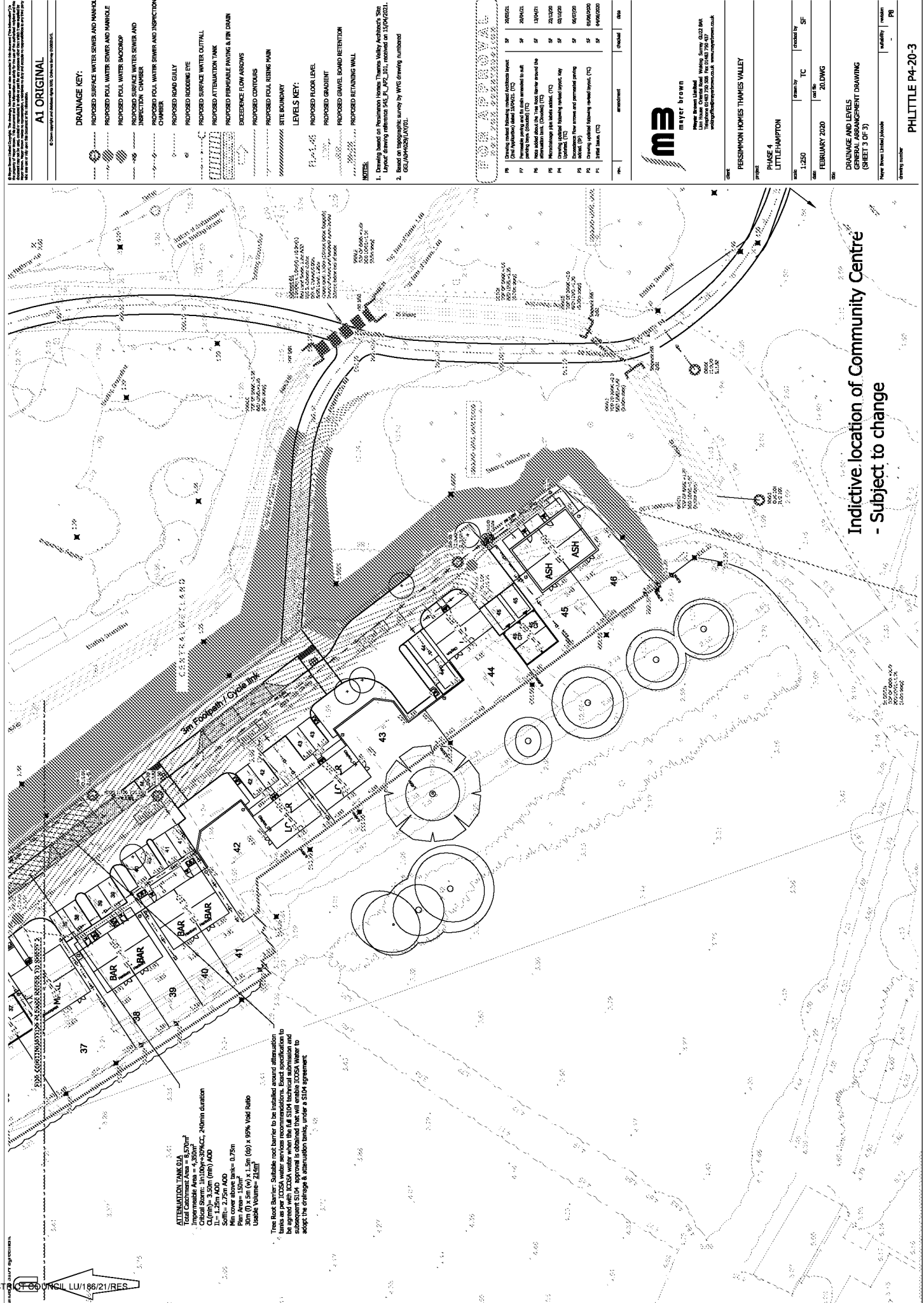




Indictive location of Community Centre
- Subject to change

AI ORIGINAL

DRAINAGE KEY:

- PROPOSED SURFACE WATER SEWER AND MANHOLE
- PROPOSED FOLL WATER SEWER AND MANHOLE
- PROPOSED FOLL WATER BACKSTOP
- PROPOSED SURFACE WATER SEWER AND INSPECTION CHAMBER
- PROPOSED FOLL WATER SEWER AND INSPECTION CHAMBER
- PROPOSED ROAD GULLY
- PROPOSED RIDDING EYE
- PROPOSED SURFACE WATER OUTFALL
- PROPOSED ATTENUATION TANK
- PROPOSED PERMEABLE PAVING & PIN DRAIN
- EXISTENCE FLOW ARROWS
- PROPOSED CONTIGUOUS
- PROPOSED FOLL RISING MAIN
- PROPOSED SITE BOUNDARY

LEVELS KEY:

- PROPOSED FLOOR LEVEL
- PROPOSED GRADIENT
- PROPOSED GRAVEL BOARD RETENTION
- PROPOSED RETAINING WALL

NOTES:
1. Drawing based on Peersimon Homes Thames Valley Architects 'Site Layout' drawing reference 546_PLA_001, received on 15/04/2021.
2. Based on topographic survey by MVE drawing number 062/AMH001/ANTEL.

NO.	DESCRIPTION	UNIT	QUANTITY
1	Drainage system (including surface water, foul water, and inspection chambers)	SF	200000
2	Proposed floor level	SF	200000
3	Proposed gradient	SF	200000
4	Proposed gravel board retention	SF	200000
5	Proposed retaining wall	SF	200000



meyer brown
Peersimon Homes Limited
Unit 1000, Oxford Road, Oxford, Oxford OX2 0BA
www.meyerbrown.co.uk

PEERSIMON HOMES THAMES VALLEY

PHASE 4
LITTLEHAMPTON

DATE: 1.2.20
DRAWN BY: TC
CHECKED BY: SF

DATE: FEBRUARY 2020
DRAWING: 20.DWG

DATE: 1.2.20
DRAWING: 20.DWG

DATE: 1.2.20
DRAWING: 20.DWG

DATE: 1.2.20
DRAWING: 20.DWG

DATE: 1.2.20
DRAWING: 20.DWG

APPENDIX E: C1 & C2_Phase 2 & Phase 4 Interface

APPENDIX F: C1 & C2_JCOSA Water S104 Technical Approval

TECHNICAL APPROVAL CERTIFICATE REV A



Technical Approval is hereby granted for 18-025 Toddington Lane, North Littlehampton in response to the application for a S104 Adoption under the Water Industry Act 1991.

Conditions to this technical approval are subject to the following:

- A pre-start site meeting should be held with Icosa Water and/or its appointed representative prior to construction or as soon as possible after approval is given if construction has already commenced.
- Any variations to layout or materials should be requested from Icosa Water and should only be constructed when confirmed in writing.
- Icosa Water reserve the right to withdraw or amend this technical approval should circumstances on site require it.

<i>Site details</i>	Toddington Lane, Littlehampton
<i>Developer</i>	Persimmon Homes
<i>Designer</i>	Mayer Brown
<i>Icosa Water Consultant</i>	David Antill
<i>Reviewed by</i>	David Antill
<i>Approval date</i>	27/09/19
<i>Signed (Icosa Water Consultant)</i>	
<i>Name</i>	David Antill
<i>Signed (Icosa Water)</i>	
<i>Name</i>	David Palmer

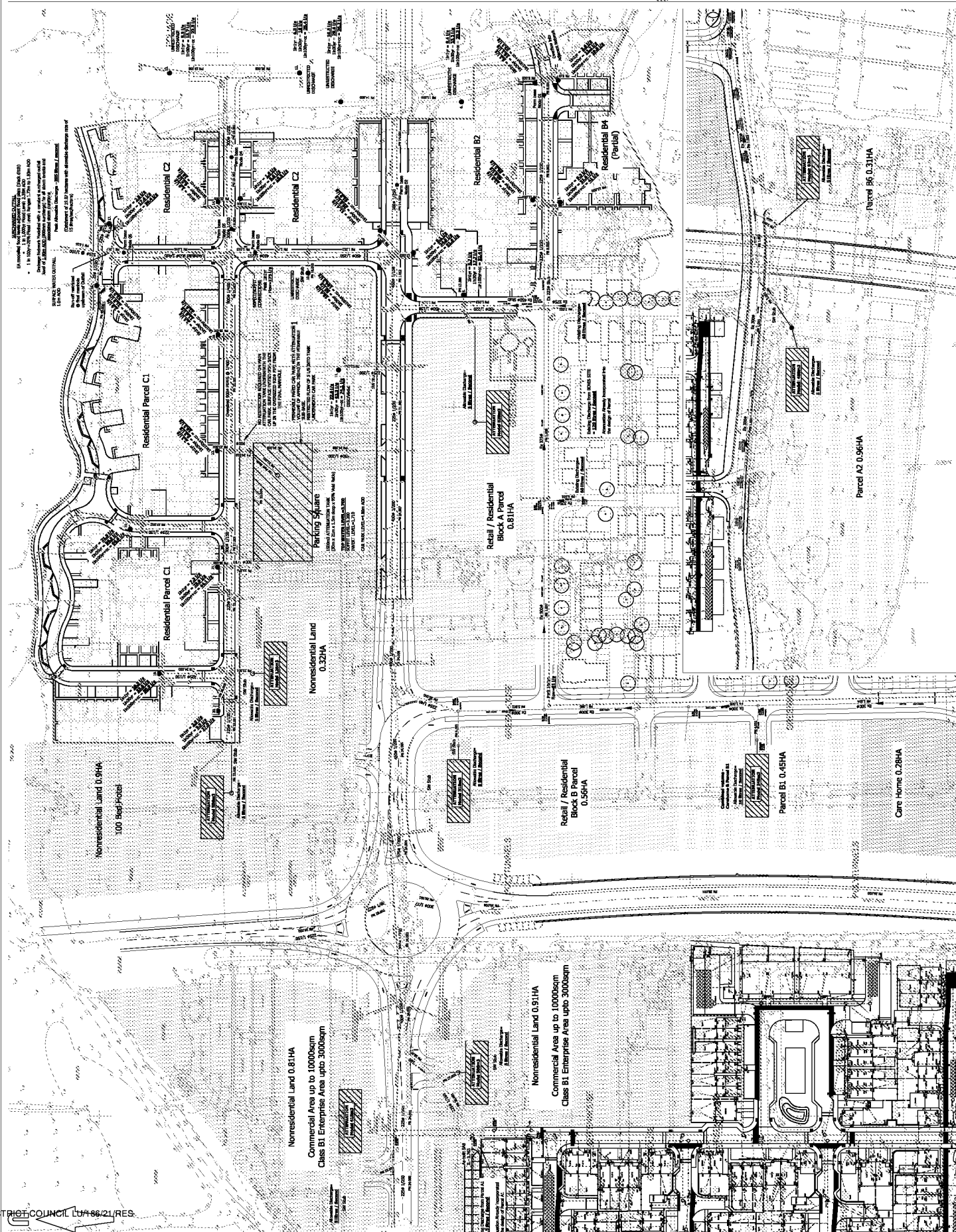
If you have any queries, please call 

Icosa Water Ltd
Sophia House
28 Cathedral Road
Cardiff
CF11 9LJ



Project Reference	18-025	
Project Name	Toddington Lane, North Littlehampton	
List of Issued Drawings		
Drawing Number/Reference	Drawing Title	Rev
Aqua Swirl (SDS Systems)	SDS Aqua-Swirl - 1800 Ø - AS-6	-
MicroDrainage Calcs	Foul Sewerage Design	01/03/2019
MicroDrainage Calcs	Proposed Storm Water Network 1in1yr	01/03/2019
MicroDrainage Calcs	Proposed Storm Water Network 1in30yr	01/03/2019
MicroDrainage Calcs	Proposed Storm Water Network 1in100yr+cc	01/03/2019
PHLITTLE-INT/MHS/FW/104	Foul Water Manhole Schedule	A1
PHLITTLE-INT/MHS/SW/104	Surface Water Manhole Schedule	A3
A/PHLITTLE-INT.10/S104-10-1	Section 104 Drainage General Arrangement Surface and Foul Water – Sheet 1 of 4 (Overview)	P3
A/PHLITTLE-INT.10/S104-10-2	Section 104 Drainage General Arrangement Surface and Foul Water – Sheet 2 of 4	P1
A/PHLITTLE-INT.10/S104-10-3	Section 104 Drainage General Arrangement Surface and Foul Water – Sheet 3 of 4	P3
A/PHLITTLE-INT.10/S104-10-4	Section 104 Drainage General Arrangement Surface and Foul Water – Sheet 4 of 4	P4
A/PHLITTLE-INT.10/S104-20-1	Section 104 Drainage Surface and Foul Water Long Sections – Sheet 1 of 2	P4
A/PHLITTLE-INT.10/S104-20-2	Section 104 Drainage Surface and Foul Water Long Sections – Sheet 2 of 2	P1
A/PHLITTLE-INT.10/S104-50-1	Section 104 Drainage Surface and Foul Water Location Plan	P1
S104-MB-01	Section 104 Drainage Construction Details	P1
S104-MB-02	Section 104 Drainage Construction Details – Attenuation Tank 1	P3
E198619_01_-	Attenuation Tank 1 Detail	B

APPENDIX G: C1 & C2_Drainage Strategy West of Wetlands



PROPOSED PHASE 4 CATCHMENTS 01 & 02 DRAINING INTO EXISTING PHASE 2



Land North of Toddington Lane, Drainage Strategy, West of Wetlands

Parcels B2, B4 Partial, C1, C2 & C4

Sub Catchment Locations	Windes Pipe Number	Critical Storm (1in100yr event)	Peaks Discharge Rates Litres / Sec (Critical Storm)			Flood volume for 1in100yr+CC
			1in1yr	1in30yr	1in100yr +CC	
1	8,000	15min	3.6	11.2	19.8	0.45
2	9,000	15min	5.1	16.1	33.1	0
3	10,001	15min	9.3	31.6	41	16.8
4	11,000	15min	12.5	40.6	56.5	5.1
5	13,000	30min	5.7	17.7	32.4	0
6	15,000	15min	8.4	23.2	23.3	12.4
7	14,000	15min	10.5	28.6	26.2	16.5
8	16,000	15min	11.4	35.8	61.9	0.435
9	17,000	30min	9.1	24.9	51.5	0.68
10	18,000	15min	18.4	55	104.3	0
11	31,000	15min	22.6	62.3	74.1	23.5
12	20,000	15min	6.3	18	25.4	5.5
13	19,000	15min	5.3	15.7	22.3	3.5
14	22,000	240min	1.9	6.5	18	0
15	21,000	240min	1.6	5.6	15.5	0
16	39,000	240min	2.1	11.8	22.6	0
17	41,000	240min	2.5	17.6	30.4	0
18	40,001	240min	2.9	21.8	32.3	0
19	34,000	15min	10.3	33.8	55.9	0
20	36,000	15min	2.9	9.5	17.5	0
21	38,000	15min	7.3	23.9	44.1	0
22	37,002	15min	21.5	56.5	66.6	0
23	23,000	240min	2.1	5.3	10.3	0

APPENDIX H: C1 & C2_Phase 2 DOC Condition 10 Decision Notice



Arun District Council
Arun Civic Centre
Maltravers Road
Littlehampton
West Sussex BN17 5LF
Planning General Enquiries
Tel: (01903) 737756 Fax: (01903) 730442
Dx: 57406 Littlehampton
Minicom: 01903 732765
e-mail: planning@arun.gov.uk
website: www.arun.gov.uk/planning

Mr Robert Clark
Persimmon Homes Thames Valley
Persimmon House
Knoll Road
Camberley
GU15 3TQ

Your Ref: LU/17/19/DOC

Please ask for:

Michael Eastham

04 February 2019

Dear Persimmon Homes Thames Valley

Town & Country Planning Act 1990 (as amended)
Town and Country Planning (Development Management Procedure) (England) Order 2015
Approval of details reserved by condition imposed under LU/47/11/ relating to condition 10-surface water drainage.
Land North of Toddington Lane Littlehampton,,

Notification regarding the above application:

Condition Number 10

No development shall begin until a fully detailed surface water drainage scheme for that phase of the development, based on sustainable drainage principles and designed in accordance with the SUDS strategy for the whole development, has been submitted to and approved in writing by the Local Planning Authority. It should be demonstrated how each detailed scheme will contribute to delivering, and link into, the surface water drainage strategy for the site as a whole.

- *The SUDS shall be designed to attenuate the 1 in 100 year storm event (plus climate change allowance of 30% in accordance with DEFRA's National Standards for Sustainable Drainage Systems).*
- *No infiltration of surface water drainage shall occur within ground affected by contamination unless suitable remediation is undertaken.*
- *Each detailed scheme should include a timetable for its implementation; and provide a management and maintenance plan in the form of a site specific Maintenance Manual for the SUDS system for the lifetime of the development. This shall include the arrangements for adoption by any public authority or statutory undertaker or details of the financial management of the scheme throughout its lifetime.*

Elements of the scheme serving any particular phase shall subsequently be implemented in accordance with the approved details (unless otherwise agreed with the Local Planning Authority) prior to the occupation of any dwellings in that phase and no building in that phase of the development shall be occupied until the surface water drainage scheme has been fully implemented in accordance with the approved details.

Reason: To ensure that the proposed development is satisfactorily drained to prevent the increased risk of flooding, and improve and protect water quality, habitat and amenity, and ensure future maintenance of these in accordance with national guidance and policies GEN7, GEN9 of the Arun District Local Plan.

Decision:
docdeci

Arun District Council have decided to **APPROVE IN PART details reserved by condition**

The following information submitted regarding Condition 10 imposed on planning permission LU/47/11: relating to the submission of a fully detailed surface water drainage scheme for Parcel C1 and parts of Parcels B2, B4; and C2 (LU/121/17/RES) and constitutes Phase 2 of Persimmon Homes development at the North Littlehampton Strategic Development Area (SDA), based on sustainable drainage principles and designed in accordance with the SuDS strategy for the whole development at North Littlehampton Strategic Development Area (SDA) is approved and the condition is hereby part discharged.

- Persimmon Homes Thames Valley - Land North of Toddington Lane, Littlehampton - Drainage Strategy, West of Wetlands (Discharge of Condition 10), January 2019, prepared by Mayer Brown Limited (Project Code: A/PHDRAIN.10).

Please do not hesitate to contact the above officer if you require any further assistance.

Yours sincerely

A handwritten signature in black ink, appearing to read 'NC', with a small dot below it.

Neil Crowther
Group Head of Planning