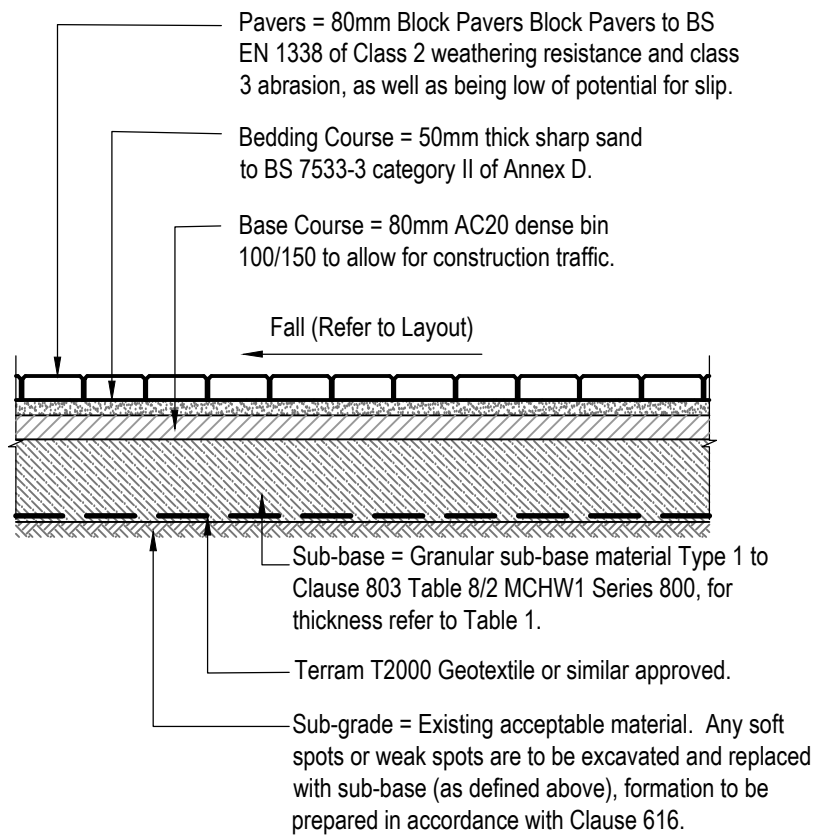
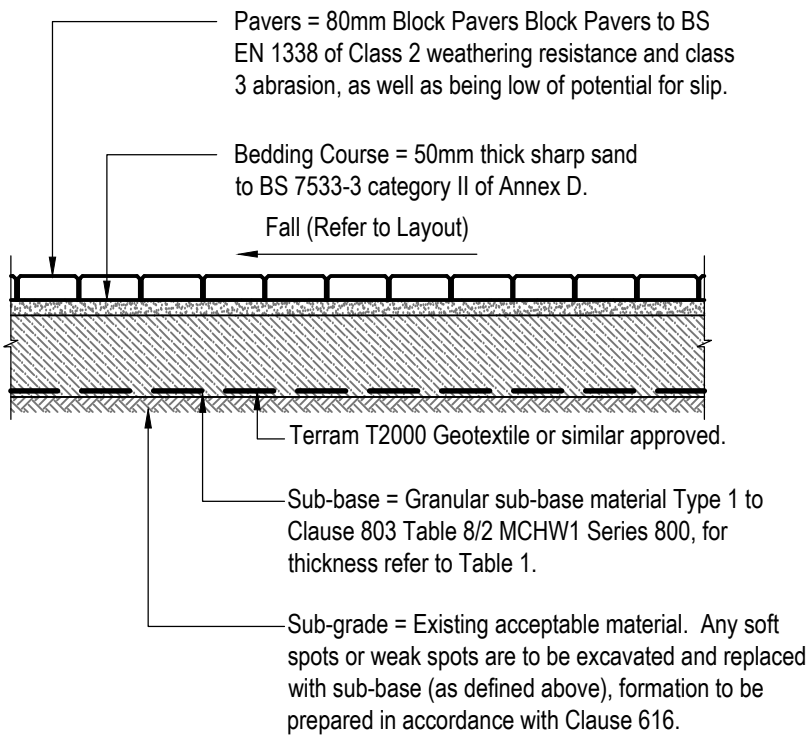




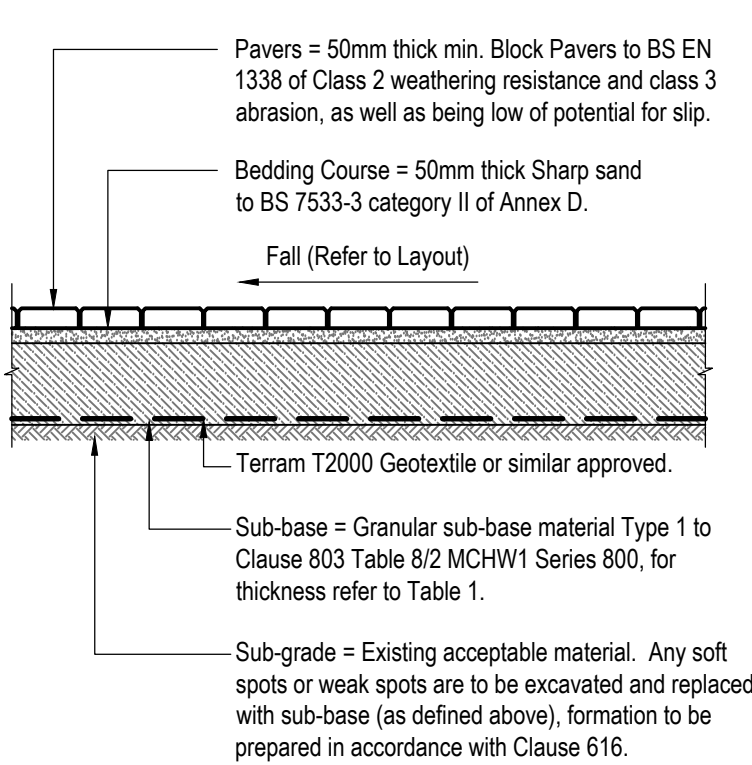
Impermeable Block Paved Parking Court Construction

Scale 1:25



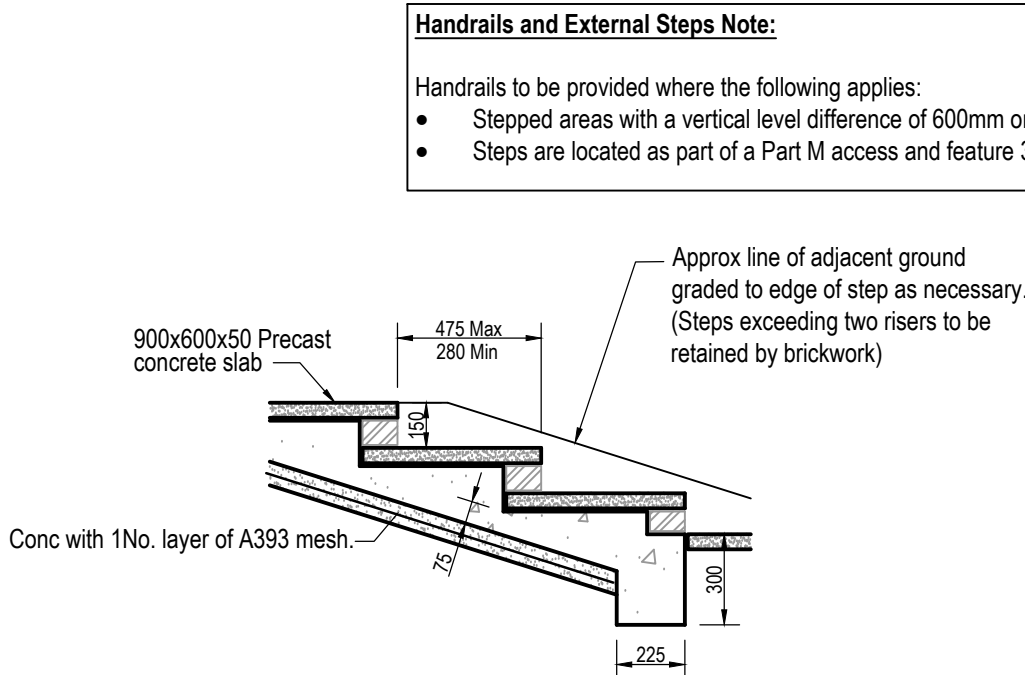
Impermeable Block Paved Shared Driveway Construction

Scale 1:25



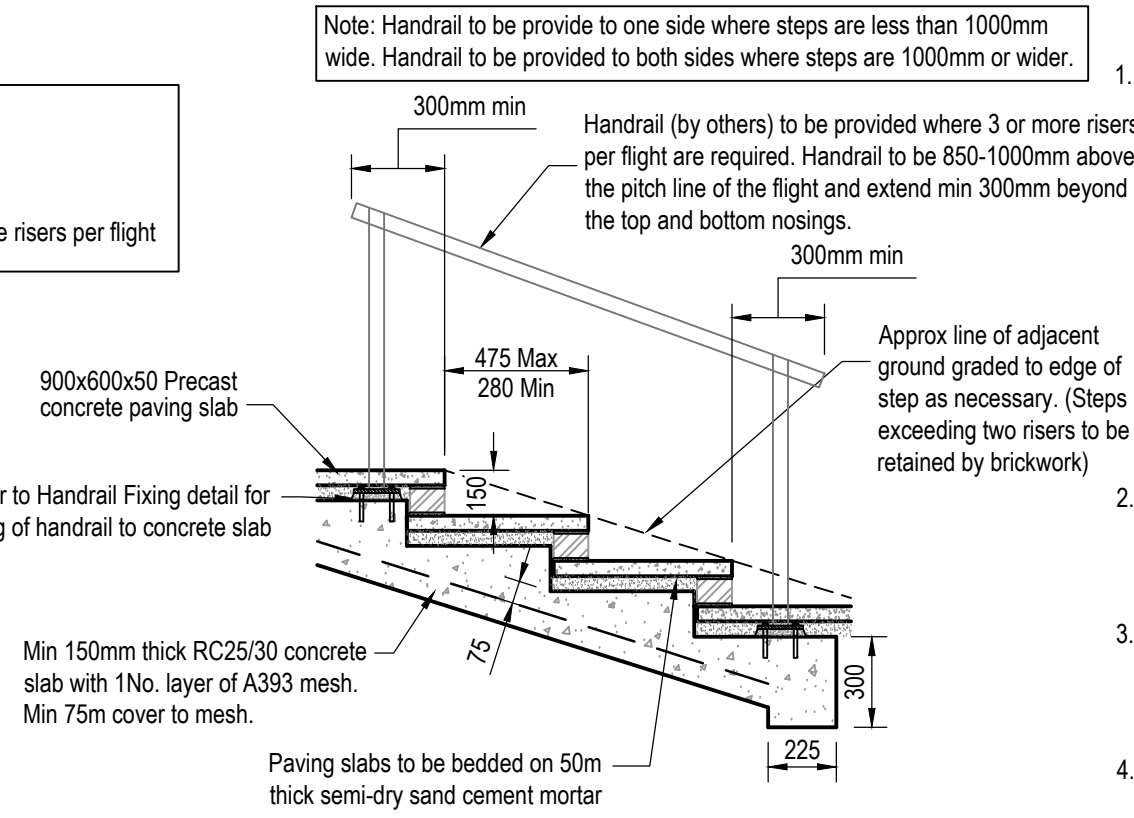
Impermeable Block Paved Private Driveway & Parking Bay Construction

Scale 1:25



External Steps Detail

Scale 1:25



External Steps with Handrail Detail

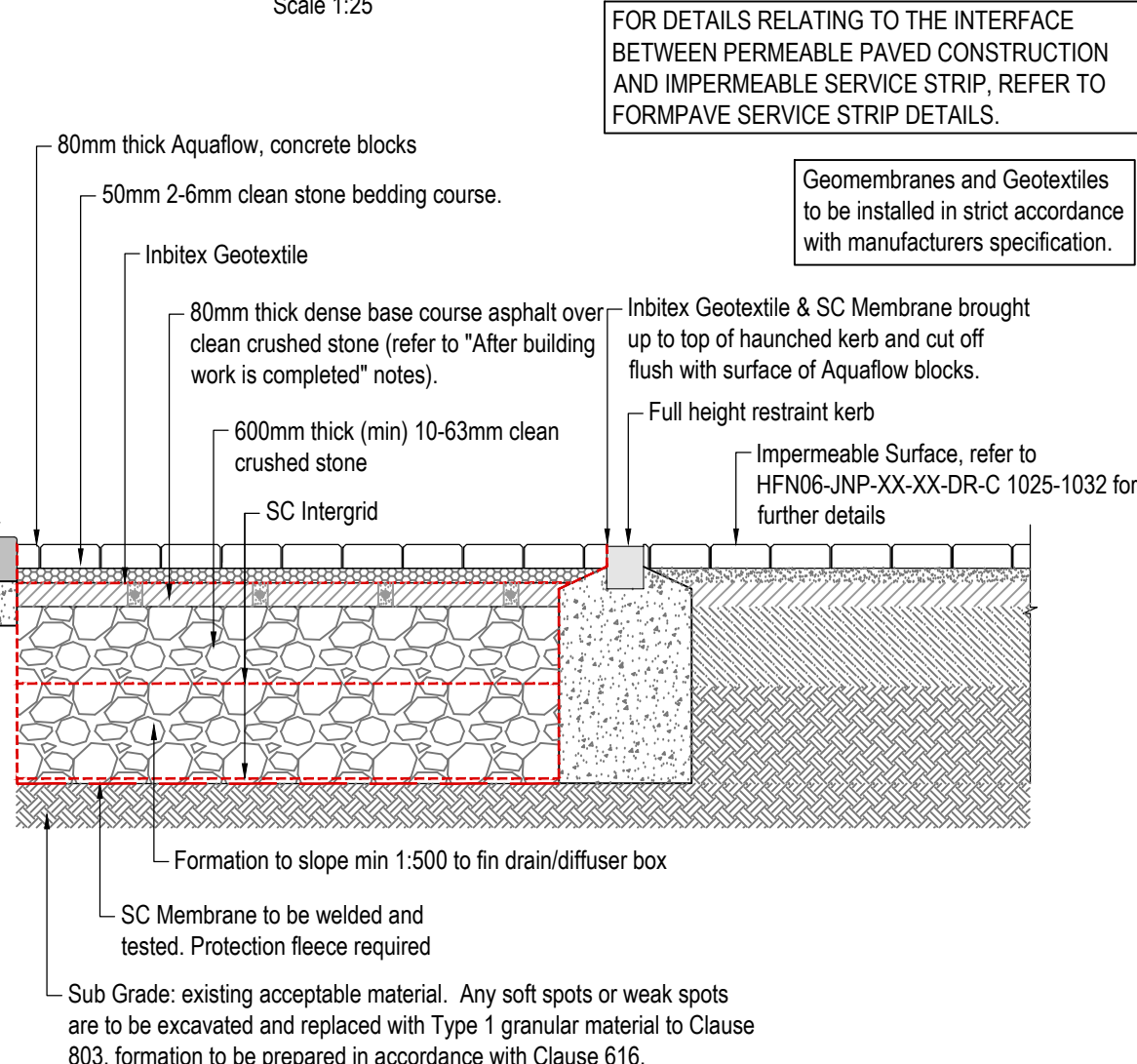
Scale 1:25

Table 1

California Bearing Ratio (CBR) Values	Minimum thickness (mm) of Type 1 sub-base (Consolidated in accordance with MCHW Volume 1 Clause 801, table 8/1)	
	Without Geogrid underneath	With Geogrid underneath
Less than 2%	N/A refer to specialist design	N/A refer to specialist design
2% - 3%	325	225
3% - 5%	250	150
5% - 7%	150	
7% - 20%	100	

Construction Notes:

- Eastwood Ground Investigation Ref. 41623 - 038 - Hogwood Farm - Parcel 6 SI - Issue 3 states CBR values 2% for Phase 5. **CBR values to be confirmed by on-site testing.** Where CBR's are less than 2% a specialist design is required.
- Sub-grade below construction = Existing acceptable material. Any soft spots or weak spots are to be excavated and replaced with sub-base (as defined above), formation to be prepared in accordance with Clause 616.
- In all cases overall road construction shall be a minimum of 450mm for frost susceptibility of sub-soils. Where the standard detail is less the sub-base thickness shall be increased as necessary.
- Specification for permeable sub-base and laying course - the crushed stone must possess well defined edges and have a minimum of 10% fines value of 150kN when tested in accordance with BS812 Part 111
- When laid to either 90 or 45 degrees herringbone pattern then the edge perimeter to be laid with one single row of stretcher bond set parallel to the edge restraint. Where block pavers are laid abutting drainage channels, gully grates and the like, the upper surface of the block pavers shall be set between 3mm and 6mm above the grating. Manufacturer's declared value markings W3 and S4 are acceptable if W3 is 1.0kg/m² or less and S4 is 45 or more based on 'C' scale unit' (with regard to abrasion, Class A2, no test result is greater than 23mm; and class A1 = no performance determined).
- Where geogrids are to be used these shall be designed by a specialist be installed in accordance accordingly to specialist specification.
- Wearing course colour to Architect's/Client's specification.



Parking Court / Shared Driveway Permeable Block Construction Detail

Scale 1:25

The 63-10mm material should be graded as follows:-

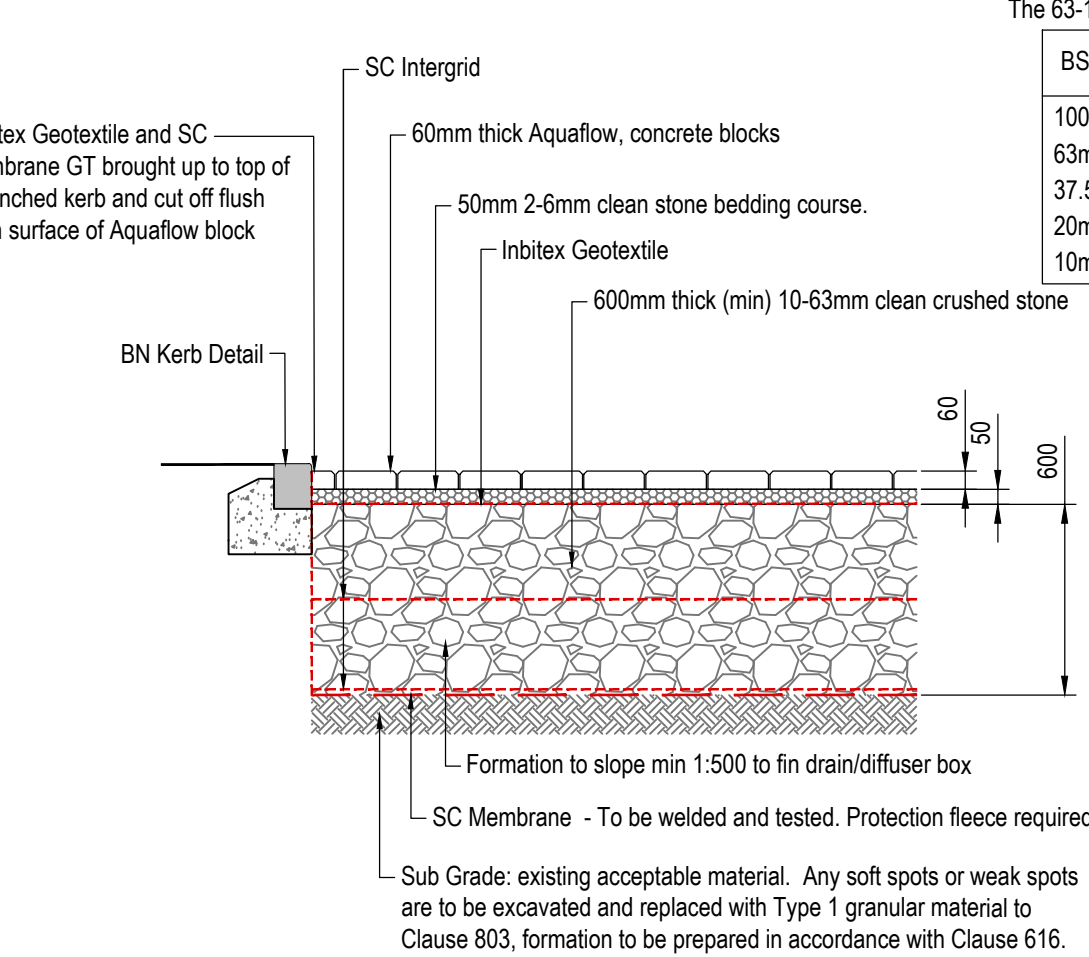
BS Sieve Size	% Passing
100mm	100
63mm	90-100
37.5mm	60-80
20mm	15-30
10mm	0-5

Permeable Block Paving Notes:

- Lay SC Membrane (1mm thick), Intergrid, and clean crushed stone.
- Lay minimum 80mm of dense bitumen macadam over clean crushed stone.

After building work is completed:

- Clean dense bitumen macadam surface.
- Cut 75mm diameter holes at 0.75 centres through the DBM surface into the clean crushed stone.
- Fill holes with 2-6mm clean crushed stone.
- Lay Inbitex, 2-6mm clean crushed stone laying course and Aquaflo Blocks.



Private Driveway / Parking Bay Permeable Block Construction Detail

Scale 1:25

General Notes

- Where this drawing has been issued in electronic .dwg format, it has been done so in good faith. JNP Group do not take any responsibility for any inaccuracies in the electronic data, which should be checked against the paper (or .pdf) drawing issue. Any apparent discrepancies should be immediately reported to JNP Group. The electronic .dwg file should not be assumed to be to scale and should not be used for 'overlaying', setting out or checking of any third party information. All dimensions should be taken from the paper (or .pdf) version of the drawing. Electronic drawings may contain third party information. JNP Group take no responsibility for this information, which should be checked against the originators paper drawing(s).
- All dimensions are millimetres (mm), and levels are in metres (m) unless noted otherwise and should be checked on site prior to construction/fabrication.
- Do not scale from this drawing. Only figured dimensions are to be relied upon. Don't hesitate to get in touch with JNP Group if additional information is required.
- Any discrepancies between drawings of different scales and between drawings and specifications, where appropriate, to be reported to JNP Group for decision.
- Copyright reserved. This drawing may only be used for The Client and location specified in the title block. It may not be copied or disclosed to any third party without the prior written consent of JNP Group.
- This drawing should only be used for construction if the drawing status is "A4 - Approved/Stage Complete". JNP Group takes no responsibility for construction works undertaken to drawings that are not marked with this status.

Health & Safety Note

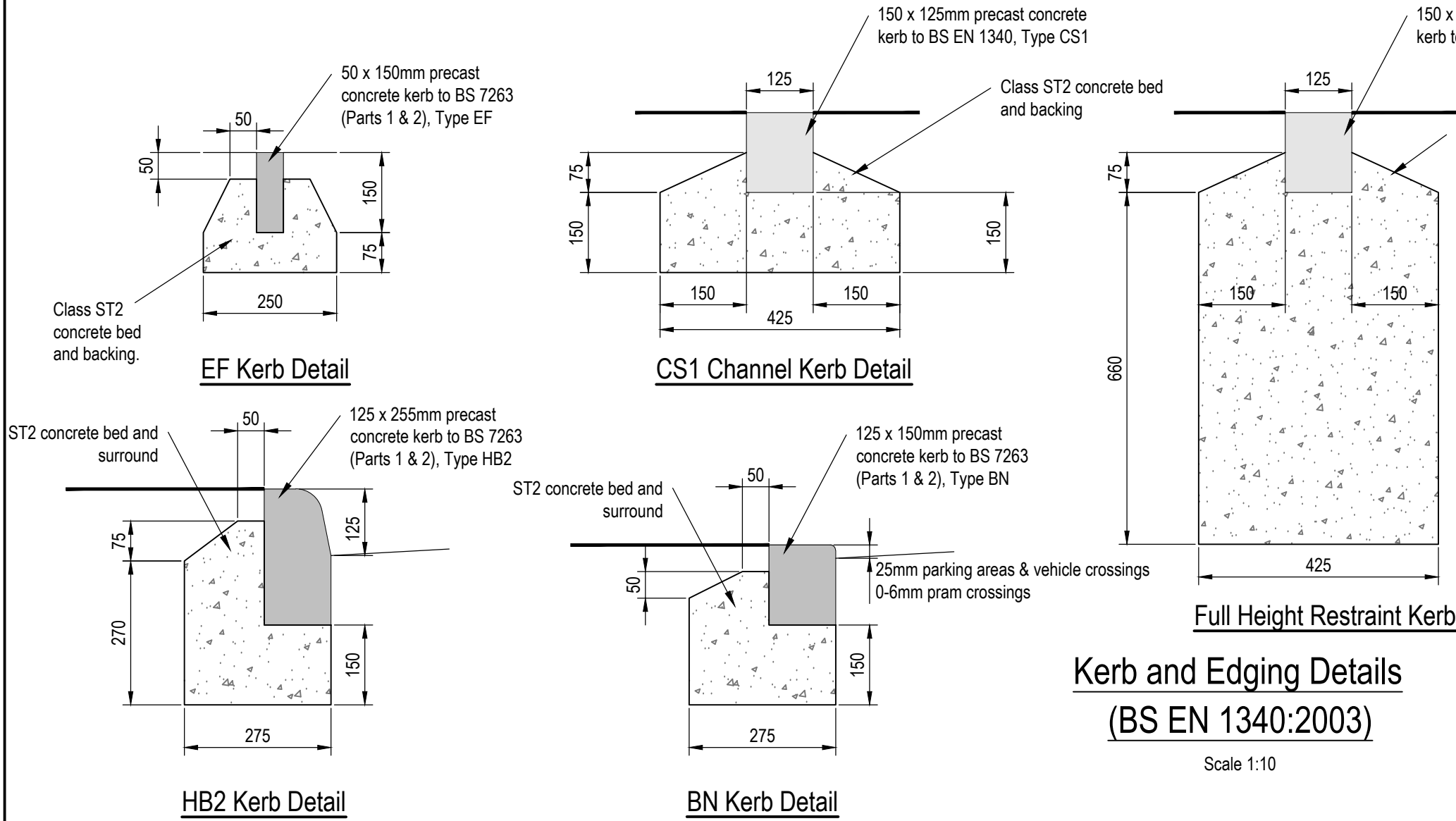
The details on this drawing have been prepared on the assumption that a competent contractor will be carrying out the works. If the contractor(s) considers that there is insufficient Health and Safety information on this drawing, this should immediately be brought to the attention of the designer.

Buried Concrete Notes

All buried concrete in shallow natural ground less than 3m below EGL to be Design Sulphate Class DS-1 and ACEC Class AC-1.

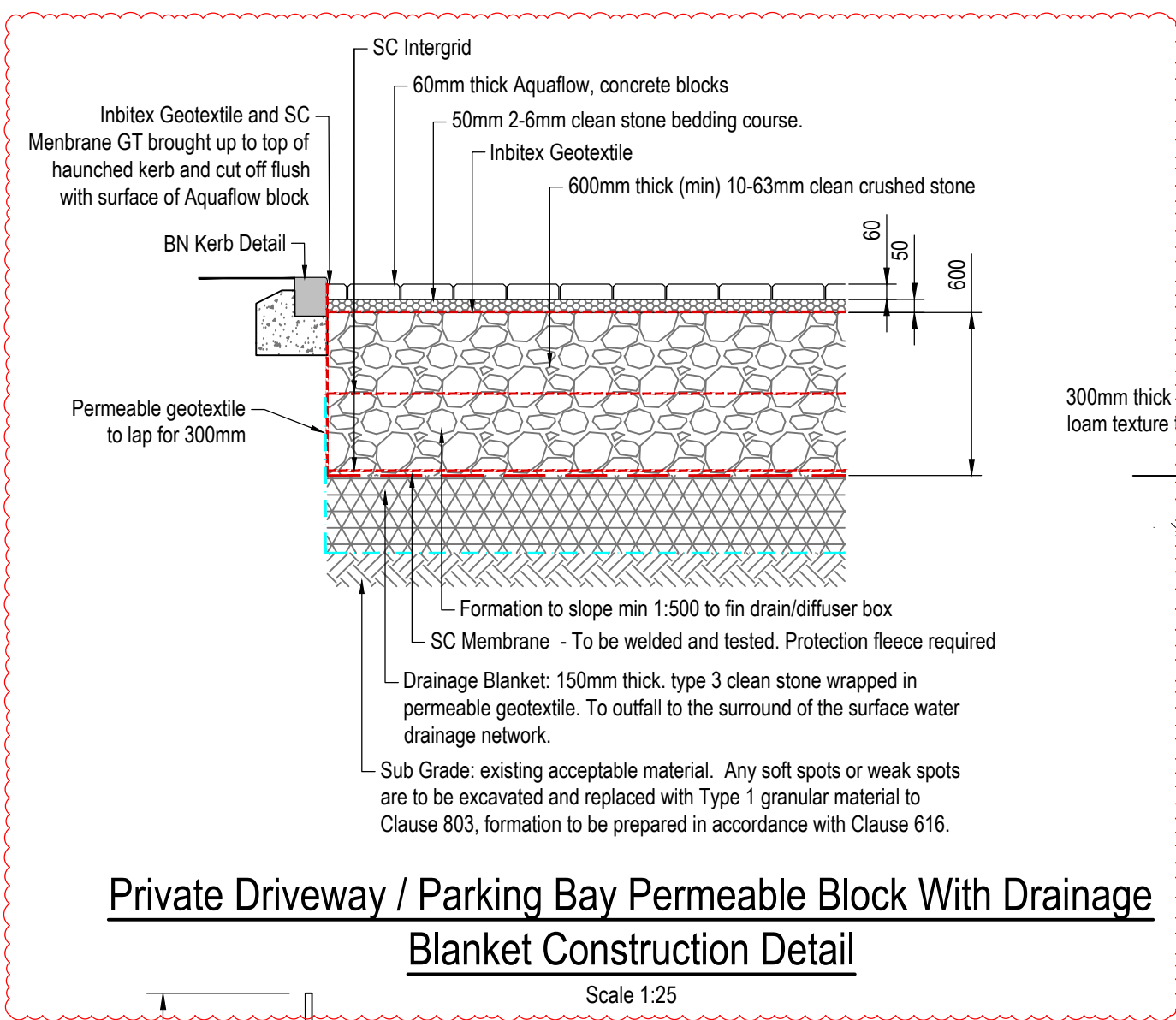
All buried concrete in natural ground deeper than 3m below EGL to be Design Sulphate Class DS-4 and ACEC Class AC-4.

Refer to ground investigation report by Eastwood Consulting Engineers Ref. 41623-038 Issue 3.



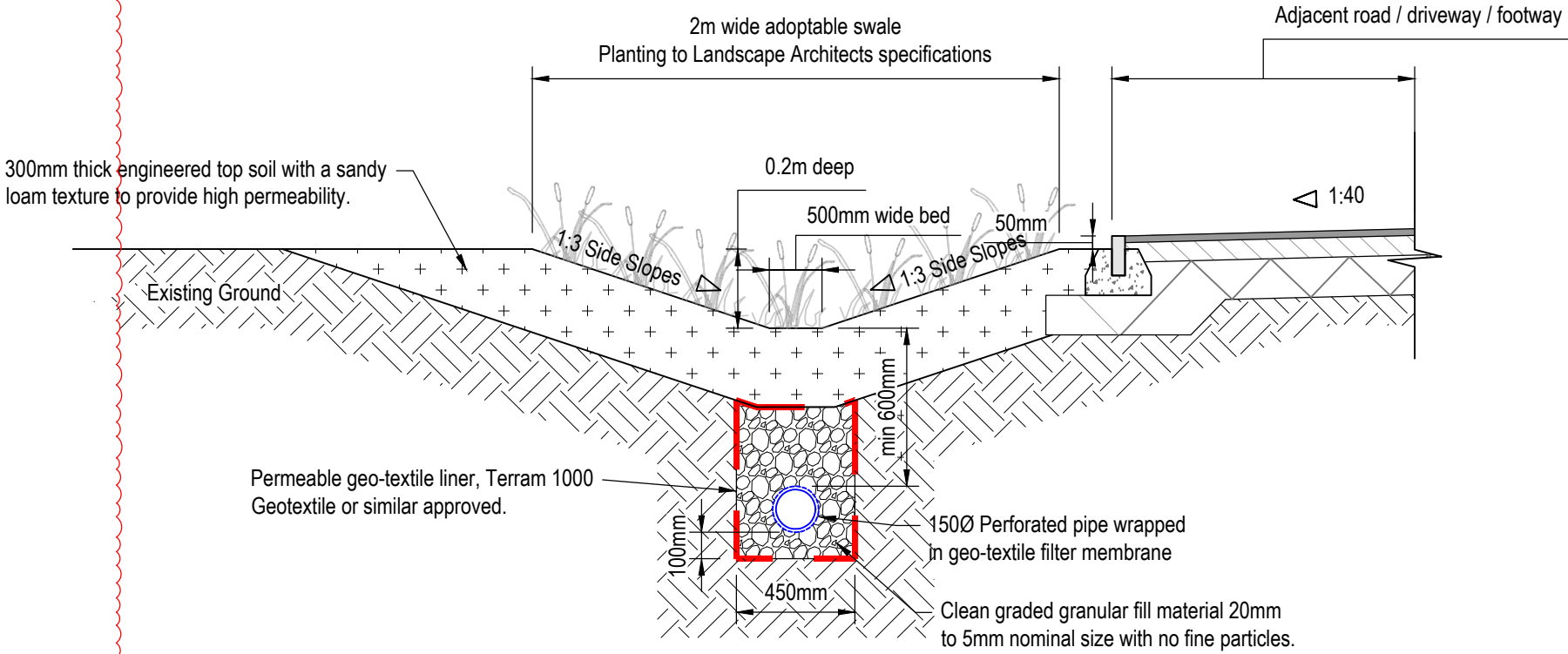
Kerb and Edging Details (BS EN 1340:2003)

Scale 1:10



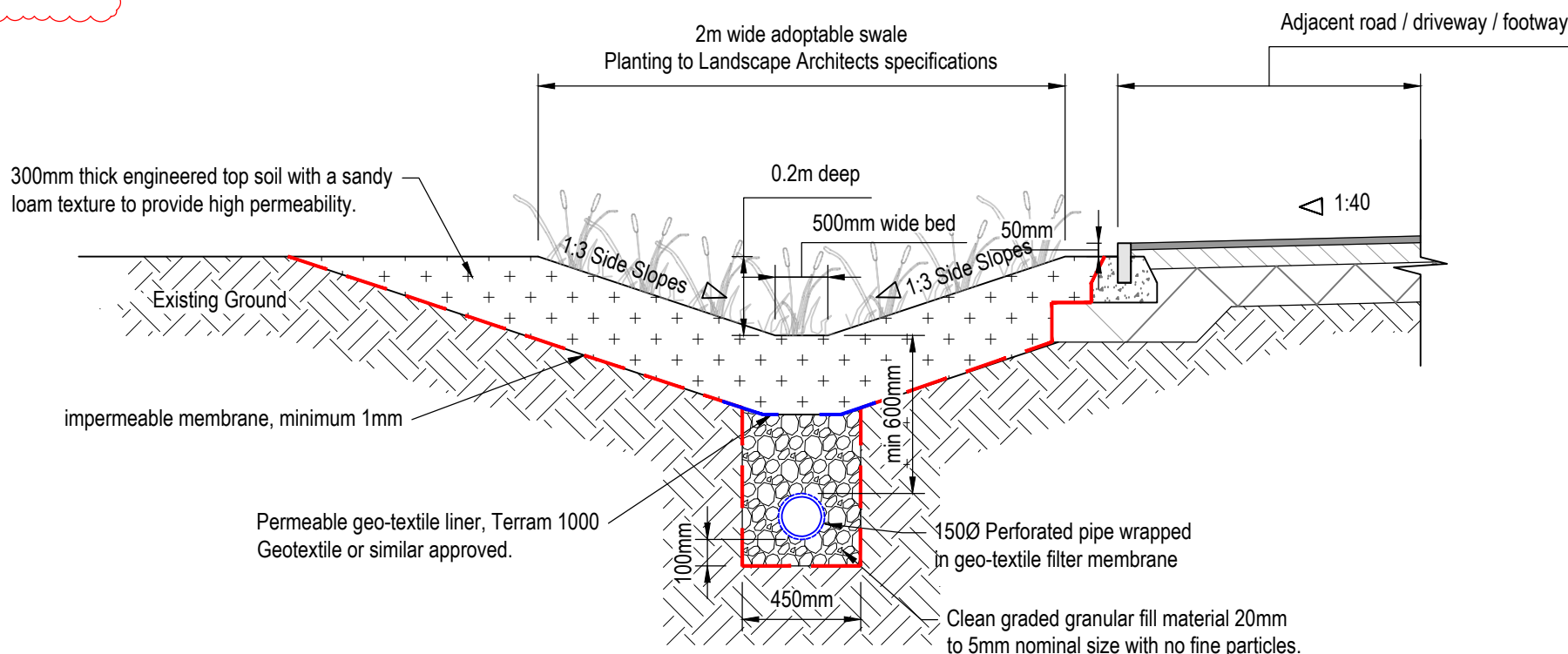
Private Driveway / Parking Bay Permeable Block With Drainage Blanket Construction Detail

Scale 1:25



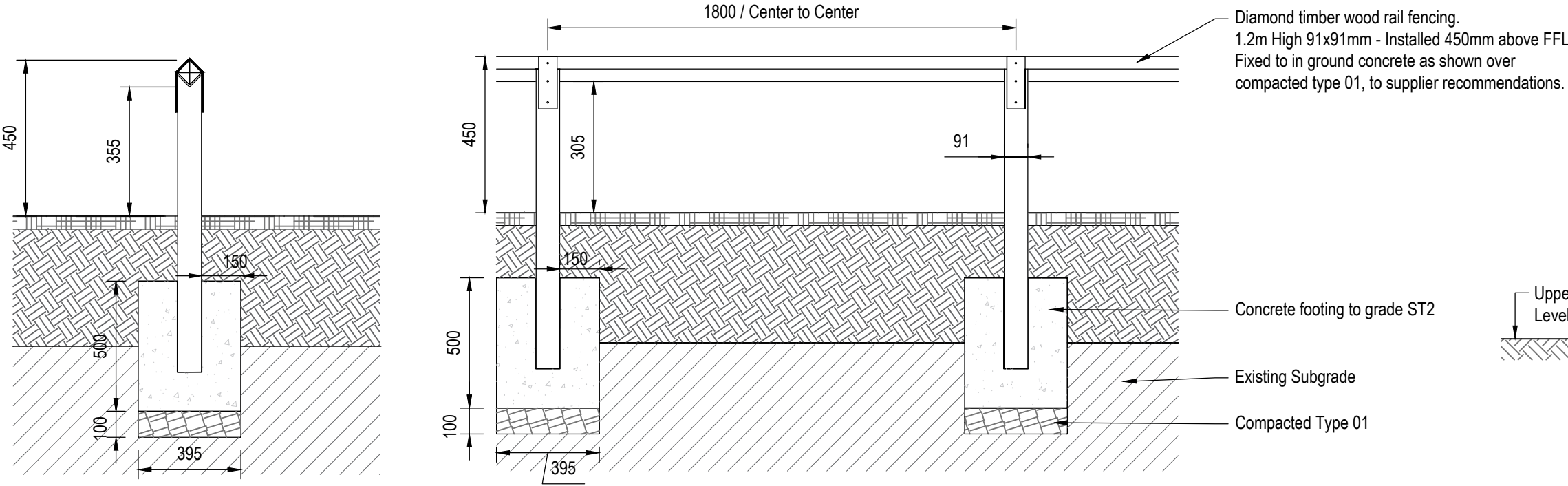
Typical Swale with Underdrain Detail

Scale 1:25



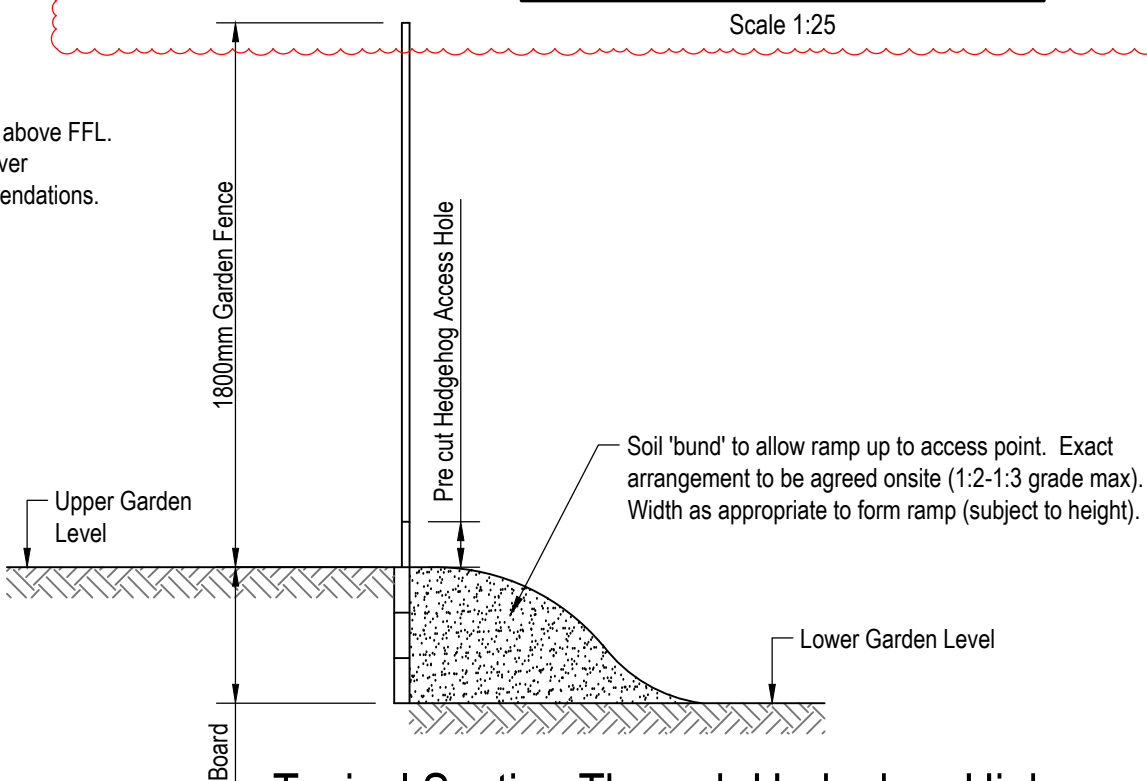
Typical Swale with Underdrain and impermeable membrane Detail

Scale 1:25



Timber Post and Rail Fence

Scale 1:20



Typical Section Through Hedgehog Highway (where there is a level difference between gardens)

Scale 1:25

Rev	Date	Description	Drawn / Checked / App'd
P04	11/05/2026	Private Driveway / Parking Bay Permeable Block With Drainage Blanket Construction Detail added, as clouded	JLNRSHRSH
P03	24/04/2025	Typical Swale with Underdrain and impermeable membrane Detail added.	JLNRSHRSH
P02	13/08/2025	Permeable Paving Construction Detail Updated	AKMKMK
P01	01/08/2025	First issue	AKMKMK

S4 - Suitable for Stage Approval



Client	Vistry Homes Thames Valley	Revision	P04
Job	Finchwood Park - Parcel 6	Project	HFNO6 -JNP-XX-XX-DR-C-1024
Title	Private External Works Construction Details Sheet 1 of 2	Classification	FL_60_20
Scale	As Shown	Scale	As Shown
Project	Originator - Volume/System - Level/Location - Type - Discipline - Number	Document	Document/Revision Number