ballina shire council

Development Servicing Plan
Water Supply Infrastructure

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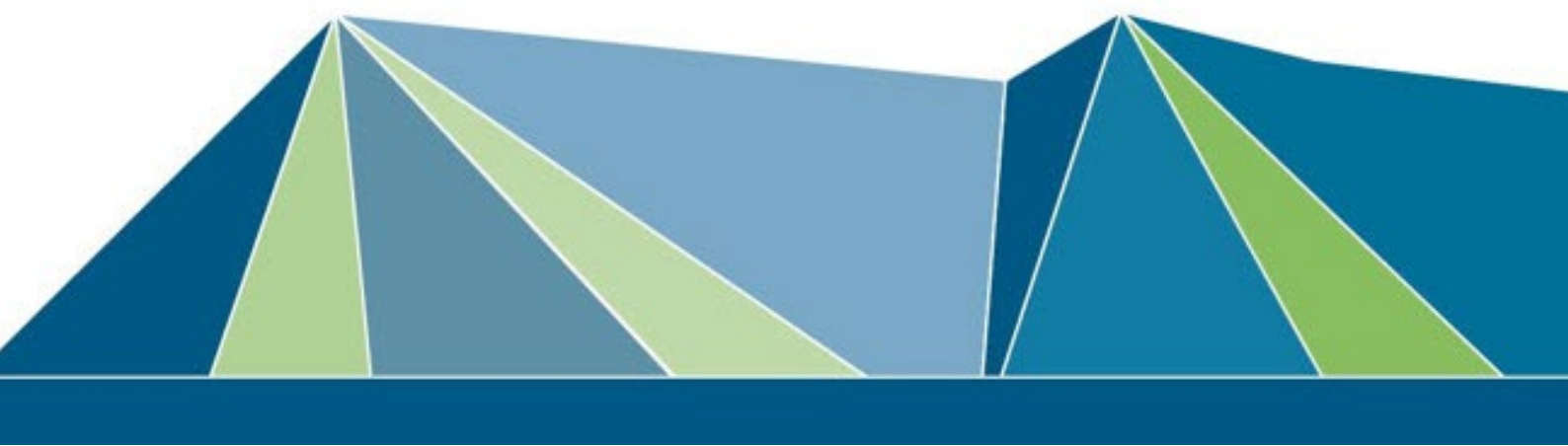

Ballina Shire Council Development Servicing Plan

Water Supply Infrastructure

Ballina Shire Council

11 September 2024

→ The Power of Commitment

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Executive Summary

This Development Servicing Plan (DSP) covers drinking water developer charges relative to the development areas serviced by Ballina Shire Council (BSC).

This DSP has been prepared in accordance with the *2016 Developer Charges Guidelines for Water Supply, Sewerage and Stormwater* released by the Minister for Lands and Water pursuant to section 306 (3) of the *Water Management Act 2000*. The *2016 Developer Charges Guidelines* update the *Water Supply, Sewerage and Stormwater Guidelines, 2002* and modify them in accordance with the recommendations of the IPART Review Report.

The areas covered by this DSP, and the existing and proposed works serving the area, are shown in Appendix A and summarised in Table E.1.

Existing and future works serving the area covered by this DSP are discussed and shown in Section 4.

Levels of service to be provided in each DSP area are summarised in Section 5.

The water developer charges for the areas covered by this DSP document have been determined as shown in Table E.1 below. Where the capital charges of services areas were found to be within 30% of each other they were agglomerated into a single DSP area. Agglomeration calculation details are included in Section 7.5.

Table E.1 Proposed developer charges

DSP Area	Areas covered	Developer Charge ($/ET)
DSP Area 1	Wollongbar Urban Expansion Area (WUEA) Alstonville Wollongbar Kinvara	$1,831
DSP Area 2	Lennox Head Skennars Head East Ballina Fig Tree Hill Ballina Heights Cumbalum Precinct A North Ballina West Ballina Ballina Island Wardell	$853

Developer charges relating to this DSP document will be reviewed after a period of four to eight years.

In the period between any review, developer charges will be adjusted annually on the basis of the movements in the CPI for Sydney, excluding the impact of GST.

The Developer shall be responsible for the full cost of the design and construction of reticulation works within subdivisions. The design and construction of the works shall be in accordance with Council's development specifications for drinking water services. In addition to this drinking water DSP there are other Council plans that apply to provision of infrastructure for developments.

Background information containing all the critical data including calculation models behind each DSP is available on request.

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Table index

Appendices

1. Introduction

Section 64 of the *Local Government Act 1993* enables a local government council or water utility to levy developer charges for water supply, sewerage and stormwater. This derives from a cross-reference in that Act to section 306 of the *Water Management Act 2000*.

A Development Servicing Plan (DSP) details the water, sewerage and recycled water developer charges to be levied on development areas utilising a water utility's water, sewerage and recycled water infrastructure.

This DSP document covers water supply infrastructure for a number of development areas within the Ballina Shire Council (BSC) service area.

This DSP has been prepared in accordance with the *2016 Developer Charges Guidelines for Water Supply, Sewerage and Stormwater* issued by the Minister for Land and Water Conservation pursuant to section 306 (3) of the *Water Management Act 2000*.

This DSP document supersedes any other requirements related to water supply infrastructure developer charges for the area covered by this DSP. This DSP document takes precedence over any of Council's codes or policies where there are any inconsistencies relating to drinking water developer charges.

1.1 Purpose of the Plan

The purpose of this DSP document is to set out the contributions payable by developments to the authority responsible for providing infrastructure and other facilities.

In developing this DSP and calculation of the contributions payable, the following aims and objectives have been taken into consideration:

– Ensure that adequate water supply infrastructure is provided for as part of new developments.
– Provide a comprehensive strategy for the assessment, collection, expenditure accounting and review of contributions on an equitable basis.
– Ensure that the existing community is not burdened by the provision of water supply infrastructure as a result of future development.
– Enable BSC to be both publicly and financially accountable in its assessment and administration of the DSP.

1.2 Limitations

This report: has been prepared by GHD for Ballina Shire Council and may only be used and relied on by Ballina Shire Council for the purpose agreed between GHD and Ballina Shire Council as set out above of this report.

GHD otherwise disclaims responsibility to any person other than Ballina Shire Council arising in connection with this report. GHD also excludes implied warranties and conditions, to the extent legally permissible.

GHD has prepared this report on the basis of information provided by Ballina Shire Council and others who provided information to GHD (including Government authorities)], which GHD has not independently verified or checked beyond the agreed scope of work. GHD does not accept liability in connection with such unverified information, including errors and omissions in the report which were caused by errors or omissions in that information.

Where estimates of potential costs are provided with an indicated level of confidence, notwithstanding the conservatism of the level of confidence selected as the planning level, there remains a chance that the cost will be greater than the planning estimate, and any funding would not be adequate. The confidence level considered to be most appropriate for planning purposes will vary depending on the conservatism of the user and the nature of the project. The user should therefore select appropriate confidence levels to suit their particular risk profile.

The services undertaken by GHD in connection with preparing this report were limited to those specifically detailed in the report and are subject to the scope limitations set out in the report.

The opinions, conclusions and any recommendations in this report are based on conditions encountered and information reviewed at the date of preparation of the report. GHD has no responsibility or obligation to update this report to account for events or changes occurring subsequent to the date that the report was prepared.

2. Administration

2.1 DSP Name and area covered

This Development Servicing Plan (DSP) is known as *Ballina Shire Council Development Servicing Plan for Water Supply Infrastructure*. A separate DSP document has been prepared for sewerage to minimise number of DSP's while maintaining clarity.

The basis for defining the DSP service area boundaries is detailed in Section 7.2.

Where the capital charges for two or more service areas are within 30%, they must be agglomerated into a single DSP area. Following agglomeration of service areas, two (2) DSP areas were established as shown in Table 2.1.

Table 2.1 DSP Area summary

DSP Name	Localities covered	Service Areas included
DSP Area 1	– Wollongbar Urban Expansion Area (WUEA) – Alstonville – Wollongbar – Kinvara	– Service Area C – Service Area E – Service Area G
DSP Area 2	– Lennox Head – Skennars Head – East Ballina – Fig Tree Hill – North Ballina – West Ballina – Ballina Island – Ballina Heights – Cumbalum Precinct A – Wardell	– Service Area A – Service Area B – Service Area F

2.2 Payment of Developer Charges

Developer charges will be determined and levied in accordance with the provisions of this DSP document at the time of considering an application for a compliance certificate under section 305 of the *Water Management Act 2000* or a construction certificate under section 109 of the *Environmental Planning and Assessment Act 1979* or at the time of issuing a notice or other form of written advice, e.g. under the *SEPP (Exempt and Complying Development Codes) 200*8. The time limit for payment of developer charges will be included in the notice of determination or will be advised to the developer by a separate notice. The amount of any developer charges not paid within the specified time limit will lapse. Any subsequent determination of developer charges will be made in accordance with council's then current DSP. The number of ET's that a developer will be charged for shall be determined from the average annual residential water consumption of 180 kL/a/ET (see Section 5).

BSC is not a member of the Energy and Water Ombudsman (EWON).

3. Demographic and land use planning information

3.1 Growth projections

Growth projections for water supply of Equivalent Tenements (ETs) are shown in Table 13.1 within Section 13. These projections are from the present year until 2053, which is 30 years in the future. The number of ETs from January 1996 (i.e. year 1995/96) are also presented.

Projected ET growth in this document is for the purpose of capital works planning only. Actual population growth will be subject to the rezoning process and Council Development Approval.

A number of key development areas, identified for future land supply in Ballina Shire, have been included in this plan for the purposes of determining infrastructure capacity and works within the plan. These areas are presented in Appendix A, see section 12 (Plans). In addition, future development and infill growth has also been identified through all the Development Servicing Areas.

ET calculations are included in Section 7.3 of the DSP document.

3.2 Land use information

This DSP should be read in conjunction with:

- Alstonville Strategic Plan 2017 - 2037
- Ballina Local Environmental Plan (1987) (BLEP)
- Ballina Local Environmental Plan 2012
- Ballina Shire Affordable Housing Strategy 2010
- Ballina Shire Development Control Plan 2012
- Ballina Shire Growth Management Strategy
- Cumbalum Structure Plan 2006
- Lennox Head Structure Plan 2004
- Local Strategic Planning Statement
- Wardell Strategic Plan 2015-2035
- West Ballina Planning Study and Structure Plan 2010
- Wollongbar Strategic Plan 2039

These documents are available from BSC.

4. Water supply infrastructure

This DSP levies developer charges towards the cost of providing water supply infrastructure to service new development. This infrastructure includes the value of both existing and future water supply assets serving a new development area.

Assets covered by this DSP include, but are not limited to:

– Existing distribution and trunk mains
– Existing water pumping stations
– Existing water reservoirs
– Proposed trunk infrastructure

BSC is progressively developing master plans for drinking water, recycled water and wastewater network assets to assist in guiding business decisions around the servicing of future customer demands.

At the Council meeting of 15 December 2022 it was resolved to negotiate the transfer of the Marom Creek water supply assets to Rous County Council, and defer planned capital works until the transfer process is finalised. Council is currently in the process of negotiating this transfer which is anticipated to be complete within the short to medium term, and well within the planning timeframes for the DSP. All assets associated with the Marom Creek water supply have therefore been excluded from this DSP.

Developer charges relating to headworks and treatment components for Wardell will be applied by Rous County Council through the bulk water supply DSP.

Water supply infrastructure

BSC provides water supply services to approximately 15,000 properties. All trunk infrastructure is provided by BSC. A trunk water network model was developed to inform the development of the water network master plan and DSP. The modelled network currently contains:

– Four council-owned water pump stations (WPSs)
– Eight water supply reservoirs and two header tanks
– 58 km transfer mains
– 274 km reticulation mains
– 10 pressure reducing valves

Refer to the following documents for further details:

– Ballina Water and Wastewater Assets Master Plan – Drinking Water Hydraulic Modelling Report (GHD, April 2022).
– Ballina Water and Wastewater Assets Master Plan – Water Network 2045 Master Plan (GHD, April 2023).

The existing and proposed water supply major works serving the area covered by this DSP document are shown on plans in Appendix A.

4.1 Existing capital costs

Contributions may be obtained for providing, extending or augmenting assets required, or likely to be required, to provide services to a development area.

Capital costs for existing assets were only included into capital charges if they met the following criteria:

– Asset commission date less than 30 years before the date the DSP comes into effect.
– Asset to be utilised by future development.

– Asset is owned and paid for by council. Assets that could not be proven as trunk infrastructure or that were provided by developers were excluded. This excluded the following assets:
    - Water valves, hydrants, end caps and junction points
    - Water mains with DN < 200 mm

The estimated MEERA capital cost of existing water assets serving the area covered by this DSP document are shown in Appendix B.

The MEERA capital costs for the water supply infrastructure were provided by BSC. All council assets were revalued in July 2021 and CPI indexed to 2022/2023 dollars.

4.2 Future capital works program

Future capital works expenditure included in BSC's Total Asset Management Plan (TAMP) and Long Term Financial Plan (LTFP) have been applied to the DSP including asset renewals and treatment plant upgrades. The TAMP was developed using the guidelines set out in the International Infrastructure Management Manual and is part of Council's Integrated Planning and Reporting Framework. The TAMP is updated every four years and the LTFP is updated annually by BSC. The TAMP is due for review in 2023, therefore, only future capital works within the next 5 years have been included as there is no updated TAMP.

BSC Water Network Master Plans identified some additional capital works required within five years. These works were included in the DSP charge calculation.

Renewals to assets over 30-years old at the commencement of this DSP (and thus excluded from the existing asset category) and required within five years of the commencement of this DSP have also been included in the capital charge. Where the following could not be established, renewals works were not included in the capital charge calculation:

– Age of the asset being renewed at the commencement of this DSP
– Location of the asset being renewed
– Year renewals works are to be undertaken
– Cost of the renewal works

All identified future capital works will be provided by BSC therefore contribute towards the DSP charge.

Actual tender cost or construction costs were adopted for future capital works when known. Otherwise, capital costs were estimated using the *NSW Reference Rates Manual: valuation of water supply, sewerage and stormwater assets 2014 (Department of Primary Industries, Office of Water)* escalated according to *NSW Water Supply and Sewerage Construction Cost Indices (June 2022 Update)*. A contingency of 20% was applied to cost estimates.

The timing and expenditure for water supply capital works serving the area covered by this DSP document are shown in Appendix C.

Dates identified for completion of future works are approximate only and are contingent on development proceeding.

4.3 Reticulation works

The developer shall be responsible for the full cost of the design and construction of water supply reticulation works within subdivisions. The design and construction of the works shall be in accordance with BSC's development specifications for water supply services.

5. Levels of service

BSC system design and operation are based on providing the levels of service (LOS) presented in this section. The LOS were developed as part of the Strategic Business Plan (SBP) and Community Strategic Plan (CSP). Consultation on the proposed LOS was undertaken during the development of the SBP and CSP. The LOS applied to BSC's Water supply and sewerage systems are the target that BSC aims to achieve. They are not a customer contract. System design and operation are based on providing the following LOS.

The key levels of service provided are:

– Average annual water to be supplied for one detached residential dwelling (1 ET) is 180 kL.
– Water quality to comply with Council's Drinking Water Quality Policy, the Public Health Act (2010), the Australian Drinking Water Guidelines and the NSW Best Practice Management Guidelines.
– Minimum water pressure of 12 metres at the property boundary for at least 90% of properties.
– Water quality complaints less than 10 per 1,000 connected properties per annum.
– Nil unplanned interruptions greater than six hours.
– Nil programmed interruptions greater than 12 hours.
– The system performance objectives are expected to align with the supply standards set out in the Water Services Associations of Australia (WSAA) code and BSC's customer service charter. These supply standards provide an overall customer expectation of the system such as reliability, resilience, demands and water quality. A summary of system performance objectives are outlined in Table 5.1.

Table 5.1 System performance criteria

Item	Design Criteria	Target	Source[1]
Reservoirs	Sizing	One Peak Day Demand	10
Pump Stations (PS)	Pump Capacity	-Peak day demand rate for PSs which are solely filling reservoirs. -Between peak day and peak hour demand rate for PSs servicing both reservoirs and areas along the way. -Peak hour demand rate for pressure boosting pumping stations.	9
Trunk Mains	-	Peak Day Demands	10
Reticulation Mains	Minimum Pressure (m) Maximum pressure (m) Maximum unit headloss (m/km) Maximum velocity (m/s)	20 m – Residential 25 m – Non-residential 80 m 5 m/km for ≤ DN150 3 m/km for ≥ DN200 2 m/s (the optimum velocity is in the range 0.8 m/s to 1.4 m/s)	8, 9, 10
Fire Fighting Flow	Minimum residual pressure (m)	Firefighting pressure shall be 12 m for each node and at common residential buildings not exceeding 25 m in height.	8
Maximum velocity	-	2 m/s for reticulation mains 1.5 m/s pump suction and suction manifold 2.5 m/s pump discharge and discharge manifold	9
Reservoirs	Turnover and operating levels	Desirable maximum of 48 hours	
Reticulation Mains	Waterage	Maximum of 14 days	

[1] Refer to Section 9

6. Design parameters

To determine the infrastructure requirements over the planning horizon, the trunk water supply network was modelled using MIKE+ software by DHI, to determine the performance of the existing and proposed systems under projected hydraulic demands.

As outlined in Section 4.2 future capital works expenditure included in BSC's TAMP and LTFP have been applied to the DSP.

Investigation and design of water supply system components is based on the Water Supply Investigation Manual (1986).

The following technical reports relate to the system components in this DSP document:

– Ballina Water and Wastewater Assets Master Plan –Water Hydraulic Modelling Report (GHD, April 2022).
– Ballina Water and Wastewater Assets Master Plan – Water Network 2045 Master Plan (GHD, April 2023).
– Ballina Shire Council Development Servicing Plan for Water Supply Infrastructure (Adopted by Council: 27 February 2015).
– Section 64 Determinations of Equivalent Tenements Guidelines (Water Directorate, April 2017).
– Specification D11 – Water Supply Version 3.0 (AUS-SPEC, May 2009).
– Water Supply Code of Australia (WSA 03-2011-3.1).

7. Developer charges calculation

Developer charges are comprised of the following components:

– Capital charge – the cost of providing the asset, and
– Reduction amount – the cost recovered through annual charges.

The relationship between these components is as follows:

Developer Charge = Capital Charge – Reduction Amount

7.1 Summary

The developer charges for water supply for the area covered by this document are presented in Table 7.1.

Table 7.1 DSP Area Developer Charges summary

DSP Area	Capital Charge ($ per ET)	Reduction Amount ($ per ET)	Calculated Maximum Developer Charge ($/ET)	Adopted Developer Charge ($ per ET)[3]
DSP Area 1: – Area C – WUEA – Area E – Alstonville / Wollongbar – Area G – Kinvara	$2,945	$1,114	$1,831	$1,831
DSP Area 2: – Area A – Wardell	$1,967	$1,114	$853	$853

[3] See section 7.7

DSP Area	Capital Charge ($ per ET)	Reduction Amount ($ per ET)	Calculated Maximum Developer Charge ($/ET)	Adopted Developer Charge ($ per ET)[3]
– Area B_2 – Lennox Head – Area B_1 – Ballina – Area F – Ballina Heights / Cumbalum				

These amounts have been calculated on the basis of the Sections 7.2 to 7.7 below.

7.2 Service areas

Developer charges were initially calculated for a number of different service areas within the Ballina Shire Local Government Area.

Service areas were determined by Council based on bulk supply points/separate water supply distribution system and size of new development areas.

The adopted service areas are detailed in Table 7.2 below.

Table 7.2 Service areas

Name of Service Area	Localities included
Service Area A - Wardell	Wardell
Service Area B – Lennox Head and Ballina	Lennox Head Skennars Head East Ballina Fig Tree Hill North Ballina West Ballina Ballina Island Pacific Pines Estate Henderson Land Central and South
Service Area C - Wollongbar Urban Expansion Area (WUEA)	Release area known as the Wollongbar Urban Expansion Area (WUEA)
Service Area E - Alstonville	Alstonville and Wollongbar
Service Area F - Ballina Heights / Cumbalum	Existing and future development in Cumbalum Precinct A Existing and future development in Ballina Heights
Service Area G - CURA B (Kinvara)	Kinvara

The basis for defining the DSP service area boundaries is summarised below:

– An area served by a separate water supply system.
– Separate small towns or villages.
– A new development area of over 500 lots.

7.3 Equivalent Tenements (ETs)

To best represent drinking water ETs, an annual loading of 180 kL/annum/ET was adopted for this DSP as per *Section 64 Determinations of Equivalent Tenements Guidelines* (Water Directorate, 2017). This volume does not include non-revenue water (NRW), it only accounts for the direct demand added to the network due to customers.

This was derived from careful consideration of average water demand using historical consumption from BSC's billing data records, and supply data from flowmeter records. For dual-reticulation areas, this water consumption rate per ET is made up of both drinking water and recycled water supply volumes.

New ETs from future development starting 2020 were calculated using the defined water ET loading of 180 kL/a/ET. The projected future development areas and dwelling increases across the Shire, were based on:

– Areas assumed for future land release,
– Areas identified as part of the BSC Growth Management Strategy, and
– Potential for Infill Development.

Projected growth and loading are detailed in the following reports:

– Ballina Water and Wastewater Assets Master Plan – Drinking Water Hydraulic Modelling Report (GHD, April 2022).
– Ballina Water and Wastewater Assets Master Plan - Water Network 2045 Master Plan Draft (GHD, April 2023).

Water consumption data from 1996 is not available. BSC estimated the number of past ETs using residential population records, interpolating ET figures backwards from the current population for each service area.

ET projections and past populations for each service area are provided in full in Section 13 and summarised below in Table 7.3. The ET's in January 1996 are also indicated.

Table 7.3 Water supply ET projections

Number of ETs						
Year	**Service Area A**	**Service Area B**	**Service Area C**	**Service Area E**	**Service Area F**	**Service Area G**
1995/96	423	10,798	0	2,486	0	0
2023/24	505	15,583	406	3,270	1,485	0
2053/54	1,221	18,075	843	4,039	2,228	2,666

Projected ET growth in this document is for the purpose of capital works planning only. Actual population growth will be subject to the rezoning process and Council Development Approval.

7.4 Capital charge

The capital charge for each service area covered by this DSP document has been calculated using the NPV spreadsheet method in accordance with the *2016 Developer Charges Guidelines for Water Supply, Sewerage and Stormwater*.

Under the NPV spreadsheet method, the capital cost of relevant assets and projected ETs served in a service area are entered into a spreadsheet. These capital costs are only for the share of the asset capacity used in the service area. The present value (PV) of capital cost and the PV of new ETS are calculated, and the capital charge per ET is the PV of the capital cost divided by the PV of the ETs.

Calculation details for PV of ETs and PV of capital costs for water supply areas are provided in Appendix D.

The summary of the water capital charge calculations is shown in Table 7.4.

Table 7.4 Summary of capital charges for water supply

Area	PV of New ETs for pre-1996 assets @3%	PV of New ETs for post-1996 assets @5%	PV of capital cost for pre-1996 assets @3%	PV of capital cost for post-1996 assets @5%	Capital charge for pre-1996 assets ($/ET)	Capital charge for post-1996 assets ($/ET)	Capital charge ($/ET)
Service Area A	268	144	$66,545	$252,769	$249	$1,752	$2,001
Service Area B	4191	3094	$1,013,903	$5,898,432	$242	$1,907	$2,149
Service Area C	394	244	-	$917,979	-	$3,755	$3,755
Service Area E	808	572	$173,978	$1,561,231	$215	$2,728	$2,944
Service Area F	1146	771	-	$1,196,924	-	$1,553	$1,553
Service Area G	844	404	-	$1,110,612	-	$2,747	$2,747

7.5 DSP areas

Table 7.5 below shows agglomeration of service areas into DSP areas of within 30% of highest capital charge.

Table 7.5 Agglomeration of Service Areas

DSP Area Number	Service Area	Capital Charge	% of highest capital charge DSP Area 1	% of highest capital charge DSP Area 2
1	WUEA (C)	$3,755	100%	
	Alstonville / Wollongbar (E)	$2,944	78%	
	Kinvara (G)	$2,747	73%	
2	Ballina (B)	$2,149	57%	100%
	Wardell (A)	$2,001		93%
	Cumbalum / Ballina Heights (F)	$1,553		72%

Weighted average capital charge is calculated by weighting the charge in each service area by the PV of new ETs. The calculation is shown in Table 7.6 below.

Table 7.6 Weighted Average Capital Charge

DSP Area	Service Area	Capital Charge for Service Areas ($ per ET)	New ETs	PV of New ETs	Proportion of PV of new ETs in each DSP area	Weighted component of the capital charge for each DSP area ($ per ET)	Weighted capital charge for each DSP area ($ per ET)
1	WUEA (C)	$3,755	455	387	15.7%	$591	$2,945
	Alstonville / Wollongbar (E)	$2,944	776	489	19.9%	$585	
	Kinvara (G)	$2,747	2,666	1,585	64.4%	$1,769	
2	Ballina (B)	2,149	2,550	1,736	60.0%	$1,289	$1,967
	Wardell (A)	2,001	720	365	12.6%	$252	
	Cumbalum / Ballina Heights (F)	1,553	895	791	27.4%	$425	

Utility wide weighted average capital charge: $2,417 per ET.

7.6 Reduction amount

NPV of Annual Bills method was used to calculate the Reduction Amount.

This method involves calculation of the PV of the future net income, which is the difference between the revenue from annual bills, and annual operation, maintenance and administration cost (OMA cost), projected for new development over the next 30 years. This is divided by the PV of the new ETs over 30 years to give the reduction amount.

The reduction amount was derived using water 2021/22 OMA costs and annual billing data.

Annual billing total of $653.40 per ET was established using the following derivation:

– The 2021/22 usage charge per kL of water was $2.43.
– Adopted water consumption per ET for future development was 180 kL/year.
– The access charge for a 20 mm residential service was $216.00.

OMA annual cost per ET of $574.03 was established by dividing the 2021/2022 OMA total of $11.9 million (nominal value) by the number of 2021/2022 water ETs. It is assumed that OMA costs are consistent between different service areas. It is estimated than any increases to OMA costs will be roughly matched by increased future billing. Therefore, the reduction amount will remain consistent throughout future years.

The calculated reduction amount was $1,141 per ET. For this calculation, please refer to Table 7.7. The annual bill, OMA cost and resulting reduction amount are summarised below:

Annual water bill at the commencement of the DSP = $653.40 per ET

OMA cost at the commencement of the DSP = $574.03 per ET

Net Income = PV (Annual bill – OMA cost) / PV new ETs = $79.37 per ET

Table 7.7 Reduction Amount Calculation

Year	Total ETs	New ETs per year	PV (New ETs) summed over 30 years @ 5%	Cumulative New ETs	Net Income from New ETs ($'000)	PV (Net Income) from new ETs summed over 30 years @ 5% ($'000)	Reduction Amount ($ per ET)
2022/23	21,010						
2023/24	21,250	240	5,353	240	19	5,962	1,114
2024/25	21,675	425		665	53		
2025/26	21,972	297		962	76		
2026/27	22,700	728		1,690	134		
2027/28	23,209	509		2,199	175		
2028/29	23,582	373		2,572	204		
2029/30	23,955	373		2,944	234		
2030/31	24,447	492		3,436	273		
2031/32	24,699	252		3,689	293		
2032/33	25,961	1,262		4,951	393		
2033/34	26,154	193		5,144	408		
2034/35	26,348	193		5,337	424		
2035/36	27,061	714		6,051	480		
2036/37	27,220	159		6,210	493		

Year	Total ETs	New ETs per year	PV (New ETs) summed over 30 years @ 5%	Cumulative New ETs	Net Income from New ETs ($'000)	PV (Net Income) from new ETs summed over 30 years @ 5% ($'000)	Reduction Amount ($ per ET)
2037/38	27,379	159		6,369	505		
2038/39	27,538	159		6,527	518		
2039/40	27,695	158		6,685	531		
2040/41	28,348	652		7,337	582		
2041/42	28,506	159		7,496	595		
2042/43	28,665	159		7,655	608		
2043/44	28,824	159		7,814	620		
2044/45	28,849	25		7,838	622		
2045/46	28,873	25		7,863	624		
2046/47	28,898	25		7,888	626		
2047/48	28,923	25		7,913	628		
2048/49	28,948	25		7,937	630		
2049/50	28,972	25		7,962	632		
2050/51	28,997	25		7,987	634		
2051/52	29,022	25		8,012	636		
2052/53	29,047	25		8,036	638		
2053/54	29,071	25		8,061	640		

7.7 Cross-subsidy

The Guidelines permit Local Government Authorities to cross-subsidise the calculated developer charge for an area, provided the extent of cross-subsidisation is fully disclosed. It is also noted that a developer charge cannot be cross-subsidised from one area to another. Instead, a developer charge for a particular area can be cross-subsidised via a corresponding change in the annual charge being paid through water rates.

This final Developer Charge does not include a cross-subsidy.

8. Reviewing/updating of calculated developer charges

Developer charges will be adjusted on 1 July each year on the basis of movements in the CPI for Sydney, in the preceding 12 months to December, excluding the impact of GST.

Developer charges will be reviewed by Council after a period of four to eight years.

9. Background information

The following documents used as references as part of this DSP:

1. *2016 Developer Charges Guidelines for Water Supply, Sewerage and Stormwater* (Department of Primary Industries – Water).
2. *NSW Reference Rates Manual : valuation of water supply, sewerage and stormwater assets 2014* (Department of Primary Industries, Office of Water).
3. *NSW Water Supply and Sewerage Construction Cost Indices (June 2022 Update).*
4. *Water Supply Investigation Manual (1986).*
5. *Section 64 Determinations of Equivalent Tenements Guidelines (Water Directorate, April 2017).*
6. Ballina Shire Council water supply and sewerage strategic business plan, which is available on Council's website.
7. *NSW Water and Sewerage Strategic Business Planning Guidelines, NSW Office of Water, July 2011*, (available at www.water.nsw.gov.au).
8. Specification D11 – Water Supply Version 3.0 (AUS-SPEC, May 2009).
9. Water Supply Code of Australia (WSA 03-2011-3.1).
10. *Ballina Shire Council Development Servicing Plan for Water Supply Infrastructure (BSC, February 2015).*
11. BSC Integrated Planning and Reporting (available on Council's website: **https://ballina.nsw.gov.au/integrated-planning-and-reporting**).

Background information containing all the critical data including calculation models behind each DSP (Appendices C – E) is available from Council on request (e.g. on CD/USB). Contact Council's Records and Information team, telephone 1300 864 444.

10. Other DSPs and related contribution plans

Other DSP's and related plans include:

1. *Section 64 Determinations of Equivalent Tenements Guidelines (Water Directorate, April 2017).*
2. *Ballina Shire Council Development Servicing Plan for Sewerage and Recycled Water Infrastructure (Draft to Council: 22 June 2023).*
3. *Cumbalum Urban Release Area Precinct A Contributions Plan 2015.*
4. *Rous County Council Water Development Servicing Plan 2023.*
5. *Ballina Water and Wastewater Assets Master Plan - Drinking Water Hydraulic Modelling Report* (GHD, April 2022).
6. *Ballina Water and Wastewater Assets Master Plan - Water Network 2045 Master Plan* (GHD, April 2023).

Ballina Shire Council also levies developer contributions for various public amenities under Section 7.11 of the *Environmental Planning and Assessment Act, 1979*.

11. Glossary

Annual Bill	LWU's annual water supply or sewerage bill for an annual demand of 1 ET.
Asset	An asset (or part of an asset) including land and headworks assets that directly provides, or will provide, the developer services to developments within the DSP area for which the Developer Charge is payable.
Background information	Contains all the critical data behind each DSP. This information should be made available electronically to developers on request, e.g. on a CD and should include the calculation models in Excel or similar electronic spreadsheet format, so that all components of the model can be investigated.
Capital Cost	The Present Value (MEERA basis) of all expenditure on assets used to service the development.
Capital Charge	Capital cost of assets per ET adjusted for commercial return on investment (ROI).
CP	Section 94 Contributions Plan.
CPI	Consumer price index.
Developer Charge (DC)	Charge levied on developers to recover part of the capital cost incurred in providing infrastructure to new development.
Development Area	See DSP area.
Discount Rate	The rate used to calculate the present value of money arising in the future.
DSP Document	Development Servicing Plan Document.
DPS area	That part of a water utility's area covered by a particular Development Servicing Plan. Also referred to as Development Area.
EP	Equivalent Persons (or equivalent population). Used as a design parameter for loadings of sewage treatment works.
ET	Equivalent tenement. The annual demand a detached residential dwelling will place on the infrastructure in terms of the water consumption or sewage discharge.
GST	Goods and services tax.
Headworks	Significant assets at the top end of the water systems or the bottom end of the wastewater system.
IPART	The NSW Independent Pricing and Regulatory Tribunal.
kL	Kilolitre (1,000 litres).
LWU	Local water utility (NSW). Excludes Sydney Water Corporation, Hunter Water Corporation, Central Coast Council, Essential Water and Fish River Water Supply.

MEERA	Modern Engineering Equivalent Replacement Asset. An asset value calculated on the basis that the asset is constructed at the time of valuation in accordance with modern engineering practice and the most economically viable technologies, which provides similar utility functions to the existing asset in service.
ML	Megalitre (1,000,000 litres, or 1,000 kilolitres).
Net Income	Annual bill minus OMA cost per ET.
NPV	Net present value means the difference between the Present Value of a revenue stream and the Present Value of a cost stream.
OMA	Operation, maintenance and administration (cost).
Operating Cost	In relation to a DSP is the operation, maintenance and administration cost (excluding depreciation and interest) of a LWU in providing Customer services to a DSP area.
Periodic bills	The periodic bills (generally quarterly) levied by a LWU in accordance with their annual operational plan.
Post-1996 Asset	An asset that was commissioned by a LWU on or after 1 January 1996 or that is yet to be commissioned.
Pre-1996 Asset	An asset that was commissioned by a LWU before 1 January 1996.
PV	Present value. The current value of future money or ETs.
PWWF	Peak wet weather flow. One of the design parameters of flow in sewers.
Real Terms	The value of a variable adjusted for inflation by a CPI adjustment.
ROI	Return on investment. Represents the income that is, or could be, generated by investing money.
Service Area	An area serviced by a separate water supply system, an area served by a separate STW, a separate small town or village, or a new development of over 500 ETs.
TRB	Typical residential bill, which is the principal indicator of the overall cost of a water supply or sewerage system and is the bill paid by a residential customer using the utility's average annual residential water supplied per connected property.
WTP	Water Treatment Plant.

12. Plans

Appendix A contains all DSP Area Figures for Water Supply.

Table 12.1 provides an index to the provided figures. Each figure (excluding 'Service Areas overview' and 'Key development areas' figures) indicates:

– The boundaries to the service areas[4]
– The extent of existing trunk infrastructure
– Planned future upgrades

Table 12.1 Summary of DSP Area Maps for water supply infrastructure

Appendix	Figure number	Scheme	Description
A	1	Water	Service Area Overview
	2	Water	Key Development Areas
	3	Water	Key Development Areas - Inset
	4	Water	Service Area A
	5	Water	Service Area B – North
	6	Water	Service Area B – South
	7	Water	Service Area B – West
	8	Water	Service Area E
	9	Water	Service Area F
	10	Water	Service Area C
	11	Water	Service Area G

[4]The DSP boundaries indicated on all figures represent the extent of the proposed charge boundary. They do not necessarily reflect Council's approval of the extent of the serviceable area. Development within the Service Areas is subject to Rezoning and Development Approval. For further details regarding development within the Service Areas please contact Ballina Shire Council.

13. ET Horizons

The past and projected ET numbers within each service area are summarised in Table 13.1. Formulated using method and assumptions stated in Section 7.3.

Table 13.1 Water Supply ETs

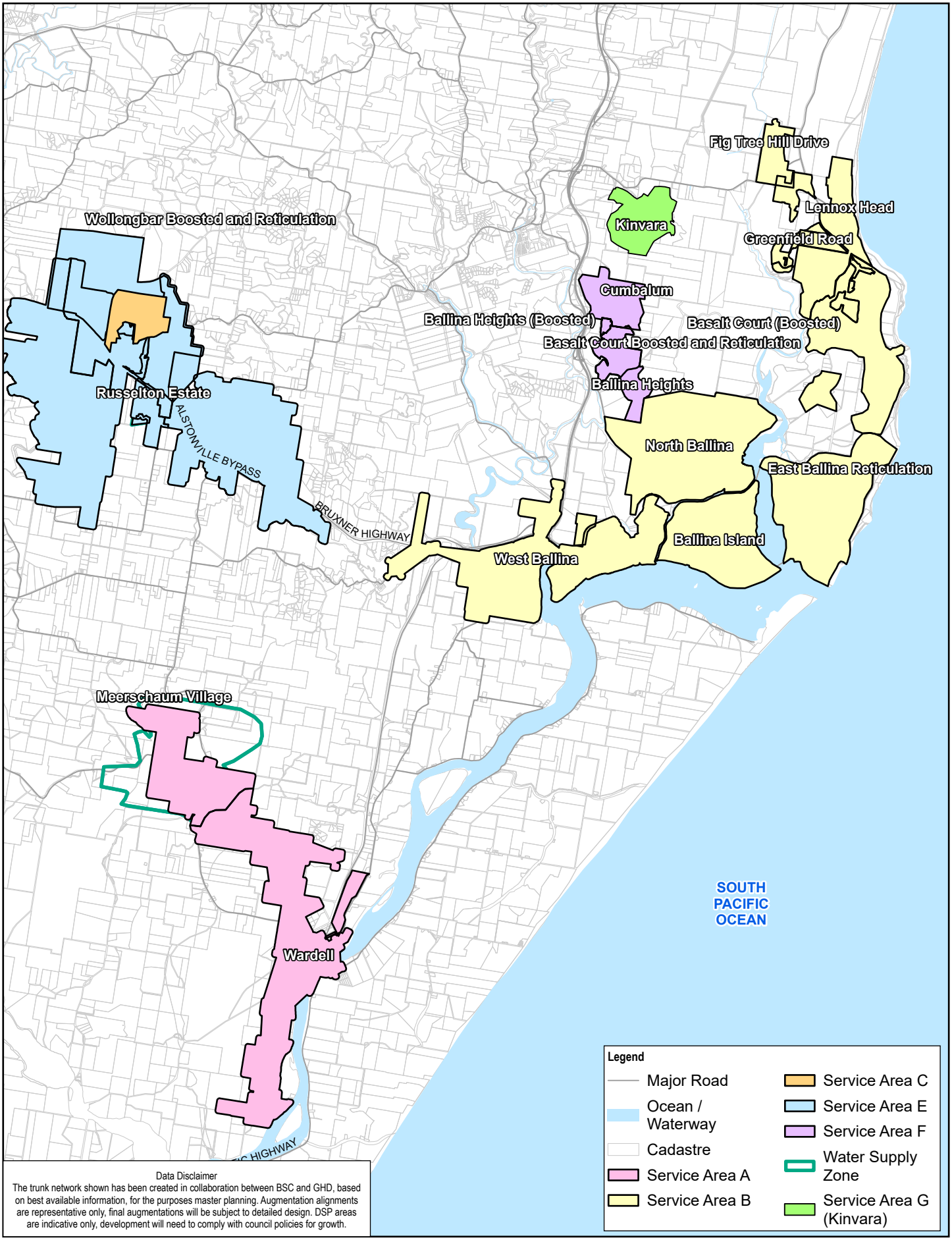
Year	Service Area A	Service Area B	Service Area C	Service Area E	Service Area F	Service Area G
1994/1995	418	10568	0	2459	0	0
1995/1996	423	10798	0	2486	0	0
1996/1997	428	11029	0	2514	0	0
1997/1998	433	11260	0	2541	0	0
1998/1999	438	11491	0	2568	0	0
1999/2000	443	11722	0	2595	0	0
2000/2001	449	11953	0	2622	0	0
2001/2002	449	12008	0	2658	0	0
2002/2003	450	12064	0	2693	127	0
2003/2004	451	12119	0	2728	170	0
2004/2005	452	12175	0	2763	213	0
2005/2006	452	12230	0	2798	256	0
2006/2007	457	12313	0	2809	299	0
2007/2008	462	12396	0	2819	342	0
2008/2009	468	12480	0	2830	385	0
2009/2010	473	12563	0	2840	428	0
2010/2011	478	12646	34	2851	471	0
2011/2012	479	12801	67	2896	514	0
2012/2013	481	12957	101	2940	557	0
2013/2014	483	13112	134	2985	601	0
2014/2015	485	13268	168	3030	644	0
2015/2016	487	13423	201	3075	687	0
2016/2017	488	13868	235	3118	730	0
2017/2018	490	14312	268	3161	773	0
2018/2019	491	14757	302	3204	816	0
2019/2020	492	15201	335	3247	859	0
2020/2021	492	15423	353	3247	1019	0
2021/2022	496	15467	371	3255	1181	0
2022/2023	501	15525	388	3263	1333	0
2023/2024	505	15583	406	3270	1485	0
2024/2025	509	15772	479	3278	1637	0
2025/2026	513	15832	552	3286	1789	0
2026/2027	518	16057	625	3329	2037	134

Year	Service Area A	Service Area B	Service Area C	Service Area E	Service Area F	Service Area G
2027/2028	522	16196	697	3337	2189	268
2028/2029	546	16325	770	3348	2191	402
2029/2030	570	16454	843	3359	2192	536
2030/2031	595	16653	843	3492	2194	670
2031/2032	619	16731	843	3506	2195	804
2032/2033	646	17215	843	3867	2197	1193
2033/2034	674	17234	843	3878	2198	1327
2034/2035	701	17254	843	3889	2200	1461
2035/2036	728	17793	843	3901	2201	1595
2036/2037	732	17805	843	3909	2203	1729
2037/2038	737	17816	843	3916	2204	1863
2038/2039	741	17827	843	3924	2206	1997
2039/2040	745	17839	843	3932	2207	2130
2040/2041	1166	17927	843	3939	2209	2264
2041/2042	1170	17938	843	3947	2210	2398
2042/2043	1175	17949	843	3954	2212	2532
2043/2044	1179	17961	843	3962	2213	2666
2044/2045	1183	17972	843	3970	2214	2666
2045/2046	1187	17984	843	3977	2216	2666
2046/2047	1191	17995	843	3985	2217	2666
2047/2048	1196	18006	843	3993	2219	2666
2048/2049	1200	18018	843	4000	2220	2666
2049/2050	1204	18029	843	4008	2222	2666
2050/2051	1208	18041	843	4016	2223	2666
2051/2052	1213	18052	843	4023	2225	2666
2052/2053	1217	18064	843	4031	2226	2666
2053/2054	1221	18075	843	4039	2228	2666

Appendices

Appendix A

Water Supply DSP Figures



Data Disclaimer
The trunk network shown has been created in collaboration between BSC and GHD, based on best available information, for the purposes master planning. Augmentation alignments are representative only, final augmentations will be subject to detailed design. DSP areas are indicative only, development will need to comply with council policies for growth.

Paper Size ISO A4

0 1 2 3 4

Kilometres

Map Projection: Transverse Mercator
Horizontal Datum: GDA 1994
Grid: GDA 1994 MGA Zone 56

N

GHD

Ballina Shire Council
Development Servicing Plan:
Drinking Water Supply

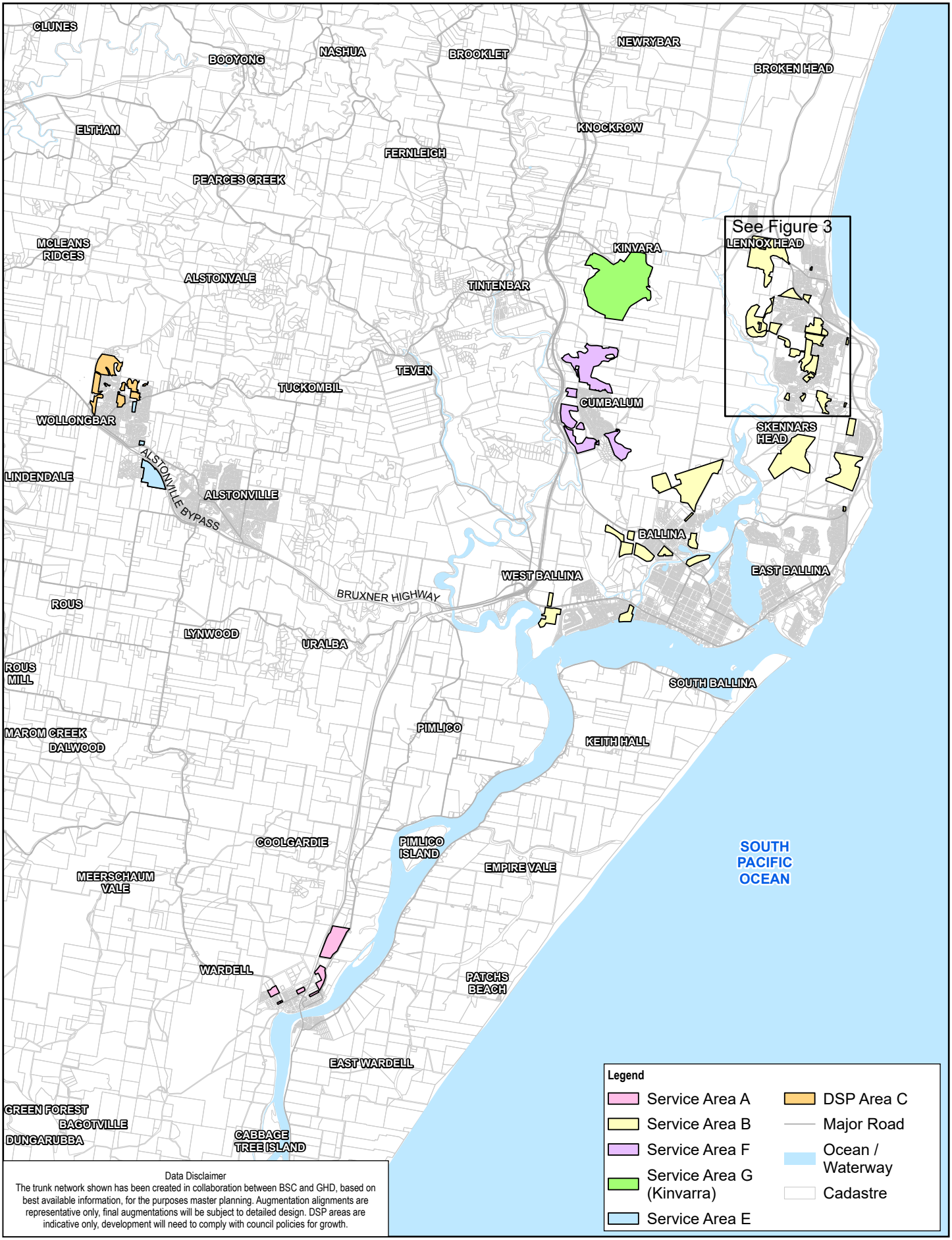
Project No. **12512785**
Revision No. **0**
Date **13/03/2024**

Service Area Overview

FIGURE 1

\\ghdnet\ghd\AU\Sydney\Projects\22\12512785\GIS\Maps\WaterSupplyInfrastructure_DSP_0.aprx
Print date: 13 Mar 2024 - 13:37

Data source: BSC/GHD: Water supply zones, Key Development Areas; DTDB: Major Roads, HydroArea; DCDB: Cadastre, Suburb. Created by: bkaemmerling



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Paper Size ISO A4

0 1 2 3 4

Kilometres

Map Projection: Transverse Mercator
Horizontal Datum: GDA 1994
Grid: GDA 1994 MGA Zone 56

N

Ballina Shire Council
Development Servicing Plan:
Drinking Water Supply

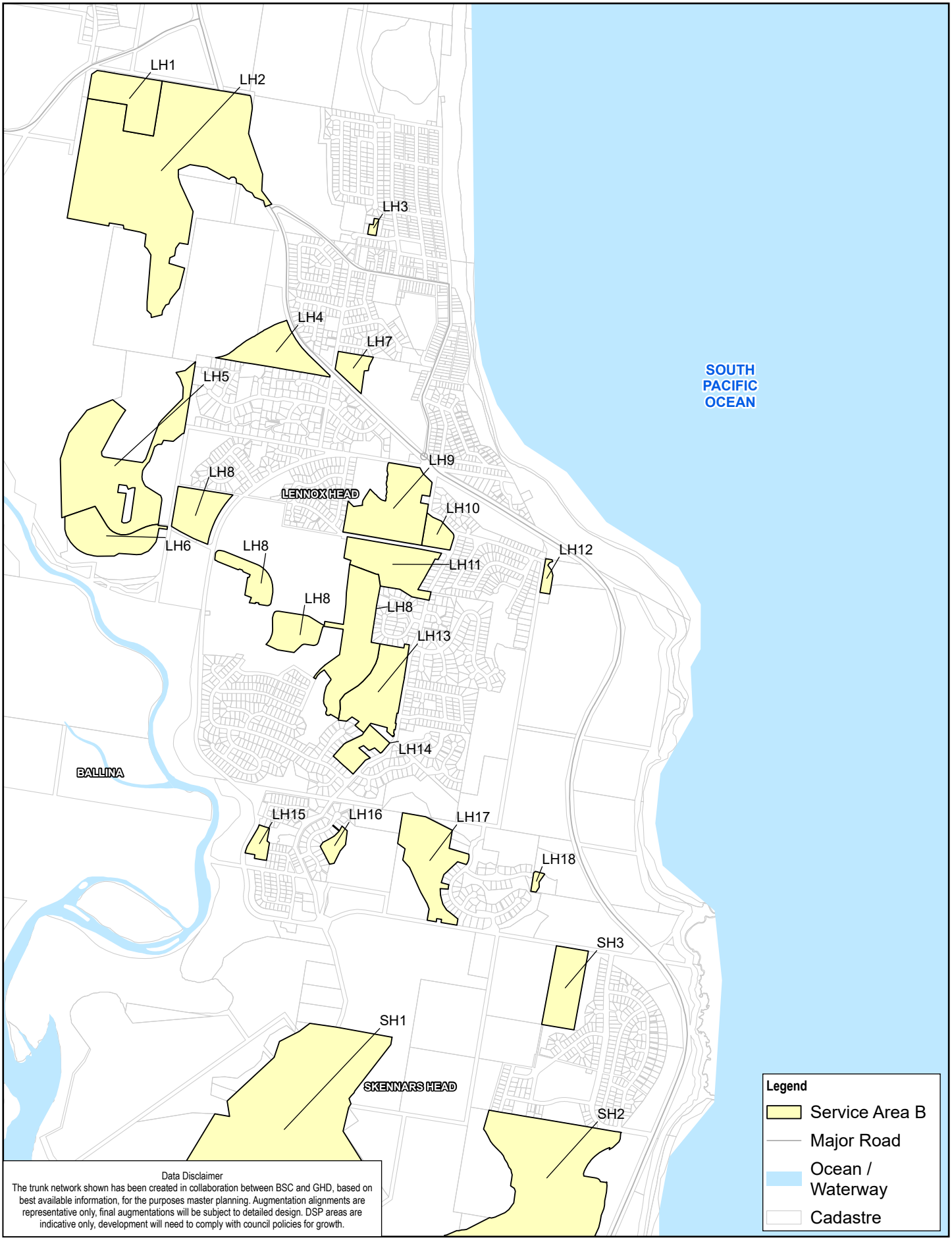
Project No. **12512785**
Revision No. **0**
Date **12/03/2024**

Key Development Areas

FIGURE 2

\\ghdnet\ghd\AU\Sydney\Projects\22\12512785\GIS\Maps\WaterSupplyInfrastructure_DSP_A.aprx
Print date: 12 Mar 2024 - 12:02

Data source: BSC/GHD: Water supply zones, Key Development Areas; DTDB: Major Roads, HydroArea; DCDB: Cadastre, Suburb. Created by: eibbertson



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Paper Size ISO A4

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Kilometers

Map Projection: Transverse Mercator
Horizontal Datum: GDA 1994
Grid: GDA 1994 MGA Zone 56

N

Ballina Shire Council
Development Servicing Plan:
Drinking Water Supply

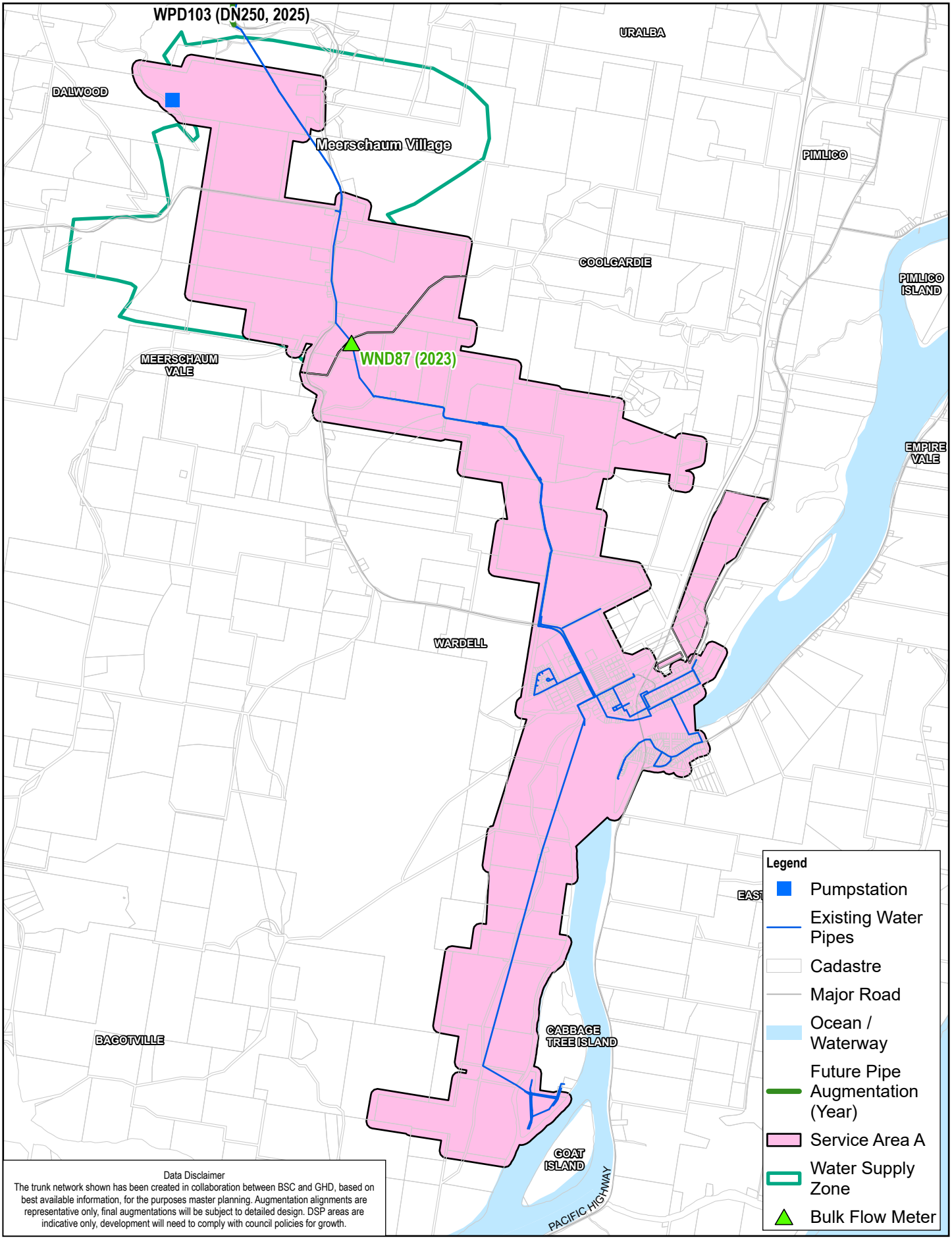
Project No. **12512785**
Revision No. **0**
Date **12/03/2024**

Key Development Areas

FIGURE 3

\\ghdnet\ghd\AU\Sydney\Projects\22\12512785\GIS\Maps\WaterSupplyInfrastructure_DSP_A.aprx
Print date: 12 Mar 2024 - 12:02

Data source: BSC/GHD: Water supply zones, Key Development Areas; DTDB: Major Roads, HydroArea; DCDB: Cadastre, Suburb. Created by: eibbertson



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Paper Size ISO A4
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Kilometers

Map Projection: Transverse Mercator
Horizontal Datum: GDA 1994
Grid: GDA 1994 MGA Zone 56

N

GHD

Ballina Shire Council
Development Servicing Plan:
Drinking Water Supply

Service Area A

Project No. **12512785**
Revision No. **0**
Date **12/03/2024**

FIGURE 4

\\ghdnet\ghd\AU\Sydney\Projects\22\12512785\GIS\Maps\WaterSupplyInfrastructure_DSP_A.aprx
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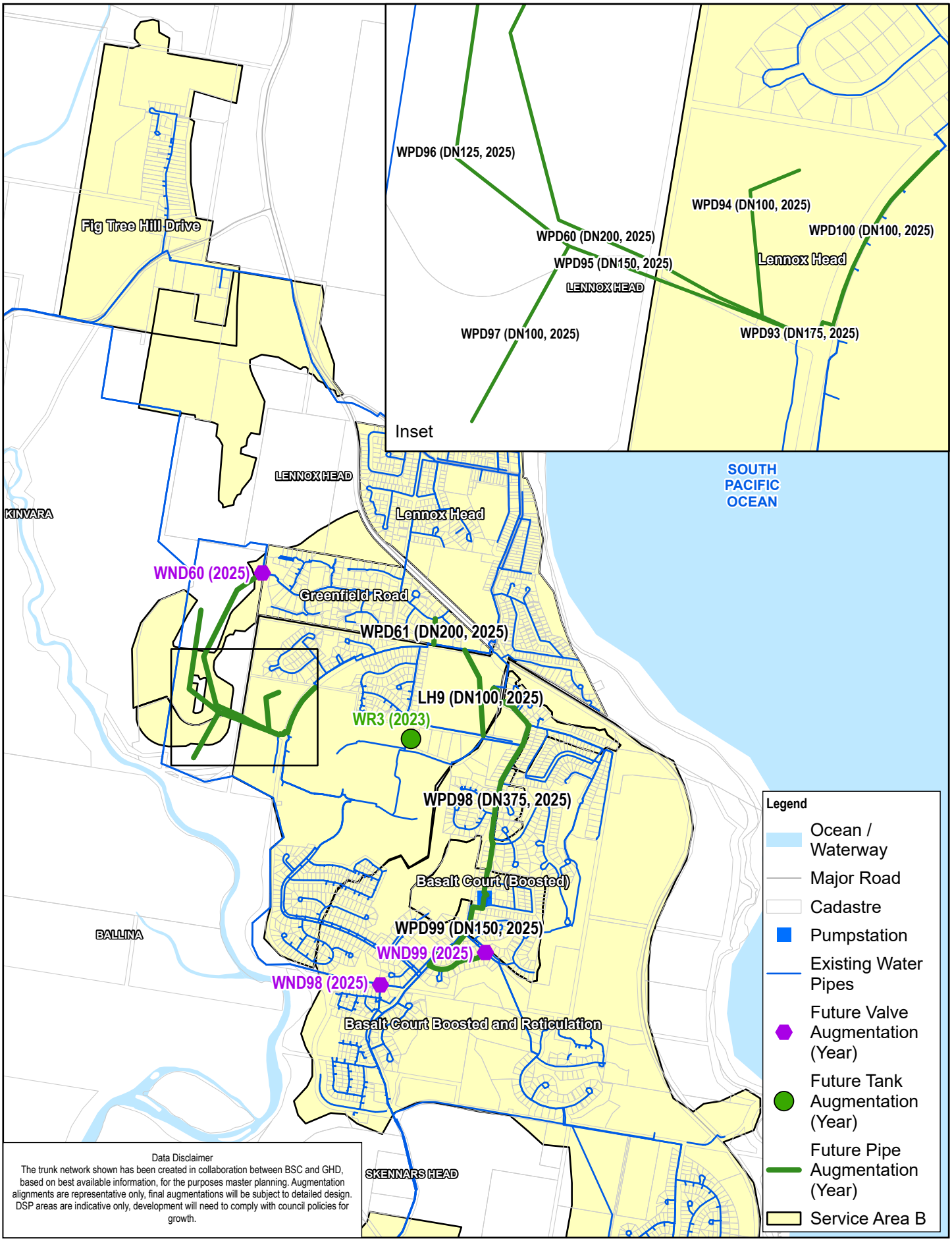
Data source: BSC/GHD: Water supply zones, Key Development Areas, Existing Water Network; GHD; Future Augmentation Layers; DTDB: Major Roads, HydroArea; DCDB: Cadastre, Suburb. Created by: eibbertson



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Paper Size ISO A4
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Kilometers

Map Projection: Transverse Mercator
Horizontal Datum: GDA 1994
Grid: GDA 1994 MGA Zone 56

N

GHD

Ballina Shire Council
Development Servicing Plan:
Drinking Water Supply

Project No. **12512785**
Revision No. **0**
Date **12/03/2024**

Service Area B - North

FIGURE 5

\\ghdnet\ghd\AU\Sydney\Projects\22\12512785\GIS\Maps\WaterSupplyInfrastructure_DSP_A.aprx
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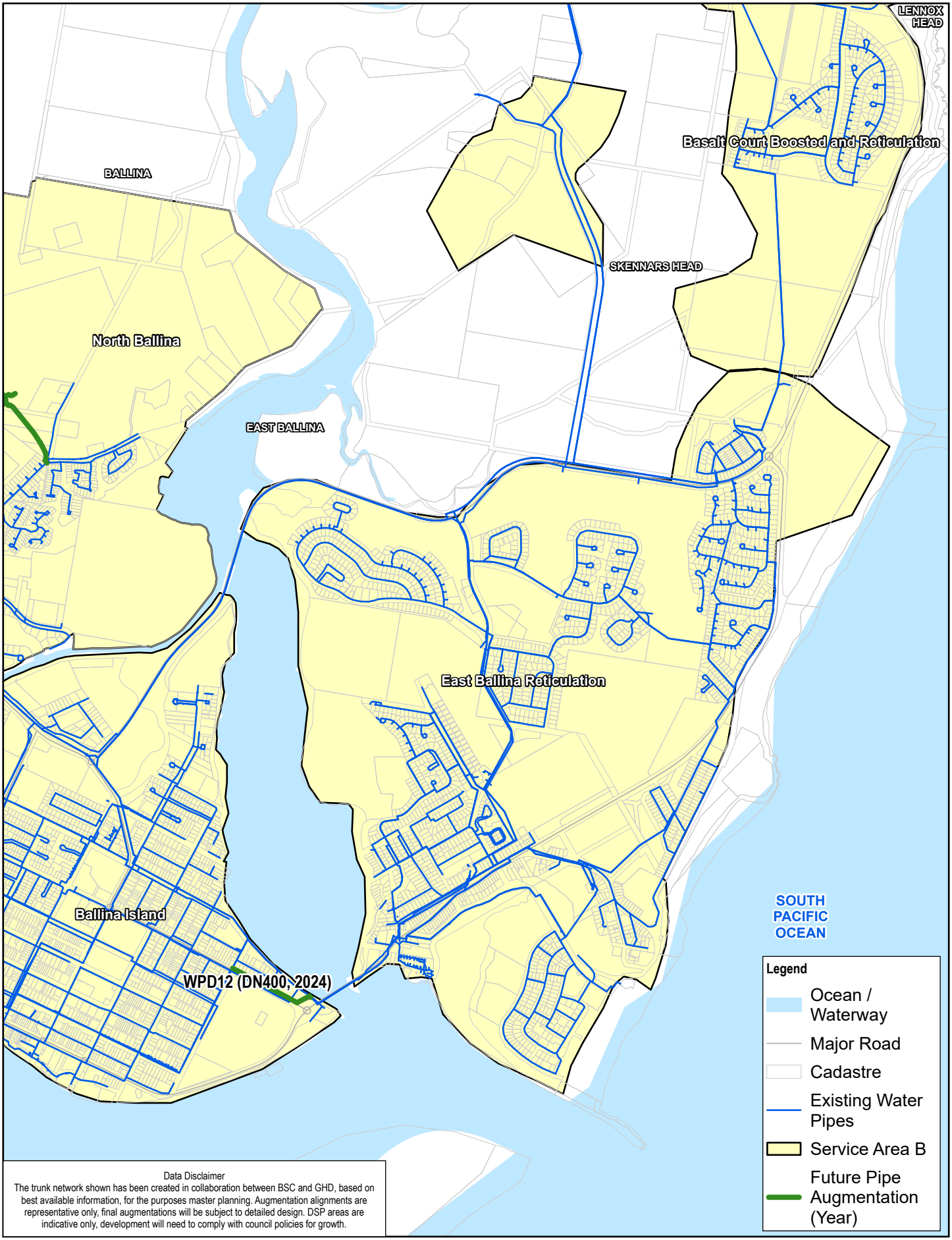

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Paper Size ISO A4
0 0.15 0.3 0.45 0.6
Kilometers

Map Projection: Transverse Mercator
Horizontal Datum: GDA 1994
Grid: GDA 1994 MGA Zone 56

N

GHD

Ballina Shire Council
Development Servicing Plan:
Drinking Water Supply

Project No. **12512785**
Revision No. **0**
Date **12/03/2024**

Service Area B - South

FIGURE 6

\\ghdnet\ghd\AU\Sydney\Projects\22\12512785\GIS\Maps\WaterSupplyInfrastructure_DSP_A.aprx
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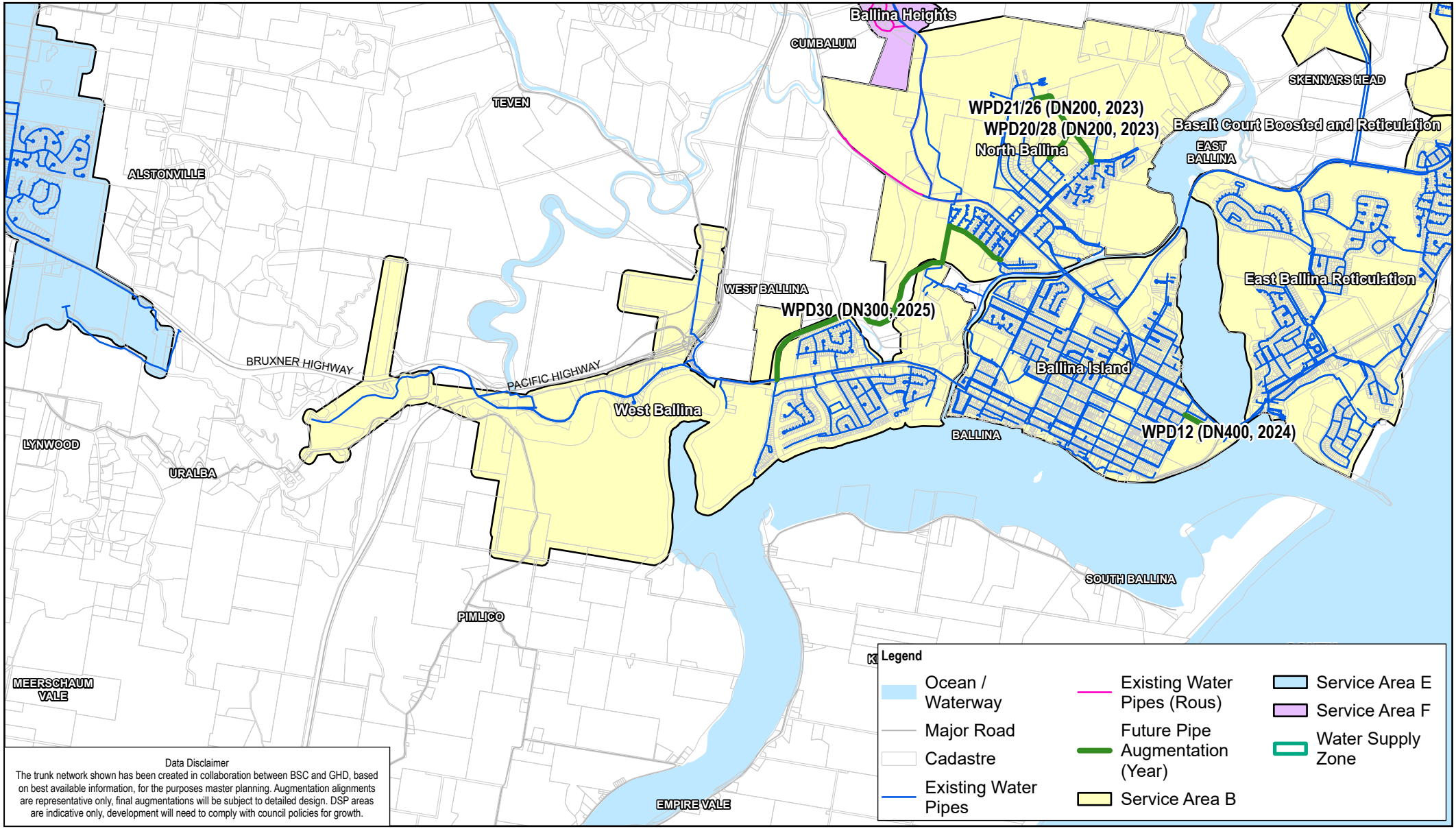
Data source: BSC/GHD: Water supply zones, Key Development Areas, Existing Water Network; GHD; Future Augmentation Layers; DTDB: Major Roads, HydroArea; DCDB: Cadastre, Suburb. Created by: eibbertson



Data Disclaimer

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Paper Size ISO A4

0 0.5 1 1.5 2

Kilometres

N

Map Projection: Transverse Mercator
Horizontal Datum: GDA 1994
Grid: GDA 1994 MGA Zone 56

Ballina Shire Council
Development Servicing Plan:
Drinking Water Supply

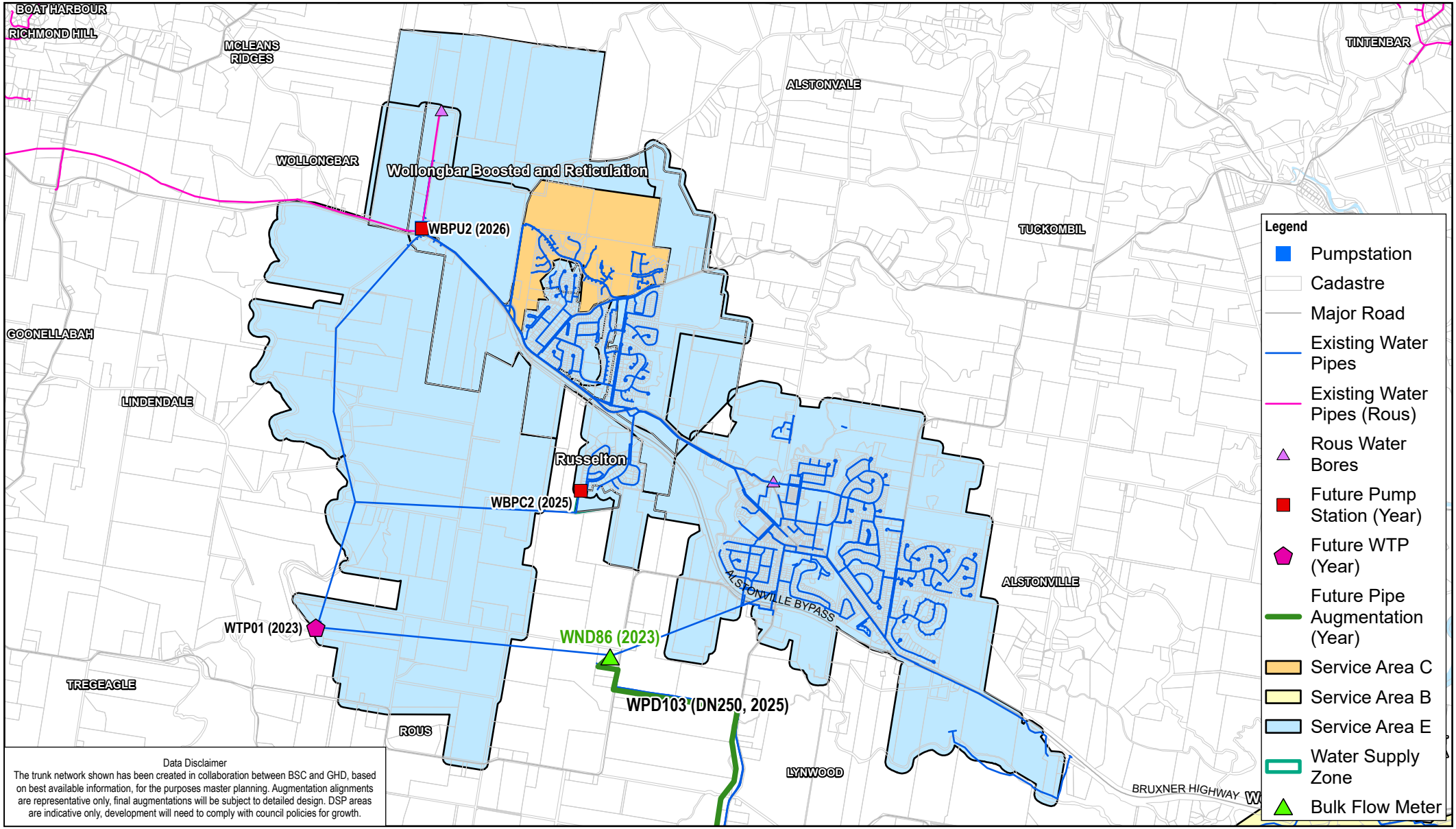
Service Area B - West

Project No. **12512785**
Revision No. **0**
Date **12/03/2024**

FIGURE 7

\\ghdnet\ghd\AU\Sydney\Projects\22\12512785\GIS\Maps\WaterSupplyInfrastructure_DSP_A.aprx
Print date: 12 Mar 2024 - 12:03

Data source: BSC/GHD: Water supply zones, Key Development Areas, Existing Water Network; GHD; Future Augmentation Layers; DTDB: Major Roads, HydroArea; DCDB: Cadastre, Suburb. Created by: eibbertson



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Paper Size ISO A4

0 0.5 1 1.5 2

Kilometres

N

Map Projection: Transverse Mercator
Horizontal Datum: GDA 1994
Grid: GDA 1994 MGA Zone 56

Ballina Shire Council
Development Servicing Plan:
Drinking Water Supply

Service Area E

Project No. **12512785**
Revision No. **0**
Date **12/03/2024**

FIGURE 8

\\ghdnet\ghd\AU\Sydney\Projects\22\12512785\GIS\Maps\WaterSupplyInfrastructure_DSP_A.aprx
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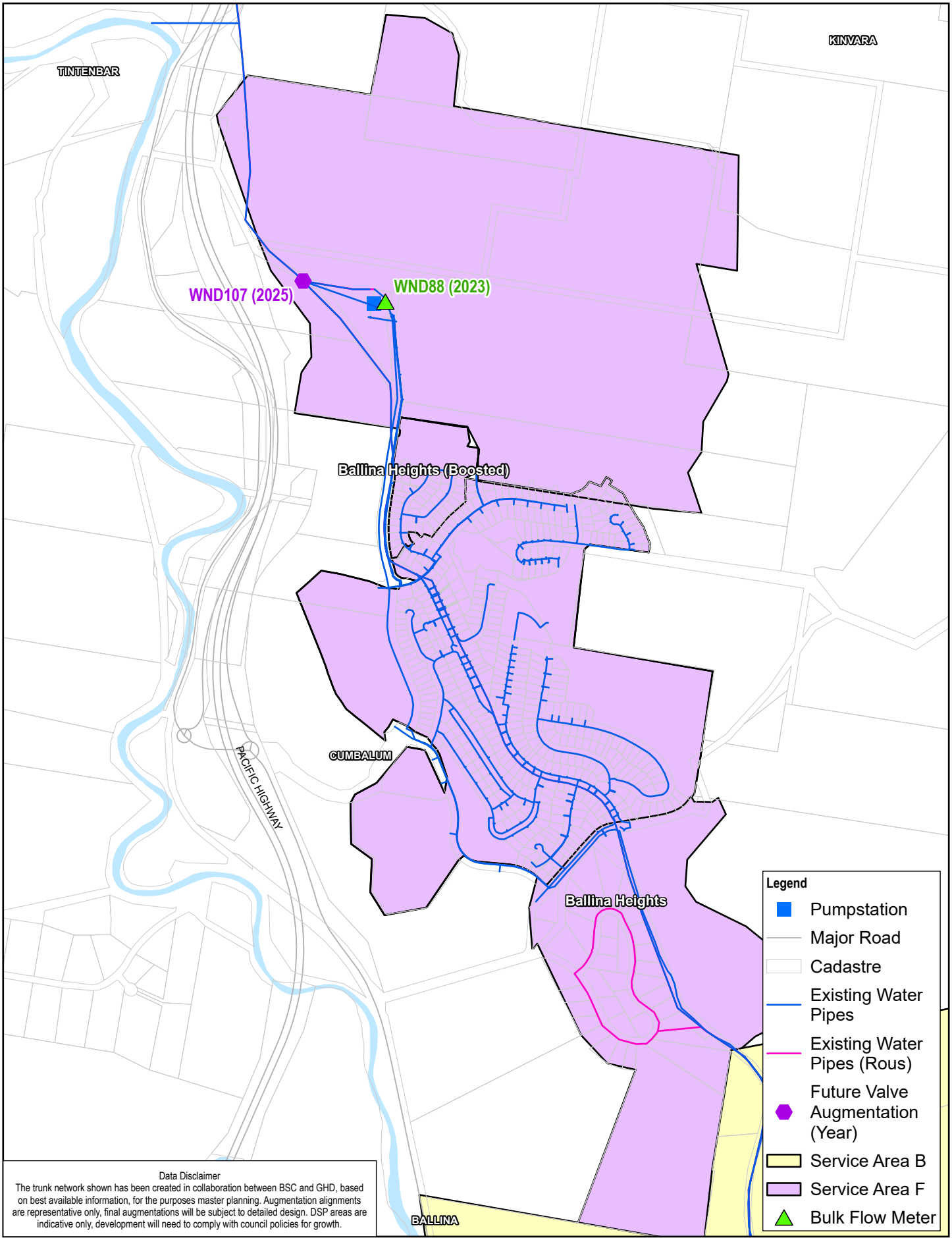
Data source: BSC/GHD: Water supply zones, Key Development Areas, Existing Water Network; GHD; Future Augmentation Layers; DTDB: Major Roads, HydroArea; DCDB: Cadastre, Suburb. Created by: eibbertson



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Paper Size ISO A4
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Kilometres

Map Projection: Transverse Mercator
Horizontal Datum: GDA 1994
Grid: GDA 1994 MGA Zone 56

N

GHD

Ballina Shire Council
Development Servicing Plan:
Drinking Water Supply

Service Area F

Project No. **12512785**
Revision No. **0**
Date **12/03/2024**

FIGURE 9

\\ghdnet\ghd\AU\Sydney\Projects\22\12512785\GIS\Maps\WaterSupplyInfrastructure_DSP_A.aprx
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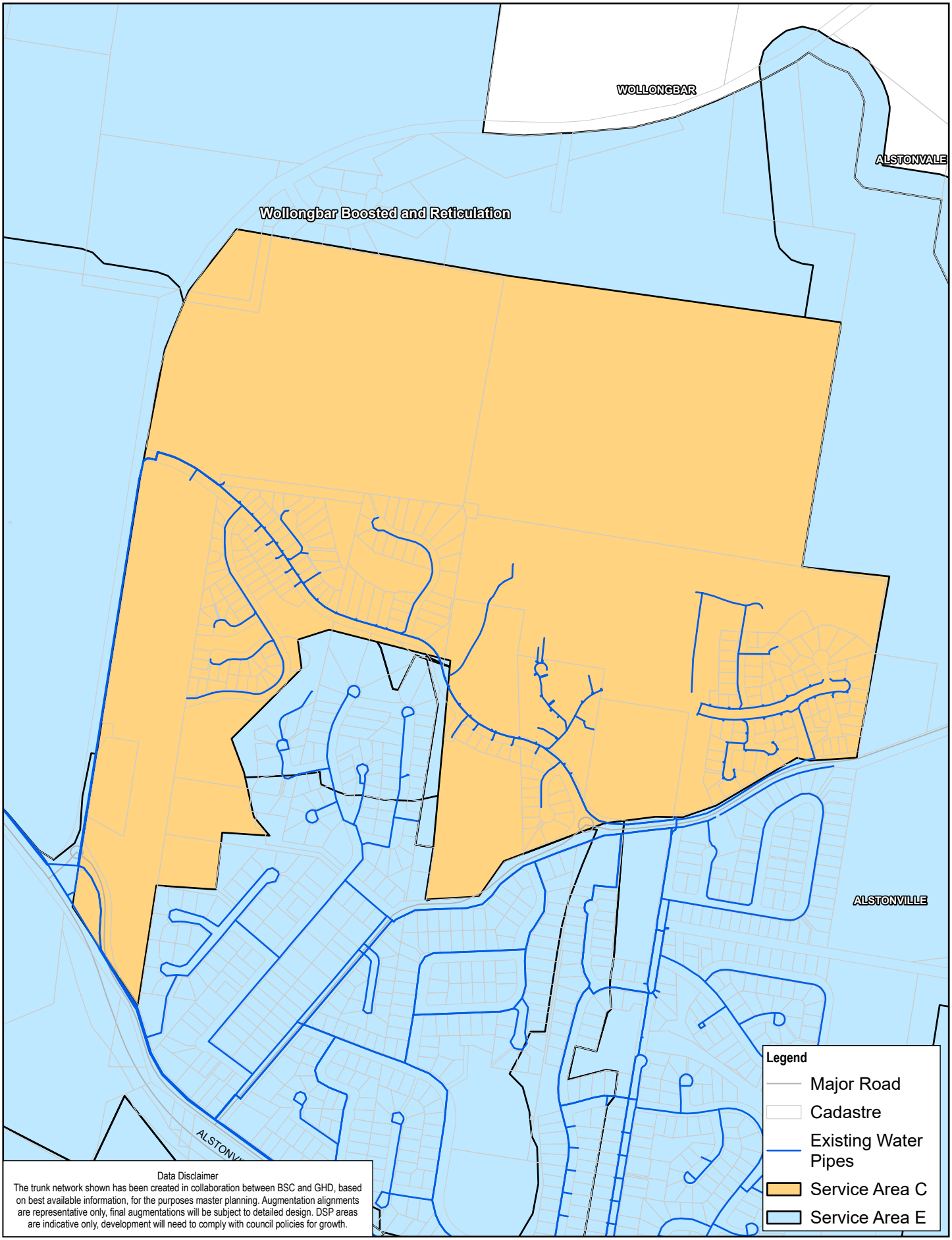

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Paper Size ISO A4

0 0.05 0.1 0.15 0.2

Kilometres

Map Projection: Transverse Mercator
Horizontal Datum: GDA 1994
Grid: GDA 1994 MGA Zone 56

N

GHD

Ballina Shire Council
Development Servicing Plan:
Drinking Water Supply

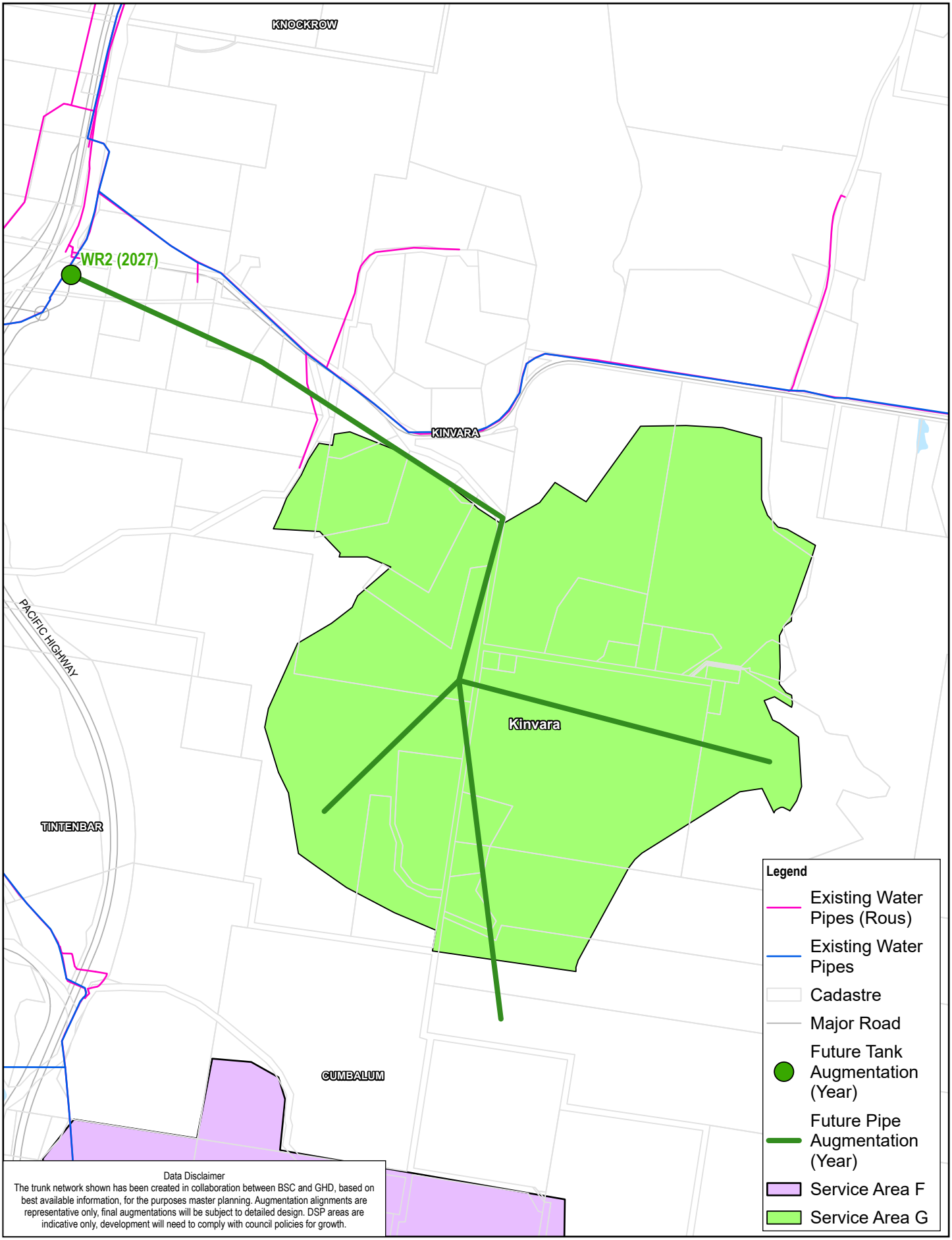
Service Area C

Project No. **12512785**
Revision No. **0**
Date **12/03/2024**

FIGURE 10

\\ghdnet\ghd\AU\Sydney\Projects\22\12512785\GIS\Maps\WaterSupplyInfrastructure_DSP_A.aprx
Print date: 12 Mar 2024 - 12:03

Data source: BSC/GHD: Water supply zones, Key Development Areas, Existing Water Network; GHD; Future Augmentation Layers; DTDB: Major Roads, HydroArea; DCDB: Cadastre, Suburb. Created by: eibbertson



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Paper Size ISO A4

0 0.1 0.2 0.3 0.4

Kilometres

Map Projection: Transverse Mercator
Horizontal Datum: GDA 1994
Grid: GDA 1994 MGA Zone 56

N

GHD

Ballina Shire Council
Development Servicing Plan:
Drinking Water Supply

Service Area G

Project No. **12512785**
Revision No. **0**
Date **13/03/2024**

FIGURE 11

Data source: BSC/GHD: Water supply zones, Key Development Areas, Existing Water Network; GHD; Future Augmentation Layers; DTDB: Major Roads, HydroArea; DCDB: Cadastre, Suburb. Created by: bkaemmerling

Appendix B

Existing assets charged via Water DSP

Existing Assets included in Water DSP charge

Asset Item	Asset ID (External Reference)	Asset Name	lvl 4 description	lvl 5 description	lvl 6 description	lvl 7 description	Pipe diameter (mm)	CVR Status	Service Area	At_Cost_Value	Commision Year	Pre or Post 1996 Asset
DW Monitoring Item	U:DW:D-FMPR-FM2001:C:CV	Valve Pilot Control Valve	Flow Monitoring & Pressure Reduction	Bagot Street (Ballina Island)	Control Systems	Valve Pilot Control Valve	0	Active	B	$ 4,546.39	2015	POST
DW Facility Item	U:DW:D-FMPR-FM2001:C:EC	Electrical Cabinet	Flow Monitoring & Pressure Reduction	Bagot Street (Ballina Island)	Control Systems	Electrical Cabinet	0	Active	B	$ 13,427.72	2015	POST
DW Power Supply Item	U:DW:D-FMPR-FM2001:C:SB	Switchboard	Flow Monitoring & Pressure Reduction	Bagot Street (Ballina Island)	Control Systems	Switchboard	0	Active	B	$ 13,427.71	2015	POST
DW Monitoring Item	U:DW:D-FMPR-FM2001:C:SG1	Site Guage # 1	Flow Monitoring & Pressure Reduction	Bagot Street (Ballina Island)	Control Systems	Site Guage # 1	0	Active	B	$ 951.57	2015	POST
DW Monitoring Item	U:DW:D-FMPR-FM2001:C:SG2	Site Guage # 2	Flow Monitoring & Pressure Reduction	Bagot Street (Ballina Island)	Control Systems	Site Guage # 2	0	Active	B	$ 951.57	2015	POST
DW Switching Gear Item	U:DW:D-FMPR-FM2001:C:TS	Telemetry Switchboard	Flow Monitoring & Pressure Reduction	Bagot Street (Ballina Island)	Control Systems	Telemetry Switchboard	0	Active	B	$ 13,427.71	2015	POST
DW Monitoring Item	U:DW:D-FMPR-FM2002:C:CV	Valve Pilot Control Valve	Flow Monitoring & Pressure Reduction	Fox Street (Ballina Island)	Control Systems	Valve Pilot Control Valve	0	Active	B	$ 11,313.11	2015	POST
DW Facility Item	U:DW:D-FMPR-FM2002:C:EC	Electrical Cabinet	Flow Monitoring & Pressure Reduction	Fox Street (Ballina Island)	Control Systems	Electrical Cabinet	0	Active	B	$ 33,727.87	2015	POST
DW Monitoring Item	U:DW:D-FMPR-FM2002:C:SG1	Site Guage # 1	Flow Monitoring & Pressure Reduction	Fox Street (Ballina Island)	Control Systems	Site Guage # 1	0	Active	B	$ 2,326.06	2015	POST
DW Monitoring Item	U:DW:D-FMPR-FM2002:C:SG2	Site Guage # 2	Flow Monitoring & Pressure Reduction	Fox Street (Ballina Island)	Control Systems	Site Guage # 2	0	Active	B	$ 2,326.06	2015	POST
DW Switching Gear Item	U:DW:D-FMPR-FM2002:C:SWB	Electrical Switchboard	Flow Monitoring & Pressure Reduction	Fox Street (Ballina Island)	Control Systems	Electrical Switchboard	0	Active	B	$ 33,727.87	2015	POST
DW Switching Gear Item	U:DW:D-FMPR-FM2002:C:TS	Telemetry Switchboard	Flow Monitoring & Pressure Reduction	Fox Street (Ballina Island)	Control Systems	Telemetry Switchboard	0	Active	B	$ 33,727.87	2015	POST
DW Monitoring Item	U:DW:D-FMPR-FM2002:S:FLM	Flowmeter	Flow Monitoring & Pressure Reduction	Fox Street (Ballina Island)	Monitoring Station	Flowmeter	0	Active	B	$ 11,313.11	2015	POST
DW Access Item	U:DW:D-FMPR-FM2002:S:LID	Pit Lid	Flow Monitoring & Pressure Reduction	Fox Street (Ballina Island)	Monitoring Station	Pit Lid	0	Active	B	$ 20,194.43	2015	POST
DW Pipe Item	U:DW:D-FMPR-FM2002:S:PIP	Pipe	Flow Monitoring & Pressure Reduction	Fox Street (Ballina Island)	Monitoring Station	Pipe	0	Active	B	$ 11,313.11	2015	POST
DW Facility Item	U:DW:D-FMPR-FM2002:S:PIT	Concrete Pit	Flow Monitoring & Pressure Reduction	Fox Street (Ballina Island)	Monitoring Station	Concrete Pit	0	Active	B	$ 45,463.90	2015	POST
DW Monitoring Item	U:DW:D-FMPR-FM2002:S:PS1	Pressure Sensor # 1	Flow Monitoring & Pressure Reduction	Fox Street (Ballina Island)	Monitoring Station	Pressure Sensor # 1	0	Active	B	$ 4,546.39	2015	POST
DW Monitoring Item	U:DW:D-FMPR-FM2002:S:PS2	Pressure Sensor # 2	Flow Monitoring & Pressure Reduction	Fox Street (Ballina Island)	Monitoring Station	Pressure Sensor # 2	0	Active	B	$ 4,546.39	2015	POST
DW Valve Item	U:DW:D-FMPR-FM2002:S:VAL	Valve	Flow Monitoring & Pressure Reduction	Fox Street (Ballina Island)	Monitoring Station	Valve	0	Active	B	$ 11,313.11	2015	POST
DW Monitoring Item	U:DW:D-FMPR-FM2003:C:CV	Valve Pilot Control Valve	Flow Monitoring & Pressure Reduction	Owen Street (Ballina island)	Control Systems	Valve Pilot Control Valve	0	Active	B	$ 11,313.11	2015	POST
DW Facility Item	U:DW:D-FMPR-FM2003:C:EC	Electrical Cabinet	Flow Monitoring & Pressure Reduction	Owen Street (Ballina island)	Control Systems	Electrical Cabinet	0	Active	B	$ 33,727.87	2015	POST
DW Monitoring Item	U:DW:D-FMPR-FM2003:C:SG1	Site Guage # 1	Flow Monitoring & Pressure Reduction	Owen Street (Ballina island)	Control Systems	Site Guage # 1	0	Active	B	$ 2,326.06	2015	POST
DW Monitoring Item	U:DW:D-FMPR-FM2003:C:SG2	Site Guage # 2	Flow Monitoring & Pressure Reduction	Owen Street (Ballina island)	Control Systems	Site Guage # 2	0	Active	B	$ 2,326.06	2015	POST
DW Switching Gear Item	U:DW:D-FMPR-FM2003:C:SWB	Electrical Switchboard	Flow Monitoring & Pressure Reduction	Owen Street (Ballina island)	Control Systems	Electrical Switchboard	0	Active	B	$ 33,727.87	2015	POST
DW Switching Gear Item	U:DW:D-FMPR-FM2003:C:TS	Telemetry Switchboard	Flow Monitoring & Pressure Reduction	Owen Street (Ballina island)	Control Systems	Telemetry Switchboard	0	Active	B	$ 33,727.87	2015	POST
DW Monitoring Item	U:DW:D-FMPR-FM2003:S:FLM	Flowmeter	Flow Monitoring & Pressure Reduction	Owen Street (Ballina island)	Monitoring Station	Flowmeter	0	Active	B	$ 11,313.11	2015	POST
DW Access Item	U:DW:D-FMPR-FM2003:S:LID	Pit Lid	Flow Monitoring & Pressure Reduction	Owen Street (Ballina island)	Monitoring Station	Pit Lid	0	Active	B	$ 20,194.43	2015	POST
DW Pipe Item	U:DW:D-FMPR-FM2003:S:PIP	Pipe	Flow Monitoring & Pressure Reduction	Owen Street (Ballina island)	Monitoring Station	Pipe	0	Active	B	$ 11,313.11	2015	POST
DW Facility Item	U:DW:D-FMPR-FM2003:S:PIT	Concrete Pit	Flow Monitoring & Pressure Reduction	Owen Street (Ballina island)	Monitoring Station	Concrete Pit	0	Active	B	$ 45,463.90	2015	POST
DW Monitoring Item	U:DW:D-FMPR-FM2003:S:PS1	Pressure Sensor # 1	Flow Monitoring & Pressure Reduction	Owen Street (Ballina island)	Monitoring Station	Pressure Sensor # 1	0	Active	B	$ 4,546.39	2015	POST
DW Monitoring Item	U:DW:D-FMPR-FM2003:S:PS2	Pressure Sensor # 2	Flow Monitoring & Pressure Reduction	Owen Street (Ballina island)	Monitoring Station	Pressure Sensor # 2	0	Active	B	$ 4,546.39	2015	POST
DW Valve Item	U:DW:D-FMPR-FM2003:S:VAL	Valve	Flow Monitoring & Pressure Reduction	Owen Street (Ballina island)	Monitoring Station	Valve	0	Active	B	$ 11,313.11	2015	POST
DW Monitoring Item	U:DW:D-FMPR-FM2004:C:CV	Valve Pilot Control Valve	Flow Monitoring & Pressure Reduction	Temple Street (Ballina island)	Control Systems	Valve Pilot Control Valve	0	Active	B	$ 9,304.24	2015	POST
DW Facility Item	U:DW:D-FMPR-FM2004:C:EC	Electrical Cabinet	Flow Monitoring & Pressure Reduction	Temple Street (Ballina island)	Control Systems	Electrical Cabinet	0	Active	B	$ 27,912.72	2015	POST
DW Monitoring Item	U:DW:D-FMPR-FM2004:C:SG1	Site Guage # 1	Flow Monitoring & Pressure Reduction	Temple Street (Ballina island)	Control Systems	Site Guage # 1	0	Active	B	$ 1,903.14	2015	POST
DW Monitoring Item	U:DW:D-FMPR-FM2004:C:SG2	Site Guage # 2	Flow Monitoring & Pressure Reduction	Temple Street (Ballina island)	Control Systems	Site Guage # 2	0	Active	B	$ 1,903.14	2015	POST
DW Switching Gear Item	U:DW:D-FMPR-FM2004:C:SWB	Electrical Switchboard	Flow Monitoring & Pressure Reduction	Temple Street (Ballina island)	Control Systems	Electrical Switchboard	0	Active	B	$ 27,912.72	2015	POST
DW Switching Gear Item	U:DW:D-FMPR-FM2004:C:TS	Telemetry Switchboard	Flow Monitoring & Pressure Reduction	Temple Street (Ballina island)	Control Systems	Telemetry Switchboard	0	Active	B	$ 27,912.72	2015	POST
DW Monitoring Item	U:DW:D-FMPR-FM2004:S:FLM	Flowmeter	Flow Monitoring & Pressure Reduction	Temple Street (Ballina island)	Monitoring Station	Flowmeter	0	Active	B	$ 9,304.24	2015	POST
DW Access Item	U:DW:D-FMPR-FM2004:S:LID	Pit Lid	Flow Monitoring & Pressure Reduction	Temple Street (Ballina island)	Monitoring Station	Pit Lid	0	Active	B	$ 16,811.07	2015	POST
DW Pipe Item	U:DW:D-FMPR-FM2004:S:PIP	Pipe	Flow Monitoring & Pressure Reduction	Temple Street (Ballina island)	Monitoring Station	Pipe	0	Active	B	$ 9,304.24	2015	POST
DW Facility Item	U:DW:D-FMPR-FM2004:S:PIT	Concrete Pit	Flow Monitoring & Pressure Reduction	Temple Street (Ballina island)	Monitoring Station	Concrete Pit	0	Active	B	$ 37,216.96	2015	POST
DW Monitoring Item	U:DW:D-FMPR-FM2004:S:PS1	Pressure Sensor # 1	Flow Monitoring & Pressure Reduction	Temple Street (Ballina island)	Monitoring Station	Pressure Sensor # 1	0	Active	B	$ 3,806.28	2015	POST
DW Monitoring Item	U:DW:D-FMPR-FM2004:S:PS2	Pressure Sensor # 2	Flow Monitoring & Pressure Reduction	Temple Street (Ballina island)	Monitoring Station	Pressure Sensor # 2	0	Active	B	$ 3,806.28	2015	POST
DW Valve Item	U:DW:D-FMPR-FM2004:S:VAL	Valve	Flow Monitoring & Pressure Reduction	Temple Street (Ballina island)	Monitoring Station	Valve	0	Active	B	$ 9,304.24	2015	POST
DW Monitoring Item	U:DW:D-FMPR-FM2201:C:CV	Valve Pilot Control Valve	Flow Monitoring & Pressure Reduction	Southern Cross Drive (Ballina Nort	Control Systems	Valve Pilot Control Valve	0	Active	B	$ 11,313.11	2015	POST
DW Facility Item	U:DW:D-FMPR-FM2201:C:EC	Electrical Cabinet	Flow Monitoring & Pressure Reduction	Southern Cross Drive (Ballina Nort	Control Systems	Electrical Cabinet	0	Active	B	$ 33,727.87	2015	POST
DW Monitoring Item	U:DW:D-FMPR-FM2201:C:SG1	Site Guage # 1	Flow Monitoring & Pressure Reduction	Southern Cross Drive (Ballina Nort	Control Systems	Site Guage # 1	0	Active	B	$ 2,326.06	2015	POST
DW Monitoring Item	U:DW:D-FMPR-FM2201:C:SG2	Site Guage # 2	Flow Monitoring & Pressure Reduction	Southern Cross Drive (Ballina Nort	Control Systems	Site Guage # 2	0	Active	B	$ 2,326.06	2015	POST
DW Switching Gear Item	U:DW:D-FMPR-FM2201:C:SWB	Electrical Switchboard	Flow Monitoring & Pressure Reduction	Southern Cross Drive (Ballina Nort	Control Systems	Electrical Switchboard	0	Active	B	$ 33,727.87	2015	POST
DW Switching Gear Item	U:DW:D-FMPR-FM2201:C:TS	Telemetry Switchboard	Flow Monitoring & Pressure Reduction	Southern Cross Drive (Ballina Nort	Control Systems	Telemetry Switchboard	0	Active	B	$ 33,727.87	2015	POST
DW Monitoring Item	U:DW:D-FMPR-FM2201:S:FLM	Flowmeter	Flow Monitoring & Pressure Reduction	Southern Cross Drive (Ballina Nort	Monitoring Station	Flowmeter	0	Active	B	$ 11,313.11	2015	POST
DW Access Item	U:DW:D-FMPR-FM2201:S:LID	Pit Lid	Flow Monitoring & Pressure Reduction	Southern Cross Drive (Ballina Nort	Monitoring Station	Pit Lid	0	Active	B	$ 20,194.43	2015	POST
DW Pipe Item	U:DW:D-FMPR-FM2201:S:PIP	Pipe	Flow Monitoring & Pressure Reduction	Southern Cross Drive (Ballina Nort	Monitoring Station	Pipe	0	Active	B	$ 11,313.11	2015	POST
DW Facility Item	U:DW:D-FMPR-FM2201:S:PIT	Concrete Pit	Flow Monitoring & Pressure Reduction	Southern Cross Drive (Ballina Nort	Monitoring Station	Concrete Pit	0	Active	B	$ 45,463.90	2015	POST
DW Monitoring Item	U:DW:D-FMPR-FM2201:S:PS1	Pressure Sensor # 1	Flow Monitoring & Pressure Reduction	Southern Cross Drive (Ballina Nort	Monitoring Station	Pressure Sensor # 1	0	Active	B	$ 4,546.39	2015	POST
DW Monitoring Item	U:DW:D-FMPR-FM2201:S:PS2	Pressure Sensor # 2	Flow Monitoring & Pressure Reduction	Southern Cross Drive (Ballina Nort	Monitoring Station	Pressure Sensor # 2	0	Active	B	$ 4,546.39	2015	POST
DW Valve Item	U:DW:D-FMPR-FM2201:S:VAL	Valve	Flow Monitoring & Pressure Reduction	Southern Cross Drive (Ballina Nort	Monitoring Station	Valve	0	Active	B	$ 11,313.11	2015	POST
DW Monitoring Item	U:DW:D-FMPR-FM2301:C:CV	Valve Pilot Control Valve	Flow Monitoring & Pressure Reduction	Jameson Avenue (Ballina East)	Control Systems	Valve Pilot Control Valve	0	Active	B	$ 4,546.39	2015	POST
DW Facility Item	U:DW:D-FMPR-FM2301:C:EC	Electrical Cabinet	Flow Monitoring & Pressure Reduction	Jameson Avenue (Ballina East)	Control Systems	Electrical Cabinet	0	Active	B	$ 13,427.72	2015	POST
DW Power Supply Item	U:DW:D-FMPR-FM2301:C:SB	Switchboard	Flow Monitoring & Pressure Reduction	Jameson Avenue (Ballina East)	Control Systems	Switchboard	0	Active	B	$ 13,427.71	2015	POST
DW Monitoring Item	U:DW:D-FMPR-FM2301:C:SG1	Site Guage # 1	Flow Monitoring & Pressure Reduction	Jameson Avenue (Ballina East)	Control Systems	Site Guage # 1	0	Active	B	$ 951.57	2015	POST
DW Monitoring Item	U:DW:D-FMPR-FM2301:C:SG2	Site Guage # 2	Flow Monitoring & Pressure Reduction	Jameson Avenue (Ballina East)	Control Systems	Site Guage # 2	0	Active	B	$ 951.57	2015	POST
DW Switching Gear Item	U:DW:D-FMPR-FM2301:C:TS	Telemetry Switchboard	Flow Monitoring & Pressure Reduction	Jameson Avenue (Ballina East)	Control Systems	Telemetry Switchboard	0	Active	B	$ 13,427.71	2015	POST

DW Facility Item	U:DW:D-FMPR-FM2302:C:EC	Electrical Cabinet	Flow Monitoring & Pressure Reduction	Silver Gull Drive (Ballina East)	Control Systems	Electrical Cabinet	0	Active	B	$ 38,485.72	2015	POST
DW Monitoring Item	U:DW:D-FMPR-FM2302:C:SG1	Site Guage # 1	Flow Monitoring & Pressure Reduction	Silver Gull Drive (Ballina East)	Control Systems	Site Guage # 1	0	Active	B	$ 2,008.87	2015	POST
DW Switching Gear Item	U:DW:D-FMPR-FM2302:C:TSB	Telemetry Switchboard	Flow Monitoring & Pressure Reduction	Silver Gull Drive (Ballina East)	Control Systems	Telemetry Switchboard	0	Active	B	$ 57,728.58	2015	POST
DW Monitoring Item	U:DW:D-FMPR-FM2302:S:FLM	Flowmeter	Flow Monitoring & Pressure Reduction	Silver Gull Drive (Ballina East)	Monitoring Station	Flowmeter	0	Active	B	$ 24,106.44	2015	POST
DW Access Item	U:DW:D-FMPR-FM2302:S:LID	Pit Lid	Flow Monitoring & Pressure Reduction	Silver Gull Drive (Ballina East)	Monitoring Station	Pit Lid	0	Active	B	$ 19,242.86	2015	POST
DW Pipe Item	U:DW:D-FMPR-FM2302:S:PIP	Pipe	Flow Monitoring & Pressure Reduction	Silver Gull Drive (Ballina East)	Monitoring Station	Pipe	0	Active	B	$ 24,106.44	2015	POST
DW Facility Item	U:DW:D-FMPR-FM2302:S:PIT	Concrete Pit	Flow Monitoring & Pressure Reduction	Silver Gull Drive (Ballina East)	Monitoring Station	Concrete Pit	0	Active	B	$ 31,824.73	2015	POST
DW Monitoring Item	U:DW:D-FMPR-FM2302:S:PS1	Pressure Sensor # 1	Flow Monitoring & Pressure Reduction	Silver Gull Drive (Ballina East)	Monitoring Station	Pressure Sensor # 1	0	Active	B	$ 5,815.15	2015	POST
DW Monitoring Item	U:DW:D-FMPR-FM3001:C:CV	Valve Pilot Control Valve	Flow Monitoring & Pressure Reduction	Rutherford Street (Lennox Head)	Control Systems	Valve Pilot Control Valve	0	Active	B	$ 4,546.39	2015	POST
DW Facility Item	U:DW:D-FMPR-FM3001:C:EC	Electrical Cabinet	Flow Monitoring & Pressure Reduction	Rutherford Street (Lennox Head)	Control Systems	Electrical Cabinet	0	Active	B	$ 13,427.71	2015	POST
DW Power Supply Item	U:DW:D-FMPR-FM3001:C:SB	Switchboard	Flow Monitoring & Pressure Reduction	Rutherford Street (Lennox Head)	Control Systems	Switchboard	0	Active	B	$ 13,427.71	2015	POST
DW Monitoring Item	U:DW:D-FMPR-FM3001:C:SG1	Site Guage # 1	Flow Monitoring & Pressure Reduction	Rutherford Street (Lennox Head)	Control Systems	Site Guage # 1	0	Active	B	$ 951.57	2015	POST
DW Monitoring Item	U:DW:D-FMPR-FM3001:C:SG2	Site Guage # 2	Flow Monitoring & Pressure Reduction	Rutherford Street (Lennox Head)	Control Systems	Site Guage # 2	0	Active	B	$ 951.57	2015	POST
DW Switching Gear Item	U:DW:D-FMPR-FM3001:C:TS	Telemetry Switchboard	Flow Monitoring & Pressure Reduction	Rutherford Street (Lennox Head)	Control Systems	Telemetry Switchboard	0	Active	B	$ 13,427.71	2015	POST
DW Facility Item	U:DW:D-FMPR-FM3101:C:EC	Electrical Cabinet	Flow Monitoring & Pressure Reduction	Basalt Court (Lennox Heights)	Control Systems	Electrical Cabinet	0	Active	B	$ 38,485.72	2015	POST
DW Monitoring Item	U:DW:D-FMPR-FM3101:C:SG1	Site Guage # 1	Flow Monitoring & Pressure Reduction	Basalt Court (Lennox Heights)	Control Systems	Site Guage # 1	0	Active	B	$ 2,008.87	2015	POST
DW Monitoring Item	U:DW:D-FMPR-FM3101:S:FLM	Flowmeter	Flow Monitoring & Pressure Reduction	Basalt Court (Lennox Heights)	Monitoring Station	Flowmeter	0	Active	B	$ 24,106.44	2015	POST
DW Access Item	U:DW:D-FMPR-FM3101:S:LID	Pit Lid	Flow Monitoring & Pressure Reduction	Basalt Court (Lennox Heights)	Monitoring Station	Pit Lid	0	Active	B	$ 19,242.86	2015	POST
DW Pipe Item	U:DW:D-FMPR-FM3101:S:PIP	Pipe	Flow Monitoring & Pressure Reduction	Basalt Court (Lennox Heights)	Monitoring Station	Pipe	0	Active	B	$ 24,106.44	2015	POST
DW Facility Item	U:DW:D-FMPR-FM3101:S:PIT	Concrete Pit	Flow Monitoring & Pressure Reduction	Basalt Court (Lennox Heights)	Monitoring Station	Concrete Pit	0	Active	B	$ 21,251.73	2015	POST
DW Monitoring Item	U:DW:D-FMPR-FM3101:S:PS1	Pressure Sensor # 1	Flow Monitoring & Pressure Reduction	Basalt Court (Lennox Heights)	Monitoring Station	Pressure Sensor # 1	0	Active	B	$ 5,815.15	2015	POST
DW Monitoring Item	U:DW:D-FMPR-FM5001:C:CV	Valve Pilot Control Valve	Flow Monitoring & Pressure Reduction	Lumleys Lane (Wardell)	Control Systems	Valve Pilot Control Valve	0	Active	A	$ 11,313.11	2015	POST
DW Facility Item	U:DW:D-FMPR-FM5001:C:EC	Electrical Cabinet	Flow Monitoring & Pressure Reduction	Lumleys Lane (Wardell)	Control Systems	Electrical Cabinet	0	Active	A	$ 33,727.87	2015	POST
DW Monitoring Item	U:DW:D-FMPR-FM5001:C:SG1	Site Guage # 1	Flow Monitoring & Pressure Reduction	Lumleys Lane (Wardell)	Control Systems	Site Guage # 1	0	Active	A	$ 2,326.06	2015	POST
DW Monitoring Item	U:DW:D-FMPR-FM5001:C:SG2	Site Guage # 2	Flow Monitoring & Pressure Reduction	Lumleys Lane (Wardell)	Control Systems	Site Guage # 2	0	Active	A	$ 2,326.06	2015	POST
DW Switching Gear Item	U:DW:D-FMPR-FM5001:C:SWB	Electrical Switchboard	Flow Monitoring & Pressure Reduction	Lumleys Lane (Wardell)	Control Systems	Electrical Switchboard	0	Active	A	$ 32,297.61	2015	POST
DW Switching Gear Item	U:DW:D-FMPR-FM5001:C:TS	Telemetry Switchboard	Flow Monitoring & Pressure Reduction	Lumleys Lane (Wardell)	Control Systems	Telemetry Switchboard	0	Active	A	$ 33,727.87	2015	POST
DW Monitoring Item	U:DW:D-FMPR-FM5001:S:FLM	Flowmeter	Flow Monitoring & Pressure Reduction	Lumleys Lane (Wardell)	Monitoring Station	Flowmeter	0	Active	A	$ 11,313.11	2015	POST
DW Access Item	U:DW:D-FMPR-FM5001:S:LID	Pit Lid	Flow Monitoring & Pressure Reduction	Lumleys Lane (Wardell)	Monitoring Station	Pit Lid	0	Active	A	$ 20,194.43	2015	POST
DW Facility Item	U:DW:D-FMPR-FM5001:S:PIT	Concrete Pit	Flow Monitoring & Pressure Reduction	Lumleys Lane (Wardell)	Monitoring Station	Concrete Pit	0	Active	A	$ 112,813.91	2015	POST
DW Monitoring Item	U:DW:D-FMPR-FM5001:S:PS1	Pressure Sensor # 1	Flow Monitoring & Pressure Reduction	Lumleys Lane (Wardell)	Monitoring Station	Pressure Sensor # 1	0	Active	A	$ 4,546.39	2015	POST
DW Monitoring Item	U:DW:D-FMPR-FM5001:S:PS2	Pressure Sensor # 2	Flow Monitoring & Pressure Reduction	Lumleys Lane (Wardell)	Monitoring Station	Pressure Sensor # 2	0	Active	A	$ 4,546.39	2015	POST
DW Valve Item	U:DW:D-FMPR-FM5001:S:VAL	Valve	Flow Monitoring & Pressure Reduction	Lumleys Lane (Wardell)	Monitoring Station	Valve	0	Active	A	$ 11,313.11	2015	POST
DW Pump Item	U:DW:D-P2301:PS-PM1	Duty Pump -water # 1	Pump Station: Suvla Street (Ballina East)	Ballina East Water Pump	Duty Pump -water # 1	0	0	Active	B	$ 70,627.64	2020	POST
DW Pump Item	U:DW:D-P2301:PS-PM2	Duty Pump -water # 2	Pump Station: Suvla Street (Ballina East)	Ballina East Water Pump	Duty Pump -water # 2	0	0	Active	B	$ 70,627.64	2020	POST
DW Pump Item	U:DW:D-P2301:PS-PM3	Jockey Pump -water	Pump Station: Basalt Court (Lennox Head)	Basalt Court Water Pump	Jockey Pump -water	0	0	Active	B	$ 70,627.64	2020	POST
DW Facility Item	U:DW:D-P2301:PS-PS1	Pump Skid -water	Pump Station: Basalt Court (Lennox Head)	Basalt Court Water Pump	Pump Skid -water	0	0	Active	B	$ 5,920.88	2020	POST
DW Storage Structure Item	U:DW:D-P2404:PS-EV	Expansion Vessel (EXV-8900)	Pump Station: Ballina Height (Cumbalum)	Ballina Heights Water Pump	Expansion Vessel (EXV-8900)	0	0	Active	F	$ 71,156.29	2015	POST
DW Monitoring Item	U:DW:D-P2404:PS-M01	Discharge Flow Meter (FLM-8908)	Pump Station: Ballina Height (Cumbalum)	Ballina Heights Water Pump	Discharge Flow Meter (FLM-8908)	0	0	Active	F	$ 43,137.84	2015	POST
DW Monitoring Item	U:DW:D-P2404:PS-M02	Discharge Pressure Transmitter (PTX-8	Pump Station: Ballina Height (Cumbalum)	Ballina Heights Water Pump	Discharge Pressure Transmitter (PTX-8	0	0	Active	F	$ 10,255.81	2015	POST
DW Valve Item	U:DW:D-P2404:PS-P1V1	Pump # 1 inlet isolation valve (HIV-890	Pump Station: Ballina Height (Cumbalum)	Ballina Heights Water Pump	Pump # 1 inlet isolation valve (HIV-89	0	0	Active	F	$ 32,353.39	2015	POST
DW Valve Item	U:DW:D-P2404:PS-P1V2	Pump # 1 outlet non-return valve (NRV	Pump Station: Ballina Height (Cumbalum)	Ballina Heights Water Pump	Pump # 1 outlet non-return valve (NR	0	0	Active	F	$ 32,353.39	2015	POST
DW Valve Item	U:DW:D-P2404:PS-P1V3	Pump # 1 outlet isolation valve (HIV-89	Pump Station: Ballina Height (Cumbalum)	Ballina Heights Water Pump	Pump # 1 outlet isolation valve (HIV-8	0	0	Active	F	$ 32,353.39	2015	POST
DW Valve Item	U:DW:D-P2404:PS-P2V1	Pump # 2 inlet isolation valve (HIV-890	Pump Station: Ballina Height (Cumbalum)	Ballina Heights Water Pump	Pump # 2 inlet isolation valve (HIV-89	0	0	Active	F	$ 32,353.39	2015	POST
DW Valve Item	U:DW:D-P2404:PS-P2V2	Pump # 2 outlet non-return valve (NRV	Pump Station: Ballina Height (Cumbalum)	Ballina Heights Water Pump	Pump # 2 outlet non-return valve (NR	0	0	Active	F	$ 32,353.39	2015	POST
DW Valve Item	U:DW:D-P2404:PS-P2V3	Pump # 2 outlet isolation valve (HIV-89	Pump Station: Ballina Height (Cumbalum)	Ballina Heights Water Pump	Pump # 2 outlet isolation valve (HIV-8	0	0	Active	F	$ 32,353.39	2015	POST
DW Valve Item	U:DW:D-P2404:PS-P3V1	Pump # 3 inlet isolation valve (HIV-890	Pump Station: Ballina Height (Cumbalum)	Ballina Heights Water Pump	Pump # 3 inlet isolation valve (HIV-89	0	0	Active	F	$ 32,353.39	2015	POST
DW Valve Item	U:DW:D-P2404:PS-P3V2	Pump # 3 outlet non-return valve (NRV	Pump Station: Ballina Height (Cumbalum)	Ballina Heights Water Pump	Pump # 3 outlet non-return valve (NR	0	0	Active	F	$ 32,353.39	2015	POST
DW Valve Item	U:DW:D-P2404:PS-P3V3	Pump # 3 outlet isolation valve (HIV-89	Pump Station: Ballina Height (Cumbalum)	Ballina Heights Water Pump	Pump # 3 outlet isolation valve (HIV-8	0	0	Active	F	$ 32,353.39	2015	POST
DW Valve Item	U:DW:D-P2404:PS-P4V1	Pump # 4 inlet isolation valve (HIV-890	Pump Station: Ballina Height (Cumbalum)	Ballina Heights Water Pump	Pump # 4 inlet isolation valve (HIV-89	0	0	Active	F	$ 32,353.39	2015	POST
DW Valve Item	U:DW:D-P2404:PS-P4V2	Pump # 4 outlet non-return valve (NRV	Pump Station: Ballina Height (Cumbalum)	Ballina Heights Water Pump	Pump # 4 outlet non-return valve (NR	0	0	Active	F	$ 32,353.39	2015	POST
DW Valve Item	U:DW:D-P2404:PS-P4V3	Pump # 4 outlet isolation valve (HIV-89	Pump Station: Ballina Height (Cumbalum)	Ballina Heights Water Pump	Pump # 4 outlet isolation valve (HIV-8	0	0	Active	F	$ 32,353.39	2015	POST
DW Valve Item	U:DW:D-P2404:PS-P5V1	Pump # 5 inlet isolation valve (HIV-890	Pump Station: Ballina Height (Cumbalum)	Ballina Heights Water Pump	Pump # 5 inlet isolation valve (HIV-89	0	0	Active	F	$ 32,353.39	2015	POST
DW Valve Item	U:DW:D-P2404:PS-P5V2	Pump # 5 outlet non-return valve (NRV	Pump Station: Ballina Height (Cumbalum)	Ballina Heights Water Pump	Pump # 5 outlet non-return valve (NR	0	0	Active	F	$ 32,353.39	2015	POST
DW Valve Item	U:DW:D-P2404:PS-P5V3	Pump # 5 outlet isolation valve (HIV-89	Pump Station: Ballina Height (Cumbalum)	Ballina Heights Water Pump	Pump # 5 outlet isolation valve (HIV-8	0	0	Active	F	$ 32,353.39	2015	POST
DW Pump Item	U:DW:D-P2404:PS-PM1	Pump # 1 (P-8900E)	Pump Station: Ballina Height (Cumbalum)	Ballina Heights Water Pump	Pump # 1 (P-8900E)	0	0	Active	F	$ 108,690.44	2015	POST
DW Pump Item	U:DW:D-P2404:PS-PM2	Pump # 2 (P-8900D)	Pump Station: Ballina Height (Cumbalum)	Ballina Heights Water Pump	Pump # 2 (P-8900D)	0	0	Active	F	$ 108,690.44	2015	POST
DW Pump Item	U:DW:D-P2404:PS-PM3	Pump # 3 (P-8900C)	Pump Station: Ballina Height (Cumbalum)	Ballina Heights Water Pump	Pump # 3 (P-8900C)	0	0	Active	F	$ 108,690.44	2015	POST
DW Pump Item	U:DW:D-P2404:PS-PM4	Pump # 4 (P-8900B)	Pump Station: Ballina Height (Cumbalum)	Ballina Heights Water Pump	Pump # 4 (P-8900B)	0	0	Active	F	$ 108,690.44	2015	POST
DW Pump Item	U:DW:D-P2404:PS-PM5	Pump # 5 (P-8900A)	Pump Station: Ballina Height (Cumbalum)	Ballina Heights Water Pump	Pump # 5 (P-8900A)	0	0	Active	F	$ 108,690.44	2015	POST
DW Valve Item	U:DW:D-P2404:PS-V01	Pump Suction Isolation Valve (HIV-8900	Pump Station: Ballina Height (Cumbalum)	Ballina Heights Water Pump	Pump Suction Isolation Valve (HIV-890	0	0	Active	F	$ 64,601.03	2015	POST
DW Valve Item	U:DW:D-P2404:PS-V02	Pump Bypass Isolation Valve (HIV-8900	Pump Station: Ballina Height (Cumbalum)	Ballina Heights Water Pump	Pump Bypass Isolation Valve (HIV-890	0	0	Active	F	$ 64,601.03	2015	POST
DW Valve Item	U:DW:D-P2404:PS-V03	Pump Discharge Isolation Valve (HIV-89	Pump Station: Ballina Height (Cumbalum)	Ballina Heights Water Pump	Pump Discharge Isolation Valve (HIV-8	0	0	Active	F	$ 64,601.03	2015	POST
DW Valve Item	U:DW:D-P2404:PS-V04	Expansion Vessel Isolation Valve (HIV-8	Pump Station: Ballina Height (Cumbalum)	Ballina Heights Water Pump	Expansion Vessel Isolation Valve (HIV-	0	0	Active	F	$ 64,601.03	2015	POST
DW Valve Item	U:DW:D-P2404:PS-V05	Discharge pressure isolation Valve (HIV	Pump Station: Ballina Height (Cumbalum)	Ballina Heights Water Pump	Discharge pressure isolation Valve (HI	0	0	Active	F	$ 32,353.38	2015	POST
DW Pump Item	U:DW:D-PBAS:PS-PM1	Duty Pump -water # 1	Pump Station: Basalt Court (Lennox Head)	Basalt Court Water Pump	Duty Pump -water # 1	0	0	Active	B	$ 70,627.64	2020	POST
DW Pump Item	U:DW:D-PBAS:PS-PM2	Duty Pump -water # 2	Pump Station: Basalt Court (Lennox Head)	Basalt Court Water Pump	Duty Pump -water # 2	0	0	Active	B	$ 70,627.64	2020	POST
DW Pump Item	U:DW:D-PBAS:PS-PM3	Jockey Pump -water	Pump Station: Basalt Court (Lennox Head)	Basalt Court Water Pump	Jockey Pump -water	0	0	Active	B	$ 70,627.64	2020	POST
DW Pipe Item	U:DW:D-PBAS:PS-PP1	Pipe -inlet	Pump Station: Basalt Court (Lennox Head)	Basalt Court Water Pump	Pipe -inlet	0	0	Active	B	$ 5,920.88	2020	POST
DW Facility Item	U:DW:D-PBAS:PS-PS1	Pump Skid -water	Pump Station: Basalt Court (Lennox Head)	Basalt Court Water Pump	Pump Skid -water	0	0	Active	B	$ 5,920.88	2020	POST
DW Facility Item	U:DW:D-PBAS:PS-TB	Thrust Block -concrete	Pump Station: Basalt Court (Lennox Head)	Basalt Court Water Pump	Thrust Block -concrete	0	0	Active	B	$ 5,920.88	2020	POST
DW Pump Item	U:DW:D-PCON:PS-PM1	Pump -water # 1	Pump Station: Converys Lane (Rural -McLeans Ridge)	Converys Lane Water Pump	Pump -water # 1	0	0	Active	E	$ 51,279.05	2019	POST
DW Pump Item	U:DW:D-PCON:PS-PM2	Pump -water # 2	Pump Station: Converys Lane (Rural -McLeans Ridge)	Converys Lane Water Pump	Pump -water # 2	0	0	Active	E	$ 51,279.05	2019	POST
DW Pump Item	U:DW:D-PCON:PS-PM3	Pump -water # 3	Pump Station: Converys Lane (Rural -McLeans Ridge)	Converys Lane Water Pump	Pump -water # 3	0	0	Active	E	$ 51,279.05	2019	POST
DW Pump Item	U:DW:D-PCON:PS-PM4	Pump -jockey	Pump Station: Converys Lane (Rural -McLeans Ridge)	Converys Lane Water Pump	Pump -jockey	0	0	Active	E	$ 36,582.59	2019	POST

DW Facility Item	U:DW:D-PGUM:CS-FECE	FCV -Electrical Cabinet -external	Pump Station: Gum Creek (Rural -Meerschaum Vale)	Control Systems	FCV -Electrical Cabinet -external	0	0	Active	E	$ 951.57	2003	POST
DW Monitoring Item	U:DW:D-PGUM:CS-FTA	FCV -Telemetry Aerial	Pump Station: Gum Creek (Rural -Meerschaum Vale)	Control Systems	FCV -Telemetry Aerial	0	0	Active	E	$ 1,268.76	1998	POST
DW Facility Item	U:DW:D-PGUM:CS-FTP	FCV -Telemetry Pole	Pump Station: Gum Creek (Rural -Meerschaum Vale)	Control Systems	FCV -Telemetry Pole	0	0	Active	E	$ 105.73	2003	POST
DW Control System Item	U:DW:D-PGUM:CS-RAD	Telemetry Remote Radio -S033	Pump Station: Gum Creek (Rural -Meerschaum Vale)	Control Systems	Telemetry Remote Radio -S033	0	0	Active	E	$ 3,066.17	2021	POST
DW Monitoring Item	U:DW:D-PGUM:PS-FT	Float	Pump Station: Gum Creek (Rural -Meerschaum Vale)	Gum Creek Water Pump	Float	0	0	Active	E	$ 3,171.90	1998	POST
DW Pump Item	U:DW:D-PGUM:PS-PM1	Pump -chlorine injection	Pump Station: Gum Creek (Rural -Meerschaum Vale)	Gum Creek Water Pump	Pump -chlorine injection	0	0	Active	E	$ 19,771.51	2003	POST
DW Pump Item	U:DW:D-PGUM:PS-PM2	Pump -water	Pump Station: Gum Creek (Rural -Meerschaum Vale)	Gum Creek Water Pump	Pump -water	0	0	Active	E	$ 73,799.54	1998	POST
DW Facility Item	U:DW:D-R2303:CS-EC	Electrical Cabinet	Reservoir 2303 -Pine Avenue (Ballina East)	Control Systems	Electrical Cabinet	0	0	Active	B	$ 2,114.60	1998	POST
DW Power Supply Item	U:DW:D-R2303:CS-PS	Power Supply	Reservoir 2303 -Pine Avenue (Ballina East)	Control Systems	Power Supply	0	0	Active	B	$ -	1998	POST
DW Control System Item	U:DW:D-R2303:CS-RAD	Telemetry Remote Radio -S100	Reservoir 2303 -Pine Avenue (Ballina East)	Control Systems	Telemetry Remote Radio -S100	0	0	Active	B	$ 3,066.17	2021	POST
DW Control System Item	U:DW:D-R2303:CS-RTU	Telemetry RTU -S100	Reservoir 2303 -Pine Avenue (Ballina East)	Control Systems	Telemetry RTU -S100	0	0	Active	B	$ 845.84	2003	POST
DW Switching Gear Item	U:DW:D-R2303:CS-SB	Electrical Switch Board	Reservoir 2303 -Pine Avenue (Ballina East)	Control Systems	Electrical Switch Board	0	0	Active	B	$ 21,040.27	1998	POST
DW Monitoring Item	U:DW:D-R2303:CS-TA	Telemetry Aerial	Reservoir 2303 -Pine Avenue (Ballina East)	Control Systems	Telemetry Aerial	0	0	Active	B	$ 1,480.22	2008	POST
DW Switching Gear Item	U:DW:D-R2303:CS-TBE	Telemetry Board -external	Reservoir 2303 -Pine Avenue (Ballina East)	Control Systems	Telemetry Board -external	0	0	Active	B	$ 8,987.05	2003	POST
DW Facility Item	U:DW:D-R2303:CS-TCE	Telemetry Cabinet -external	Reservoir 2303 -Pine Avenue (Ballina East)	Control Systems	Telemetry Cabinet -external	0	0	Active	B	$ 2,854.71	2003	POST
DW Facility Item	U:DW:D-R2303:CS-TP	Telemetry Pole	Reservoir 2303 -Pine Avenue (Ballina East)	Control Systems	Telemetry Pole	0	0	Active	B	$ 105.73	2008	POST
DW Switching Gear Item	U:DW:D-R2303:CS-USFM	Stationary Ultra-Sonic Flow Meter (DR 2	Reservoir 2303 -Pine Avenue (Ballina East)	Control Systems	Stationary Ultra-Sonic Flow Meter (DR	0	0	Active	B	$ 29,710.13	2020	POST
DW Facility Item	U:DW:D-R2303:CW-SS-SN1	Sign (no tresspassing)	Reservoir 2303 -Pine Avenue (Ballina East)	Site Civil Works	Site Security	Sign (no tresspassing)	0	Active	B	$ -	2011	POST
DW Facility Item	U:DW:D-R2303:CW-SS-SN2	Sign (no entry)	Reservoir 2303 -Pine Avenue (Ballina East)	Site Civil Works	Site Security	Sign (no entry)	0	Active	B	$ -	2013	POST
DW Facility Item	U:DW:D-R2303:CW-SS-SN3	Sign (surveilance cameras in use)	Reservoir 2303 -Pine Avenue (Ballina East)	Site Civil Works	Site Security	Sign (surveilance cameras in use)	0	Active	B	$ -	2010	POST
DW Power Supply Item	U:DW:D-R2303:PS-PS	Power Supply	Reservoir 2303 -Pine Avenue (Ballina East)	Power Supply	Power Supply	0	0	Active	B	$ -	1998	POST
DW Facility Item	U:DW:D-R2303:TK-FA	Roof -fascia	Reservoir 2303 -Pine Avenue (Ballina East)	Pine Avenue Tank	Roof -fascia	0	0	Active	B	$ 24,846.55	2008	POST
DW Monitoring Item	U:DW:D-R2303:TK-FS	Float System	Reservoir 2303 -Pine Avenue (Ballina East)	Pine Avenue Tank	Float System	0	0	Active	B	$ 3,594.82	2008	POST
DW Facility Item	U:DW:D-R2303:TK-LA	Ladder Access Cabinet	Reservoir 2303 -Pine Avenue (Ballina East)	Pine Avenue Tank	Ladder Access Cabinet	0	0	Active	B	$ 4,229.20	2008	POST
DW Access Item	U:DW:D-R2303:TK-LD1	Ladder	Reservoir 2303 -Pine Avenue (Ballina East)	Pine Avenue Tank	Ladder	0	0	Active	B	$ 35,102.36	1998	POST
DW Monitoring Item	U:DW:D-R2303:TK-LI	Level Indicator	Reservoir 2303 -Pine Avenue (Ballina East)	Pine Avenue Tank	Level Indicator	0	0	Active	B	$ 7,083.91	2008	POST
DW Facility Item	U:DW:D-R2303:TK-MC	Map cabinet	Reservoir 2303 -Pine Avenue (Ballina East)	Pine Avenue Tank	Map cabinet	0	0	Active	B	$ 1,057.30	2008	POST
DW Pipe Item	U:DW:D-R2303:TK-PP6	Pipe -down (drainage)	Reservoir 2303 -Pine Avenue (Ballina East)	Pine Avenue Tank	Pipe -down (drainage)	0	0	Active	B	$ 4,017.74	2013	POST
DW Storage Structure Item	U:DW:D-R2303:TK-RF	Roof -steel	Reservoir 2303 -Pine Avenue (Ballina East)	Pine Avenue Tank	Roof -steel	0	0	Active	B	$ 1,136,491.77	1998	POST
DW Facility Item	U:DW:D-R2303:TK-SC1	Security Camera # 1	Reservoir 2303 -Pine Avenue (Ballina East)	Pine Avenue Tank	Security Camera # 1	0	0	Active	B	$ 1,797.41	2011	POST
DW Facility Item	U:DW:D-R2303:TK-SC2	Security Camera # 2	Reservoir 2303 -Pine Avenue (Ballina East)	Pine Avenue Tank	Security Camera # 2	0	0	Active	B	$ 1,797.41	2011	POST
DW Power Supply Item	U:DW:D-R2304:CS-PS	Power Supply	Reservoir 2304 -Sulva Street (Ballina East)	Control Systems	Power Supply	0	0	Active	B	$ -	1998	POST
DW Control System Item	U:DW:D-R2304:CS-RAD	Telemetry Remote Radio -S105	Reservoir 2304 -Sulva Street (Ballina East)	Control Systems	Telemetry Remote Radio -S105	0	0	Active	B	$ 3,066.17	2021	POST
DW Control System Item	U:DW:D-R2304:CS-RTU	Telemetry RTU -S105	Reservoir 2304 -Sulva Street (Ballina East)	Control Systems	Telemetry RTU -S105	0	0	Active	B	$ 845.84	2021	POST
DW Switching Gear Item	U:DW:D-R2304:CS-SB	Electrical Switch Board	Reservoir 2304 -Sulva Street (Ballina East)	Control Systems	Electrical Switch Board	0	0	Active	B	$ 294,140.86	2020	POST
DW Monitoring Item	U:DW:D-R2304:CS-TA	Telemetry Aerial	Reservoir 2304 -Sulva Street (Ballina East)	Control Systems	Telemetry Aerial	0	0	Active	B	$ 1,585.95	2008	POST
DW Switching Gear Item	U:DW:D-R2304:CS-TBE	Telemetry Board -external	Reservoir 2304 -Sulva Street (Ballina East)	Control Systems	Telemetry Board -external	0	0	Active	B	$ 17,656.91	2020	POST
DW Facility Item	U:DW:D-R2304:CS-TCE	Telemetry Cabinet -external	Reservoir 2304 -Sulva Street (Ballina East)	Control Systems	Telemetry Cabinet -external	0	0	Active	B	$ 15,436.58	2003	POST
DW Facility Item	U:DW:D-R2304:CS-TP	Telemetry Pole	Reservoir 2304 -Sulva Street (Ballina East)	Control Systems	Telemetry Pole	0	0	Active	B	$ 105.73	2008	POST
DW Pipe Item	U:DW:D-R2304:CW-PW-PW1	Pipe 1: outlet flowmeter pit # 2 TO pum	Reservoir 2304 -Sulva Street (Ballina East)	Site Civil Works	Internal Pipework	Pipe 1: outlet flowmeter pit # 2 TO pu	0	Active	B	$ 12,581.87	2020	POST
DW Pipe Item	U:DW:D-R2304:CW-PW-PW2	Pipe 2: pump station TO outlet flowmet	Reservoir 2304 -Sulva Street (Ballina East)	Site Civil Works	Internal Pipework	Pipe 2: pump station TO outlet flowme	0	Active	B	$ 22,309.03	2020	POST
DW Pipe Item	U:DW:D-R2304:CW-PW-PW3	Pipe 3: inlet flowmeter pit TO rising ma	Reservoir 2304 -Sulva Street (Ballina East)	Site Civil Works	Internal Pipework	Pipe 3: inlet flowmeter pit TO rising m	0	Active	B	$ 7,506.83	2020	POST
DW Pipe Item	U:DW:D-R2304:CW-PW-PW4	Pipe 4: pump station TO reservoir	Reservoir 2304 -Sulva Street (Ballina East)	Site Civil Works	Internal Pipework	Pipe 4: pump station TO reservoir	0	Active	B	$ 13,956.36	2020	POST
DW Monitoring Item	U:DW:D-R2304:FMP1-FM	Flowmeter (outlet)	Reservoir 2304 -Sulva Street (Ballina East)	Outlet Flowmeter Pit # 1	Flowmeter (outlet)	0	0	Active	B	$ 2,960.44	2020	POST
DW Facility Item	U:DW:D-R2304:FMP1-PT	Pit -concrete	Reservoir 2304 -Sulva Street (Ballina East)	Outlet Flowmeter Pit # 1	Pit -concrete	0	0	Active	B	$ 11,841.76	2020	POST
DW Monitoring Item	U:DW:D-R2304:FMP2-FM	Flowmeter (outlet)	Reservoir 2304 -Sulva Street (Ballina East)	Outlet Flowmeter Pit # 2	Flowmeter (outlet)	0	0	Active	B	$ 2,960.44	2020	POST
DW Facility Item	U:DW:D-R2304:FMP2-PT	Pit -concrete	Reservoir 2304 -Sulva Street (Ballina East)	Outlet Flowmeter Pit # 2	Pit -concrete	0	0	Active	B	$ 11,841.76	2020	POST
DW Monitoring Item	U:DW:D-R2304:FMP3-FM	Flowmeter (inlet)	Reservoir 2304 -Sulva Street (Ballina East)	Inlet Flowmeter Pit	Flowmeter (inlet)	0	0	Active	E	$ 2,960.44	2020	POST
DW Facility Item	U:DW:D-R2304:FMP3-PT	Pit -concrete	Reservoir 2304 -Sulva Street (Ballina East)	Inlet Flowmeter Pit	Pit -concrete	0	0	Active	E	$ 11,841.76	2020	POST
DW Power Supply Item	U:DW:D-R2304:PS-PS	Power Supply	Reservoir 2304 -Sulva Street (Ballina East)	Power Supply	Power Supply	0	0	Active	B	$ 58,891.61	2020	POST
DW Facility Item	U:DW:D-R2304:TK-AH	Access Hatch	Reservoir 2304 -Sulva Street (Ballina East)	Suvla Street Tank	Access Hatch	0	0	Active	B	$ 3,489.09	2020	POST
DW Facility Item	U:DW:D-R2304:TK-FA	Roof -fascia	Reservoir 2304 -Sulva Street (Ballina East)	Suvla Street Tank	Roof -fascia	0	0	Active	B	$ 17,656.91	2020	POST
DW Monitoring Item	U:DW:D-R2304:TK-FS	Float System	Reservoir 2304 -Sulva Street (Ballina East)	Suvla Street Tank	Float System	0	0	Active	B	$ 4,757.85	2020	POST
DW Storage Structure Item	U:DW:D-R2304:TK-IRG	Internal Ring Girder	Reservoir 2304 -Sulva Street (Ballina East)	Suvla Street Tank	Internal Ring Girder	0	0	Active	B	$ 235,354.98	2020	POST
DW Facility Item	U:DW:D-R2304:TK-LA	Ladder Access Cabinet	Reservoir 2304 -Sulva Street (Ballina East)	Suvla Street Tank	Ladder Access Cabinet	0	0	Active	B	$ 5,920.88	2020	POST
DW Access Item	U:DW:D-R2304:TK-LD1	Ladder	Reservoir 2304 -Sulva Street (Ballina East)	Suvla Street Tank	Ladder	0	0	Active	B	$ 29,498.67	2020	POST
DW Monitoring Item	U:DW:D-R2304:TK-LI	Level Indicator	Reservoir 2304 -Sulva Street (Ballina East)	Suvla Street Tank	Level Indicator	0	0	Active	B	$ 5,920.88	2020	POST
DW Facility Item	U:DW:D-R2304:TK-MC	Map cabinet	Reservoir 2304 -Sulva Street (Ballina East)	Suvla Street Tank	Map cabinet	0	0	Active	B	$ 1,163.03	2008	POST
DW Pipe Item	U:DW:D-R2304:TK-PP6	Pipe -down (drainage)	Reservoir 2304 -Sulva Street (Ballina East)	Suvla Street Tank	Pipe -down (drainage)	0	0	Active	B	$ 3,700.55	2003	POST
DW Storage Structure Item	U:DW:D-R2304:TK-RF	Roof -steel	Reservoir 2304 -Sulva Street (Ballina East)	Suvla Street Tank	Roof -steel	0	0	Active	B	$ 832,835.21	2020	POST
DW Facility Item	U:DW:D-R2304:TK-RHR	Roof Access Hand Rail	Reservoir 2304 -Sulva Street (Ballina East)	Suvla Street Tank	Roof Access Hand Rail	0	0	Active	B	$ 6,660.99	2020	POST
DW Facility Item	U:DW:D-R2304:TK-RIS	RIS Roof Static Line	Reservoir 2304 -Sulva Street (Ballina East)	Suvla Street Tank	RIS Roof Static Line	0	0	Active	B	$ 27,172.61	2020	POST
DW Monitoring Item	U:DW:D-R2304:TK-ST1	Sample Tap	Reservoir 2304 -Sulva Street (Ballina East)	Suvla Street Tank	Sample Tap	0	0	Active	B	$ -	2008	POST
DW Monitoring Item	U:DW:D-R2304:VP-FM	Flowmeter	Reservoir 2304 -Sulva Street (Ballina East)	Valve Pit	Flowmeter	0	0	Active	B	$ 1,585.95	2003	POST
DW Power Supply Item	U:DW:D-R2401:CS-PS	Power Supply	Reservoir 4002 -Gap Road Nursery (Alstonville)	Control Systems	Power Supply	0	0	Active	E	$ -	1998	POST
DW Control System Item	U:DW:D-R2401:CS-RAD	Telemetry Remote Radio -S110	Reservoir 4002 -Gap Road Nursery (Alstonville)	Control Systems	Telemetry Remote Radio -S110	0	0	Active	E	$ 3,066.17	2021	POST
DW Power Supply Item	U:DW:D-R2401:PS-PS	Power Supply	Reservoir 4002 -Gap Road Nursery (Alstonville)	Power Supply	Power Supply	0	0	Active	E	$ 2,854.71	1998	POST
DW Valve Item	U:DW:D-R2403:BVP5-GV	Valve -Gate	Reservoir 2403 -Ballina Heights (Cumbalum)	DW Gate Valve Pit @ Tank Outlet	Valve -Gate	0	0	Active	F	$ 1,797.41	2015	POST
DW Facility Item	U:DW:D-R2403:BVP5-PT	Valve -Pit	Reservoir 2403 -Ballina Heights (Cumbalum)	DW Gate Valve Pit @ Tank Outlet	Valve -Pit	0	0	Active	F	$ 1,797.41	2015	POST
DW Valve Item	U:DW:D-R2403:BVP6-GV	Valve -Gate	Reservoir 2403 -Ballina Heights (Cumbalum)	DW Gate Valve Pit @ Tank Scour /	Valve -Gate	0	0	Active	F	$ 1,797.41	2015	POST
DW Facility Item	U:DW:D-R2403:BVP6-PT	Valve -Pit	Reservoir 2403 -Ballina Heights (Cumbalum)	DW Gate Valve Pit @ Tank Scour /	Valve -Pit	0	0	Active	F	$ 1,797.41	2015	POST
DW Valve Item	U:DW:D-R2403:BVP7-GV	Valve -Gate	Reservoir 2403 -Ballina Heights (Cumbalum)	DW Gate Valve Pit (between) Pum	Valve -Gate	0	0	Active	F	$ 1,797.41	2015	POST
DW Facility Item	U:DW:D-R2403:BVP7-PT	Valve -Pit	Reservoir 2403 -Ballina Heights (Cumbalum)	DW Gate Valve Pit (between) Pum	Valve -Pit	0	0	Active	F	$ 1,797.41	2015	POST
DW Valve Item	U:DW:D-R2403:BVP8-GV	Valve -Gate	Reservoir 2403 -Ballina Heights (Cumbalum)	DW Gate Valve Pit (between) Tan	Valve -Gate	0	0	Active	F	$ 1,797.41	2015	POST
DW Facility Item	U:DW:D-R2403:BVP8-PT	Valve -Pit	Reservoir 2403 -Ballina Heights (Cumbalum)	DW Gate Valve Pit (between) Tan	Valve -Pit	0	0	Active	F	$ 1,797.41	2015	POST

DW Facility Item	U:DW:D-R2403:CS-EC	Electrical Cabinet	Reservoir 2403 -Ballina Heights (Cumbalum)	Control Systems	Electrical Cabinet	0	0	Active	F	$ 2,960.44	2015	POST	
DW Monitoring Item	U:DW:D-R2403:CS-LSH	Level switch high (LEH-8700)	Reservoir 2403 -Ballina Heights (Cumbalum)	Control Systems	Level switch high (LEH-8700)	0	0	Active	F	$ 17,339.72	2015	POST	
DW Monitoring Item	U:DW:D-R2403:CS-LSL	Level switch low (LEL-8700)	Reservoir 2403 -Ballina Heights (Cumbalum)	Control Systems	Level switch low (LEL-8700)	0	0	Active	F	$ 17,339.72	2015	POST	
DW Monitoring Item	U:DW:D-R2403:CS-LT	Level transmitter (LET-8700)	Reservoir 2403 -Ballina Heights (Cumbalum)	Control Systems	Level transmitter (LET-8700)	0	0	Active	F	$ 17,339.72	2015	POST	
DW Power Supply Item	U:DW:D-R2403:CS-PS	Power Supply	Reservoir 2403 -Ballina Heights (Cumbalum)	Control Systems	Power Supply	0	0	Active	F	$ 17,339.72	2015	POST	
DW Switching Gear Item	U:DW:D-R2403:CS-SB	Electrical Switch Board	Reservoir 2403 -Ballina Heights (Cumbalum)	Control Systems	Electrical Switch Board	0	0	Active	F	$ 28,758.56	2015	POST	
DW Monitoring Item	U:DW:D-R2403:CS-TA	Telemetry Aerial	Reservoir 2403 -Ballina Heights (Cumbalum)	Control Systems	Telemetry Aerial	0	0	Active	F	$ 1,797.41	2015	POST	
DW Switching Gear Item	U:DW:D-R2403:CS-TBE	Telemetry Board -external	Reservoir 2403 -Ballina Heights (Cumbalum)	Control Systems	Telemetry Board -external	0	0	Active	F	$ 5,815.15	2015	POST	
DW Facility Item	U:DW:D-R2403:CS-TCE	Telemetry Cabinet -external	Reservoir 2403 -Ballina Heights (Cumbalum)	Control Systems	Telemetry Cabinet -external	0	0	Active	F	$ 1,797.41	2015	POST	
DW Facility Item	U:DW:D-R2403:CS-TP	Telemetry Pole	Reservoir 2403 -Ballina Heights (Cumbalum)	Control Systems	Telemetry Pole	0	0	Active	F	$ 1,797.41	2015	POST	
DW Pipe Item	U:DW:D-R2403:PN-01	Pipe -Tank Inlet TO Bend E2	Reservoir 2403 -Ballina Heights (Cumbalum)	DW Pipe Network	Pipe -Tank Inlet TO Bend E2	0	0	Active	F	$ 2,960.44	2015	POST	
DW Pipe Item	U:DW:D-R2403:PN-02	Pipe -Tank Outlet TO Junction	Reservoir 2403 -Ballina Heights (Cumbalum)	DW Pipe Network	Pipe -Tank Outlet TO Junction	0	0	Active	F	$ 2,960.44	2015	POST	
DW Pipe Item	U:DW:D-R2403:PN-03	Pipe -Pump House TO Junction	Reservoir 2403 -Ballina Heights (Cumbalum)	DW Pipe Network	Pipe -Pump House TO Junction	0	0	Active	F	$ 2,960.44	2015	POST	
DW Pipe Item	U:DW:D-R2403:PN-04	Pipe -Junction TO Taper	Reservoir 2403 -Ballina Heights (Cumbalum)	DW Pipe Network	Pipe -Junction TO Taper	0	0	Active	F	$ 2,960.44	2015	POST	
DW Pipe Item	U:DW:D-R2403:PN-05	Pipe -Taper (300-375) TO Hydrant	Reservoir 2403 -Ballina Heights (Cumbalum)	DW Pipe Network	Pipe -Taper (300-375) TO Hydrant	0	0	Active	F	$ 2,960.44	2015	POST	
DW Pipe Item	U:DW:D-R2403:PN-06	Pipe -Pump House TO Bend A5	Reservoir 2403 -Ballina Heights (Cumbalum)	DW Pipe Network	Pipe -Pump House TO Bend A5	0	0	Active	F	$ 2,960.44	2015	POST	
DW Pipe Item	U:DW:D-R2403:PN-07	Pipe -Bend A5 TO Bend A6	Reservoir 2403 -Ballina Heights (Cumbalum)	DW Pipe Network	Pipe -Bend A5 TO Bend A6	0	0	Active	F	$ 2,960.44	2015	POST	
DW Pipe Item	U:DW:D-R2403:PN-08	Pipe -Bend A6 TO Bend A7	Reservoir 2403 -Ballina Heights (Cumbalum)	DW Pipe Network	Pipe -Bend A6 TO Bend A7	0	0	Active	F	$ 2,960.44	2015	POST	
DW Pipe Item	U:DW:D-R2403:PN-09	Pipe -Bend A7 TO Bend A8	Reservoir 2403 -Ballina Heights (Cumbalum)	DW Pipe Network	Pipe -Bend A7 TO Bend A8	0	0	Active	F	$ 2,960.44	2015	POST	
DW Pipe Item	U:DW:D-R2403:PN-10	Pipe -Bend A8 TO (existing)	Reservoir 2403 -Ballina Heights (Cumbalum)	DW Pipe Network	Pipe -Bend A8 TO (existing)	0	0	Active	F	$ 2,960.44	2015	POST	
DW Pipe Item	U:DW:D-R2403:PNR-01	(Rous) Pipe -Bend E2 TO MBV	Reservoir 2403 -Ballina Heights (Cumbalum)	DW Pipe Network (Rous)	(Rous) Pipe -Bend E2 TO MBV	0	0	Active	F	$ -	2015	POST	
DW Pipe Item	U:DW:D-R2403:PNR-02	(Rous) Pipe -MBV TO FM	Reservoir 2403 -Ballina Heights (Cumbalum)	DW Pipe Network (Rous)	(Rous) Pipe -MBV TO FM	0	0	Active	F	$ -	2015	POST	
DW Pipe Item	U:DW:D-R2403:PNR-03	(Rous) Pipe -FM TO B4	Reservoir 2403 -Ballina Heights (Cumbalum)	DW Pipe Network (Rous)	(Rous) Pipe -FM TO B4	0	0	Active	F	$ -	2015	POST	
DW Power Supply Item	U:DW:D-R2403:PS-PS	Power Supply	Reservoir 2403 -Ballina Heights (Cumbalum)	Power Supply	Power Supply	0	0	Active	F	$ 28,758.56	2015	POST	
DW Valve Item	U:DW:D-R2403:RVP1-MBV	(Rous) Motorised Butterly Valve	Reservoir 2403 -Ballina Heights (Cumbalum)	DW Motorised Butterfly Valve Pit	(Rous) Motorised Butterly Valve	0	0	Active	F	$ -	2015	POST	
DW Facility Item	U:DW:D-R2403:RVP1-PL	(Rous) Pit Lid	Reservoir 2403 -Ballina Heights (Cumbalum)	DW Motorised Butterfly Valve Pit	(Rous) Pit Lid	0	0	Active	F	$ -	2015	POST	
DW Facility Item	U:DW:D-R2403:RVP1-PT	(Rous) Pit -concrete	Reservoir 2403 -Ballina Heights (Cumbalum)	DW Motorised Butterfly Valve Pit	(Rous) Pit -concrete	0	0	Active	F	$ -	2015	POST	
DW Monitoring Item	U:DW:D-R2403:RVP2-MBV	(Rous) Inlet flow meter (FLM-8705)	Reservoir 2403 -Ballina Heights (Cumbalum)	DW Flow Meter Pit (Rous)	(Rous) Inlet flow meter (FLM-8705)	0	0	Active	F	$ -	2015	POST	
DW Facility Item	U:DW:D-R2403:RVP2-PL	(Rous) Pit Lid	Reservoir 2403 -Ballina Heights (Cumbalum)	DW Flow Meter Pit (Rous)	(Rous) Pit Lid	0	0	Active	F	$ -	2015	POST	
DW Facility Item	U:DW:D-R2403:RVP2-PT	(Rous) Pit -concrete	Reservoir 2403 -Ballina Heights (Cumbalum)	DW Flow Meter Pit (Rous)	(Rous) Pit -concrete	0	0	Active	F	$ -	2015	POST	
DW Valve Item	U:DW:D-R2403:RVP3-GV	(Rous) Valve -Gate	Reservoir 2403 -Ballina Heights (Cumbalum)	DW Gate Valve Pit @ MBV (Rous)	(Rous) Valve -Gate	0	0	Active	F	$ -	2015	POST	
DW Facility Item	U:DW:D-R2403:RVP3-PT	(Rous) Valve -Pit	Reservoir 2403 -Ballina Heights (Cumbalum)	DW Gate Valve Pit @ MBV (Rous)	(Rous) Valve -Pit	0	0	Active	F	$ -	2015	POST	
DW Valve Item	U:DW:D-R2403:RVP4-GV	(Rous) Valve -Gate	Reservoir 2403 -Ballina Heights (Cumbalum)	DW Gate Valve Pit @ FM (Rous)	(Rous) Valve -Gate	0	0	Active	F	$ -	2015	POST	
DW Facility Item	U:DW:D-R2403:RVP4-PT	(Rous) Valve -Pit	Reservoir 2403 -Ballina Heights (Cumbalum)	DW Gate Valve Pit @ FM (Rous)	(Rous) Valve -Pit	0	0	Active	F	$ -	2015	POST	
DW Facility Item	U:DW:D-R2403:TK-FA	Roof -fascia	Reservoir 2403 -Ballina Heights (Cumberlum)	Ballina Heights Tank	Roof -fascia	0	0	Active	F	$ 33,939.33	2015	POST	
DW Monitoring Item	U:DW:D-R2403:TK-FS	Float System	Reservoir 2403 -Ballina Heights (Cumberlum)	Ballina Heights Tank	Float System	0	0	Active	F	$ 28,758.56	2015	POST	
DW Monitoring Item	U:DW:D-R2403:TK-LI	Level Indicator	Reservoir 2403 -Ballina Heights (Cumberlum)	Ballina Heights Tank	Level Indicator	0	0	Active	F	$ 17,339.72	2015	POST	
DW Pipe Item	U:DW:D-R2403:TK-PP1	Pipe -inlet	Reservoir 2403 -Ballina Heights (Cumberlum)	Ballina Heights Tank	Pipe -inlet	0	0	Active	F	$ 5,815.15	2015	POST	
DW Pipe Item	U:DW:D-R2403:TK-PP2	Pipe -scour	Reservoir 2403 -Ballina Heights (Cumberlum)	Ballina Heights Tank	Pipe -scour	0	0	Active	F	$ 5,815.15	2015	POST	
DW Pipe Item	U:DW:D-R2403:TK-PP3	Pipe -overflow	Reservoir 2403 -Ballina Heights (Cumberlum)	Ballina Heights Tank	Pipe -overflow	0	0	Active	F	$ 5,815.15	2015	POST	
DW Pipe Item	U:DW:D-R2403:TK-PP4	Pipe -outlet	Reservoir 2403 -Ballina Heights (Cumberlum)	Ballina Heights Tank	Pipe -outlet	0	0	Active	F	$ 5,815.15	2015	POST	
DW Pipe Item	U:DW:D-R2403:TK-PP5	Pipe -water	Reservoir 2403 -Ballina Heights (Cumberlum)	Ballina Heights Tank	Pipe -water	0	0	Active	F	$ 5,815.15	2015	POST	
DW Pipe Item	U:DW:D-R2403:TK-PP6	Pipe -down (drainage)	Reservoir 2403 -Ballina Heights (Cumberlum)	Ballina Heights Tank	Pipe -down (drainage)	0	0	Active	F	$ 5,815.15	2015	POST	
DW Storage Structure Item	U:DW:D-R2403:TK-RF	Roof -steel	Reservoir 2403 -Ballina Heights (Cumberlum)	Ballina Heights Tank	Roof -steel	0	0	Active	F	$ 206,490.69	2015	POST	
DW Facility Item	U:DW:D-R2403:TK-SP	Stormwater Pit	Reservoir 2403 -Ballina Heights (Cumberlum)	Ballina Heights Tank	Stormwater Pit	0	0	Active	F	$ 1,797.41	2015	POST	
DW Facility Item	U:DW:D-R2403:TK-TK1	Foundation -concrete	Reservoir 2403 -Ballina Heights (Cumberlum)	Ballina Heights Tank	Foundation -concrete	0	0	Active	F	$ 154,894.45	2015	POST	
DW Facility Item	U:DW:D-R2403:TK-TK2	Map cabinet	Reservoir 2403 -Ballina Heights (Cumberlum)	Ballina Heights Tank	Map cabinet	0	0	Active	F	$ 5,815.15	2015	POST	
DW Storage Structure Item	U:DW:D-R2403:TK-TK3	Concrete Tank Structure (TK-8700)	Reservoir 2403 -Ballina Heights (Cumberlum)	Ballina Heights Tank	Concrete Tank Structure (TK-8700)	0	0	Active	F	$ 816,129.87	2015	POST	
DW Facility Item	U:DW:D-R3101:CS-EC	Electrical Cabinet	Reservoir 3101 -North Creek Road (Lennox Head)	Control Systems	Electrical Cabinet	0	0	Active	B	$ 951.57	2003	POST	
DW Power Supply Item	U:DW:D-R3101:CS-PS	Power Supply	Reservoir 3101 -North Creek Road (Lennox Head)	Control Systems	Power Supply	0	0	Active	B	$ -	1998	POST	
DW Control System Item	U:DW:D-R3101:CS-RAD	Telemetry Remote Radio -S106	Reservoir 3101 -North Creek Road (Lennox Head)	Control Systems	Telemetry Remote Radio -S106	0	0	Active	B	$ 3,066.17	2021	POST	
DW Control System Item	U:DW:D-R3101:CS-RTU	Telemetry RTU -S106	Reservoir 3101 -North Creek Road (Lennox Head)	Control Systems	Telemetry RTU -S106	0	0	Active	B	$ 845.84	2003	POST	
DW Switching Gear Item	U:DW:D-R3101:CS-SB	Electrical Switch Board	Reservoir 3101 -North Creek Road (Lennox Head)	Control Systems	Electrical Switch Board	0	0	Active	B	$ 3,171.90	2003	POST	
DW Monitoring Item	U:DW:D-R3101:CS-TA	Telemetry Aerial	Reservoir 3101 -North Creek Road (Lennox Head)	Control Systems	Telemetry Aerial	0	0	Active	B	$ 1,268.76	2008	POST	
DW Switching Gear Item	U:DW:D-R3101:CS-TBE	Telemetry Board -external	Reservoir 3101 -North Creek Road (Lennox Head)	Control Systems	Telemetry Board -external	0	0	Active	B	$ 2,537.52	2003	POST	
DW Facility Item	U:DW:D-R3101:CS-TCE	Telemetry Cabinet -external	Reservoir 3101 -North Creek Road (Lennox Head)	Control Systems	Telemetry Cabinet -external	0	0	Active	B	$ 951.57	2003	POST	
DW Facility Item	U:DW:D-R3101:CS-TP	Telemetry Pole	Reservoir 3101 -North Creek Road (Lennox Head)	Control Systems	Telemetry Pole	0	0	Active	B	$ 105.73	2008	POST	
DW Facility Item	U:DW:D-R3101:CW-OS-GN	Site Gardens	Reservoir 3101 -North Creek Road (Lennox Head)	Site Civil Works	Open Space	Site Gardens	0	Active	B	$ 6,978.18	2013	POST	
DW Facility Item	U:DW:D-R3101:CW-OS-RW	Retaining Wall	Reservoir 3101 -North Creek Road (Lennox Head)	Site Civil Works	Open Space	Retaining Wall	0	Active	B	$ 27,172.61	2003	POST	
DW Facility Item	U:DW:D-R3101:CW-SS-SN1	Sign (no tresspassing)	Reservoir 3101 -North Creek Road (Lennox Head)	Site Civil Works	Site Security	Sign (no tresspassing)	0	Active	B	$ -	2011	POST	
DW Power Supply Item	U:DW:D-R3101:PS-PS	Power Supply	Reservoir 3101 -North Creek Road (Lennox Head)	Power Supply	Power Supply	0	0	Active	B	$ 19,982.97	1998	POST	
DW Facility Item	U:DW:D-R3101:TK-FA	Roof -fascia	Reservoir 3101 -North Creek Road (Lennox Head)	North Creek Tank	Roof -fascia	0	0	Active	B	$ 11,101.65	2008	POST	
DW Facility Item	U:DW:D-R3101:TK-LA	Ladder Access Cabinet	Reservoir 3101 -North Creek Road (Lennox Head)	North Creek Tank	Ladder Access Cabinet	0	0	Active	B	$ 3,700.55	2003	POST	
DW Access Item	U:DW:D-R3101:TK-LD1	Ladder	Reservoir 3101 -North Creek Road (Lennox Head)	North Creek Tank	Ladder	0	0	Active	B	$ 30,767.43	1998	POST	
DW Monitoring Item	U:DW:D-R3101:TK-LI	Level Indicator	Reservoir 3101 -North Creek Road (Lennox Head)	North Creek Tank	Level Indicator	0	0	Active	B	$ 5,709.42	2013	POST	
DW Facility Item	U:DW:D-R3101:TK-MC	Map cabinet	Reservoir 3101 -North Creek Road (Lennox Head)	North Creek Tank	Map cabinet	0	0	Active	B	$ 951.57	2008	POST	
DW Pipe Item	U:DW:D-R3101:TK-PP6	Pipe -down (drainage)	Reservoir 3101 -North Creek Road (Lennox Head)	North Creek Tank	Pipe -down (drainage)	0	0	Active	B	$ 740.11	2008	POST	
DW Facility Item	U:DW:D-R3101:TK-SP	Stormwater Pit	Reservoir 3101 -North Creek Road (Lennox Head)	North Creek Tank	Stormwater Pit	0	0	Active	B	$ -	2008	POST	
DW Monitoring Item	U:DW:D-R3101:TK-ST1	Sample Tap	Reservoir 3101 -North Creek Road (Lennox Head)	North Creek Tank	Sample Tap	0	0	Active	B	$ -	2008	POST	
DW Monitoring Item	U:DW:D-R3101:VP-FM	Flowmeter	Reservoir 3101 -North Creek Road (Lennox Head)	Valve Pit	Flowmeter	0	0	Active	B	$ 1,268.76	2003	POST	
DW Facility Item	U:DW:D-R3102:CS-EC	Electrical Cabinet	Reservoir 3102 -Basalt Court (Lennox Head)	Control Systems	Electrical Cabinet	0	0	Active	B	$ 23,577.79	2020	POST	
DW Power Supply Item	U:DW:D-R3102:CS-PS	Power Supply	Reservoir 3102 -Basalt Court (Lennox Head)	Control Systems	Power Supply	0	0	Active	B	$ -	1998	POST	
DW Control System Item	U:DW:D-R3102:CS-RAD	Telemetry Remote Radio -S102	Reservoir 3102 -Basalt Court (Lennox Head)	Control Systems	Telemetry Remote Radio -S102	0	0	Active	B	$ 3,066.17	2021	POST	
DW Control System Item	U:DW:D-R3102:CS-RTU	Telemetry RTU -S102	Reservoir 3102 -Basalt Court (Lennox Head)	Control Systems	Telemetry RTU -S102	0	0	Active	B	$ 845.84	2003	POST	
DW Switching Gear Item	U:DW:D-R3102:CS-SB	Electrical Switch Board	Reservoir 3102 -Basalt Court (Lennox Head)	Control Systems	Electrical Switch Board	0	0	Active	B	$ 294,140.86	2020	POST	

DW Monitoring Item	U:DW:D-R3102:CS-TA	Telemetry Aerial	Reservoir 3102 -Basalt Court (Lennox Head)	Control Systems	Telemetry Aerial	0	0	Active	B	$	1,585.95	2008	POST
DW Switching Gear Item	U:DW:D-R3102:CS-TBE	Telemetry Board -external	Reservoir 3102 -Basalt Court (Lennox Head)	Control Systems	Telemetry Board -external	0	0	Active	B	$	3,066.17	2003	POST
DW Facility Item	U:DW:D-R3102:CS-TCE	Telemetry Cabinet -external	Reservoir 3102 -Basalt Court (Lennox Head)	Control Systems	Telemetry Cabinet -external	0	0	Active	B	$	1,163.03	2003	POST
DW Facility Item	U:DW:D-R3102:CS-TP	Telemetry Pole	Reservoir 3102 -Basalt Court (Lennox Head)	Control Systems	Telemetry Pole	0	0	Active	B	$	2,114.60	2013	POST
DW Pipe Item	U:DW:D-R3102:CW-PW-PW1	Pipe 1: pump station TO reservoir	Reservoir 3102 -Basalt Court (Lennox Head)	Site Civil Works	Internal Pipework	Pipe 1: pump station TO reservoir	0	Active	B	$	5,286.50	2020	POST
DW Power Supply Item	U:DW:D-R3102:PS-PS	Power Supply (basalt court)	Reservoir 3102 -Basalt Court (Lennox Head)	Power Supply	Power Supply (basalt court)	0	0	Active	B	$	-	1998	POST
DW Facility Item	U:DW:D-R3102:TK-FA	Roof -fascia	Reservoir 3102 -Basalt Court (Lennox Head)	Basalt Court Tank	Roof -fascia	0	0	Active	B	$	41,869.08	2013	POST
DW Monitoring Item	U:DW:D-R3102:TK-FS	Float System	Reservoir 3102 -Basalt Court (Lennox Head)	Basalt Court Tank	Float System	0	0	Active	B	$	3,806.28	2008	POST
DW Facility Item	U:DW:D-R3102:TK-LA	Ladder Access Cabinet	Reservoir 3102 -Basalt Court (Lennox Head)	Basalt Court Tank	Ladder Access Cabinet	0	0	Active	B	$	422.92	2005	POST
DW Access Item	U:DW:D-R3102:TK-LD1	Ladder	Reservoir 3102 -Basalt Court (Lennox Head)	Basalt Court Tank	Ladder	0	0	Active	B	$	37,851.34	1998	POST
DW Monitoring Item	U:DW:D-R3102:TK-LI	Level Indicator	Reservoir 3102 -Basalt Court (Lennox Head)	Basalt Court Tank	Level Indicator	0	0	Active	B	$	7,612.56	2008	POST
DW Facility Item	U:DW:D-R3102:TK-MC	Map cabinet	Reservoir 3102 -Basalt Court (Lennox Head)	Basalt Court Tank	Map cabinet	0	0	Active	B	$	1,163.03	2008	POST
DW Monitoring Item	U:DW:D-R3102:TK-ST1	Sample Tap	Reservoir 3102 -Basalt Court (Lennox Head)	Basalt Court Tank	Sample Tap	0	0	Active	B	$	-	2008	POST
DW Monitoring Item	U:DW:D-R3102:VP-FM	Flowmeter	Reservoir 3102 -Basalt Court (Lennox Head)	Valve Pit	Flowmeter	0	0	Active	B	$	1,585.95	2003	POST
DW Facility Item	U:DW:D-R4001:CS-EC	Electrical Cabinet	Reservoir 4001 -Whites Lane (Alstonville)	Control Systems	Electrical Cabinet	0	0	Active	E	$	1,268.76	1998	POST
DW Power Supply Item	U:DW:D-R4001:CS-PS	Power Supply	Reservoir 4001 -Whites Lane (Alstonville)	Control Systems	Power Supply	0	0	Active	E	$	-	1998	POST
DW Monitoring Item	U:DW:D-R4001:CS-TA	Telemetry Aerial	Reservoir 4001 -Whites Lane (Alstonville)	Control Systems	Telemetry Aerial	0	0	Active	E	$	1,268.76	2008	POST
DW Switching Gear Item	U:DW:D-R4001:CS-TBE	Telemetry Board -external	Reservoir 4001 -Whites Lane (Alstonville)	Control Systems	Telemetry Board -external	0	0	Active	E	$	8,035.48	2003	POST
DW Facility Item	U:DW:D-R4001:CS-TCE	Telemetry Cabinet -external	Reservoir 4001 -Whites Lane (Alstonville)	Control Systems	Telemetry Cabinet -external	0	0	Active	E	$	1,268.76	2003	POST
DW Facility Item	U:DW:D-R4001:CS-TP	Telemetry Pole	Reservoir 4001 -Whites Lane (Alstonville)	Control Systems	Telemetry Pole	0	0	Active	E	$	105.73	2008	POST
DW Power Supply Item	U:DW:D-R4001:PS-PS	Power Supply	Reservoir 4001 -Whites Lane (Alstonville)	Power Supply	Power Supply	0	0	Active	E	$	-	1998	POST
DW Facility Item	U:DW:D-R4001:TK-FA	Roof -fascia	Reservoir 4001 -Whites Lane (Alstonville)	Whites Lane Tank	Roof -fascia	0	0	Active	E	$	6,238.07	1998	POST
DW Facility Item	U:DW:D-R4001:TK-LA	Ladder Access Cabinet	Reservoir 4001 -Whites Lane (Alstonville)	Whites Lane Tank	Ladder Access Cabinet	0	0	Active	E	$	3,700.55	1998	POST
DW Access Item	U:DW:D-R4001:TK-LD1	Ladder	Reservoir 4001 -Whites Lane (Alstonville)	Whites Lane Tank	Ladder	0	0	Active	E	$	18,502.75	2003	POST
DW Monitoring Item	U:DW:D-R4001:TK-LI	Level Indicator	Reservoir 4001 -Whites Lane (Alstonville)	Whites Lane Tank	Level Indicator	0	0	Active	E	$	6,238.07	2008	POST
DW Storage Structure Item	U:DW:D-R4001:TK-RF	Roof -steel	Reservoir 4001 -Whites Lane (Alstonville)	Whites Lane Tank	Roof -steel	0	0	Active	E	$	37,534.15	1998	POST
DW Monitoring Item	U:DW:D-R4001:TK-ST1	Sample Tap	Reservoir 4001 -Whites Lane (Alstonville)	Whites Lane Tank	Sample Tap	0	0	Active	E	$	-	2008	POST
DW Facility Item	U:DW:D-R4001:TK-ST2	Standard Tap	Reservoir 4001 -Whites Lane (Alstonville)	Whites Lane Tank	Standard Tap	0	0	Active	E	$	-	2003	POST
DW Facility Item	U:DW:D-R4001:VP-PT1	Pit -concrete # 1	Reservoir 4001 -Whites Lane (Alstonville)	Valve Pit	Pit -concrete # 1	0	0	Active	E	$	211.46	2003	POST
DW Facility Item	U:DW:D-R4001:VP-PT2	Pit -concrete # 2	Reservoir 4001 -Whites Lane (Alstonville)	Valve Pit	Pit -concrete # 2	0	0	Active	E	$	211.46	2003	POST
DW Facility Item	U:DW:D-R4001:VP-PT3	Pit -concrete # 3	Reservoir 4001 -Whites Lane (Alstonville)	Valve Pit	Pit -concrete # 3	0	0	Active	E	$	211.46	2003	POST
DW Facility Item	U:DW:D-R4001:VP-PT4	Pit -concrete # 4	Reservoir 4001 -Whites Lane (Alstonville)	Valve Pit	Pit -concrete # 4	0	0	Active	E	$	211.46	2003	POST
DW Facility Item	U:DW:D-R4001:VP-PT5	Pit -concrete # 5	Reservoir 4001 -Whites Lane (Alstonville)	Valve Pit	Pit -concrete # 5	0	0	Active	E	$	211.46	2003	POST
DW Facility Item	U:DW:D-R4001:VP-PT6	Pit -concrete # 6	Reservoir 4001 -Whites Lane (Alstonville)	Valve Pit	Pit -concrete # 6	0	0	Active	E	$	211.46	2003	POST
DW Facility Item	U:DW:D-R4001:VP-PT7	Pit -concrete # 7	Reservoir 4001 -Whites Lane (Alstonville)	Valve Pit	Pit -concrete # 7	0	0	Active	E	$	211.46	2003	POST
DW Facility Item	U:DW:D-R4101:CS-EC	Electrical Cabinet	Reservoir 4101 -Converys Lane (Wollongbar)	Control Systems	Electrical Cabinet	0	0	Active	E	$	4,229.20	1998	POST
DW Power Supply Item	U:DW:D-R4101:CS-PS	Power Supply	Reservoir 4101 -Converys Lane (Wollongbar)	Control Systems	Power Supply	0	0	Active	E	$	-	1998	POST
DW Control System Item	U:DW:D-R4101:CS-RAD	Telemetry Remote Radio -S031	Reservoir 4101 -Converys Lane (Wollongbar)	Control Systems	Telemetry Remote Radio -S031	0	0	Active	E	$	3,066.17	2021	POST
DW Switching Gear Item	U:DW:D-R4101:CS-SB	Electrical Switch Board	Reservoir 4101 -Converys Lane (Wollongbar)	Control Systems	Electrical Switch Board	0	0	Active	E	$	36,265.39	1998	POST
DW Monitoring Item	U:DW:D-R4101:CS-TA	Telemetry Aerial	Reservoir 4101 -Converys Lane (Wollongbar)	Control Systems	Telemetry Aerial	0	0	Active	E	$	1,691.68	2008	POST
DW Facility Item	U:DW:D-R4101:CS-TP	Telemetry Pole	Reservoir 4101 -Converys Lane (Wollongbar)	Control Systems	Telemetry Pole	0	0	Active	E	$	105.73	2008	POST
DW Power Supply Item	U:DW:D-R4101:PS-PS	Power Supply	Reservoir 4101 -Converys Lane (Wollongbar)	Power Supply	Power Supply	0	0	Active	E	$	-	1998	POST
DW Facility Item	U:DW:D-R4101:TK-FA	Roof -fascia	Reservoir 4101 -Converys Lane (Wollongbar)	Converys Lane Tank	Roof -fascia	0	0	Active	E	$	40,071.67	2003	POST
DW Monitoring Item	U:DW:D-R4101:TK-FS	Float System	Reservoir 4101 -Converys Lane (Wollongbar)	Converys Lane Tank	Float System	0	0	Active	E	$	4,229.20	2003	POST
DW Facility Item	U:DW:D-R4101:TK-LA	Ladder Access Cabinet	Reservoir 4101 -Converys Lane (Wollongbar)	Converys Lane Tank	Ladder Access Cabinet	0	0	Active	E	$	5,075.04	2003	POST
DW Access Item	U:DW:D-R4101:TK-LD1	Ladder	Reservoir 4101 -Converys Lane (Wollongbar)	Converys Lane Tank	Ladder	0	0	Active	E	$	42,292.00	2010	POST
DW Monitoring Item	U:DW:D-R4101:TK-LI	Level Indicator	Reservoir 4101 -Converys Lane (Wollongbar)	Converys Lane Tank	Level Indicator	0	0	Active	E	$	8,458.40	2008	POST
DW Facility Item	U:DW:D-R4101:TK-MC	Map cabinet	Reservoir 4101 -Converys Lane (Wollongbar)	Converys Lane Tank	Map cabinet	0	0	Active	E	$	1,268.76	2008	POST
DW Storage Structure Item	U:DW:D-R4101:TK-RF	Roof -steel	Reservoir 4101 -Converys Lane (Wollongbar)	Converys Lane Tank	Roof -steel	0	0	Active	E	$	828,711.74	2003	POST
DW Monitoring Item	U:DW:D-R4101:TK-ST1	Sample Tap	Reservoir 4101 -Converys Lane (Wollongbar)	Converys Lane Tank	Sample Tap	0	0	Active	E	$	-	2003	POST
DW Monitoring Item	U:DW:D-R4101:VP-FM	Flowmeter	Reservoir 4101 -Converys Lane (Wollongbar)	Valve Pit	Flowmeter	0	0	Active	E	$	1,691.68	2003	POST
DW Facility Item	U:DW:D-R4101:VP-LD	Ladder -small	Reservoir 4101 -Converys Lane (Wollongbar)	Valve Pit	Ladder -small	0	0	Active	E	$	-	2008	POST
DW Power Supply Item	U:DW:D-R4102:CS-PS	Power Supply	Reservoir 4102 -Russelton Drive (Wollongbar)	Control Systems	Power Supply	0	0	Active	E	$	-	1998	POST
DW Control System Item	U:DW:D-R4102:CS-RAD	Telemetry Remote Radio -S030	Reservoir 4102 -Russelton Drive (Wollongbar)	Control Systems	Telemetry Remote Radio -S030	0	0	Active	E	$	4,123.47	2021	POST
DW Control System Item	U:DW:D-R4102:CS-RTU	Telemetry RTU -S030	Reservoir 4102 -Russelton Drive (Wollongbar)	Control Systems	Telemetry RTU -S030	0	0	Active	E	$	1,163.03	2003	POST
DW Monitoring Item	U:DW:D-R4102:CS-TA	Telemetry Aerial	Reservoir 4102 -Russelton Drive (Wollongbar)	Control Systems	Telemetry Aerial	0	0	Active	E	$	1,797.41	2008	POST
DW Switching Gear Item	U:DW:D-R4102:CS-TBE	Telemetry Board -external	Reservoir 4102 -Russelton Drive (Wollongbar)	Control Systems	Telemetry Board -external	0	0	Active	E	$	10,255.81	2003	POST
DW Facility Item	U:DW:D-R4102:CS-TCE	Telemetry Cabinet -external	Reservoir 4102 -Russelton Drive (Wollongbar)	Control Systems	Telemetry Cabinet -external	0	0	Active	E	$	1,374.49	2003	POST
DW Facility Item	U:DW:D-R4102:CS-TP	Telemetry Pole	Reservoir 4102 -Russelton Drive (Wollongbar)	Control Systems	Telemetry Pole	0	0	Active	E	$	211.46	2008	POST
DW Power Supply Item	U:DW:D-R4102:PS-PS	Power Supply	Reservoir 4102 -Russelton Drive (Wollongbar)	Power Supply	Power Supply	0	0	Active	E	$	-	1998	POST
DW Facility Item	U:DW:D-R4102:TK-FA	Roof -fascia	Reservoir 4102 -Russelton Drive (Wollongbar)	Russelton Tank	Roof -fascia	0	0	Active	E	$	46,838.39	2013	POST
DW Monitoring Item	U:DW:D-R4102:TK-LI	Level Indicator	Reservoir 4102 -Russelton Drive (Wollongbar)	Russelton Tank	Level Indicator	0	0	Active	E	$	8,564.13	1998	POST
DW Facility Item	U:DW:D-R4102:TK-MC	Map cabinet	Reservoir 4102 -Russelton Drive (Wollongbar)	Russelton Tank	Map cabinet	0	0	Active	E	$	1,374.49	2008	POST
DW Storage Structure Item	U:DW:D-R4102:TK-RF	Roof -steel	Reservoir 4102 -Russelton Drive (Wollongbar)	Russelton Tank	Roof -steel	0	0	Active	E	$	436,876.36	1998	POST
DW Monitoring Item	U:DW:D-R4102:TK-ST1	Sample Tap	Reservoir 4102 -Russelton Drive (Wollongbar)	Russelton Tank	Sample Tap	0	0	Active	E	$	-	2003	POST
DW Monitoring Item	U:DW:D-R4102:VP-FM	Flowmeter	Reservoir 4102 -Russelton Drive (Wollongbar)	Valve Pit	Flowmeter	0	0	Active	E	$	1,797.41	2003	POST
DW Power Supply Item	U:DW:D-R5005:CS-PS	Power Supply	Reservoir 5005 -Wardell Balance (Wardell)	Control Systems	Power Supply	0	0	Active	A	$	-	1998	POST
DW Control System Item	U:DW:D-R5005:CS-RAD	Telemetry Remote Radio -S036	Reservoir 5005 -Wardell Balance (Wardell)	Control Systems	Telemetry Remote Radio -S036	0	0	Active	A	$	3,066.17	2021	POST
DW Monitoring Item	U:DW:D-R5005:CS-TA	Telemetry Aerial	Reservoir 5005 -Wardell Balance (Wardell)	Control Systems	Telemetry Aerial	0	0	Active	A	$	1,268.76	2003	POST
DW Facility Item	U:DW:D-R5005:CS-TP	Telemetry Pole	Reservoir 5005 -Wardell Balance (Wardell)	Control Systems	Telemetry Pole	0	0	Active	A	$	105.73	2003	POST
DW Power Supply Item	U:DW:D-R5005:PS-PS	Power Supply	Reservoir 5005 -Wardell Balance (Wardell)	Power Supply	Power Supply	0	0	Active	A	$	-	1998	POST
DW Access Item	U:DW:D-R5005:TK-LD1	Ladder	Reservoir 5005 -Wardell Balance (Wardell)	Wardell Balance Tank	Ladder	0	0	Active	A	$	951.57	2003	POST
DW Facility Item	U:DW:D-R5005:TK-MC	Map cabinet	Reservoir 5005 -Wardell Balance (Wardell)	Wardell Balance Tank	Map cabinet	0	0	Active	A	$	634.38	2008	POST
DW Monitoring Item	U:DW:D-R5005:TK-ST1	Sample Tap	Reservoir 5005 -Wardell Balance (Wardell)	Wardell Balance Tank	Sample Tap	0	0	Active	A	$	-	2003	POST
DW Facility Item	U:DW:D-R5006:CS-EC	Electrical Cabinet	Reservoir 5006 -Wardell Road (Wardell)	Control Systems	Electrical Cabinet	0	0	Active	A	$	951.57	2003	POST

DW Power Supply Item	U:DW:D-R5006:CS-PS	Power Supply	Reservoir 5006 -Wardell Road (Wardell)	Control Systems	Power Supply	0	0	Active	A	$ -	2003	POST
DW Control System Item	U:DW:D-R5006:CS-RAD	Telemetry Remote Radio -S035	Reservoir 5006 -Wardell Road (Wardell)	Control Systems	Telemetry Remote Radio -S035	0	0	Active	A	$ 3,066.17	2021	POST
DW Control System Item	U:DW:D-R5006:CS-RTU	Telemetry RTU -S035	Reservoir 5006 -Wardell Road (Wardell)	Control Systems	Telemetry RTU -S035	0	0	Active	A	$ 845.84	2003	POST
DW Monitoring Item	U:DW:D-R5006:CS-TA	Telemetry Aerial	Reservoir 5006 -Wardell Road (Wardell)	Control Systems	Telemetry Aerial	0	0	Active	A	$ 1,268.76	2008	POST
DW Switching Gear Item	U:DW:D-R5006:CS-TBE	Telemetry Board -external	Reservoir 5006 -Wardell Road (Wardell)	Control Systems	Telemetry Board -external	0	0	Active	A	$ 7,401.10	2003	POST
DW Facility Item	U:DW:D-R5006:CS-TCE	Telemetry Cabinet -external	Reservoir 5006 -Wardell Road (Wardell)	Control Systems	Telemetry Cabinet -external	0	0	Active	A	$ 951.57	2003	POST
DW Facility Item	U:DW:D-R5006:CS-TP	Telemetry Pole	Reservoir 5006 -Wardell Road (Wardell)	Control Systems	Telemetry Pole	0	0	Active	A	$ 211.46	2008	POST
DW Facility Item	U:DW:D-R5006:TK-FA	Roof -fascia	Reservoir 5006 -Wardell Road (Wardell)	Wardell Road Tank	Roof -fascia	0	0	Active	A	$ 13,321.98	2003	POST
DW Facility Item	U:DW:D-R5006:TK-LA	Ladder Access Cabinet	Reservoir 5006 -Wardell Road (Wardell)	Wardell Road Tank	Ladder Access Cabinet	0	0	Active	A	$ 3,700.55	1998	POST
DW Access Item	U:DW:D-R5006:TK-LD1	Ladder	Reservoir 5006 -Wardell Road (Wardell)	Wardell Road Tank	Ladder	0	0	Active	A	$ 30,767.43	1998	POST
DW Monitoring Item	U:DW:D-R5006:TK-LI	Level Indicator	Reservoir 5006 -Wardell Road (Wardell)	Wardell Road Tank	Level Indicator	0	0	Active	A	$ 9,304.24	2003	POST
DW Facility Item	U:DW:D-R5006:TK-MC	Map cabinet	Reservoir 5006 -Wardell Road (Wardell)	Wardell Road Tank	Map cabinet	0	0	Active	A	$ 951.57	2008	POST
DW Storage Structure Item	U:DW:D-R5006:TK-RF	Roof -steel	Reservoir 5006 -Wardell Road (Wardell)	Wardell Road Tank	Roof -steel	0	0	Active	A	$ 116,303.00	2013	POST
DW Monitoring Item	U:DW:D-R5006:TK-ST1	Sample Tap	Reservoir 5006 -Wardell Road (Wardell)	Wardell Road Tank	Sample Tap	0	0	Active	A	$ -	2003	POST
DW Monitoring Item	U:DW:D-R5006:VP-FM	Flowmeter	Reservoir 5006 -Wardell Road (Wardell)	Valve Pit	Flowmeter	0	0	Active	A	$ 1,268.76	2003	POST
DW Facility Item	U:DW:D-R5006:VP-LD	Ladder -small	Reservoir 5006 -Wardell Road (Wardell)	Valve Pit	Ladder -small	0	0	Active	A	$ -	2013	POST
DW Pipe Item	U:DW:D-RETIC-RETIC-00077	WM: RETIC-40-P0077	Reticulation System	Water Zone 40	to be allocated 40	Water Main	0	Active	E	$ 76,942.37	2021	POST
DW Pipe Item	U:DW:D-RETIC-RETIC-00078	WM: RETIC-40-P0078	Reticulation System	Water Zone 40	to be allocated 40	Water Main	0	Active	E	$ 40,421.34	2021	POST
DW Pipe Item	U:DW:D-RETIC-RETIC-00231	WM: RETIC-40-P0231	Reticulation System	Water Zone 40	to be allocated 40	Water Main	0	Active	E	$ 71,978.35	2021	POST
DW Pipe Item	U:DW:D-RETIC-RETIC-00232	WM: RETIC-40-P0232	Reticulation System	Water Zone 40	to be allocated 40	Water Main	0	Active	E	$ 69,850.91	2021	POST
DW Pipe Item	U:DW:D-RETIC-RETIC-00554	WM: RETIC-40-P0554	Reticulation System	Water Zone 40	to be allocated 40	Water Main	0	Active	E	$ 37,939.33	2021	POST
DW Pipe Item	U:DW:D-RETIC-RETIC-00555	WM: RETIC-40-P0555	Reticulation System	Water Zone 40	to be allocated 40	Water Main	0	Active	E	$ 23,756.40	2021	POST
DW Pipe Item	U:DW:D-RETIC-RETIC-00607	WM: RETIC-40-P0607	Reticulation System	Water Zone 40	to be allocated 40	Water Main	0	Active	E	$ 78,006.09	2021	POST
DW Pipe Item	U:DW:D-RETIC-RETIC-00608	WM: RETIC-40-P0608	Reticulation System	Water Zone 40	to be allocated 40	Water Main	0	Active	E	$ 37,230.18	2021	POST
DW Pipe Item	U:DW:D-RETIC-RETIC-00609	WM: RETIC-40-P0609	Reticulation System	Water Zone 40	to be allocated 40	Water Main	0	Active	E	$ 32,620.73	2021	POST
DW Pipe Item	U:DW:D-RETIC-RETIC-01130	WM: RETIC-40-P1130	Reticulation System	Water Zone 40	to be allocated 40	Water Main	0	Active	E	$ 45,699.17	2021	POST
DW Pipe Item	U:DW:D-RETIC-RETIC-01131	WM: RETIC-40-P1131	Reticulation System	Water Zone 40	to be allocated 40	Water Main	0	Active	E	$ 8,339.26	2021	POST
DW Pipe Item	U:DW:D-RETIC-RETIC-01132	WM: RETIC-40-P1132	Reticulation System	Water Zone 40	to be allocated 40	Water Main	0	Active	E	$ 11,674.97	2021	POST
DW Pipe Item	U:DW:D-RETIC-RETIC-01968	WM: RETIC-40-P1968	Reticulation System	Water Zone 40	to be allocated 40	Water Main	0	Active	E	$ 39,712.19	2021	POST
DW Pipe Item	U:DW:D-RETIC-RETIC-01969	WM: RETIC-40-P1969	Reticulation System	Water Zone 40	to be allocated 40	Water Main	0	Active	E	$ 42,548.78	2021	POST
DW Pipe Item	U:DW:D-RETIC-RETIC-01970	WM: RETIC-40-P1970	Reticulation System	Water Zone 40	to be allocated 40	Water Main	0	Active	E	$ 78,715.23	2021	POST
DW Pipe Item	U:DW:D-RETIC-RETIC-01971	WM: RETIC-40-P1971	Reticulation System	Water Zone 40	to be allocated 40	Water Main	0	Active	E	$ 20,210.66	2021	POST
DW Pipe Item	U:DW:D-RETIC-RETIC-03144	WM:RETIC-31-P03144 (Carroll Avenue)	Reticulation System	Water Zone 31	Water Sub-Zone 3103	Water Main	0	Active	B	$ 182,223.27	2021	POST
DW Pipe Item	U:DW:D-RETIC-RETIC-03153	WM:RETIC-24-P03153 (Ballina Heights [	Reticulation System	Water Zone 24	Water Sub-Zone 2401	Water Main	0	Active	F	$ 115,015.87	2021	POST
DW Pipe Item	U:DW:D-RETIC-RETIC-03179SC	WM:RETIC-22-P03277 (Southern Cross I	Reticulation System	Water Zone 22	Water Sub-Zone 2201	Water Main	0	Active	B	$ 50,727.80	2022	POST
DW Pipe Item	U:DW:D-RETIC-RETIC-03180AB	WM:RETIC-22-P03278 (Airport Bouleva	Reticulation System	Water Zone 22	Water Sub-Zone 2201	Water Main	0	Active	B	$ 435,524.10	2022	POST
DW Pipe Item	U:DW:D-RETIC-RETIC-03181BA	WM:RETIC-22-P03279 (Boeing Avenue)	Reticulation System	Water Zone 22	Water Sub-Zone 2201	Water Main	0	Active	B	$ 26,856.81	2022	POST
DW Pipe Item	U:DW:D-RETIC-RETIC-03215	WM:RETIC-31-P03215 (Swell Avenue)	Reticulation System	Water Zone 31	Water Sub-Zone 3103	Water Main	0	Active	B	$ 58,706.00	2022	POST
DW Pipe Item	U:DW:D-RETIC-RETIC-02473	WM: RETIC-22-P02473	Reticulation System	Water Zone 22	Water Sub-Zone 2201	Water Rising Main	150	Active	B	$ 8,245.67	2017	POST
DW Pipe Item	U:DW:D-RETIC-RETIC-02474	WM: RETIC-22-P02474	Reticulation System	Water Zone 22	Water Sub-Zone 2201	Water Rising Main	100	Active	B	$ 730.81	2017	POST
DW Pipe Item	U:DW:D-RETIC-RETIC-02475	WM: RETIC-22-P02475	Reticulation System	Water Zone 22	Water Sub-Zone 2201	Water Rising Main	100	Active	B	$ 4,926.17	2017	POST
DW Pipe Item	U:DW:D-RETIC-RETIC-02476	WM: RETIC-22-P02476	Reticulation System	Water Zone 22	Water Sub-Zone 2201	Water Rising Main	100	Active	B	$ 4,628.44	2017	POST
DW Pipe Item	U:DW:D-RETIC-RETIC-02477	WM: RETIC-22-P02477	Reticulation System	Water Zone 22	Water Sub-Zone 2201	Water Rising Main	100	Active	B	$ 2,356.17	2017	POST
DW Pipe Item	U:DW:D-RETIC-RETIC-02478	WM: RETIC-22-P02478	Reticulation System	Water Zone 22	Water Sub-Zone 2201	Water Rising Main	100	Active	B	$ 3,775.83	2017	POST
DW Pipe Item	U:DW:D-RETIC-RETIC-02479	WM: RETIC-22-P02479	Reticulation System	Water Zone 22	Water Sub-Zone 2201	Water Rising Main	100	Active	B	$ 1,461.61	2017	POST
DW Pipe Item	U:DW:D-RETIC-RETIC-02480	WM: RETIC-22-P02480	Reticulation System	Water Zone 22	Water Sub-Zone 2201	Water Rising Main	100	Active	B	$ 1,854.08	2017	POST
DW Pipe Item	U:DW:D-RETIC-RETIC-02481	WM: RETIC-22-P02481	Reticulation System	Water Zone 22	Water Sub-Zone 2201	Water Rising Main	100	Active	B	$ 1,583.41	2017	POST
DW Pipe Item	U:DW:D-RETIC-RETIC-02482	WM: RETIC-22-P02482	Reticulation System	Water Zone 22	Water Sub-Zone 2201	Water Rising Main	100	Active	B	$ 1,502.22	2017	POST
DW Pipe Item	U:DW:D-RETIC-RETIC-02483	WM: RETIC-22-P02483	Reticulation System	Water Zone 22	Water Sub-Zone 2201	Water Rising Main	100	Active	B	$ 1,488.67	2017	POST
DW Pipe Item	U:DW:D-RETIC-RETIC-03259	WM:RETIC-22-P03259 (Cargelligo Cresc	Reticulation System	Water Zone 22	Water Sub-Zone 2201	Water Rising Main	0	Active	B	$ 85,301.00	2022	POST
DW Pipe Item	U:DW:D-RETIC-RETIC-03260	WM:RETIC-22-P03260 (Cargelligo Cresc	Reticulation System	Water Zone 22	Water Sub-Zone 2201	Water Rising Main	0	Active	B	$ 2,560.14	2022	POST
DW Pipe Item	U:DW:D-RETIC-RETIC-03261	WM:RETIC-22-P03261 (Cargelligo Cresc	Reticulation System	Water Zone 22	Water Sub-Zone 2201	Water Rising Main	0	Active	B	$ 5,544.00	2022	POST
DW Pipe Item	U:DW:D-RETIC-RMAIN-01926	WRM: RETIC-50-P1926	Reticulation System	Water Zone 50	Water Sub-Zone 5001	Water Rising Main	200	Active	A	$ 8,411.88	2020	POST
DW Pipe Item	U:DW:D-RETIC-RMAIN-02012	WRM: RETIC-30-P2012	Reticulation System	Water Zone 30	to be allocated 30	Water Rising Main	100	Active	B	$ 37,622.96	2007	POST
DW Pipe Item	U:DW:D-RETIC-RMAIN-02014	WRM: RETIC-30-P2014	Reticulation System	Water Zone 30	to be allocated 30	Water Rising Main	100	Active	B	$ 14,843.43	2007	POST
DW Pipe Item	U:DW:D-RETIC-RMAIN-02016	WRM: RETIC-30-P2016	Reticulation System	Water Zone 30	to be allocated 30	Water Rising Main	100	Active	B	$ 16,607.02	2007	POST
DW Pipe Item	U:DW:D-RETIC-RMAIN-02018	WRM: RETIC-30-P2018	Reticulation System	Water Zone 30	to be allocated 30	Water Rising Main	100	Active	B	$ 18,076.66	2007	POST
DW Pipe Item	U:DW:D-RETIC-RMAIN-02054	WRM: RETIC-24-P2054	Reticulation System	Water Zone 24	to be allocated 24	Water Rising Main	100	Active	F	$ 43,433.89	2006	POST
DW Pipe Item	U:DW:D-RETIC-RMAIN-02065	WRM: RETIC-23-P2065	Reticulation System	Water Zone 23	to be allocated 23	Water Rising Main	200	Active	B	$ 139,495.93	2011	POST
DW Pipe Item	U:DW:D-RETIC-RMAIN-02341	WRM: RETIC-41-P2341	Reticulation System	Water Zone 41	Water Sub-Zone 4103	Water Rising Main	100	Active	E	$ 1,987.94	2014	POST
DW Pipe Item	U:DW:D-RETIC-RMAIN-02342	WRM: RETIC-41-P2342	Reticulation System	Water Zone 41	Water Sub-Zone 4103	Water Rising Main	100	Active	E	$ 1,987.94	2014	POST
DW Pipe Item	U:DW:D-RETIC-RMAIN-02343	WRM: RETIC-41-P2343	Reticulation System	Water Zone 41	Water Sub-Zone 4103	Water Rising Main	100	Active	E	$ 1,954.52	2014	POST
DW Pipe Item	U:DW:D-RETIC-RMAIN-02381	WRM: RETIC-41-P2381	Reticulation System	Water Zone 41	Water Sub-Zone 4103	Water Rising Main	100	Active	E	$ 5,562.87	2014	POST
DW Pipe Item	U:DW:D-RETIC-RMAIN-02382	WRM: RETIC-41-P2382	Reticulation System	Water Zone 41	Water Sub-Zone 4103	Water Rising Main	100	Active	E	$ 9,070.99	2014	POST
DW Pipe Item	U:DW:D-RETIC-RMAIN-02383	WRM: RETIC-41-P2383	Reticulation System	Water Zone 41	Water Sub-Zone 4103	Water Rising Main	100	Active	E	$ 4,193.04	2014	POST
DW Pipe Item	U:DW:D-RETIC-RMAIN-02384	WRM: RETIC-41-P2384	Reticulation System	Water Zone 41	Water Sub-Zone 4103	Water Rising Main	100	Active	E	$ 30,219.96	2014	POST
DW Pipe Item	U:DW:D-RETIC-RMAIN-03139	WRM: RETIC-23-P3139	Reticulation System	Water Zone 23	to be allocated 23	Water Rising Main	200	Active	B	$ 32,644.13	2020	POST
DW Pipe Item	U:DW:D-RETIC-RETIC-02704	WM: RETIC-22-P00001 (Elkhorn Parade	Reticulation System	Water Zone 22	Water Sub-Zone 2201	Water Main	200	Active	B	$ 43,744.73	2018	POST
DW Pipe Item	U:DW:D-RETIC-RETIC-02711	WM: RETIC-31-P02711 (Montwood Driv	Reticulation System	Water Zone 31	Water Sub-Zone 3104	Water Main	200	Active	B	$ 4,084.78	2018	POST
DW Pipe Item	U:DW:D-RETIC-RETIC-02716	WM: RETIC-31-P02716 (Montwood Driv	Reticulation System	Water Zone 31	Water Sub-Zone 3104	Water Main	200	Active	B	$ 4,055.81	2018	POST
DW Pipe Item	U:DW:D-RETIC-RETIC-02718	WM: RETIC-31-P02718 (Montwood Driv	Reticulation System	Water Zone 31	Water Sub-Zone 3104	Water Main	200	Active	B	$ 48,017.82	2018	POST
DW Pipe Item	U:DW:D-RETIC-RETIC-02720	WM: RETIC-31-P02720 (Montwood Driv	Reticulation System	Water Zone 31	Water Sub-Zone 3104	Water Main	200	Active	B	$ 17,295.10	2018	POST
DW Pipe Item	U:DW:D-RETIC-RETIC-02721	WM: RETIC-31-P02721 (Montwood Driv	Reticulation System	Water Zone 31	Water Sub-Zone 3104	Water Main	200	Active	B	$ 5,562.24	2018	POST
DW Pipe Item	U:DW:D-RETIC-RETIC-02722	WM: RETIC-31-P02722 (Montwood Driv	Reticulation System	Water Zone 31	Water Sub-Zone 3104	Water Main	200	Active	B	$ 12,022.56	2018	POST
DW Pipe Item	U:DW:D-RETIC-RETIC-02723	WM: RETIC-31-P02723 (Montwood Driv	Reticulation System	Water Zone 31	Water Sub-Zone 3104	Water Main	200	Active	B	$ 6,257.52	2018	POST

DW Pipe Item	U:DW:D-RETIC-RETIC-02724	WM: RETIC-31-P02724 (Montwood Driv	Reticulation System	Water Zone 31	Water Sub-Zone 3104	Water Main	200	Active	B	$	3,273.61	2018	POST
DW Pipe Item	U:DW:D-RETIC-RETIC-02739	WM: RETIC-31-P02739 (Snapper Drive)	Reticulation System	Water Zone 31	Water Sub-Zone 3104	Water Main	200	Active	B	$	16,730.20	2018	POST
DW Pipe Item	U:DW:D-RETIC-RETIC-02740	WM: RETIC-31-P02740 (Snapper Drive)	Reticulation System	Water Zone 31	Water Sub-Zone 3104	Water Main	200	Active	B	$	5,512.99	2018	POST
DW Pipe Item	U:DW:D-RETIC-RETIC-02749	WM: RETIC-31-P02749 (Snapper Drive)	Reticulation System	Water Zone 31	Water Sub-Zone 3104	Water Main	200	Active	B	$	825.66	2018	POST
DW Pipe Item	U:DW:D-RETIC-RETIC-02758	WM: RETIC-31-P02758 (Hutley Drive)	Reticulation System	Water Zone 31	Water Sub-Zone 3104	Water Main	200	Active	B	$	17,787.59	2018	POST
DW Pipe Item	U:DW:D-RETIC-RETIC-02759	WM: RETIC-31-P02759 (Hutley Drive)	Reticulation System	Water Zone 31	Water Sub-Zone 3104	Water Main	200	Active	B	$	22,263.47	2018	POST
DW Pipe Item	U:DW:D-RETIC-RETIC-02766	WM: RETIC-31-P02766 (Hutley Drive)	Reticulation System	Water Zone 31	Water Sub-Zone 3104	Water Main	200	Active	B	$	3,212.77	2018	POST
DW Pipe Item	U:DW:D-RETIC-RETIC-02782	WM: RETIC-31-P02782 (Hutley Drive)	Reticulation System	Water Zone 31	Water Sub-Zone 3104	Water Main	200	Active	B	$	10,805.82	2018	POST
DW Pipe Item	U:DW:D-RETIC-RETIC-02785	WM: RETIC-31-P02785 (Hutley Drive)	Reticulation System	Water Zone 31	Water Sub-Zone 3104	Water Main	200	Active	B	$	6,576.19	2018	POST
DW Pipe Item	U:DW:D-RETIC-RETIC-02789	WM: RETIC-31-P02789 (Hutley Drive)	Reticulation System	Water Zone 31	Water Sub-Zone 3104	Water Main	200	Active	B	$	7,416.32	2018	POST
DW Pipe Item	U:DW:D-RETIC-RETIC-02790	WM: RETIC-31-P02790 (Hutley Drive)	Reticulation System	Water Zone 31	Water Sub-Zone 3104	Water Main	200	Active	B	$	405.58	2018	POST
DW Pipe Item	U:DW:D-RETIC-RETIC-02977	WM:RETIC-31-P02977 (Snapper Drive)	Reticulation System	Water Zone 31	Water Sub-Zone 3104	Water Main	200	Active	B	$	11,819.77	2019	POST
DW Pipe Item	U:DW:D-RETIC-RETIC-02978	WM:RETIC-31-P02978 (Snapper Drive)	Reticulation System	Water Zone 31	Water Sub-Zone 3104	Water Main	200	Active	B	$	8,343.37	2019	POST
DW Pipe Item	U:DW:D-RETIC-RETIC-02979	WM:RETIC-31-P02979 (Stoneyhurst Dri	Reticulation System	Water Zone 31	Water Sub-Zone 3104	Water Main	200	Active	B	$	17,613.77	2019	POST
DW Pipe Item	U:DW:D-RETIC-RETIC-02999	WM:RETIC-31-P02999 (Stoneyhurst Dri	Reticulation System	Water Zone 31	Water Sub-Zone 3104	Water Main	200	Active	B	$	53,478.66	2019	POST
DW Pipe Item	U:DW:D-RETIC-RETIC-03000	WM:RETIC-31-P03000 (Stoneyhurst Dri	Reticulation System	Water Zone 31	Water Sub-Zone 3104	Water Main	200	Active	B	$	25,192.33	2019	POST
DW Pipe Item	U:DW:D-RETIC-RETIC-03018	WM:RETIC-31-P03018 (Fox Valley Way)	Reticulation System	Water Zone 31	Water Sub-Zone 3104	Water Main	200	Active	B	$	49,249.03	2019	POST
DW Pipe Item	U:DW:D-RETIC-RETIC-03019	WM:RETIC-31-P03019 (Lakeside Way)	Reticulation System	Water Zone 31	Water Sub-Zone 3104	Water Main	200	Active	B	$	26,073.02	2019	POST
DW Pipe Item	U:DW:D-RETIC-RETIC-03020	WM:RETIC-31-P03020 (Montwood Driv	Reticulation System	Water Zone 31	Water Sub-Zone 3104	Water Main	200	Active	B	$	318,670.22	2019	POST
DW Pipe Item	U:DW:D-RETIC-RETIC-03033	WM:RETIC-22-P03033 (North Creek Roa	Reticulation System	Water Zone 22	Water Sub-Zone 2201	Water Main	200	Active	B	$	16,268.33	2020	POST
DW Pipe Item	U:DW:D-RETIC-RETIC-03034	WM:RETIC-22-P03034 (North Creek Roa	Reticulation System	Water Zone 22	Water Sub-Zone 2201	Water Main	200	Active	B	$	15,581.61	2020	POST
DW Pipe Item	U:DW:D-RETIC-RETIC-03035	WM:RETIC-22-P03035 (North Creek Roa	Reticulation System	Water Zone 22	Water Sub-Zone 2201	Water Main	200	Active	B	$	945.26	2020	POST
DW Pipe Item	U:DW:D-RETIC-RETIC-02079	WM: RETIC-22-P2079	Reticulation System	Water Zone 22	Water Sub-Zone 2201	Water Main	200	Active	B	$	59,678.24	2011	POST
DW Pipe Item	U:DW:D-RETIC-RETIC-03066G	WM: RETIC-50-P03066 (Gubbay Lane)	Reticulation System	Water Zone 50	Water Sub-Zone 5001	Water Main	200	Active	A	$	12,746.81	2020	POST
DW Pipe Item	U:DW:D-RETIC-RETIC-03068G	WM: RETIC-50-P03068 (Gubbay Lane)	Reticulation System	Water Zone 50	Water Sub-Zone 5001	Water Main	200	Active	A	$	65,182.54	2020	POST
DW Pipe Item	U:DW:D-RETIC-RETIC-03129	WM:RETIC-31-P03129 (Snapper Drive)	Reticulation System	Water Zone 31	Water Sub-Zone 3104	Water Main	200	Active	B	$	26,362.72	2021	POST
DW Pipe Item	U:DW:D-RETIC-RETIC-03137	WM:RETIC-31-P03137 (Henderson Lane	Reticulation System	Water Zone 31	Water Sub-Zone 3104	Water Main	200	Active	B	$	58,003.77	2021	POST
DW Pipe Item	U:DW:D-RETIC-RETIC-03138	WM:RETIC-31-P03138 (Stoneyhurst Dri	Reticulation System	Water Zone 31	Water Sub-Zone 3104	Water Main	200	Active	B	$	62,024.82	2021	POST
DW Pipe Item	U:DW:D-RETIC-RETIC-03067G	WM: RETIC-50-P03067 (Gubbay Lane)	Reticulation System	Water Zone 50	Water Sub-Zone 5001	Water Main	225	Active	A	$	29,012.31	2020	POST
DW Pipe Item	U:DW:D-RETIC-RETIC-02728	WM: RETIC-31-P02728 (Montwood Driv	Reticulation System	Water Zone 31	Water Sub-Zone 3104	Water Main	250	Active	B	$	11,900.97	2018	POST
DW Pipe Item	U:DW:D-RETIC-RETIC-02730	WM: RETIC-31-P02730 (Caloola Road)	Reticulation System	Water Zone 31	Water Sub-Zone 3104	Water Main	250	Active	B	$	4,493.95	2018	POST
DW Pipe Item	U:DW:D-RETIC-RETIC-02732	WM: RETIC-31-P02732 (Caloola Road)	Reticulation System	Water Zone 31	Water Sub-Zone 3104	Water Main	250	Active	B	$	3,197.28	2018	POST
DW Pipe Item	U:DW:D-RETIC-RETIC-02738	WM: RETIC-31-P02738 (Snapper Drive)	Reticulation System	Water Zone 31	Water Sub-Zone 3104	Water Main	250	Active	B	$	5,006.10	2018	POST
DW Pipe Item	U:DW:D-RETIC-RETIC-02744	WM: RETIC-31-P02744 (Snapper Drive)	Reticulation System	Water Zone 31	Water Sub-Zone 3104	Water Main	250	Active	B	$	25,578.20	2018	POST
DW Pipe Item	U:DW:D-RETIC-RETIC-02746	WM: RETIC-31-P02746 (Snapper Drive)	Reticulation System	Water Zone 31	Water Sub-Zone 3104	Water Main	250	Active	B	$	17,407.39	2018	POST
DW Pipe Item	U:DW:D-RETIC-RETIC-02748	WM: RETIC-31-P02748 (Snapper Drive)	Reticulation System	Water Zone 31	Water Sub-Zone 3104	Water Main	250	Active	B	$	6,660.99	2018	POST
DW Pipe Item	U:DW:D-RETIC-RETIC-02755	WM: RETIC-31-P02755 (Hutley Drive)	Reticulation System	Water Zone 31	Water Sub-Zone 3104	Water Main	250	Active	B	$	1,687.45	2018	POST
DW Pipe Item	U:DW:D-RETIC-RETIC-02757	WM: RETIC-31-P02757 (Hutley Drive)	Reticulation System	Water Zone 31	Water Sub-Zone 3104	Water Main	250	Active	B	$	2,013.10	2018	POST
DW Pipe Item	U:DW:D-RETIC-RETIC-02761	WM: RETIC-31-P02761 (Hutley Drive)	Reticulation System	Water Zone 31	Water Sub-Zone 3104	Water Main	250	Active	B	$	5,491.61	2018	POST
DW Pipe Item	U:DW:D-RETIC-RETIC-02765	WM: RETIC-31-P02765 (Hutley Drive)	Reticulation System	Water Zone 31	Water Sub-Zone 3104	Water Main	250	Active	B	$	17,821.85	2018	POST
DW Pipe Item	U:DW:D-RETIC-RETIC-02768	WM: RETIC-31-P02768 (Hutley Drive)	Reticulation System	Water Zone 31	Water Sub-Zone 3104	Water Main	250	Active	B	$	858.53	2018	POST
DW Pipe Item	U:DW:D-RETIC-RETIC-02771	WM: RETIC-31-P02771 (Hutley Drive)	Reticulation System	Water Zone 31	Water Sub-Zone 3104	Water Main	250	Active	B	$	4,932.09	2018	POST
DW Pipe Item	U:DW:D-RETIC-RETIC-02773	WM: RETIC-31-P02773 (Hutley Drive)	Reticulation System	Water Zone 31	Water Sub-Zone 3104	Water Main	250	Active	B	$	3,966.99	2018	POST
DW Pipe Item	U:DW:D-RETIC-RETIC-02775	WM: RETIC-31-P02775 (Road 5)	Reticulation System	Water Zone 31	Water Sub-Zone 3104	Water Main	250	Active	B	$	12,108.20	2018	POST
DW Pipe Item	U:DW:D-RETIC-RETIC-02777	WM: RETIC-31-P02777 (Road 5)	Reticulation System	Water Zone 31	Water Sub-Zone 3104	Water Main	250	Active	B	$	3,271.29	2018	POST
DW Pipe Item	U:DW:D-RETIC-RETIC-02779	WM: RETIC-31-P02779 (Road 5)	Reticulation System	Water Zone 31	Water Sub-Zone 3104	Water Main	250	Active	B	$	10,953.62	2018	POST
DW Pipe Item	U:DW:D-RETIC-RETIC-02781	WM: RETIC-31-P02781 (Hutley Drive)	Reticulation System	Water Zone 31	Water Sub-Zone 3104	Water Main	250	Active	B	$	2,723.60	2018	POST
DW Pipe Item	U:DW:D-RETIC-RETIC-02784	WM: RETIC-31-P02784 (Hutley Drive)	Reticulation System	Water Zone 31	Water Sub-Zone 3104	Water Main	250	Active	B	$	14,772.60	2018	POST
DW Pipe Item	U:DW:D-RETIC-RETIC-02793	WM: RETIC-31-P02793 (Hutley Drive)	Reticulation System	Water Zone 31	Water Sub-Zone 3104	Water Main	250	Active	B	$	5,950.48	2018	POST
DW Pipe Item	U:DW:D-RETIC-RETIC-02974	WM:RETIC-31-P02974 (Snapper Drive)	Reticulation System	Water Zone 31	Water Sub-Zone 3104	Water Main	250	Active	B	$	17,812.97	2019	POST
DW Pipe Item	U:DW:D-RETIC-RETIC-02975	WM:RETIC-31-P02975 (Snapper Drive)	Reticulation System	Water Zone 31	Water Sub-Zone 3104	Water Main	250	Active	B	$	18,932.02	2019	POST
DW Pipe Item	U:DW:D-RETIC-RETIC-02976	WM:RETIC-31-P02976 (Snapper Drive)	Reticulation System	Water Zone 31	Water Sub-Zone 3104	Water Main	250	Active	B	$	2,338.75	2019	POST
DW Pipe Item	U:DW:D-RETIC-RETIC-02726	WM: RETIC-31-P02726 (Montwood Driv	Reticulation System	Water Zone 31	Water Sub-Zone 3104	Water Main	300	Active	B	$	8,675.23	2018	POST
DW Pipe Item	U:DW:D-RETIC-RETIC-03001	WM:RETIC-31-P03001 (Stoneyhurst Dri	Reticulation System	Water Zone 31	Water Sub-Zone 3104	Water Main	300	Active	B	$	208,700.66	2019	POST
DW Pipe Item	U:DW:D-RETIC-RETIC-02082	WM: RETIC-41-P2082	Reticulation System	Water Zone 41	to be allocated 41	Water Main	300	Active	C	$	106,169.33	2012	POST
DW Pipe Item	U:DW:D-RETIC-RETIC-02084	WM: RETIC-41-P2084	Reticulation System	Water Zone 41	to be allocated 41	Water Main	300	Active	C	$	4,316.09	2012	POST
DW Pipe Item	U:DW:D-RETIC-RETIC-02085	WM: RETIC-41-P2085	Reticulation System	Water Zone 41	to be allocated 41	Water Main	300	Active	C	$	30,804.61	2012	POST
DW Pipe Item	U:DW:D-RETIC-RETIC-02087	WM: RETIC-41-P2087	Reticulation System	Water Zone 41	to be allocated 41	Water Main	300	Active	C	$	33,775.28	2012	POST
DW Pipe Item	U:DW:D-RETIC-RETIC-02089	WM: RETIC-41-P2089	Reticulation System	Water Zone 41	to be allocated 41	Water Main	300	Active	C	$	2,846.90	2012	POST
DW Pipe Item	U:DW:D-RETIC-RETIC-02090	WM: RETIC-41-P2090	Reticulation System	Water Zone 41	to be allocated 41	Water Main	300	Active	C	$	63,934.09	2012	POST
DW Pipe Item	U:DW:D-RETIC-RETIC-02092	WM: RETIC-41-P2092	Reticulation System	Water Zone 41	to be allocated 41	Water Main	300	Active	C	$	33,861.38	2012	POST
DW Pipe Item	U:DW:D-RETIC-RETIC-02094	WM: RETIC-41-P2094	Reticulation System	Water Zone 41	to be allocated 41	Water Main	300	Active	C	$	32,865.78	2012	POST
DW Pipe Item	U:DW:D-RETIC-RETIC-02096	WM: RETIC-41-P2096	Reticulation System	Water Zone 41	to be allocated 41	Water Main	300	Active	C	$	16,806.92	2012	POST
DW Pipe Item	U:DW:D-RETIC-RETIC-02098	WM: RETIC-41-P2098	Reticulation System	Water Zone 41	to be allocated 41	Water Main	300	Active	C	$	12,878.30	2012	POST
DW Pipe Item	U:DW:D-RETIC-RETIC-02099	WM: RETIC-41-P2099	Reticulation System	Water Zone 41	to be allocated 41	Water Main	300	Active	C	$	24,631.85	2012	POST
DW Pipe Item	U:DW:D-RETIC-RETIC-02100	WM: RETIC-41-P2100	Reticulation System	Water Zone 41	to be allocated 41	Water Main	300	Active	C	$	6,452.60	2012	POST
DW Pipe Item	U:DW:D-RETIC-RETIC-02101	WM: RETIC-41-P2101	Reticulation System	Water Zone 41	to be allocated 41	Water Main	300	Active	C	$	24,185.17	2012	POST
DW Pipe Item	U:DW:D-RETIC-RETIC-02102	WM: RETIC-41-P2102	Reticulation System	Water Zone 41	to be allocated 41	Water Main	300	Active	C	$	32,903.45	2012	POST
DW Pipe Item	U:DW:D-RETIC-RETIC-02104	WM: RETIC-41-P2104	Reticulation System	Water Zone 41	to be allocated 41	Water Main	300	Active	C	$	13,857.77	2012	POST
DW Pipe Item	U:DW:D-RETIC-RETIC-02105	WM: RETIC-41-P2105	Reticulation System	Water Zone 41	to be allocated 41	Water Main	300	Active	C	$	12,689.95	2012	POST
DW Pipe Item	U:DW:D-RETIC-RETIC-02107	WM: RETIC-41-P2107	Reticulation System	Water Zone 41	to be allocated 41	Water Main	300	Active	C	$	33,490.05	2012	POST
DW Pipe Item	U:DW:D-RETIC-RETIC-02109	WM: RETIC-41-P2109	Reticulation System	Water Zone 41	to be allocated 41	Water Main	300	Active	C	$	31,224.37	2012	POST
DW Pipe Item	U:DW:D-RETIC-RETIC-02111	WM: RETIC-41-P2111	Reticulation System	Water Zone 41	to be allocated 41	Water Main	300	Active	C	$	32,494.44	2012	POST
DW Pipe Item	U:DW:D-RETIC-RETIC-02113	WM: RETIC-41-P2113	Reticulation System	Water Zone 41	to be allocated 41	Water Main	300	Active	C	$	30,433.27	2012	POST
DW Pipe Item	U:DW:D-RETIC-RETIC-02115	WM: RETIC-41-P2115	Reticulation System	Water Zone 41	to be allocated 41	Water Main	300	Active	C	$	30,653.91	2012	POST

DW Pipe Item	U:DW:D-RETIC-RETIC-02116	WM: RETIC-41-P2116	Reticulation System	Water Zone 41	to be allocated 41	Water Main	300	Active	C	$	6,253.49	2012	POST
DW Pipe Item	U:DW:D-RETIC-RETIC-02117	WM: RETIC-41-P2117	Reticulation System	Water Zone 41	to be allocated 41	Water Main	300	Active	C	$	77,248.31	2012	POST
DW Pipe Item	U:DW:D-RETIC-RETIC-02123	WM: RETIC-41-P2123	Reticulation System	Water Zone 41	to be allocated 41	Water Main	300	Active	C	$	394,163.33	2012	POST
DW Pipe Item	U:DW:D-RETIC-RETIC-02940	WM:RETIC-21-P02940 (Quays Drive)	Reticulation System	Water Zone 21	Water Sub-Zone 2102	Water Main	375	Active	B	$	14,098.40	2019	POST
DW Valve Item	U:RW:D-R2402:RVP01-MBV	(Rous) Motorised Butterly Valve	Reservoir 2403 -Ballina Heights (Cumbalum)	RW Motorised Butterfly Valve Pit	(Rous) Motorised Butterly Valve	0	0	Active	E	$	-	2015	POST
DW Facility Item	U:RW:D-R2402:RVP01-PL	(Rous) Pit Lid	Reservoir 2403 -Ballina Heights (Cumbalum)	RW Motorised Butterfly Valve Pit	(Rous) Pit Lid	0	0	Active	E	$	-	2015	POST
DW Facility Item	U:RW:D-R2402:RVP01-PT	(Rous) Pit -concrete	Reservoir 2403 -Ballina Heights (Cumbalum)	RW Motorised Butterfly Valve Pit	(Rous) Pit -concrete	0	0	Active	E	$	-	2015	POST
DW Monitoring Item	U:RW:D-R2402:RVP02-MBV	(Rous) Inlet flow meter (FLM-8705)	Reservoir 2403 -Ballina Heights (Cumbalum)	RW Flow Meter Pit (Rous)	(Rous) Inlet flow meter (FLM-8705)	0	0	Active	E	$	-	2015	POST
DW Facility Item	U:RW:D-R2402:RVP02-PL	(Rous) Pit Lid	Reservoir 2403 -Ballina Heights (Cumbalum)	RW Flow Meter Pit (Rous)	(Rous) Pit Lid	0	0	Active	E	$	-	2015	POST
DW Facility Item	U:RW:D-R2402:RVP02-PT	(Rous) Pit -concrete	Reservoir 2403 -Ballina Heights (Cumbalum)	RW Flow Meter Pit (Rous)	(Rous) Pit -concrete	0	0	Active	E	$	-	2015	POST
Pipe Item	WPD40	Sneaths Rd Gravity					300	Active	C	$	538,667.34	2010	POST
Pipe Item	WPD49	Sneaths Rd Boosted					150	Active	C	$	329,313.60	2010	POST

Appendix C

Future capital works charged via Water DSP

CAPEX Water new future works

Service Area	Item Type	Description	Master Plan Item	ID	Commission Year	Cost
B	Trunk Main	Bentinck Street (Owen / Kingsford Smith)		WPD12	2024	$ 607,362.03
B	Trunk Main	Airport Boulevard (North Ck / Sthn Cross Dr)		WPD21/26	2023	$ 357,189.42
B	Trunk Main	Boeing Avenue (Stinson / Airport Bvd)		WPD20/28	2023	$ 128,236.02
B	Reservoir	Reservoir - Pacific Pines (Stoneyhurst Dr)		WR3	2023	$ 2,383,500.00
E	Pump Station	Russelton Booster - Alstonville		WBPC2	2025	$ 84,573.60
E	Pump Station	Wollongbar Booster Pumps		WBPU2	2026	$ 115,101.60
C	Pump Station	Wollongbar Booster Pumps - WUEA		WBPU2	2026	$ 115,101.60
F	Pump Station	Ballina Heights (2025)	1.1.1	WPS85 (Upsize Booster Pumpstation)	2025	$ 108,000.00
B	Trunk Main	Basalt Court Gravity (2025)	2.1.1	DN375 WPD98	2025	$ 996,000.00
B	Valve	Basalt Court Gravity (2025)	2.1.2	DN500 WND98 (PSV along North Creek Road)	2025	$ 228,000.00
B	Trunk Main	Lennox Head Gravity (2025)	5.1.1	DN100 LH9	2025	$ 84,000.00
B	Trunk Main	Lennox Head Gravity (2025)	5.2.1	DN200 WPD60	2025	$ 432,000.00
B	Trunk Main	Lennox Head Gravity (2025)	5.3.1	DN200 WPD61	2025	$ 48,000.00
B	Valve	Lennox Head Gravity (2025)	5.4.1	DN200 WND60 Boundary Valve	2025	$ 84,000.00
B	Valve	Extension of Basalt Court Pressure Zone (2025)	6.1.1	DN150 WND99 Boundary Valve	2025	$ 72,000.00
B	Trunk Main	Extension of Basalt Court Pressure Zone (2025)	6.2.1	DN150 WPD99 (North Creek Road)	2025	$ 96,000.00
B	Trunk Main	West Ballina (2025)	7.1.1	DN300 WPD30	2025	$ 1,236,000.00
B	Trunk Main	Lennox Head Reduced Pressure Zone (2025)	8.1.1	DN100 WPD94, WPD97, WPD100	2025	$ 96,000.00
B	Trunk Main	Lennox Head Reduced Pressure Zone (2025)	8.2.1	DN125 WPD96	2025	$ 120,000.00
B	Trunk Main	Lennox Head Reduced Pressure Zone (2025)	8.3.1	DN150 WPD95	2025	$ 84,000.00
B	Trunk Main	Lennox Head Reduced Pressure Zone (2025)	8.4.1	DN175 WPD93	2025	$ 36,000.00
A	Bulk Flowmeter	Wardell Reservoir Outlet Mains - Bulk Flowmeter	-	WND87	2023	$ 27,200.00
F	Bulk Flowmeter	Ballina Hts Reservoir Outlet Mains - Bulk Flowmeter	-	WND88	2023	$ 40,100.00
G	Reservoir	WR2 Ross Lane Reservoir (2027)	4.3.1	WR2 3.5 ML	2027	$ 3,444,000.00
G	Trunk Main	WR2 Kinvara (2027)	4.1.1	DN300 WPD101	2027	$ 1,392,000.00
G	Trunk Main	WR2 Kinvara (2027)	4.2.1	DN100 WPD102	2027	$ 156,000.00
G	Valve	WR2 Kinvara (2027)	4.4.1	DN375 WND25 TCV	2027	$ 144,000.00
G	Valve	WR2 Kinvara (2027)	4.5.1	DN375 WND107 FCV	2027	$ 156,000.00

CAPEX Water Renewals

Service Area	Item Type	Description	ID	Renewal Commission Year	Cost		Original Asset Commission Date
B	Trunk Main	Tamar Street (Bagot to Canal Road), Ballina	-	2023	$	488,200.00	1/1/1936
B	Trunk Main	Fox Street (Cherry / Martin), Ballina	WPD22-1	2023	$	170,981.28	1/1/1988
B	Trunk Main	Temple Street (Tamar / Tamarind Drive), Ballina	-	2026	$	809,616.00	1/1/1955
B	Trunk Main	North Creek Road / Angels Beach Drive	WPD-23	2024	$	1,025,991.89	1/1/1980
B	Trunk Main	Angels Beach Drive to Missingham, Ballina	WPD22-2	2025	$	880,669.82	1/1/1955

Appendix D

Calculation of the capital charge for each service area

A

Service Area A - Wardell

Year	Total ET (1)	New ETs per year (2)	Capital cost (2022/23$ M$) (3)	Effective commissioning date & capital cost for post 1996 development (2022/23$ M$) (4)	PV of pre-1996 works (@ 3%) (2022/23$ M$) (5)	PV of post 1996 works (@ 5%) (2022/23$ M$) (6)	PV of ETs for pre-1996 assets (@3%) (7)	PV of ETs for post-1996 assets (@5%) (8)
1993/94			0.10					
1994/95	417.97		0.00					
1995/96	**423**	5	0.00	**0.07**	**0.07**	0.00	**5**	**5**
1996/97	428	5	0.00	0.00		0.00	5	5
1997/98	433	5	0.00	0.00		0.00	5	5
1998/99	438	5	0.03	0.02		0.03	5	4
1999/00	443	5	0.00	0.00		0.00	5	4
2000/01	449	5	0.00	0.00		0.00	4	4
2001/02	449	1	0.00	0.00		0.00	1	1
2002/03	450	1	0.00	0.00		0.00	1	1
2003/04	451	1	0.04	0.02		0.02	1	1
2004/05	452	1	0.00	0.00		0.00	1	1
2005/06	452	1	0.00	0.00		0.00	1	0
2006/07	457	5	0.00	0.00		0.00	4	3
2007/08	462	5	0.00	0.00		0.00	4	3
2008/09	468	5	0.00	0.00		0.00	3	3
2009/10	473	5	0.00	0.00		0.00	3	3
2010/11	478	5	0.00	0.00		0.00	3	2
2011/12	479	2	0.00	0.00		0.00	1	1
2012/13	481	2	0.00	0.00		0.00	1	1
2013/14	483	2	0.12	0.08		0.05	1	1
2014/15	485	2	0.00	0.00		0.00	1	1
2015/16	487	2	0.28	0.18		0.11	1	1
2016/17	488	1	0.00	0.00		0.00	1	0
2017/18	490	1	0.00	0.00		0.00	1	0
2018/19	491	1	0.00	0.00		0.00	1	0
2019/20	492	1	0.00	0.00		0.00	1	0
2020/21	492	0	0.12	0.08		0.03	-	-
2021/22	496	4	0.01	0.00		0.00	2	1
2022/23	501	4	0.00	0.00		0.00	2	1
2023/24	505	4	0.03	0.02		0.01	2	1
2024/25	509	4	0.00	0.00		0.00	2	1
2025/26	513	4	0.00	0.00		0.00	2	1
2026/27	518	4	0.00	0.00		0.00	2	1
2027/28	522	4	0.00	0.00		0.00	2	1
2028/29	546	24		0.00		0.00	9	5
2029/30	570	24		0.00		0.00	9	5
2030/31	595	24		0.00		0.00	9	4
2031/32	619	24		0.00		0.00	8	4
2032/33	646	27		0.00		0.00	9	4
2033/34	674	27		0.00		0.00	9	4
2034/35	701	27		0.00		0.00	9	4
2035/36	728	27		0.00		0.00	8	4
2036/37	732	4		0.00		0.00	1	1
2037/38	737	4		0.00		0.00	1	1
2038/39	741	4		0.00		0.00	1	1
2039/40	745	4		0.00		0.00	1	0
2040/41	1,166	421		0.00		0.00	111	47
2041/42	1,170	4		0.00		0.00	1	0
2042/43	1,175	4		0.00		0.00	1	0
2043/44	1,179	4		0.00		0.00	1	0
2044/45	1,183	4		0.00		0.00	1	0
2045/46	1,187	4		0.00		0.00	1	0
2046/47	1,191	4		0.00		0.00	1	0
2047/48	1,196	4		0.00		0.00	1	0
2048/49	1,200	4		0.00		0.00	1	0
2049/50	1,204	4		0.00		0.00	1	0
2050/51	1,208	4		0.00		0.00	1	0
2051/52	1,213	4		0.00		0.00	1	0

2052/53	1,217	4		0.00		0.00	1	0
2053/54	1,221	4		0.00		0.00	1	0
Total		**803**	**0.72**	**0.47**	**0.07**	**0.25**	**268**	**144**

Percentage of capital works utilised by new ETs after 1995/96 **65.77%** 803/1221

$PV_{1995/96}$ of new ETs for pre-1996 asset @ 3%	268	ET	(column 7)
PV1995/96 of new ETs for post-1996 asset @ 5%	144	ET	(column 8)
$PV_{1995/96}$ of capital cost for pre-1996 asset @ 3%	0.07	$M	(column 5)
PV1995/96 of capital cost for post-1996 asset @ 5%	0.25	$M	(column 6)

Capital Charge

Pre 1996 assets =	$249 per ET ($0.07M/268)	(column 5 / column 7)
Post 1996 assets =	$1,752 per ET ($0.25M/144)	(column 6 / column 8)
Total =	**$2,001 per ET**	

B

Service Area B - Ballina and Lennox Head

Year	Total ET (1)	New ETs per year (2)	Capital cost (2022/23$ M$) (3)	Effective commissioning date & capital cost for post 1996 development (2022/23$ M$) (4)	PV of pre-1996 works (@ 3%) (2022/23$ M$) (5)	PV of post 1996 works (@ 5%) (2022/23$ M$) (6)	PV of ETs for pre-1996 assets (@3%) (7)	PV of ETs for post-1996 assets (@5%) (8)
1993/94			0.75					
1994/95	10568		1.58					
1995/96	**10798**	231	0.12	**1.01**	**1.01**	0.12	**231**	**231**
1996/97	11029	231	0.00	0.00		0.00	224	220
1997/98	11260	231	0.00	0.00		0.00	218	209
1998/99	11491	231	1.28	0.53		1.11	211	199
1999/00	11722	231	0.00	0.00		0.00	205	190
2000/01	11953	231	0.00	0.00		0.00	199	181
2001/02	12008	55	0.00	0.00		0.00	46	41
2002/03	12064	55	0.00	0.00		0.00	45	39
2003/04	12119	55	0.08	0.03		0.05	44	38
2004/05	12175	55	0.00	0.00		0.00	43	36
2005/06	12230	55	0.00	0.00		0.00	41	34
2006/07	12313	83	0.00	0.00		0.00	60	49
2007/08	12396	83	0.09	0.04		0.05	58	46
2008/09	12480	83	0.07	0.03		0.04	57	44
2009/10	12563	83	0.00	0.00		0.00	55	42
2010/11	12646	83	0.00	0.00		0.00	53	40
2011/12	12801	155	0.20	0.08		0.09	97	71
2012/13	12957	155	0.00	0.00		0.00	94	68
2013/14	13112	155	0.06	0.03		0.03	91	65
2014/15	13268	155	0.00	0.00		0.00	89	62
2015/16	13423	155	1.34	0.56		0.51	86	59
2016/17	13868	445	0.00	0.00		0.00	239	160
2017/18	14312	445	0.03	0.01		0.01	232	152
2018/19	14757	445	0.41	0.17		0.13	225	145
2019/20	15201	445	0.77	0.32		0.24	219	138
2020/21	15423	221	2.49	1.03		0.74	106	65
2021/22	15467	45	0.34	0.14		0.10	21	13
2022/23	15525	58	0.67	0.28		0.18	26	16
2023/24	15583	58	3.53	1.47		0.90	25	15
2024/25	15772	189	1.63	0.68		0.40	80	46
2025/26	15832	60	4.49	1.87		1.04	25	14
2026/27	16057	225	0.81	0.34		0.18	90	50
2027/28	16196	139	0.00	0.00		0.00	54	29
2028/29	16325	129		0.00		0.00	49	26
2029/30	16454	129		0.00		0.00	47	25
2030/31	16653	199		0.00		0.00	71	36
2031/32	16731	78		0.00		0.00	27	13
2032/33	17215	484		0.00		0.00	162	80
2033/34	17234	19		0.00		0.00	6	3
2034/35	17254	19		0.00		0.00	6	3
2035/36	17793	539		0.00		0.00	165	77
2036/37	17805	11		0.00		0.00	3	2
2037/38	17816	11		0.00		0.00	3	1
2038/39	17827	11		0.00		0.00	3	1
2039/40	17839	11		0.00		0.00	3	1
2040/41	17927	88		0.00		0.00	23	10
2041/42	17938	11		0.00		0.00	3	1
2042/43	17949	11		0.00		0.00	3	1
2043/44	17961	11		0.00		0.00	3	1
2044/45	17972	11		0.00		0.00	3	1
2045/46	17984	11		0.00		0.00	3	1
2046/47	17995	11		0.00		0.00	3	1
2047/48	18006	11		0.00		0.00	2	1
2048/49	18018	11		0.00		0.00	2	1
2049/50	18029	11		0.00		0.00	2	1
2050/51	18041	11		0.00		0.00	2	1
2051/52	18052	11		0.00		0.00	2	1
2052/53	18064	11		0.00		0.00	2	1
2053/54	18075	11		0.00		0.00	2	1
Total		**7507**	**20.74**	**8.62**	**1.01**	**5.90**	**4,191**	**3,094**

Percentage of capital works utilised by new ETs after 1995/96 **41.53%** 7507/18075

$PV_{1995/96}$ of new ETs for pre-1996 asset @ 3%	4,191	ET	(column 7)
PV1995/96 of new ETs for post-1996 asset @ 5%	3,094	ET	(column 8)
$PV_{1995/96}$ of capital cost for pre-1996 asset @ 3%	1.01	$M	(column 5)
PV1995/96 of capital cost for post-1996 asset @ 5%	5.90	$M	(column 6)

Capital Charge

Pre 1996 assets =	$242 per ET	($1.01M/4191)	(column 5 / column 7)
Post 1996 assets =	$1,907 per ET	($5.9M/3094)	(column 6 / column 8)
Total =	**$2,149 per ET**		

c

Service Area C - WUEA

Year	Total ET (1)	New ETs per year (2)	Capital cost (2022/23$ M$) (3)	Effective commissioning date & capital cost for post 1996 development (2022/23$ M$) (4)	PV of pre-1996 works (@ 3%) (2022/23$ M$) (5)	PV of post 1996 works (@ 5%) (2022/23$ M$) (6)	PV of ETs for pre-1996 assets (@3%) (7)	PV of ETs for post-1996 assets (@5%) (8)
1993/94			0.00					
1994/95	0		0.00					
1995/96	**0**	0	0.00	0.00	0.00	0.00	-	-
1996/97	0	0	0.00	0.00		0.00	-	-
1997/98	0	0	0.00	0.00		0.00	-	-
1998/99	0	0	0.00	0.00		0.00	-	-
1999/00	0	0	0.00	0.00		0.00	-	-
2000/01	0	0	0.00	0.00		0.00	-	-
2001/02	0	0	0.00	0.00		0.00	-	-
2002/03	0	0	0.00	0.00		0.00	-	-
2003/04	0	0	0.00	0.00		0.00	-	-
2004/05	0	0	0.00	0.00		0.00	-	-
2005/06	0	0	0.00	0.00		0.00	-	-
2006/07	0	0	0.00	0.00		0.00	-	-
2007/08	0	0	0.00	0.00		0.00	-	-
2008/09	0	0	0.00	0.00		0.00	-	-
2009/10	0	0	0.00	0.00		0.00	-	-
2010/11	34	34	0.87	0.87		0.42	22	16
2011/12	67	34	0.00	0.00		0.00	21	15
2012/13	101	34	1.09	1.09		0.48	20	15
2013/14	134	34	0.00	0.00		0.00	20	14
2014/15	168	34	0.00	0.00		0.00	19	13
2015/16	201	34	0.00	0.00		0.00	19	13
2016/17	235	34	0.00	0.00		0.00	18	12
2017/18	268	34	0.00	0.00		0.00	17	11
2018/19	302	34	0.00	0.00		0.00	17	11
2019/20	335	34	0.00	0.00		0.00	16	10
2020/21	353	18	0.00	0.00		0.00	8	5
2021/22	371	18	0.00	0.00		0.00	8	5
2022/23	388	18	0.00	0.00		0.00	8	5
2023/24	406	18	0.00	0.00		0.00	8	5
2024/25	479	73	0.00	0.00		0.00	31	18
2025/26	552	73	0.00	0.00		0.00	30	17
2026/27	625	73	0.12	0.12		0.03	29	16
2027/28	697	73	0.00	0.00		0.00	28	15
2028/29	770	73		0.00		0.00	27	15
2029/30	843	73		0.00		0.00	27	14
2030/31	843	0		0.00		0.00	-	-
2031/32	843	0		0.00		0.00	-	-
2032/33	843	0		0.00		0.00	-	-
2033/34	843	0		0.00		0.00	-	-
2034/35	843	0		0.00		0.00	-	-
2035/36	843	0		0.00		0.00	-	-
2036/37	843	0		0.00		0.00	-	-
2037/38	843	0		0.00		0.00	-	-
2038/39	843	0		0.00		0.00	-	-
2039/40	843	0		0.00		0.00	-	-
2040/41	843	0		0.00		0.00	-	-
2041/42	843	0		0.00		0.00	-	-
2042/43	843	0		0.00		0.00	-	-
2043/44	843	0		0.00		0.00	-	-
2044/45	843	0		0.00		0.00	-	-
2045/46	843	0		0.00		0.00	-	-
2046/47	843	0		0.00		0.00	-	-
2047/48	843	0		0.00		0.00	-	-
2048/49	843	0		0.00		0.00	-	-
2049/50	843	0		0.00		0.00	-	-
2050/51	843	0		0.00		0.00	-	-
2051/52	843	0		0.00		0.00	-	-
2052/53	843	0		0.00		0.00	-	-
2053/54	843	0		0.00		0.00	-	-
Total		**843.000**	**2.07**	**2.07**	**-**	**0.92**	**394**	**244**

Percentage of capital works utilised by new ETs after 1995/96 **100.00%** 843/843

$PV_{1995/96}$ of new ETs for pre-1996 asset @ 3%	394	ET	(column 7)
PV1995/96 of new ETs for post-1996 asset @ 5%	244	ET	(column 8)
$PV_{1995/96}$ of capital cost for pre-1996 asset @ 3%	-	$M	(column 5)
PV1995/96 of capital cost for post-1996 asset @ 5%	0.92	$M	(column 6)

Capital Charge

Pre 1996 assets =	$0 per ET	($0M/394)	(column 5 / column 7)
Post 1996 assets =	$3,755 per ET	($0.92M/244)	(column 6 / column 8)
Total =	**$3,755 per ET**		

E

Service Area E - Alstonville / Wollongbar

Year	Total ET (1)	New ETs per year (2)	Capital cost (2022/23$ M$) (3)	Effective commissioning date & capital cost for post 1996 development (2022/23$ M$) (4)	PV of pre-1996 works (@ 3%) (2022/23$ M$) (5)	PV of post 1996 works (@ 5%) (2022/23$ M$) (6)	PV of ETs for pre-1996 assets (@3%) (7)	PV of ETs for post-1996 assets (@5%) (8)
1993/94			0.44					
1994/95	2459		0.00					
1995/96	**2486**	27	0.00	**0.17**	**0.17**	0.00	**27**	**27**
1996/97	2514	27	0.00	0.00		0.00	26	26
1997/98	2541	27	0.00	0.00		0.00	26	25
1998/99	2568	27	0.62	0.24		0.53	25	24
1999/00	2595	27	0.00	0.00		0.00	24	22
2000/01	2622	27	0.00	0.00		0.00	23	21
2001/02	2658	35	0.00	0.00		0.00	29	26
2002/03	2693	35	0.00	0.00		0.00	29	25
2003/04	2728	35	0.94	0.37		0.64	28	24
2004/05	2763	35	0.00	0.00		0.00	27	23
2005/06	2798	35	0.00	0.00		0.00	26	22
2006/07	2809	10	0.00	0.00		0.00	8	6
2007/08	2819	10	0.00	0.00		0.00	7	6
2008/09	2830	10	0.02	0.01		0.01	7	6
2009/10	2840	10	0.00	0.00		0.00	7	5
2010/11	2851	10	0.04	0.02		0.02	7	5
2011/12	2896	45	0.00	0.00		0.00	28	21
2012/13	2940	45	0.00	0.00		0.00	27	20
2013/14	2985	45	0.05	0.02		0.02	26	19
2014/15	3030	45	0.05	0.02		0.02	26	18
2015/16	3075	45	0.00	0.00		0.00	25	17
2016/17	3118	43	0.00	0.00		0.00	23	15
2017/18	3161	43	0.00	0.00		0.00	22	15
2018/19	3204	43	0.00	0.00		0.00	22	14
2019/20	3247	43	0.19	0.07		0.06	21	13
2020/21	3247	0	0.01	0.01		0.00	-	-
2021/22	3255	8	0.73	0.29		0.21	4	2
2022/23	3263	8	0.00	0.00		0.00	3	2
2023/24	3270	8	0.00	0.00		0.00	3	2
2024/25	3278	8	0.00	0.00		0.00	3	2
2025/26	3286	8	0.08	0.03		0.02	3	2
2026/27	3329	44	0.12	0.05		0.03	18	10
2027/28	3337	8	0.00	0.00		0.00	3	2
2028/29	3348	11		0.00		0.00	4	2
2029/30	3359	11		0.00		0.00	4	2
2030/31	3492	133		0.00		0.00	47	24
2031/32	3506	15		0.00		0.00	5	3
2032/33	3867	360		0.00		0.00	121	59
2033/34	3878	11		0.00		0.00	4	2
2034/35	3889	11		0.00		0.00	4	2
2035/36	3901	11		0.00		0.00	4	2
2036/37	3909	8		0.00		0.00	2	1
2037/38	3916	8		0.00		0.00	2	1
2038/39	3924	8		0.00		0.00	2	1
2039/40	3932	8		0.00		0.00	2	1
2040/41	3939	8		0.00		0.00	2	1
2041/42	3947	8		0.00		0.00	2	1
2042/43	3954	8		0.00		0.00	2	1
2043/44	3962	8		0.00		0.00	2	1
2044/45	3970	8		0.00		0.00	2	1
2045/46	3977	8		0.00		0.00	2	1
2046/47	3985	8		0.00		0.00	2	1
2047/48	3993	8		0.00		0.00	2	1
2048/49	4000	8		0.00		0.00	2	1
2049/50	4008	8		0.00		0.00	2	1
2050/51	4016	8		0.00		0.00	2	1
2051/52	4023	8		0.00		0.00	1	0
2052/53	4031	8		0.00		0.00	1	0
2053/54	4039	8		0.00		0.00	1	0
Total		**1579**	**3.31**	**1.29**	**0.17**	**1.56**	**808**	**572**

Percentage of capital works utilised by new ETs after 1995/96 **39.11%** 1579/4039

$PV_{1995/96}$ of new ETs for pre-1996 asset @ 3%	808	ET	(column 7)
PV1995/96 of new ETs for post-1996 asset @ 5%	572	ET	(column 8)
$PV_{1995/96}$ of capital cost for pre-1996 asset @ 3%	0.17	$M	(column 5)
PV1995/96 of capital cost for post-1996 asset @ 5%	1.56	$M	(column 6)

Capital Charge

Pre 1996 assets =	$215 per ET	($0.17M/808)	(column 5 / column 7)
Post 1996 assets =	$2,728 per ET	($1.56M/572)	(column 6 / column 8)
Total =	**$2,944 per ET**		

F

Service Area F - Ballina Heights / Cumbalum

Year	Total ET (1)	New ETs per year (2)	Capital cost (2022/23$ M$) (3)	Effective commissioning date & capital cost for post 1996 development (2022/23$ M$) (4)	PV of pre-1996 works (@ 3%) (2022/23$ M$) (5)	PV of post 1996 works (@ 5%) (2022/23$ M$) (6)	PV of ETs for pre-1996 assets (@3%) (7)	PV of ETs for post-1996 assets (@5%) (8)
1993/94			0.00					
1994/95	0		0.00					
1995/96	**0**	0	0.00	0.00	0.00	0.00	-	-
1996/97	0	0	0.00	0.00		0.00	-	-
1997/98	0	0	0.00	0.00		0.00	-	-
1998/99	0	0	0.00	0.00		0.00	-	-
1999/00	0	0	0.00	0.00		0.00	-	-
2000/01	0	0	0.00	0.00		0.00	-	-
2001/02	0	0	0.00	0.00		0.00	-	-
2002/03	127	127	0.00	0.00		0.00	103	90
2003/04	170	43	0.00	0.00		0.00	34	29
2004/05	213	43	0.00	0.00		0.00	33	28
2005/06	256	43	0.00	0.00		0.00	32	26
2006/07	299	43	0.04	0.04		0.03	31	25
2007/08	342	43	0.00	0.00		0.00	30	24
2008/09	385	43	0.00	0.00		0.00	29	23
2009/10	428	43	0.00	0.00		0.00	28	22
2010/11	471	43	0.00	0.00		0.00	28	21
2011/12	514	43	0.00	0.00		0.00	27	20
2012/13	557	43	0.00	0.00		0.00	26	19
2013/14	601	43	0.00	0.00		0.00	25	18
2014/15	644	43	0.00	0.00		0.00	25	17
2015/16	687	43	2.93	2.93		1.10	24	16
2016/17	730	43	0.00	0.00		0.00	23	15
2017/18	773	43	0.00	0.00		0.00	22	15
2018/19	816	43	0.00	0.00		0.00	22	14
2019/20	859	43	0.00	0.00		0.00	21	13
2020/21	1019	161	0.00	0.00		0.00	77	47
2021/22	1181	162	0.12	0.12		0.03	75	46
2022/23	1333	152	0.00	0.00		0.00	68	41
2023/24	1485	152	0.04	0.04		0.01	66	39
2024/25	1637	152	0.00	0.00		0.00	64	37
2025/26	1789	152	0.11	0.11		0.02	63	35
2026/27	2037	248	0.00	0.00		0.00	99	55
2027/28	2189	152	0.00	0.00		0.00	59	32
2028/29	2191	1		0.00		0.00	1	0
2029/30	2192	1		0.00		0.00	1	0
2030/31	2194	1		0.00		0.00	1	0
2031/32	2195	1		0.00		0.00	1	0
2032/33	2197	1		0.00		0.00	0	0
2033/34	2198	1		0.00		0.00	0	0
2034/35	2200	1		0.00		0.00	0	0
2035/36	2201	1		0.00		0.00	0	0
2036/37	2203	1		0.00		0.00	0	0
2037/38	2204	1		0.00		0.00	0	0
2038/39	2206	1		0.00		0.00	0	0
2039/40	2207	1		0.00		0.00	0	0
2040/41	2209	1		0.00		0.00	0	0
2041/42	2210	1		0.00		0.00	0	0
2042/43	2212	1		0.00		0.00	0	0
2043/44	2213	1		0.00		0.00	0	0
2044/45	2214	1		0.00		0.00	0	0
2045/46	2216	1		0.00		0.00	0	0
2046/47	2217	1		0.00		0.00	0	0
2047/48	2219	1		0.00		0.00	0	0
2048/49	2220	1		0.00		0.00	0	0
2049/50	2222	1		0.00		0.00	0	0
2050/51	2223	1		0.00		0.00	0	0
2051/52	2225	1		0.00		0.00	0	0
2052/53	2226	1		0.00		0.00	0	0
2053/54	2228	1		0.00		0.00	0	0
Total		**2228**	**3.24**	**3.24**	**-**	**1.20**	**1,146**	**771**

Percentage of capital works utilised by new ETs after 1995/96 **100.00%** 2228/2228

$PV_{1995/96}$ of new ETs for pre-1996 asset @ 3%	1,146	ET	(column 7)
PV1995/96 of new ETs for post-1996 asset @ 5%	771	ET	(column 8)
$PV_{1995/96}$ of capital cost for pre-1996 asset @ 3%	-	$M	(column 5)
PV1995/96 of capital cost for post-1996 asset @ 5%	1.20	$M	(column 6)

Capital Charge

Pre 1996 assets =	$0 per ET	($0M/1146)	(column 5 / column 7)
Post 1996 assets =	$1,553 per ET	($1.2M/771)	(column 6 / column 8)
Total =	**$1,553 per ET**		

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Service Area G - Kinvara

Year	Total ET (1)	New ETs per year (2)	Capital cost (2022/23$ M$) (3)	Effective commissioning date & capital cost for post 1996 development (2022/23$ M$) (4)	PV of pre-1996 works (@ 3%) (2022/23$ M$) (5)	PV of post 1996 works (@ 5%) (2022/23$ M$) (6)	PV of ETs for pre-1996 assets (@3%) (7)	PV of ETs for post-1996 assets (@5%) (8)
1993/94			0.00					
1994/95	0		0.00					
1995/96	**0**	0	0.00	0.00	0.00	0.00	-	-
1996/97	0	0	0.00	0.00		0.00	-	-
1997/98	0	0	0.00	0.00		0.00	-	-
1998/99	0	0	0.00	0.00		0.00	-	-
1999/00	0	0	0.00	0.00		0.00	-	-
2000/01	0	0	0.00	0.00		0.00	-	-
2001/02	0	0	0.00	0.00		0.00	-	-
2002/03	0	0	0.00	0.00		0.00	-	-
2003/04	0	0	0.00	0.00		0.00	-	-
2004/05	0	0	0.00	0.00		0.00	-	-
2005/06	0	0	0.00	0.00		0.00	-	-
2006/07	0	0	0.00	0.00		0.00	-	-
2007/08	0	0	0.00	0.00		0.00	-	-
2008/09	0	0	0.00	0.00		0.00	-	-
2009/10	0	0	0.00	0.00		0.00	-	-
2010/11	0	0	0.00	0.00		0.00	-	-
2011/12	0	0	0.00	0.00		0.00	-	-
2012/13	0	0	0.00	0.00		0.00	-	-
2013/14	0	0	0.00	0.00		0.00	-	-
2014/15	0	0	0.00	0.00		0.00	-	-
2015/16	0	0	0.00	0.00		0.00	-	-
2016/17	0	0	0.00	0.00		0.00	-	-
2017/18	0	0	0.00	0.00		0.00	-	-
2018/19	0	0	0.00	0.00		0.00	-	-
2019/20	0	0	0.00	0.00		0.00	-	-
2020/21	0	0	0.00	0.00		0.00	-	-
2021/22	0	0	0.00	0.00		0.00	-	-
2022/23	0	0	0.00	0.00		0.00	-	-
2023/24	0	0	0.00	0.00		0.00	-	-
2024/25	0	0	0.00	0.00		0.00	-	-
2025/26	0	0	0.00	0.00		0.00	-	-
2026/27	134	134	0.00	0.00		0.00	54	30
2027/28	268	134	5.29	5.29		1.11	52	28
2028/29	402	134		0.00		0.00	51	27
2029/30	536	134		0.00		0.00	49	26
2030/31	670	134		0.00		0.00	48	24
2031/32	804	134		0.00		0.00	46	23
2032/33	1193	389		0.00		0.00	130	64
2033/34	1327	134		0.00		0.00	44	21
2034/35	1461	134		0.00		0.00	42	20
2035/36	1595	134		0.00		0.00	41	19
2036/37	1729	134		0.00		0.00	40	18
2037/38	1863	134		0.00		0.00	39	17
2038/39	1997	134		0.00		0.00	38	16
2039/40	2130	133		0.00		0.00	36	16
2040/41	2264	134		0.00		0.00	35	15
2041/42	2398	134		0.00		0.00	34	14
2042/43	2532	134		0.00		0.00	33	14
2043/44	2666	134		0.00		0.00	32	13
2044/45	2666	0		0.00		0.00	-	-
2045/46	2666	0		0.00		0.00	-	-
2046/47	2666	0		0.00		0.00	-	-
2047/48	2666	0		0.00		0.00	-	-
2048/49	2666	0		0.00		0.00	-	-
2049/50	2666	0		0.00		0.00	-	-
2050/51	2666	0		0.00		0.00	-	-
2051/52	2666	0		0.00		0.00	-	-
2052/53	2666	0		0.00		0.00	-	-
2053/54	2666	0		0.00		0.00	-	-
Total		**2666**	**5.29**	**5.29**	**-**	**1.11**	**844**	**404**

Percentage of capital works utilised by new ETs after 1995/96 **100.00%** 2666/2666

$PV_{1995/96}$ of new ETs for pre-1996 asset @ 3%	844	ET	(column 7)
PV1995/96 of new ETs for post-1996 asset @ 5%	404	ET	(column 8)
$PV_{1995/96}$ of capital cost for pre-1996 asset @ 3%	-	$M	(column 5)
PV1995/96 of capital cost for post-1996 asset @ 5%	1.11	$M	(column 6)

Capital Charge

Pre 1996 assets =	$0 per ET	($0M/844)	(column 5 / column 7)
Post 1996 assets =	$2,747 per ET	($1.11M/404)	(column 6 / column 8)
Total =	**$2,747 per ET**		

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