

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

Key

- Proposed Surface Water Drainage
- Proposed Foul Water Drainage
- Existing Sewer
- Overland Flood Route

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PRELIMINARY			
No.	Revision	Date	Drwn
P1	FIRST REVISION	18.09.25	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

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:

Infiltration Rate 0.09324 as per Dart Engineers Test

Plot 1 - The proposed impermeable area is 90m² including 10% urban creep, please refer to impermeable area plan. Based on a infiltration rate of 0.09324/s and modeling using Causeway Flow software the attenuation requirement for a peak return period of 1 in 100year plus 45% climate change is 10m³.
Soakaway crates to be provided at 3x3x1.2m = 10.25m³
Sited 5m from buildings
Permeable paving will be used to drain private drive

Plot 2 - The proposed impermeable area is 80m² including 10% urban creep, please refer to impermeable area plan. Based on a infiltration rate of 0.09324/s and modeling using Causeway Flow software the attenuation requirement for a peak return period of 1 in 100year plus 45% climate change is 9.5m³.

Soakaway crates to be provided at 3x3x1.2m = 10.25m³
Sited 5m from buildings
Permeable paving will be used to drain private drive

Plot 3-9 and road - The proposed impermeable area is 1200m² including 10% urban creep to buildings, please refer to impermeable area plan. Based on a infiltration rate of 0.09324/s and modeling using Causeway Flow software the attenuation requirement for a peak return period of 1 in 100year plus 45% climate change is 130m³.

Soakaway crates to be provided at 2x35x2.0m = 133m³
Sited 5m from buildings
Permeable paving will be used to drain private drive

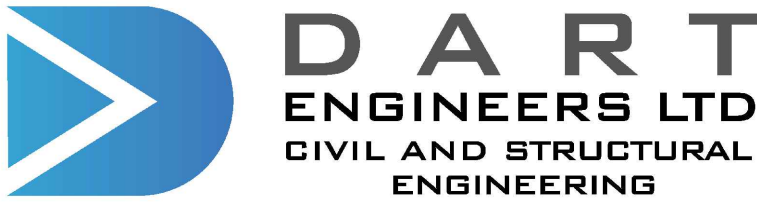
Foul Water:

Foul water from the proposed new site will be treated via treatment tank and connect into the existing culvert on site which leads to watercourse due to the absence of foul sewers in the area, Treatment tank to be 7m from building

Contractor to confirm invert level of existing culvert prior to work commencing, pumping may be required

Maintenance:

Development to be kept private and residents will form a management company for the maintenance of all sewers, please refer to Dart Engineers Schedule for actions



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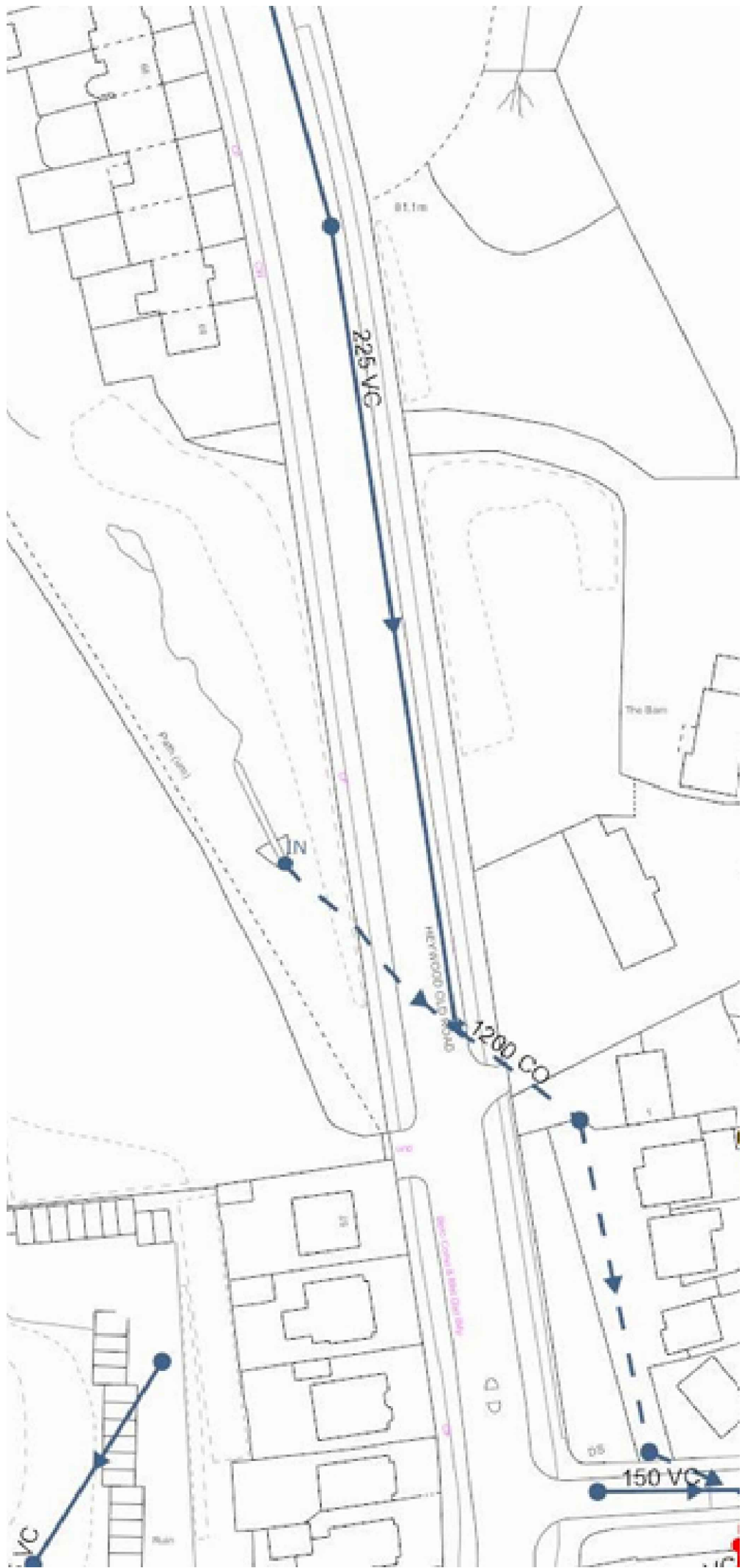
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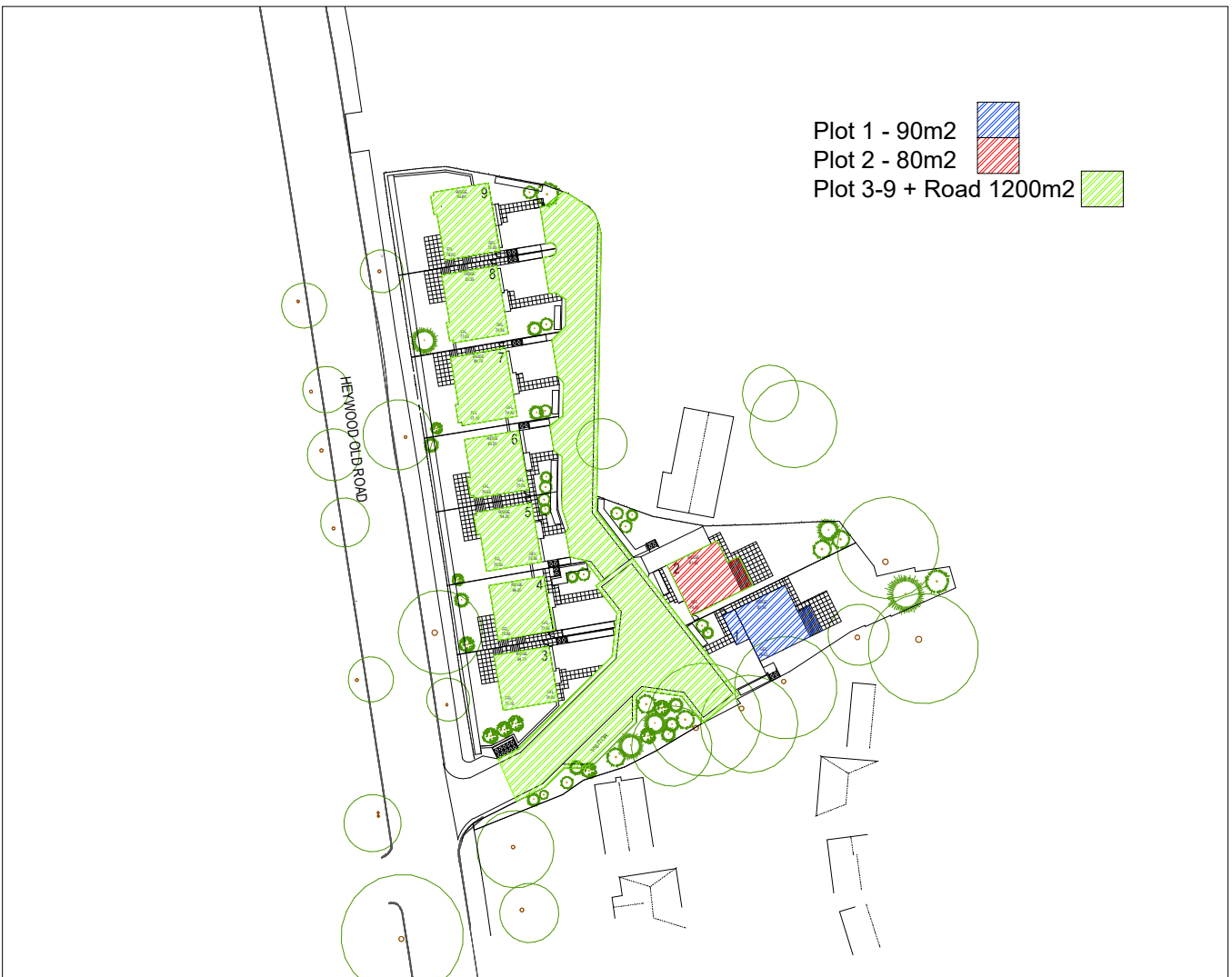
DRAWING TITLE
Drainage Strategy

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Drainage Strategy - Scale (1:X)



UU Records



Proposed Impermeable Area Plan - Scale (1:1000)