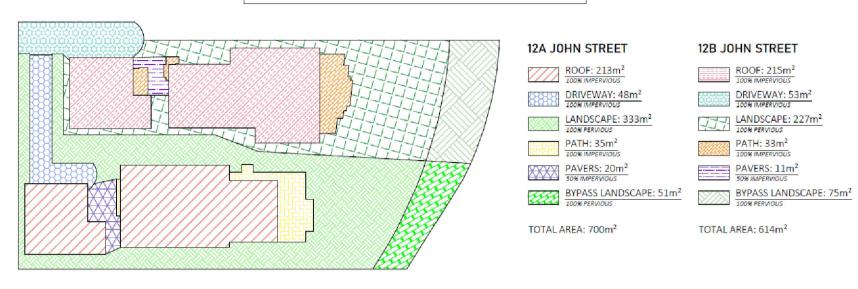
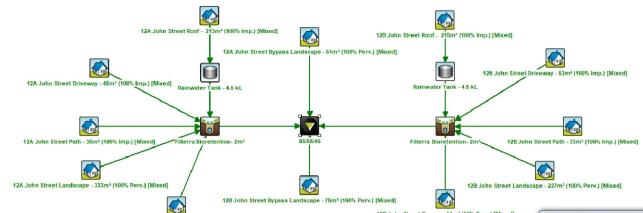


WSUD SITE AREA BREAK-UP 12A & 12B John Street, Avalon November 29, 2023

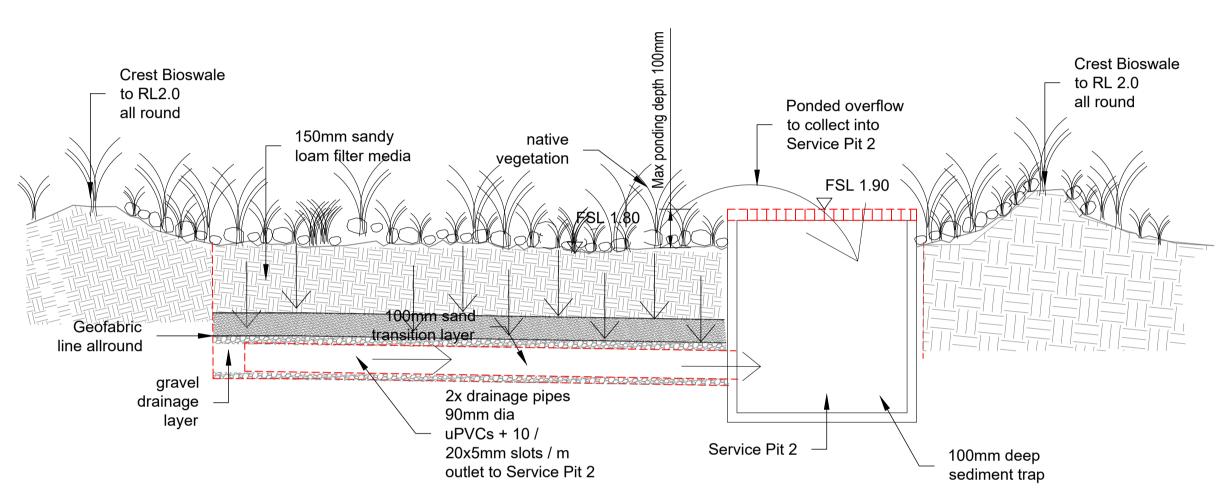




Flow (ML/yr)

2.0m2 BIORETENTION SYSTEM PLAN





MUSIC MODEL SUMMARY

by OCEAN PROTECT MUSIC Version 6.3.0

Rainfall Station 66062 Sydney Observatory Hill, 6 Minute Time Step 1981 To 1985 utilizing modified % impervious area, rainfall threshold, soil properties & pollutant concentration

No drainage routing between nodes.

12B JOHN STREET

DRIVEWAY: 53m²

PATH: 33m²
100% IMPERVIOUS

PAVERS: 11m²
50% IMPERVIOUS

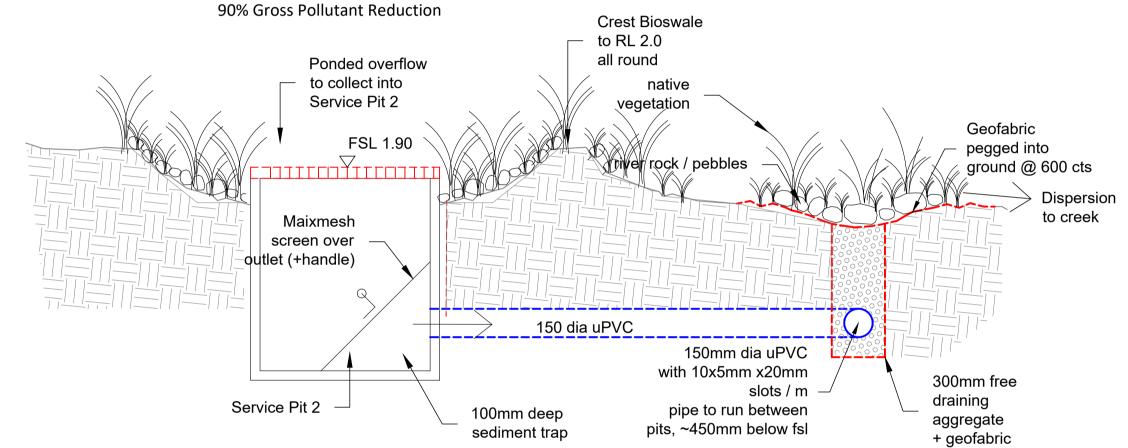
TOTAL AREA: 614m²

LANDSCAPE: 227m²

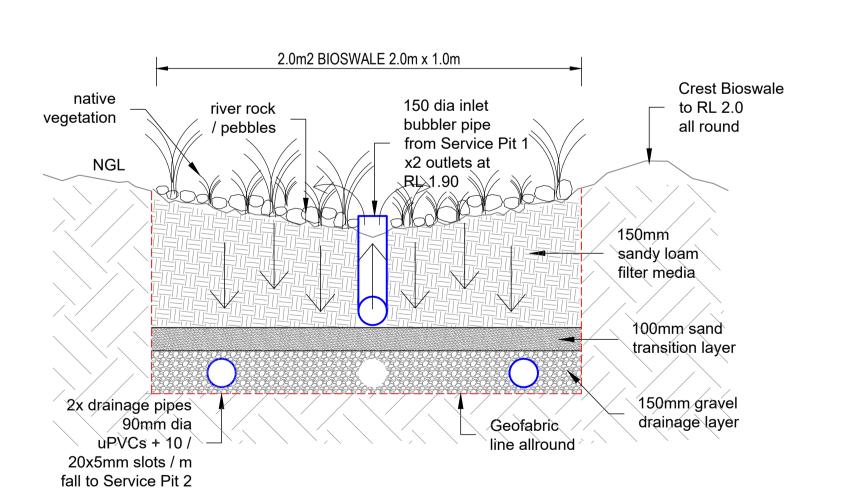
85% Total Suspended Solids Reduction

65% Total Phosphorus Reduction

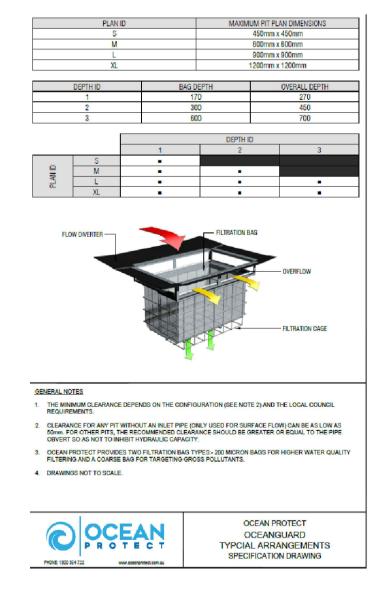
45% Total Nitrogen Reduction

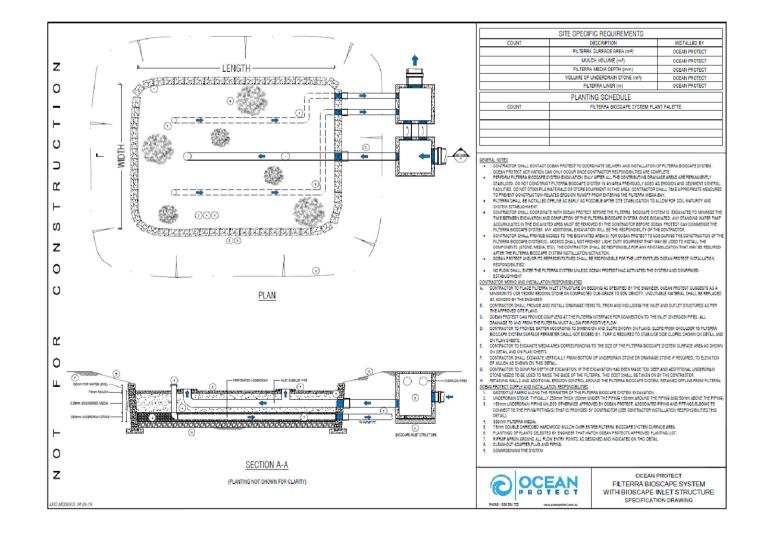


BIOSWALE LONG SECTION



BIOSWALE OUTLET / DISPERSION TRENCH DETAIL





FILTERRA BIOSCAPE SYSTEM

by OCEAN PROTECT

CROSS SECTION

BIORETENTION SYSTEM ~ 1:20

SUE:			Barrenjoey Consulting Engineers pty ltd Stormwater Structural Civil
	21. 03. 2025	Issued for DA submission	Stormwater Structural Civil
			PO Box 672
			Avalon NSW 2107
			M: 0418 620 330
			E: lucasbce@bigpond.com
			ABN: 13124694917
			ACN: 124694917

PROJECT:

PROPOSED NEW RESIDENCE 12B JOHN STREET AVALON

STORMWATER MANAGEMENT BIOSWALE PLAN & DETAILS

DRAWING:

Drawing No Job No: 181005_{25-12B} |SW2_{DA}

Document Certification Barrenjoey Consulting Engineers pty ltd LUCAS MOILOY MIEA CPENG NER Director

