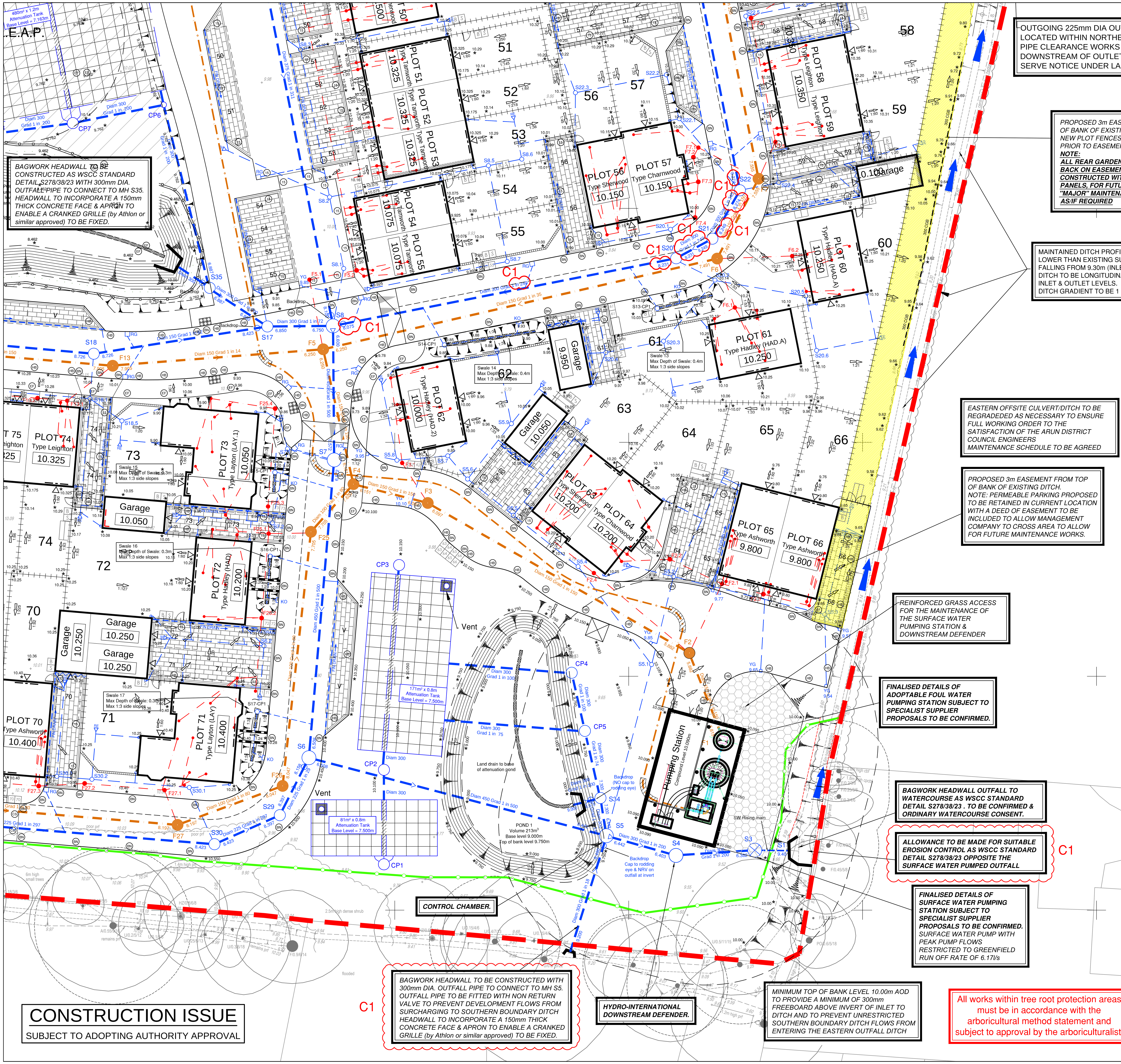

CONSTRUCTION ISSUE
SUBJECT TO ADOPTING AUTHORITY APPROVAL

NOTES

1. FW & SW house drainage is to be constructed in accordance with the Building Regulations & BS8301 & the WF for Adoption 6th Edition & Interim Addendum.
2. Drains are to be constructed using flexibly jointed vitrified clay pipes to BS EN 295-1991 "Super Strength" specification (e.g. Hepworth Supersleve or similar) or uPVC drainage pipework to BS4660 & BS2494, bedded & backfilled in accordance with manufacturers instructions.
3. Location of sewers & lateral drains to be in accordance with the WRC Guide Sewers for Adoption 6th Edition & Interim Addendum and specific requirements of Southern Water.
4. Backfilling of drain trenches adjacent to dwelling or other structure to be in accordance with BS8301-Fig. 9.
5. Access fittings & inspection chambers as table below:-

TYPE	DEPTH RANGE	DESCRIPTION
3	0.6m to 3.0m	450mm diameter Flexible or Rigid access chamber (Non Entry) in areas subject to vehicle loading
4	0.6m to 3.0m	450mm diameter Flexible / Rigid access chamber (Non Entry) in areas subject to light vehicle loading
5	0.6m to 1.0m	450mm diameter Flexible / Rigid access chamber (Non Entry)
6	0.6m to 1.0m	190mm diameter Flexible / Rigid access chamber (Non Entry)
7	0.6m to 2.0m	190 or 225x100mm diameter Flexible access chamber (Non Entry)
8	0.0m to 0.6m	190 or 225x100mm diameter Flexible access chamber (Non Entry)
RE		Rodding point at head of drain

6. As an alternative to the construction of domestic drainage chambers deeper than 1.0m, the "Osma Non - entry Inspection Chamber", 500mm dia. polypropylene chamber to a maximum depth of 3.0m may be used subject to the approval of the local building inspector or the NHBC inspector.
7. Cover levels indicated on the Drainage Schedules are nominal & may be adjusted to suit finished ground levels as necessary.
8. Generally inspection chamber covers should be Grade D400 in trafficked areas Grade B125 in parking areas and occasional traffic and A15 in pedestrian only areas.
9. Rainwater downpipes to be connected direct to drain using an appropriate adaptor & removable section of downpipe to permit rodding access.
10. The positions of SVP's, stub stacks, WC outlets, Back inlet gullies etc. & rainwater downpipes are to be accurately located from the house type working drawings.
11. Generally FW drains are to be laid to falls of 1 in 40, SW drains are to be laid to falls of 1 in 60, both in 100mm diameter pipes. SW pipes are to be 150mm diameter when serving 2 dwellings or more. FW pipes are to be 150mm diameter when serving 10 dwellings or more unless stated otherwise, or where a schedule is provided.
12. Gullies situated in areas accessible to wheeled vehicles to be of suitable construction for trafficked areas.
13. Where land drain is identified on the Architect's details, connect into nearest SW system.
14. This drawing should be read in conjunction with the Architect's and Structural Engineer's design drawings and specification.
15. Site layout based on Carlton Design Partnership Site Layout, drawing number 160/04/SL Revision T, dated November 2016.
16. Topographic Survey as per Siteline Site Survey, drawing number 36WZ001A, dated February 2016.
17. Architectural Blocks based on Carlton Design Partnership Sub-Floor Plans, drawing numbers 1608/SUB/01 to 11, dated November 2016
18. This drawing should be read in conjunction with Foul Water Sewer Longitudinal Sections (BSO/E4462/211 & 212), Surface Water Sewer Longitudinal Sections (BSO/E4462/221 & 222), S104 Adoption Layout (BSO/E4462/401), FW & SW Manhole Schedules & S104 Construction Details (BSO/E4462/411 to 414), other Domestic Drainage Layouts, Domestic Drainage Construction Details (BSO/E4462/461 & 462), Surface Water Attenuation Details (BSO/E4462/463, 464, 470 & 471) and Control Chamber Construction Details (BSO/E4462/465 & 466).
19. Where backdrop is less than 1.0m for domestic drainage, backdrop to be accommodated with internal benching.
20. ***ANY VARIANCE OR DISCREPANCY MUST BE REPORTED BACK TO RCP ENGINEERING BEFORE WORK BEGINS.***

KEY

Site Boundary
(Based on Carlton Design Partnership Site Layout, drawing number 160/04/SL Revision V dated March 2017)
Finished Floor Level & Garage Finished Floor Level — 10.000
Private Surface Water Sewers — Hydrobrake, S1
Private Surface Water Rising Main
Adoptable Foul Water Sewers — F1, Backdrop
Adoptable Foul Water Rising Main
Private Surface Water Domestic Drainage — S1.1
Private Foul Water Domestic Drainage — S1.1
House connection via 300mm dia. shallow access chamber not more than 600mm deep
Rodding Eye — RE
Road Gully and Connection — RG
Kerb Outlet Gully and Connection to swale drainage — KO
Yard Gully and Connection — YG 10.00
'Aco' Channel or similar
Threshold drain
Permeable Paving
Fin Drain — FIN DRAIN
Cellular Storage
Root Protection Areas
(Refer to ACD Tree Reference Plan Drawing Number BDWS20440-03 received in .dwg format 22/11/2016 for details)
Tree Protection Fencing
(Refer to ACD Tree Reference Plan Drawing Number BDWS20440-03 received in .dwg format 22/11/2016 for details)
Extents of "No Dig" Road & Footway Construction.
Subject to Approval from Arboriculturist. C1
Extents of 20-40mm No Fines Stone to BS EN 13242 Fill Material over "No Dig" Areas.
Subject to Approval from Arboriculturist.
Knee Rail - *Subject to External Works*
Indicative low level landscaping - *Subject to Landscaping Information*

CDM NOTES

1. EXISTING SERVICES. Depth of existing services must be determined prior to works commencing. The contractor is responsible for establishing underground services in accordance with HSE Guidance note HS (G) 47. Any services which would be within the proposed construction layers must be lowered to below the sub-base.

0m 2m 4m 8m 12m 16m 20m
SCALE BAR 1:200 at A1

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DOMESTIC FOUL WATER MANHOLE SCHEDULE

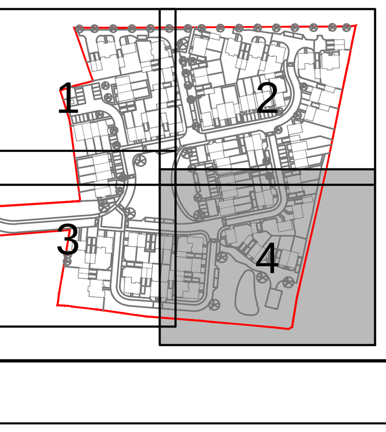
M/H No.	COVER LEVEL	INVERT LEVEL	M/H TYPE
F2.1	9.70	8.90	5
F2.2	9.93	9.13	3
F2.3	9.75	9.05	5
F2.4	10.05	9.00	4
F3.1	10.05	8.85	4
F4.1	10.00	8.62	4
F5.1	9.85	7.41	3
F5.2	9.99	8.44	4
F6.1	10.15	9.25	5
F6.2	10.24	9.34	5
F7.1	10.20	9.05	4
F7.2	10.18	9.13	4
F7.3	10.05	9.20	5
F7.4	10.15	9.30	5
F7.5	10.22	8.70	4
F13.1	10.18	8.98	4
F13.2	10.30	9.40	7
F25.1	10.14	8.84	4
F25.2	10.10	8.89	4
F27.1	10.35	9.00	4
F27.2	10.32	9.42	5
F27.3	10.30	9.50	5

DOMESTIC SURFACE WATER MANHOLE SCHEDULE

M/H No.	COVER LEVEL	INVERT LEVEL	M/H TYPE
S5.1	9.50	8.44	4
S5.2	9.88	8.54	3
S5.3	9.63	8.71	3
S5.4	10.09	8.96	4
S5.5	10.15	9.05	3
S5.6	10.15	9.11	4
S5.7	9.90	9.14	5
S5.8	10.10	9.20	5
S5.9	10.05	9.25	6
S6.1	10.30	9.12	4
S6.2	10.16	9.24	3
S7.1	9.97	8.87	4
S7.2	9.96	9.05	3
S8.1	9.95	8.74	3
S8.2	10.04	8.82	3
S8.3	10.27	9.12	4
S8.5	10.13	9.00	4
S8.6	10.05	9.06	5
S8.7	9.93	9.23	5
S18.1	10.21	9.12	3
S18.5	10.15	9.28	5
S20.1	10.10	8.63	4
S20.2	10.10	8.96	4
S20.3	10.11	9.07	4
S20.4	9.98	9.18	3
S20.5	10.10	9.18	6
S20.6	10.10	9.28	5
S22.1	10.20	9.00	4
S22.2	10.38	9.25	4
S22.3	10.10	9.35	5
S22.4	10.22	8.92	4
S30.1	10.30	9.16	4
S30.2	10.28	9.26	4
S30.3	10.27	9.30	3

COLL HOUSE

1:200 KEYPLAN



Rev.	Date	Details	By	Chkd	Appd
C1	27.07.17	MH S23 to S8 gradient revised. Annotation revised.	VI	SLW	TS
		Issued for Construction.			
F	12.07.17	Finished levels around pumping station, ponds, ditches &			
		attenuation tanks updated. Catchpits renumbered.			
		Outfall ditch clarification notes added			
		Pipe sizes increased around attenuation & ponds	SLW	IDC	TS
E	02.06.17	Additional clarification notes to surface water outfall drainage.	SLW	KJ	TS
		Reinforced grass access to surface water pumping station			
		Knee rail & indicative landscaping shown to Pond 2			
D	08.03.17	Personnel Doors removed from garages as per CDP's dwgs.	KJ	SLW	TS

Client:-
DAVID WILSON HOMES
WHERE QUALITY LIVES

Site:- Hook Lane, Westergate, West Sussex

Drawing Title:- DOMESTIC DRAINAGE LAYOUT

SHEET 4 OF 4

Date: January 2017 | Scales: 1:200 at A1
Drawn: AC | Checked: TRS | Approved: TRS

Drawing No. BSO/E4462/454 C1

FOR CONSTRUCTION

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ARUN DISTRICT COUNCIL AL/67/17/DOC