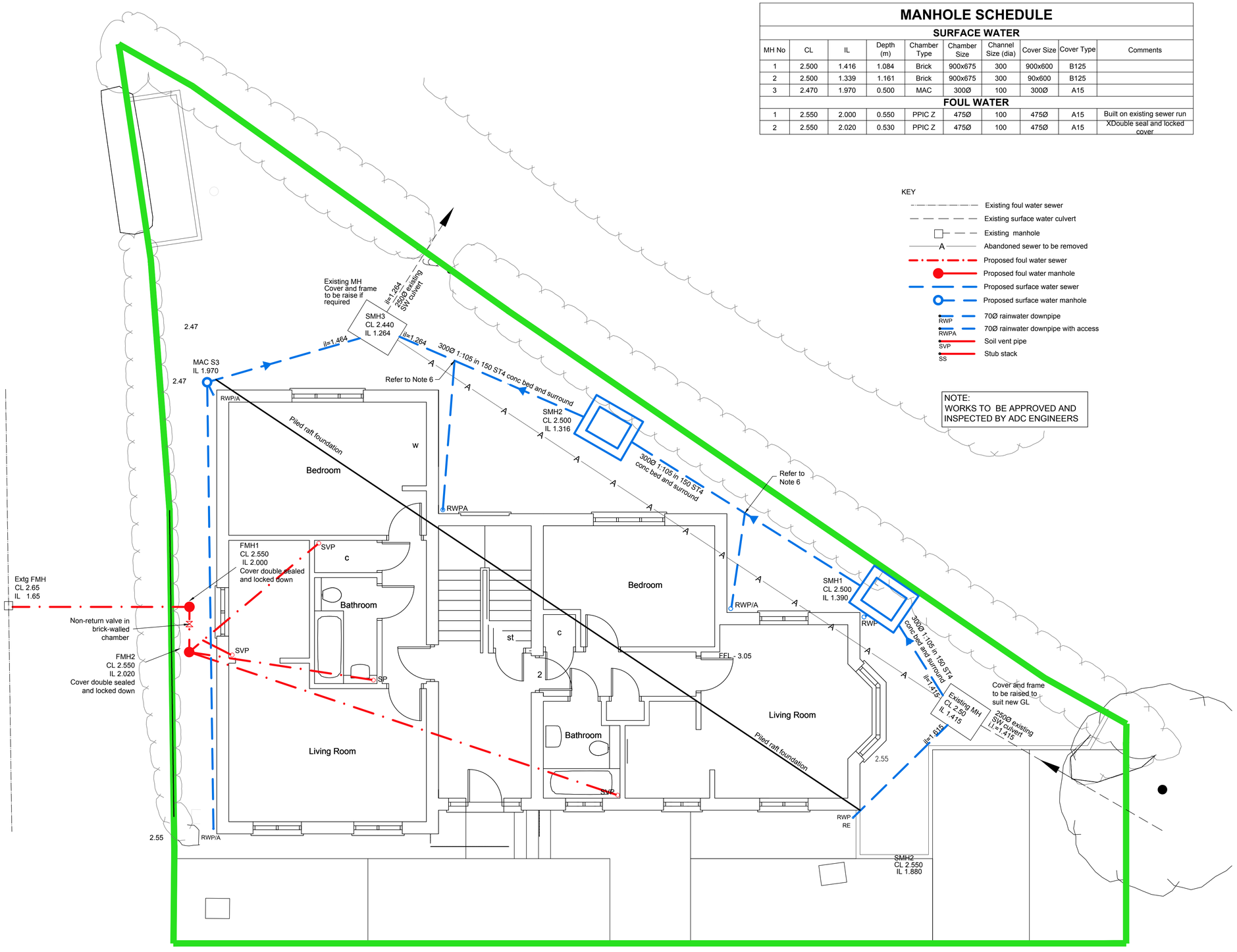

MANHOLE SCHEDULE

MH No	CL	IL	Depth (m)	Chamber Type	Chamber Size	Channel Size (dia)	Cover Size	Cover Type	Comments
SURFACE WATER									
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	Built on existing sewer run
2	2.550	2.020	0.530	PPIC Z	475Ø	100	475Ø	A15	XDouble seal and locked cover

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 — 70Ø rainwater downpipe
- RWPA — 70Ø rainwater downpipe with access
- SVP — Soil vent pipe
- SS — Stub stack

NOTE:
WORKS TO BE APPROVED AND INSPECTED BY ADC ENGINEERS

- DO NOT SCALE FROM THIS DRAWING -
All dimensions in mm U.N.O

NOTES:

1. This drawing is to be read in conjunction with all other relevant Engineers, Architects, Specialists details, the Specification.
2. Any grid lines, building lines etc are to be set out in accordance with the relevant Architects drawings.
3. All underground drainage work to be installed in accordance with Building Regulations and British Standard Code of Practice 8301 and En752.
4. The Contractor is to establish the installed level of existing sewers before commencing any other drainage works.
5. Drainage pipework shall be clayware to BS.EN.295 as Hepworth SuperSleve 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
6. 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
7. Drainage trenches shall be excavated down to firm ground in accordance with detail drawing.
8. Drain trenches shall be backfilled with approved material to allow compaction to meet the appropriate standard.
9. Drains under drives with less than 900 cover, or drains under gardens with less than 600 cover to be encased in concrete.
10. 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.
11. 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.
12. 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.
13. Drains shall terminate at the level agreed with the plumbing subcontractor, with a blank end or cap to prevent debris passing into the system.
14. Manufacturers recommendations for installation shall be adhered to at all times.
15. 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

Rev		By	Chk'd	Date
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

Status: PRELIMINARY

Client: BIRCHSIDE MANAGEMENT LTD

Project: ROSELAND
STATION APPROACH
THE CAUSEWAY, ARUNDEL

Title: DRAINAGE LAYOUT

GURNEY consulting engineers

Job No.	Drg No.	Rev
9712	01	F

Drawn by	Date
rw	18.10.17

Checked by	Scale
BRP	1:50 @ A1

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

ARUN DISTRICT COUNCIL LV/247/TODC