

Appendix D

Approved Site-Wide and Bailey Road Extension Surface Water Strategy



NOTES

1. DRAWING BASED ON BDB DESIGN MASTERPLAN DRG. No. 2153A-160.

2. AREA OF STATIC WATER/BASE OF TANKS IS 53184m².

KEY

NOTIONAL CORE AREA OF GREAT CRESTED NEWTS

CATCHMENT AREAS

G.C. NEWT PONDS

SWALE

1 IN 100 yr PLUS CLIMATE CHANGE FLOOD EXTENT

PERMANENTLY WET POND

GRASSED ATTENUATION BASIN

SUB-SURFACE TANK

POND REF	FLOOD STORAGE VOLUME	STORAGE DEPTH	COMMENTS
R18	400m3	0.8m	
R19	611 m3	1.0m	
R22A	300m3.	0.2m	Existing moat - assuming 200mm mightbe available as on-line attenuation. Subject to survey
R22B, C and D	Combined 3150m3	Varying depths	Includes limited pitch flooding
R23A	1600m3	1.5m	
R23B	800m3	1.5m	
R23C	700m3	1.5m	
R24A	200m3	0.2m	
R24B	1500m3	1m	
R24C	1250m3	1.5m	
R25A	1200m3	1m	
R25B	1200m3	0.8m	
R25C	300m3	1m	
R27	1200m3	1.5m	
R52A	260m3	0.3m	
R52B	120m3	0.5m	
R52C	1000m3	1.5m	

All volumes subject to detail design.

STORAGE DEPTHS ARE THAT REQUIRED FOR THE ATTENUATION OF A 1 IN 100 YEAR RAINFALL EVENT ALLOWING FOR +20% CLIMATE CHANGE AND AN APPROPRIATE INCREASE FOR URBAN CREEP. STATIC WATER DEPTHS NOT INCLUDED WHICH WILL VARY UP TO A MAXIMUM OF 2m.

I	TABLE ADDED	23.01.20	JHW	IJF	
H	PONDS RENUMBERED	22.01.20	JHW	IJF	
G	DRAWING TITLE AMENDED	10.12.19	JHW	IJF	
F	CATCHMENTS ADJUSTED TO SUIT RUSPAR ROAD AND MEAT FARM REQUIREMENTS	29.11.19	JHW	IJF	
E	REDRAWN TO SUIT NEW MASTERPLAN 2153A-160	21.06.19	SF	IJF	
D	REDRAWN TO SUIT NEW MASTERPLAN 2153-150Q	26.05.16	JW	IJF	
C	REDRAWN TO SUIT NEW MASTERPLAN 2153-150N	03.02.16	JW	IJF	
B	REDRAWN TO SUIT NEW MASTERPLAN 2153-150	02.06.15	JW	IJF	
A	REDRAWN TO SUIT COMMENTS AND 2153-59B	24.03.15	JW	IJF	
Mark	Revision	Date	Drawn	Chkd	Appd

SCALING NOTE: Do not scale this drawing - any errors or omissions shall be reported to Stantec without delay.
UTILITIES NOTE: The position of any existing public or private sewers, utility services, plant or apparatus shown on this drawing is believed to be correct, but no warranty to this is expressed or implied. Other such plant or apparatus may also be present but not shown. The Contractor is therefore advised to undertake their own investigation where the presence of any existing sewers, services, plant or apparatus may affect their operations.

Drawing Issue Status

FOR PLANNING

LAND NORTH OF HORSHAM
PLANNING APPLICATION
SUDS FEATURES AND CATCHMENTS
SHEET 2 OF 3

Client

Legal & General

STRATEGIC LAND NORTH HORSHAM LTD

Stantec

stantec.com/uk

Date of 1st Issue
24.03.15

Designed

Drawn
JW

A1 Scale
1:2500

Checked
IJF

Approved

Drawing Number
25216/2007/SK02

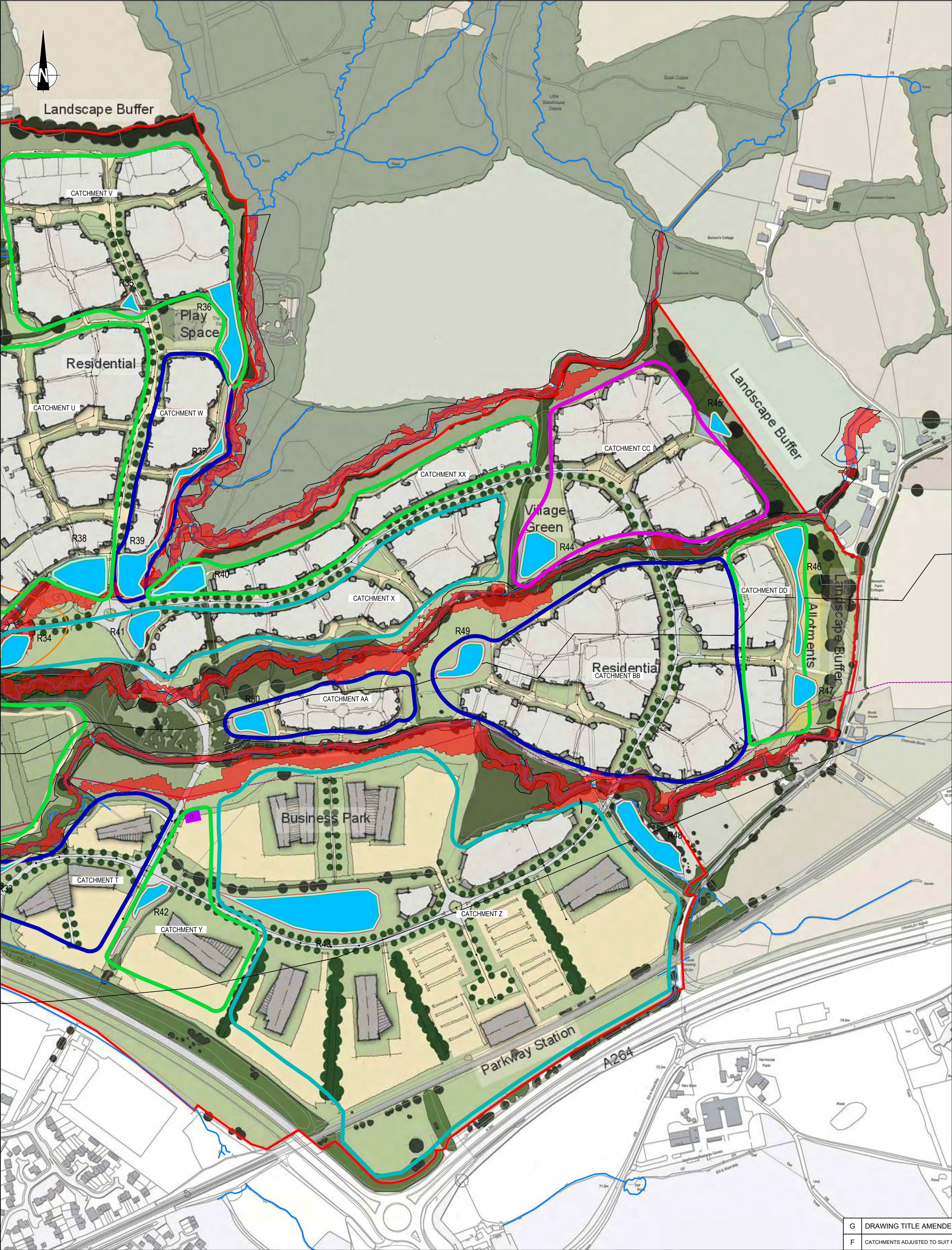
Revision
I

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KEY

1 IN 100 YEAR PLUS CLIMATE CHANGE FLOOD EXTENT

NOTIONAL CORE AREA OF GREAT CRESTED NEWTS

PROPOSED POND

CATCHMENT AREAS

G.C. NEWT PONDS

SWALE

SUB-SURFACE TANK

G	DRAWING TITLE AMENDED	JHW	10.12.19	IJF
F	CATCHMENTS ADJUSTED TO SUIT RUSPAR ROAD AND MEAT FARM REQUIREMENTS	JHW	29.11.19	IJF
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A	REDRAWN TO SUIT COMMENTS AND 2153-59B	JW	24.03.15	IJF
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LAND NORTH OF HORSHAM
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SHEET 3 OF 3

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Date of 1st Issue

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pba

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