On-Site Stormwater Dispersal Design Verification Method E1/VM1

1. SCOPE

It is the purpose of an on-site stormwater dispersal system to ensure hydraulic neutrality on every building lot. To this end the Council have accepted that design should be carried out utilising the verification method E1/VM1 of the New Zealand Building Code. In attenuating circumstances the following alternative design methods may be used. They are:

- Porous well liners for the construction of domestic on-site stormwater soakpits in the Whangamata sand-bar area (explained in Appendix I6B).
- Detention tanks. Particularly useful in impermeable areas or on properties with limited available area.

2. DESIGN AUTHORS

To ensure that the quality of design and construction remains consistent it is expected that each individual system must be designed by a chartered professional engineer (CPeng) or Council authorized producer statement author for on-site stormwater disposal systems. Details of the procedure to register as an authorized producer statement author may be obtained from the Council.

3. INVESTIGATION AND REPORT

The following information must be supplied to the Council by the designer in the form of a report for acceptance, prior to the construction of the system.

- A topographical description of the site.
- A geological description of the site.
- House roof plan.
- A photograph of the property and the bore/s site.
- A location plan of the property showing existing buildings, the proposed building location, the access and the proposed position of the soakpits.
- Test results, analysis, and system design based on E1/VM1.
- Producer statement covering the design of the specific system.