7. APPENDICES

APPENDIX A

CHECKLIST FOR STORMWATER CONCEPT PLAN (SCP)

Survey Information	Yes	No	NA
1. Site boundaries	☑	☐	☐
2. North point	☑	☐	☐
3. Services within the public footway	☑	☐	☐
4. Site features, including tree, structures, depressions	☑	☐	☐
5. Contours at 0.1m for flat sites ranging to 0.5m for steep sites and extending 10m into adjoining properties	☑	☐	☐
6. Top of kerb levels	☑	☐	☐
7. Boundary levels	☑	☐	☐
8. Benchmarks	☑	☐	☐
9. Levels to AHD where site is affected by overland flow, flooding or where works on Council's drainage network are required	☑	☐	☐
General	**Yes**	**No**	**NA**
1. Plans to scale of 1:100 or 1:200	☑	☐	☐
2. Designer's name, qualifications, contact details provided	☑	☐	☐
3. Design report, including details of any variations provided	☑	☐	☐
4. Plan number and date of issue shown	☑	☐	☐
5. Consistency between stormwater, architectural and landscape plans	☑	☐	☐
6. 1% AEP overland flow extents shown	☑	☐	☐
7. Development layout, building envelope and proposed driveway locations shown	☑	☐	☐
8. Drainage calculations to support the proposed design submitted	☑	☐	☐
9. Proposed finished floor, garage and ground surface levels shown	☑	☐	☐

10. Compliance with freeboard requirements	☑	☐	☐
11. Location and level of proposed retaining walls indicated	☑	☐	☐
12. Appropriate tail water selected	☑	☐	☐
13. No adverse impact on other properties or the stormwater network	☑	☐	☐
14. Mainstream flood / local overland flow flood report (if any)	☐	☐	☑
Drainage Layout	**Yes**	**No**	**NA**
1. Pipe size, grade and invert level indicated	☑	☐	☐
2. Pit location, size, invert level and surface level indicated	☑	☐	☐
3. Proposed connection point to Council's stormwater system	☑	☐	☐
OSD	**Yes**	**No**	**NA**
1. A catchment plan showing areas draining to the OSD system.	☑	☐	☐
2. Location and size of OSD system and WSUD measures shown	☑	☐	☐
3. Location and level of OSD discharge points shown	☑	☐	☐
4. Compliance with detention volume required	☑	☐	☐
5. Compliance with less than 15% of site area bypassing OSD system	☑	☐	☐
6. Compliance with the Permissible Site Discharge (PSD) requirements	☑	☐	☐
7. Compliance with OSD storage depths	☑	☐	☐
8. Overland flows clear from the OSD system	☑	☐	☐
9. OSD storage located within common areas, clear of private courtyards and accessible from the street	☑	☐	☐
10. Overflow weir provided and shown	☑	☐	☐
11. Details of discharge control pit shown	☑	☐	☐
12. Orifice details and calculations shown	☑	☐	☐
13. Typical sections of OSD storage, including basin invert level, centreline level of outlet orifice, top water level, finished surface levels provided	☑	☐	☐
14. Provision of design certification of the OSD system in accordance with this policy	☑	☐	☐

Others	Yes	No	NA
1. Location of Council's drainage easements, private inter-allotment easements shown (if any)	☐	☐	☑
2. Location and details of basement pump-out system provided (if any)	☐	☐	☑
3. Location and details of overland flow path shown (if any)	☐	☐	☑

7. CHECKLISTS

7.1. Development Application Checklist (lodged with DA)

Water Sensitive Urban Design
Development Application Checklist

Site/ Project Name	103 - 109 LAYCOCKS ST, CRANEBROOK		
Lot and DP Number:	23/DP 700376	**DA Number:**	

	Information Required with DA Submission:	**Y**	**N**
1	Has a Water Sensitive Urban Design Strategy been submitted as part of the development application?	✓	
2	Is a BASIX Certificate required? If so, Yes - Attach certificate with DA	✓	
3	Has the digital version of MUSIC and report on the MUSIC model using data prescribed outlined in Council's Technical Guideline been attached? Have stormwater quality retention criteria (TSS 85%, TP 60%, and TN 45%) and water quantity / drainage requirements been met and documented in the WSUD Strategy? If relevant, have the Water Conservation, Quantity and quantity targets been achieved?	✓	
4	Does WSUD Strategy contain the following information? • Review of the **WSUD principles** and ensure that these are considered throughout development of the WSUD strategy. • Confirmation of the **WSUD objectives** that are relevant to the development application. • Confirmation of the **WSUD targets** for potable water conservation, stormwater quality management and stormwater quality management that are relevant to the development application. • Complete a **site analysis** to evaluate the site characteristics that potentially will impact on the feasibility of WSUD for the site. • **WSUD measures** that would be appropriate for the development considering the development scale, site characteristics, stormwater quality management function and stormwater quantity management function. • A **preliminary WSUD strategy** that positions the selected WSUD measures in appropriate locations and arranges the measures in an appropriate series. • **Numerical modelling** utilising MUSIC software to evaluate appropriate sizes of the WSUD measures. • **Concept designs** of the WSUD measures. • **WSUD strategy report** that summarises the methodology and WSUD outcomes, and provide this with the development application for the site.	✓	
5	Have the conceptual plans of the proposed stormwater treatment measures been included on the plans? (Detailed engineering plans will be required for the construction certificate)	✓	

6	Has a Draft Operation and Maintenance Plan which includes details on the following been provided? • Site description (area, imperviousness, land use, annual rainfall, topography etc) • Site access description • Likely pollutant types, sources and estimated loads • Locations, types and descriptions of measures proposed • Operation and maintenance responsibility (council, developer or owner) • Inspection methods • Maintenance methods (frequency, equipment and personnel requirements including Work Health and Safety requirements) • Landscape and weed control requirements • Operation and maintenance costs • Waste management and disposal options, and • Reporting.	✓	