

Appendix D

Developer Strategies Included in 2024 Northern Region DSP

MEMO - Summary of developer servicing strategy documents for water and sewer in Northern Region Development Servicing Plan Area

Background

To support the development of the 2024 Development Servicing Plans (DSP, this summary document is provided to give an overview of proposed major development activities as described in recent developer initiated water and wastewater servicing strategies and associated DSP funded capital works required to service these developments.

Development Summary

1. Wadalba East Land Owners Group (WELOG) Development

Proposed WELOG development south of Johns Rd, Wadalba consists of 67ha of developable land with multiple owner interest. A developer servicing strategy (ADW Johnson, June 2017) proposed the following lot yield and staging plan as shown in Table 1 and Figure 1, respectively. Proposal was to progress with a development front moving east to west to work within the constraints of existing water and sewer services. Proposed water and sewer assets to service the development are shown in Figures 2 and 3, respectively. This consists of approximately 2km each of water and sewer main and three additional sewer pumping stations.

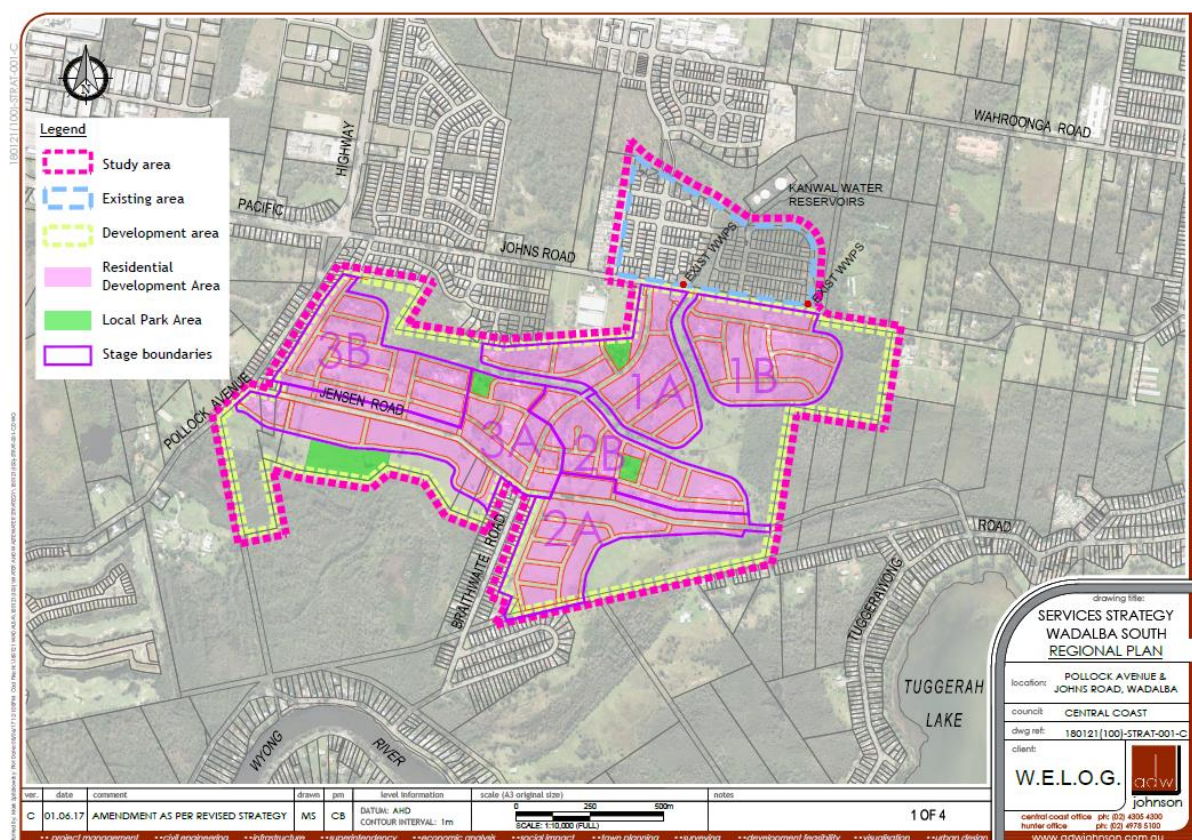


Figure 1 – WELOG Development Staging Plan

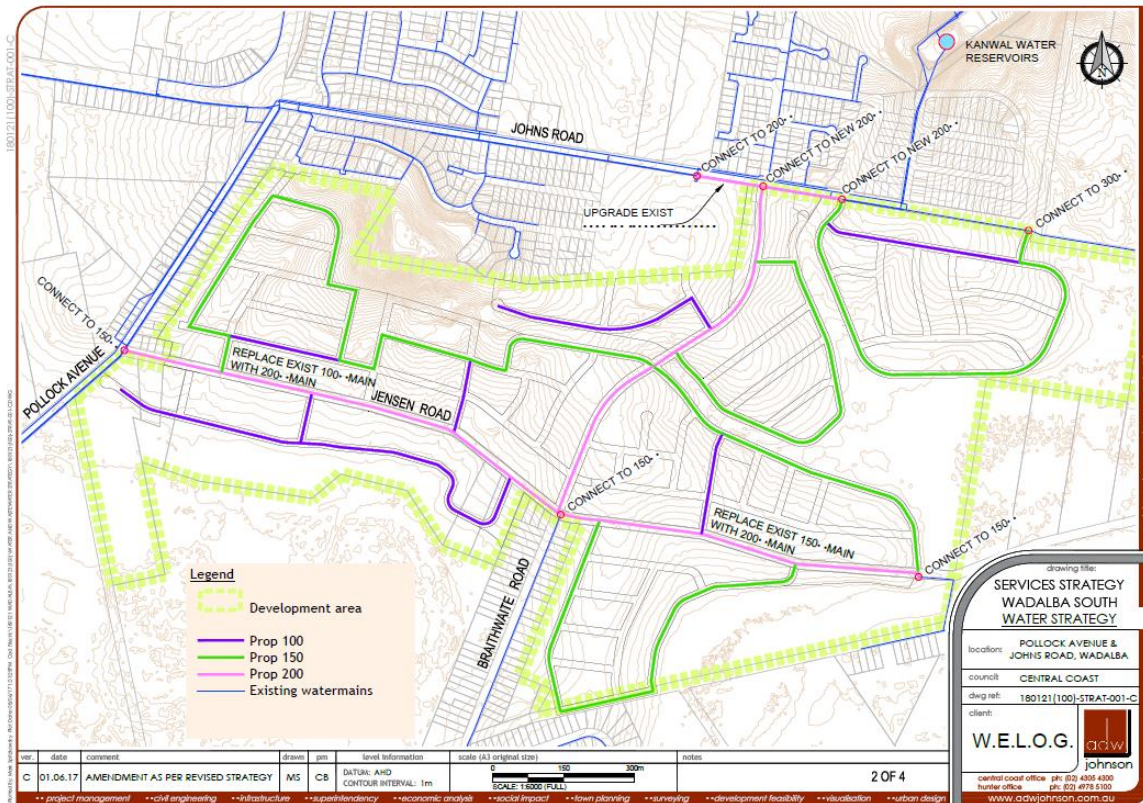


Figure 2 –

WELOG Development New Water Assets

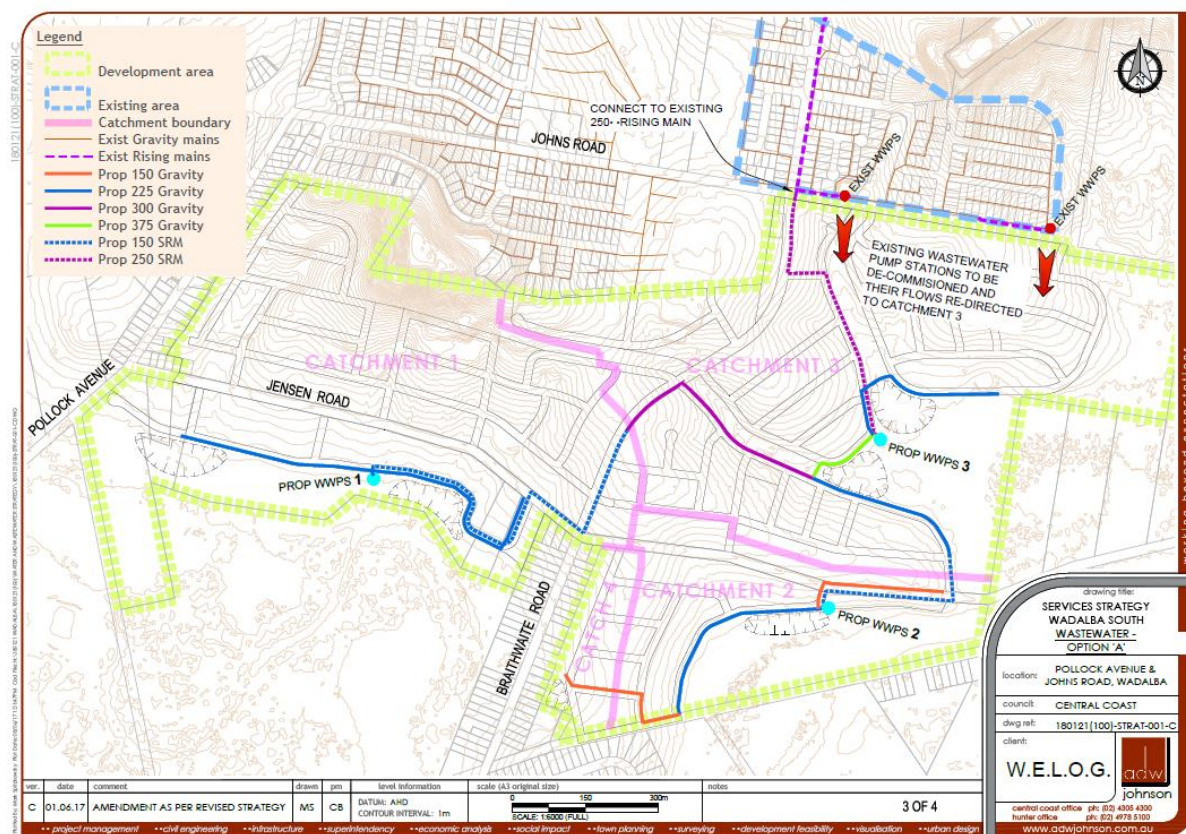


Figure 3

– WELOG Development New Sewer Assets (Preferred Option A)

Proposed DALC Lake Munmorah development is for a 62Ha development north of the Pacific Highway and intersection of Chain Valley Bay Rd with total lot yield of 544 ET (ADW Johnson, April 2018). While no staging plan has been proposed it was deemed not to be a high priority due to the simplicity of servicing. Detail on preferred water and sewer servicing options is presented in Figures 4 and 5 respectively. Proposal for water is for a secondary spline of the main trunk line to provide some added security of supply. Preferred sewer servicing (Option 2D) is for one regional sewer pumping station discharging directly to Mannering Park STP.

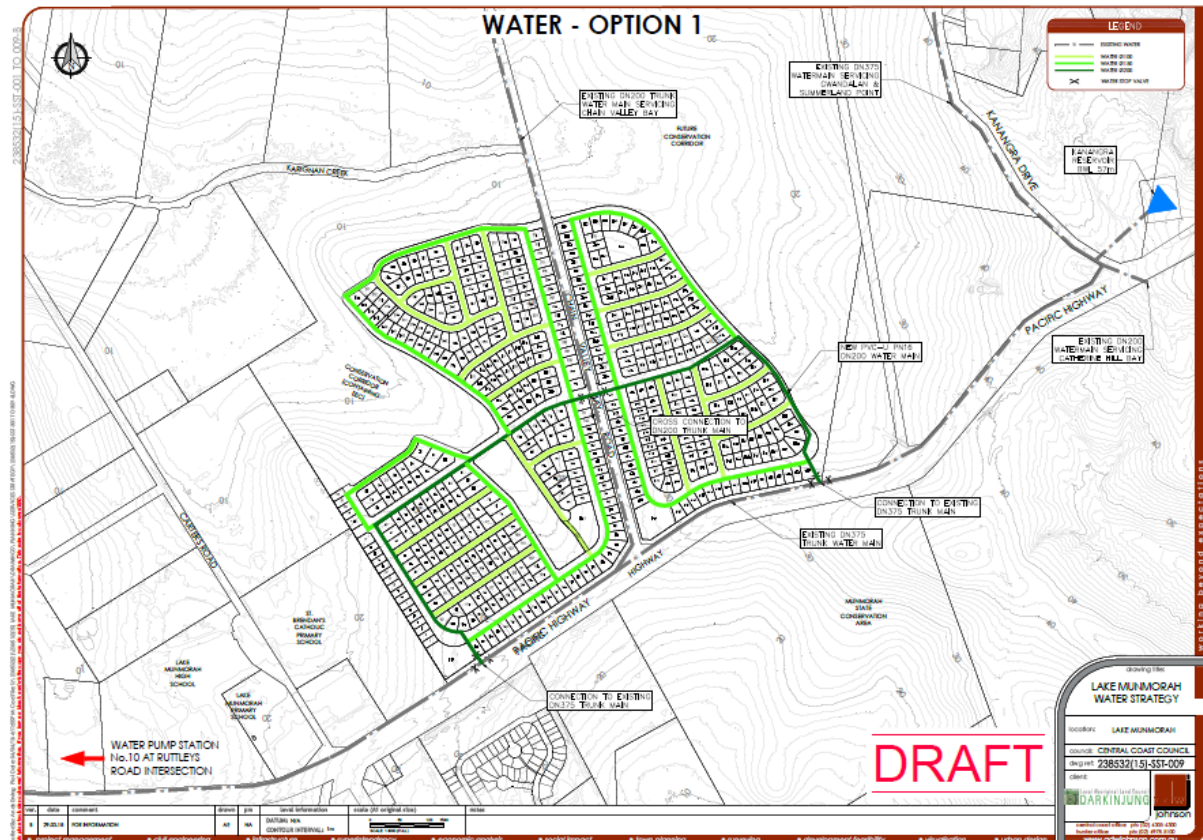


Figure 4 – DALC Lake Munmorah Development New Water Assets (Option 1)

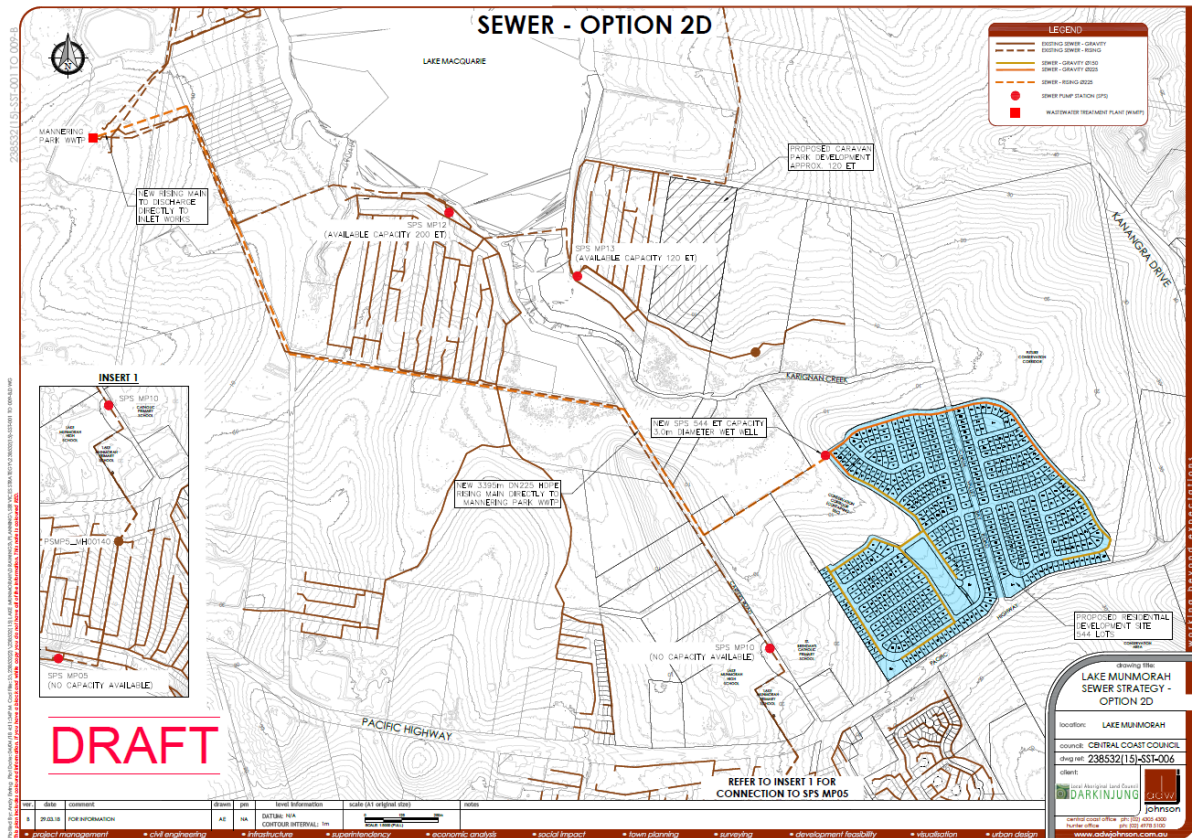


Figure 5

– DALC Lake Munmorah Development New Sewer Assets (Preferred Option 2D)

3. DALC Development Bushells Ridge

Proposed DALC Bushells Ridge development is for a mixed land use development over 3 stages with Stages 1 and 3 comprising industrial and Stage 2 as residential (ADW Johnson, Dec 2017). A summary of lot yield and Staging plan are shown in Table 2 and Figure 6 respectively. Detail on preferred water and sewer servicing options is presented in Figures 7 and 8 respectively. Proposal for water is for a new 3 to 8ML reservoir at Bushells Ridge and ring of trunk water main assets connecting up the three stages including an additional development on Hunter Lands and option to connect four Council owned sites. Preferred sewer servicing (Option 2D) is for two regional pumping stations discharging directly to Charmhaven STP to service Stage 1 and 3. The Stage 2 residential development will be serviced by a gravity network and small pumping station.

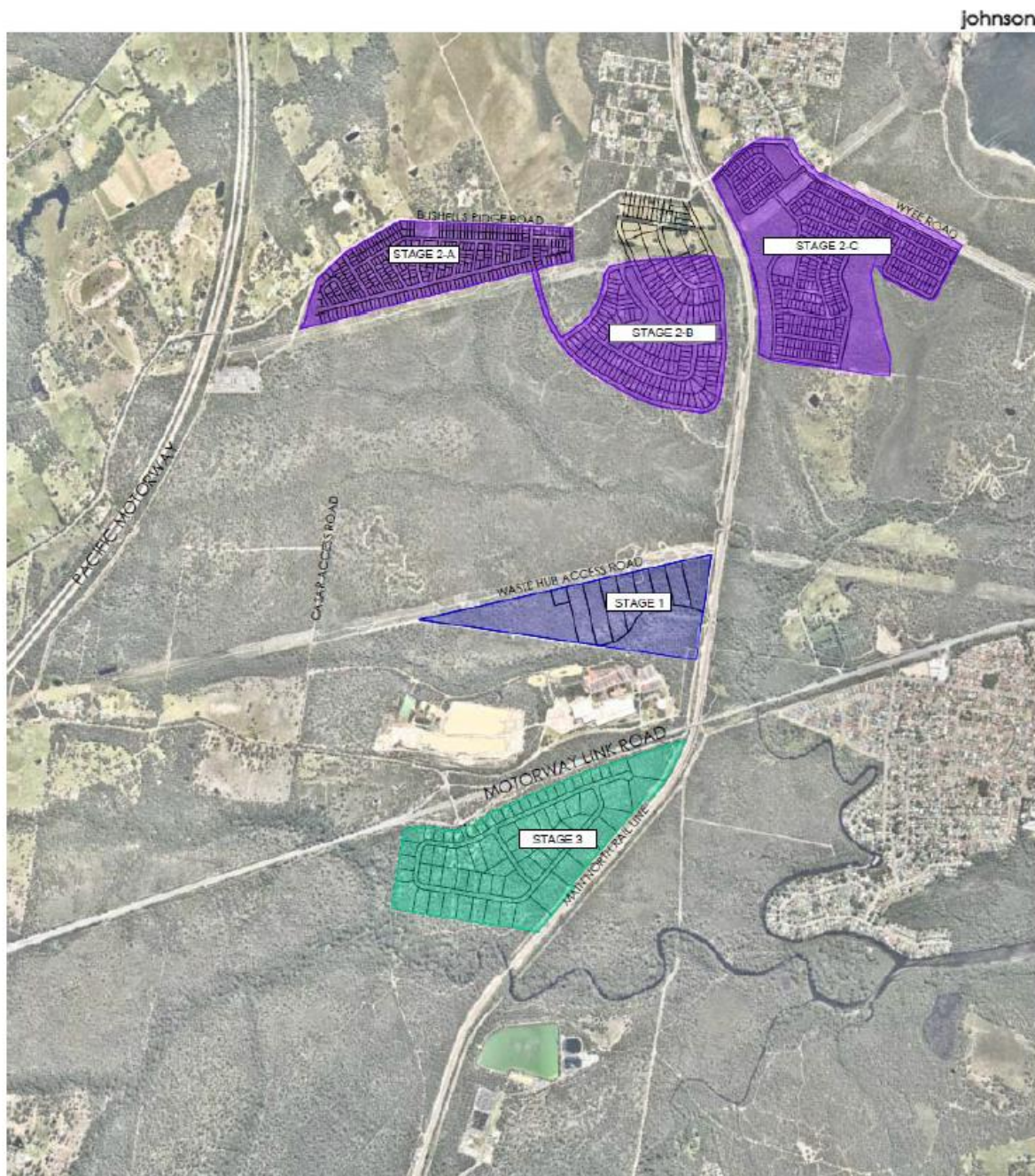


Figure 1.1 – Proposed Development Site

Figure 6

– DALC Bushells Ridge Development Staging Plan

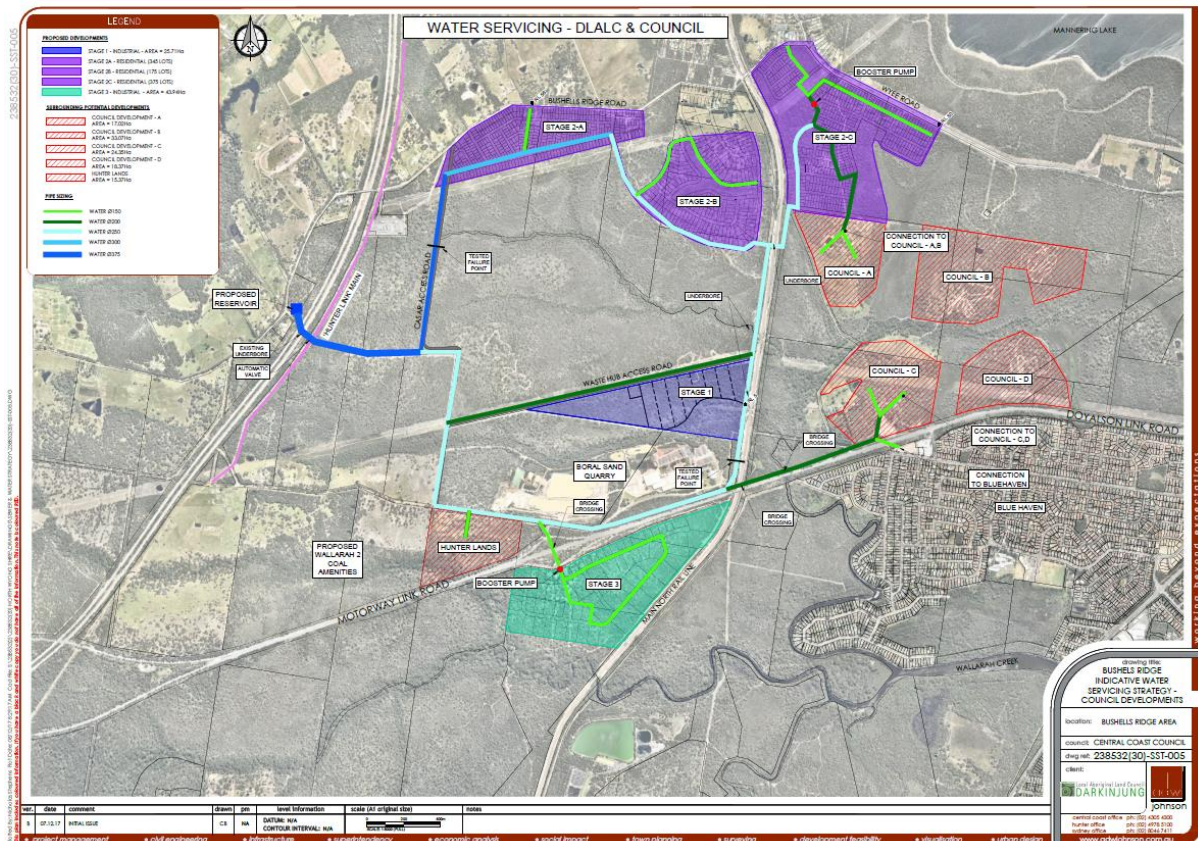


Figure 7 – DALC Bushells Ridge Development New Water Assets

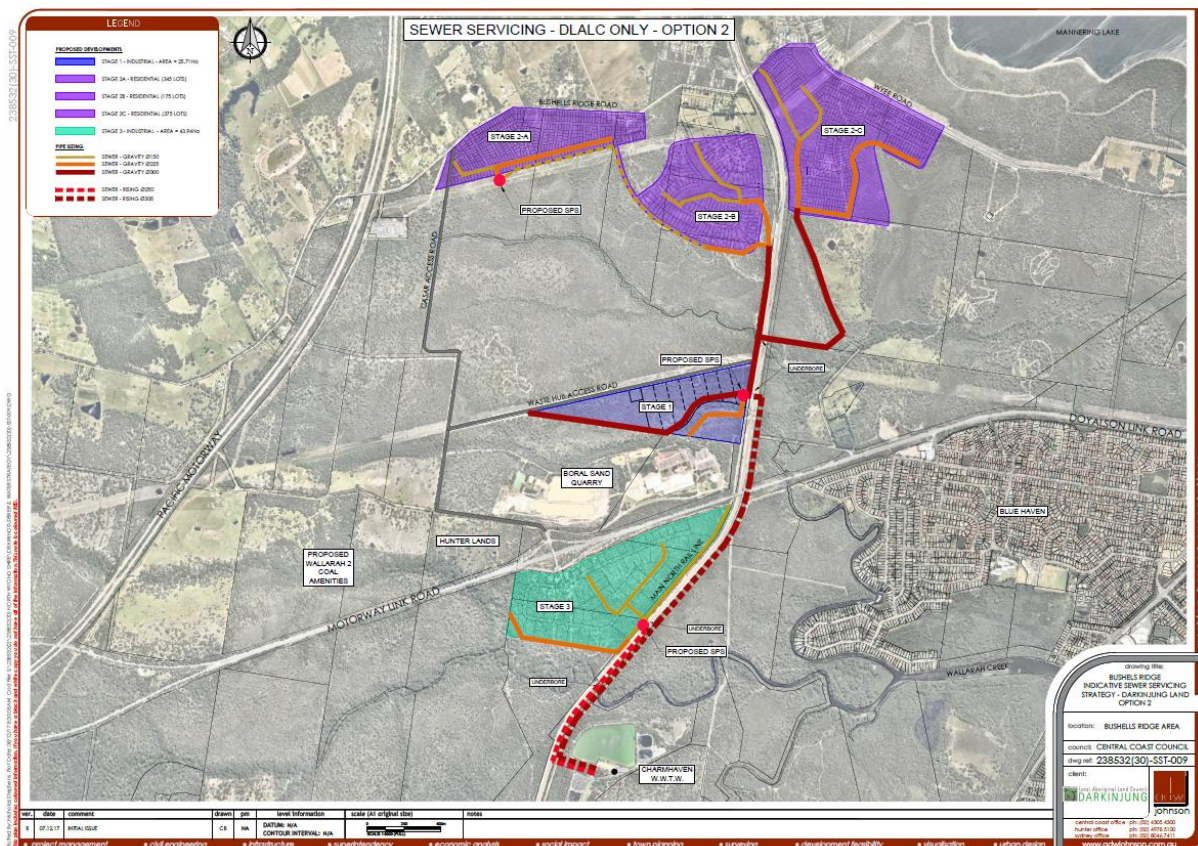
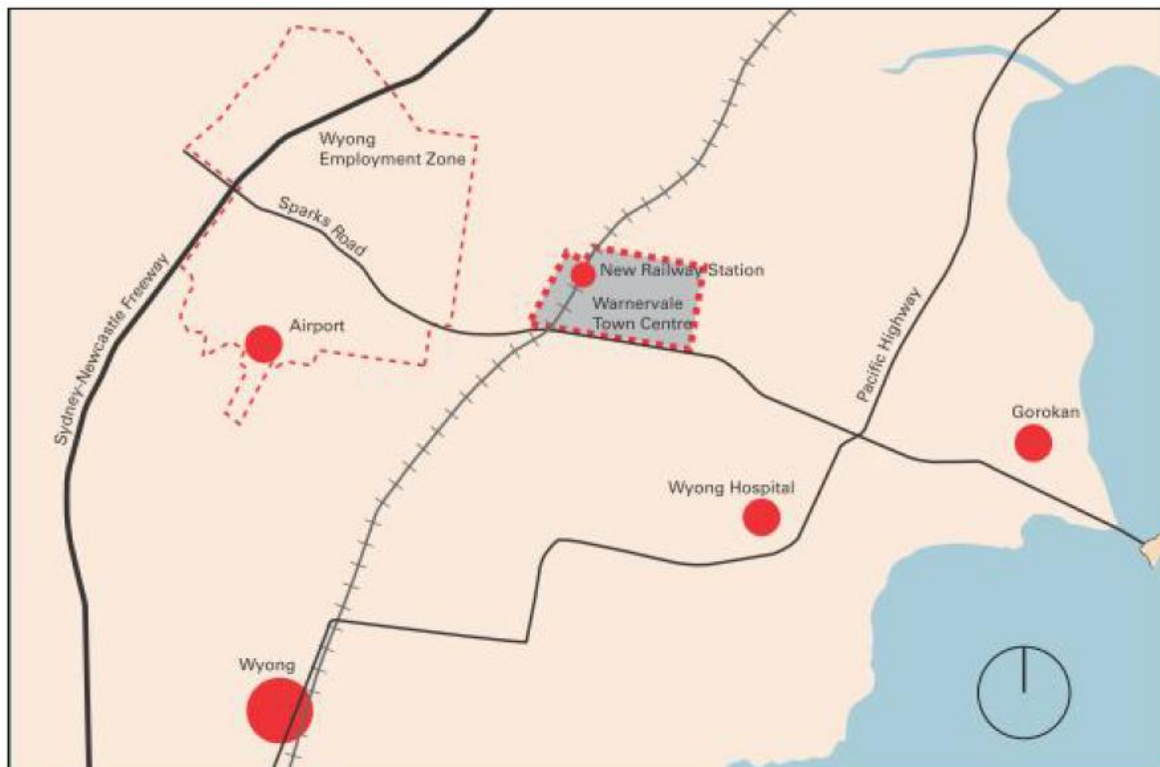


Figure 8 – DALC Bushells Ridge Development New Sewer Assets (Preferred Option 2)

4. Greater Warnervale Structural Plan

The Warnervale Town Centre (WTC) is a 119ha development with estimated yield of 6000 ET as residential. In addition to the residential yield it is estimated that an additional 40,000 residents will be serviced through diverse community facilities, retail, and commercial and a public transport hub and adjacent Wyong Employment Zone (WEZ). A locality plan of the WTC and WEZ is shown in Figure 10. Detail on preferred water and sewer servicing options is presented in Figures 11 and 12 respectively. Proposal for water is for a new 9km long Mardi to Warnervale Pipeline. Preferred sewer servicing is for three pumping stations (SPS CH35, CH36, CH37) and network of trunk and gravity sewer mains.



Source: Warnervale Town Centre Development Control Plan 2012, NSW Department of Infrastructure and Planning

Figure 10 – Warnervale Town Centre (WTC) and Wyong Employment Zone (WEZ) Locality

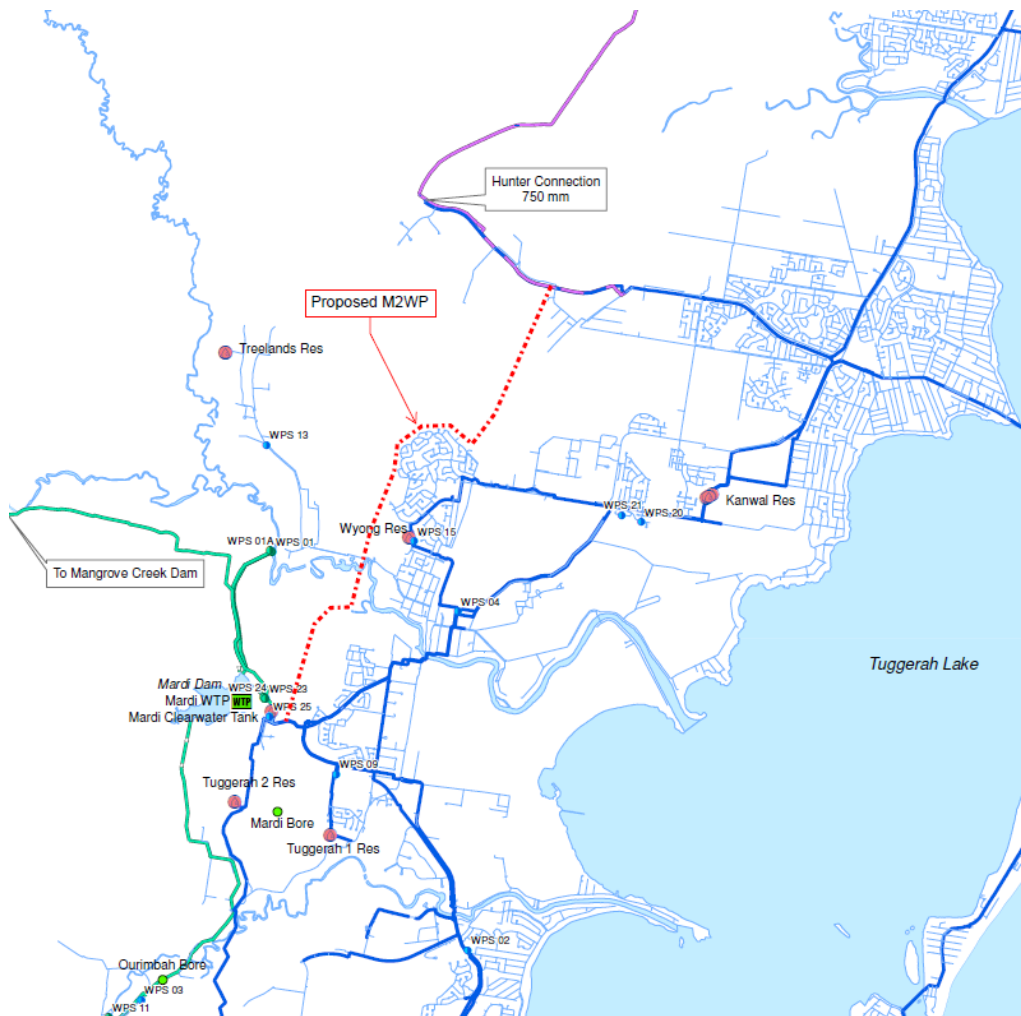


Figure 11 – WTC and WEZ Water Servicing through Mardi to Warnervale Pipeline

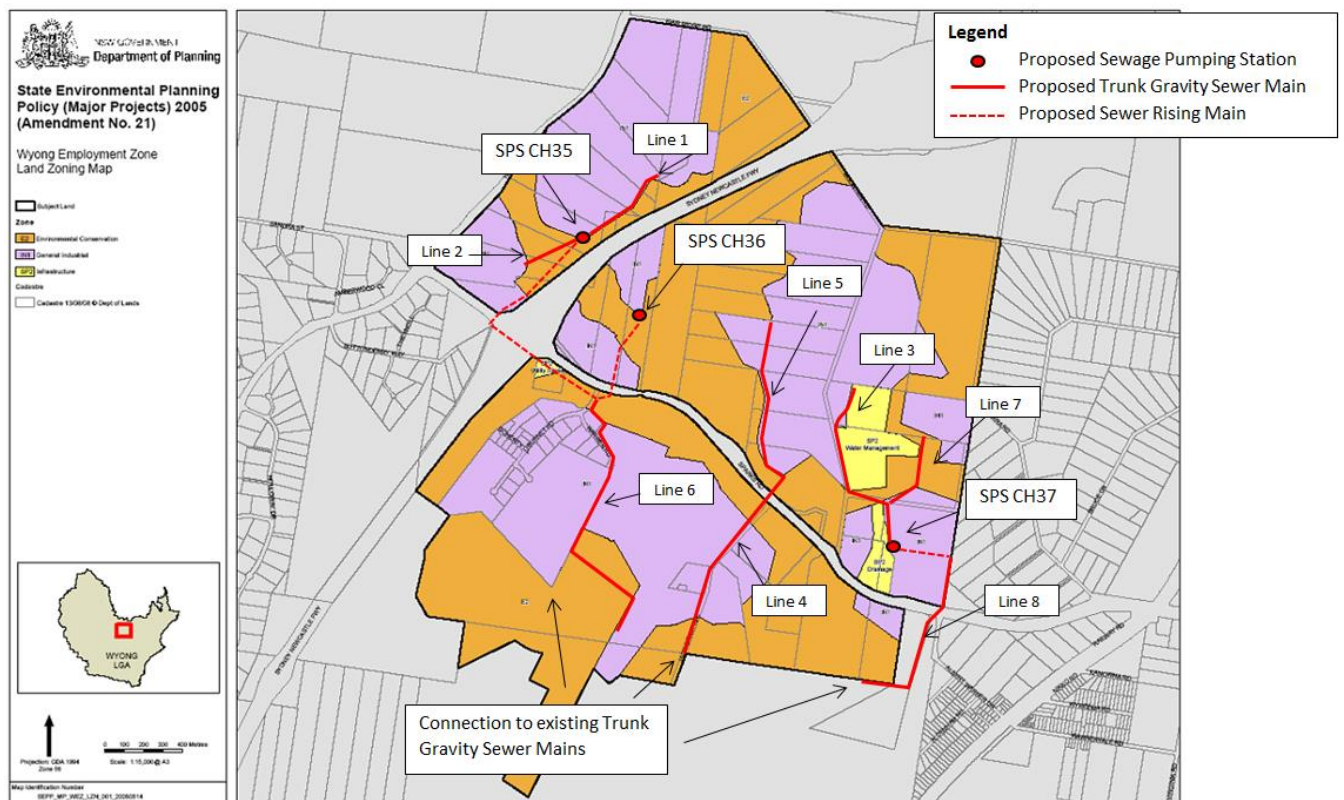


Figure 12 – WTC and WEZ Water Sewer Servicing Strategy

References:

1. Water and Wastewater Servicing Strategy, Wadalba South Development Area, Wadalba East Land Owners Group (WELOG), ADW Johnson, June 2017, Revision C (TRIM: D12836485)
2. Water and Wastewater Servicing Strategy, Pacific Highway Lake Munmorah, Darkinjung Local Aboriginal Land Council, ADW Johnson, April 2018 (TRIM: D13200523)
3. Water and Wastewater Servicing Strategy, Bushells Ridge, Darkinjung Local Aboriginal Land Council, ADW Johnson, December 2017 (TRIM: D13201953)
4. Greater Warnervale Structural Plan, Central Coast Council Internal Memo, November 2018, (TRIM: D13593828)