

A47 Wansford to Sutton Dualling

Scheme Number: TR010039

Volume 2 **2.7 Drainage and Surface Water Plans**

APFP Regulation 5(2)(o)

Planning Act 2008

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

July 2021

Infrastructure Planning

Planning Act 2008

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

A47 Wansford to Sutton
Development Consent Order 202[x]

2.7 DRAINAGE AND SURFACE WATER PLANS

Regulation Number:	Regulation 5(2)(o)
Planning Inspectorate Scheme Reference	TR010039
Application Document Reference	TR010039/APP/2.7
BIM Document Reference	HE551494-GTY-LSI-000-RP-TX-30018
Author:	A47 Wansford to Sutton Project Team, Highways England

Version	Date	Status of Version
Rev 0	July 2021	Application Issue

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2	SCHEDULE OF PLANS INCLUDED IN THIS APPLICATION DOCUMENT	2

1 INTRODUCTION

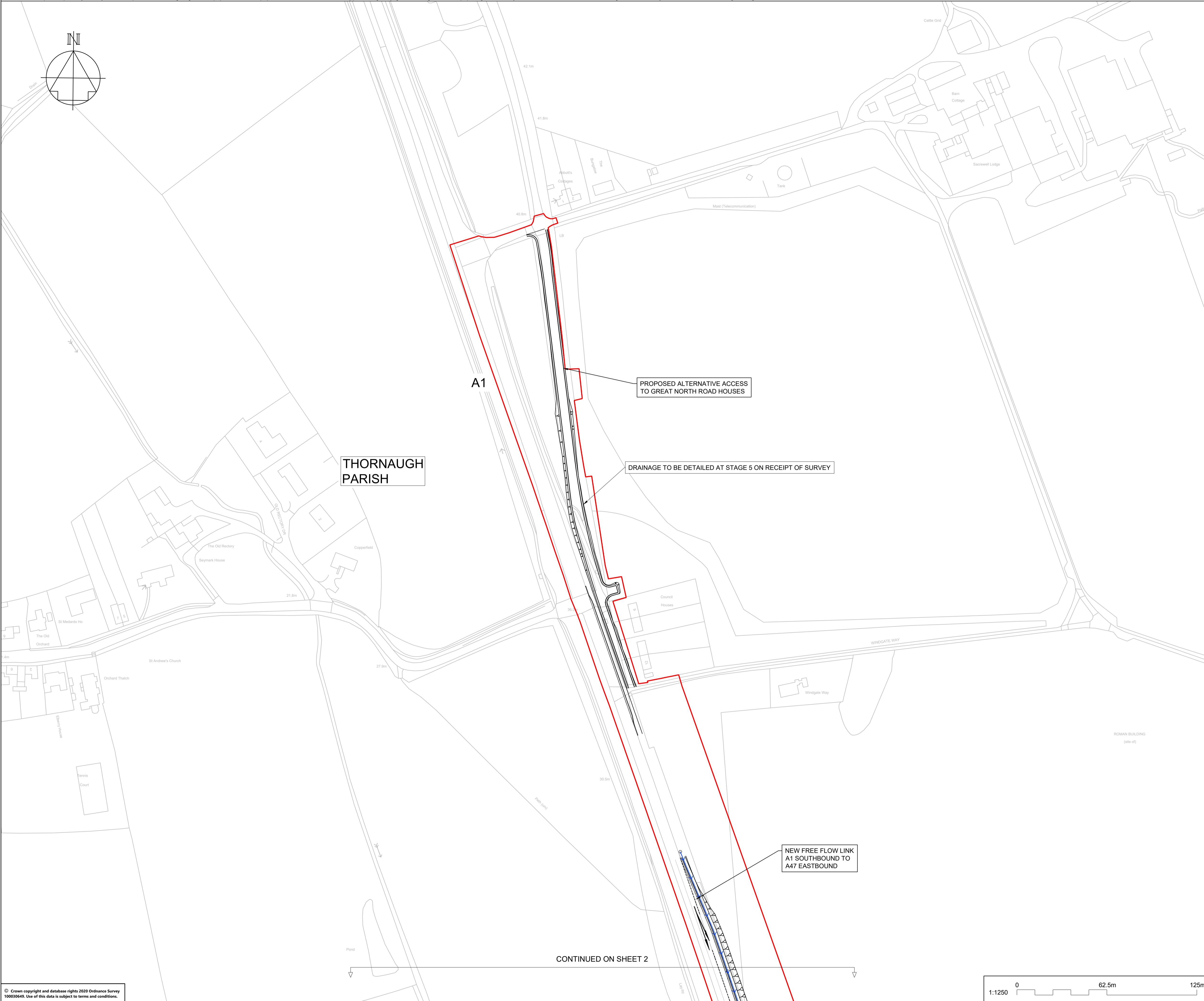
1.1 Purpose of this Document

- 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 for Transport, via the Planning Inspectorate (the “Inspectorate”) under the Planning Act 2008 (the “2008 Act”) for a Development Consent Order (DCO). If made, the DCO would grant consent for the A47 Wansford to Sutton Scheme (the “Scheme”).
- 1.1.2 The Scheme comprises the alteration of an existing highway by way of an upgrade to an existing 2.6km of single carriageway between Wansford to Sutton. It will create a new dual carriageway, to improve traffic flow and reduce congestion on the route. A detailed description of the Scheme can be found in Chapter 2: The Proposed Scheme of the Environmental Statement (ES) (**TR010039/APP/6.1**). These Plans cover the Scheme in its entirety.
- 1.1.3 The Drainage and Surface Water Plans comprise part of a suite of application documentation and are included in the application in compliance with Regulations 5(2)(o) of the Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009 (the “2009 Regulations”) which requires:
- 5(2)(o) “any other plans, drawings and sections necessary to describe the proposals for which development consent is being 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:
- “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 documents. In particular, these Plans should be read alongside Schedule 1 of the Draft DCO (**TR010039/APP/3.1**), the Engineering Drawings and Sections (**TR010039/APP/2.5**) and the Works Plans (**TR010039/APP/2.3**).

2 SCHEDULE OF PLANS INCLUDED IN THIS APPLICATION DOCUMENT

Drawing Title	DCO Document Number	Drawing Number	Revision
Drainage and Surface Water Plans Regulation 5(2)(o) Sheet 1 of 7	TR010039/APP/2.7/1of7	HE551494-GTY-HDG-000-DR-CD-31001	C02
Drainage and Surface Water Plans Regulation 5(2)(o) Sheet 2 of 7	TR010039/APP/2.7/2of7	HE551494-GTY-HDG-000-DR-CD-31002	C02
Drainage and Surface Water Plans Regulation 5(2)(o) Sheet 3 of 7	TR010039/APP/2.7/3of7	HE551494-GTY-HDG-000-DR-CD-31003	C02
Drainage and Surface Water Plans Regulation 5(2)(o) Sheet 4 of 7	TR010039/APP/2.7/4of7	HE551494-GTY-HDG-000-DR-CD-31004	C02
Drainage and Surface Water Plans Regulation 5(2)(o) Sheet 5 of 7	TR010039/APP/2.7/5of7	HE551494-GTY-HDG-000-DR-CD-31005	C02
Drainage and Surface Water Plans Regulation 5(2)(o) Sheet 6 of 7	TR010039/APP/2.7/6of7	HE551494-GTY-HDG-000-DR-CD-31006	C02
Drainage and Surface Water Plans Regulation 5(2)(o) Sheet 7 of 7	TR010039/APP/2.7/7of7	HE551494-GTY-HDG-000-DR-CD-31007	C02
Drainage and Surface Water Plans Regulation 5(2)(o) Key Plan	TR010039/APP/2.7	HE551494-GTY-HDG-000-DR-CD-31008	C02

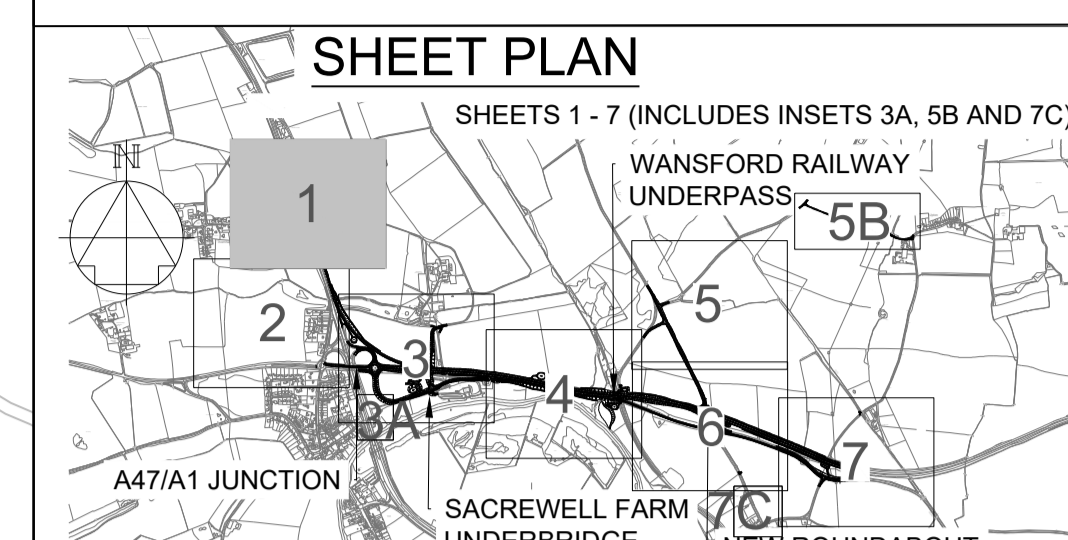
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NOTES

Purpose of use
FOR DCO SUBMISSION

Development Consent Order Number / Document
TR010039/APP/2.7



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

KEY TO SYMBOLS

- | | |
|--------------------------------|--|
| DCO BOUNDARY | DRAINAGE DITCH |
| PARISH COUNCIL BOUNDARY | FILTER DRAIN |
| CLEAN WATER OUTFALL TO SOAKWAY | ROAD CARRIER DRAIN |
| ATTENUATION BASIN | CONCRETE SURFACE WATER CHANNEL & CARRIER DRAIN |
| INFILTRATION BASIN | CULVERTS |
| FLOOD STORAGE BASIN | OUTFALL DRAIN |
| GULLY/CKDU OUTFALL | GULLY |
| CKDU KERB SPLAY | MANHOLE |
| CKDU KERB HALF BATTER | HEADWALL |
| DECK DRAINAGE | |

P01	16/06/21	SGAR 3 ISSUE	CDye	AWoo	SCM
C01	16/06/21	SGAR 3 ISSUE	CDye	AWoo	SCM
P02	25/06/21	DCO ISSUE	CDye	AWoo	SCM
C02	25/06/21	DCO ISSUE	CDye	AWoo	SCM
REV	DATE	REVISION NOTE	ORG	CHKD	APPD

DESIGNER
SWECO

CONTRACTOR
GallifordTry

CLIENT
highways england

PROJECT TITLE
A47 WANSFORD TO SUTTON DUALLING

PROJECT STAGE
PCF STAGE 3

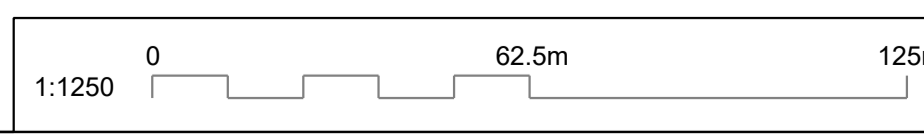
DRAWING TITLE
**DRAINAGE AND SURFACE WATER PLANS
REGULATION 5(2)(o)
SHEET 1 OF 7**

SUITABILITY
AUTHORISED AS STAGE 3 COMPLETED

SHEET SIZE A1	SCALE 1:1250	STATUS A3	REVISION C02
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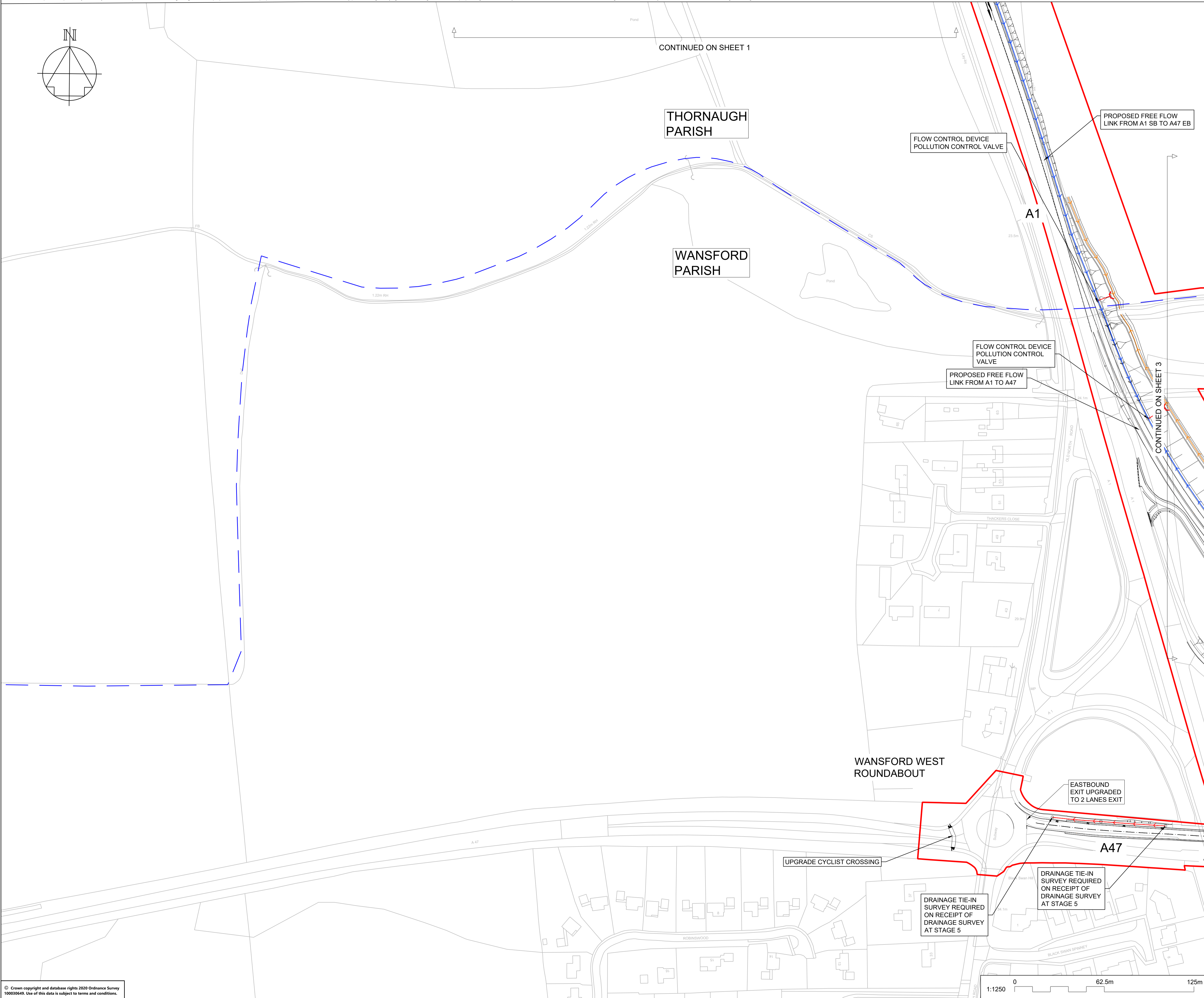
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CONTINUED ON SHEET 2

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Purpose of use
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Development Consent Order Number / Document
TR010039/APP/2.7

SHEET PLAN

SHEETS 1 - 7 (INCLUDES INSETS 3A, 5B AND 7C)

WANSFORD RAILWAY UNDERPASS 5B
A47/A1 JUNCTION 3A
SACREWELL FARM UNDERBRIDGE 7C
NEW ROUNDABOUT 6

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

KEY TO SYMBOLS

	DCO BOUNDARY		DRAINAGE DITCH
	PARISH COUNCIL BOUNDARY		FILTER DRAIN
	CLEAN WATER OUTFALL TO SOAKWAY		ROAD CARRIER DRAIN
	ATTENUATION BASIN		CONCRETE SURFACE WATER CHANNEL & CARRIER DRAIN
	INFILTRATION BASIN		CULVERTS
	FLOOD STORAGE BASIN		OUTFALL DRAIN
	GULLY/CKDU OUTFALL		GULLY
	CKDU KERB SPLAY		MANHOLE
	CKDU KERB HALF BATTER		HEADWALL
	DECK DRAINAGE		

P01	16/06/21	SGAR 3 ISSUE	CDye	AWoo	SCM
C01	16/06/21	SGAR 3 ISSUE	CDye	AWoo	SCM
P02	25/06/21	DCO ISSUE	CDye	AWoo	SCM
C02	25/06/21	DCO ISSUE	CDye	AWoo	SCM
REV	DATE	REVISION NOTE	ORG	CHKD	APPD

DESIGNER
SWECO

CONTRACTOR
GallifordTry

CLIENT
highways england

PROJECT TITLE
A47 WANSFORD TO SUTTON DUALLING

PROJECT STAGE
PCF STAGE 3

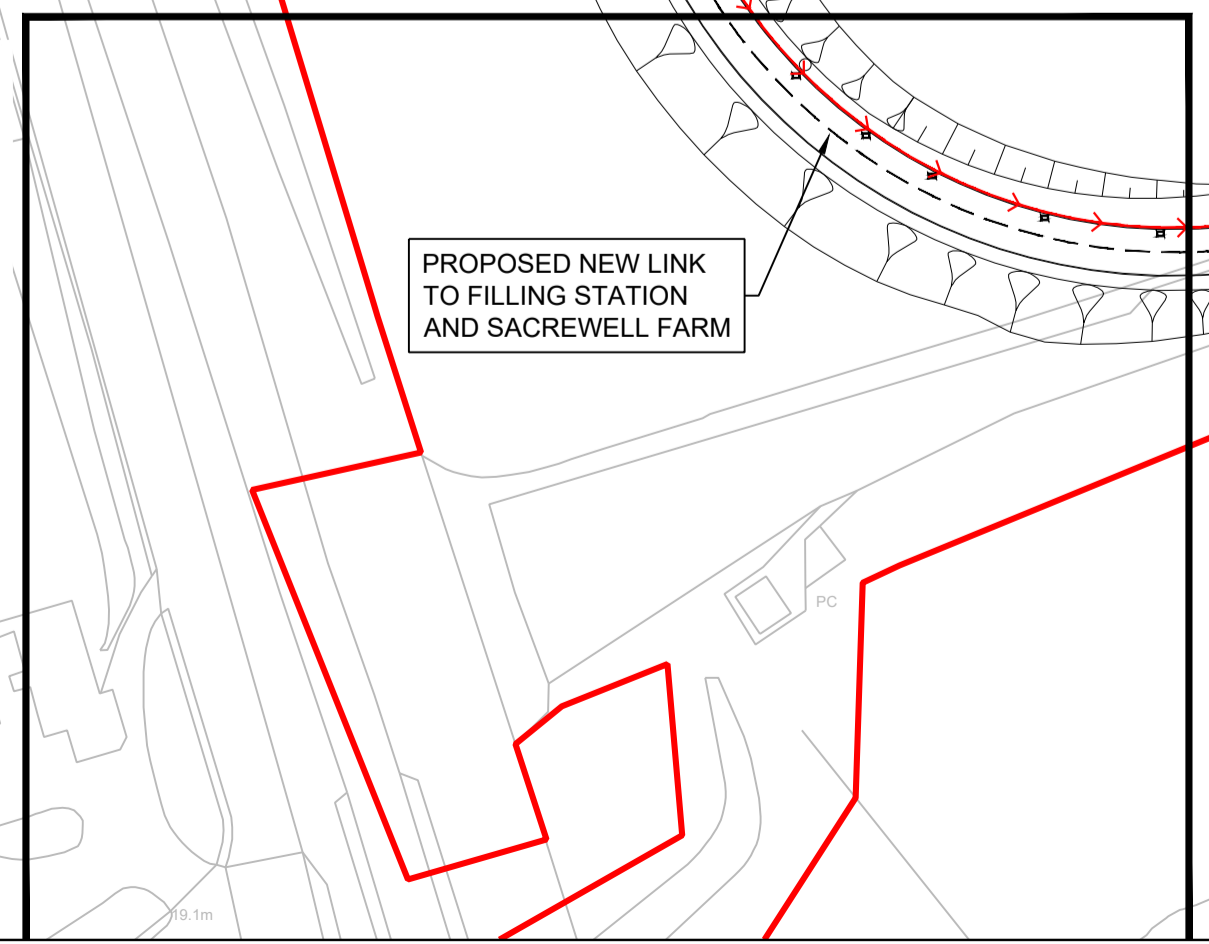
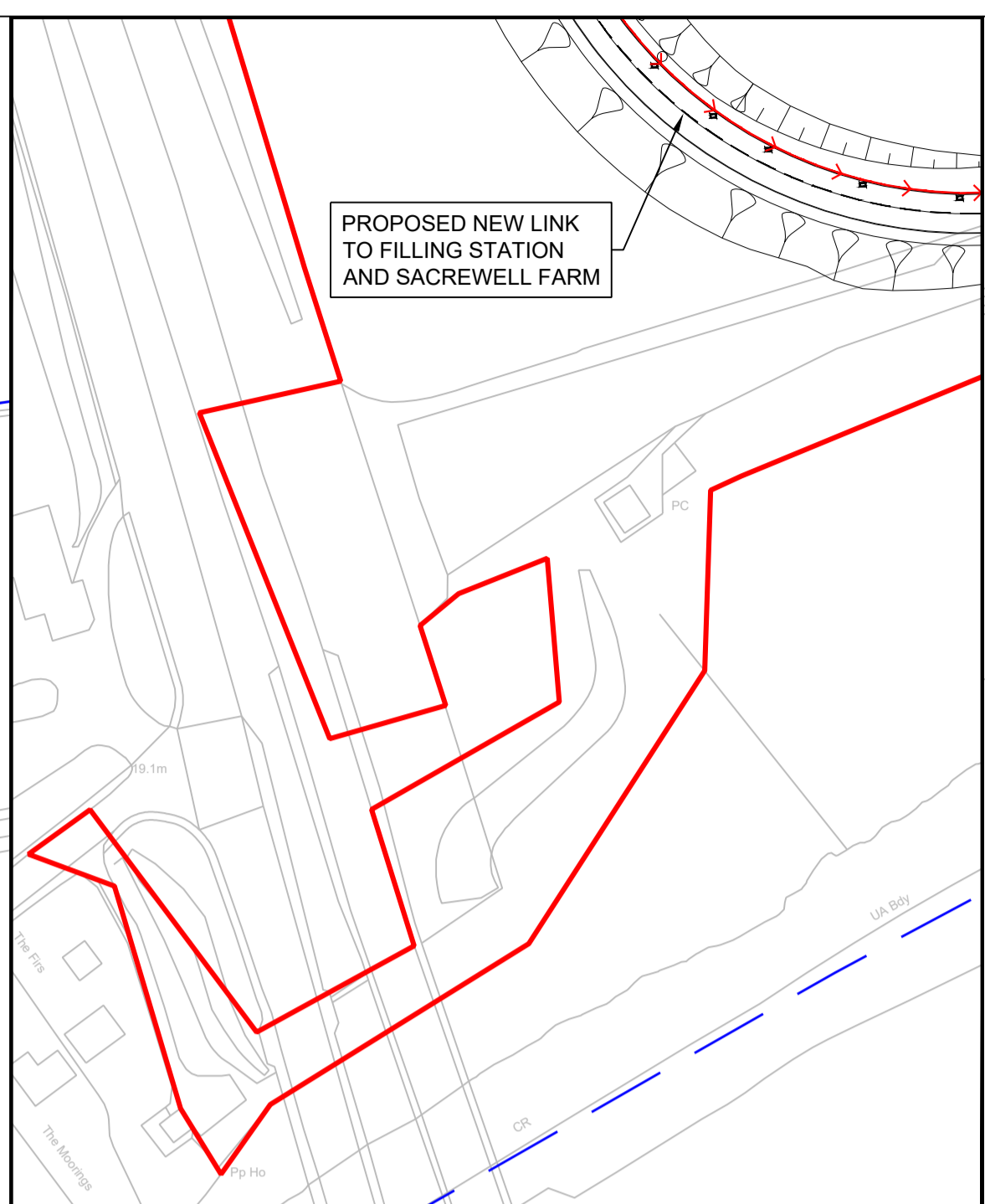
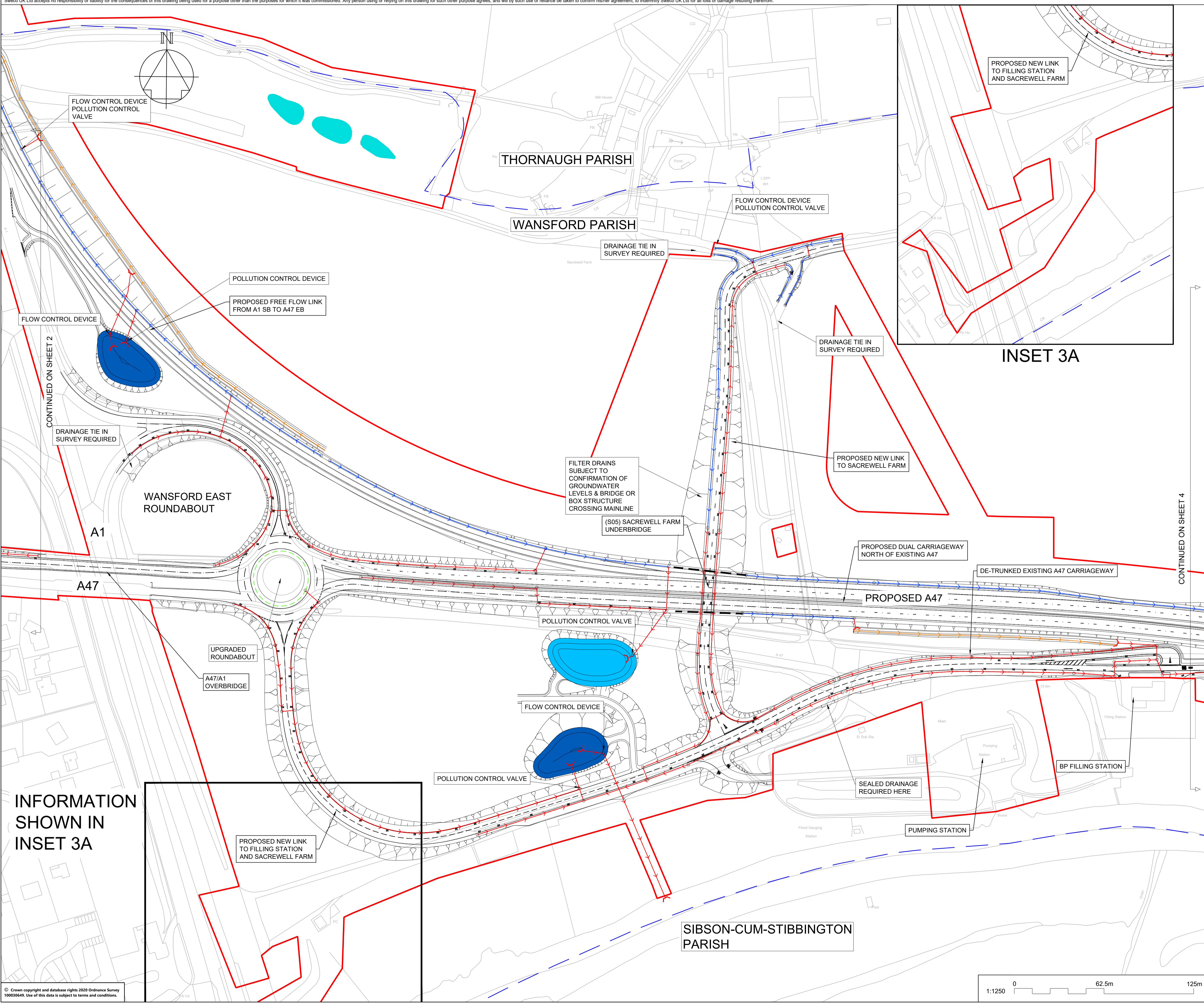
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DRAINAGE AND SURFACE WATER PLANS REGULATION 5(2)(o) SHEET 2 OF 7

SUITABILITY
AUTHORISED AS STAGE 3 COMPLETED

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DRAWING NUMBER
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SHEET PLAN

SHEETS 1 - 7 (INCLUDES INSETS 3A, 5B AND 7C)

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2. ALL DIMENSIONS ARE IN METRES UNLESS STATED OTHERWISE.

KEY TO SYMBOLS

DCO BOUNDARY	DRAINAGE DITCH
PARISH COUNCIL BOUNDARY	FILTER DRAIN
CLEAN WATER OUTFALL TO SOAKWAY	ROAD CARRIER DRAIN
ATTENUATION BASIN	CONCRETE SURFACE WATER CHANNEL & CARRIER DRAIN
INFILTRATION BASIN	CULVERTS
FLOOD STORAGE BASIN	OUTFALL DRAIN
GULLY/CKDU OUTFALL	GULLY
CKDU KERB SPLAY	MANHOLE
CKDU KERB HALF BATTER	HEADWALL
DECK DRAINAGE	

REV	DATE	REVISION NOTE	ORG	CHKD	APPD
P01	16/06/21	SGAR 3 ISSUE	CDye	AWoo	SCM
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P02	25/06/21	DCO ISSUE	CDye	AWoo	SCM
C02	25/06/21	DCO ISSUE	CDye	AWoo	SCM

DESIGNER
SWECO

CONTRACTOR
GallifordTry

CLIENT
highways england

PROJECT TITLE
A47 WANSFORD TO SUTTON DUALLING

PROJECT STAGE
PCF STAGE 3

DRAWING TITLE
DRAINAGE AND SURFACE WATER PLANS REGULATION 5(2)(o) SHEET 3 OF 7

SUITABILITY
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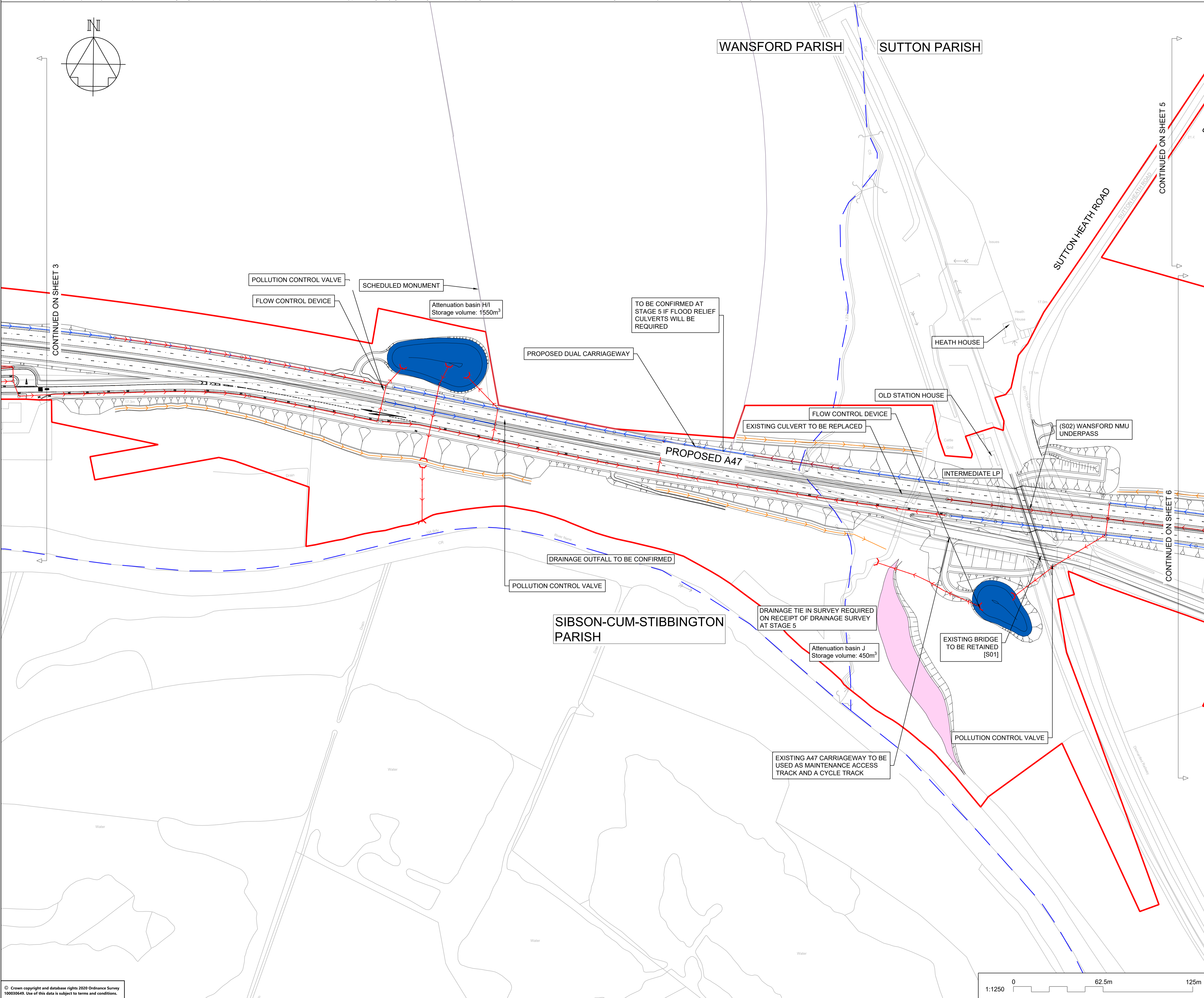
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Purpose of use
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TR010039/APP/2.7

SHEET PLAN

SHEETS 1 - 7 (INCLUDES INSETS 3A, 5B AND 7C)

WANSFORD RAILWAY UNDERPASS 5B

2 3 4 5 6 7

A47/A1 JUNCTION SACREWELL FARM UNDERBRIDGE NEW ROUNDABOUT

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KEY TO SYMBOLS

	DCO BOUNDARY		DRAINAGE DITCH
	PARISH COUNCIL BOUNDARY		FILTER DRAIN
	CLEAN WATER OUTFALL TO SOAKWAY		ROAD CARRIER DRAIN
	ATTENUATION BASIN		CONCRETE SURFACE WATER CHANNEL & CARRIER DRAIN
	INFILTRATION BASIN		CULVERTS
	FLOOD STORAGE BASIN		OUTFALL DRAIN
	GULLY/CKDU OUTFALL		GULLY
	CKDU KERB SPLAY		MANHOLE
	CKDU KERB HALF BATTER		HEADWALL
	DECK DRAINAGE		

REV	DATE	REVISION NOTE	ORG	CHKD	APPD
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P02	25/06/21	DCO ISSUE	CDye	AWoo	SCM
C02	25/06/21	DCO ISSUE	CDye	AWoo	SCM

DESIGNER

SWECO

CONTRACTOR

GallifordTry

CLIENT

highways england

PROJECT TITLE

A47 WANSFORD TO SUTTON DUALLING

PROJECT STAGE

PCF STAGE 3

DRAWING TITLE

**DRAINAGE AND SURFACE WATER PLANS
REGULATION 5(2)(o)
SHEET 4 OF 7**

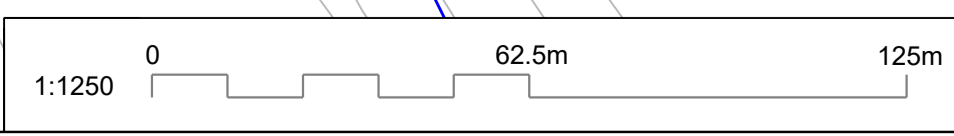
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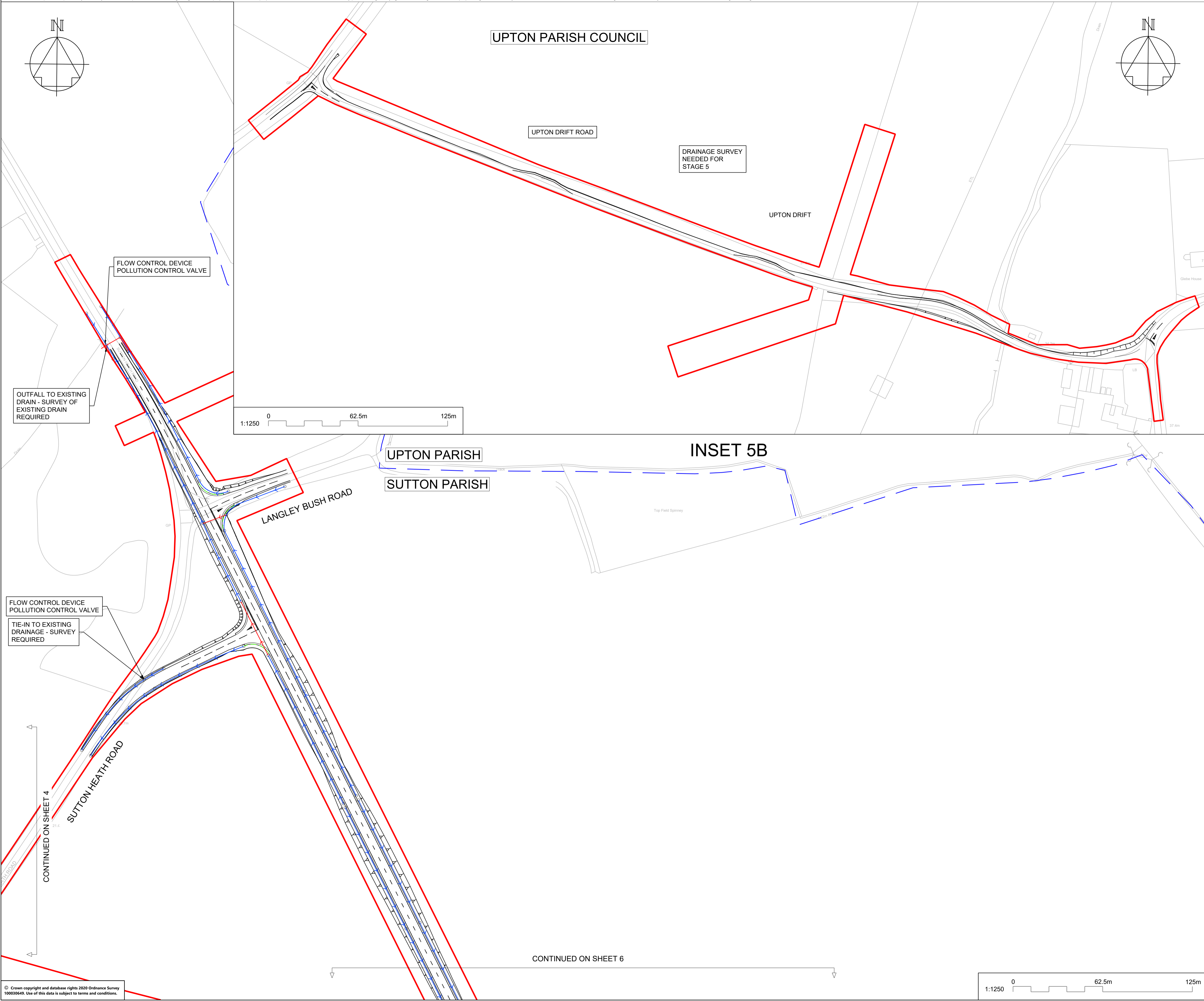
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SHEET PLAN

SHEETS 1 - 7 (INCLUDES INSETS 3A, 5B AND 7C)

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KEY TO SYMBOLS

DCO BOUNDARY	DRAINAGE DITCH
PARISH COUNCIL BOUNDARY	FILTER DRAIN
CLEAN WATER OUTFALL TO SOAKWAY	ROAD CARRIER DRAIN
ATTENUATION BASIN	CONCRETE SURFACE WATER CHANNEL & CARRIER DRAIN
INFILTRATION BASIN	CULVERTS
FLOOD STORAGE BASIN	OUTFALL DRAIN
GULLY/CKDU OUTFALL	GULLY
CKDU KERB SPLAY	MANHOLE
CKDU KERB HALF BATTER	HEADWALL
DECK DRAINAGE	

REV	DATE	REVISION NOTE	ORG	CHKD	APPD
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P02	25/06/21	DCO ISSUE	CDye	AWoo	SCM
C02	25/06/21	DCO ISSUE	CDye	AWoo	SCM

DESIGNER

SWECO

CONTRACTOR

GallifordTry

CLIENT

highways england

PROJECT TITLE

A47 WANSFORD TO SUTTON DUALLING

PROJECT STAGE

PCF STAGE 3

DRAWING TITLE

**DRAINAGE AND SURFACE WATER PLANS
REGULATION 5(2)(o)
SHEET 5 OF 7**

SUITABILITY

AUTHORISED AS STAGE 3 COMPLETED

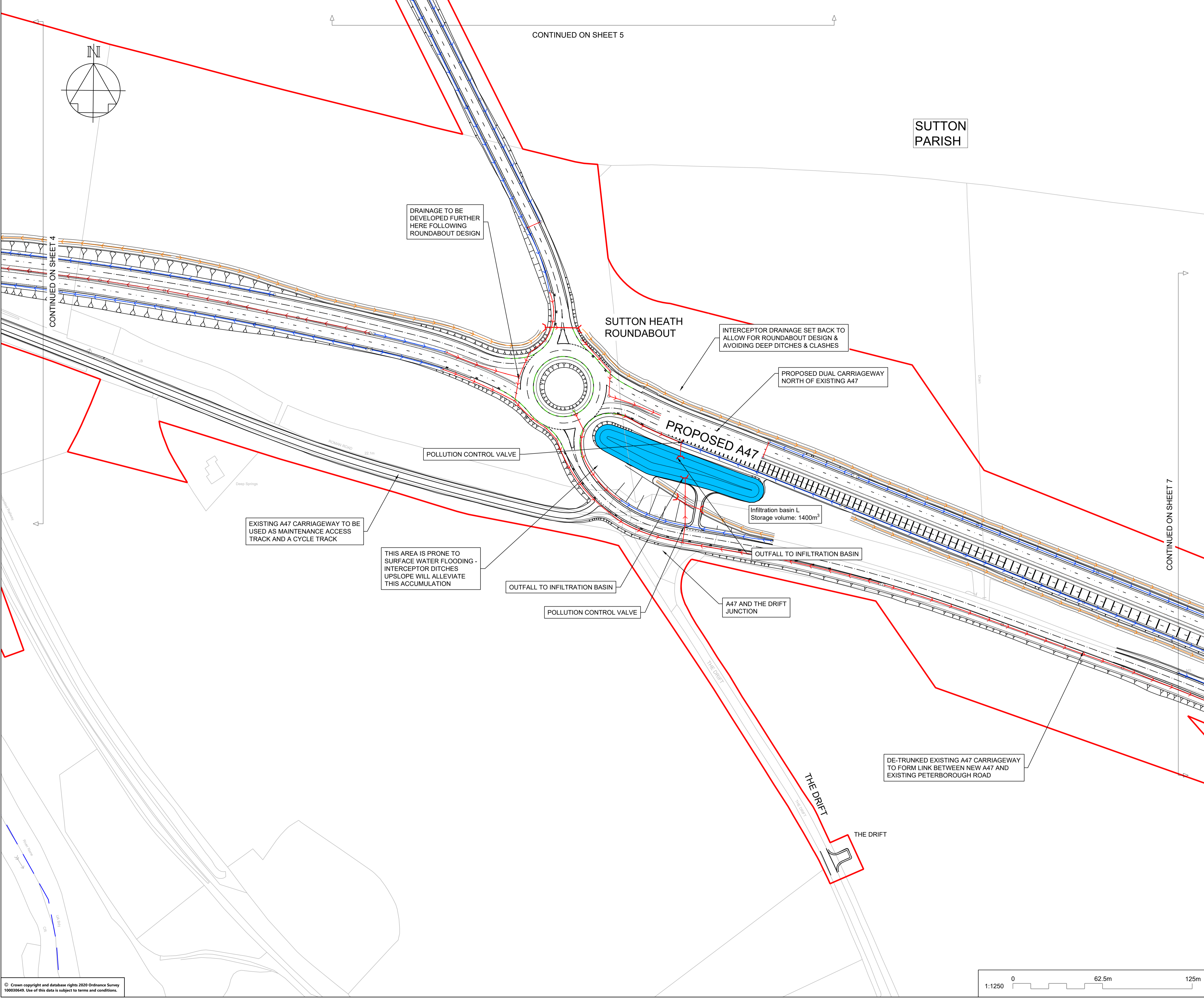
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TR010039/APP/2.7

SHEET PLAN

SHEETS 1 - 7 (INCLUDES INSETS 3A, 5B AND 7C)

WANSFORD RAILWAY UNDERPASS 5B

2 3 4 5 6 7

A47/A1 JUNCTION SACREWELL FARM UNDERBRIDGE NEW ROUNDABOUT

1. THESE PLANS SHOULD BE READ IN CONJUNCTION WITH OTHER PLANS AND DOCUMENTS IN THE DEVELOPMENT CONSENT ORDER.
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KEY TO SYMBOLS

	DCO BOUNDARY		DRAINAGE DITCH
	PARISH COUNCIL BOUNDARY		FILTER DRAIN
	CLEAN WATER OUTFALL TO SOAKWAY		ROAD CARRIER DRAIN
	ATTENUATION BASIN		CONCRETE SURFACE WATER CHANNEL & CARRIER DRAIN
	INFILTRATION BASIN		CULVERTS
	FLOOD STORAGE BASIN		OUTFALL DRAIN
	GULLY/CKDU OUTFALL		GULLY
	CKDU KERB SPLAY		MANHOLE
	CKDU KERB HALF BATTER		HEADWALL
	DECK DRAINAGE		

REV	DATE	REVISION NOTE	ORG	CHKD	APPD
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C02	25/06/21	DCO ISSUE	CDye	AWoo	SCM

DESIGNER
SWECO

CONTRACTOR
GallifordTry

CLIENT
highways england

PROJECT TITLE
A47 WANSFORD TO SUTTON DUALLING

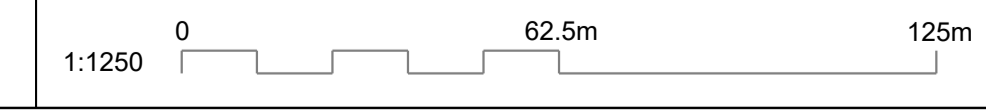
PROJECT STAGE
PCF STAGE 3

DRAWING TITLE
**DRAINAGE AND SURFACE WATER PLANS
REGULATION 5(2)(o)
SHEET 6 OF 7**

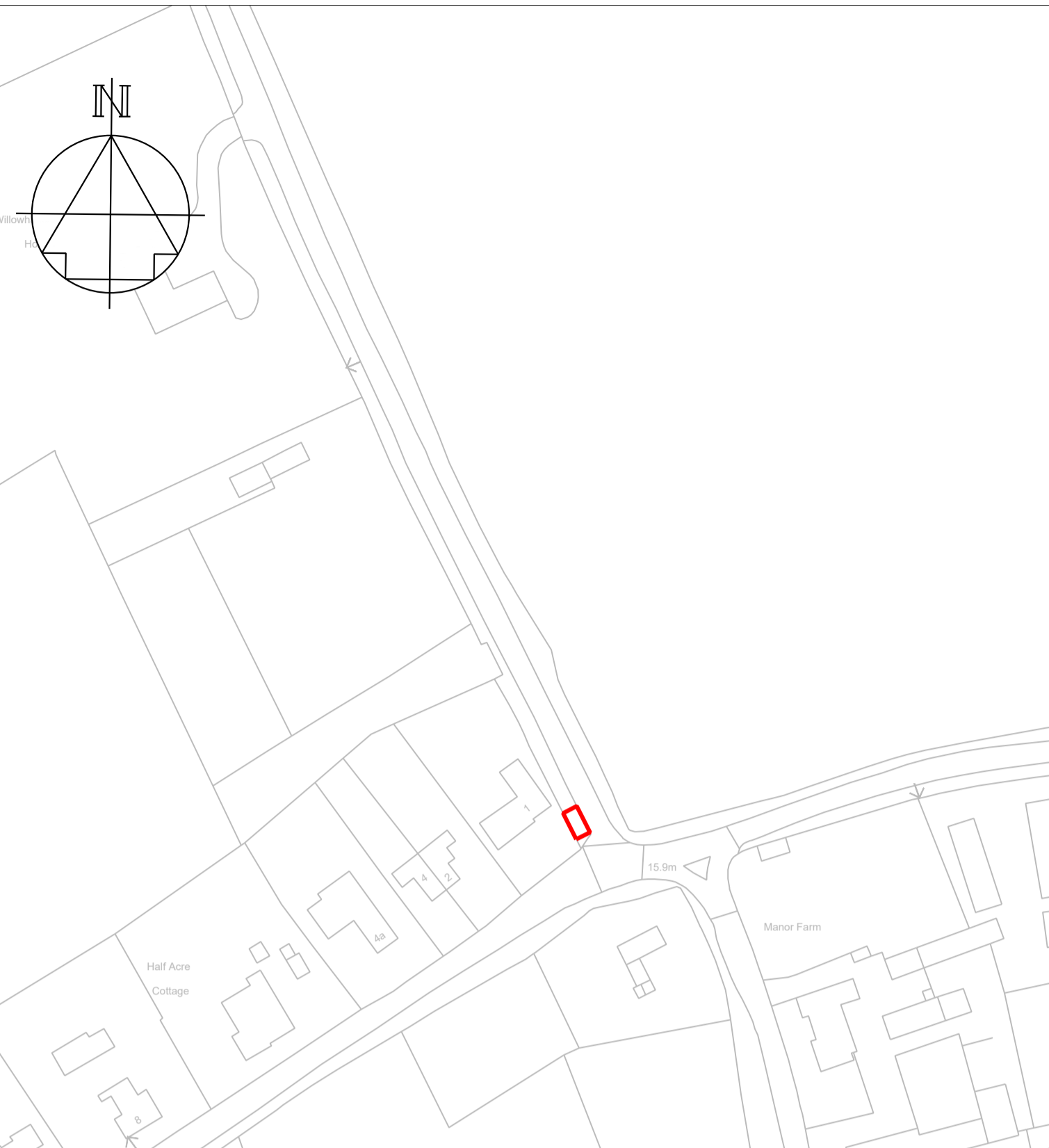
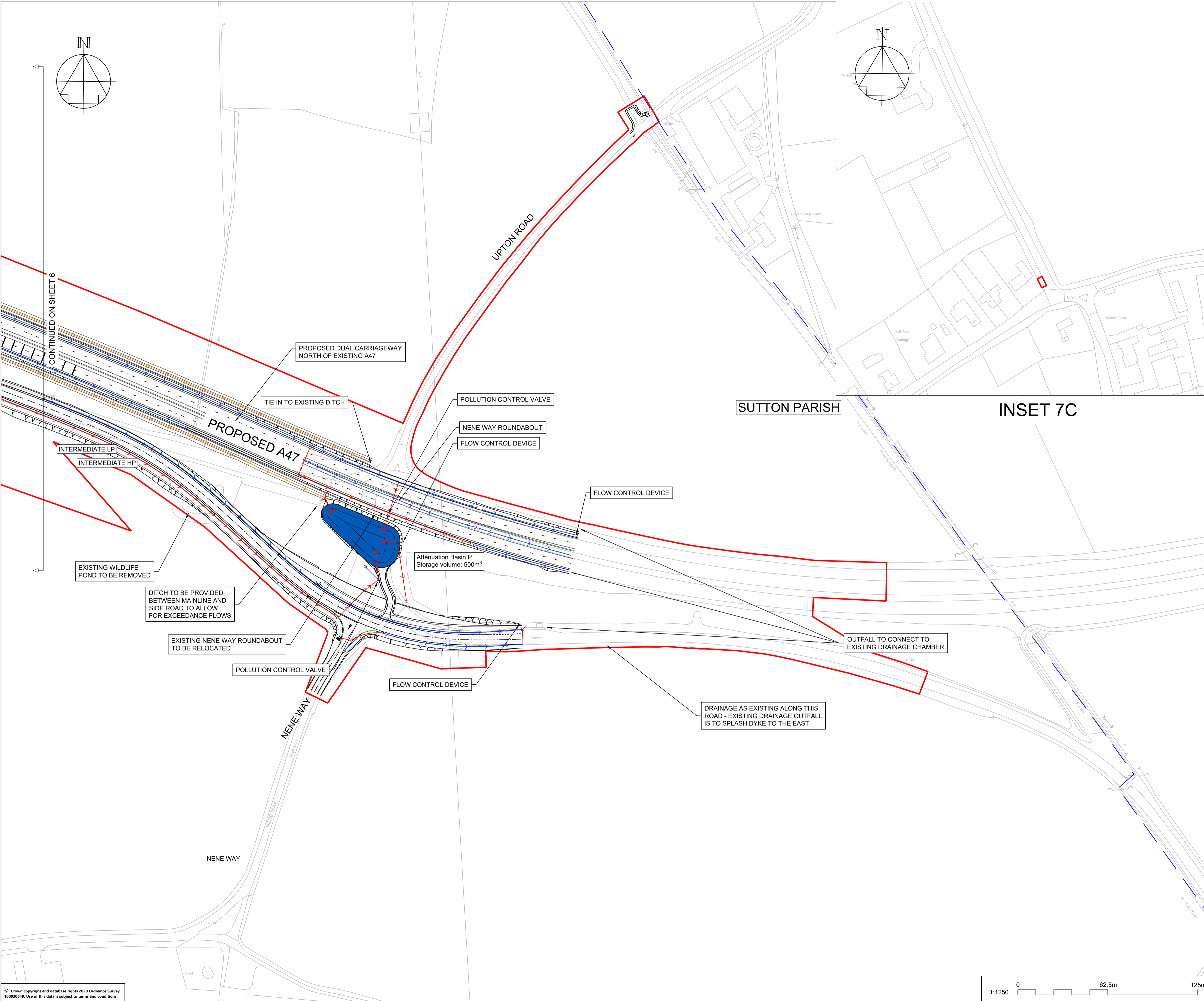
SUITABILITY
AUTHORISED AS STAGE 3 COMPLETED

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TR010039/APP/2.7

SHEET PLAN

SHEETS 1 - 7 (INCLUDES INSETS 3A, 5B AND 7C)

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KEY TO SYMBOLS

DCO BOUNDARY	DRAINAGE DITCH
PARISH COUNCIL BOUNDARY	FILTER DRAIN
CLEAN WATER OUTFALL TO SOAKWAY	ROAD CARRIER DRAIN
ATTENUATION BASIN	CONCRETE SURFACE WATER CHANNEL & CARRIER DRAIN
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CKDU KERB SPLAY	MANHOLE
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DECK DRAINAGE	

REV	DATE	REVISION NOTE	ORG	CHKD	APPD
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P02	25/06/21	DCO ISSUE	CDye	AWoo	SCM
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DESIGNER
SWECO

CONTRACTOR
GallifordTry

CLIENT
highways england

PROJECT TITLE
A47 WANSFORD TO SUTTON DUALLING

PROJECT STAGE
PCF STAGE 3

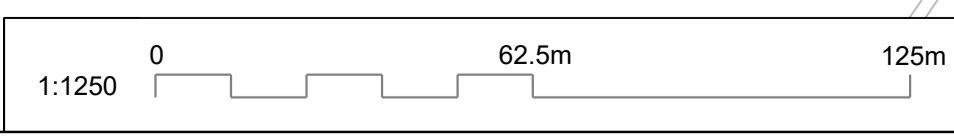
DRAWING TITLE
**DRAINAGE AND SURFACE WATER PLANS
REGULATION 5(2)(o)
SHEET 7 OF 7**

SUITABILITY
AUTHORISED AS STAGE 3 COMPLETED

SHEET SIZE A1	SCALE 1:1250	STATUS A3	REVISION C02
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DRAWING NUMBER
HE551494-GTY-HDG-000-DR-CD-31007

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NOTES

Purpose of use



FOR DCO SUBMISSION

Development Consent Order Number / Document

TR010039/APP/2.7

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

KEY TO SYMBOLS

-  ORDER LIMITS
-  SCHEME DESIGN

REV	DATE	REVISION NOTE	ORG	CHKD	APPD
P01	16/06/21	SGAR 3 ISSUE	CDye	AWoo	SCM
C01	16/06/21	SGAR 3 ISSUE	CDye	AWoo	SCM
P02	25/06/21	DCO ISSUE	CDye	AWoo	SCM
C02	25/06/21	DCO ISSUE	CDye	AWoo	SCM

DESIGNER



CONTRACTOR



CLIENT



PROJECT TITLE

A47 WANSFORD TO SUTTON DUALLING

PROJECT STAGE

PCF STAGE 3

DRAWING TITLE

**DRAINAGE AND SURFACE WATER PLANS
REGULATION 5(2)(o)
KEY PLAN**

SUITABILITY

AUTHORISED AS STAGE 3 COMPLETED

SHEET SIZE	SCALE	STATUS	REVISION
A1	1:10000	A3	C02

DRAWING NUMBER

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