

## PROJECT INFORMATION SHEET – July 2015

### Why do the utilities in the Townsville CBD need upgrading?

The water supply network in parts of the Townsville CBD is over 60 years old and in need of upgrading. With the increasing development of multi-storey residential and commercial development in the CBD, Townsville City Council is planning to upgrade the water supply network to maintain water pressure to the increased number of buildings.

### When will the CBD Utilities Upgrade project be delivered?

Design for the project started in July 2014. Call for construction tenders to deliver the first stages of work are expected to be announced the second half of 2015.

### Who is involved in delivering this project for the Townsville community?

Townsville City Council will manage the project. GHD has been appointed as the design consultant. Construction and other contracting businesses will be appointed as the project progresses.

### How much will it cost?

The overall budget is \$43 million, with projects to be staged across the next four years.

### How can I find out more about the project?

Community information sessions will be held within each of the six project areas (regions) to provide a forum for two-way discussion and will be conducted for the duration of the project. Meetings will be advertised in media and via Council's social media channels. The frequency of meetings will be determined by the attendees, and are likely to be bi-monthly or quarterly.

Summary notes from these meeting will be distributed to attendees and can be published on the council website to allow the community to access information and provide transparency about project activities.





Specific meetings will also be held with body corporates of multi-dwelling building to discuss and devise strategies to manage and minimise project impacts on tenants and property owners.

### How do I find out which project 'region' my property, residence or business is located?

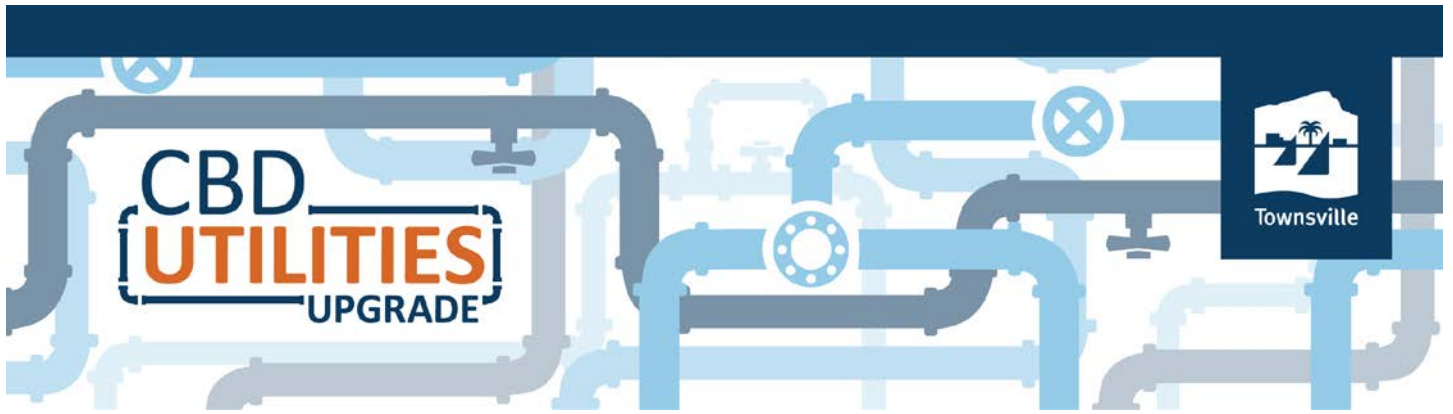
The project 'regions' for the CBD Utilities Upgrade Project are outlined in the table below.

Zones	Streets included
A: Strand	Kennedy Street, The Strand, Eyre Street, Fryer Street, Carter Street, Wickham Street, Breakwater Road, Sir Leslie Thiess Drive, Entertainment Drive, King Street, Wickham Street, Oxley Street, Leichhardt Street, Mitchell Street, Gregory Street.
B: Melton Terrace and CBD	Carter Street, Fryer Street, Wickham Street, Flinders Street East, Flinders Street, Denham Lane, Ogden Street, Stokes Street, Hale Street, Eyre Street, Denham Street, Cleveland Terrace, Mitchell Street, Herbert Street, Willmet Street, Melton Terrace, Hamilton Street, Walker Street, Sturt Street, Wills Street, Ogden Street.
C: CBD Central	Stanton Terrace, Gregory Street, Hillside Crescent, Stanley Street, Hale Street, Stokes Street, Blackwood Street, Hanran Street, Ogden Street, Flinders Street, Sturt Street, Walker Street, Wills Street, Victoria Street.
D: CBD West	Wilson Street, Greenslade Street, Francis Street (East), Will Street (west), Walker Street, Sturt Street, Flinders Street (West), Kingsway Place, Knapp Street, Fletcher Street, Jones Street, Aplin Street, Blackwood Street.
E: West End	William Street, James Street, Stagpole Street, Harold Street, Francis Street, Scully Street, Baxter Street, Garrick Street, Mary Street, North Street, Plant Street, Humphrey Street, Ingham Street, Echlin Street, Jane Street, Pridmore Street, Norman Street, Grier Street, Musgrave Street, Wilson Street
F: South Townsville	Archer Street, McIlwraith Street, Cannan Street, Davidson Street, Perkins Street, Morehead Street, Tully Street, Macrossan Street, Bell Street, Allen Street, Nelson Street, Hubert Street, Morey Street, Martin Street, Bell Street, Fourth Avenue, Brown Street, Sixth Street East, Fifth Avenue, Sixth Avenue, Seventh Avenue, Eighth Avenue.

### What is the difference between sewage and sewerage?

Sewage is the waste matter carried away by sewer drains and pipes. Sewerage refers to the physical facilities through which sewage flows.





### What is a trunk main?

A trunk water main is a large pipe used to transfer high volumes of water between a network of reservoirs, water treatment plants and storage tanks. Additionally trunk water mains connect into smaller reticulation mains which supply water to consumers.

### What is a water reticulation main?

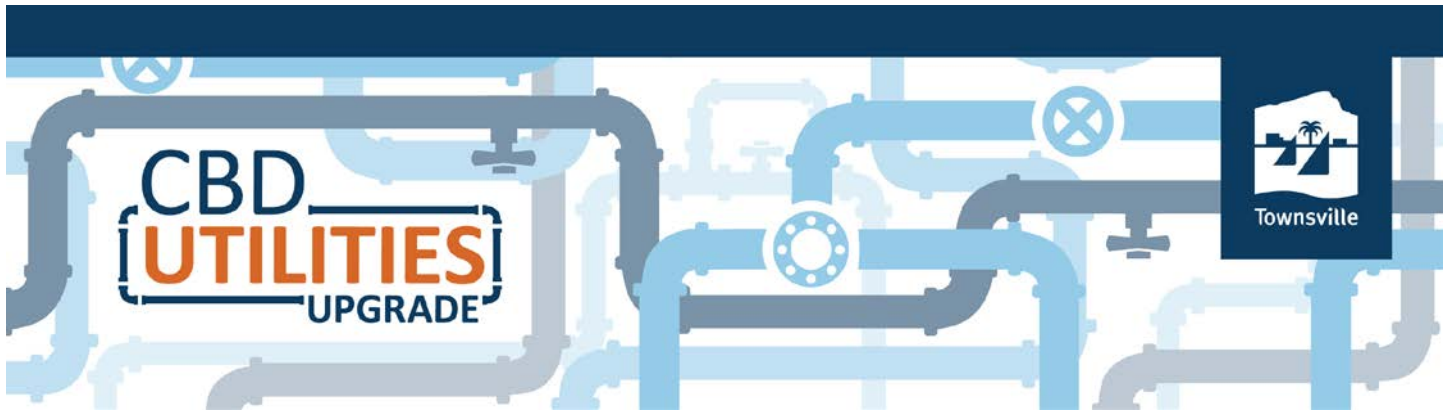
A water reticulation main is a water main that connects a distribution main with service pipes. Reticulation mains are typically between 100mm and 375mm in diameter.

### Where will the upgraded utilities be located?

The CBD Utilities Upgrade project involves a number of different activities at various city locations, including:

- » **'The Village' Trunk Main:** A water infrastructure upgrade is required to service The Village development in Oonoonba and also provide increased water supplies to the South Townsville and Railway Estate area.
- » **City to The Strand:** Trunk water infrastructure will be upgraded to service future multi-storey developments on Sir Leslie Theiss Drive. The proposed route will be Walker Street from Blackwood Street, Denham Street, Melton Terrace through to the Strand. Water mains will be worked on along The Strand to Sir Leslie Theiss Drive.
- » **Echlin Street Reservoir:** A new water reservoir is proposed to be built at the old quarry site off Echlin Street, West End. The outlet main is proposed to link water mains at the Flinders Street and Ingham Road intersection via Francis Street and Morris Street.
- » **Stanley Street:** A new water main installed along Stanley Street from Walker and Hanran Street intersection.
- » **Top City Reservoir:** Install a outlet main adjacent to Hillside Crescent, Stanton Terrace and Victoria Street.
- » **CBD:** 12km of water reticulation mains throughout CBD will be replaced.
- » **Ogden Street Sewer duplication:** A 220m duplicate sewer is proposed adjacent to Ogden Street between Stokes and Stanley Streets to cater for future high rise development in the area.
- » **Stanley Street Sewer upgrade:** A diversion sewer is proposed to be installed from Walker Street to Sturt Street along with upgrading the sewer lines from Sturt Street to Ogden Street.
- » **Denham Street Sewer upgrade:** A diversion sewer is proposed to be installed from Walker Street to connect to existing sewer infrastructure at the Flinders and Denham Streets intersection.





- » **Strand Sewer upgrade:** Duplicate several common pressure mains and upgrade works to a number of major pump stations. This may include continuation of a common pressure main east along The Strand including beneath and across Ross Creek and the extension of the pressure main through South Townsville (via Ross Street, Archer Street and Perkins Street)

The project will take the opportunity to upgrade other infrastructure services as needed.

