

APPENDIX 2

ENGINEERING DRAWINGS, SPECIFICATIONS AND REPORTS

DEVELOPER CHECKLIST

This checklist is to ensure that the Developer has assessed and completed the requirements necessary to ensure all details contained in the engineering plans, specifications and reports are correct.

The Developer is required to complete this checklist prior to submitting the engineering plans, specification and report to Council. This completed checklist forms part of the documentation required to be submitted with the engineering documents.

<u>Actions Required</u>	<u>Yes</u>	<u>No</u>	<u>Comment</u>
Has the Application Plan being updated to show any amendments requested by Council when the Development Concept Plan was accepted.			
<u>Earthworks</u> Has a detailed assessment being carried out by a person qualified to determine the suitability of the land for development in its natural state. The assessment is to include erosion risk, flooding potential, suitability for building, chemical contamination and earthquake loadings.			
Has the report detailing the assessment process and calculations being completed. The report is to include all associated reports undertaken by consultants or others as well as drilling logs and test results.			
Has the 'Tonkin & Taylor Report' being adhered to in relation to potential for slippage and erosion			
Has the proposed			

earthworks design being assessed to determine its acceptability in relation to the Engineering Standards for Land Development, all relevant standards and codes of practice.			
Has all landfill options being considered to ensure fill areas are minimised.			
Has all natural land surfaces being identified that are deemed unsuitable for development.			
Does all development land slope sufficiently towards the proposed road to provide for effective drainage runoff.			
<u>Roading</u> Has the District Plan and Table 3.1 of the Engineering Standards for Land Development being adhered to in relation to defining the Primary and Secondary Road Network			
Has a detailed calculation being made to determine the 'Estimated Dwelling Units in Catchment' (EDUC) and 'Estimated Personnel Employed' (EPE)			
Has the requirements for longitudinal gradients identified in the Engineering Standards for Land Development being adhered to.			
Has Austroads 'Guide to the Geometric Design of Major Urban Roads', the 'TNZ State Highway Geometric Design Manual' and the Engineering			

Standards for Land Development where applicable being used in the development design. This includes vertical and horizontal alignment, superelevation, intersections, cul de sacs and cut/fill batters.			
Has there being any deviation from the required standards.			
Has the structural road pavement design being undertaken in accordance with the Austroads Guide to the Structural Design of Road Pavements including the New Zealand supplement (AP-G17/04) and the Engineering Standards for Land Development where applicable.			
Has a design life of 50 years being adopted for flexible pavements			
<u>Kerb & Channel</u> Has the Engineering Standards for Land Development and relevant drawings being adopted for all design work.			
<u>Footpaths</u> Has Table 3.1 of the Engineering Standards for Land Development being adhered to in relation to footpath requirements.			
Have all proposed footpaths being located in accordance with the Engineering Standards for Land Development and relevant drawings.			
Have services being designed to not protrude out into any footpath.			

<u>Crossings</u> Have all crossings being located in accordance with the Engineering Standards for Land Development.			
<u>Business/Industrial Service Lanes</u> Have all service lanes being designed in accordance with the Engineering Standards for Land Development.			
<u>Parking and Bus Bays</u> Have all parking bays been designed in accordance with the Engineering Standards for Land Development.			
<u>Pedestrian Accessways and Cycleways</u> Have all pedestrian and cycle accessways been designed in accordance with the Engineering Standards for Land Development.			
<u>Access to all proposed Lots including Rear Lots</u> Have all accessways being designed in accordance with the Engineering Standards for Land Development and District Plan. The design is to include specified distances from roads and intersections.			
<u>Streetscape</u> Does the design conform to all requirements of the Engineering Standards for Land Development for topsoiling, grassing, planting, street name plates and medium strips.			
Have all the relevant standards being adhered			

to for street light design.			
Has street furniture being designed to conform to the Engineering Standards for Land Development.			