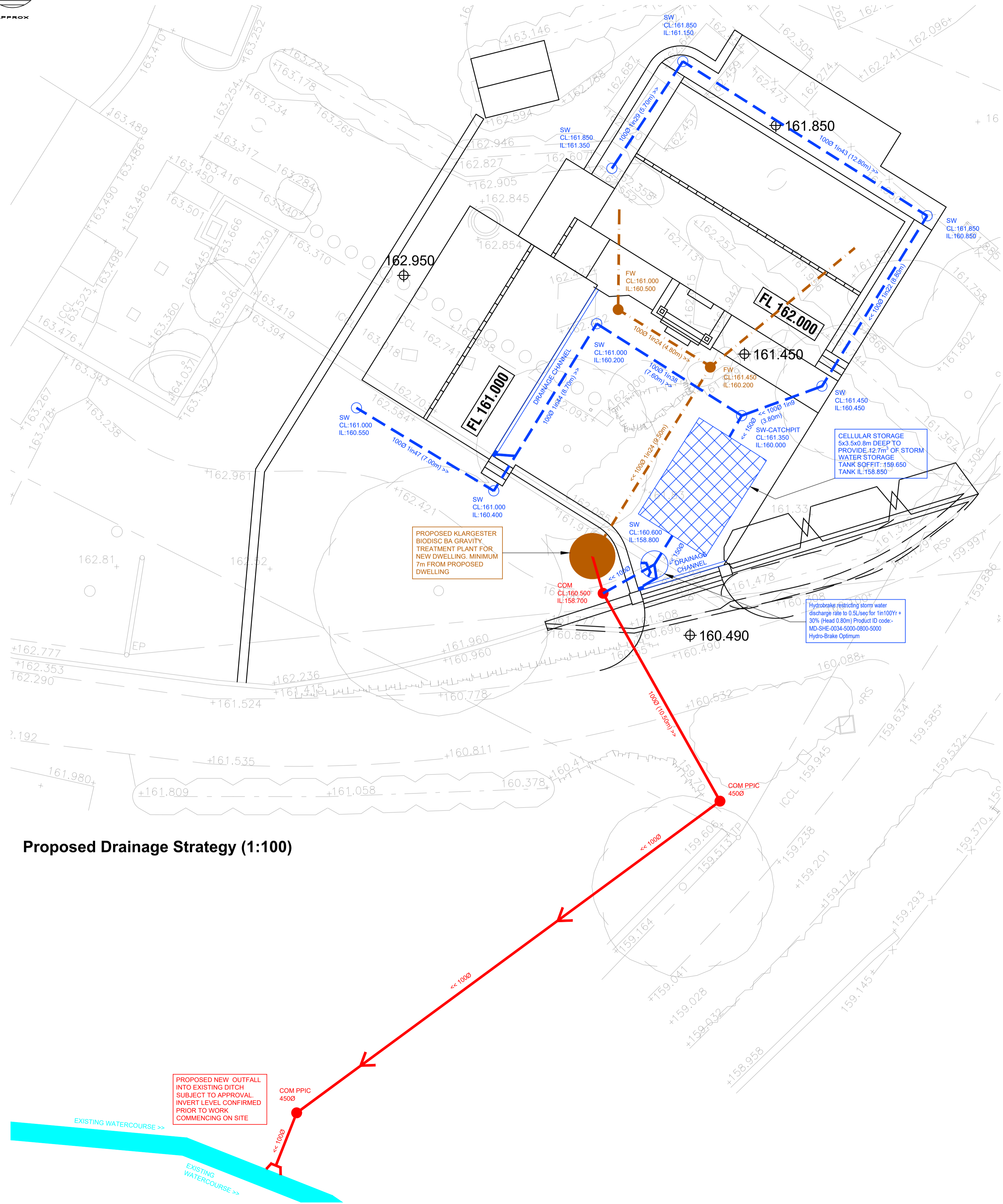


RWP AND SVP/FOUL CONNECTIONS ARE SUBJECT TO FINAL CONFIRMATION BY ARCHITECT

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DO NOT SCALE OFF THIS DRAWING

Notes:

- This drawing is to be read in conjunction with all relevant architect's and engineer's drawings.
- It is assumed that all works will be carried out by a competent contractor working, where appropriate, to an approved method statement.



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.

Under SuDs guidance the first point of discharge for surface water is percolation via soakaway. Site percolation was carried on 12th October 2021 and is proven infiltration by soakaway is not viable. Please refer to Topping Engineers report.

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:

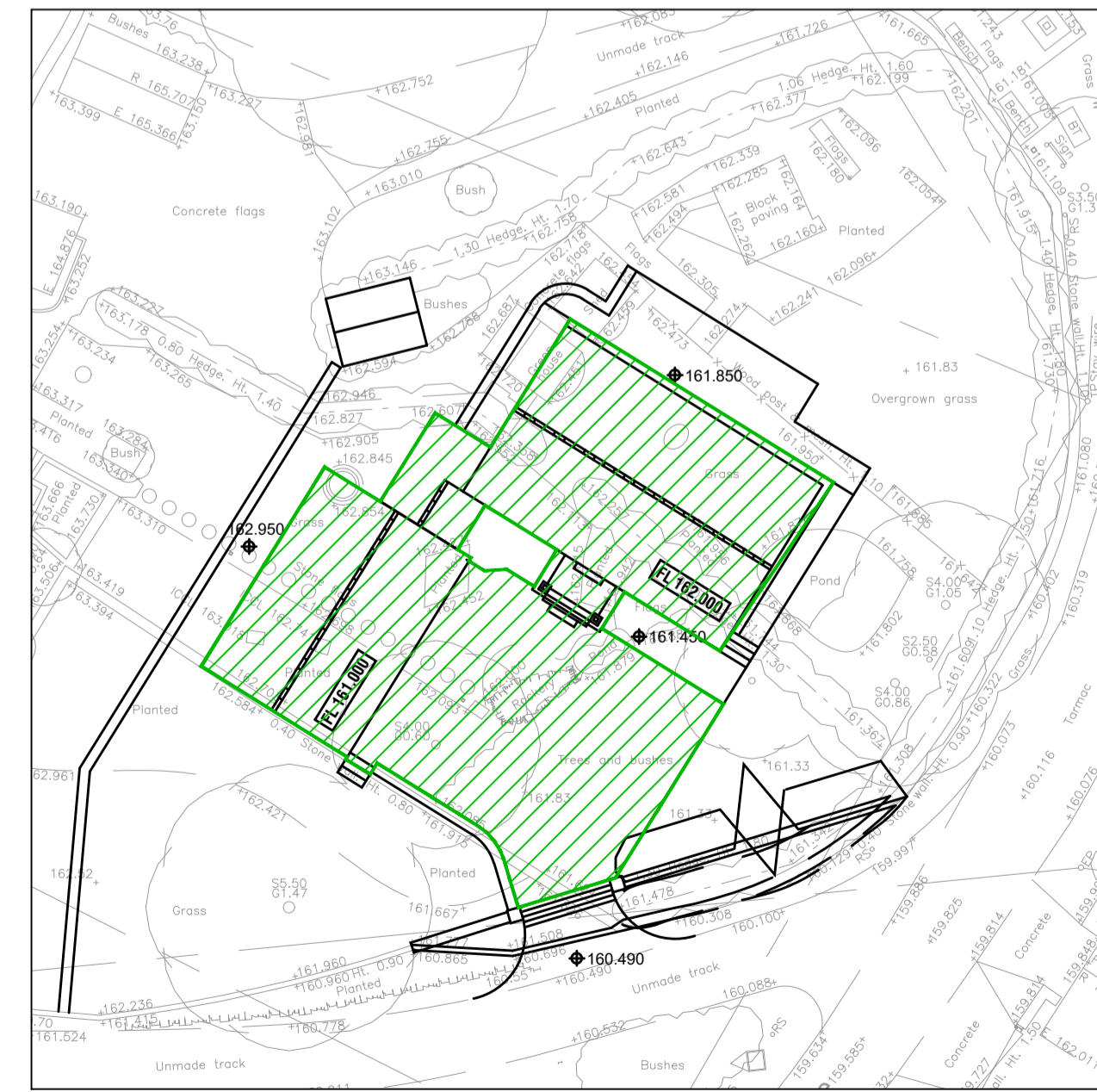
Flow restriction 0.5l/s

The proposed impermeable area is 280m². Based on a flow restriction of 0.5l/s and modelling using Micro Drainage software the attenuation requirement for a peak return period of 1 in 100year plus 30% climate change is **12.7m³**.

Attenuation to be provided via **GEO-CELLULAR TANK 5x3.5x0.8m DEEP WITH 95% VOID RATIO**. The flows will be attenuated using a 34mm Hydrobrake control device ref MD-SHE-0034-5000-0800-5000.

Foul Water:

Foul water from the proposed new site will be treated by a Klargestor biodisc treatment tank and discharge into the existing ditch at the bottom of the site.



P2	DRAINAGE REVISED	27.10.21	TM
P1	FIRST ISSUE	20.10.21	TM
No.	Revision	Date	Drwn
Status			
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Client			
The Wharnccliffe Estate			
Project			
Howbrook, Sheffield, S35 7EJ			
Drawing title			
Drainage Strategy			
Drawn	TM	Chkd	Date
Contract No.	21362	Drng No.	DR-C-0100
		Scale	As Shown @ A1
		Revision	P2