



RWP AND SVP/FOUL CONNECTIONS
ARE SUBJECT TO FINAL
CONFIRMATION BY ARCHITECT

Key

- Proposed Surface Water Drainage
- Proposed Foul Water Drainage
- Existing Sewer

This drawing is copyright of DART Engineers Ltd and must not be copied or reproduced in any way without written consent.

- Do not scale off this drawing
- This Drawing is for planning purposes only and should not be used as a construction drawing

Status			
PRELIMINARY			
No.	Revision	Date	Drwn
P1	FIRST REVISION	08.10.25	RT

Drainage Strategy

The site is located within flood zone 1 with a low risk of flooding from rivers or the sea and is less than 1 hectare, therefore a site specific flood risk assessment should not be required.

The existing site is a brownfield, with existing drainage to the Yorkshire Water System

NPPF guidelines require that surface water arising from a developed site should as far as practicable be managed in a sustainable manner to mimic the surface water flows arising from the site prior to development.

Surface Water:

Flow restriction 2.5l/s will be achieved using a package pump station due to the levels on site

The proposed impermeable area is 1100m² including 10% urban creep, please refer to impermeable area plan. Based on a flow restriction of 2.5l/s and modeling using Causeway Flow software the attenuation requirement for a peak return period of 1 in 100year plus 45% climate change is 50m³.

Attenuation for the proposed impermeable area of 1100m² to be provided via 1 x geo-cellular tank, 10.5x6x0.8m DEEP = 50.4m³.

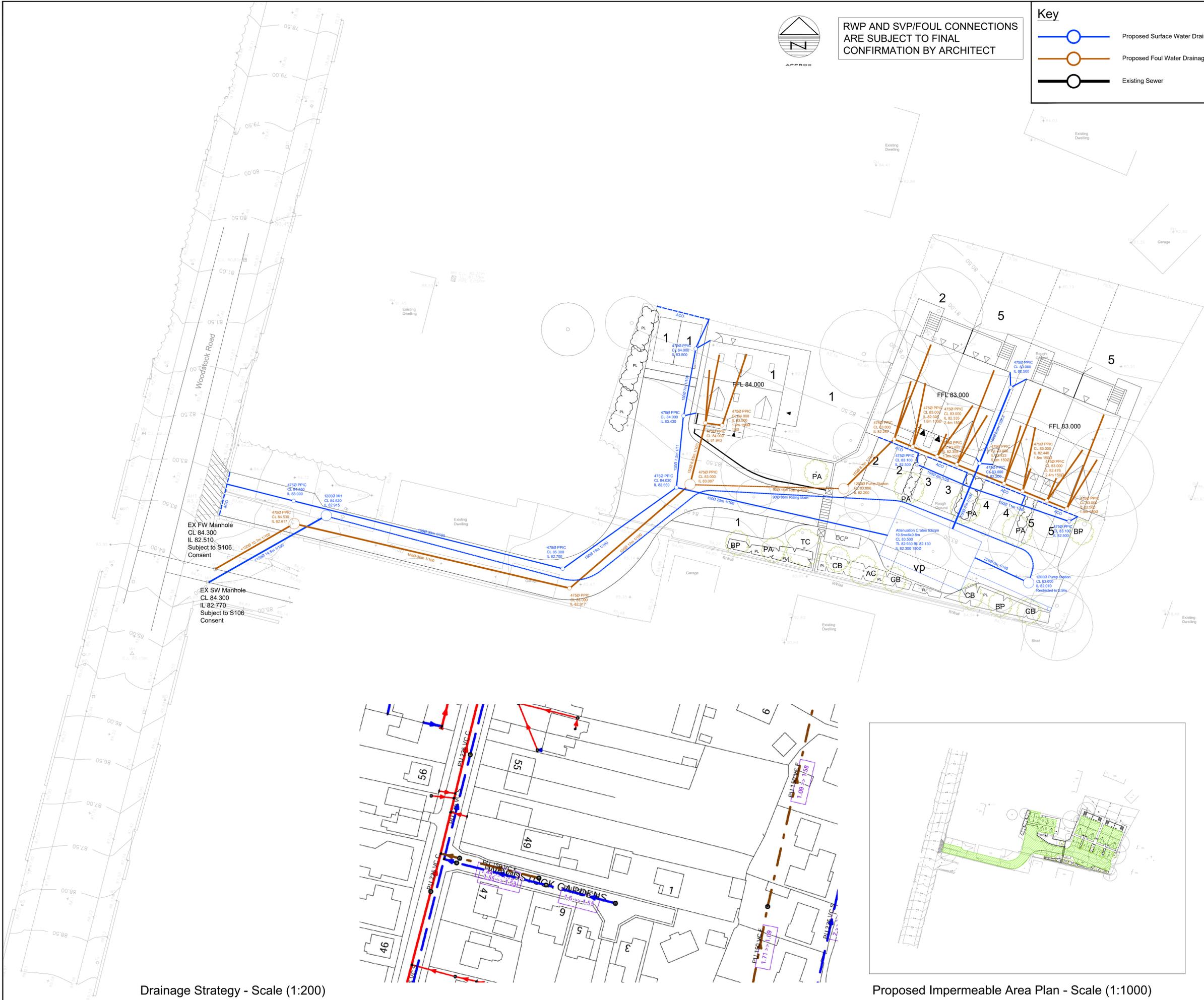
Flows will direct to a package pump station and pump to the entrance of site where they will enter the Yorkshire Water Sewer subject to S106 consent

Foul Water:

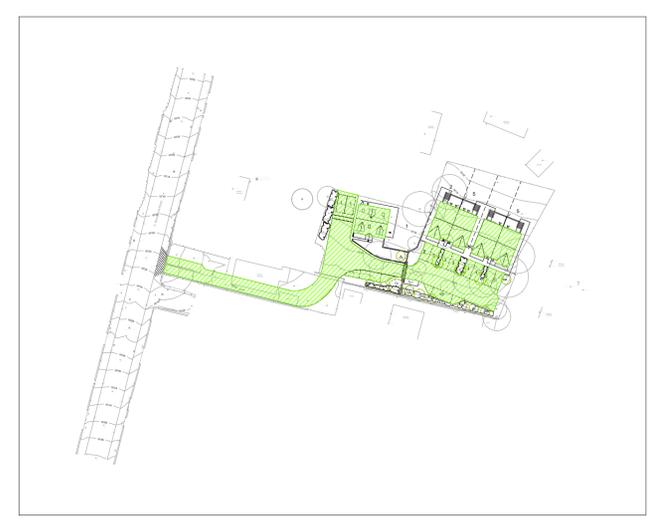
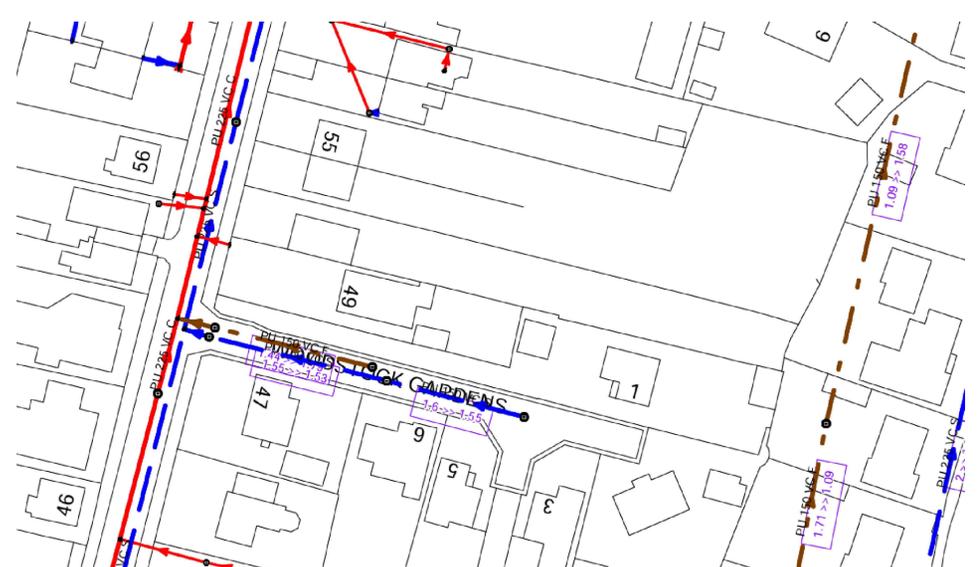
Flows will direct to a package pump station for the lower properties and pump to the crest of site where they will fall by gravity to the Yorkshire Water Sewer subject to S106 consent

Maintenance:

Surface and foul water system to be kept private and under a residents management company who will be responsible for the management and maintenance of the system, please see Dart Engineers schedule for actions



Drainage Strategy - Scale (1:200)



Proposed Impermeable Area Plan - Scale (1:1000)



CONTACT
e: andy@dart-engineers.com
e: rob@dart-engineers.com
t: 01837 339827
w: www.dart-engineers.com

CLIENT

PROJECT

DRAWING TITLE
Drainage Strategy

Drawn	Chkd	Date	Scale
Sheet Size	Drawing No.	Revision	
A1	12345-DR-C-		