

A47 North Tuddenham to Easton Dualling

Scheme Number: TR010038

Volume 2

2.8 Drainage and Surface Water Plans

APFP Regulations 5(2)(o) and 5(4)

Planning Act 2008

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

December 2021

Infrastructure Planning

Planning Act 2008

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

The A47 North Tuddenham to Easton
Development Consent Order 202[x]

DRAINAGE AND SURFACE WATER PLANS

Regulation Number:	5(2)(o) and 5(4)
Planning Inspectorate Scheme Reference	TR010038
Application Document Reference	TR010038/APP/2.8
Author:	A47 North Tuddenham to Easton Dualling Project Team, Highways England

Version	Date	Status of Version
Rev. 0	March 2021	Application Issue
Rev.1	October 2021	Deadline 3 Issue
Rev.2	December 2021	Deadline 6 Non-Material DCO Change Request

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1 INTRODUCTION

- 1.1.1 These Drainage and Surface Water Plans (these “Plans”) 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 “2008 Act”) for a Development Consent Order (DCO). If made, the DCO would grant consent for the A47 North Tuddenham to Easton dualling scheme (the “Scheme”).
- 1.1.2 The Scheme aims to relieve congestion, reduce journey times, encourage economic growth and improve our customers’ experience along the section of the A47 between North Tuddenham and Easton, west of Norwich, with a new dual carriageway running south of the existing A47 at Hockering and to the north of the existing A47 at Honingham. A detailed description of the Scheme can be found in Chapter 2 ‘The Proposed Scheme’ of the Environmental Statement (ES) (**TR010038/APP/6.1**). These Plans cover the Scheme in its entirety.
- 1.1.3 These Plans comprise part of the suite of application documentation and is included in the application for a DCO in compliance with Regulations 5(2)(j) 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”.*
- 1.1.4 These Plans are also being submitted under Regulation 5(4) of the 2009 Regulations which states:
- 5(4) “where a plan comprises three or more separate sheets a key plan must be provided showing the relationship between the different sheets”.*
- 1.1.5 As these Plans are part of the application documentation, they should be read alongside and are informed by the other application documentation. In particular, these Plans should be read alongside Schedule 1 of the Draft DCO (**TR010038/APP/3.1**), the Works Plans (**TR010038/APP/2.4**) and the Engineering Drawings and Sections (**TR010038/APP/2.7**).

2 DEADLINE 3 UPDATE

- 2.1.1 The Key Plan and drawing sheets 9 and 14 have been updated to reflect the below changes to the Scheme design. The changes to the design and limits of deviation all remain within land allocated for permanent acquisition to deliver the Scheme:
- Alteration of the proposed existing A47 and realigned Taverham Road junction to remove any permanent works within land parcel 14/6a, in response to commitments in RR-006, RR-006 and RR-006 in the Applicant’s Responses to the Relevant Representations (**REP1-013**).

- Illustrate the change between the 3m wide RB1 byway connection to a 2m wide cycle only along the south side of the existing A47, in response to commitments in RR-037.59 in the Applicant's Responses to the Relevant Representations (**REP1-013**).

3 DEADLINE 6 NON-MATERIAL DCO CHANGE REQUEST UPDATE

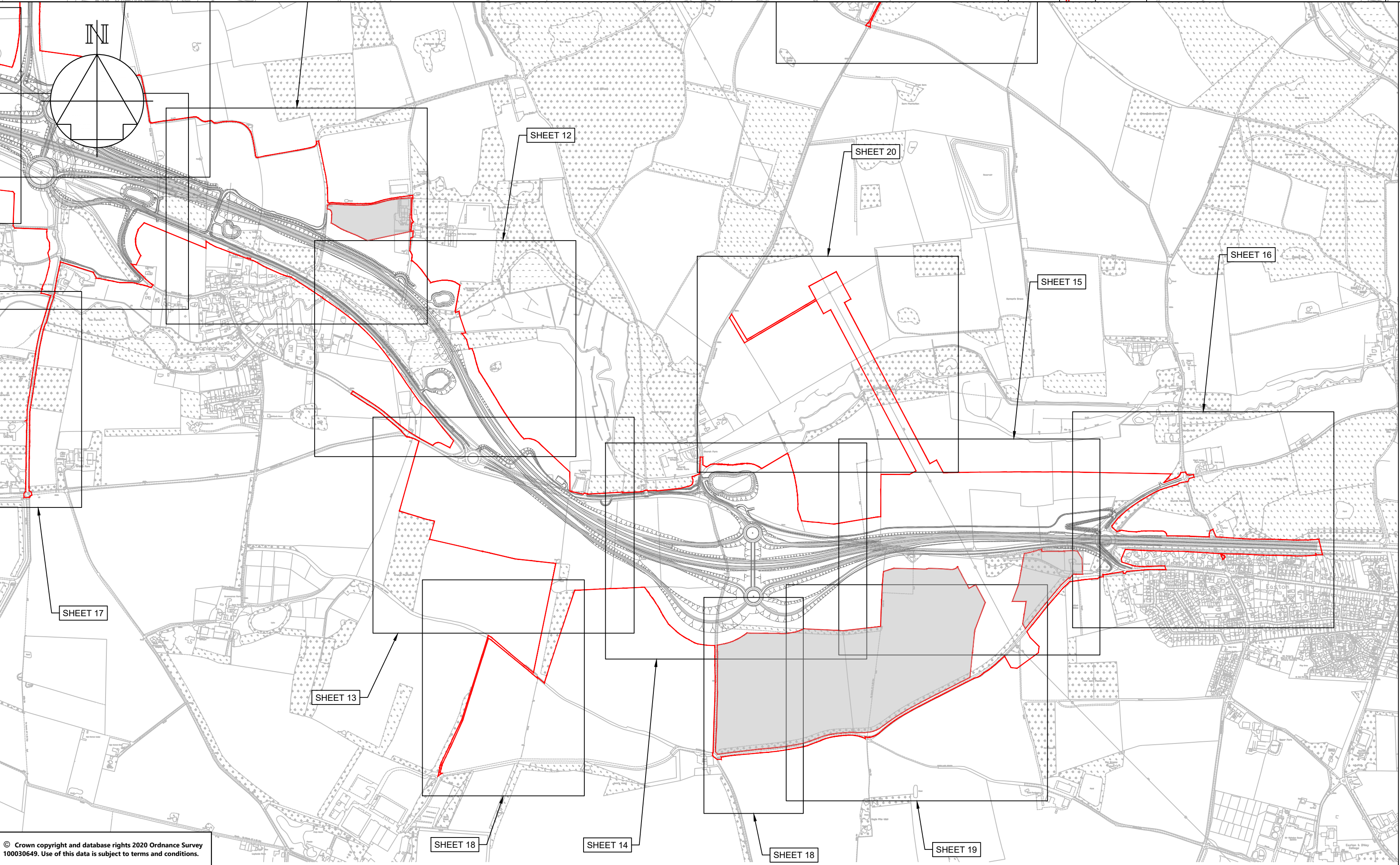
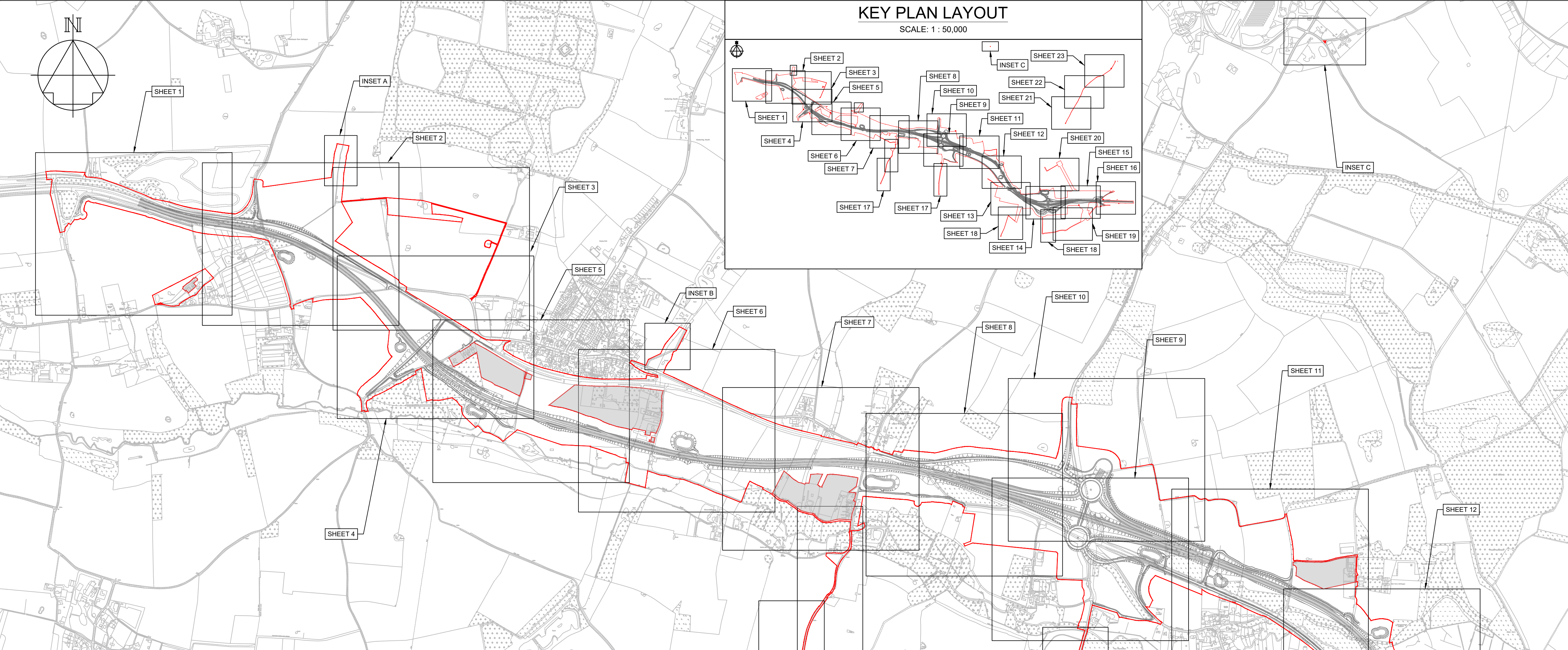
3.1.1 The Key Plan and drawing sheets 2, 4 and 9 have been updated to reflect the following changes to the base design layer proposed in the Non-Material DCO Changes Request (**TR010038/EXAM/9.26**) submitted to the Examining Authority:

- Relocation of Lyng Road drainage basin access track.
- Alteration to the existing A47 and Mattishall Lane Link Road junction to allow for a ghost island.
- Alteration of the existing A47 and Dereham Road junction to allow for a ghost island, with associated alteration to the adjacent drainage basin and it's access track.

4 SCHEDULE OF PLANS IN THIS APPLICATION DOCUMENT

Document Title	DCO Document Number	Drawing Number	Rev
Drainage and Surface Water Plans, Regulation 5(4) – Key Plan	TR010038/APP/2.8(A)	HE551489-GTY-LSI-000-DR-CH-37000	C03
Drainage and Surface Water Plans, Regulation 5(2)(o), Sheet 1 of 23	TR010038/APP/2.8(B)	HE551489-GTY-LSI-000-DR-CH-37001	C01
Drainage and Surface Water Plans, Regulation 5(2)(o), Sheet 2 of 23	TR010038/APP/2.8(C)	HE551489-GTY-LSI-000-DR-CH-37002	C02
Drainage and Surface Water Plans, Regulation 5(2)(o), Sheet 3 of 23	TR010038/APP/2.8(D)	HE551489-GTY-LSI-000-DR-CH-37003	C01
Drainage and Surface Water Plans, Regulation 5(2)(o), Sheet 4 of 23	TR010038/APP/2.8(E)	HE551489-GTY-LSI-000-DR-CH-37004	C02
Drainage and Surface Water Plans, Regulation 5(2)(o), Sheet 5 of 23	TR010038/APP/2.8(F)	HE551489-GTY-LSI-000-DR-CH-37005	C01
Drainage and Surface Water Plans, Regulation 5(2)(o), Sheet 6 of 23	TR010038/APP/2.8(G)	HE551489-GTY-LSI-000-DR-CH-37006	C01
Drainage and Surface Water Plans, Regulation 5(2)(o), Sheet 7 of 23	TR010038/APP/2.8(H)	HE551489-GTY-LSI-000-DR-CH-37007	C01
Drainage and Surface Water Plans, Regulation 5(2)(o), Sheet 8 of 23	TR010038/APP/2.8(I)	HE551489-GTY-LSI-000-DR-CH-37008	C01

Document Title	DCO Document Number	Drawing Number	Rev
Drainage and Surface Water Plans, Regulation 5(2)(o), Sheet 9 of 23	TR010038/APP/2.8(J)	HE551489-GTY-LSI-000-DR-CH-37009	C03
Drainage and Surface Water Plans, Regulation 5(2)(o), Sheet 10 of 23	TR010038/APP/2.8(K)	HE551489-GTY-LSI-000-DR-CH-37010	C01
Drainage and Surface Water Plans, Regulation 5(2)(o), Sheet 11 of 23	TR010038/APP/2.8(L)	HE551489-GTY-LSI-000-DR-CH-37011	C01
Drainage and Surface Water Plans, Regulation 5(2)(o), Sheet 12 of 23	TR010038/APP/2.8(M)	HE551489-GTY-LSI-000-DR-CH-37012	C01
Drainage and Surface Water Plans, Regulation 5(2)(o), Sheet 13 of 23	TR010038/APP/2.8(N)	HE551489-GTY-LSI-000-DR-CH-37013	C01
Drainage and Surface Water Plans, Regulation 5(2)(o), Sheet 14 of 23	TR010038/APP/2.8(O)	HE551489-GTY-LSI-000-DR-CH-37014	C03
Drainage and Surface Water Plans, Regulation 5(2)(o), Sheet 15 of 23	TR010038/APP/2.8(P)	HE551489-GTY-LSI-000-DR-CH-37015	C01
Drainage and Surface Water Plans, Regulation 5(2)(o), Sheet 16 of 23	TR010038/APP/2.8(Q)	HE551489-GTY-LSI-000-DR-CH-37016	C01
Drainage and Surface Water Plans, Regulation 5(2)(o), Sheet 17 of 23	TR010038/APP/2.8(R)	HE551489-GTY-LSI-000-DR-CH-37017	C02
Drainage and Surface Water Plans, Regulation 5(2)(o), Sheet 18 of 23	TR010038/APP/2.8(S)	HE551489-GTY-LSI-000-DR-CH-37018	C01
Drainage and Surface Water Plans, Regulation 5(2)(o), Sheet 19 of 23	TR010038/APP/2.8(T)	HE551489-GTY-LSI-000-DR-CH-37019	C01
Drainage and Surface Water Plans, Regulation 5(2)(o), Sheet 20 of 23	TR010038/APP/2.8(U)	HE551489-GTY-LSI-000-DR-CH-37020	C01
Drainage and Surface Water Plans, Regulation 5(2)(o), Sheet 21 of 23	TR010038/APP/2.8(V)	HE551489-GTY-LSI-000-DR-CH-37021	C01
Drainage and Surface Water Plans, Regulation 5(2)(o), Sheet 22 of 23	TR010038/APP/2.8(W)	HE551489-GTY-LSI-000-DR-CH-37022	C01
Drainage and Surface Water Plans, Regulation 5(2)(o), Sheet 23 of 23	TR010038/APP/2.8(X)	HE551489-GTY-LSI-000-DR-CH-37023	C01



NOTES

Purpose of use

FOR DCO SUBMISSION

Development Consent Order Number / Document

TR010038/APP/2.8(A)

1. ALL DIMENSIONS ARE IN METRES UNLESS STATED OTHERWISE.

2. THESE PLANS SHOULD BE READ IN CONJUNCTION WITH OTHER PLANS AND DOCUMENTS IN THE DEVELOPMENT CONSENT ORDER, IN PARTICULAR THE BOOK OF REFERENCE.

KEY TO SYMBOLS

ORDER LIMITS

AREA NOT INCLUDED IN THE ORDER LIMITS

SCHEME DESIGN

P02	01/12/20	P02	DPil	JHar	JHar
P03	07/12/20	DESIGN AMENDMENTS	AKno	JHar	JHar
P04	12/02/21	DESIGN UPDATED	KMcC	JMcC	MR
P05	25/02/21	DCO SUBMISSION	TRil	JHar	MR
P06	10/03/21	DCO SUBMISSION	RO	MR	MR
C01	10/03/21	DCO SUBMISSION	RO	MR	MR
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C02	01/10/21	DCO DEADLINE 3		MR	MR
P08	15/12/21	DEADLINE 6 ISSUE	AKno	MR	MR
C03	15/12/21	DEADLINE 6 ISSUE	AKno	MR	MR
REV	DATE	REVISION NOTE	ORG	CHKD	APPD

DESIGNER

SWECO

CONTRACTOR

GallifordTry

CLIENT

highways

england

PROJECT TITLE

A47 NORTH TUDDENHAM TO EASTON DUALLING

PROJECT STAGE

PCF STAGE 4

DRAWING TITLE

DRAINAGE AND SURFACE WATER PLANS REGULATIONS 5(4) KEY PLAN

SUITABILITY

AUTHORISED AS STAGE 3 COMPLETED

SHEET SIZE	SCALE	STATUS	REVISION
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DRAWING NUMBER

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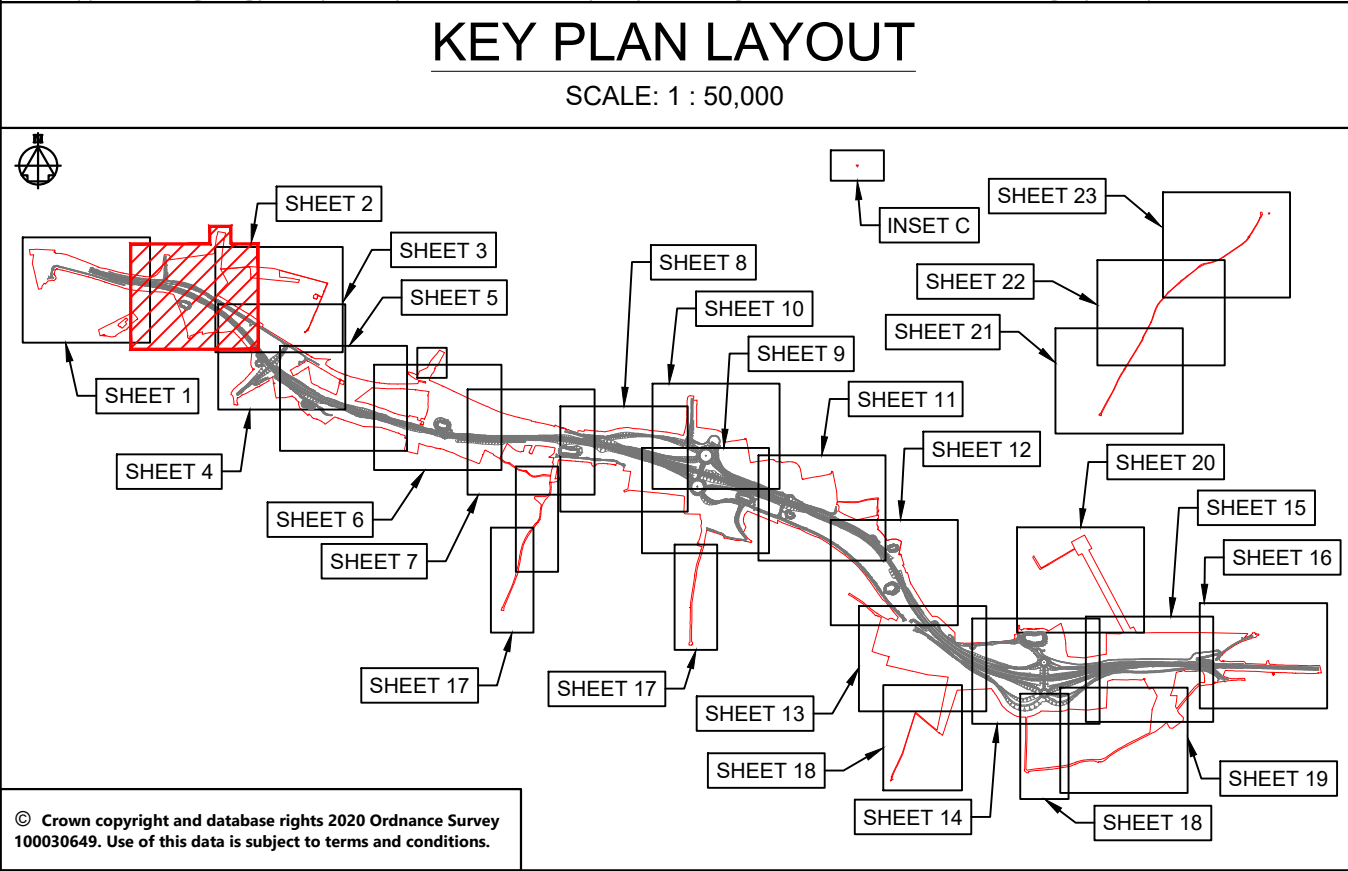
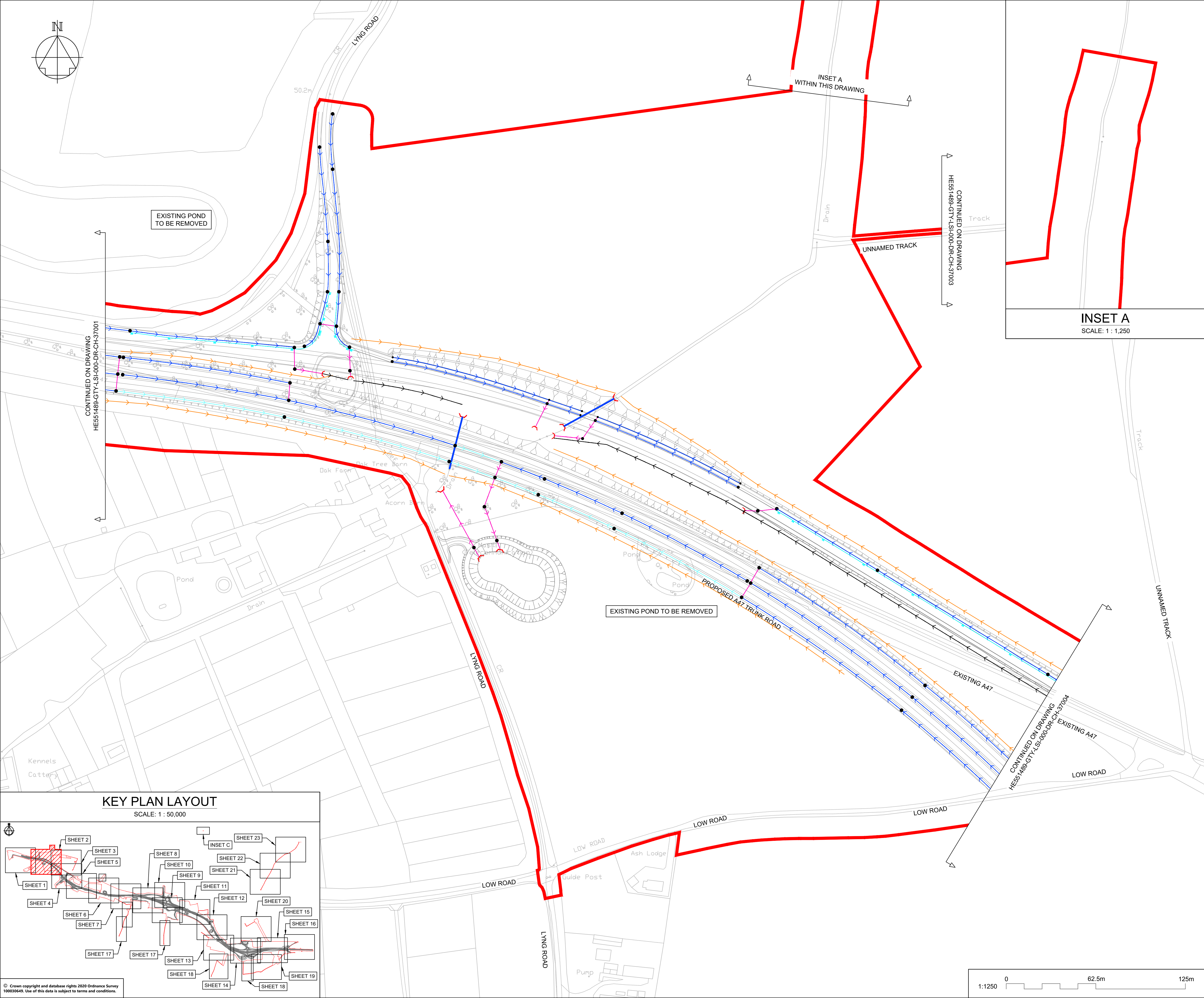
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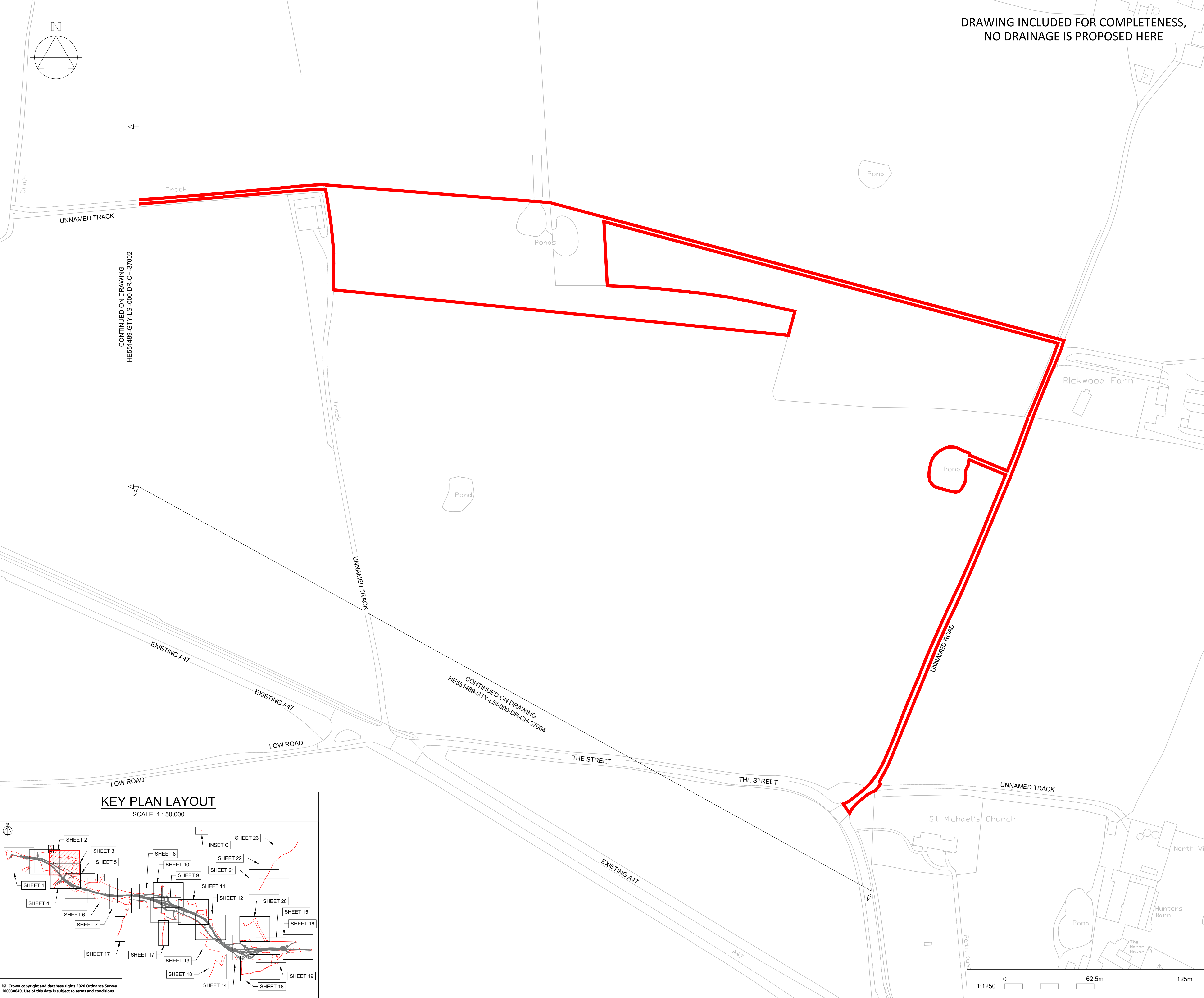
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Purpose of use					
FOR DCO SUBMISSION					
Development Consent Order Number / Document					
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1. ALL DIMENSIONS ARE IN METRES UNLESS STATED OTHERWISE.					
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KEY TO SYMBOLS					
	ORDER LIMITS				
	SCHEME DESIGN				
	AREA NOT INCLUDED IN ORDER LIMITS				
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	CARRIER DRAIN				
	COMBINED CARRIER & FILTER DRAIN				
	OVERSIZED PIPES FOR ATTENUATION				
	NARROW FILTER DRAIN / FIN DRAIN				
	COMBINED KERB DRAIN				
	MANHOLE / CATCHPIT				
	KERB AND GULLY				
	PROPOSED HEADWALL				
	DRAINAGE DITCH FOR OVER THE EDGE PROVISION				
	PRE EARTHWORKS DITCH (NATURAL CATCHMENTS)				
	PRE EARTHWORKS FILTER DRAINS				
	STRUCTURAL DECK DRAINAGE				
	PRE EARTHWORKS DITCH CROSS DRAIN				
	EXISTING SURFACE WATER BODIES				
	RIVER TUD / WATERCOURSE				
	CULVERTS				
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P02	01/12/20	FIRST ISSUE		DPil	JHar
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C02	15/12/21	DEADLINE 6 ISSUE		AKno	MR
REV	DATE	REVISION NOTE		ORG	CHK'D
DESIGNER					
SWECO					
CONTRACTOR					
GallifordTry					
CLIENT					
highways england					
PROJECT TITLE					
A47 NORTH TUDDENHAM TO EASTON DUALLING					
PROJECT STAGE					
PCF STAGE 4					
DRAWING TITLE					
DRAINAGE AND SURFACE WATER PLANS REGULATIONS 5(4) SHEET 2 OF 23					
SUITABILITY					
AUTHORISED AS STAGE 3 COMPLETED					
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KEY TO SYMBOLS

ORDER LIMITS

SCHEME DESIGN

AREA NOT INCLUDED IN ORDER LIMITS

FILTER & LOWER CARRIER DRAINS

CARRIER DRAIN

COMBINED CARRIER & FILTER DRAIN

OVERSIZED PIPES FOR ATTENUATION

NARROW FILTER DRAIN / FIN DRAIN

COMBINED KERB DRAIN

MANHOLE / CATCHPIT

KERB AND GULLY

PROPOSED HEADWALL

DRAINAGE DITCH FOR OVER THE EDGE PROVISION

PRE EARTHWORKS DITCH (NATURAL CATCHMENTS)

PRE EARTHWORKS FILTER DRAINS

STRUCTURAL DECK DRAINAGE

PRE EARTHWORKS DITCH CROSS DRAIN

EXISTING SURFACE WATER BODIES

RIVER TUD / WATERCOURSE

CULVERTS

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P05	25/02/21	DCO SUBMISSION	TRil	JHar	MR
C01	25/02/21	DCO SUBMISSION	TRil	JHar	MR
REV	DATE	REVISION NOTE	ORG	CHKD	APPD

DESIGNER

SWECO

CONTRACTOR

GallifordTry

CLIENT

highways

england

PROJECT TITLE

A47 NORTH TUDDENHAM TO EASTON DUALLING

PROJECT STAGE

PCF STAGE 3

DRAWING TITLE

DRAINAGE AND SURFACE WATER PLANS
REGULATIONS 5(4)
SHEET 3 OF 23

SUITABILITY

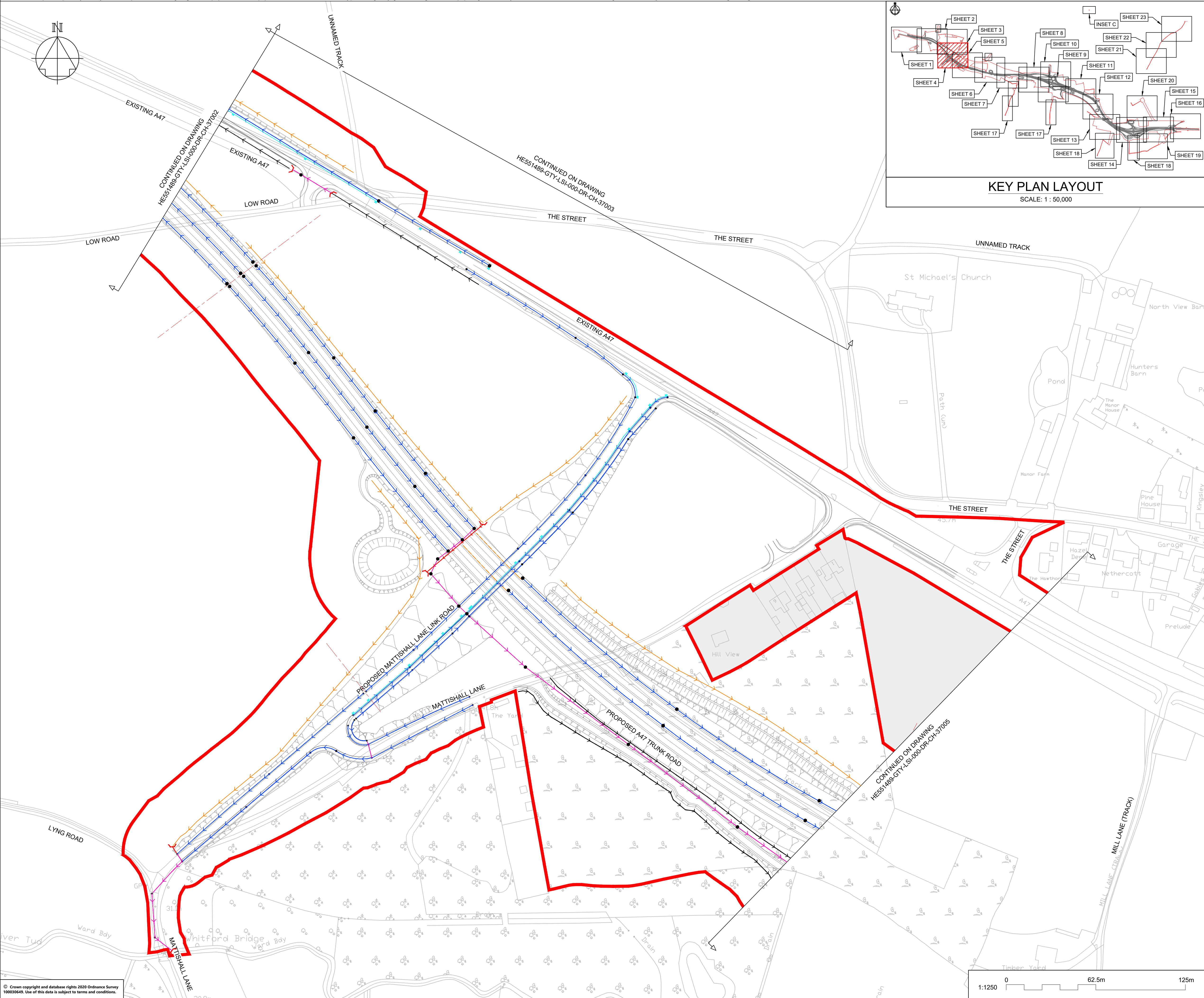
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KEY TO SYMBOLS

ORDER LIMITS

SCHEME DESIGN

AREA NOT INCLUDED IN ORDER LIMITS

FILTER & LOWER CARRIER DRAINS

CARRIER DRAIN

COMBINED CARRIER & FILTER DRAIN

OVERSIZED PIPES FOR ATTENUATION

NARROW FILTER DRAIN / FIN DRAIN

COMBINED KERB DRAIN

MANHOLE / CATCHPIT

KERB AND GULLY

PROPOSED HEADWALL

DRAINAGE DITCH FOR OVER THE EDGE PROVISION

PRE EARTHWORKS DITCH (NATURAL CATCHMENTS)

PRE EARTHWORKS FILTER DRAINS

STRUCTURAL DECK DRAINAGE

PRE EARTHWORKS DITCH CROSS DRAIN

EXISTING SURFACE WATER BODIES

RIVER TUD / WATERCOURSE

CULVERTS

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P02	01/12/20	FIRST ISSUE	DPil	JHar	JHar
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P05	25/02/21	DCO SUBMISSION	TRil	JHar	MR
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P06	15/12/21	DEADLINE 6 ISSUE	AKno	MR	MR
C02	15/12/21	DEADLINE 6 ISSUE	AKno	MR	MR
REV	DATE	REVISION NOTE	ORG	CHKD	APPD

DESIGNER

SWECO

CONTRACTOR

GallifordTry

CLIENT

highways

england

PROJECT TITLE

A47 NORTH TUDDENHAM TO EASTON DUALLING

PROJECT STAGE

PCF STAGE 4

DRAWING TITLE

DRAINAGE AND SURFACE WATER PLANS REGULATIONS 5(4) SHEET 4 OF 23

SUITABILITY

AUTHORISED AS STAGE 3 COMPLETED

SHEET SIZE

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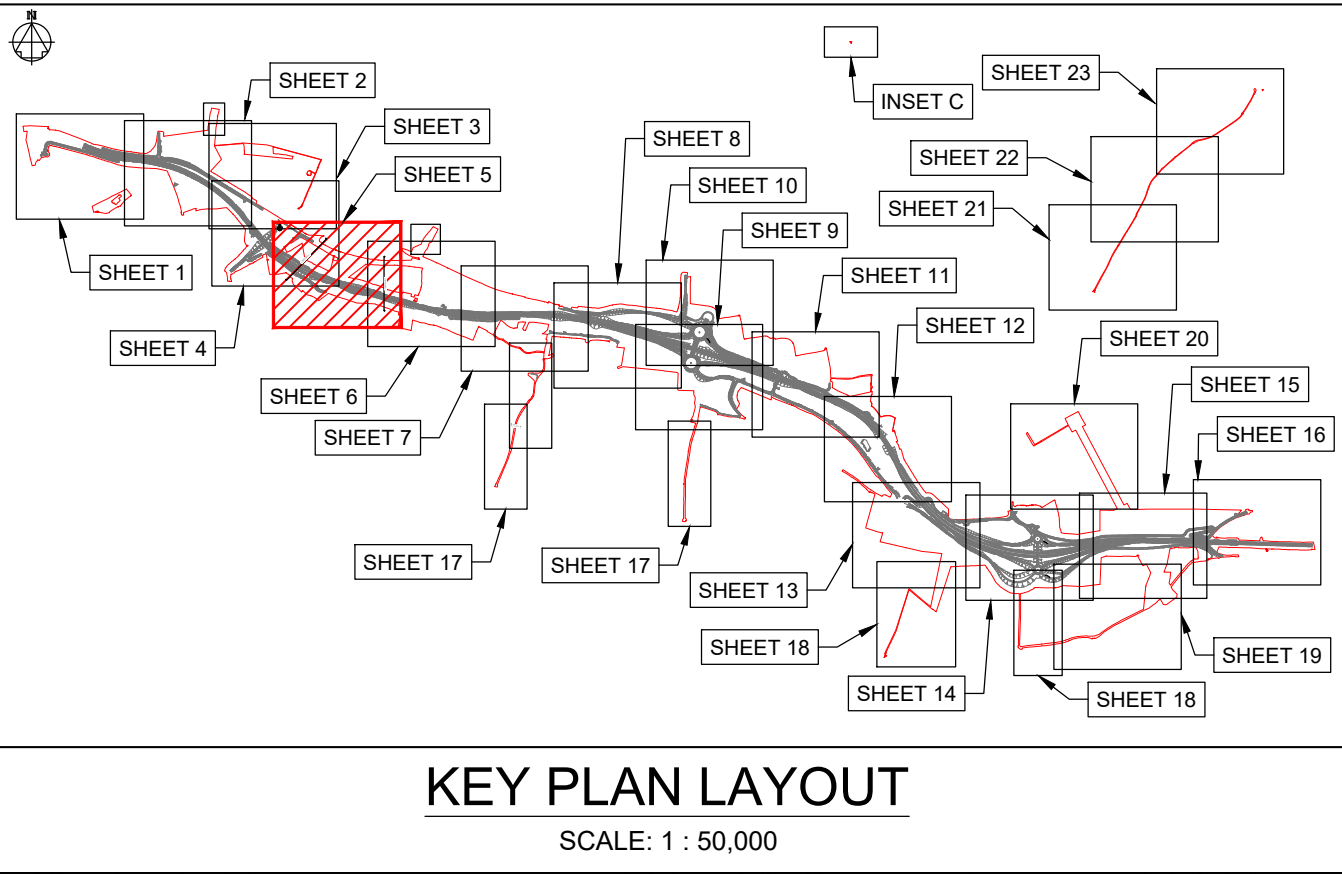
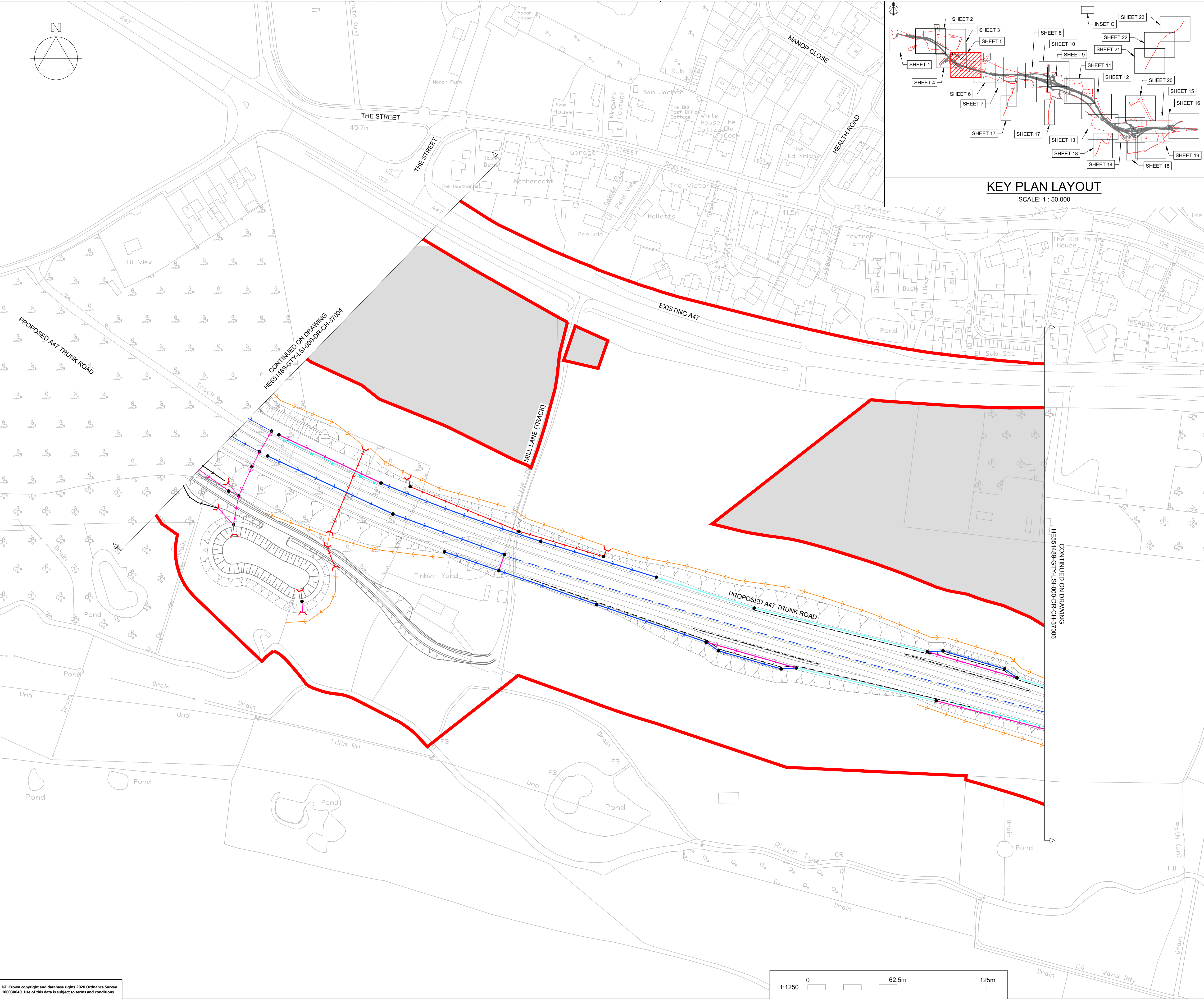
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REVISION

C02

DRAWING NUMBER

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NOTES

Purpose of use

FOR DCO SUBMISSION

Development Consent Order Number / Document

TR010038/APP/2.8(F)

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KERB AND GULLY

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STRUCTURAL DECK DRAINAGE

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RIVER TUD / WATERCOURSE

CULVERTS

P01	26/11/20	FIRST ISSUE		AKno	JHar
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C01	25/02/21	DCO SUBMISSION		TRil	JHar
REV	DATE	REVISION NOTE		ORG	CHKD

DESIGNER

SWECO

CONTRACTOR

GallifordTry

CLIENT

highways
england

PROJECT TITLE

A47 NORTH TUDDENHAM TO EASTON DUALLING

PROJECT STAGE

PCF STAGE 3

DRAWING TITLE

DRAINAGE AND SURFACE WATER PLANS
REGULATIONS 5(4)
SHEET 5 OF 23

SUITABILITY

AUTHORISED AS STAGE 3 COMPLETED

SHEET SIZE

A1

SCALE

1:1250

STATUS

A3

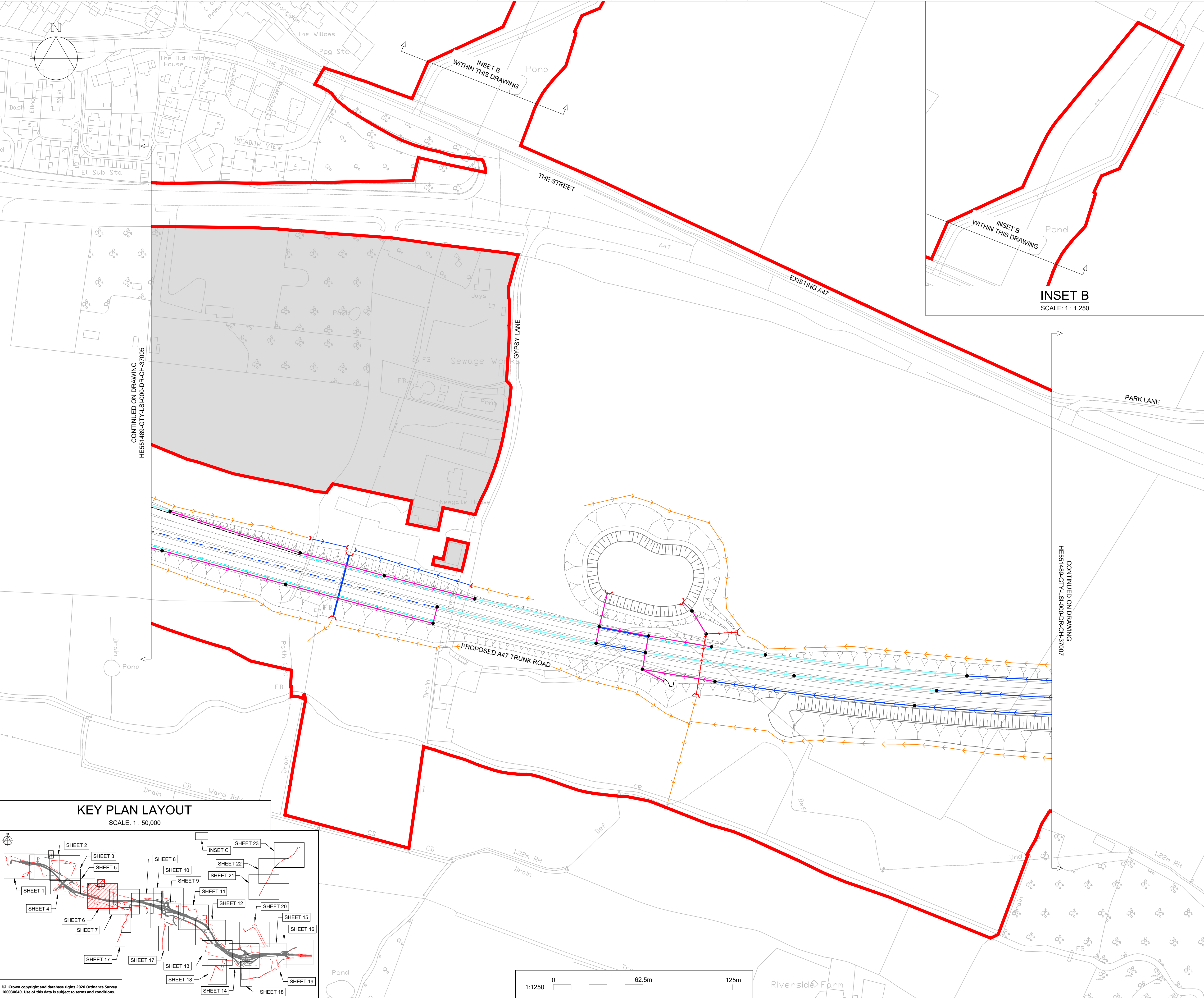
REVISION

C01

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NOTES

Purpose of use

FOR DCO SUBMISSION

Development Consent Order Number / Document

TR010038/APP/2.8(G)

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2. THESE PLANS SHOULD BE READ IN CONJUNCTION WITH OTHER PLANS AND DOCUMENTS IN THE DEVELOPMENT CONSENT ORDER.

KEY TO SYMBOLS

ORDER LIMITS

SCHEME DESIGN

AREA NOT INCLUDED IN ORDER LIMITS

FILTER & LOWER CARRIER DRAINS

CARRIER DRAIN

COMBINED CARRIER & FILTER DRAIN

OVERSIZED PIPES FOR ATTENUATION

NARROW FILTER DRAIN / FIN DRAIN

COMBINED KERB DRAIN

MANHOLE / CATCHPIT

KERB AND GULLY

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DRAINAGE DITCH FOR OVER THE EDGE PROVISION

PRE EARTHWORKS DITCH (NATURAL CATCHMENTS)

PRE EARTHWORKS FILTER DRAINS

STRUCTURAL DECK DRAINAGE

PRE EARTHWORKS DITCH CROSS DRAIN

EXISTING SURFACE WATER BODIES

RIVER TUD / WATERCOURSE

CULVERTS

P01	26/11/20	FIRST ISSUE	AKno	JHar	JHar
P02	01/12/20	FIRST ISSUE	DPil	JHar	JHar
P03	07/12/20	DESIGN UPDATE	DPil	JHar	JHar
P04	12/02/21	DESIGN UPDATED	KMcC	JMcC	MR
P05	25/02/21	DCO SUBMISSION	TRil	JHar	MR
C01	25/02/21	DCO SUBMISSION	TRil	JHar	MR
REV	DATE	REVISION NOTE	ORG	CHKD	APPD

DESIGNER

SWECO

CONTRACTOR

GallifordTry

CLIENT

highways
england

PROJECT TITLE

A47 NORTH TUDDENHAM TO EASTON DUALLING

PROJECT STAGE

PCF STAGE 3

DRAWING TITLE

DRAINAGE AND SURFACE WATER PLANS REGULATIONS 5(4)
SHEET 6 OF 23

SUITABILITY

AUTHORISED AS STAGE 3 COMPLETED

SHEET SIZE

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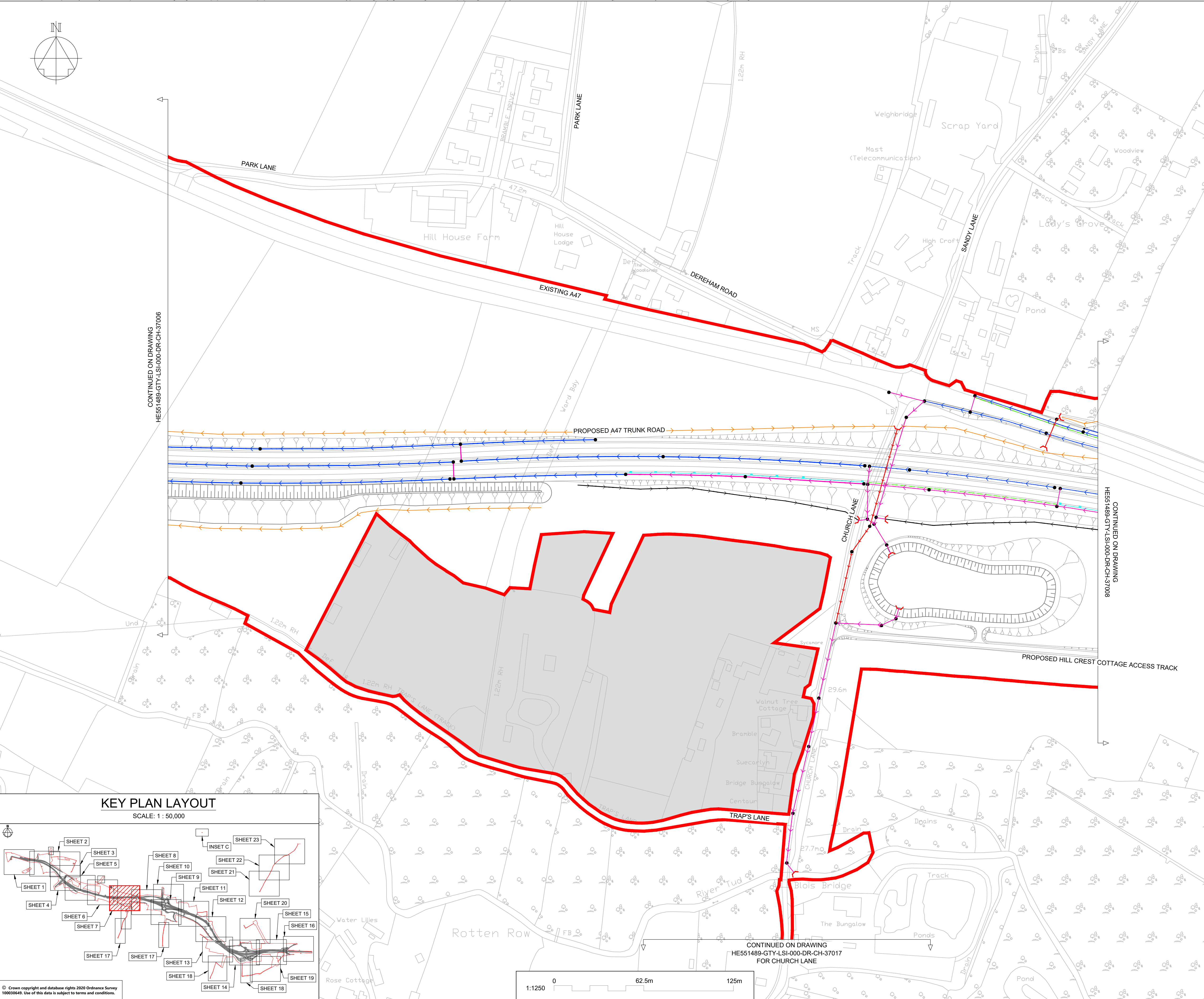
A3

REVISION

C01

DRAWING NUMBER

HE551489-GTY-LSI-000-DR-CH-37006



NOTES

Purpose of use

FOR DCO SUBMISSION

Development Consent Order Number / Document

TR010038/APP/2.8(H)

1. ALL DIMENSIONS ARE IN METRES UNLESS STATED OTHERWISE.

2. THESE PLANS SHOULD BE READ IN CONJUNCTION WITH OTHER PLANS AND DOCUMENTS IN THE DEVELOPMENT CONSENT ORDER.

KEY TO SYMBOLS

- ORDER LIMITS
- SCHEME DESIGN
- AREA NOT INCLUDED IN ORDER LIMITS
- FILTER & LOWER CARRIER DRAINS
- CARRIER DRAIN
- COMBINED CARRIER & FILTER DRAIN
- OVERSIZED PIPES FOR ATTENUATION
- NARROW FILTER DRAIN / FIN DRAIN
- COMBINED KERB DRAIN
- MANHOLE / CATCHPIT
- KERB AND GULLY
- PROPOSED HEADWALL
- DRAINAGE DITCH FOR OVER THE EDGE PROVISION
- PRE EARTHWORKS DITCH (NATURAL CATCHMENTS)
- PRE EARTHWORKS FILTER DRAINS
- STRUCTURAL DECK DRAINAGE
- PRE EARTHWORKS DITCH CROSS DRAIN
- EXISTING SURFACE WATER BODIES
- RIVER TUD / WATERCOURSE
- CULVERTS

P01	26/11/20	FIRST ISSUE		AKno	JHar
P02	01/12/20	FIRST ISSUE		DPil	JHar
P03	07/12/20	DESIGN UPDATE		DPil	JHar
P04	12/02/21	DESIGN UPDATED		KMcC	JMcC
P05	25/02/21	DCO SUBMISSION		TRil	JHar
C01	25/02/21	DCO SUBMISSION		TRil	JHar
REV	DATE	REVISION NOTE		ORG	CHKD

DESIGNER

SWECO

CONTRACTOR

GallifordTry

CLIENT

**highways
england**

PROJECT TITLE

**A47 NORTH TUDDENHAM TO
EASTON DUALLING**

PROJECT STAGE

PCF STAGE 3

DRAWING TITLE

**DRAINAGE AND SURFACE WATER PLANS
REGULATIONS 5(4)
SHEET 7 OF 23**

SUITABILITY

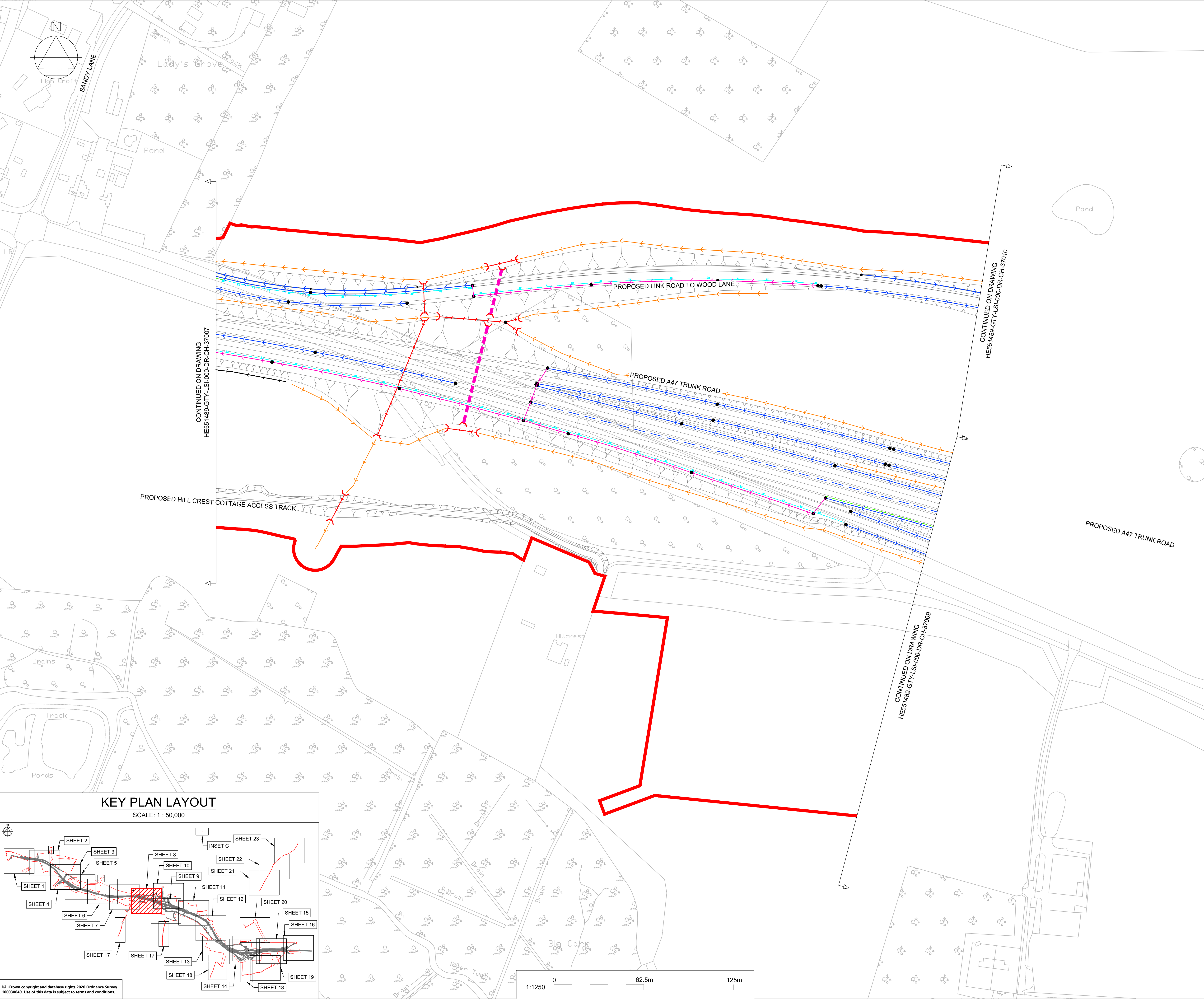
AUTHORISED AS STAGE 3 COMPLETED

SHEET SIZE	SCALE	STATUS	REVISION
A1	1:1250	A3	C01

DRAWING NUMBER

HE551489-GTY-LSI-000-DR-CH-37007

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NOTES

Purpose of use

FOR DCO SUBMISSION

Development Consent Order Number / Document

TR010038/APP/2.8(I)

1. ALL DIMENSIONS ARE IN METRES UNLESS STATED OTHERWISE.

2. THESE PLANS SHOULD BE READ IN CONJUNCTION WITH OTHER PLANS AND DOCUMENTS IN THE DEVELOPMENT CONSENT ORDER.

KEY TO SYMBOLS

ORDER LIMITS

SCHEME DESIGN

AREA NOT INCLUDED IN ORDER LIMITS

FILTER & LOWER CARRIER DRAINS

CARRIER DRAIN

COMBINED CARRIER & FILTER DRAIN

OVERSIZED PIPES FOR ATTENUATION

NARROW FILTER DRAIN / FIN DRAIN

COMBINED KERB DRAIN

MANHOLE / CATCHPIT

KERB AND GULLY

PROPOSED HEADWALL

DRAINAGE DITCH FOR OVER THE EDGE PROVISION

PRE EARTHWORKS DITCH (NATURAL CATCHMENTS)

PRE EARTHWORKS FILTER DRAINS

STRUCTURAL DECK DRAINAGE

PRE EARTHWORKS DITCH CROSS DRAIN

EXISTING SURFACE WATER BODIES

RIVER TUD / WATERCOURSE

CULVERTS

P01	26/11/20	FIRST ISSUE	AKno	JHar	JHar
P02	01/12/20	FIRST ISSUE	DPil	JHar	JHar
P03	07/12/20	DESIGN UPDATE	DPil	JHar	JHar
P04	12/02/21	DESIGN UPDATED	KMcC	JMcC	MR
P05	25/02/21	DCO SUBMISSION	TRil	JHar	MR
C01	25/02/21	DCO SUBMISSION	TRil	JHar	MR
REV	DATE	REVISION NOTE	ORG	CHKD	APPD

DESIGNER

SWECO

CONTRACTOR

GallifordTry

CLIENT

highways
england

PROJECT TITLE

A47 NORTH TUDDENHAM TO EASTON DUALLING

PROJECT STAGE

PCF STAGE 3

DRAWING TITLE

DRAINAGE AND SURFACE WATER PLANS
REGULATIONS 5(4)
SHEET 8 OF 23

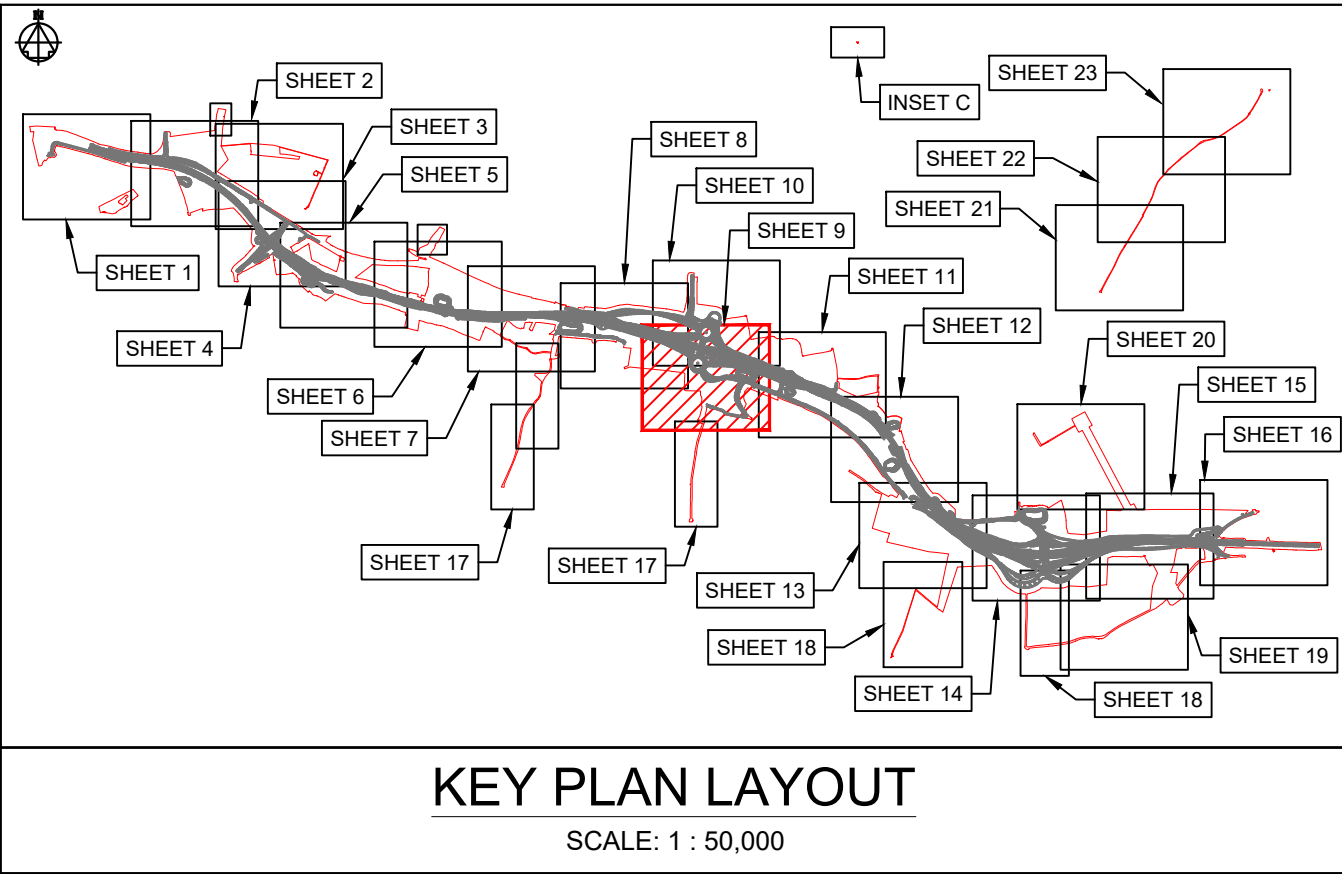
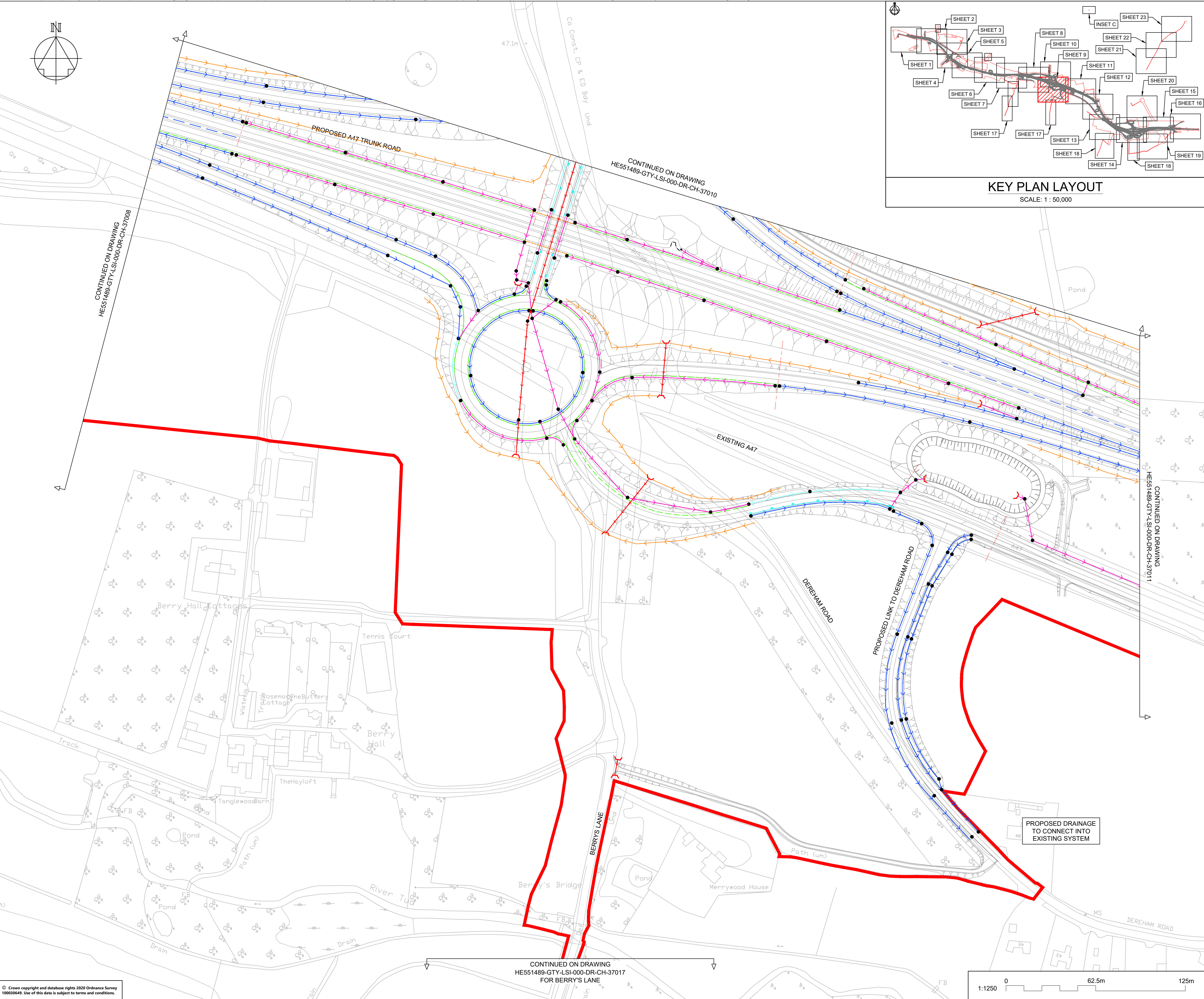
SUITABILITY

AUTHORISED AS STAGE 3 COMPLETED

SHEET SIZE	SCALE	STATUS	REVISION
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DRAWING NUMBER

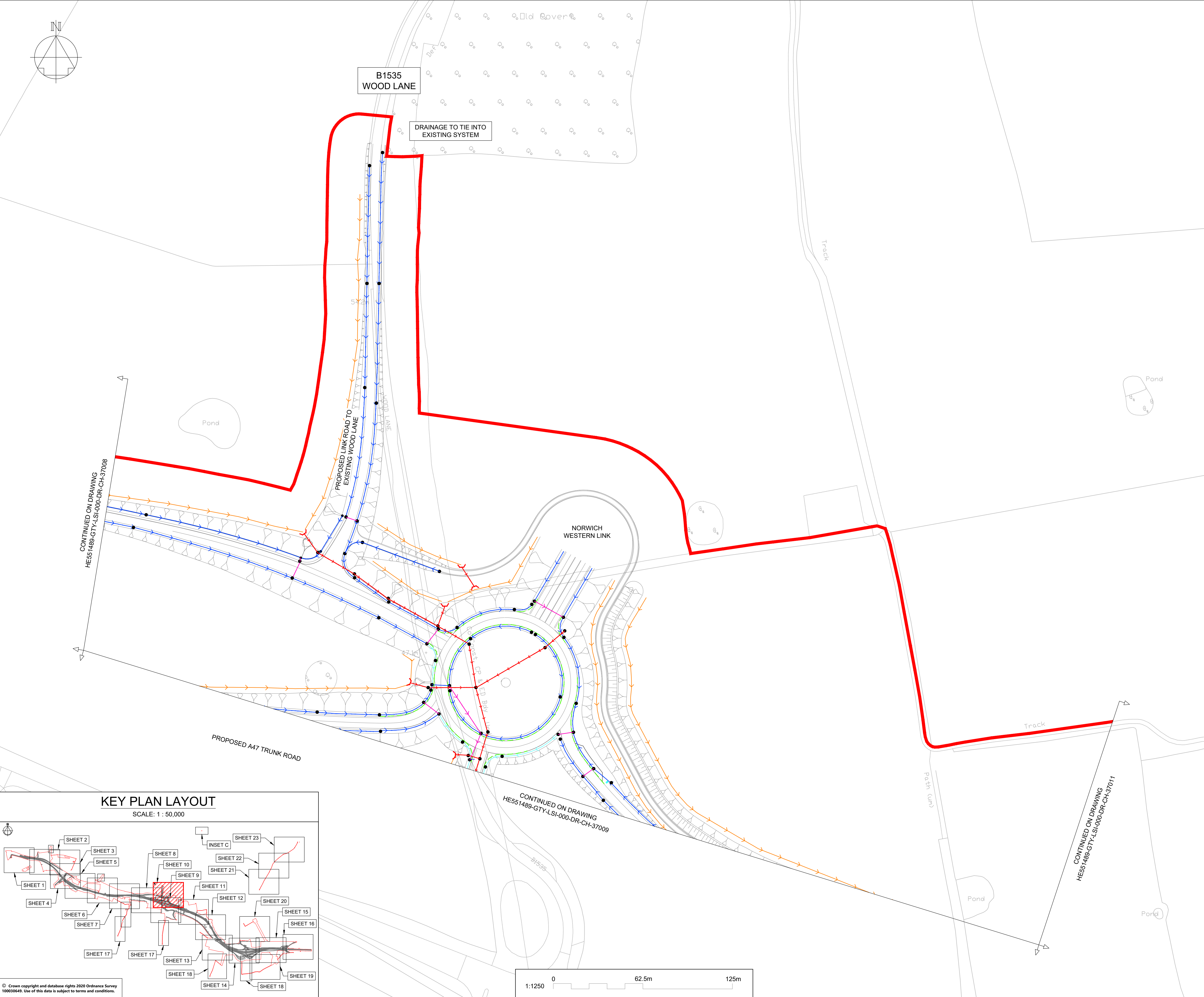
HE551489-GTY-LSI-000-DR-CH-37008



NOTES			
Purpose of use			
FOR DCO SUBMISSION			
Development Consent Order Number / Document			
TR010038/APP/2.8(J)			
1. ALL DIMENSIONS ARE IN METRES UNLESS STATED OTHERWISE.			
2. THESE PLANS SHOULD BE READ IN CONJUNCTION WITH OTHER PLANS AND DOCUMENTS IN THE DEVELOPMENT CONSENT ORDER.			
KEY TO SYMBOLS			
	ORDER LIMITS		
	SCHEME DESIGN		
	AREA NOT INCLUDED IN ORDER LIMITS		
	FILTER & LOWER CARRIER DRAINS		
	CARRIER DRAIN		
	COMBINED CARRIER & FILTER DRAIN		
	OVERSIZED PIPES FOR ATTENUATION		
	NARROW FILTER DRAIN / FIN DRAIN		
	COMBINED KERB DRAIN		
	MANHOLE / CATCHPIT		
	KERB AND GULLY		
	PROPOSED HEADWALL		
	DRAINAGE DITCH FOR OVER THE EDGE PROVISION		
	PRE EARTHWORKS DITCH (NATURAL CATCHMENTS)		
	PRE EARTHWORKS FILTER DRAINS		
	STRUCTURAL DECK DRAINAGE		
	PRE EARTHWORKS DITCH CROSS DRAIN		
	EXISTING SURFACE WATER BODIES		
	RIVER TUD / WATERCOURSE		
	CULVERTS		

P01	26/11/20	P01	AKno	JHar	JHar
P02	01/12/20	FIRST ISSUE	DPil	JHar	JHar
P03	07/12/20	DESIGN UPDATE	DPil	JHar	JHar
P04	12/02/21	DESIGN UPDATED	KMcC	JMcC	MR
P05	25/02/21	DCO SUBMISSION	TRil	JHar	MR
C01	25/02/21	DCO SUBMISSION	TRil	JHar	MR
P06	01/10/21	DCO DEADLINE 3		MR	MR
C02	01/10/21	DCO DEADLINE 3		MR	MR
P07	15/12/21	DEADLINE 6 ISSUE	AKno	BArt	BArt
C03	15/12/21	DEADLINE 6 ISSUE	AKno	BArt	BArt
REV	DATE	REVISION NOTE	ORG	CHKD	APPD

DESIGNER	SWECO			
CONTRACTOR	 GallifordTry			
CLIENT	 highways england			
PROJECT TITLE	A47 NORTH TUDDENHAM TO EASTON DUALLING			
PROJECT STAGE	PCF STAGE 4			
DRAWING TITLE	DRAINAGE AND SURFACE WATER PLANS REGULATIONS 5(4) SHEET 9 OF 23			
SUITABILITY	AUTHORISED AS STAGE 3 COMPLETED			
SHEET SIZE	SCALE	STATUS	REVISION	
A1	1:1250	A3	C03	
DRAWING NUMBER				
HE551489-GTY-LSI-000-DR-CH-37009				



NOTES

Purpose of use

FOR DCO SUBMISSION

Development Consent Order Number / Document

TR010038/APP/2.8(K)

1. ALL DIMENSIONS ARE IN METRES UNLESS STATED OTHERWISE.

2. THESE PLANS SHOULD BE READ IN CONJUNCTION WITH OTHER PLANS AND DOCUMENTS IN THE DEVELOPMENT CONSENT ORDER.

KEY TO SYMBOLS

ORDER LIMITS

SCHEME DESIGN

AREA NOT INCLUDED IN ORDER LIMITS

FILTER & LOWER CARRIER DRAINS

CARRIER DRAIN

COMBINED CARRIER & FILTER DRAIN

OVERSIZED PIPES FOR ATTENUATION

NARROW FILTER DRAIN / FIN DRAIN

COMBINED KERB DRAIN

MANHOLE / CATCHPIT

KERB AND GULLY

PROPOSED HEADWALL

DRAINAGE DITCH FOR OVER THE EDGE PROVISION

PRE EARTHWORKS DITCH (NATURAL CATCHMENTS)

PRE EARTHWORKS FILTER DRAINS

STRUCTURAL DECK DRAINAGE

PRE EARTHWORKS DITCH CROSS DRAIN

EXISTING SURFACE WATER BODIES

RIVER TUD / WATERCOURSE

CULVERTS

P01	26/11/20	FIRST ISSUE	AKno	JHar	JHar
P02	01/12/20	FIRST ISSUE	DPil	JHar	JHar
P03	07/12/20	DESIGN UPDATE	DPil	JHar	JHar
P04	12/02/21	DESIGN UPDATED	KMcC	JMcC	MR
P05	25/02/21	DCO SUBMISSION	TRil	JHar	MR
C01	25/02/21	DCO SUBMISSION	TRil	JHar	MR
REV	DATE	REVISION NOTE	ORG	CHKD	APPD

DESIGNER

SWECO

CONTRACTOR

GallifordTry

CLIENT

highways
england

PROJECT TITLE

A47 NORTH TUDDENHAM TO EASTON DUALLING

PROJECT STAGE

PCF STAGE 3

DRAWING TITLE

DRAINAGE AND SURFACE WATER PLANS
REGULATIONS 5(4)
SHEET 10 OF 23

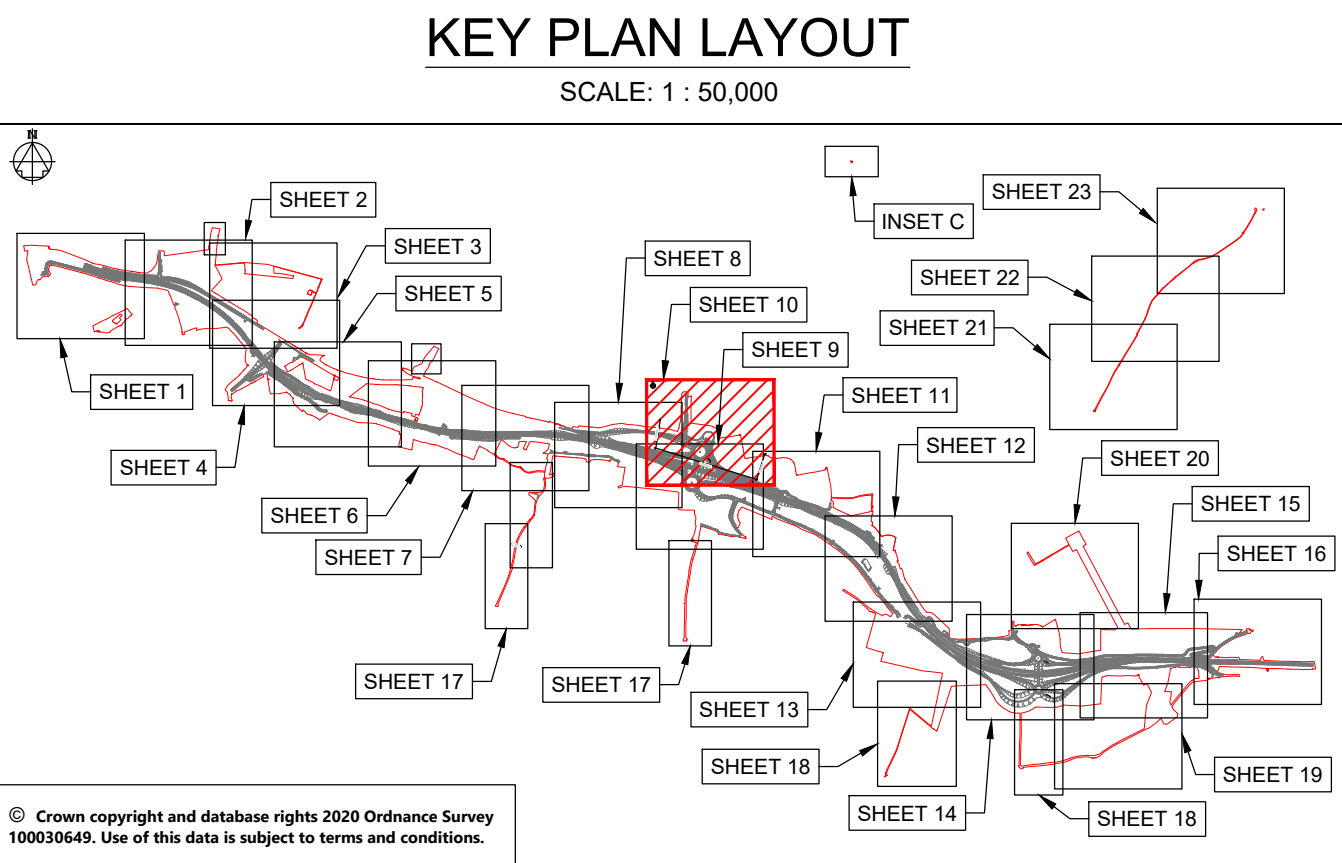
SUITABILITY

AUTHORISED AS STAGE 3 COMPLETED

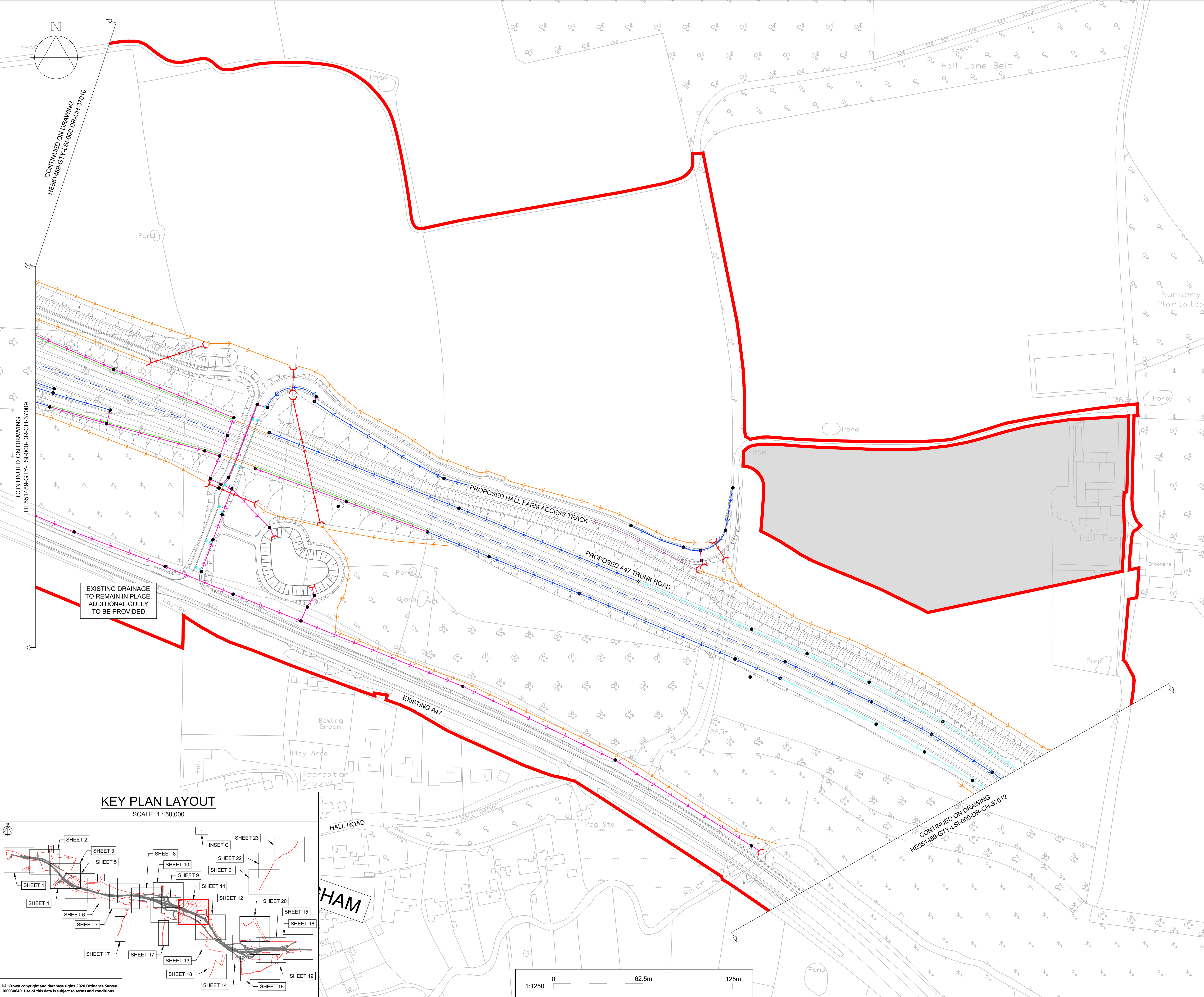
SHEET SIZE	SCALE	STATUS	REVISION
A1	1:1250	A3	C01

DRAWING NUMBER

HE551489-GTY-LSI-000-DR-CH-37010



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NOTES

Purpose of use

FOR DCO SUBMISSION

Development Consent Order Number / Document

TR010038/APP/2.8(L)

1. ALL DIMENSIONS ARE IN METRES UNLESS STATED OTHERWISE.

2. THESE PLANS SHOULD BE READ IN CONJUNCTION WITH OTHER PLANS AND DOCUMENTS IN THE DEVELOPMENT CONSENT ORDER.

KEY TO SYMBOLS

ORDER LIMITS

SCHEME DESIGN

AREA NOT INCLUDED IN ORDER LIMITS

FILTER & LOWER CARRIER DRAINS

CARRIER DRAIN

COMBINED CARRIER & FILTER DRAIN

OVERSIZED PIPES FOR ATTENUATION

NARROW FILTER DRAIN / FIN DRAIN

COMBINED KERB DRAIN

MANHOLE / CATCHPIT

KERB AND GULLY

PROPOSED HEADWALL

DRAINAGE DITCH FOR OVER THE EDGE PROVISION

PRE EARTHWORKS DITCH (NATURAL CATCHMENTS)

PRE EARTHWORKS FILTER DRAINS

STRUCTURAL DECK DRAINAGE

PRE EARTHWORKS DITCH CROSS DRAIN

EXISTING SURFACE WATER BODIES

RIVER TUD / WATERCOURSE

CULVERTS

P01	26/11/20	FIRST ISSUE	AKno	JHar	JHar
P02	01/12/20	FIRST ISSUE	DPil	JHar	JHar
P03	07/12/20	DESIGN UPDATE	DPil	JHar	JHar
P04	12/02/21	DESIGN UPDATED	KMcC	JMcC	MR
P05	25/02/21	DCO SUBMISSION	TRil	JHar	MR
C01	25/02/21	DCO SUBMISSION	TRil	JHar	MR
REV	DATE	REVISION NOTE	ORG	CHKD	APPD

DESIGNER

SWECO

CONTRACTOR

GallifordTry

CLIENT

highways
england

PROJECT TITLE

A47 NORTH TUDDENHAM TO EASTON DUALLING

PROJECT STAGE

PCF STAGE 3

DRAWING TITLE

DRAINAGE AND SURFACE WATER PLANS REGULATIONS 5(4)
SHEET 11 OF 23

SUITABILITY

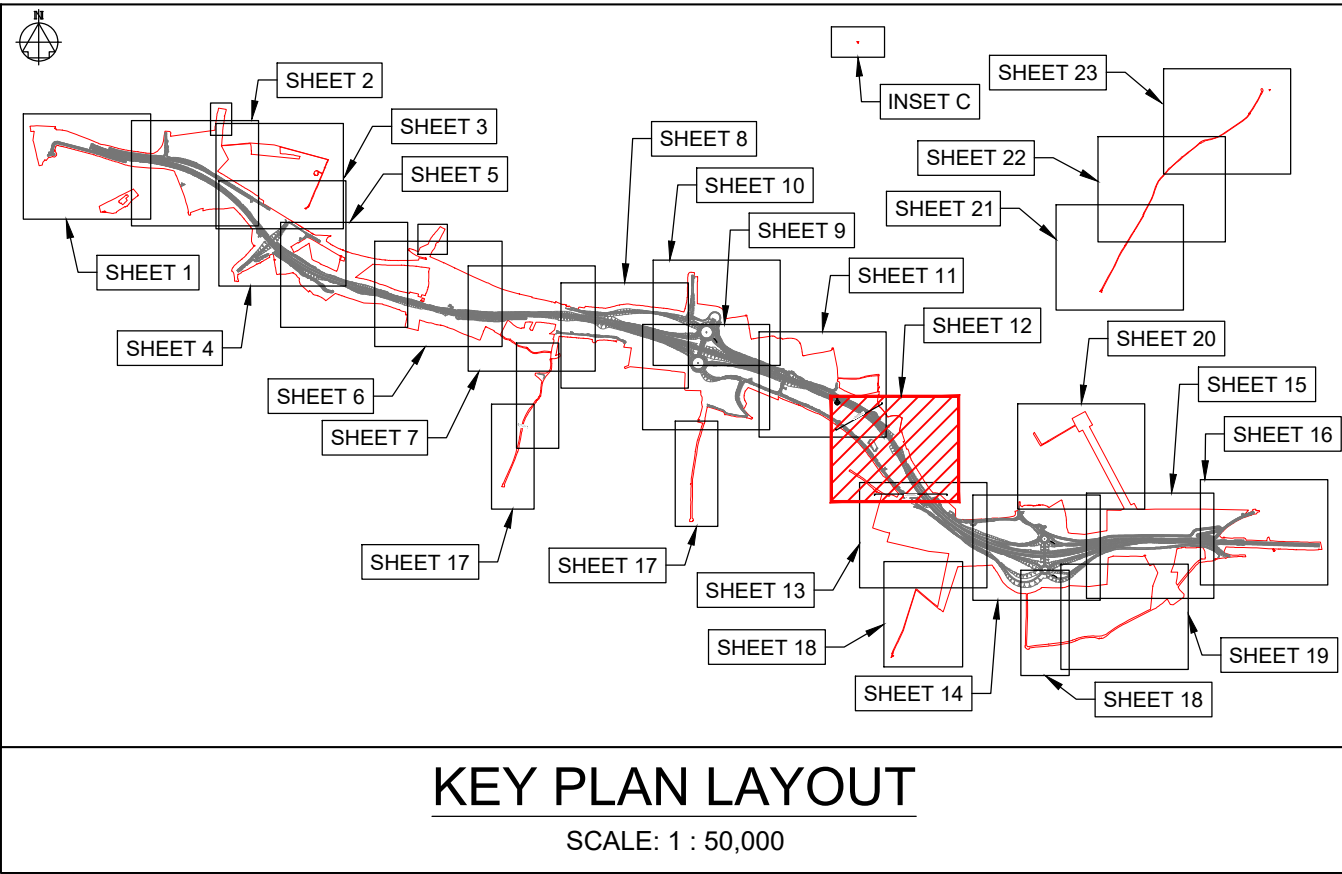
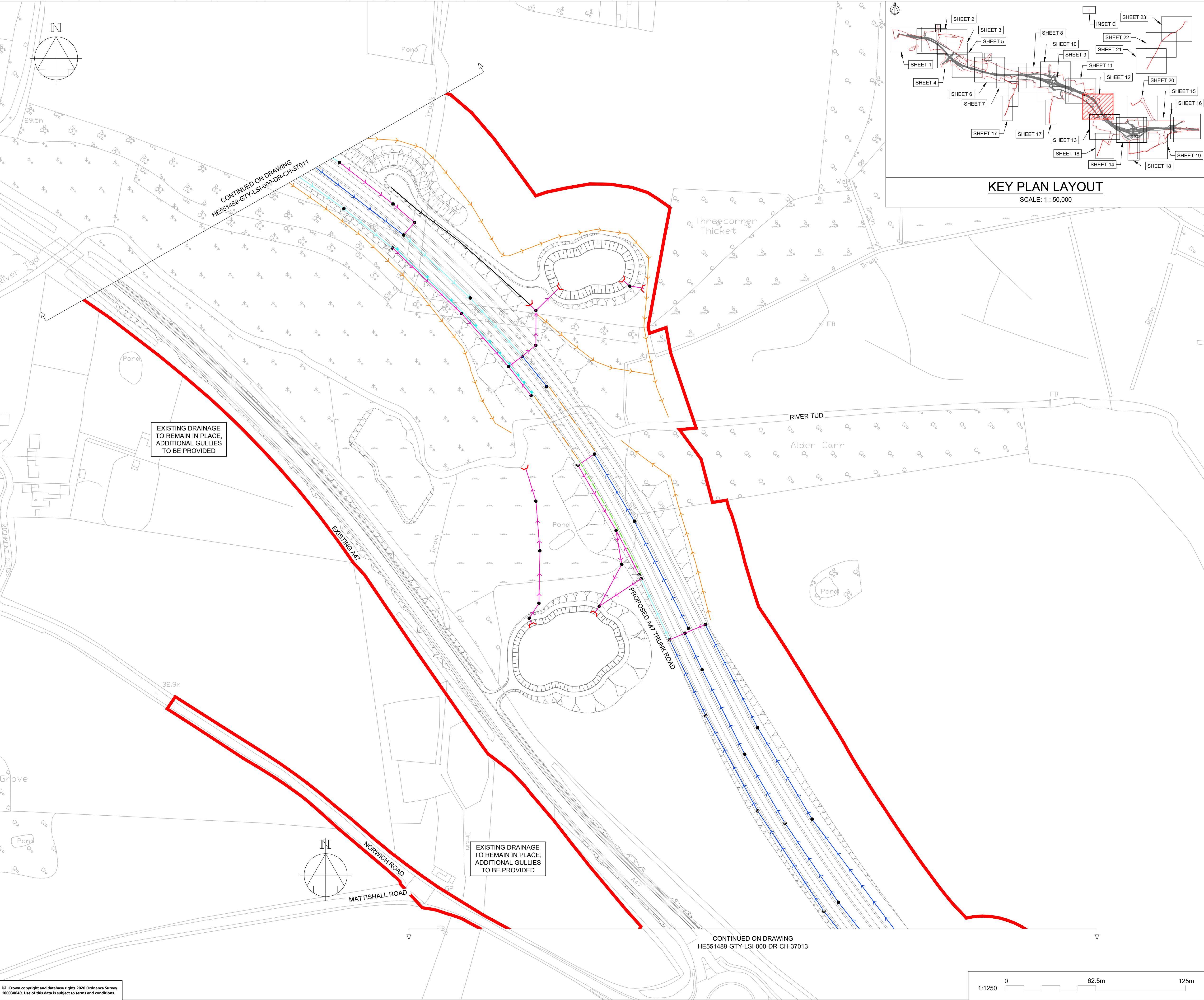
AUTHORISED AS STAGE 3 COMPLETED

SHEET SIZE	SCALE	STATUS	REVISION
A1	1:1250	A3	C01

DRAWING NUMBER

HE551489-GTY-LSI-000-DR-CH-37011

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NOTES

Purpose of use

FOR DCO SUBMISSION

Development Consent Order Number / Document

TR010038/APP/2.8(M)

1. ALL DIMENSIONS ARE IN METRES UNLESS STATED OTHERWISE.

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KEY TO SYMBOLS

ORDER LIMITS

SCHEME DESIGN

AREA NOT INCLUDED IN ORDER LIMITS

FILTER & LOWER CARRIER DRAINS

CARRIER DRAIN

COMBINED CARRIER & FILTER DRAIN

OVERSIZED PIPES FOR ATTENUATION

NARROW FILTER DRAIN / FIN DRAIN

COMBINED KERB DRAIN

MANHOLE / CATCHPIT

KERB AND GULLY

PROPOSED HEADWALL

DRAINAGE DITCH FOR OVER THE EDGE PROVISION

PRE EARTHWORKS DITCH (NATURAL CATCHMENTS)

PRE EARTHWORKS FILTER DRAINS

STRUCTURAL DECK DRAINAGE

PRE EARTHWORKS DITCH CROSS DRAIN

EXISTING SURFACE WATER BODIES

RIVER TUD / WATERCOURSE

CULVERTS

P01	26/11/20	FIRST ISSUE	AKno	JHar	JHar
P02	01/12/20	FIRST ISSUE	DPil	JHar	JHar
P03	07/12/20	DESIGN UPDATE	DPil	JHar	JHar
P04	12/02/21	DESIGN UPDATED	KMcC	JMcC	MR
P05	25/02/21	DCO SUBMISSION	JHar	JHar	MR
C01	25/02/21	DCO SUBMISSION	JHar	JHar	MR
REV	DATE	REVISION NOTE	ORG	CHKD	APPD

DESIGNER

SWECO

CONTRACTOR

GallifordTry

CLIENT

highways
england

PROJECT TITLE

A47 NORTH TUDDENHAM TO EASTON DUALLING

PROJECT STAGE

PCF STAGE 3

DRAWING TITLE

DRAINAGE AND SURFACE WATER PLANS
REGULATIONS 5(4)
SHEET 12 OF 23

SUITABILITY

AUTHORISED AS STAGE 3 COMPLETED

SHEET SIZE

A1

SCALE

1:1250

STATUS

A3

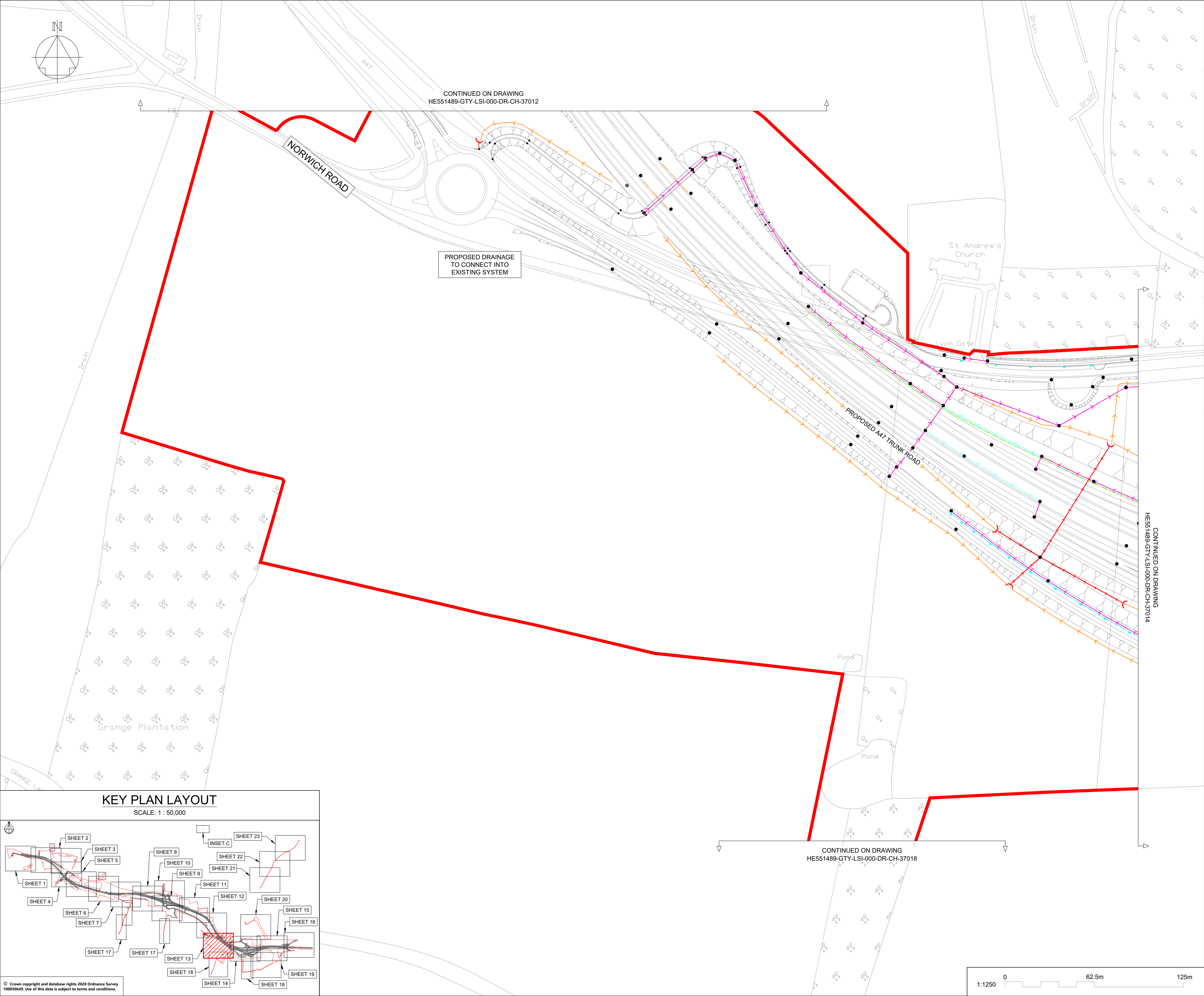
REVISION

C01

DRAWING NUMBER

HE551489-GTY-LSI-000-DR-CH-37012

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NOTES

Purpose of use

FOR DCO SUBMISSION

Development Consent Order Number / Document

TR010038/APP/2.8(N)

1. ALL DIMENSIONS ARE IN METRES UNLESS STATED OTHERWISE.

2. THESE PLANS SHOULD BE READ IN CONJUNCTION WITH OTHER PLANS AND DOCUMENTS IN THE DEVELOPMENT CONSENT ORDER.

KEY TO SYMBOLS

ORDER LIMITS

SCHEME DESIGN

AREA NOT INCLUDED IN ORDER LIMITS

FILTER & LOWER CARRIER DRAINS

CARRIER DRAIN

COMBINED CARRIER & FILTER DRAIN

OVERSIZED PIPES FOR ATTENUATION

NARROW FILTER DRAIN / FIN DRAIN

COMBINED KERB DRAIN

MANHOLE / CATCHPIT

KERB AND GULLY

PROPOSED HEADWALL

DRAINAGE DITCH FOR OVER THE EDGE PROVISION

PRE EARTHWORKS DITCH (NATURAL CATCHMENTS)

PRE EARTHWORKS FILTER DRAINS

STRUCTURAL DECK DRAINAGE

PRE EARTHWORKS DITCH CROSS DRAIN

EXISTING SURFACE WATER BODIES

RIVER TUD / WATERCOURSE

CULVERTS

P01	26/11/20	FIRST ISSUE	AKno	JHar	JHar
P02	01/12/20	FIRST ISSUE	DPil	JHar	JHar
P03	07/12/20	DESIGN UPDATE	DPil	JHar	JHar
P04	12/02/21	DESIGN UPDATED	KMcC	JMcC	MR
P05	25/02/21	DCO SUBMISSION	TRil	JHar	MR
C01	25/02/21	DCO SUBMISSION	TRil	JHar	MR
REV	DATE	REVISION NOTE	ORG	CHKD	APPD

DESIGNER

SWECO

CONTRACTOR

GallifordTry

CLIENT

highways
england

PROJECT TITLE

A47 NORTH TUDDENHAM TO EASTON DUALLING

PROJECT STAGE

PCF STAGE 3

DRAWING TITLE

DRAINAGE AND SURFACE WATER PLANS
REGULATIONS 5(4)
SHEET 13 OF 23

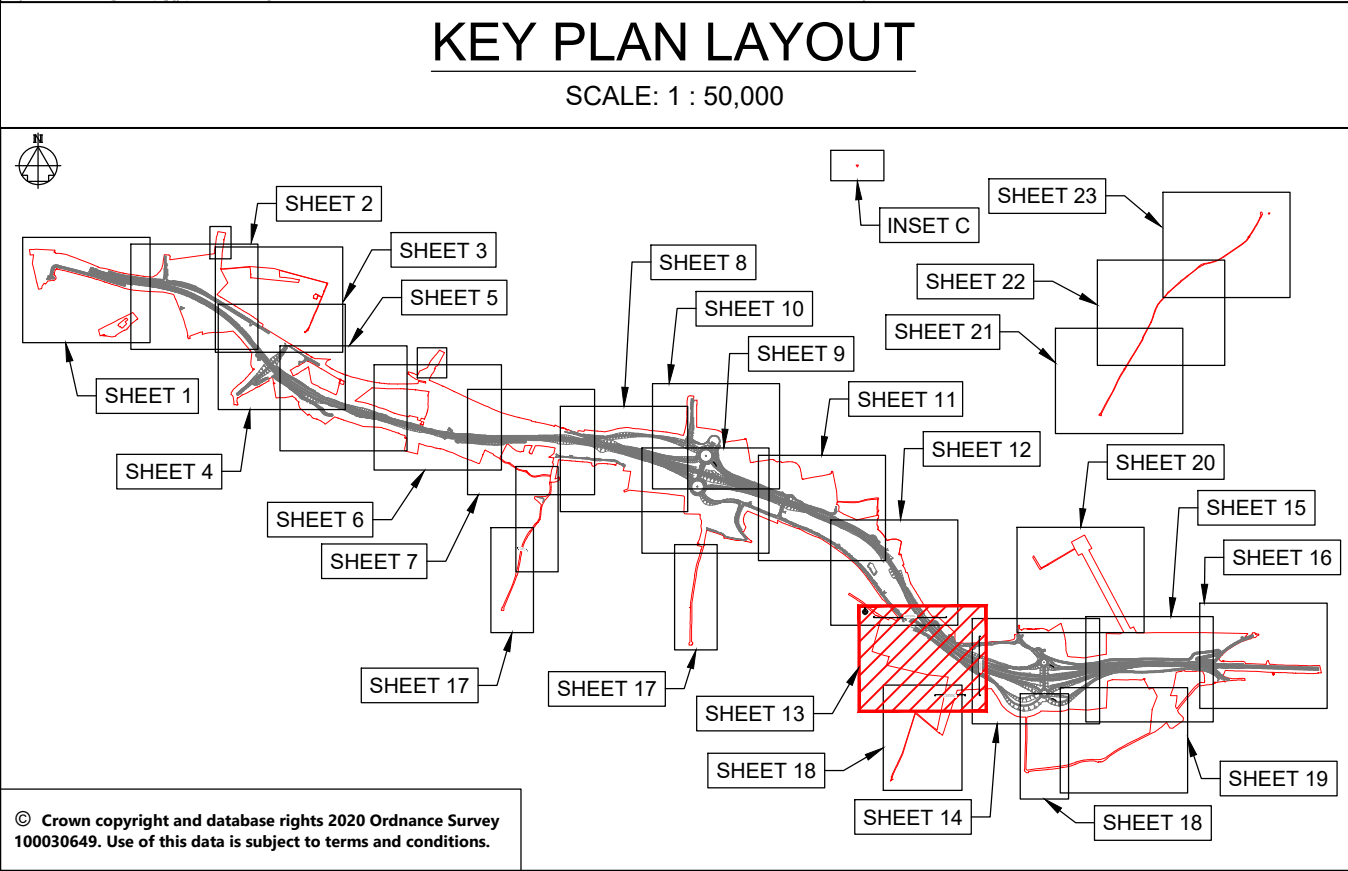
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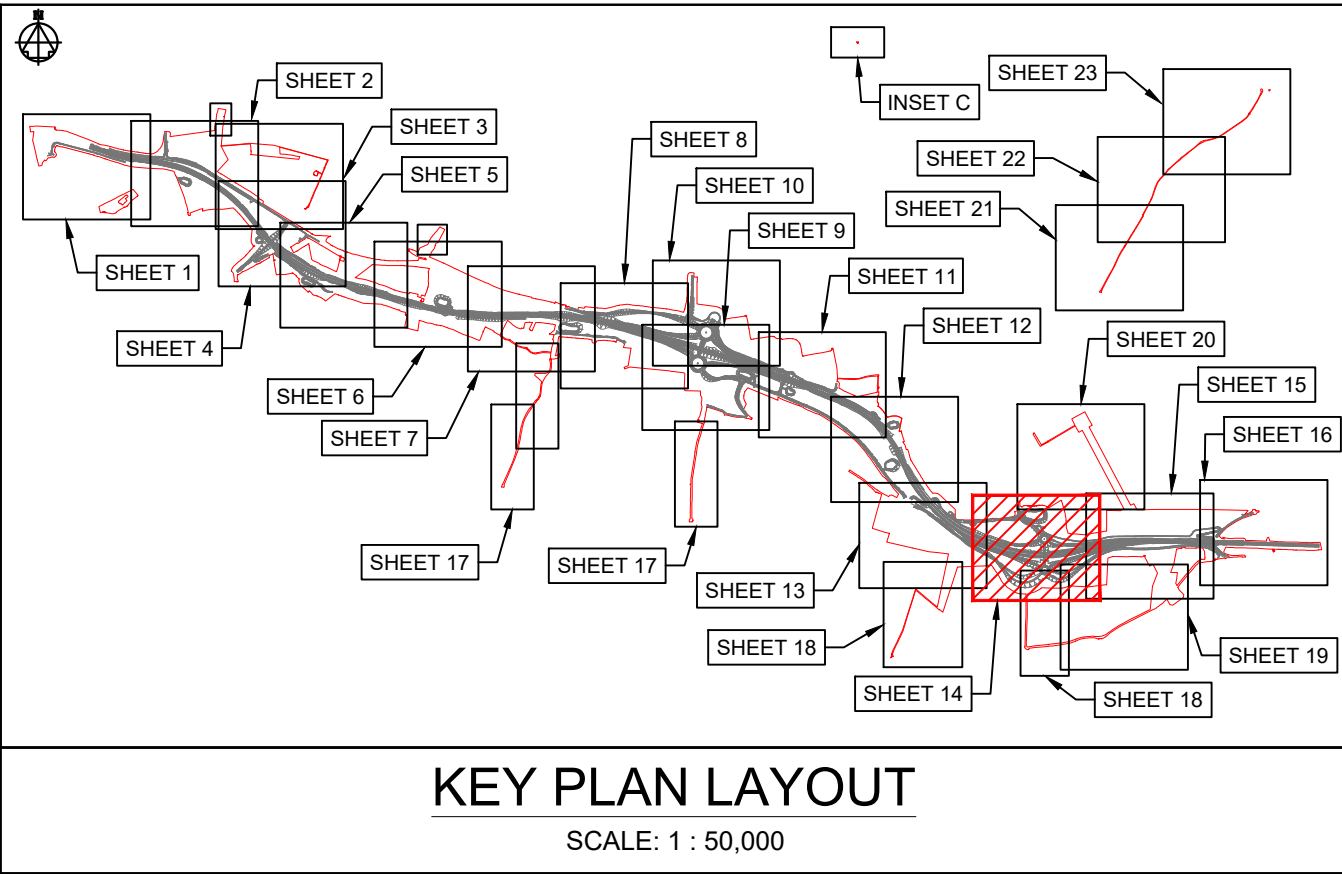
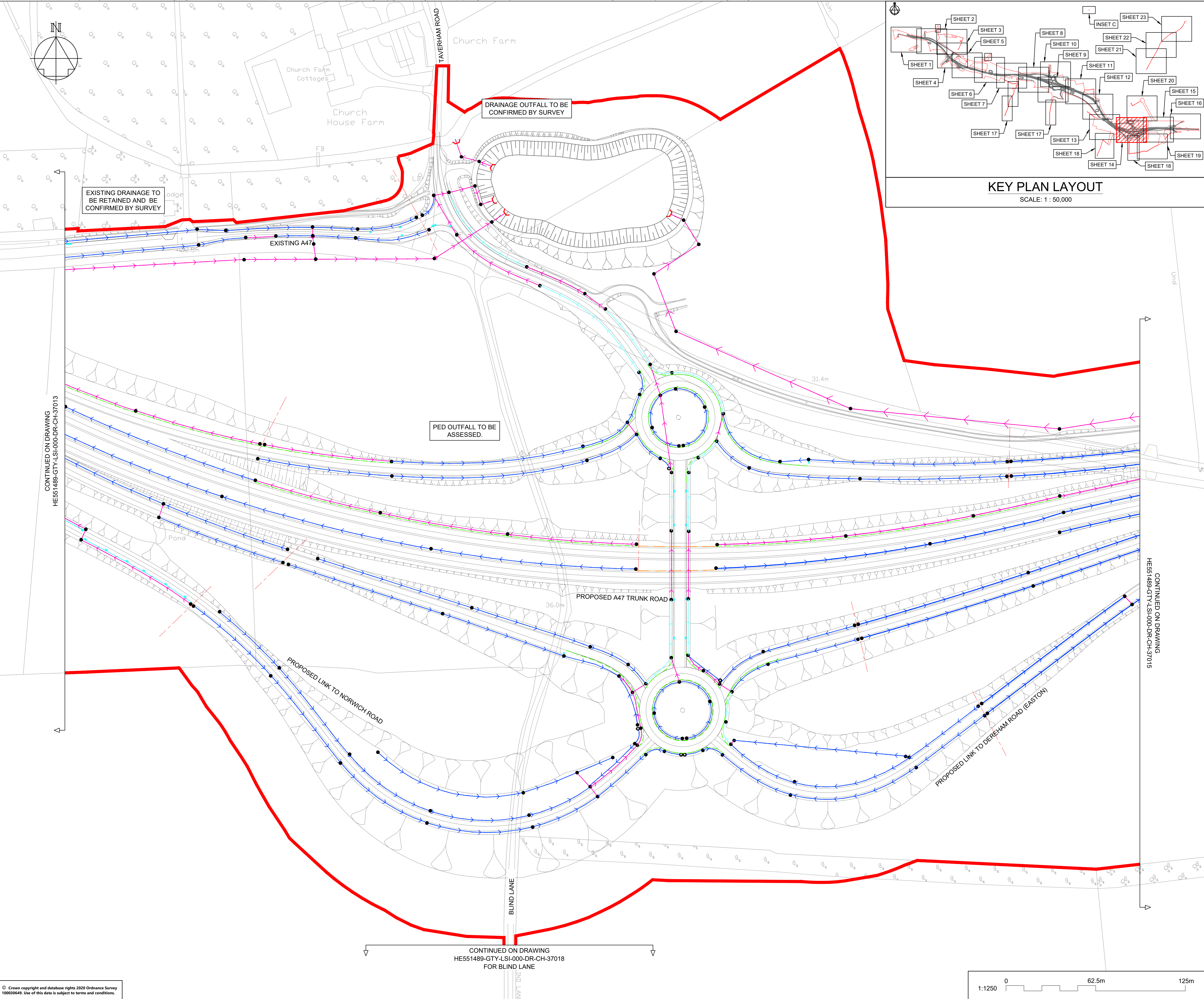
AUTHORISED AS STAGE 3 COMPLETED

SHEET SIZE	SCALE	STATUS	REVISION
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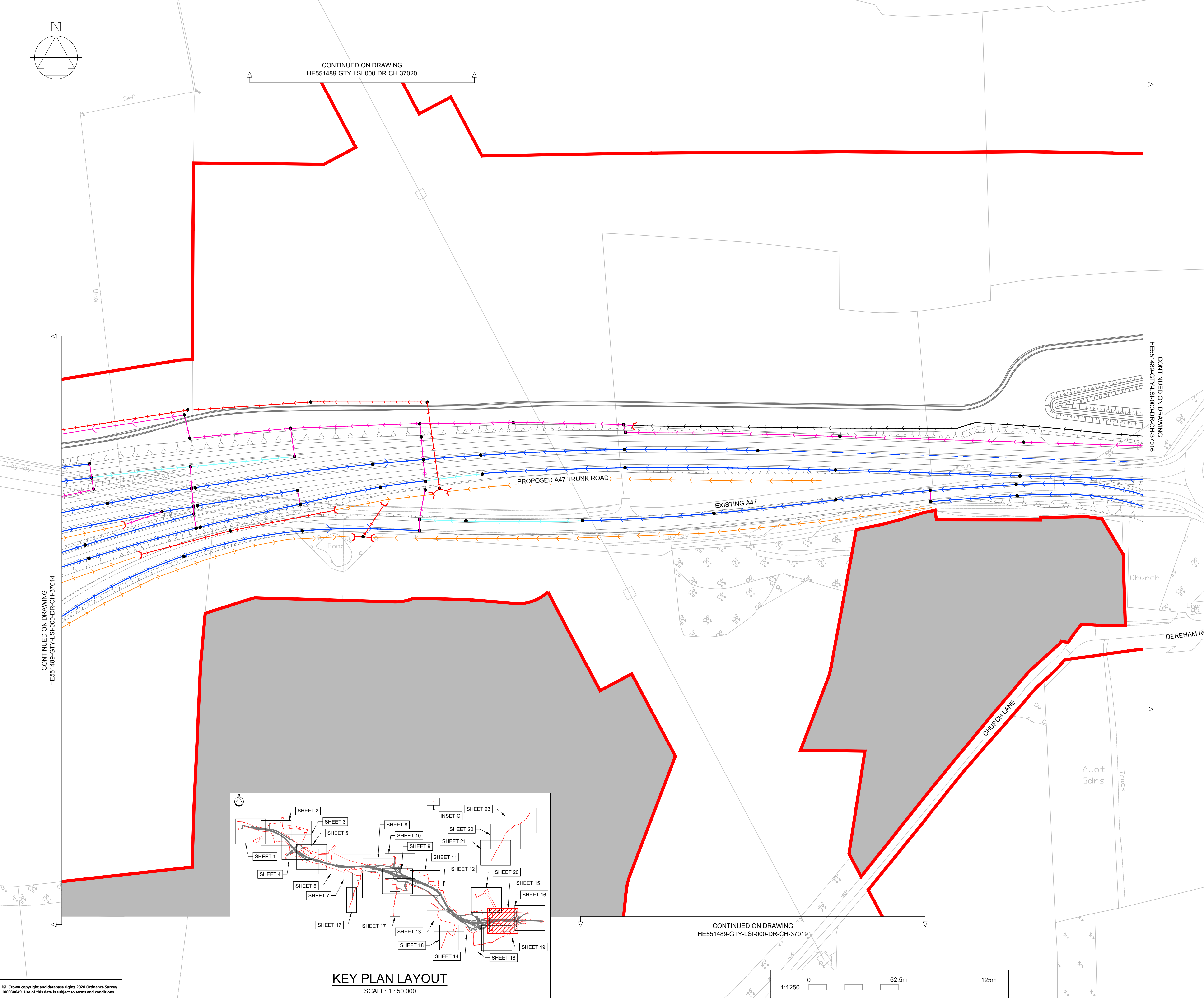
DRAWING NUMBER

HE551489-GTY-LSI-000-DR-CH-37013





NOTES					
Purpose of use					
FOR DCO SUBMISSION					
Development Consent Order Number / Document					
TR010038/APP/2.8(O)					
1. ALL DIMENSIONS ARE IN METRES UNLESS STATED OTHERWISE.					
2. THESE PLANS SHOULD BE READ IN CONJUNCTION WITH OTHER PLANS AND DOCUMENTS IN THE DEVELOPMENT CONSENT ORDER.					
KEY TO SYMBOLS					
ORDER LIMITS SCHEME DESIGN AREA NOT INCLUDED IN ORDER LIMITS FILTER & LOWER CARRIER DRAINS CARRIER DRAIN COMBINED CARRIER & FILTER DRAIN OVERSIZED PIPES FOR ATTENUATION NARROW FILTER DRAIN / FIN DRAIN COMBINED KERB DRAIN MANHOLE / CATCHPIT KERB AND GULLY PROPOSED HEADWALL DRAINAGE DITCH FOR OVER THE EDGE PROVISION PRE EARTHWORKS DITCH (NATURAL CATCHMENTS) PRE EARTHWORKS FILTER DRAINS STRUCTURAL DECK DRAINAGE PRE EARTHWORKS DITCH CROSS DRAIN EXISTING SURFACE WATER BODIES RIVER TUD / WATERCOURSE CULVERTS					
P01	26/11/20	P01	AKno	JHar	JHar
P02	01/12/20	FIRST ISSUE	DPil	JHar	JHar
P03	07/12/20	DESIGN UPDATE	DPil	JHar	JHar
P04	12/02/21	DESIGN UPDATED	KMcC	JMcC	MR
P05	25/02/21	DCO SUBMISSION	TRil	JHar	MR
C01	25/02/21	DCO SUBMISSION	TRil	JHar	MR
P06	01/10/21	DCO DEADLINE 3		MR	MR
C02	01/10/21	DCO DEADLINE 3		MR	MR
P07	15/12/21	DEADLINE 6 ISSUE	AKno	MR	MR
C03	15/12/21	DEADLINE 6 ISSUE	AKno	MR	MR
REV	DATE	REVISION NOTE	ORG	CHKD	APPD
DESIGNER					
SWECO					
CONTRACTOR					
GallifordTry					
CLIENT					
highways england					
PROJECT TITLE					
A47 NORTH TUDDENHAM TO EASTON DUALLING					
PROJECT STAGE					
PCF STAGE 4					
DRAWING TITLE					
DRAINAGE AND SURFACE WATER PLANS REGULATIONS 5(4) SHEET 14 OF 23					
SUITABILITY					
AUTHORISED AS STAGE 3 COMPLETED					
SHEET SIZE	SCALE	STATUS	REVISION		
A1	1:1250	A3	C03		
DRAWING NUMBER					
HE551489-GTY-LSI-000-DR-CH-37014					



NOTES

Purpose of use

FOR DCO SUBMISSION

Development Consent Order Number / Document

TR010038/APP/2.8(P)

1. ALL DIMENSIONS ARE IN METRES UNLESS STATED OTHERWISE.

2. THESE PLANS SHOULD BE READ IN CONJUNCTION WITH OTHER PLANS AND DOCUMENTS IN THE DEVELOPMENT CONSENT ORDER.

KEY TO SYMBOLS

ORDER LIMITS

SCHEME DESIGN

AREA NOT INCLUDED IN ORDER LIMITS

FILTER & LOWER CARRIER DRAINS

CARRIER DRAIN

COMBINED CARRIER & FILTER DRAIN

OVERSIZED PIPES FOR ATTENUATION

NARROW FILTER DRAIN / FIN DRAIN

COMBINED KERB DRAIN

MANHOLE / CATCHPIT

KERB AND GULLY

PROPOSED HEADWALL

DRAINAGE DITCH FOR OVER THE EDGE PROVISION

PRE EARTHWORKS DITCH (NATURAL CATCHMENTS)

PRE EARTHWORKS FILTER DRAINS

STRUCTURAL DECK DRAINAGE

PRE EARTHWORKS DITCH CROSS DRAIN

EXISTING SURFACE WATER BODIES

RIVER TUD / WATERCOURSE

CULVERTS

P01	26/11/20	FIRST ISSUE	AKno	JHar	JHar
P02	01/12/20	FIRST ISSUE	DPil	JHar	JHar
P03	07/12/20	DESIGN UPDATE	DPil	JHar	JHar
P04	12/02/21	DESIGN UPDATED	KMcC	JMcC	MR
P05	25/02/21	DCO SUBMISSION	TRil	JHar	MR
C01	25/02/21	DCO SUBMISSION	TRil	JHar	MR
REV	DATE	REVISION NOTE	ORG	CHKD	APPD

DESIGNER

SWECO

CONTRACTOR

GallifordTry

CLIENT

highways

england

PROJECT TITLE

A47 NORTH TUDDENHAM TO EASTON DUALLING

PROJECT STAGE

PCF STAGE 3

DRAWING TITLE

DRAINAGE AND SURFACE WATER PLANS REGULATIONS 5(4) SHEET 15 OF 23

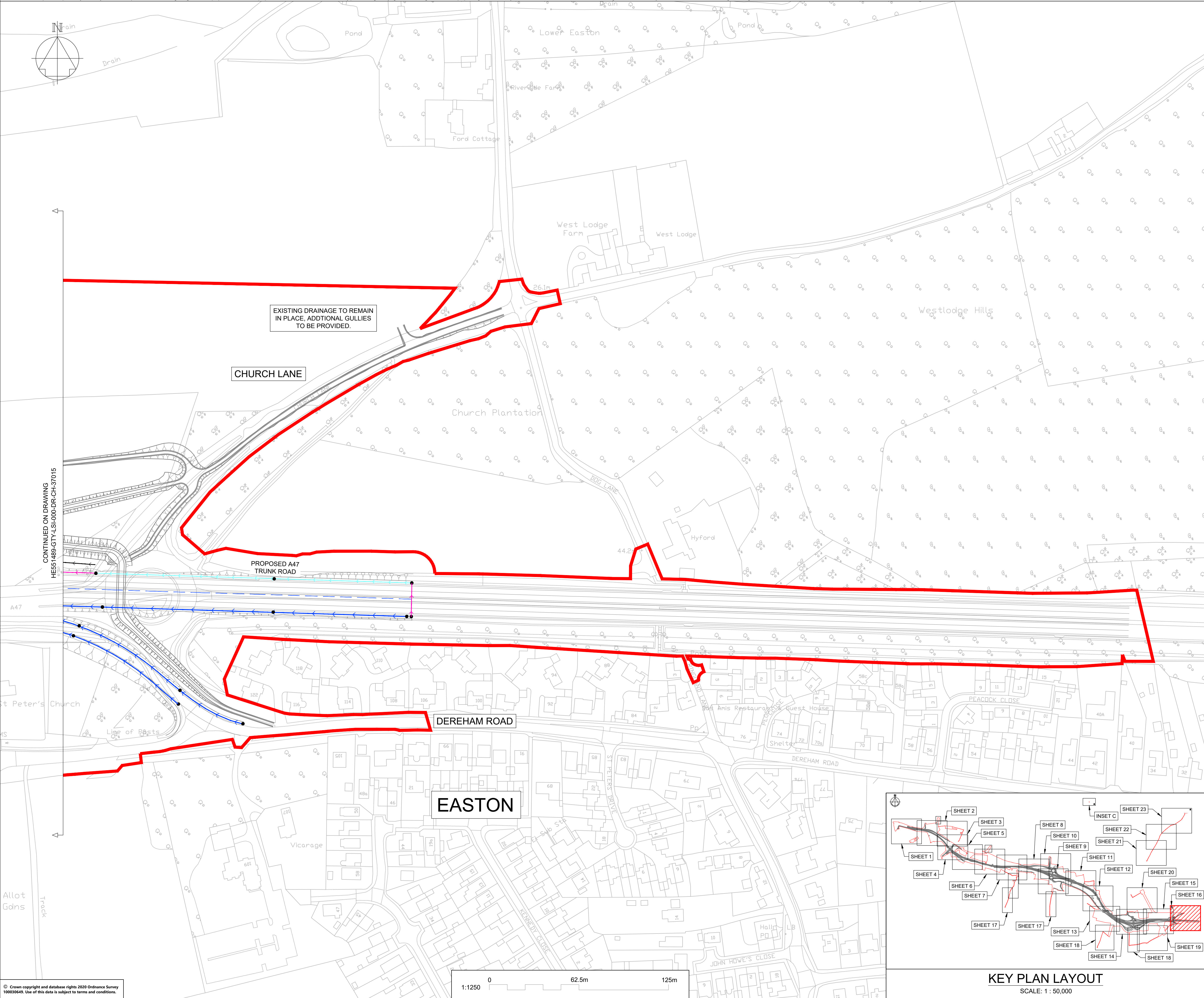
SUITABILITY

AUTHORISED AS STAGE 3 COMPLETED

SHEET SIZE	SCALE	STATUS	REVISION
A1	1:1250	A3	C01

DRAWING NUMBER

HE551489-GTY-LSI-000-DR-CH-37015



NOTES

Purpose of use

FOR DCO SUBMISSION

Development Consent Order Number / Document

TR010038/APP/2.8(Q)

1. ALL DIMENSIONS ARE IN METRES UNLESS STATED OTHERWISE.

2. THESE PLANS SHOULD BE READ IN CONJUNCTION WITH OTHER PLANS AND DOCUMENTS IN THE DEVELOPMENT CONSENT ORDER.

KEY TO SYMBOLS

ORDER LIMITS

SCHEME DESIGN

AREA NOT INCLUDED IN ORDER LIMITS

FILTER & LOWER CARRIER DRAINS

CARRIER DRAIN

COMBINED CARRIER & FILTER DRAIN

OVERSIZED PIPES FOR ATTENUATION

NARROW FILTER DRAIN / FIN DRAIN

COMBINED KERB DRAIN

MANHOLE / CATCHPIT

KERB AND GULLY

PROPOSED HEADWALL

DRAINAGE DITCH FOR OVER THE EDGE PROVISION

PRE EARTHWORKS DITCH (NATURAL CATCHMENTS)

PRE EARTHWORKS FILTER DRAINS

STRUCTURAL DECK DRAINAGE

PRE EARTHWORKS DITCH CROSS DRAIN

EXISTING SURFACE WATER BODIES

RIVER TUD / WATERCOURSE

CULVERTS

P01	26/11/20	FIRST ISSUE		AKno	JHar
P02	01/12/20	FIRST ISSUE		DPil	JHar
P03	07/12/20	DESIGN UPDATE		DPil	JHar
P04	12/02/21	DESIGN UPDATED		KMcC	JMcC
P05	25/02/21	DCO SUBMISSION		TRil	JHar
C01	25/02/21	DCO SUBMISSION		TRil	JHar
REV	DATE	REVISION NOTE		ORG	CHKD

DESIGNER

SWECO

CONTRACTOR

GallifordTry

CLIENT

highways
england

PROJECT TITLE

A7 NORTH TUDDENHAM TO EASTON DUALLING

PROJECT STAGE

PCF STAGE 3

DRAWING TITLE

DRAINAGE AND SURFACE WATER PLANS REGULATIONS 5(4)
SHEET 16 OF 23

SUITABILITY

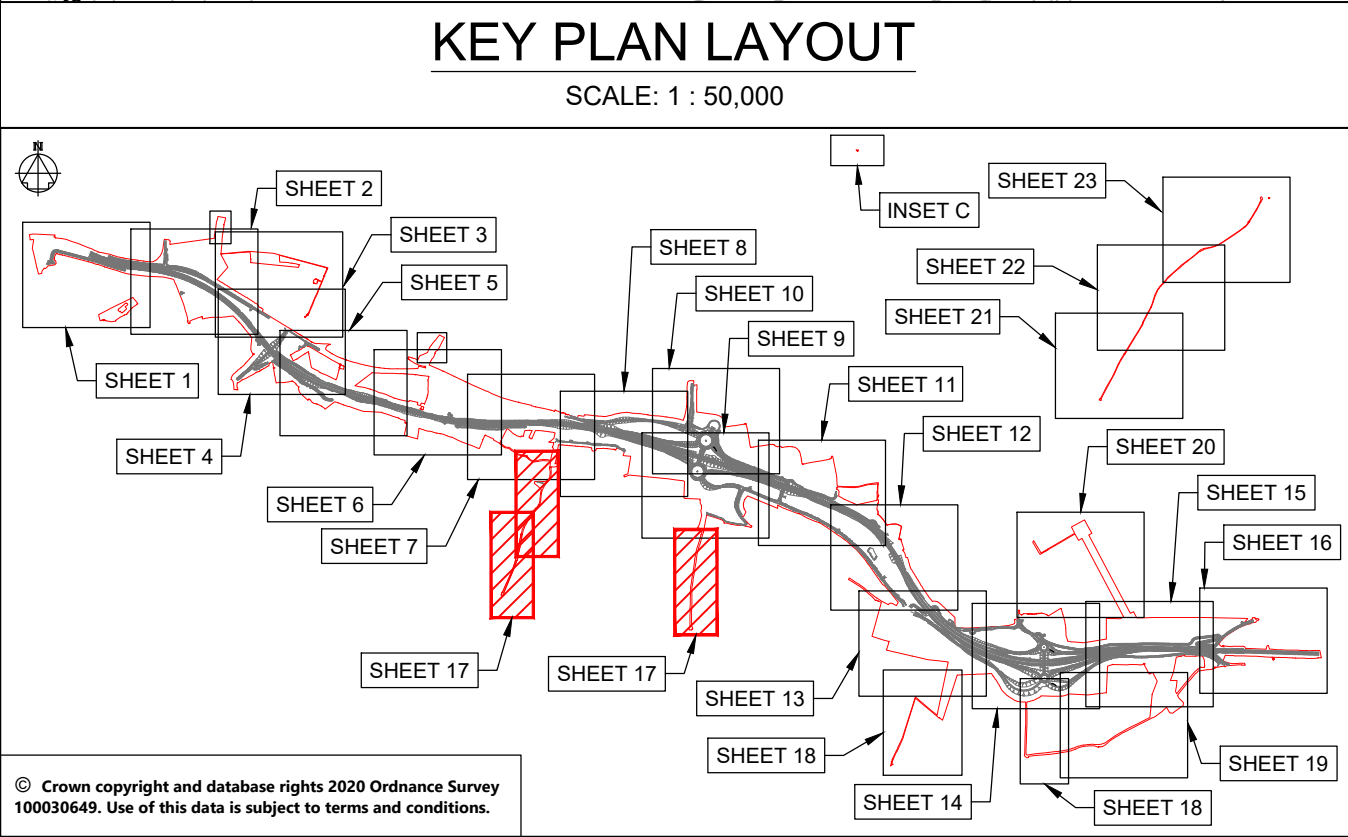
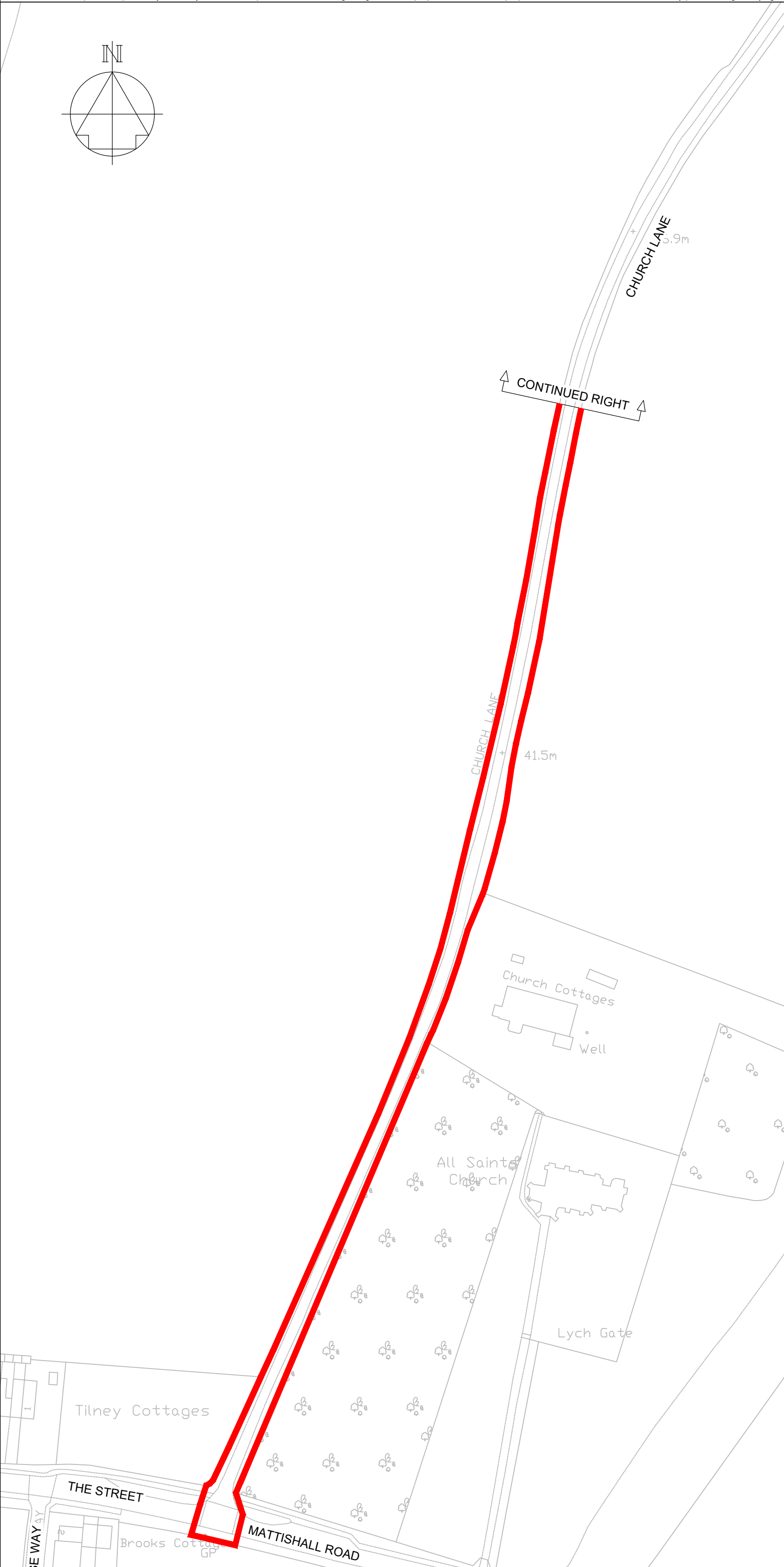
AUTHORISED AS STAGE 3 COMPLETED

SHEET SIZE	SCALE	STATUS	REVISION
A1	1:1250	A3	C01

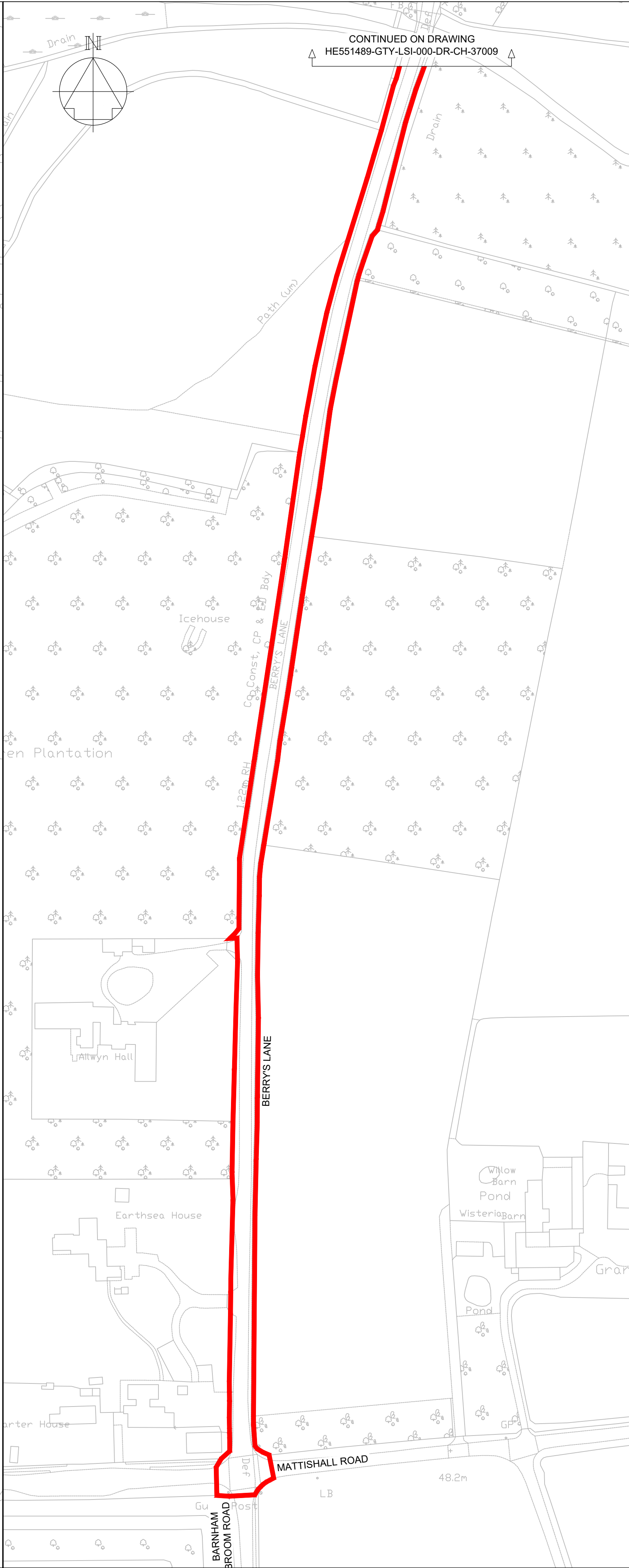
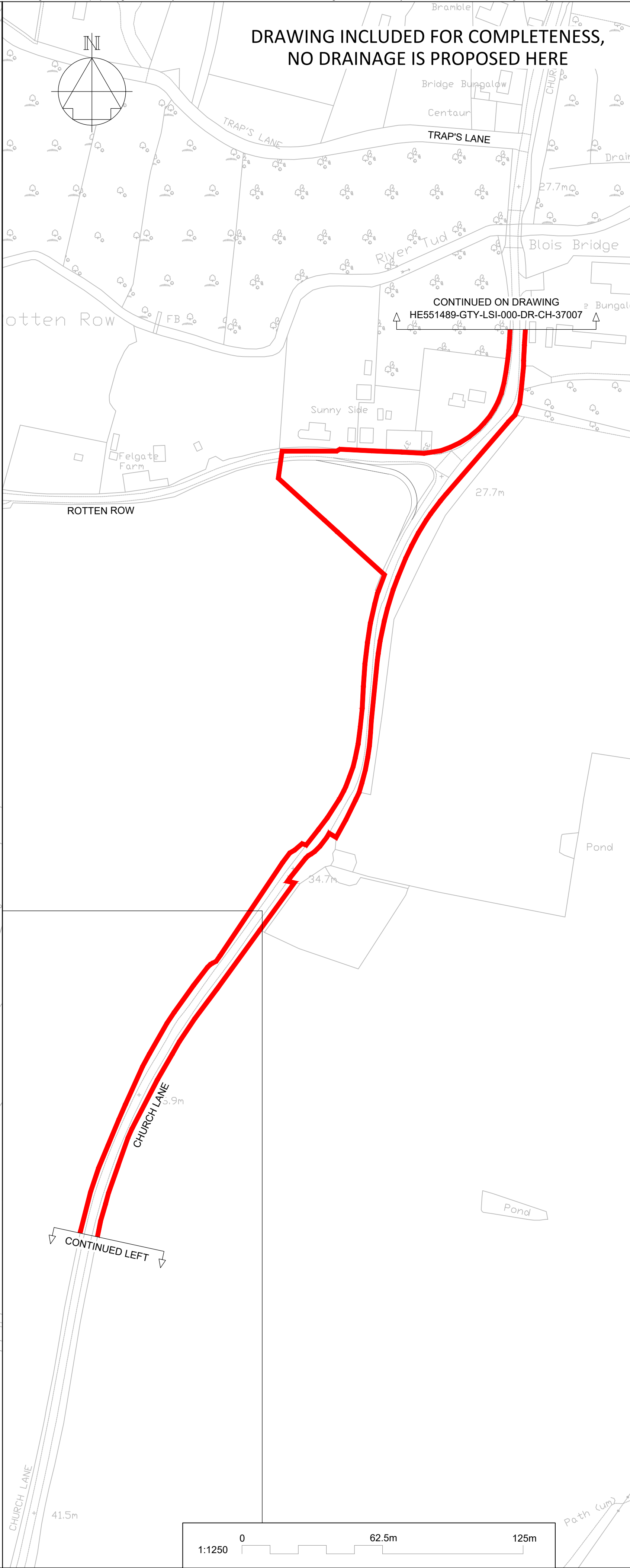
DRAWING NUMBER

HE551489-GTY-LSI-000-DR-CH-37016

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NOTES

Purpose of use

FOR DCO SUBMISSION

Development Consent Order Number / Document

TR010038/APP/2.8(R)

1. ALL DIMENSIONS ARE IN METRES UNLESS STATED OTHERWISE.

2. THESE PLANS SHOULD BE READ IN CONJUNCTION WITH OTHER PLANS AND DOCUMENTS IN THE DEVELOPMENT CONSENT ORDER.

KEY TO SYMBOLS

ORDER LIMITS

SCHEME DESIGN

AREA NOT INCLUDED IN ORDER LIMITS

FILTER & LOWER CARRIER DRAINS

CARRIER DRAIN

COMBINED CARRIER & FILTER DRAIN

OVERSIZED PIPES FOR ATTENUATION

NARROW FILTER DRAIN / FIN DRAIN

COMBINED KERB DRAIN

MANHOLE / CATCHPIT

KERB AND GULLY

PROPOSED HEADWALL

DRAINAGE DITCH FOR OVER THE EDGE PROVISION

PRE EARTHWORKS DITCH (NATURAL CATCHMENTS)

PRE EARTHWORKS FILTER DRAINS

STRUCTURAL DECK DRAINAGE

PRE EARTHWORKS DITCH CROSS DRAIN

EXISTING SURFACE WATER BODIES

RIVER TUD / WATERCOURSE

CULVERTS

P01	26/11/20	FIRST ISSUE		AKno	JHar
P02	01/12/20	FIRST ISSUE		DPil	JHar
P03	07/12/20	DESIGN UPDATE		DPil	JHar
P04	12/02/21	DESIGN UPDATED		KMcC	JMcC
P05	25/02/21	DCO SUBMISSION		TRil	JHar
C01	25/02/21	DCO SUBMISSION		TRil	JHar
P06	10/03/21	DCO SUBMISSION		MWat	JMcC
C02	10/03/21	DCO SUBMISSION		MWat	JMcC
REV	DATE	REVISION NOTE		ORG	CHKD
				APPD	

DESIGNER

SWECO

CONTRACTOR

GallifordTry

CLIENT

highways
england

PROJECT TITLE

A47 NORTH TUDDENHAM TO
EASTON DUALLING

PROJECT STAGE

PCF STAGE 3

DRAWING TITLE

DRAINAGE AND SURFACE WATER PLANS
REGULATIONS 5(4)
SHEET 17 OF 23

SUITABILITY

AUTHORISED AS STAGE 3 COMPLETED

SHEET SIZE	SCALE	STATUS	REVISION
A1	1:1250	A3	C02

DRAWING NUMBER

HE551489-GTY-LSI-000-DR-CH-37017

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NOTES

Purpose of use

FOR DCO SUBMISSION

Development Consent Order Number / Document

TR010038/APP/2.8(S)

1. ALL DIMENSIONS ARE IN METRES UNLESS STATED OTHERWISE.

2. THESE PLANS SHOULD BE READ IN CONJUNCTION WITH OTHER PLANS AND DOCUMENTS IN THE DEVELOPMENT CONSENT ORDER.

KEY TO SYMBOLS

ORDER LIMITS

SCHEME DESIGN

AREA NOT INCLUDED IN ORDER LIMITS

FILTER & LOWER CARRIER DRAINS

CARRIER DRAIN

COMBINED CARRIER & FILTER DRAIN

OVERSIZED PIPES FOR ATTENUATION

NARROW FILTER DRAIN / FIN DRAIN

COMBINED KERB DRAIN

MANHOLE / CATCHPIT

KERB AND GULLY

PROPOSED HEADWALL

DRAINAGE DITCH FOR OVER THE EDGE PROVISION

PRE EARTHWORKS DITCH (NATURAL CATCHMENTS)

PRE EARTHWORKS FILTER DRAINS

STRUCTURAL DECK DRAINAGE

PRE EARTHWORKS DITCH CROSS DRAIN

EXISTING SURFACE WATER BODIES

RIVER TUD / WATERCOURSE

CULVERTS

P01	26/11/20	FIRST ISSUE	AKno	JHar	JHar
P02	01/12/20	FIRST ISSUE	DPil	JHar	JHar
P03	07/12/20	DESIGN UPDATE	DPil	JHar	JHar
P04	12/02/21	DESIGN UPDATED	KMcC	JMcC	MR
P05	25/02/21	DCO SUBMISSION	TRil	JHar	MR
C01	25/02/21	DCO SUBMISSION	TRil	JHar	MR
REV	DATE	REVISION NOTE	ORG	CHKD	APPD

DESIGNER

SWECO

CONTRACTOR

GallifordTry

CLIENT

highways
england

PROJECT TITLE

A47 NORTH TUDDENHAM TO EASTON DUALLING

PROJECT STAGE

PCF STAGE 3

DRAWING TITLE

DRAINAGE AND SURFACE WATER PLANS
REGULATIONS 5(4)
SHEET 18 OF 23

SUITABILITY

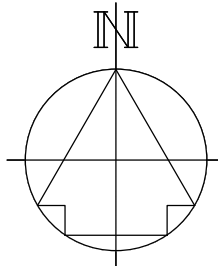
AUTHORISED AS STAGE 3 COMPLETED

SHEET SIZE	SCALE	STATUS	REVISION
A1	1:1250	A3	C01

DRAWING NUMBER

HE551489-GTY-LSI-000-DR-CH-37018

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DRAWING INCLUDED FOR COMPLETENESS,
NO DRAINAGE IS PROPOSED HERE

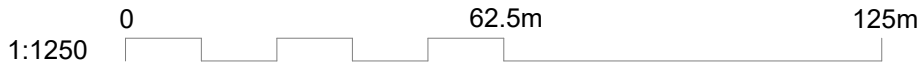
CONTINUED ON DRAWING
HE551489-GTY-LSI-000-DR-CH-37015

CHURCH LANE

BROOM LANE (TRACK)

BROOM LANE (TRACK)

Pond



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NOTES

Purpose of use

FOR DCO SUBMISSION

Development Consent Order Number / Document

TR010038/APP/2.8(T)

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

KEY TO SYMBOLS

- ORDER LIMITS
- SCHEME DESIGN
- AREA NOT INCLUDED IN ORDER LIMITS
- FILTER & LOWER CARRIER DRAINS
- CARRIER DRAIN
- COMBINED CARRIER & FILTER DRAIN
- OVERSIZED PIPES FOR ATTENUATION
- NARROW FILTER DRAIN / FIN DRAIN
- COMBINED KERB DRAIN
- MANHOLE / CATCHPIT
- KERB AND GULLY
- PROPOSED HEADWALL
- DRAINAGE DITCH FOR OVER THE EDGE PROVISION
- PRE EARTHWORKS DITCH (NATURAL CATCHMENTS)
- PRE EARTHWORKS FILTER DRAINS
- STRUCTURAL DECK DRAINAGE
- PRE EARTHWORKS DITCH CROSS DRAIN
- EXISTING SURFACE WATER BODIES
- RIVER TUD / WATERCOURSE
- CULVERTS

P01	26/11/20	FIRST ISSUE	AKno	JHar	JHar
P02	01/12/20	FIRST ISSUE	DPil	JHar	JHar
P03	07/12/20	DESIGN UPDATE	DPil	JHar	JHar
P04	12/02/21	DESIGN UPDATED	KMcC	JMcC	MR
P05	25/02/21	DCO SUBMISSION	TRil	JHar	MR
C01	25/02/21	DCO SUBMISSION	TRil	JHar	MR
REV	DATE	REVISION NOTE	ORG	CHKD	APPD

DESIGNER

SWECO

CONTRACTOR

GallifordTry

CLIENT

highways
england

PROJECT TITLE

A47 NORTH TUDDENHAM TO
EASTON DUALLING

PROJECT STAGE

PCF STAGE 3

DRAWING TITLE

DRAINAGE AND SURFACE WATER PLANS
REGULATIONS 5(4)
SHEET 19 OF 23

SUITABILITY

AUTHORISED AS STAGE 3 COMPLETED

SHEET SIZE

A1

SCALE

1:1250

STATUS

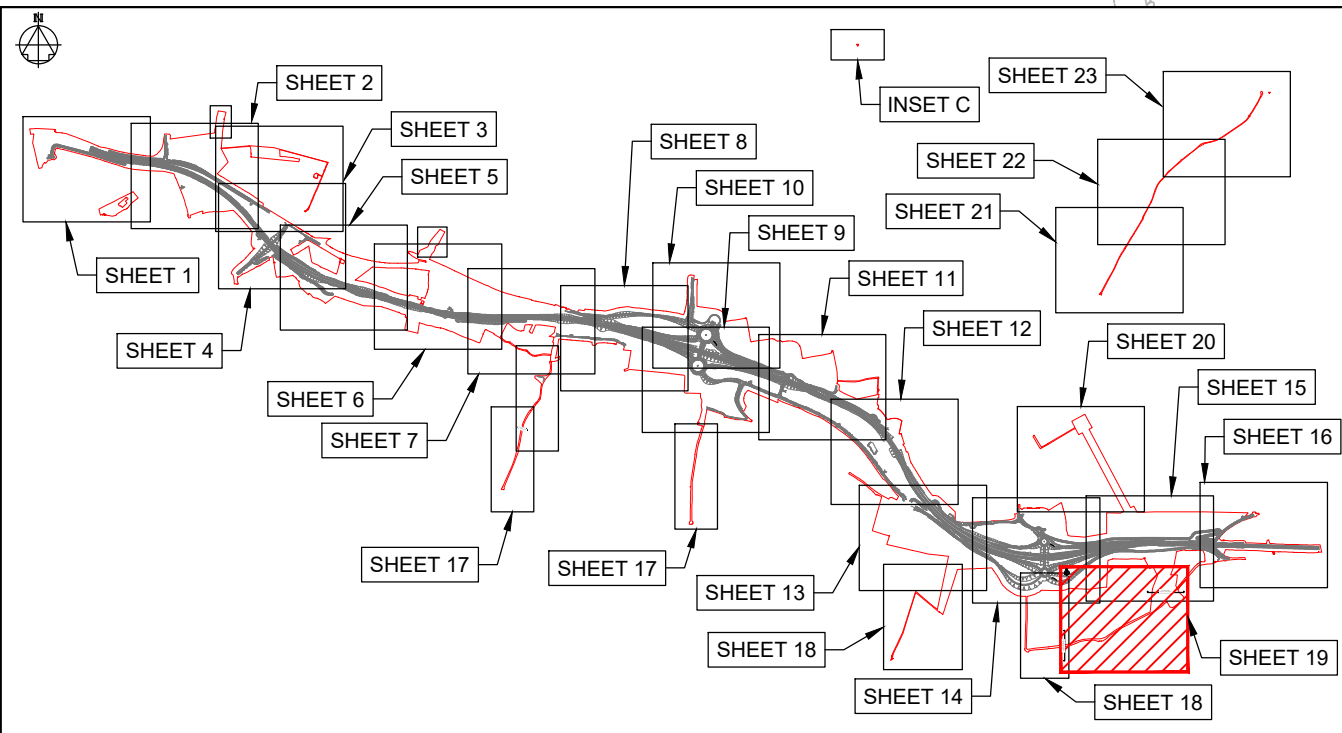
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REVISION

C01

DRAWING NUMBER

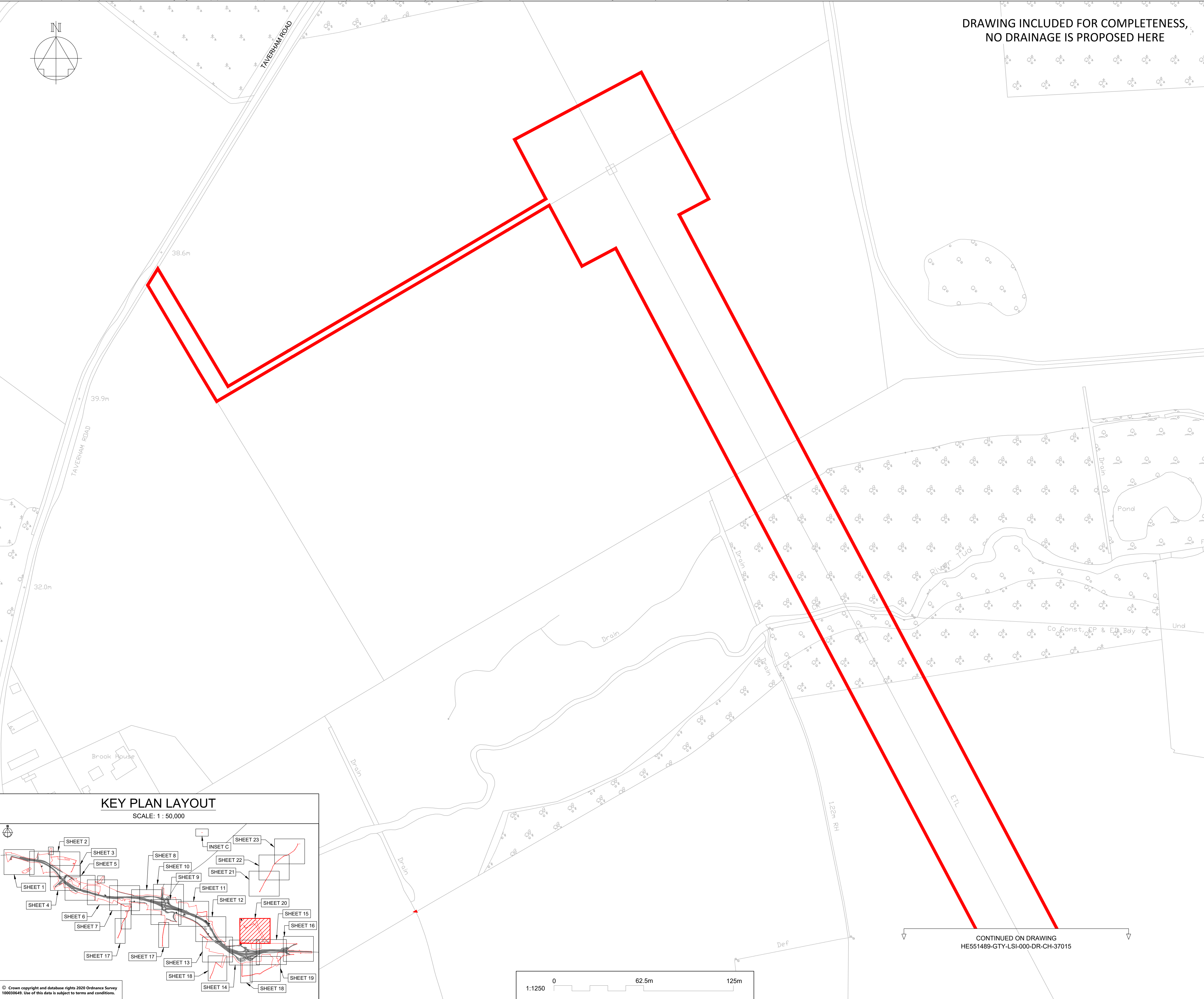
HE551489-GTY-LSI-000-DR-CH-37019



KEY PLAN LAYOUT

SCALE: 1 : 50,000

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NOTES

Purpose of use

FOR DCO SUBMISSION

Development Consent Order Number / Document

TR010038/APP/2.8(U)

1. ALL DIMENSIONS ARE IN METRES UNLESS STATED OTHERWISE.

2. THESE PLANS SHOULD BE READ IN CONJUNCTION WITH OTHER PLANS AND DOCUMENTS IN THE DEVELOPMENT CONSENT ORDER.

KEY TO SYMBOLS

ORDER LIMITS

SCHEME DESIGN

AREA NOT INCLUDED IN ORDER LIMITS

FILTER & LOWER CARRIER DRAINS

CARRIER DRAIN

COMBINED CARRIER & FILTER DRAIN

OVERSIZED PIPES FOR ATTENUATION

KEY TO SYMBOLS

COMBINED KERB DRAIN

MANHOLE / CATCHPIT

KERB AND GULLY

PROPOSED HEADWALL

DRAINAGE DITCH FOR OVER THE EDGE PROVISION

PRE EARTHWORKS DITCH (NATURAL CATCHMENTS)

PRE EARTHWORKS FILTER DRAINS

STRUCTURAL DECK DRAINAGE

PRE EARTHWORKS DITCH CROSS DRAIN

EXISTING SURFACE WATER BODIES

RIVER TUD / WATERCOURSE

CULVERTS

P01	26/11/20	FIRST ISSUE	AKno	JHar	JHar
P02	01/12/20	FIRST ISSUE	DPil	JHar	JHar
P03	07/12/20	DESIGN UPDATE	DPil	JHar	JHar
P04	12/02/21	DESIGN UPDATED	KMcC	JMcC	MR
P05	25/02/21	DCO SUBMISSION	TRil	JHar	MR
C01	25/02/21	DCO SUBMISSION	TRil	JHar	MR
REV	DATE	REVISION NOTE	ORG	CHKD	APPD

DESIGNER

SWECO

CONTRACTOR

GallifordTry

CLIENT

highways
england

PROJECT TITLE

A47 NORTH TUDDENHAM TO EASTON DUALLING

PROJECT STAGE

PCF STAGE 3

DRAWING TITLE

DRAINAGE AND SURFACE WATER PLANS
REGULATIONS 5(4)
SHEET 20 OF 23

SUITABILITY

AUTHORISED AS STAGE 3 COMPLETED

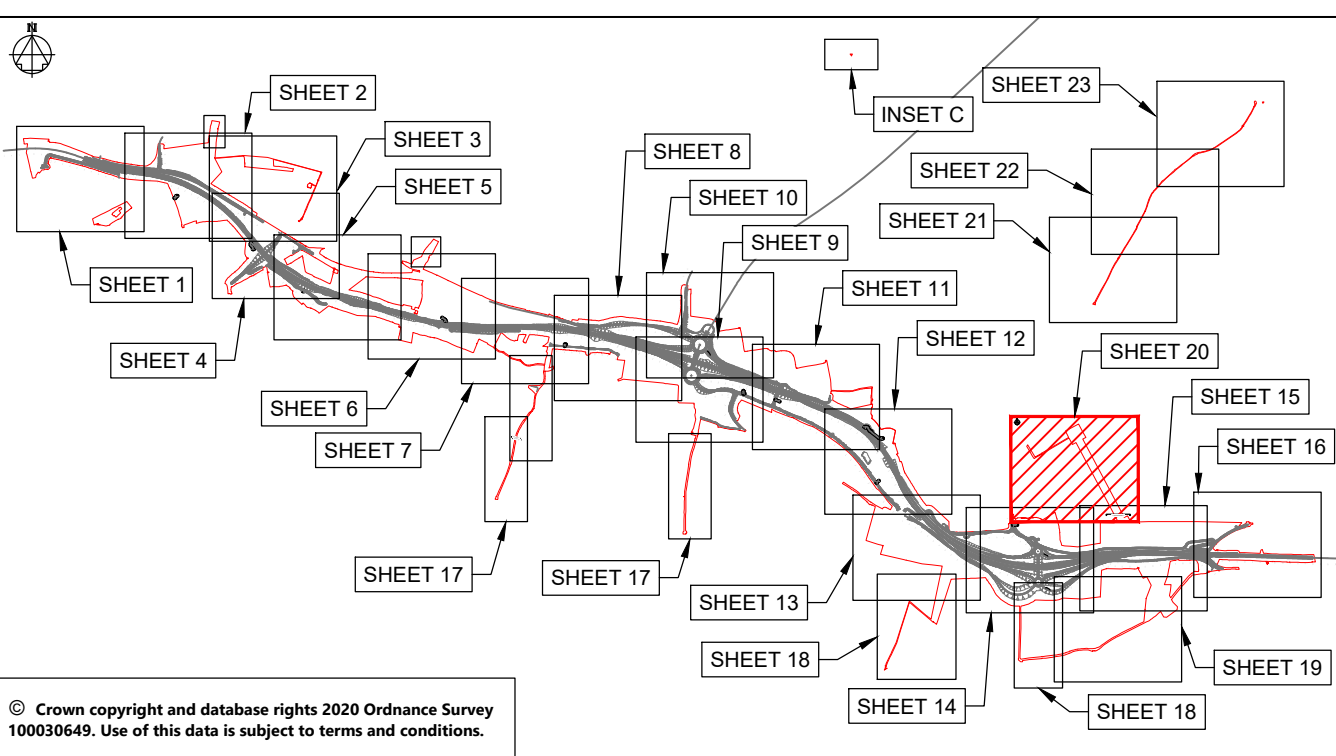
SHEET SIZE	SCALE	STATUS	REVISION
A1	1:1250	A3	C01

DRAWING NUMBER

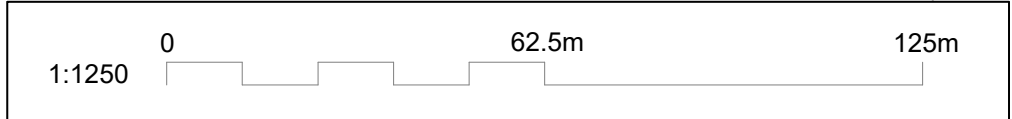
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KEY PLAN LAYOUT

SCALE: 1 : 50,000

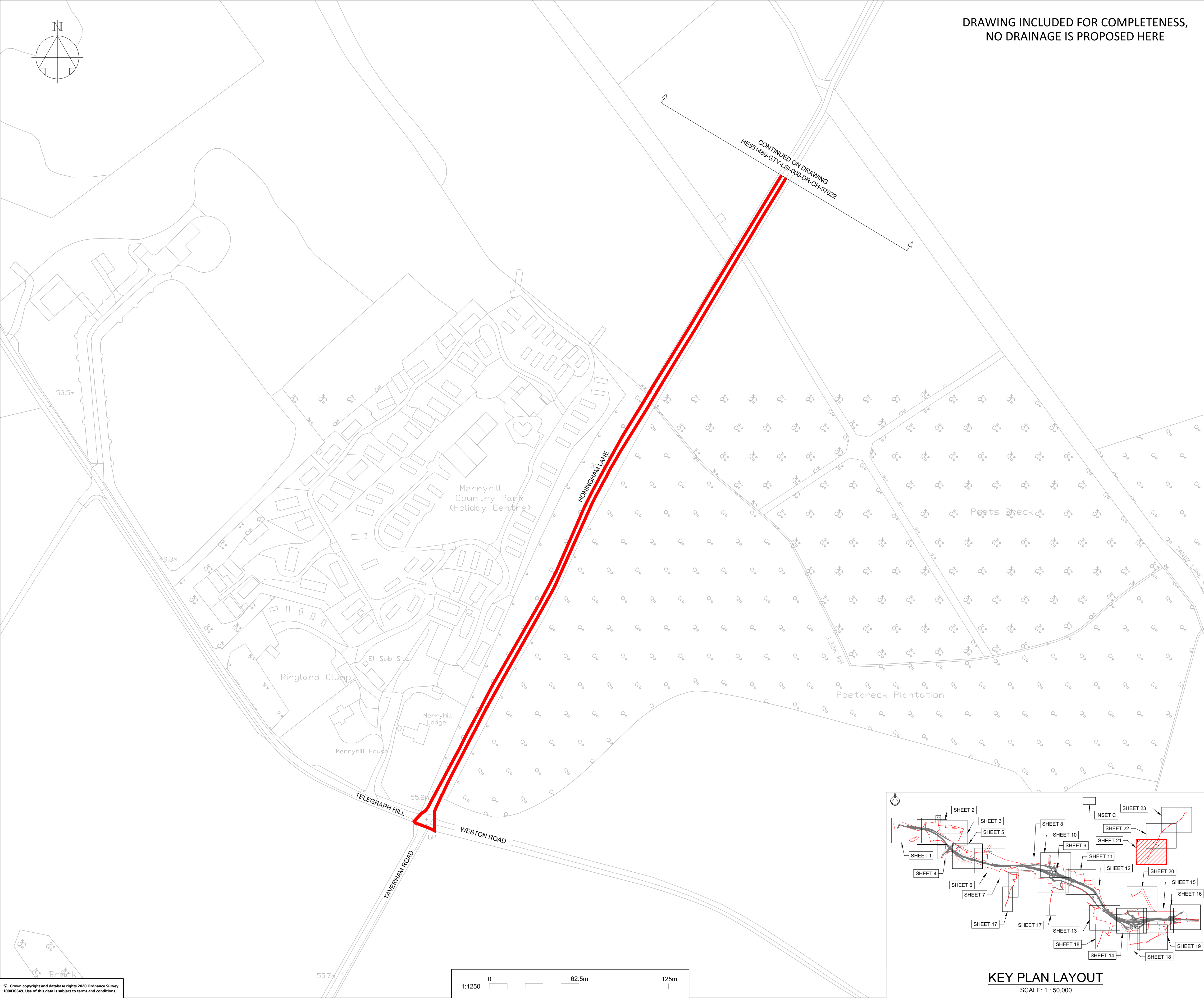


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NOTES

Purpose of use

FOR DCO SUBMISSION

Development Consent Order Number / Document

TR010038/APP/2.8(V)

1. ALL DIMENSIONS ARE IN METRES UNLESS STATED OTHERWISE.

2. THESE PLANS SHOULD BE READ IN CONJUNCTION WITH OTHER PLANS AND DOCUMENTS IN THE DEVELOPMENT CONSENT ORDER.

KEY TO SYMBOLS

ORDER LIMITS

SCHEME DESIGN

AREA NOT INCLUDED IN ORDER LIMITS

FILTER & LOWER CARRIER DRAINS

CARRIER DRAIN

COMBINED CARRIER & FILTER DRAIN

OVERSIZED PIPES FOR ATTENUATION

NARROW FILTER DRAIN / FIN DRAIN

COMBINED KERB DRAIN

MANHOLE / CATCHPIT

KERB AND GULLY

PROPOSED HEADWALL

DRAINAGE DITCH FOR OVER THE EDGE PROVISION

PRE EARTHWORKS DITCH (NATURAL CATCHMENTS)

PRE EARTHWORKS FILTER DRAINS

STRUCTURAL DECK DRAINAGE

PRE EARTHWORKS DITCH CROSS DRAIN

EXISTING SURFACE WATER BODIES

RIVER TUD / WATERCOURSE

CULVERTS

P01	26/11/20	FIRST ISSUE	AKno	JHar	JHar
P02	01/12/20	FIRST ISSUE	DPil	JHar	JHar
P03	07/12/20	DESIGN UPDATE	DPil	JHar	JHar
P04	12/02/21	DESIGN UPDATED	KMcC	JMcC	MR
P05	25/02/21	DCO SUBMISSION	TRil	JHar	MR
C01	25/02/21	DCO SUBMISSION	TRil	JHar	MR
REV	DATE	REVISION NOTE	ORG	CHKD	APPD

DESIGNER

SWECO

CONTRACTOR

GallifordTry

CLIENT

highways
england

PROJECT TITLE

A47 NORTH TUDDENHAM TO EASTON DULLING

PROJECT STAGE

PCF STAGE 3

DRAWING TITLE

DRAINAGE AND SURFACE WATER PLANS REGULATIONS 5(4)
SHEET 21 OF 23

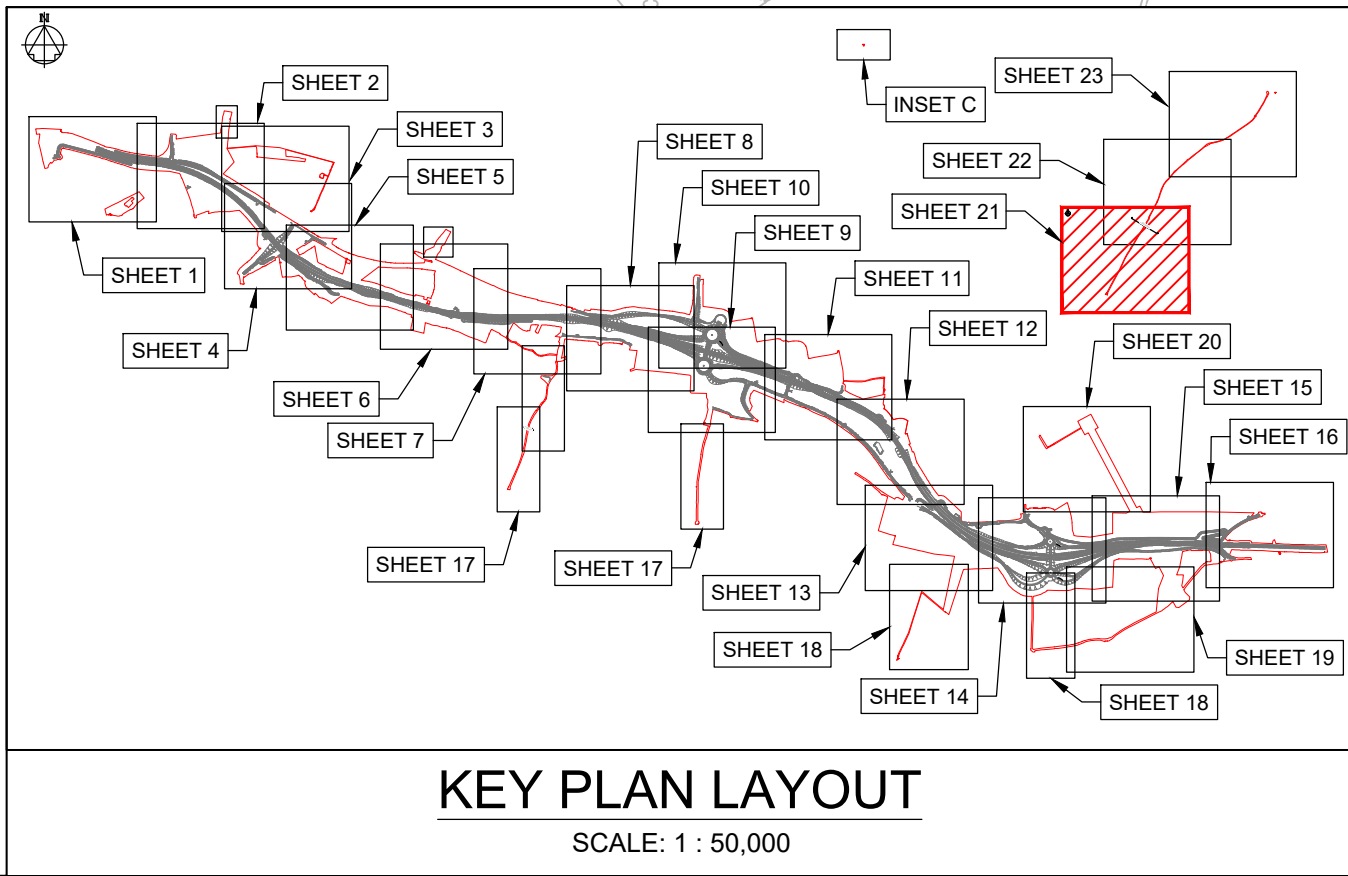
SUITABILITY

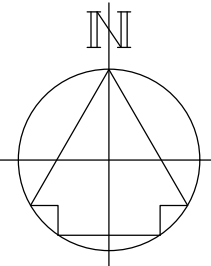
AUTHORISED AS STAGE 3 COMPLETED

SHEET SIZE	SCALE	STATUS	REVISION
A1	1:1250	A3	C01

DRAWING NUMBER

HE551489-GTY-LSI-000-DR-CH-37021



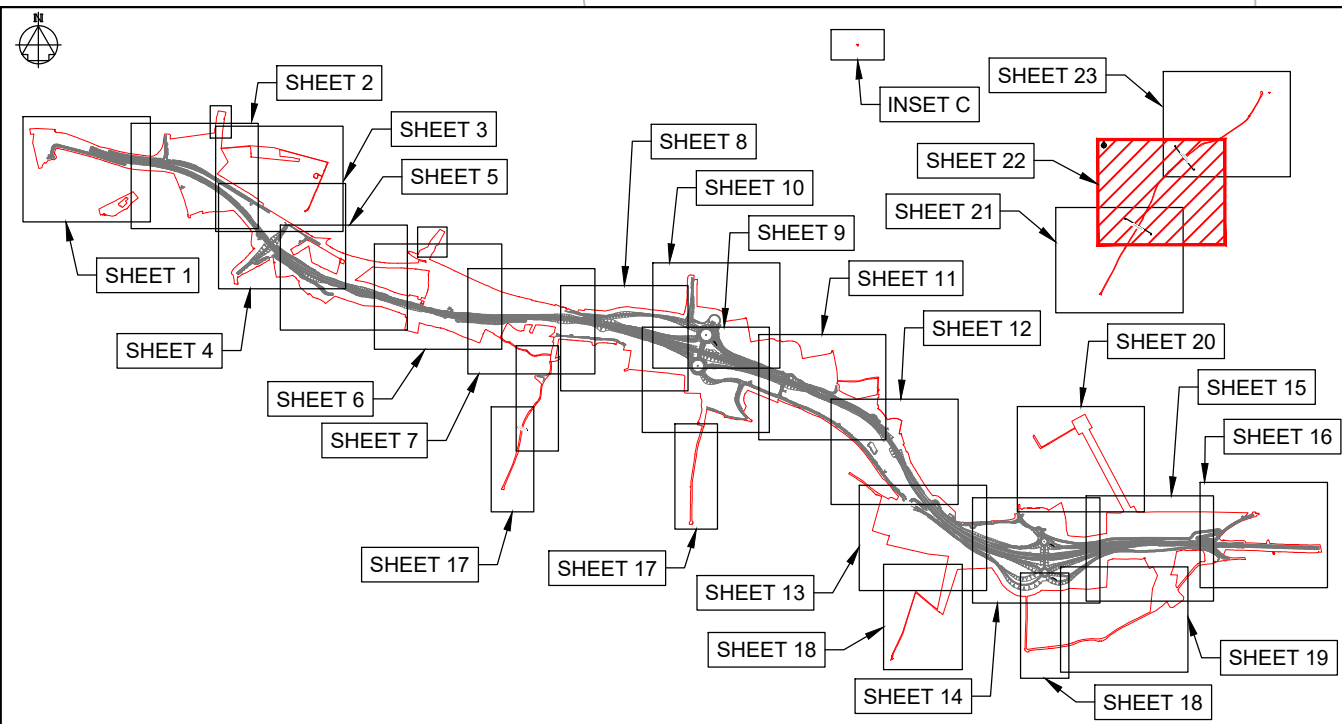
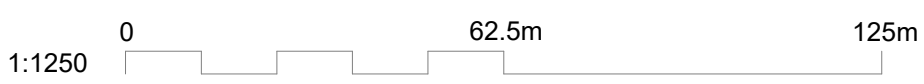


DRAWING INCLUDED FOR COMPLETENESS,
NO DRAINAGE IS PROPOSED HERE

CONTINUED ON DRAWING
HE551489-GTY-LSI-000-DR-CH-37023

HONINGHAM LANE

CONTINUED ON DRAWING
HE551489-GTY-LSI-000-DR-CH-37021



KEY PLAN LAYOUT
SCALE: 1 : 50,000

NOTES

Purpose of use

FOR DCO SUBMISSION

Development Consent Order Number / Document

TR010038/APP/2.8(W)

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

KEY TO SYMBOLS

- ORDER LIMITS
- SCHEME DESIGN
- AREA NOT INCLUDED IN ORDER LIMITS
- FILTER & LOWER CARRIER DRAINS
- CARRIER DRAIN
- COMBINED CARRIER & FILTER DRAIN
- OVERSIZED PIPES FOR ATTENUATION
- NARROW FILTER DRAIN / FIN DRAIN
- COMBINED KERB DRAIN
- MANHOLE / CATCHPIT
- KERB AND GULLY
- PROPOSED HEADWALL
- DRAINAGE DITCH FOR OVER THE EDGE PROVISION
- PRE EARTHWORKS DITCH (NATURAL CATCHMENTS)
- PRE EARTHWORKS FILTER DRAINS
- STRUCTURAL DECK DRAINAGE
- PRE EARTHWORKS DITCH CROSS DRAIN
- EXISTING SURFACE WATER BODIES
- RIVER TUD / WATERCOURSE
- CULVERTS

P01	26/11/20	FIRST ISSUE	AKno	JHar	JHar
P02	01/12/20	FIRST ISSUE	DPil	JHar	JHar
P03	07/12/20	DESIGN UPDATE	DPil	JHar	JHar
P04	12/02/21	DESIGN UPDATED	KMcC	JMcC	MR
P05	25/02/21	DCO SUBMISSION	TRil	JHar	MR
C01	25/02/21	DCO SUBMISSION	TRil	JHar	MR
REV	DATE	REVISION NOTE	ORG	CHKD	APPD

DESIGNER

SWECO

CONTRACTOR

GallifordTry

CLIENT

highways
england

PROJECT TITLE

A47 NORTH TUDDENHAM TO
EASTON DUALLING

PROJECT STAGE

PCF STAGE 3

DRAWING TITLE

DRAINAGE AND SURFACE WATER PLANS
REGULATIONS 5(4)
SHEET 22 OF 23

SUITABILITY

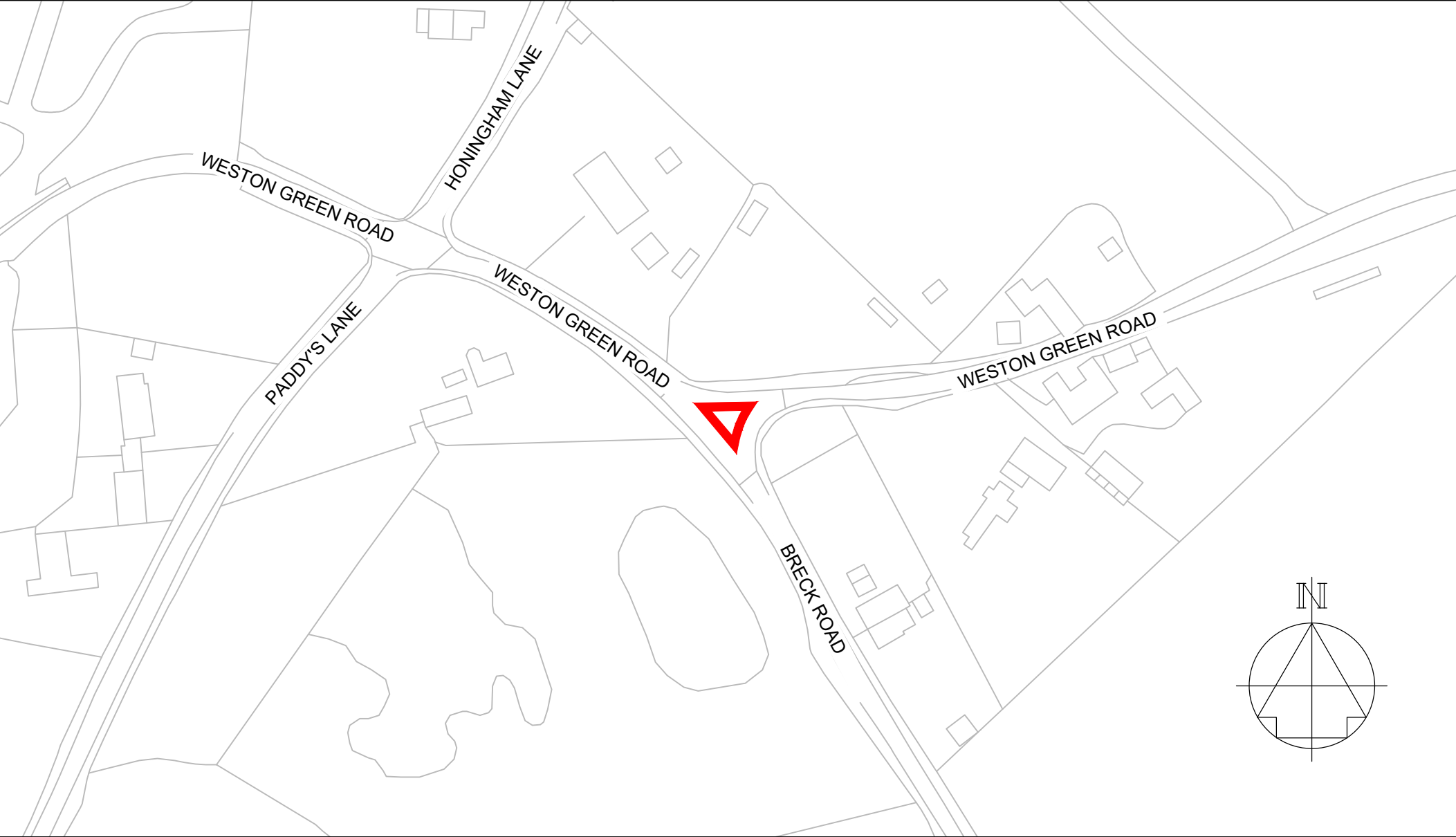
AUTHORISED AS STAGE 3 COMPLETED

SHEET SIZE	SCALE	STATUS	REVISION
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DRAWING NUMBER

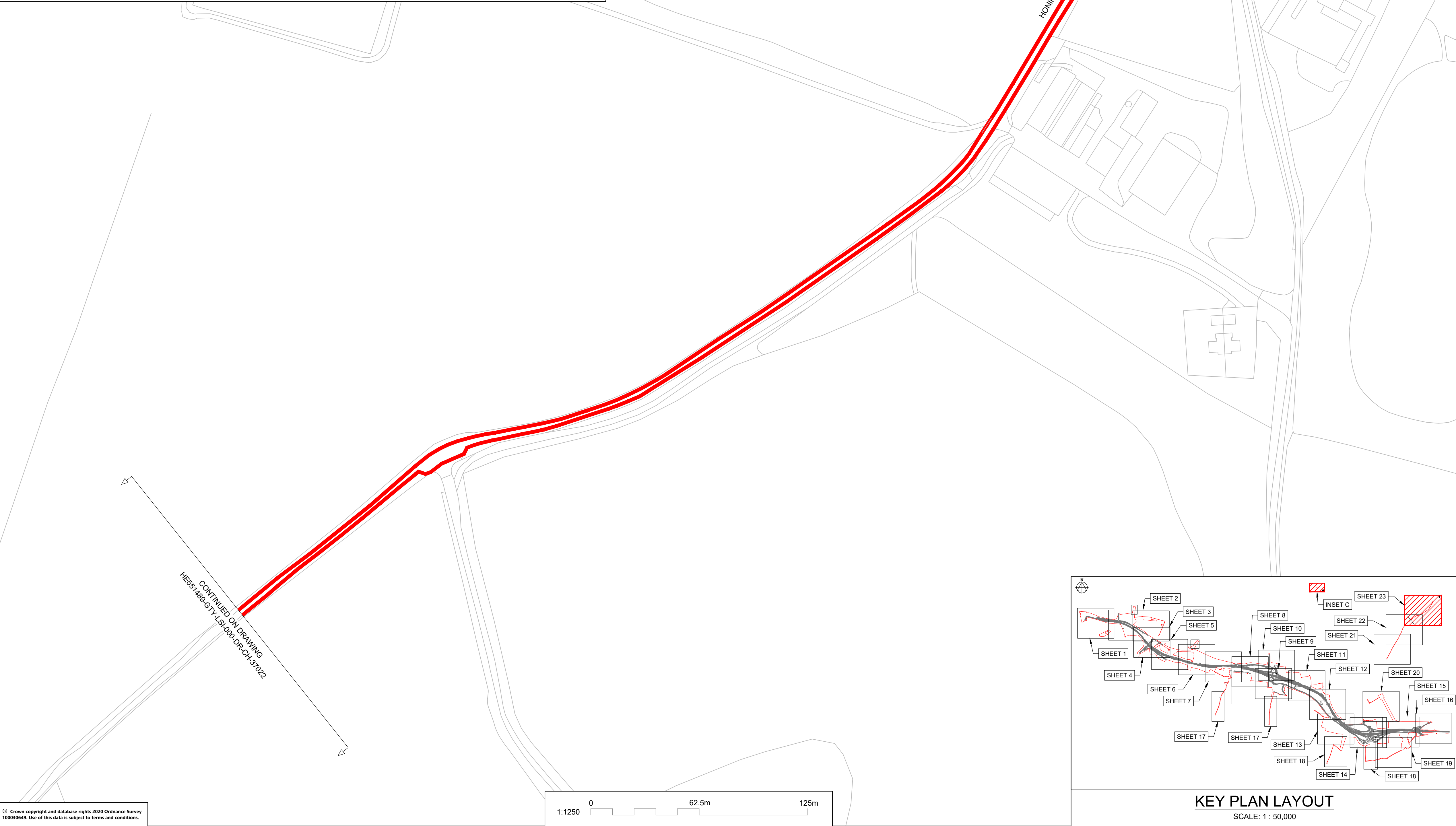
HE551489-GTY-LSI-000-DR-CH-37022

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INSET C
SCALE: 1 : 1,250

DRAWING INCLUDED FOR COMPLETENESS,
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NOTES

Purpose of use

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Development Consent Order Number / Document

TR010038/APP/2.8(X)

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KEY TO SYMBOLS

- ORDER LIMITS
- SCHEME DESIGN
- AREA NOT INCLUDED IN ORDER LIMITS
- FILTER & LOWER CARRIER DRAINS
- CARRIER DRAIN
- COMBINED CARRIER & FILTER DRAIN
- OVERSIZED PIPES FOR ATTENUATION
- NARROW FILTER DRAIN / FIN DRAIN
- COMBINED KERB DRAIN
- MANHOLE / CATCHPIT
- KERB AND GULLY
- PROPOSED HEADWALL
- DRAINAGE DITCH FOR OVER THE EDGE PROVISION
- PRE EARTHWORKS DITCH (NATURAL CATCHMENTS)
- PRE EARTHWORKS FILTER DRAINS
- STRUCTURAL DECK DRAINAGE
- PRE EARTHWORKS DITCH CROSS DRAIN
- EXISTING SURFACE WATER BODIES
- RIVER TUD / WATERCOURSE
- CULVERTS

P01	26/11/20	FIRST ISSUE		AKno	JHar
P02	01/12/20	FIRST ISSUE		DPil	JHar
P03	07/12/20	DESIGN UPDATE		DPil	JHar
P04	12/02/21	DESIGN UPDATED		KMcC	JMcC
P05	25/02/21	DCO SUBMISSION		TRil	JHar
C01	25/02/21	DCO SUBMISSION		TRil	JHar
REV	DATE	REVISION NOTE		ORG	CHKD

DESIGNER

SWECO

CONTRACTOR

GallifordTry

CLIENT

highways
england

PROJECT TITLE

A47 NORTH TUDDENHAM TO
EASTON DULLING

PROJECT STAGE

PCF STAGE 3

DRAWING TITLE

DRAINAGE AND SURFACE WATER PLANS
REGULATIONS 5(4)
SHEET 23 OF 23

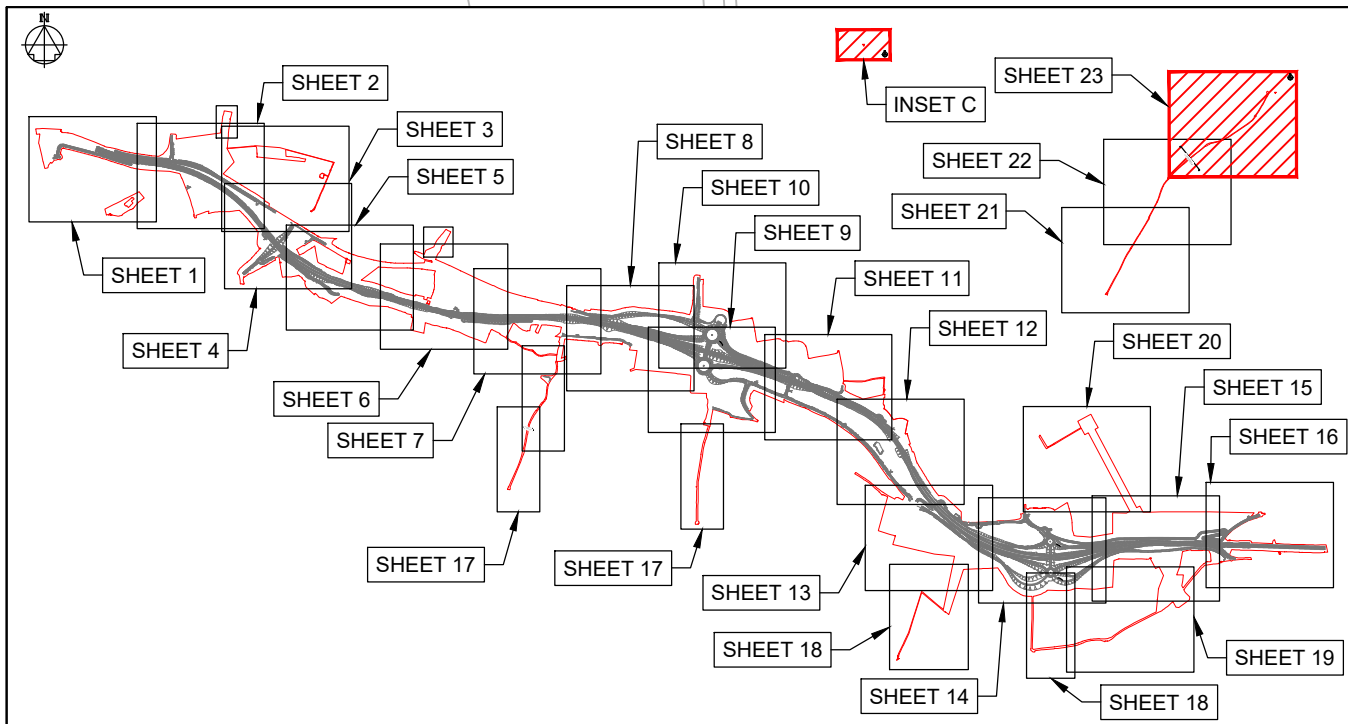
SUITABILITY

AUTHORISED AS STAGE 3 COMPLETED

SHEET SIZE	SCALE	STATUS	REVISION
A1	1:1250	A3	C01

DRAWING NUMBER

HE551489-GTY-LSI-000-DR-CH-37023



KEY PLAN LAYOUT

SCALE: 1 : 50,000