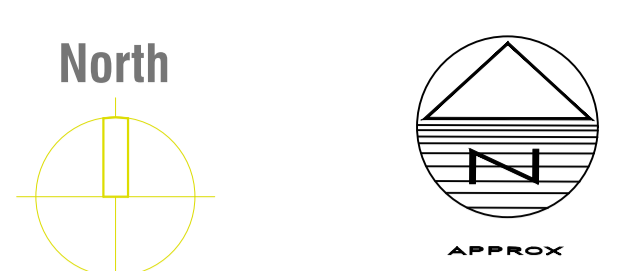


Site Plan 1:200

STATION CO-ORDINATES		
East	North	Elevation
433099.726	410103.528	100.67
433091.378	410083.651	100.09

Drainage Strategy - Scale (1:100)



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

Key

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

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- 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	22.10.25	HD

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. Therefore, the minimum outlet of the flow control is 34mm. To achieve this the surface water system has been restricted to 1.5l/s which is based on 30% betterment to the existing 1m¹ year flow of 2.1l/s (150m² existing impermeable area).

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 1.5l/s will be achieved using a 34mm Orifice Plate.

The proposed impermeable area is 171m² including 10% urban creep, please refer to impermeable area plan. Based on a flow restriction of 1.5l/s and modeling using Causeway Flow software the attenuation requirement for a peak return period of 1 in 100 year plus 45% climate change is 7.08m³.

Attenuation for the proposed impermeable area of 171.16m² to be provided via Storage Tank, TANK 1 = 5x4x0.4m Deep = 20m² and 7.6m³.

Permeable paving will be used to drain private drives.

Surface water from the proposed site will connect into the existing private combined sewer on site.

Foul Water:

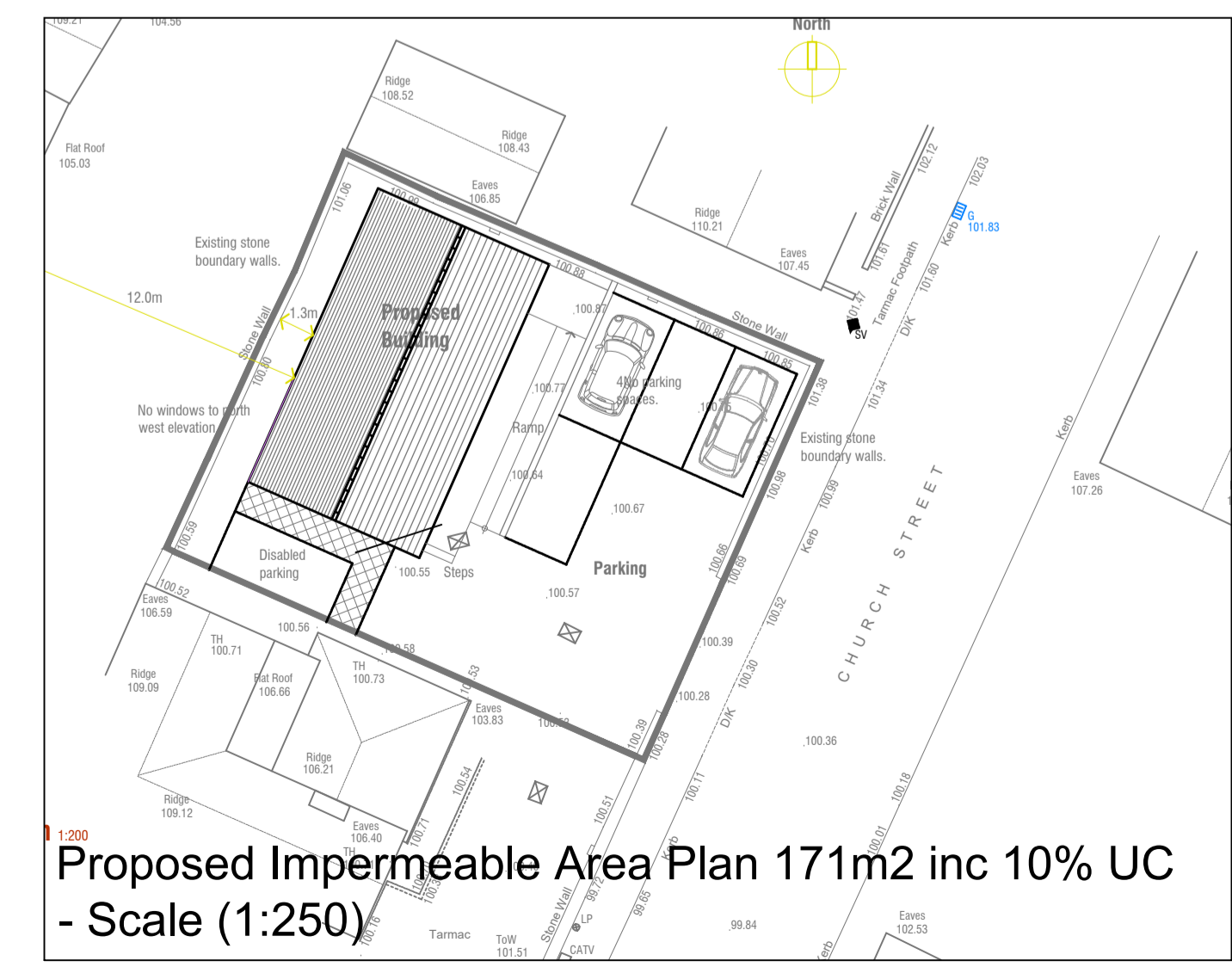
Foul water from the proposed new site will connect into the existing private combined water sewer via the on-site existing connection.

Maintenance:

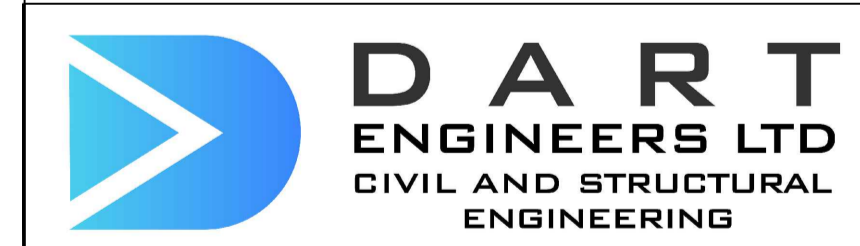
Site is to be kept private, therefore site owner is responsible for the up-keep of the drainage. Refer to Dart Engineers Maintenance Schedule.



Existing Impermeable Area Plan 150m2 - Scale (1:250)



Proposed Impermeable Area Plan 171m2 inc 10% UC - Scale (1:250)



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CLIENT

RUSS LANG

PROJECT

CHURCH STREET, MAPPLEWELL

DRAWING TITLE

Drainage Strategy

Drawn	Chkd	AD	Date	Scale
HD			22.10.25	
Sheet Size	Drawing No.		Revision	
A1	25664-DR-C-0100		P1	