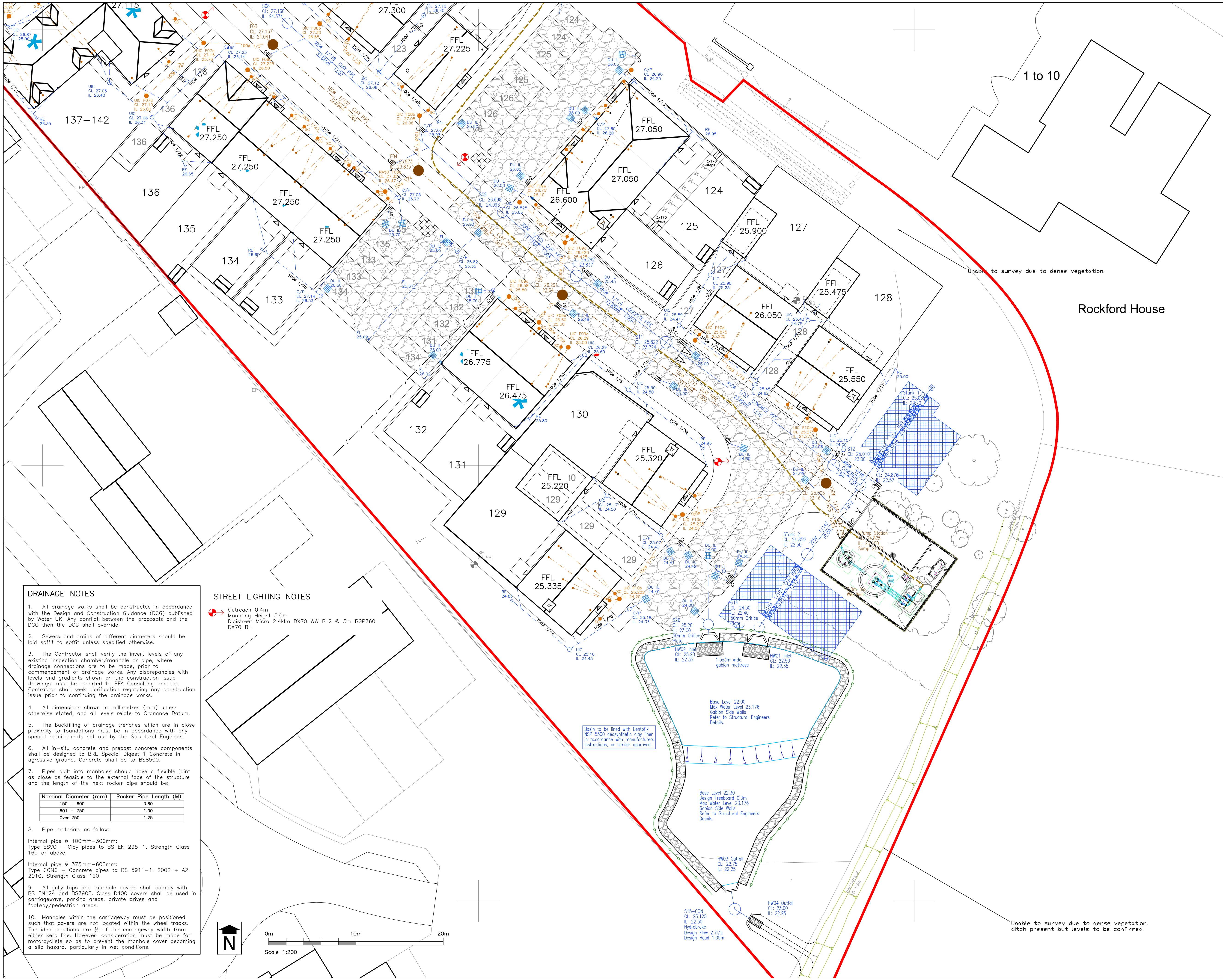




DRAINAGE NOTES

- All drainage works shall be constructed in accordance with the Design and Construction Guidance (DCG) published by Water UK. Any conflict between the proposals and the DCG then the DCG shall override.
- Sewers and drains of different diameters should be laid soffit to soffit unless specified otherwise.
- The Contractor shall verify the invert levels of any existing inspection chamber/manhole or pipe, where drainage connections are to be made, prior to commencement of drainage works. Any discrepancies with levels and gradients shown on the construction issue drawings must be reported to PFA Consulting and the Contractor shall seek clarification regarding any construction issue prior to continuing the drainage works.
- All dimensions shown in millimetres (mm) unless otherwise stated, and all levels relate to Ordnance Datum.
- The backfilling of drainage trenches which are in close proximity to foundations must be in accordance with any special requirements set out by the Structural Engineer.
- All in-situ concrete and precast concrete components shall be designed to BRE Special Digest 1 Concrete in aggressive ground. Concrete shall be to BS8500.
- Pipes built into manholes should have a flexible joint as close as feasible to the external face of the structure and the length of the next rocker pipe should be:

Nominal Diameter (mm)	Rocker Pipe Length (M)
150 – 600	0.60
601 – 750	1.00
Over 750	1.25

8. Pipe materials as follow:

Internal pipe Ø 100mm–300mm:
Type ESVC – Clay pipes to BS EN 295–1, Strength Class 160 or above.

Internal pipe Ø 375mm–600mm:
Type CONC – Concrete pipes to BS 5911–1: 2002 + A2: 2010, Strength Class 120.

9. All gully tops and manhole covers shall comply with BS EN124 and BS7903. Class D400 covers shall be used in carriageways, parking areas, private drives and footway/pedestrian areas.

10. Manholes within the carriageway must be positioned such that covers are not located within the wheel tracks. The ideal positions are 1/4 of the carriageway width from either kerb line. However, consideration must be made for motorcyclists so as to prevent the manhole cover becoming a slip hazard, particularly in wet conditions.

STREET LIGHTING NOTES

Outreach 0.4m
Mounting Height 5.0m
Digistreet Micro 2.4klm DX70 WW BL2 @ 5m BGP760 DX70 BL



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For Tender

This drawing is intended to provide the contractor/ developer with sufficient information, when read in conjunction with the Specification, to identify materials and to estimate quantities for the purposes of cost estimates. It should not be relied upon for construction purposes.

Key

- S1 Surface Water Sewer & Manhole
- Surface Water Filter drain to be hand dug
- Road Gully and Gully Connection
- F1 Foul Water Sewer & Manhole
- All manhole covers located in the carriageway to be sited so to avoid wheel tracks.
- UIC Polypipe Inspection Chamber
- C/P Catchpit Inspection Chamber
- RE Rodding Eye
- Rainwater Downpipe
- Permeable Sub-Grade Construction
- SDS Attenuation Tank. Refer to SDS drawings
- Permavoid Diffuser Unit
- Driveway Yard Gully
- UIC Polypipe Inspection Chamber
- R450 Polypipe Inspection Chamber
- SC Foul Shallow Access Chamber
- Private Foul Connection
- Foul Rising Main

Rev	Date	Description	Drawn	Check
#	17/05/22	First Issue	MM	PMC
A	05/10/22	Street lighting added. FFL's & foul drainage amended.	WDN	PMC
B	14/10/22	Gullies added to parking areas. Reference to Polypipe product added to key. Basin details added and outfall arrangement amended.		PMC
C	21/02/23	Minor amendments for moving pump station up by 1m	ML	PMC
D	23/02/23	Minor amendments for reducing size of pump station by 1.5m	ML	PMC
E	24/02/23	Hatching denoting permeable sub-grade changed. Gully connections amended to discharge into sub-grade to comply with approved drainage strategy.		PMC

Status

FOR TENDER

Client

Vistry Group

Project

**Allington Lane
Phase 3**

Drawing Title

**Proposed Drainage and
Street Lighting Plan
Sheet 2 of 2**

Drawing No.

V063/23

Rev E

Date: May 2022

Scale: 1:500 @ A1

E-Mail: pchurchward@pfapl.com