

Connection Application + Network Works Assessment Checklist

The following section is the Connection Application assessment checklist and must be completed by the Registered Certifier (Major or Minor).

The Registered Certifier must make every effort to ensure all information contained in this checklist is accurate and up to date (current at the time of submission of the certified package).

General

- It is the responsibility of the Registered Certifier to ensure the certified package submission complies with requirements of the Unitywater Connections Policy, the SEQ Code and the Unitywater Accreditation and Certification Manual (A&C Manual).
- This Checklist is intended for use by Registered Certifiers and Auditors as a guide only and is not a comprehensive list of all assessment requirements as stated in Unitywater's policies.
- An Audit of a certified package submission is carried out at Unitywater's sole discretion.
- Issuance of a Decision Notice does not imply that a certified package submission has been audited.
- Unitywater, at its discretion, may conduct submission audits subsequent to issuing a Decision Notice, e.g. during construction phase, prior to issue of a Certificate of Completion.
- An Audit with a result of 'Pass' does not obligate Unitywater to issue a Decision Notice. Unitywater may seek further clarifications or amendments to a certified package submission prior to issuing a Decision Notice.

Checklist Instructions

The Registered Certifier must address each item on the checklist for each Unitywater service, i.e. metered water service connection infrastructure and sewerage property connection infrastructure.

For each item:

1. Confirm if it complies with the relevant Unitywater Connections Policy, the SEQ Code, and Unitywater's Accreditation and Certification Manual (A&C Manual), ;
2. Complete the **Statement of Alternative Solutions (SOAS)** section of the checklist, with appropriate referencing for any items that do not comply with the relevant requirements listed above.
3. The number in () at the end of each checklist item indicates a Minor or Major Non-Conformance and its corresponding audit weighting score.

A&C - Connection Application + Network Works - Assessment Checklist

Item No	Non-Conformance Items	Non-Conformance Type		Comments (Advice)
		Minor NC	Major NC	
Application (A&C Eligibility and Properly Completed Check)				
1	<p>Is the Application within the Scope of the Accreditation and Certification System and does it <u>exclude</u> all of the following elements (A&C Manual page 20)?</p> <ul style="list-style-type: none"> a. Preparation and issuance of Service Advice Notices under the DR Act; b. Assessment of standard connection applications for water supply or sewerage; c. Assessment of connections involving the design and construction of trunk infrastructure; d. Assessment of connections outside of the Future Connection Area; e. Preparation, approval and supervision of network intervention plans; f. Building over and adjacent to Unitywater's assets; g. Transitional applications for material change of use and reconfiguration of lot; h. Extensions of currency period. 		10	<p>Advice: Referenced in item c, 'trunk infrastructure' includes all Active Assets, such as Sewage Pumping Stations (SPS), Water Pumping Stations (WPS), and Pressure Reducing Valves (PRV).</p>
2	<p>Has/have the Owner(s) consent(s), relevant authority(ies) consent(s), and 'necessary written consents or documents for works proposed on property/ies not owned by the applicant' been provided and are these consents in accordance with the A&C Manual requirements? (A&C Manual section 3.3.1 and section 3.3.9)</p> <p>Note: For Applications that propose works within QLD Department of Transport and Main Roads (TMR) land, Queensland Rail (QR) land, or in proximity to Seqwater Infrastructure, there are additional requirements for an Applicant to obtain consent to access and construct works on these lands. Refer to the relevant items below for further information.</p>		10	<p>Advice: This is a statutory requirement and as such application cannot proceed further without these consents.</p>
3	<p>Has the correct application fee (Decision Only) been identified for payment to Unitywater?</p> <p>Refer to https://www.unitywater.com/building-and-developing/pricing-fees-and-charges</p> <p>Note: For multi-stage applications, ensure that fees are identified for payment for each stage. Unitywater does not recognise 'sub-stages', only stages, irrespective of the proposed stage numbering.</p>	5		<p>Advice: This is a statutory requirement and as such a decision cannot be issued without payment of the correct application fee.</p> <p>For a fee check, please contact DevelopmentCertification@unitywater.com</p>

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Item No	Non-Conformance Items	Non-Conformance Type		Comments (Advice)
		Minor NC	Major NC	
Connection Application Assessment				
4	<p>Is the Application within the Scope of the Accreditation and Certification System (A&C Manual Section 3.3.4 Network Demand Assessment) and does it <u>exclude</u> the following elements:</p> <ul style="list-style-type: none"> a) Development proposed inside an 'Emerging Community Zone'; b) A development site located or partly located in a Critical Area (See section 3.3.5 and Table 10); or c) The proposed demand is greater than the forecast (ultimate development) by more than 10%? <p>Note: Unitywater may permit the application to be submitted as a Certified Package where accompanied by a Unitywater approved network analysis or relevant and supportive SAN.</p>		10	<p>Advice: Regardless of the forecast demand, Unitywater permits connections under A&C for</p> <ul style="list-style-type: none"> • Duplexes allowable under the Council planning scheme; • 2 lot subdivisions as long as they are outside the Critical Areas as per Table 10 of the Manual
5	<p>The application does not require Unitywater's water supply network to provide an increase in fire-fighting requirement (e.g. Commercial category in Residential zoned network)?</p> <p>Note: Unitywater may permit the application to be submitted as a Certified Package where accompanied by a Unitywater approved network analysis or relevant and supportive SAN.</p>		10	
6	<p>Has the Application been assessed for compliance with all applicable 'Decision Criteria' in Unitywater's Connection Policy, Schedule 1, Table 2? (A&C Manual section 3.3.11)</p> <p>Weblink: BP9256 – Connections Policy</p>		10	
7	<p>Has the application properly identified whether or not network or property service infrastructure will need to be constructed within:</p> <ul style="list-style-type: none"> • Department of Transport and Main Roads (TMR) land, such as a State Controlled Reserve(SCR), <u>or</u> • Queensland Rail (QR) land, such as a Railway corridor? <p>Notes:</p>		10	<p>Advice:</p> <p>Applications that propose works within TMR land (SCR) require referral to TMR for a PUP approval, prior to Unitywater being able to issue a decision. This will result in processing timeframes being extended.</p>

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Item No	Non-Conformance Items	Non-Conformance Type		Comments (Advice)
		Minor NC	Major NC	
7 Cont'	<p>Currently, a Registered Certifier <u>may not</u> submit a Public Utility Plant (PUP) application directly to TMR for assessment and approval. The A&C Manual does not currently cover this process.</p> <p>Currently, a Registered Certifier <u>may not</u> submit a Wayleave Agreement application directly to QR for assessment and approval. The A&C Manual does not cover this process.</p> <p>Contact Development Certification for assistance with applications that require TMR PUPs or QR Wayleave Agreements.</p>			<p>Applications that propose works within QR land require referral to QR for a Wayleave Agreement, prior to Unitywater being able to issue a decision. This will result in processing timeframes being extended.</p>
8	<p>Has the application properly identified whether or not network or property service infrastructure will need to be constructed within proximity of Seqwater Infrastructure?</p> <p>Notes:</p> <p>Currently, the A&C Manual does not cover this process for submission of an application for works in proximity to a Seqwater asset. Contact Development Certification for assistance with this type of application.</p> <p>Further information regarding Seqwater procedures and requirements can be found at web page https://www.seqwater.com.au/working-near-water-infrastructure.</p>		10	<p>Advice: Applications that propose works within proximity to a Seqwater asset will result in processing timeframes being extended.</p>
9	<p>Does the application include all relevant pre-requisite approvals from Unitywater that need to be in place prior to the issue of a decision?</p> <p>This includes, but is not limited to:</p> <ul style="list-style-type: none"> • a Unitywater Services Advice Notice (SAN); • Unitywater (previously) approved Network Analysis Report; • Odour Impact Assessment Report (WSA 04—2005-2.1 (SEQ WS&S D&C Code V1.3-Feb 2020), section 2.5) e.g. for low pressure sewer discharge maintenance holes; or • Direct connection of fire booster pumps (hydrant or sprinkler) to the water supply network. 	5		<p>Advice: Network Analysis Reports cannot be submitted for assessment and approval under the A&C System and where required must be submitted for approval in advance of a Connection Application.</p>

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Item No	Non-Conformance Items	Non-Conformance Type		Comments (Advice)
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10	<p>Has the Application has been assessed to demonstrate consistency with a Unitywater Services Advice Notice (SAN)?</p> <p>Or where applicable, have any deviations from advice in a SAN properly justified in a Statement of Alternative Solutions (SoAS)?</p> <p>(A&C Manual section 3.3.12)</p>		10	<p>Advice: Although compliance with a SAN is not compulsory, it is good practice to properly address the advice provided by Unitywater or at least discuss any proposed alternatives in advance with the Certification Team.</p> <p>Any deviation from advice in a SAN needs to be justified in a Statement of Alternative Solutions (SoAS).</p>
11	<p>Has the Application been assessed to demonstrate consistency with:</p> <p>a) a Unitywater approved Network Analysis Report;</p> <p>b) a higher order approval, such as a prior Unitywater staged connection approval; and</p> <p>c) where applicable, other approvals issued by other agencies, e.g. State Government, Department of Transport and Main Roads, Energex, Queensland Rail, Department of Environment and Science, Council, etc.?</p> <p>(A&C Manual section 3.3.12)</p> <p>Note: Where a Network Analysis Report is required (A&C Manual section 3.3.5), a Unitywater approved version of the report must be either submitted as a supporting document or a reference to the Unitywater approved version of the Report provided with the Application.</p>		10	<p>Advice: Compliance with these requirements is compulsory. If the Applicant can't comply, they are required to first amend the higher order approval(s), that may require amendment to any applicable Network Analysis Report.</p> <p>This item also appears in the Network Works assessment checklist.</p>
12	<p>Is the application supported by a plan(s) of the proposed development?</p> <p>If the development includes staging, this must be shown on the plan(s).</p> <p>Some examples of proposed plans are:</p> <p>a. Subdivision layout plan;</p> <p>b. Group-titled subdivision plan; or</p> <p>c. Development plan.</p> <p>(A&C Manual section 3.3.2)</p>	5		<p>Advice: The plan(s) of proposed development is(are) separate to the design drawings for network connections.</p>
13	<p>Has the network generated by the proposed development been correctly calculated and has a Network Demand Assessment been performed using the reference tools?</p> <p>(A&C Manual section 3.3.4)</p> <p>Reference tools:</p> <p>Unitywater's Netserv Plan Appendix B Schedule of Works</p> <p>Netserv Plan Planning Assumptions (Source: DMaTT)</p>		10	<p>Advice: Regardless of the forecast demand, Unitywater permits connections under A&C for</p> <ul style="list-style-type: none"> • Duplexes allowable under the Council planning scheme; • 2 lot subdivisions as long as they are outside the Critical Areas as per Table 10 of the Manual

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14	<p>Has existing network infrastructure and any other existing services been correctly identified in the design drawings?</p> <p>The Applicant must identify the source of information used for existing services shown on design drawings.</p>	1		<p>Advice: Where existing network infrastructure and any other services are not correctly identified in the approval phase, associated risks can be unreasonably transferred to the construction phase and may require amendment to the approval.</p>
15	<p>Does the Application include a Servicing Plan (separate to Connection Design Drawings)?</p> <ul style="list-style-type: none"> • Is the Servicing Plan consistent with the Unitywater approved Network Analysis report (where a Network Analysis is required)? • Does the Servicing Plan show stages of the development and indicate the sequence of staged development (where the sequence is known by the Applicant)? • Has the Servicing Plan been assessed, and does it comply with Unitywater's requirements (SEQ Code and Unitywater Infrastructure standards)? • Does any water main design take into consideration water quality and continuity of supply objectives of the SEQ Code? • Does the Plan demonstrate a preliminary level of network hydrant coverage? • Does the Plan demonstrate preliminary positioning of Stop Valves? • Does the Plan demonstrate positioning of any required boundary valves? • Does the Plan demonstrate the provision of prudent and efficient infrastructure while taking into consideration the surrounding service areas including planned development? • Does not propose servicing that would conflict with any other water approvals at the time of application lodgement (e.g. timing for infrastructure, consistent alignment, etc.)? • Where Network Works are required, does the Plan include a note: "Preliminary Only – Subject to detailed design and Unitywater approval"? <p>(A&C Manual section 3.3.6)</p>		10	<p>Advice: There are many circumstances where a Servicing Plan is required by Unitywater to support an Application. These include but are not limited to the following:</p> <ul style="list-style-type: none"> • Where a Unitywater approved Network Analysis report has been issued in relation to the land and network works are required a Servicing Plan may form part of a Network Analysis, or may be created subsequently); • Development situated in an Emerging Community Area; • Multi-stage development with delivery of Network Works in stages; • Development with more than a single connection timing; • Triggers any new or alteration to Unitywater networks; • Development where servicing may have dependency with any other water approval.

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Connections Design Assessment				
16	<p>Does the Application identify that other land in the same sewerage catchment as the development can be controlled by and have access to sewerage network constructed in the development area by gravity or as otherwise nominated in a Unitywater approved Network Analysis Report?</p> <p>This shall include, but not be limited to, showing the sewerage network extending to adjacent property(ies) or stage boundary(ies) to facilitate future extension of the sewerage network – reticulation mains or property connection infrastructure as required – as part of subsequent development.</p> <p>A Sewerage Catchment Plan may need to be provided to demonstrate effective control of the upstream sewerage catchment.</p> <p>Note: This item is linked to imposing standard condition 1.43 in the Draft Decision Notice Template.</p>		10	<p>Advice: In some circumstances, the other land, identified as being within the same sewerage catchment in which the development is situated, may have surface contour topography that falls away from the direction of the sewerage network grade. This must be accounted for in design of the sewerage network to enable the other land within the sewerage catchment to be fully controlled.</p>
17	<p>Has the network hydrant infrastructure been assessed for compliance with requirements of the SEQ Water Supply Code.</p> <p>Considerations may include:</p> <ul style="list-style-type: none"> • Additional hydrants identified for reconfiguring of a lot type development (including boundary relocations). • Where existing network hydrant coverage is sufficient, additional hydrants are typically not permitted for exclusive service of new development. • In some instances, a private fire service and hydrant may be required to achieve hydrant coverage of property(ies). 		10	<p>Advice: Refer to SEQ Water Supply Code V1.3 August-2019, section 8.8 Hydrants.</p>
18	<p>Where the Application proposes direct connection of a fire booster pump(s) to the water supply network, has the Supporting Documentation been obtained and submitted with this application?</p> <p>Supporting Documentation require:</p> <ul style="list-style-type: none"> • a letter of no objection, or approval, from Unitywater Network Planning for the direct network connection; • a fire booster pump certificate as issued by the hydraulic engineering consultant stating that the installed pump set will have a limited flow rate no greater than Unitywater’s standards of service for the site (as confirmed by Unitywater Network Planning). 		10	<p>Advice: Unitywater does not take any responsibility for the performance of the water supply network required by the Developer in its demonstration of compliance with QFES standards for building fire protection installations including, but not limited to, a fire brigade booster assembly or a fire hydrant pumpset connected to an internal and external(onsite) fire hydrant system.</p> <p>Instead, this is the responsibility of the Developer and its representatives, such as a (suitably experienced and qualified) fire and hydraulic consulting engineer.</p>

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		Minor NC	Major NC	
18 Cont'	<ul style="list-style-type: none"> • a fire booster pump hydraulic assembly drawing; • details of the pumps, including pump curves and design calculations; and • inclusion in the Draft Decision Notice of the relevant condition and reference to the supporting documents referenced in the Table of Approved Documents and Drawings? 			<p><i>To assist the Developer and its representatives in its determination of suitability of the proposed direct fire pumpset connection and fire hydrant system to meet QFES requirements, Unitywater offers a service that provides outputs of modelled network performance at the site property boundary. A link to 'Application for Hydraulic Model Pressure and Flow Information - F8578' can be found on Unitywater's webpage: https://www.unitywater.com/faults-and-emergencies/water-supply-problems/water-pressure-issues.</i></p>
19	<p>Where the Application proposes a Fire Service for the purpose of sprinkler use:</p> <ul style="list-style-type: none"> • Have all internal hydraulic drawings been included with the Application? • In accordance with Unitywater requirements, do all internal hydraulic drawings not include any unmetered toilet flushing from any Fire Service or Water Service? • Has the note: 'Unitywater do not accept FPAA101D system design that results in unmetered sprinkler systems with toilet flushing' been included: <ul style="list-style-type: none"> ○ On all relevant internal hydraulic drawings; ○ On all Fire Service and Water Service network connection drawings? 		10	
20	<p>As defined in AS 3500.1:2018 Plumbing and drainage Part 1: Water services, is there a High or Medium hazard rated activity (condition, device or practice) proposed on the premises for connection to the water supply network?</p> <p>If yes, has an appropriate Containment Protection device(s) for the Medium or High hazard rated activity been identified in the Application and a suitable device (or devices) specified by the designer as part of the metered service arrangement design for connection to the network?</p> <p>Refer to Pr10068 - Specification for Water Meters (A3894225)</p>		10	<p>Advice: Refer to AS3500.1:2018, Section 4 Cross-Connection Control and Backflow Prevention for "requirements and methods for prevention of contamination of drinking water within the water service and the water main".</p> <p>Medium and High hazard rated type premises are listed in AS/NZS 3500.1: 2018 Plumbing and drainage – Water services, APPENDIX F TYPES OF BACKFLOW PROTECTION (Informative) Table F3.</p>

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Item No	Non-Conformance Items	Non-Conformance Type		Comments (Advice)
		Minor NC	Major NC	
21	<p>Does the metered water service(s) connection design detail conform with the requirements of the SEQ Water Supply Code and Unitywater infrastructure standards?</p> <p>The design drawings must present all details required for installation of the metered water service connection(s) including:</p> <ul style="list-style-type: none"> • Offsets or dimensions of metered service in regard to location of all works; • Details for any existing connections requiring removal or alteration; • For small diameter residential services, the nominated meter size of Ø20mm or Ø25mm and reference to the applicable SEQ Code drawing(s); or • For large diameter water services, i.e. ≥ Ø32mm domestic meters, ≥ Ø100mm fire services (hydrant and sprinkler): <ul style="list-style-type: none"> ○ Extent of works and asset ownership by Unitywater; ○ Detail for connection to the existing water supply main; ○ Where the service crosses a road reserve, inclusion of a cross section for the full length of the service from the main to the meter that shows other services, vertical clearances, cover, and detail for any required vertical deflections; ○ Where the service crosses a road reserve and open-cut excavation of the road reserve is proposed, Road Owner authority and consent to employ this construction method; ○ a scaled meter arrangement and complete pipe and fitting list in accordance with requirements of the relevant Unitywater standard drawing(s). <p>Note: The meter arrangement associated with the water service or fire service shall be installed at the same time as the network offtake tee (by under pressure or cut-in connection methods) and water service or fire service are installed by Private Works.</p>	5		<p>Advice: For large diameter metered water services, the detailed design must be in accordance with either:</p> <ul style="list-style-type: none"> • Unitywater standard drawings SEQ-WAT-1108-4 and SEQ-WAT-1108-5, available on Unitywater's website; <p>Or for eligible CTS residential development connections, Queensland Urban Utilities standard drawings QUU-WAT-007 and QUU-WAT-008(basements) only for ultrasonic meter arrangements, available on Queensland Urban Utilities' website.</p>

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Item No	Non-Conformance Items	Non-Conformance Type		Comments (Advice)
		Minor NC	Major NC	
22	<p>Does the sewer property connection(s) design detail conform with the requirements of the SEQ Gravity Sewerage Code and Unitywater infrastructure standards? The design drawings must present all required details for installation of the sewerage property connection(s) including:</p> <ul style="list-style-type: none"> • Offsets or dimensions of sewer property connection in regard to location of all works; • Property connection size, material; • Property connection type (per RIGSS or PE Nusewer naming conventions); • Detail for property connection into an existing Maintenance Hole(MH), accounting for existing MH type (pre-cast or cast in-situ, PE lined); • Required Invert Level(IL) (at sewer main or MH and at property connection point), Finished Surface Level(FSL), depth from FSL at property connection point; • Demonstration of suitable clearance to the property connection point; • Any required treatment where the property connection point is proposed to terminate under a concrete slab or access driveway; • Details for any existing connections requiring removal or alteration. 	5		<p>Advice: Refer to WSA 02–2014-3.1 Gravity Sewerage Code of Australia SEQ Edition Version 2.0 (July 2019) sections:</p> <ul style="list-style-type: none"> • 5.4.4 Clearance from structures, • 5.4.5 Underground obstructions and services • 5.5.4 Minimum pipe sizes for maintenance purposes, • 5.6.4 Lot servicing requirements, • 5.6.5 Minimum depth of sewer connection point, • 6 Property Connection.
23	<p>Does the sewer property connection design service the whole lot, subject to the qualifications outlined in the SEQ Code? Note: Refer to WSA 02–2014-3.1 Gravity Sewerage Code of Australia SEQ Edition Version 2.0 (July 2019) section 5.6.4 Lot servicing requirements and section 5.6.5 Minimum depth of sewer connection point. Where partial lot servicing is proposed in accordance with section 5.6.4.4, the Certifier must first contact Development Certification to discuss acceptability of the proposal.</p>		10	<p>Advice: Does the Application include supporting information that demonstrates this? Calculations may be necessary. Finished Surface Level (FSL) contours or spot levels should be shown on the sewerage servicing drawing(s).</p>
24	<p>Will the Application trigger a Building Over or Adjacent to Asset (BOAA) referral to Unitywater, and if so, has this been identified and properly addressed in this Application? Notes:</p>		10	<p>Advice: A partial excerpt from WSA 02–2014-3.1 Gravity Sewerage Code of Australia SEQ Edition Version 2.0 (July 2019), section 5.4.4 Clearance from structures: Where the designer includes underpinning, bridging or other works to protect a sewer, these shall be detailed on the sewer design and certified by an RPEQ as being adequate to both protect</p>

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Item No	Non-Conformance Items	Non-Conformance Type		Comments (Advice)
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24 Cont'	<ul style="list-style-type: none"> Refer to WSA 02–2014-3.1 Gravity Sewerage Code of Australia SEQ Edition Version 2.0 (July 2019), section 5.4.4 Clearance from structures. Refer to QLD Development Code MP 1.4 – Building over or near relevant infrastructure. 			<p><i>the sewer and any structure under which the sewer passes.</i></p> <p><i>While the location and type of these works may be subject to agreement with the relevant SEQ-SP, the structural design remains the responsibility of the designer.</i></p> <p><i>Sewers shall cross retaining walls as close as practicable to right angles.</i></p> <p><i>Where the sewer crosses under a boulder retaining wall, a concrete bridging slab shall be placed over the sewer.</i></p>
25	<p>Is a Statement of Alternative Solutions (SoAS) required for this Application to identify and document any non-conforming acceptable solutions? If yes, has this SoAS document been attached to the certified package? (A&C Manual section 3.3.16 and Appendix F) (Web link to template for optional use: F10719 - A&C - Statement of Alternative Solutions)</p> <p>Note: Alternative Solutions for design and construction deviations to the SEQ Code standards may only be proposed by a Major Connection Certifier.</p>		10	
26	<p>Where a Statement of Alternative Solutions (SoAS) is required and has been attached, does it sufficiently address the identified non-conforming items in the certified package? (A&C Manual section 3.3.16 and Appendix F) (Web link to template for optional use: F10719 - A&C - Statement of Alternative Solutions)</p>		10* refer Advice	<p>Advice: A Major Non-Conformance score of 10 applies, where the proposed solution is not acceptable, e.g.:</p> <ul style="list-style-type: none"> Hasn't effectively considered applying the SEQ Code hierarchy of options when relevant, Not a prudent solution, or Has prioritised efficiency ahead of prudence. <p>A Minor Non-Conformance score of 5 may be applied in the case that the solution can still be accepted (with possible Unitywater annotation) for issue of an approval e.g.:</p> <ul style="list-style-type: none"> Incorrect reference, Typographic error.

Decision Notice

Two (2) decision notice templates associated with Connection Applications are currently available for use by downloading from Unitywater's website.

- [F10716 - A&C - Decision Notice Template - Connection Approval](#)
- [F10717 - A&C - Decision Notice Template - Connection Approval and Network Works Approval](#)

The assessing Registered Certifier will need to:

- Include and impose relevant and reasonable condition(s) on the connection application;
- Include and impose Standard Conditions where relevant. Refer to the Connection Application Package section on the Unitywater [Submit a certification package](#) webpage for the A&C Unitywater Standard Conditions;
- Include and impose Specific Conditions where standard conditions are not relevant and explain reasons in the Statements of Alternative Solutions (SOAS);

Note: Some conditions require the Registered Certifier to populate asset dimensions, locality, or other information specific to the application. These fields must be populated these fields when including conditions in the Draft Decision Notice.

Item No	Non-Conformance Items	Non-Conformance Type		Comments (Advice)
		Minor NC	Major NC	
27	Has a Draft Decision Notice been generated and attached to this application?		10	
28	Has key information relating to premises activity hazard rating and metered water use been nominated in the Draft Decision Notice? <ul style="list-style-type: none"> • Has the Hazard rating – Low, Medium, or High – for premises activities been nominated in the Draft Decision Notice? • Where a Fire Service for sprinkler use is proposed with this application, has the Registered Certifier confirmed with the Applicant that an '<i>FPAA101D system design that results in unmetered sprinkler systems with toilet flushing</i>' is not permitted for approval and nominated this in the Draft Decision Notice? 		10	
29	Have the relevant standard conditions been completely and correctly imposed in the Draft Decision Notice? (A&C Manual section 3.3.14)	5		
30	Have any Specific Conditions been included in the Draft Decision Notice? Specific Conditions must: <ul style="list-style-type: none"> • Be reasonable and relevant; • Have appropriate timing imposed; and • Must be identified with justification in an accompanying Statement of Alternative Solutions(SoAS) (A&C Manual section 3.3.15 and section 3.3.16)		10	Advice: Please contact Unitywater Certification Team to discuss appropriate use of a Specific Condition.

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31	Where the approval includes staged development, does the Draft Decision Notice properly identify staging and impose relevant conditions for each stage, including condition timing, as required?	5		
32	Has the timing imposed for each condition in the Draft Decision Notice been correctly applied? For example: <ul style="list-style-type: none"> • Selection of correct timing event, e.g. Prior to the issue of the Certificate of Completion, <u>OR</u> Prior to connection to the Unitywater network; • Includes reference to the relevant staging, e.g. for Stage 1 only, <u>OR</u> for each stage. 	1		
33	Have all documents been included and properly referenced in the relevant Tables within the Draft Decision Notice? This includes the: <ul style="list-style-type: none"> • Table of Approved Documents and Drawings; and • Table of Documents and Drawings for Information Only. Note: Unitywater approved Network Analysis reports shall only be referenced <u>for information only</u> . Network Analysis reports that have not been approved by Unitywater shall not be referenced under any circumstance.	1		
34	Have the relevant drawings been certified by a Major Connection Certifier in accordance with requirements of the A&C Manual? Relevant drawings include: <ul style="list-style-type: none"> • Servicing Plan drawings that will trigger a subsequent Network Works Application; • Sewerage Catchment Plan drawing; and • Design Plan drawings that incorporate Network Works. (A&C Manual section 3.3.17).		10	

Infrastructure Charges Data Sheet

An Infrastructure Charges Data Sheet editable MS Excel Workbook is available for use by downloading it from Unitywater's website.

- [Infrastructure Charges Data Sheet – Version 1.0](#)

Item No	Non-Conformance Items	Non-Conformance Type		Comments (Advice)
		Minor NC	Major NC	
35	Is an Infrastructure Charges Notice (ICN) required for this Application? Note: An Infrastructure Charge Notice (ICN) is not required for all Decision Notice types, e.g. Network Works only application.	1		
36	If an ICN is required, has an Infrastructure Charges Data Sheet been submitted with the certified package? Note: In the case that the development is exempt from infrastructure charges, the certifier must provide a copy of the supporting evidence with the Certified Package, e.g. Ministerial Designation.		10	
37	Has the correct infrastructure charges regime been identified for the development, e.g. Unitywater Infrastructure Charges Schedule, or a Council Charges Resolution?		10	Advice: On 1 May 2019, Unitywater introduced its own Infrastructure Charges Schedule. The "Unitywater Infrastructure Charges Schedule (No. 1) 2019" replaces water supply and sewerage aspects of the Councils' Adopted Infrastructure Charges Resolutions which Unitywater had previously used to levy charges on developers for the provision of trunk water supply and sewerage infrastructure. The "Unitywater Infrastructure Charges Schedule (No. 1) 2019" can be downloaded from Unitywater's website at: https://www.unitywater.com/building-and-developing/reference-library
38	If the ICN is triggered by the issue of an Amended Decision Notice, does the Infrastructure Charges Data Sheet submitted reference the most current version of the relevant charging regime? Note: In the case that the most current charging regime doesn't apply, the Certifier must provide relevant information to justify this (e.g. condition of court order).		10	

A&C - Connection Application + Network Works - Assessment Checklist

Item No	Non-Conformance Items	Non-Conformance Type		Comments (Advice)
		Minor NC	Major NC	
39	Have all fields in the Infrastructure Charges Data Sheet been filled in correctly?		10	
40	Have all applicable charges been correctly identified for the development, in accordance with requirements of the relevant infrastructure charges regime? Inputs for calculation of charges include: <ul style="list-style-type: none"> • Correct Land Use Categories and Demand Units • Number of lots • Number of dwelling (including number of bedrooms per dwelling) • Gross Floor Area (GFA) • Impervious Area 		10	
41	Have any available credits been correctly identified for the development, in accordance with requirements of the relevant infrastructure charges regime? Where available credits are identified, the relevant information that supports these credits must be submitted with the Certified Package, e.g.: <ul style="list-style-type: none"> • confirmation of existing legal use rights, or • previous trunk infrastructure payments. 		10	

Water Supply – Design Assessment Checklist

Complete this Water Supply Design Assessment checklist when the submission includes water supply network works..

Item No	Non-Conformance Items	Non-Conformance Type		Comments (Advice)
		Minor NC	Major NC	
100	Have the civil water supply network works design for construction drawing(s) been signed by an RPEQ?		10	
101	Water connection details to Unitywater infrastructure is correctly detailed?	5		
102	Water supply - Plans contain the following statement, "All works on existing water mains to be carried out by Unitywater Private Works at the developer's expense"	2		
103	Plans contain sufficient detail to allow Unitywater Private Works to provide accurate quotation for works?	2		<i>Details should include timings for any connections that may be out of sequence.</i>

A&C - Connection Application + Network Works - Assessment Checklist

Item No	Non-Conformance Items	Non-Conformance Type		Comments (Advice)
		Minor NC	Major NC	
104	Watermain(s) located on land other than road reserve has correct and complete information (e.g. easement not shown, Way Leave not provided for QR land, etc.)	3		
105	Correct pipe size(s) are approved?		10	
106	Correct pipe(s) material and class are approved?		10	
107	Watermain alignment(s) are in accordance with the SEQ Code?	5		
108	Pipe covers are in accordance with the SEQ Code?	5		
109	Vertical clearances are in accordance with the SEQ Code?	5		
110	Horizontal clearances are in accordance with the SEQ Code?	5		
111	Fire hydrant(s) have correct spacing, location/type specified?		10	
112	Stop Valves (SV) have correct spacing, location/type specified?	2		
113	Water Supply - Property services have correct spacing, location/type specified?	2		
114	Watermain road crossing(s) are in accordance with the SEQ code?	4		
115	Water Supply - Correct and complete construction notes are on each design plan?	1		
116	Treatment of existing water service(s) are correctly addressed?	2		
117	Water supply design - specification to end of line in accordance with SEQ code?	2		
118	Specification to end of line in accordance with SEQ code?	2		
119	Watermains to be constructed for full length of the development boundary?	2		
120	Design elements are in accordance with the Unitywater prudence and efficiency test?	3		

Sewerage – Design Assessment Checklist <i>Complete this Water Supply Design Assessment checklist when the submission includes water supply network works..</i>				
Item No	Non-Conformance Items	Non-Conformance Type		Comments (Advice)
		Minor NC	Major NC	
200	Have the civil sewerage network works design for construction drawing(s) been signed by an RPEQ?		10	
201	Sewerage connection details to Unitywater infrastructure is correctly detailed?	5		
202	Where a Planned Network Intervention (PNI) is required, relevant plans do not contain the following statement, "All works on existing sewer must be carried out by Unitywater Private Works at the developer's expense".	2		
203	Sewerage plans contain sufficient detail to allow Unitywater Private Works to provide accurate quotation for works?	5		<i>Details should include timings for any connections that may be out of sequence.</i>
204	Sewer(s) located on land other than road reserve has correct and complete information e.g. easement is shown, Way Leave is provided for QR land, etc.?	3		
205	Sewer(s) are sized to carry design flows (PWWF) in accordance with the SEQ Code?		10	
206	Maintenance structures PE Lining are in accordance with SEQ code?	5		
207	Pipe type(s) approved are in accordance with the SEQ Code?	5		
208	Pipe size(s) approved are in accordance with servicing strategy?	5		
209	Sewer deeper than 3 metres and servicing ≥ 10 connections does provide a high level sewer?	5		
210	Sewer alignment(s) are in accordance with the SEQ Code?	5		
211	Pipe covers are in accordance with the SEQ Code?	5		
212	Maintenance structures specified in areas subject to flooding or with a high-water table level are cast in-situ and include bolt down covers?	3		
213	Vertical clearances are in accordance with the SEQ Code?	5		
214	Vertical curves are in accordance with Manufacturers specifications?	2		

A&C - Connection Application + Network Works - Assessment Checklist

Item No	Non-Conformance Items	Non-Conformance Type		Comments (Advice)
		Minor NC	Major NC	
215	Horizontal clearances are in accordance with the SEQ Code?	5		
216	Horizontal curves are in accordance with Manufacturers specifications?	4		
217	Horizontal direction drilling is in accordance with the SEQ Code?	2		
218	Information on longitudinal section(s) (Maintenance structures, etc.) for the below (but not limited to) are in accordance with the SEQ Code: - incorrect cover types - location, spacing - opening, grades - change of diameter - falls - drops	2		
219	Sewer design - specification to end or line is in accordance with SEQ code?	2		
220	Sewer design - Property services have correct spacing, location/type specified?	2		
221	Property services commands entire lot?		10	
222	Sewer design - Correct and complete construction notes are on design plans?	1		
223	Treatment of existing sewer service(s) are correct and complete (e.g. existing house connection service not relocated)?	2		
224	Proposed treatment of the existing sewers to be abandoned are to be clearly detailed on the plans (i.e. grout-filled, removed or abandoned)?	2		<i>Ensure details are included in Live Works Table.</i>
225	Levels of other services (e.g. retaining wall, storm-water, power etc.) are shown and are correct on longitudinal section?	5		
226	Design of sewer crossing a watermain >DN300 has details shown and design appropriately approved by an RPEQ?	5		
227	Stormwater drain >DN600 crossing sewer is supported by bridging structure and is designed and approved by a structural RPEQ?	5		
228	Maintenance shafts permitted on branch or trunk sewers.	5		
229	Bulkheads, when required, are specified in accordance with SEQ code?	5		
230	A 'Live Sewer Works Table' (As per Std Drg SEQ-SEW-1102-1) detailing all work relating to existing infrastructure at each proposed connection point included on the design drawings?	2		
231	Sewer design elements are in accordance with the Unitywater prudence and efficiency test?	3		