

Car parking spaces to be surfaced with porous asphalt installed on cored concrete base

Permeable parking areas to act as surface water collection and discharge into granular attenuation storage below

Collector drain: 50mmØ perforated PVC or Polypropylene twin-walled pipe to be laid along bottom of subbase

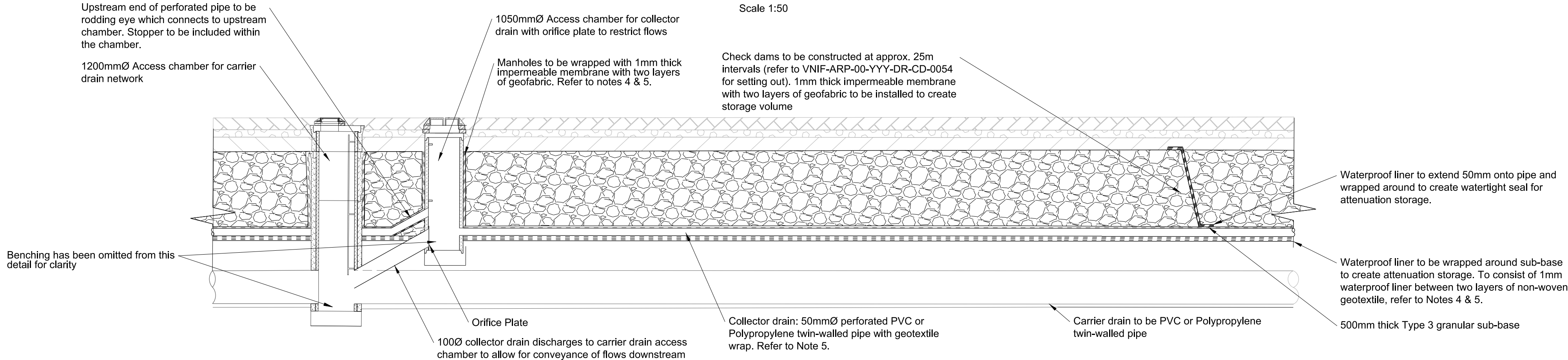
Carrier drain PVC or Polypropylene twin-walled pipe

Waterproof liner to be wrapped around sub-base to create attenuation storage. To consist of 1mm waterproof liner between two layers of non-woven geotextile. Refer to Notes 5 and 6.

500mm thick Type 3 granular sub-base

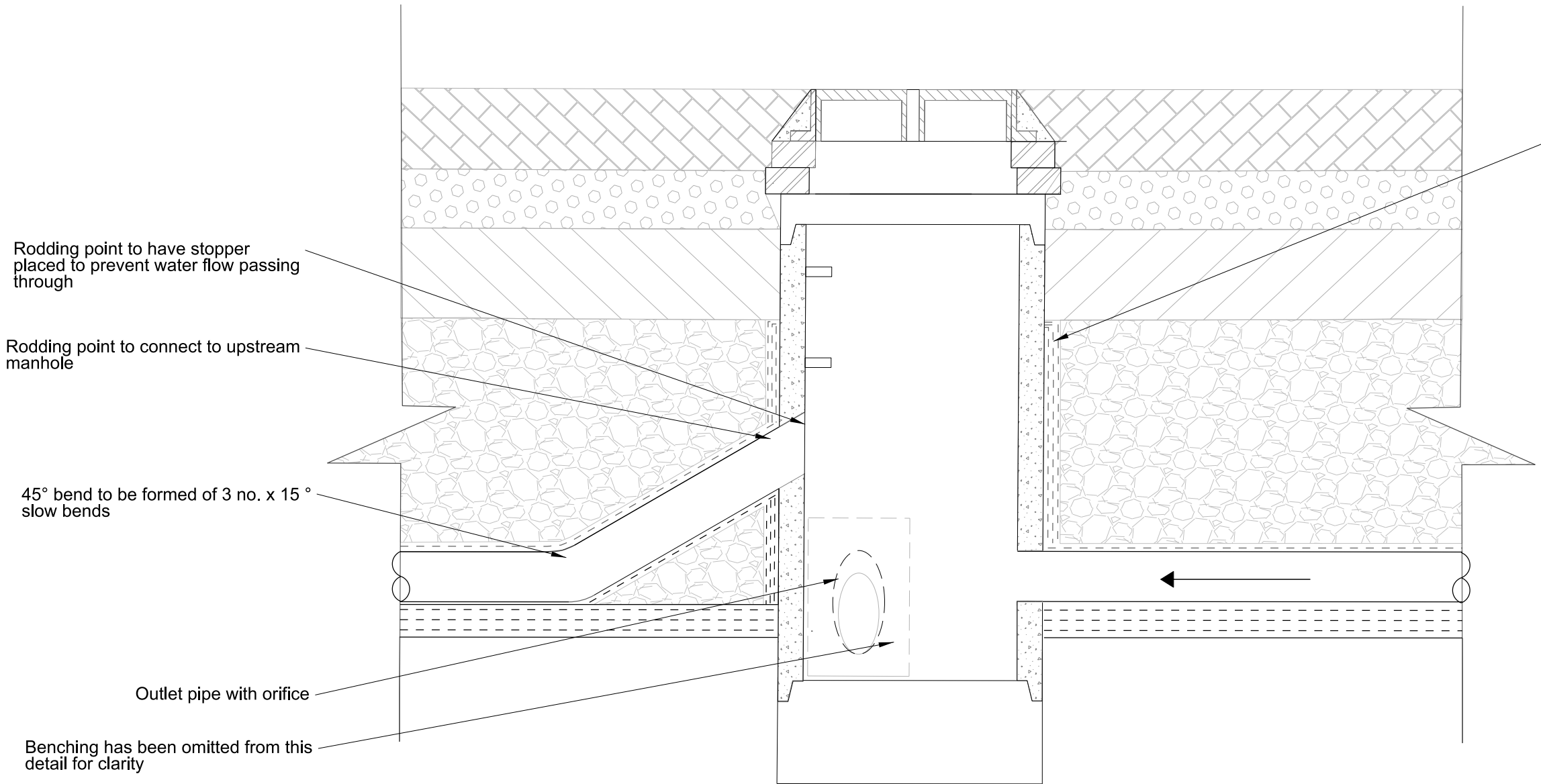
Plateau Avenue Typical Cross Section

Scale 1:50



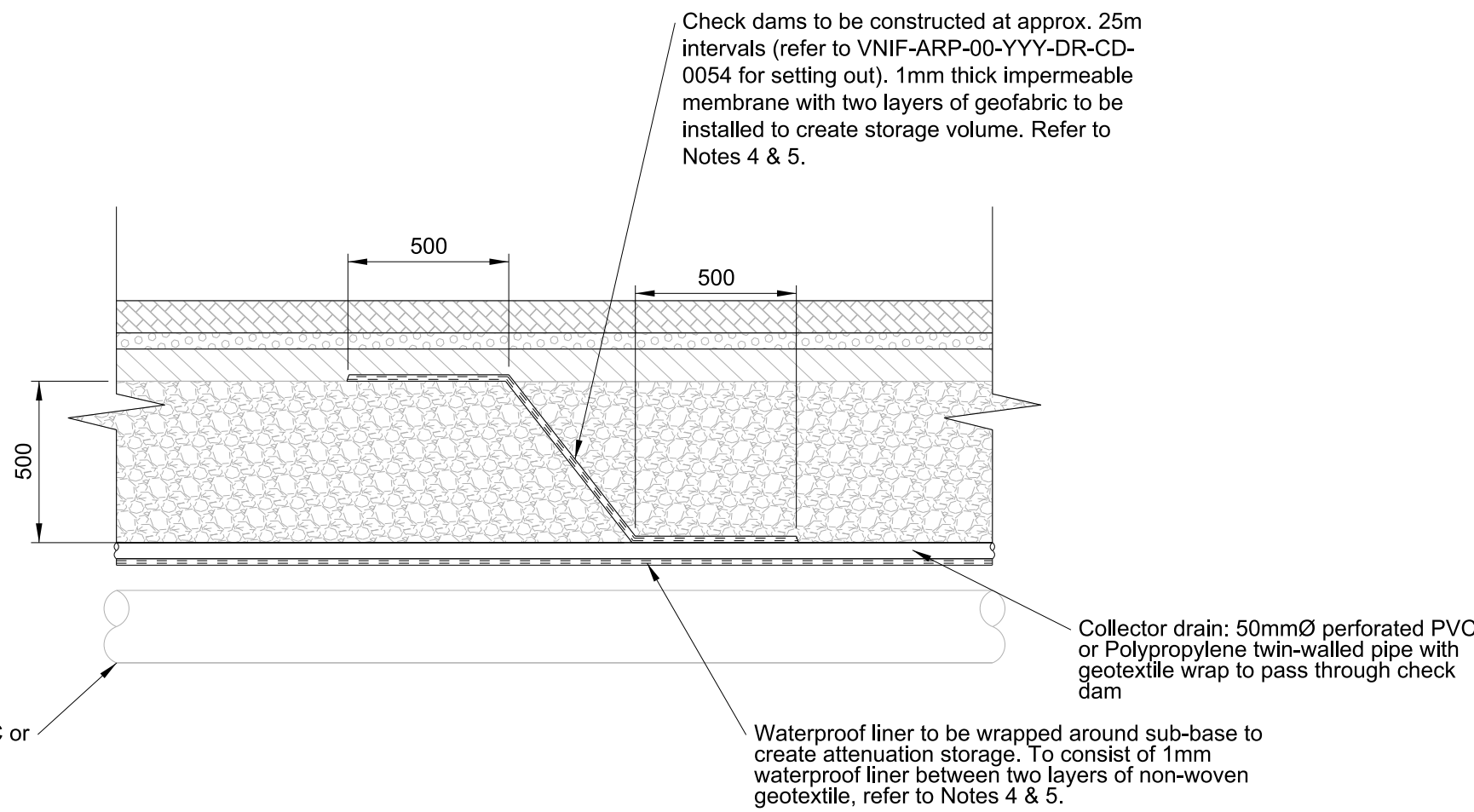
Plateau Avenue Typical Long Section

Scale 1:100
5x vertical exaggeration
(Long section taken down centreline of road)



Rodding Eye Within Chamber Detail

Scale 1:25
5x vertical exaggeration



Typical Lapping Detail

Scale 1:20

Notes

- All dimensions are in millimetres unless noted otherwise.
- All levels are given in metres (AOD).
- This drawing should be read in conjunction with all relevant drawings, schedules, details and specifications:
-VNIF-ARP-00-YYY-DR-CD-0001 to 0017
- Impermeable Membrane to be Polypropylene liner 1mm thick, 300m joints to manufacturers recommendation.
- Non-woven polypropylene geotextile (Terram T1000 GT or similar approved):
 - Tensile strength 8.0kN/m
 - Tensile elongation 60%
 - CBR puncture resistance 2kN
 - Mean pore size 75µm
 - Permeability (H50) 90l/m2.s
- For details on road build-ups refer to Highways Engineering drawings.

P01	17/12/21		DH	RG	RG	—
P02	11/03/22		DH	DH	RG	—
	22/07/22	WS4 Issue to BAM	DH	RG	LS	—
	08/08/22	Issued for Technical Approval	ES	DH	RG	—
	10/10/22	Full WS4 Issue	ES	DH	RG	—
P06	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

Permeable Paving Details

Scale at A1		AS SHOWN		Arup 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		---
Name							
VNIF - ARP - 00 - YYY - DR - CD - 0013							
Project	Originator	Volume	Location	Type	Role	Number	