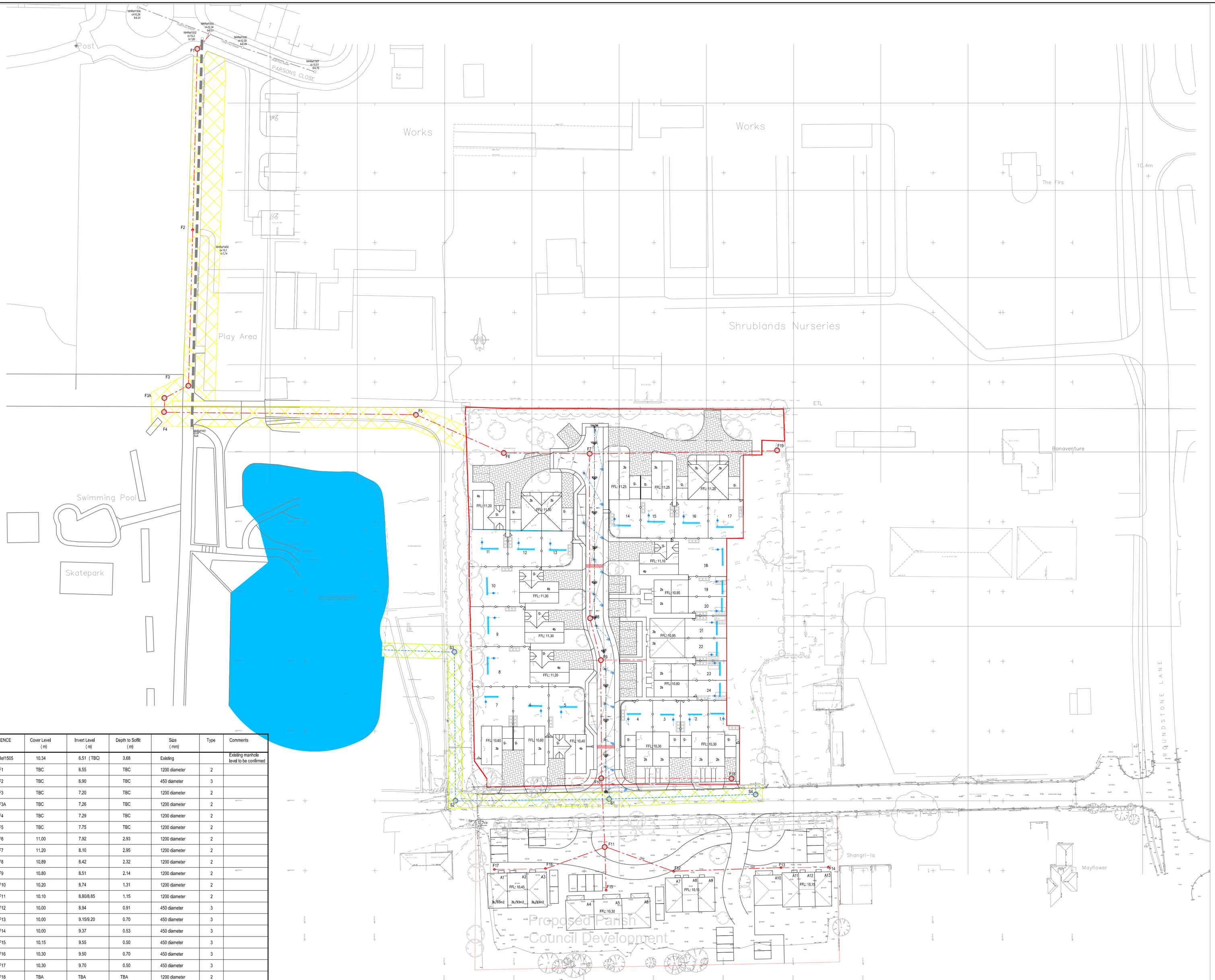


REFERENCE	Cover Level (m)	Invert Level (m)	Depth to Soffit (m)	Size (mm)	Type	Comments
ExMhRef1505	10.34	6.51 (TBC)	3.68	Existing		Existing manhole level to be confirmed
F1	TBC	6.55	TBC	1200 diameter	2	
F2	TBC	6.90	TBC	450 diameter	3	
F3	TBC	7.20	TBC	1200 diameter	2	
F3A	TBC	7.26	TBC	1200 diameter	2	
F4	TBC	7.29	TBC	1200 diameter	2	
F5	TBC	7.75	TBC	1200 diameter	2	
F6	11.00	7.92	2.93	1200 diameter	2	
F7	11.20	8.10	2.95	1200 diameter	2	
F8	10.89	8.42	2.32	1200 diameter	2	
F9	10.80	8.51	2.14	1200 diameter	2	
F10	10.20	8.74	1.31	1200 diameter	2	
F11	10.10	8.80/8.65	1.15	1200 diameter	2	
F12	10.00	8.94	0.91	450 diameter	3	
F13	10.00	9.15/9.20	0.70	450 diameter	3	
F14	10.00	9.37	0.53	450 diameter	3	
F15	10.15	9.55	0.50	450 diameter	3	
F16	10.30	9.50	0.70	450 diameter	3	
F17	10.30	9.70	0.50	450 diameter	3	
F18	TBA	TBA	TBA	1200 diameter	2	
F19	TBA	TBA	TBA	1200 diameter	2	

SURFACE WATER DRAINAGE:
Surface water drainage embraces the SUDS (Sustainable Urban Drainage) philosophy. This means utilising soakaways as the means of surface water discharge so water from the development will go directly to ground. On site infiltration tests at various locations to establish suitability have been undertaken. These tests results have been utilised to produce a drainage strategy that will introduce domestic soakaways to cater for the roof discharge for each property. Prior to discharging to the soakaway roof water will pass through a silt trap which will reduce the sediment deposit in the soakaway. All domestic drives and shared parking areas will be constructed from porous block paving which will discharge into the open graded sub base construction. This will provide attenuation storage prior to discharging into the underlying ground.
The main access road into the site will be constructed from impermeable macadam with a gully drainage system. Gullies will drain into the open graded sub base construction through a diffuser. The open graded sub base will provide the required attenuation prior to discharging through the sub strata through infiltration.
All surface water drainage has been designed in accordance with current Environment Agency requirements for the 1 in 100 year storm event plus 40% invrease for climate change.

FOUL WATER DRAINAGE:
The nearest public foul sewer is situated approximately 200 metres away in Parsons Close. Recent changes to Southern Water criteria regarding connecting to public sewers mean there will be no objection to the proposed discharge from the site connecting into this sewer. Levels have been calculated and it appears a gravity discharge from the site to the outfall is possible. The route of the sewer from the site to the outfall will and objections are not lanticipated as the new sewer will serve the proposedi

Legend:

- Existing foul water sewer
- Existing surface water sewer
- Type 2 manhole
- Type 3 manhole
- Silt Trap Manhole
- Domestic foul water drainage
- Domestic surface water drain.
- Domestic rubble soakaway designed in accordance with Environment Agency criteria. In-situ testing has been undertaken to confirm infiltration rates.
- Unadopted highway gully with Polypipe Permavoid Diffuser drapped in 2mm mesh to diffuse surface water into the sub grade
- Permeable block paved driveway and parking area
- FFL 11.20 Proposed Finished Floor Level
- Carriageway crossfall
- Proposed easement for foul drainage
- Proposed easement for surface water drainage
- Area of attenuation basin

Rev.	Date	Details	Initials
M	26.02.19	Eastern boundary amended	KN
L	09.10.18	Layout amended to architects 2_10_Final layout	KN
K	24.09.18	Attenuation basin added	KN
J	18.09.18	Soakaways adjusted	KN
H	24.08.18	Easement adjusted alongside play area	KN
G	20.08.18	Foul drainage repositioned along side play area	KN
F	04.05.18	Surface water and foul drainage connections to adjacent site	KN
E	27.03.18	Surface water manholes S1-S3 and easement added	KN
D	22.03.18	F1-F2 repositioned, easement added	KN
C	14.03.18	Surface water drainage and notes added	KN
B	08.01.18	Additional survey information added	KN
A	03.01.18	First issue	KN

Drawing Status
PRELIMINARY-FOR PLANNING

Project
MAYFLOWER LANE
ANGMERING

Client
Crayfern HOMES

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Drawing Title
Engineering Details
Drainage Strategy Layout

Drawn	Checked	Scales	Paper Size	Date
KN		1:500	A1	03.18
Job No.		Drawing No.		Revision
ES1539		602-01		M

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ARUN DISTRICT COUNCIL AW/0195/FL