

A47/A11 Thickthorn Junction

Scheme Number: TR010037

Volume 2

2.7 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

March 2022

Infrastructure Planning

Planning Act 2008

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

The A47/A11 Thickthorn Junction
Development Consent Order 202[x]

ENGINEERING DRAWINGS AND SECTIONS

Regulation Number:	5(2)(o), 5(2)(p) and 6(2)
Planning Inspectorate Scheme Reference	TR010037
Application Document Reference	2.7
BIM Document Reference	PCF STAGE 3 HE551492-GTY-LSI-000-RP-CH-30007 P01
Author:	A47/A11 Thickthorn Junction Project Team, Highways England

Version	Date	Status of Version
Rev.0	March 2021	Application Issue
<u>Rev 1</u>	<u>March 2022</u>	<u>Deadline 9</u>

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1. INTRODUCTION

1.1.1 These Engineering Drawings and Sections (these “Drawings”) relate to an application made by Highways England (the “Applicant”) to the Secretary of State of Transport, via the Planning Inspectorate (the “Inspectorate”) under section 37 of the Planning Act 2008 (the PA 2008) for a Development Consent Order (DCO). If made, the DCO would grant consent for the A47/A11 Thickthorn Junction (the “Scheme”). A detailed description of the Scheme can be found in Chapter 2 The Proposed Scheme of the Environmental Statement (ES)(**TR010037/APP/6.1**).

1.1.2 These Drawings comprise part of the suite of Application documentation and is included in the application for a DCO 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) 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

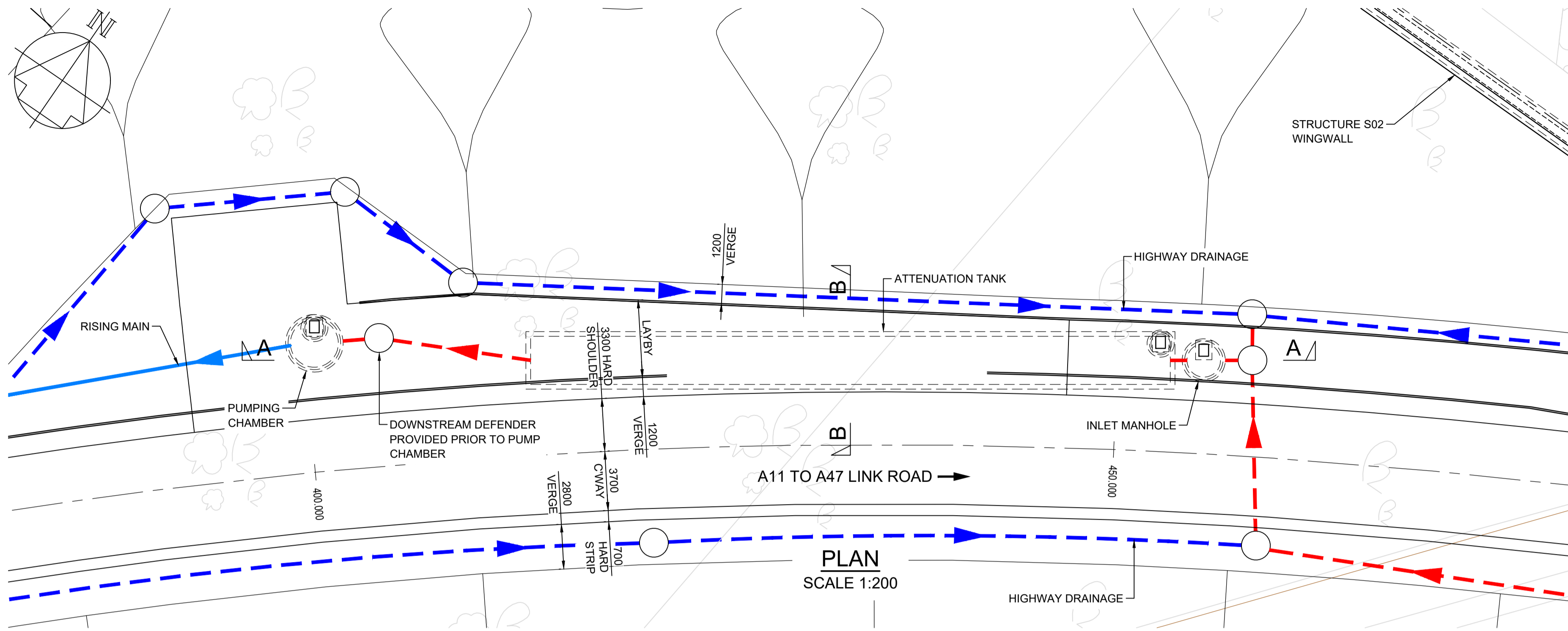
(vi) drainage outfall details for highways;

(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.”

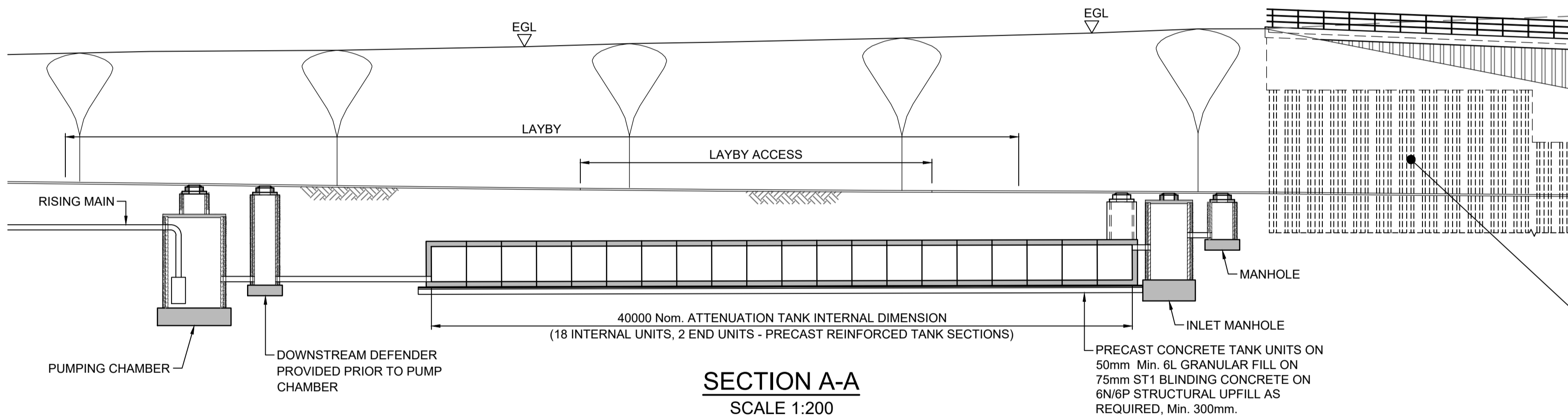
- 1.1.3 As these Drawings are part of the application documentation, they should be read alongside and are informed by the other application documentation. In particular, the Drawings should be read alongside Schedule 1 of the draft DCO (**TR010038/APP/3.1**), the General Arrangement Plans (**TR010037/APP/2.2**) and the Works Plans (**TR010037/APP/2.4**).

2. SCHEDULE OF PLANS IN THIS APPLICATION DOCUMENT

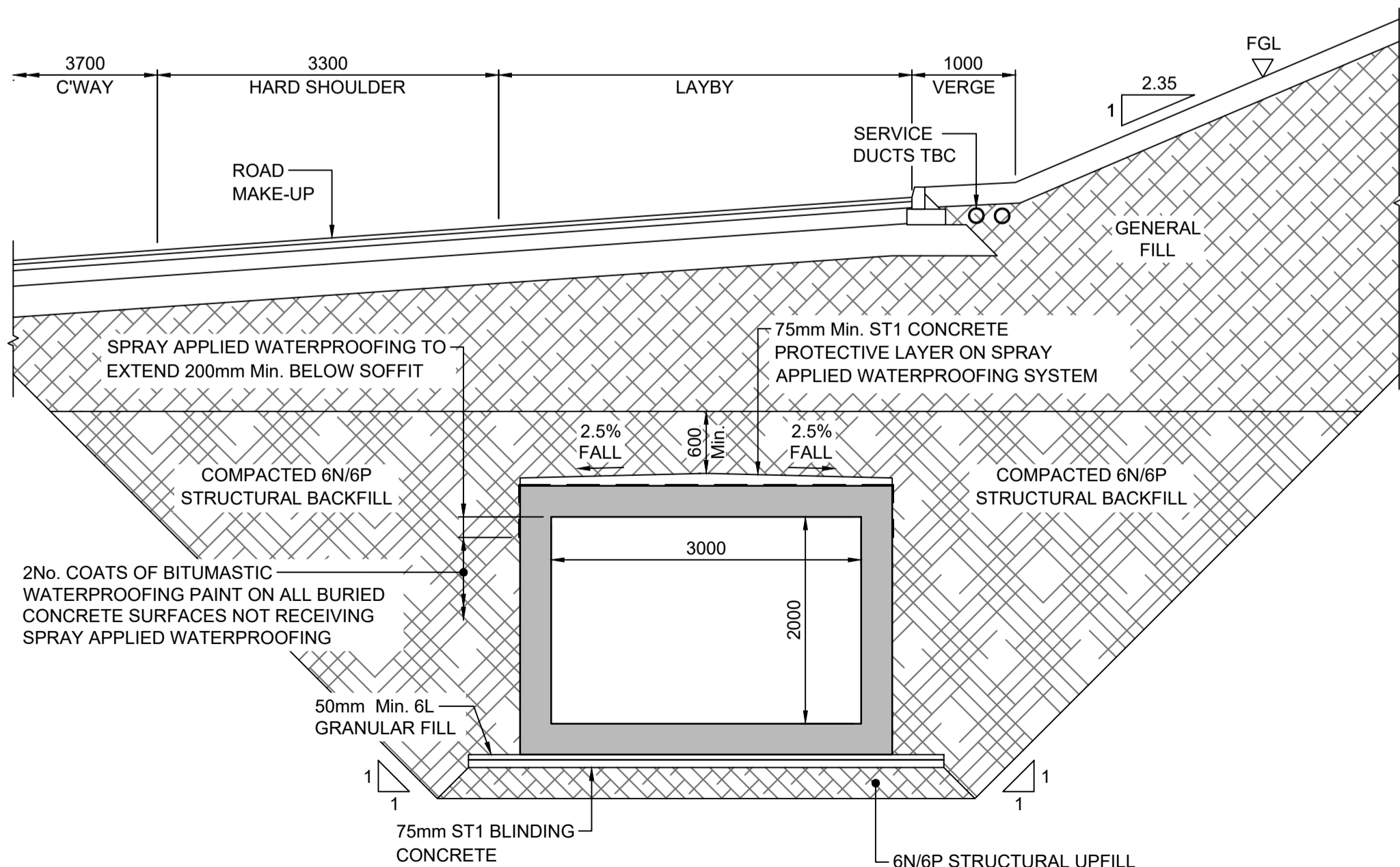
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DRAINAGE ATTENUATION TANK (S18)	HE551492-GTY-LSI-000-DR-CH-36012	0
CANTLEY LANE LINK ROAD (CH. 0 TO 955)	HE551492-GTY-LSI-000-DR-CH-36015	0
A11-A47 LINK (CH.0 TO 700) Sheet 1 of 2	HE551492-GTY-LSI-000-DR-CH-36016	<u>C020</u>
A11-A47 LINK (CH. 700 TO 1282) Sheet 2 of 2	HE551492-GTY-LSI-000-DR-CH-36017	<u>C020</u>
STRUCTURES DRAWINGS S45 CANTLEY LANE FOOTBRIDGE	HE551492-GTY-LSI-000-DR-CH-36018	0
STRUCTURES DRAWINGS S41 CANTLEY WOOD OVERBRIDGE	HE551492-GTY-LSI-000-DR-CH-36019	0
STRUCTURES DRAWINGS S42 CANTLEY WOOD LINK ROAD OVERBRIDGE	HE551492-GTY-LSI-000-DR-CH-36020	0
STRUCTURES DRAWINGS S01A CANTLEY STREAM UNDERPASS	HE551492-GTY-LSI-000-DR-CH-36021	0
STRUCTURES DRAWINGS S02 WARD'S WOOD UNDERPASS	HE551492-GTY-LSI-000-DR-CH-36022	0
STRUCTURES DRAWINGS S04 CANTLEY LANE UNDERPASS	HE551492-GTY-LSI-000-DR-CH-36023	0
STRUCTURES DRAWINGS S46 CANTLEY LANE SOUTH CULVERT	HE551492-GTY-LSI-000-DR-CH-36024	0



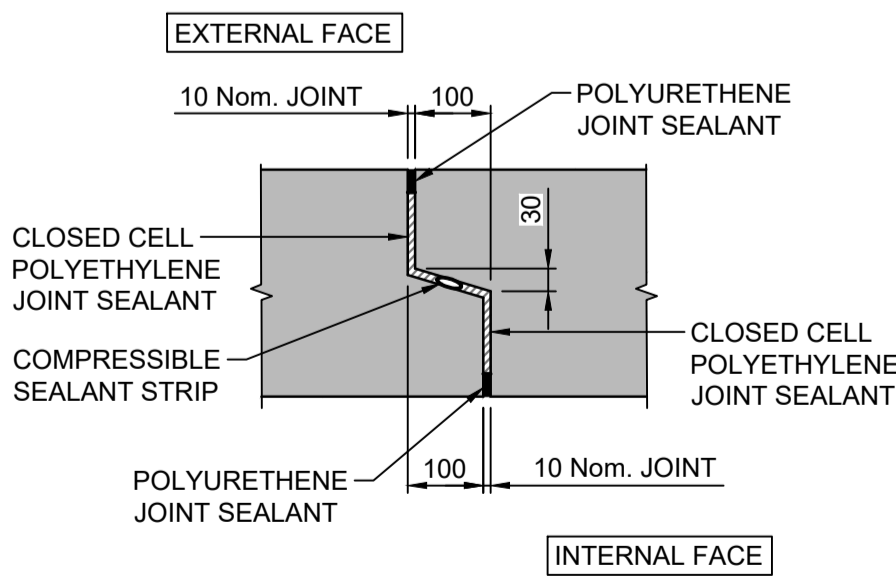
PLAN
SCALE 1:200



SECTION A-A
SCALE 1:200



SECTION B-B
SCALE 1:50



TYPICAL JOINT DETAIL BETWEEN
PRECAST TANK UNITS
SCALE 1:10

NOTES

- ALL DIMENSIONS IN MILLIMETRES UNLESS NOTED OTHERWISE.
 - ALL LEVELS IN METRES ABOVE ORDNANCE DATUM.
 - ALL STRUCTURAL DIMENSIONS & SPECIFICATIONS ARE FOR DISCUSSION ONLY AT THIS STAGE AND ARE STILL TO BE DETERMINED BASED ON FULL DETAILED DESIGN.
 - PROVISIONS FOR DUCTING AND SERVICES TO BE TAKEN OVER THE STRUCTURE ARE YET TO BE AGREED.
 - FINISHES:
(FINISHES TO SERIES 1700 OF THE SPECIFICATION FOR HIGHWAY WORKS)
PRECAST TANK SECTIONS - CLASS F4
 - MATERIALS:
BLINDING CONCRETE - ST1
PRECAST CULVERT - GRADE C50/60
- ALL STRUCTURAL CONCRETE TO INCORPORATE GGBS WITH A MINIMUM 40% REPLACEMENT, A MINIMUM CEMENT/COMBINATION CONTENT OF 360kg/m³ AND A MAXIMUM WATER/CEMENT RATIO OF 0.4.
- ALL REINFORCEMENT TO BE GRADE B500B OR B500C CONFORMING TO BS4447:2005
- WATERPROOFING TO BE SPRAY APPLIED TO TOP OF TANK AND SHALL EXTEND DOWN THE SIDES TO 200mm BELOW SOFFIT LEVEL.

2 COATS OF BITUMINOUS PAINT SHALL BE APPLIED TO ALL BURIED CONCRETE SURFACES NOT TREATED WITH SPRAY APPLIED WATERPROOFING.
 - BACKFILL TO BE CLASS 6N/6P IN ACCORDANCE WITH SERIES 600 OF THE SPECIFICATION FOR HIGHWAY WORKS.
 - FOUNDATION REQUIREMENTS TO BE CONFIRMED FOLLOWING SITE INVESTIGATION.
 - THIS DRAWING SHOWS THE PREFERRED OPTION AT THIS STAGE. THE PROPOSED WORKS WILL BE SUBJECT TO DETAILED DESIGN DEVELOPMENT. ANY CHANGES WILL BE LIMITED TO BEING WITHIN THE LIMITS OF LAND TO BE ACQUIRED OR USED PERMANENTLY AND ANY OTHER CONSTRAINT INCLUDED IN THE DEVELOPMENT CONSENT ORDER (DOCUMENT REFERENCE TR010037/APP/3.1).
 - STRUCTURES ENGINEERING DRAWINGS & SECTIONS, REGULATIONS 5(2)(O) AND 6(2) SHOULD BE READ IN CONJUNCTION WITH GENERAL ARRANGEMENT DRAWINGS (DOCUMENT REFERENCE TR010037/APP/2.2), ENGINEERING SECTION DRAWINGS (DOCUMENT REFERENCE TR010037/APP/2.7) AND ALSO WITH ALL OTHER PLANS AND DOCUMENTS INCLUDED IN THE DEVELOPMENT CONSENT ORDER APPLICATION (DOCUMENT REFERENCE TR010037/APP/3.1).

NOTES

Purpose of use

FOR DCO SUBMISSION

Development Consent Order Number / Document

TR010037/APP/2.7(A)

KEY TO SYMBOLS

DRAINAGE FILTER PIPES



DRAINAGE PRESSURE PIPE



P01	10/12/20	FIRST ISSUE	AKno	JHar	JHar
P02	15/03/21	DCO SUBMISSION	ACus	JHar	BWii
P03	30/03/21	DCO SUBMISSION	AKno	JHar	BWii
C01	30/03/21	DCO SUBMISSION	AKno	JHar	BWii
REV	DATE	REVISION NOTE	ORG	CHKD	APP'D

DESIGNER

SWECO

CONTRACTOR

GallifordTry

CLIENT

highways
england

PROJECT TITLE

A47/A11 THICKTHORN JUNCTION

PROJECT STAGE

PCF STAGE 3

DRAWING TITLE

ENGINEERING DRAWINGS
REGULATIONS 5(2)(o) & 6(2)(a)
DRAINAGE ATTENUATION TANK (S18)
GENERAL ARRANGEMENT

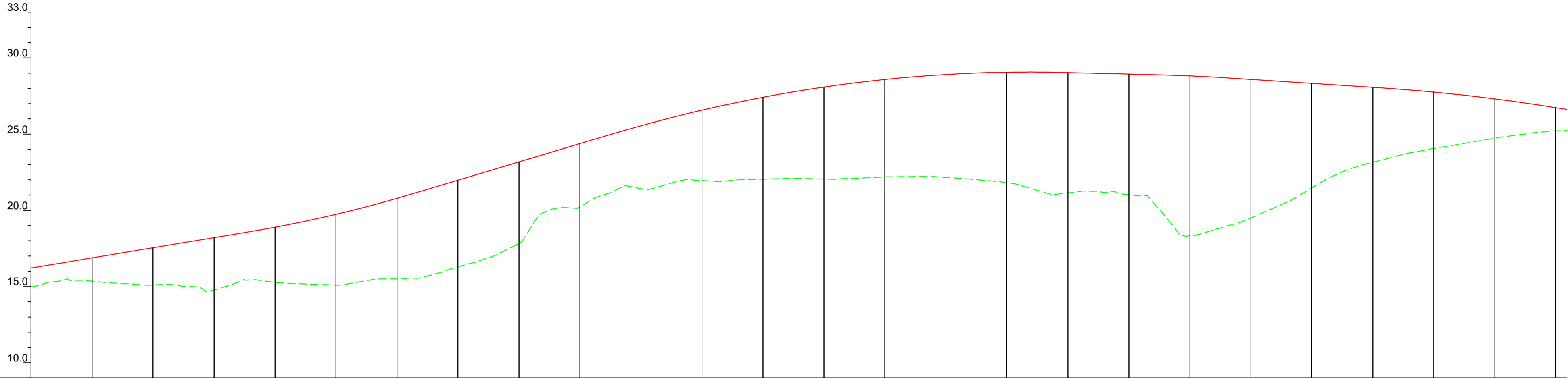
SUITABILITY

AUTHORISED AS STAGE 3 COMPLETED

SHEET SIZE	SCALE	STATUS	REVISION
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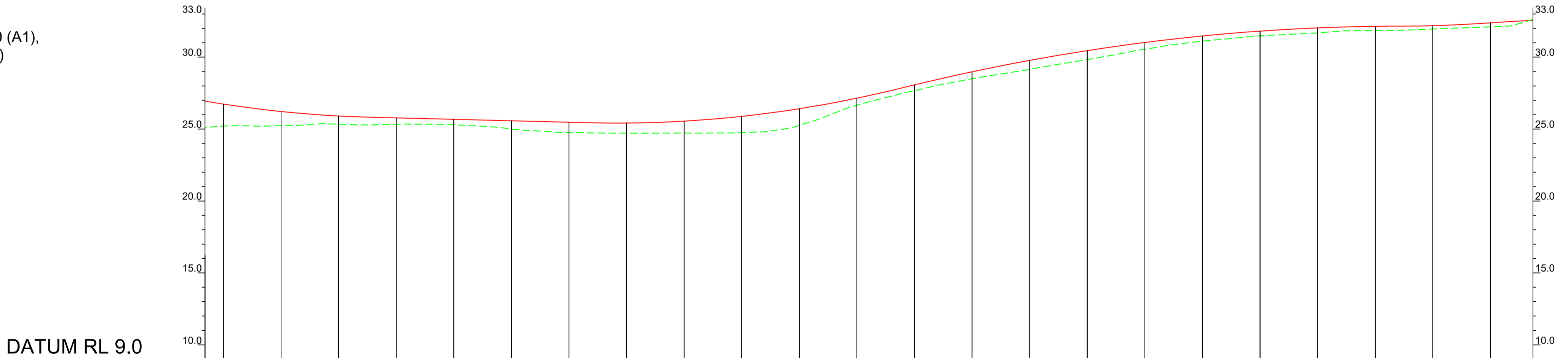
HE551492-GTY-LSI-000-DR-CH-36012



DATUM RL 9.0

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EXISTING LEVELS	-14.989	-15.348	-15.104	-14.772	-15.272	-15.097	-15.503	-16.304	-17.843	-20.226	-21.423	-21.954	-22.046	-22.052	-22.188	-22.162	-21.818	-21.140	-21.021	-18.335	-19.503	-21.476	-23.156	-24.063	-24.734	-25.212
CHAINAGE	0	20	40	60	80	100	120	140	160	180	200	220	240	260	280	300	320	340	360	380	400	420	440	460	480	500
GRADIENT		3.325	3.325	3.325	3.409	4.235	5.235	5.965	6.000	6.000	5.875	5.100	4.230	3.381	2.481	1.621	0.752	-0.116	-0.500	-0.592	-1.148	-1.300	-1.300	-1.584	-2.226	-2.886
VERTICAL DATA																										
HORIZONTAL DATA																										

Scale - Horiz 1:1000 (A1),
Vert 1:200 (A1)



DATUM RL 9.0

DESIGN LEVELS	-26.737	-26.223	-25.909	-25.776	-25.676	-25.576	-25.476	-25.420	-25.552	-25.883	-26.415	-27.147	-28.072	-28.981	-29.775	-30.455	-31.021	-31.473	-31.810	-32.033	-32.142	-32.186	-32.387	-32.566
EXISTING LEVELS	-25.212	-25.247	-25.337	-25.330	-25.297	-24.996	-24.758	-24.717	-24.724	-24.751	-25.261	-26.663	-27.671	-28.498	-29.152	-29.828	-30.551	-31.116	-31.483	-31.687	-31.848	-31.955	-32.108	-32.512
CHAINAGE	500	520	540	560	580	600	620	640	660	680	700	720	740	760	780	800	820	840	860	880	900	920	940	955
GRADIENT	-2.886	-2.571	-1.571	-0.663	-0.500	-0.500	-0.500	-0.263	0.659	1.659	2.659	3.659	4.624	4.544	3.972	3.401	2.829	2.258	1.687	1.115	0.544	0.220	1.005	1.212
VERTICAL DATA																								
HORIZONTAL DATA																								

NOTES

Purpose of use

FOR DCO SUBMISSION

Development Consent Order Number / Document

TR010037/APP/2.7(B)

- ALL DIMENSIONS AND CHAINAGES ARE IN METRES UNLESS STATED OTHERWISE.
- GENERAL ARRANGEMENT PLANS REGULATIONS 5(2)(o) TR010037/APP/2.2(B) TO 2.2(G) ARE TO BE USED AS LOCATION REFERENCE FOR SHEET SETS AS IDENTIFIED ON REGULATION 5(2)(o) DRAWING TR010037/APP/2.2(AA) AND 2.2(AB).
- ALL STRUCTURE POSITIONS ARE INDICATIVE. PLANS TO BE READ IN CONJUNCTION WITH THE DEVELOPMENT CONSENT ORDER. THE PROPOSED WORKS WILL BE SUBJECT TO DETAILED DESIGN DEVELOPMENT.
- THE HEIGHTS OF PROPOSED BRIDGES AND EMBANKMENTS AND THE DEPTH OF PROPOSED CUTTINGS ARE MARKED AS REQUIRED ON ENGINEERING SECTION DRAWINGS AND ARE INDICATIVE.

KEY TO SYMBOLS

- EXISTING LEVELS
--- PROPOSED LEVELS

P01	10/12/20	FIRST ISSUE	AKno	JHar	JHar
P02	15/03/21	DCO SUBMISSION	ACus	JHar	BWii
C01	15/03/21	DCO SUBMISSION	ACus	JHar	BWii
REV	DATE	REVISION NOTE	ORG	CHKD	APPD

DESIGNER

SWECO

CONTRACTOR

GallifordTry

CLIENT

**highways
england**

PROJECT TITLE

A47/A11 THICKTHORN JUNCTION

PROJECT STAGE

PCF STAGE 3

DRAWING TITLE

ENGINEERING DRAWINGS & LONG SECTIONS
REGULATIONS 5(2)(o) & 6(2)(a)
CANTLEY LINK ROAD (CH. 0 TO 955)
SHEET 1 OF 1

SUITABILITY

AUTHORISED AS STAGE 3 COMPLETED

SHEET SIZE

A1

SCALE

AS SHOWN

STATUS

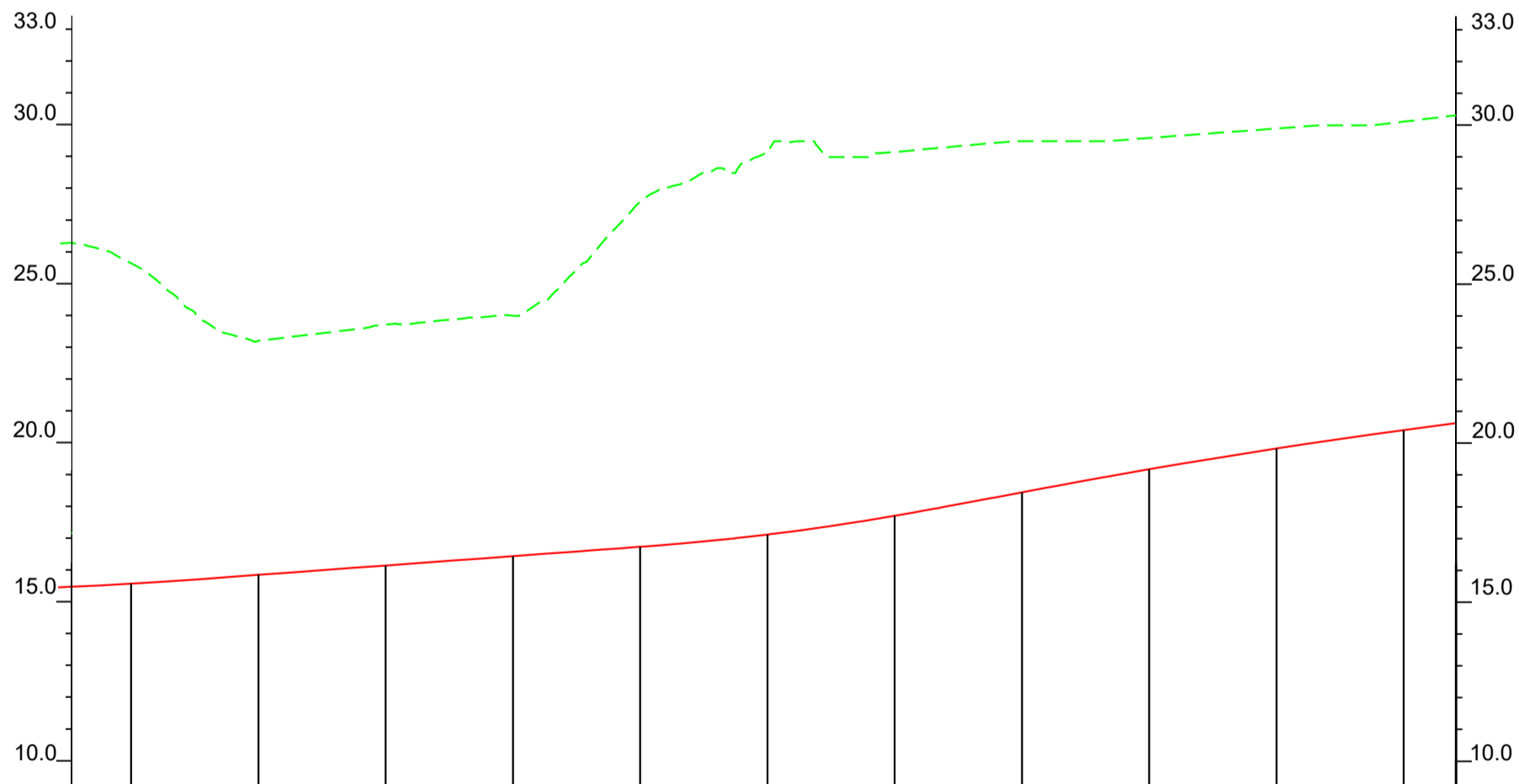
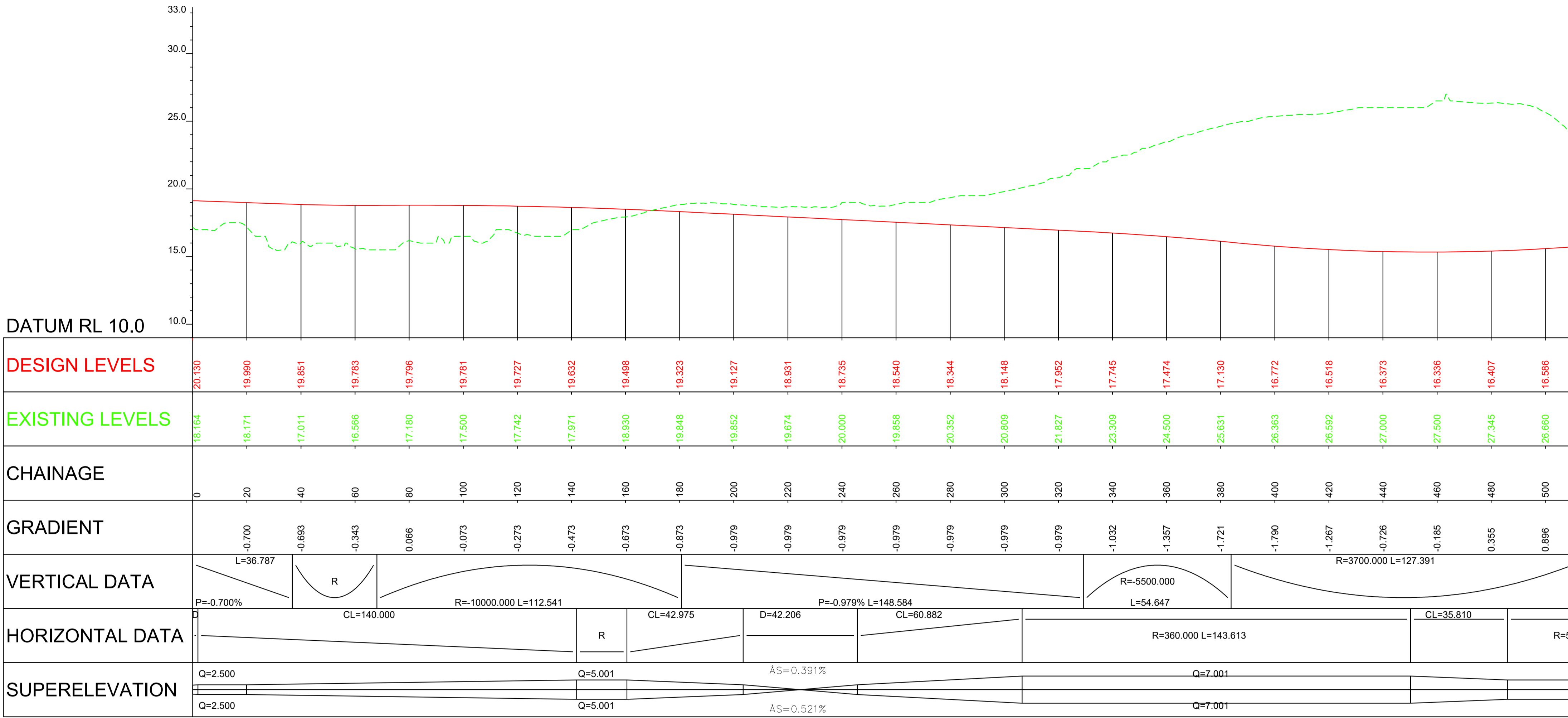
A3

REVISION

C01

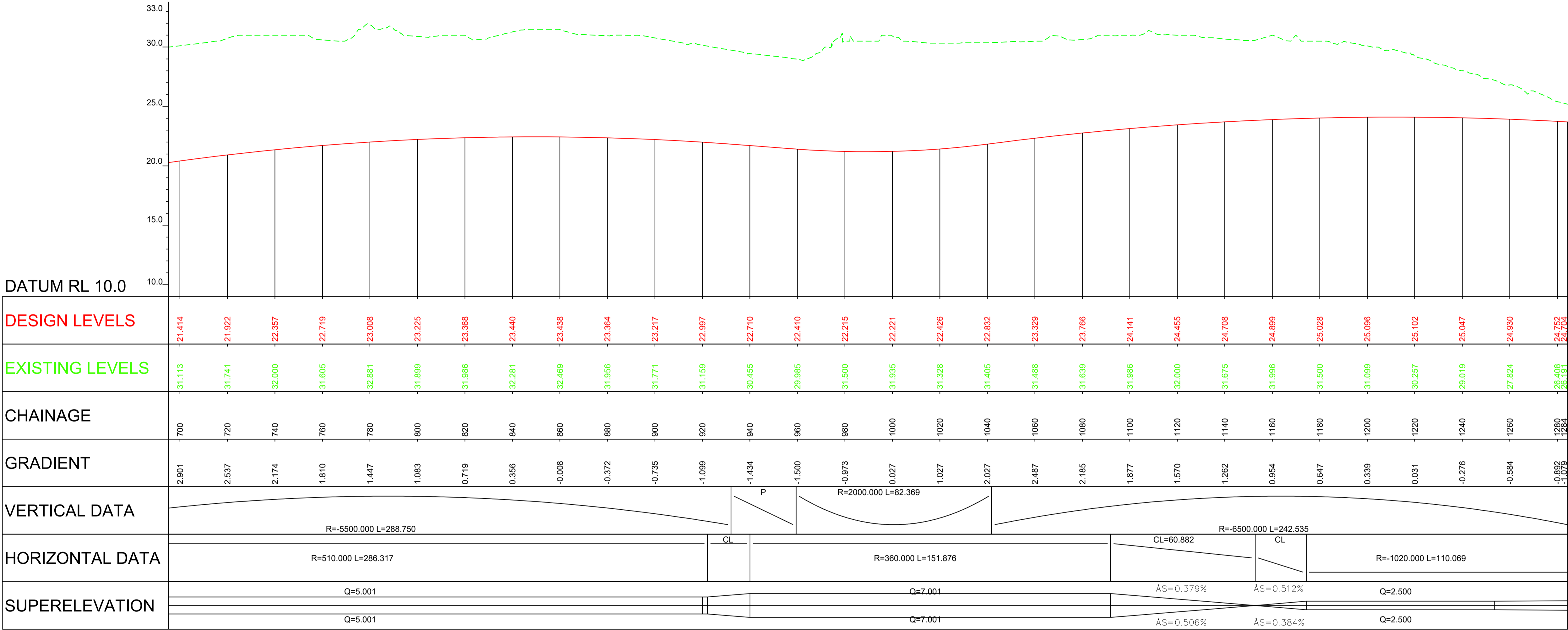
DRAWING NUMBER

HE551492-GTY-LSI-000-DR-CH-36015



Scale - Horiz 1:1000 (A1),
Vert 1:200 (A1)

NOTES					
Purpose of use					
FOR DCO SUBMISSION					
Development Consent Order Number / Document					
TR010037/APP/2.7(C)					
1. ALL DIMENSIONS AND CHAINAGES ARE IN METRES UNLESS STATED OTHERWISE.					
2. GENERAL ARRANGEMENT PLANS REGULATIONS 5(2)(o) TR010037/APP/2.2(B) TO 2.2(G) ARE TO BE USED AS LOCATION REFERENCE FOR SHEET SETS AS IDENTIFIED ON REGULATION 5(2)(o) DRAWING TR010037/APP/2.2(AA) AND 2.2(AB).					
3. ALL STRUCTURE POSITIONS ARE INDICATIVE.PLANS TO BE READ IN CONJUNCTION WITH THE DEVELOPMENT CONSENT ORDER. THE PROPOSED WORKS WILL BE SUBJECT TO DETAILED DESIGN DEVELOPMENT.					
4. THE HEIGHTS OF PROPOSED BRIDGES AND EMBANKMENTS AND THE DEPTH OF PROPOSED CUTTINGS ARE MARKED AS REQUIRED ON ENGINEERING SECTION DRAWINGS AND ARE INDICATIVE.					
KEY TO SYMBOLS					
<div><div><div></div></div>EXISTING LEVELS</div> <div><div><div></div></div>PROPOSED LEVELS</div>					
P01	10/12/20	FIRST ISSUE	AKno	JHar	JHar
P02	15/03/21	DCO SUBMISSION	ACus	JHar	Bwil
C01	15/03/21	DCO SUBMISSION	ACus	JHar	BWil
C02	11/03/21	NON-MATERIAL CHANGE	KMC	JHar	BWil
REV	DATE	REVISION NOTE	ORG	CHK'D	APP'D
DESIGNER					
<div><div>SWECO</div><div></div></div>					
CONTRACTOR					
<div><div></div><div>GallifordTry</div></div>					
CLIENT					
<div><div></div><div>highways england</div></div>					
PROJECT TITLE					
A47/A11 THICKTHORN JUNCTION					
PROJECT STAGE					
PCF STAGE 4					
DRAWING TITLE					
ENGINEERING DRAWINGS & LONG SECTIONS REGULATIONS 5(2)(o) & 6(2)(a) A11-A47 LINK (CH. 0 TO 700) SHEET 1 OF 2					
SUITABILITY					
AUTHORISED AS STAGE 3 COMPLETED					
SHEET SIZE		SCALE	STATUS	REVISION	
A1		AS SHOWN	A3	C02	
DRAWING NUMBER					
HE551492-GTY-LSI-000-DR-CH-36016					



Scale - Horiz 1:1000 (A1),
Vert 1:200 (A1)

NOTES

Purpose of use

FOR DCO SUBMISSION

Development Consent Order Number / Document

TR010037/APP/2.7(D)

- ALL DIMENSIONS AND CHAINAGES ARE IN METRES UNLESS STATED OTHERWISE.
- GENERAL ARRANGEMENT PLANS REGULATIONS 5(2)(o) TR010037/APP/2.2(B) TO 2.2(G) ARE TO BE USED AS LOCATION REFERENCE FOR SHEET SETS AS IDENTIFIED ON REGULATION 5(2)(o) DRAWING TR010037/APP/2.2(AA) AND 2.2(AB).
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- THE HEIGHTS OF PROPOSED BRIDGES AND EMBANKMENTS AND THE DEPTH OF PROPOSED CUTTINGS ARE MARKED AS REQUIRED ON ENGINEERING SECTION DRAWINGS AND ARE INDICATIVE.

KEY TO SYMBOLS

- EXISTING LEVELS
--- PROPOSED LEVELS

P01	10/12/20	FIRST ISSUE	AKno	JHar	JHar
P02	15/03/21	DCOP SUBMISSION	ACus	JHar	BWii
C01	15/03/21	DCO SUBMISSION	ACus	JHar	BWii
C02	11/03/21	NON-MATERIAL CHANGE	KMC	JHar	BWii
REV	DATE	REVISION NOTE	ORG	CHKD	APP'D

DESIGNER

SWECO

CONTRACTOR

GallifordTry

CLIENT

**highways
england**

PROJECT TITLE

A47/A11 THICKTHORN JUNCTION

PROJECT STAGE

PCF STAGE 4

DRAWING TITLE

ENGINEERING DRAWINGS & LONG SECTIONS
REGULATIONS 5(2)(o) & 6(2)(a)
A11-A47 LINK (CH. 700 TO 1282)
SHEET 2 OF 2

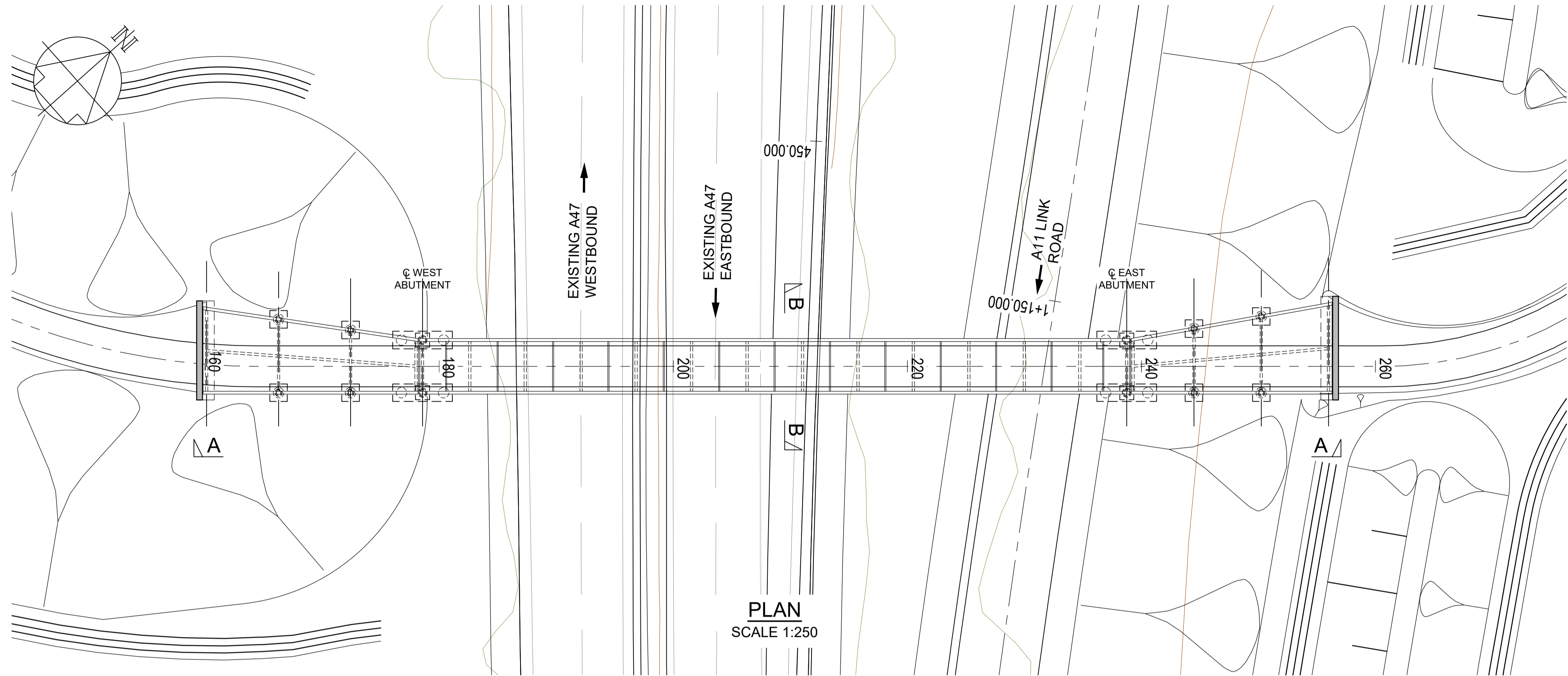
SUITABILITY

AUTHORISED AS STAGE 3 COMPLETED

SHEET SIZE	SCALE	STATUS	REVISION
A1	AS SHOWN	A3	C01

DRAWING NUMBER

HE551492-GTY-LSI-000-DR-CH-36017



NOTES CONTINUED:

5. THIS DRAWING SHOWS THE PREFERRED OPTION AT THIS STAGE. THE PROPOSED WORKS WILL BE SUBJECT TO DETAILED DESIGN DEVELOPMENT. ANY CHANGES WILL BE LIMITED TO BEING WITHIN THE LIMITS OF LAND TO BE ACQUIRED OR USED PERMANENTLY AND ANY OTHER CONSTRAINT INCLUDED IN THE DEVELOPMENT CONSENT ORDER (DOCUMENT REFERENCE TR010037/APP/3.1).

NOTES

Purpose of use

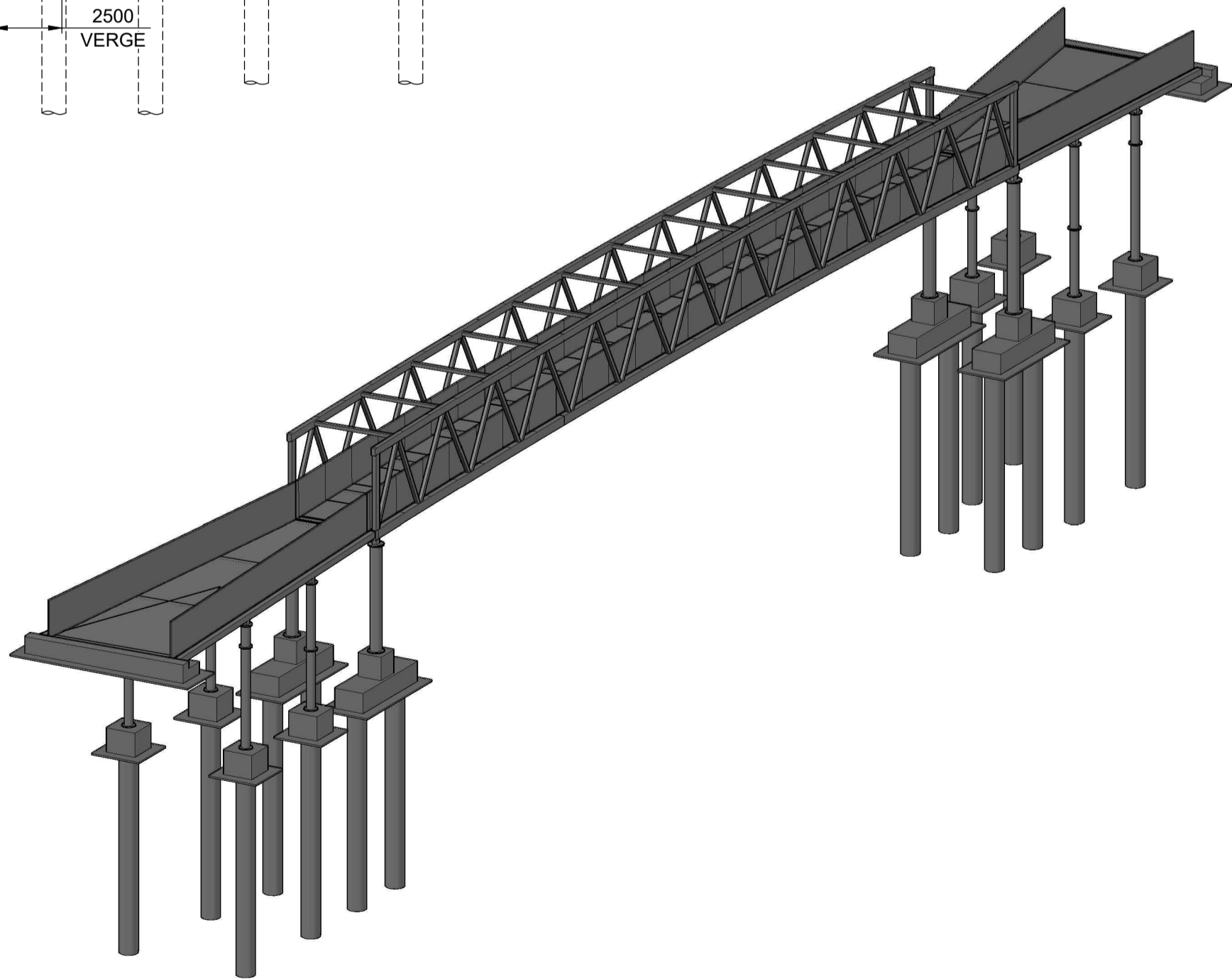
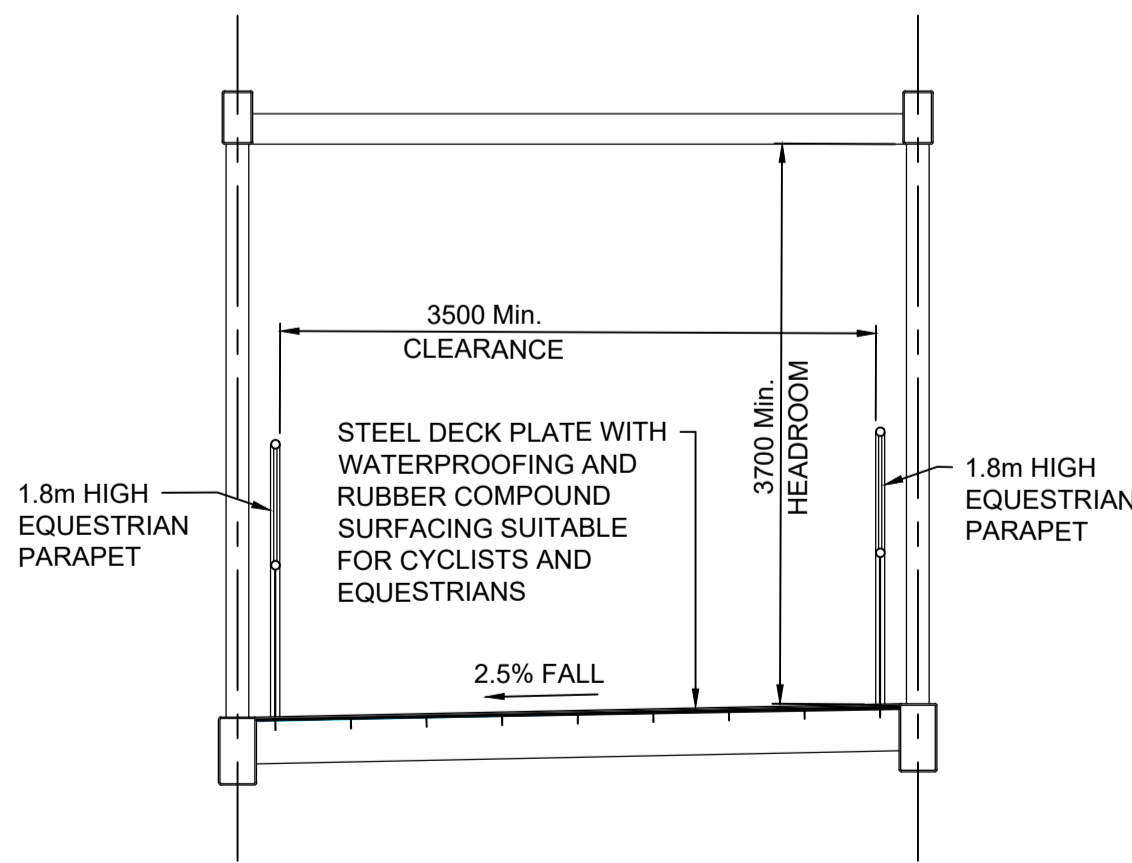
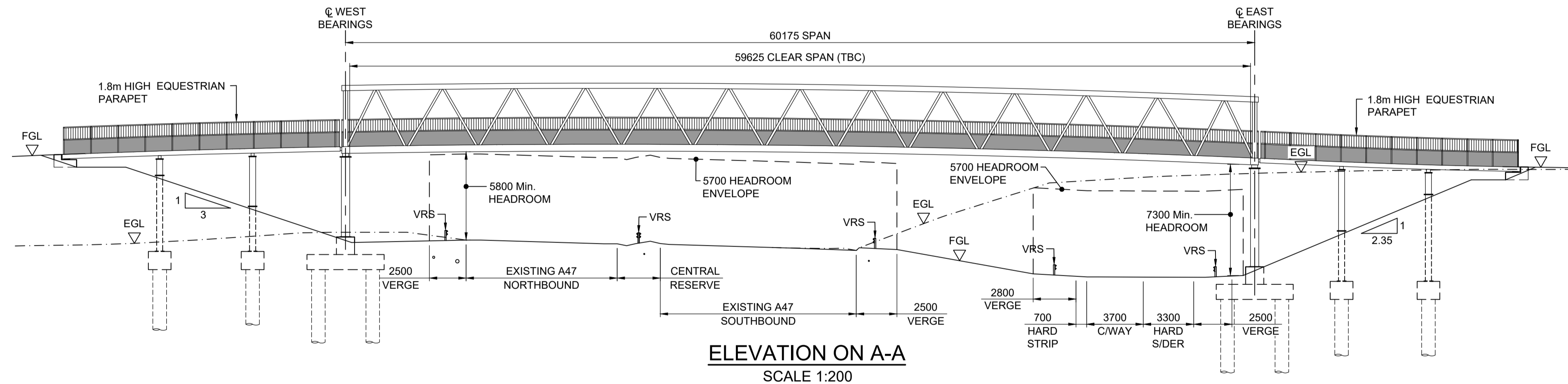
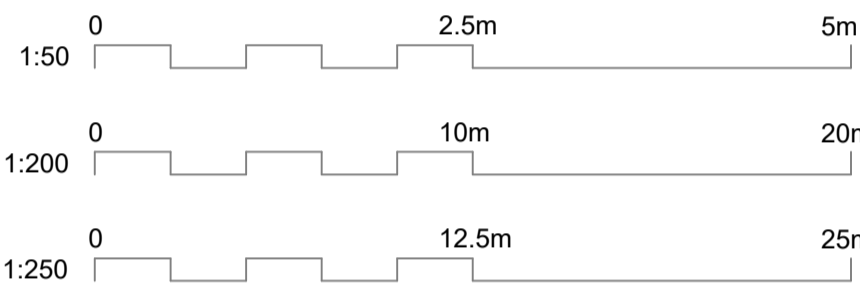
FOR DCO SUBMISSION

Development Consent Order Number / Document

TR010037/APP/2.7(E)

1. ALL DIMENSIONS IN MILLIMETRES UNLESS NOTED OTHERWISE.
2. ALL LEVELS AND CHAINAGES ARE IN METRES ABOVE ORDNANCE DATUM UNLESS NOTED OTHERWISE.
3. ALL STRUCTURE POSITIONS ARE INDICATIVE.
4. STRUCTURES ENGINEERING DRAWINGS & SECTIONS, REGULATIONS 5(2)(O) AND 6(2) SHOULD BE READ IN CONJUNCTION WITH GENERAL ARRANGEMENT DRAWINGS (DOCUMENT REFERENCE TR010037/APP/2.2), ENGINEERING SECTION DRAWINGS (DOCUMENT REFERENCE TR010037/APP/2.7) AND ALSO WITH ALL OTHER PLANS AND DOCUMENTS INCLUDED IN THE DEVELOPMENT CONSENT ORDER APPLICATION (DOCUMENT REFERENCE TR010037/APP/3.1).

KEY TO SYMBOLS



3D VIEW
SCALE 1:250

DESIGNER

SWECO

CONTRACTOR

GallifordTry

CLIENT

**highways
england**

PROJECT TITLE

A47/A11 THICKTHORN JUNCTION

PROJECT STAGE

PCF STAGE 3

DRAWING TITLE

ENGINEERING DRAWINGS
REGULATION 5(2)(o) & 6(2)(a)
STRUCTURES DRAWINGS (WORK NO. 35)
S45 CANTLEY LANE FOOTBRIDGE

SUITABILITY

AUTHORISED AS STAGE 3 COMPLETED

SHEET SIZE

A1

SCALE

AS SHOWN

STATUS

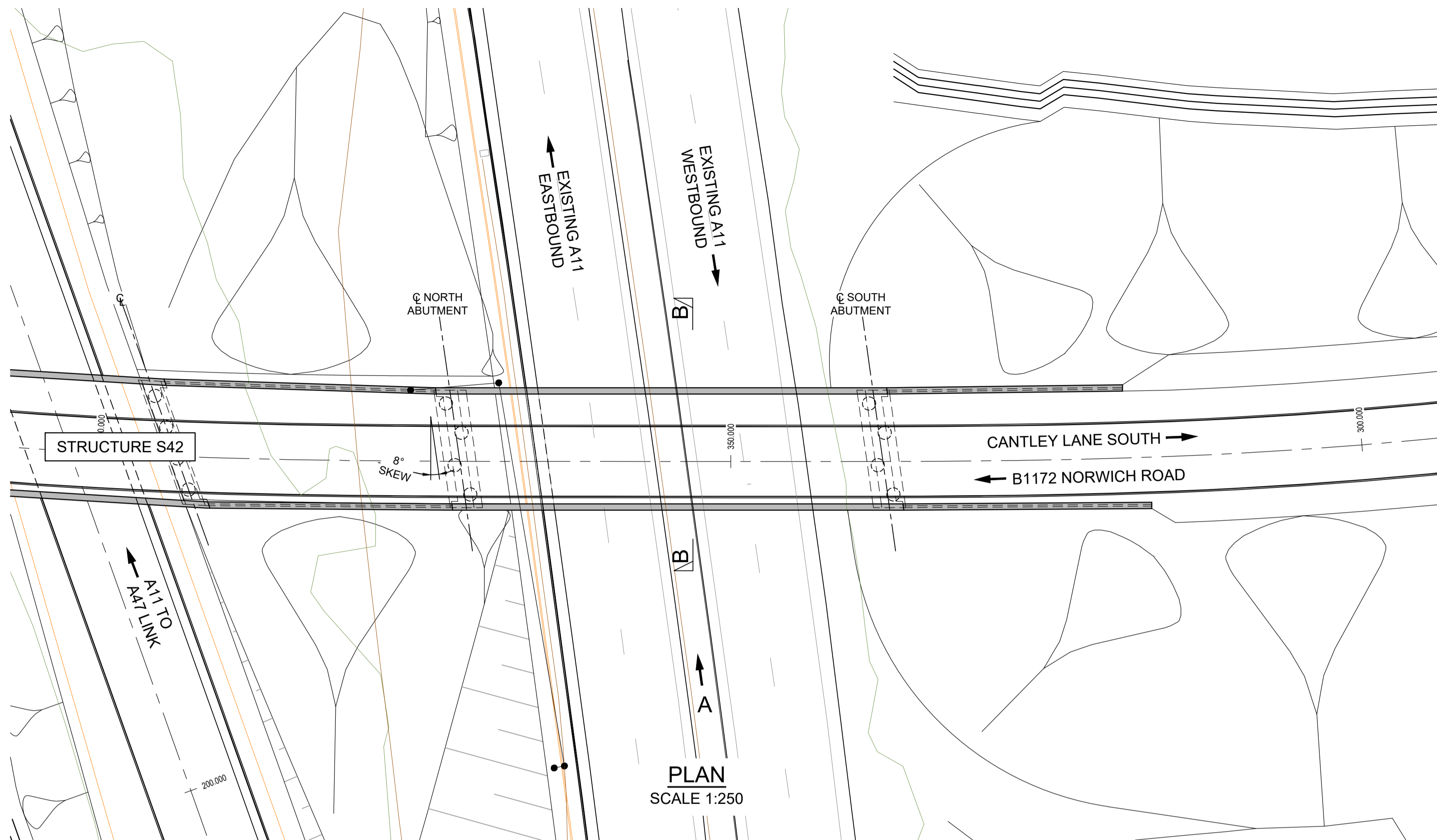
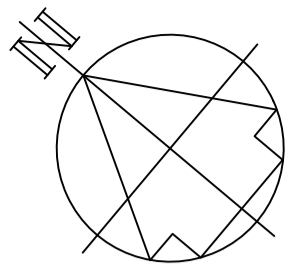
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REVISION

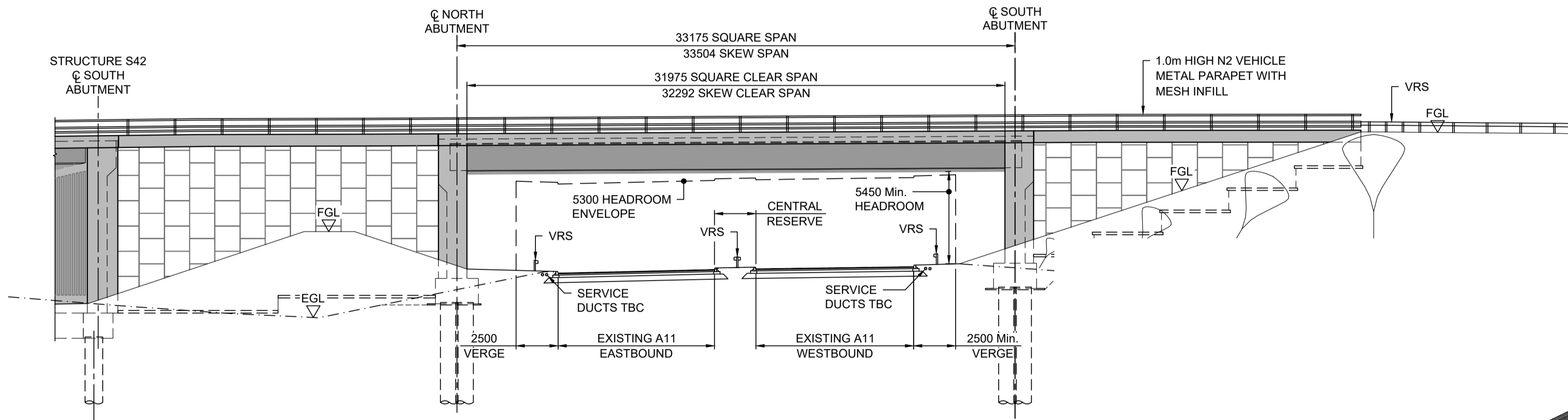
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DRAWING NUMBER

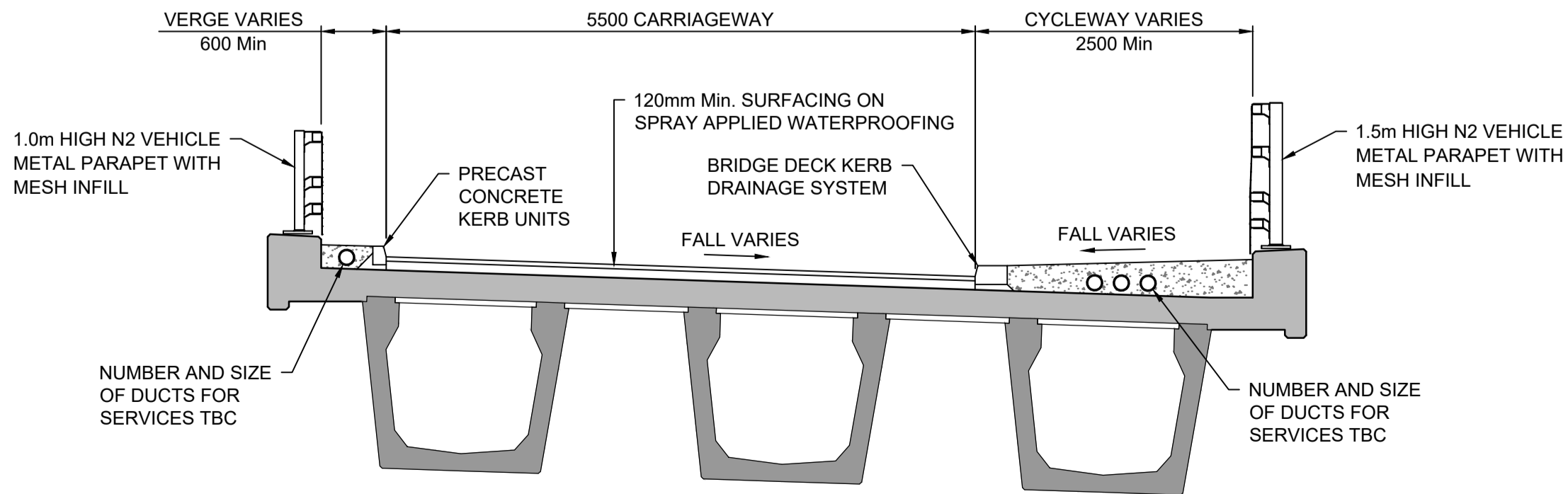
HE551492-GTY-LSI-000-DR-CH-36018



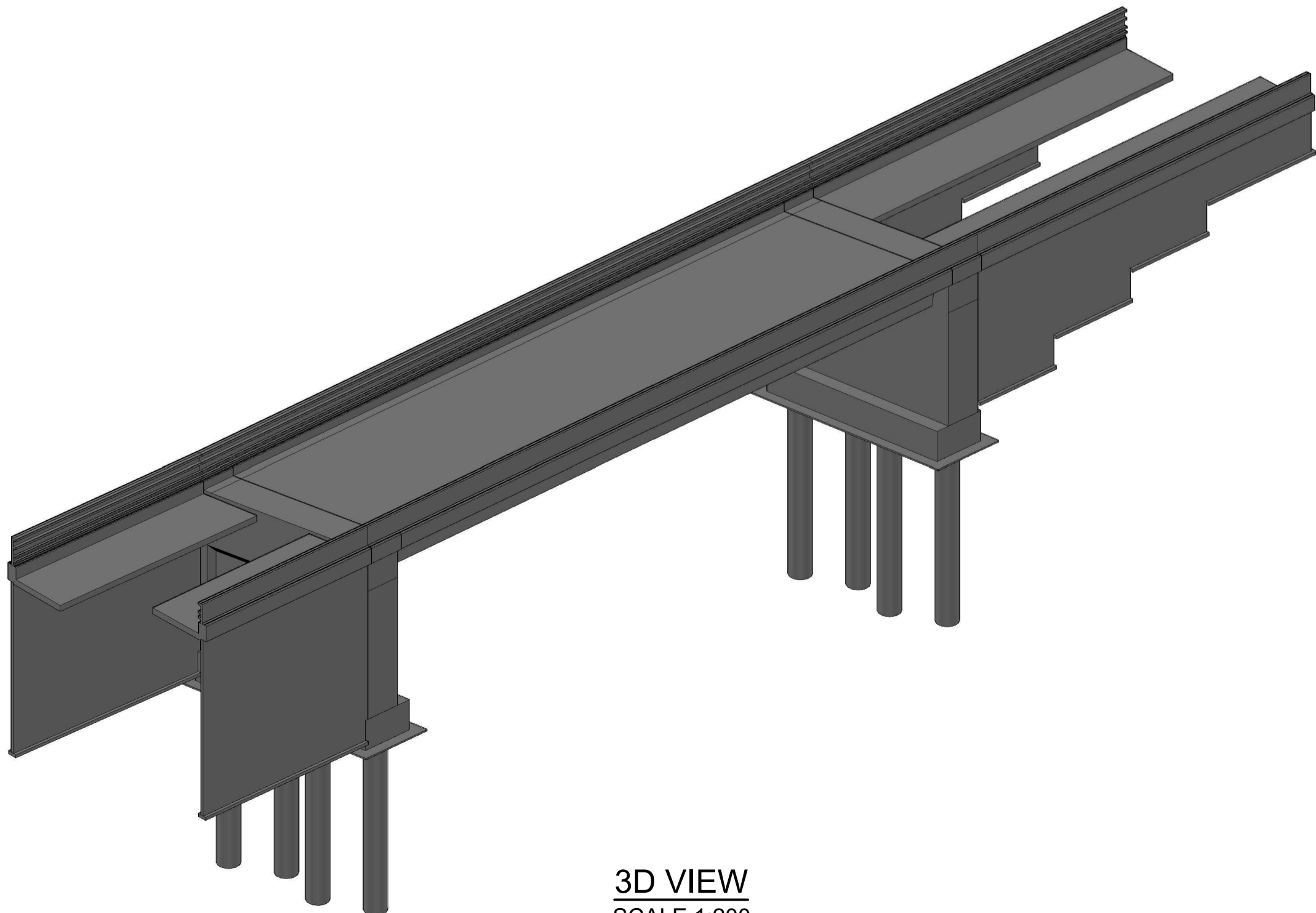
PLAN
SCALE 1:250



ELEVATION ON A
SCALE 1:200



SECTION B-B
SCALE 1:50



3D VIEW
SCALE 1:200

NOTES CONTINUED:

5. THIS DRAWING SHOWS THE PREFERRED OPTION AT THIS STAGE. THE PROPOSED WORKS WILL BE SUBJECT TO DETAILED DESIGN DEVELOPMENT. ANY CHANGES WILL BE LIMITED TO BEING WITHIN THE LIMITS OF LAND TO BE ACQUIRED OR USED PERMANENTLY AND ANY OTHER CONSTRAINT INCLUDED IN THE DEVELOPMENT CONSENT ORDER (DOCUMENT REFERENCE TR010037/APP/3.1).

NOTES

Purpose of use

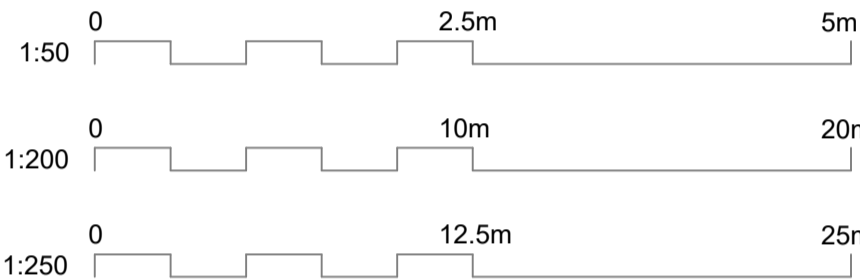
FOR DCO SUBMISSION

Development Consent Order Number / Document

TR010037/APP/2.7(F)

1. ALL DIMENSIONS IN MILLIMETRES UNLESS NOTED OTHERWISE.
2. ALL LEVELS AND CHAINAGES ARE IN METRES ABOVE ORDNANCE DATUM UNLESS NOTED OTHERWISE.
3. ALL STRUCTURE POSITIONS ARE INDICATIVE.
4. STRUCTURES ENGINEERING DRAWINGS & SECTIONS, REGULATIONS 5(2)(O) AND 6(2) SHOULD BE READ IN CONJUNCTION WITH GENERAL ARRANGEMENT DRAWINGS (DOCUMENT REFERENCE TR010037/APP/2.2), ENGINEERING SECTION DRAWINGS (DOCUMENT REFERENCE TR010037/APP/2.7) AND ALSO WITH ALL OTHER PLANS AND DOCUMENTS INCLUDED IN THE DEVELOPMENT CONSENT ORDER APPLICATION (DOCUMENT REFERENCE TR010037/APP/3.1).

KEY TO SYMBOLS



P01	10/12/20	FIRST ISSUE	AKno	JHar	JHar
P02	15/03/21	DCO SUBMISSION	ACus	JHar	BWii
C01	15/03/21	DCO SUBMISSION	ACus	JHar	BWii
REV	DATE	REVISION NOTE	ORG	CHKD	APP'D

DESIGNER

SWECO

CONTRACTOR

GallifordTry

CLIENT

highways
england

PROJECT TITLE

A47/A11 THICKTHORN JUNCTION

PROJECT STAGE

PCF STAGE 3

DRAWING TITLE

ENGINEERING DRAWINGS
REGULATION 5(2)(o) & 6(2)(a)
STRUCTURES DRAWINGS
S41 CANTLEY WOOD OVERBRIDGE

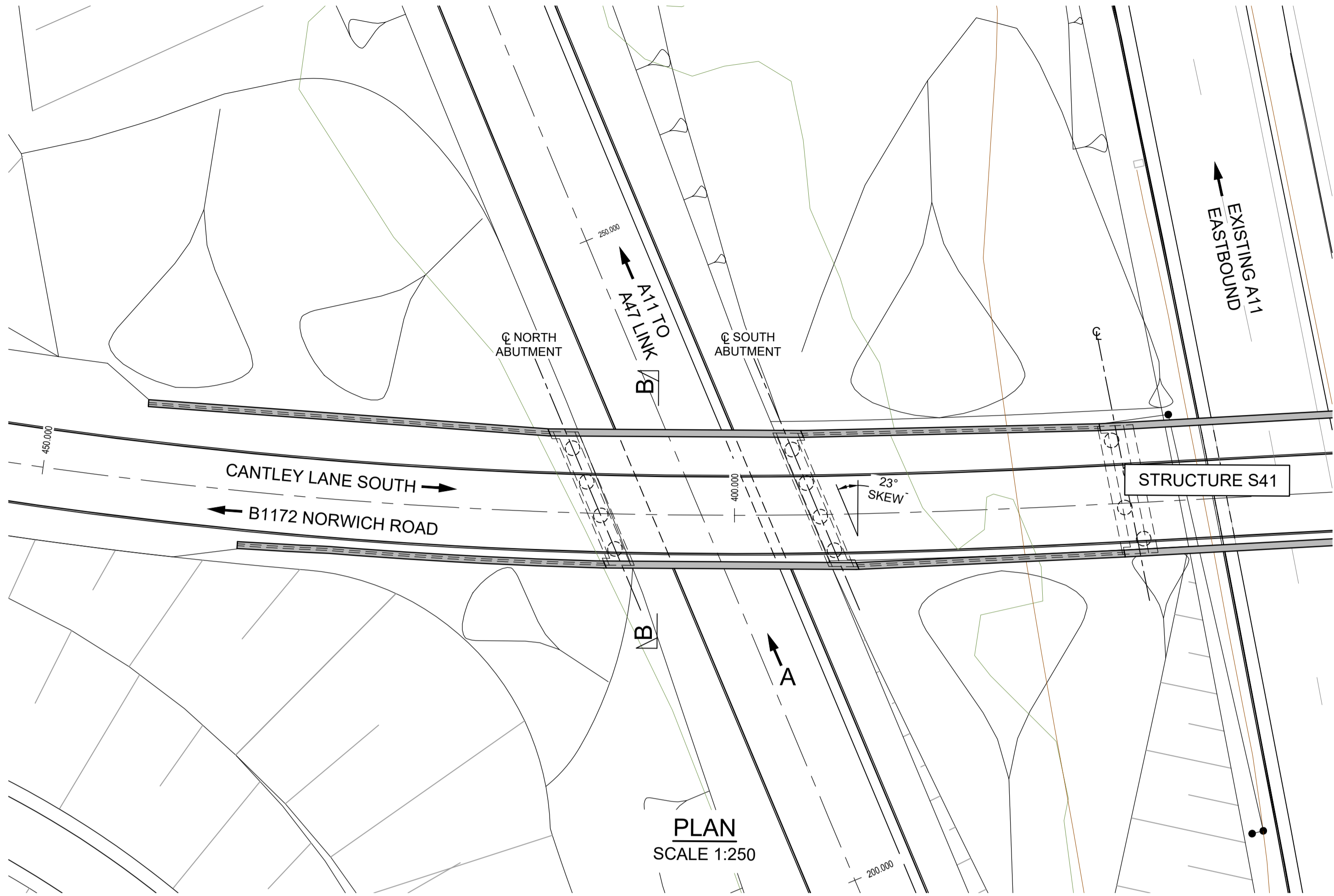
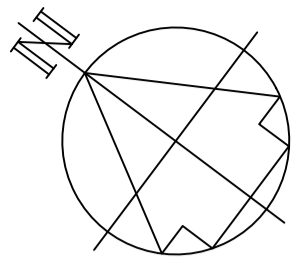
SUITABILITY

AUTHORISED AS STAGE 3 COMPLETED

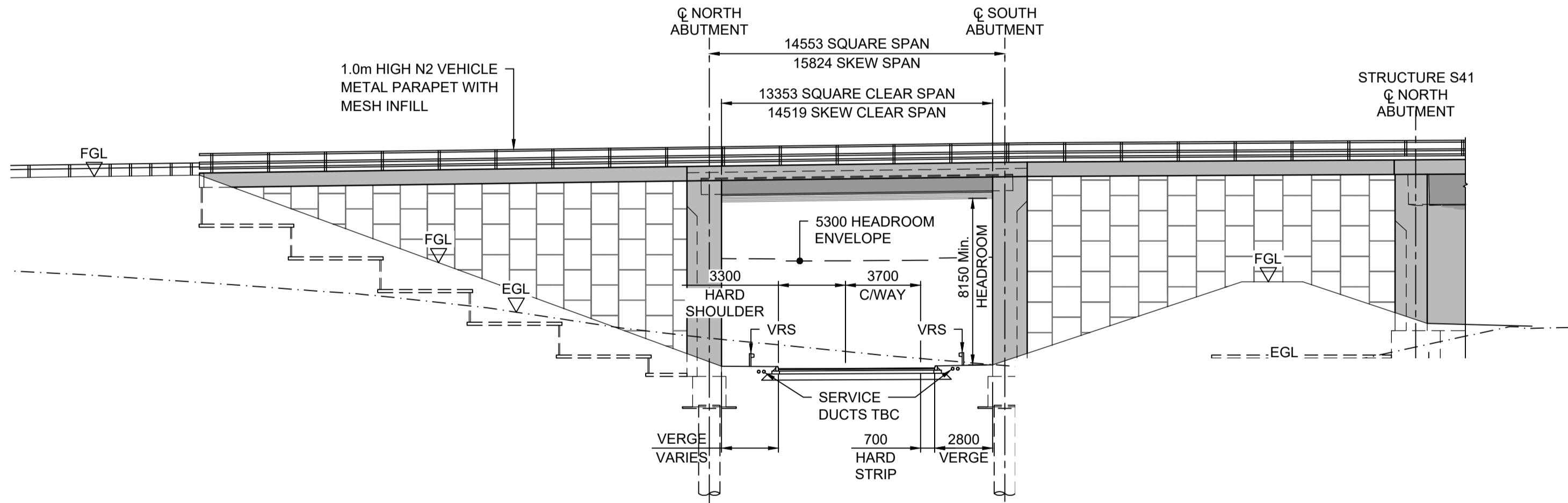
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A1	AS SHOWN	A3	C01

DRAWING NUMBER

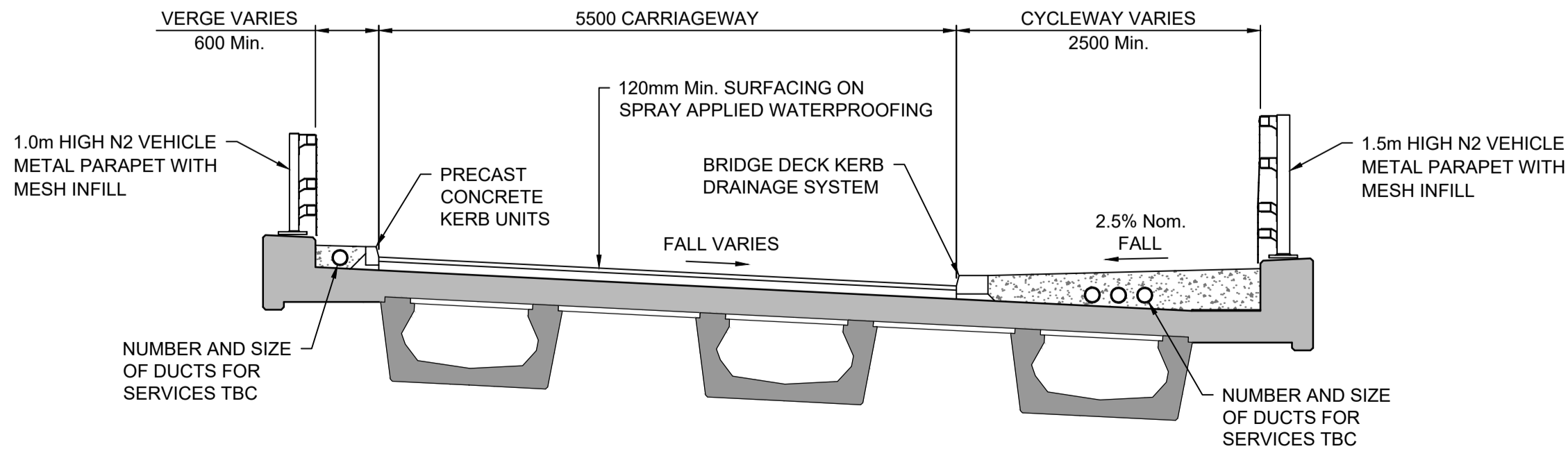
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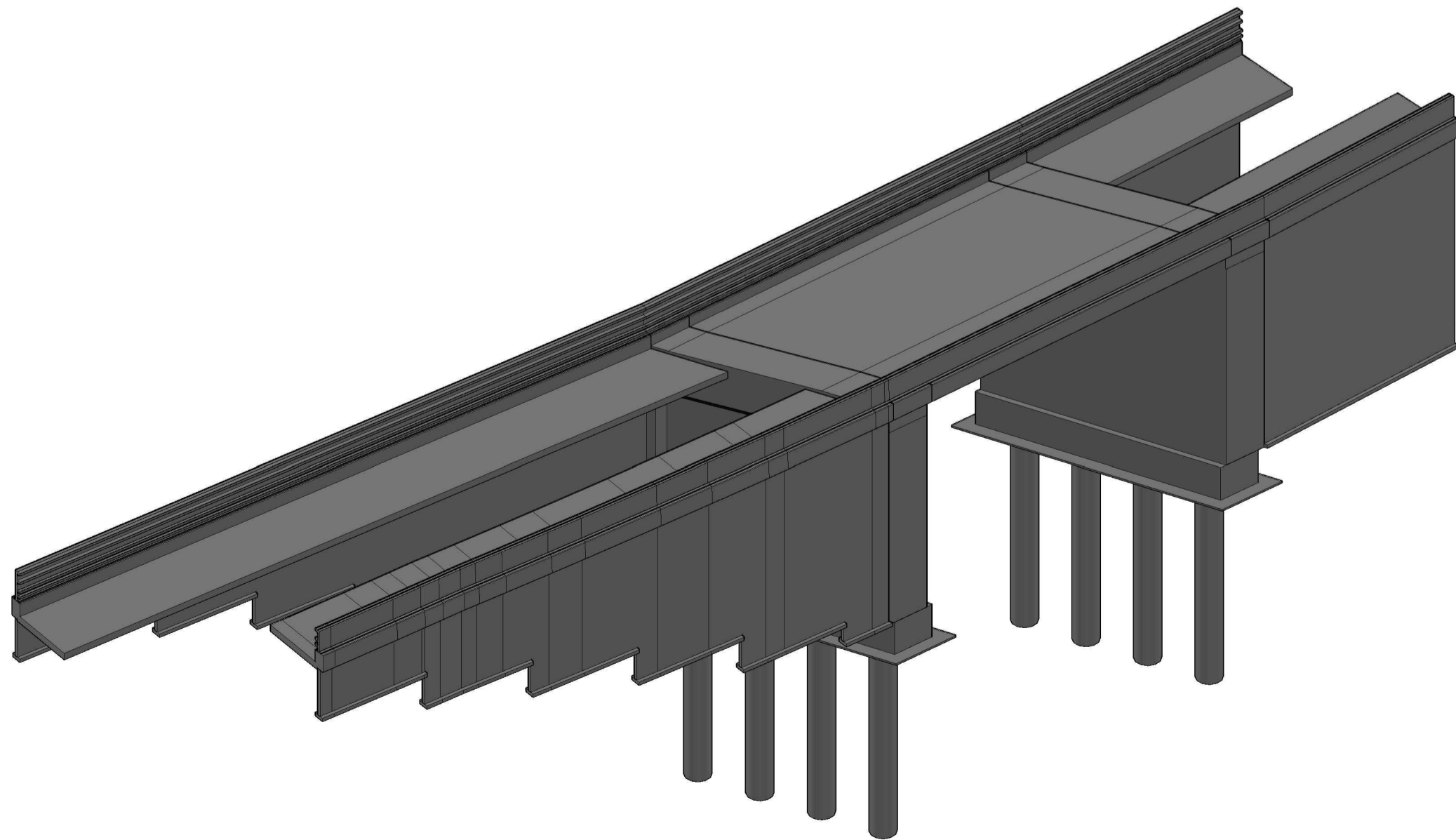
PLAN
SCALE 1:250



ELEVATION ON A
SCALE 1:200



SECTION B-B
SCALE 1:50



3D VIEW
SCALE 1:200

NOTES CONTINUED:

5. THIS DRAWING SHOWS THE PREFERRED OPTION AT THIS STAGE. THE PROPOSED WORKS WILL BE SUBJECT TO DETAILED DESIGN DEVELOPMENT. ANY CHANGES WILL BE LIMITED TO BEING WITHIN THE LIMITS OF LAND TO BE ACQUIRED OR USED PERMANENTLY AND ANY OTHER CONSTRAINT INCLUDED IN THE DEVELOPMENT CONSENT ORDER (DOCUMENT REFERENCE TR010037/APP/3.1).

NOTES

Purpose of use

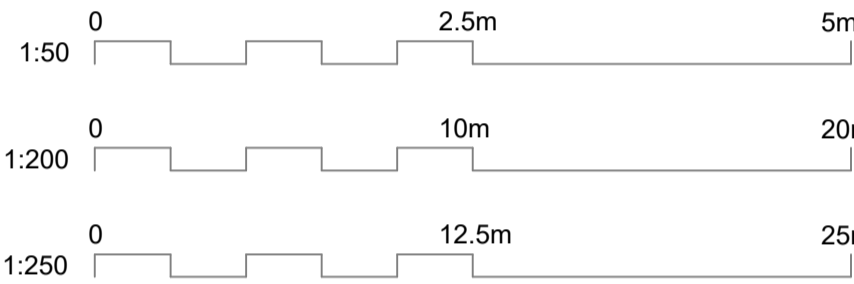
FOR DCO SUBMISSION

Development Consent Order Number / Document

TR010037/APP/2.7(G)

- ALL DIMENSIONS IN MILLIMETRES UNLESS NOTED OTHERWISE.
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KEY TO SYMBOLS



P01	10/12/20	FIRST ISSUE	AKno	JHar	JHar
P02	15/03/21	DCO SUBMISSION	ACus	JHar	BWii
C01	15/03/21	DCO SUBMISSION	ACus	JHar	BWii
REV	DATE	REVISION NOTE	ORG	CHKD	APP'D

DESIGNER

SWECO

CONTRACTOR

GallifordTry

CLIENT

highways
england

PROJECT TITLE

A47/A11 THICKTHORN JUNCTION

PROJECT STAGE

PCF STAGE 3

DRAWING TITLE

ENGINEERING DRAWINGS
REGULATION 5(2)(o) & 6(2)(a)
STRUCTURES DRAWINGS
S42 CANTLEY WOOD LINK ROAD OVERBRIDGE

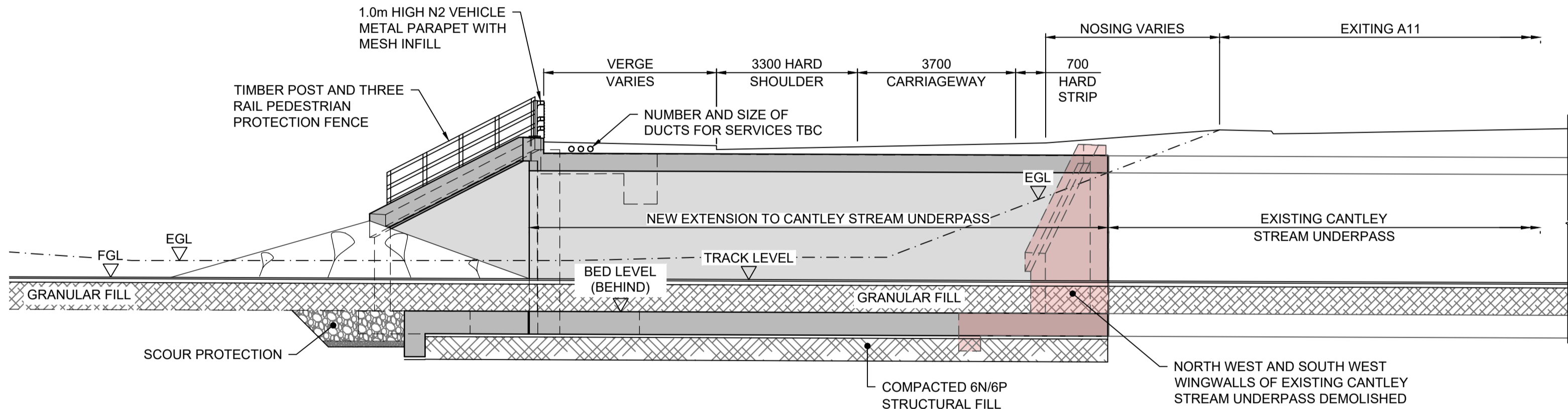
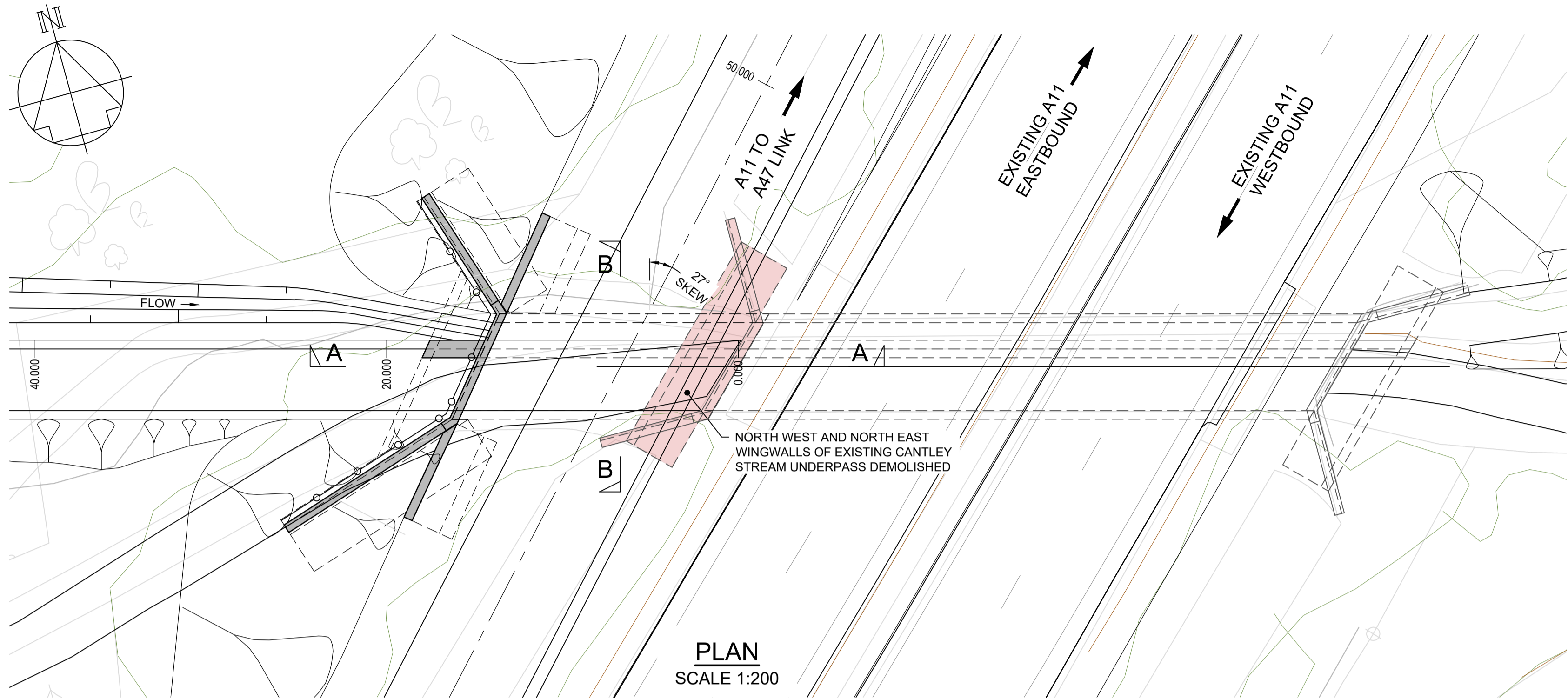
SUITABILITY

AUTHORISED AS STAGE 3 COMPLETED

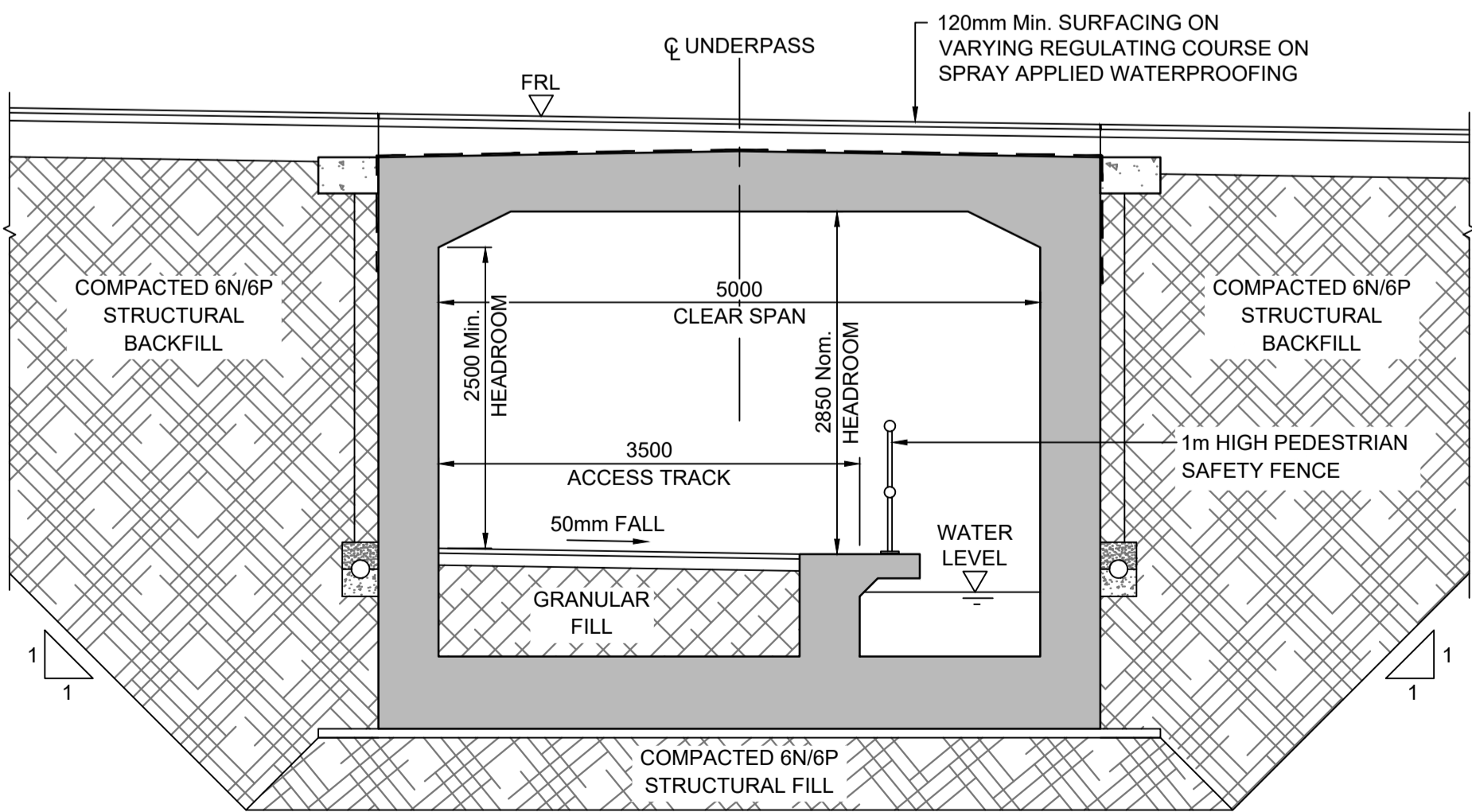
SHEET SIZE	SCALE	STATUS	REVISION
A1	AS SHOWN	A3	C01

DRAWING NUMBER

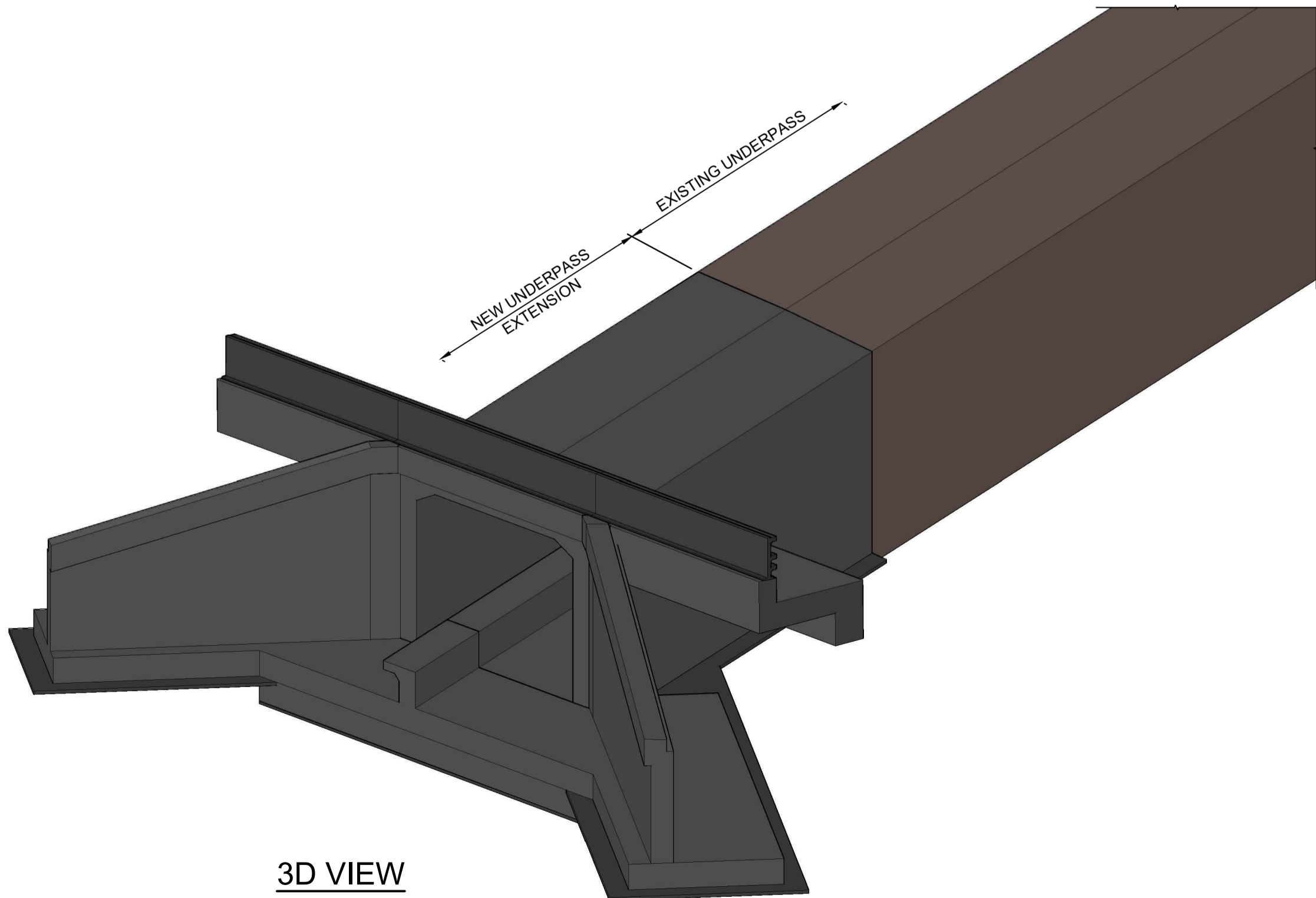
HE551492-GTY-LSI-000-DR-CH-36020



SECTION A-A
SCALE 1:100



TYPICAL SECTION B-B
SCALE 1:50



3D VIEW
SCALE 1:100

NOTES

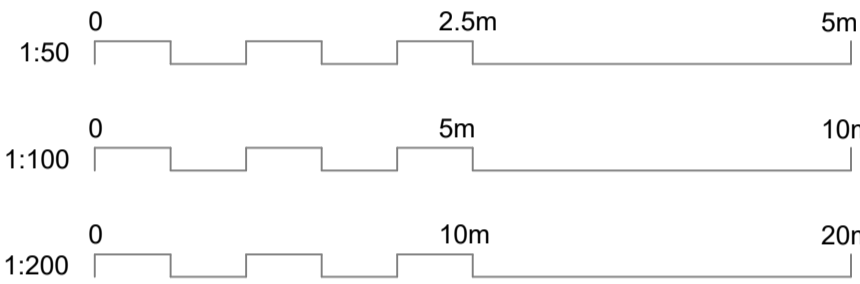
Purpose of use

FOR DCO SUBMISSION

Development Consent Order Number / Document

TR010037/APP/2.7(H)

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P01	10/12/20	FIRST ISSUE	AKno	JHar	JHar
P02	15/03/21	DCO SUBMISSION	ACus	JHar	BWii
C01	15/03/21	DCO SUBMISSION	ACus	JHar	BWii
REV	DATE	REVISION NOTE	ORG	CHKD	APPD

DESIGNER

SWECO

CONTRACTOR

GallifordTry

CLIENT

**highways
england**

PROJECT TITLE

A47/A11 THICKTHORN JUNCTION

PROJECT STAGE

PCF STAGE 3

DRAWING TITLE

GENERAL ARRANGEMENT PLANS
REGULATION 5(2)(o) & 6(2)(a)
STRUCTURES DRAWINGS
S01A CANTLEY STREAM UNDERPASS

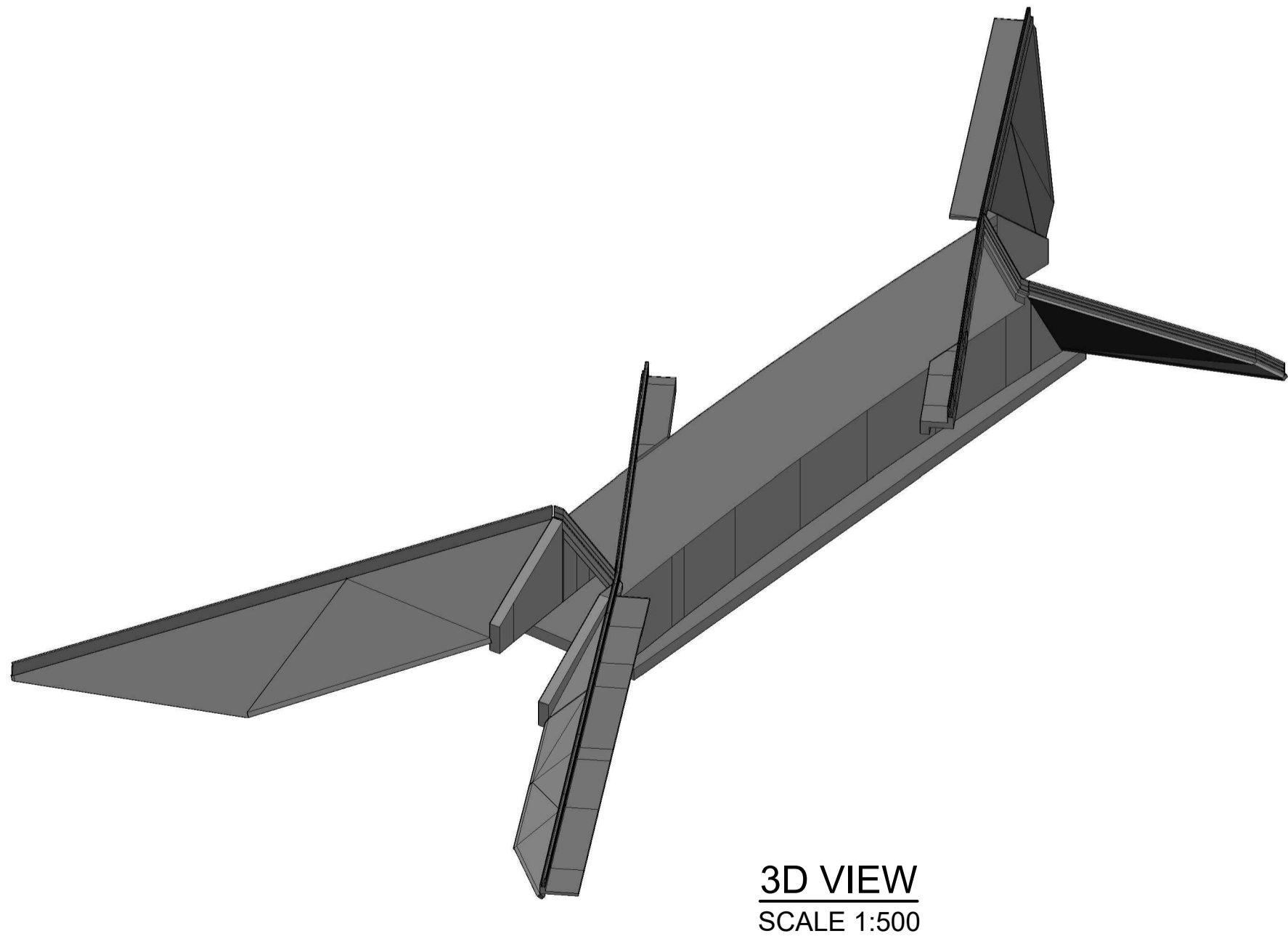
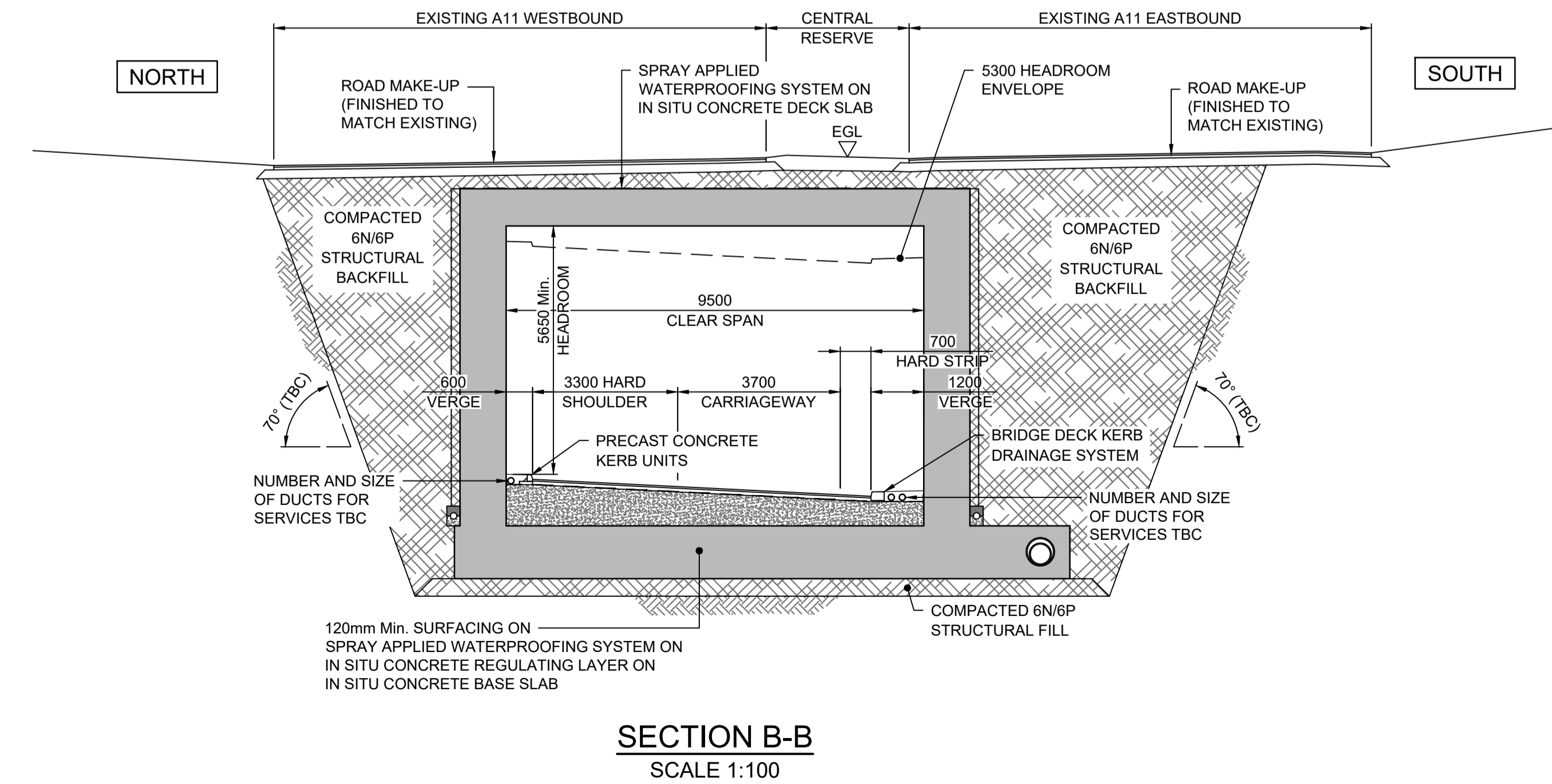
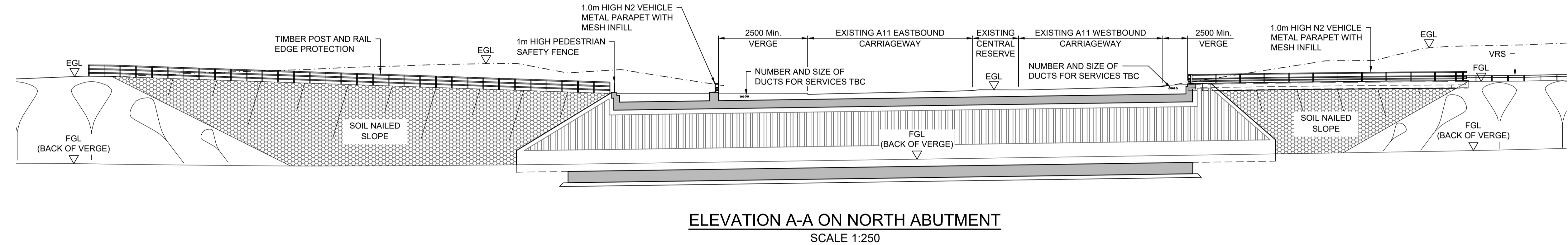
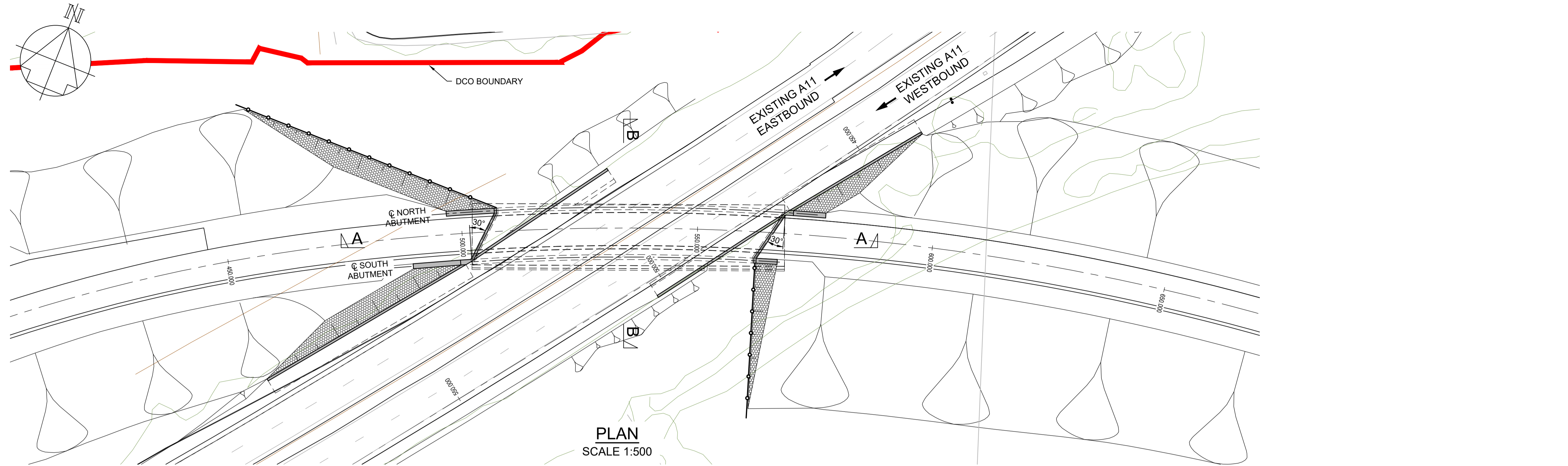
SUITABILITY

AUTHORISED AS STAGE 3 COMPLETED

SHEET SIZE	SCALE	STATUS	REVISION
A1	AS SHOWN	A3	C01

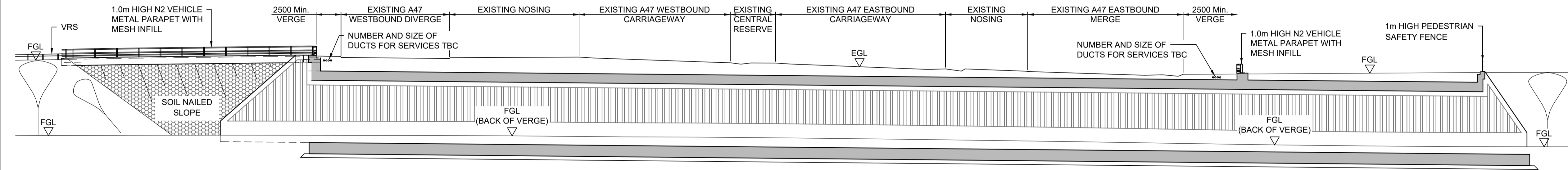
DRAWING NUMBER

HE551492-GTY-LSI-000-DR-CH-36021



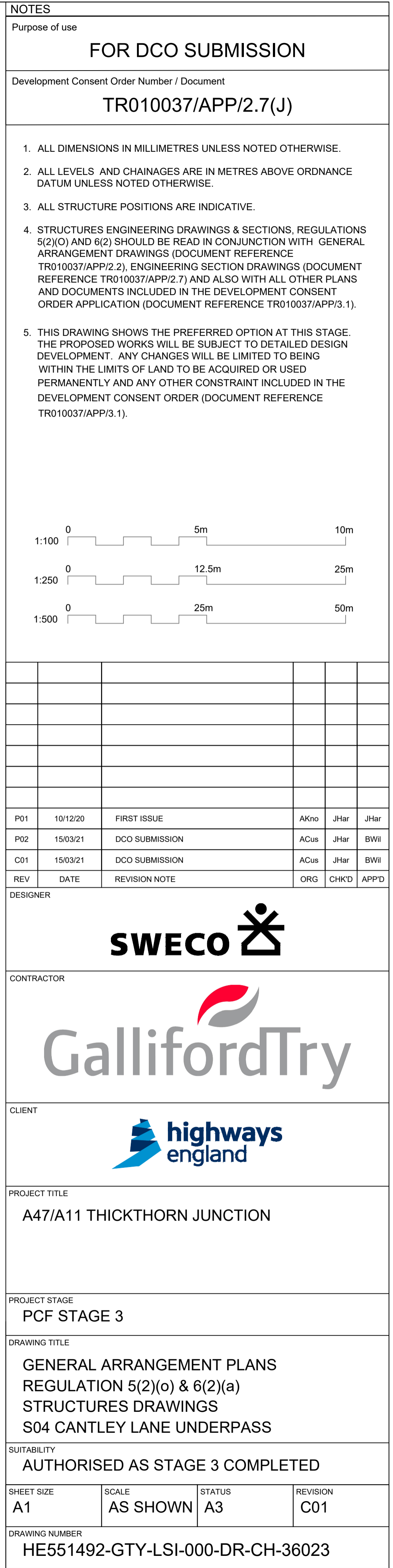
NOTES			
Purpose of use			
FOR DCO SUBMISSION			
Development Consent Order Number / Document			
TR010037/APP/2.7(I)			
<div>1. ALL DIMENSIONS IN MILLIMETRES UNLESS NOTED OTHERWISE.</div> <div>2. ALL LEVELS AND CHAINAGES ARE IN METRES ABOVE ORDNANCE DATUM UNLESS NOTED OTHERWISE.</div> <div>3. ALL STRUCTURE POSITIONS ARE INDICATIVE.</div> <div>4. STRUCTURES ENGINEERING DRAWINGS & SECTIONS, REGULATIONS 5(2)(O) AND 6(2) SHOULD BE READ IN CONJUNCTION WITH GENERAL ARRANGEMENT DRAWINGS (DOCUMENT REFERENCE TR010037/APP/2.2), ENGINEERING SECTION DRAWINGS (DOCUMENT REFERENCE TR010037/APP/2.7) AND ALSO WITH ALL OTHER PLANS AND DOCUMENTS INCLUDED IN THE DEVELOPMENT CONSENT ORDER APPLICATION (DOCUMENT REFERENCE TR010037/APP/3.1).</div> <div>5. THIS DRAWING SHOWS THE PREFERRED OPTION AT THIS STAGE. THE PROPOSED WORKS WILL BE SUBJECT TO DETAILED DESIGN DEVELOPMENT. ANY CHANGES WILL BE LIMITED TO BEING WITHIN THE LIMITS OF LAND TO BE ACQUIRED OR USED PERMANENTLY AND ANY OTHER CONSTRAINT INCLUDED IN THE DEVELOPMENT CONSENT ORDER (DOCUMENT REFERENCE TR010037/APP/3.1).</div>			
KEY TO SYMBOLS			
<div><div></div>DCO BOUNDARY</div> <div>1:100<div>05m10m</div></div> <div>1:250<div>012.5m25m</div></div> <div>1:500<div>025m50m</div></div>			
P01	10/12/20	FIRST ISSUE	AKnoJHarJHar
P02	15/03/21	DCO SUBMISSION	ACusJHarBWii
C01	15/03/21	DCO SUBMISSION	ACusJHarBWii
REV	DATE	REVISION NOTE	ORGCHKDAPPD
DESIGNER			
SWECO			
CONTRACTOR			
GallifordTry			
CLIENT			
highways england			
PROJECT TITLE			
A47/A11 THICKTHORN JUNCTION			
PROJECT STAGE			
PCF STAGE 3			
DRAWING TITLE			
GENERAL ARRANGEMENT PLANS REGULATION 5(2)(o) & 6(2)(a) STRUCTURES DRAWINGS S02 WARD'S WOOD UNDERPASS			
SUITABILITY			
AUTHORISED AS STAGE 3 COMPLETED			
SHEET SIZE	SCALE	STATUS	REVISION
A1	AS SHOWN	A3	C01
DRAWING NUMBER			
HE551492-GTY-LSI-000-DR-CH-36022			

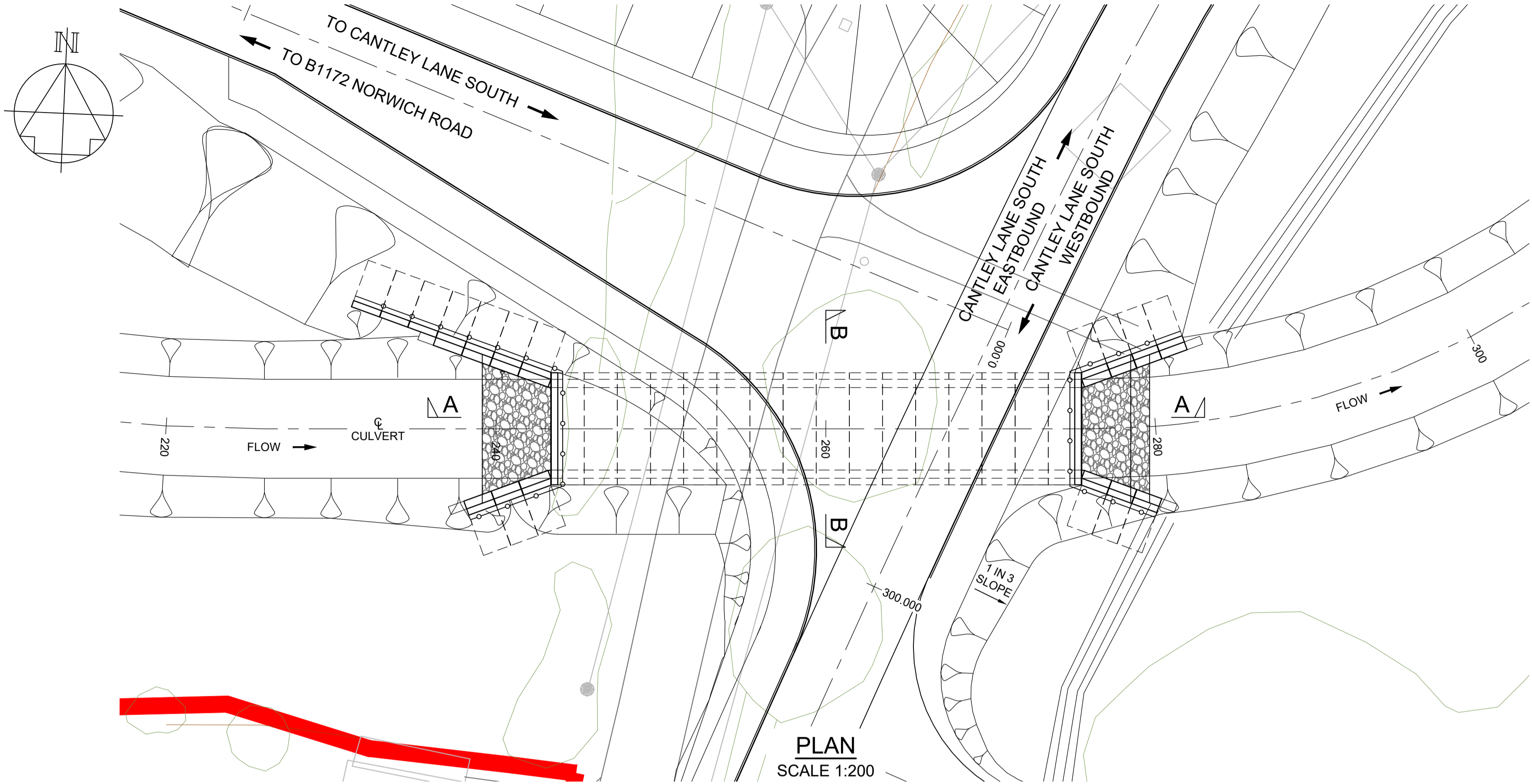
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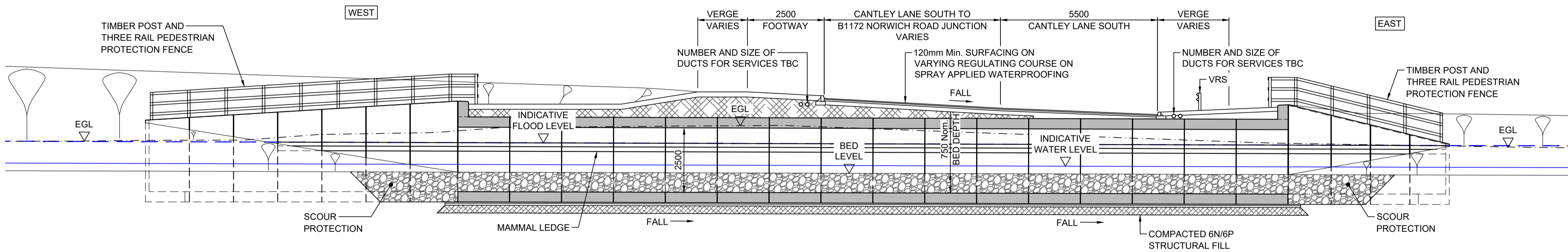
SECTION B-B

SCALE 1:100

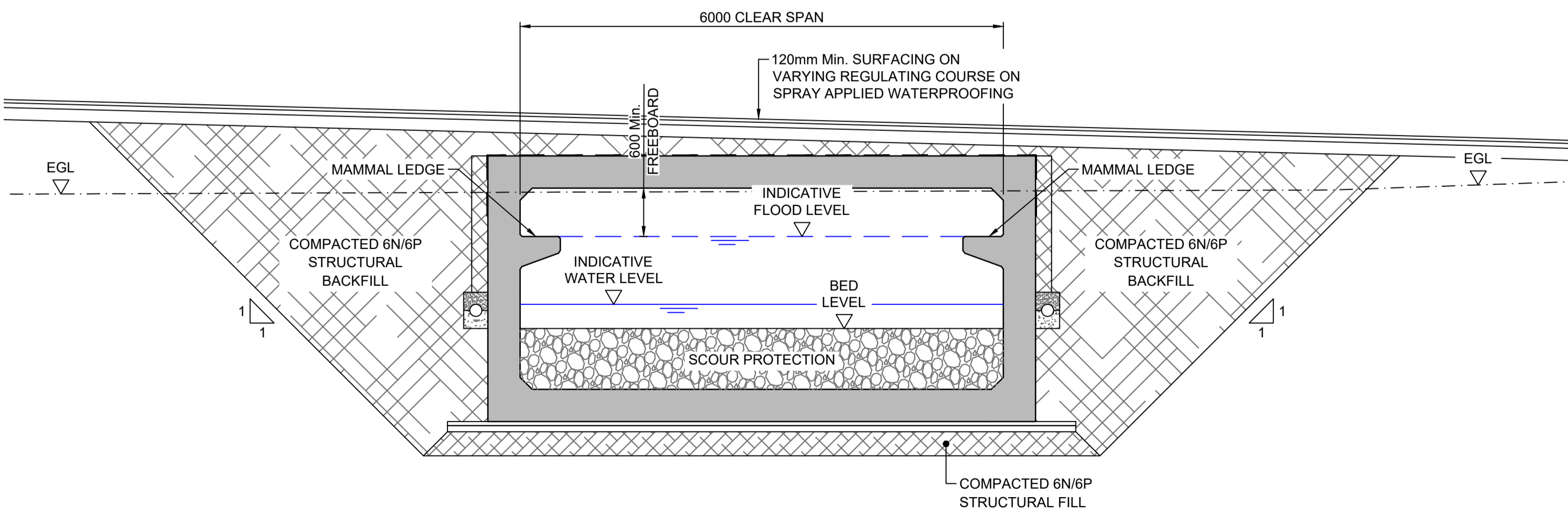




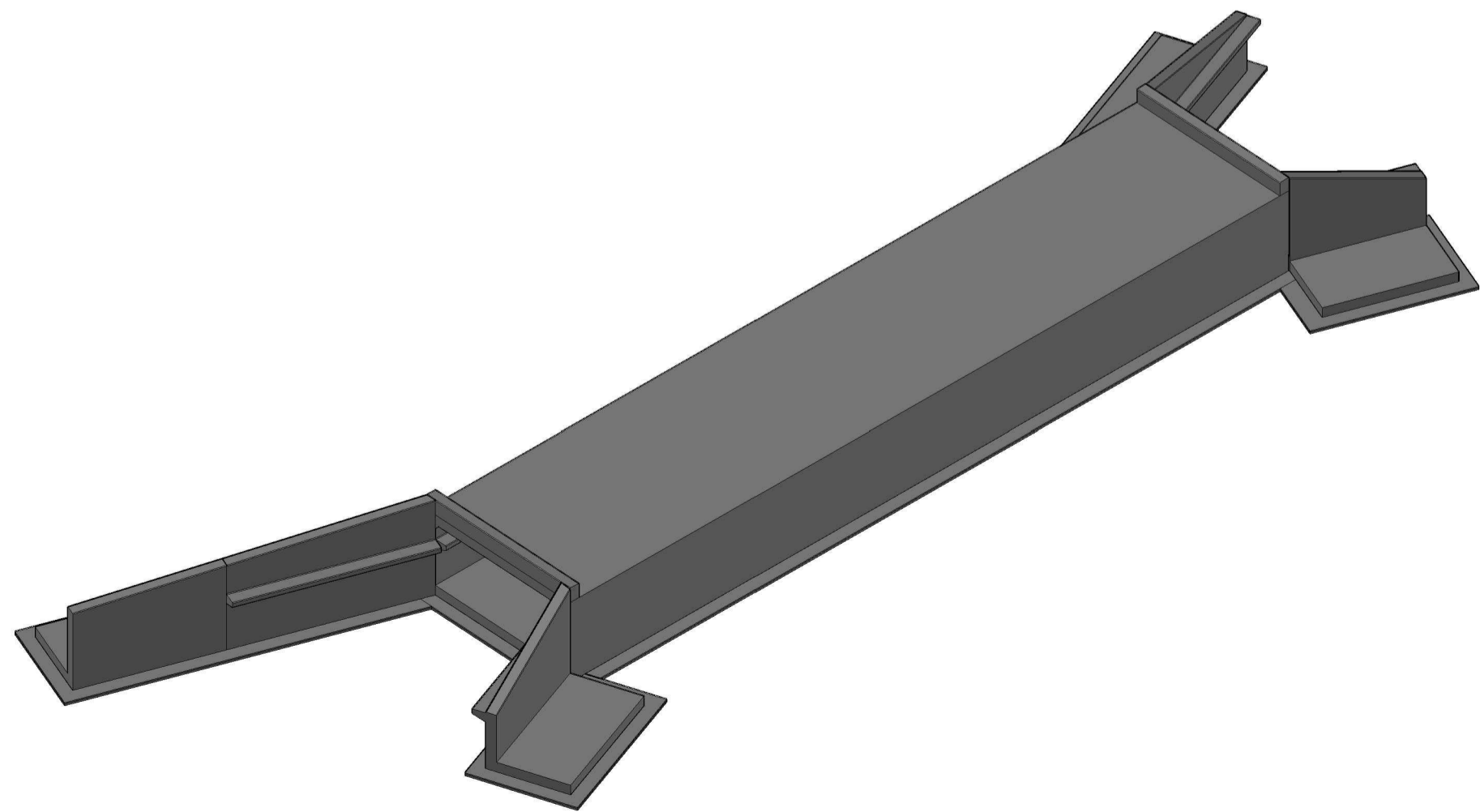
PLAN
SCALE 1:200



SECTION A-A
SCALE 1:100



SECTION B-B
SCALE 1:50



3D VIEW
SCALE 1:200

NOTES

Purpose of use

FOR DCO SUBMISSION

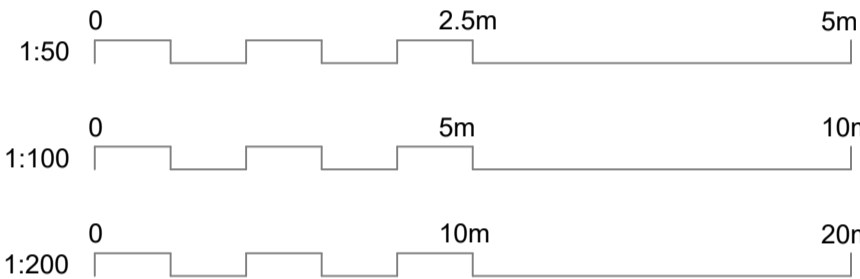
Development Consent Order Number / Document

TR010037/APP/2.7(K)

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KEY TO SYMBOLS

- INDICATIVE WATER LEVEL
- INDICATIVE FLOOD LEVEL



P01	10/12/20	FIRST ISSUE	AKno	JHar	JHar
P02	15/03/21	DCO SUBMISSION	ACus	JHar	BWii
C01	15/03/21	DCO SUBMISSION	ACus	JHar	BWii
REV	DATE	REVISION NOTE	ORG	CHKD	APP'D

DESIGNER

SWECO

CONTRACTOR

GallifordTry

CLIENT

highways
england

PROJECT TITLE

A47/A11 THICKTHORN JUNCTION

PROJECT STAGE

PCF STAGE 3

DRAWING TITLE

GENERAL ARRANGEMENT PLANS
REGULATION 5(2)(o) & 6(2)(a)
STRUCTURES DRAWINGS
S46 CANTLEY LANE SOUTH CULVERT

SUITABILITY

AUTHORISED AS STAGE 3 COMPLETED

SHEET SIZE	SCALE	STATUS	REVISION
A1	AS SHOWN	A3	C01

DRAWING NUMBER

HE551492-GTY-LSI-000-DR-CH-36024