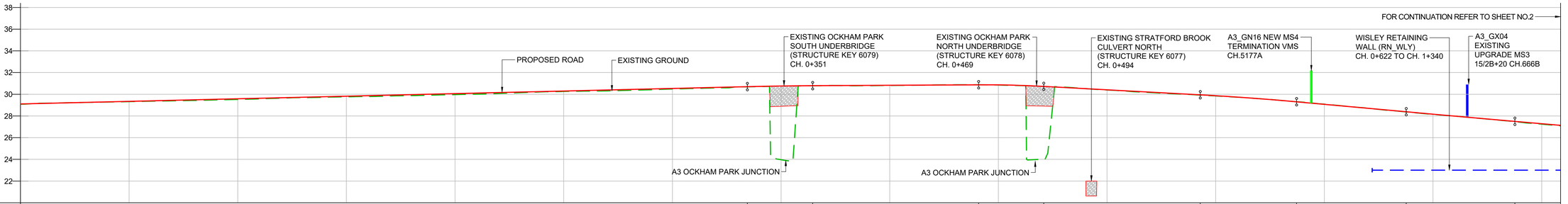

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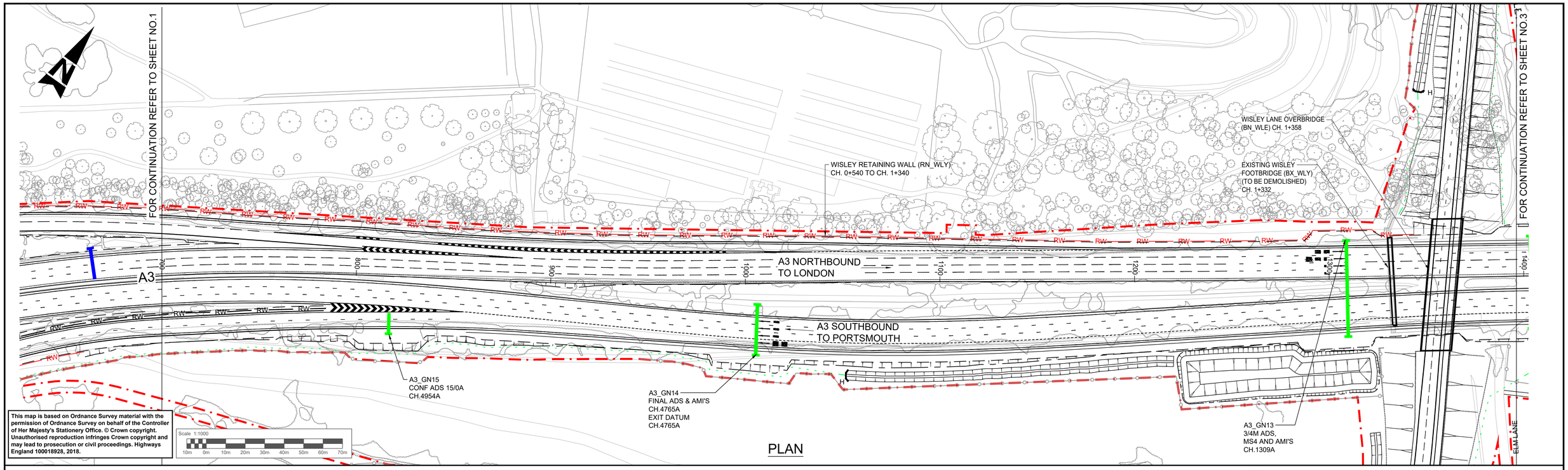

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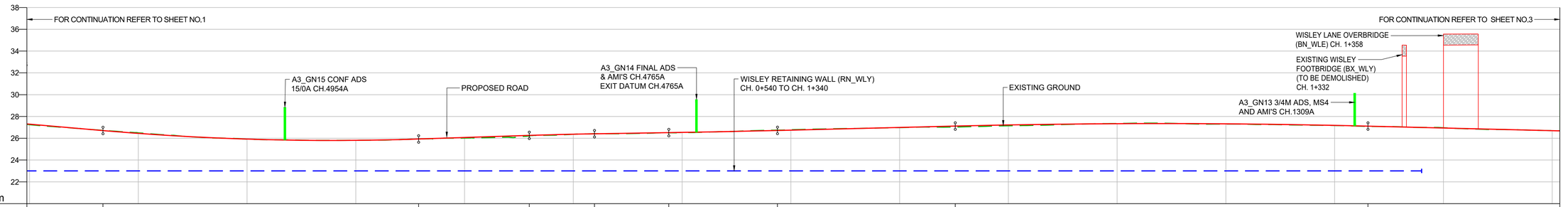

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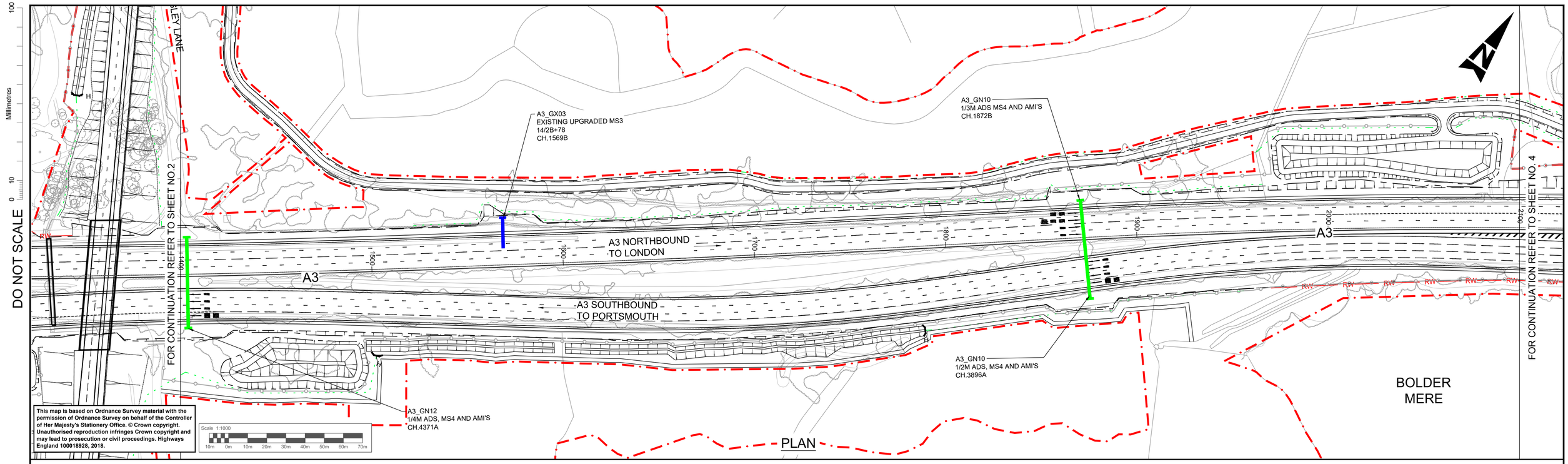
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FOR CONTINUATION REFER TO SHEET NO. 4
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CH.1569B
A3_GN10
1/3M ADS MS4 AND AMI'S
CH.1872B
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CH.3896A
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CH.4371A
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TO LONDON
A3 SOUTHBOUND
TO PORTSMOUTH
A3
A3
RW
1400
1500
1600
1700
1800
1900
2000
2100
BOLDER
MERE
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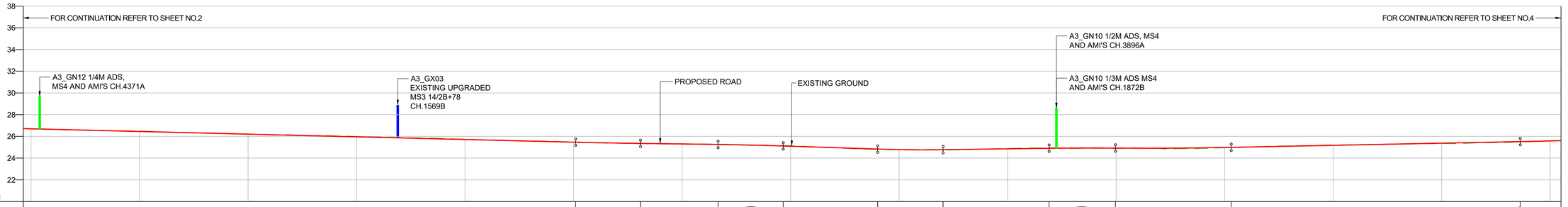
FOR CONTINUATION REFER TO SHEET NO.2
FOR CONTINUATION REFER TO SHEET NO.4
38
36
34
32
30
28
26
24
22
A3_GN12 1/4M ADS,
MS4 AND AMI'S CH.4371A
A3_GX03
EXISTING UPGRADED
MS3 14/2B+78
CH.1569B
PROPOSED ROAD
EXISTING GROUND
A3_GN10 1/2M ADS, MS4
AND AMI'S CH.3896A
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AND AMI'S CH.1872B

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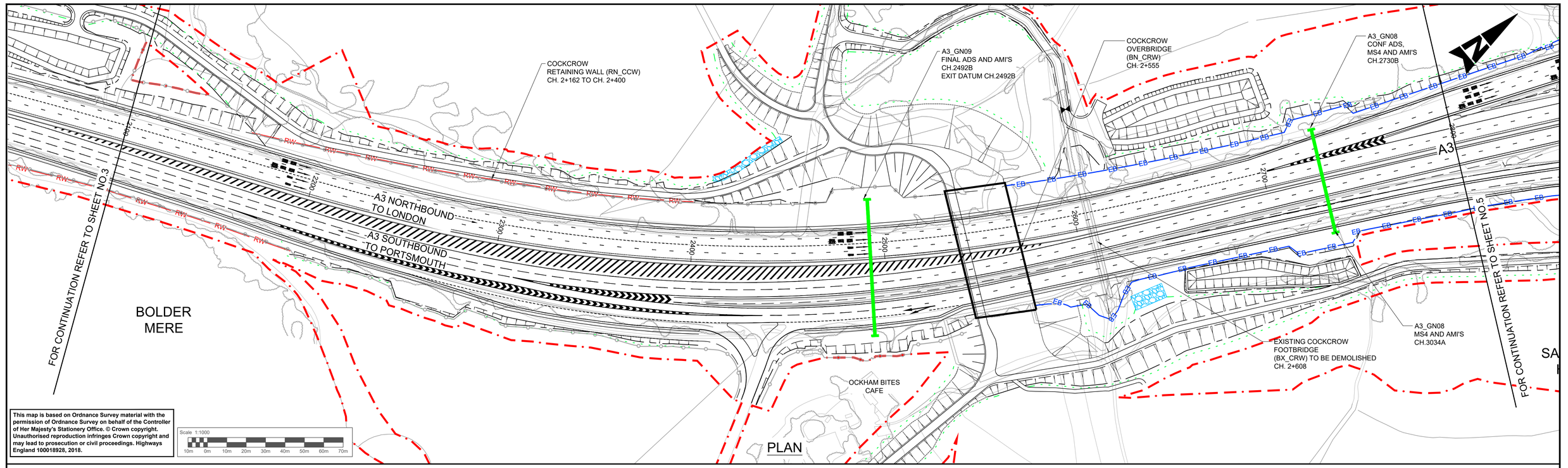

PLAN

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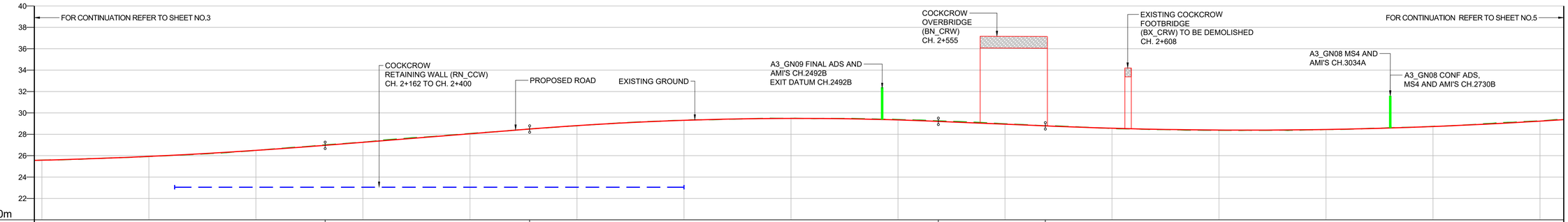

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HORIZONTAL ALIGNMENT		L= 18.006	L= 83.404		R= 810.000 L= 333.908				L= 92.512		L =117.599			
DESIGN LEVELS	25.6	25.9	26.5	27.2	28.0	28.8	29.3	29.5	29.3	28.9	28.6	28.4	28.4	28.7	29.2
EXISTING LEVELS	25.6	25.9	26.5	27.3	28.1	28.8	29.3	29.5	29.4	29.0	28.5	28.4	28.4	28.7	29.3
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Scale 1:1000
10m 0m 10m 20m 30m 40m 50m 60m 70m

LONGITUDINAL SECTION - A3 MAINLINE NORTHBOUND

SCALE = H - 1:1000
V - 1:200

NOTES

1. ALL DIMENSIONS ARE IN METRES UNLESS STATED OTHERWISE.
2. ONLY THE KEY FOR THE LONGITUDINAL SECTION IS SHOWN ON THIS DRAWING. REFER TO THE SCHEME LAYOUT DRAWING NO. HE551522-ATK-LDC-XX_KP-DR-ZL-020902 FOR DETAILS OF THE KEY ASSOCIATED WITH THE PLAN.
3. THESE PLANS SHOULD BE READ IN CONJUNCTION WITH THE OTHER PLANS AND DOCUMENTS IN THE DEVELOPMENT CONSENT ORDER (DCO). THE PROPOSED SCHEME WILL BE SUBJECT TO THE DEVELOPMENT OF A DETAILED DESIGN WITHIN THE LIMITS OF DEVIATION, AS SHOWN ON THE WORKS PLANS.
4. LIMITS OF DEVIATION: HORIZONTAL POSITION MAY VARY WITHIN THE DEVELOPMENT CONSENT ORDER (DCO) BOUNDARY & VERTICALLY +1m TO -3m.
5. ALL DETAILS SHOWN ON THE LONGITUDINAL PROFILE REFERRING TO THE RETAINING WALLS, BRIDGE DECKS, GANTRIES AND CULVERTS ARE INDICATIVE ONLY.

KEY (FOR LONGITUDINAL SECTION ONLY)

- PROPOSED ROAD
- EXISTING GROUND
- EXISTING RETAINING WALL
- PROPOSED RETAINING WALL
- PROPOSED GROUND
- OVERHEAD POWER LINE
- NEW GANTRY
- GANTRY TO BE UPGRADED

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).

Construction
CONSTRUCTION OF STRUCTURE OVER LIVE CARRIAGEWAY

Maintenance / Cleaning
NONE

Use
NONE

Decommissioning / Demolition
NONE

Description	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
DCO APPLICATION	A4	0	DD	NK	LH	VA	05/06/19
SUBMITTED FOR DEADLINE 4	A1	1	SA	LH	RM	ADK	28/01/20

Drawing Suitability: APPROVED - PUBLISHED
Status: A1

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Epsom Gateway
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Client: Working on behalf of highways england

Project Title: M25 junction 10/A3 Wisley interchange

Drawing Title: PLAN AND PROFILE REGULATION 5(2)(o) AND 6(2)

SHEET 4 OF 15

Drawing Number: TR010030/APP/2.9
Rev: 1

HE PIN: HE551522
Scale: 1:1000
Original Size: A1

DO NOT SCALE

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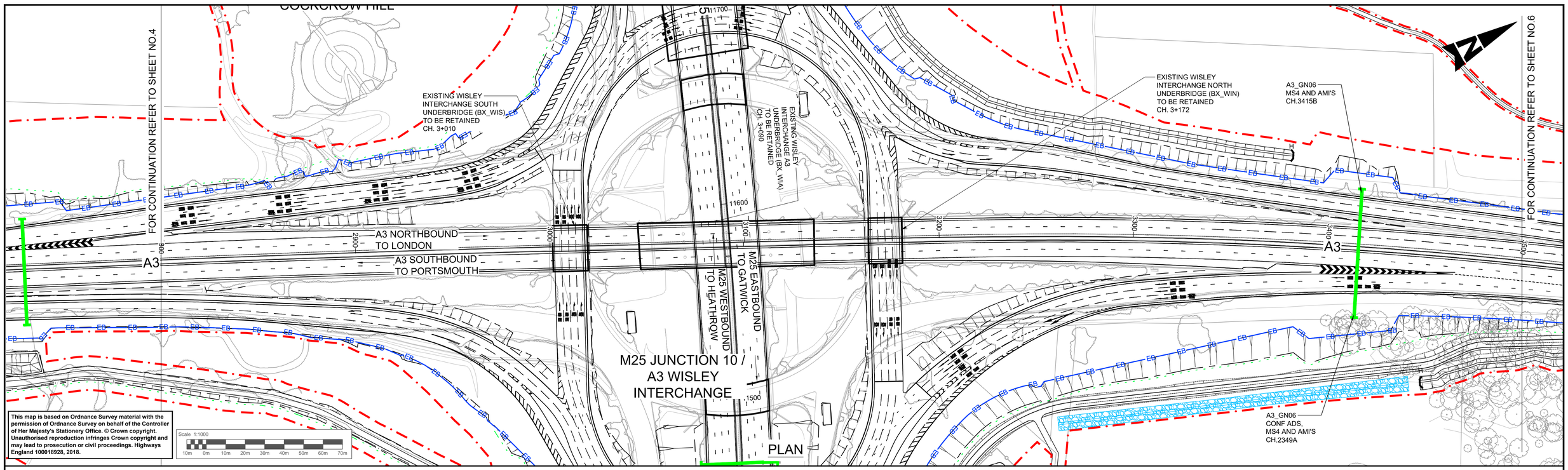

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Scale 1:1000
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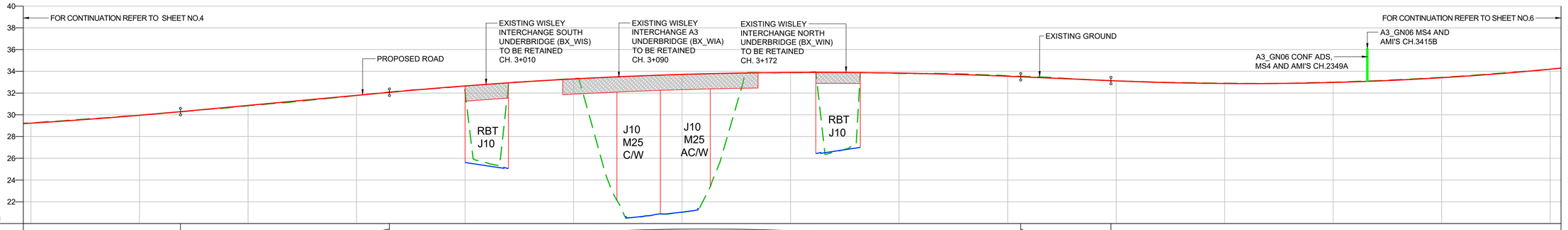

DATUM = 20.00m

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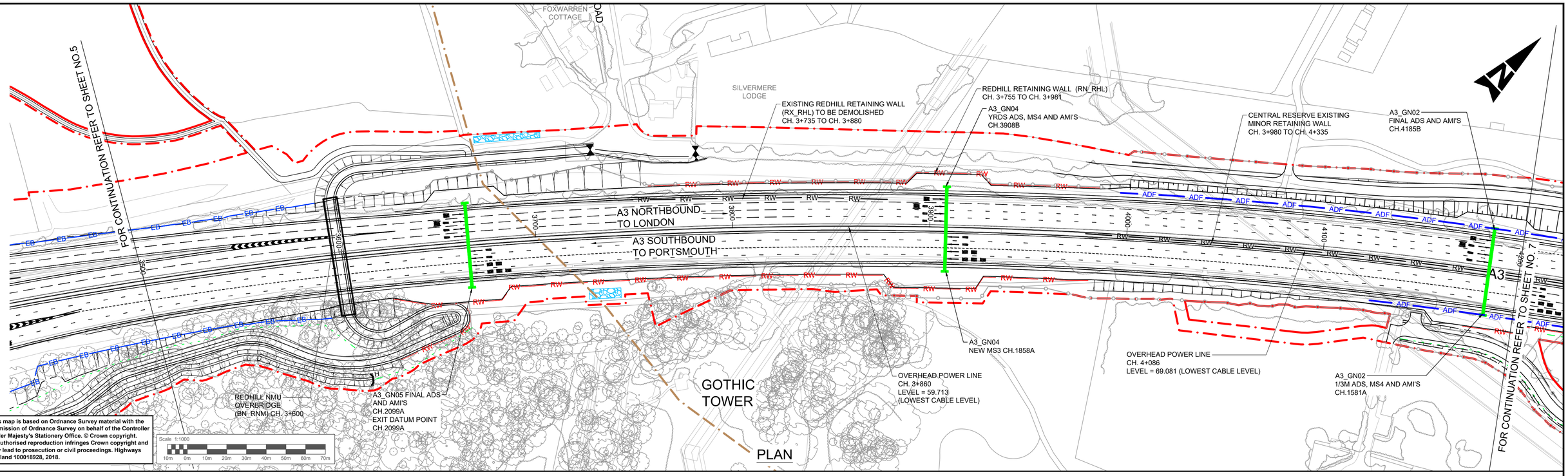

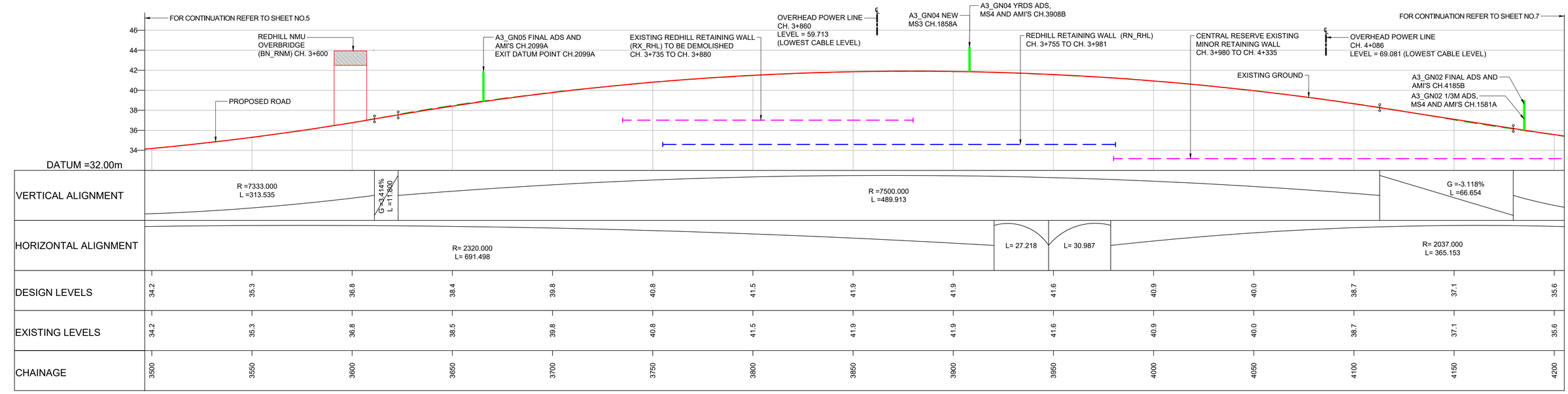

LONGITUDINAL SECTION - A3 MAINLINE NORTHBOUND

SCALE = H - 1:1000
V - 1:200

NOTES

1. ALL DIMENSIONS ARE IN METRES UNLESS STATED OTHERWISE.
2. ONLY THE KEY FOR THE LONGITUDINAL SECTION IS SHOWN ON THIS DRAWING. REFER TO THE SCHEME LAYOUT DRAWING NO. HE551522-ATK-LDC-XX_KP-DR-ZL-020902 FOR DETAILS OF THE KEY ASSOCIATED WITH THE PLAN.
3. THESE PLANS SHOULD BE READ IN CONJUNCTION WITH THE OTHER PLANS AND DOCUMENTS IN THE DEVELOPMENT CONSENT ORDER (DCO). THE PROPOSED SCHEME WILL BE SUBJECT TO THE DEVELOPMENT OF A DETAILED DESIGN WITHIN THE LIMITS OF DEVIATION, AS SHOWN ON THE WORKS PLANS.
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5. ALL DETAILS SHOWN ON THE LONGITUDINAL PROFILE REFERRING TO THE RETAINING WALLS, BRIDGE DECKS, GANTRIES AND CULVERTS ARE INDICATIVE ONLY.

KEY (FOR LONGITUDINAL SECTION ONLY)

- PROPOSED ROAD
- EXISTING GROUND
- EXISTING RETAINING WALL
- PROPOSED RETAINING WALL
- PROPOSED GROUND
- OVERHEAD POWER LINE
- NEW GANTRY
- GANTRY TO BE UPGRADED

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).

Construction
CONSTRUCTION OF STRUCTURE OVER LIVE CARRIAGEWAY

Maintenance / Cleaning
NONE

Use
NONE

Decommissioning / Demolition
NONE

Description	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
DCO APPLICATION	A4	0	DD	NK	LH	VA	05/06/19
SUBMITTED FOR SECRETARY OF STATE REVIEW	A4	1	SA	LH	JB	SG	01/03/21

Drawing Suitability: DCO APPLICATION
Status: A4

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Client: Working on behalf of highways england

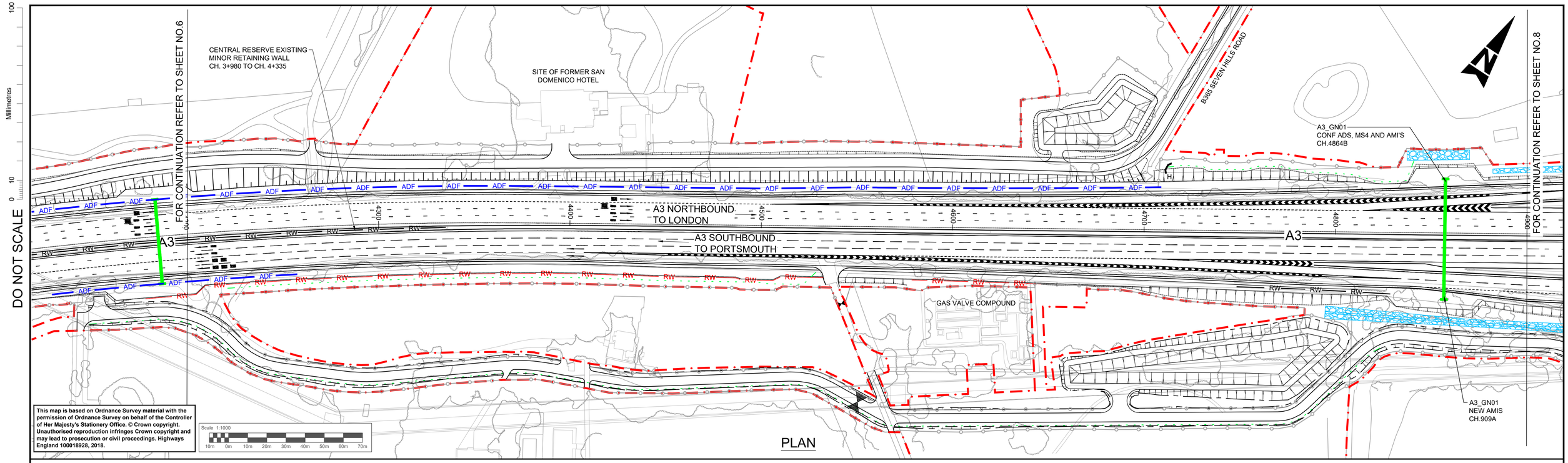
Project Title: M25 junction 10/A3 Wisley interchange

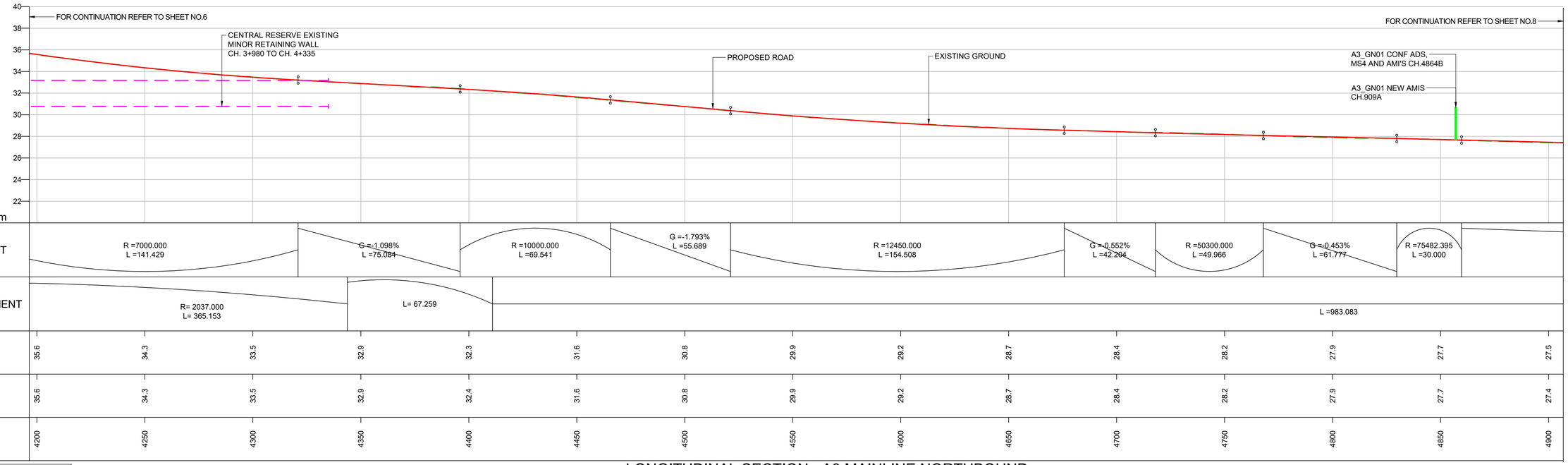
Drawing Title: PLAN AND PROFILE REGULATION 5(2)(o) AND 6(2)

SHEET 6 OF 15

Drawing Number: TR010030/APP/2.9
Rev: 1

HE PIN: HE551522
Scale: 1:1000
Original Size: A1





LONGITUDINAL SECTION - A3 MAINLINE NORTHBOUND

SCALE = H - 1:1000
V - 1:200

NOTES

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- EXISTING GROUND
- EXISTING RETAINING WALL
- PROPOSED RETAINING WALL
- PROPOSED GROUND
- ℄ OVERHEAD POWER LINE
- NEW GANTRY
- GANTRY TO BE UPGRADED

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).

Construction
NONE

Maintenance / Cleaning
NONE

Use
NONE

Decommissioning / Demolition
NONE

Description	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
DCO APPLICATION	A4	0	DD	NK	LH	VA	05/06/19

Drawing Suitability: DCO APPLICATION
Status: A4

Project Title: M25 junction 10/A3 Wisley interchange

Drawing Title: PLAN AND PROFILE REGULATION 5(2)(o) AND 6(2)

SHEET 7 OF 15

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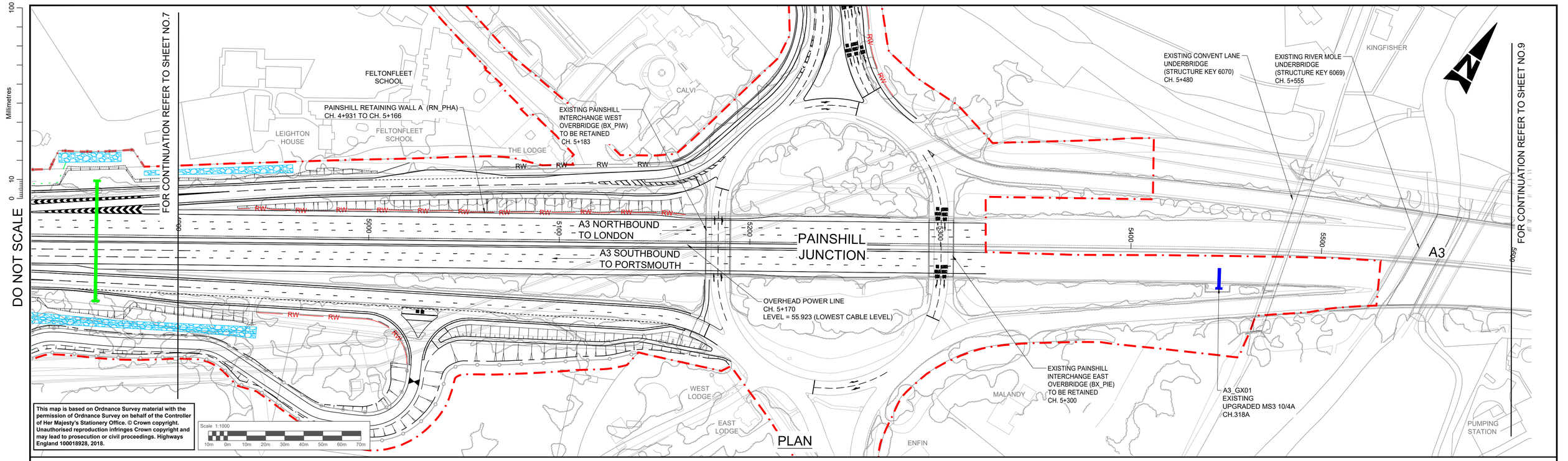
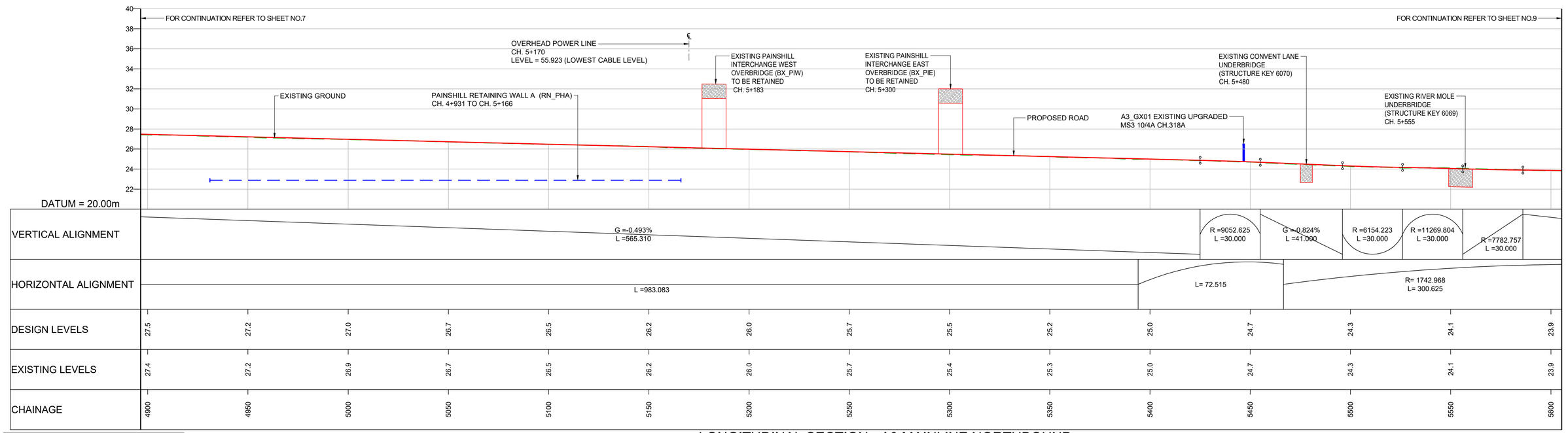
Drawing Number: TR010030/APP/2.9
Rev: 0

HE PIN: HE551522
Scale: 1:1000
Original Size: A1





LONGITUDINAL SECTION - A3 MAINLINE NORTHBOUND

SCALE = H - 1:1000
V - 1:200

NOTES

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KEY (FOR LONGITUDINAL SECTION ONLY)

- PROPOSED ROAD
- EXISTING GROUND
- EXISTING RETAINING WALL
- PROPOSED RETAINING WALL
- PROPOSED GROUND
- OVERHEAD POWER LINE
- NEW GANTRY
- GANTRY TO BE UPGRADED

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).

Construction
NONE

Maintenance / Cleaning
NONE

Use
NONE

Decommissioning / Demolition
NONE

Description	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
DCO APPLICATION	A4	0	DD	NK	LH	VA	05/06/19
SUBMITTED FOR DEADLINE 4	A1	1	SA	LH	RM	ADK	28/01/20

Drawing Suitability: APPROVED - PUBLISHED
Status: A1

Project Title: M25 junction 10/A3 Wisley interchange

Drawing Title: PLAN AND PROFILE REGULATION 5(2)(o) AND 6(2)

SHEET 8 OF 15

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Client: Working on behalf of highways england

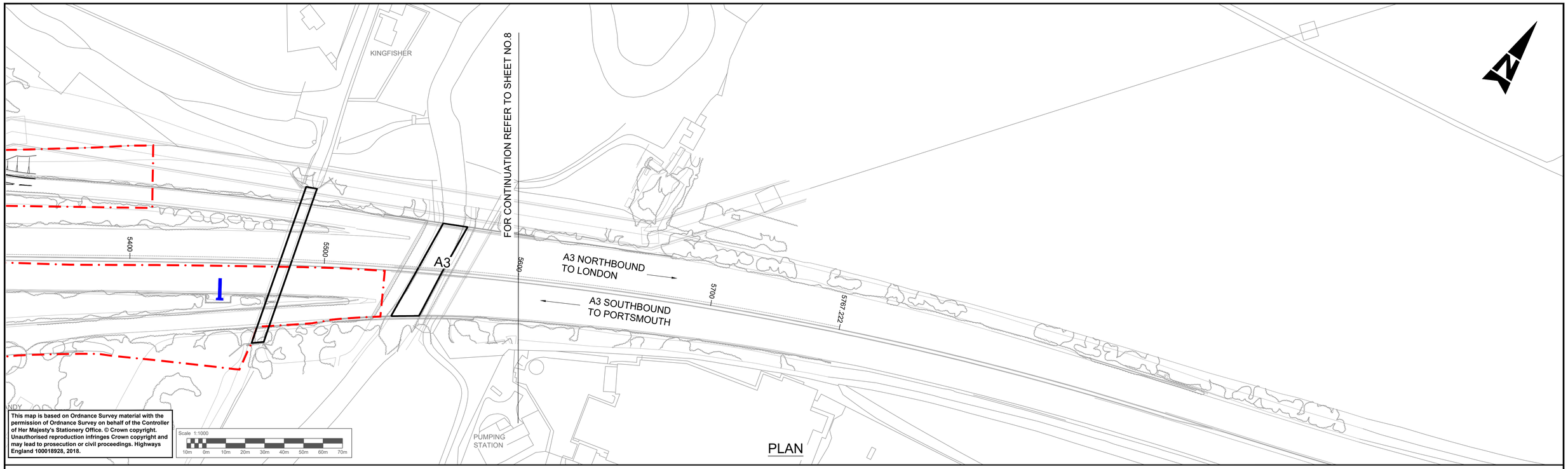
Drawing Number: TR010030/APP/2.9
Rev: 1

HE PIN: HE551522
Scale: 1:1000
Original Size: A1

This Drawing is saved on ProjectWise. Plotted: 29/01/2020 08:44:55 By: ARRO9099

DO NOT SCALE

Millimetres 0 10 100



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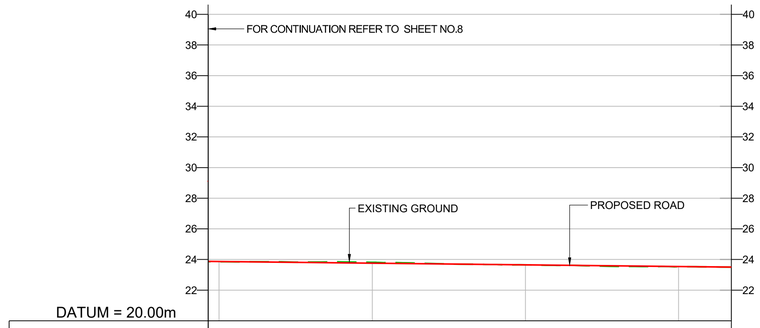
Scale 1:1000
10m 0m 10m 20m 30m 40m 50m 60m 70m

PLAN



DATUM = 20.00m

VERTICAL ALIGNMENT	G =-0.217% L =181.222				
HORIZONTAL ALIGNMENT	R= 1742.968 L= 300.625				
DESIGN LEVELS	23.9	23.8	23.7	23.5	23.5
EXISTING LEVELS	23.9	23.8	23.7	23.5	23.5
CHAINAGE	5600	5650	5700	5750	5767

Scale 1:1000
10m 0m 10m 20m 30m 40m 50m 60m 70m

LONGITUDINAL SECTION - A3 MAINLINE NORTHBOUND

SCALE = H - 1:1000
V - 1:200

NOTES

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- PROPOSED ROAD
- EXISTING GROUND
- EXISTING RETAINING WALL
- PROPOSED RETAINING WALL
- PROPOSED GROUND
- ℄ OVERHEAD POWER LINE
- NEW GANTRY
- GANTRY TO BE UPGRADED

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).

Construction
NONE

Maintenance / Cleaning
NONE

Use
NONE

Decommissioning / Demolition
NONE

Description	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
DCO APPLICATION	A4	0	DD	NK	LH	VA	05/06/19

Drawing Suitability: DCO APPLICATION
Status: A4

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Client: Working on behalf of highways england

Project Title: M25 junction 10/A3 Wisley interchange

Drawing Title: PLAN AND PROFILE
REGULATION 5(2)(o) AND 6(2)

SHEET 9 OF 15

Drawing Number: TR010030/APP/2.9
Rev: 0

HE PIN: HE551522
Scale: 1:1000
Original Size: A1

DO NOT SCALE

Millimetres 100 0 10

M25_GX14
NEW 1/3 MILE ADS
UPGRADED EMS & 4No. AMI'S
MP 4742
CH.13290

EXISTING BUXTON WOOD
FOOTBRIDGE (BX_BWD)
TO BE RETAINED
CH. 12+925

WOKING BC
GUILDFORD BC

RIVER WEY

M25 EASTBOUND
TO GATWICK

M25 WESTBOUND
TO HEATHROW

M25

13356.736
13300
13200
13100
13000
12900
12800

FOOTPATH 7 BUXTON WOOD
ACCOMMODATION OVERBRIDGE

GATEWAY
NEW MS4 AND 4No. AMI'S
CH.13290

MAST

FOR CONTINUATION REFER TO SHEET NO.11

N

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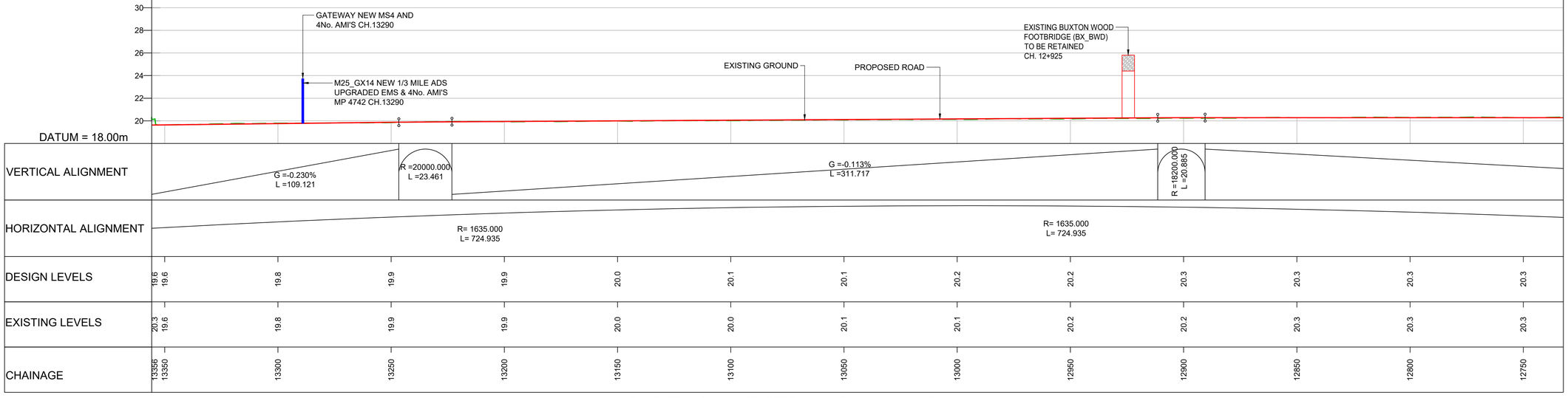
Scale 1:1000
10m 0m 10m 20m 30m 40m 50m 60m 70m

PLAN



LONGITUDINAL SECTION - M25 MAINLINE

SCALE = H - 1:1000
V - 1:200

Scale 1:1000
10m 0m 10m 20m 30m 40m 50m 60m 70m

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Description	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
DCO APPLICATION	A4	0	DD	NK	LH	VA	05/06/19

Drawing Suitability: DCO APPLICATION
Status: A4

Project Title: M25 junction 10/A3 Wisley interchange

Drawing Title: PLAN AND PROFILE
REGULATION 5(2)(o) AND 6(2)

SHEET 10 OF 15

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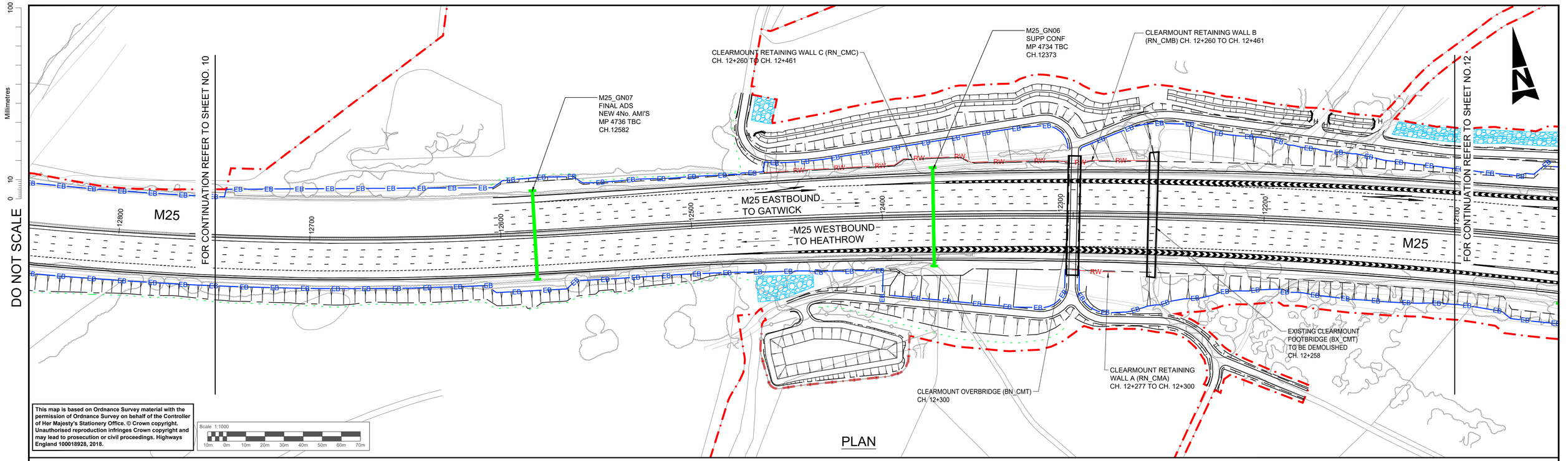

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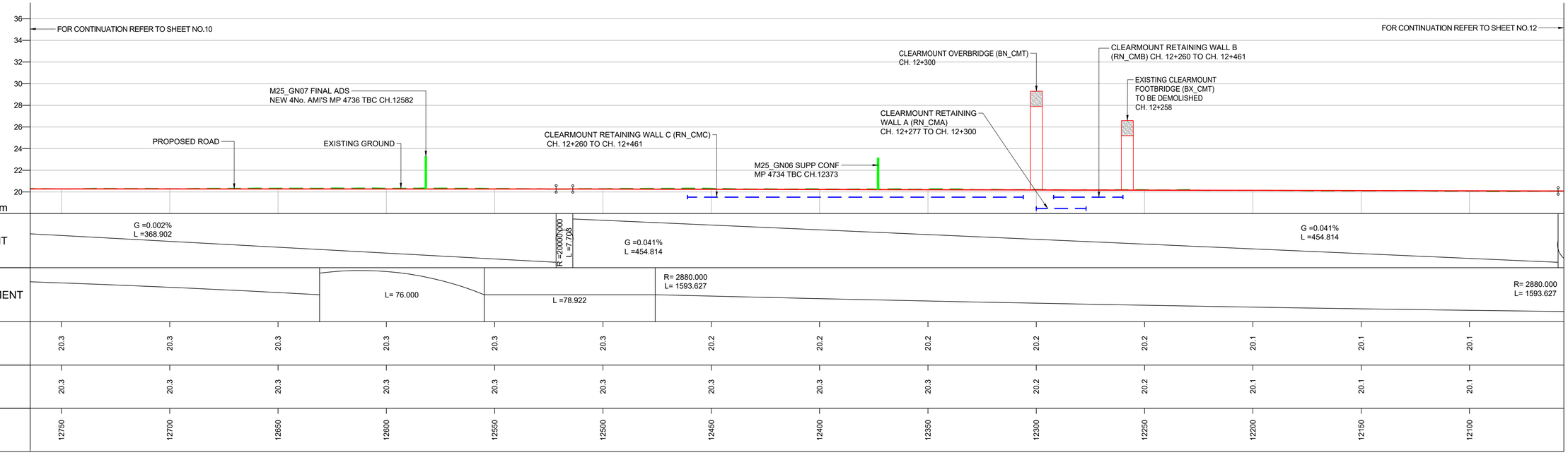

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LONGITUDINAL SECTION - M25 MAINLINE

SCALE = H - 1:1000
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Drawing Suitability: DCO APPLICATION
Status: A4

Project Title: M25 junction 10/A3 Wisley interchange

Drawing Title: PLAN AND PROFILE REGULATION 5(2)(o) AND 6(2)

SHEET 11 OF 15

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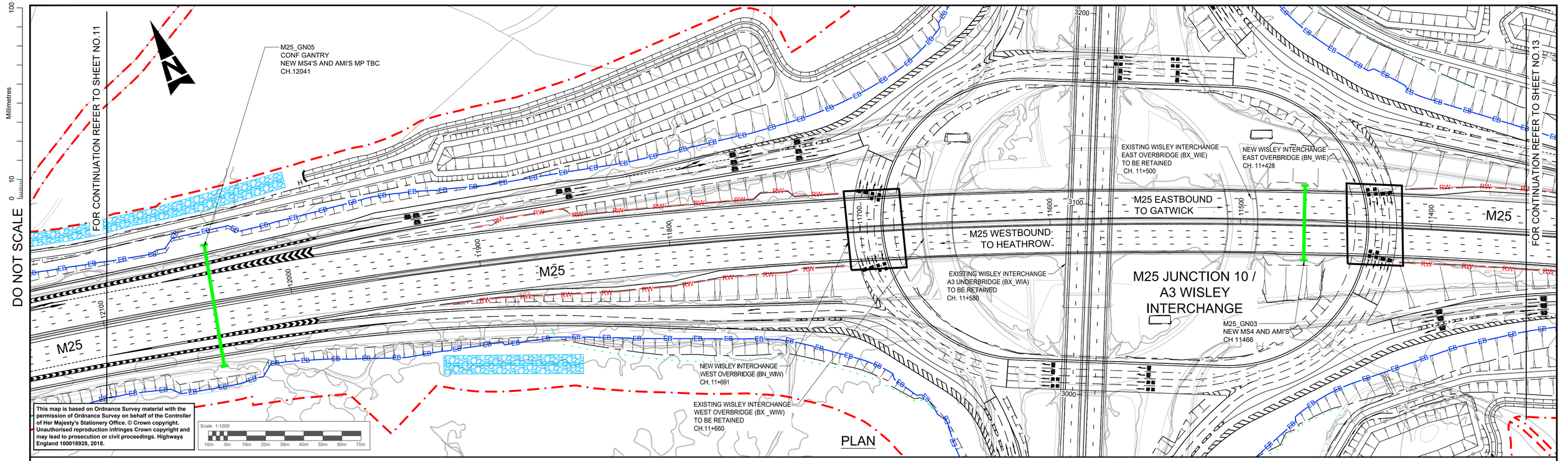
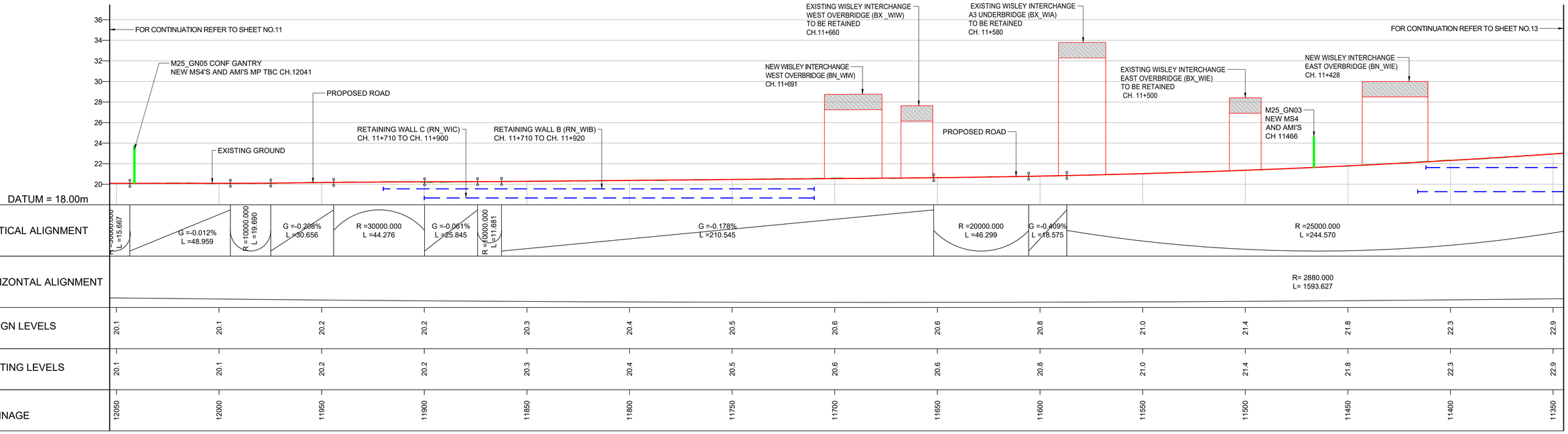
Rev: 0

HE PIN: HE551522
Scale: 1:1000
Original Size: A1

This Drawing is saved on ProjectWise. Plotted: 13/06/2019 08:45:34 By: ARRO9099





LONGITUDINAL SECTION - M25 MAINLINE

SCALE = H - 1:1000
V - 1:200

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4. LIMITS OF DEVIATION: HORIZONTAL POSITION MAY VARY WITHIN THE DEVELOPMENT CONSENT ORDER (DCO) BOUNDARY & VERTICALLY +1m TO -3m.
5. ALL DETAILS SHOWN ON THE LONGITUDINAL PROFILE REFERRING TO THE RETAINING WALLS, BRIDGE DECKS, GANTRIES AND CULVERTS ARE INDICATIVE ONLY.

KEY (FOR LONGITUDINAL SECTION ONLY)

- PROPOSED ROAD
- EXISTING GROUND
- EXISTING RETAINING WALL
- PROPOSED RETAINING WALL
- PROPOSED GROUND
- ℄ OVERHEAD POWER LINE
- NEW GANTRY
- GANTRY TO BE UPGRADED

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).

Construction
NONE

Maintenance / Cleaning
NONE

Use
NONE

Decommissioning / Demolition
NONE

Description	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
DCO APPLICATION	A4	0	DD	NK	LH	VA	05/06/19
SUBMITTED FOR DEADLINE 4	A1	1	SA	LH	RM	ADK	28/01/20

Drawing Suitability: APPROVED - PUBLISHED
Status: A1

Project Title: M25 junction 10/A3 Wisley interchange

Drawing Title: PLAN AND PROFILE REGULATION 5(2)(o) AND 6(2)

SHEET 12 OF 15

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Client: Working on behalf of highways england

Drawing Number: TR010030/APP/2.9
Rev: 1

HE PIN: HE551522
Scale: 1:1000
Original Size: A1

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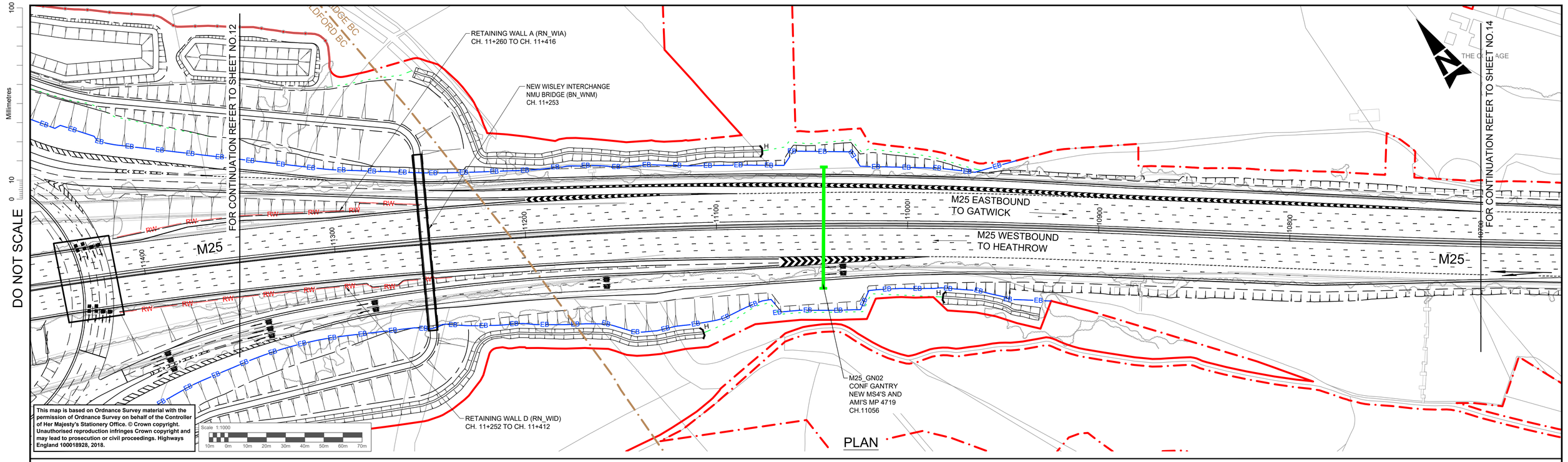
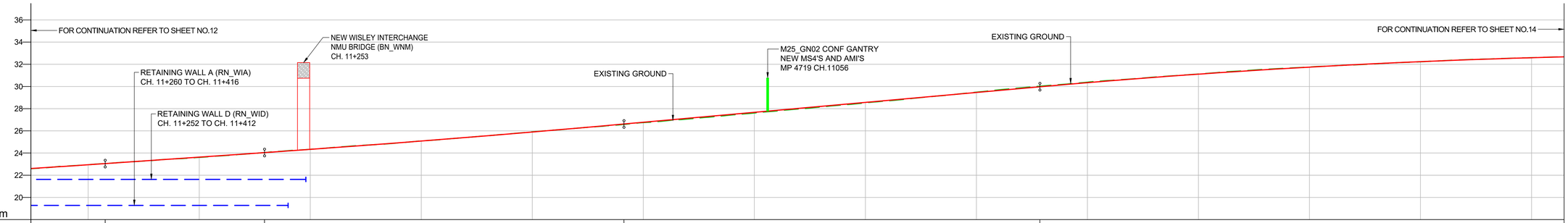


PLAN



VERTICAL ALIGNMENT		G =-1.387% L =71.744		R =40000.000 L =161.909		G =-1.792% L =187.311								
HORIZONTAL ALIGNMENT								R= 2880.000 L= 1593.627						
DESIGN LEVELS	22.9	23.6	24.3	25.1	25.9	26.8	27.7	28.6	29.5	30.3	31.1	31.7	32.2	32.6
EXISTING LEVELS	22.9	23.6	24.3	25.1	25.9	26.7	27.6	28.5	29.5	30.4	31.1	31.8	32.2	32.6
CHAINAGE	11350	11300	11250	11200	11150	11100	11050	11000	10950	10900	10850	10800	10750	10700

Scale 1:1000
10m 0m 10m 20m 30m 40m 50m 60m 70m

LONGITUDINAL SECTION - M25 MAINLINE

SCALE = H - 1:1000
V - 1:200

NOTES

1. ALL DIMENSIONS ARE IN METRES UNLESS STATED OTHERWISE.
2. ONLY THE KEY FOR THE LONGITUDINAL SECTION IS SHOWN ON THIS DRAWING. REFER TO THE SCHEME LAYOUT DRAWING NO. HE551522-ATK-LDC-XX_KP-DR-ZL-020902 FOR DETAILS OF THE KEY ASSOCIATED WITH THE PLAN.
3. THESE PLANS SHOULD BE READ IN CONJUNCTION WITH THE OTHER PLANS AND DOCUMENTS IN THE DEVELOPMENT CONSENT ORDER (DCO). THE PROPOSED SCHEME WILL BE SUBJECT TO THE DEVELOPMENT OF A DETAILED DESIGN WITHIN THE LIMITS OF DEVIATION, AS SHOWN ON THE WORKS PLANS.
4. LIMITS OF DEVIATION: HORIZONTAL POSITION MAY VARY WITHIN THE DEVELOPMENT CONSENT ORDER (DCO) BOUNDARY & VERTICALLY +1m TO -3m.
5. ALL DETAILS SHOWN ON THE LONGITUDINAL PROFILE REFERRING TO THE RETAINING WALLS, BRIDGE DECKS, GANTRIES AND CULVERTS ARE INDICATIVE ONLY.

KEY (FOR LONGITUDINAL SECTION ONLY)

- PROPOSED ROAD
- EXISTING GROUND
- EXISTING RETAINING WALL
- PROPOSED RETAINING WALL
- PROPOSED GROUND
- ℄ OVERHEAD POWER LINE
- NEW GANTRY
- GANTRY TO BE UPGRADED

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).

Construction
NONE

Maintenance / Cleaning
NONE

Use
NONE

Decommissioning / Demolition
NONE

Description	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
DCO APPLICATION	A4	0	DD	NK	LH	VA	05/06/19
SUBMITTED FOR SECRETARY OF STATE REVIEW	A4	1	SA	LH	JB	SG	01/03/21

Drawing Suitability: DCO APPLICATION
Status: A4

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Client: Working on behalf of highways england

Project Title: M25 junction 10/A3 Wisley interchange

Drawing Title: PLAN AND PROFILE REGULATION 5(2)(o) AND 6(2)

SHEET 13 OF 15

Drawing Number: TR010030/APP/2.9
Rev: 1

HE PIN: HE551522
Scale: 1:1000
Original Size: A1

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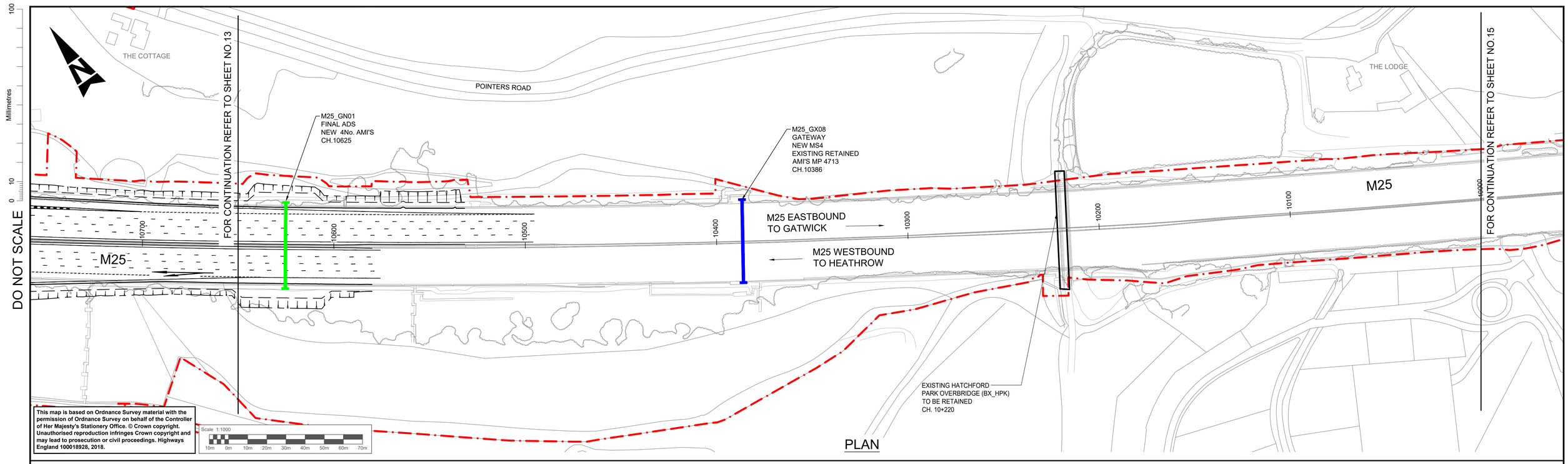
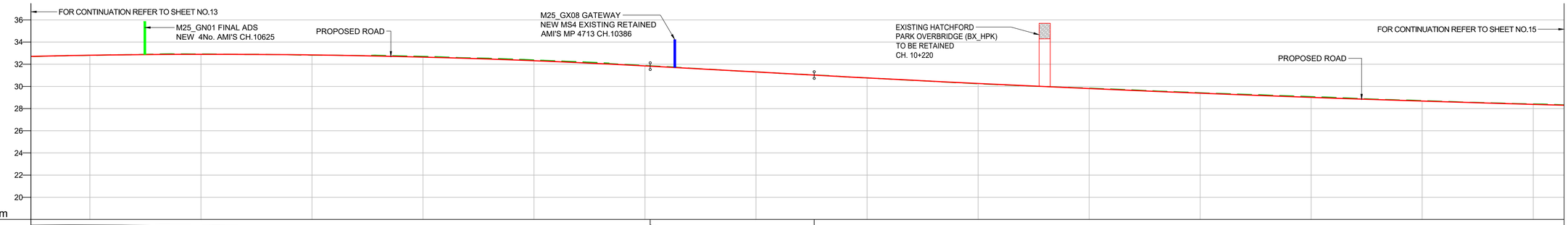


PLAN



VERTICAL ALIGNMENT	R =18200.000 L =523.714			G =1.085% L =73.870										R =60000.000 L =623.314
HORIZONTAL ALIGNMENT		R= 6500.000 L= 836.107							R= 6500.000 L= 836.107					
DESIGN LEVELS	32.8	32.9	32.8	32.6	32.3	31.8	31.3	30.8	30.3	29.8	29.4	29.0	28.7	28.4
EXISTING LEVELS	32.8	32.9	32.8	32.7	32.4	31.9	31.3	30.8	30.2	29.8	29.4	29.1	28.7	28.4
CHAINAGE	10650	10600	10550	10500	10450	10400	10350	10300	10250	10200	10150	10100	10050	10000

Scale 1:1000
10m 0m 10m 20m 30m 40m 50m 60m 70m

LONGITUDINAL SECTION - M25 MAINLINE

SCALE = H - 1:1000
V - 1:200

NOTES

1. ALL DIMENSIONS ARE IN METRES UNLESS STATED OTHERWISE.
2. ONLY THE KEY FOR THE LONGITUDINAL SECTION IS SHOWN ON THIS DRAWING. REFER TO THE SCHEME LAYOUT DRAWING NO. HE551522-ATK-LDC-XX_KP-DR-ZL-020902 FOR DETAILS OF THE KEY ASSOCIATED WITH THE PLAN.
3. THESE PLANS SHOULD BE READ IN CONJUNCTION WITH THE OTHER PLANS AND DOCUMENTS IN THE DEVELOPMENT CONSENT ORDER (DCO). THE PROPOSED SCHEME WILL BE SUBJECT TO THE DEVELOPMENT OF A DETAILED DESIGN WITHIN THE LIMITS OF DEVIATION, AS SHOWN ON THE WORKS PLANS.
4. LIMITS OF DEVIATION: HORIZONTAL POSITION MAY VARY WITHIN THE DEVELOPMENT CONSENT ORDER (DCO) BOUNDARY & VERTICALLY +1m TO -3m.
5. ALL DETAILS SHOWN ON THE LONGITUDINAL PROFILE REFERRING TO THE RETAINING WALLS, BRIDGE DECKS, GANTRIES AND CULVERTS ARE INDICATIVE ONLY.

KEY (FOR LONGITUDINAL SECTION ONLY)

- PROPOSED ROAD
- EXISTING GROUND
- EXISTING RETAINING WALL
- PROPOSED RETAINING WALL
- PROPOSED GROUND
- ℄ OVERHEAD POWER LINE
- NEW GANTRY
- GANTRY TO BE UPGRADED

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).

Construction
NONE

Maintenance / Cleaning
NONE

Use
NONE

Decommissioning / Demolition
NONE

Description	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
DCO APPLICATION	A4	0	DD	NK	LH	VA	05/06/19
SUBMITTED FOR SECRETARY OF STATE REVIEW	A4	1	SA	LH	JB	SG	01/03/21

Drawing Suitability: DCO APPLICATION
Status: A4

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Client: Working on behalf of highways england

Project Title: M25 junction 10/A3 Wisley interchange

Drawing Title: PLAN AND PROFILE REGULATION 5(2)(o) AND 6(2)

SHEET 14 OF 15

Drawing Number: TR010030/APP/2.9
Rev: 1

HE PIN: HE551522
Scale: 1:1000
Original Size: A1

This Drawing is saved on ProjectWise. Plotted: 01/03/2021 16:38:10 By: ARRO9099

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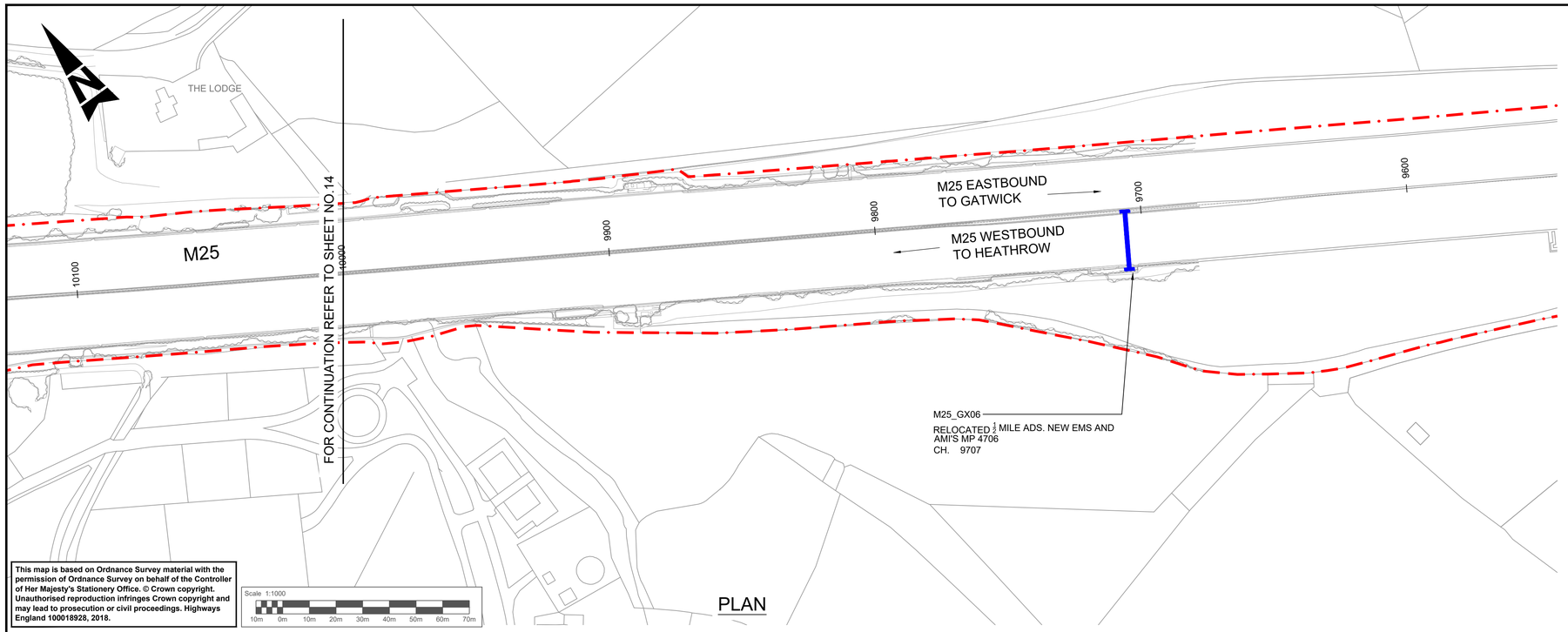

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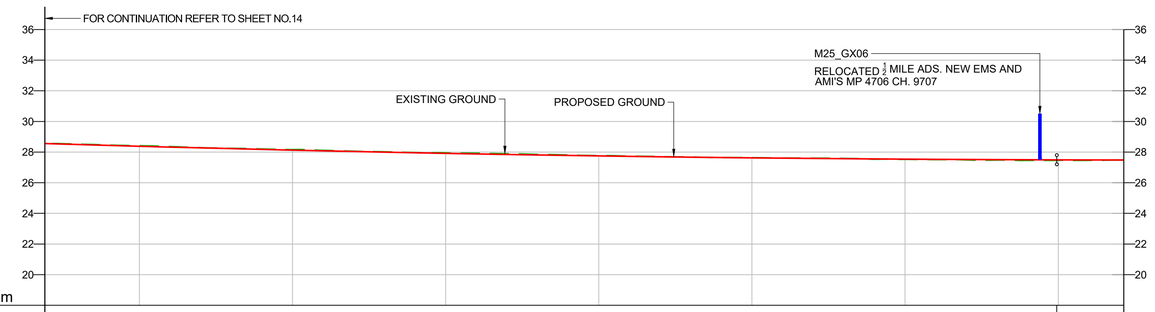
Scale 1:1000
10m 0m 10m 20m 30m 40m 50m 60m 70m

PLAN



VERTICAL ALIGNMENT	R =60000.000 L =623.314					G =0.046% L =21.897	
HORIZONTAL ALIGNMENT	L =621.390						
DESIGN LEVELS	28.4	28.1	27.9	27.8	27.6	27.5	27.5	27.5
EXISTING LEVELS	28.4	28.2	27.9	27.8	27.6	27.5	27.5	27.5
CHAINAGE	10000	9950	9900	9850	9800	9750	9700	9680

Scale 1:1000
10m 0m 10m 20m 30m 40m 50m 60m 70m

LONGITUDINAL SECTION - M25 MAINLINE

SCALE = H - 1:1000
V - 1:200

NOTES

1. ALL DIMENSIONS ARE IN METRES UNLESS STATED OTHERWISE.
2. ONLY THE KEY FOR THE LONGITUDINAL SECTION IS SHOWN ON THIS DRAWING. REFER TO THE SCHEME LAYOUT DRAWING NO. HE551522-ATK-LDC-XX_KP-DR-ZL-020902 FOR DETAILS OF THE KEY ASSOCIATED WITH THE PLAN.
3. THESE PLANS SHOULD BE READ IN CONJUNCTION WITH THE OTHER PLANS AND DOCUMENTS IN THE DEVELOPMENT CONSENT ORDER (DCO). THE PROPOSED SCHEME WILL BE SUBJECT TO THE DEVELOPMENT OF A DETAILED DESIGN WITHIN THE LIMITS OF DEVIATION, AS SHOWN ON THE WORKS PLANS.
4. LIMITS OF DEVIATION: HORIZONTAL POSITION MAY VARY WITHIN THE DEVELOPMENT CONSENT ORDER (DCO) BOUNDARY & VERTICALLY +1m TO -3m.
5. ALL DETAILS SHOWN ON THE LONGITUDINAL PROFILE REFERRING TO THE RETAINING WALLS, BRIDGE DECKS, GANTRIES AND CULVERTS ARE INDICATIVE ONLY.

KEY (FOR LONGITUDINAL SECTION ONLY)

- PROPOSED ROAD
- EXISTING GROUND
- EXISTING RETAINING WALL
- PROPOSED RETAINING WALL
- PROPOSED GROUND
- ℄ OVERHEAD POWER LINE
- NEW GANTRY
- GANTRY TO BE UPGRADED

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).

Construction
NONE

Maintenance / Cleaning
NONE

Use
NONE

Decommissioning / Demolition
NONE

Description	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
DCO APPLICATION	A4	0	DD	NK	LH	VA	05/06/19

Drawing Suitability: DCO APPLICATION
Status: A4

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Client: Working on behalf of highways england

Project Title: M25 junction 10/A3 Wisley interchange

Drawing Title: PLAN AND PROFILE
REGULATION 5(2)(o) AND 6(2)

SHEET 15 OF 15

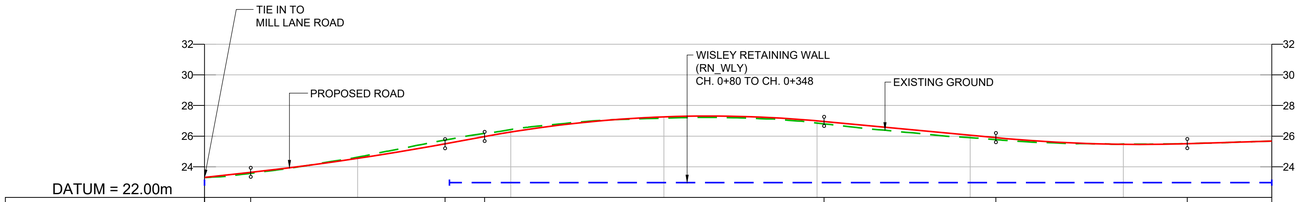
Drawing Number: TR010030/APP/2.9
Rev: 0

HE PIN: HE551522
Scale: 1:1000
Original Size: A1

This Drawing is saved on ProjectWise. Plotted: 13/06/2019 08:49:06 By: ARRO9099

DO NOT SCALE

Millimetres 0 10 100



VERTICAL ALIGNMENT	G =2.215% L =15.068	R =4400.000 L =63.483	G =3.658% L =12.923	R =2000.000 L =110.790	G =-1.881% L =56.102	R =2500.000 L =62.472	G =0.618% L =27.608
HORIZONTAL ALIGNMENT	L =6.840	R= 500.000 L= 70.281	L =2.155	R= 1020.000 L= 102.004	L =167.166		
DESIGN LEVELS	23.3	24.5	26.3	27.3	27.0	26.1	25.5	25.7
EXISTING LEVELS	23.3	24.6	26.4	27.2	26.9	25.9	25.5	25.7
CHAINAGE	00	50	100	150	200	250	300	348

LONGITUDINAL SECTION - OCKHAM PARK JUNCTION TO A3 NORTHBOUND ON-SLIP

SCALE 1:1000 H / 1:200 V

Scale 1:1000
10m 0m 10m 20m 30m 40m 50m 60m 70m

Scale 1:200
5m 0m 5m 10m

NOTES:

1. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE STATED.
2. LIMITS OF DEVIATION: HORIZONTAL POSITION MAY VARY WITHIN THE RED LINE BOUNDARY & VERTICALLY +1m TO -3m.
3. THE RETAINING WALLS, BRIDGE DECKS,CULVERT AND OVERHEAD POWER LINE DETAILS ARE INDICATIVE ONLY.

KEY:

- PROPOSED ROAD
- EXISTING GROUND
- EXISTING RETAINING WALL
- PROPOSED RETAINING WALL
- PROPOSED GROUND
- ℄ OVERHEAD POWER LINE

Description	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
DCO Application	A4	0	SA	RM	VA	CT	07/06/19

Drawing Suitability: DCO APPLICATION
Status: A4

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Client: Working on behalf of highways england

Project Title: M25 junction 10/A3 Wisley interchange

Drawing Title: LONGITUDINAL PROFILE
REGULATION 5(2)(o) AND 6(2)

SHEET 1 OF25

Drawing Number: TR010030/APP/2.9
Rev: 0

HE PIN: HE551522
Scale: AS SHOWN
Original Size: A1

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DO NOT SCALE

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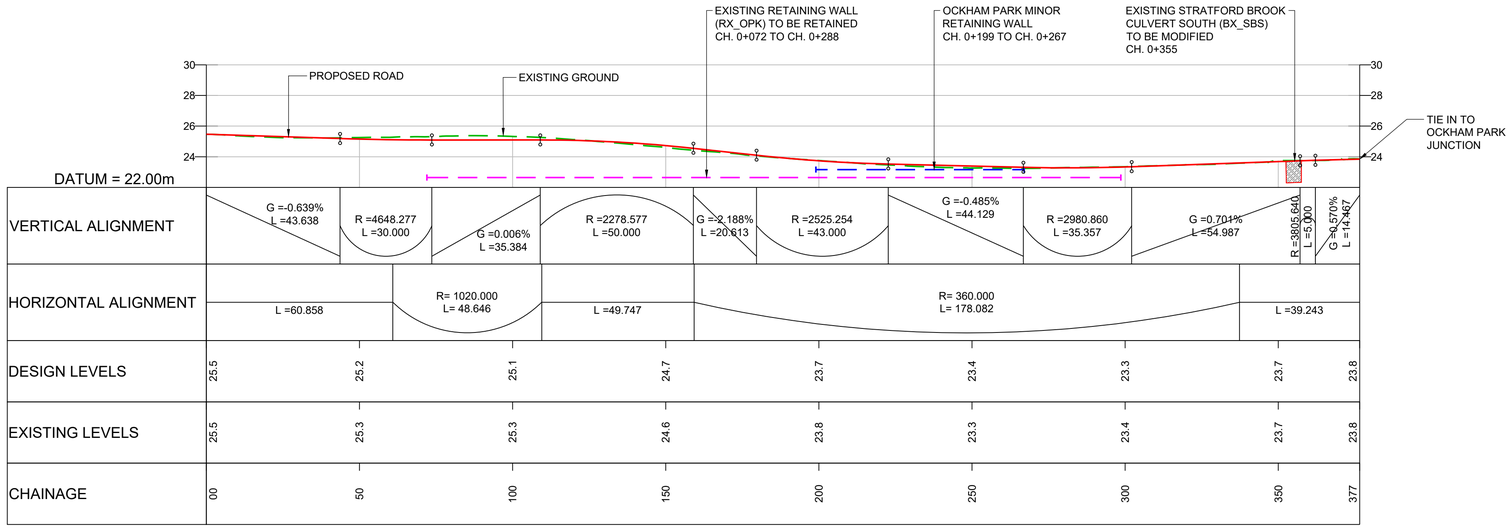

LONGITUDINAL SECTION - A3 SOUTHBOUND OFF-SLIP TO OCKHAM PARK JUNCTION

SCALE 1:1000 H / 1:200 V

Scale 1:1000
10m 0m 10m 20m 30m 40m 50m 60m 70m

Scale 1:200
5m 0m 5m 10m

NOTES:

1. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE STATED.
2. LIMITS OF DEVIATION: HORIZONTAL POSITION MAY VARY WITHIN THE RED LINE BOUNDARY & VERTICALLY +1m TO -3m.
3. THE RETAINING WALLS, BRIDGE DECKS,CULVERT AND OVERHEAD POWER LINE DETAILS ARE INDICATIVE ONLY.

KEY:

- PROPOSED ROAD
- EXISTING GROUND
- EXISTING RETAINING WALL
- PROPOSED RETAINING WALL
- PROPOSED GROUND
- ℄ OVERHEAD POWER LINE

Description	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
DCO Application	A4	0	SA	RM	VA	CT	07/06/19

Drawing Suitability: DCO APPLICATION
Status: A4

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Client: Working on behalf of highways england

Project Title: M25 junction 10/A3 Wisley interchange

Drawing Title: LONGITUDINAL PROFILE REGULATION 5(2)(o) AND 6(2)

SHEET 2 OF25

Drawing Number: TR010030/APP/2.9

Rev: 0

HE PIN: HE551522 | Scale: AS SHOWN | Original Size: A1

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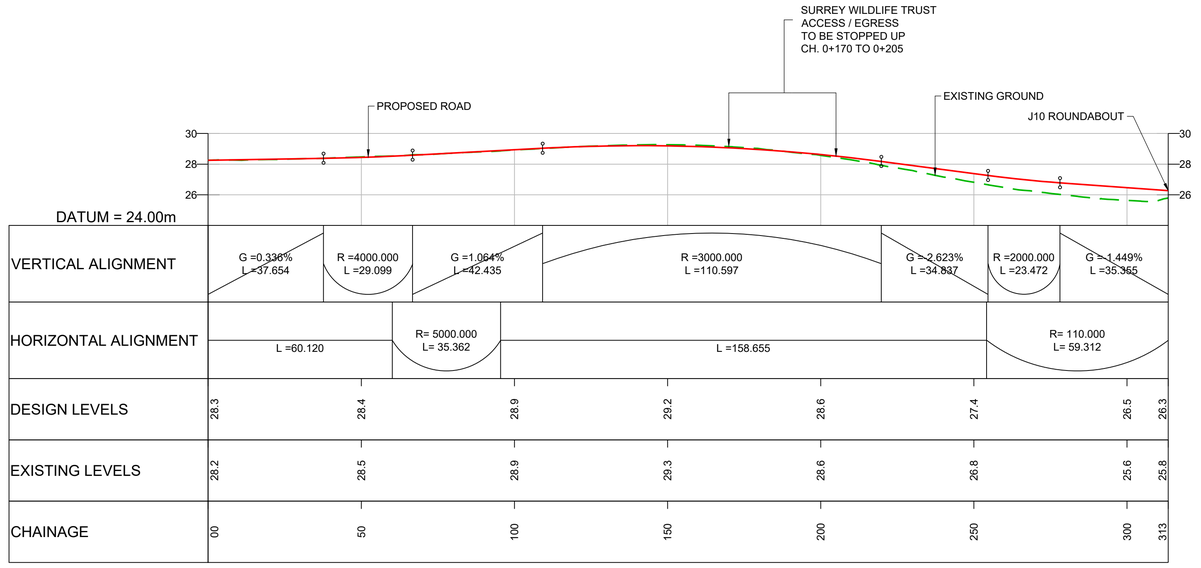
DO NOT SCALE

Millimetres 0 10 100



LONGITUDINAL SECTION - REALIGNED A3 NORTHBOUND OFF-SLIP TO M25 JUNCTION 10

SCALE 1:1000 H / 1:200 V

Scale 1:1000
10m 0m 10m 20m 30m 40m 50m 60m 70m

Scale 1:200
5m 0m 5m 10m

NOTES:

1. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE STATED.
2. LIMITS OF DEVIATION: HORIZONTAL POSITION MAY VARY WITHIN THE RED LINE BOUNDARY & VERTICALLY +1m TO -3m.
3. THE RETAINING WALLS, BRIDGE DECKS,CULVERT AND OVERHEAD POWER LINE DETAILS ARE INDICATIVE ONLY.

KEY:

- PROPOSED ROAD
- EXISTING GROUND
- EXISTING RETAINING WALL
- PROPOSED RETAINING WALL
- PROPOSED GROUND
- ℄ OVERHEAD POWER LINE

Description	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
DCO Application	A4	0	SA	RM	VA	CT	07/06/19

Drawing Suitability: DCO APPLICATION
Status: A4

Project Title: M25 junction 10/A3 Wisley interchange

Drawing Title: LONGITUDINAL PROFILE REGULATION 5(2)(o) AND 6(2)

SHEET 3 OF25

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Client: Working on behalf of highways england

Drawing Number: TR010030/APP/2.9
Rev: 0

HE PIN: HE551522
Scale: AS SHOWN
Original Size: A1

This Drawing is saved on ProjectWise. Plotted: 13/06/2019 08:48:09 By: ARRO9099

DO NOT SCALE

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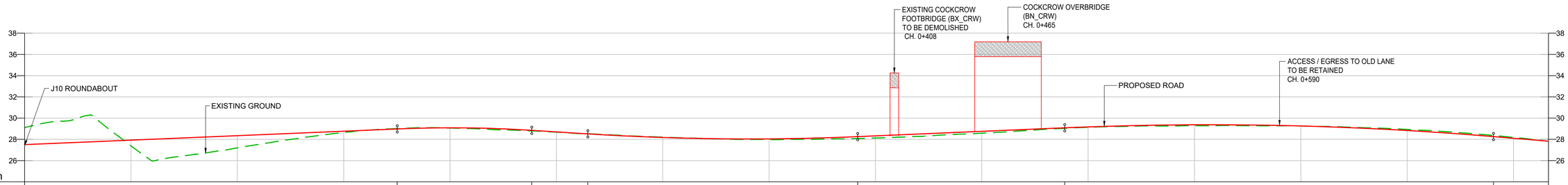

DATUM = 24.00m

| | | |

DO NOT SCALE

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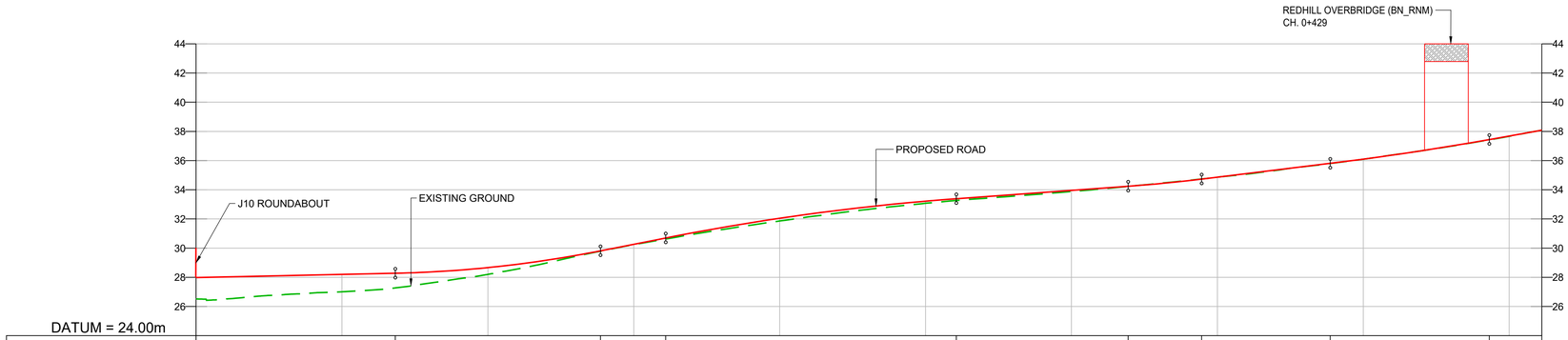

DATUM = 24.00m

VERTICAL ALIGNMENT	G =0.428% L =68.266	R =2000.000 L =70.330	G =3.944% L =22.330	R =4000.000 L =99.615	G =1.454% L =58.873	R =2534.510 L =25.203	G =2.448% L =44.065	R =5000.000 L =54.493	G =3.538% L =17.987	
HORIZONTAL ALIGNMENT	R= 100.000 L= 49.423	R= 500.000 L= 54.485	R= 6000.000 L= 191.071	R= 2451.358 L= 166.185						
DESIGN LEVELS	28.0	28.2	28.7	30.3	32.0	33.2	34.0	34.9	36.1	37.7	38.1
EXISTING LEVELS	26.5	27.0	28.2	30.2	31.9	33.1	33.9	34.9	36.1	37.7	38.1
CHAINAGE	00	50	100	150	200	250	300	350	400	450	461

LONGITUDINAL SECTION - M25 JUNCTION 10 TO REALIGNED A3 NORTHBOUND ON-SLIP

SCALE 1:1000 H / 1:200 V

Scale 1:1000
10m 0m 10m 20m 30m 40m 50m 60m 70m

Scale 1:200
5m 0m 5m 10m

NOTES:

1. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE STATED.
2. LIMITS OF DEVIATION: HORIZONTAL POSITION MAY VARY WITHIN THE RED LINE BOUNDARY & VERTICALLY +1m TO -3m.
3. THE RETAINING WALLS, BRIDGE DECKS,CULVERT AND OVERHEAD POWER LINE DETAILS ARE INDICATIVE ONLY.

KEY:

- PROPOSED ROAD
- EXISTING GROUND
- EXISTING RETAINING WALL
- PROPOSED RETAINING WALL
- PROPOSED GROUND
- OVERHEAD POWER LINE

Description	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
DCO Application	A4	0	SA	RM	VA	CT	07/06/19

Drawing Suitability: DCO APPLICATION
Status: A4

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Client: Working on behalf of highways england

Project Title: M25 junction 10/A3 Wisley interchange

Drawing Title: LONGITUDINAL PROFILE REGULATION 5(2)(o) AND 6(2)

SHEET 5 OF25

Drawing Number: TR010030/APP/2.9

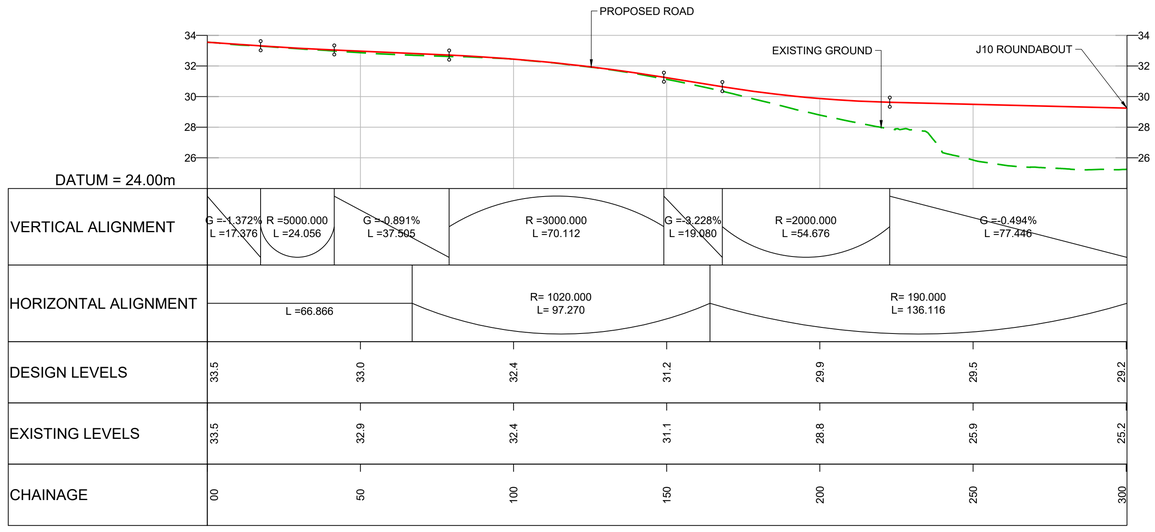
Rev: 0

HE PIN: HE551522 | Scale: AS SHOWN | Original Size: A1

This Drawing is saved on ProjectWise. Plotted: 13/06/2019 08:45:51 By: ARRO9099

DO NOT SCALE

Millimetres 0 10 100



LONGITUDINAL SECTION - REALIGNED A3 SOUTHBOUND OFF-SLIP TO M25 JUNCTION 10

SCALE 1:1000 H / 1:200 V

Scale 1:1000
10m 0m 10m 20m 30m 40m 50m 60m 70m

Scale 1:200
5m 0m 5m 10m

NOTES:

1. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE STATED.
2. LIMITS OF DEVIATION: HORIZONTAL POSITION MAY VARY WITHIN THE RED LINE BOUNDARY & VERTICALLY +1m TO -3m.
3. THE RETAINING WALLS, BRIDGE DECKS,CULVERT AND OVERHEAD POWER LINE DETAILS ARE INDICATIVE ONLY.

KEY:

- PROPOSED ROAD
- EXISTING GROUND
- EXISTING RETAINING WALL
- PROPOSED RETAINING WALL
- PROPOSED GROUND
- ℄ OVERHEAD POWER LINE

Description	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
DCO Application	A4	0	SA	RM	VA	CT	07/06/19

Drawing Suitability: DCO APPLICATION
Status: A4

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Client: Working on behalf of highways england

Project Title: M25 junction 10/A3 Wisley interchange

Drawing Title: LONGITUDINAL PROFILE
REGULATION 5(2)(o) AND 6(2)

SHEET 6 OF25

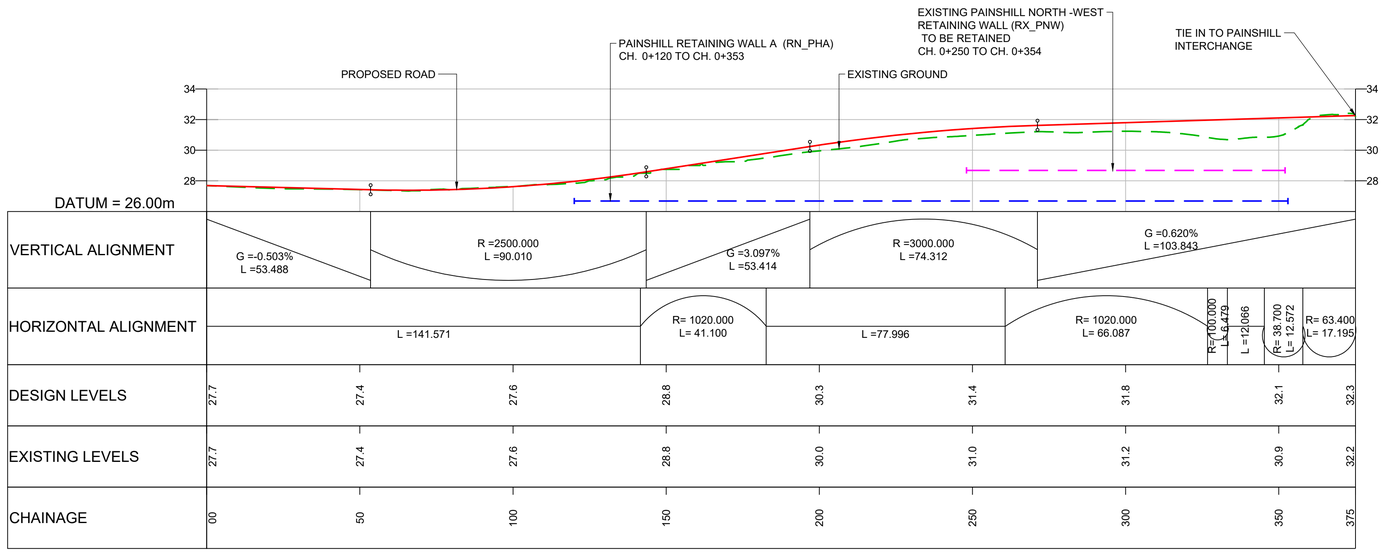
Drawing Number: TR010030/APP/2.9
Rev: 0

HE PIN: HE551522
Scale: AS SHOWN
Original Size: A1

This Drawing is saved on ProjectWise. Plotted: 13/06/2019 08:45:35 By: ARRO9099

DO NOT SCALE

Millimetres 0 10 100



| | | |

DO NOT SCALE

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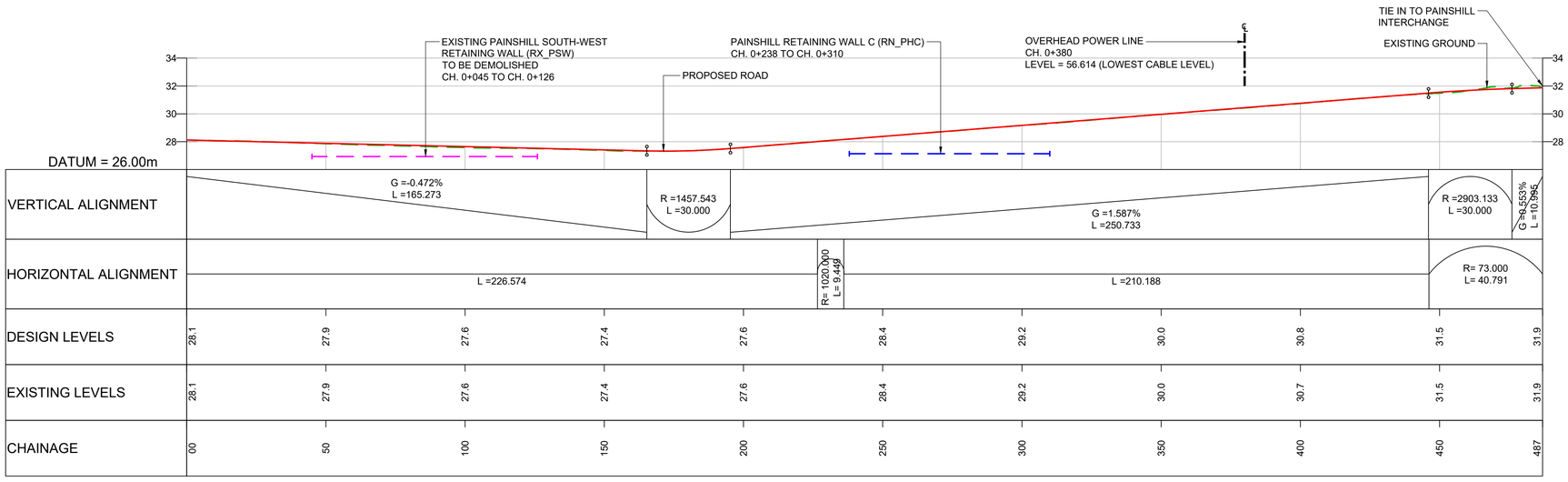

VERTICAL ALIGNMENT	G =-0.472% L =165.273		R =1457.543 L =30.000	G =1.587% L =250.733					R =2903.133 L =30.000	G =0.553% L =10.095	
HORIZONTAL ALIGNMENT	L =226.574		R= 1020.000 L = 9.449	L =210.188					R= 73.000 L= 40.791		
DESIGN LEVELS	28.1	27.9	27.6	27.4	27.6	28.4	29.2	30.0	30.8	31.5	31.9
EXISTING LEVELS	28.1	27.9	27.6	27.4	27.6	28.4	29.2	30.0	30.7	31.5	31.9
CHAINAGE	00	50	100	150	200	250	300	350	400	450	487

LONGITUDINAL SECTION - PAINSHILL JUNCTION TO A3 SOUTHBOUND ON-SLIP

SCALE 1:1000 H / 1:200 V

Scale 1:1000
10m 0m 10m 20m 30m 40m 50m 60m 70m

Scale 1:200
5m 0m 5m 10m

NOTES:

1. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE STATED.
2. LIMITS OF DEVIATION: HORIZONTAL POSITION MAY VARY WITHIN THE RED LINE BOUNDARY & VERTICALLY +1m TO -3m.
3. THE RETAINING WALLS, BRIDGE DECKS,CULVERT AND OVERHEAD POWER LINE DETAILS ARE INDICATIVE ONLY.

KEY:

- PROPOSED ROAD
- EXISTING GROUND
- EXISTING RETAINING WALL
- PROPOSED RETAINING WALL
- PROPOSED GROUND
- ℄ OVERHEAD POWER LINE

Description	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
DCO Application	A4	0	SA	RM	VA	CT	07/06/19

Drawing Suitability: DCO APPLICATION
Status: A4

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Client: Working on behalf of highways england

Project Title: M25 junction 10/A3 Wisley interchange

Drawing Title: LONGITUDINAL PROFILE REGULATION 5(2)(o) AND 6(2)

SHEET 8 OF25

Drawing Number: TR010030/APP/2.9

Rev: 0

HE PIN: HE551522 | Scale: AS SHOWN | Original Size: A1

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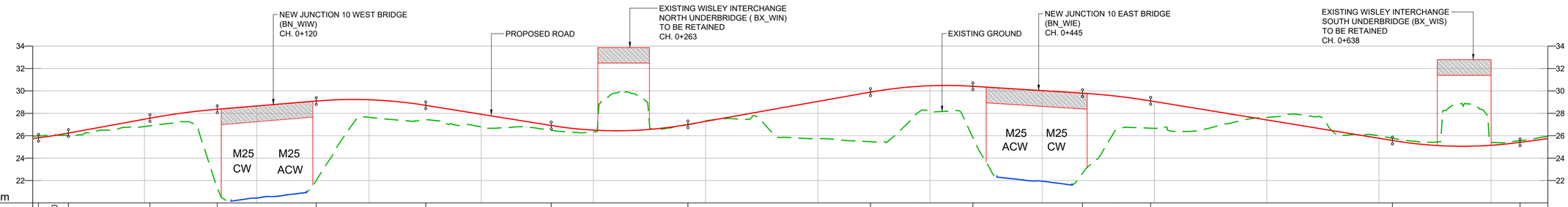
DO NOT SCALE

Millimetres 0 10 100



DATUM = 20.00m

VERTICAL ALIGNMENT	G =2.705% L =2.514 R =1400.000 L =13.335	G =3.657% L =36.348	R =1500.000 L =30.003	G =1.657% L =44.073	R =1000.000 L =48.810	G =-3.224% L =55.909	R =900.000 L =60.925	G =3.545% L =81.309	R =950.000 L =45.639	G =-1.259% L =48.862	R =1500.000 L =30.335	G =-3.281% L =107.733	R =950.000 L =56.868	G =2.705% L =12.441
HORIZONTAL ALIGNMENT	R= 73.020 L= 227.368					L =108.160		R= 73.006 L= 229.355					L =110.191	
DESIGN LEVELS	25.7	27.5	28.7	29.2	27.9	26.5	27.3	29.1	30.5	30.0	29.1	27.4	25.8	25.1	25.7
EXISTING LEVELS	26.0	26.8	20.5	27.6	26.8	26.3	27.3	25.7	28.1	21.9	26.7	27.6	26.0	25.4	26.0
CHAINAGE	00	50	100	150	200	250	300	350	400	450	500	550	600	650	675

LONGITUDINAL SECTION - M25 JUNCTION 10 ROUNDABOUT

SCALE 1:1000 H / 1:200 V

Scale 1:1000
10m 0m 10m 20m 30m 40m 50m 60m 70m

Scale 1:200
5m 0m 5m 10m

NOTES:

1. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE STATED.
2. LIMITS OF DEVIATION: HORIZONTAL POSITION MAY VARY WITHIN THE RED LINE BOUNDARY & VERTICALLY +1m TO -3m.
3. THE RETAINING WALLS, BRIDGE DECKS,CULVERT AND OVERHEAD POWER LINE DETAILS ARE INDICATIVE ONLY.

KEY:

- PROPOSED ROAD
- EXISTING GROUND
- EXISTING RETAINING WALL
- PROPOSED RETAINING WALL
- PROPOSED GROUND
- ℄ OVERHEAD POWER LINE

Description	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
DCO Application	A4	0	SA	RM	VA	CT	07/06/19

Drawing Suitability: DCO APPLICATION
Status: A4

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www.atkinsglobal.com

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Client: Working on behalf of highways england

Project Title: M25 junction 10/A3 Wisley interchange

Drawing Title: LONGITUDINAL PROFILE
REGULATION 5(2)(o) AND 6(2)

SHEET 9 OF25

Drawing Number: TR010030/APP/2.9
Rev: 0

HE PIN: HE551522
Scale: AS SHOWN
Original Size: A1

This Drawing is saved on ProjectWise. Plotted: 13/06/2019 08:48:59 By: ARRO9099

DO NOT SCALE

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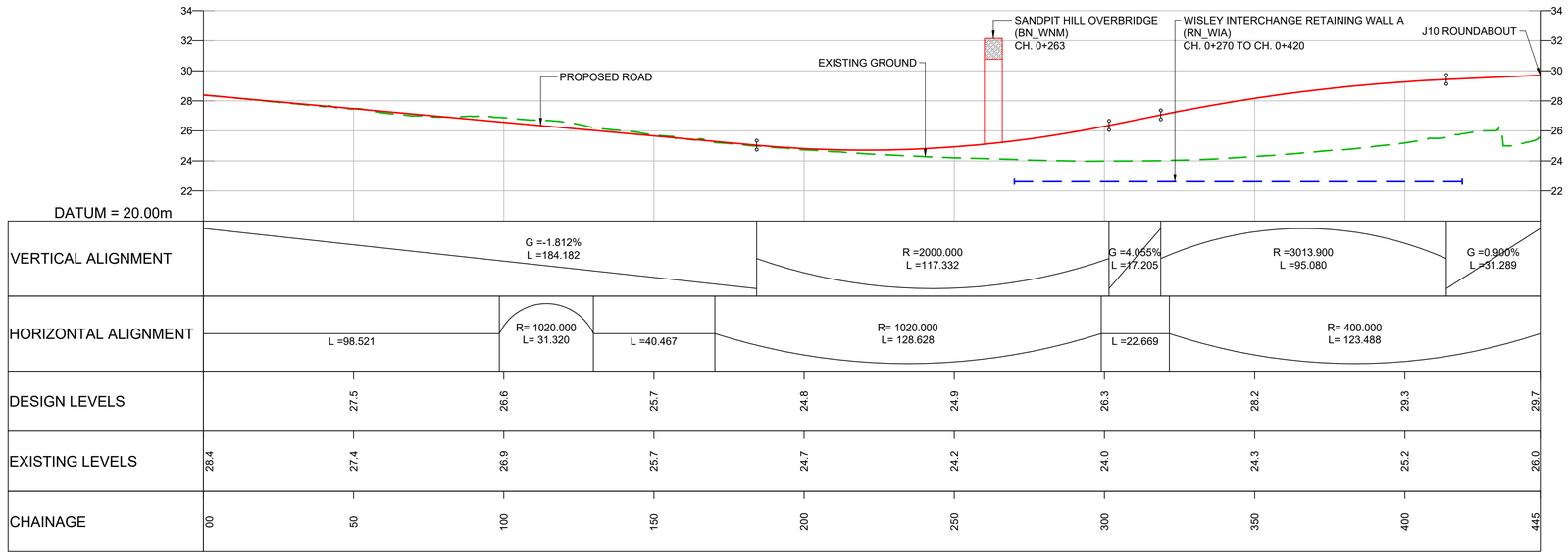

LONGITUDINAL SECTION - M25 WESTBOUND OFF-SLIP TO M25 JUNCTION 10

SCALE 1:1000 H / 1:200 V

Scale 1:1000
10m 0m 10m 20m 30m 40m 50m 60m 70m

Scale 1:200
5m 0m 5m 10m

NOTES:

1. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE STATED.
2. LIMITS OF DEVIATION: HORIZONTAL POSITION MAY VARY WITHIN THE RED LINE BOUNDARY & VERTICALLY +1m TO -3m.
3. THE RETAINING WALLS, BRIDGE DECKS,CULVERT AND OVERHEAD POWER LINE DETAILS ARE INDICATIVE ONLY.

KEY:

- PROPOSED ROAD
- EXISTING GROUND
- EXISTING RETAINING WALL
- PROPOSED RETAINING WALL
- PROPOSED GROUND
- ℄ OVERHEAD POWER LINE

Description	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
DCO Application	A4	0	SA	RM	VA	CT	07/06/19

Drawing Suitability: DCO APPLICATION
Status: A4

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Client: Working on behalf of highways england

Project Title: M25 junction 10/A3 Wisley interchange

Drawing Title: LONGITUDINAL PROFILE
REGULATION 5(2)(o) AND 6(2)

SHEET 10 OF 25

Drawing Number: TR010030/APP/2.9
Rev: 0

HE PIN: HE551522
Scale: AS SHOWN
Original Size: A1

This Drawing is saved on ProjectWise. Plotted: 13/06/2019 08:49:16 By: ARRO9099

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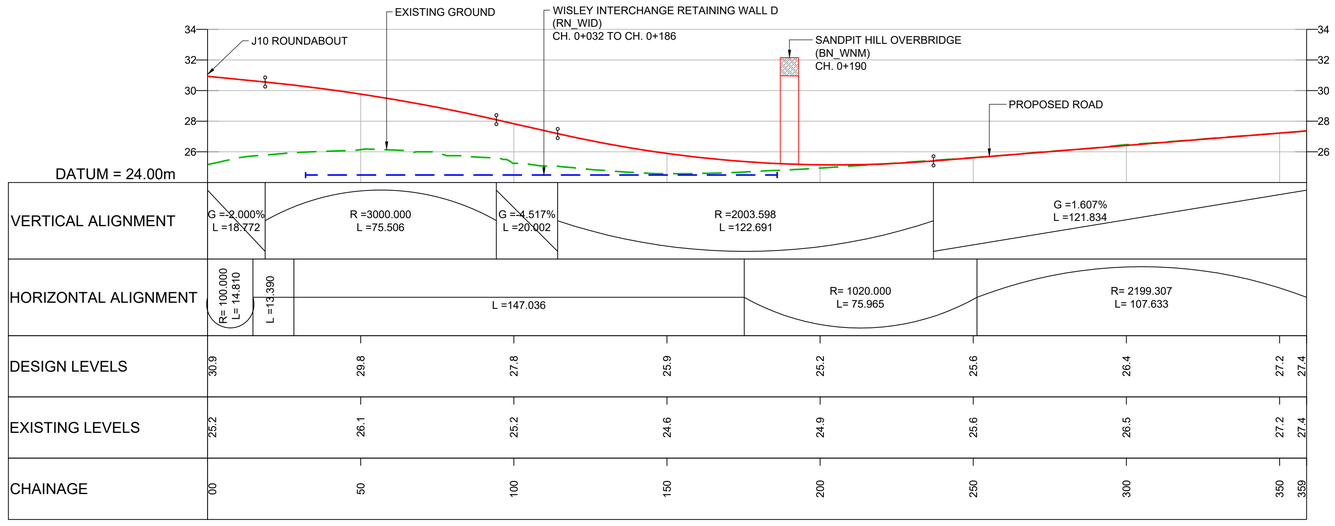

LONGITUDINAL SECTION - M25 JUNCTION 10 TO M25 EASTBOUND ON-SLIP

SCALE 1:1000 H / 1:200 V

Scale 1:1000
10m 0m 10m 20m 30m 40m 50m 60m 70m

Scale 1:200
5m 0m 5m 10m

NOTES:

1. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE STATED.
2. LIMITS OF DEVIATION: HORIZONTAL POSITION MAY VARY WITHIN THE RED LINE BOUNDARY & VERTICALLY +1m TO -3m.
3. THE RETAINING WALLS, BRIDGE DECKS,CULVERT AND OVERHEAD POWER LINE DETAILS ARE INDICATIVE ONLY.

KEY:

- PROPOSED ROAD
- EXISTING GROUND
- EXISTING RETAINING WALL
- PROPOSED RETAINING WALL
- PROPOSED GROUND
- ℄ OVERHEAD POWER LINE

Description	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
DCO Application	A4	0	SA	RM	VA	CT	07/06/19

Drawing Suitability: DCO APPLICATION
Status: A4

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Client: Working on behalf of highways england

Project Title: M25 junction 10/A3 Wisley interchange

Drawing Title: LONGITUDINAL PROFILE
REGULATION 5(2)(o) AND 6(2)

SHEET 11 OF 25

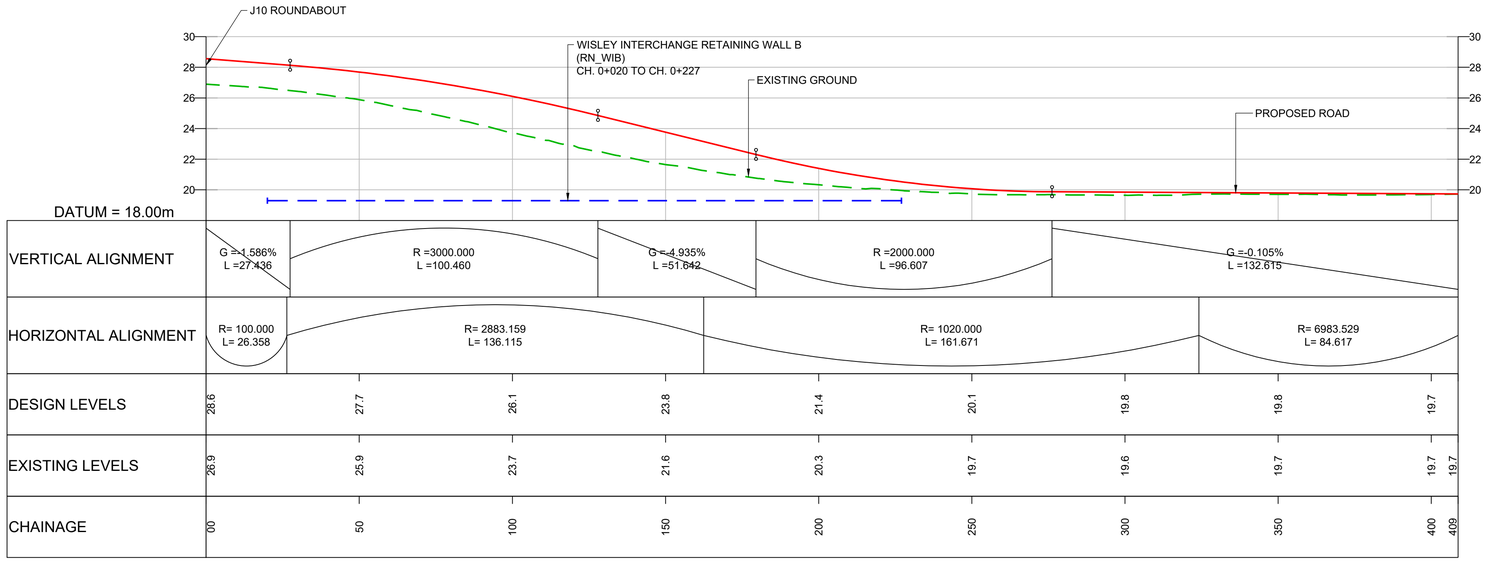
Drawing Number: TR010030/APP/2.9
Rev: 0

HE PIN: HE551522
Scale: AS SHOWN
Original Size: A1

This Drawing is saved on ProjectWise. Plotted: 13/06/2019 08:49:24 By: ARRO9099

DO NOT SCALE

Millimetres 0 10 100



LONGITUDINAL SECTION - M25 JUNCTION 10 TO M25 WESTBOUND ON-SLIP

SCALE 1:1000 H / 1:200 V

Scale 1:1000
10m 0m 10m 20m 30m 40m 50m 60m 70m

Scale 1:200
5m 0m 5m 10m

NOTES:

1. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE STATED.
2. LIMITS OF DEVIATION: HORIZONTAL POSITION MAY VARY WITHIN THE RED LINE BOUNDARY & VERTICALLY +1m TO -3m.
3. THE RETAINING WALLS, BRIDGE DECKS,CULVERT AND OVERHEAD POWER LINE DETAILS ARE INDICATIVE ONLY.

KEY:

- PROPOSED ROAD
- EXISTING GROUND
- EXISTING RETAINING WALL
- PROPOSED RETAINING WALL
- PROPOSED GROUND
- ℄ OVERHEAD POWER LINE

Description	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
DCO Application	A4	0	SA	RM	VA	CT	07/06/19

Drawing Suitability: DCO APPLICATION
Status: A4

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Client: Working on behalf of highways england

Project Title: M25 junction 10/A3 Wisley interchange

Drawing Title: LONGITUDINAL PROFILE
REGULATION 5(2)(o) AND 6(2)

SHEET 12 OF 25

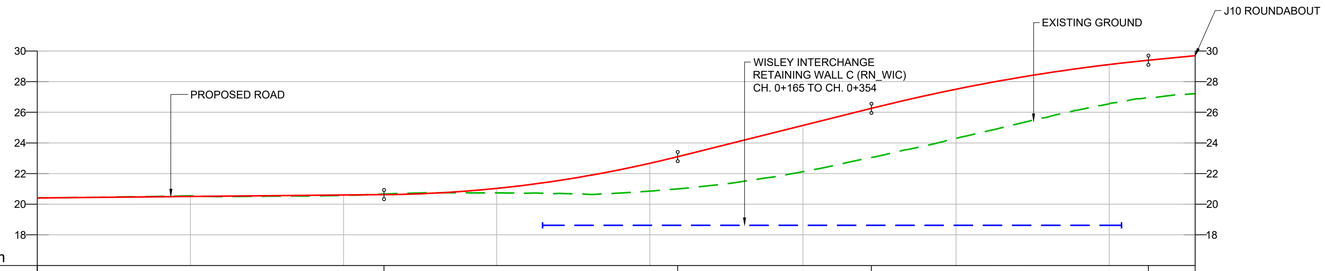
Drawing Number: TR010030/APP/2.9
Rev: 0

HE PIN: HE551522
Scale: AS SHOWN
Original Size: A1

This Drawing is saved on ProjectWise. Plotted: 13/06/2019 08:49:40 By: ARRO9099

DO NOT SCALE

Millimetres 0 10 100



DATUM = 16.00m

VERTICAL ALIGNMENT	G =0.188% L =113.204	R =2000.000 L =95.903	G =4.983% L =63.219	R =3000.000 L =90.458	G =1.958% L =15.260			
HORIZONTAL ALIGNMENT	L =74.522	R= 1020.000 L= 67.693	L =204.280	R= 150.000 L= 31.550				
DESIGN LEVELS	20.4	20.5	20.6	21.0	22.7	25.1	27.5	29.1	29.7
EXISTING LEVELS	20.4	20.6	20.6	20.7	20.9	22.1	24.3	26.6	27.2
CHAINAGE	00	50	100	150	200	250	300	350	378

LONGITUDINAL SECTION - M25 EASTBOUND OFF-SLIP TO M25 JUNCTION 10

SCALE 1:1000 H / 1:200 V

Scale 1:1000
10m 0m 10m 20m 30m 40m 50m 60m 70m

Scale 1:200
5m 0m 5m 10m

NOTES:

1. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE STATED.
2. LIMITS OF DEVIATION: HORIZONTAL POSITION MAY VARY WITHIN THE RED LINE BOUNDARY & VERTICALLY +1m TO -3m.
3. THE RETAINING WALLS, BRIDGE DECKS,CULVERT AND OVERHEAD POWER LINE DETAILS ARE INDICATIVE ONLY.

KEY:

- PROPOSED ROAD
- EXISTING GROUND
- EXISTING RETAINING WALL
- PROPOSED RETAINING WALL
- PROPOSED GROUND
- ℄ OVERHEAD POWER LINE

Description	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
DCO Application	A4	0	SA	RM	VA	CT	07/06/19

Drawing Suitability: DCO APPLICATION
Status: A4

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Client: Working on behalf of highways england

Project Title: M25 junction 10/A3 Wisley interchange

Drawing Title: LONGITUDINAL PROFILE
REGULATION 5(2)(o) AND 6(2)

SHEET 13 OF 25

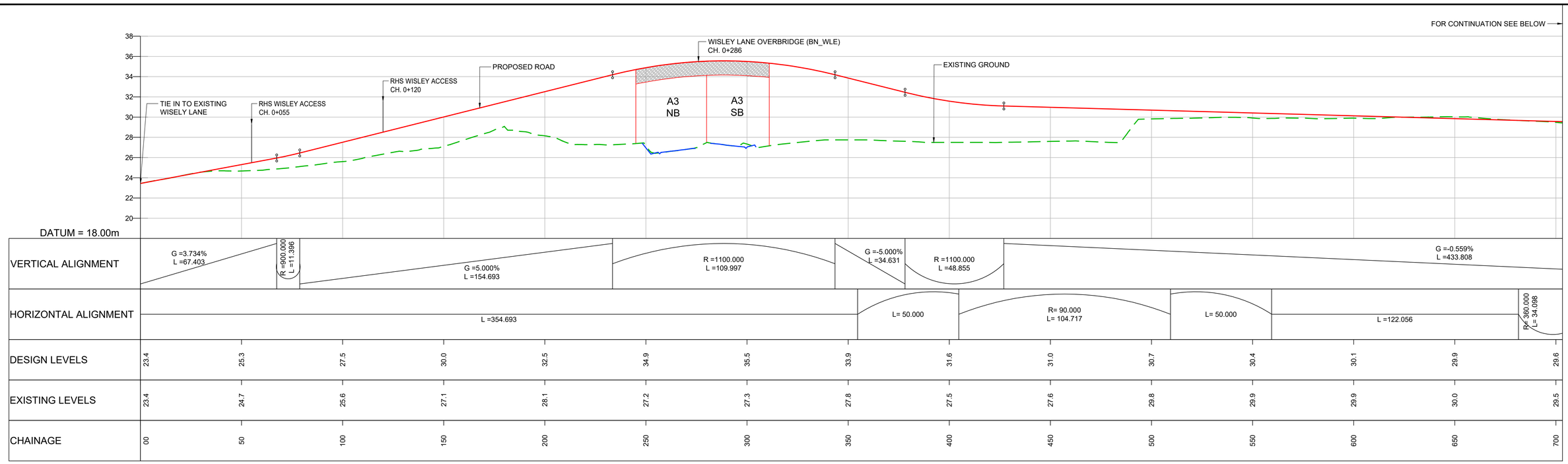
Drawing Number: TR010030/APP/2.9
Rev: 0

HE PIN: HE551522
Scale: AS SHOWN
Original Size: A1

This Drawing is saved on ProjectWise. Plotted: 13/06/2019 08:49:48 By: ARRO9099

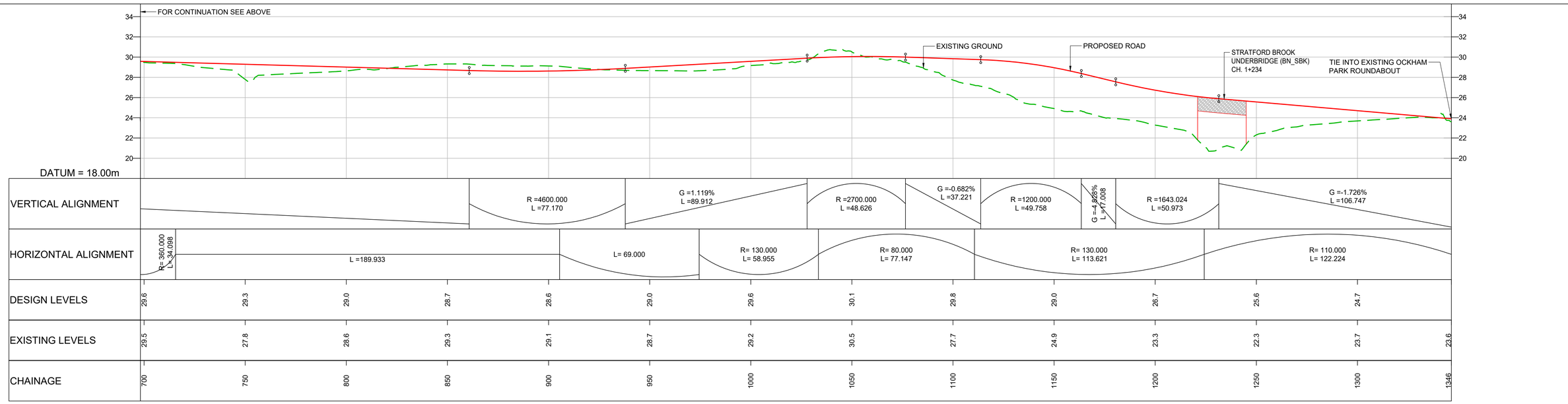
DO NOT SCALE

Millimetres 100 0 10



LONGITUDINAL SECTION - WISLEY LANE DIVERSION

SCALE 1:1000 H / 1:200 V



LONGITUDINAL SECTION -WISLEY LANE DIVERSION

SCALE 1:1000 H / 1:200 V

Scale 1:1000
10m 0m 10m 20m 30m 40m 50m 60m 70m

Scale 1:200
5m 0m 5m 10m

NOTES:

1. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE STATED.
2. LIMITS OF DEVIATION: HORIZONTAL POSITION MAY VARY WITHIN THE RED LINE BOUNDARY & VERTICALLY +1m TO -3m.
3. THE RETAINING WALLS, BRIDGE DECKS,CULVERT AND OVERHEAD POWER LINE DETAILS ARE INDICATIVE ONLY.

KEY:

- PROPOSED ROAD
- EXISTING GROUND
- EXISTING RETAINING WALL
- PROPOSED RETAINING WALL
- PROPOSED GROUND
- ℄ OVERHEAD POWER LINE

Description	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
DCO Application	A4	0	SA	RM	VA	CT	07/06/19

Drawing Suitability: DCO APPLICATION
Status: A4

Project Title: M25 junction 10/A3 Wisley interchange

Drawing Title: LONGITUDINAL PROFILE REGULATION 5(2)(o) AND 6(2)

SHEET 14 OF 25

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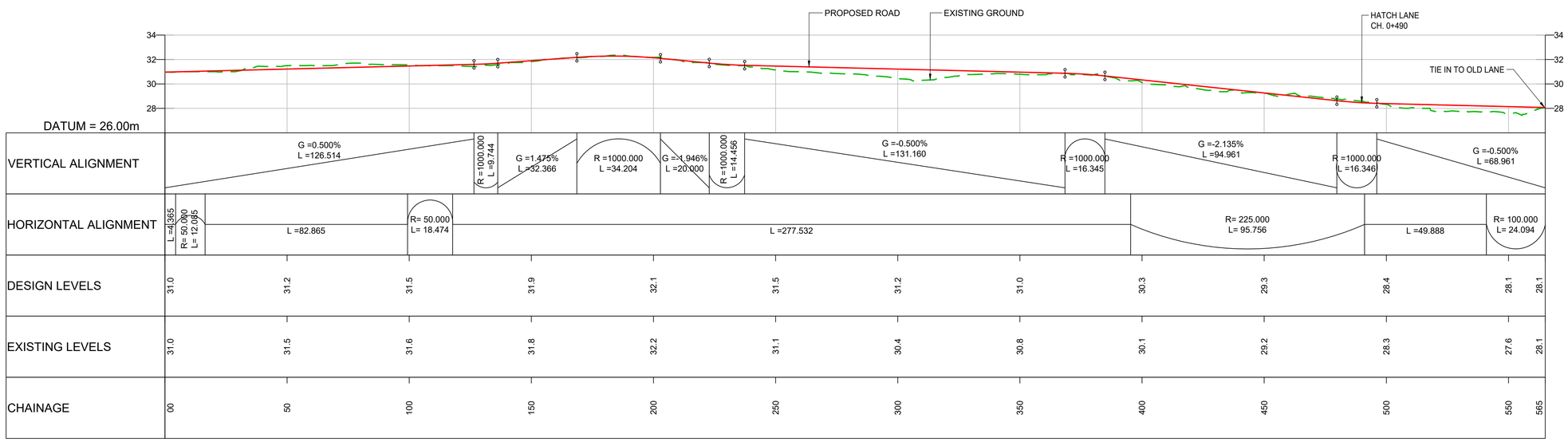
Drawing Number: TR010030/APP/2.9
Rev: 0

HE PIN: HE551522
Scale: AS SHOWN
Original Size: A1

This Drawing is saved on ProjectWise. Plotted: 13/06/2019 08:48:48 By: ARRO9099

DO NOT SCALE

Millimetres 0 10 100



LONGITUDINAL SECTION - ELM LANE

SCALE 1:1000 H / 1:200 V

Scale 1:1000
10m 0m 10m 20m 30m 40m 50m 60m 70m

Scale 1:200
5m 0m 5m 10m

NOTES:

1. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE STATED.
2. LIMITS OF DEVIATION: HORIZONTAL POSITION MAY VARY WITHIN THE RED LINE BOUNDARY & VERTICALLY +1m TO -3m.
3. THE RETAINING WALLS, BRIDGE DECKS,CULVERT AND OVERHEAD POWER LINE DETAILS ARE INDICATIVE ONLY.

KEY:

- PROPOSED ROAD
- EXISTING GROUND
- EXISTING RETAINING WALL
- PROPOSED RETAINING WALL
- PROPOSED GROUND
- ℄ OVERHEAD POWER LINE

Description	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
DCO Application	A4	0	SA	RM	VA	CT	07/06/19

Drawing Suitability: DCO APPLICATION
Status: A4

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Client: Working on behalf of highways england

Project Title: M25 junction 10/A3 Wisley interchange

Drawing Title: LONGITUDINAL PROFILE REGULATION 5(2)(o) AND 6(2)

SHEET 15 OF 25

Drawing Number: TR010030/APP/2.9

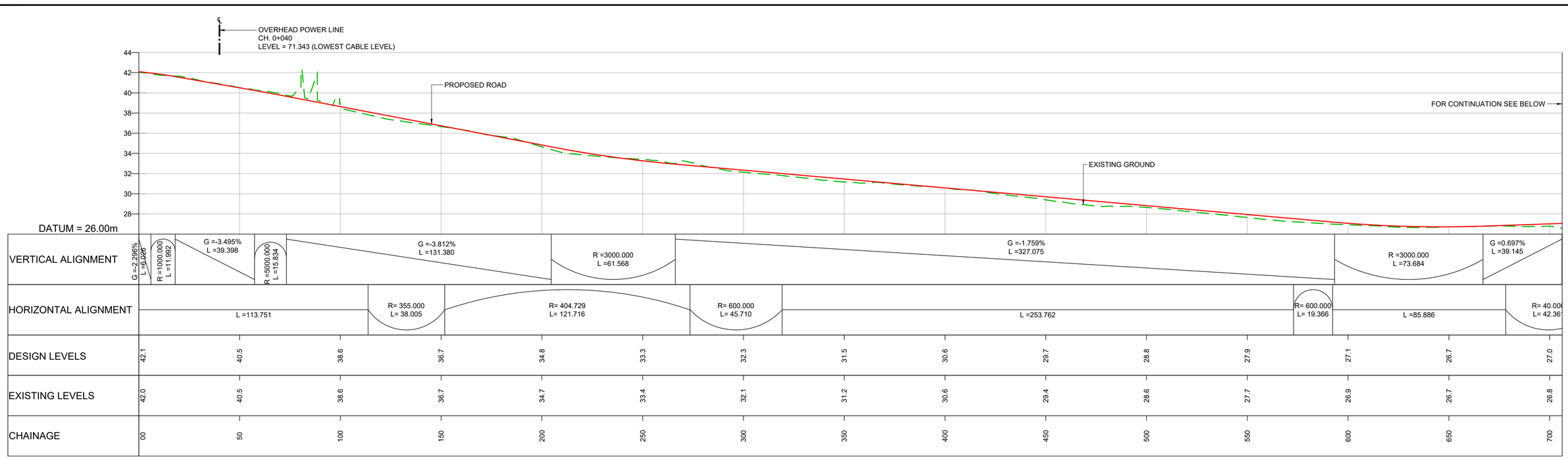
Rev: 0

HE PIN: HE551522 | Scale: AS SHOWN | Original Size: A1

This Drawing is saved on ProjectWise. Plotted: 13/06/2019 08:44:46 By: ARRO9099

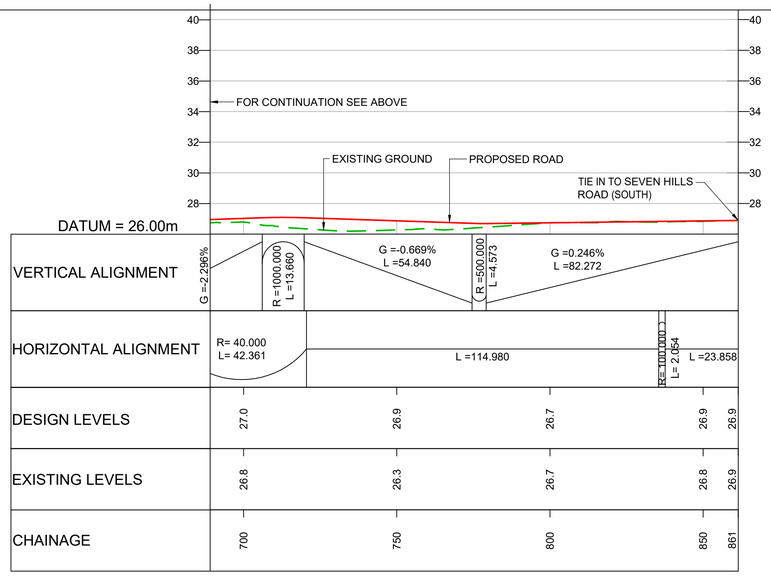
DO NOT SCALE

Millimetres 100 0 10



LONGITUDINAL SECTION - NEW B365 SEVEN HILLS ROAD EXTENSION (FROM REALIGNED ACCESS TO LONG ORCHARD FARM TO B365 SEVEN HILLS ROAD)

SCALE 1:1000 H / 1:200 V



LONGITUDINAL SECTION - NEW B365 SEVEN HILLS ROAD EXTENSION (FROM REALIGNED ACCESS TO LONG ORCHARD FARM TO B365 SEVEN HILLS ROAD)

SCALE 1:1000 H / 1:200 V

Scale 1:1000
10m 0m 10m 20m 30m 40m 50m 60m 70m

Scale 1:200
5m 0m 5m 10m

NOTES:

1. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE STATED.
2. LIMITS OF DEVIATION: HORIZONTAL POSITION MAY VARY WITHIN THE RED LINE BOUNDARY & VERTICALLY +1m TO -3m.
3. THE RETAINING WALLS, BRIDGE DECKS,CULVERT AND OVERHEAD POWER LINE DETAILS ARE INDICATIVE ONLY.

KEY:

- PROPOSED ROAD
- EXISTING GROUND
- EXISTING RETAINING WALL
- PROPOSED RETAINING WALL
- PROPOSED GROUND
- ℄ OVERHEAD POWER LINE

Description	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
DCO Application	A4	0	SA	RM	VA	CT	07/06/19

Drawing Suitability: DCO APPLICATION
Status: A4

Project Title: M25 junction 10/A3 Wisley interchange

Drawing Title: LONGITUDINAL PROFILE REGULATION 5(2)(o) AND 6(2)

SHEET 16 OF 25

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Drawing Number: TR010030/APP/2.9
Rev: 0

HE PIN: HE551522
Scale: AS SHOWN
Original Size: A1

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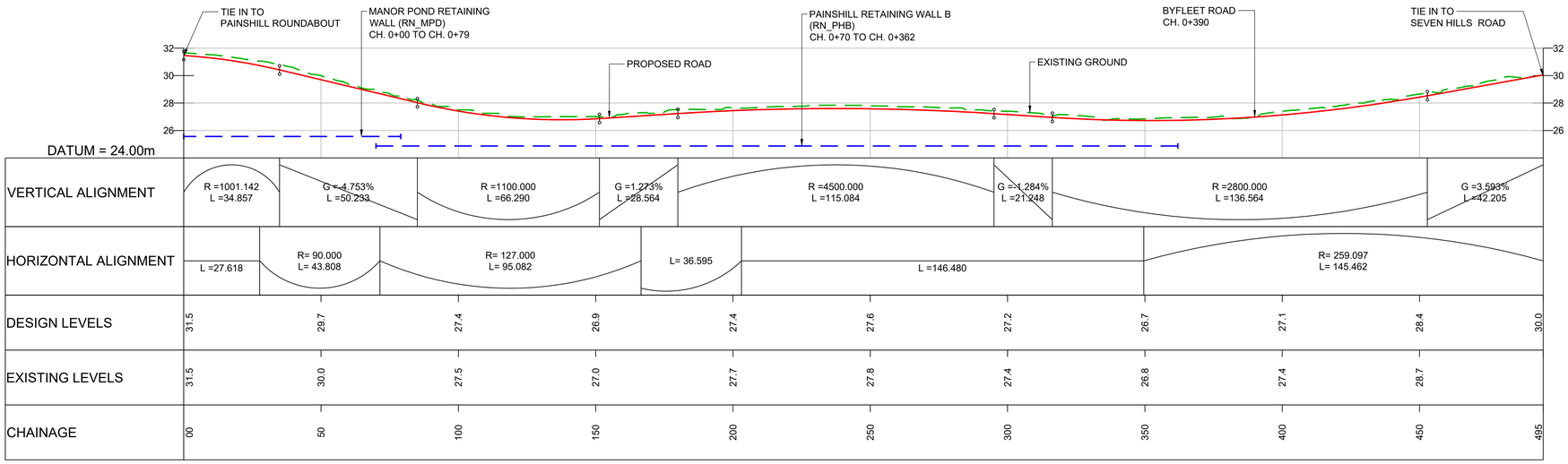
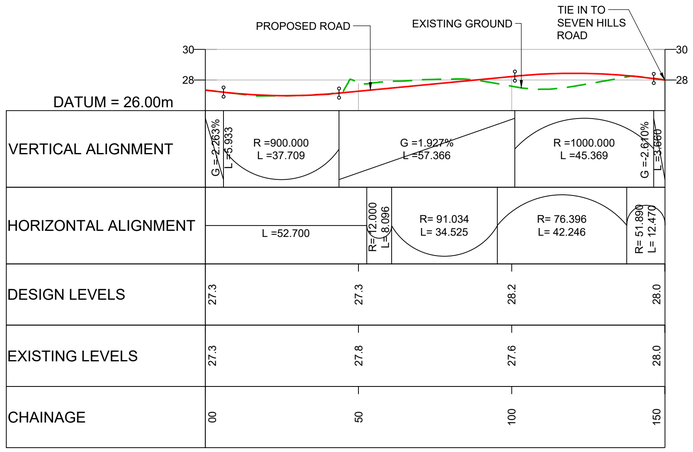
DO NOT SCALE

Millimetres 100 10 0



LONGITUDINAL SECTION - A245 (FROM PAINSHILL JUNCTION TO B365 SEVEN HILLS ROAD)

SCALE 1:1000 H / 1:200 V



LONGITUDINAL SECTION - NEW PRIVATE ACCESS TO FELTONFLEET SCHOOL (FROM OLD BYFLEET ROAD TO B365 SEVEN HILLS ROAD)

SCALE 1:1000 H / 1:200 V

Scale 1:1000
10m 0m 10m 20m 30m 40m 50m 60m 70m

Scale 1:200
5m 0m 5m 10m

NOTES:

1. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE STATED.
2. LIMITS OF DEVIATION: HORIZONTAL POSITION MAY VARY WITHIN THE RED LINE BOUNDARY & VERTICALLY +1m TO -3m.
3. THE RETAINING WALLS, BRIDGE DECKS,CULVERT AND OVERHEAD POWER LINE DETAILS ARE INDICATIVE ONLY.

KEY:

- PROPOSED ROAD
- EXISTING GROUND
- EXISTING RETAINING WALL
- PROPOSED RETAINING WALL
- PROPOSED GROUND
- OVERHEAD POWER LINE

Description	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
DCO Application	A4	0	SA	RM	VA	CT	07/06/19
SUBMITTED FOR DEADLINE 4	A1	1	SA	LH	RM	ADK	28/01/20

Drawing Suitability: APPROVED - PUBLISHED
Status: A1

Project Title: M25 junction 10/A3 Wisley interchange

Drawing Title: LONGITUDINAL PROFILE REGULATION 5(2)(o) AND 6(2)

SHEET 17 OF 25

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Rev: 1

HE PIN: HE551522
Scale: AS SHOWN
Original Size: A1

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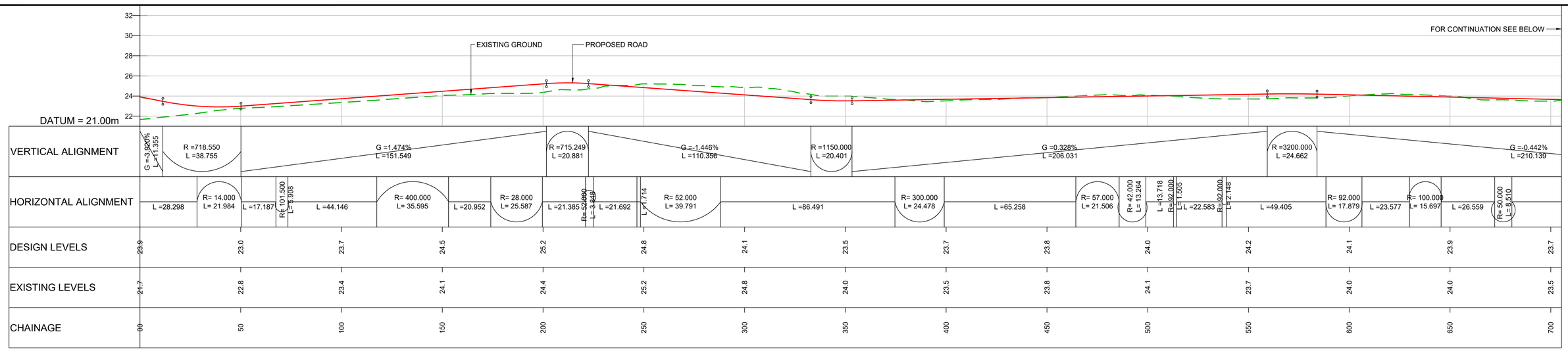
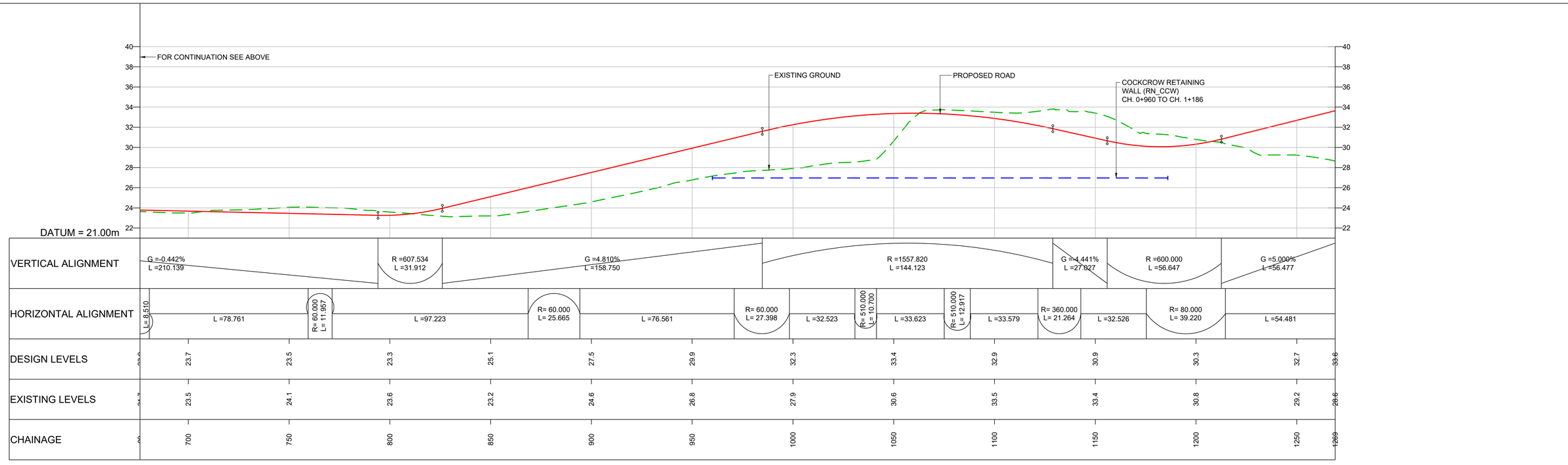
Millimetres 100 0 10



LONGITUDINAL SECTION - NEW WISLEY COMMON BRIDLEWAY

SCALE 1:1000 H / 1:200 V



LONGITUDINAL SECTION - NEW WISLEY COMMON BRIDLEWAY

SCALE 1:1000 H / 1:200 V

Scale 1:1000
10m 0m 10m 20m 30m 40m 50m 60m 70m

Scale 1:200
5m 0m 5m 10m

NOTES:

1. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE STATED.
2. LIMITS OF DEVIATION: HORIZONTAL POSITION MAY VARY WITHIN THE RED LINE BOUNDARY & VERTICALLY +1m TO -3m.
3. THE RETAINING WALLS, BRIDGE DECKS,CULVERT AND OVERHEAD POWER LINE DETAILS ARE INDICATIVE ONLY.

KEY:

- PROPOSED ROAD
- EXISTING GROUND
- EXISTING RETAINING WALL
- PROPOSED RETAINING WALL
- PROPOSED GROUND
- OVERHEAD POWER LINE

Description	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
DCO Application	A4	0	SA	RM	VA	CT	07/06/19
SUBMITTED FOR DEADLINE 4	A1	1	SA	LH	RM	ADK	28/01/20

Drawing Suitability: APPROVED - PUBLISHED
Status: A1

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Client: Working on behalf of highways england

Project Title: M25 junction 10/A3 Wisley interchange

Drawing Title: LONGITUDINAL PROFILE REGULATION 5(2)(o) AND 6(2)

SHEET 18 OF 25

Drawing Number: TR010030/APP/2.9

Rev: 1

HE PIN: HE551522

Scale: AS SHOWN

Original Size: A1

This Drawing is saved on ProjectWise. Plotted: 29/01/2020 08:43:42 By: ARRO9099

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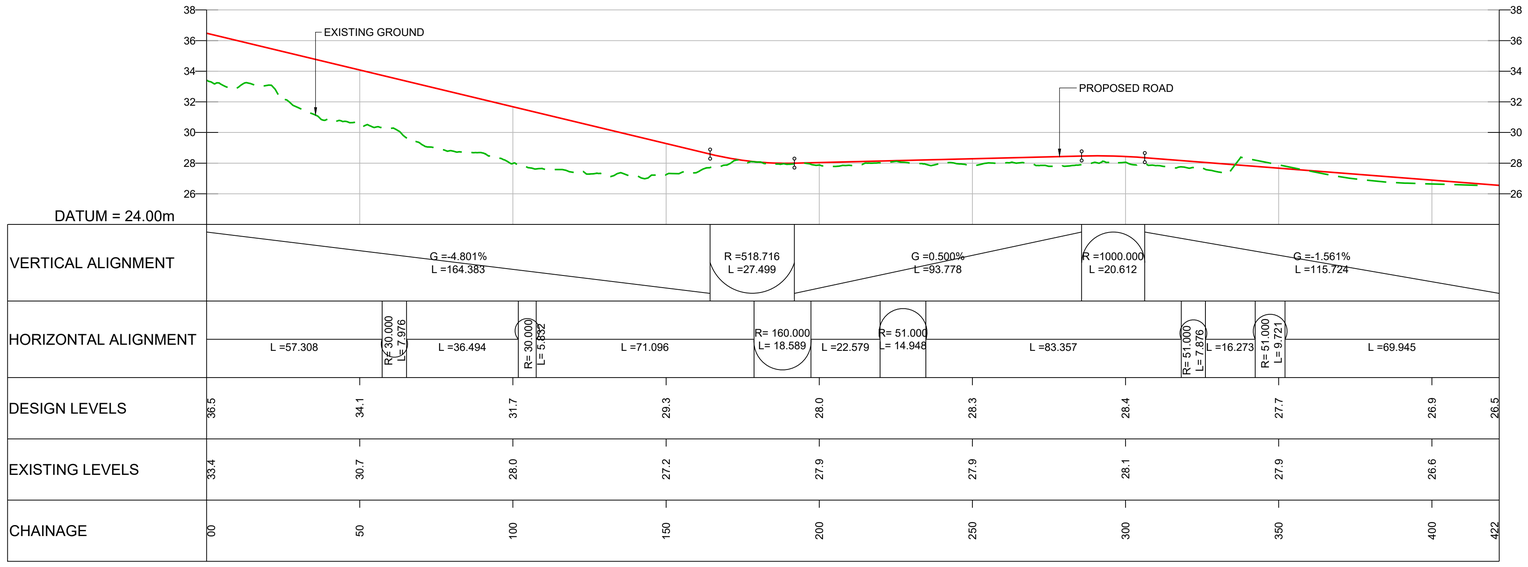

DATUM = 24.00m

| | | |

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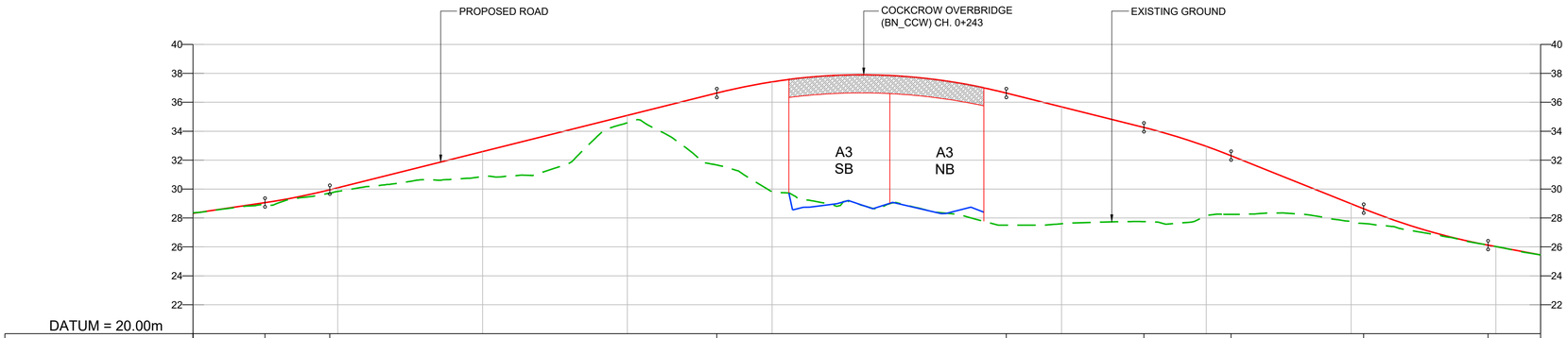

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VERTICAL ALIGNMENT	G =2.964% L =24.843	R =1100.000 L =22.399	G =5.000% L =133.660	R =1000.000 L =99.979	G =-4.998% L =47.566	R =1000.000 L =30.069	G =-8.005% L =45.895	R =1000.000 L =42.971	G =-3.708% L =18.150	
HORIZONTAL ALIGNMENT	L =13.843	R= 60.000 L= 59.245	L =89.059	R= 28.000 L= 31.479	L =80.514	R= 28.000 L= 43.489	R= 28.000 L= 55.694	L =60.224	R= 720.000 L= 32.394	
DESIGN LEVELS	28.3	30.1	32.6	35.1	37.4	37.7	35.7	33.0	29.0	26.0 25.4
EXISTING LEVELS	28.4	29.8	30.9	34.6	29.8	28.7	27.6	28.1	27.8	26.0 25.4
CHAINAGE	00	50	100	150	200	250	300	350	400	450 465

LONGITUDINAL SECTION - NEW CURRIE'S CLUMP BRIDLEWAY TO NEW OCKHAM COMMON BRIDLEWAY

SCALE 1:1000 H / 1:200 V

Scale 1:1000
10m 0m 10m 20m 30m 40m 50m 60m 70m

Scale 1:200
5m 0m 5m 10m

NOTES:

1. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE STATED.
2. LIMITS OF DEVIATION: HORIZONTAL POSITION MAY VARY WITHIN THE RED LINE BOUNDARY & VERTICALLY +1m TO -3m.
3. THE RETAINING WALLS, BRIDGE DECKS,CULVERT AND OVERHEAD POWER LINE DETAILS ARE INDICATIVE ONLY.

KEY:

- PROPOSED ROAD
- EXISTING GROUND
- EXISTING RETAINING WALL
- PROPOSED RETAINING WALL
- PROPOSED GROUND
- ℄ OVERHEAD POWER LINE

Description	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
DCO Application	A4	0	SA	RM	VA	CT	07/06/19
SUBMITTED FOR DEADLINE 4	A1	1	SA	LH	RM	ADK	28/01/20

Drawing Suitability: APPROVED - PUBLISHED
Status: A1

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Client: Working on behalf of highways england

Project Title: M25 junction 10/A3 Wisley interchange

Drawing Title: LONGITUDINAL PROFILE
REGULATION 5(2)(o) AND 6(2)

SHEET 20 OF 25

Drawing Number: TR010030/APP/2.9
Rev: 1

HE PIN: HE551522
Scale: AS SHOWN
Original Size: A1

This Drawing is saved on ProjectWise. Plotted: 29/01/2020 08:43:57 By: ARRO9099

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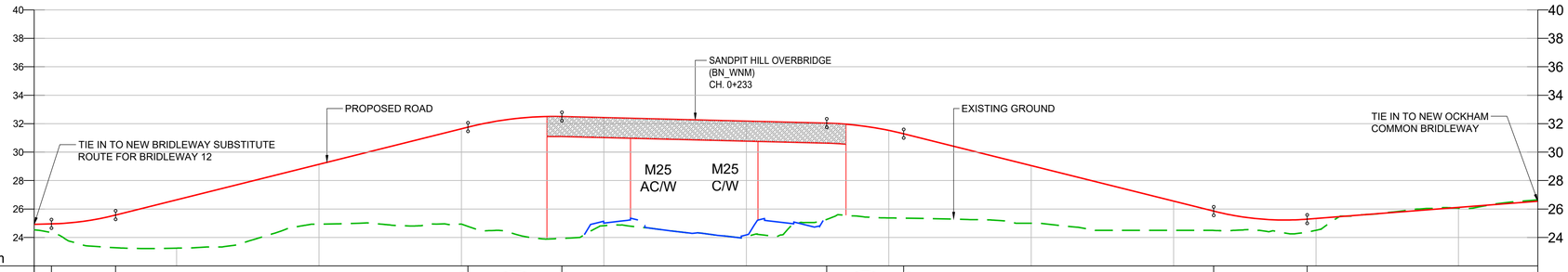

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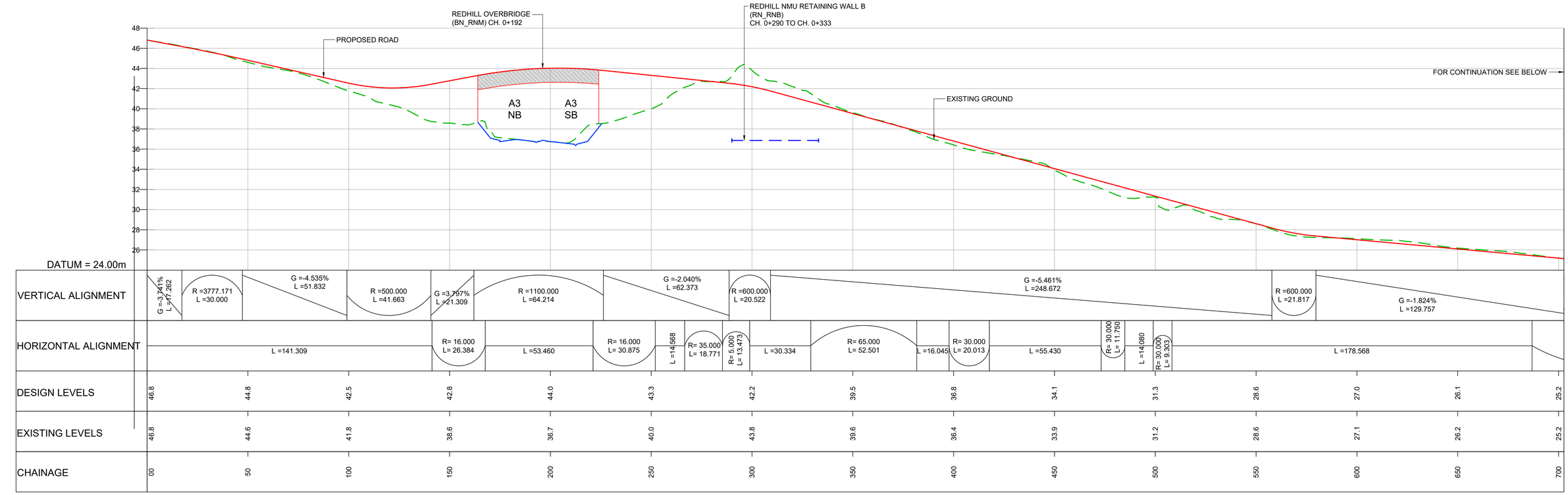
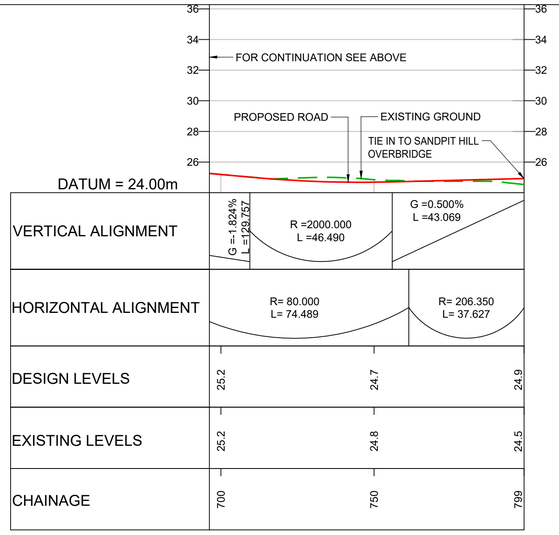


LONGITUDINAL SECTION - NEW BRIDLEWAY SUBSTITUTE ROUTE FOR BRIDLEWAY 12

SCALE 1:1000 H / 1:200 V



LONGITUDINAL SECTION - NEW BRIDLEWAY SUBSTITUTE ROUTE FOR BRIDLEWAY 12

SCALE 1:1000 H / 1:200 V

Scale 1:1000 — 10m 0m 10m 20m 30m 40m 50m 60m 70m

Scale 1:200 — 5m 0m 5m 10m

NOTES:

1. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE STATED.
2. LIMITS OF DEVIATION: HORIZONTAL POSITION MAY VARY WITHIN THE RED LINE BOUNDARY & VERTICALLY +1m TO -3m.
3. THE RETAINING WALLS, BRIDGE DECKS,CULVERT AND OVERHEAD POWER LINE DETAILS ARE INDICATIVE ONLY.

KEY:

- PROPOSED ROAD
- EXISTING GROUND
- EXISTING RETAINING WALL
- PROPOSED RETAINING WALL
- PROPOSED GROUND
- OVERHEAD POWER LINE

Description	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
DCO Application	A4	0	SA	RM	VA	CT	07/06/19

Drawing Suitability: DCO APPLICATION — Status: A4

Project Title: M25 junction 10/A3 Wisley interchange

Drawing Title: LONGITUDINAL PROFILE REGULATION 5(2)(o) AND 6(2)

SHEET 22 OF 25

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Drawing Number: TR010030/APP/2.9 — Rev: 0

HE PIN: HE551522 — Scale: AS SHOWN — Original Size: A1

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DO NOT SCALE

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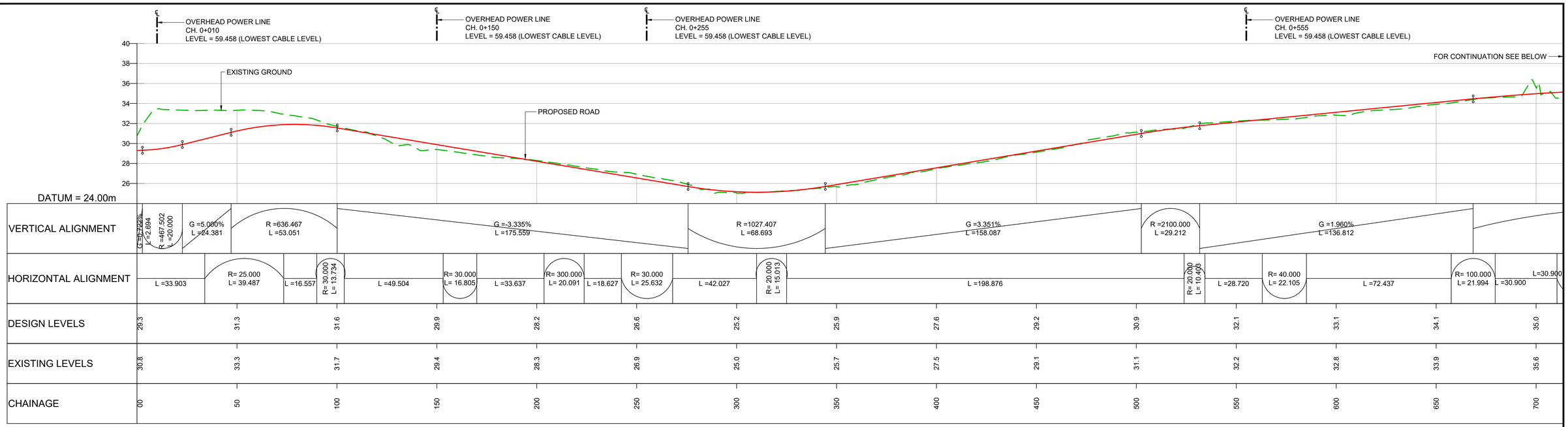
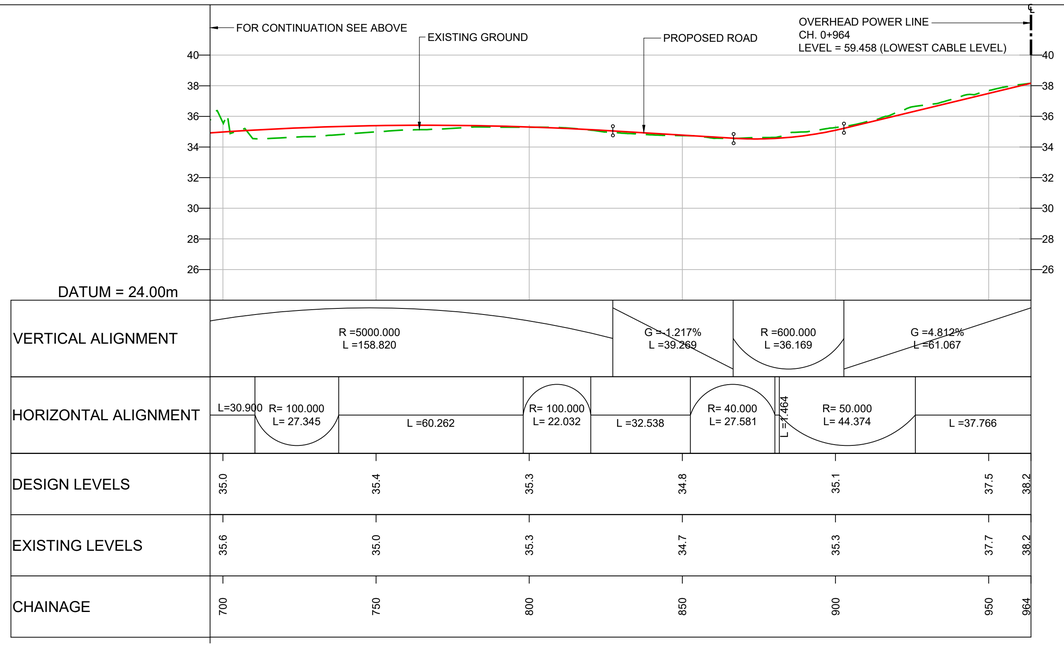


LONGITUDINAL SECTION - SUBSTITUE PRIVATE ACCESS FOR NEW FARM, GAS VALVE COMPOUND, HEYSWOOD CAMPSITE, COURT CLOSE FARM (FROM SLIP ROAD ACCESS TO COURT CLOSE FARM)

SCALE 1:1000 H / 1:200 V



LONGITUDINAL SECTION - SUBSTITUE PRIVATE ACCESS FOR NEW FARM, GAS VALVE COMPOUND, HEYSWOOD CAMPSITE, COURT CLOSE FARM (FROM SLIP ROAD ACCESS TO COURT CLOSE FARM)

SCALE 1:1000 H / 1:200 V

Scale 1:1000
10m 0m 10m 20m 30m 40m 50m 60m 70m

Scale 1:200
5m 0m 5m 10m

NOTES:

1. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE STATED.
2. LIMITS OF DEVIATION: HORIZONTAL POSITION MAY VARY WITHIN THE RED LINE BOUNDARY & VERTICALLY +1m TO -3m.
3. THE RETAINING WALLS, BRIDGE DECKS,CULVERT AND OVERHEAD POWER LINE DETAILS ARE INDICATIVE ONLY.

KEY:

- PROPOSED ROAD
- EXISTING GROUND
- EXISTING RETAINING WALL
- PROPOSED RETAINING WALL
- PROPOSED GROUND
- OVERHEAD POWER LINE

Description	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
DCO Application	A4	0	SA	RM	VA	CT	07/06/19

Drawing Suitability: DCO APPLICATION
Status: A4

Project Title: M25 junction 10/A3 Wisley interchange

Drawing Title: LONGITUDINAL PROFILE REGULATION 5(2)(o) AND 6(2)

SHEET 23 OF 25

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Drawing Number: TR010030/APP/2.9
Rev: 0

HE PIN: HE551522
Scale: AS SHOWN
Original Size: A1

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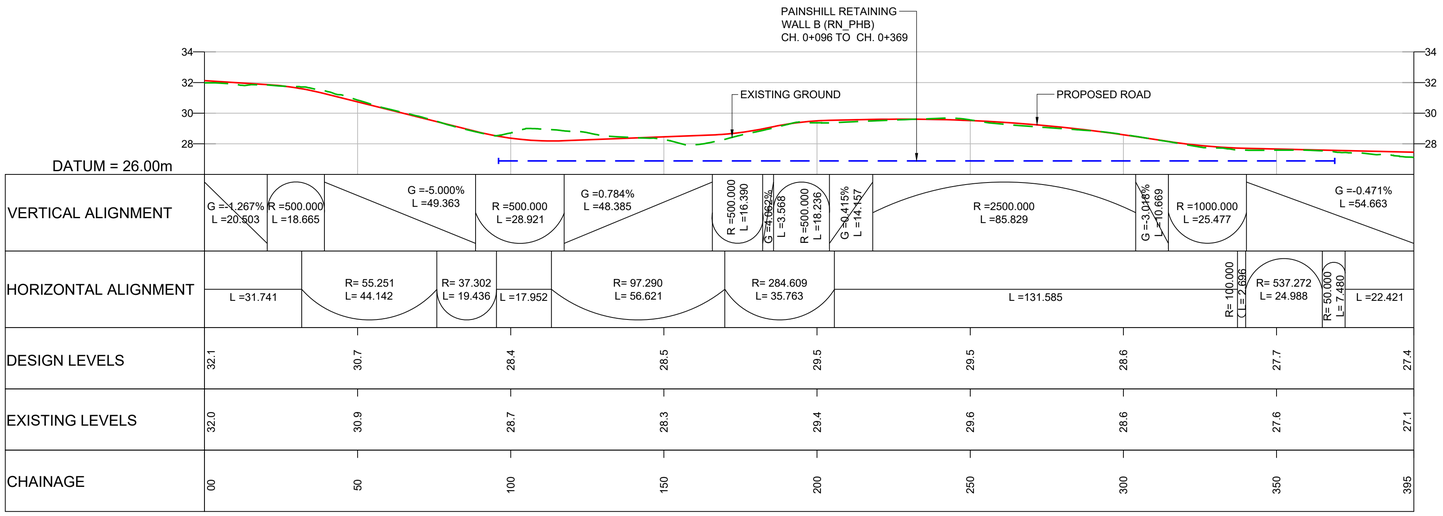
DO NOT SCALE

Millimetres 0 10 100



LONGITUDINAL SECTION - A245 NEW FOOTWAY/CYCLE TRACK (FROM PAINSHILL JUNCTION TO B365 SEVEN HILLS ROAD)

SCALE 1:1000 H / 1:200 V

Scale 1:1000
10m 0m 10m 20m 30m 40m 50m 60m 70m

Scale 1:200
5m 0m 5m 10m

NOTES:

1. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE STATED.
2. LIMITS OF DEVIATION: HORIZONTAL POSITION MAY VARY WITHIN THE RED LINE BOUNDARY & VERTICALLY +1m TO -3m.
3. THE RETAINING WALLS, BRIDGE DECKS,CULVERT AND OVERHEAD POWER LINE DETAILS ARE INDICATIVE ONLY.

KEY:

- PROPOSED ROAD
- EXISTING GROUND
- EXISTING RETAINING WALL
- PROPOSED RETAINING WALL
- PROPOSED GROUND
- ℄ OVERHEAD POWER LINE

Description	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
DCO Application	A4	0	SA	RM	VA	CT	07/06/19

Drawing Suitability: DCO APPLICATION
Status: A4

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Client: Working on behalf of highways england

Project Title: M25 junction 10/A3 Wisley interchange

Drawing Title: LONGITUDINAL PROFILE REGULATION 5(2)(o) AND 6(2)

SHEET 24 OF 25

Drawing Number: TR010030/APP/2.9

Rev: 0

HE PIN: HE551522 | Scale: AS SHOWN | Original Size: A1

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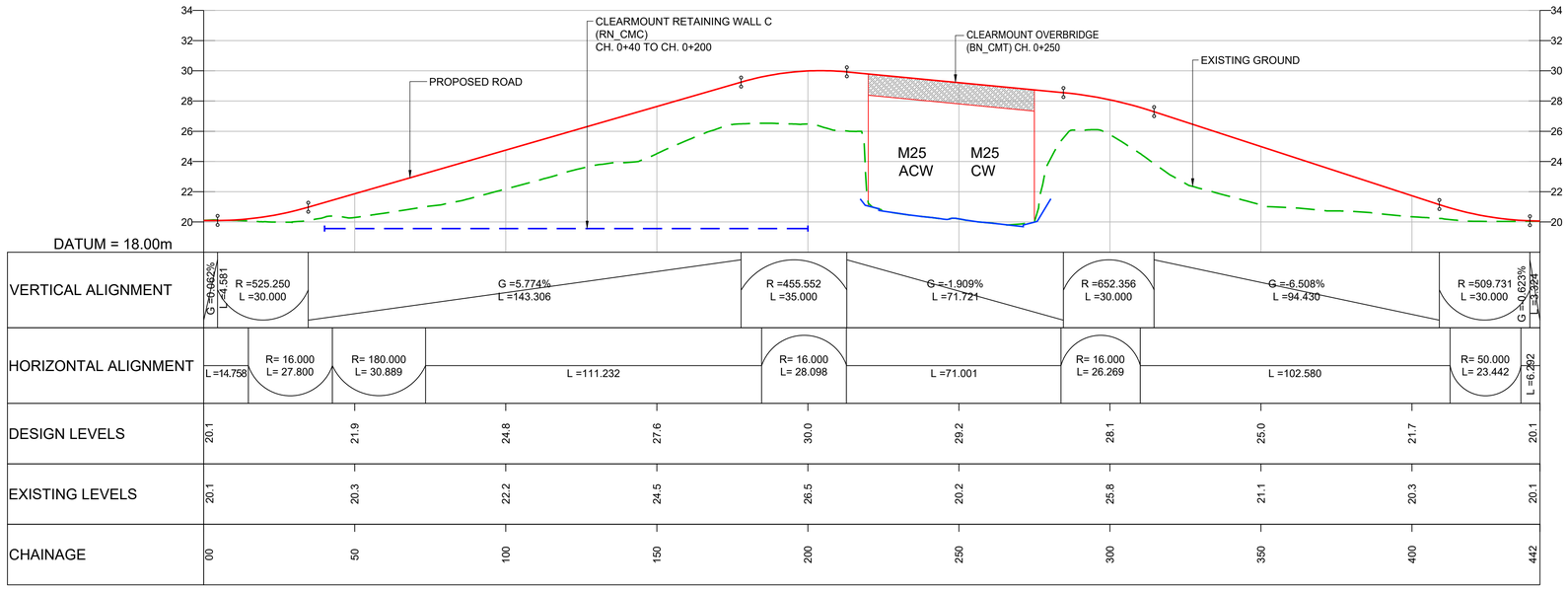
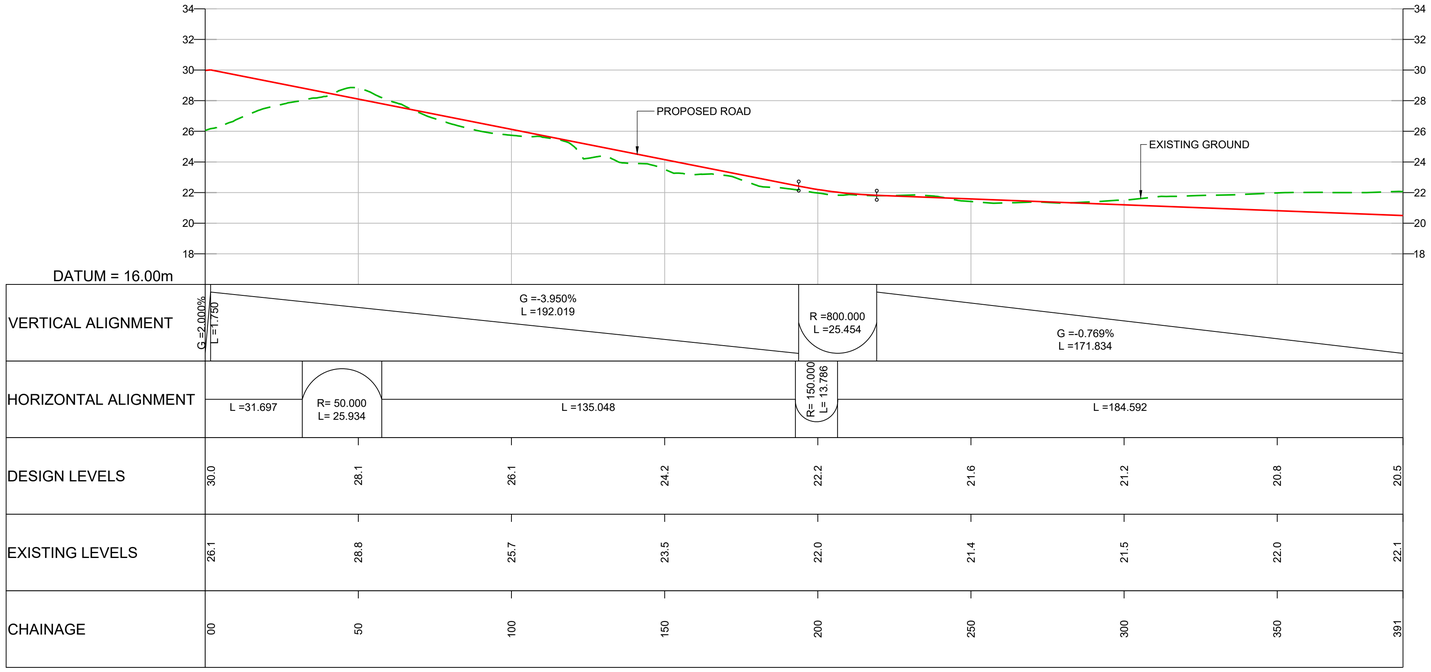


LONGITUDINAL SECTION - REALIGNED BRIDLEWAY 8

SCALE 1:1000 H / 1:200 V



Scale 1:1000
10m 0m 10m 20m 30m 40m 50m 60m 70m

Scale 1:200
5m 0m 5m 10m

LONGITUDINAL SECTION - REALIGNED FOOTPATH 11 TO DRAINAGE ATTENUATION POND

SCALE 1:1000 H / 1:200 V

NOTES:

1. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE STATED.
2. LIMITS OF DEVIATION: HORIZONTAL POSITION MAY VARY WITHIN THE RED LINE BOUNDARY & VERTICALLY +1m TO -3m.
3. THE RETAINING WALLS, BRIDGE DECKS,CULVERT AND OVERHEAD POWER LINE DETAILS ARE INDICATIVE ONLY.

KEY:

- PROPOSED ROAD
- EXISTING GROUND
- EXISTING RETAINING WALL
- PROPOSED RETAINING WALL
- PROPOSED GROUND
- ℄ OVERHEAD POWER LINE

Description	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
DCO Application	A4	0	SA	RM	VA	CT	07/06/19

Drawing Suitability: DCO APPLICATION
Status: A4

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Client: Working on behalf of highways england

Project Title: M25 junction 10/A3 Wisley interchange

Drawing Title: LONGITUDINAL PROFILE REGULATION 5(2)(o) AND 6(2)

SHEET 25 OF 25

Drawing Number: TR010030/APP/2.9
Rev: 0

HE PIN: HE551522
Scale: AS SHOWN
Original Size: A1

This Drawing is saved on ProjectWise. Plotted: 13/06/2019 08:49:57 By: ARRO9099

DO NOT SCALE

Millimetres 0 10 100

M25 CLOCKWISE TOWARDS HEATHROW

M25 MAIN LINE

REPLACEMENT CLEARMOUNT OVERBRIDGE

OCKHAM PARK JUNCTION

NEW WISLEY LANE OVERBRIDGE

A3 MAIN LINE

REPLACEMENT COCKCROW OVERBRIDGE

M25 JUNCTION 10

NEW REDHILL OVERBRIDGE

NEW LONG ORCHARD PRIVATE ACCESS ROAD

A245 BYFLEET ROAD

PAINSHILL JUNCTION

WISLEY LANE DIVERSION

ELM LANE

REDHILL NMU

NEW SANDPIT HILL OVERBRIDGE

NEW HEYSWOOD PRIVATE ACCESS

A3 MAIN LINE

M25 MAIN LINE

M25 ANTICLOCKWISE TOWARDS GATWICK

SECTION-01
SECTION-02
SECTION-03
SECTION-04
SECTION-05
SECTION-06
SECTION-07
SECTION-08
SECTION-09
SECTION-10
SECTION-11
SECTION-12
SECTION-13
SECTION-14
SECTION-15
SECTION-16
SECTION-17
SECTION-18

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NOTES:

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION
In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).
Construction
NONE
Maintenance / Cleaning
NONE
Use
NONE
Decommissioning / Demolition
NONE

Description	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
DCO APPLICATION	A4	0	SA	NK	VA	CT	10/06/19

Drawing Suitability: DCO APPLICATION
Status: A4

Project Title: M25 junction 10/A3 Wisley interchange

Drawing Title: CROSS SECTIONS KEY PLAN REGULATION 5(2)(o) AND 6(2)

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Client: Working on behalf of highways england

Drawing Number: TR010030/APP/2.9
Rev: 0

HE PIN: HE551522
Scale: NTS
Original Size: A1

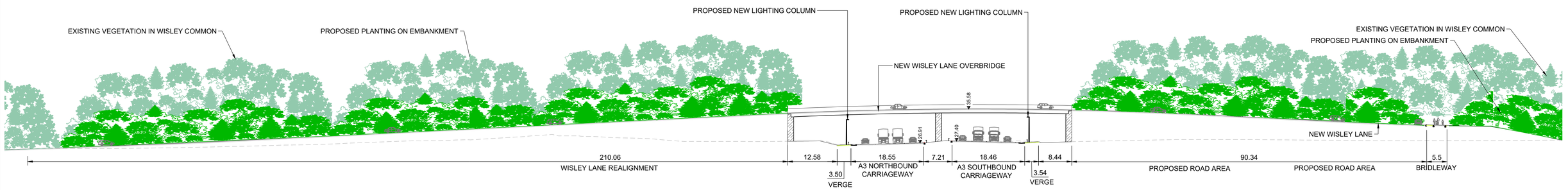
DO NOT SCALE

Millimetres 100 10 0

SECTION-01 A3 MAINLINE AT NORTHBOUND CH.1000 INCLUDING WISLEY LANE

SCALE 1:250

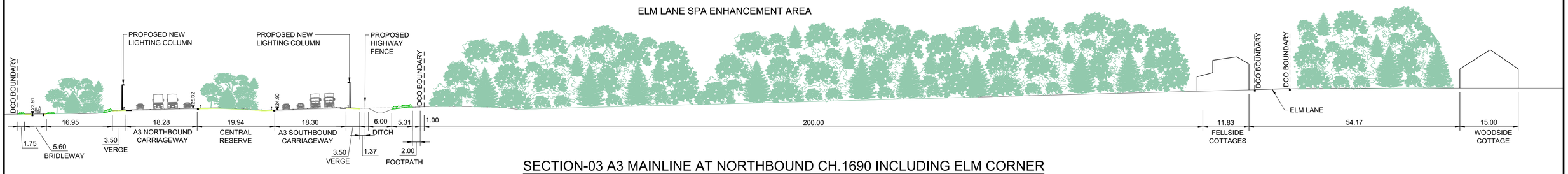
Scale 1:250
5m 0m 5m 10m 15m



SECTION-02 A3 MAIN LINE AT NORTHBOUND CH:1357 WITH NEW WISLEY LANE OVERBRIDGE

SCALE 1:500

Scale 1:500
10m 0m 10m 20m 30m



SECTION-03 A3 MAINLINE AT NORTHBOUND CH.1690 INCLUDING ELM CORNER

SCALE 1:500

Scale 1:500
10m 0m 10m 20m 30m

NOTES:

1. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE STATED.
2. THE LAND TAKE REQUIREMENTS FOR THE LOCAL ACCESS ROADS ARE DEPENDENT ON EARTHWORKS REQUIREMENTS.
3. EARTHWORKS REQUIREMENTS ARE PENDING DETAILED TOPOGRAPHICAL SURVEY.
4. ALL EARTHWORKS SLOPES TO BE 1(V):4(H) UNLESS OTHERWISE SHOWN.
5. SAFETY BARRIER TYPE SHOWN IS INDICATIVE AND SUBJECT TO DESIGN DEVELOPMENT.
6. VERGE WIDTHS SHOWN ARE MINIMUM. VERGE WIDTH SHALL BE INCREASED TO PROVIDE SIGHT DISTANCE WHERE REQUIRED.
7. STREET FURNITURE OMITTED FOR CLARITY REFER TO 'TYPICAL VERGE DETAILS' DRAWINGS.
8. VEGETATION SHOWN 15 YEARS AFTER OPENING.

KEY:

- PROPOSED TREE AND SHRUB PLANTING
- EXISTING VEGETATION
- EXISTING GROUND LEVEL
- MARGINAL AND EMERGENT VEGETATION
- PROPOSED OPEN GRASSLAND OR LOW VEGETATION
- 26.39 LEVEL OF PROPOSED ROAD WORKS

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).

Construction
NONE

Maintenance / Cleaning
NONE

Use
NONE

Decommissioning / Demolition
NONE

Description	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
DCO APPLICATION	A4	0	SA	NK	VA	CT	10/06/19

Drawing Suitability: DCO APPLICATION
Status: A4

Project Title: M25 junction 10/A3 Wisley interchange

Drawing Title: CROSS SECTIONS REGULATION 5(2)(o) AND 6(2)

SHEET 1 OF 5

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Client: Working on behalf of highways england

Drawing Number: TR010030/APP/2.9
Rev: 0

HE PIN: HE551522
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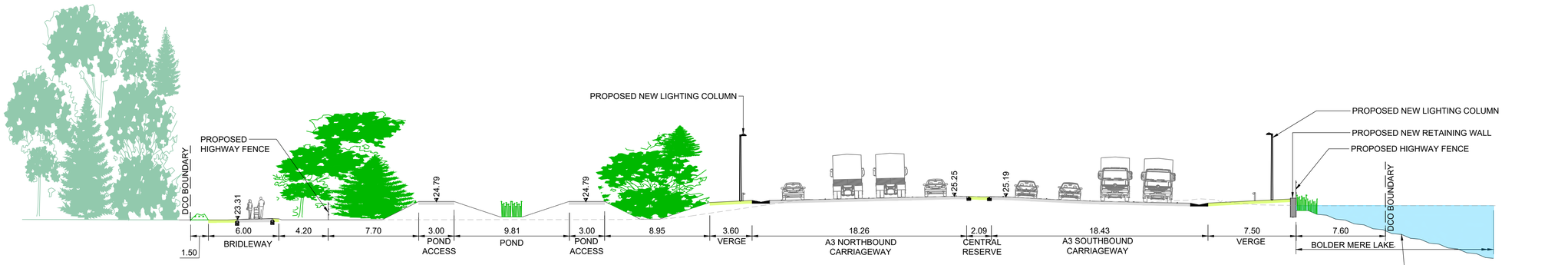
Original Size: A1

Millimetres 100 10 0

DO NOT SCALE



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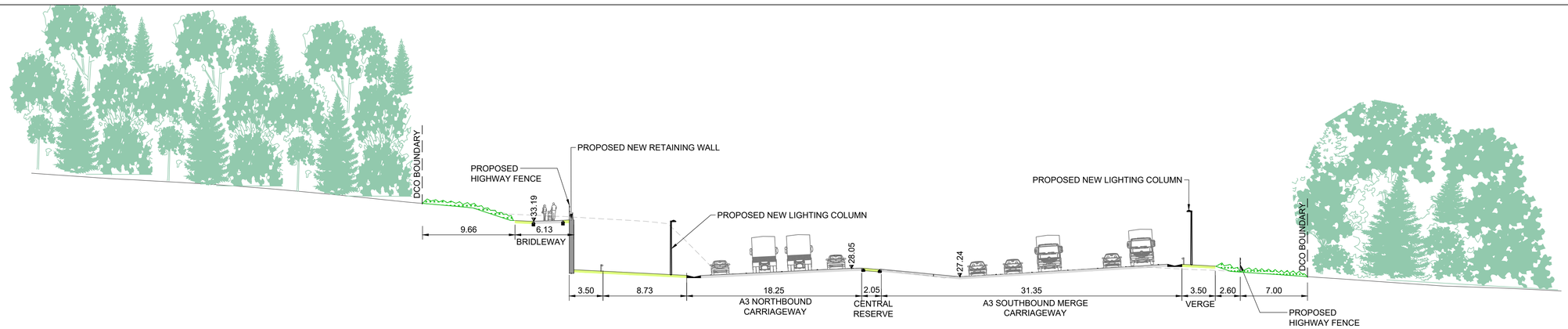
SECTION-04 A3 MAINLINE AT NORTHBOUND CH.2020 INCLUDING BOLDER MERE

SCALE 1:200



SECTION-05 A3 MAINLINE AT NORTHBOUND CH.2300 INCLUDING NEW BRIDLEWAY

SCALE 1:250

Scale 1:250
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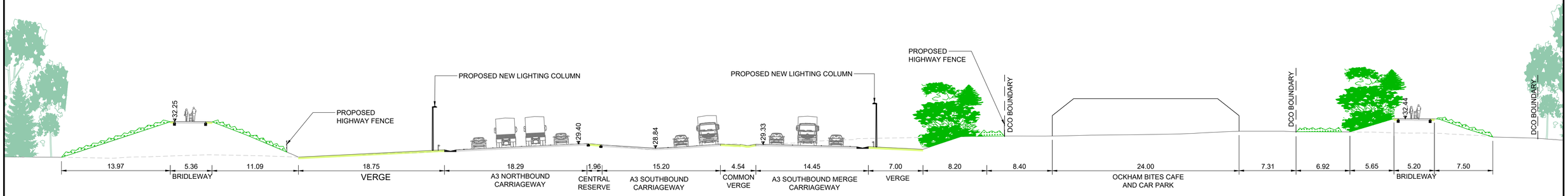

SECTION-06 A3 MAINLINE AT NORTHBOUND CH.2490 INCLUDING OCKHAM BITES CAFE

SCALE 1:250

Scale 1:250
5m 0m 5m 10m 15m

NOTES:

1. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE STATED.
2. THE LAND TAKE REQUIREMENTS FOR THE LOCAL ACCESS ROADS ARE DEPENDENT ON EARTHWORKS REQUIREMENTS.
3. EARTHWORKS REQUIREMENTS ARE PENDING DETAILED TOPOGRAPHICAL SURVEY.
4. ALL EARTHWORKS SLOPES TO BE 1(V):4(H) UNLESS OTHERWISE SHOWN.
5. SAFETY BARRIER TYPE SHOWN IS INDICATIVE AND SUBJECT TO DESIGN DEVELOPMENT.
6. VERGE WIDTHS SHOWN ARE MINIMUM. VERGE WIDTH SHALL BE INCREASED TO PROVIDE SIGHT DISTANCE WHERE REQUIRED.
7. STREET FURNITURE OMITTED FOR CLARITY REFER TO 'TYPICAL VERGE DETAILS' DRAWINGS.
8. VEGETATION SHOWN 15 YEARS AFTER OPENING.

KEY:

- PROPOSED TREE AND SHRUB PLANTING
- EXISTING VEGETATION
- EXISTING GROUND LEVEL
- MARGINAL AND EMERGENT VEGETATION
- PROPOSED OPEN GRASSLAND OR LOW VEGETATION
- 26.39 LEVEL OF PROPOSED ROAD WORKS

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).

Construction
NONE

Maintenance / Cleaning
NONE

Use
NONE

Decommissioning / Demolition
NONE

Description	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
DCO APPLICATION	A4	0	SA	NK	VA	CT	10/06/19

Drawing Suitability: DCO APPLICATION
Status: A4

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Client: Working on behalf of highways england

Project Title: M25 junction 10/A3 Wisley interchange

Drawing Title: CROSS SECTIONS REGULATION 5(2)(o) AND 6(2)

SHEET 2 OF 5

Drawing Number: TR010030/APP/2.9
Rev: 0

HE PIN: HE551522
Scale: AS SHOWN
Original Size: A1

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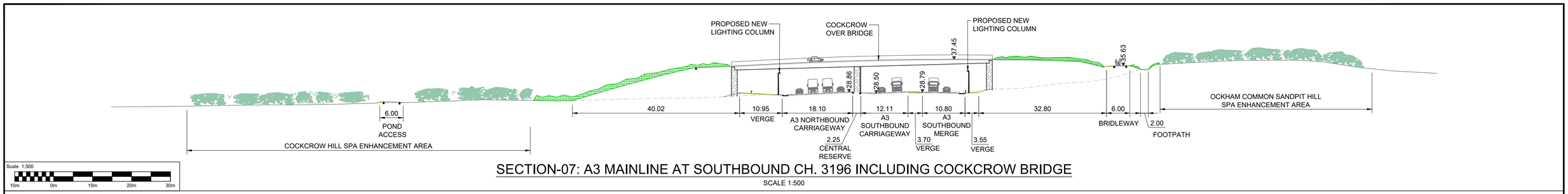

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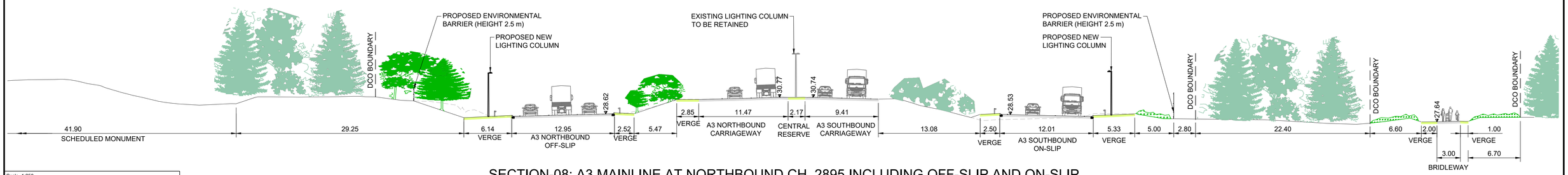
SECTION-07: A3 MAINLINE AT SOUTHBOUND CH. 3196 INCLUDING COCKCROW BRIDGE

SCALE 1:500



Scale 1:250
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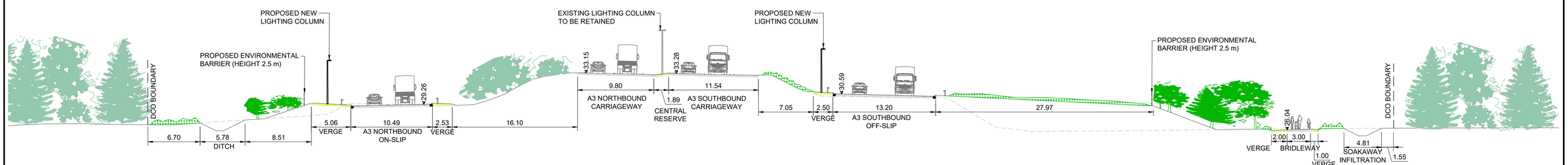
SECTION-08: A3 MAINLINE AT NORTHBOUND CH. 2895 INCLUDING OFF-SLIP AND ON-SLIP

SCALE 1:250



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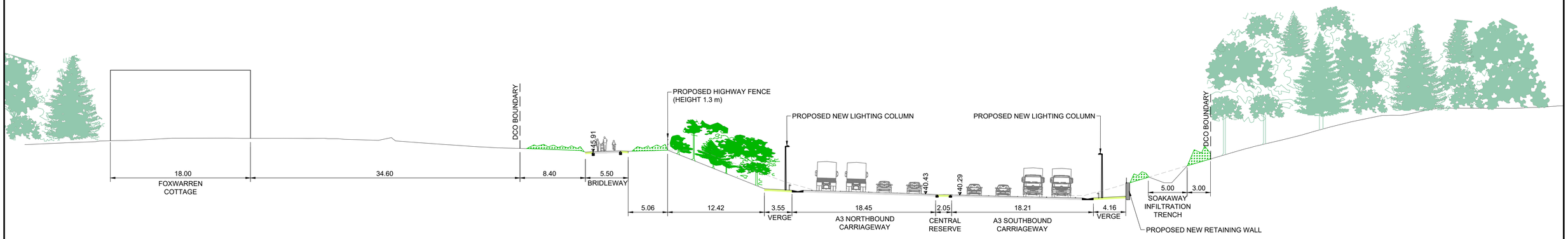
SECTION-09: A3 MAINLINE AT NORTHBOUND CH. 3296 INCLUDING OFF-SLIP AND ON-SLIP

SCALE 1:250



Scale 1:250
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SECTION-10: A3 MAINLINE AT NORTHBOUND CH. 3730 INCLUDING FOXWARREN COTTAGE BUILDING

SCALE 1:250

NOTES:

1. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE STATED.
2. THE LAND TAKE REQUIREMENTS FOR THE LOCAL ACCESS ROADS ARE DEPENDENT ON EARTHWORKS REQUIREMENTS.
3. EARTHWORKS REQUIREMENTS ARE PENDING DETAILED TOPOGRAPHICAL SURVEY.
4. ALL EARTHWORKS SLOPES TO BE 1(V):4(H) UNLESS OTHERWISE SHOWN.
5. SAFETY BARRIER TYPE SHOWN IS INDICATIVE AND SUBJECT TO DESIGN DEVELOPMENT.
6. VERGE WIDTHS SHOWN ARE MINIMUM. VERGE WIDTH SHALL BE INCREASED TO PROVIDE SIGHT DISTANCE WHERE REQUIRED.
7. STREET FURNITURE OMITTED FOR CLARITY REFER TO 'TYPICAL VERGE DETAILS' DRAWINGS.
8. VEGETATION SHOWN 15 YEARS AFTER OPENING.

KEY:

- PROPOSED TREE AND SHRUB PLANTING
- EXISTING VEGETATION
- EXISTING GROUND LEVEL
- MARGINAL AND EMERGENT VEGETATION
- PROPOSED OPEN GRASSLAND OR LOW VEGETATION
- 26.39 — LEVEL OF PROPOSED ROAD WORKS

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).

Construction
NONE

Maintenance / Cleaning
NONE

Use
NONE

Decommissioning / Demolition
NONE

Description	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
DCO APPLICATION	A4	0	SA	NK	VA	CT	10/06/19
Response to ExA Question 1.10.1	A1	1	PJH	LH	RM	ADK	18/12/19
SUBMITTED FOR DEADLINE 4	A1	2	PJH	LH	RM	ADK	11/02/20

Drawing Suitability: APPROVED - PUBLISHED
Status: A1

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Client: Working on behalf of highways england

Project Title: M25 junction 10/A3 Wisley interchange

Drawing Title: CROSS SECTIONS REGULATION 5(2)(o) AND 6(2)

SHEET 3 OF 5

Drawing Number: TR010030/APP/2.9
Rev: 2

HE PIN: HE551522
Scale: AS SHOWN
Original Size: A1

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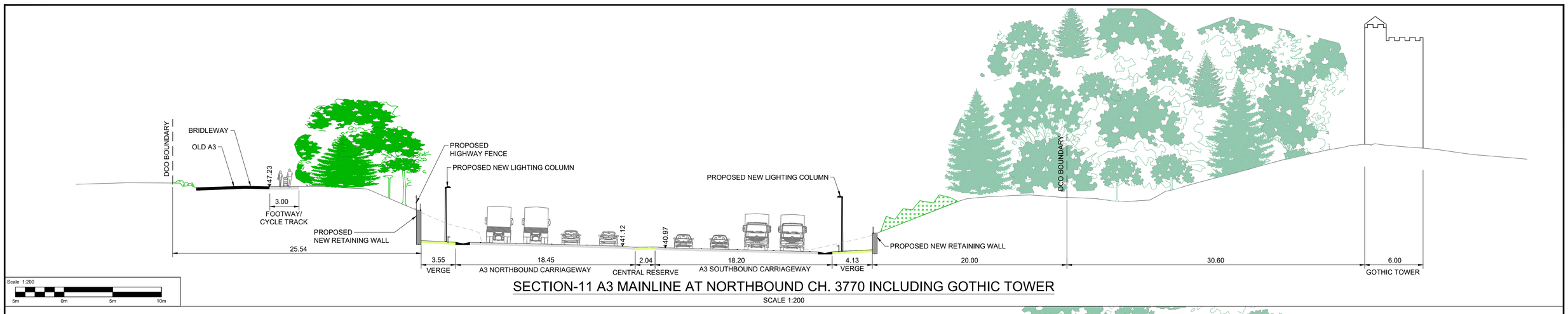
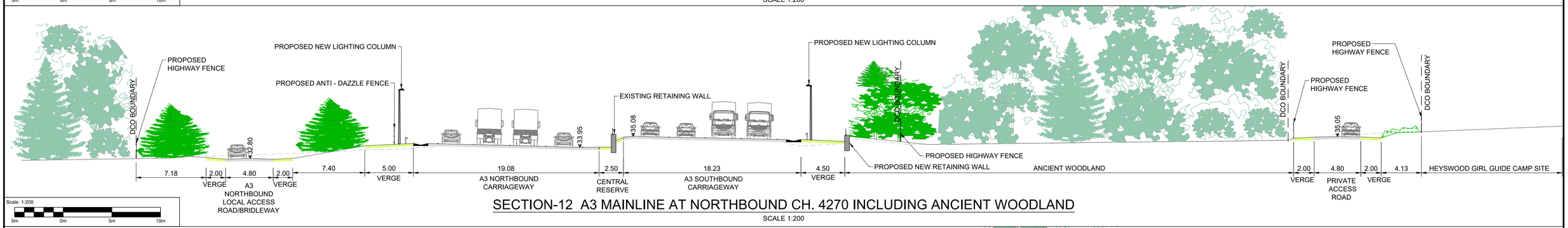


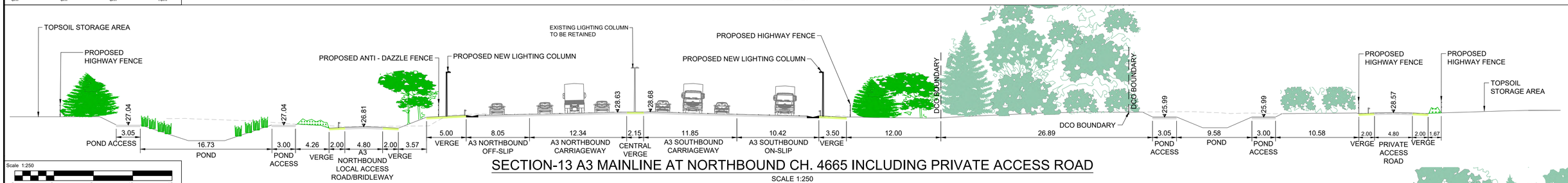
SECTION-11 A3 MAINLINE AT NORTHBOUND CH. 3770 INCLUDING GOTHIC TOWER

SCALE 1:200



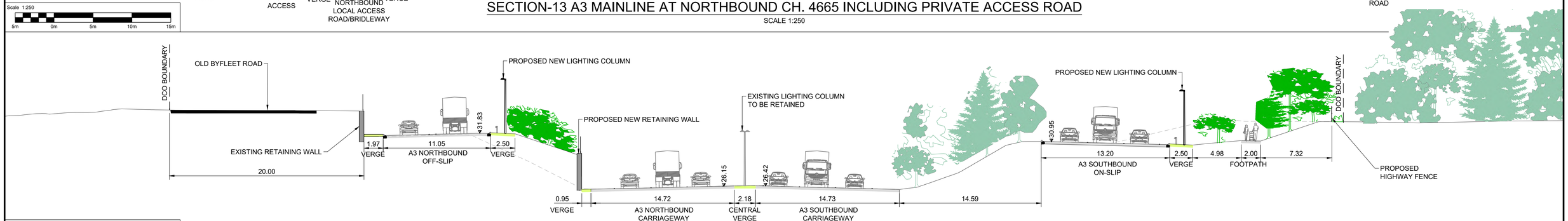
SECTION-12 A3 MAINLINE AT NORTHBOUND CH. 4270 INCLUDING ANCIENT WOODLAND

SCALE 1:200



SECTION-13 A3 MAINLINE AT NORTHBOUND CH. 4665 INCLUDING PRIVATE ACCESS ROAD

SCALE 1:250



SECTION-14 A3 MAINLINE AT NORTHBOUND CH. 5116 INCLUDING OFF-SLIP AND ON-SLIP

SCALE 1:200

NOTES:

1. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE STATED.
2. THE LAND TAKE REQUIREMENTS FOR THE LOCAL ACCESS ROADS ARE DEPENDENT ON EARTHWORKS REQUIREMENTS.
3. EARTHWORKS REQUIREMENTS ARE PENDING DETAILED TOPOGRAPHICAL SURVEY.
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6. VERGE WIDTHS SHOWN ARE MINIMUM. VERGE WIDTH SHALL BE INCREASED TO PROVIDE SIGHT DISTANCE WHERE REQUIRED.
7. STREET FURNITURE OMITTED FOR CLARITY REFER TO 'TYPICAL VERGE DETAILS' DRAWINGS.
8. VEGETATION SHOWN 15 YEARS AFTER OPENING.

KEY:

- PROPOSED TREE AND SHRUB PLANTING
- EXISTING VEGETATION
- EXISTING GROUND LEVEL
- MARGINAL AND EMERGENT VEGETATION
- PROPOSED OPEN GRASSLAND OR LOW VEGETATION
- 26.39 — LEVEL OF PROPOSED ROAD WORKS

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).

Construction
NONE

Maintenance / Cleaning
NONE

Use
NONE

Decommissioning / Demolition
NONE

Description	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
DCO APPLICATION	A4	0	SA	NK	VA	CT	10/06/19

Drawing Suitability: DCO APPLICATION
Status: A4

Project Title: M25 junction 10/A3 Wisley interchange

Drawing Title: CROSS SECTIONS REGULATION 5(2)(o) AND 6(2)

SHEET 4 OF 5

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Client: Working on behalf of highways england

Drawing Number: TR010030/APP/2.9
Rev: 0

HE PIN: HE551522
Scale: AS SHOWN
Original Size: A1

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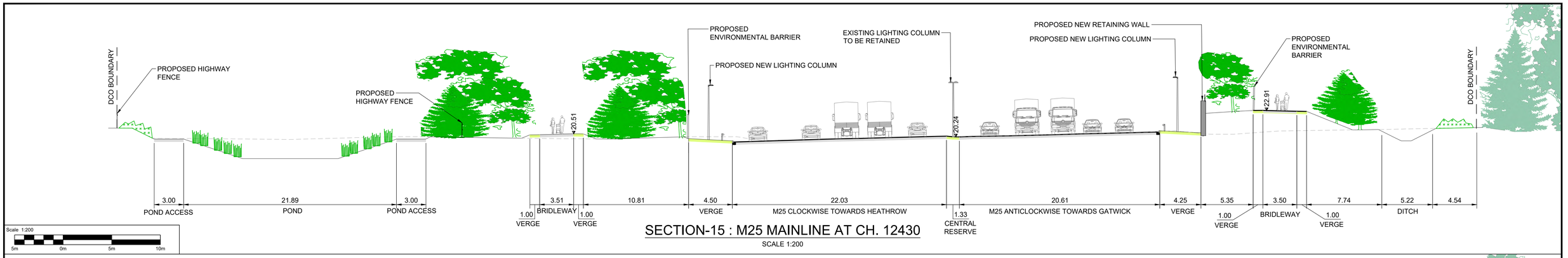

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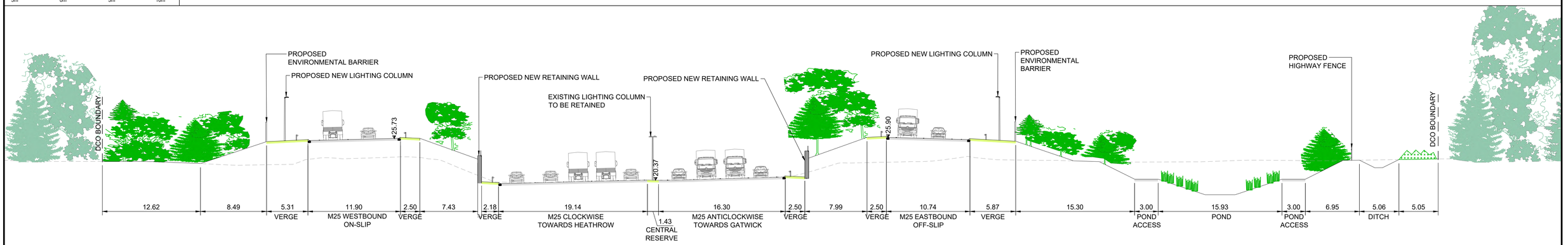
SECTION-15 : M25 MAINLINE AT CH. 12430

SCALE 1:200



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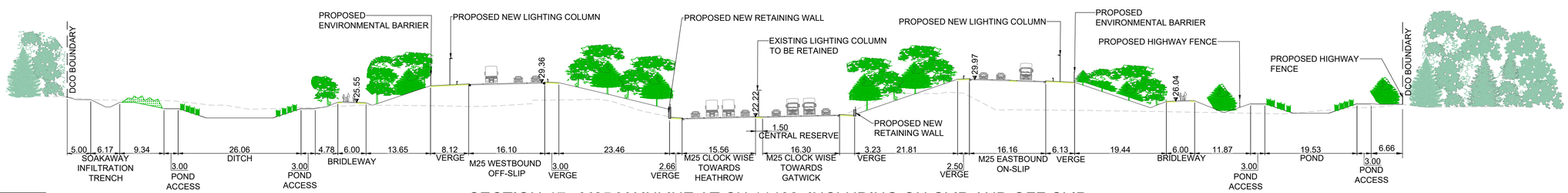
SECTION-16 : M25 MAINLINE AT CH. 11802 INCLUDING ON-SLIP AND OFF-SLIP

SCALE 1:250



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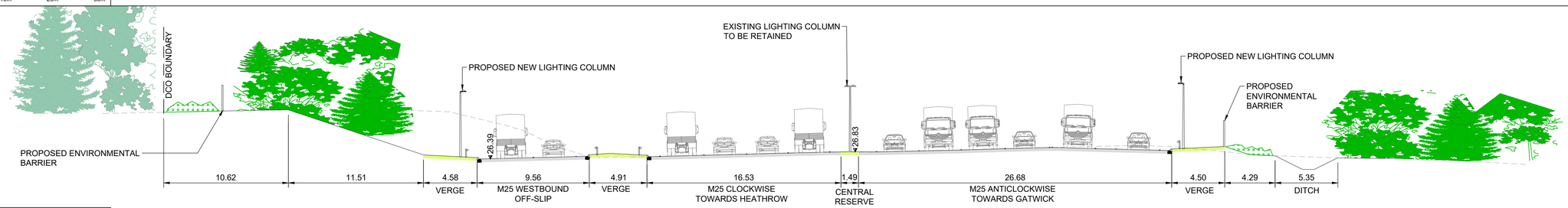
SECTION-17 : M25 MAINLINE AT CH.11408 INCLUDING ON-SLIP AND OFF-SLIP

SCALE 1:500



Scale 1:200
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SECTION-18 : M25 MAINLINE AT CH. 11097 INCLUDING ON-SLIP AND OFF-SLIP

SCALE 1:200

NOTES:

1. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE STATED.
2. THE LAND TAKE REQUIREMENTS FOR THE LOCAL ACCESS ROADS ARE DEPENDENT ON EARTHWORKS REQUIREMENTS.
3. EARTHWORKS REQUIREMENTS ARE PENDING DETAILED TOPOGRAPHICAL SURVEY.
4. ALL EARTHWORKS SLOPES TO BE 1(V):4(H) UNLESS OTHERWISE SHOWN.
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6. VERGE WIDTHS SHOWN ARE MINIMUM. VERGE WIDTH SHALL BE INCREASED TO PROVIDE SIGHT DISTANCE WHERE REQUIRED.
7. STREET FURNITURE OMITTED FOR CLARITY REFER TO 'TYPICAL VERGE DETAILS' DRAWINGS.
8. VEGETATION SHOWN 15 YEARS AFTER OPENING.

KEY:

- PROPOSED TREE AND SHRUB PLANTING
- EXISTING VEGETATION
- EXISTING GROUND LEVEL
- MARGINAL AND EMERGENT VEGETATION
- PROPOSED OPEN GRASSLAND OR LOW VEGETATION
- 26.39 LEVEL OF PROPOSED ROAD WORKS

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).

Construction
NONE

Maintenance / Cleaning
NONE

Use
NONE

Decommissioning / Demolition
NONE

Description	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
DCO APPLICATION	A4	0	SA	NK	VA	CT	10/06/19

Drawing Suitability: DCO APPLICATION
Status: A4

Project Title: M25 junction 10/A3 Wisley interchange

Drawing Title: CROSS SECTIONS REGULATION 5(2)(o) AND 6(2)

SHEET 5 OF 5

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Drawing Number: TR010030/APP/2.9
Rev: 0

HE PIN: HE551522
Scale: AS SHOWN
Original Size: A1

DO NOT SCALE

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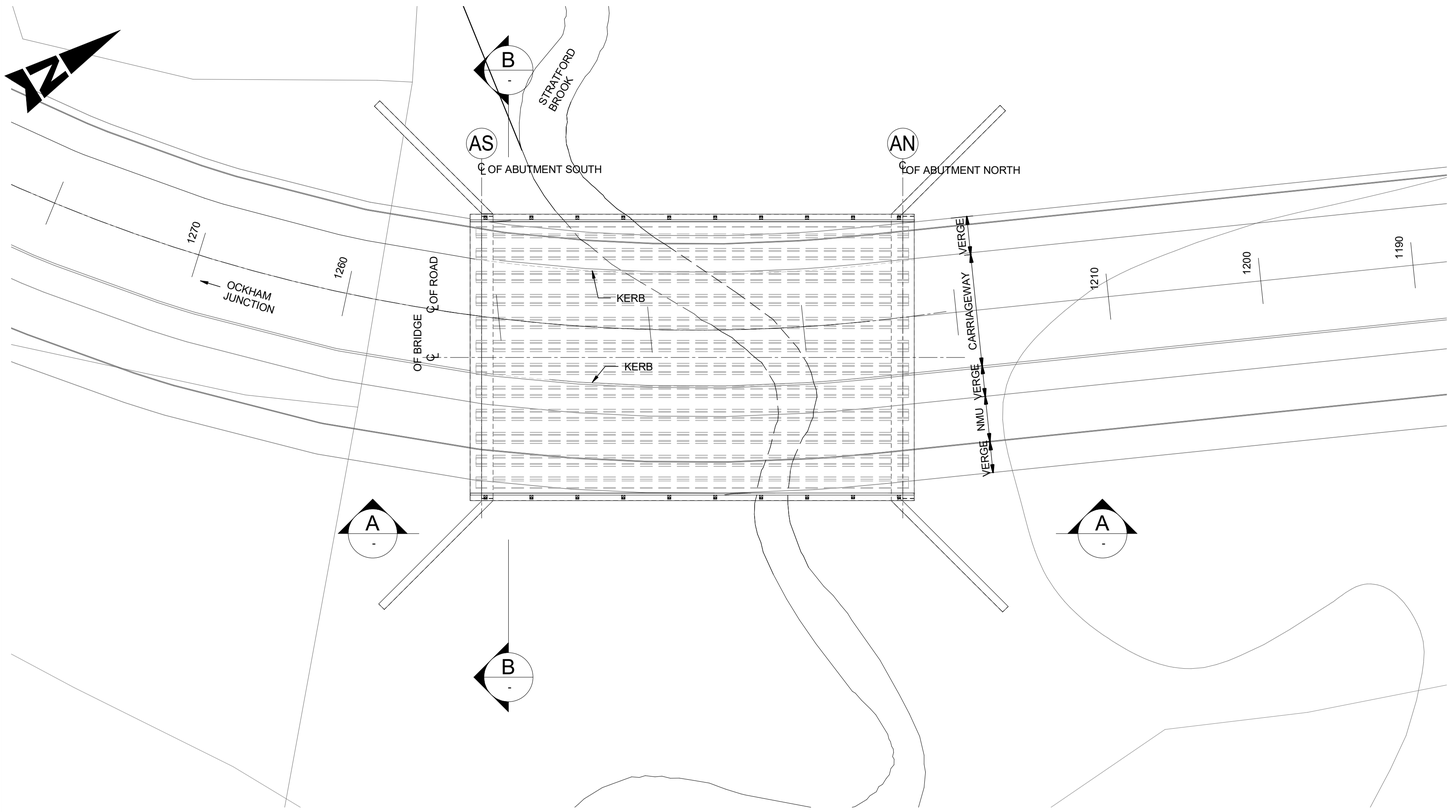

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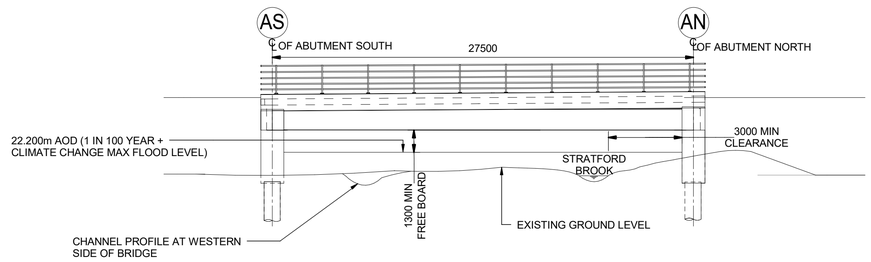

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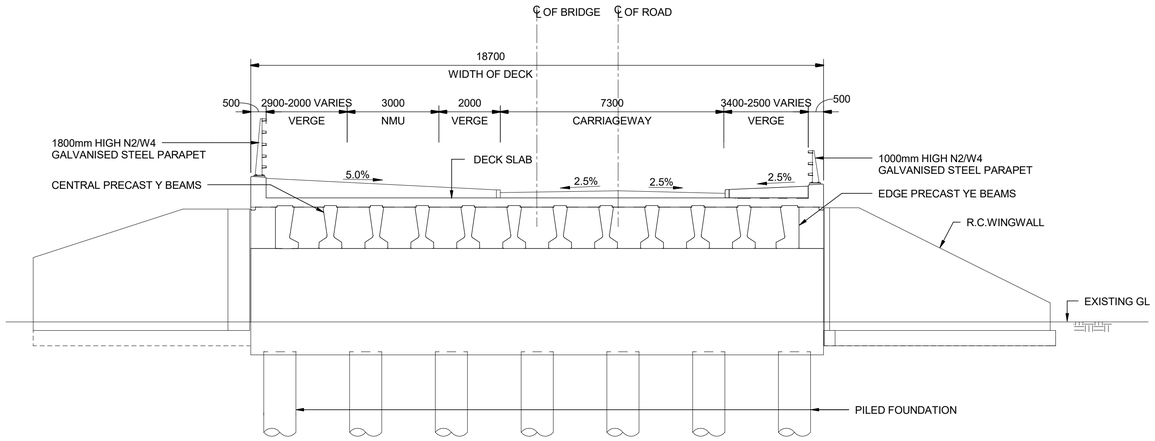
SCALE 1 : 200



B SECTION

SCALE 1 : 100

1. ALL DIMENSIONS ARE IN MILLIMETRES; ALL LEVELS AND CHAINAGES ARE IN METRES UNLES NOTED OTHERWISE.
2. FULL LENGTH OF PILES NOT SHOWN.
3. DRAINAGE NOT SHOWN

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).

Construction
NONE

Maintenance / Cleaning
NONE

Use
NONE

Decommissioning / Demolition
NONE

Description	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
DCO APPLICATION	A4	0	SP	KP	RP	VA	06/06/19

Drawing Suitability: DCO APPLICATION
Status: A4

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Client: Working on behalf of highways england

Project Title: M25 Junction10/A3 Wisley Interchange

Drawing Title: STRUCTURE DETAILS
STRATFORD BROOK UNDERBRIDGE
REGULATIONS 5(2)(o) AND 6(2)
SHEET 1 OF 7

Drawing Number: TR010030/APP/2.9
Rev: 0

HE PIN: HE551522
Scale: As Shown
Original Size: A1

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DO NOT SCALE

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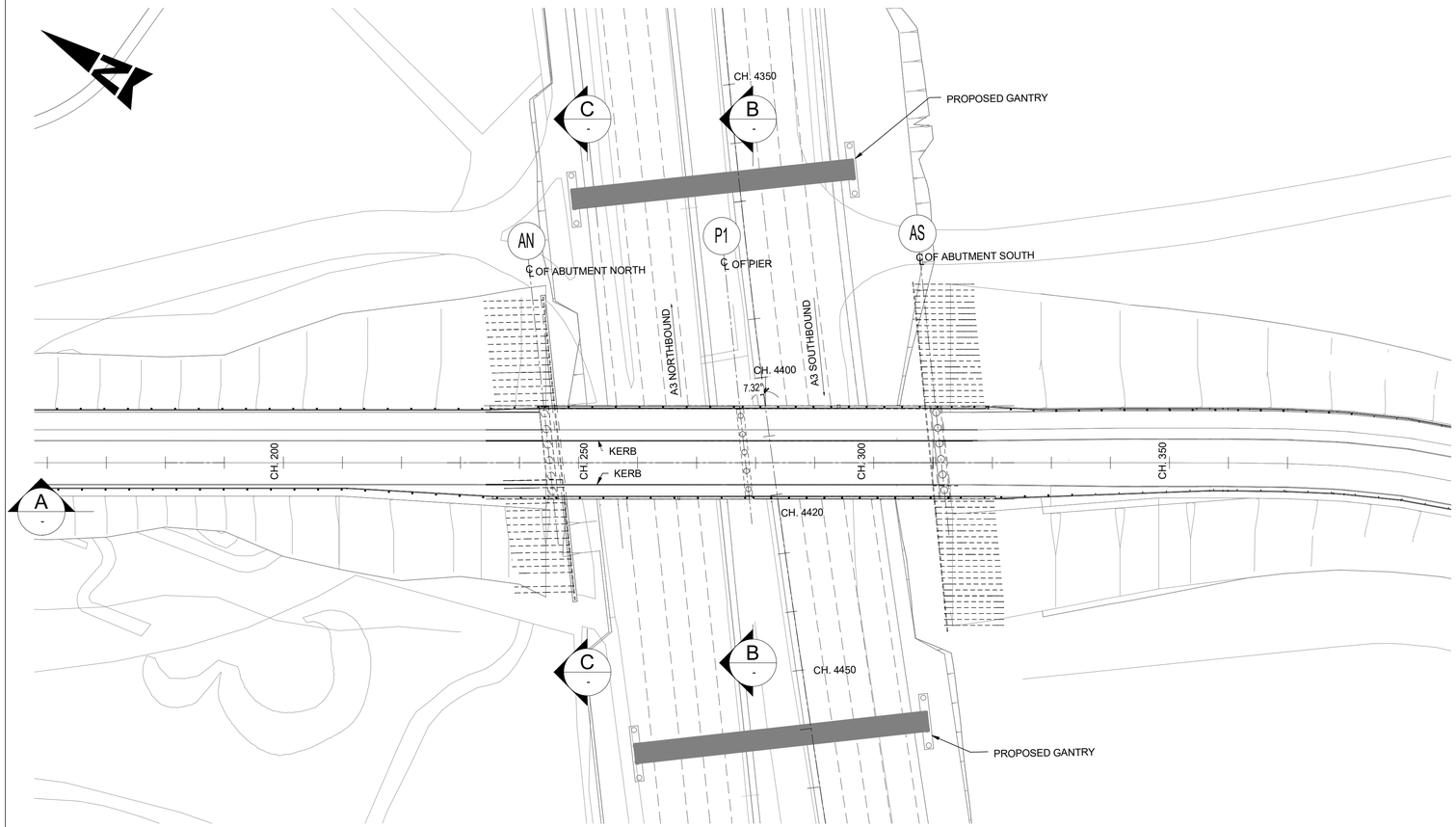
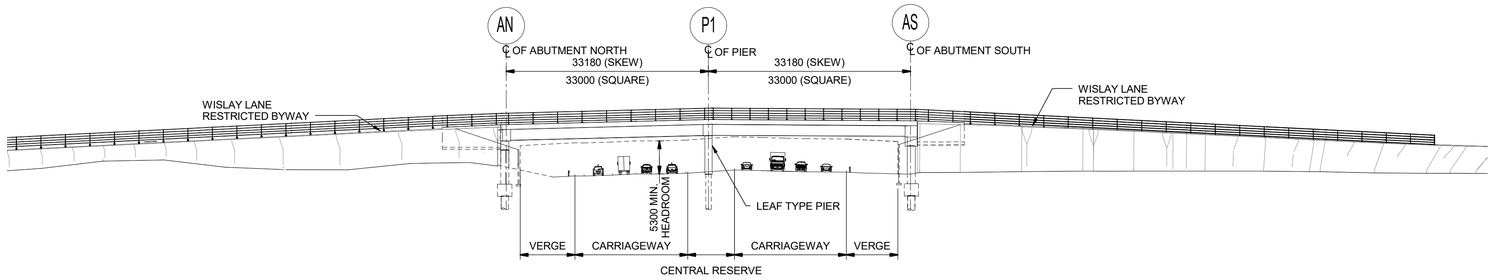


PLAN
SCALE 1 : 500



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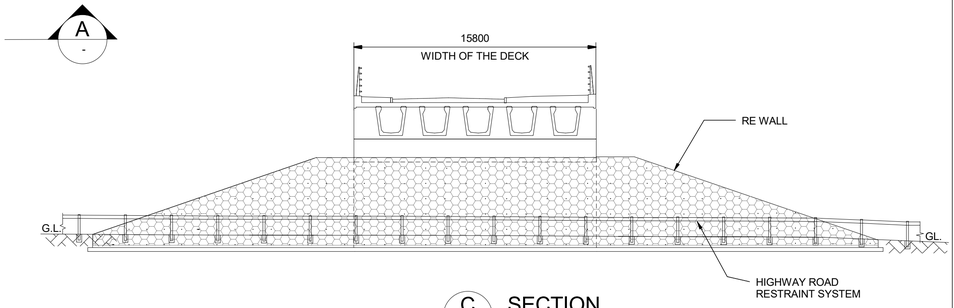
SCALE 1 : 500



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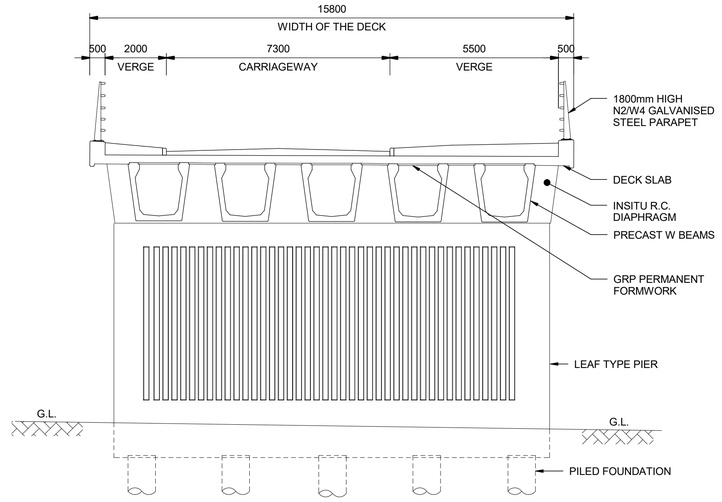

B SECTION
SCALE 1 : 100

NOTES

1. ALL DIMENSIONS ARE IN MILLIMETRES; ALL CHAINAGES ARE IN METRES UNLESS NOTED OTHERWISE.
2. FULL LENGTH OF PILES NOT SHOWN.
3. DRAINAGE NOT SHOWN

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).

Construction
WORKING NEAR LIVE TRAFFIC

Maintenance / Cleaning
WORKING NEAR LIVE TRAFFIC

Use
NONE

Decommissioning / Demolition
NONE

Description	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
DCO APPLICATION	A4	0	SP	KP	RP	VA	06/06/19

Drawing Suitability: DCO APPLICATION
Status: A4
Project Title: M25 Junction10/A3 Wisley Interchange

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Client: Working on behalf of highways england

Drawing Title: STRUCTURE DETAILS
WISLEY LANE OVERBRIDGE
REGULATIONS 5(2)(o) AND 6(2)
SHEET 2 OF 7

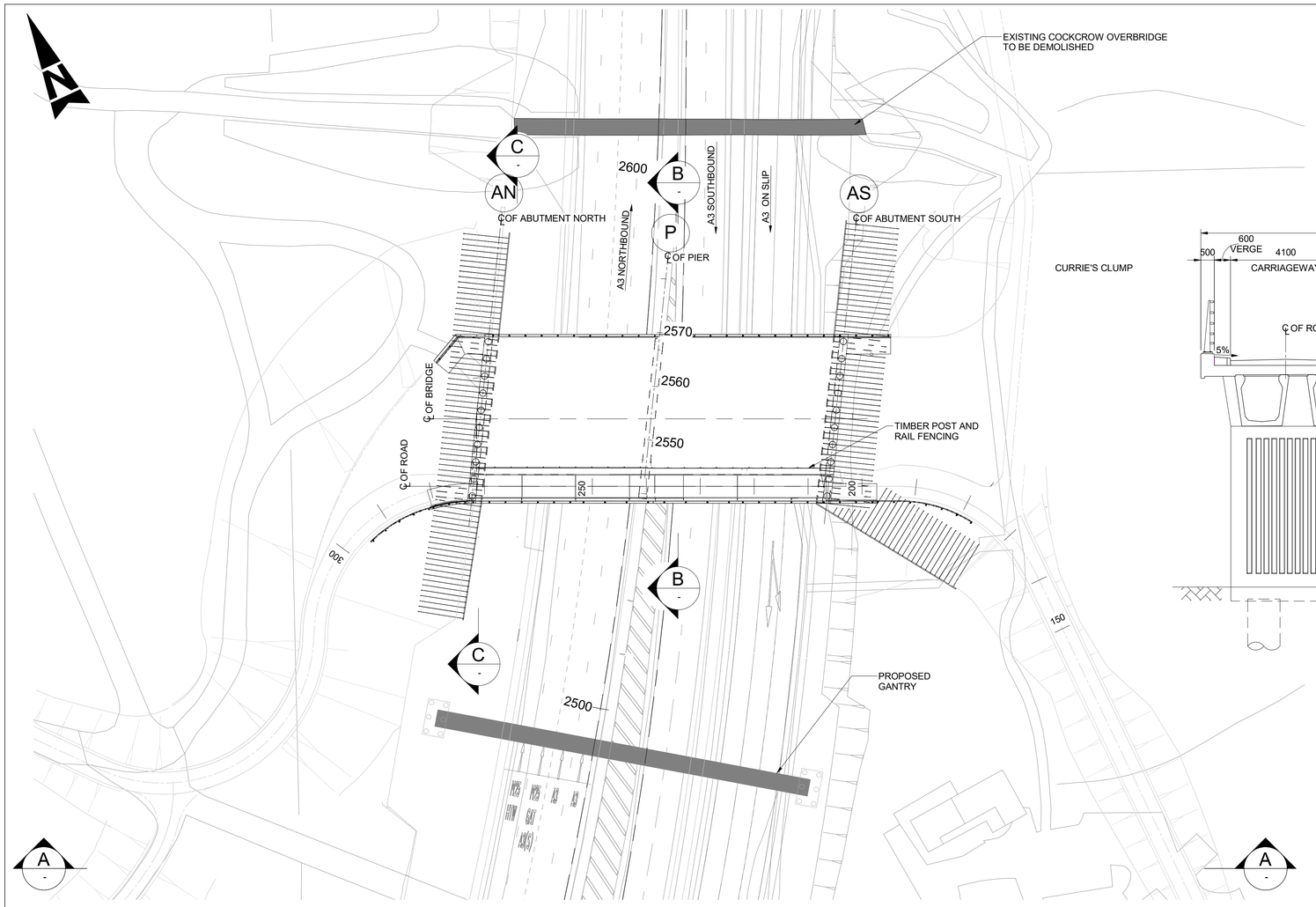
Drawing Number: TR010030/APP/2.9
Rev: 0

HE PIN: HE551522
Scale: As Shown
Original Size: A1

R:\dms15130\HE551522-ATK-SBR-A3_L1_BN_WLE-M3-CB-000001_1.rvt

DO NOT SCALE

Millimetres 0 10 100



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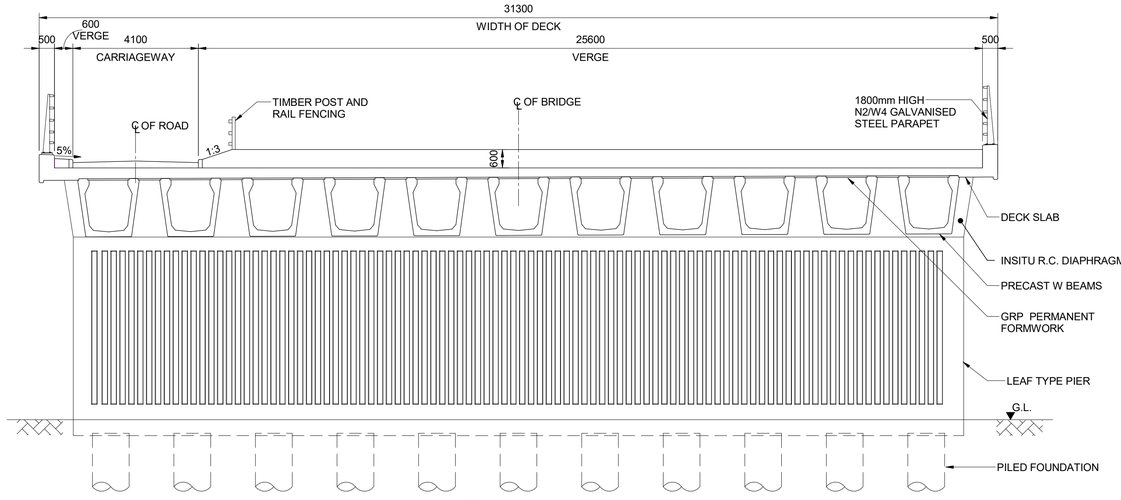
SCALE 1 : 500



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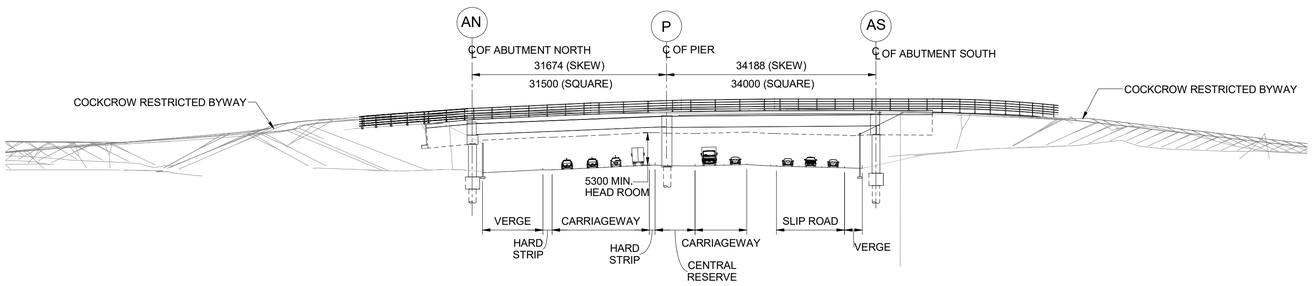

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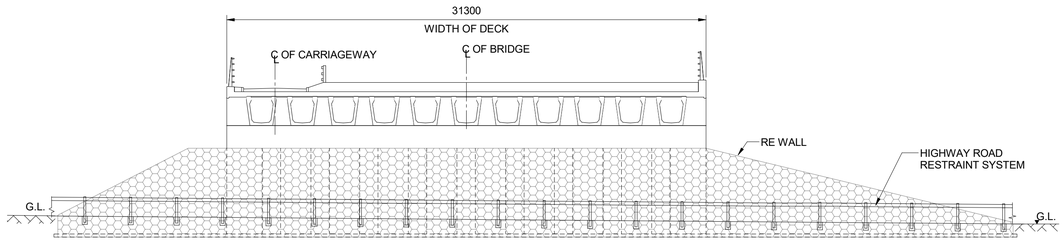
SCALE 1 : 500



C SECTION
SCALE 1 : 200

NOTES

1. ALL DIMENSIONS ARE IN MILLIMETRES; ALL CHAINAGES ARE IN METRES UNLESS NOTED OTHERWISE.
2. FULL LENGTH OF PILES NOT SHOWN.
3. DRAINAGE NOT SHOWN
4. FOR LEVELS REFER TO LONGITUDINAL SECTION DRAWING HE551522-ATK-LDC-A3_ML_LS-DR-ZL-021114.

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).

Construction
WORKING NEAR LIVE TRAFFIC

Maintenance / Cleaning
WORKING NEAR LIVE TRAFFIC

Use
NONE

Decommissioning / Demolition
NONE

Description	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
APPLICATION ISSUE	A4	0	SP	KP	RP	VA	06/06/2019
SUBMITTED FOR DEADLINE 4	A4	1	KE	KP	RP	VA	15/01/2020

Drawing Suitability: DCO APPLICATION
Status: A4

Project Title: M25 Junction10/A3 Wisley Interchange

Drawing Title: STRUCTURE DETAILS
COCKCROW OVERBRIDGE
REGULATIONS 5(2)(o) AND 6(2)
SHEET 3 OF 7

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Client: Working on behalf of highways england

Drawing Number: TR010030/APP/2.9
Rev: 1

HE PIN: HE551522
Scale: As Shown
Original Size: A1

C:\projectwise\5158141 HE551522 - M25 J10\dms15130\HE551522-ATK-SBR-A3_L1_BN_CRW-M3-CB-000001.rvt

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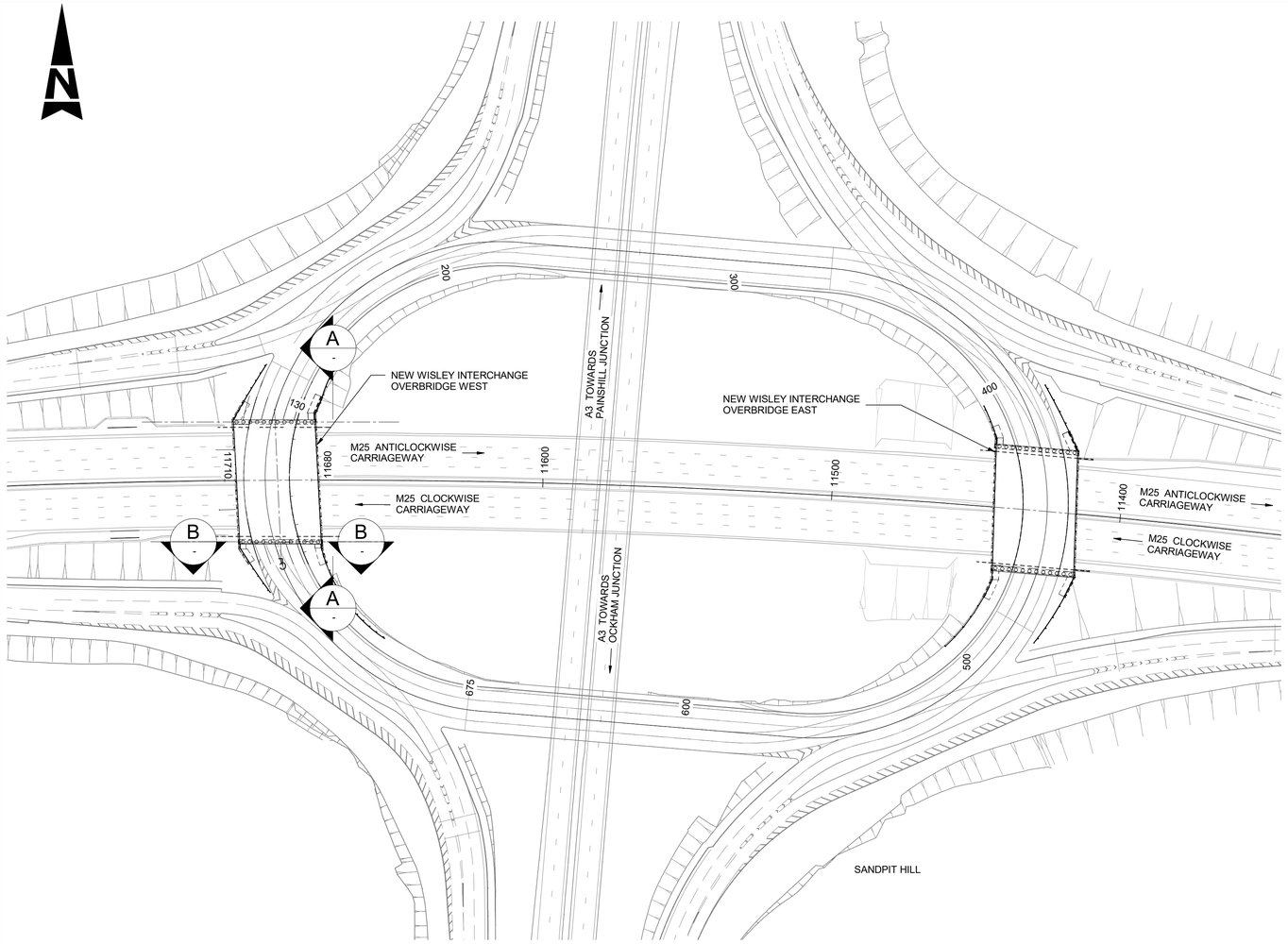
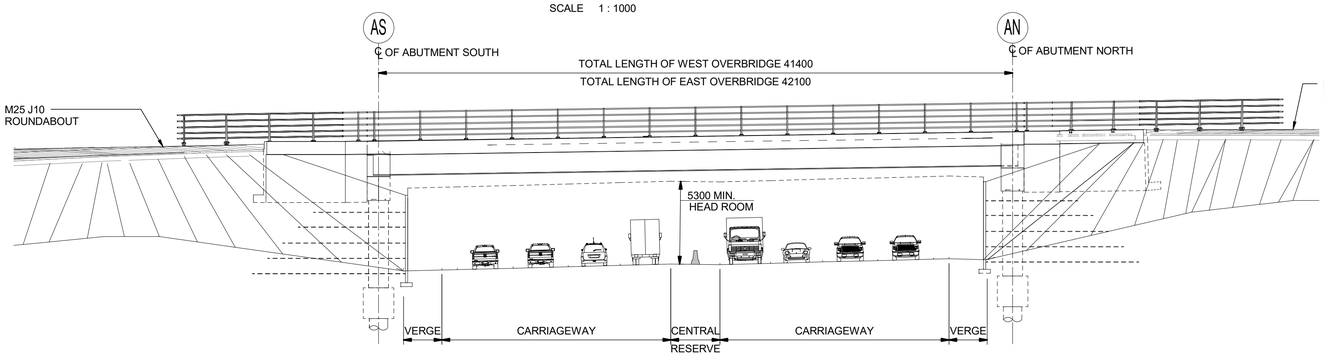
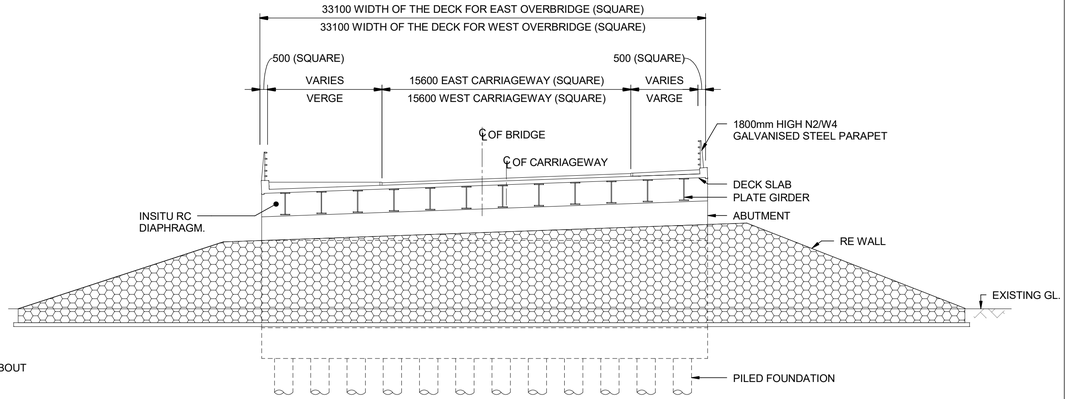


PLAN
SCALE 1 : 1000



A
-
ELEVATION
SCALE 1 : 200



B
-
SECTION
SCALE 1 : 200

NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETRES; ALL CHAINAGES ARE IN METRES UNLESS NOTED OTHERWISE.
2. FULL LENGTH OF PILES NOT SHOWN.
3. DRAINAGE NOT SHOWN

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).

Construction
WORKING NEAR LIVE TRAFFIC

Maintenance / Cleaning
WORKING NEAR LIVE TRAFFIC

Use
NONE

Decommissioning / Demolition
NONE

Description	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
DCO APPLICATION	A4	0	SP	KP	RP	VA	06/06/19

Drawing Suitability: DCO APPLICATION
Status: A4

Project Title: M25 Junction10/A3 Wisley Interchange

Drawing Title: STRUCTURE DETAILS NEW JUNCTION 10 BRIDGES REGULATIONS 5(2)(o) AND 6(2) SHEET 4 OF 7

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Client: Working on behalf of highways england

Drawing Number: TR010030/APP/2.9
Rev: 0

HE PIN: HE551522
Scale: As Shown
Original Size: A1

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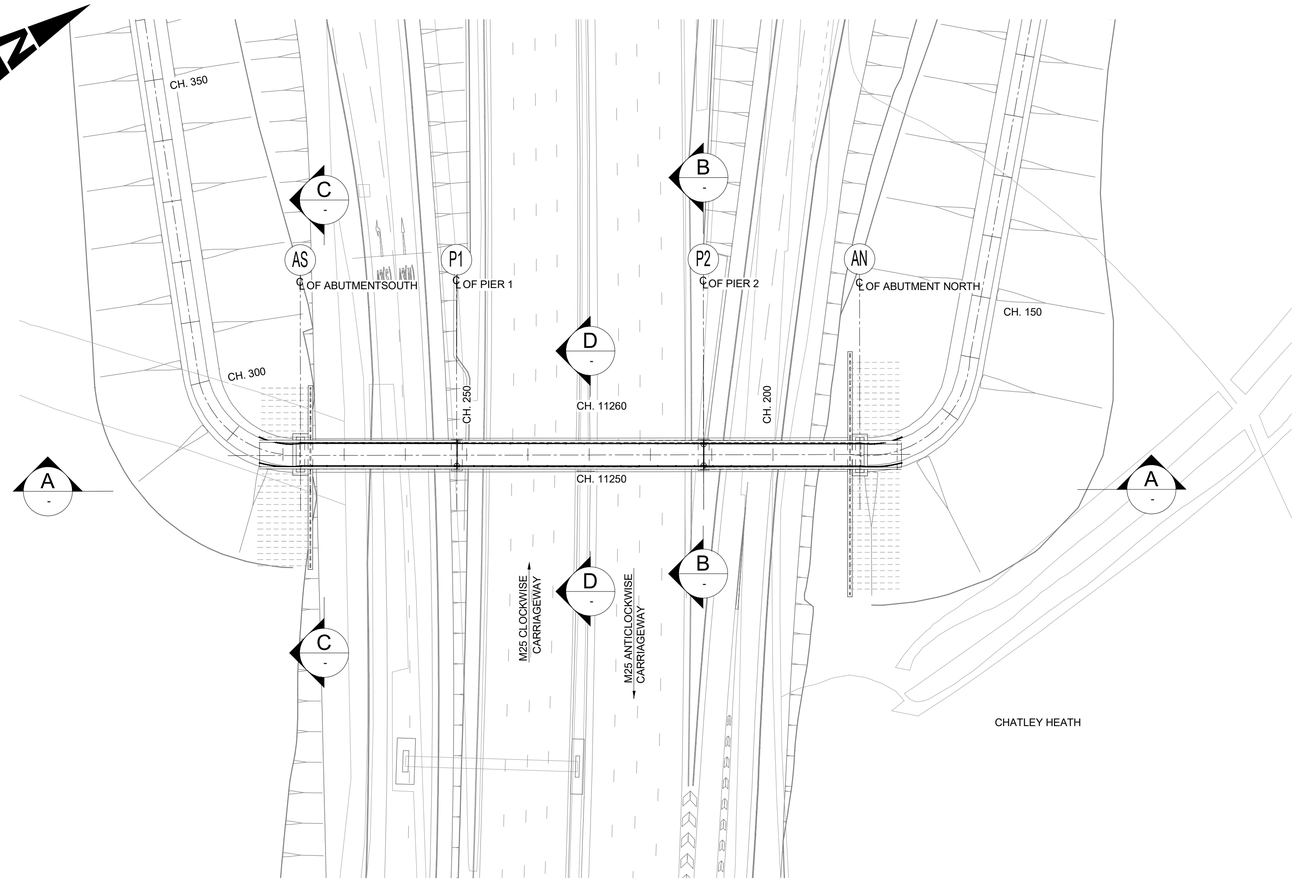
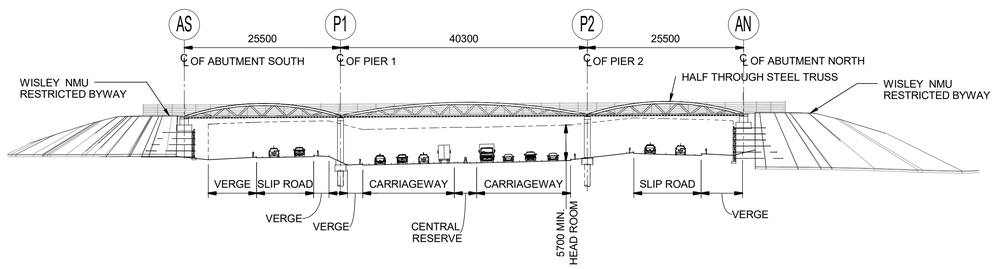
DO NOT SCALE

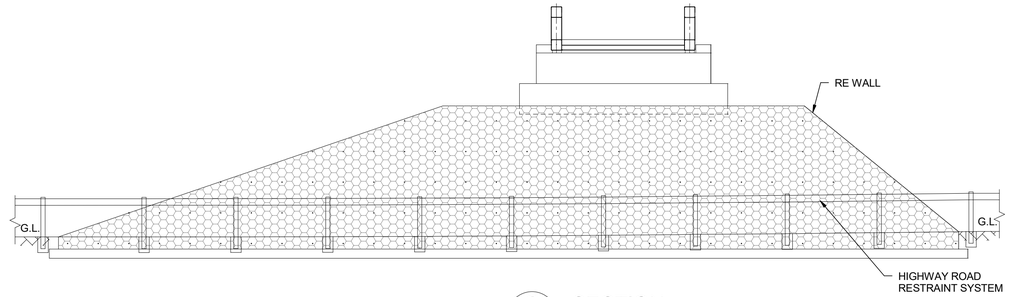
Millimetres 0 10 100



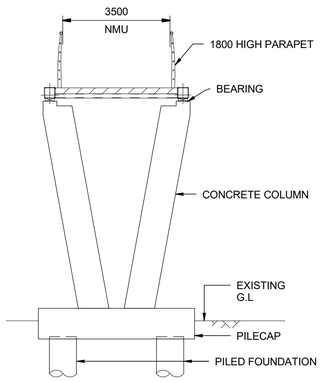
PLAN
SCALE 1 : 500



A ELEVATION
SCALE 1 : 500



C SECTION
SCALE 1 : 100



B SECTION
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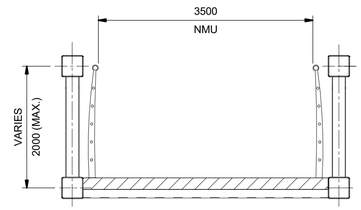

D SECTION
SCALE 1 : 50

NOTES

1. ALL DIMENSIONS ARE IN MILLIMETRES; ALL CHAINAGES ARE IN METRES UNLESS NOTED OTHERWISE.
2. FULL LENGTH OF PILES NOT SHOWN.
3. DRAINAGE NOT SHOWN

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).

Construction
WORKING NEAR LIVE TRAFFIC

Maintenance / Cleaning
WORKING NEAR LIVE TRAFFIC

Use
NONE

Decommissioning / Demolition
NONE

Description	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
DCO APPLICATION	A4	0	SP	KP	RP	VA	06/06/19

Drawing Suitability: DCO APPLICATION
Status: A4

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Client: Working on behalf of highways england

Project Title: M25 Junction10/A3 Wisley Interchange

Drawing Title: STRUCTURE DETAILS SANDPIT HILL OVERBRIDGE REGULATIONS 5(2)(o) AND 6(2) SHEET 5 OF 7

Drawing Number: TR010030/APP/2.9
Rev: 0

HE PIN: HE551522
Scale: As Shown
Original Size: A1

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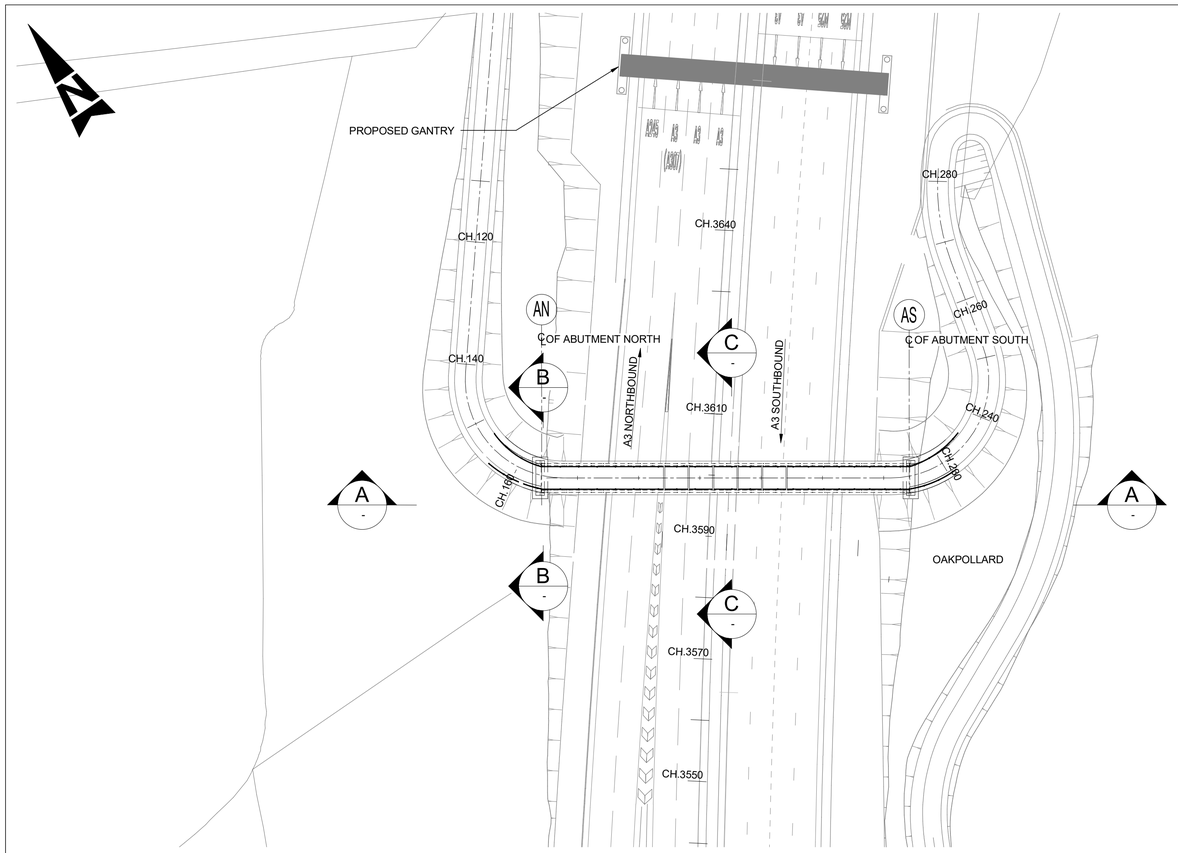
DO NOT SCALE

Millimetres 0 10 100



PLAN
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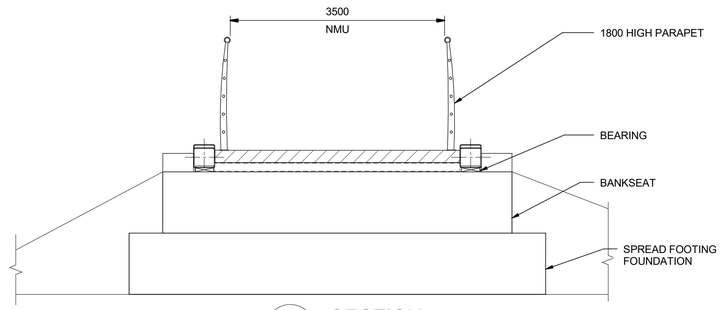

B - SECTION
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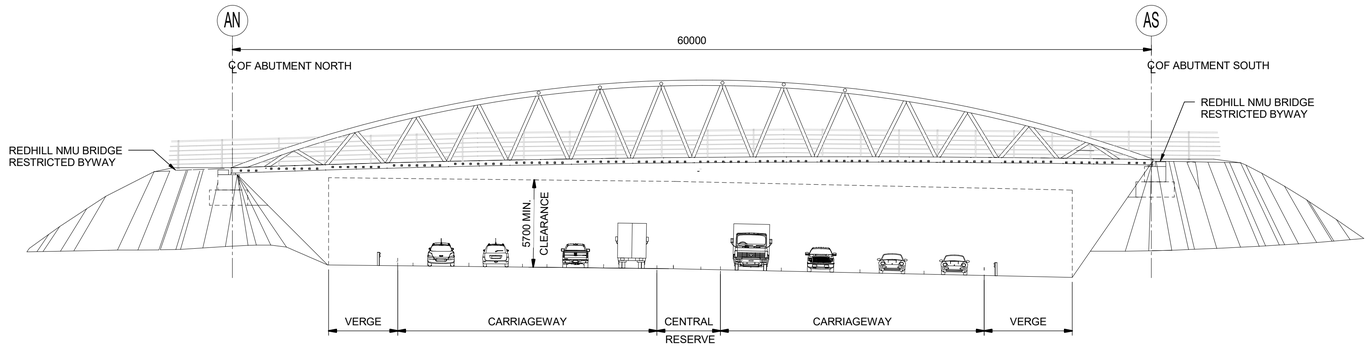
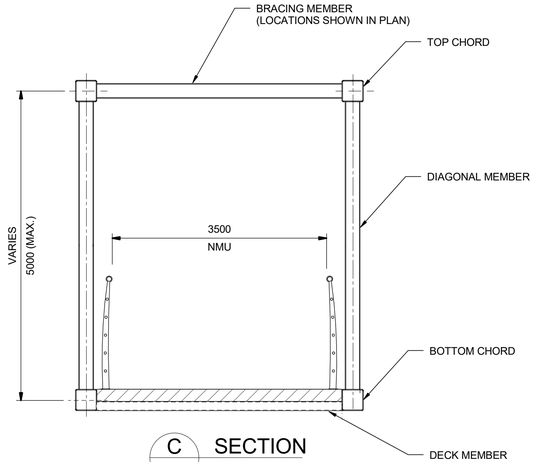


A - ELEVATION
SCALE 1 : 200



C - SECTION
SCALE 1 : 50

NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETRES; ALL CHAINAGES ARE IN METRES UNLESS NOTED OTHERWISE.
2. FULL LENGTH OF PILES NOT SHOWN.
3. DRAINAGE NOT SHOWN

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).

Construction
WORKING NEAR LIVE TRAFFIC

Maintenance / Cleaning
WORKING NEAR LIVE TRAFFIC

Use
NONE

Decommissioning / Demolition
NONE

Description	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
DCO APPLICATION	A4	0	SP	KP	RP	VA	06/06/19

Drawing Suitability: DCO APPLICATION
Status: A4

Project Title: M25 Junction10/A3 Wisley Interchange

Drawing Title: STRUCTURE DETAILS REDHILL OVERBRIDGE REGULATIONS 5(2)(o) AND 6(2) SHEET 6 OF 7

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Client: Working on behalf of highways england

Drawing Number: TR010030/APP/2.9
Rev: 0

HE PIN: HE551522
Scale: As Shown
Original Size: A1

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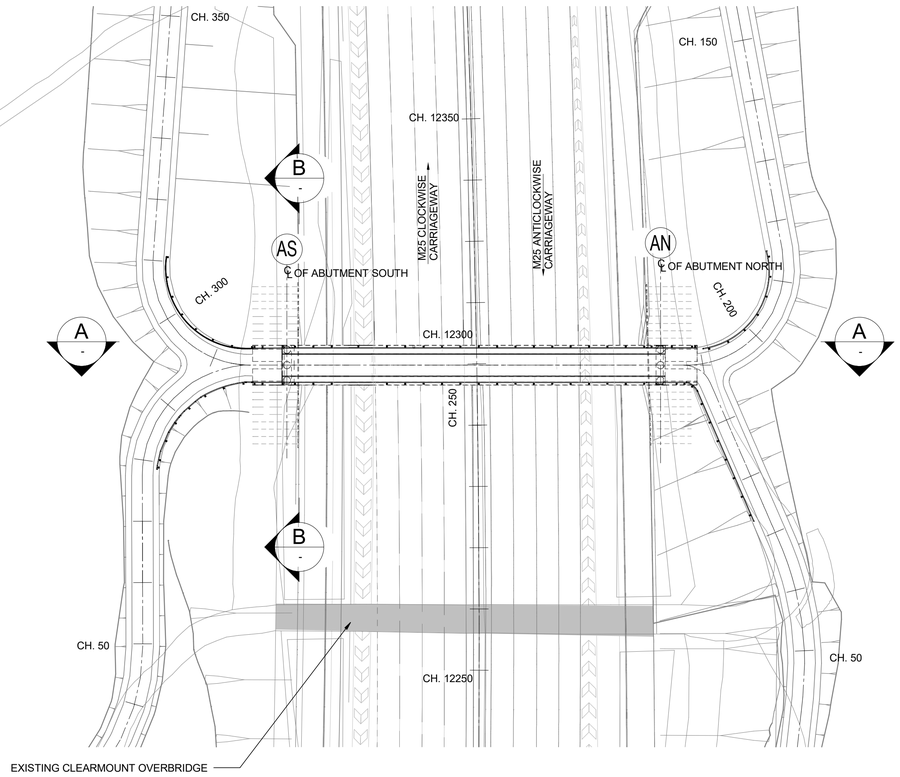
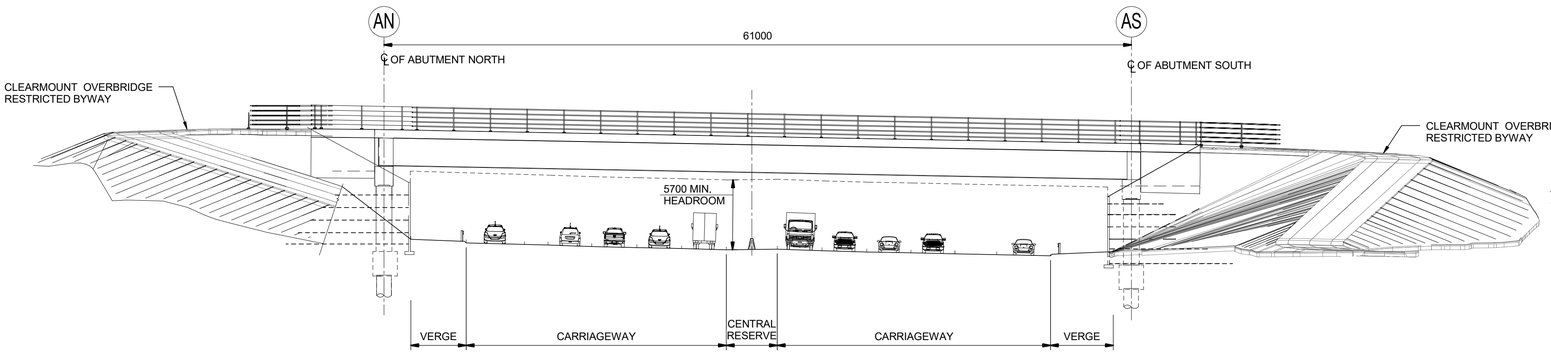
DO NOT SCALE

Millimetres 0 10 100



PLAN
SCALE 1 : 500



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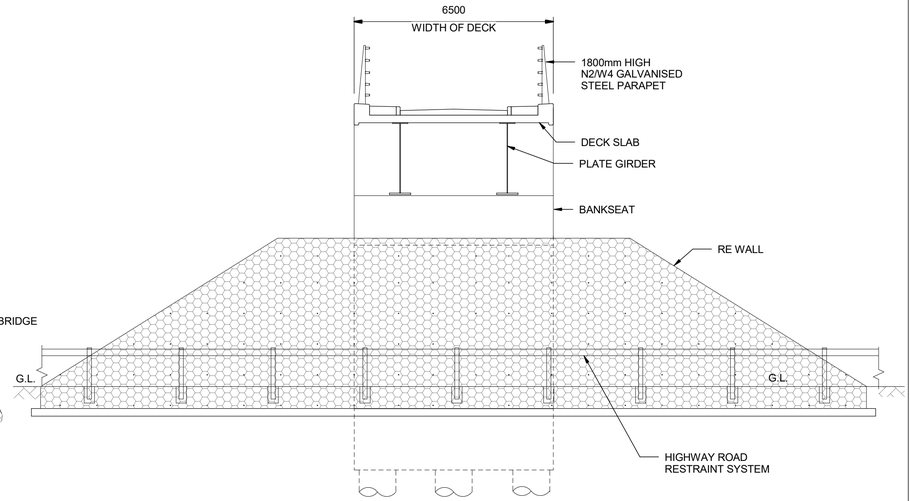
SCALE 1 : 250



B - SECTION
SCALE 1 : 100

NOTES

1. ALL DIMENSIONS ARE IN MILLIMETRES; ALL CHAINAGES ARE IN METRES UNLESS NOTED OTHERWISE.
2. FULL LENGTH OF PILES NOT SHOWN.
3. DRAINAGE NOT SHOWN

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).

Construction
WORKING NEAR LIVE TRAFFIC

Maintenance / Cleaning
WORKING NEAR LIVE TRAFFIC

Use
NONE

Decommissioning / Demolition
NONE

Description	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
DCO APPLICATION	A4	0	SP	KP	RP	VA	06/06/19

Drawing Suitability: DCO APPLICATION
Status: A4

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Client: Working on behalf of highways england

Project Title: M25 Junction10/A3 Wisley Interchange

Drawing Title: STRUCTURE DETAILS CLEARMOUNT OVERBRIDGE REGULATIONS 5(2)(o) AND 6(2) SHEET 7 OF 7

Drawing Number: TR010030/APP/2.9
Rev: 0

HE PIN: HE551522
Scale: As Shown
Original Size: A1

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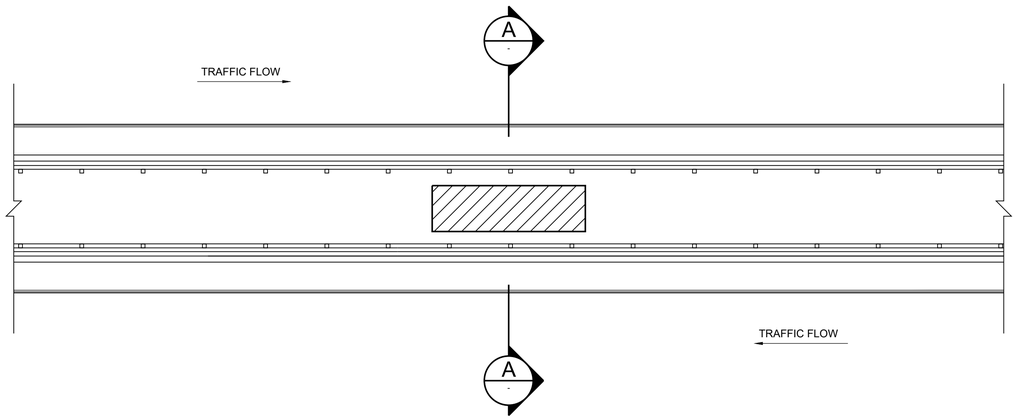
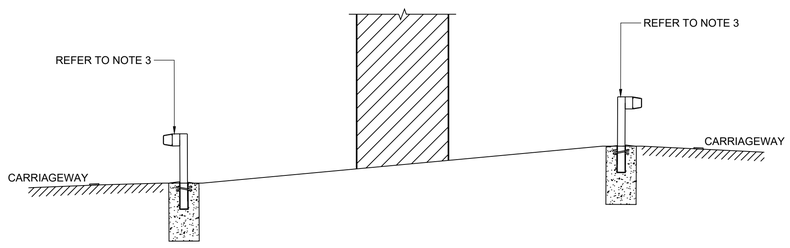
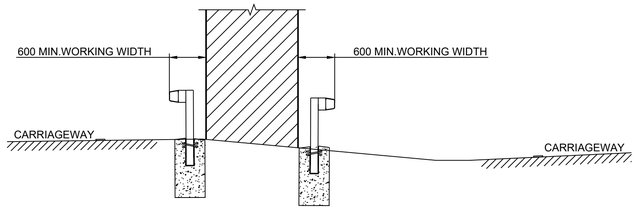


PLAN ON CENTRAL RESERVE STEEL BOX BEAM
SCALE 1:100



SECTION A-A: CENTRAL RESERVE
WISLEY LANE OVERBRIDGE @ CH 1355
SCALE 1:50



SECTION A-A: CENTRAL RESERVE
NEW COCKCROW OVERBRIDGE @ CH 2550
SCALE 1:50

Scale 1:50
1m 0m 1m 2m 3m

Scale 1:100
4m 3m 2m 1m 0m 2m 4m

NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED.
2. FOR SETBACK DETAILS AND WORKING WIDTH, REFER TO DMRB TD27/05 VOLUME 6, SECTION 1 PART 2 AND BS EN 1317-2:2010.
3. SAFETY BARRIER PROVIDING W4 WORKING WIDTH TO BE CONFIRMED DURING DETAILED DESIGN.SOCKETED FOUNDATION (WHERE REQUIRED).

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).

Construction
NONE

Maintenance / Cleaning
NONE

Use
NONE

Decommissioning / Demolition
NONE

Description	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
DCO APPLICATION	A4	0	DD	LH	RM	VA	07/06/19

Drawing Suitability: DCO APPLICATION
Status: A4

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Fax: +44 (0)1372 740055
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Client: Working on behalf of highways england

Project Title: M25 junction 10/A3 Wisley interchange

Drawing Title: TYPICAL STEEL ROAD RESTRAINT AT OVERBRIDGES/VERGES REGULATION 5(2)(o) AND 6(2) SHEET 1 OF 2

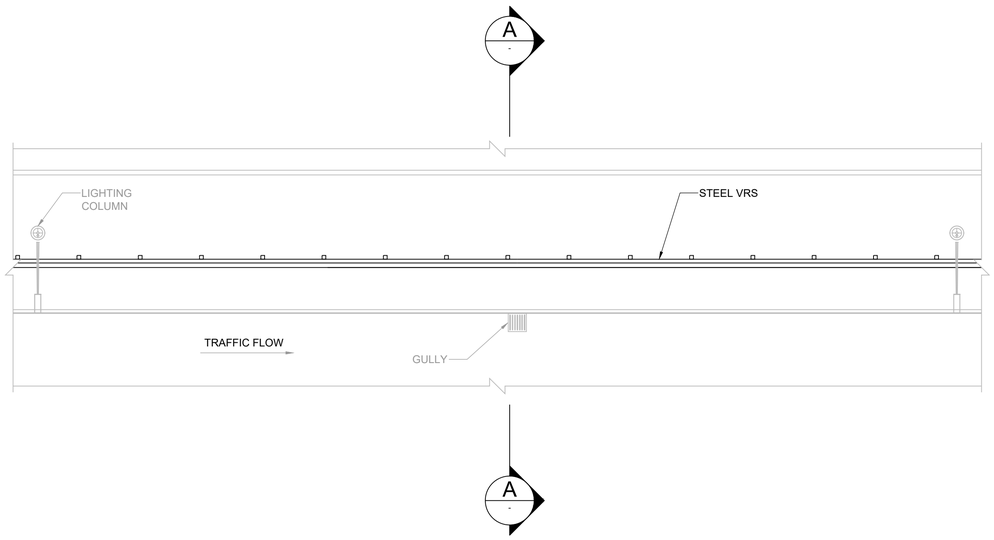
Drawing Number: TR010030/APP/2.9
Rev: 0

HE PIN: HE551522
Scale: AS SHOWN
Original Size: A1

This Drawing is saved on ProjectWise. Plotted: 13/06/2019 08:45:11 By: ARRO9099

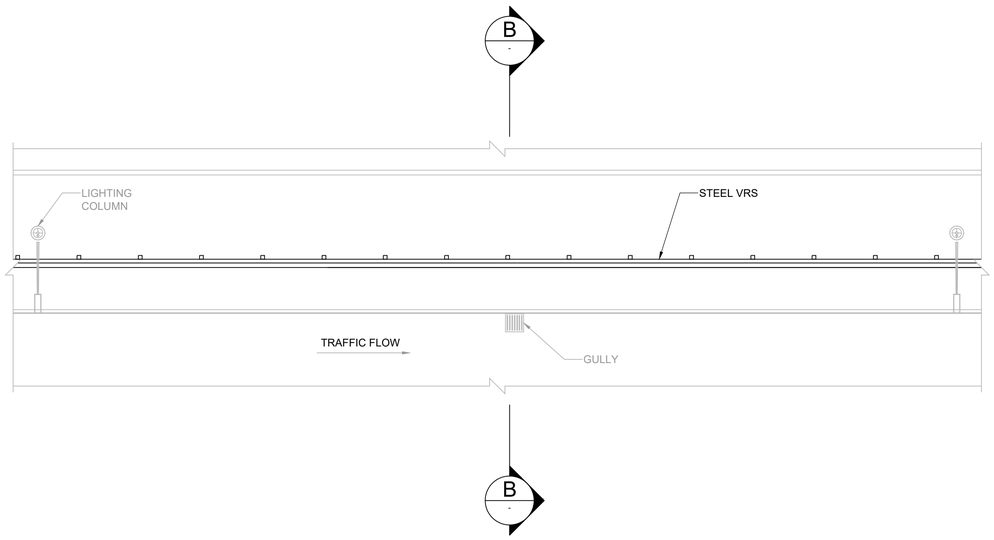
DO NOT SCALE

Millimetres 100 10 0



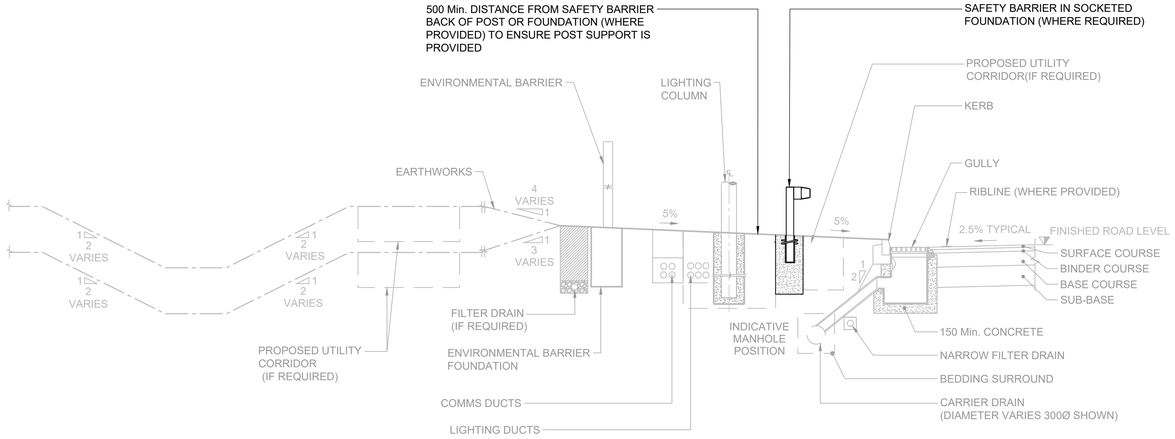
PLAN ON VERGE STEEL BOX BEAM

SCALE 1:100



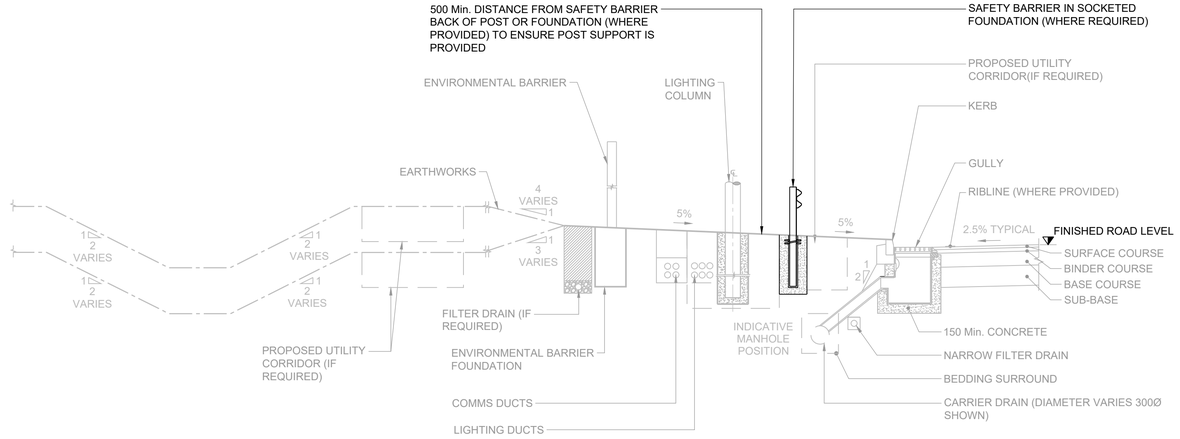
PLAN ON VERGE CORRUGATED BEAM

SCALE 1:100



SECTION A-A VERGE DETAILS WITH STEEL BOX BEAM

SCALE 1:50



SECTION B-B VERGE DETAILS CORRUGATED BEAM

SCALE 1:50

Scale 1:50
1m 0m 1m 2m 3m

Scale 1:100
4m 3m 2m 1m 0m 2m 4m

NOTES

1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED.
2. FOR SETBACK DETAILS AND WORKING WIDTH, REFER TO DMRB TD27/05 VOLUME 6, SECTION 1 PART 2 AND BS EN 1317-2:2010.

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).

Construction
NONE

Maintenance / Cleaning
NONE

Use
NONE

Decommissioning / Demolition
NONE

Description	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
DCO APPLICATION	A4	0	DD	LH	RM	VA	07/06/19

Drawing Suitability: DCO APPLICATION
Status: A4

Project Title: M25 junction 10/A3 Wisley interchange

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Drawing Title: TYPICAL STEEL ROAD RESTRAINT AT OVERBRIDGES/VERGES REGULATION 5(2)(o) AND 6(2) SHEET 2 OF 2

Client: Working on behalf of highways england

Drawing Number: TR010030/APP/2.9
Rev: 0

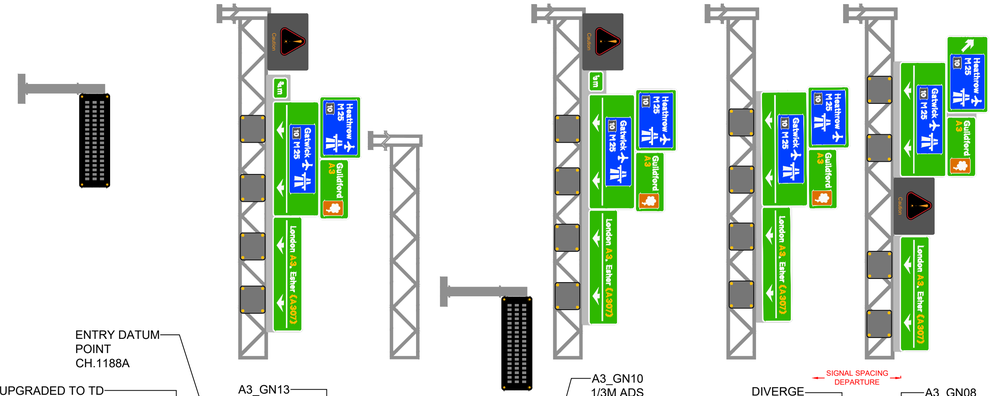
HE PIN: HE551522
Scale: AS SHOWN
Original Size: A1

This Drawing is saved on ProjectWise. Plotted: 13/06/2019 08:45:21 By: ARRO9099

DO NOT SCALE

Millimetres 0 10 100

M25 TO HEATHROW



ENTRY DATUM POINT CH.1188A

MERGE UPGRADED TO TD 22/06 TYPE F MERGE OPTION 2 ONE LANE GAIN WITH GHOST ISLAND

A3_GX04 EXISTING UPGRADED MS3 15/2B+20 CH.666B

A3_GN13 3/4M ADS, MS4 AND AMI'S CH.1309A

A3_GX03 EXISTING UPGRADED MS3 14/2B+78 CH.1569B

A3_GN10 1/3M ADS MS4 AND AMI'S CH.1872B

DIVERGE UPGRADED TO TD 22/06 TYPE E (2 LANE DROP)

SIGNAL SPACING DEPARTURE

A3_GN08 CONF ADS, MS4 AND AMI'S CH.2730B

EXIT DATUM CH.2492B

A3_GN09 FINAL ADS AND AMI'S CH.2492B

CH.0000 CH.1000 CH.2000 CH.3000

WISLEY LANE OVERBRIDGE CH.1360

A3 TO PORTSMOUTH

TRAFFIC MODELING RESULTS TO CONFIRM EXTENT OF SIGNALISATION AT THE JUNCTION.

A3_GN16 NEW MS4 TERMINATION VMS CH.5177A

A3_GN15 CONF ADS 15/0A CH.4954A

SIGNAL SPACING DEPARTURE

EXIT DATUM CH.4765A

A3_GN14 FINAL ADS & AMI'S CH.4765A

A3_GN12 1/4M ADS, MS4 AND AMI'S CH.4371A

DIVERGE UPGRADED TO TD 22/06 TYPE C ONE LANE DROP DIVERGE

A3_GN10 1/2M ADS, MS4 AND AMI'S CH.3896A

ENTRY DATUM POINT CH.3610

MERGE UPGRADED TO TD 22/06 TYPE G (2 LANE GAIN) WITH GHOST ISLAND AT THE END OF SLIP ROAD.

COCKCROW OVERBRIDGE

A3_GN08 MS4 AND AMI'S CH.3034A

M25 CLOCKWISE UNDERBRIDGE CH.3010

FOR DETAILS AT JUNCTION 10 REFER TO HE551522-ATK-LDC-M25_ML-DR-ZL-021131

SIGNAL SPACING DEPARTURE

SPACING DEPARTURE

A3_GN06 MS4 AND AMI'S CH.3415B

REDHILL ROAD OVERBRIDGE

ENTRY DATUM 3630B

MERGE UPGRADED TO TD 22/06 TYPE E x 2 (TWO LANES GAIN)

A3_GN04 1/3M ADS, MS4 AND AMI'S CH.3908B

DIVERGE UPGRADED TO TD 22/06 TYPE D (OPTION 1) ONE LANE DROP WITH ONE GHOST ISLAND

EXIT DATUM CH.4306

A3_GN02 FINAL ADS AND AMI'S CH.4185B

A3 NB LAR

A3_GN01 CONF ADS, MS4 AND AMI'S CH.4864B

CH.4000 CH.5000 CH.6000

A3 TO LONDON

REDHILL NMU

A3_GN06 CONF ADS, MS4 AND AMI'S CH.2349A

M25 ANTICLOCKWISE UNDERBRIDGE CH.3170

SIGNAL SPACING DEPARTURE

A3_GN05 FINAL ADS AND AMI'S CH.2099A

EXIT DATUM POINT CH.2099

DIVERGE UPGRADED TO TD 22/06 TYPE E (2 LANE DROP)

A3_GN04 NEW MS3 CH.1858A

A3_GN02 1/3M ADS, MS4 AND AMI'S CH.1581A

ENTRY DATUM CH.1359

A3_GN01 NEW AMIS CH.909A

PAINSHILL JUNCTION OVERBRIDGE

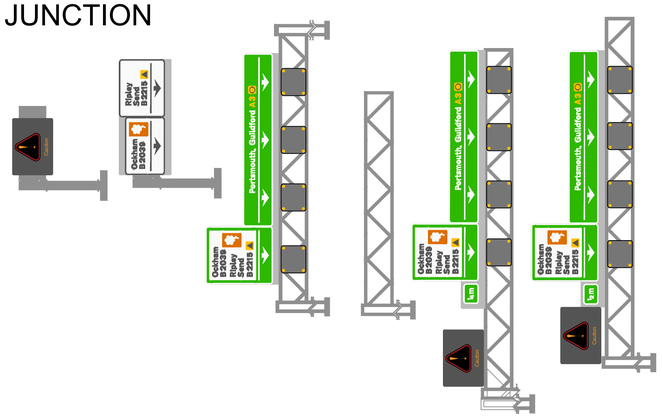
PAINSHILL JUNCTION OVERBRIDGE

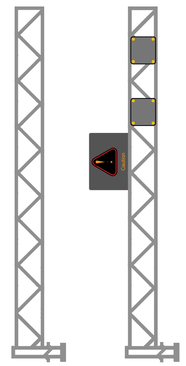
A3_GX01 EXISTING UPGRADED MS3 10/4A CH.318A

MERGE UPGRADED TO TD 22/06 TYPE F (OPTION 1, ONE LANE GAIN) (TWO LANES MERGE ONE GHOST ISLAND)

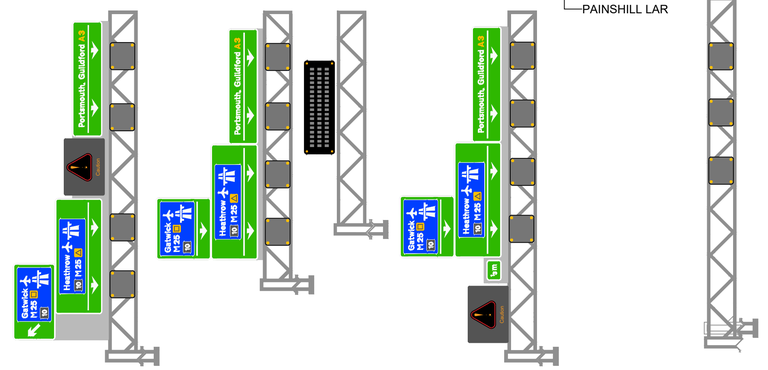
PAINSHILL LAR

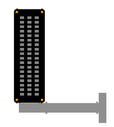
OCKHAM JUNCTION





PAINSHILL JUNCTION





M25 TO GATWICK

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).

Construction
NONE

Maintenance / Cleaning
NONE

Use
NONE

Decommissioning / Demolition
NONE

NOTES:

1. THE KEY IS ONLY RELEVANT TO THE PROPOSED SCHEMATIC.

KEY:

- OVERBRIDGE
- UNDERBRIDGE/UNDERPASS
- GANTRY
- ENTRY SLIP SIGNALS
- MS3 — MS3
- MS4 — MS4
- ADS — ADS (GANTRY MOUNTED)
- AMI
- TRAFFIC SIGNAL (POST MOUNTED)

COLOUR KEY

CYAN = EXISTING UPGRADED
BLUE = EXISTING RETAINED/ASSESSED
RED = EXISTING TO BE REMOVED
GREEN = PROPOSED/NEW

Description	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
DCO APPLICATION	A4	0	DD	NCP	AKW	VA	06/06/19

Drawing Suitability: DCO APPLICATION
Status: A4

Project Title: M25 junction 10/A3 Wisley interchange

Drawing Title: TYPICAL GANTRY TYPE PLAN A3 MAINLINE REGULATION 5(2)(o) AND 6(2) SHEET 1 OF 3

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Rev: 0

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Original Size: A1

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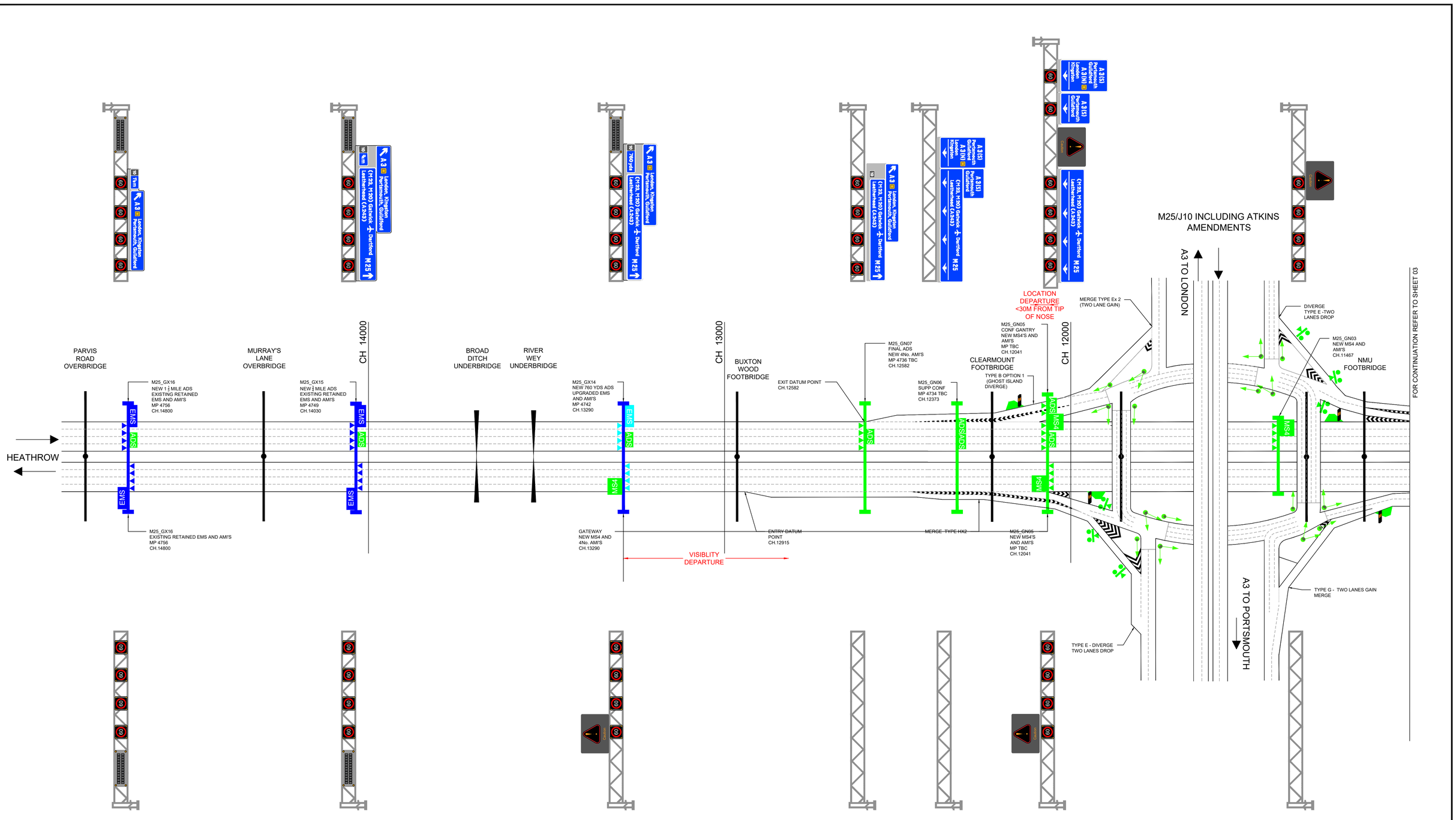

WEST

NOTES:

1. THE KEY IS ONLY RELEVANT TO THE PROPOSED SCHEMATIC.

KEY:

- OVERBRIDGE
- UNDERBRIDGE/UNDERPASS
- EMERGENCY ROADSIDE TELEPHONE
- EMERGENCY AREA OR NEW SHORT SECTION OF HARDSHOULDER
- GANTRY
- ENTRY SLIP SIGNALS
- EMS — ENHANCED MESSAGE SIGNALS
- MS3 — MS3
- MS4 — MS4
- ADS — ADS (GANTRY MOUNTED)
- AMI
- TRAFFIC SIGNAL. (POST MOUNTED)

COLOUR KEY

CYAN = EXISTING UPGRADED
BLUE = EXISTING RETAINED/ASSESSED
RED = EXISTING TO BE REMOVED
GREEN = PROPOSED/NEW

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).

Construction
NONE

Maintenance / Cleaning
NONE

Use
NONE

Decommissioning / Demolition
NONE

Description	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
DCO APPLICATION	A4	0	DD	NCP	AKW	VA	06/06/19

Drawing Suitability: DCO APPLICATION
Status: A4

Project Title: M25 junction 10/A3 Wisley interchange

Drawing Title: TYPICAL GANTRY TYPE PLAN M25 MAINLINE REGULATION 5(2)(o) AND 6(2) SHEET 2 OF 3

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Original Size: A1

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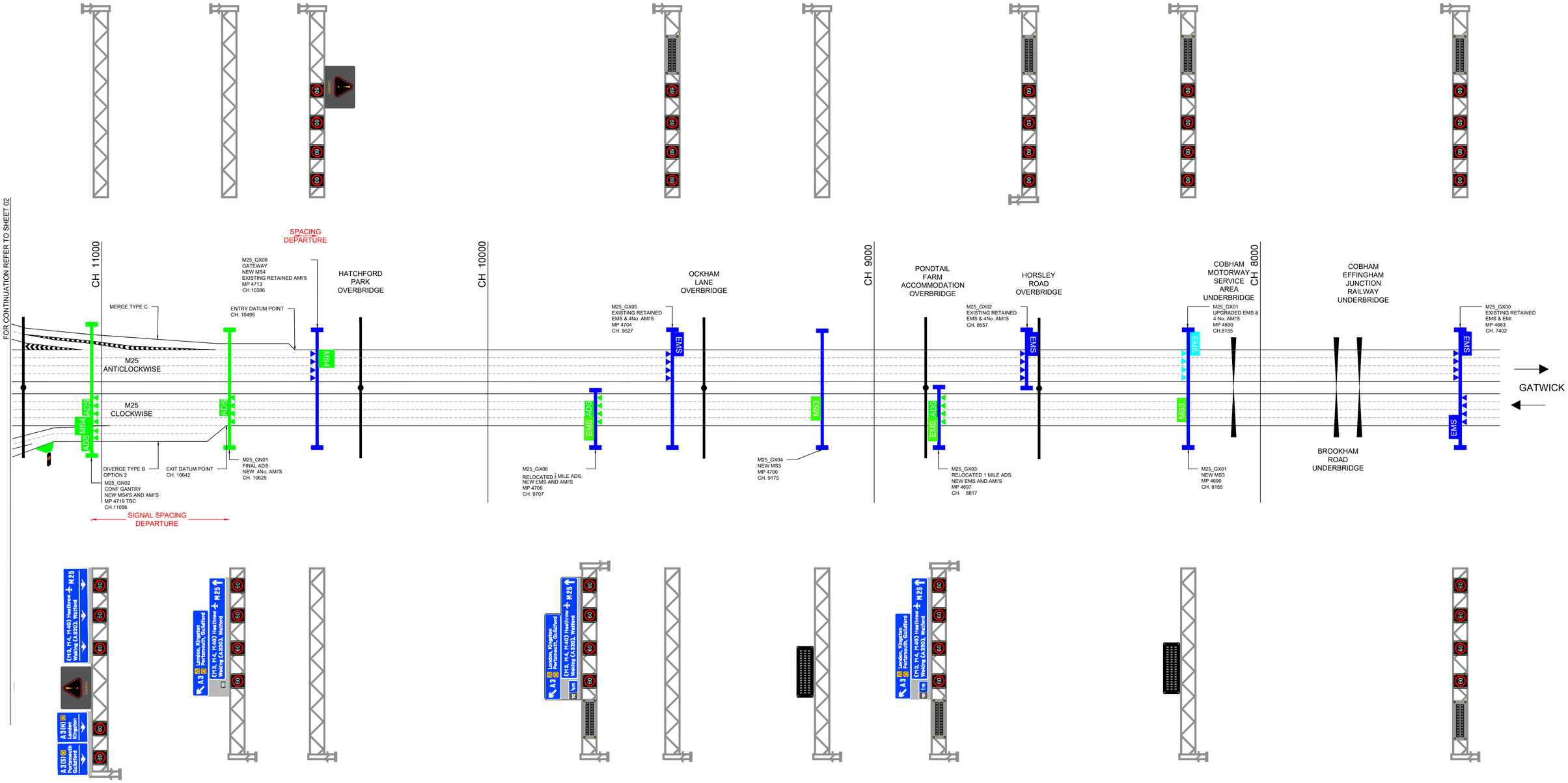

NOTES:

1. THE KEY IS ONLY RELEVANT TO THE PROPOSED SCHEMATIC.

KEY:

- OVERBRIDGE
- UNDERBRIDGE/UNDERPASS
- EMERGENCY ROADSIDE TELEPHONE
- EMERGENCY AREA OR NEW SHORT SECTION OF HARDSHOULDER
- GANTRY
- ENTRY SLIP SIGNALS
- EMS — ENHANCED MESSAGE SIGNALS
- MS3 — MS3
- MS4 — MS4
- ADS — ADS (GANTRY MOUNTED)
- AMI
- TRAFFIC SIGNAL. (POST MOUNTED)

COLOUR KEY

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RED = EXISTING TO BE REMOVED
GREEN = PROPOSED/NEW

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).

Construction
NONE

Maintenance / Cleaning
NONE

Use
NONE

Decommissioning / Demolition
NONE

Description	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
DCO APPLICATION	A4	0	DD	NCP	AKW	VA	06/06/19

Drawing Suitability: DCO APPLICATION
Status: A4

Project Title: M25 junction 10/A3 Wisley interchange

Drawing Title: TYPICAL GANTRY TYPE PLAN M25 MAINLINE REGULATION 5(2)(o) AND 6(2) SHEET 3 OF 3

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Rev: 0

HE P/N: HE551522
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Original Size: A1

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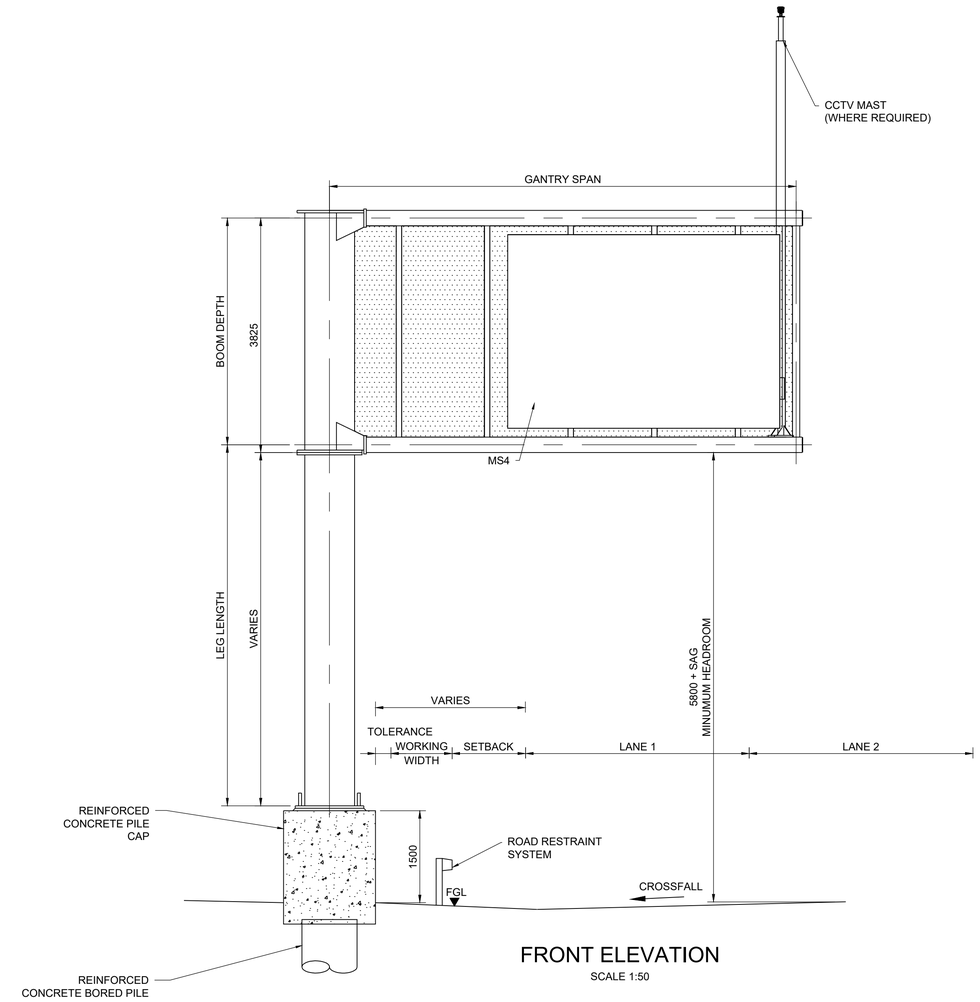

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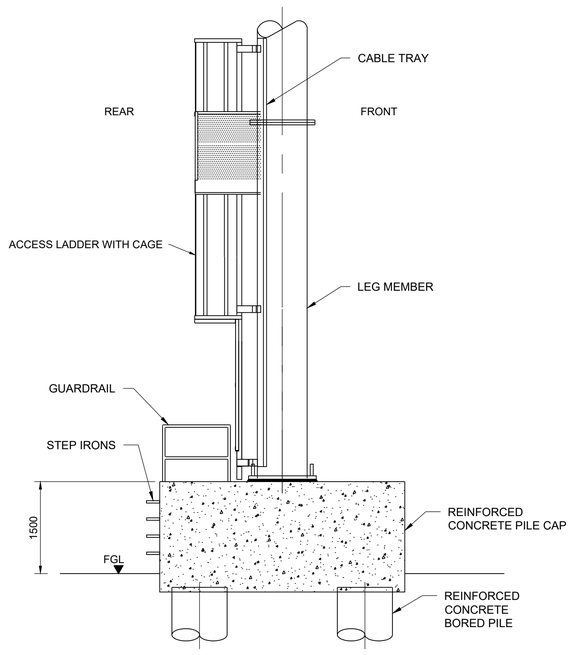
SCALE 1:50



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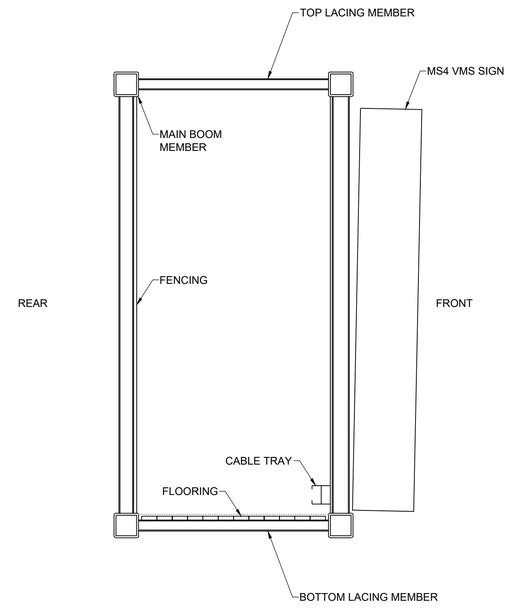
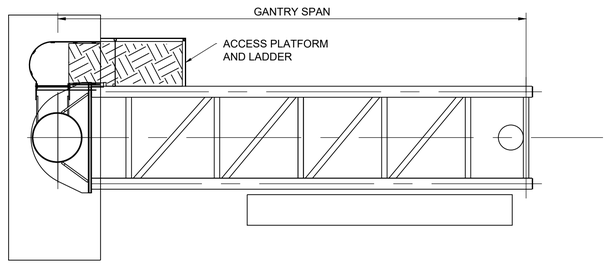
SCALE 1:50



TYPICAL SECTION THROUGH BOOM
SCALE 1:25



PLAN ON TOP BOOM
BOTTOM BOOM SIMILAR
SCALE 1:50

Scale 1:25
0.5m 0m 0.5m 1m

Scale 1:50
1m 0m 1m 2m 3m

NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
2. DRAWING REPRESENTS A TYPICAL INDICATIVE DETAIL FOR THIS GANTRY TYPE. THE INFORMATION ON THIS DRAWING SHOULD NOT BE CONSIDERED REPRESENTATIVE OF THE PROPOSALS AT A PARTICULAR GANTRY LOCATION.
3. PROVISION OF DIRECTION SIGNS, VARIABLE MESSAGE SIGNS AND ADVANCE MOTORWAY INDICATION WILL VARY ACCORDING TO GANTRY LOCATION.

Description	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
DCO APPLICATION	A4	0	AM	VM	RP	VA	07/06/19

Drawing Suitability: DCO APPLICATION
Status: A4

Project Title: M25 junction 10/A3 Wisley interchange

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Drawing Title: GANTRY DETAILS
MS4 CANTILEVER GANTRY
REGULATION 5(2)(o) AND 6(2)
SHEET 1 OF 4

Client: Working on behalf of highways england

Drawing Number: TR010030/APP/2.9
Rev: 0

HE PIN: HE551522
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Original Size: A1

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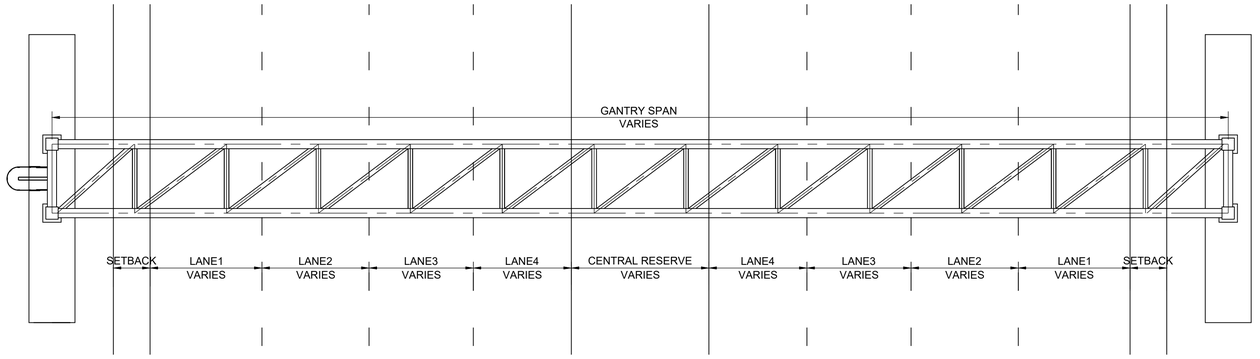
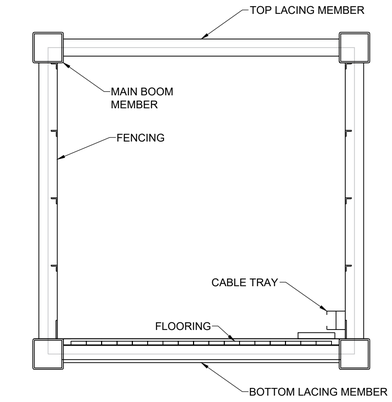
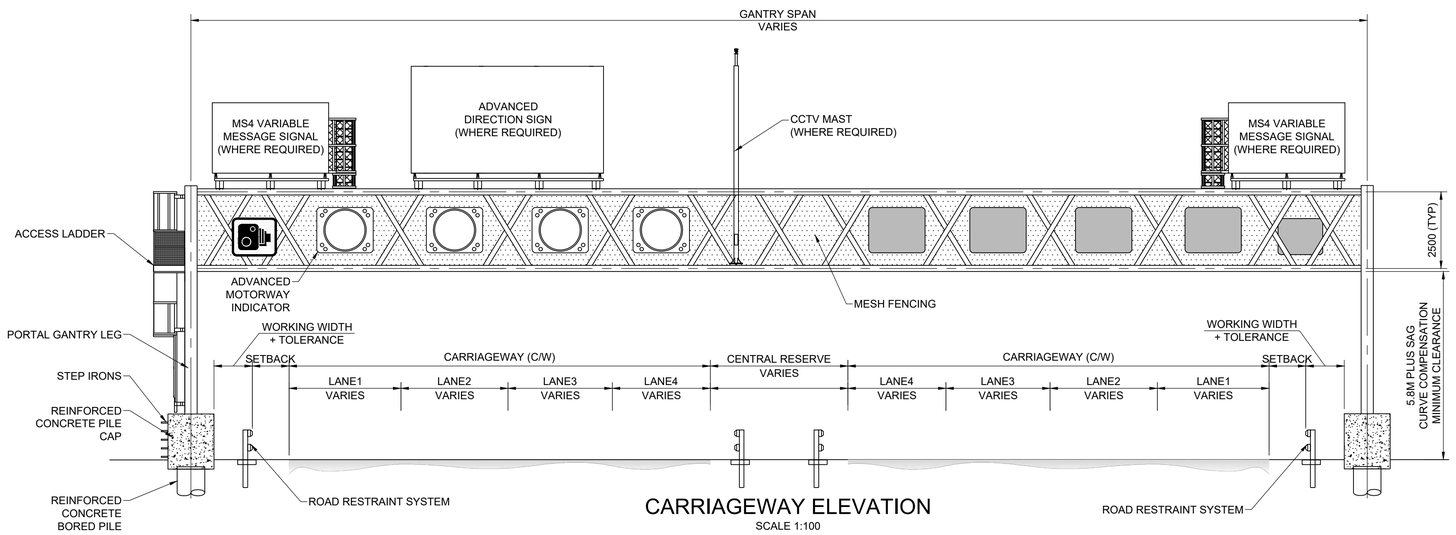


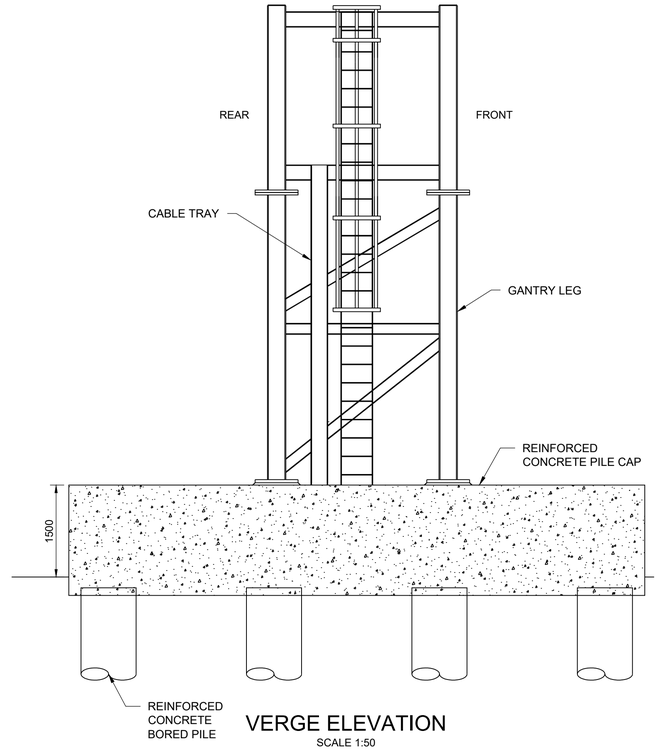
TOP BOOM PLAN
SCALE 1:100



TYPICAL SECTION THROUGH BOOM
SCALE 1:25



CARRIAGEWAY ELEVATION
SCALE 1:100



VERGE ELEVATION
SCALE 1:50

Scale 1:25
0.5m 0m 0.5m 1m

Scale 1:50
1m 0m 1m 2m 3m

Scale 1:100
4m 3m 2m 1m 0m 2m 4m

NOTES:

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Description	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
DCO APPLICATION	A4	0	AM	VM	RP	VA	07/06/19

Drawing Suitability: DCO APPLICATION
Status: A4

Project Title: M25 junction 10/A3 Wisley interchange

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Drawing Title:
GANTRY DETAILS
SUPER SPAN PORTAL GANTRY
REGULATION 5(2)(o) AND 6(2)
SHEET 2 OF 4

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Drawing Number: TR010030/APP/2.9
Rev: 0

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Original Size: A1

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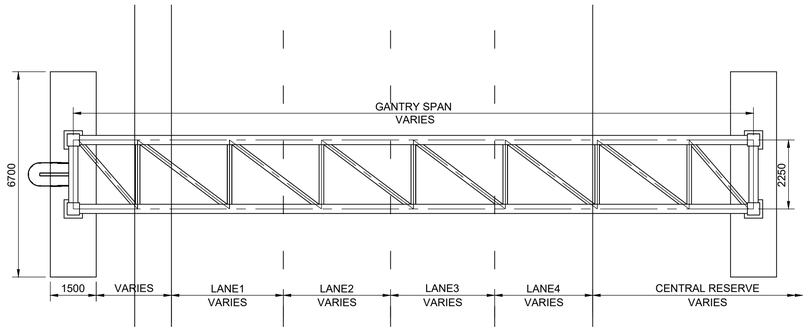
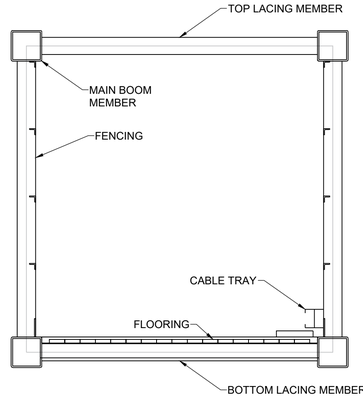


PLAN ON BOOM
SCALE 1:100



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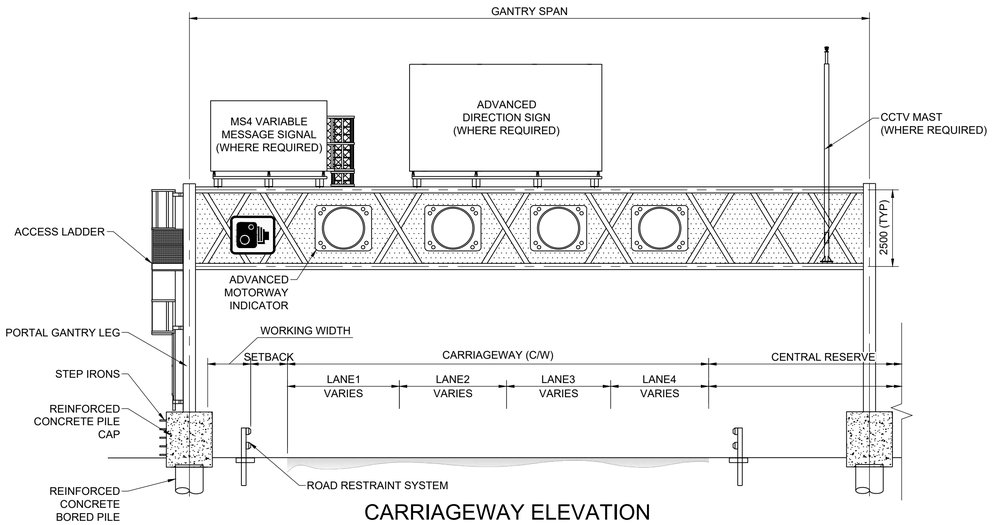

CARRIAGEWAY ELEVATION
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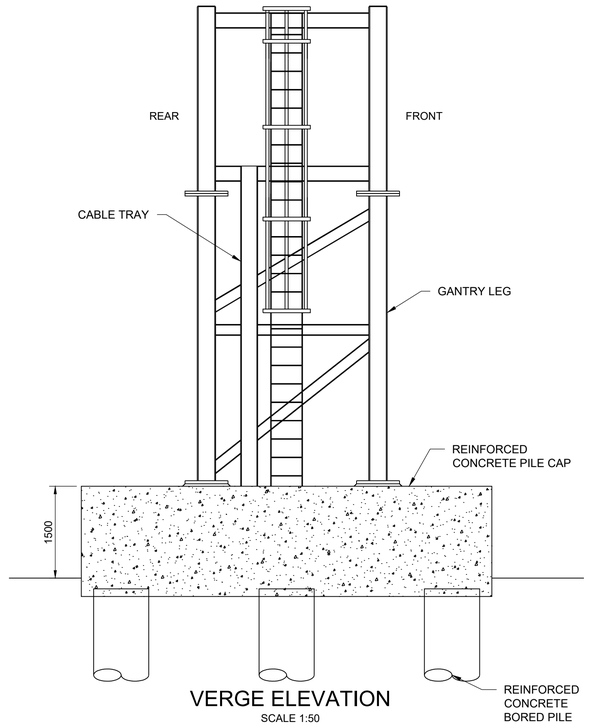

VERGE ELEVATION
SCALE 1:50

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Scale 1:50
1m 0m 1m 2m 3m

Scale 1:100
4m 3m 2m 1m 0m 2m 4m

NOTES:

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Description	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
DCO APPLICATION	A4	0	AM	VM	RP	VA	07/06/19

Drawing Suitability: DCO APPLICATION
Status: A4

Project Title: M25 junction 10/A3 Wisley interchange

Drawing Title: GANTRY DETAILS
SINGLE CARRIAGEWAY PORTAL GANTRY
REGULATION 5(2)(o) AND 6(2)
SHEET 3 OF 4

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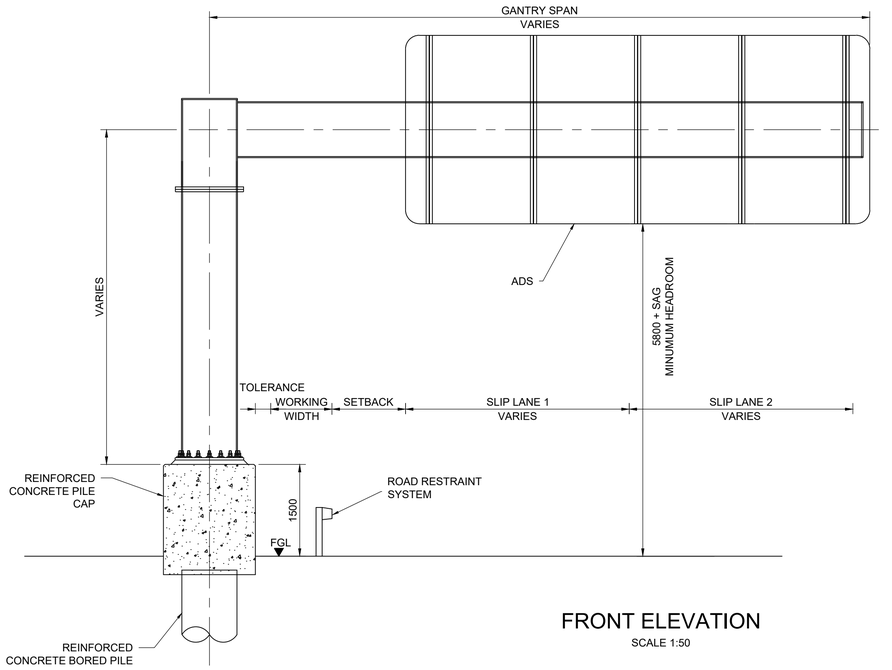

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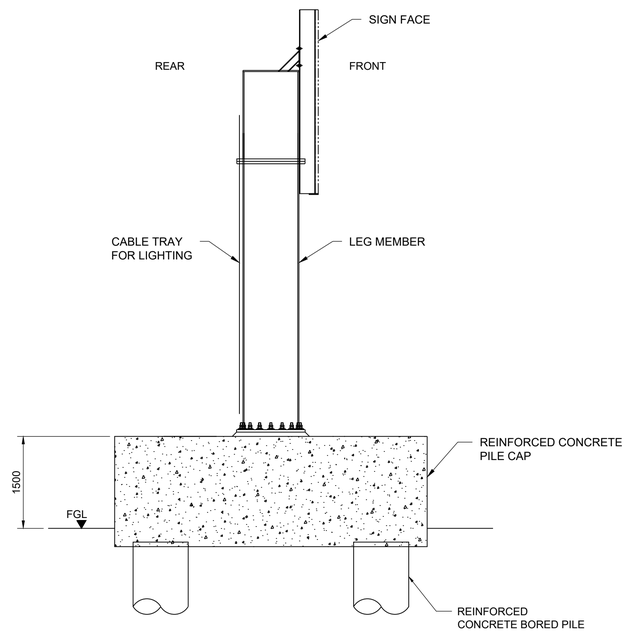

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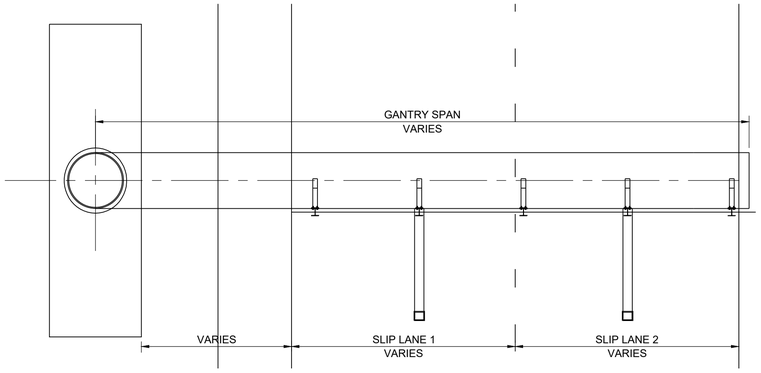
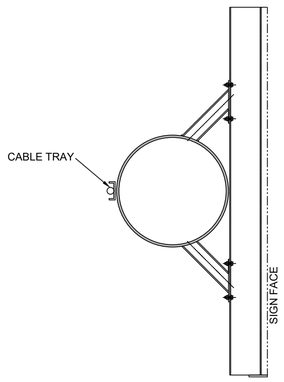


PLAN OF GANTRY
SCALE 1:50



TYPICAL SECTION THROUGH BOOM
SCALE 1:25

Scale 1:25
0.5m 0m 0.5m 1m

Scale 1:50
1m 0m 1m 2m 3m

NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
2. DRAWING REPRESENTS A TYPICAL INDICATIVE DETAIL FOR THIS GANTRY TYPE. THE INFORMATION ON THIS DRAWING SHOULD NOT BE CONSIDERED REPRESENTATIVE OF THE PROPOSALS AT A PARTICULAR GANTRY LOCATION.
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Description	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
DCO APPLICATION	A4	0	AM	VM	RP	VA	07/06/19

Drawing Suitability: DCO APPLICATION
Status: A4

Project Title: M25 junction 10/A3 Wisley interchange

Drawing Title: GANTRY DETAILS
ADS CANTILEVER GANTRY
REGULATION 5(2)(o) AND 6(2)
SHEET 4 OF 4

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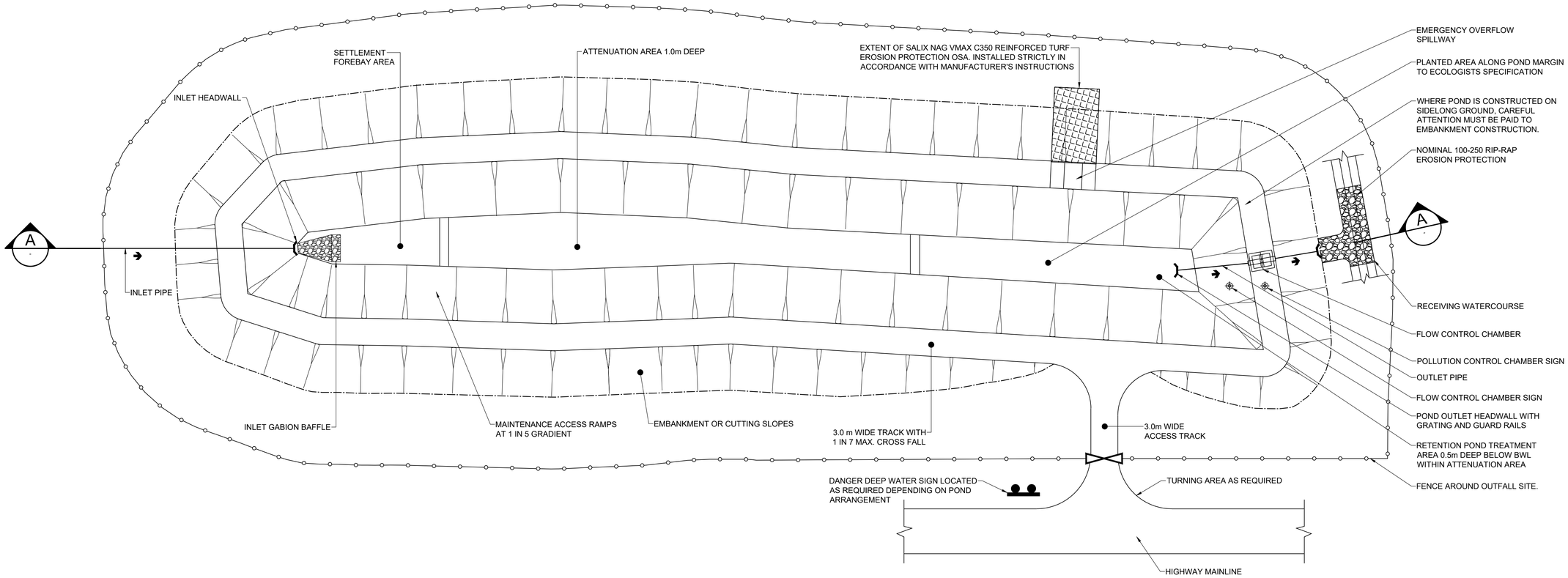
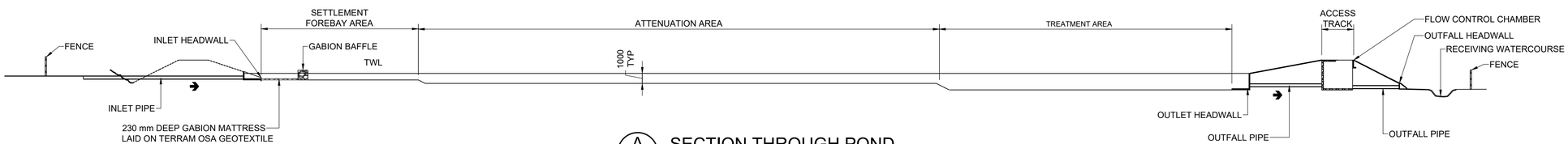
DO NOT SCALE

Millimetres 0 10 100



TYPICAL POND ARRANGEMENT



A SECTION THROUGH POND

Scale 1:250
5m 0m 5m 10m 15m

NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED.

KEY:

BWL	BOTTOM WATER LEVEL
TWL	TOP WATER LEVEL
-o-o-o-	FENCE

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).

Construction
DEEP POND

Maintenance / Cleaning
DEEP POND

Use
NONE

Decommissioning / Demolition
NONE

Description	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
DCO APPLICATION	A4	0	PJH	US	EB	VA	06/06/19

Drawing Suitability: DCO APPLICATION
Status: A4

Project Title: M25 junction 10/A3 Wisley interchange

Drawing Title: TYPICAL POND DETAIL REGULATION 5(2)(o) AND 6(2)

SHEET 1 OF 1

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Drawing Number: TR010030/APP/2.09
Rev: 0

HE PIN: HE551522
Scale: 1:250
Original Size: A1

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Millimetres 100 10 0

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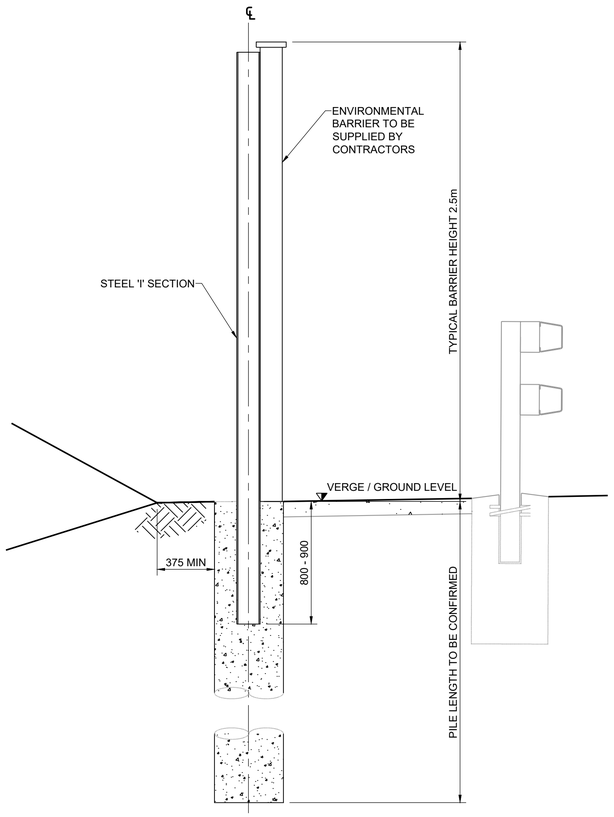
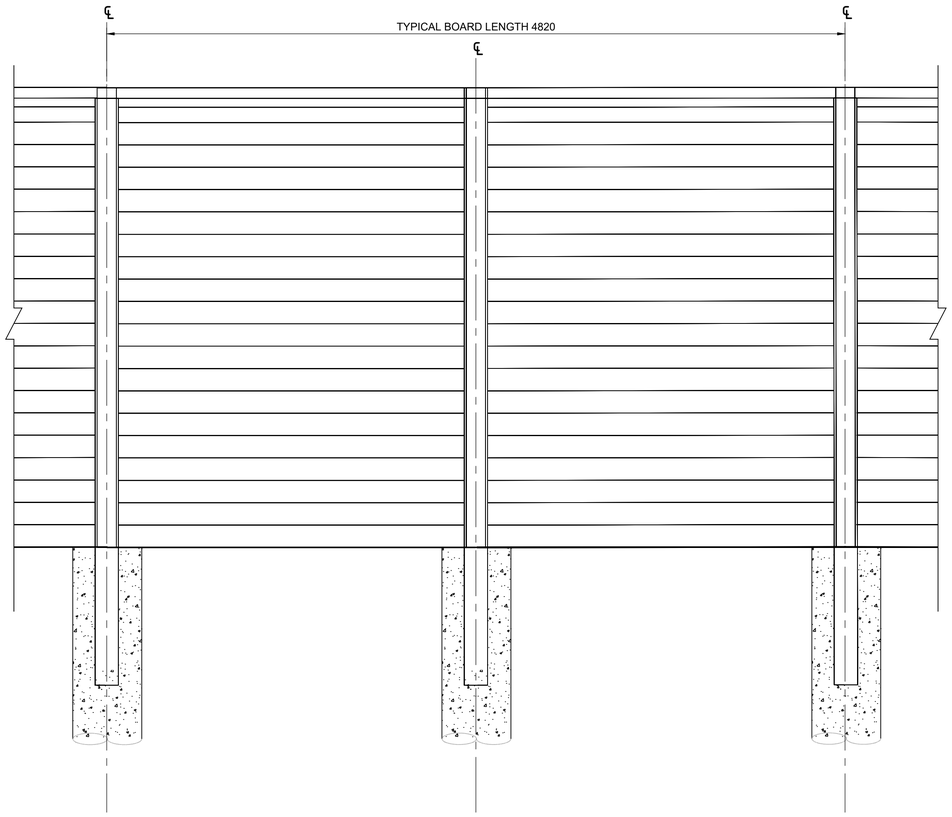


SECTION ON ENVIRONMENTAL BARRIER
PILE FOUNDATION

PLAN



ELEVATION

Scale 1:20
0.5m 0m 0.5m 1m

NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
2. ALL LEVELS AND CHAINAGES ARE IN METRES UNLESS NOTED OTHERWISE.
3. CONCRETE CLASSES SHALL COMPLY WITH BS 8500:2006, AND THE REQUIREMENTS OF MCHW, VOLUME 1 SPECIFICATION FOR HIGHWAY WORKS - SERIES 1700.
4. BLINDING AND MASS CONCRETE SHALL BE ST1.
5. STEEL POSTS TO BE STEEL GRADE S355, HOT DIP GALVANISED TO BS1461:1999
6. CLASS OF CONCRETE FINISH:
   EXPOSED UNFORMED SURFACES TO RECEIVE U3 FINISH
   REFER TO APPENDIX 17/1 FOR FURTHER DETAILS.
7. ALL STEEL REINFORCEMENT WILL BE GRADE B500B OR B500C AND SHALL COMPLY WITH BS4449:2005.
8. CONCRETE PILE TO BE STRENGTH C32/40.
9. DESIGN OF ENVIRONMENTAL BARRIER SHALL COMPLY WITH SPECIFICATION FOR HIGHWAY WORKS SERIES 2504.
10. ALL BURIED SURFACES OF CONCRETE SHALL BE PAINTED WITH TWO COATS OF BITUMEN PAINT IN ACCORDANCE WITH CLAUSE 2004 OF THE SPECIFICATION FOR HIGHWAY WORKS, TO A LEVEL OF 150mm BELOW GROUND LEVEL.

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).

Construction
NONE

Maintenance / Cleaning
NONE

Use
NONE

Decommissioning / Demolition
NONE

Description	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
DCO APPLICATION	A4	0	PJH	VM	NDW	VA	06/06/19

Drawing Suitability: DCO APPLICATION
Status: A4

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Client: Working on behalf of highways england

Project Title: M25 junction 10/A3 Wisley interchange

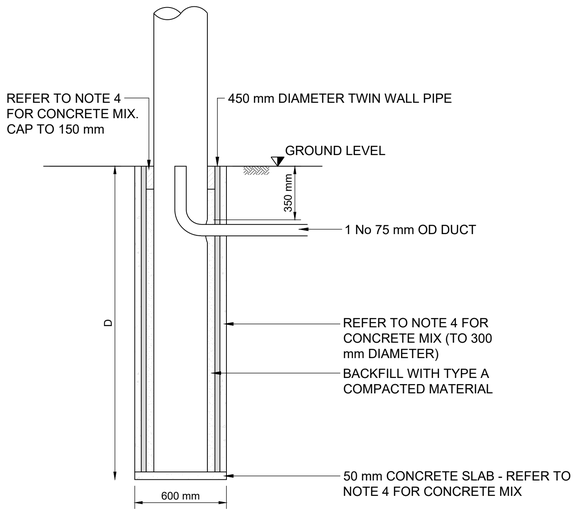
Drawing Title: TYPICAL DETAIL
ENVIRONMENTAL BARRIER
REGULATION 5(2)(o) AND 6(2)
SHEET 1 OF 1

Drawing Number: TR010030/APP/2.9
Rev: 0

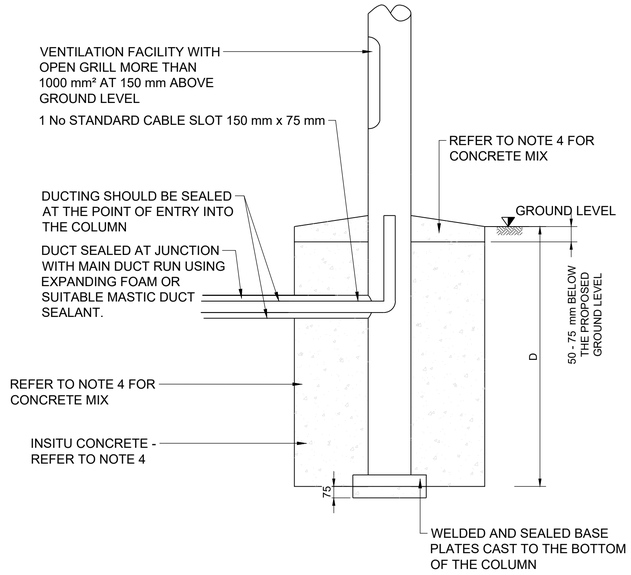
HE PIN: HE551522
Scale: 1:20
Original Size: A1

Millimetres 100 10 0

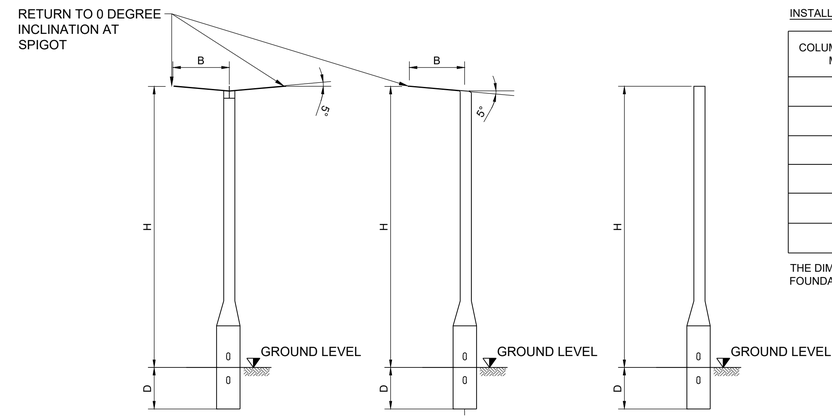
DO NOT SCALE



LIGHTING COLUMN
SOCKET FOUNDATION DETAIL



GAS PROTECTION MEASURES FOR
LIGHTING COLUMN



PROFILE ELEVATIONS

INSTALLATION DIMENSIONS

COLUMN HEIGHT 'H' METRES	DEPTH 'D' METRES	SPAN 'B' METRES
5 / 6	1.0	VARIES
8	1.2	VARIES
10	1.5	VARIES
12	1.7	VARIES
14	2.0	VARIES
15	2.0	VARIES

THE DIMENSIONS IN THE ABOVE TABLE APPLY TO THE FOUNDATION TYPES

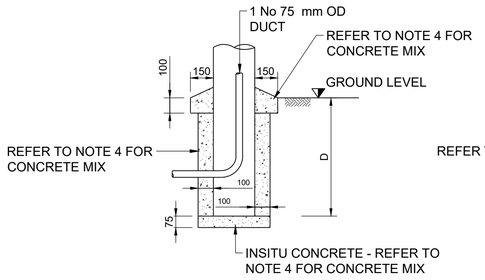
ELEVATION ON
DOUBLE BRACKET
SCALE NTS

ELEVATION ON
SINGLE BRACKET
SCALE NTS

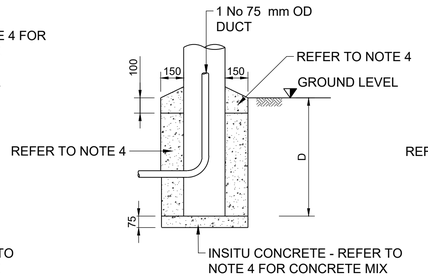
ELEVATION ON POST
TOP FITTING
SCALE NTS

COLUMN ROOT INSTALLED IN EITHER A VERGE OR A CONCRETE FOOTPATH

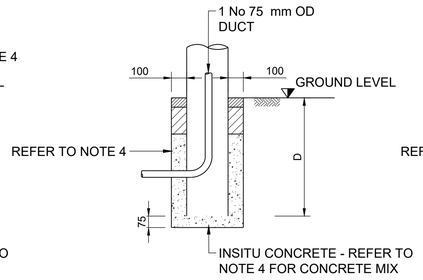
COLUMN ROOT INSTALLED IN FLEXIBLE PAVEMENT MATERIALS



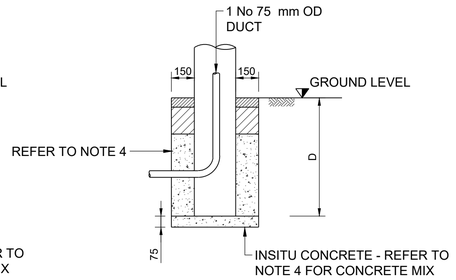
FOUNDATION TYPE 1



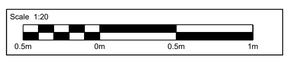
FOUNDATION TYPE 2



FOUNDATION TYPE 3



FOUNDATION TYPE 4



NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED.
2. TO BE READ IN CONJUNCTION WITH DETAILED LIGHTING DESIGN DRAWINGS, 1300, 1400 AND 5/2 SPECIFICATION APPENDICES.
3. DRAWING APPLICABLE TO HIGHWAYS ENGLAND LIGHTING ASSETS ONLY.
4. CONCRETE MIX TO BE CONFIRMED IN DETAILED DESIGN STAGE.
5. DRAWINGS FOR REFERENCE ONLY. CONTRACTOR TO SUBMIT PROPOSALS FOR APPROVAL.

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).

Construction
NONE

Maintenance / Cleaning
NONE

Use
NONE

Decommissioning / Demolition
NONE

Description	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
DCO APPLICATION	A4	0	PJH	JAB	BW	VA	07/06/19

Drawing Suitability: DCO APPLICATION
Status: A4

Project Title: M25 junction 10/A3 Wisley interchange

Drawing Title: TYPICAL DETAIL ROAD LIGHTING COLUMN AND FOUNDATION REGULATION 5(2)(o) AND 6(2) SHEET 1 OF 1

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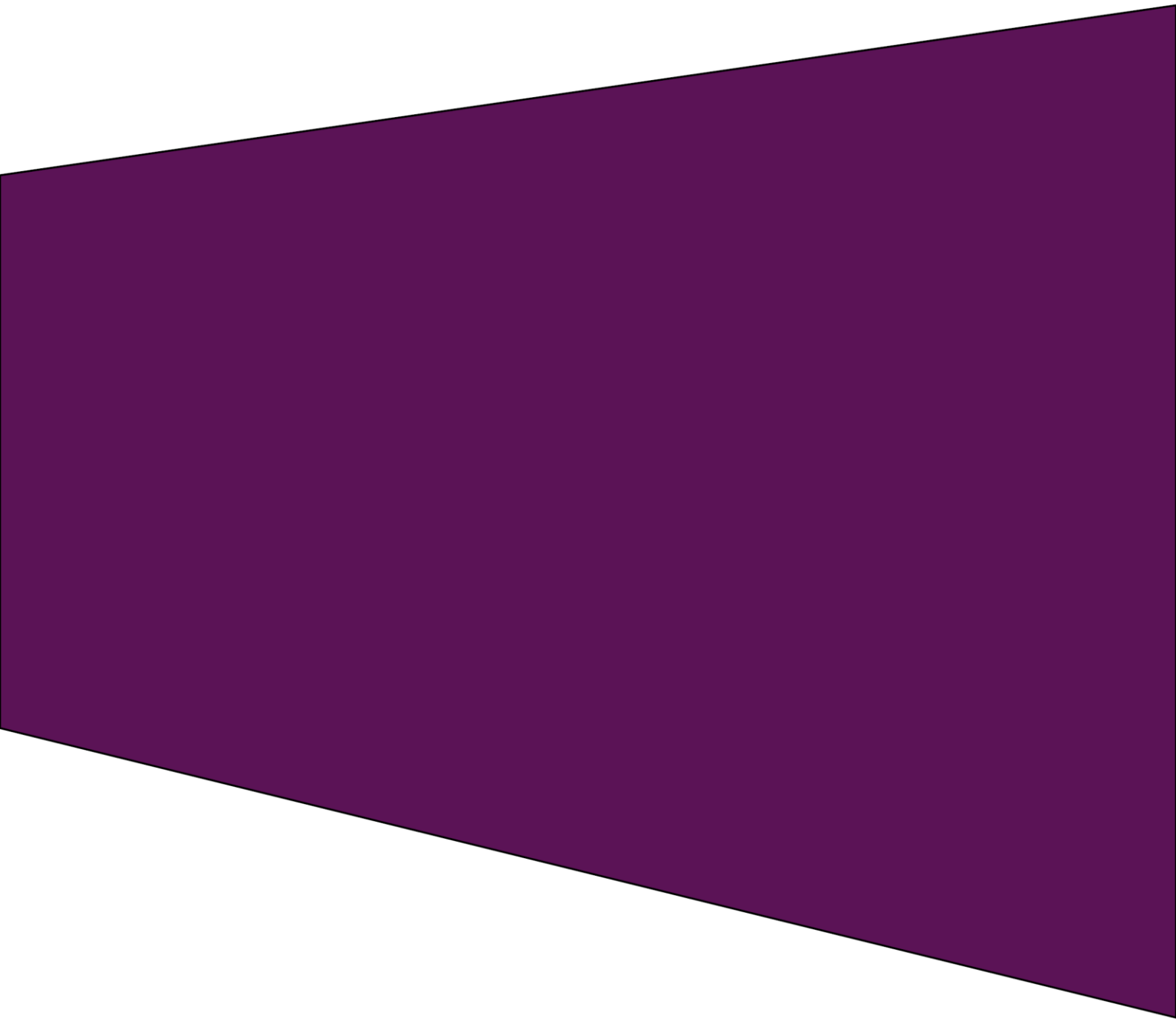

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