



PROPOSED FOUL WATER DRAINAGE						
REF.	COVER LEVEL	INVERT LEVEL	TYPE	DIA	COVER TYPE	COMMENTS
F1	203.000	202.400	PPIC	450	B125	
F2	203.500	201.935	PPIC	450	B125	
F3	203.000	201.230	PPIC	450	D400	
F4	202.600	201.150	PPIC	450	B125	
F5	203.000	202.400	PPIC	450	B125	
F6	203.000	202.350	PPIC	450	B125	
F7	203.000	201.310	PPIC	450	B125	

PROPOSED TREATED EFFLUENT DRAINAGE						
REF.	COVER LEVEL	INVERT LEVEL	TYPE	DIA	COVER TYPE	COMMENTS
T1	202.600	200.950	PPIC	600	B125	Lid to be hinged and lockable

- DO NOT SCALE
- Notes
1. All works to be carried out in accordance with:

1.1 "Sewers for Adoption" The contractor should note the new changes regarding adoption of sewers and construction methods.

1.2 BS EN 752 "Drain and sewer system outside buildings".

2. All levels shown are in metres and are relative to ordnance datum (m AOD).

3. Invert levels of all existing chambers and connection points are to be confirmed and engineer advised prior to commencement of any Drainage Works.

4. Concrete bed and surround is required to all gully leads and to all pipes in highways/hardstanding where cover to pipe <1200mm

5. All pipes to be either extra strength V.C. to BS 65 or PVC to BS 4660 or BS 5481 "UPONOR ULTRARIB" or concrete pipes Class 120 to BS 5911

6. All RWP & PU positions should be taken from the Architects drawings.

7. Existing sewer positions are indicative and are not to be used in conjunction with design. Contractor to confirm location.

8. All RWP connections to proposed manholes to be 100Ø. All Surface water sewers between manholes to be 150Ø unless noted otherwise.

9. CCTV to be carried out prior to construction.

10. All FW drains to be 100Ø UNO.

11. Contractor is responsible for positioning of MHs so they do not sit between two surface materials.

12. All proposed foul water to be directed towards new treatment works.

- Legend
- Proposed SW Sewer

Proposed FW Sewer

Proposed Treated Effl.

Existing SW Sewer

Existing FW Sewer

Existing Combined Sewer

Existing Gully

Rainwater Pipe

Rodding Eye

Linear Drain with Outlet Unit (SW)

Linear Drain with Outlet Unit (FW)

Foul Penetration in Floor Slab (Located Indicatively)

Foul Gully

Issued for Planning	JJH	P1	SR	19/02/2020
AMENDMENT	BY	REV	CHK	DATE
Rev P = Preliminary T = Tender C = Construction LCI = Last Construction Issue				

In instances where this drawing completes or partly completes a contract, Billingham George & Partners will consider that it's product has been validated, unless in a period not exceeding 90 working days, the client advises to the contrary.

Client  
Mr & Mrs Pritchard

Project  
Evistones Cottages  
Rochester

Drawing Title  
Proposed Drainage Plan  
Sheet 1 of 2

Drawn	J. Herbert	Date	Feb 2020
Checked	S. Ramshaw	Date	Feb 2020
Scale	1:150	Original Size	A1

bgp

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- Scale Bar
1. Cover levels are approximate only and may vary on site. Covers to suit finished line and levels.

2. Contractor is responsible for positioning MHs so they do not compromise line or level of kerbing or other delineation at the junction of two surface materials.

3. PPIC manhole diameters may vary and are dependant on manufactures specification and diameter of incoming / outgoing pipes.

4. Concrete manhole diameters are dependant on nominal internal diameter of largest pipe in manhole. See Table A on Typical Manhole Details drawing.

PROPOSED SURFACE WATER DRAINAGE						
REF.	COVER LEVEL	INVERT LEVEL	TYPE	DIA	COVER TYPE	COMMENTS
S1	203.000	202.535	PPIC	450	B125	
S2	203.000	202.650	PPIC	450	B125	
S3	203.000	202.360	PPIC	450	D400	
S4	202.900	201.860	PPIC	450	D400	
S5	203.500	201.645	PPIC	450	D400	
S6	203.000	201.000	PPIC	600	B125	Silt Trap
S7	203.000	202.400	PPIC	450	B125	
S8	202.800	202.200	PPIC	450	B125	
S9	202.700	202.000	PPIC	450	B125	

S.H.E.  
Do not excavate until all underground services have been identified and marked out. Refer to service providers drawings and to the utilities survey drawings. Unknown underground services may exist. Check for services by carrying out a scan with a cable avoidance tool.

Control kiosk for treatment plant. Alarms to be wired to telecommunications.  
Fence & Gate to Treatment works compound. Treatment works compound to be gravel surfacing edged by pin kerb.  
FW Treatment Plant  
Tank to be sized to accommodate the use of 5 persons. Size shown indicative.  
IL of 150Ø Incoming Pipe = 201.100  
IL of 150Ø Outgoing Pipe = 201.000  
Ground level = 202.600

Treatment Plant manufacturer to organise Environment Agency permit. All specification, scope and license to be design by specialist.

Conder FST Silt Trap to be located within wash down area. (Effluent waste to be piped to stand alone tank). Suggested location shown.

Proposed Foul Water system to connect into Existing FW chamber at location shown.  
CCTV to be carried out to confirmed route to treatment works.

Existing Foul Water discharges to septic tank in woods. To be made redundant as part of new works.

Note: Contractor to allow for linear drains and gullies within Courtyard. Exact locations and details of yard to be confirmed by Landscape Architect.

Note: SVP to be installed towards the head of the run.