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Firth EcoPave® Permeable Paving System.....4

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1 LANDSCAPING

1.1 Preliminary

Refer to General Conditions of Contract and the Special Conditions in this Specification as appropriate. Read this section in conjunction with all other trade sections.

1.2 Compliance

Comply with the New Zealand Building Code 1992 including all revisions and amendments, Verification Methods where appropriate, and construction principles that are embodied in the Acceptable Solutions.

1.3 Firth EcoPave® Permeable Paving System

1.3.1 Scope

Supply and install Firth EcoPave® Ground Permeable Paving System, as specified herein, complete with EnviroMix base course and accessories, to the layout, levels and falls shown on the drawings. All aspects of this work shall be in accordance with the Firth EcoPave System Installation Guide (check www.firth.co.nz, call 0800 347841, or email info@firth.co.nz) and other product manufacturers' recommendations.

No substitutions are permitted for Firth Ecopave® Permeable Paving System.

1.3.2 Sub Grade Classification

Medium, CBR value 10.

1.3.3 Base Course System

125mm thick base course over Class C non-woven polypropylene geotextile filter fabric, lapped minimum 200mm, on 20mm sand blinding layer.

1.3.4 Paver

Firth FlowPave. 200 x 100 x 80mm deep units (50 units/m²). 5500mm/hr permeability rate. Available in two standard colour tones - 'Black Sands', 'Natural' - *to the colour specified*.

Colour Tone:

1.3.5 Paver Bedding & Jointing Material

20mm thick WPB7 drainage-chip bedding layer. WPB7 drainage-chip paver jointing fill. WPB7 bedding and jointing chip to comply with Firth EcoPave System Installation Guide, Sections 2.2.2 and 2.3.2.

1.3.6 Kerbing

Firth Road Kerb - Natural. Dimensions: 455mm long x 200mm high x 127mm deep (2.14 units/lm).

1.3.7 Sub-surface Drain

Novaflo 400 Series, 110mm diameter, punched single wall corrugated HDPE drainage pipe with polypropylene filter sock, or approved equivalent. Installed to the layout shown on the drawings and the manufacturer's recommendations.

1.3.8 Installation

Installation work shall be carried out by experienced installers, familiar with the specified products and techniques, in accordance with the Firth EcoPave System Installation Guide and as shown on the drawings.
Ensure all preliminary and preparatory works are completed prior to installation. Co-ordinate with other trades to ensure that all other required items are correctly installed and located as shown on the drawings.
Excavate and prepare as necessary the ground to the required levels, falls and layout as noted on the drawings.
Lay the specified geotextile filter cloth and EnviroMix concrete base course over the prepared sub-grade and lightly compact to the required levels and falls, overlay with geotextile filter cloth and cover with the specified bedding material, all to EcoPave requirements.
Install and compact the selected pavers and kerbs in accordance with NZS 3116:2002 and best practice, pavers laid to 45º Herringbone pattern. Neatly cut pavers as required to Firth recommendations.
Jointing material application and paver compaction to EcoPave recommendations. Finish paving clean and free of blemishes, do not compact pavers with jointing material on the paver surface, protect paving from damage until complete.
Upon completion check for faulty work and damage and replace as necessary, and ensure that all paver joints are full. Leave the finished paved area clean and remove all rubbish from site.

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