

**MAINTENANCE REQUIREMENTS FOR BIORETENTION SYSTEMS & TREE PITS**

**Regular Inspections:**

- Inspect infiltration surfaces for silting and ponding, record de-watering time of the system to determine if maintenance is necessary.
- Frequency - Quarterly
- Assess plants for disease infection, poor growth, invasive species etc. & replace if necessary.
- Frequency - Quarterly
- Inspect inlets & outlets for blockage.
- Frequency - Quarterly

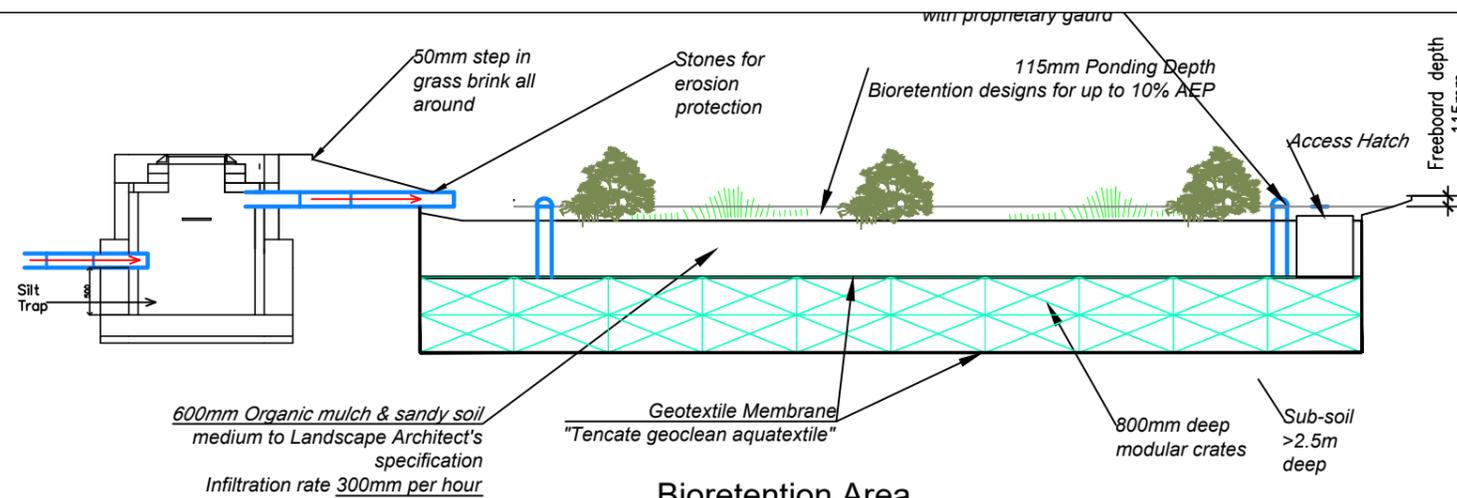
**Regular Maintenance:**

- Remove litter & surface debris & weeds.
- Frequency - Quarterly
- Replace any plants, to maintain planting density.
- Frequency - as required.
- Remove sediment, litter & debris build-up from around inlets or overflow.
- Frequency - Quarterly
- Infill any holes or scour in the filter medium, improve erosion protection if required.
- Frequency - as required.
- Repair minor accumulations of silt by raking away surface mulch, scarifying surface of medium & replacing mulch.
- Frequency - as required.

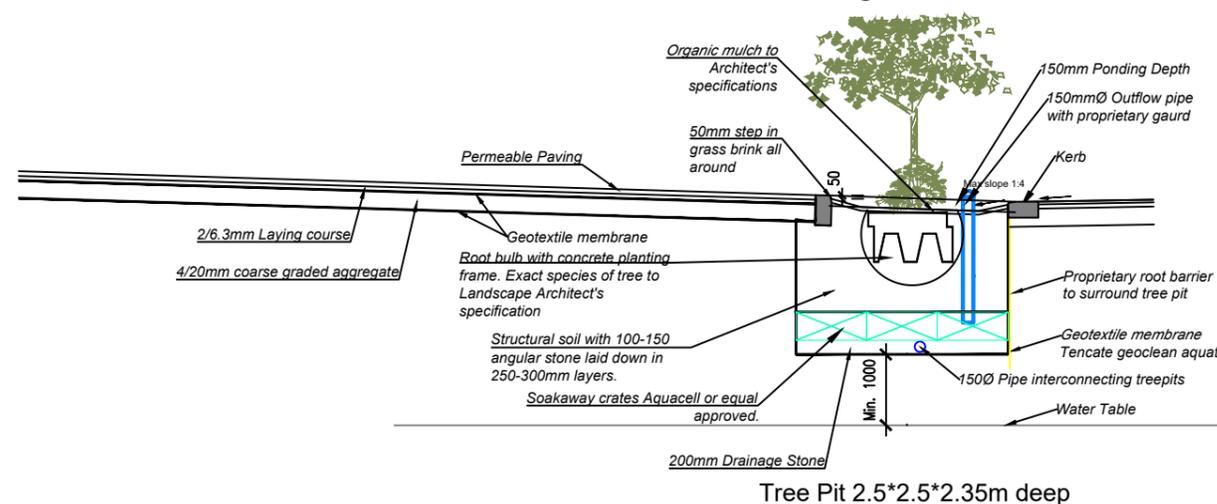
**Remedial Actions:**

- Remove & replace filter medium & vegetation above.
- Frequency - as required but likely to be >20years.

**Bioretention Area #1**  
Scale 1:75

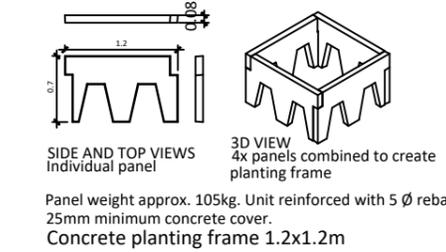


**Bioretention Area**  
13.3\*3\*1.35m deep  
Overall design to 1% AEP



**Tree Pit 2.5\*2.5\*2.35m deep**

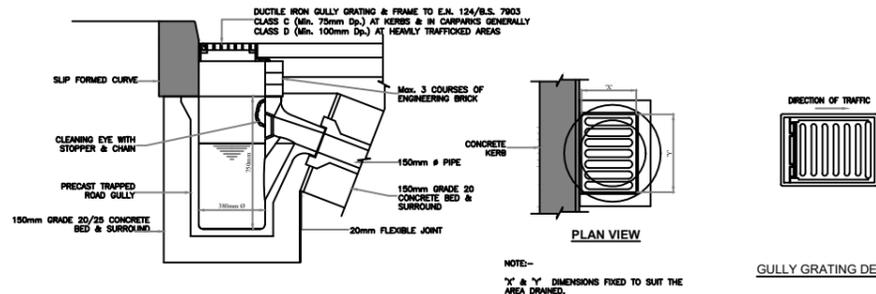
**Permeable Paving / Treepit Details**  
Scale 1:100



**Concrete Planting Frame**  
Scale NTS

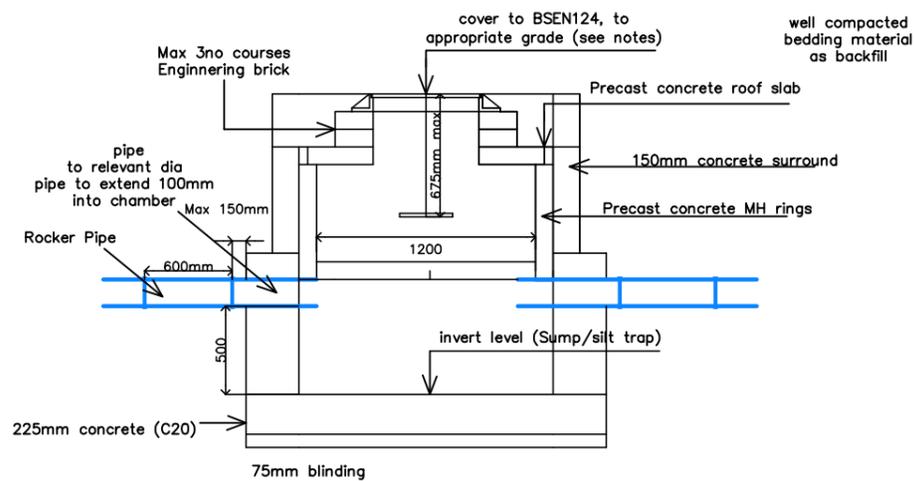
**TYPICAL ROAD DETAIL ADJACENT TO KERB**

**Road Gully with silt trap**  
Scale NTS

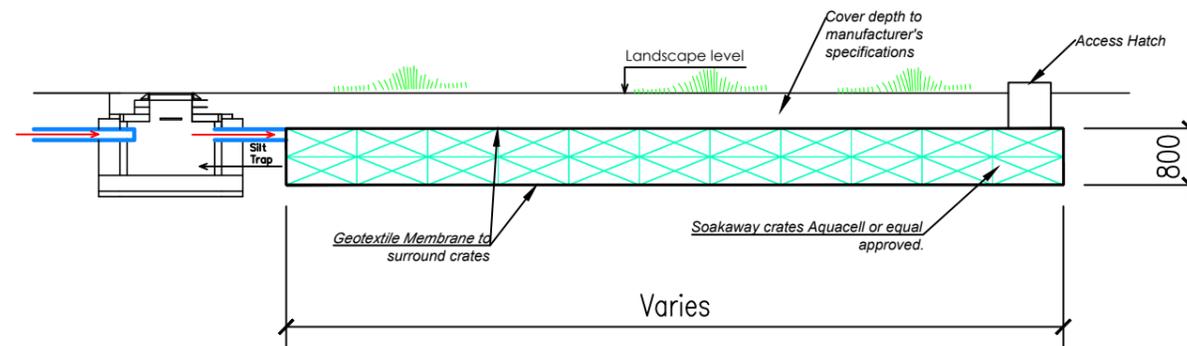


**GULLY GRATING DETAIL**

**Precast Manhole with silt trap**  
Scale NTS



**Soakaway Crate Details**  
Scale 1:100



*The Safety, Health and Welfare at Work (Construction) Regulations 2006-2020*  
 Notice to Client: The Client's attention is drawn to the above regulations and the legal obligations contained therein. The Client's responsibilities include, but are not limited to, the following:  
 The client must appoint, in writing, a Project Supervisor for the Design Process (PSDP) prior to the design phase of a project.  
 The Client must appoint, in writing, a Project Supervisor for the Construction Stage (PSCS) prior to any construction work being carried out.  
 The PSDP and PSCS must be suitably qualified to undertake their respective requirements.  
 The Client must receive, in writing, the acknowledgment of appointment of the PSDP and PSCS. All safety files and method statements must be kept by the client during and after the construction stage. The Client must notify the Health and Safety Authority where the construction works will take more than 300 person days, or take longer than 30 days.

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Rev	Date	Revision	Drwn	chkd

issue for: Planning

**ENGINEERING**  
**SURVEYING**  
**ARCHITECTURE**

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**Client:**  
Wrightwood Development Ltd

**Project Title:**  
New Development at  
Ardshanavooley, Killarney

**Drwg Title:**  
SUDs Details (1)

**Drwn by:** JON **Date:** Sept 2025  
**chkd by:** MC **Date:** Sept 2025

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