

A47 Blofield to North Burlingham Dualling

Scheme Number: TR010040

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

December 2020

Infrastructure Planning

Planning Act 2008

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

A47 Blofield to North Burlingham
Development Consent Order 202[x]

DRAINAGE AND SURFACE WATER PLANS

Regulation Number:	Regulation 5(2)(o)
Planning Inspectorate Scheme Reference	TR010040
Application Document Reference	2.7
BIM Document Reference	PCF STAGE 3 HE551490-GTY-LSI-000-RP-TX-30028 P01
Author:	A47 Blofield to North Burlingham Dualling Project Team, Highways England

Version	Date	Status of Version
Rev 0	December 2020	Application Issue

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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 Blofield to North Burlingham 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 Blofield and North Burlingham. 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) (**TR010040/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”.*
- 5(4) “where a plan comprises three or more separate sheets a key plan must be provided showing the relationship between the different sheets”.*
- 1.1.4 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 (**TR010040/APP/3.1**), the Engineering Drawings and Sections (**TR010040/APP/2.5**) and the Works Plans (**TR010040/APP/2.3**).

2 SCHEDULE OF PLANS INCLUDED IN THIS APPLICATION DOCUMENT

Drawing Title	Drawing Number	Revision
Drainage and Surface Water Plans Regulation 5(2)(o) Key Plan	HE551490-GTY-HDG-000- DR-CD-30041	P01
Drainage and Surface Water Plans Regulation 5(2)(o) Sheet 1 of 8	HE551490-GTY-HDG-000- DR-CD-30033	P01
Drainage and Surface Water Plans Regulation 5(2)(o) Sheet 2 of 8	HE551490-GTY-HDG-000- DR-CD-30034	P01
Drainage and Surface Water Plans Regulation 5(2)(o) Sheet 3 of 8	HE551490-GTY-HDG-000- DR-CD-30035	P01
Drainage and Surface Water Plans Regulation 5(2)(o) Sheet 4 of 8	HE551490-GTY-HDG-000- DR-CD-30036	P01
Drainage and Surface Water Plans Regulation 5(2)(o) Sheet 5 of 8	HE551490-GTY-HDG-000- DR-CD-30037	P01
Drainage and Surface Water Plans Regulation 5(2)(o) Sheet 6 of 8	HE551490-GTY-HDG-000- DR-CD-30038	P01
Drainage and Surface Water Plans Regulation 5(2)(o) Sheet 7 of 8	HE551490-GTY-HDG-000- DR-CD-30039	P01
Drainage and Surface Water Plans Regulation 5(2)(o) Sheet 8 of 8	HE551490-GTY-HDG-000- DR-CD-30040	P01



NOTES

Purpose of use

FOR DCO SUBMISSION

Development Consent Order Number / Document

TR010040/APP/2.7

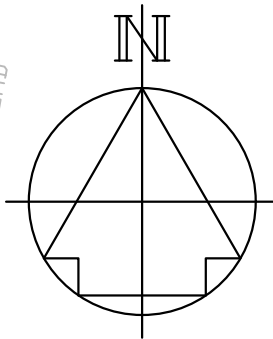
1. ALL DIMENSIONS ARE IN METRES UNLESS STATED OTHERWISE.
2. THESE PLANS SHOULD BE READ IN CONJUNCTION WITH OTHER PLANS AND DOCUMENTS IN THE DEVELOPMENT CONSENT ORDER, IN PARTICULAR THE BOOK OF REFERENCE.

KEY TO SYMBOLS

ORDER LIMITS

AREA EXCLUDED FROM ORDER LIMITS

P01	09/12/20	FOR DCO SUBMISSION	BSim	PE	SMay
REV	DATE	REVISION NOTE	ORG	CHKD	APPD
DESIGNER					
SWECO					
CONTRACTOR					
GallifordTry					
CLIENT					
highways england					
PROJECT TITLE					
A47 BLOFIELD TO NORTH BURLINGHAM DUALLING					
PROJECT STAGE					
PCF STAGE 3					
DRAWING TITLE					
DRAINAGE AND SURFACE WATER PLANS REGULATION 5(2)(o) KEY PLAN					
SUITABILITY					
SUITABLE FOR INFORMATION					
SHEET SIZE	SCALE	STATUS	REVISION		
A1	1:10000	S2	P01		
DRAWING NUMBER					
HE551490-GTY-HDG-000-DR-CD-30041					



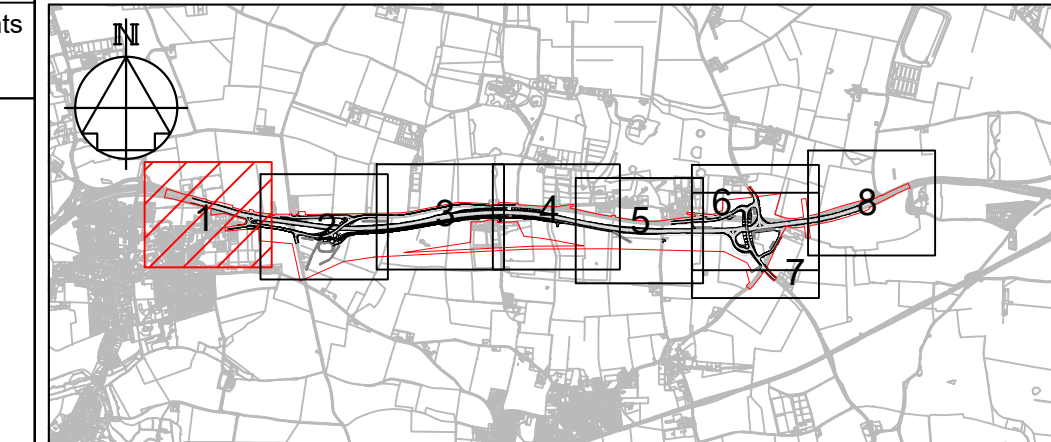
Road Run-off								
Catchment	Impermeable Area (ha)	Modelled storm events including Climate Change (CC) allowance - Discharge Volume			Soakaway / Infiltration Basin ID	Infiltration Rate (m/s)	Half Drain Time (hrs)	Result
		1 in 10 year plus 20% CC (m³)	1 in 100 year plus 20% CC (m³)	1 in 100 year plus 40% CC (m³)				
1	5.532	1586	2154	4350	PR1	1.20E-05	40	Flows do not exceed ground level in all events modeled (In accordance with CG 501)
7	0.716	247	318	385	SR7	1.20E-05	24	

Purpose of use	
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FOR DCO SUBMISSION

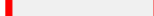
TR010040/APP/2.7

TR010040/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.
3. SOAKAWAY LOCATIONS ARE INDICATIVE ONLY AND SUBJECT TO FURTHER INFILTRATION TESTING.

KEY TO SYMBOLS

	ORDER LIMITS		FILTER DRAIN
	AREA EXCLUDED FROM ORDER LIMITS		NARROW FILTER DRAIN
	PARISH BOUNDARY		ROAD CARRIER DRAIN
	INTERCEPTOR DITCH		ROAD CROSSING DRAIN
	CLEAN WATER OUTFALL TO SOAKAWAY		OUTFALL DRAIN
	TOE DRAIN		CATCHPIT
	DRIVEABLE SWALE		MANHOLE
	CROSS DRAIN		*CKDU KERB SPLAY
	SOAKAWAY		*CKDU KERB HALF BATTER
	CLEAN WATER SOAKAWAY		
	GULLY / CKDU OUTFALL		*COMBINED KERB DRAIN UNIT

P01	09/12/20	FOR DCO SUBMISSION	BSim	PE	SMay
REV	DATE	REVISION NOTE	ORG	CHK'D	APP'D

SWECO 



GallifordTry



A47 BLOFIELD TO

A47 BLOFIELD TO
NORTH BURLINGHAM DUALLING

PCF STAGE 3

PCF STAGE 3

DRAINAGE AND SURFACE WATER PLANS

DRAINAGE AND SURFACE WATER PLANS
REGULATION 5(2)(o)
SHEET 1 OF 8

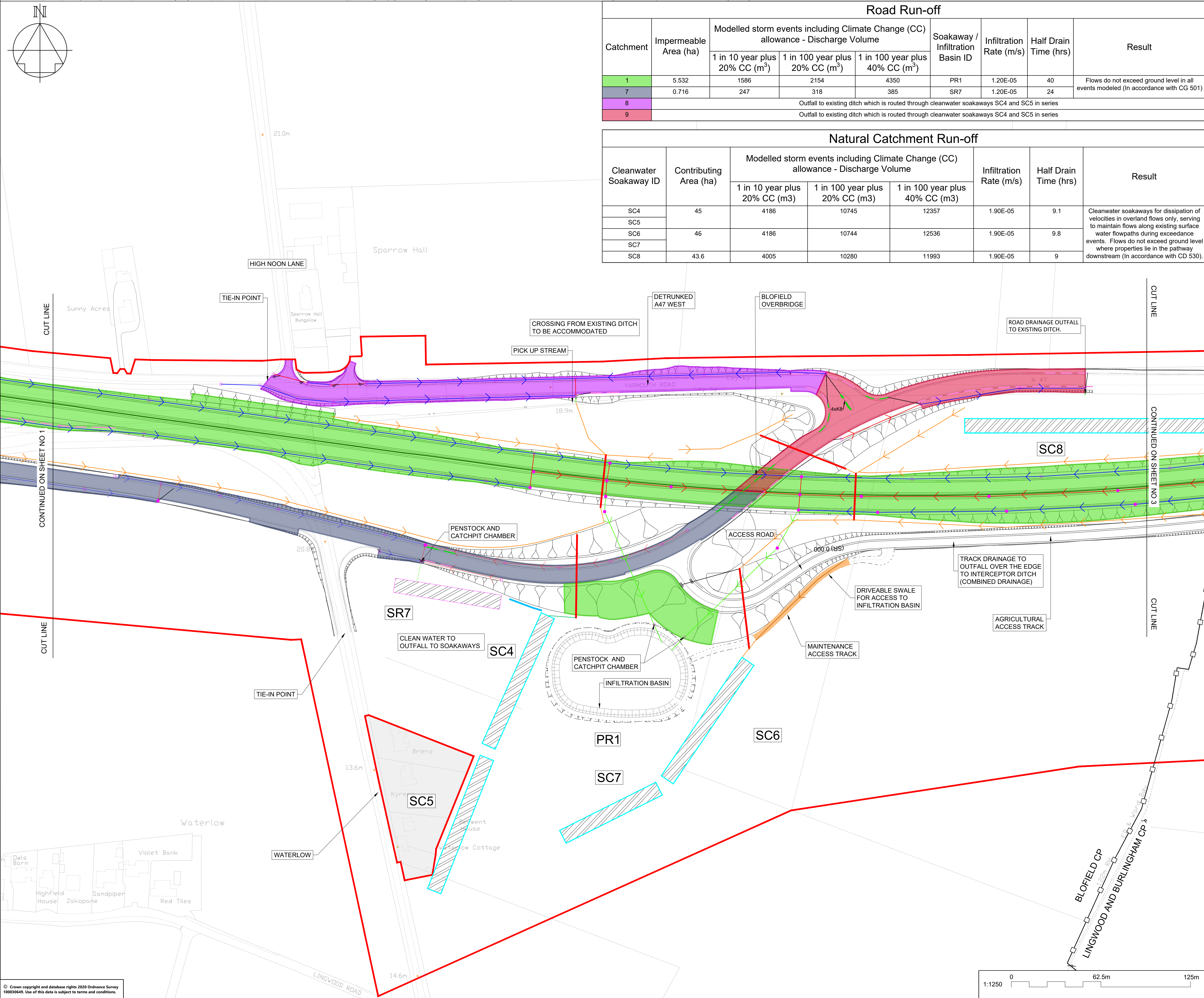
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HE551490-GTY-HDG-000-DR-CD-30033

DRAWING NUMBER
HE551490-GTY-HDG-000-DR-CD-30033



Road Run-off

Catchment	Impermeable Area (ha)	Modelled storm events including Climate Change (CC) allowance - Discharge Volume			Soakaway / Infiltration Basin ID	Infiltration Rate (m/s)	Half Drain Time (hrs)	Result
		1 in 10 year plus 20% CC (m³)	1 in 100 year plus 20% CC (m³)	1 in 100 year plus 40% CC (m³)				
1	5.532	1586	2154	4350	PR1	1.20E-05	40	Flows do not exceed ground level in all events modeled (In accordance with CG 501)
7	0.716	247	318	385	SR7	1.20E-05	24	
8								
9								Outfall to existing ditch which is routed through cleanwater soakaways SC4 and SC5 in series
								Outfall to existing ditch which is routed through cleanwater soakaways SC4 and SC5 in series

Natural Catchment Run-off

Cleanwater Soakaway ID	Contributing Area (ha)	Modelled storm events including Climate Change (CC) allowance - Discharge Volume			Infiltration Rate (m/s)	Half Drain Time (hrs)	Result
		1 in 10 year plus 20% CC (m3)	1 in 100 year plus 20% CC (m3)	1 in 100 year plus 40% CC (m3)			
SC4	45	4186	10745	12357	1.90E-05	9.1	Cleanwater soakaways for dissipation of velocities in overland flows only, serving to maintain flows along existing surface water flowpaths during exceedance events. Flows do not exceed ground level where properties lie in the pathway downstream (In accordance with CD 530).
SC5							
SC6	46	4186	10744	12536	1.90E-05	9.8	
SC7							
SC8	43.6	4005	10280	11993	1.90E-05	9	

NOTES

Purpose of use

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TR010040/APP/2.7

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KEY TO SYMBOLS

ORDER LIMITS	FILTER DRIN
AREA EXCLUDED FROM ORDER LIMITS	NARROW FILTER DRAIN
PARISH BOUNDARY	ROAD CARRIER DRAIN
INTERCEPTOR DITCH	ROAD CROSSING DRAIN
CLEAN WATER OUTFALL TO SOAKAWAY	OUTFALL DRAIN
TOE DRAIN	CATCHPIT
DRIVEABLE SWALE	MANHOLE
CROSS DRAIN	*CKDU KERB SPLAY
SOAKAWAY	*CKDU KERB HALF BATTER
CLEAN WATER SOAKAWAY	*COMBINED KERB DRAIN UNIT
GULLY / CKDU OUTFALL	

P01	09/12/20	FOR DCO SUBMISSION	BSim	PE	SMay
REV	DATE	REVISION NOTE	ORG	CHKD	APPD

DESIGNER

CONTRACTOR

CLIENT

PROJECT TITLE

A47 BLOFIELD TO NORTH BURLINGHAM DUALLING

PROJECT STAGE

PCF STAGE 3

DRAWING TITLE

DRAINAGE AND SURFACE WATER PLANS REGULATION 5(2)(o) SHEET 2 OF 8

SUITABILITY

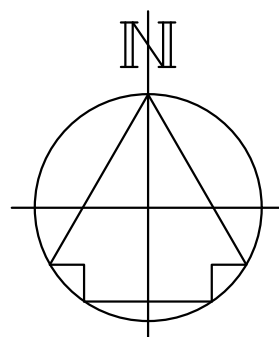
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DRAWING NUMBER

HE551490-GTY-HDG-000-DR-CD-30034

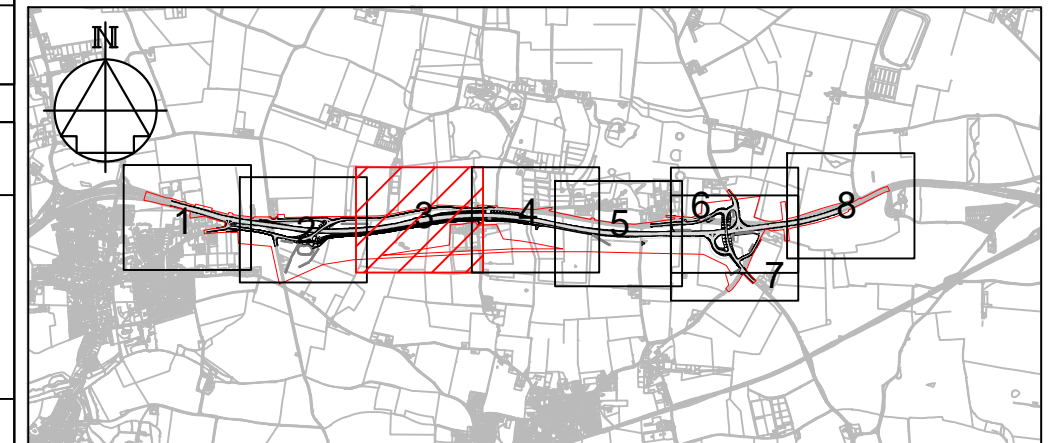
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Natural Catchment Run-off							
Cleanwater Soakaway ID	Contributing Area (ha)	Modelled storm events including Climate Change (CC) allowance - Discharge Volume			Infiltration Rate (m/s)	Half Drain Time (hrs)	Result
		1 in 10 year plus 20% CC (m³)	1 in 100 year plus 20% CC (m³)	1 in 100 year plus 40% CC (m³)			
SC8	43.6	4005	10280	11993	1.90E-05	9	Cleanwater soakaways for dissipation of velocities in overland flows only, serving to maintain flows along existing surface water flowpaths during exceedance events. Flows do not exceed ground level where properties lie in the pathway downstream (In accordance with CD 530).

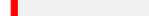
Purpose of use	FOR DCO SUBMISSION
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TR010040/APP/2.7



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.

— ORDER LIMITS → FILTER DRIN

- | | | | |
|---|---------------------------------|---|---------------------------|
|  | ORDER LIMITS |  | FILTER DRAIN |
|  | AREA EXCLUDED FROM ORDER LIMITS |  | NARROW FILTER DRAIN |
|  | PARISH BOUNDARY |  | ROAD CARRIER DRAIN |
|  | INTERCEPTOR DITCH |  | ROAD CROSSING DRAIN |
|  | CLEAN WATER OUTFALL TO SOAKAWAY |  | OUTFALL DRAIN |
|  | TOE DRAIN |  | CATCHPIT |
|  | DRIVEABLE SWALE |  | MANHOLE |
|  | CROSS DRAIN |  | *CKDU KERB SPLAY |
|  | SOAKAWAY |  | *CKDU KERB HALF BATTER |
|  | CLEAN WATER SOAKAWAY | | |
|  | GULLY / CKDU OUTFALL | | |
| | | | *COMBINED KERB DRAIN UNIT |

P01	09/12/20	FOR DCO SUBMISSION	B'Sim	PE	S'May
REV	DATE	REVISION NOTE	ORG	CHK'D	APP'D
DESIGNER					

SWECO 

CONTRACTOR


GallifordTry

CLIENT

 **highways**
england

PROJECT TITLE	A47 BLOFIELD TO NORTH BURLINGHAM DUALLING
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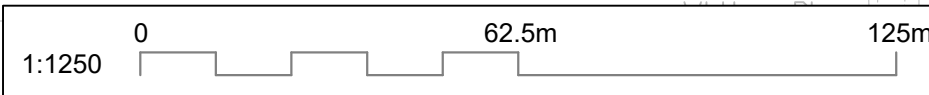
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PCF STAGE 3

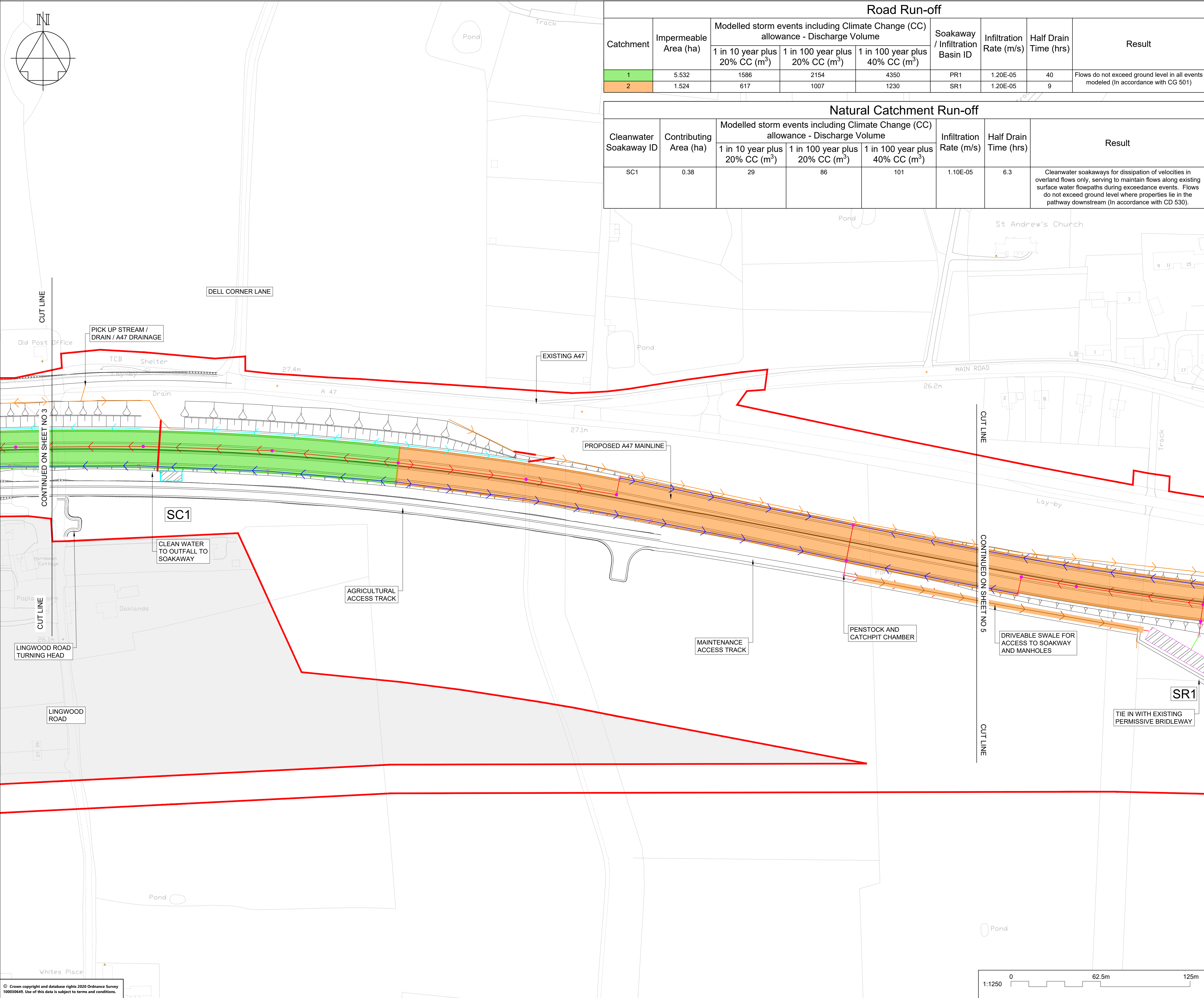
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DRAINAGE AND SURFACE WATER PLANS REGULATION 5(2)(o) SHEET 3 OF 8

SUITABILITY	SUITABLE FOR INFORMATION
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SHEET SIZE	SCALE	STATUS	REVISION
A1	1:1250	S2	P01

DRAWING NUMBER	HE551490-GTY-HDG-000-DR-CD-30035
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Road Run-off								
Catchment	Impermeable Area (ha)	Modelled storm events including Climate Change (CC) allowance - Discharge Volume			Soakaway / Infiltration Basin ID	Infiltration Rate (m/s)	Half Drain Time (hrs)	Result
		1 in 10 year plus 20% CC (m³)	1 in 100 year plus 20% CC (m³)	1 in 100 year plus 40% CC (m³)				
1	5.532	1586	2154	4350	PR1	1.20E-05	40	Flows do not exceed ground level in all events modeled (In accordance with CG 501)
2	1.524	617	1007	1230	SR1	1.20E-05	9	

Natural Catchment Run-off							
Cleanwater Soakaway ID	Contributing Area (ha)	Modelled storm events including Climate Change (CC) allowance - Discharge Volume			Infiltration Rate (m/s)	Half Drain Time (hrs)	Result
		1 in 10 year plus 20% CC (m³)	1 in 100 year plus 20% CC (m³)	1 in 100 year plus 40% CC (m³)			
SC1	0.38	29	86	101	1.10E-05	6.3	Cleanwater soakaways for dissipation of velocities in overland flows only, serving to maintain flows along existing surface water flowpaths during exceedance events. Flows do not exceed ground level where properties lie in the pathway downstream (In accordance with CD 530).

NOTES

Purpose of use

FOR DCO SUBMISSION

Development Consent Order Number / Document

TR010040/APP/2.7

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

ORDER LIMITS

AREA EXCLUDED FROM ORDER LIMITS

PARISH BOUNDARY

INTERCEPTOR DITCH

CLEAN WATER OUTFALL TO SOAKAWAY

TOE DRAIN

DRIVEABLE SWALE

CROSS DRAIN

SOAKAWAY

CLEAN WATER SOAKAWAY

GULLY / CKDU OUTFALL

FILTER DRIN

NARROW FILTER DRAIN

ROAD CARRIER DRAIN

ROAD CROSSING DRAIN

OUTFALL DRAIN

CATCHPIT

MANHOLE

*CKDU KERB SPLAY

*CKDU KERB HALF BATTER

*COMBINED KERB DRAIN UNIT

P01	09/12/20	FOR DCO SUBMISSION	BSim	PE	SMay
REV	DATE	REVISION NOTE	ORG	CHKD	APPD

DESIGNER

CONTRACTOR

CLIENT

PROJECT TITLE

A47 BLOFIELD TO NORTH BURLINGHAM DUALLING

PROJECT STAGE

PCF STAGE 3

DRAWING TITLE

DRAINAGE AND SURFACE WATER PLANS
REGULATION 5(2)(o)
SHEET 4 OF 8

SUITABILITY

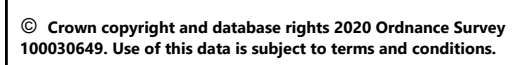
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DRAWING NUMBER

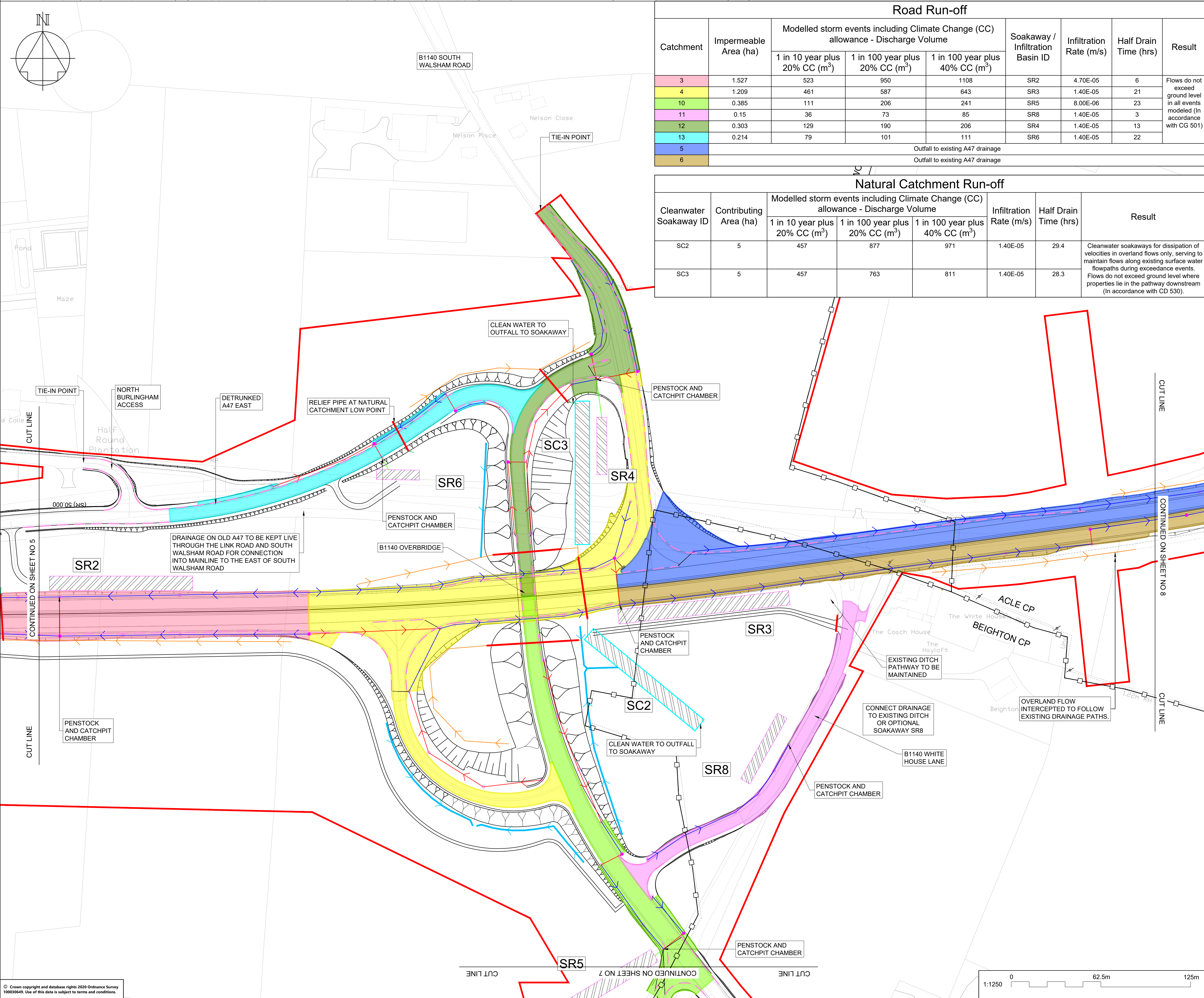
HE551490-GTY-HDG-000-DR-CD-30036

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Architectural drawing showing a plan view of a building with a ramp and a section view labeled "1:1250".

HE551490-GTY-HDG-000-DR-CD-30037



Road Run-off

Catchment	Impermeable Area (ha)	Modelled storm events including Climate Change (CC) allowance - Discharge Volume			Soakaway / Infiltration Basin ID	Infiltration Rate (m/s)	Half Drain Time (hrs)	Result
		1 in 10 year plus 20% CC (m³)	1 in 100 year plus 20% CC (m³)	1 in 100 year plus 40% CC (m³)				
3	1.527	523	950	1108	SR2	4.70E-05	6	
4	1.209	461	587	643	SR3	1.40E-05	21	
10	0.385	111	206	241	SR5	8.00E-06	23	
11	0.15	36	73	85	SR8	1.40E-05	3	
12	0.303	129	190	206	SR4	1.40E-05	13	
13	0.214	79	101	111	SR6	1.40E-05	22	
5	Outfall to existing A47 drainage							
6	Outfall to existing A47 drainage							

Natural Catchment Run-off

Cleanwater Soakaway ID	Contributing Area (ha)	Modelled storm events including Climate Change (CC) allowance - Discharge Volume			Infiltration Rate (m/s)	Half Drain Time (hrs)	Result
		1 in 10 year plus 20% CC (m³)	1 in 100 year plus 20% CC (m³)	1 in 100 year plus 40% CC (m³)			
SC2	5	457	877	971	1.40E-05	29.4	Cleanwater soakaways for dissipation of velocities in overland flows only, serving to maintain flows along existing surface water flowpaths during exceedance events. Flows do not exceed ground level where properties lie in the pathway downstream (In accordance with CD 530).
SC3	5	457	763	811	1.40E-05	28.3	

NOTES

Purpose of use

FOR DCO SUBMISSION

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TR010040/APP/2.7

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2. ALL DIMENSIONS ARE IN METRES UNLESS STATED OTHERWISE.

KEY TO SYMBOLS

ORDER LIMITS	FILTER DRIN
AREA EXCLUDED FROM ORDER LIMITS	NARROW FILTER DRAIN
PARISH BOUNDARY	ROAD CARRIER DRAIN
INTERCEPTOR DITCH	ROAD CROSSING DRAIN
CLEAN WATER OUTFALL TO SOAKAWAY	OUTFALL DRAIN
TOE DRAIN	CATCHPIT
DRIVEABLE SWALE	MANHOLE
CROSS DRAIN	*CKDU KERB SPLAY
SOAKAWAY	*CKDU KERB HALF BATTER
CLEAN WATER SOAKAWAY	*COMBINED KERB DRAIN UNIT
GULLY / CKDU OUTFALL	

P01	09/12/20	FOR DCO SUBMISSION	BSim	PE	SMay
REV	DATE	REVISION NOTE	ORG	CHKD	APPD

DESIGNER

SWECO

CONTRACTOR

GallifordTry

CLIENT

highways england

PROJECT TITLE

A47 BLOFIELD TO NORTH BURLINGHAM DUALLING

PROJECT STAGE

PCF STAGE 3

DRAWING TITLE

**DRAINAGE AND SURFACE WATER PLANS
REGULATION 5(2)(o)
SHEET 6 OF 8**

SUITABILITY

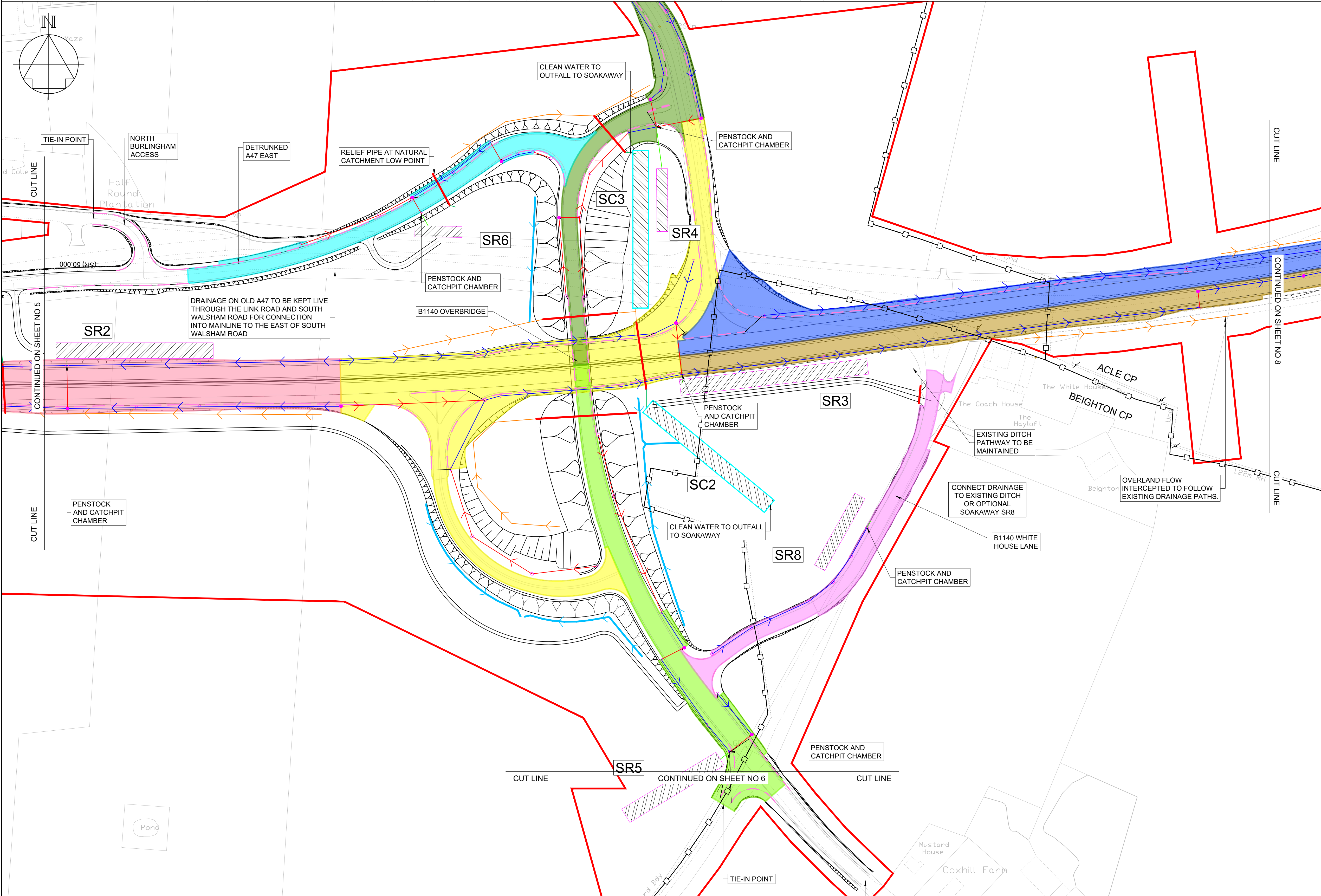
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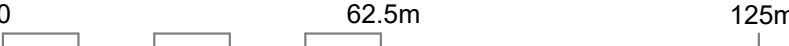
SHEET SIZE	SCALE	STATUS	REVISION
A1	1:1250	S2	P01

DRAWING NUMBER

HE551490-GTY-HDG-000-DR-CD-30038

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Road Run-off								
Catchment	Impermeable Area (ha)	Modelled storm events including Climate Change (CC) allowance - Discharge Volume			Soakaway / Infiltration Basin ID	Infiltration Rate (m/s)	Half Drain Time (hrs)	Result
		1 in 10 year plus 20% CC (m³)	1 in 100 year plus 20% CC (m³)	1 in 100 year plus 40% CC (m³)				
3	1.527	523	950	1108	SR2	4.70E-05	6	Flows do not exceed ground level in all events modelled (in accordance with CG 501)
4	1.209	461	587	643	SR3	1.40E-05	21	
10	0.385	111	206	241	SR5	8.00E-06	23	
11	0.15	36	73	85	SR8	1.40E-05	3	
12	0.303	129	190	206	SR4	1.40E-05	13	
13	0.214	79	101	111	SR6	1.40E-05	22	
5	Outfall to existing A47 drainage							
6	Outfall to existing A47 drainage							
© Crown copyright and database rights 2020 Ordnance Survey 100030649. Use of this data is subject to terms and conditions.		1:1250						

Natural Catchment Run-off							
Cleanwater Soakaway ID	Contributing Area (ha)	Modelled storm events including Climate Change (CC) allowance - Discharge Volume			Infiltration Rate (m/s)	Half Drain Time (hrs)	Result
		1 in 10 year plus 20% CC (m³)	1 in 100 year plus 20% CC (m³)	1 in 100 year plus 40% CC (m³)			
SC2	5	457	877	971	1.40E-05	29.4	Cleanwater soakaways for dissipation of velocities in overland flows only, serving to maintain flows along existing surface water flowpaths during exceedance events. Flows do not exceed ground level where properties lie in the pathway downstream (In accordance with CD 530).
SC3	5	457	763	811	1.40E-05	28.3	

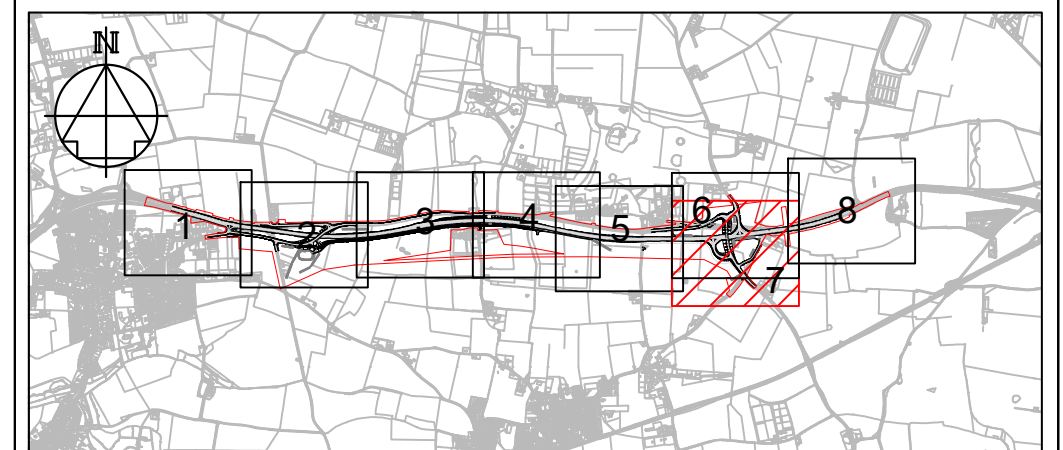
NOTES

Purpose of use

FOR DCO SUBMISSION

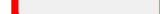
Development Consent Order Number / Document

TR010040/APP/2.7



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2. ALL DIMENSIONS ARE IN METRES UNLESS STATED OTHERWISE.

KEY TO SYMBOLS

	ORDER LIMITS		FILTER DRAIN
	AREA EXCLUDED FROM ORDER LIMITS		NARROW FILTER DRAIN
	PARISH BOUNDARY		ROAD CARRIER DRAIN
	INTERCEPTOR DITCH		ROAD CROSSING DRAIN
	CLEAN WATER OUTFALL TO SOAKAWAY		OUTFALL DRAIN
	TOE DRAIN		CATCHPIT
	DRIVEABLE SWALE		MANHOLE
	CROSS DRAIN		*CKDU KERB SPLAY
	SOAKAWAY		*CKDU KERB HALF BATTER
	CLEAN WATER SOAKAWAY		
	GULLY / CKDU OUTFALL		*COMBINED KERB DRAIN UNIT

P01	09/12/20	FOR DCO SUBMISSION	BSim	PE	SMay
REV	DATE	REVISION NOTE	ORG	CHKD	APPD

DESIGNER

CONTRACTOR

CLIENT _____

PROJECT TITLE

A47 BLOFIELD TO
NORTH BURLINGHAM DUALLING

PROJECT STAGE

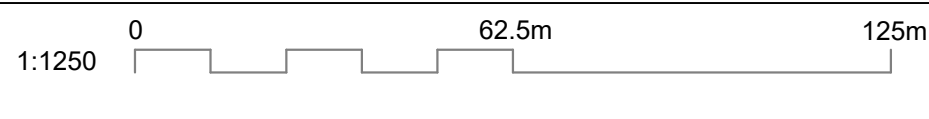
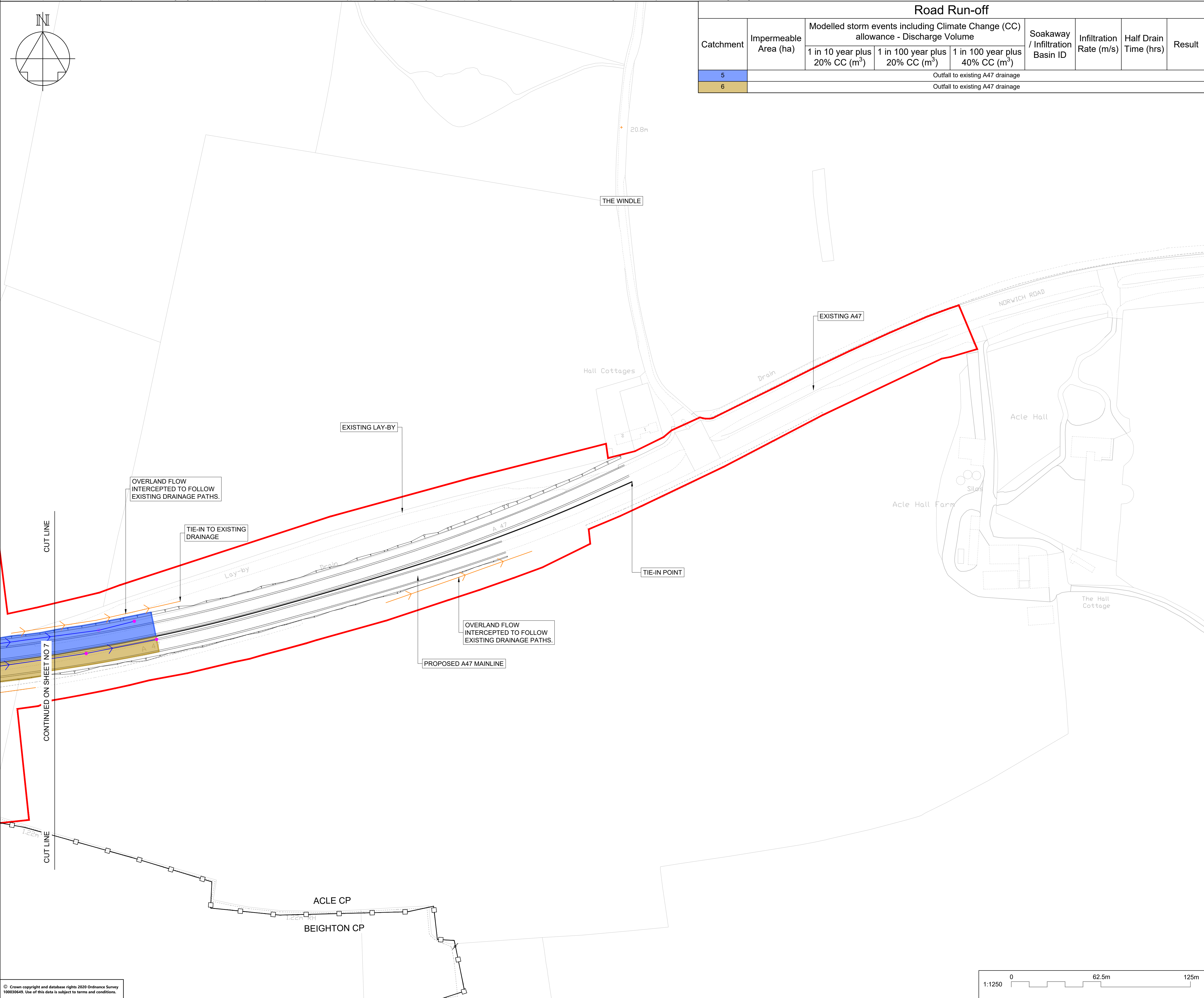
PCF STAGE 3

DRAINAGE TITLE
DRAINAGE AND SURFACE WATER PLANS
REGULATION 5(2)(o)
SHEET 7 OF 8

SUITABILITY	SUITABLE FOR INFORMATION
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SHEET SIZE	SCALE	STATUS	REVISION
A1	1:1250	S2	P01

DRAWING NUMBER
HE551490-GTY-HDG-000-DR-CD-30039



Road Run-off

Catchment	Impermeable Area (ha)	Modelled storm events including Climate Change (CC) allowance - Discharge Volume			Soakaway / Infiltration Basin ID	Infiltration Rate (m/s)	Half Drain Time (hrs)	Result
		1 in 10 year plus 20% CC (m³)	1 in 100 year plus 20% CC (m³)	1 in 100 year plus 40% CC (m³)				
5		Outfall to existing A47 drainage						
6		Outfall to existing A47 drainage						

NOTES

Purpose of use

FOR DCO SUBMISSION

Development Consent Order Number / Document

TR010040/APP/2.7

- 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

	ORDER LIMITS		FILTER DRIN
	AREA EXCLUDED FROM ORDER LIMITS		NARROW FILTER DRAIN
	PARISH BOUNDARY		ROAD CARRIER DRAIN
	INTERCEPTOR DITCH		ROAD CROSSING DRAIN
	CLEAN WATER OUTFALL TO SOAKAWAY		OUTFALL DRAIN
	TOE DRAIN		CATCHPIT
	DRIVEABLE SWALE		MANHOLE
	CROSS DRAIN		*CKDU KERB SPLAY
	SOAKAWAY		*CKDU KERB HALF BATTER
	CLEAN WATER SOAKAWAY		
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P01	09/12/20	FOR DCO SUBMISSION	BSim	PE	SMay
REV	DATE	REVISION NOTE	ORG	CHKD	APPD

DESIGNER

SWECO

CONTRACTOR

GallifordTry

CLIENT

highways
england

PROJECT TITLE

A47 BLOFIELD TO NORTH BURLINGHAM DUALLING

PROJECT STAGE

PCF STAGE 3

DRAWING TITLE

DRAINAGE AND SURFACE WATER PLANS
REGULATION 5(2)(o)
SHEET 8 OF 8

SUITABILITY

SUITABLE FOR INFORMATION

SHEET SIZE	SCALE	STATUS	REVISION
A1	1:1250	S2	P01

DRAWING NUMBER

HE551490-GTY-HDG-000-DR-CD-30040