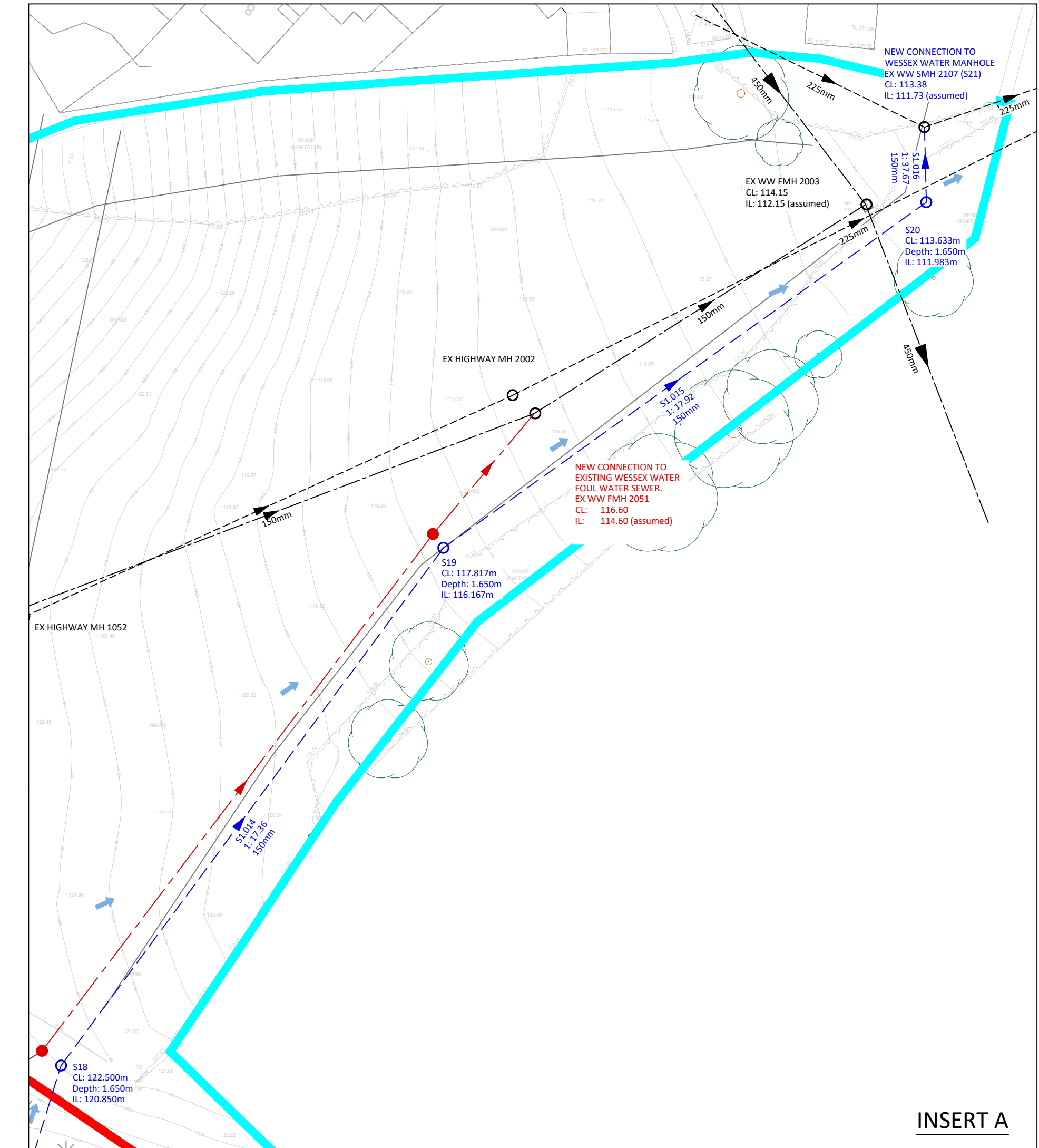
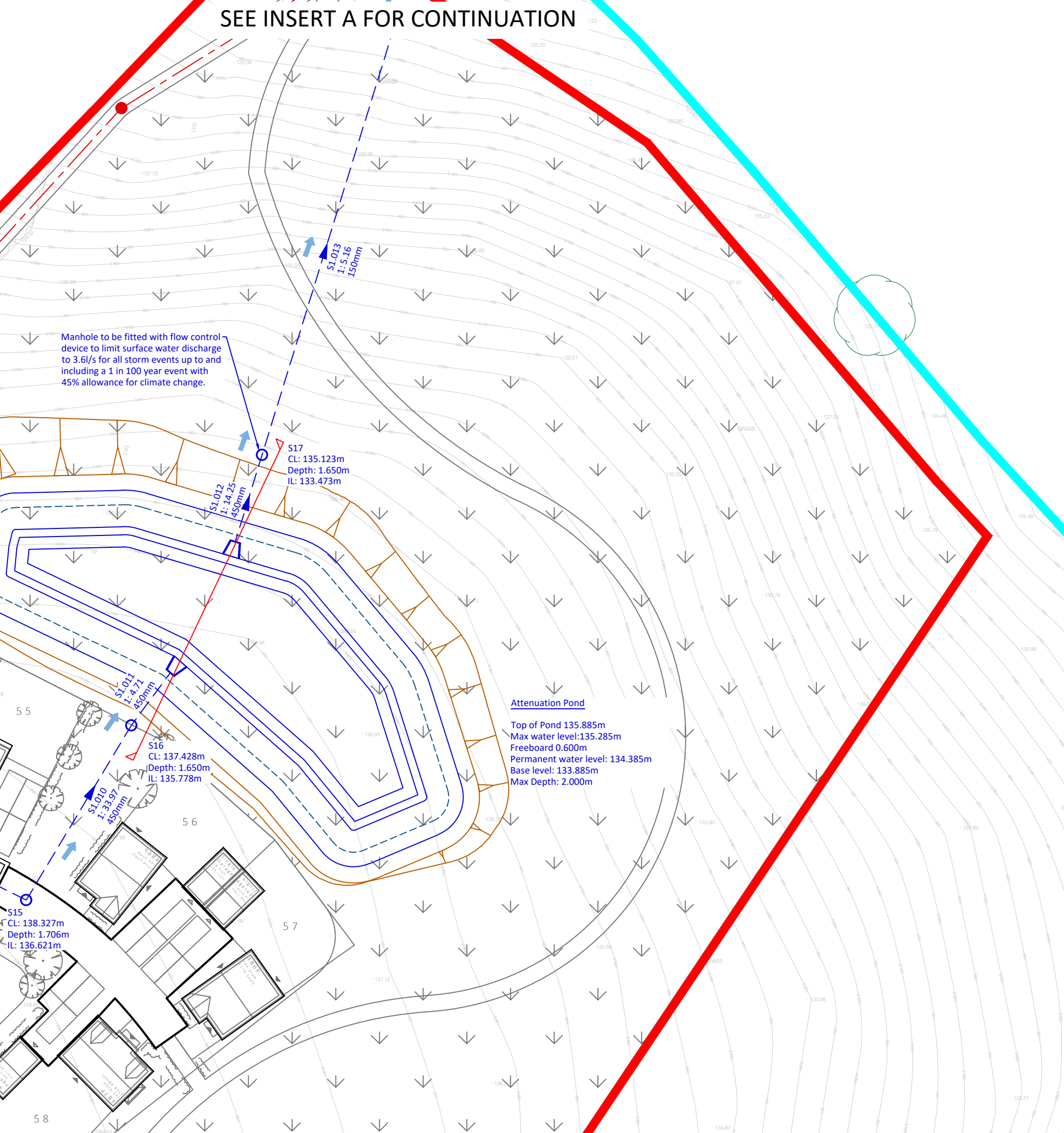
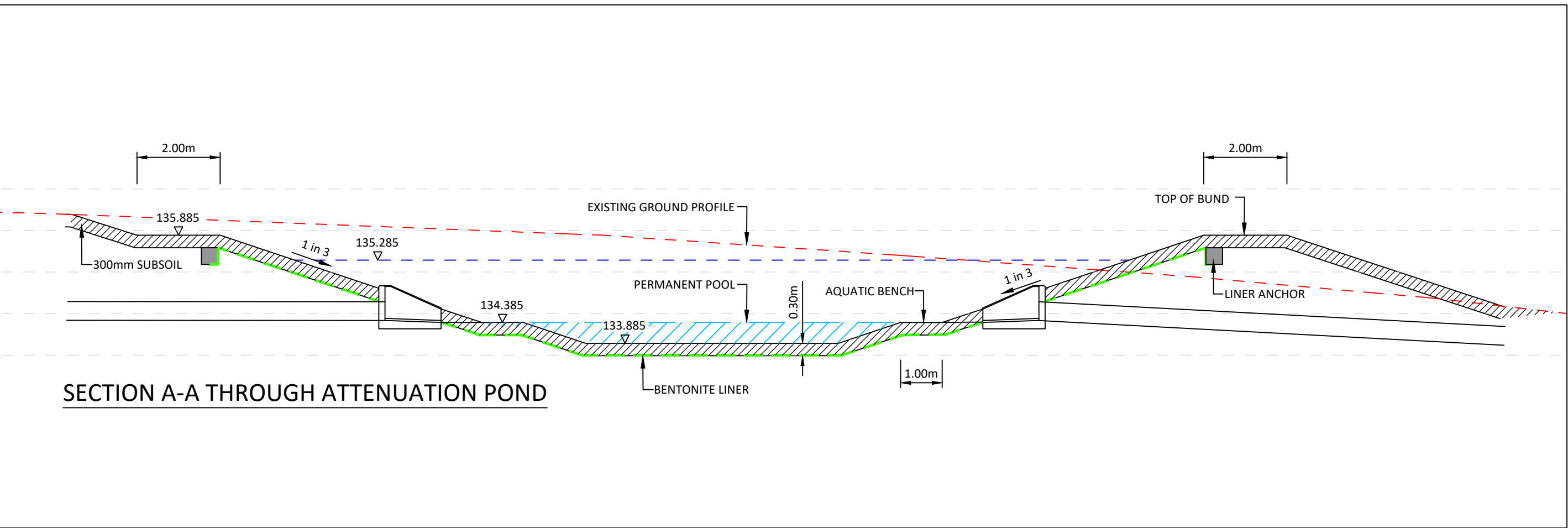




SURFACE WATER DESIGN NOTES

It is understood that ground conditions are unsuitable for infiltration drainage techniques. Therefore, it is proposed to drain surface water runoff to the existing surface water sewer to the south west of the site.

The site's greenfield runoff rate (QBAR) for the site has been calculated using the FEH method as 3.6l/s based on an impermeable area of 1.134ha.

Before discharging surface runoff to the surface water sewer, flows will be restricted to as close to the sites equivalent greenfield runoff rate as practical. Discharges will be limited using a vortex flow control device, with excess flows stored and attenuated onsite within the attenuation pond for all return periods up to and including a 1 in 100 year design event with 45% allowance for climate change.

The CIRIA C753 SuDS Manual 2015 sets out requirements for delivering appropriate levels of treatment to surface water runoff using SuDS. The table below identifies the pollution hazard indices for the relevant uses on the site and the water quality treatment provided, using the Simple Index Method.

Pollution Index	Total Suspended Solids	Metals	Hydrocarbon
Required Indices (Residential estates)	0.5	0.4	0.4
Mitigation index (Pond)	0.7	0.7	0.5

DRAINAGE LEGEND

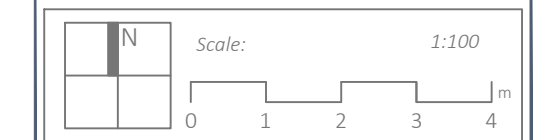
- S19
CL: 30.099
IL: 28.374
- 150mm 1/100
- Surface water manhole
- Surface water sewer
- Site Boundary
- Proposed bank and gradient
- Existing level
- Foul water manhole
- 150mm 1/100
- Foul water sewer
- Existing Highway Boundary
- Flood exceedance route
- Existing Surface Water Sewer
- Existing Foul Water Sewer

REV	DESCRIPTION	DATE
P1	PRELIMINARY ISSUE	30.10.25
JA	Comment	By

Ashley Coombe,
Warminster

Drainage Strategy

Project Number	RL102
Status	Planning
Client	Rubix Land
Drawing Number	500
Revision	P1
Drawn By	JA
Checked By	MR
Date	18/09/2025
Paper	A1



Feasibility | Planning Support |
Drainage Design | Flood Risk
Assessments | Highways
Design | Earthworks Modelling
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