

## A47 Wansford to Sutton Dualling

Scheme Number: TR010039

# Volume 2 2.5 Engineering Drawings and Sections

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

Planning Act 2008

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

February 2022

Deadline 2



#### Infrastructure Planning

#### Planning Act 2008

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

## A47 Wansford to Sutton Dualling Development Consent Order 202[x]

#### 2.5 ENGINEERING DRAWINGS AND SECTIONS

Regulation Number:	Regulation 5(2)(o), 5(2)(p) and 6(2)
Planning Inspectorate Scheme	TR010039
Reference	
Application Document Reference	TR010039/APP/2.5
BIM Document Reference	HE551494-GTY-LSI-000-RP-TX-30016
Author:	A47 Wansford to Sutton Dualling Project Team, Highways England

Version	Date	Status of Version
Rev 0	June 2021	Application Issue
Rev 1	February 2022	Deadline 2

Planning Inspectorate Scheme Ref: TR010039 Application Document Ref: TR010039/APP/2.5



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#### 1 INTRODUCTION

#### 1.1 Purpose of this Document

- 1.1.1 These Engineering Drawings and Sections (these "Plans") relate to an application made by Highways England (the "Applicant") to the Secretary of State for Transport, via the Planning Inspectorate (the "Inspectorate"), under the Planning Act 2008 (the "2008 Act") for a Development Consent Order (DCO). If made, the DCO would grant consent for the Wansford to Sutton Scheme (the "Scheme").
- 1.1.2 The Scheme comprises the alteration of an existing highway by way of an upgrade to an existing 2.6km of single carriageway between Wansford and Sutton. It will create a new dual carriageway, to improve traffic flow and reduce congestion on the route. A detailed description of the Scheme can be found in Chapter 2: The Proposed Scheme of the Environmental Statement (ES) (TR010039/APP/6.1). These Plans cover the Scheme in its entirety.
- 1.1.3 These Plans comprise part of a suite of application documentation and are included in the application in compliance with Regulations 5(2)(o), 5(2)(p) and 6(2) of the Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009 (the "2009 Regulations") which require).
  - 5(2)(o) "any other plans, drawings and sections necessary to describe the proposals for which development consent is sought, showing details of design, external appearance and the preferred layout of buildings or structures, drainage, surface water management, means of vehicular and pedestrian access, any car parking to be provided and means of landscaping".
  - 5(2)(p) "any of the documents prescribed by Regulation 6 which are relevant to the particular project".
  - 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. around 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;
    - 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 water or an inland waterway; and
    - vi. drainage outfall details for highways;
- 1.1.4 As these Plans are part of the application documentation, they should be read alongside and are informed by the other application documents. In particular, these Plans should be read alongside Schedule 1 of the draft DCO (TR010039/APP/3.1) and the Works Plans (TR010039/APP/2.3).



## 2 SCHEDULE OF PLANS INCLUDED IN THIS APPLICATION DOCUMENT

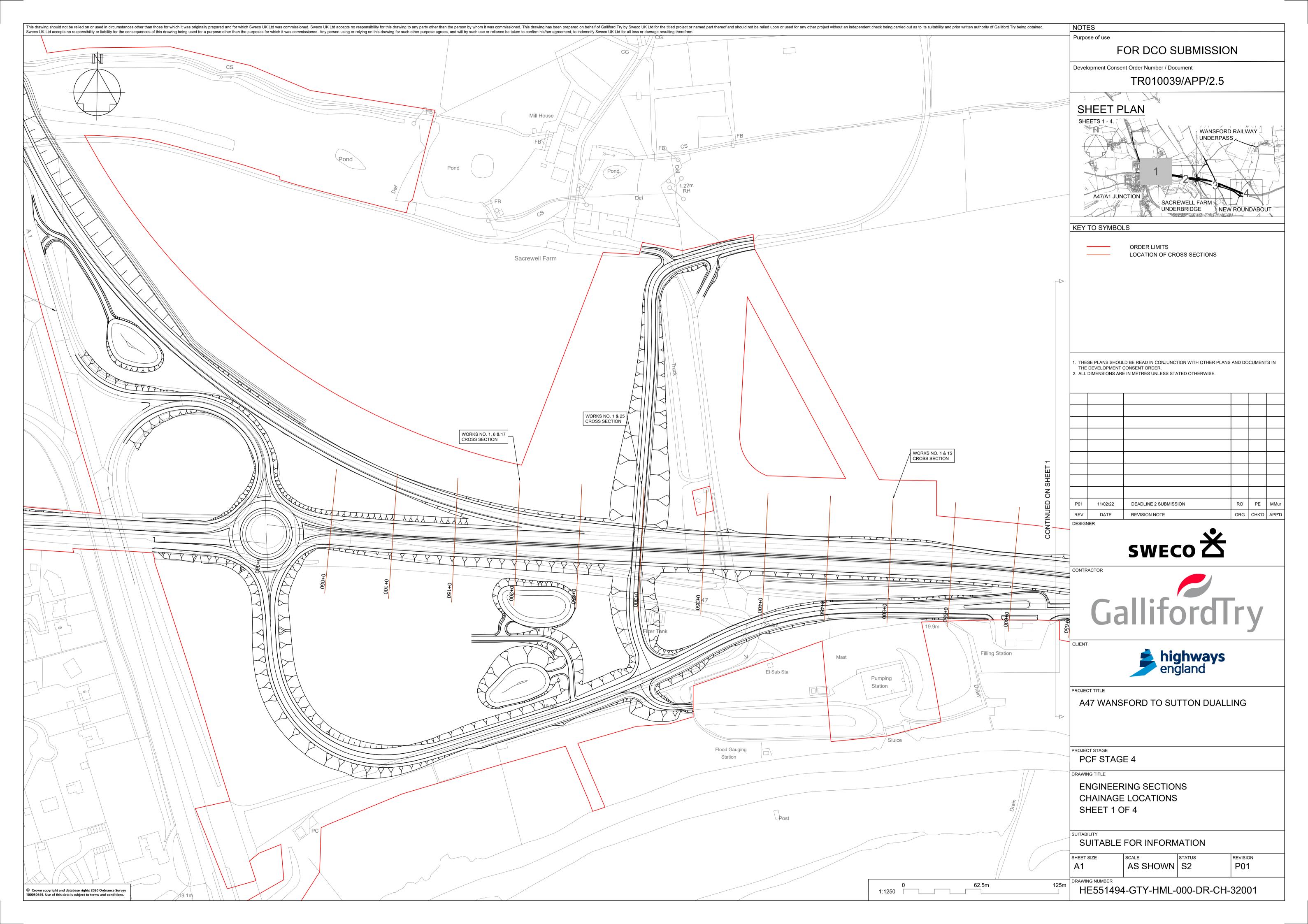
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Engineering Sections Chainage Locations Sheet 1 of 4	TR10039/APP/2. 5/1of4 Rev 1	HE551494-GTY- HML-000-DR-CH- 32001	P01
Engineering Sections Chainage Locations Sheet 2 of 4	TR10039/APP/2. 5/2of4 Rev 1	HE551494-GTY- HML-000-DR-CH- 32002	P01
Engineering Sections Chainage Locations Sheet 3 of 4	TR10039/APP/2. 5/3of4 Rev 1	HE551494-GTY- HML-000-DR-CH- 32003	P01
Engineering Sections Chainage Locations Sheet 4 of 4	TR10039/APP/2. 5/4of4 Rev 1	HE551494-GTY- HML-000-DR-CH- 32004	P01
Engineering Drawings and Sections (A47 Long Sections) – Regulation 5(2)(o), 5(2)(p) and 6(2) Sheet 1 of 6	TR010039/APP/ 2.5/1of5 Rev 1	HE551494-GTY- HML-000-DR-CH- 31001	P01
Engineering Drawings and Sections (A47 Long Sections) – Regulation 5(2)(o), 5(2)(p) and 6(2) Sheet 2 of 6	TR010039/APP/ 2.5/2of6 Rev 1	HE551494-GTY- HML-000-DR-CH- 31002	P01
Engineering Drawings and Sections (A47 Long Sections) – Regulation 5(2)(o), 5(2)(p) and 6(2) Sheet 3 of 6	TR010039/APP/ 2.5/3of6 Rev 1	HE551494-GTY- HML-000-DR-CH- 31003	P01
Engineering Drawings and Sections (A47 Long Sections) – Regulation 5(2)(o), 5(2)(p) and 6(2) Sheet 4 of 6	TR010039/APP/ 2.5/4of6 Rev 1	HE551494-GTY- HML-000-DR-CH- 31004	P01
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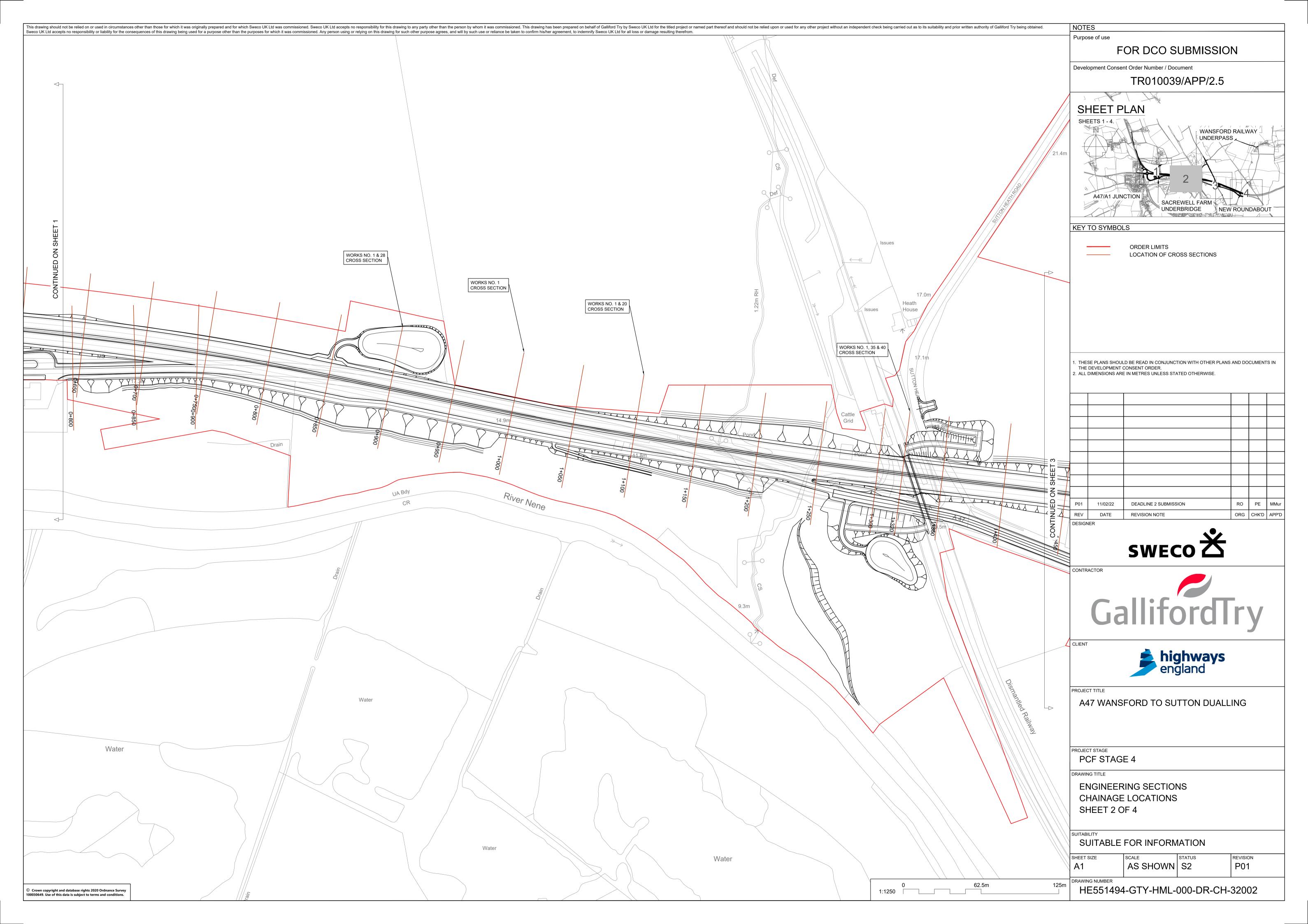


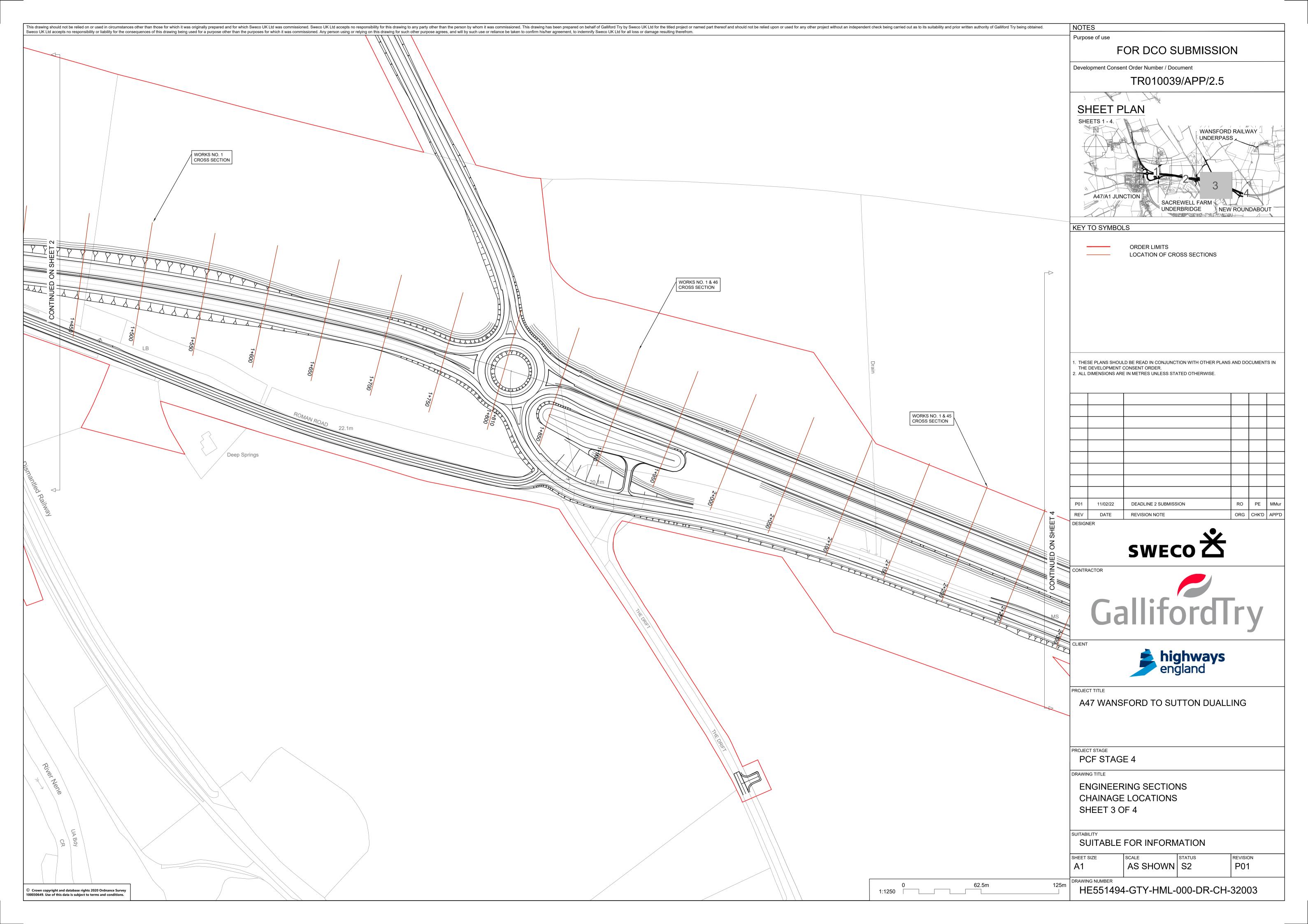
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Engineering Sections Chainage Locations Works. No 42	TR10039/APP/2. 5/Rev 1	HE551494-GTY- HSR-000-DR-CH- 32004	P01		
Engineering Sections Chainage Locations Works No. 45	TR10039/APP/2. 5/Rev 1	HE551494-GTY- HSR-000-DR-CH- 32005	P01		
Engineering Drawings and Sections (A47Side Road Long Sections) – (New Link connecting A47 New Sutton Roundabout and Sutton Heath Road/Langley Bush Road)	TR010039/APP/ 2.5 Rev 1	HE551494-GTY- HSR-000-DR-CH- 31001	P01		
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Engineering Drawings and Sections (A47 Side Road Long Sections) – (New Interchange link from A1 SB to A47 EB)	TR010039/APP/ 2.5 Rev 1	HE551494-GTY- HSR-000-DR-CH- 31003	P01		
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Engineering Drawings & Sections (A47 Side Road Cross Sections) Sacrewell Farm Sheet 1 of 3	TR10039/APP/2. 5/1of3 Rev 1	HE551494-GTY- HSR-000-DR-CH- 31008	P01		
Engineering Drawings & Sections (A47 Side Road Cross Sections) Sacrewell Farm Sheet 2 of 3	TR10039/APP/2. 5/2of3 Rev 1	HE551494-GTY- HSR-000-DR-CH- 31009	P01		
Engineering Drawings & Sections (A47 Side Road Cross Sections) Sacrewell Farm Sheet 3 of 3	TR10039/APP/2. 5/3of3 Rev 1	HE551494-GTY- HSR-000-DR-CH- 31010	P01		
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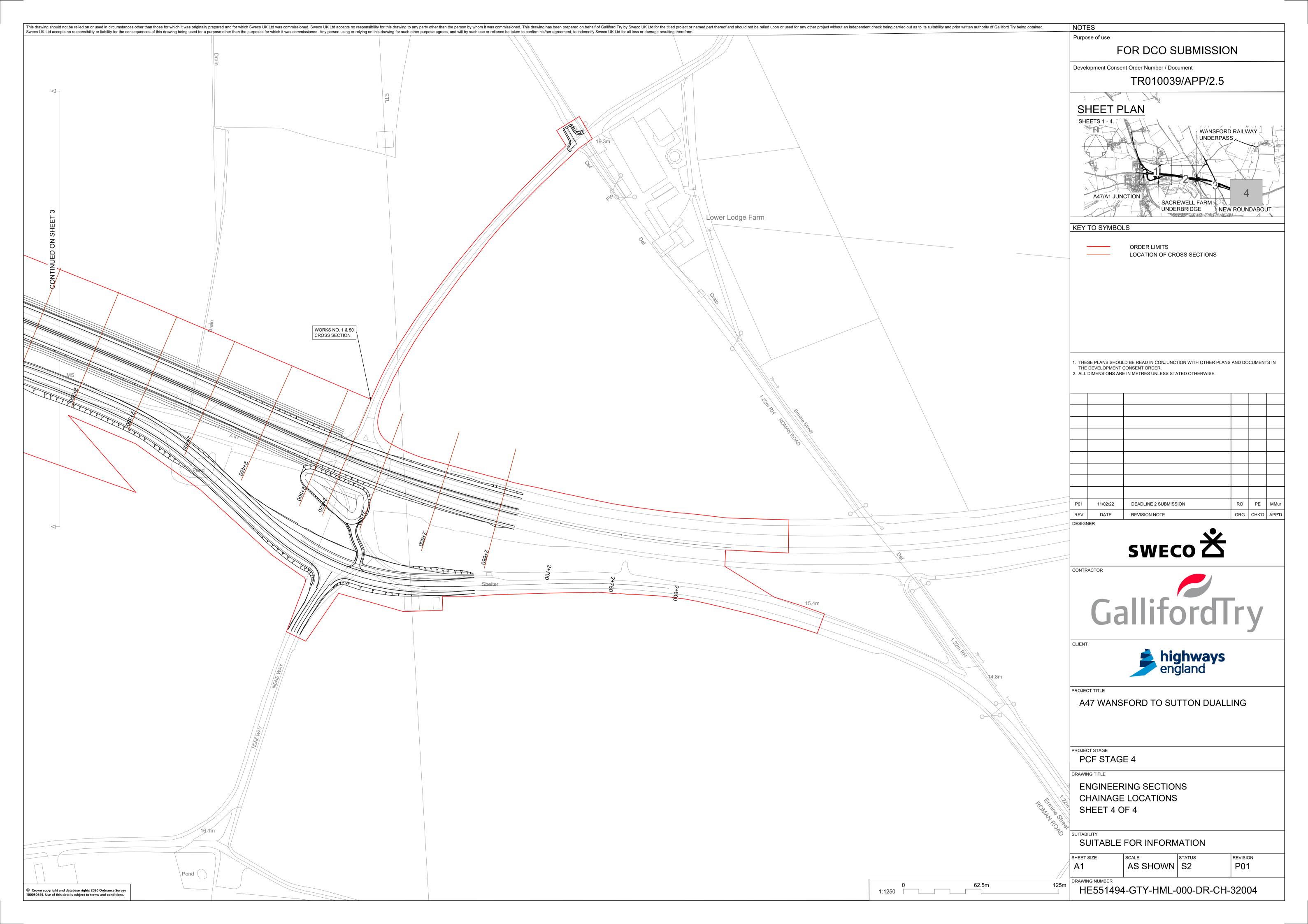
## A47 Wansford to Sutton Dualling Engineering Drawings and Sections

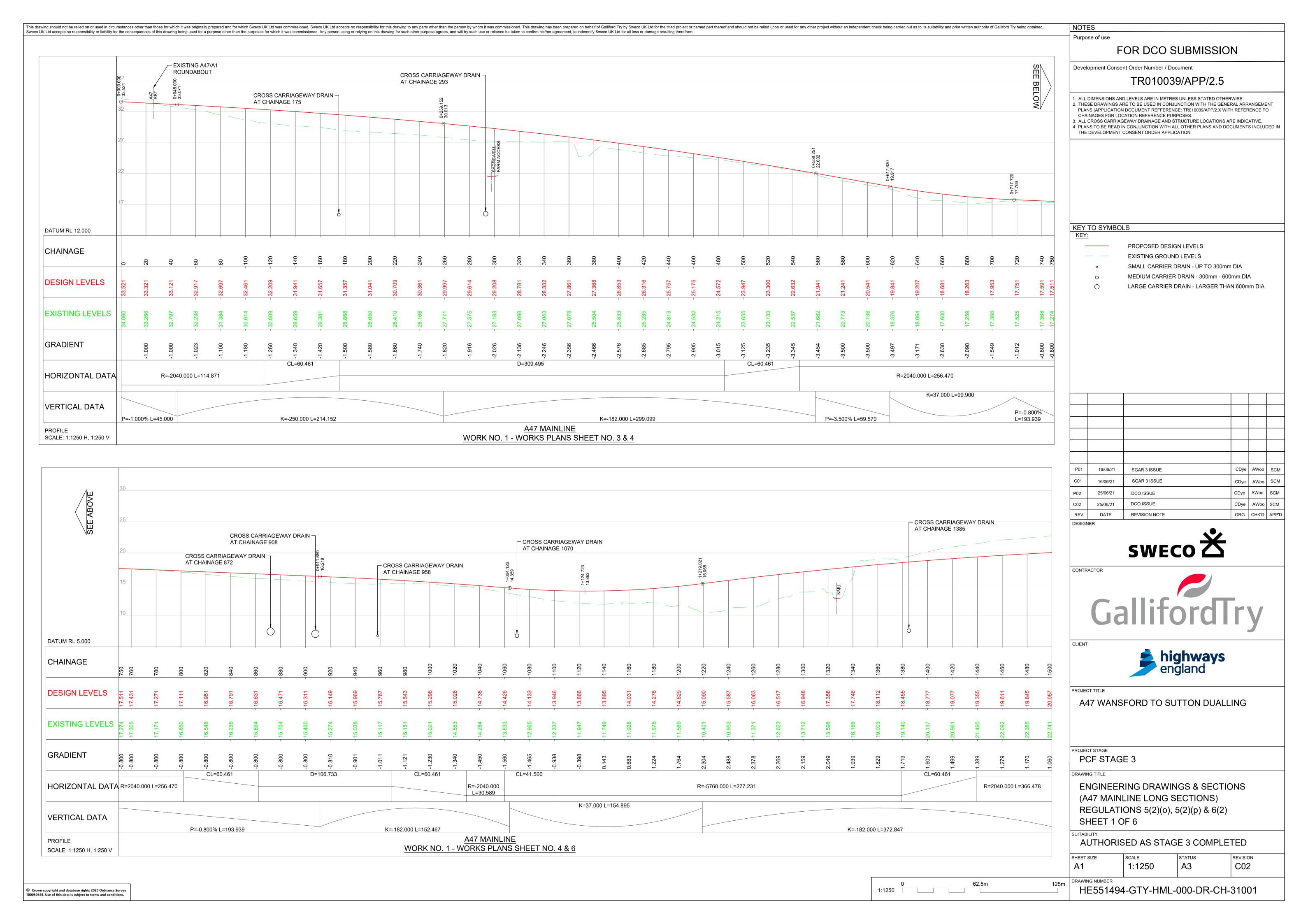
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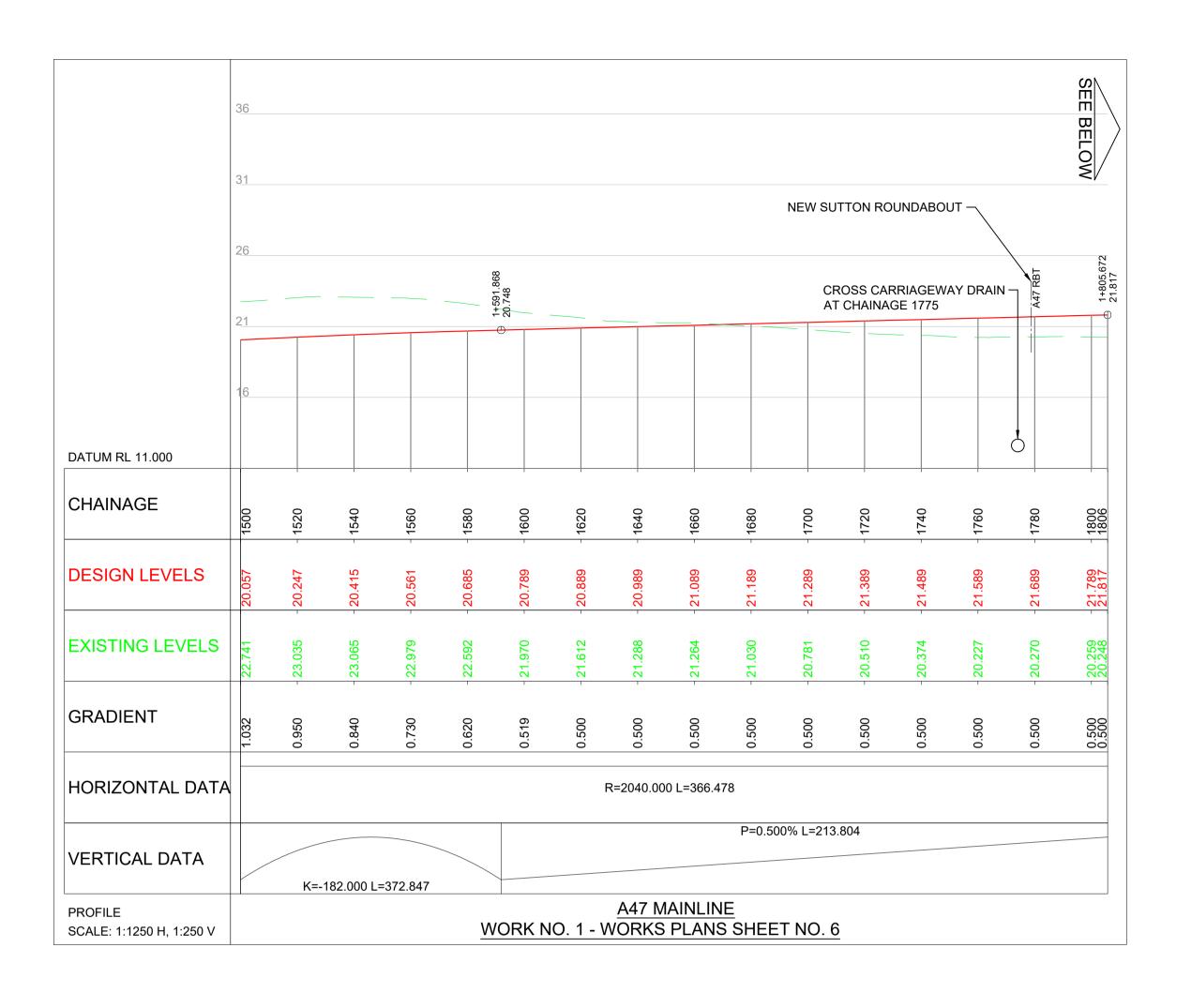


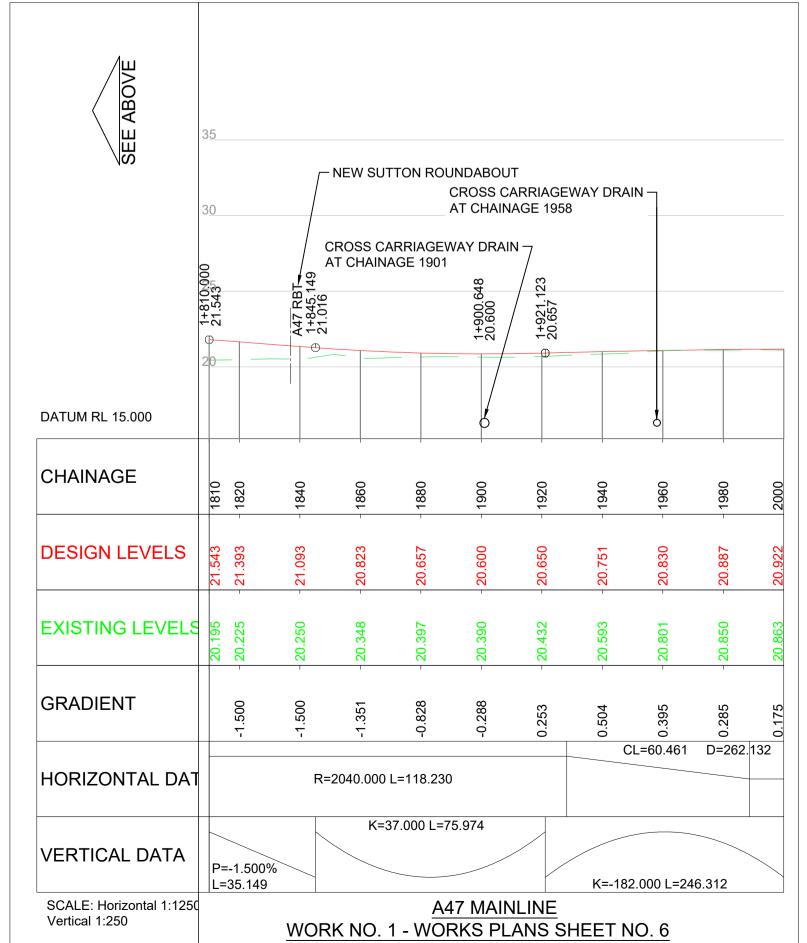












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- 3. ALL CROSS CARRIAGEWAY DRAINAGE AND STRUCTURE LOCATIONS ARE INDICATIVE. 4. PLANS TO BE READ IN CONJUNCTION WITH ALL OTHER PLANS AND DOCUMENTS INCLUDED IN THE DEVELOPMENT CONSENT ORDER APPLICATION.

#### **KEY TO SYMBOLS**

PROPOSED DESIGN LEVELS EXISTING GROUND LEVELS

SMALL CARRIER DRAIN - UP TO 300mm DIA

MEDIUM CARRIER DRAIN - 300mm - 600mm DIA

LARGE CARRIER DRAIN - LARGER THAN 600mm DIA

P01	16/06/21	SGAR 3 ISSUE	CDye	AWoo	SCM
C01	16/06/21	SGAR 3 ISSUE	CDye	AWoo	SCM
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C02	25/06/21	DCO ISSUE	CDye	AWoo	SCM
REV	DATE	REVISION NOTE	ORG	CHK'D	APP'D

DESIGNER



CONTRACTOR





A47 WANSFORD TO SUTTON DUALLING

PROJECT STAGE PCF STAGE 3

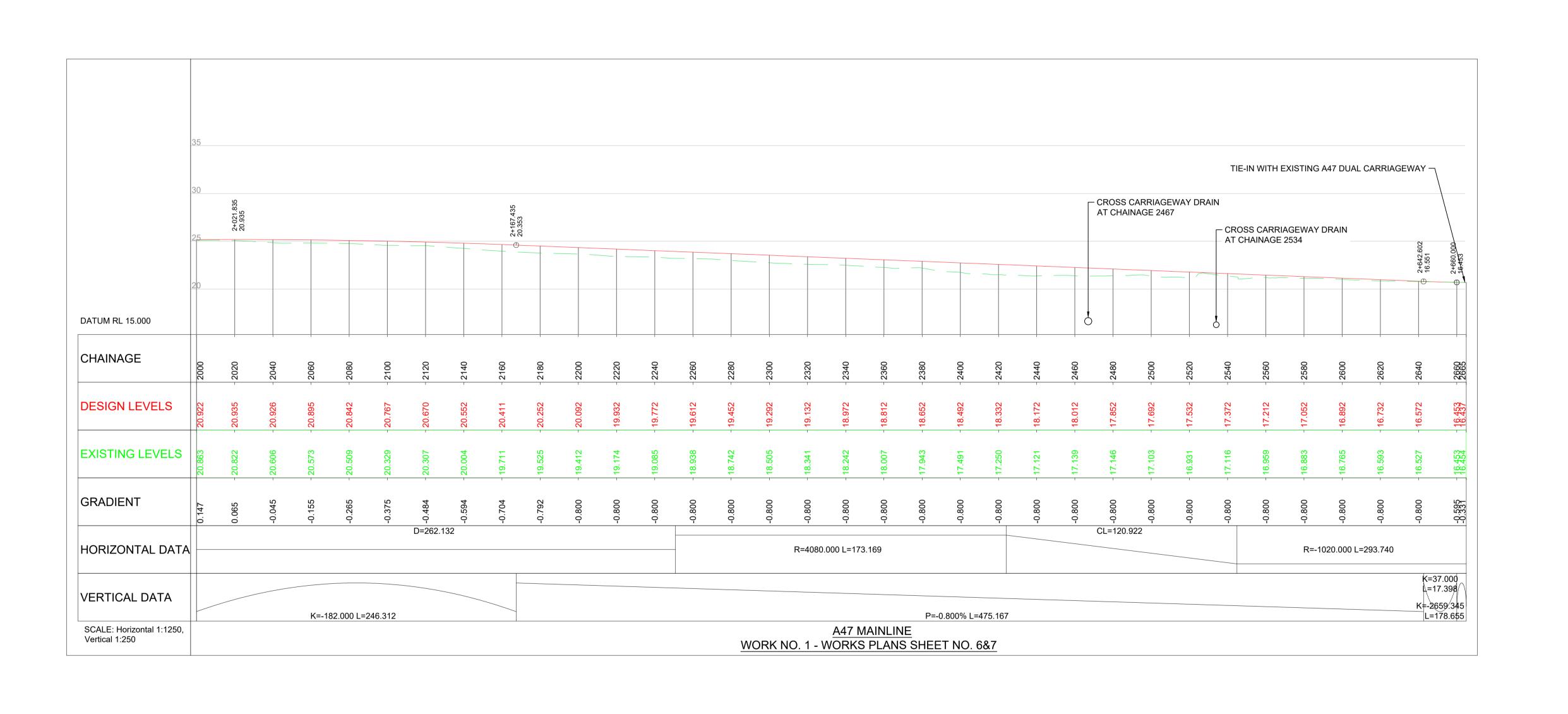
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**ENGINEERING DRAWINGS & SECTIONS** (A47 MAINLINE LONG SECTIONS) REGULATIONS 5(2)(o), 5(2)(p) & 6(2) SHEET 2 OF 6

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A3 C02 1:1250

62.5m



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EXISTING GROUND LEVELS

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C02	25/06/21	DCO ISSUE	CDye	AWoo	SCM
REV	DATE	REVISION NOTE	ORG	CHK'D	APP'D

DESIGNER



CONTRACTOR



CLIENT



A47 WANSFORD TO SUTTON DUALLING

PROJECT STAGE PCF STAGE 3

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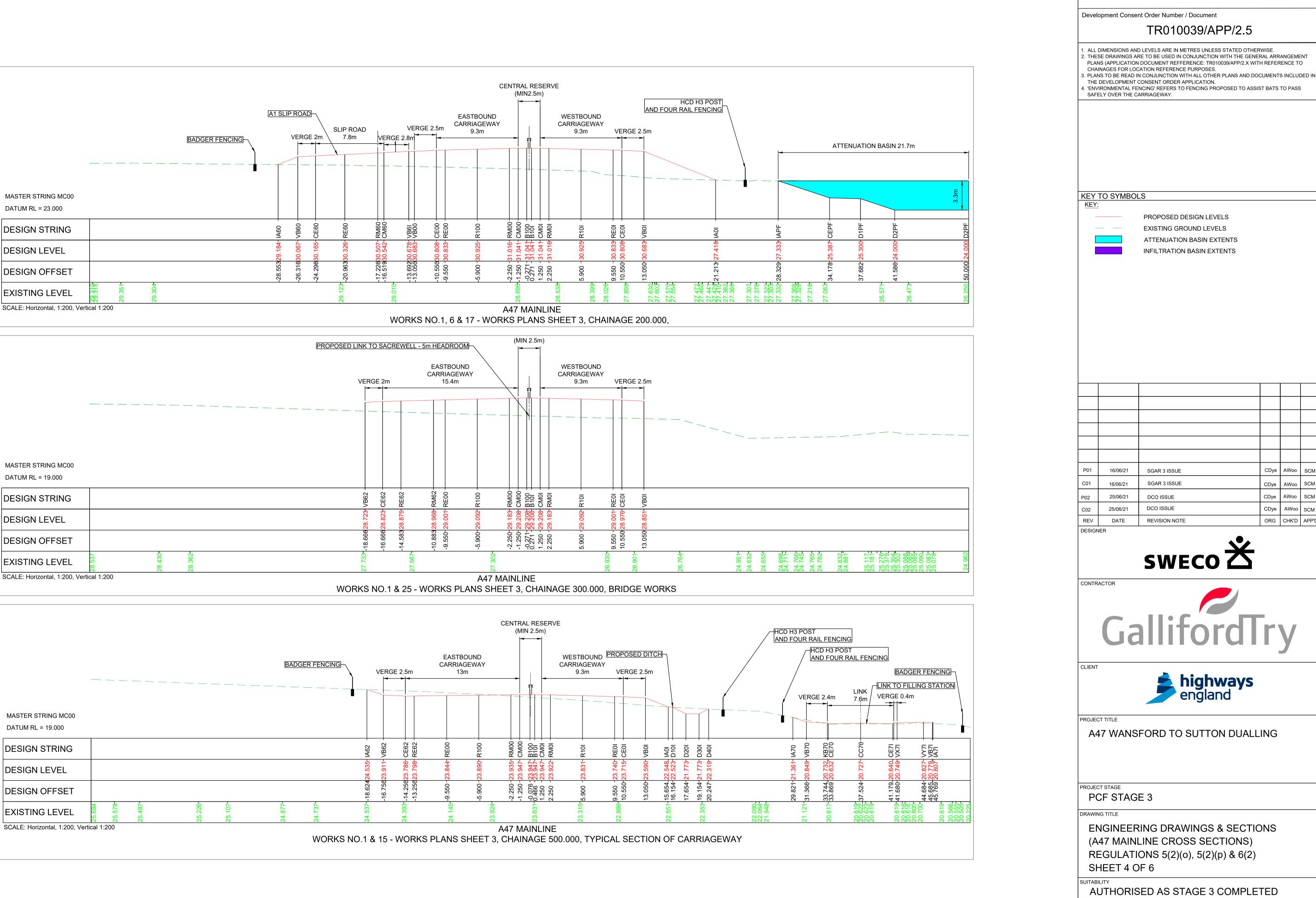
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62.5m



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THE DEVELOPMENT CONSENT ORDER APPLICATION. . 'ENVIRONMENTAL FENCING' REFERS TO FENCING PROPOSED TO ASSIST BATS TO PASS

SAFELY OVER THE CARRIAGEWAY.

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EXISTING GROUND LEVELS ATTENUATION BASIN EXTENTS INFILTRATION BASIN EXTENTS

CDye AWoo SCM 16/06/21 SGAR 3 ISSUE SGAR 3 ISSUE 16/06/21 CDye AWoo SCM
CDye AWoo SCM 25/06/21 DCO ISSUE DCO ISSUE 25/06/21 ORG CHK'D APP'D DATE **REVISION NOTE** 







A47 WANSFORD TO SUTTON DUALLING

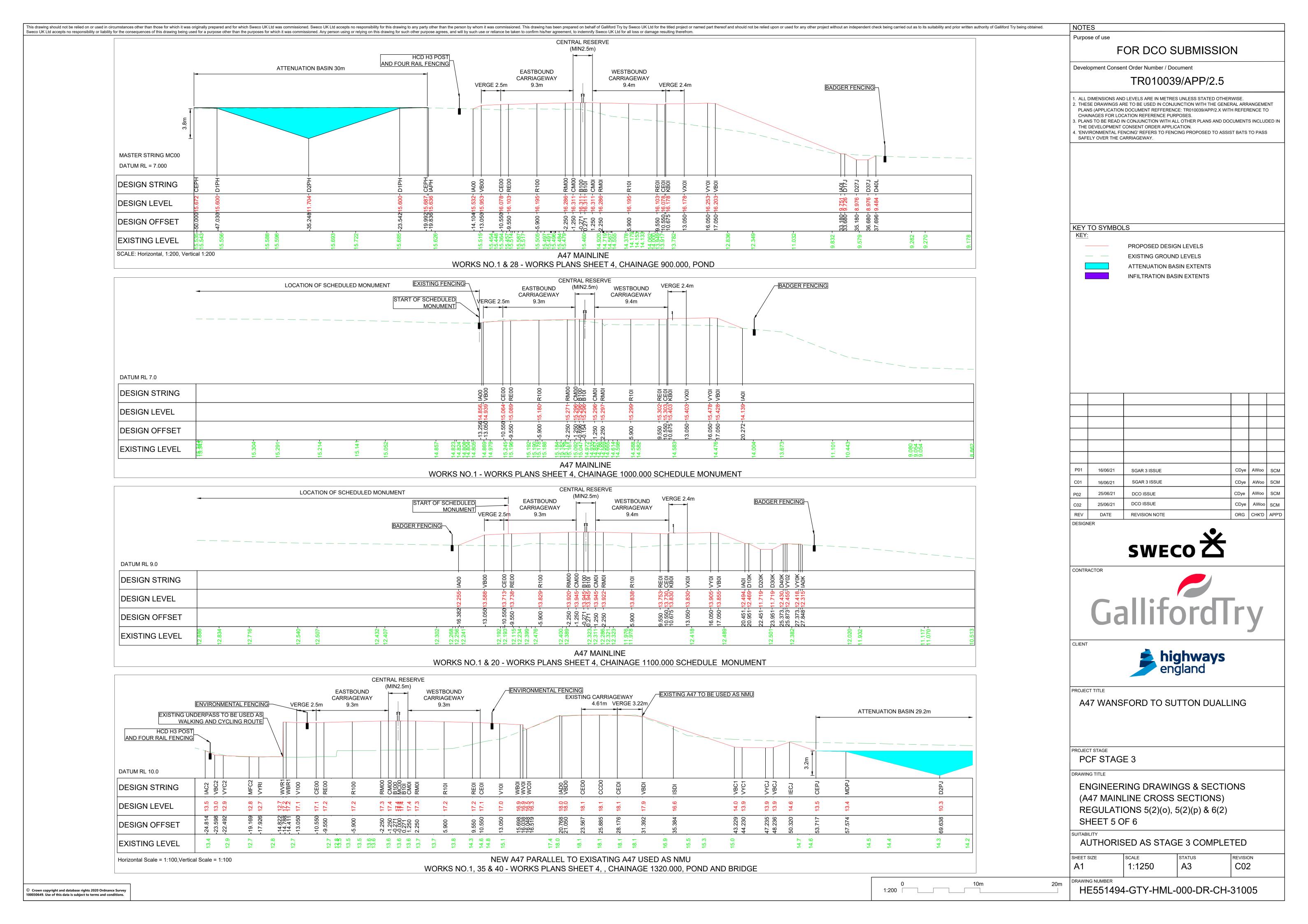
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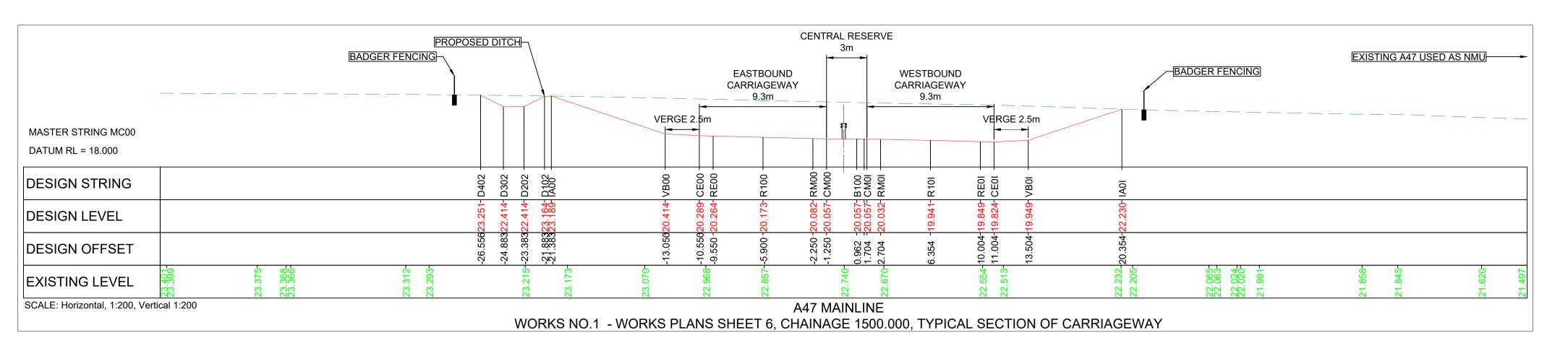
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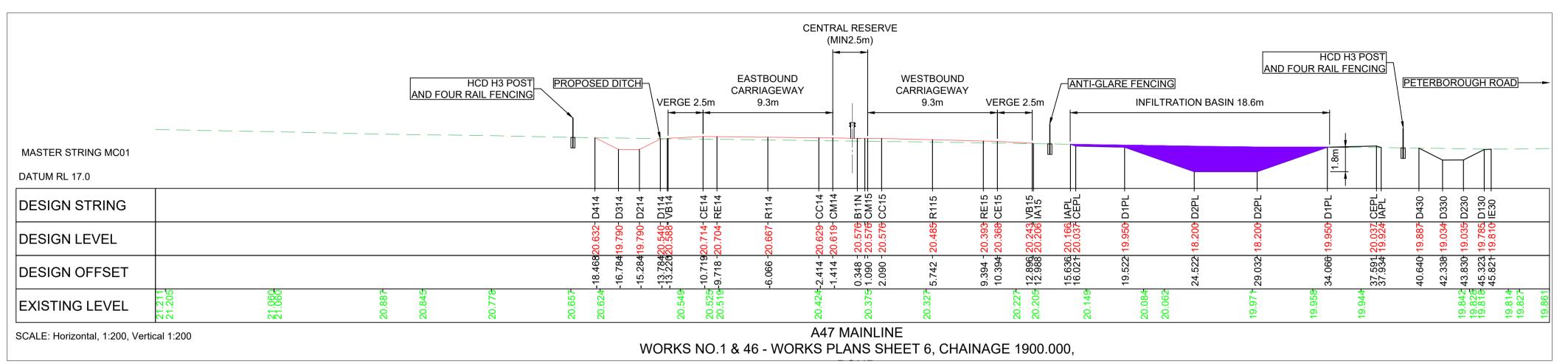
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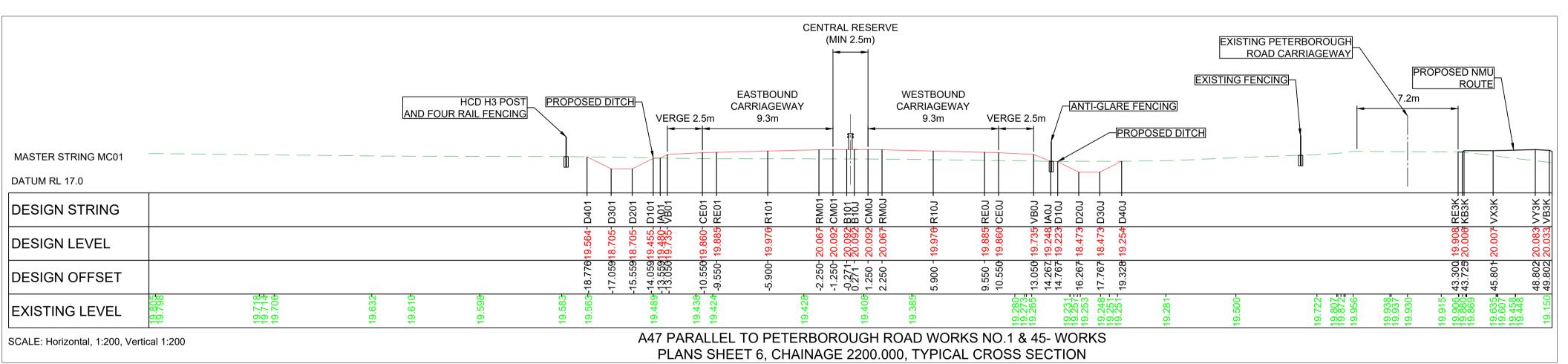
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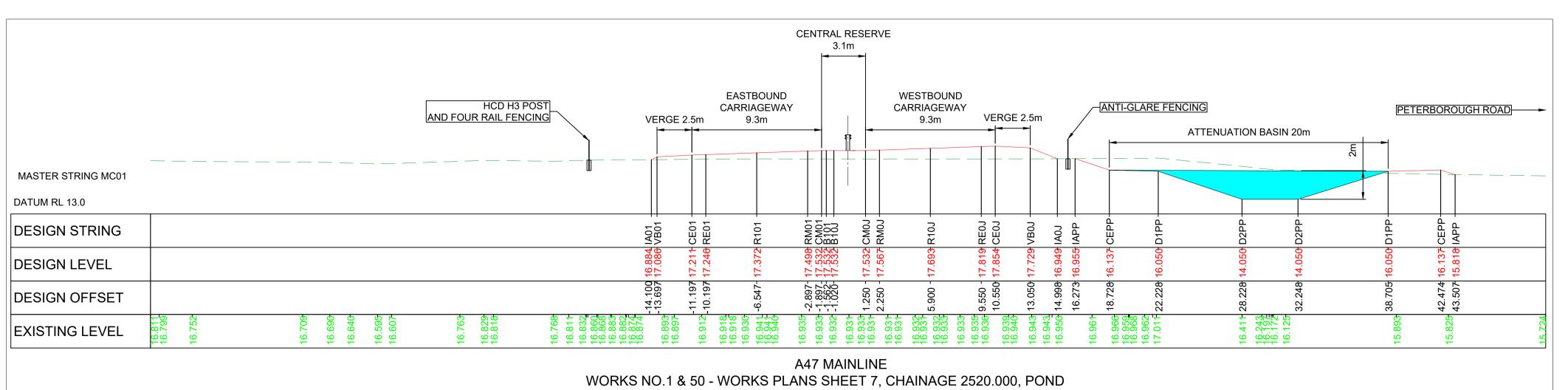




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**KEY TO SYMBOLS** 

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EXISTING GROUND LEVELS ATTENUATION BASIN EXTENTS

**INFILTRATION BASIN EXTENTS** 

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CONTRACTOR





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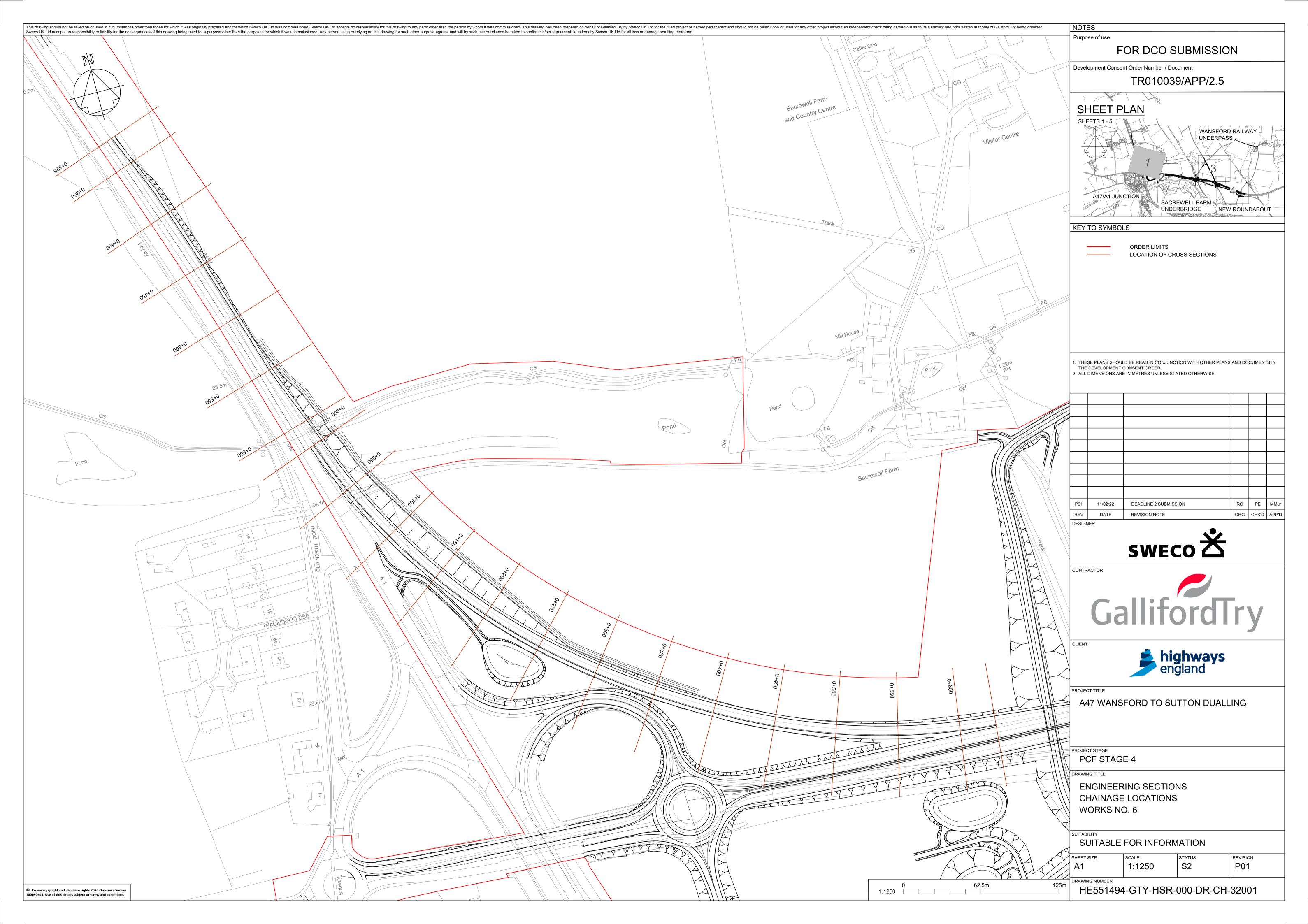
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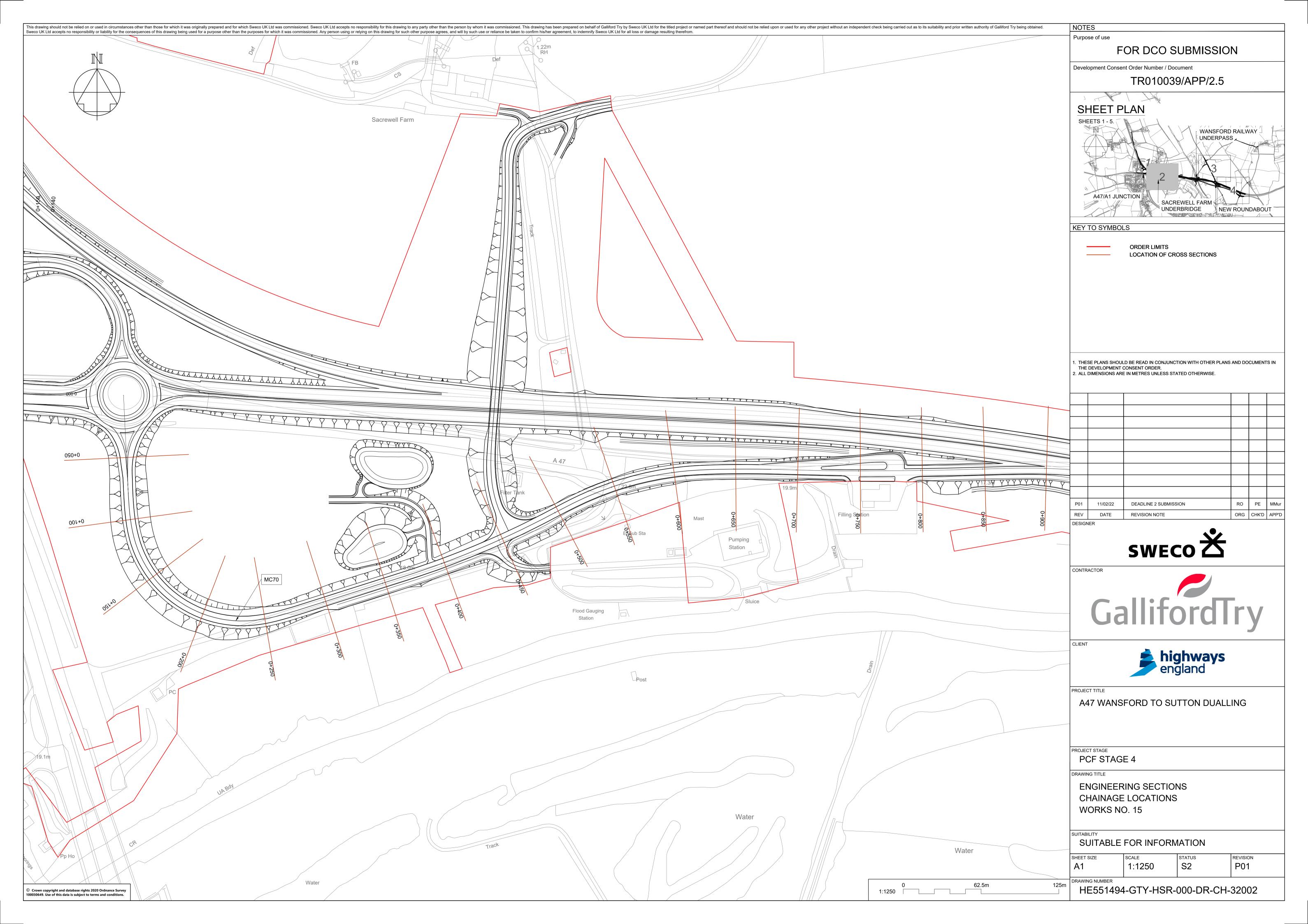
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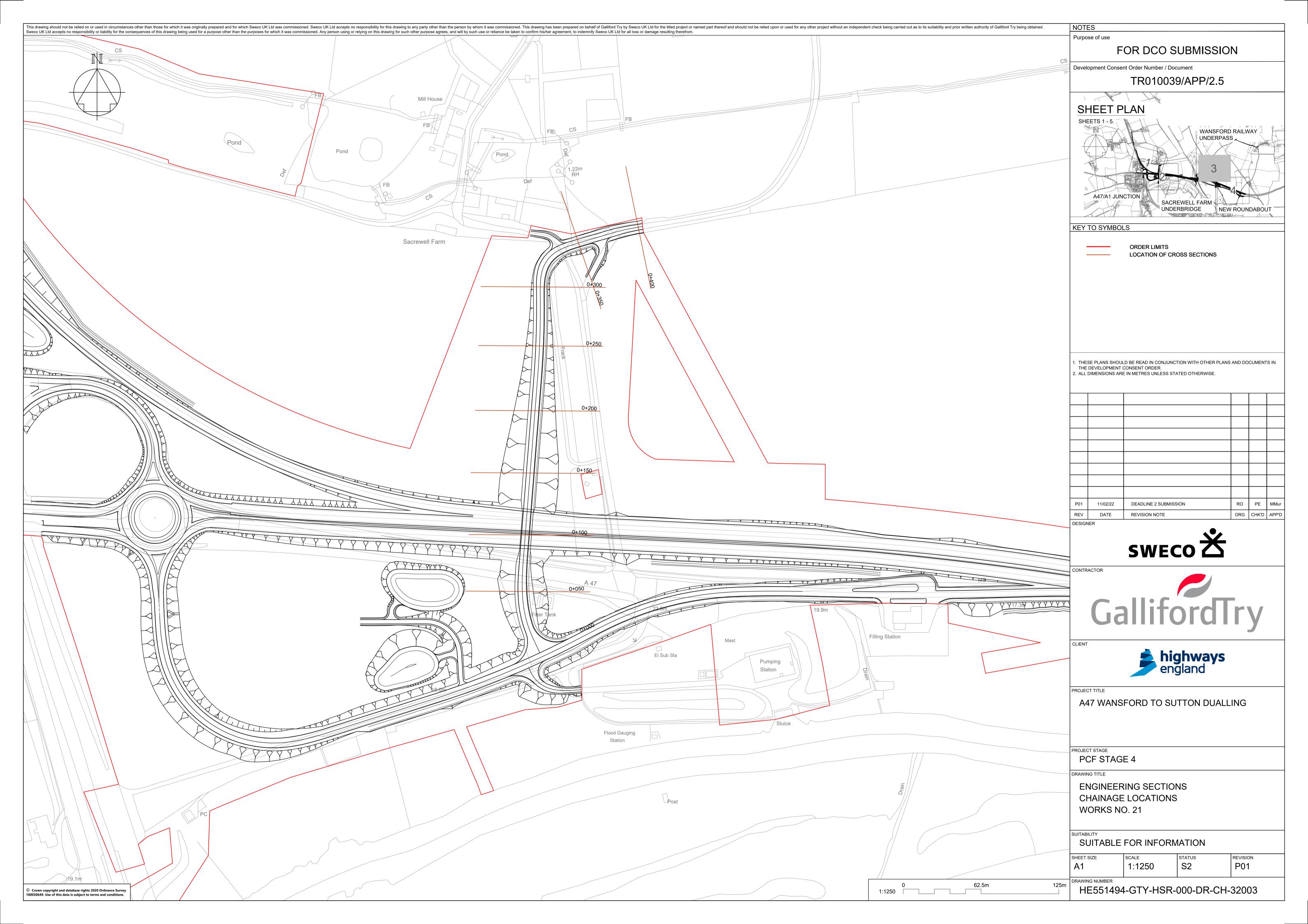
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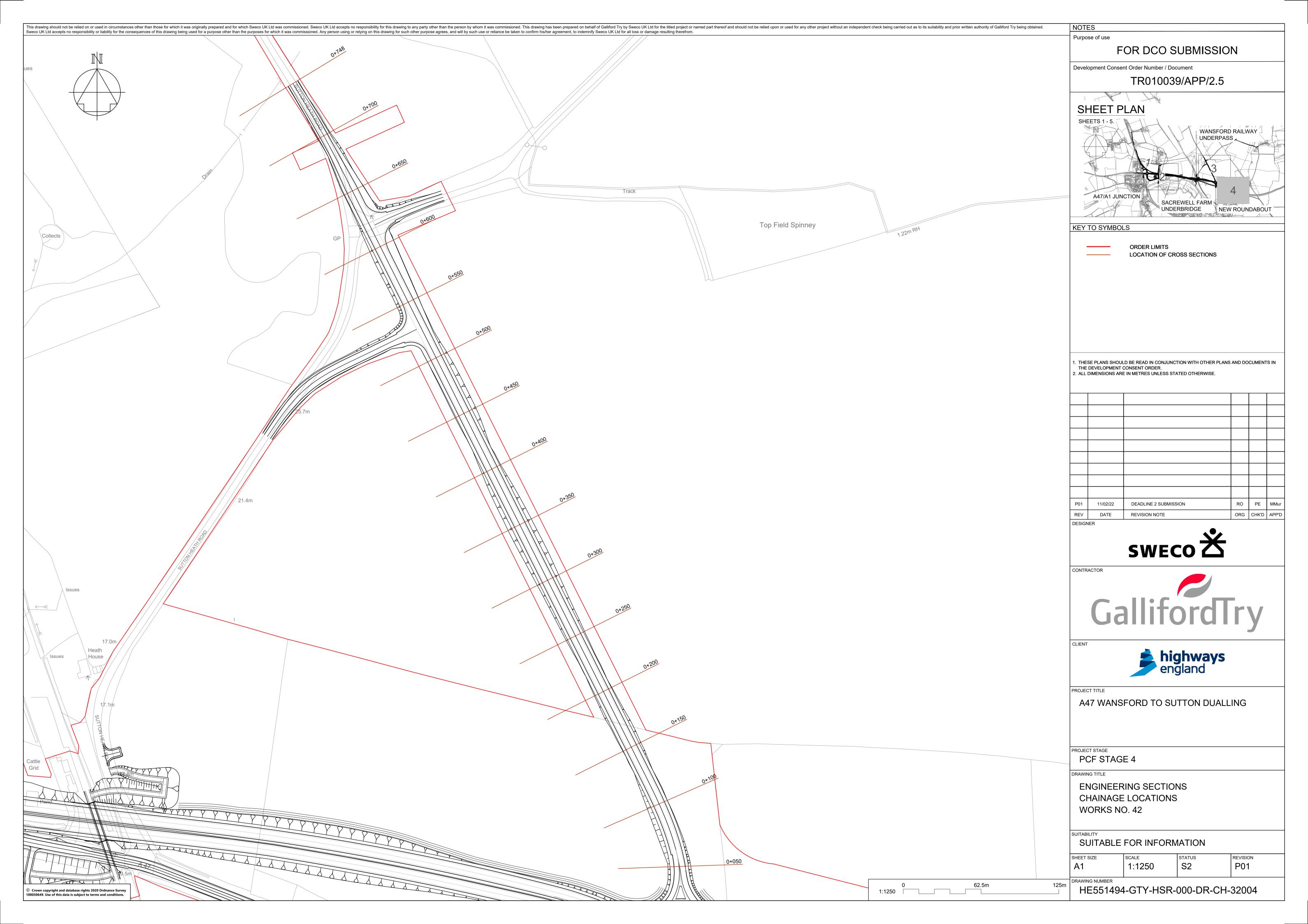
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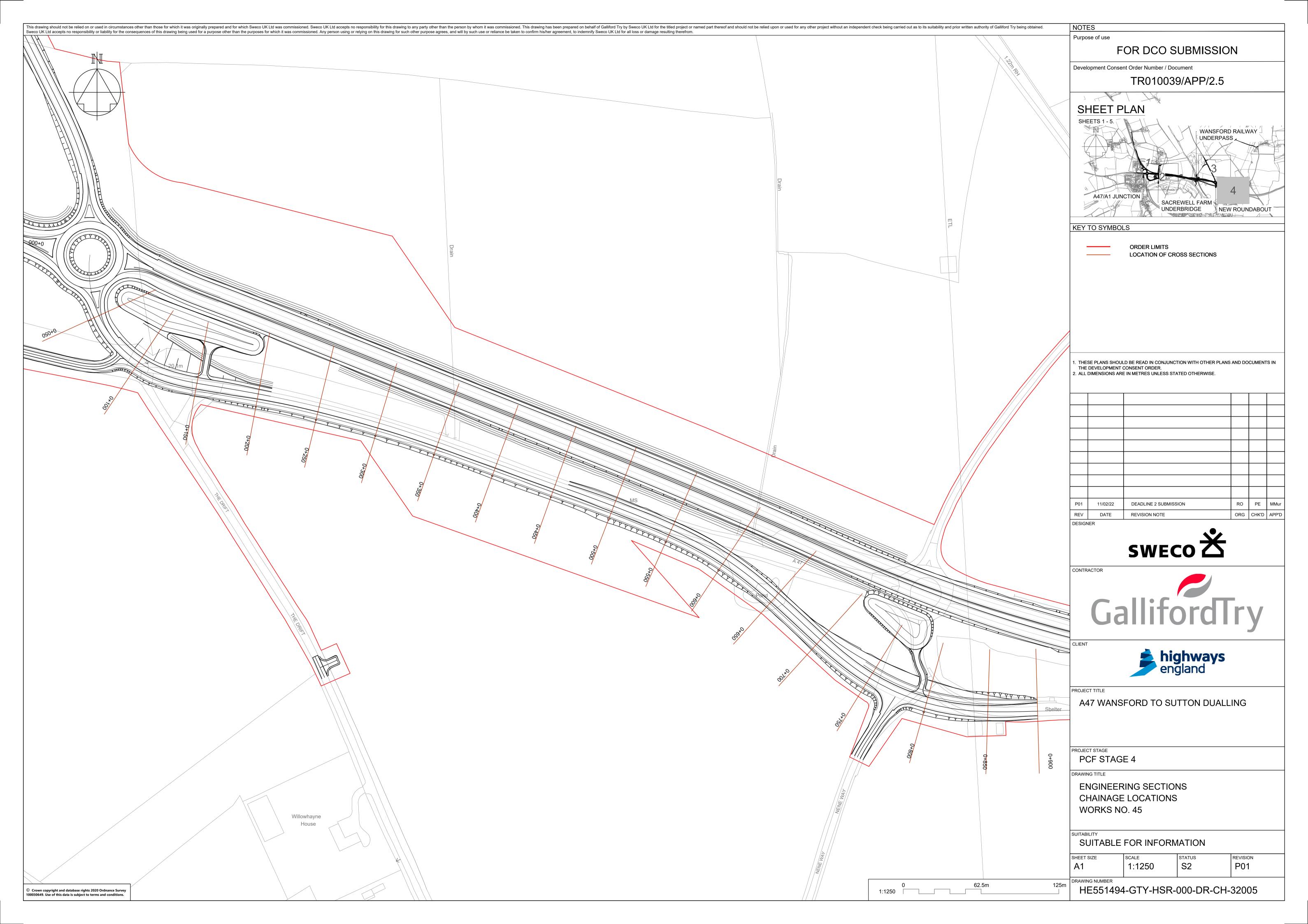
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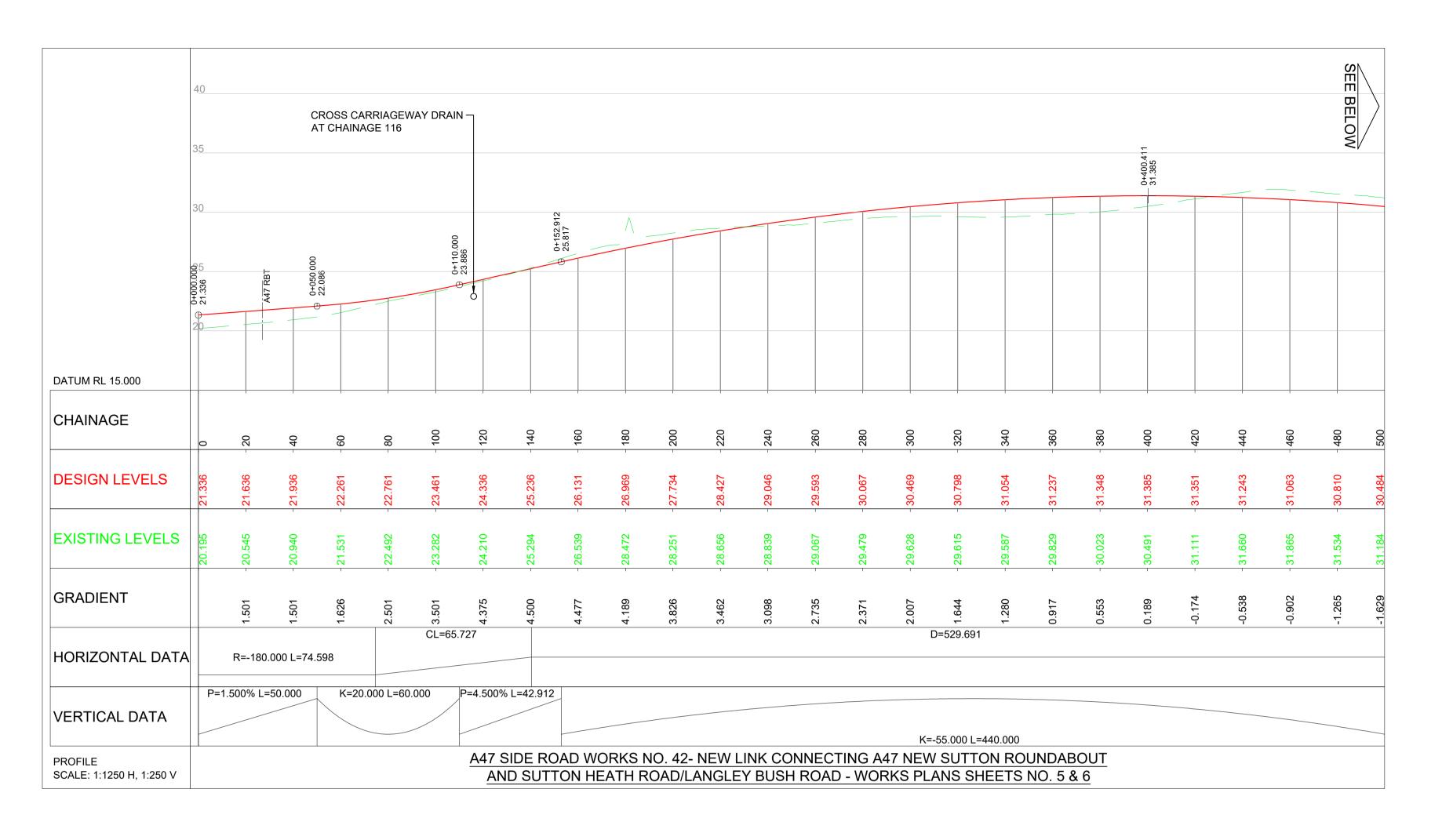


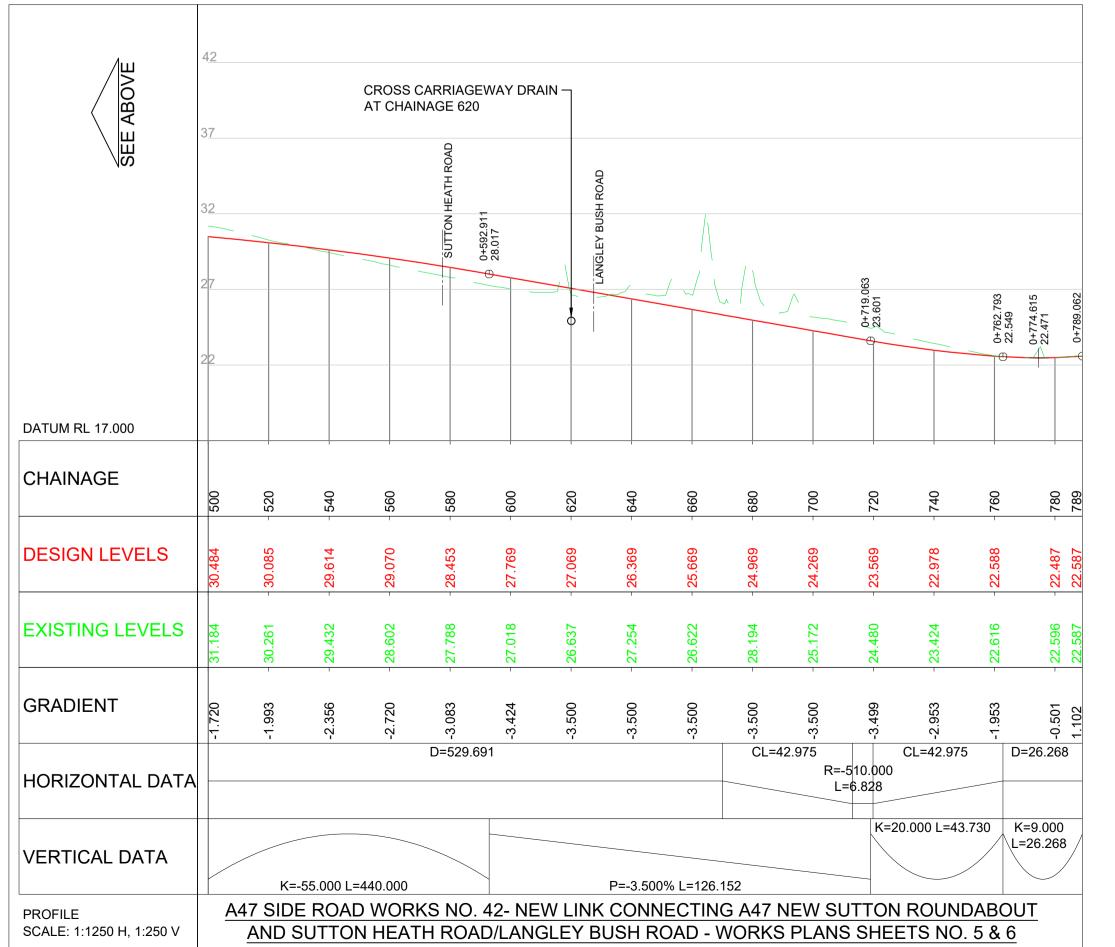












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**KEY TO SYMBOLS** 

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EXISTING GROUND LEVELS

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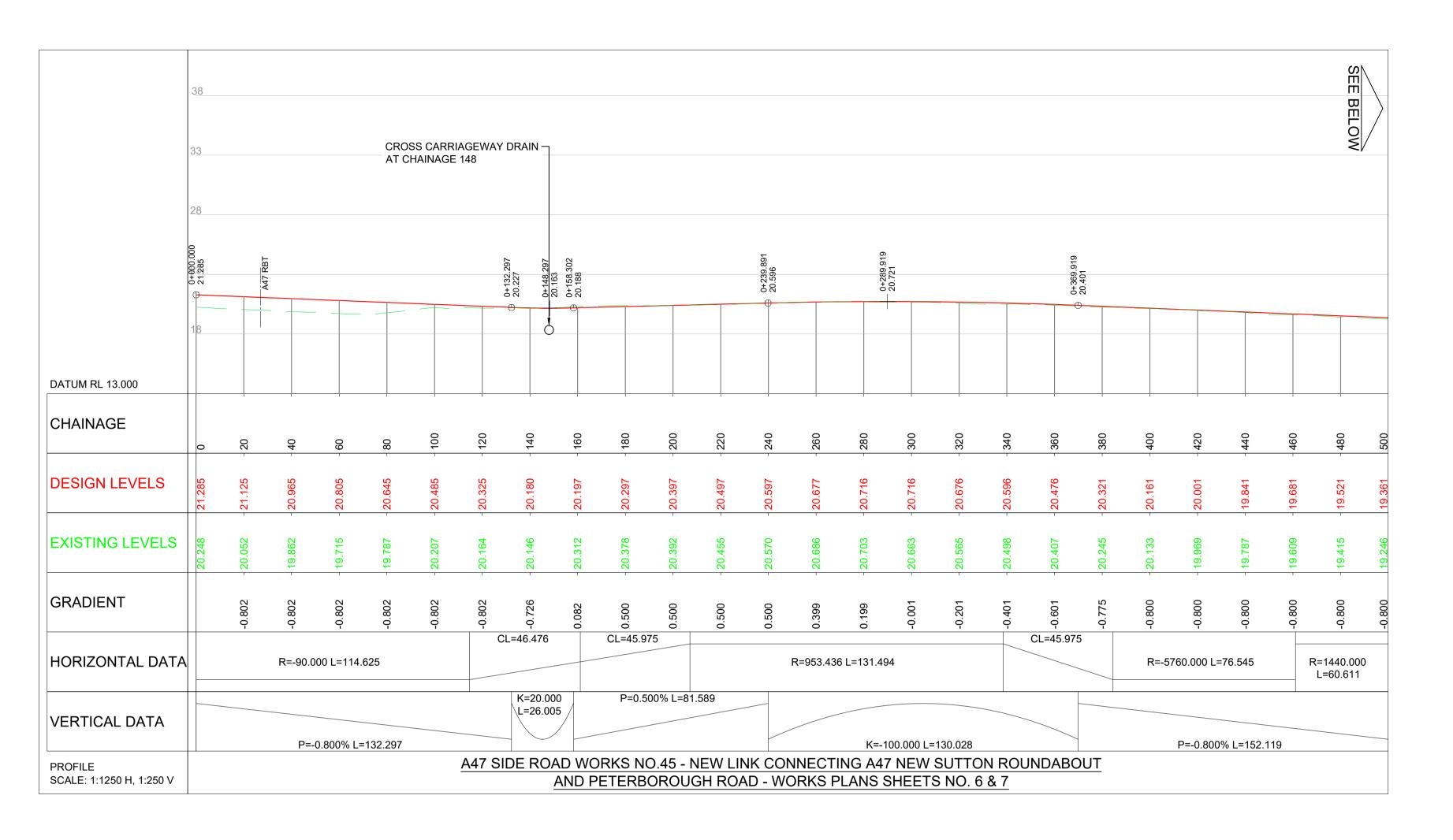
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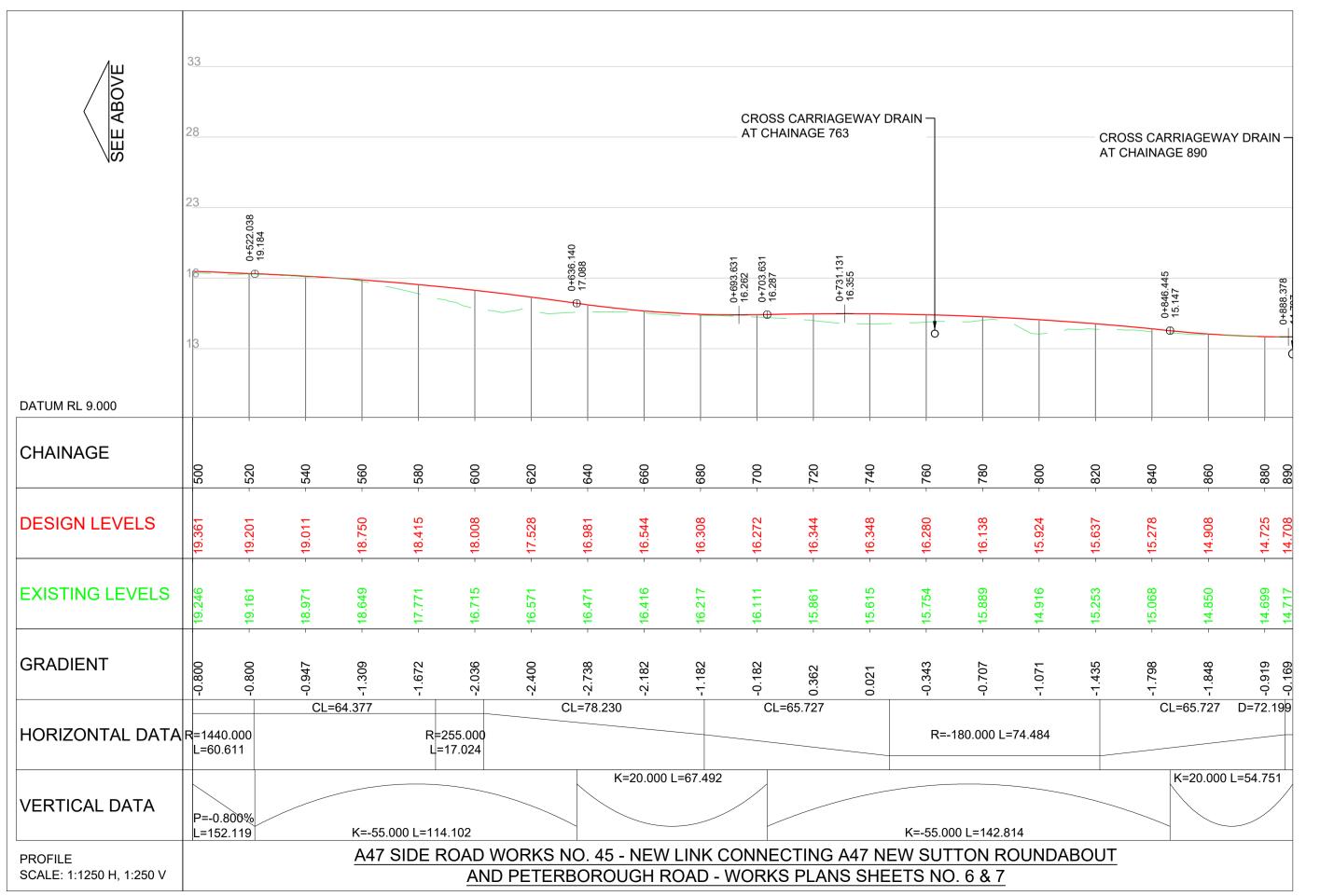
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**ENGINEERING DRAWINGS & SECTIONS** (A47 SIDE ROAD LONG SECTION) (New Link connecting A47 New Sutton Roundabout and Sutton Heath Road/Langley Bush Road)

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AS SHOWN A3 C02 **A**1





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DESIGNER



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ROJECT TITLE

A47 WANSFORD TO SUTTON DUALLING

PROJECT STAGE

PCF STAGE 3

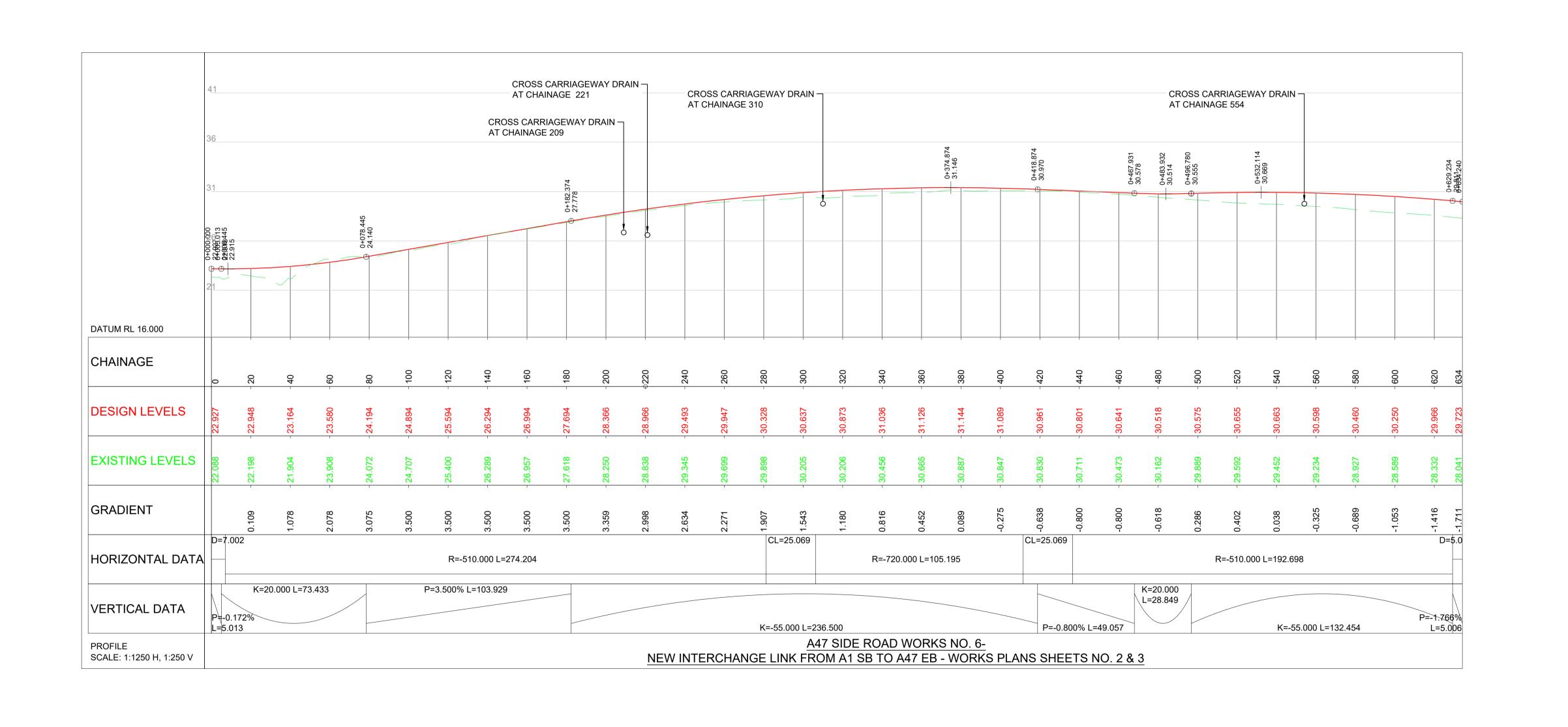
DRAWING TITLE

ENGINEERING DRAWINGS & SECTIONS (A47 SIDE ROAD LONG SECTIONS)
(New Link connecting A47 New Sutton Roundabout and Peterborough Road)

AUTHORISED AS STAGE 3 COMPLETED

AS SHOWN A3 REVISION C02

0 62.5m 125m PRAV



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NOTES

Purpose of use

## FOR DCO SUBMISSION

Development Consent Order Number / Document

## TR010039/APP/2.5

 ALL DIMENSIONS AND LEVELS ARE IN METRES UNLESS STATED OTHERWISE.
 THESE DRAWINGS ARE TO BE USED IN CONJUNCTION WITH THE GENERAL ARRANGEMENT PLANS (APPLICATION DOCUMENT REFFERENCE: TR010039/APP/2.X WITH REFERENCE TO CHAINAGES FOR LOCATION REFERENCE PURPOSES.

3. ALL CROSS CARRIAGEWAY DRAINAGE AND STRUCTURE LOCATIONS ARE INDICATIVE.
 4. PLANS TO BE READ IN CONJUNCTION WITH ALL OTHER PLANS AND DOCUMENTS INCLUDED IN THE DEVELOPMENT CONSENT ORDER APPLICATION.

**KEY TO SYMBOLS** 

KEY:

PROPOSED DESIGN LEVELS
EXISTING GROUND LEVELS

SMALL CARRIER DRAIN - UP TO 300mm DIA

MEDIUM CARRIER DRAIN - 300mm - 600mm DIA

O LARGE CARRIER DRAIN - LARGER THAN 600mm DIA

P01	16/06/21	SGAR 3 ISSUE	CDye	AWoo	SCM
C01	16/06/21	SGAR 3 ISSUE	CDye	AWoo	SCM
P02	25/06/21	DCO ISSUE	CDye	AWoo	SCM
C02	25/06/21	DCO ISSUE	CDye	AWoo	SCM
REV	DATE	REVISION NOTE	ORG	CHK'D	APP'D

DESIGNER



CONTRACTOR



CLIENT



PROJECT TITLE

A47 WANSFORD TO SUTTON DUALLING

PROJECT STAGE

PCF STAGE 3

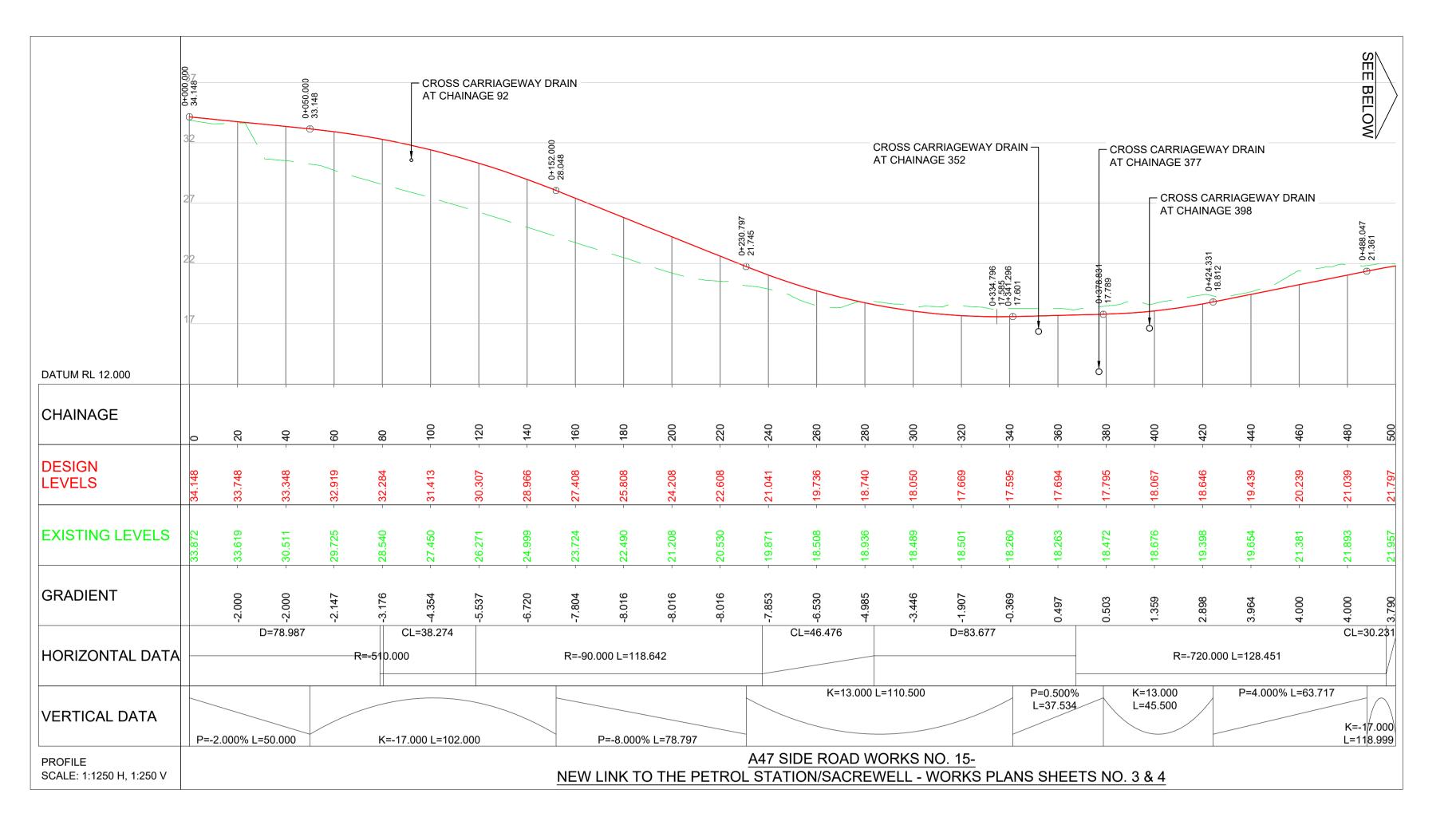
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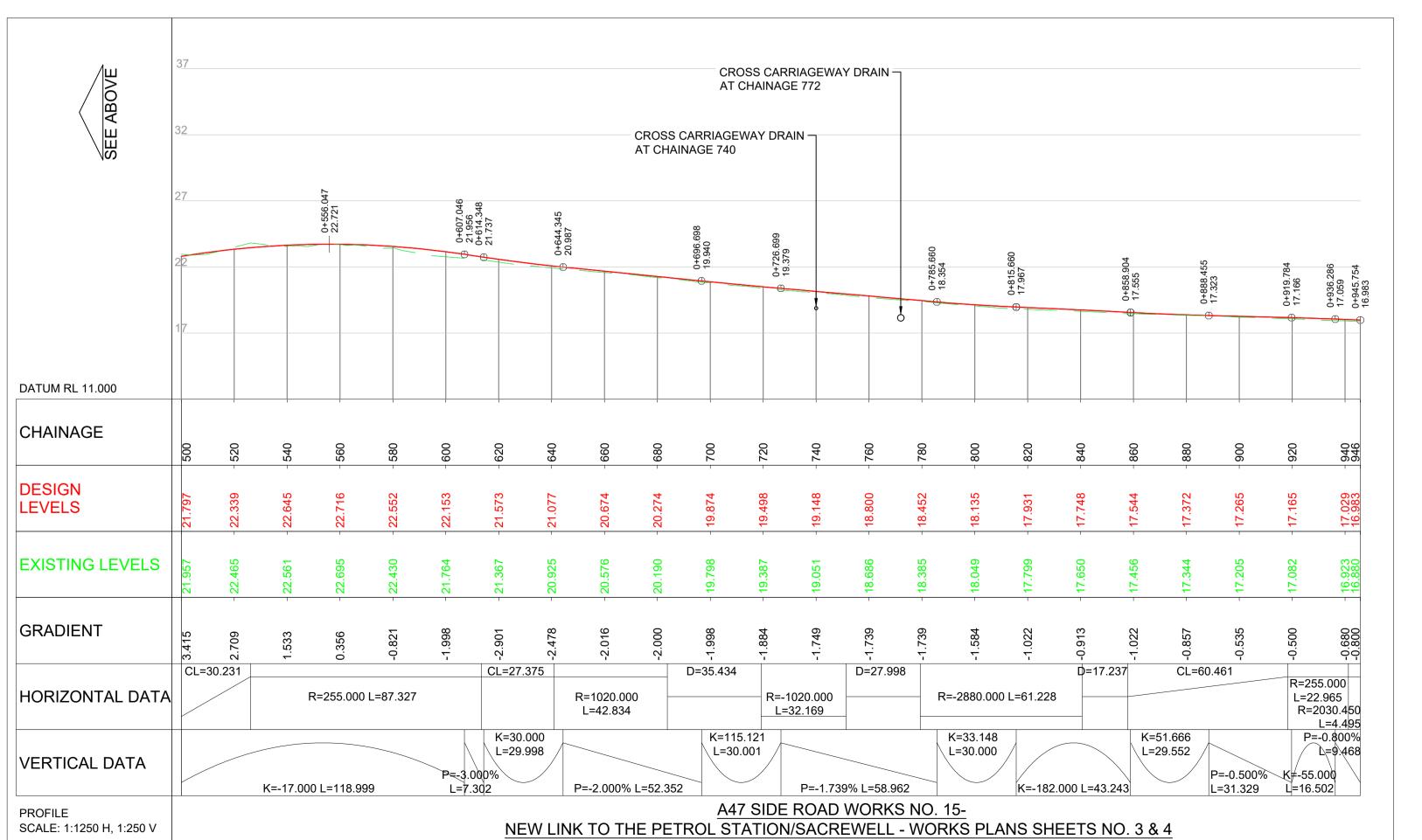
ENGINEERING DRAWINGS & SECTIONS (A47 SIDE ROAD LONG SECTIONS)
(New Interchange link from A1 SB to A47 EB)

AUTHORISED AS STAGE 3 COMPLETED

A1 AS SHOWN A3 REVISION C02

62.5m 125m HE551494-GTY-HSR-000-DR-CH-31003





NOTES

Purpose of use

FOR DCO SUBMISSION

Development Consent Order Number / Document

## TR010039/APP/2.5

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**KEY TO SYMBOLS** 

PROPOSED DESIGN LEVELS EXISTING GROUND LEVELS

SMALL CARRIER DRAIN - UP TO 300mm DIA

MEDIUM CARRIER DRAIN - 300mm - 600mm DIA

LARGE CARRIER DRAIN - LARGER THAN 600mm DIA

CDye AWoo SCM 16/06/21 SGAR 3 ISSUE SGAR 3 ISSUE CDye AWoo SCM 16/06/21 25/06/21 DCO ISSUE CDye AWoo SCM DCO ISSUE C02 25/06/21 ORG CHK'D APP'D REV

DESIGNER



**REVISION NOTE** 

CONTRACTOR

DATE



CLIENT



A47 WANSFORD TO SUTTON DUALLING

PROJECT STAGE PCF STAGE 3

DRAWING TITLE

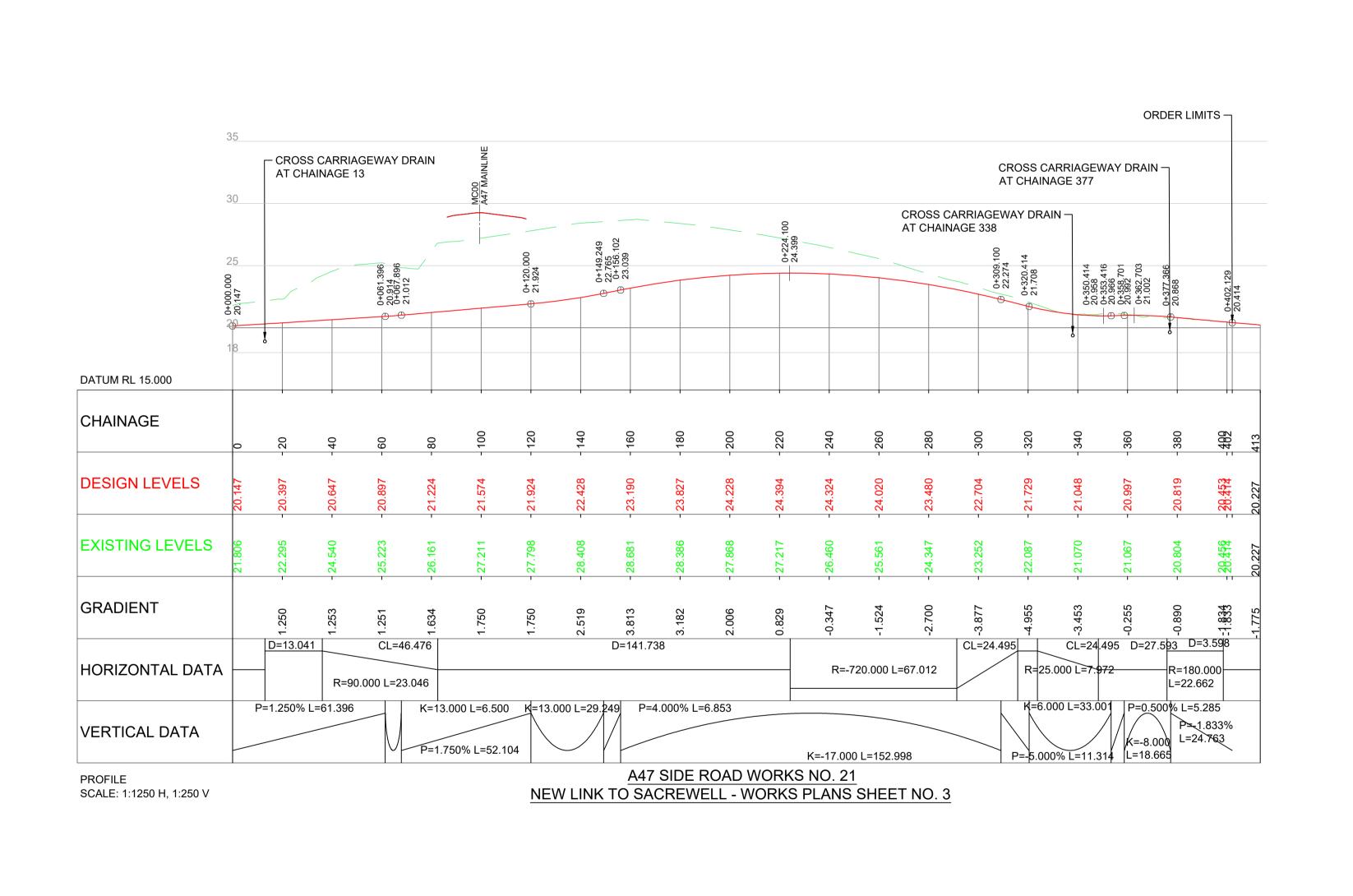
**A**1

**ENGINEERING DRAWINGS & SECTIONS** (A47 SIDE ROAD LONG SECTIONS) (New Link to the Petrol Station/Sacrewell)

AUTHORISED AS STAGE 3 COMPLETED

AS SHOWN A3 C02

62.5m



NOTES Purpose of use FOR DCO SUBMISSION Development Consent Order Number / Document TR010039/APP/2.5 **KEY TO SYMBOLS** PROPOSED DESIGN LEVELS EXISTING GROUND LEVELS SMALL CARRIER DRAIN - UP TO 300mm DIA MEDIUM CARRIER DRAIN - 300mm - 600mm DIA LARGE CARRIER DRAIN - LARGER THAN 600mm DIA RO PE MMur P01 11/02/22 DEADLINE 2 SUBMISSION ORG CHK'D APP'D REV DATE **REVISION NOTE** DESIGNER sweco 😤 CONTRACTOR GallifordTry highways england A47 WANSFORD TO SUTTON DUALLING

PROJECT STAGE

PCF STAGE 4

DRAWING TITLE

ENGINEERING DRAWINGS & SECTIONS (A47 SIDE ROAD LONG SECTIONS) SACREWELL FARM

SUITABILITY

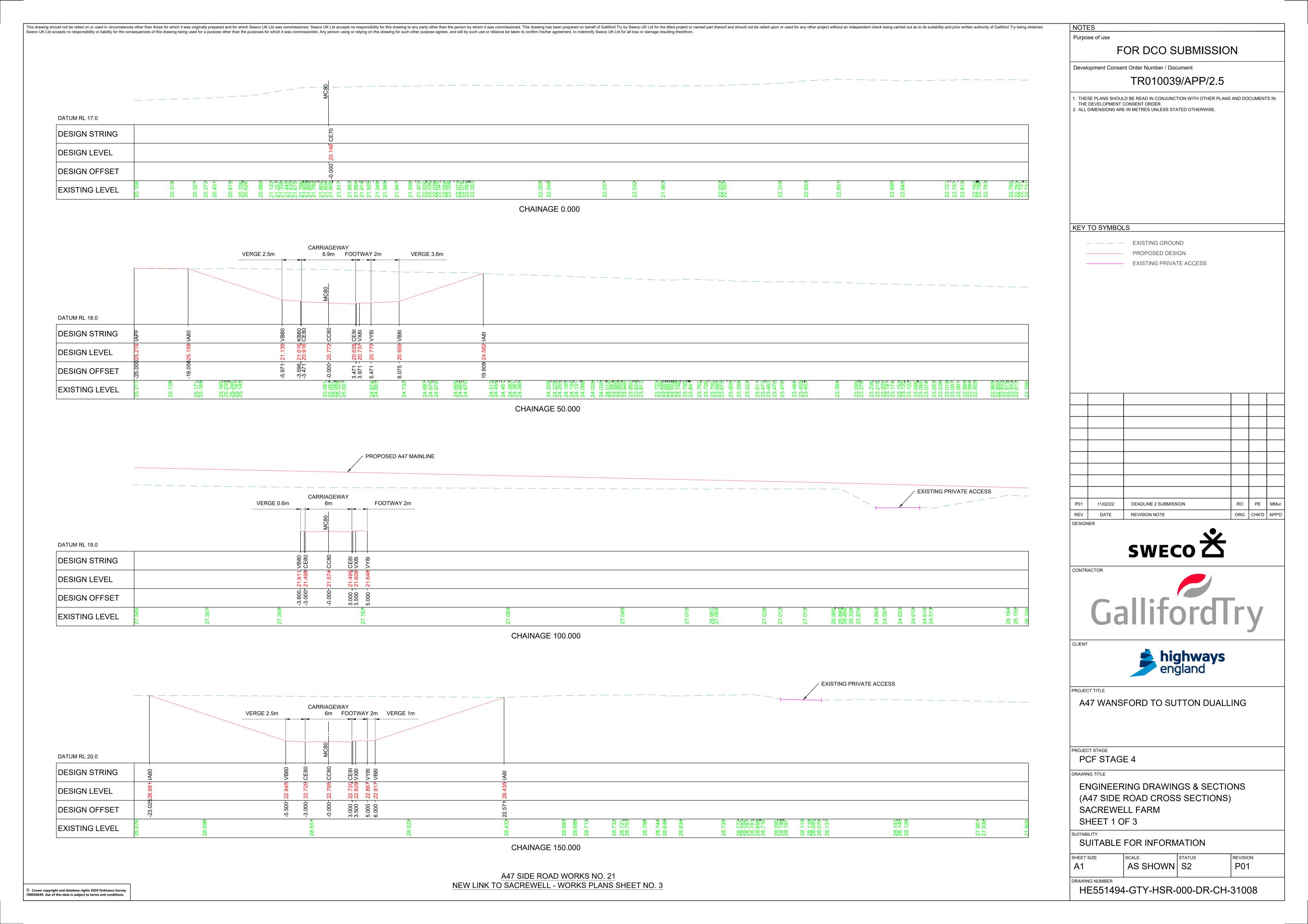
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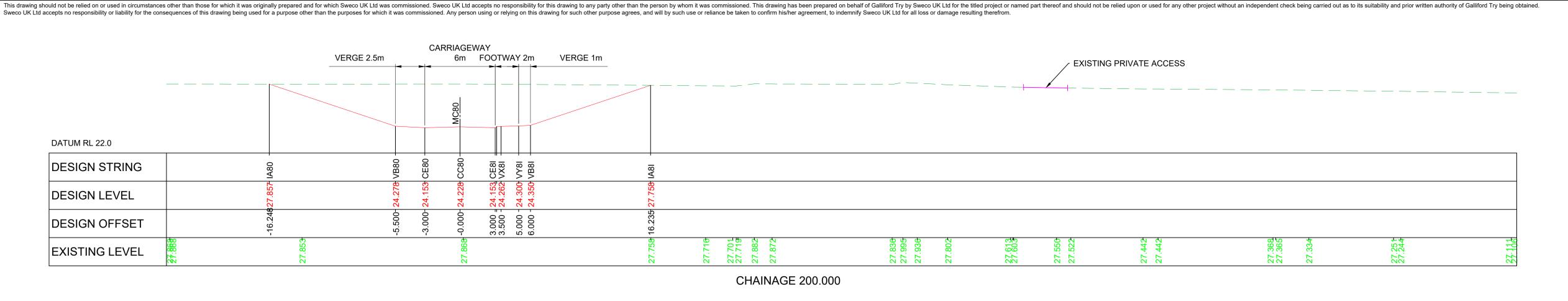
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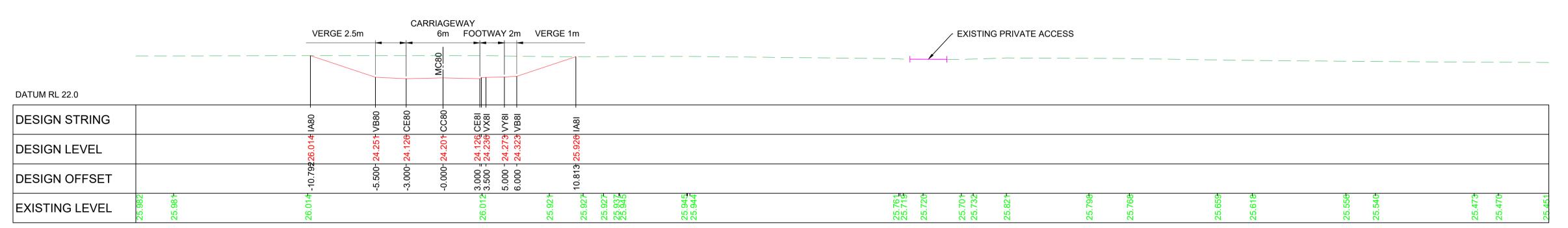
DRAWING NUMBER

HE551494-GTY-HSR-000-DR-CH-31007

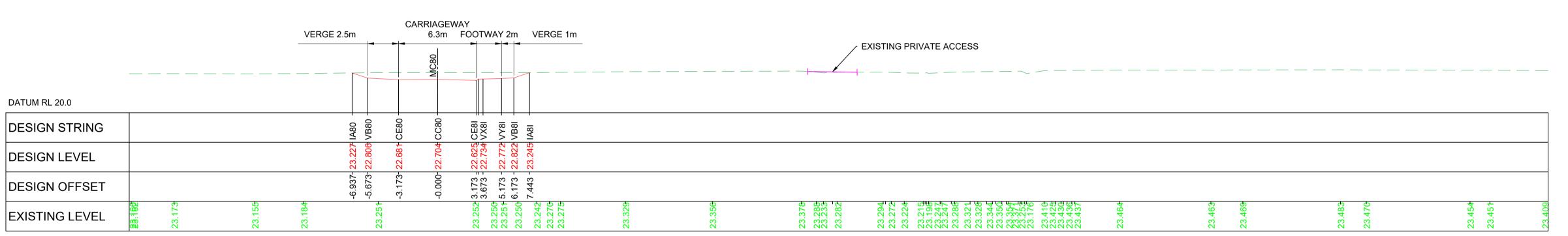
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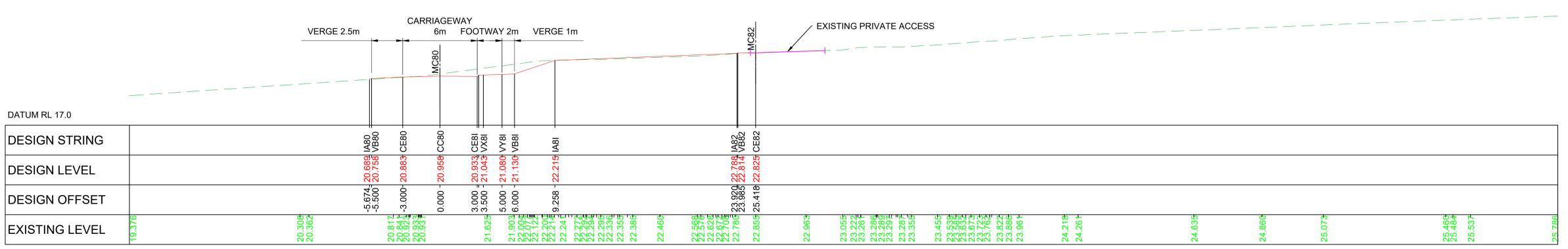




CHAINAGE 250.000



CHAINAGE 300.000



CHAINAGE 350.000

A47 SIDE ROAD WORKS NO. 21
NEW LINK TO SACREWELL - WORKS PLANS SHEET NO. 3

NOTES

Purpose of use

FOR DCO SUBMISSION

Development Consent Order Number / Document

TR010039/APP/2.5

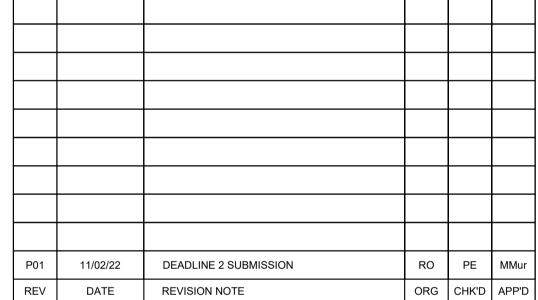
 THESE PLANS SHOULD BE READ IN CONJUNCTION WITH OTHER PLANS AND DOCUMENTS IN THE DEVELOPMENT CONSENT ORDER.
 ALL DIMENSIONS ARE IN METRES UNLESS STATED OTHERWISE.

KEY TO SYMBOLS

- - - EXISTING GROUND

EXISTING PRIVATE ACCESS

PROPOSED DESIGN



DESIGNER



CONTRACTOR



CLIENT



PO IECT TITI E

A47 WANSFORD TO SUTTON DUALLING

PROJECT STAGE
PCF STAGE 4

SHEET 2 OF 3

I OI OIAGE

DRAWING TITLE

ENGINEERING DRAWINGS & SECTIONS (A47 SIDE ROAD CROSS SECTIONS)
SACREWELL FARM

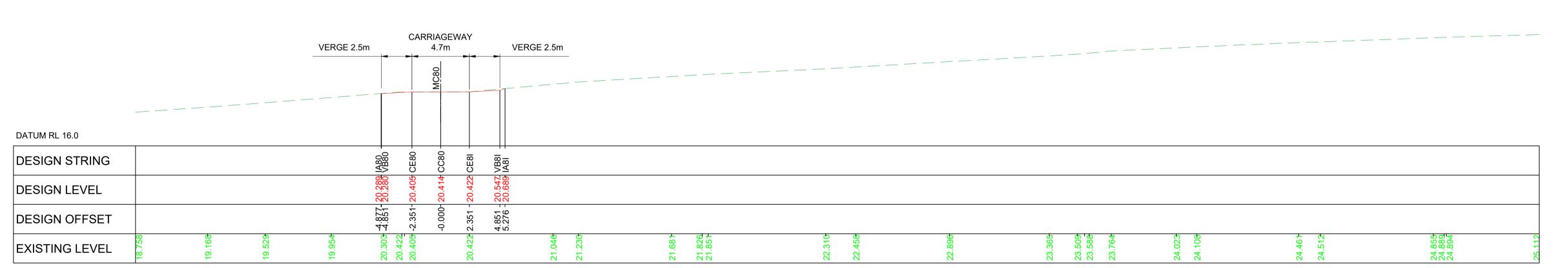
SUITABLE FOR INFORMATION

AS SHOWN S2 REVISION P01

	VI	VERGE 2.5m		RRIAGEW 4.7m	AY	VERGE 2.5m										. — — —
		T		MC80		. — — — —										
DATUM RL 16.0																
DESIGN STRING		HA80	vBoU CE80 +	- 0800 -	CE8I +											
DESIGN LEVEL		20.317	20.439	20.453	20.467 20.592 20.733											
DESIGN OFFSET		-4.826 <u>-</u>	-4.017	-0.000-	2.351 - 4.851 - 5.274 -											
EXISTING LEVEL	19.164	19.957	20.441	20.460	20.467	21.230	21.704	22.327. 22.327. 22.367.	22.899	23.090	23.526 23.660 23.764 23.867	24.018	24.405	24.529	24.816	25.131

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CHAINAGE 400.000



**CHAINAGE 402.129** 

NOTES

Purpose of use

FOR DCO SUBMISSION

Development Consent Order Number / Document

2. ALL DIMENSIONS ARE IN METRES UNLESS STATED OTHERWISE.

THE DEVELOPMENT CONSENT ORDER.

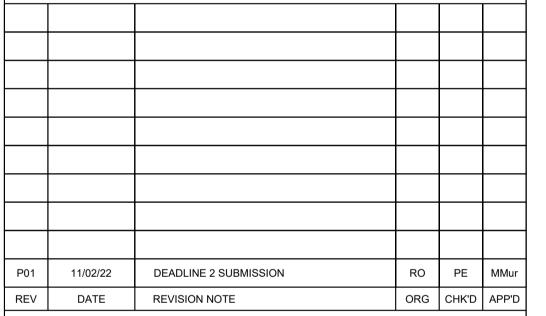
TR010039/APP/2.5

. THESE PLANS SHOULD BE READ IN CONJUNCTION WITH OTHER PLANS AND DOCUMENTS IN

**KEY TO SYMBOLS** 

EXISTING GROUND PROPOSED DESIGN

EXISTING PRIVATE ACCESS



DESIGNER



CONTRACTOR





A47 WANSFORD TO SUTTON DUALLING

PROJECT STAGE PCF STAGE 4

DRAWING TITLE

**ENGINEERING DRAWINGS & SECTIONS** (A47 SIDE ROAD CROSS SECTIONS) SACREWELL FARM SHEET 3 OF 3

SUITABLE FOR INFORMATION

AS SHOWN S2 P01

HE551494-GTY-HSR-000-DR-CH-31010

A47 SIDE ROAD WORKS NO. 21 NEW LINK TO SACREWELL - WORKS PLANS SHEET NO. 3

