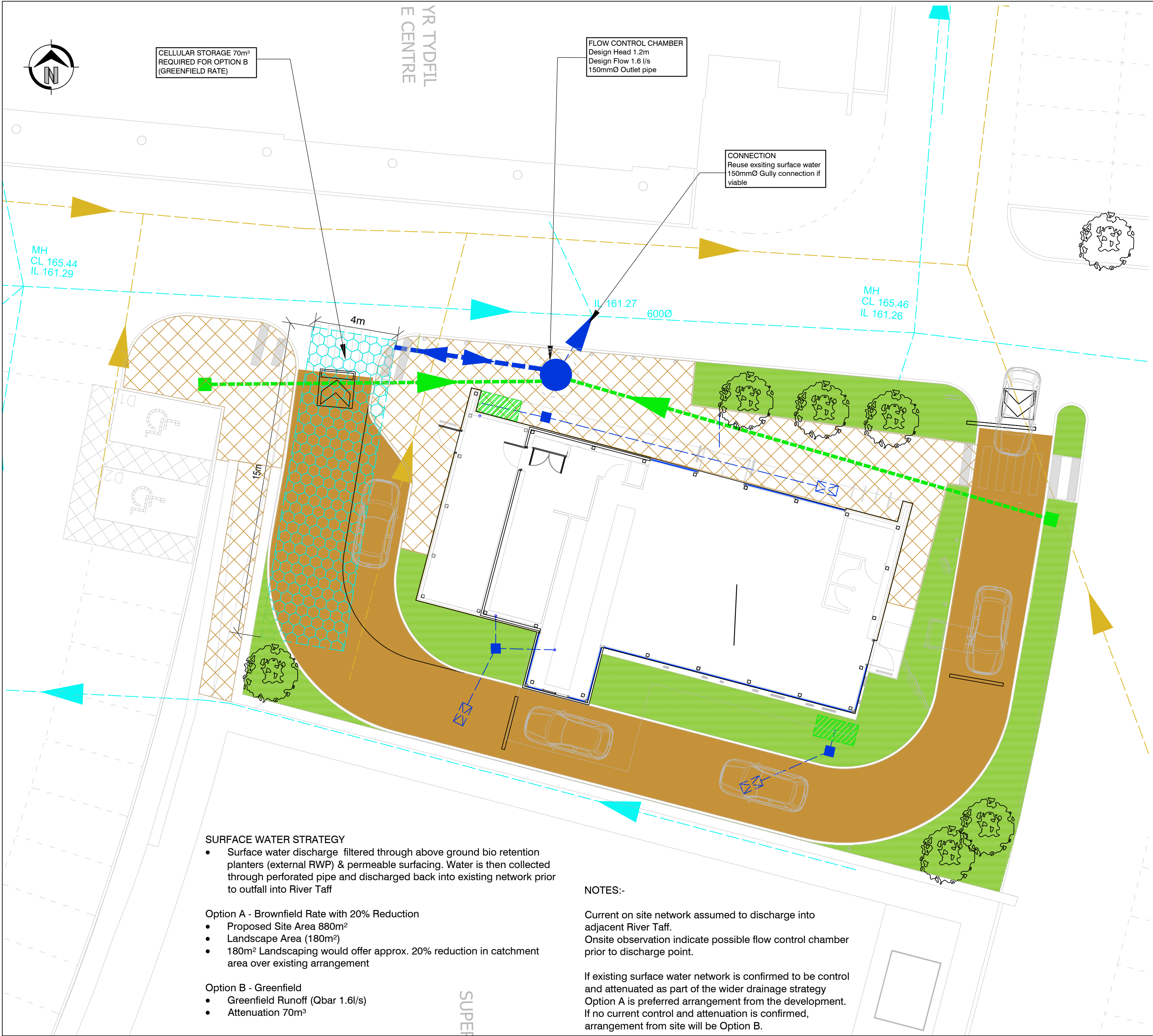




Legend

Landscaped Area

Permeable Block Paving

Permeable Tarmac

Flow Control Chamber (Option B Only) / 1200mmØ Catchpit Chamber (Option A)

Catchpit / Silt Trap Chamber (450Ø)

Distribution Crate (1m x 0.5m x 0.4m)

225mmØ Perforated Collection Pipe

600mmØ Catchpit Chamber

Attenuation tank (Option B Only) (Tank Size 15m x 4m x 1.2m)

Above Ground 2m x 1m Bio Retention Plan

Existing Foul Network

Exsiting Surface Water network

Rev	Date	Description	By
Dimensions to be verified on site. This drawing should not be scaled. Use figured dimensions only. Any discrepancies should be referred to the Engineer prior to work being put in hand. This drawing is copyright.			
QuadConsult Limited Columbus House, Village Way Greenmeadow Business Park Cardiff CF15 7NE 029 2077 9644 contactus@quadconsult.co.uk www.quadconsult.co.uk		QuadConsult ENGINEERS IN PARTNERSHIP Consulting Civil & Structural Engineers	
Client Whitecross Building Consultancy Ltd			
Project Starbucks, Cyfarthfa			
Title PROPOSED SURFACE WATER STRATEGY PLAN			
Drawing Status PRELIMINARY			
Designed by ML	Drawn by ML	Checked by AV	Date 10/02/21
Scales @ A2 size 1:200			
Drawing No 20231-C-001-0			

- SURFACE WATER STRATEGY
- Surface water discharge filtered through above ground bio retention planters (external RWP) & permeable surfacing. Water is then collected through perforated pipe and discharged back into existing network prior to outfall into River Taff
- Option A - Brownfield Rate with 20% Reduction
- Proposed Site Area 880m²
 - Landscape Area (180m²)
 - 180m² Landscaping would offer approx. 20% reduction in catchment area over existing arrangement
- Option B - Greenfield
- Greenfield Runoff (Qbar 1.6l/s)
 - Attenuation 70m³

NOTES:-

Current on site network assumed to discharge into adjacent River Taff.
Onsite observation indicate possible flow control chamber prior to discharge point.

If existing surface water network is confirmed to be control and attenuated as part of the wider drainage strategy
Option A is preferred arrangement from the development.
If no current control and attenuation is confirmed, arrangement from site will be Option B.