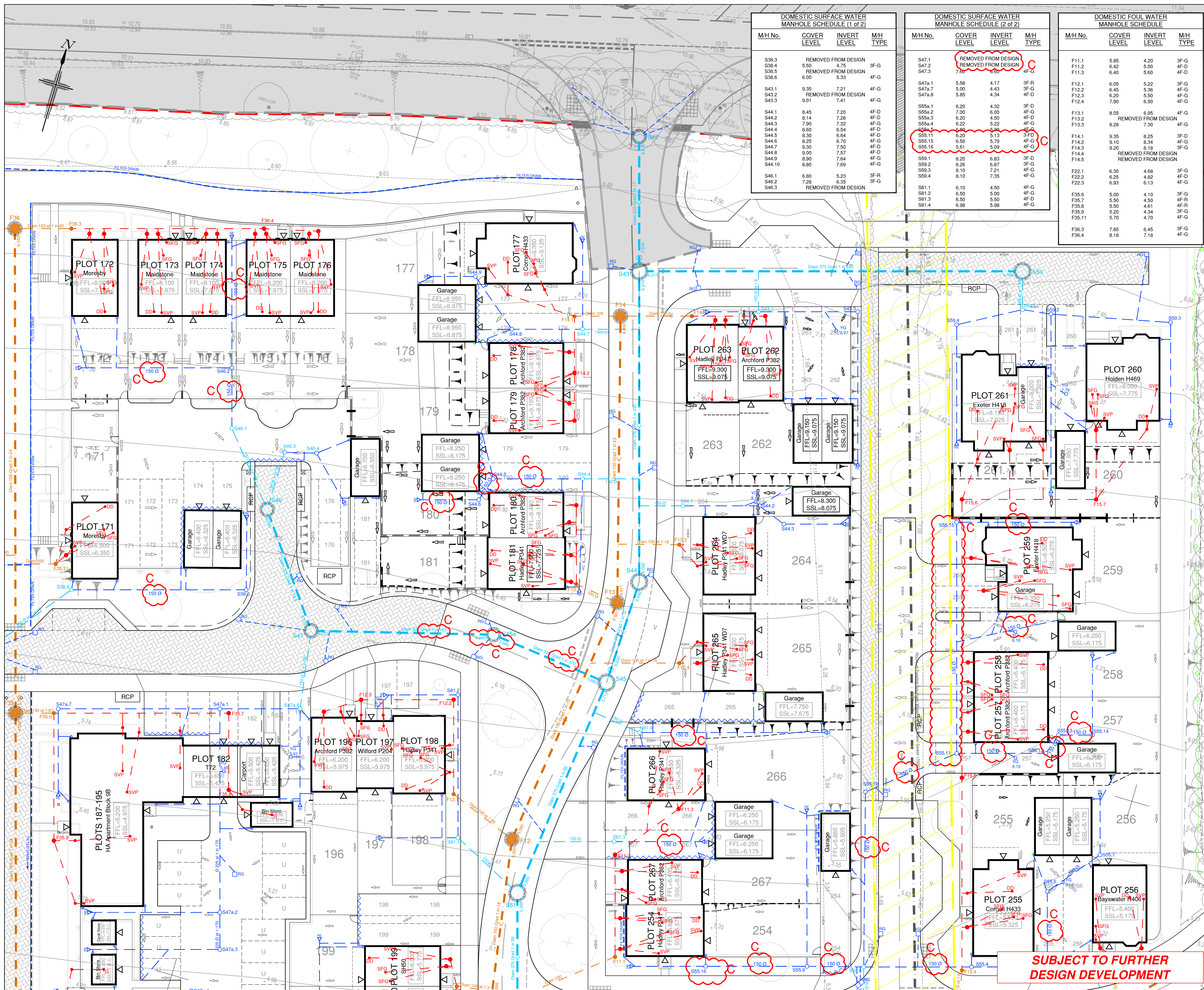




DOMESTIC SURFACE WATER MANHOLE SCHEDULE (1 of 2)			
M/H No.	COVER LEVEL	INVERT LEVEL	M/H TYPE
S38.3	REMOVED FROM DESIGN		3F-G
S38.4	5.50	4.75	3F-G
S38.5	REMOVED FROM DESIGN		4F-G
S38.6	6.00	5.33	4F-G
S43.1	9.35	7.21	4F-G
S43.2	REMOVED FROM DESIGN		4F-G
S43.3	9.01	7.41	4F-G
S44.1	8.45	7.20	4F-D
S44.2	8.14	7.28	4F-D
S44.3	7.90	7.32	4F-G
S44.4	8.60	6.54	4F-D
S44.5	8.30	6.64	4F-D
S44.6	8.25	6.70	4F-G
S44.7	9.30	7.50	4F-D
S44.8	9.00	7.57	4F-D
S44.9	8.90	7.64	4F-G
S44.10	8.80	7.69	4F-G
S46.1	6.80	5.23	3F-R
S46.2	7.28	6.35	3F-G
S46.3	REMOVED FROM DESIGN		3F-G

DOMESTIC SURFACE WATER MANHOLE SCHEDULE (2 of 2)			
M/H No.	COVER LEVEL	INVERT LEVEL	M/H TYPE
S47.1	REMOVED FROM DESIGN		4F-G
S47.2	REMOVED FROM DESIGN		4F-G
S47.3	7.80	6.60	4F-G
S47a.1	5.58	4.17	3F-R
S47a.7	5.00	4.43	3F-G
S47a.8	5.85	4.34	4F-D
S55a.1	6.20	4.32	3F-D
S55a.2	7.00	6.00	4F-G
S55a.3	6.20	4.50	4F-D
S55a.4	6.22	5.22	4F-G
S55.1	6.20	5.15	3F-D
S55.15	6.50	5.79	4F-G
S55.16	5.61	5.09	4F-G
S59.1	8.20	6.83	3F-D
S59.2	8.26	6.87	3F-G
S59.3	8.10	7.21	4F-G
S59.4	8.10	7.35	4F-G
S81.1	6.10	4.50	4F-G
S81.2	6.50	5.00	4F-G
S81.3	5.50	4.61	4F-D
S81.4	6.98	5.98	4F-G

DOMESTIC FOUL WATER MANHOLE SCHEDULE			
M/H No.	COVER LEVEL	INVERT LEVEL	M/H TYPE
F11.1	5.85	4.20	3F-G
F11.2	6.42	5.00	4F-D
F11.3	6.40	5.60	4F-G
F12.1	6.05	5.22	3F-G
F12.2	6.45	5.36	4F-G
F12.3	6.20	5.50	4F-G
F12.4	7.90	6.90	4F-G
F13.1	8.05	6.95	4F-G
F13.2	REMOVED FROM DESIGN		4F-G
F13.3	8.28	7.30	3F-G
F14.1	9.35	8.25	3F-G
F14.2	9.10	8.34	4F-G
F14.3	9.20	8.18	3F-G
F14.4	REMOVED FROM DESIGN		3F-G
F14.5	REMOVED FROM DESIGN		3F-G
F22.1	6.30	4.68	3F-G
F22.2	6.25	4.82	4F-D
F22.3	5.93	6.13	4F-G
F35.6	6.00	4.10	3F-G
F35.7	5.50	4.50	4F-R
F35.8	5.50	4.61	4F-R
F35.9	5.20	4.34	3F-G
F35.11	5.70	4.70	4F-G
F36.3	7.85	6.45	3F-G
F36.4	8.18	7.18	4F-G

NOTES

- All dimensions are in metres unless stated otherwise.
- Do not scale from this drawing. Only written dimensions are to be used.
- F.W. SW house drainage is to be constructed in accordance with the Building Regulations & BS8301 & the WRc Guide Sewers for Adoption 7th Edition.
- Drains are to be constructed using factory jointed vitrified clay pipes to BS EN 205-1991 'Super Strength' specification (e.g. Hesporth Superstrength or similar) or uPVC drainage pipework to BS4592 & BS334, bedded & backfilled in accordance with manufacturers instructions.
- Location of sewers & lateral drains to be in accordance with the WRc Guide Sewers for Adoption 6th Edition and specific requirements of local water.
- Backfilling of drain trenches adjacent to dwelling or other structure to be in accordance with BS8301, Fig. 9.
- Cover levels indicated on the Drainage Schedules are nominal & may be adjusted to suit finished ground levels as necessary.
- 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.
- Rainwater downpipes to be connected direct to drain using an appropriate adaptor & removable section of downpipe to permit house type working drawings.
- The positions of SVPs, sub stacks, WC outlets, Back inlet gutters etc. & rainwater downpipes are to be accurately located from the house type working drawings.
- Generally F.W. 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 2 RWP connections. F.W. pipes are to be 150mm diameter when serving 10 dwellings or more unless stated otherwise, or where a schedule is provided.
- 100mm SW Drains are to be laid to a minimum fall of 1 in 80 and 150mm SW Drains are to be laid to a minimum fall of 1 in 150.
- Culvert situated in areas accessible to wheeled vehicles to be of suitable construction for trafficked areas.
- Where land drain is identified on the Architects' details, connect into nearest SW system.
- Where catchpits have been shown in rear gardens connecting to land drains, 600mm PPC catchpit to be used.
- This drawing should be read in conjunction with the Architects' and Structural Engineer's design drawings and specification.
- Site layout shown in this drawing is based on ID Partnership Proposed Site Layout Plan, drawing number P1-04 revision G, issued to RCP in .dwg format on 08/01/2019.
- Architectural blocks based on RCP Block Foundation Layout, drawing number 4519/AFFOUND/01 to 31 dated December 2018. Substations based on RCP Standard Substation Enclosures, drawing number MP331644 revision A, as provided by Client on 10/01/2019.
- Topographical Survey as per Site Survey, drawing number 36FA01, dated August 2016.
- Background landscaping proposals based on F&C drawing number D0434, issued to RCP in .dwg format on 08/01/2019.
- Drainage General Arrangements and Details (BSO-E4519/411 & 412), Foul Water Sewer Manhole Schedules (BSO-E4519/413 & 414), Surface Water Manhole Schedules (BSO-E4519/415 to 417), other Drainage General Arrangements and Details (BSO-E4519/417 & 418).
- Where backdrops is less than 1.0m for domestic drainage, backdrop to be accommodated with internal benching.
- ANY VARIANCE OR DISCREPANCY MUST BE REPORTED BACK TO RCP ENGINEERING BEFORE WORK BEGINS.**

KEY

Site Boundary

Section S276 Works by Others (Refer to Paul Basham Associates Design Drawings for Details)

F.F.L. = Plot/Garage Finished Floor Level
S.S.L. = Plot/Garage Substation Level

Existing Southern Water Foul & Surface Water Sewers

Adoptable Surface Water Sewers

Adoptable Foul Water Sewers

Adoptable Foul Water Rising Main

Concrete Bagwork / PCC Headwalls

Road Gully and 1500 Connection

Private Surface Water Domestic Drainage

Private Foul Water Domestic Drainage

House connection via 300mm dia. shallow access chamber not more than 600mm deep (Based on floor make-up of 70mm screed, 150mm insulation & 150mm Dimple Block Floor).

In the event that conditions on-site result in maximum depth of 600mm being exceeded, then Type 4-F chambers to be used.

Internal Fault Connections

Soil Vent Type

Direct Drain (W/B, W/C, W/C, W/M)

Sealed Floor Gully

Gully

Rising Eye

(Refer to Vehicular Raising Eye construction details for RE Located in Parking Bays)

'Aard' Channel or similar

Yard Gully and Connection

Roof Protection Areas

(Based on Barratt Tree Consultancy Tree Protection Plan, drawing number 16270-B7G, issued to RCP in .dwg format on 17/12/2018)

Tree Protection Fencing

(Based on Barratt Tree Consultancy Tree Protection Plan, drawing number 16270-B7G, issued to RCP in .dwg format on 17/12/2018)

Any proposed works within Roof Protection Areas are subject to supervision and approval by the Arboriculturalist.

CDM NOTES

- 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.

SCALE BAR 1:200 at A1

Client: **BARRATT HOMES**

DAVID WILSON HOMES
WHERE QUALITY LIVES

Site: **Harbour Place, Forty Acre Farm, Bedhampton**

Drawing Title: **DRAINAGE GENERAL ARRANGEMENT**

SHEET 7 of 14

Date: February 2019 Scales: 1:200 at A1

Drawn: AC Checked: NW Approved: TRS

Drawing No. **BSO/E4519/457 C**

TENDER ISSUE

SUBJECT TO ADOPTING AUTHORITY APPROVAL

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Architectural and Civil Consultants
The Old School Old School Road
Hook Hampshire RG27 9N

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SUBJECT TO FURTHER DESIGN DEVELOPMENT