

Typical Attenuation Tank Detail

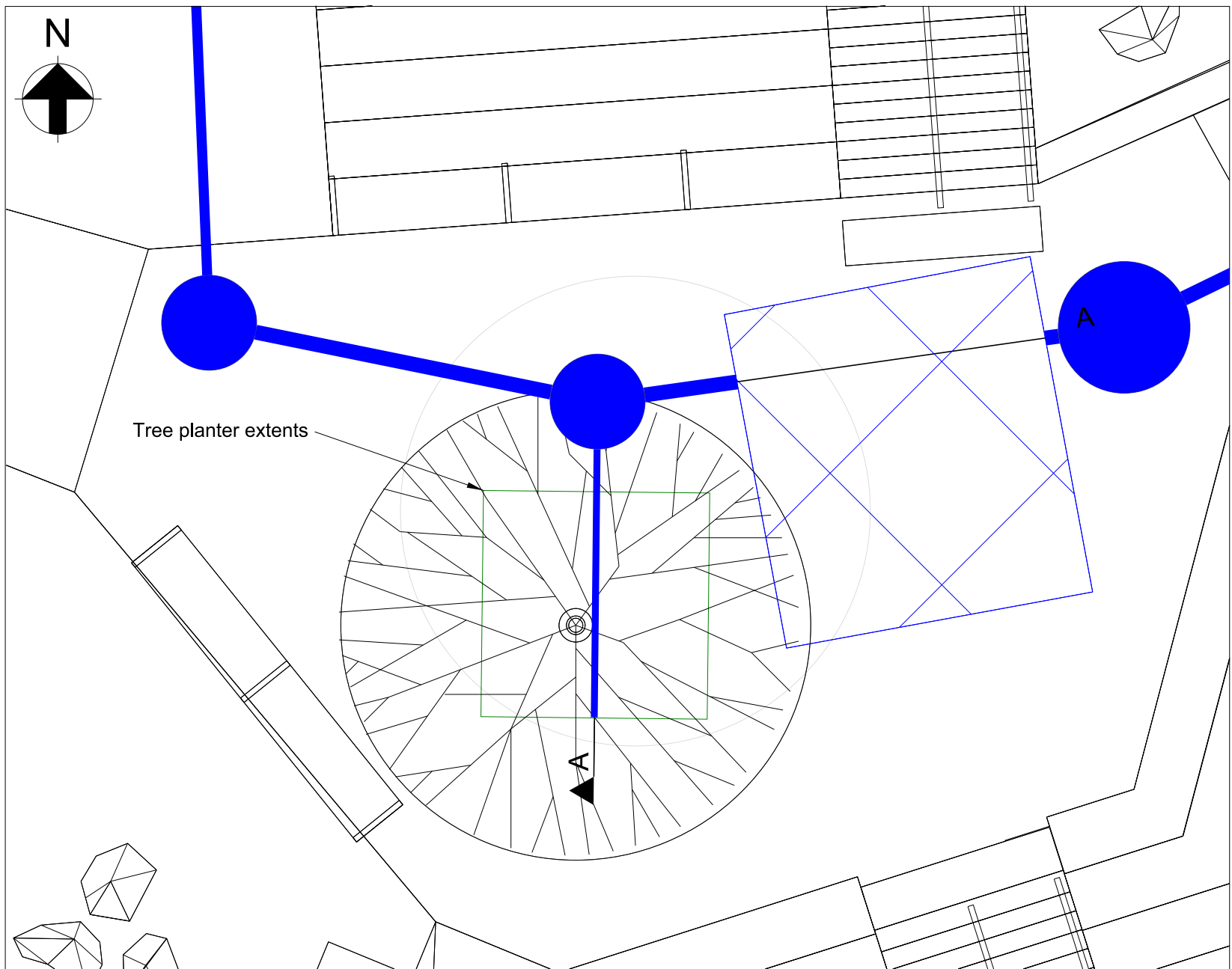
Scale 1:20

1mm thick polypropylene liner between 2 layers of geofabric to be wrapped around tank

Attenuation tanks to be constructed of Polystorm- R Modular Cell crates or similar approved

Paving build-up

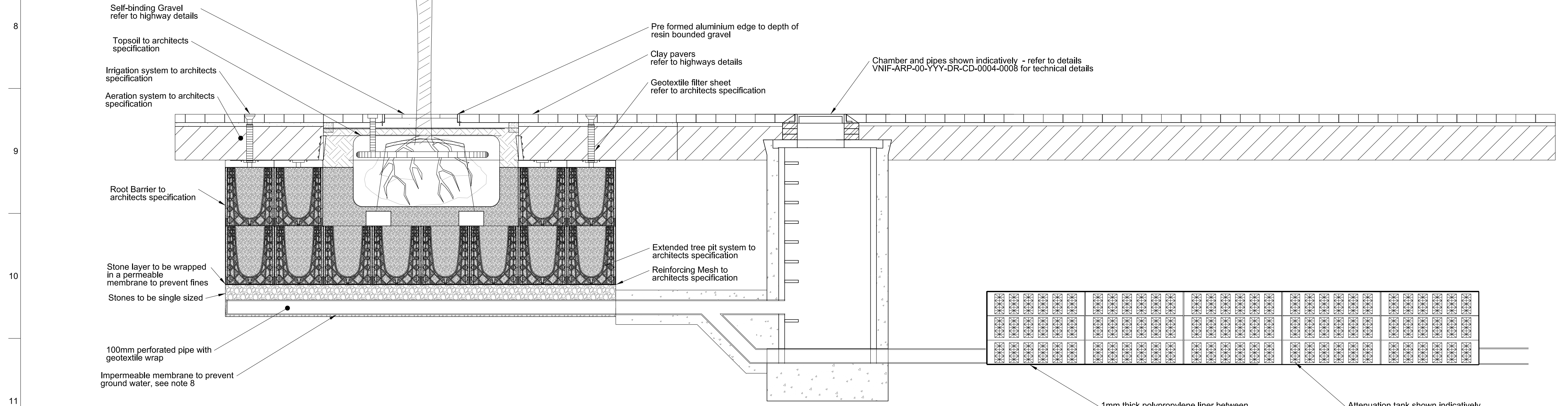
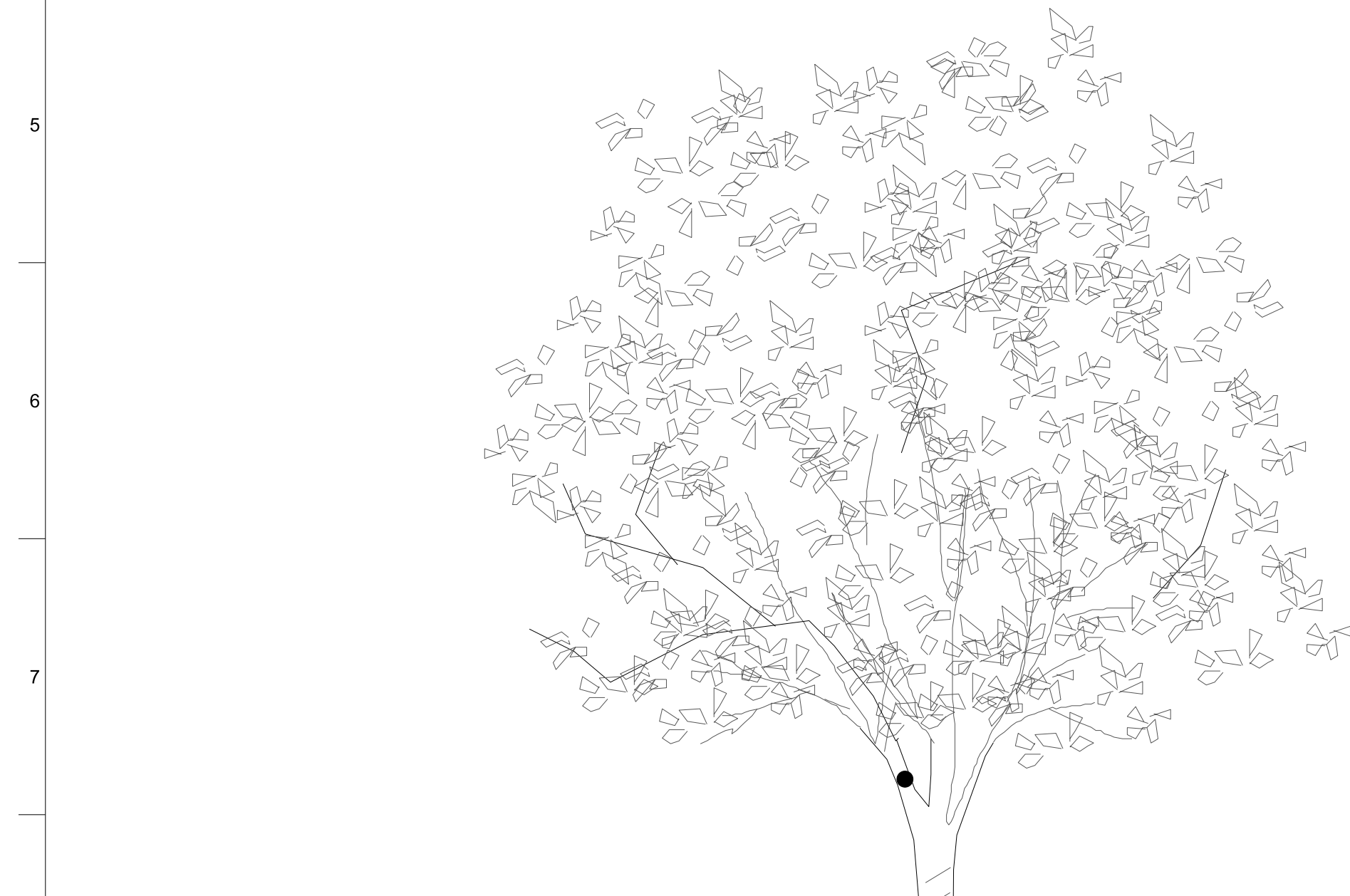
Attenuation tank shown indicatively refer to manufacturers details



Plan

Scale 1:100

Tree planter extents



Red Bank Terraces Tree Pit to Attenuation Tank Detail

Section A-A

Scale 1:25

1mm thick polypropylene liner between 2 layers of geofabric to be wrapped around tank

Attenuation tank shown indicatively, refer to manufacturers details

Notes

- All dimensions are in mm, all levels in mAOD, unless specified otherwise.
- Do not scale from this drawing.
- This drawing should be read in conjunction with all relevant Engineer's and Architect's drawings, reports and specifications
- Concrete Requirements. Concrete to be in accordance with BS 8500 parts 1 and 2:
 - Concrete chemical class - Made ground: AC-3 DC-1
 - Natural ground: AC-1s DC-1
 - Blinding: GEN 1
 - Bases and Surround: GEN 3
- Drainage construction materials, unless otherwise stated:
 - Drainage pipes - Polyethylene in accordance with BS 13476
 - Manholes - Precast Concrete
 - Inspection Chambers - Polypropylene in accordance with BS 7158
- For the Infrastructure Specification refer to VNIF-ARP-ZZ-YYY-SP-C-0001. Where this drawing refers to a Clause/Figure/Table, this can be found in the "Design and Construction Guidance for foul and surface water sewers offered for adoption" - Rev 2.1 - dated 25th May 2021.
- Bed and Surround Class A3 when:
 - Cover level in trafficked areas < 1.2m
 - Cover level in non-trafficked areas < 0.9m
Bed and Surround Class S when:
 - Cover level in trafficked areas > 1.2m
 - Cover level in non-trafficked areas > 0.9m
- Nonwoven polypropylene geotextile (Terram T1000GT or similar approved)
 - Tensile strength 8.0kN/m
 - Tensile elongation 60%
 - CBR puncture resistance 2kN
 - Mean pore size 75 µm.
 - Permeability (H50) 90l/m2.s
- Impermeable membrane to be Polypropylene liner 1mm thick, 300mm joints to manufacturer's specification.

P01	22/07/22	WS4 Issue to BAM		DH	RG	LS	—
P02	08/08/22	Issued for Technical Approval		ES	DH	RG	—
P03	10/10/22	Full WS4 Issue		ES	DH	RG	—
P04	20/10/22	Issued for Full WS4		ES	DH	RG	—
Rev	Date	Description	By	Chkd	Appd		Auth

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Client



Project Title
Victoria North HIF Infrastructure & Enabling Works

Drawing Title
Attenuation Tank Details

Scale at A1		AS SHOWN		Anup Job No		282022-00	
Role		Civil - Drainage					
Suitability		S4 - Issued for Construction Approval					
Rev	By	ES	Chkd	DH	Appd	RG	--
	Date	19/10/22	Date	20/10/22	Date	20/10/22	--
Name							
VNIF - ARP - 00 - YYY - DR - CD - 0049							
Project	Originator	Volume	Location	Type	Role	Number	