**Subdivision Engineering Approval
Data Checklist**

Resource Consent Number

Consultant

Subdivision Name and Stage

Date Approval Requested

Section 1:

Documents received:                                           Comments

Full set of Engineering Plans
Design Report
Stormwater Management Report
ECan Consent
Design Certificate / Producer Statement

Section 2:

General items to be reviewed:                                 Comments

Confirm Engineering Plans match
Consented plans
Confirm all conditions of Consent are met

Section 3:

Earthworks Design Check:                          Comments

    Lots shaped to roads for overland flows

    Boundary tie in on adjacent lots?
    Retaining walls/batters

    Approval from adjacent lot owner for
    batter/retaining

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Section 4:

Roading Design Check:                             Comments

    Carriageway and Legal widths comply with
    minimum standards

    Berm width (Space for trees and services)

    Footpaths

    Shared paths required on main roads?

    Pedestrian links and kerb cutdowns

    Pedestrain crossing at islands

    Streetlights

    Cul-de-sacs diameter complies

    Crossfall of road and berm

    Road Markings

    Give way road markings at intersection?

    Frontage upgrades required?

    Heavy duty beams at ROWs (>2)

    Service trench detail

## Section 5:

**Water Design Check:**                                    Comments

  Laterals to each lot

  32mm lateral to rear lot

  Meters are next to boundary

  Hydrant spacing

  Valve locations

  Pipe sizing

  Ring feed to all submains

  Main 'roadside' of service trench

  Submain 500mm from boundary

  Thrust blocks required at bends?

  Restricted connections/high pressure

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## Section 6:

**Sewer Design Check:**                                    Comments

  Gravity / LPS

  Laterals to each lot - centered

  LPS - boundary boxes

  Main - 2m from kerb

  Manhole spacing

  Gradients

  Depth of main - collector Y/N

  Depth of laterals - able to service full
  extents of lots?

  Pipe sizing

  Flow deviation angles

Section 7:

Stormwater Design Check:                    Comments

    Lots discharge - laterals / soakpit
    Reticulation - pipe size calculations
    Soakpit calculations
    Swale size calculations
    Soakage rate on site
    Reticulation - gradients
    Reticulation - depth >750
    Sump spacing
    Known flooding area?
    Min FFL required?
    Secondary flow paths

Section 8:

Approval:

Checked and Approved by:

Date approved: