A585 Windy Harbour to Skippool Improvement Scheme

TR010035

2.6 Engineering Section Drawings

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

Planning Act 2008

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

Volume 2

October 2018

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Infrastructure Planning

Planning Act 2008

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

A585 Windy Harbour to Skippool Improvement Scheme

Development Consent Order 201[ ]

ENGINEERING SECTION DRAWINGS

Regulation Number:	Regulation 5(2)(o); 5(2)(p) and 6(2)
Planning Inspectorate Scheme Reference	TR010035
Application Document Reference	TR010035/APP/2.6
Author:	A585 Windy Harbour to Skippool Improvement Scheme Project Team, Highways England

Version	Date	Status of Version
Rev 0	October 2018	DCO Submission

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CONTENTS

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

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1 INTRODUCTION

1.1 This document is submitted to the Planning Inspectorate on behalf of the Secretary of State in relation to an application made by Highways England ("the Applicant") under section 37 of the Planning Act 2008.

1.2 The application is for an order granting development consent ("the development consent order" / "DCO") for the A585 Windy Harbour to Skippool Improvement Scheme ("the Scheme"). The draft DCO is referred to as *A585 Windy Harbour to Skippool Improvement Scheme Development Consent Order 201[ ]*.

1.3 This document comprises part of the suite of application documentation and is included in the application in compliance with Regulation 5(2)(o), Regulation 5(2)(p) and Regulation 6(2) of the Infrastructure Planning (Applications: Prescribed Forms and Procedures) Regulations 2009, which requires:

5(2)(o) "any other plans, drawings and sections necessary to describe the proposals for which development consent is sought, showing details of design, external appearance, and the preferred layout of buildings or structures, drainage, surface water management, means of vehicular and pedestrian access, any car parking to be provided, and means of landscaping."

5(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."

5(4) "Where a plan comprises three or more separate sheets a key plan must be provided showing the relationship between the different sheets."

1.4 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 the General Arrangement Plans (document reference TR010035/APP/2.5) and Schedule 1 of the draft DCO (document reference TR010035/APP/3.1).

2 SCHEDULE OF PLANS INCLUDED IN THIS APPLICATION DOCUMENT

Drawing Title	Drawing Number	Revision
Engineering Section Drawings – Regulation 5(2)(o), 5(2)(p), 5(4) & 6(2) – Sheet 1 of 6	HE548643-ARC-HGN-SZ_ZZ_000-DR-D-3070	0
Engineering Section Drawings – Regulation 5(2)(o), 5(2)(p) & 6(2) – Sheet 2 of 6	HE548643-ARC-HGN-SZ_ZZ_000-DR-D-3071	0
Engineering Section Drawings – Regulation 5(2)(o), 5(2)(p) & 6(2) – Sheet 3 of 6	HE548643-ARC-HGN-SZ_ZZ_000-DR-D-3072	0
Engineering Section Drawings – Regulation 5(2)(o), 5(2)(p) & 6(2) – Sheet 4 of 6	HE548643-ARC-HGN-SZ_ZZ_000-DR-D-3073	0
Engineering Section Drawings – Regulation 5(2)(o), 5(2)(p) & 6(2) – Sheet 5 of 6	HE548643-ARC-HGN-SZ_ZZ_000-DR-D-3086	0
Engineering Section Drawings – Regulation 5(2)(o), 5(2)(p) & 6(2) – Sheet 6 of 6	HE548643-ARC-HGN-SZ_ZZ_000-DR-D-3087	0

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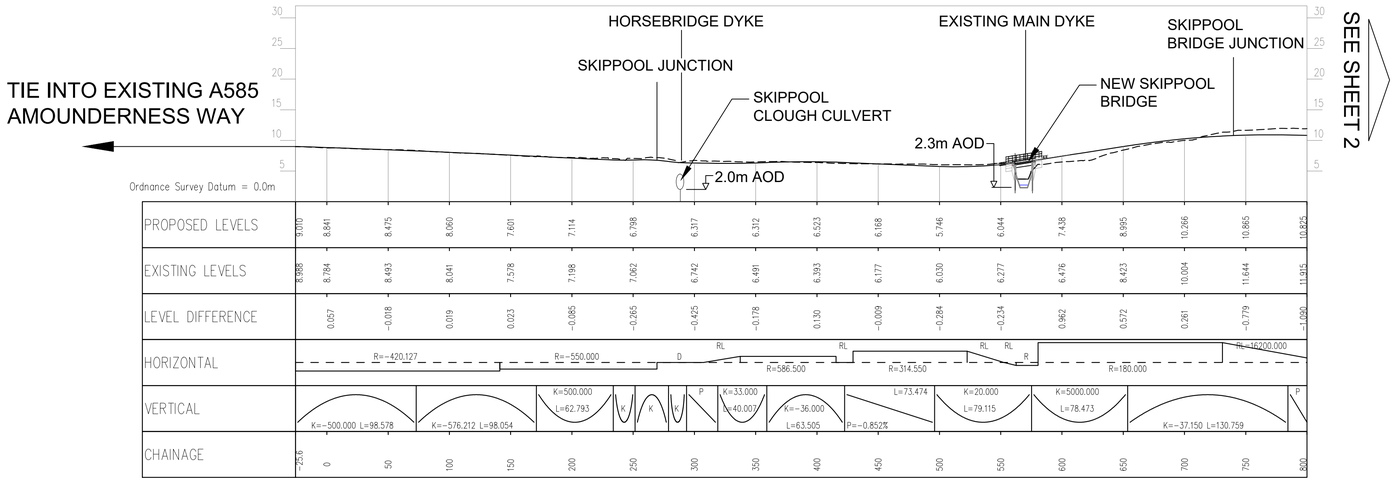

Design Speed 70kph
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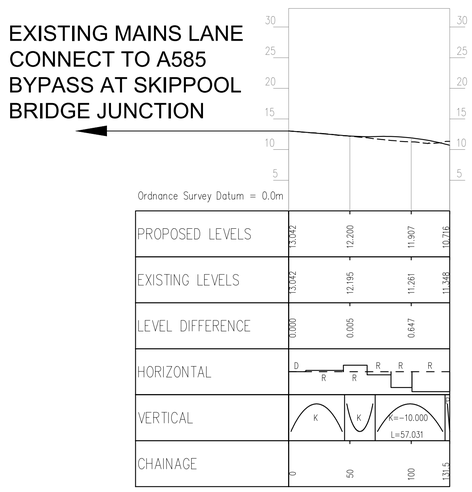
Scale - Horiz 1:2500 (A1), Vert 1:500 (A1)



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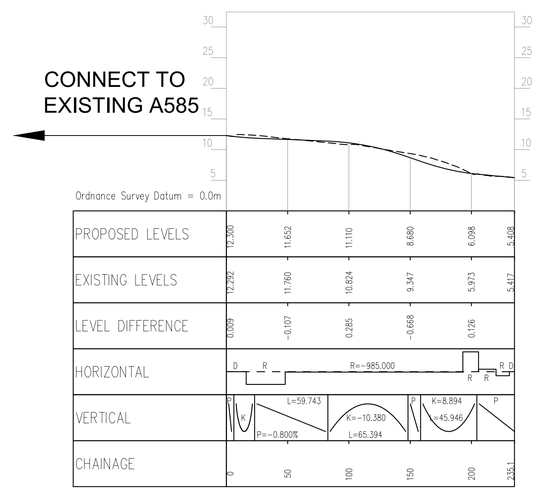
EXISTING A585 Chainage 0 to 131.5m
LONG SECTION
Scale - Horiz 1:2500 (A1), Vert 1:500 (A1)



Design Speed 50kph
REALIGNED OLD MAINS LANE Chainage 0 to 235.1m
LONG SECTION
Scale - Horiz 1:2500 (A1), Vert 1:500 (A1)

NOTES:

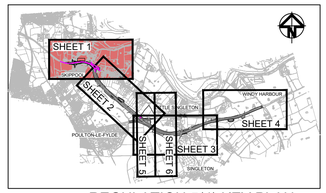
1. ALL DIMENSIONS ARE IN METRES UNLESS STATED OTHERWISE.
2. THESE PLANS ARE TO BE READ IN CONJUNCTION WITH THE GENERAL ARRANGEMENT PLANS TR010035/APP/2.5
3. ALL STRUCTURE POSITIONS ARE INDICATIVE.
4. ALL CULVERT POSITIONS ARE INDICATIVE.
5. PLANS TO BE READ IN CONJUNCTION WITH THE DEVELOPMENT CONSENT ORDER. THE PROPOSED WORKS WILL BE SUBJECT TO DETAILED DESIGN DEVELOPMENT. THE CHANGES WILL BE LIMITED TO BEING WITHIN THE LIMITS OF LAND TO BE ACQUIRED OR USED PERMANENTLY AND ANY OTHER CONSTRAINT INCLUDED IN THE DEVELOPMENT CONSENT ORDER (DOCUMENT REFERENCE TR010035/APP/3.1)
6. DETAILS OF VEHICULAR ACCESS AND WALKER, CYCLISTS AND HORSE RIDER FACILITIES ARE SUBJECT TO DETAILED DESIGN WORK BUT WILL BE WITHIN THE EXTENTS OF THE LIMITS OF DEVIATION AS IDENTIFIED ON WORKS PLANS (DOCUMENT REFERENCE TR010035/APP/2.3)
7. 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:

PROPOSED LEVELS

EXISTING LEVELS

BEDLEVEL OF WATERCOURSE IN METRES ABOVE ORDNANCE DATUM



REGULATION 5(4) KEY PLAN

0 10 20 30 40 50
SCALE 1:500 (A1) VERTICAL METRES

0 50 100 150 200 250
SCALE 1:2500(A1) HORIZONTAL METRES

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
0	S8	OCT 2018	DCO SUBMISSION	TC	SP	NH

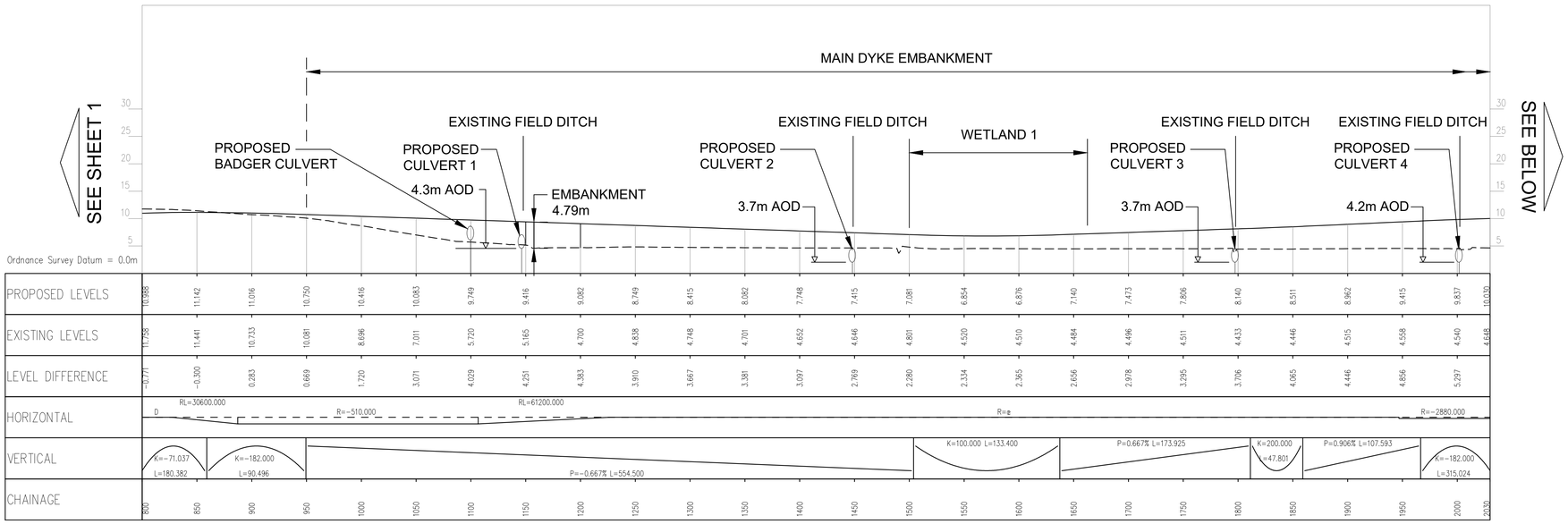
Client: highways england

Project: A585 WINDY HARBOUR TO SKIPPOOL IMPROVEMENT SCHEME

Drawing Title: ENGINEERING SECTION DRAWINGS REGULATION 5(2)(o), 5(2)(p) & 6(2) SHEET 1 OF 6

Status	S8 - DCO SUBMISSION	Revision	0
Scale	1:2500 @ A1	Date	OCT 2018
Drawn By	T.CHAUDHRY		
Checked By	S.PANESAR		
Approved By	N.HENDERSON		
PINS No.	TR010035	Original Size	A1

Drawing number: HE PIN | Originator | Volume | Location | Type | Role | Number
HE548643-ARC-HGN-SZ_ZZ_000-DR-D-3070



Design Speed 120kph
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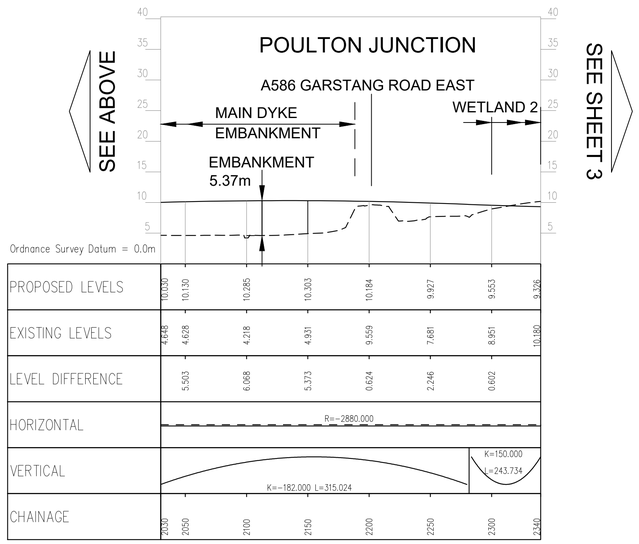
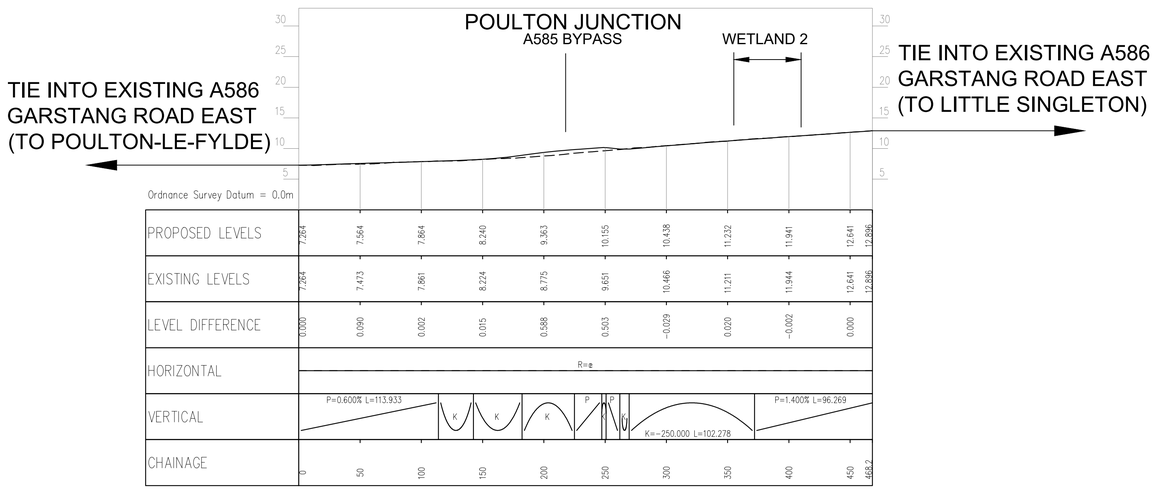
LONG SECTION
Scale - Horiz 1:2500 (A1), Vert 1:500 (A1)



Design Speed 85kph
A585 MAINLINE Chainage 2030 to 2340m
LONG SECTION
Scale - Horiz 1:2500 (A1), Vert 1:500 (A1)



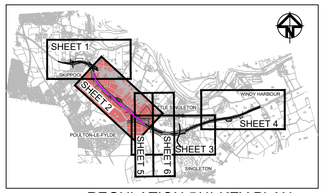
Design Speed 85kph
A586 GARSTANG ROAD EAST
Chainage 0 to 468.2m
LONG SECTION
Scale - Horiz 1:2500 (A1), Vert 1:500 (A1)

NOTES:

1. ALL DIMENSIONS ARE IN METRES UNLESS STATED OTHERWISE.
2. THESE PLANS ARE TO BE READ IN CONJUNCTION WITH THE GENERAL ARRANGEMENT PLANS TR010035/APP/2.5
3. ALL STRUCTURE POSITIONS ARE INDICATIVE.
4. ALL CULVERT POSITIONS ARE INDICATIVE.
5. PLANS TO BE READ IN CONJUNCTION WITH THE DEVELOPMENT CONSENT ORDER. THE PROPOSED WORKS WILL BE SUBJECT TO DETAILED DESIGN DEVELOPMENT. THE CHANGES WILL BE LIMITED TO BEING WITHIN THE LIMITS OF LAND TO BE ACQUIRED OR USED PERMANENTLY AND ANY OTHER CONSTRAINT INCLUDED IN THE DEVELOPMENT CONSENT ORDER (DOCUMENT REFERENCE TR010035/APP/3.1)
6. DETAILS OF VEHICULAR ACCESS AND WALKER, CYCLISTS AND HORSE RIDER FACILITIES ARE SUBJECT TO DETAILED DESIGN WORK BUT WILL BE WITHIN THE EXTENTS OF THE LIMITS OF DEVIATION AS IDENTIFIED ON WORKS PLANS (DOCUMENT REFERENCE TR010035/APP/2.3)
7. 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:

PROPOSED LEVELS
EXISTING LEVELS
BEDLEVEL OF WATERCOURSE IN METRES ABOVE ORDNANCE DATUM



REGULATION 5(4) KEY PLAN

SCALE 1:500 (A1) VERTICAL — METRES (0, 10, 20, 30, 40, 50)

SCALE 1:2500(A1) HORIZONTAL — METRES (0, 50, 100, 150, 200, 250)

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
0	S8	OCT 2018	DCO SUBMISSION	TC	SP	NH

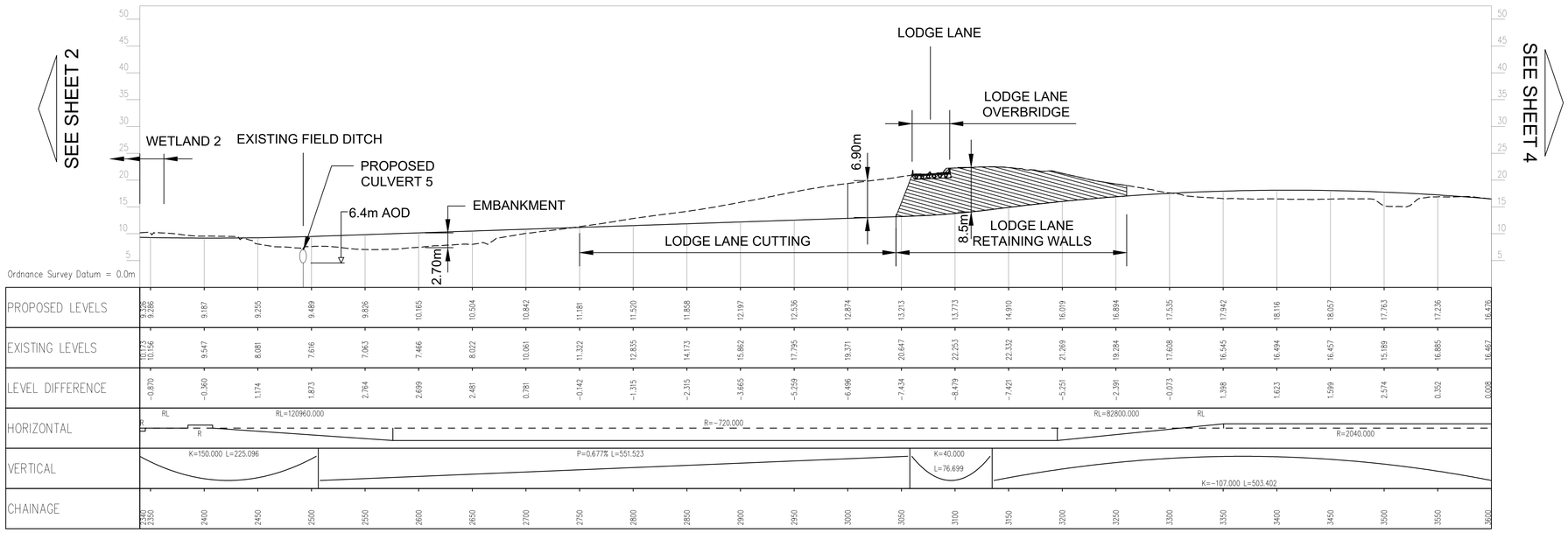
Client: highways england

Project: A585 WINDY HARBOUR TO SKIPPOOL IMPROVEMENT SCHEME

Drawing Title: ENGINEERING SECTION DRAWINGS REGULATION 5(2)(o), 5(2)(p) & 6(2) SHEET 2 OF 6

Status	S8 - DCO SUBMISSION	Revision	0
Scale	1:2500 @ A1	Date	OCT 2018
Drawn By	T.CHAUDHRY		
Checked By	S.PANESAR		
Approved By	N.HENDERSON		
PINS No.	TR010035	Original Size	A1

Drawing number: HE PIN | Originator | Volume | Location | Type | Role | Number
HE548643-ARC-HGN-SZ_ZZ_000-DR-D-3071



Design Speed 120kph
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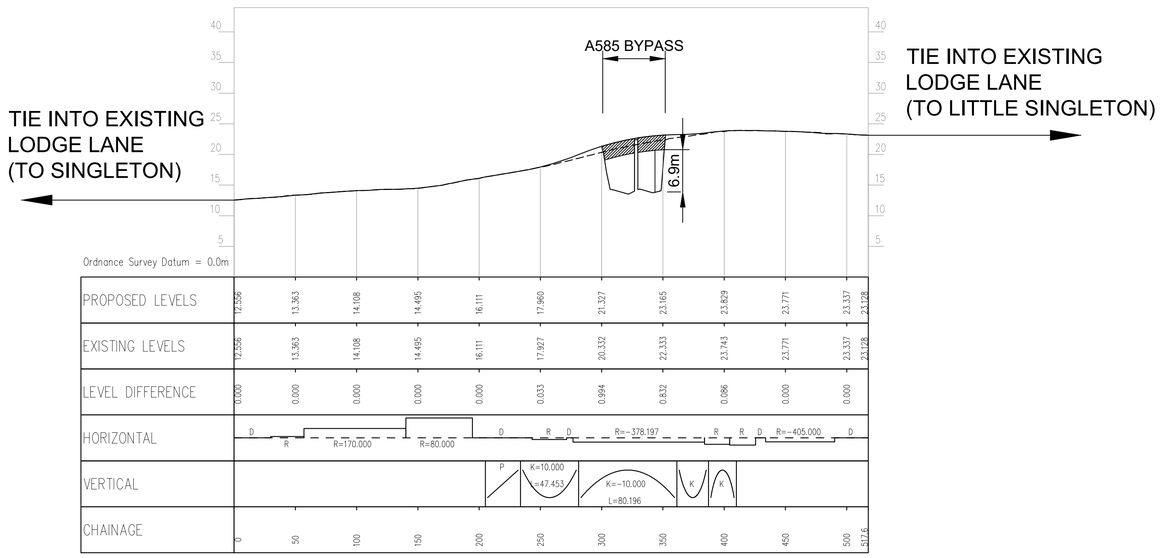
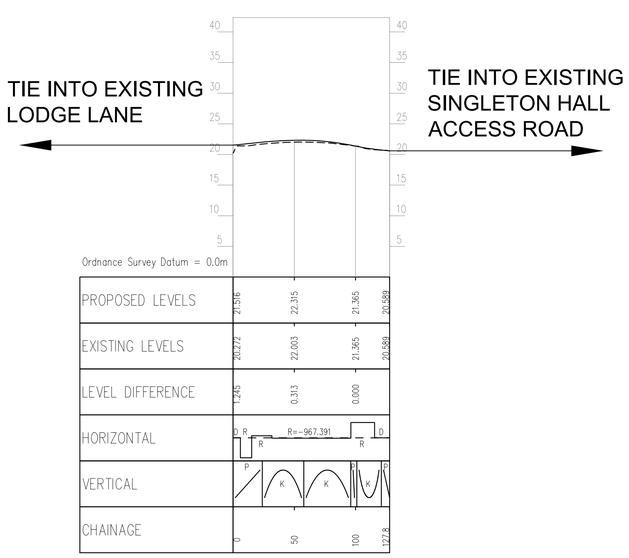
LONG SECTION
Scale - Horiz 1:2500 (A1), Vert 1:500 (A1)



Design Speed 70kph
REALIGNED LODGE LANE
Chainage 0 to 517.6m
LONG SECTION
Scale - Horiz 1:2500 (A1), Vert 1:500 (A1)



Design Speed 50kph
SIGNLETON HALL ACCESS ROAD
Chainage 0 to 127.8m
LONG SECTION
Scale - Horiz 1:2500 (A1), Vert 1:500 (A1)

NOTES:

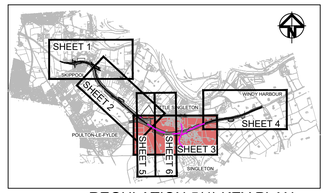
1. ALL DIMENSIONS ARE IN METRES UNLESS STATED OTHERWISE.
2. THESE PLANS ARE TO BE READ IN CONJUNCTION WITH THE GENERAL ARRANGEMENT PLANS TR010035/APP/2.5
3. ALL STRUCTURE POSITIONS ARE INDICATIVE.
4. ALL CULVERT POSITIONS ARE INDICATIVE.
5. PLANS TO BE READ IN CONJUNCTION WITH THE DEVELOPMENT CONSENT ORDER. THE PROPOSED WORKS WILL BE SUBJECT TO DETAILED DESIGN DEVELOPMENT. THE CHANGES WILL BE LIMITED TO BEING WITHIN THE LIMITS OF LAND TO BE ACQUIRED OR USED PERMANENTLY AND ANY OTHER CONSTRAINT INCLUDED IN THE DEVELOPMENT CONSENT ORDER (DOCUMENT REFERENCE TR010035/APP/3.1)
6. DETAILS OF VEHICULAR ACCESS AND WALKER, CYCLISTS AND HORSE RIDER FACILITIES ARE SUBJECT TO DETAILED DESIGN WORK BUT WILL BE WITHIN THE EXTENTS OF THE LIMITS OF DEVIATION AS IDENTIFIED ON WORKS PLANS (DOCUMENT REFERENCE TR010035/APP/2.3)
7. 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:

PROPOSED LEVELS

EXISTING LEVELS

BEDLEVEL OF WATERCOURSE IN METRES ABOVE ORDNANCE DATUM



REGULATION 5(4) KEY PLAN

0 10 20 30 40 50
SCALE 1:500 (A1) VERTICAL METRES

0 50 100 150 200 250
SCALE 1:2500(A1) HORIZONTAL METRES

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
0	S8	OCT 2018	DCO SUBMISSION	TC	SP	NH

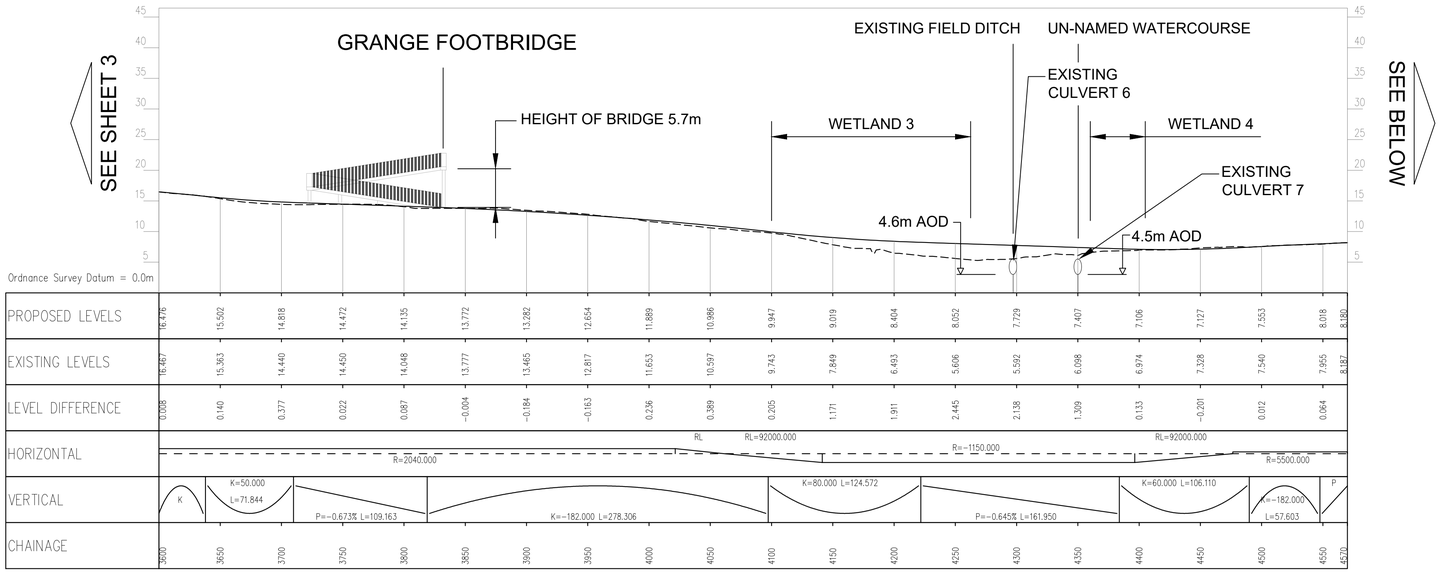
Client: highways england

Project: A585 WINDY HARBOUR TO SKIPPOOL IMPROVEMENT SCHEME

Drawing Title: ENGINEERING SECTIONS DRAWINGS REGULATION 5(2)(o), 5(2)(p) & 6(2) SHEET 3 OF 6

Status	S8 - DCO SUBMISSION	Revision	0
Scale	1:2500 @ A1	Date	OCT 2018
Drawn By	T.CHAUDHRY		
Checked By	S.PANESAR		
Approved By	N.HENDERSON		
PINS No.	TR010035	Original Size	A1

Drawing number: HE PIN | Originator | Volume | Location | Type | Role | Number
HE548643-ARC-HGN-SZ_ZZ_000-DR-D-3072



Design Speed 120kph
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LONG SECTION
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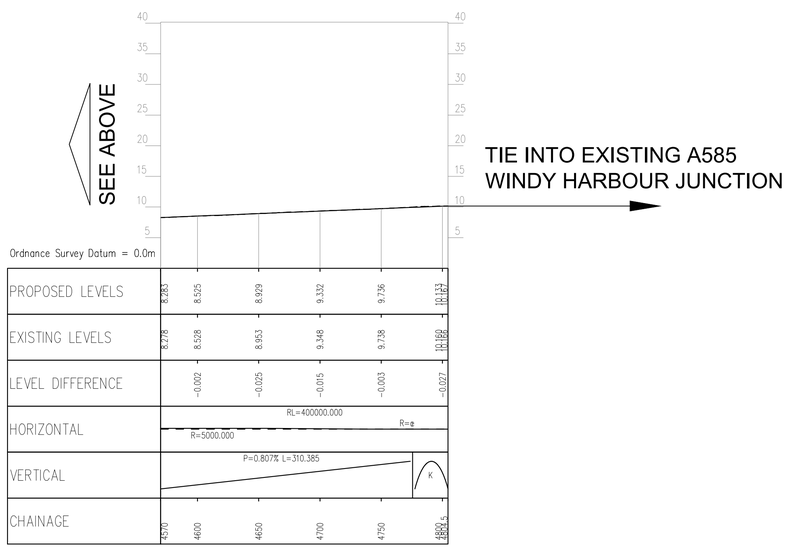


Design Speed 85kph
A585 MAINLINE Chainage 4570 to 4804.5m
LONG SECTION
Scale - Horiz 1:2500 (A1), Vert 1:500 (A1)

NOTES:

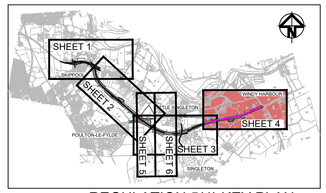
1. ALL DIMENSIONS ARE IN METRES UNLESS STATED OTHERWISE.
2. THESE PLANS ARE TO BE READ IN CONJUNCTION WITH THE GENERAL ARRANGEMENT PLANS TR010035/APP/2.5
3. ALL STRUCTURE POSITIONS ARE INDICATIVE.
4. ALL CULVERT POSITIONS ARE INDICATIVE.
5. PLANS TO BE READ IN CONJUNCTION WITH THE DEVELOPMENT CONSENT ORDER. THE PROPOSED WORKS WILL BE SUBJECT TO DETAILED DESIGN DEVELOPMENT. THE CHANGES WILL BE LIMITED TO BEING WITHIN THE LIMITS OF LAND TO BE ACQUIRED OR USED PERMANENTLY AND ANY OTHER CONSTRAINT INCLUDED IN THE DEVELOPMENT CONSENT ORDER (DOCUMENT REFERENCE TR010035/APP/3.1)
6. DETAILS OF VEHICULAR ACCESS AND WALKER, CYCLISTS AND HORSE RIDER FACILITIES ARE SUBJECT TO DETAILED DESIGN WORK BUT WILL BE WITHIN THE EXTENTS OF THE LIMITS OF DEVIATION AS IDENTIFIED ON WORKS PLANS (DOCUMENT REFERENCE TR010035/APP/2.3)
7. 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:

PROPOSED LEVELS

EXISTING LEVELS

BEDLEVEL OF WATERCOURSE IN METRES ABOVE ORDNANCE DATUM



REGULATION 5(4) KEY PLAN

0 10 20 30 40 50
SCALE 1:500 (A1) VERTICAL METRES

0 50 100 150 200 250
SCALE 1:2500(A1) HORIZONTAL METRES

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
0	S8	OCT 2018	DCO SUBMISSION	TC	SP	NH

Client

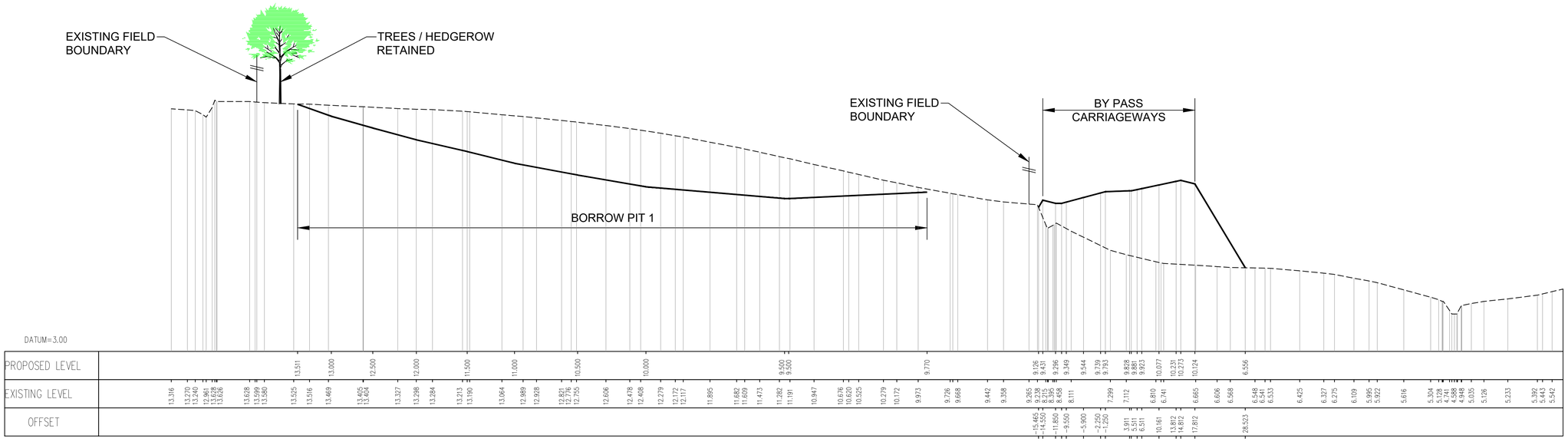
highways england

Project
A585 WINDY HARBOUR TO SKIPPOOL IMPROVEMENT SCHEME

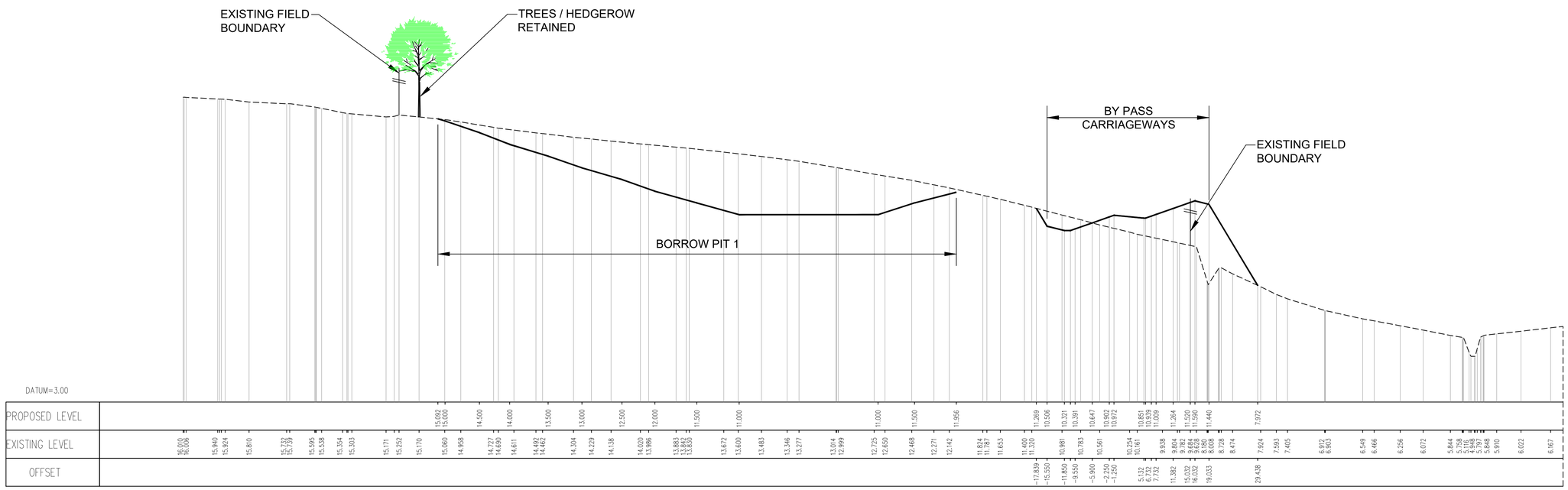
Drawing Title
ENGINEERING SECTION DRAWINGS
REGULATION 5(2)(o), 5(2)(p) & 6(2)
SHEET 4 OF 6

Status	S8 - DCO SUBMISSION	Revision	0
Scale	1:2500 @ A1	Date	OCT 2018
Drawn By	T.CHAUDHRY		
Checked By	S.PANESAR		
Approved By	N.HENDERSON		
PINS No.	TR010035	Original Size	A1

Drawing number HE PIN | Originator | Volume | Location | Type | Role | Number
HE548643-ARC-HGN-SZ_ZZ_000-DR-D-3073



A585 MAINLINE Chainage 2550m
CROSS SECTION
Scale - Horiz 1:500 (A1), Vert 1:100 (A1)



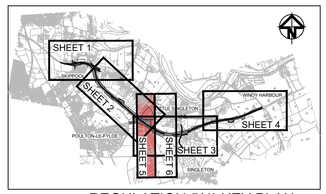
A585 MAINLINE Chainage 2700m
CROSS SECTION
Scale - Horiz 1:500 (A1), Vert 1:100 (A1)

NOTES:

1. ALL DIMENSIONS ARE IN METRES UNLESS STATED OTHERWISE.
2. THESE PLANS ARE TO BE READ IN CONJUNCTION WITH THE GENERAL ARRANGEMENT PLANS (DOCUMENT REFERENCE TR010035/APP/2.5)
3. PLANS TO BE READ IN CONJUNCTION WITH THE DEVELOPMENT CONSENT ORDER. THE PROPOSED WORKS WILL BE SUBJECT TO DETAILED DESIGN DEVELOPMENT. THE CHANGES WILL BE LIMITED TO BEING WITHIN THE LIMITS OF LAND TO BE ACQUIRED OR USED PERMANENTLY OR TEMPORARILY AND ANY OTHER CONSTRAINT INCLUDED IN THE DEVELOPMENT CONSENT ORDER (DOCUMENT REFERENCE TR010035/APP/3.1)

KEY:

- PROPOSED LEVELS
- EXISTING LEVELS
- BEDLEVEL OF WATERCOURSE IN METRES ABOVE ORDNANCE DATUM



REGULATION 5(4) KEY PLAN

SCALE 1:100 (A1) VERTICAL — 0 5 10 METRES

SCALE 1:500 (A1) HORIZONTAL — 0 10 20 30 40 50 METRES

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
0	S8	OCT 2018	DCO SUBMISSION	TC	SP	NH

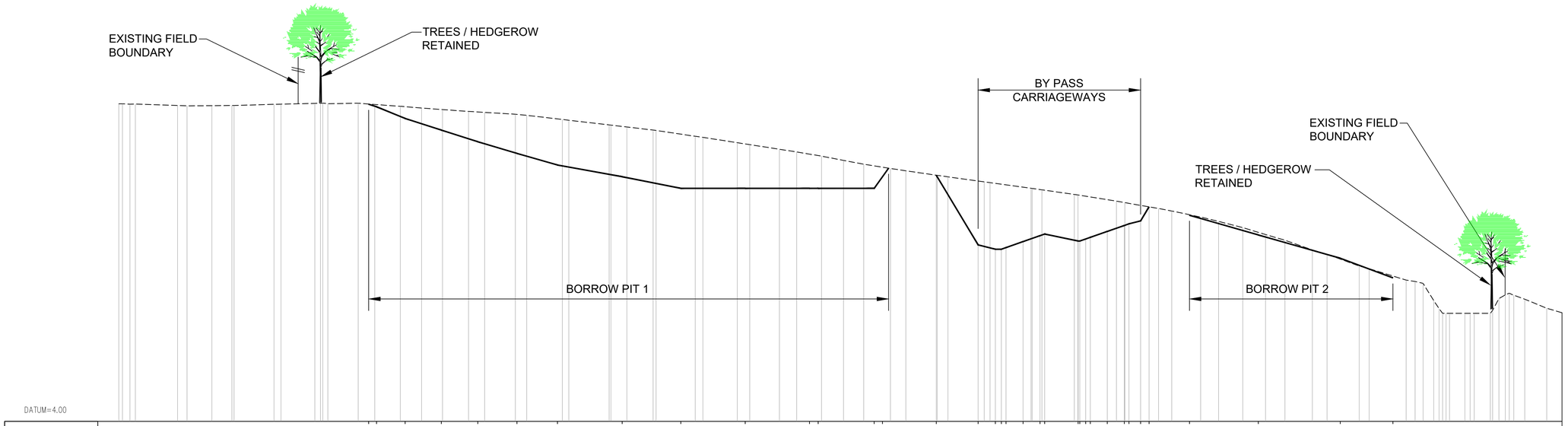
Client: highways england

Project: A585 WINDY HARBOUR TO SKIPPOOL IMPROVEMENT SCHEME

Drawing Title: ENGINEERING SECTION DRAWINGS REGULATION 5(2)(o), 5(2)(p) & 6(2) PROPOSED BORROW PIT CROSS SECTIONS SHEET 5 OF 6

Status	S8 - DCO SUBMISSION	Revision	0
Scale	1:2500 @ A1	Date	OCT 2018
Drawn By	T.CHAUDHRY		
Checked By	S.PANESAR		
Approved By	N.HENDERSON		
PINS No.	TR010035	Original Size	A1

Drawing number: HE548643-ARC-HGN-SZ_ZZ_000-DR-D-3086


EXISTING FIELD BOUNDARY
TREES / HEDGEROW RETAINED
BY PASS CARRIAGEWAYS
EXISTING FIELD BOUNDARY
TREES / HEDGEROW RETAINED
BORROW PIT 1
BORROW PIT 2
DATUM=4.00

| | | |