

Instructions:

This Checklist must be completed by a Unitywater Accredited Registered Certifier.

Applicant Details:

Name (individual or company name in full): _____

Daytime contact number: _____ Mobile No: _____

Email: _____ Applicant Reference No: _____

Accredited Entity Details:

Name (individual or company name in full): _____

Daytime contact number: _____ Mobile No: _____

Email: _____ Accredited Entity Reference No: _____

Registered Certifier Details:

Name: _____ Registered Certifier Registration No: _____

Registered Certifier Category: Major Connections Certifier OR Minor Connections Certifier

Daytime contact number: _____ Mobile No: _____

Email: _____

Connection Application Details:

Connection Application No: _____

Connection Application Approval Date: _____

Approving Accredited Entity: _____

Property Details:

Table 1 – Property Details

Street Address			Property Description		Local government area
Unit/House No	Street Name	Suburb	Lot No:	Plan Type/No:	MBRC, SCRC or NSC

Development Details:

Brief Description of Development (Including description of the use in accordance with the relevant Council Planning Scheme):

Previous Design Approvals:

Brief Description of any previous development/connection approvals on the property (Including any previous council approvals):

Instructions:

The Registered Certifier must make every effort to ensure all information contained in this checklist is accurately addressed.

General

- The applicant must attach a copy of the Services Advice Notice (SAN) if the applicant has requested and received such advice from Unitywater;

Specific

The Registered Certifier must address each item listed in the tables below for each Unitywater service.

For each item:

- Confirm if it complies with the relevant standards/Unitywater requirements;
- For item not complying with relevant standards/Unitywater requirements, complete the **Statement of Alternative Solutions (SOAS)** section of the checklist;

Table 2 – Plan (Drawing) Details

Plan (Drawing) No:	Revision	Date of Last Revision	Drawn By	Consulting Company	Unitywater Audit		
					Yes	No	NA

Table 3 – Water Supply Assessment Checklist

Item No:	Item Description	Compliant:			Supporting Comments	Unitywater Audit		
		Yes	No	NA		Yes	No	NA
Properly completed application								
	Owners consent is provided							
	Correct application fees is paid							
Plan (Drawing)								
	Each plan has been signed by an RPEQ							
	Ensure plans contain the following statement, "All works on existing water mains to be carried out by Unitywater at the developer's expense".							



Item No:	Item Description	Compliant:			Supporting Comments	Unitywater Audit		
		Yes	No	NA		Yes	No	NA
	Plans to include details of water main connection. Detail must be sufficient to allow Unitywater Private Works to provide accurate quotation for works.							
	Plans to indicate provision for 5.0m space between existing and proposed water mains to allow for Unitywater connection. Detail to note that level and alignment of new main to suit location and depth of existing main.							
	Notes provided reflect current specifications and standard drawings (as per Std Drgs SEQ-WAT-1101-3 and 1102-1)							
	Ensure note on plans state the requirement for detectable marker tape over all water mains							
Connection Approval (that triggers the design plans)								
	Ensure design plans are in compliance to the connection approval conditions							
Existing Water Infrastructure								
	Existing water reticulation clearly detailed on the plans (i.e. diameter, pipe type etc.)							
	Proposed treatment of the existing water main is clearly detailed on the plans (i.e. grout-filled, removed, abandoned)							
	Does any other works associated with this development impact on the existing water infrastructure?							
Note	1. If existing water main is Asbestos Clad (AC), then it must be removed and disposed accordingly; 2. Any works which directly or indirectly impact the existing Unitywater water reticulation network are to be carried out under the guidance/direction of Unitywater Private Works Section. Applicant to contact Private Works and allow five working days for processing							
Water main located on land other than road reserve or Unitywater owned land								
	If the water main is located on state or local government controlled land (other than QR land), has the applicant provided written consent/s from the property owner permitting the installation of the main on their land							
	If water main is located on state or local government controlled land (other than QR land), does the design plans show the necessary easement?							
	For each easement over the water main on state or local government controlled land (other than QR land), the applicant has provided relevant easement documents.							
	If the water main is located on QR land, has the applicant provided 'Right of Access' [called Way Leave] documentation signed by QR for execution by Unitywater?							
	All easements required as a result of the above must be as follows: 1. Main ≤300Ø – Min. 6.0m easement 2. Main >300Ø – Min.10.0m easement							



Item No:	Item Description	Compliant:			Supporting Comments	Unitywater Audit		
		Yes	No	NA		Yes	No	NA
Note	1. The applicant must negotiate with the relevant property owner for consent to construct the main on their land as well as registering the necessary easement over the main prior any connection to approval being issued; 2. QR requires the execution of a 'Right of Access' [called Way Leave] with Unitywater in lieu of an easement.							
Proposed Water main alignment								
	Water mains are aligned within road reserve as follows: 1. 1.5m from property boundary for mains <375Ø; and 2. For mains ≥ 375Ø to be determined in consultation with Unitywater							
	Water mains are located on the opposite side of the road reserve to sewer mains							
	Water mains must accurately follow property boundaries or truncations							
Note	Any deviation from the above will require a SOAS							
Pipe Types and Sizes								
	Pipes shall be PVC-O PN16 RRJ.							
Pipe Covers								
	Minimum pipe covers: 1. Pipes ≤150mm Ø: a. 600mm for verges, parks and sealed roads; b. 750mm for major roads/embankments; and c. 1200mm (all pipe sizes) for freeways. 2. Pipes > 150mm Ø : a. 1000mm for verges, parks and all roadways/embankments.							
Note	Pipe covers must not exceed 1500mm							
Vertical Clearances								
	Minimum clearances: 1. Sewer mains ≥ 500mm; 2. Stormwater mains ≥ 150mm; 3. Water mains ≤375mm Ø ≥ 150mm; and 4. Water mains ≥375mm Ø ≥ 300mm;							
Note	Where a proposed water main passes under other services, construction details certified by an RPEQ engineers must be submitted.							
Horizontal Clearances								
	Minimum clearances: 1. Sewer mains ≥ 1000mm; 2. Stormwater mains ≤200mm Ø ≥ 300mm; and 3. Stormwater mains >200mm Ø ≥ 600mm							
Fire Hydrants								
	Fire hydrants must be installed within 40m of every serviced lot frontage and ≤ 80m intervals along the main							
	Hydrants must be located at common property boundaries where possible							
	Install hydrant (or duck-foot hydrant) at all dead ends							
	Hydrants provided at high and low points along mains as required for air release and scour							



Item No:	Item Description	Compliant:			Supporting Comments	Unitywater Audit		
		Yes	No	NA		Yes	No	NA
Valves (SV = Sluice Valve)								
	Sluice valve (SV) spacing: 1. Maximum 40 properties serviced or every 200m for $\leq 150\text{mm } \varnothing$; 2. Maximum 100 properties serviced or every 300m for pipe sizes 200 - 300mm \varnothing ; 3. Minimum 1 x SV for each length of water main.							
Note	1. SV not required on main $\leq 100\text{mm } \varnothing$ if serving ≥ 20 residential properties; 2. Check requirement and location of Scour Valves (applicable to mains $\geq \text{DN}200$); Check requirement and location of Air Valves (applicable to mains $> \text{DN}300$)							
	Boundary valve arrangements between DMA's to be SV/FH/SV. FH must be supplied from the higher pressure zone and closed SV marked as Zone Valve.							
Property Services								
	Residential lots: 1. 20mm \varnothing ID to each lot for service lengths $\leq 20\text{m}$; or 2. 25mm \varnothing ID to each lot for service lengths $> 20\text{m}$; 3. Located in accordance with the SEQ Code							
	Commercial and Industrial lots: 1. Provide access to water main either fronting the property or via branch mains across roads to each property; 2. Do not provide water services to each lot.							
Note	Services requirements to Commercial or industrial land will be determined at building approval stage.							
	Water services pipe type are PE							
	Water services must not be located on the same property corner as electrical service, where this cannot be achieved minimum separation provided							
Note	Ensure electrical services are shown on the water design plans or attach electrical layout plan.							
	Water services and conduits must comply with Std Drwg: SEQ-WAT-1108-1							
	Water service conduits angled across roadway, must end perpendicular to common property boundary. If angle is excessive, conduits can originate from property boundary containing electrical service connection points.							
Thrust Blocks								
	Thrust block must be provided on all bends, Tees and Dead Ends as per Std Drwgs SEQ-WAT-1205-1, 1206-1 and 1207-1							
Specific Checks								
	New water mains under existing roads to be tunnel-bored unless road owner (local government) written consent is provided							

Item No:	Item Description	Compliant:			Supporting Comments	Unitywater Audit		
		Yes	No	NA		Yes	No	NA
	Pavement markers must be in accordance with Std Drwgs SEQ-WAT-1300-1 and 2							
	Tunnel boring under major roadways as per WSA 03 Std Drwg WAT-1212. Tunnel boring under lesser class of road to use steel envelope pipe minimum 6mm thick and grout-filled							
	Water mains to be constructed for full length of the development boundary							
	If the existing service/s will not be contained wholly within the lot/s it is intended to serve, they must be detailed in the design plans							

Condition Checklist:

The assessing Registered Certifier will need to:

1. Imposes *relevant and reasonable* condition on the connection application;
2. Impose *Standard Conditions* where relevant;
3. Write and impose *Specific Conditions* if standard conditions are or will not be relevant;
4. Ensure that for any items that are Not Compliant to relevant standards on this checklist, alternative solutions must be identified and listed under *Statement of Alternative Solutions* section; and
5. Copy each of the imposed conditions (Standard or Specific) into the *Draft Decision Notice*.

Table 4 – Conditions Checklist

Cond No:	Condition	Supporting Comments	Compliance Audit			Supporting Statements
			Yes	No	NA	
Standard Conditions - Water Supply						

Table 5 – Conditions Checklist

Cond No:	Condition	Supporting Comments	Compliance Audit			Supporting Statements
			Yes	No	NA	
Specific Conditions - Water Supply						

