

## RELATED DOCUMENTS

The following documents are either referred to or have been used to produce this code.

### NEW ZEALAND STANDARDS:

AS1111:200	ISO metric hexagon bolts and screws
AS 1112:2000	ISO metric hexagon nuts
AS1397:2001	Steel sheet and strip - Hot-dipped zinc-coated or aluminium/zinc-coated
AS 1418:1996	Cranes (including hoists and winches)
AS 1627:1997	Metal finishing - Preparation and pre-treatment of surfaces
AS 4089:1993	Priming paint for steel, single component, general purpose.
AS 3735:2001	Concrete structures for retaining liquids
AS3828:1998	Guidelines for erection of building steelwork
AS NZS 1158: 1997	Road lighting - Lighting for roads and public spaces
AS NZS 1664:1997	Aluminium structures - Limit state design
AS NZS 1665:2004	Welding of aluminium structures
AS NZS 1734:1997	Aluminium and aluminium alloys - Flat sheets, coiled sheet and plate
AS NZS 2312:2002	Guide to the protection of structural steel against atmospheric corrosion by the use of protective coatings
AS NZS 3725:1989	Loads on buried concrete pipes.
AS NZS 3750	Paints for steel structures
AS NZS 4455:1997	Masonry units and segmental pavers
AS/NZS 4600:2005	Cold-formed steel structures
AS NZS 4680:2006	Hot-dip galvanized (zinc) coatings on fabricated ferrous articles
AS.NZS 1554:2006	Structural Steel Welding Set
NZS 1170:2002	Structural Design
NZS 1254:2002	PVC pipes and fittings for stormwater and surface water applications
NZS 2280:2004	Ductile iron pipes and fittings
NZS 3101:1995	Concrete structures standard - The design of concrete structures
NZS 3103:1991	Specification for sands for mortars and plasters
NZS 3104:2003	Specification for Concrete Production
NZS 3105:2007	Approval and test specification - Electrical portable outlet devices
NZS 3107:1978	Specification for pre-cast concrete drainage and pressure pipes
NZS 3109:1997	Concrete construction
NZS 3111:1986	Methods of test for water and aggregate for concrete
NZS 3112:1986	Methods of test for concrete - Tests relating to fresh concrete
NZS 3114:1987	Specification for concrete surface finishes
NZS 3121:1986	Specification for water and aggregate for concrete
NZS 3122:1995	Specification for Portland and blended cements (General and special purpose)
NZS 3404 1 & 2:1997	Steel Structures Standard
NZS 3501:1976	Specification for copper tubes for water, gas, and sanitation
NZS 3604:1999	Timber Framed Buildings

NZS 3607:1989	Specification for round and part-round timber fence posts
NZS 4158:2003	Thermal-bonded polymeric coatings on valves and fittings for water industry purposes
NZS 4203:1992	General structural design and design loadings for buildings
NZS 4210:2001	Masonry construction: Materials and workmanship
NZS 4229:1999	Concrete masonry buildings not requiring specific engineering design
NZS 4230:2004	Design of reinforced concrete masonry structures
NZS 4402:1988	Methods of testing soils for civil engineering purposes
NZS 4404:2004	Land development and subdivision engineering
NZS 4431:1989	Code of practice for earth fill for residential development
NZS 4442:1988	Welded steel pipes and fittings for water, sewage and medium pressure gas
NZS 4501:1972	Code of practice for the location marking of fire hydrants
NZS 4671:2001	Steel reinforcing materials
NZS 4672:2007	Steel pre-stressing materials
NZS 4702:1982	Metal-arc welding of grade 275 reinforcing bar
NZS 4711:1984	Qualification tests for metal-arc welders
NZS 6701:1983	Code of practice for road lighting
NZS 6801:1999	Acoustics - Measurement of sound
NZS 6802:1991	Assessment of environmental sound
NZS 6803:1999	Acoustics - Construction noise
NZS 6803P:1984	The measurement and assessment of noise from construction, maintenance and demolition work
NZS 750:1984	Specification for underground fire hydrants and surface box frames and covers
NZS 7601:1978	Specification for polyethylene pipe (Type 3) for cold water services
NZS 8630:2004	Tracks and outdoor visitor structures
SNZ HB 44:2001	Subdivision for people and the environment
SNZ PAS 4509:2003	New Zealand Fire Service Fire Fighting Water Supplies Code of Practice
ISO 14713:1999	Protection against corrosion of iron and steel in structures

**BRITISH STANDARDS**

BS 10:1962	Specification for flanges and bolting for pipes, valves, and fittings
BS 1010-2:1973	Specification for draw-off taps and stop valves for water services (screw-down pattern). Draw-off tap... and above-ground stop valves
BS EN 1011.1:1998 & .2:2001	Welding. Recommendations for welding of metallic materials.
BS 1560-3.2:1989	Circular flanges for pipes, valves and fittings (Class designated). Steel, cast iron and copper alloy flanges. Specification for cast iron flanges
BS 5154:1991	Specification for copper alloy globe, globe stop and check, check and gate valves
BS 5896:1980	Specification for high tensile steel wire and strand for the pre-stressing of concrete
BS 6572:1985	Specification for blue polyethylene pipes up to nominal size 63 for below ground use for potable water
NZS/BS 5163:1986	Specification for predominantly key-operated cast iron gate valves for waterworks purposes

**TRANSIT NEW ZEALAND SPECIFICATIONS**

NRB/MANZ Code of Practice Design for Urban Streets

NRB/NZ Counties Association: 1985 Guide to Geometric Standards for Rural Roads.

TNZ Standard Specification F2:2000	Subsoil drain construction.
TNZ Standard Specification M1:2006	Asphaltic Bitumens.
TNZ Standard Specification M4:2006	Base course Aggregate.
TNZ Standard Specification M6:2004	Sealing Chips.
TNZ Standard Specification M10:2005	Specification for Asphaltic Concrete.
TNZ Standard Specification P3:1995	First Coat Sealing
TNZ Standard Specification P4:1995	Resealing.
TNZ Standard Specification P9:1975	Construction of Asphaltic Concrete Paving.
TNZ Standard Specification T1:1977	Benkelman Beam Deflection Measurements.

Pavement Design- A guide to the structured Design of Road Pavements (Austroads 2004)

NZ Supplement to the 2004 Austroads Pavement Design Guide Oct 2005

Manual of Traffic Signs and Markings; Part 1 Traffic Signs; Transit New Zealand/ Ministry of Transport, 1992

Manual of Traffic Signs and Markings; Part 2 Markings; Transit New Zealand/Land Transport Safety Authority, 1994

TNZ Road Safety Audit Procedures for Projects Manual No. TFM9.

Austroads Guide to Traffic Engineering Practice AG- P11

Austroads Pavement Design Manual – A guide to the Structural Design of road pavements AP-G17

Clay Brick and Paver Institute Design Manual 1989

**STATUTES**

The Local Government Act 1974 and 2002.

The Resource Management Act 1991.

The Public Works Act 1981.

The Soil Conservation and Rivers Control Act 1941.

The Construction Contracts Act 2002

The Plumbers Gasfitters and Drainlayers Act 1976.

The Telecommunications Act 2001

The Electricity Act 1992.

The Gas Act 1992.

The Building Act 2004.

The Health and Safety in Employment Act 1992.

The Environment Act 1986.

The Conservation Act 1987

Climate Change Response Act 2002

Energy Efficiency and Conservation Act 2000

The Fencing Act 1978

Land Drainage Act 1908

Traffic Control Devices Rules 2004

**OTHER DOCUMENTS**

Wellington City Operative District Plan 27 July 2000.

Wellington Consolidated Bylaw

Wellington City Council's Code of Practice for Working on the Road August 2006.

Wellington City Council's draft Biodiversity Action Plan 2007

Guide to Geometric Standards for Rural Roads, 1985, prepared by New Zealand Counties Association for the National Roads Board New Zealand.

CBPI Design Manual 1, Clay segmental Pavements – A Design and Construction Guide for Sites Subjected to Vehicular and Pedestrian Traffic.

GWRC Publication Controlling problem weeds in riparian zones: Restore our riparian zones

GWRC publication Fish-friendly culverts and rock ramps in small streams

GWRC Managing your bush block; a guide to looking after indigenous forest remnants in the Wellington region.

Mark Davis & Colin Meurk Protecting and Restoring our natural heritage – a practical guide.

Wellington City Council's Tree Preservation Guidelines

Auckland Regional Councils document TP131 Fish Passage Guidelines for the Auckland Region 2000.

Department of Conservation 2000 Protecting and Restoring our natural heritage – a practical guide.

Wellington City Council's Playgrounds Policy (December 2002)

GWRC's document "Managing your bush block; a guide to looking after indigenous forest remnants in the Wellington region"

**DEFINITIONS**

Unless the context indicates otherwise:

- “ALTERNATIVE SOLUTIONS”** shall mean options that achieve the bottom line standards Council require. Council will consider alternative solutions that meet these bottom line standards and are fit for purpose. Previously these standards have been met with traditional techniques.
- “APPROVED”** shall mean approved by the respective Council Representative.
- “CONTRACTOR”** shall mean the party undertaking work for Council or the party whose quotation/tender has been accepted by the Council.
- “COUNCIL”** shall mean the Wellington City Council.
- “COUNCIL REPRESENTATIVE”** shall mean the delegated Council officer for that aspect of the development.
- “DISTRICT PLAN”** shall mean the District Plan as defined by the Resource Management Act, 1991.
- “CHARTERED PROFESSIONAL ENGINEER”** shall mean a qualified Engineer registered as a current and competent practitioner within a specific field of engineering discipline under the Chartered Professional Engineers Act of New Zealand 2002.
- “RURAL” LAND** shall be defined by the District Plan.
- “SUBDIVIDER”** shall mean either the person/s who are the registered proprietors of the land to be subdivided in terms of the Resource Management Act or in the case of development without subdivision shall mean the person/s who are the registered proprietors of the land in respect of which construction works are to be or a being undertaken.
- “SUBDIVISION”** shall mean the Subdivision of land as defined in the Resource Management Act, Section 218.
- “URBAN” LAND** shall be any land not defined as Rural.