

**PART 1: GENERAL REQUIREMENTS AND PROCEDURES****1.1      Scope – No change****1.2      Interpretation – No change****1.2.1     General – No change****1.2.2      **Statutory requirements****

Note

This Supplement Document forms part of NZS 4404 for Wanganui District Council (WDC).

**1.2.3      **Definitions****

Add the following new definitions:

- **AUTHORISED OFFICER** – the Authorised officer for Wanganui District Council for approving engineering plans is the Council's Subdivision Engineer or as delegated by WDC.
- **DESIGNER/DESIGN ENGINEER** - the Designer/Design Engineer shall be a person with experience and capable of signing off producer statements.
- **SUITABLY QUALIFIED DESIGN PROFESSIONAL** – As defined in the "Guidance on Use of Producer Statements" document – See Addendum 8.
- **SUITABLY QUALIFIED PROFESSIONAL** – See above.
- **THE WDC** will approve suitably qualified persons.
- **EARTHWORKS**: volume greater than 100m<sup>2</sup> and 600mm deep.

**1.2.4     Abbreviations – No change****1.3        **Relationship with Resource Management Act 1991 and Building Act 2004******1.3.1     Resource Management Act – No change****1.3.2      **Building Act****

Any reference to Act covers latest legal legislation.

**1.4        Requirements for design and construction – No change****1.5        **Approval of design and construction******1.5.1      **Documents to be submitted for design approval******1.5.1.1    **Add the following paragraph:****

At concept stage sufficient detail needs to be submitted so that WDC can be assured that the subdivision is functional and meets the required standards.

**1.5.2      **Drawings****

**1.5.2.1 General**

Add the following:

1. See legend of line type and symbols in Appendix A.

**1.5.2.1 General**

Add the following sentence:

As Built drawings shall be submitted in accordance with Appendix J. Electronically to Council on a CD or DVD in DXF or PDF format.

**1.5.2.2 Composition of drawings**

Add the following sentences:

- (e) All levels to be shown on a plan shall be in terms of a recognised datum. The following hierarchical precedence is currently in effect for datums.

1. City datum
2. New Zealand Vertical Datum 2009 (NZVD 2009)  
**Note:** NZVD 2009 = Moturiki 1953 + 0.24m; or  
NZVD 2009 = City Datum + 0.30m
3. The recognised LINZ mean sea level datum i.e. Moturiki Datum 1953 or Wellington Level Datum 1953 or New Zealand Geodetic Datum 2000 (NZGD2000)
4. Assumed datum with easily recognised origin (i.e. Manhole lid and invert level)
5. A local peg is only acceptable in rural areas.

Note: City datum = Moturiki— 0.06m

**Level Control**

On each development in excess of 7 lots, and, where a road is required to service the lots, and there is an existing Wanganui City or Land Information New Zealand level Bench Mark within 500m of the intersection of the new road with the existing road, the developer shall arrange with the surveyor to install within the new road reserve, (in a position that will remain free from disturbance and as part of the survey traverse network), a permanent Reference Mark set in a concrete block of 300mm square and 450mm deep.

The mark is to be either a Land Information New Zealand bronze plaque or a stainless steel pin complying with the Land Information New Zealand Geodetic standards.

The mark so placed is to be levelled in terms of the adjacent Bench Mark to Land Information New Zealand 2<sup>nd</sup> Order Standards. The level is to be shown in Wanganui City Datum on the as built plans supplied to the WDC at the completion of the development.

Where there is no existing Bench Mark within 500m of the development, a mark as described above is to be placed for future expansion to the level network.

**1.5.2.2(b) Composition of Drawings**

Add the following clause:

Detailed plans are required for each service on a separate sheet. A general arrangement plan to show all services should also be provided.

**1.5.2.3 Scale**

Add the following sentence:

WDC requires plans to be in 1:500 scale.

**1.5.2.4 Content of drawings – No change****1.5.2.5 Recording of work – as-built information – No change****1.5.3 Design basis for documents submitted for approval – No change****1.5.3.1 Standard design basis – No change****1.5.3.2 Alternative design basis – No change****1.5.3.3 Cost benefit of life cycle costing**

Add the following clause:

WDC require that the designer ensure that their design promotes minimum maintenance costs. This applies to all references relating to lifecycle cost throughout NZS 4404.

**1.5.4 Approval of design – No change****1.5.4.1 Add comment**

The WDC require 3 sets of drawings for approval. One signed approved set will be returned to the developer. This matches the Building Consent approval process.

**1.5.4.2 Approval before commencing work – No change****1.5.5 Notification of contracts and phases of work – No change****1.5.6 Supervision of work**

Replace the second paragraph

WDC will require completion certification. The certificates shall be in the form given in Schedules 1B and 1C.

**1.5.7 Connecting to existing services – No change****1.5.8 Testing – No change****1.5.9 Maintenance – No change****1.5.10 Completion documentation – No change****1.5.11 Approval of uncompleted work – No change****1.6 Bonds and charges – No change****1.7 Add the following new clause:****1.7 Performance Bond**

The WDC will, at S224 approval stage, require a two year performance bond from the Developer, effective from the time of issue of the Section 224 Certificate. WDC may call upon the applicant to meet the costs of any failure of the road or public services, which can be attributed to faults in the design, or construction of the development.

**1.8 Add the following new clause:****1.8 Levels of Service**

For Levels of Service refer to the WDC Ten Year Plan, Volume 2, Annual Plan, Policies.

**1.9 Add the following new clause:**

**1.9 Other Services**

- 1.9.1 Rail  
Subdivisions adjoining or crossing a rail line will require the necessary approval from Ontrack (Zealand Railways Corporation).
- 1.9.2 Airports  
Subdivisions adjoining or crossing an airport will require the necessary approval from the Airport Authority.
- 1.9.3 State Highway  
Subdivisions adjoining or crossing a state highway will require the necessary approval from the State Highway Authority.

**1.10 Add the following new clause:**

**1.10 Health & Safety**

No development works are to commence until the developer has identified all potential hazards, and formulated a Health and Safety Plan to address these hazards and all other requirements of the Health and Safety in Employment Act.

**Schedule 1D Schedule 1D As-Built Plans**

See Appendix J for the new Schedule 1D.