

NOTES

1. Site Layout and boundary based on AAP Architecture Proposed Site drawing number "P1549 Layout-ZZZZZE.dwg" format received on 26/10/2020.
2. Topographic Survey as per MK Surveys Topographical Survey, drawing number 25802 provided in October 2018.
3. The current SURFACE water drainage strategy is indicative only and subject to further design development following receipt of the finalized site layout proposals.
4. FW & SW house drainage is to be constructed in accordance with the Building Regulations & BS8301 & the WRC Guide Sewers for Adoption 8th Edition. Drains are to be constructed using flexibly jointed, vitrified clay to BS EN 205-191 "Super Strength" specification (e.g. Hephworth Supersleeve or similar) or uPVC drainage pipework to BS4660 & BS2494, bedded & backfilled in accordance with manufacturers instructions.
5. Location of sewers & lateral drains to be in accordance with the WRC Guide Sewers for Adoption 8th Edition & addendum and specific requirements of ICOSA water.
6. Backfilling of drain trenches adjacent to dwelling or other structure to be in accordance with BS8301-Fig. 9.
7. Access fittings & inspection chambers as table below:-

TYPE	DEPTH	DESCRIPTION	TYPE	DEPTH	DESCRIPTION
3	0.6m to 3.0m	min. 400mm diameter Flexible or rigid access chamber (Non Entry) in areas subject to light vehicle loading	6	0.6m to 1.0m	min. 400mm diameter Flexible / Rigid access chamber (Non Entry)
4	0.6m to 3.0m	min. 400mm diameter Flexible / rigid access chamber (Non Entry) in areas subject to light vehicle loading	7	0.6m to 2.0m	min. 400 to 400mm diameter Flexible access chamber (Non Entry)
5	0.6m to 1.0m	min. 400mm diameter Flexible / rigid access chamber (Non Entry)	8	0.6m to 0.5m	min. 100 to 100mm diameter Flexible access chamber (Non Entry)
LOCATION	CODE	COVER GRADE	RE	Pooling point at head of drain	
Road	D	D			
Driveway	D	R105			
Garden	D	R105			

4. 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.
5. Cover levels indicated on the Drainage Schedules are nominal & may be adjusted to suit finished ground levels as necessary.
6. Generally inspection chamber covers should be Grade D400 in Trafficable areas Grade B125 in parking areas and occasional traffic and A15 in pedestrian only areas.
7. Rainwater downpipes to be connected direct to drain using an appropriate adaptor & removable section of downpipe to permit rodding access.
8. 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.
9. 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, unless stated otherwise, or where a schedule is provided. Connections to Adoptable sewers to be 150mm diameter.
10. Gullies situated in areas accessible to wheeled vehicles to be of suitable construction for trafficable areas.
11. Where land drain is identified on the Architect's details, connect into nearest SW system.
12. This drawing should be read in conjunction with the Architect's and Structural Engineer's design drawings and specification.
An allowance to be made for all inspection chambers or manholes upstream of attention tanks or permeable pavements to have a 500mm sump catch pit within the chamber for silt control
13. 150mm diameter pipework to be extra strength vitrified clay to BS EN 295 or BS 65 on class S bed & surround.
14. 225mm diameter pipework to be extra strength vitrified clay to BS EN 295 or concrete class M to BS 5911 on class S bed & surround.
15. 300mm diameter and greater pipework to be concrete class M to BS 5911 on class B bed.
16. **ANY VARIANCE OR DISCREPANCY MUST BE REPORTED BACK TO RCP ENGINEERING BEFORE WORK BEGINS.**

KEY

Site Boundary	
Proposed Permeable Paving	
Private Surface Water Sewers (CP denotes catchpit chamber)	
Trench Soakaways with 10m offset to structures (colour coded to suit catchment)	
Cellular Storage (colour coded to suit catchment)	

[illegible]

KEY

Soakaway 10m offset

Root Protection Areas based on DWG file received from Dandara 18.08.2020

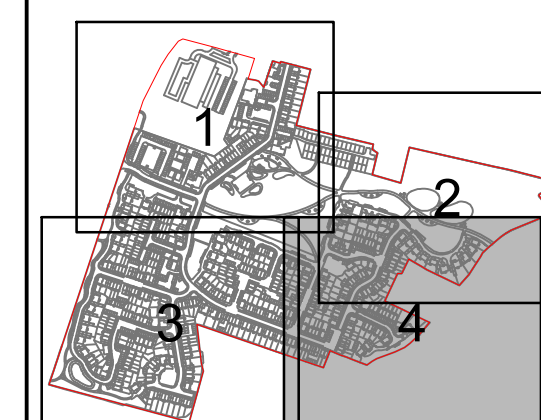
Plot drained by Infiltration Basin

The site plan shows a rectangular plot with a dashed red circle representing a Root Protection Area (RPA) in the upper right. A green hatched area representing an Infiltration Basin is in the lower right. A horizontal line with a crossbar, representing a soakaway, is located at the top of the plot, 10m offset from the boundary. The plot is labeled 'Plot drained by Infiltration Basin'.

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.

1:500 KEYPLAN



Client:-



Site:-
Fontwell
Eastergate
Arundel

Drawing Title:-
PROPOSED
SURFACE WATER
DRAINAGE STRATEGY
Sheet 4 of 4

Date: May 2019		Scales: 1:500 at A1	
Drawn: WD	Checked: LD	Approved: TRS	

Drawing No. _____

Drawing No. **DAN/E4736/034 H**

FOR INFORMATION ONLY



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