

NOTES:

- This drawing is to be read in conjunction with all other relevant Engineers, Architects, Specialists details, the Specification.
- Any grid lines, building lines etc are to be set out in accordance with the relevant Architects drawings.
- All underground drainage work to be installed in accordance with Building Regulations and British Standard Code of Practice 8301 and En752.
- The Contractor is to establish the installed level of existing sewers before commencing any other drainage works.
- Drainage pipework shall be clayware to BS.EN.295 as Hepworth SuperSieve or pVC-U to BS 1402 as Polypipe Terrain. Drains laid under buildings to be clayware unless notified otherwise. 300Ø pipework between existing manholes to be twin walled polypipe encased in 150 ST4 concrete
- RWP's connecting direct to the pipeline to be connected using oblique junctions with the connection being made at 10 or 2 o'clock if you imagine a section cut through the main pipe and the top/crown being 12 o'clock
- Drainage trenches shall be excavated down to firm ground in accordance with detail drawing.
- Drain trenches shall be backfilled with approved material to allow compaction to meet the appropriate standard.
- Drains under drives with less than 900 cover, or drains under gardens with less than 600 cover to be encased in concrete.
- The long radius drain bend at the base of each vent stack shall have an invert 750mm below finished floor level and terminate with a Terrain collar boss.
- Unless stated otherwise private drains that are clayware to have class B bed and surround and private drains that are plastic to have class S bed and surround. Drains laid under buildings to have class S bed and surround unless notified otherwise.
- Drains to be 100Ø, have a minimum cover of 350mm and laid at a minimum gradient of 1 in 80 (FW), 1 in 100 (SW) unless noted otherwise. FW drains under buildings to be laid at a minimum gradient of 1 in 40, unless noted otherwise.
- Drains shall terminate at the level agreed with the plumbing subcontractor, with a blank end or cap to prevent debris passing into the system.
- Manufacturers recommendations for installation shall be adhered to at all times.
- Soakaways shall be positioned a minimum of 5m away from buildings and highways.

CDM REGULATIONS HAZARDS
RESIDUAL RISKS

- Excavations in the ground:
Check for existing underground services.
 - Excavations in the ground:
Consider stability of sides of excavation.
 - Excavations in the ground:
Check and control ground water levels.
 - Excavations adjacent to existing foundations:
Work must be carried out strictly in accordance with the details on this drawing.
 - Excavations adjacent to existing foundations:
Do not excavate lower than the existing foundations unless expressly indicated on these drawings and then only after receiving approval from the Engineer of a Method Statement for the task
- Please refer to the Designers Hazard Assessment for full details of control measures and fuller information

F	Revised to suit Arun District Council comments	MG	BP	02/01/18
E	Revised to suit Arun District Council comments	MG	BP	22/12/17
D	Levels and notes revised	rw	BP	5.12.17
C	SVP repositioned	rw	BP	28.11.17
B	FW IL's and connection to extg sewer added	rw	BP	14.11.17
A	Revised to suit Architects comments, MHs revised	MG	BP	23/10/17
Rev		By	Chk'd	Date

Status PRELIMINARY

Client BIRCHSIDE MANAGEMENT LTD

Project ROSELAND
STATION APPROACH
THE CAUSEWAY, ARUNDEL

Title DRAINAGE LAYOUT



Job No.	9712	Dwg No.	01	Rev	F
Drawn by	rw	Date	18.10.17		
Checked by	BRP	Scale	1:50 @ A1		

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Hallmark House, 10/12 St Johns Rd, Woking, Surrey. GU21 7SE
tel: 01483 721721 fax: 01483 725073 e-mail: gce@gurneyce.com

MANHOLE SCHEDULE

SURFACE WATER								
MH No	CL	IL	Depth (m)	Chamber Type	Chamber Size	Channel Size (dia)	Cover Size	Cover Type
1	2.500	1.416	1.084	Brick	900x675	300	900x600	B125
2	2.500	1.339	1.161	Brick	900x675	300	90x600	B125
3	2.470	1.970	0.500	MAC	300Ø	100	300Ø	A15
FOUL WATER								
1	2.550	2.000	0.550	PPIC Z	475Ø	100	475Ø	A15
2	2.550	2.020	0.530	PPIC Z	475Ø	100	475Ø	A15

KEY

- Existing foul water sewer
- Existing surface water culvert
- Existing manhole
- Abandoned sewer to be removed
- Proposed foul water sewer
- Proposed foul water manhole
- Proposed surface water sewer
- Proposed surface water manhole
- RWP 700 rainwater downpipe
- RWPA 700 rainwater downpipe with access
- SVP Soil vent pipe
- SS Stub stack

NOTE:
WORKS TO BE APPROVED AND
INSPECTED BY ADC ENGINEERS

