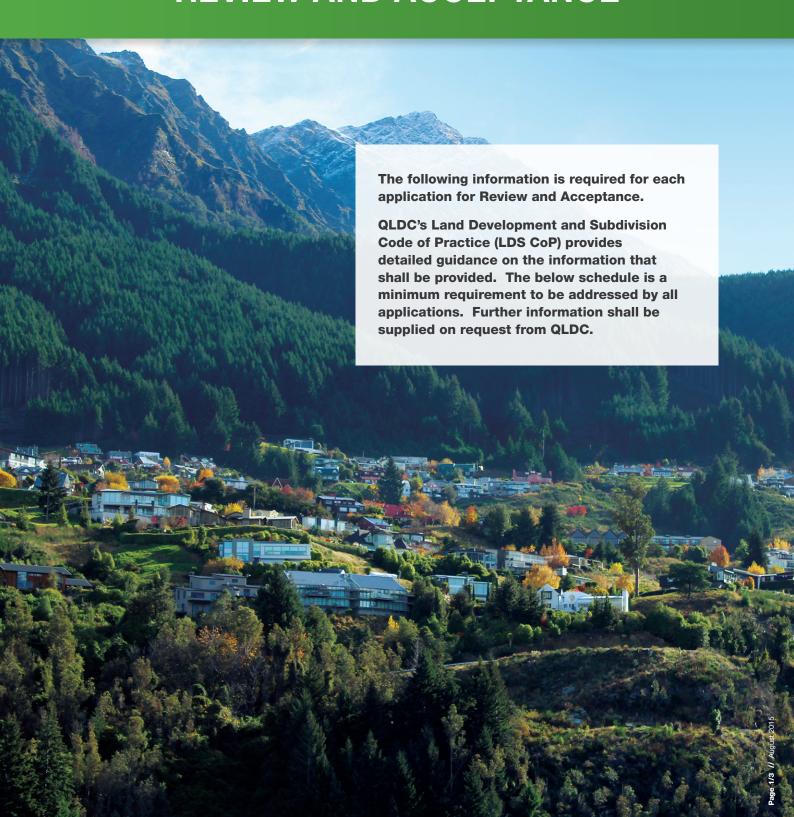


#### PRACTICE NOTE RESOURCE MANAGEMENT ENGINEERING 002/2015

# INFORMATION REQUIREMENTS FOR DOCUMENTS SUBMITTED FOR REVIEW AND ACCEPTANCE



### **GENERAL**

# **EARTHWORKS**

**ROADING** 

- All applications shall be sent to engineeringapprovals@qldc.govt.nz
- · Completed application form and associated fee
- Cover letter identifying resource consent conditions for which engineering review is requested and detailing how these conditions have been satisfied
- Confirmation that all elements have been designed in accordance with QLDC's Land Development and Subdivision Code of Practice. For elements that are not in accordance with QLDC's Code of Practice or are an alternative solution these shall be listed separately with a brief description of each
- Schedule 1A design certificate for each individual discipline
- Design and construction documentation including drawings, specification and calculations
- Copies of any expert hazard/geotechnical or traffic engineer's assessments completed and/or submitted in support of the original consent application and explanation of how the report's findings/ recommendations have been addressed as part of the detailed engineering design.
- Preliminary site evaluation
- Identification of special features
- Low impact design considerations
- Selection of the landform choice
- Stability assessment
- Assessment of special soil types where applicable
- Setting of compaction standards for fill material
- · Erosion, sediment and dust control
- · Seismic Conditions
- Natural hazard identification and mitigation this is not necessarily restricted to "earthworks" category only, and should be addressed as part of any subdivision or creation of new residential land (previously rural).
- Design and Access Statement (addressing all elements of section 3.3 of QLDC's LDS CoP)
- Road Safety Audit vested roads and private accesses/parking areas serving more than 10 units or 20 parks
- Roading layout plan (to include landscape provisions) and pedestrian/ cycle links
- Internal access, manoeuvring & parking areas (including any pedestrian and cycle links) associated with land use development
- · Cross sections
- Long sections
- Sight distance plan
- Structural design
- Standard details specific to the application

### **STORMWATER**

- Stormwater Catchment Management Plan (prepared by the developer)
- Catchment Plan
- Design Philosophy including allowance for upstream catchments and impact on downstream catchments
- Plans and long sections
- Flood map for 1% AEP and 5% AEP storms (the 5% AEP plan should show no flooding or ponding of water in roads, reserves and lots intended future construction)
- Standard details

# **WASTE WATER**

- Catchment Plan
- Design Philosophy including allowance for adjacent catchments and impact on downstream catchments
- · Plans and long sections
- Standard details

#### **WATER SUPPLY**

- Structure Plan (to be provided by the developer following consultation with QLDC)
- Future development (to max extent defined by DP)
- System design
- System Layout

## **LANDSCAPE**

- Confirmation of consultation with QLDC's Operations (Parks) dept.
- · Landscaping layout, including all landscaping within road reserve
- Irrigation plan and maintenance requirements

#### **NOTES**

All plans to be to scale (preferred scales are 1:100, 1:200 and 1:500)

All documents to be submitted as enabled PDF's (searchable documents not scanned copies, except for signature pages)

Council requires an integrated design approach to be taken and is under no obligation to issue partial or staged design approvals for isolated components of a development.