

REFERENCE: Contract No. Variation No. Consent No.	ENGINEERING PLAN PREPARED BY:	This form must be completed and attached to all Engineering Plans submitted to the Council
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ENGINEERING PLAN CHECKLIST

All engineering plans submitted to the Council shall include / be accompanied by the following information as appropriate:

EXTENT OF WORKS COVERED

<ul style="list-style-type: none"> These plans detail - all engineering works <input type="checkbox"/> <li style="padding-left: 40px;">- earthworks only <input type="checkbox"/> These plans cover - the entire development <input type="checkbox"/> <li style="padding-left: 40px;">- stage _____ of _____ stages <input type="checkbox"/>

SUPPORTING DOCUMENTS ATTACHED

<ul style="list-style-type: none"> 3 print sets of the drawings <input type="checkbox"/> Digital data on disk (not required for subdivisional or consent works) <input type="checkbox"/> 2 sets of the specifications <input type="checkbox"/> 2 copies of Earthworks Design Report (if not previously included in consent application) <input type="checkbox"/> 2 copies of retaining wall design calculations and PS-1 (unless subject to Building Consent) <input type="checkbox"/> Design Certification (Appendix D) including the schedule of alternative items <input type="checkbox"/> Supporting information to enable evaluation of alternative items <input type="checkbox"/> Pavement design <input type="checkbox"/> Stormwater calculation sheets (including Appendix G summary) <input type="checkbox"/> Stormwater treatment and mitigation device design calculations <input type="checkbox"/> Network analysis of water supply pressures <input type="checkbox"/> Pump station design calculations <input type="checkbox"/>

STANDARD INFORMATION

<ul style="list-style-type: none"> North point <input type="checkbox"/> Existing legal boundaries and legal descriptions of parcels and Road names <input type="checkbox"/> Scheme plan lot boundaries and lot numbers <input type="checkbox"/> Plan scale 1:500 where possible <input type="checkbox"/> Datum <input type="checkbox"/> <p>Note Datum on plan: All levels are to be in Orthometric Heights related to Auckland 1946 Height Datum</p>

EARTHWORKS

<ul style="list-style-type: none"> Existing contours <input type="checkbox"/> Proposed contours <input type="checkbox"/> Extent of batters and fill areas <input type="checkbox"/> Subsoil and counterfort drains, including discharge points <input type="checkbox"/> Retaining structures <input type="checkbox"/> Erosion and sediment control plan <input type="checkbox"/>

ROADING

• Plan and long-section	<input type="checkbox"/>
• Footpath(s)	<input type="checkbox"/>
• Drainage details (catchpit location and type, outlets)	<input type="checkbox"/>
• Landscaping	<input type="checkbox"/>
• Services locations within the legal or proposed road	<input type="checkbox"/>
• Retaining walls	<input type="checkbox"/>
• Median islands and traffic calming devices	<input type="checkbox"/>
• Intersection design and control	<input type="checkbox"/>
• Street lighting	<input type="checkbox"/>
• Typical cross-section detailing pavement structure	<input type="checkbox"/>
• Private ways (gradients, drainage and typical cross-sections)	<input type="checkbox"/>

WATER RETICULATION

• Plan detailing pipe location, nominal diameters and pipe materials	<input type="checkbox"/>
• Valves, hydrants, tees, bends and other fittings	<input type="checkbox"/>
• Pump stations including wiring diagrams and pipework details	<input type="checkbox"/>
• Bores (as for pump stations)	<input type="checkbox"/>
• Pipes to be removed or abandoned	<input type="checkbox"/>

WASTEWATER DRAINAGE RETICULATION

• Plan detailing pipe and manhole location, nominal diameters and materials	<input type="checkbox"/>
• Long-sections of each line detailing gradients, depths and bedding types	<input type="checkbox"/>
• Pump stations including wiring diagrams and pipework details	<input type="checkbox"/>
• Rising mains	<input type="checkbox"/>
• House connections	<input type="checkbox"/>
• Pipes, manholes and pump stations to be removed or abandoned	<input type="checkbox"/>

STORMWATER DRAINAGE RETICULATION

• Plan detailing pipe catchment serviced and manhole location, nominal diameters and materials and any special feature of bedding backfill or other matter refer CI 410.7-9	<input type="checkbox"/>
• Long section of each line detailing invert levels, depths to invert – existing and proposed, pipe gradient, pipe capacity, design flow, pipe and bedding class, distance between manholes and manhole identifier notation	<input type="checkbox"/>
• Open channels and direction of flow	<input type="checkbox"/>
• All stormwater discharges (piped or open channel) entering the site	<input type="checkbox"/>
• Scour protection	<input type="checkbox"/>
• House connections	<input type="checkbox"/>
• Pipes and manholes to be removed or abandoned	<input type="checkbox"/>
• Subsoil drains including location of flushing points	<input type="checkbox"/>
• Stormwater treatment devices	<input type="checkbox"/>
• Secondary overland flow paths including estimated rate of flow at various points	<input type="checkbox"/>

RESERVES AND PEDESTRIAN ACCESSWAYS

• Proposed contours and shape factor for neighbourhood reserves	<input type="checkbox"/>
• Footpaths and walkways, including surfacing, grade and drainage	<input type="checkbox"/>
• Fencing and footpath and walkway bollards	<input type="checkbox"/>
• Park furniture (seats, picnic tables signs)	<input type="checkbox"/>
• Playground equipment	<input type="checkbox"/>
• Landscaping	<input type="checkbox"/>
• Lighting	<input type="checkbox"/>

CERTIFICATION

I certify that the above information is correct and that the attached engineering plans address all the engineering conditions contained in the relevant resource consent.

Name_____
Signature_____
Date