



Clarence Valley Council

Development Servicing Plans Sewerage Services

August 2017

Executive Summary

This Development Servicing Plan (DSP) details sewerage developer charges in regard to the development areas serviced by the Clarence Valley Council (CVC).

This DSP has been prepared in accordance with the *2016 Developer Charges Guidelines for Water Supply, Sewerage and Stormwater* (2016) issued by the NSW Department of Primary Industries Office of Water (NSW DPI Office of Water), pursuant to section 306 (3) of the *Water Management Act, 2000*.

The following DSPs are included in this document:

- Woodford Island and Iluka – servicing areas in Maclean, Townsend, Ilarwil, Lawrence and Iluka
- Yamba – servicing areas in Yamba, Angourie, Wooloweyah and the hamlet of Oyster Channel
- North Grafton and Clarenza – servicing areas in Clarenza, Junction Hill as well as both North and South Grafton.

The areas covered by this DSP are shown on the Figures in Section 12.

The timing and expenditure for works servicing the areas covered in this DSP are discussed in Section 4. CVC's future sewerage capital expenditure contributing to the capital charges in each service area are summarised in Section 15.

Levels of service to be provided in the DSP areas are shown summarised in Section 5.

The sewerage developer charges for the areas covered by this DSP have been determined as summarised 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 Sections 7.5, 16 and 19. The capital charges for the following areas were within 30% and as such the service areas have been agglomerated:

- Woodford Island and Iluka
- North Grafton and Clarenza.

Table E-1 Sewerage Developer Charges

DSP Area	Calculated Developer Charge (\$/ET)	Adopted Developer Charge (\$/ET)	Cross – subsidy (\$)	Resulting Increase in the Typical Residential Bill (\$)
Woodford Island and Iluka	\$18,229	\$11,516	\$6,710	\$63
Yamba	\$11,516	\$11,516	\$0	\$0
North Grafton and Clarenza	\$6,435	\$6,435	\$0	\$0

Developer charges relating to this DSP will be reviewed after a period of 4 to 8 years. In the period between any review, developer charges will be indexed annually (1st day of July) on the basis of movements on the Consumer Price Index (CPI) for Sydney, in the preceding 12 months to December, excluding the impact of Goods and Services Tax (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 sewerage services. In addition to this sewerage DSP there are other Council plans that apply to provision of infrastructure for developments.

Relevant background documents which identify the characteristics of the sewerage assets covered by this DSP are listed in Section 9. These documents are available on request from Clarence Valley Council.

Background information containing all the critical data including calculation models behind this DSP is available from Council's offices by appointment. To review these documents, please contact Council on (02) 6643 0200.

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Appendices

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1. Introduction

Section 64 of the *Local Government Act, 1993* enables a local government Council 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 sewerage developer charges to be levied on development areas using a local utility's sewerage infrastructure.

This DSP covers sewerage developer charges in respect of development areas served by the Clarence Valley Council ('the Council').

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

This DSP document supersedes all previous sewerage development servicing plans and requirements related to sewerage developer charges for the areas covered by this DSP adopted by the Council prior to the adoption of this DSP. This DSP takes precedence over any of Council's codes or policies where there are any inconsistencies relating to the sewerage developer charges.

1.1 Purpose of the Plan

The purpose of this DSP 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 sewerage 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 sewerage infrastructure as a result of future development
- Enable Council to be both publicly and financially accountable in its assessment and administration of the DSP.

1.2 Disclaimer

This report has been prepared by GHD for Clarence Valley Council and may only be used and relied on by Clarence Valley Council for the purpose agreed between GHD and the Clarence Valley Council as set out in Section 1.1 of this report.

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

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.

The opinions, conclusions and any recommendations in this report are based on assumptions made by GHD described in this report. GHD disclaims liability arising from any of the assumptions being incorrect.

2. Administration

2.1 Name of Development Servicing Plan

This DSP is known as *Clarence Valley Council Development Servicing Plan – Sewerage Services*. This document contains DSPs for the following DSP areas:

- Woodford Island and Iluka
- Yamba
- North Grafton and Clarenza

The area serviced by the Coutts Crossing Sewerage Treatment Plant (STP) was originally considered while developing this DSP. However, there is minimal expected population growth, and no planned sewerage infrastructure works for this area within the 30-year planning period. As such, it was determined that a DSP was not required for the Coutts Crossing STP service area.

2.2 Area to Which This DSP Applies

This DSP applies to all land administered by the Clarence Valley Council (CVC) Local Government Area (LGA) that is within the existing and proposed service areas (refer to Figure 12-1 and the tables below).

DSP Name	Woodford Island and Iluka
DSP Area	The area covered by the DSP area is shown in Figure 12-2.
DSP Boundaries	The DSP area boundary is defined as the area served by the Woodford Island STP and the Iluka STP. The sewerage schemes are discussed in Section 4.1.1 and Section 4.1.2 respectively.

DSP Name	Yamba
DSP Area	The area covered by the DSP area is shown in Figure 12-3.
DSP Boundaries	The DSP area boundary is defined as the area served by the Yamba STP with the exception of the R5 land in West Yamba. The sewerage scheme is discussed in Section 4.1.3.

DSP Name	North Grafton and Clarenza
DSP Area	The area covered by the DSP area is shown in Figure 12-4.
DSP Boundaries	The DSP area boundary is defined as the area served by the North Grafton STP and the Clarenza STP. The sewerage schemes are discussed in Section 4.1.4 and Section 4.1.5 respectively.

2.3 Date of DSP Commencement

Council approved this DSP on 30 November 2016 for public exhibition. The DSP will come into effect once adopted by Council after the public exhibition period. Once adopted, the DSP will be forwarded to the NSW Office of Water (NOW) for registration.

The charges in this Plan will apply to all Development Applications determined on or after the date Council resolves the plan to commence.

2.4 Payment of Developer Charges

Developer charges will be determined and levied in accordance with the provisions of the current DSP at the time of considering an application for a compliance certificate under section 305 of the *Water Management Act 2000*, 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. Section 5.3, 5.5 or 5A.2 of the *State Environmental Planning Policy (Exempt and Complying Development Codes) 2008*.

A time limit for payment of developer charges must be included in any developer charge determination or advice provided to developers.

Council may elect to determine developer charges at the time of considering a development application. Such a determination would accompany the development consent, and must specify a time limit for payment. If the developer charges have not been paid in full within the specified time limit, subject to the development consent remaining valid, no further adjustment to the developer charges may be made at the time of considering an application for a Compliance Certificate. If the developer charges have not been paid in full within the specified time limit, the developer charges will be determined by the LWU at the time of considering an application for a Compliance Certificate using the LWU's then current DSP document.

It is noted that section 64 developer charges do not apply for developments serviced by a licenced operator under the *Water Industry Competition Act 2006 (WICA)* or *Water Industry Competition Amendment (Review) Act 2014*. The capital cost of the infrastructure serving such developments would be recovered through annual access and usage charges.

2.5 Developer Charges for Crown Developments

Under section 306 (4) and (5), of the *Water Management Act, 2000*, the Minister for Planning and Infrastructure may make a determination in respect of developer charges levied on Crown developments.

Crown developments for essential community services (education, health, community services, and law and order) are exempt from general developer charges. Council can only charge crown developments for the portion of cost associated with direct connection costs relating to the development.

2.6 Refunds

If this DSP is revised to correct a major error in the calculation, Council will provide a refund to developers for any resulting over-payments.

2.7 Developments Outside the Development Servicing Areas

When considering development outside the boundaries of this DSP, Council may either:

- Apply the developer charges adopted for the DSP to the new development; or
- Prepare a new DSP for the new development.

Such a development is likely to require the construction of specific assets. Refer to Section 2.8 for discussion on funding of out-of-sequence development.

2.8 Out-of-Sequence Development

Council has planned its infrastructure development according to a desired sequence of development. If a Developer wishes to proceed with a development, which is not in the same sequence, i.e. before essential assets, such as a sewer main or STP, are in place, the Council may approve construction of the essential assets ahead of time provided that there are no other constraints to the development.

In such cases the assets will be sized by the Council in accordance with the requirements of the DSP, and the full capital cost would initially be met by this Developer. If the assets funded by this Developer will serve other future development, the Developer shall be reimbursed when the Council collects developer charges from the future development. The Council and the Developer must enter into an agreement stating how the Developer will be reimbursed in the future.

2.9 Consultation and Dispute Resolution

A Developer who is dissatisfied with how the Council has calculated a developer charge has a right of appeal pursuant to the *2016 Developer Charges Guidelines for Water Supply, Sewerage and Stormwater* (NSW DPI Office of Water, 2016). The following process must be followed:

1. A Developer who is dissatisfied with how Council has calculated the developer charge for a particular development may lodge a formal complaint to the Council
2. The CVC General Manager is to review the complaint or cause it to be reviewed
3. CVC is not a member of the Energy and Water Ombudsman (EWON). If the developer is not satisfied with the General Manager's response, the matter may be referred to the Ombudsman
4. If the complaint is on technical matters or issues of interpretation of the *2016 Developer Charges Guidelines for Water Supply, Sewerage and Stormwater* (NSW DPI Office of Water, 2016), the Developer may refer the complaint to NOW. NOW will respond to the complaint. Where warranted, NOW may refer the matter to the expert technical panel, which includes representatives from NOW, Independent Pricing and Regulatory Tribunal (IPART), the NSW Water Directorate, local water utilities and the development industry
5. The Developer, if still dissatisfied, may request that the matter be reviewed by way of arbitration by an arbitrator, who is to be appointed by agreement between the Developer and the Council (The *Commercial Arbitration Act, 1984* applies to any such arbitration)
6. The decision of the arbitrator is binding on both the Developer and Council
7. Costs of the arbitration are to be borne equally by the Developer and Council.

3. Demographic and Land Use Planning Information

3.1 Growth Projections

Growth projections for population and number of sewerage Equivalent Tenements (ETs) are shown in Table 3-1 below. These projections are for a 30-year planning horizon from 2016 to 2046, which is the Council's current planning horizon.

Table 3-1 Growth Projections

Time Period	Equivalent Tenements (ETs)	Number of New ETs	Cumulative ETs
1995/96	12,851		
2015/16	14,303		
2016/17	14,378	75	75
2017/18	14,476	98	173
2018/19	14,582	106	279
2019/20	14,658	77	356
2020/21	14,736	77	433
2021/22	14,814	78	511
2022/23	14,892	78	589
2023/24	14,971	79	668
2024/25	15,050	79	748
2025/26	15,130	80	827
2026/27	15,210	80	908
2027/28	15,291	81	989
2028/29	15,373	81	1,070
2029/30	15,454	82	1,152
2030/31	15,537	82	1,234
2031/32	15,620	83	1,317
2032/33	15,703	83	1,401
2033/34	15,787	84	1,485
2034/35	15,872	85	1,569
2035/36	15,957	85	1,654
2036/37	16,043	86	1,740
2037/38	16,129	86	1,826
2038/39	16,216	87	1,913
2039/40	16,303	87	2,000
2040/41	16,391	88	2,088
2041/42	16,479	88	2,177
2042/43	16,568	89	2,266
2043/44	16,658	90	2,355
2044/45	16,748	90	2,445
2045/46	16,839	91	2,536
2046/47	16,930	91	2,627

The calculation of ET projections is discussed in Section 7.3 of this DSP. A detailed methodology and calculation outcomes of ET projections are presented in Section 13.

3.2 Land Use Information

This DSP should be read in conjunction with the *Clarence Valley Council Strategic Business Plan for Sewerage Services* (GHD, 2016) and *Clarence Valley Local Environmental Plan* (CVC, 2011).

A draft sewer and water servicing strategy for a proposed development in the Clarenza urban release area was prepared by Hunter Water Australia in 2013. The ultimate yield of this development area is approximately 1,262 residential lots¹ to be developed in six stages all of which will require connection to water supply and sewerage services. There are currently plans to develop the first five stages of this development with an approximate yield of 635 residential lots¹. These works have not been included in a forward Council works program.

A specific Development Control Plan (DCP) has been adopted for the West Yamba urban release area, which required developers to prepare a sewer and water servicing strategy for the area. A draft servicing strategy has been produced by Hunter H₂O for a proposed development of approximately 1,198 residential lots which will require connection to water supply and sewerage services. These lots will be developed in stages with the first stage consisting of 161 lots being established over 3 - 5 years with the remaining 1,037 lots being developed at an expected rate of 50 lots per year². The provision of water supply and sewerage services is being funded by the Developer.

Half of the Junction Hill Release Area was rezoned on 17 December 2010. At Junction Hill there is a development under way which will introduce an approximate 732 new ETs³, which will require connection to water supply and sewerage services. The provision of these services will be funded by the Developer.

The Gulmarrad and James Creek urban release areas will require connection to both water supply and sewerage services. This area will be serviced by the Woodford Island STP.

¹Hunter Water Australia, Clarence Valley Council Clarenza Urban Release Water Supply and Sewer Strategy, 2013.

²Hunter H₂O, West Yamba Urban Release Area Water Supply and Sewer Servicing Strategy, 2015.

³Cardno, Sketch 27, Junction Hill Overall Sewer Reticulation Concept Plan, 2001.

4. Sewerage Infrastructure

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

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

- Distribution and Trunk Mains
- Sewerage Pumping Stations
- Wastewater Treatment Works
- Trunk Infrastructure
- Recycled Water Infrastructure.

4.1 Existing and Future Sewerage Services

The existing and proposed sewerage infrastructure serving the area covered by this DSP is detailed in the asset registers contained in Section 14. The following sewerage schemes and potential future arrangements and augmentations are discussed:

- Woodford Island – Section 4.1.1
- Iluka – Section 4.1.2
- Yamba - Section 4.1.3
- North Grafton – Section 4.1.4
- Clarenza – Section 4.1.5.

Future capital expenditure which contributes to the capital charge of the areas considered in this DSP is discussed in Section 4.3 and detailed in Section 15.

Areas of future growth which will require connection to sewerage services are identified in Section 3.2.

4.1.1 Woodford Island

Existing

This STP services the towns of Maclean, Townsend, Ilarwill and the village of Lawrence; the latter with a pressure sewer system. The STP has two Intermittently Decanted Extended Aeration (IDEA) tanks with diffused aeration with alum and caustic soda dosing, three sludge lagoons, sand filtration and ultraviolet (UV) disinfection. Woodford Island STP also accepts septic tank effluent and septage.

Future

This STP is designed for future augmentation to 12,000 Equivalent Persons (EPs), which would include an additional 4000 EP IDEA tank, an additional set of blowers and an additional sludge lagoon. Future augmentation will enable the STP to service Gulmarrad and James Creek as well as additional loads resulting from increased density in Lawrence.

When *Local Government Act 1993* Section 60 approval is received, recycled water will be reused on the adjacent Golf Course, and the reuse stream will be chlorinated. Recycled water which is unable to be reused is pumped to the Clarence River.

4.1.2 Iluka

Existing

The Iluka STP services the town of Iluka and consists of two IDEA tanks with diffused aeration with alum and caustic soda dosing, continuous upflow sand filtration, UV disinfection and three sludge lagoons.

Future

When *Local Government Act 1993* Section 60 approval is received, recycled water will be reused on the Iluka Golf Course with future reuse on the sportsfields, and the reuse scheme is chlorinated. Environmental release of recycled water unable to be reused is via an ebb-tide release.

4.1.3 Yamba

Existing

The Yamba STP network services Yamba, Angourie, Wooloweyah and Oyster Channel. The network transportation includes over 30 pumps stations that convey flows to the Yamba STP. In November 2015 augmentation works undertaken to provide the STP with a greater design capacity were commissioned. The augmentation included the provision of wet weather storage, two additional IDEA tanks with diffused aeration, additional alum and caustic soda dosing, sand filtration using continuous upflow filters, UV disinfection and 4 sludge lagoons. Fixed biosolids dewatering facilities were installed in late 2011.

Augmentations to enable environmental release via an ebb-tide release were commissioned in May 2016.

Future

The Yamba STP is currently awaiting *Local Government Act 1993* Section 60 approval. When this is received recycled water will be reused on the Yamba Golf Course with possible future reuse on Angourie Road Sporting Fields, Yamba Public School, Yamba Oval and the Yamba Bowling Club. The reuse stream will be chlorinated.

As discussed in Section 3.2 above this is an urban release area at West Yamba which will yield approximately 1,198 additional residential lots to be introduced over the next 24 – 26 years⁴ requiring connection to sewerage infrastructure. It is noted that as this servicing strategy is still in draft stage there are several servicing options under consideration, each with their own associated sewerage infrastructure requirements. All infrastructure required will be provided solely by the developer.

4.1.4 North Grafton

Existing

The North Grafton STP is a biological filtration (trickling filter) plant, servicing parts of Grafton north of the Clarence River and Junction Hill. In 2010 a new inlet works and UV disinfection was constructed at this plant.

Future

When *Local Government Act 1993* Section 60 approval is received, recycled water will be reused on the Grafton Greyhound track and there is provision for future reuse on the Woodlawn

⁴ Hunter H₂O, West Yamba Urban Release Area Water Supply and Sewer Servicing Strategy, 2015, page 1.

Golf Course, Clarence River Jockey Club and Frank McGuren Park. The reuse stream will be chlorinated. Environmental release is to the Clarence River. This release is normally by gravity but where there are high river levels the release is pumped.

NSW Environmental Protection Authority (NSWEPA) has imposed Pollution Reduction Program (PRP) conditions on the North Grafton STP requiring it to be upgraded to Accepted Modern Technology (AMT) by 31 December 2027. A concept strategy report was adopted by Council on 17 February 2015 which recommends replacing the current STP with an extended aeration type STP⁵. This strategy study is currently being further developed.

CVC is currently investigating the feasibility of providing sewerage services to the town of Ulmarra in conjunction with the upgrade of the North Grafton STP. In addition, as discussed in Section 3.2 there is a development underway at Junction Hill, which will introduce an additional approximate 732 ETs⁶ to be serviced by the North Grafton STP.

4.1.5 Clarenza

Existing

The Clarenza STP services Clarenza and parts of Grafton south of the Clarence River. It is an IDEA plant with a “Port Macquarie tank” using surface aeration. The plant was augmented in 2010 with a second IDEA tank using diffused aeration, alum and caustic soda dosing, new sludge lagoons and UV disinfection, which increased capacity. Clarenza STP also accepts septic tank effluent and septage. Recycled water is currently released into a natural drainage system, which flows to the Clarence River.

Residential areas are serviced by a reticulated gravity sewer network, which drains to a wastewater pumping station (WWPS). This is transferred via a rising main to another WWPS located at the Clarenza STP.

Future

As discussed in section 3.2 above there is a future development area with an ultimate development yield of approximately 1,262 residential lots⁷ in Clarenza. It is noted that as this servicing strategy is still in draft stage there are several servicing options under consideration, each with their own associated sewerage infrastructure requirements.

⁵ NSW Public Works, North Grafton Sewerage Treatment Plant Strategy Report, 2014, page vi.

⁶ Cardno, Sketch 27, Junction Hill Overall Sewer Reticulation Concept Plan, 2001.

⁷ Hunter Water Australia, Clarence valley Council Clarenza Urban Release Water Supply and Sewer Strategy, 2013, page 4.

4.2 Existing Capital Cost

Existing assets servicing the DSP areas were included in the capital charge, except where:

- The location of the asset was unknown
- The asset was not installed by Council
- No valuation information could be sourced and there was insufficient information to estimate the capital cost using the *NSW Office of Water (formerly Ministry of Energy and Utilities) NSW Reference Rates Manual Valuation of Water Supply, Sewerage and Stormwater Assets (2014)*
- The year of construction of the asset was unknown
- The capacity of the asset was unlikely to be fully utilised over the 30-year planning horizon (and over a 50-year planning horizon for assets such as dams and outfalls). In these cases, the cost of the capacity for serving development beyond the planning horizon cannot be recovered through developer charges.
- Assets greater than 30 years old at the commencement of this DSP.

The estimated Modern Engineering Equivalent Replacement Asset (MEERA) capital cost of the existing sewerage assets serving the area covered by this DSP are provided in Section 14.

The MEERA capital costs for most of the sewerage infrastructure were provided by Clarence Valley Council. In cases where Council could not provide this information capital costs were estimated using the *NSW Office of Water (formerly Ministry of Energy and Utilities) NSW Reference Rates Manual Valuation of Water Supply, Sewerage and Stormwater Assets (2014)* in accordance with the requirements of the *2016 Developer Charges Guidelines for Water Supply, Sewerage and Stormwater (NSW DPI Office of Water, 2016)*.

4.3 Future Capital Works Program

Future assets that are expected to be required within 10 years of the commencement of this DSP were included in the capital charge. In cases where the year of construction of future assets or the specific cost or location of future assets were unknown they were not included in capital charge calculations.

Renewals to assets over 30-years old at the commencement of this DSP (and thus discounted from the existing asset category) and required within 10 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

The timing and expenditure for future sewerage capital works (including backlog works) serving the area covered by this DSP and which contributed to the capital charge are provided in Section 15. The total value of these future works was provided by CVC.

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

4.3.1 Backlog Works

Backlog works are those required to service existing dwellings without connection to sewerage services. For these works, Council will calculate the developer charge in the same manner as for other DSP areas. The calculation includes the total system capital cost (including government subsidies for backlog properties) and all ETs that the system will service (existing and new development). Only new developments are required to pay developer charges in accordance with this DSP.

4.3.2 Reticulation Works within a Development

The Developer shall be responsible for the full cost of the design and construction of sewerage works, including pump stations, within subdivisions that service only that development. The design and construction of the works shall be in accordance with Council's development specifications for sewerage services.

5. Level of Service

System design and operation are based on providing Council's current levels of service (LOS) as outlined below.

The sewerage network is required to meet CVC's current LOS outlined in the Table 5-1. CVC are currently reviewing their LOS to ensure compliance with minimum legislative requirements outlined in the *NSW Water and Sewerage Strategic Business Planning Guidelines* (NSW Office of Water, 2011). This is discussed in detail in *Clarence Valley Council Strategic Business Plan – Sewerage Services* (GHD, 2016).

Table 5-1 Current Levels of Service – Sewerage Services⁸

Service Criteria	Service Target	Compliance Measure
Availability of service	Provide point of connection for all allotments within defined service areas	Availability of point of connection for all allotments within defined service areas.
Overflow of Sewerage to the Environment		
Major Overflow	No more than 6 per year	99% compliance across system as measured from records for each event
Minor Overflow	No more than 600 per year	99% compliance across system as measured from records for each event
Response Time to System Failures		
Priority 1 (major spill)	During Working Hours: 30 minutes After Working Hours: 1 hour	
Priority 2 (moderate spill)	During Working Hours: 1 hour After Working Hours: 2 hours	
Priority 3 (minor spill)	During Working Hours: 2 hours After Working Hours: 8 hours	
Minor Problems/General Enquires		
Oral	Within 5 working days	95% compliance
Written	Within 10 working days	95% compliance
Number of Incidences Causing Complaints		
Sewerage Related Incidents	Written or telephone complaints about sewerage related incidents	Less than 50 per year
Odours	Odour should not be detectable outside buffer zone (400 meters) around treatment works	Less than 5 per year
Effluent Quality	Meet EPA licence conditions for all sewerage treatment plants	95% compliance as measured from records.

5.1 Further information

Further information on standards of service is available from:

- *Clarence Valley Council Strategic Business Plan – Sewerage Services* (GHD, 2016), which is available on Council's website.
- *NSW Water and Sewerage Strategic Business Planning Guidelines* (NSW Office of Water, 2011) (available at www.water.nsw.gov.au).

⁸ Hunter Water Australia, Clarence Valley Council Strategic Business Plan for Sewerage Services, 2006, page 15

6. Design Parameters

CVC's peak planning documents include the following:

- Draft Sewerage Asset Management Plan, Clarence Valley Council, 2015
- Integrated Water Cycle Management Simplified Strategy, Clarence Valley Council, 2009
- Clarence Valley Council Sewerage Strategic Business Plan, Clarence Valley Council 2005.

These documents determine the LOS for designing and delivering CVC's sewerage systems.

Investigation and design of sewerage system components is also based on the AUSPEC *Northern Rivers Local Government Development Design and Construction Manual, Development Design Specification D12 Sewerage System* (Clarence Valley Council et al., 2009). This refers to the following for sewerage design:

- Gravity Sewer Code of Australia, Water Services Association of Australia (WSAA), 2014
- Pumping Station Code of Australia, Water Services Association of Australia (WSAA), 2005
- Pressure Sewerage Code of Australia, Water Services Association of Australia (WSAA), 2007.

6.1 Planning and Design Parameters

The major components of the sewerage network were planned according to the following:

- Maclean Sewerage Scheme Augmentation Concept Development Report, NSW Department of Land & Water Conservation and Maclean Shire Council, 2001
- Yamba Wastewater Strategy Part 1, Geolink, 2002
- Grafton Sewerage Strategy, Grafton City Council, 2000
- Iluka Effluent Management Strategy, Maclean shire Council, 2002.

7. Calculated Developer Charges

Developer charges are up-front charges used to recover infrastructure costs incurred through the provision of services to new developments and service changes to existing developed areas. 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:

$$\text{Developer Charge} = \text{Capital Charge} - \text{Reduction Amount}$$

7.1 Summary

The developer charges for the area covered by this DSP are as follows:

Table 7-1 Summary of Developer Charges

DSP Name	Capital Charge (\$ / ET)	Reduction Amount (\$ / ET)	Calculated Maximum Developer Charge (\$ / ET)	Adopted Developer Charge (\$ / ET)
Woodford Island and Iluka	\$18,786	\$557	\$18,229	\$11,516
Yamba	\$12,073	\$557	\$11,516	\$11,516
North Grafton and Clarenza	\$6,993	\$557	\$6,435	\$6,435

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

Background information containing all the critical data including calculation models behind this DSP is available from Council's offices by appointment. To review these documents, please contact Council on (02) 6643 0200.

7.2 Service Areas

Developer charges were initially calculated for a number of different service areas within the CVC LGA. This service areas considered are detailed in Table 7-2 below. Refer to Section 2.2 for more information on the area covered by each DSP.

Table 7-2 Service Areas

Service Area	Basis of determining the service area
Woodford Island	This area is serviced by a separate STP.
Iluka	This area is serviced by a separate STP.
Yamba	This area is serviced by a separate STP.
North Grafton	This area is serviced by a separate STP.
Clarenza	This area is serviced by a separate STP.

7.3 Equivalent Tenements

The basis of the future development throughout the CVC LGA has been adopted from information provided by CVC.

The projected future development areas and dwelling increases across the Council Government area, based on:

- Areas assumed for future land release
- Potential for Infill Development.

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 detailed ET projection methodology, including reference sources and assumptions, is included in Section 13.

ET projections for each service area are provided in Table 7-3.

Table 7-3 Summary of ET Projections for Each Service Area

Year	Number of ET's				
	Woodford Island	Iluka	Yamba	North Grafton	Clarenza
1995/96	2,097	862	3,093	3,852	2,454
2015/16	2,627	1,084	2,619	4,100	3,355
2016/17	2,639	1,093	2,643	4,116	3,369
2017/18	2,651	1,103	2,689	4,133	3,382
2018/19	2,662	1,113	2,743	4,149	3,396
2019/20	2,674	1,123	2,768	4,166	3,409
2020/21	2,686	1,133	2,793	4,183	3,423
2021/22	2,699	1,143	2,818	4,199	3,437
2022/23	2,711	1,154	2,843	4,216	3,450
2023/24	2,723	1,164	2,869	4,233	3,464
2024/25	2,735	1,175	2,894	4,250	3,478
2025/26	2,747	1,185	2,921	4,267	3,492
2026/27	2,760	1,196	2,947	4,284	3,506
2027/28	2,772	1,207	2,973	4,301	3,520
2028/29	2,785	1,217	3,000	4,318	3,534
2029/30	2,797	1,228	3,027	4,336	3,548
2030/31	2,810	1,239	3,054	4,353	3,562
2031/32	2,822	1,251	3,082	4,370	3,577
2032/33	2,835	1,262	3,110	4,388	3,591
2033/34	2,848	1,273	3,138	4,405	3,605
2034/35	2,861	1,285	3,166	4,423	3,620
2035/36	2,874	1,296	3,194	4,441	3,634
2036/37	2,887	1,308	3,223	4,458	3,649
2037/38	2,900	1,320	3,252	4,476	3,663
2038/39	2,913	1,332	3,281	4,494	3,678
2039/40	2,926	1,344	3,311	4,512	3,693
2040/41	2,939	1,356	3,341	4,530	3,707
2041/42	2,952	1,368	3,371	4,548	3,722
2042/43	2,965	1,380	3,401	4,566	3,737
2043/44	2,979	1,393	3,432	4,585	3,752
2044/45	2,992	1,405	3,463	4,603	3,767
2045/46	3,006	1,418	3,494	4,621	3,782

7.3.1 Future Development Areas

A number of key development areas, identified for future land supply in the CVC LGA, have been included in this DSP for the purposes of determining infrastructure capacity and works within the plan. These areas include the proposed development sites at Clarenza, Junction Hill, Yamba, Gulmarrad and James Creek discussed in Section 3.2 above.

7.4 Capital Charge

The capital charge for each service area covered by this DSP has been calculated using the net present value (NPV) spreadsheet method which is considered to be the best practice method.

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

The calculation of the capital charge is summarised in tables presented in Section 16. A summary of the capital charge calculations prior to any agglomeration or cross-subsidy is shown in Table 7-4 below.

Table 7-4 Capital Charge Calculation – Before Agglomeration

Service Area	PV of New ETs for pre-1996 assets @ 3%	PV of New ETs for post-1996 assets @ 5%	PV of capital cost from pre-1996 assets @ 3%	PV of capital cost from post-1996 assets @ 5%	Capital charge for pre-1996 assets	Capital charge for post-1996 assets	Capital charge per ET (\$ / ET)
Woodford Island	\$260	\$211	\$30,675	\$3,935,995	\$118	\$18,707	\$18,842
Iluka	\$227	\$183	\$0	\$3,413,847	\$0	\$18,742	\$18,742
Yamba	\$610	\$500	\$0	\$3,008,338	\$0	\$12,073	\$12,073
North Grafton	\$358	\$291	\$429,319	\$900,116	\$1,198	\$6,249	\$7,446
Clarenza	\$293	\$238	\$579,512	\$1,059,231	\$1,976	\$4,463	\$6,438

7.5 DSP Areas

The 2016 Developer Charges Guidelines for Water Supply, Sewerage and Stormwater (NSW DPI Office of Water, 2016) permit the agglomeration of service areas which have capital charges that are within 30% of each other. Agglomeration is intended to minimise the number of different developer charges within the LGA. The process of identifying service areas which may be agglomerated is summarised in Table 7-5 below.

Table 7-5 Agglomeration of Service Areas

Service Area	Capital Charge (\$ / ET)	Percentage of highest capital charge DSP Area A	Percentage of highest capital charge DSP Area B	Percentage of highest capital charge DSP Area C
Woodford Island	\$18,824	100%		
Iluka	\$18,742	99%		
Yamba	\$12,073	64%	100%	
North Grafton	\$7,446	40%	62%	100%
Clarenza	\$6,438	34%	53%	86%

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

Table 7-6 Weighted Average Capital Charge

DSP Area	Service Area	Capital Charge for each service area (\$ / ET)	New ETs in service area (ET)	PV of new ETs in service area	% of PV of new ETs in DSP area	Weighted component of the capital charge for each DSP area (\$ / ET)	Weighted capital charge for each DSP area (\$ / ET)	Weighted average capital charge (\$ / ET)
A	Woodford Island	\$18,824	392	\$211	54%	\$10,076	\$18,786	
	Iluka	\$18,742	347	\$183	46%	\$8,710		
	Total DSP Area A			\$393	100%	\$18,786		
B	Yamba	\$12,073	906	\$500	100%	\$12,073	\$12,073	
	Total DSP Area B			\$500	100%	\$12,073		
C	North Grafton	\$7,446	540	\$291	55%	\$4,095	\$6,993	
	Clarenza	\$6,438	442	\$238	45%	\$2,898		
	Total DSP Area C			\$528	100%	\$6,993		
Total				\$2,627	\$1,422			\$12,043

7.6 Reduction Amount

The reduction amount is defined as the NPV of the future net income expected from providing sewer-related services to the new residents in the DSP area.

CVC has adopted the NPV of Annual Bills method to calculate the reduction amount, as per the 2016 Developer Charges Guidelines for Water Supply, Sewerage and Stormwater (NSW DPI Office of Water, 2016). This method involves calculation of the PV of the future net income, which is the difference between the revenue from annual bills, and annual operations, maintenance and administration (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 amounts have been calculated for the agglomerated DSP areas and are shown in Section 17. A summary of adopted values contributing to the reduction amount is shown below and a summary table is provided in Table 7-7.

- Discount Rate for post-1996 assets = 5% pa⁹
- Annual bill at the commencement of the DSP = \$1,092 per ET
- OMA cost at the commencement of the DSP = \$526 per ET
- Net income = Annual bill – OMA cost (as above) = \$566 per ET.

⁹ NSW DPI Office of Water, 2016 Developer Charges Guidelines for Water Supply, Sewerage and Stormwater, 2016, page v

Table 7-7 Reduction Amount

Year	Total ETs	New ETs	PV of New ETs	Cumulative New ETs	Net Income from New ETs (\$)	PV of Net Income From New ETs	Reduction Amount (\$ per ET)
1995/96	12,851						
2015/16	14,303						
2016/17	14,378	75	1,376	75	42,430	766,628	557
2017/18	14,476	98		173	97,945		
2018/19	14,582	106		279	157,894		
2019/20	14,658	77		356	201,400		
2020/21	14,736	77		433	245,182		
2021/22	14,814	78		511	289,241		
2022/23	14,892	78		589	333,581		
2023/24	14,971	79		668	378,201		
2024/25	15,050	79		748	423,106		
2025/26	15,130	80		827	468,296		
2026/27	15,210	80		908	513,775		
2027/28	15,291	81		989	559,543		
2028/29	15,373	81		1,070	605,603		
2029/30	15,454	82		1,152	651,958		
2030/31	15,537	82		1,234	698,609		
2031/32	15,620	83		1,317	745,559		
2032/33	15,703	83		1,401	792,809		
2033/34	15,787	84		1,485	840,362		
2034/35	15,872	85		1,569	888,220		
2035/36	15,957	85		1,654	936,386		
2036/37	16,043	86		1,740	984,862		
2037/38	16,129	86		1,826	1,033,649		
2038/39	16,216	87		1,913	1,082,751		
2039/40	16,303	87		2,000	1,132,169		
2040/41	16,391	88		2,088	1,181,906		
2041/42	16,479	88		2,177	1,231,964		
2042/43	16,568	89		2,266	1,282,346		
2043/44	16,658	90		2,355	1,333,054		
2044/45	16,748	90		2,445	1,384,090		
2045/46	16,839	91		2,536	1,435,457		
2046/47	16,930	91		2,627	1,487,158		

7.7 Cross-Subsidy

The calculated developer charges are the maximum value that may be levied by a water utility. In accordance with *2016 Developer Charges Guidelines for Water Supply, Sewerage and Stormwater* (NSW DPI Office of Water 2016), a utility may elect to levy less than the calculated amounts.

The cross-subsidy is the percentage difference between the annual bill with the calculated maximum developer charge and the proposed lower developer charge.

Only pre-2012/13 assets can be cross-subsidised with annual bills. Costs of post-2012/13 assets should be fully recovered through developer charges. Accordingly, developer charges were recalculated with written down costs of existing assets for a number of service areas.

Council has elected to levy less than the calculated developer charges for the Woodford Island and Iluka DSP Area, which will result in a cross-subsidy from existing customers. The Woodford Island and Iluka DSP Area and the Yamba DSP Area operate separately but are both part of a greater 'Lower River' Area. A common developer charge across the 'Lower River' Area would reduce community confusion and to simplify administration

The impact of the cross-subsidy applied to the Woodford Island and Iluka DSP Area on a typical residential bill is expected to be an increase of \$62.24.

Two options were developed and examined as follows:

- Option 1 – No cross-subsidy – Calculated maximum developer charge adopted
- Option 2 – 36.35% reduction to weighted average developer charge.

A summary of the developer charges options and cross-subsidy are shown in Table 7-8.

Table 7-8 Developer Charges Options and Cross-Subsidy

	DSP Area	Service Area	PV of new ETs over 30 years	Calculated Developer Charge per ET (\$)	Weighted Component of Developer Charge (\$)	Weighted Average Developer Charge per ET (\$)	Weighted Average Subsidy to Developer Charge per ET (\$)
Option 1 – No Cross-subsidy	A	Woodford Island	393	18,229	5,043	11,486	Nil
		Iluka					
	B	Yamba	500	11,516	4,052		
	C	North Grafton	528	6,435	2,391		
		Clarenza					
Option 2 – 36.35% reduction to weighted average developer charge	A	Woodford Island	393	11,516	3,186	9,629	1,857
		Iluka					
	B	Yamba	500	11,516	4,052		
	C	North Grafton	528	6,435	2,391		
		Clarenza					

The impact of cross-subsidies on the annual sewerage bill for each option is shown in Table 7-9 below.

Table 7-9 Impact of Cross-Subsidies on Annual Bill

Option	Required Annual Water Supply Bill per ET	Resulting Increase in Annual Sewerage Bill (%)
1 – No Cross-subsidy	\$1,092	Nil
2 - Adopted Cross-subsidy	\$1,155	5.7%

The impact of the developer charge options on the TRB is illustrated in Figure 7-1 below.

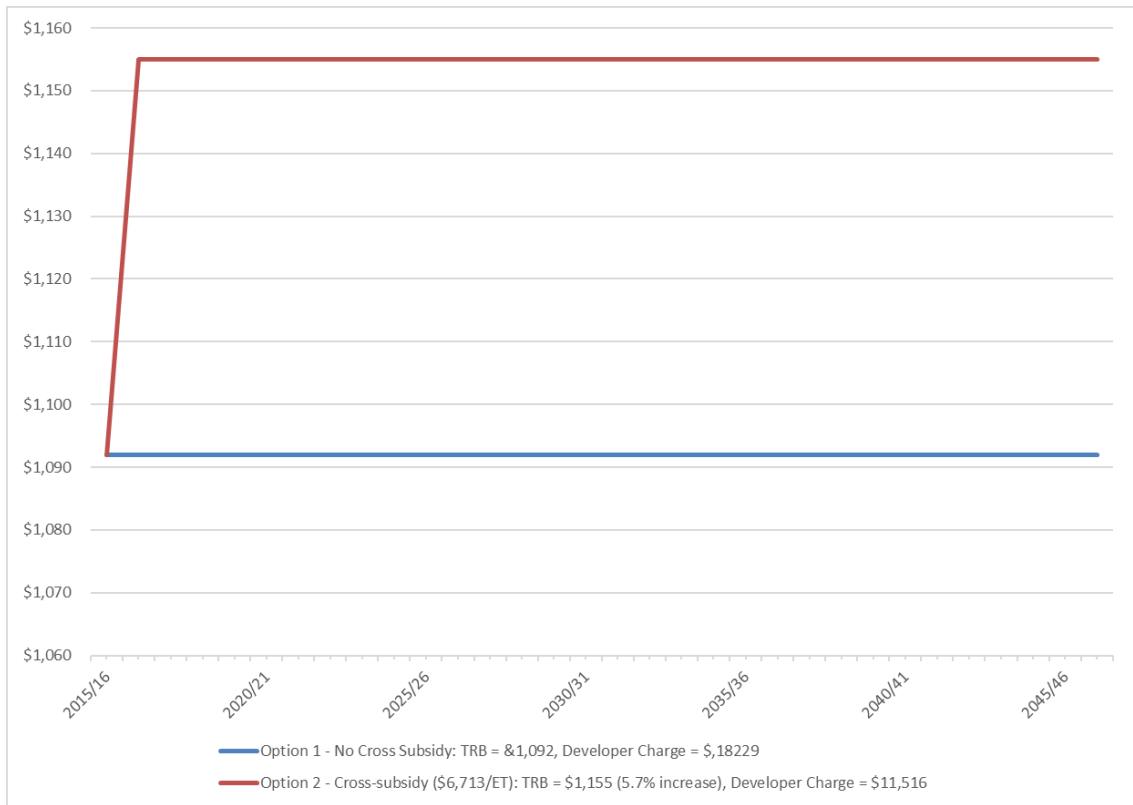


Figure 7-1 Impact of Developer Charge Options of TRB

8. Reviewing / Updating of Calculated Developer Charges

In line with the *2016 Developer Charges Guidelines for Water Supply, Sewerage and Stormwater* (NSW DPI Office of Water, 2016) the developer charges relating to this DSP will be reviewed after a period of 4 to 8 years from the implementation of this plan. If the review indicates that the developer charges in this DSP are still applicable this DSP will apply for a further five years once the Council releases a public notice to this effect. However, if the developer charges in this DSP are found to no longer apply and it is believed that a new DSP is warranted, a new DSP shall be prepared, audited, exhibited and registered.

If a major change occurs, such as a requirement for significant capital works, which was not considered in the DSP, Council may carry out a review in less than 4 years, subject to NOW approval. If the review identifies that a new DSP is required, the new DSP must to be prepared, audited, exhibited and registered.

In the period between any review developer charges will be adjusted annually on 1st July on the basis of movements in the Consumer Price Index (CPI) for Sydney, in the preceding 12 months to December, excluding the impact of Goods and Services Tax (GST).

9. Reference Documents

Background information and calculations relating to this DSP are contained in the following documents:

1. 2011 Australian Census, Australian Bureau of Statistics, 2011
2. Sketch 27, Junction Hill Overall Sewer Reticulation Concept Plan, Cardno, 2001
3. Clarence Valley Local Environmental Plan, Clarence Valley Council, 2011
4. Northern Rivers Local Government Development Design and Construction Manual, Development Design Specification D12 Sewerage System, Clarence Valley Council, et al, 2009
5. Yamba Wastewater Strategy Part 1, Geolink, 2002
6. Clarence Valley Council Sewerage Strategic Business Plan, GHD, 2016
7. West Yamba Urban Release Area Water Supply and Sewer Servicing Strategy, HunterH2O, 2015
8. Clarence Urban Release Water Supply and Sewer Strategy, Hunter Water Australia, 2013
9. Clarence Valley Council Development Servicing Plans for Sewerage Services, Hunter Water Australia, 2005
10. Clarence Valley Council Sewerage Strategic Business Plan, Hunter Water Australia, 2006
11. Maclean Sewerage Scheme Augmentation, NSW Department of Land & Water Conservation and Maclean Shire Council, 2001
12. 2016 Developer Charges Guidelines for Water Supply, Sewerage and Stormwater, NSW Department of Primary Industries Office of Water, 2016
13. NSW Reference Rates Manual – Valuation of Water Supply, Sewerage and Stormwater Assets, NSW Government Office of Water, Ministry of Energy and Utilities, 2003 with amendments in 2010
14. NSW Water and Sewerage Strategic Business Planning Guidelines. NSW Office of Water, 2011
15. North Grafton Sewage Treatment Plan Strategy Report, NSW Public Works, 2014
16. Section 64 Determinations of Equivalent Tenements Guidelines, Water Directorate, May 2009 Addendum
17. Gravity Sewer Code of Australia, Water Services Association of Australia, 2014
18. Pressure Sewerage Code of Australia, Water Services Association of Australia, 2007
19. Pumping Station Code of Australia, Water Services Association of Australia, 2005
20. Grafton Sewerage Strategy, Grafton City Council, 2000
21. Iluka Effluent Management Strategy, Maclean shire Council, 2002
22. Excel spreadsheets used in calculating developer charges

These documents contain more detailed reference information relevant to the derivation of the developer charges.

The following documents are still in draft form and are not currently available to the public for viewing:

1. West Yamba Urban Release Area Water Supply and Sewer Servicing Strategy, HunterH₂O, 2015
2. Clarenza Urban Release Water Supply and Sewer Strategy, Hunter Water Australia, 2013

All other documents can be reviewed in Council's offices by appointment. To review the documents, please contact Council on (02) 6643 0200.

10. Other DSP's and Related Plans

Other DSP's and related plans include:

- Clarence Valley Council Development Servicing Plan – Water Supply Services, GHD, 2016.

Clarence Valley Council also levies developer contributions for various public amenities under Section 94 of the *Environmental Planning and Assessment Act, 1979*.

11. Glossary

ADWF	Average Dry Weather Flow
AMT	Accepted Modern Technology
Capital Cost	The Present Value (MEERA basis) of assessment used to service the development.
Capital Charge	The capital cost per ET.
CPI	Consumer Price Index
CVC	Clarence Valley Council
Developer Charge	A charge levied on Developers to recover part of the capital cost incurred in providing infrastructure to a new development.
Discount Rate	The rate used to calculate the present value of money arising in the future.
DSP	Developer Servicing Plan
DCP	Development Control Plan
EP	Equivalent Person
EPA	Environmental Protection Authority
ET	Equivalent Tenement
et al.	et alia
EWON	Energy and Water Ombudsman
FU	Fixture Unit
GCC	Grafton City Council
GST	Goods and Services Tax
i.e.	id est
IDEA	Intermittently Decanted Extended Aeration
IPART	Independent Pricing and Regulatory Tribunal
LEP	Local Environmental Plan
LGA	Local Government Area
LOS	Level of Service
MEERA	Modern Equivalent Engineering Replacement Asset
NPV	Net Present Value
NSW DPI	NSW Department of Primary Industries
OMA	Operation, maintenance and administration (cost)
Post 1996 Asset	An Asset that was commissioned by a water utility on or after 1 January 1996 or that is yet to be commissioned
Pre-1996 Asset	An Asset that was commissioned by a water utility before 1 January 1996

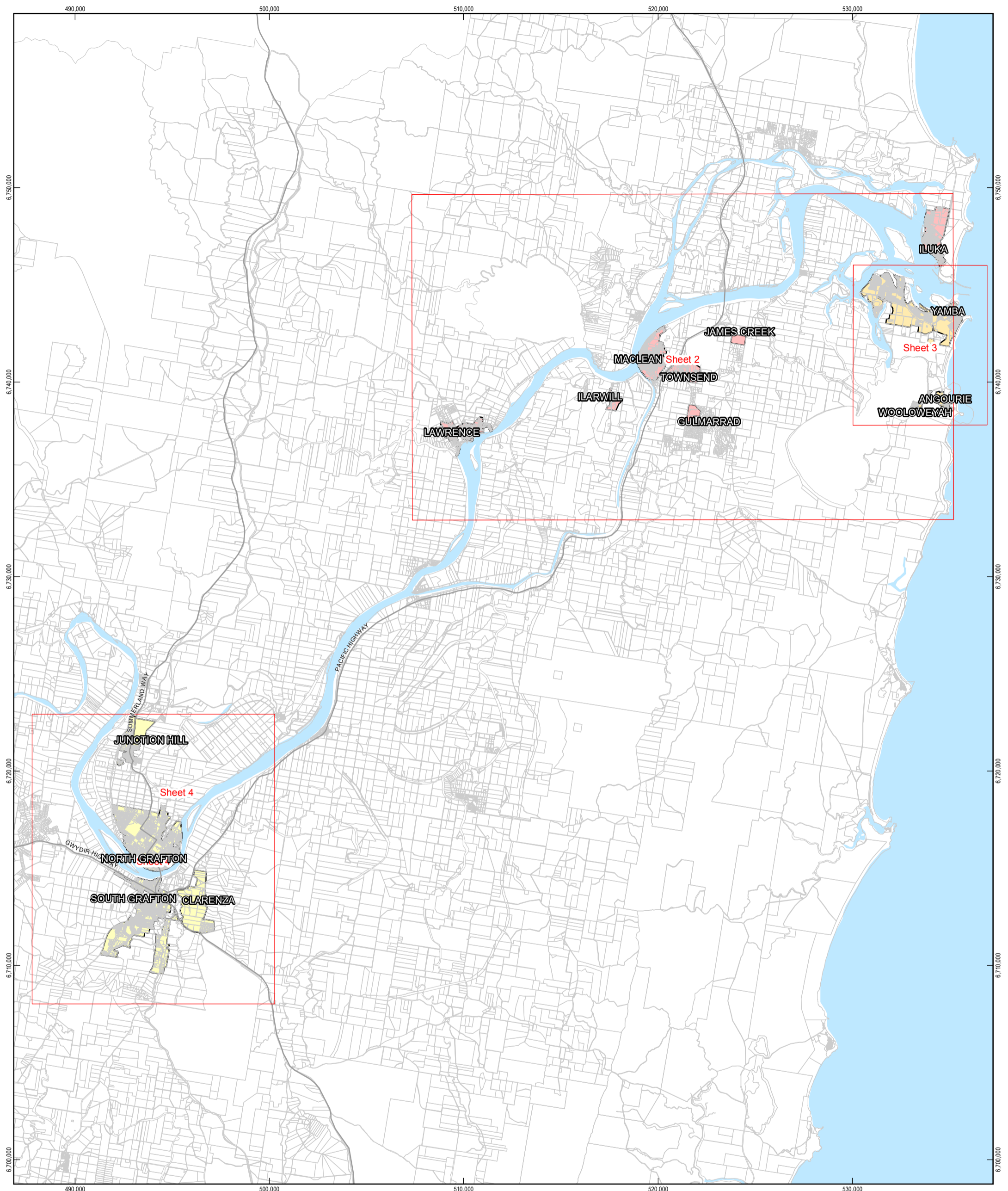
PRP	Pollution Reduction Program
PV	Present Value. The value now of money, or ETs, in the future.
Reduction Amount	The amount by which the capital charge is reduced to arrive at the developer charge. The amount reflects the present value of the capital contributions that will be paid by the occupier of a development as part of future annual charges discounting OMA costs.
Service Area	An area served by a separate water supply system, an area served by a separate sewerage treatment works, a separate small town or village, or a new development of over 500 lots.
STP	Sewerage Treatment Plant
UV	Ultraviolet
WICA	Water Industry Competition Act
WSAA	Water Services Association of Australia
WWPS	Wastewater Pumping Station
WWTP	Wastewater Treatment Plant

12. DSP Areas

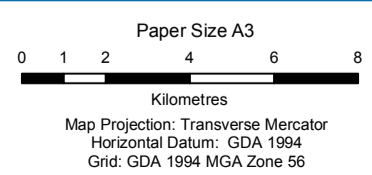
Table 12-1 provides an index to the figures defining the DSP areas provided in this Section. Each figure indicates the boundaries of the DSP area.

Table 12-1 Summary of DSP Area Maps for Sewerage Infrastructure

Figure Number	Scheme	Locality	DSP Area
Figure 12-1	Wastewater	Clarence Valley	All DSP Areas
Figure 12-2	Wastewater	Lawrence, Ilarwil, Maclean, Townsend, Iluka	DSP Area A
Figure 12-3	Wastewater	Angourie, Yamba, Wooloweyah	DSP Area B
Figure 12-4	Wastewater	Junction Hill, Grafton, South Grafton, Clarenza	DSP Area C



- LEGEND**
- Major Road
 - Cadastral Boundary
 - DSP Area A
 - DSP Area B
 - DSP Area C
 - Oceans and Waterways

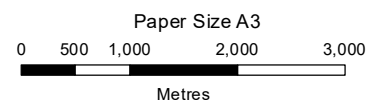


Clarence Valley Council
Development Servicing Plan – Sewerage

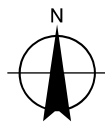
Job Number 22-18238
Revision 0
Date 15 Aug 2017

Development Servicing Plan Areas Sewerage Overview



Figure 11-1



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



LEGEND

-  Cadastral Boundary
-  DSP Area A

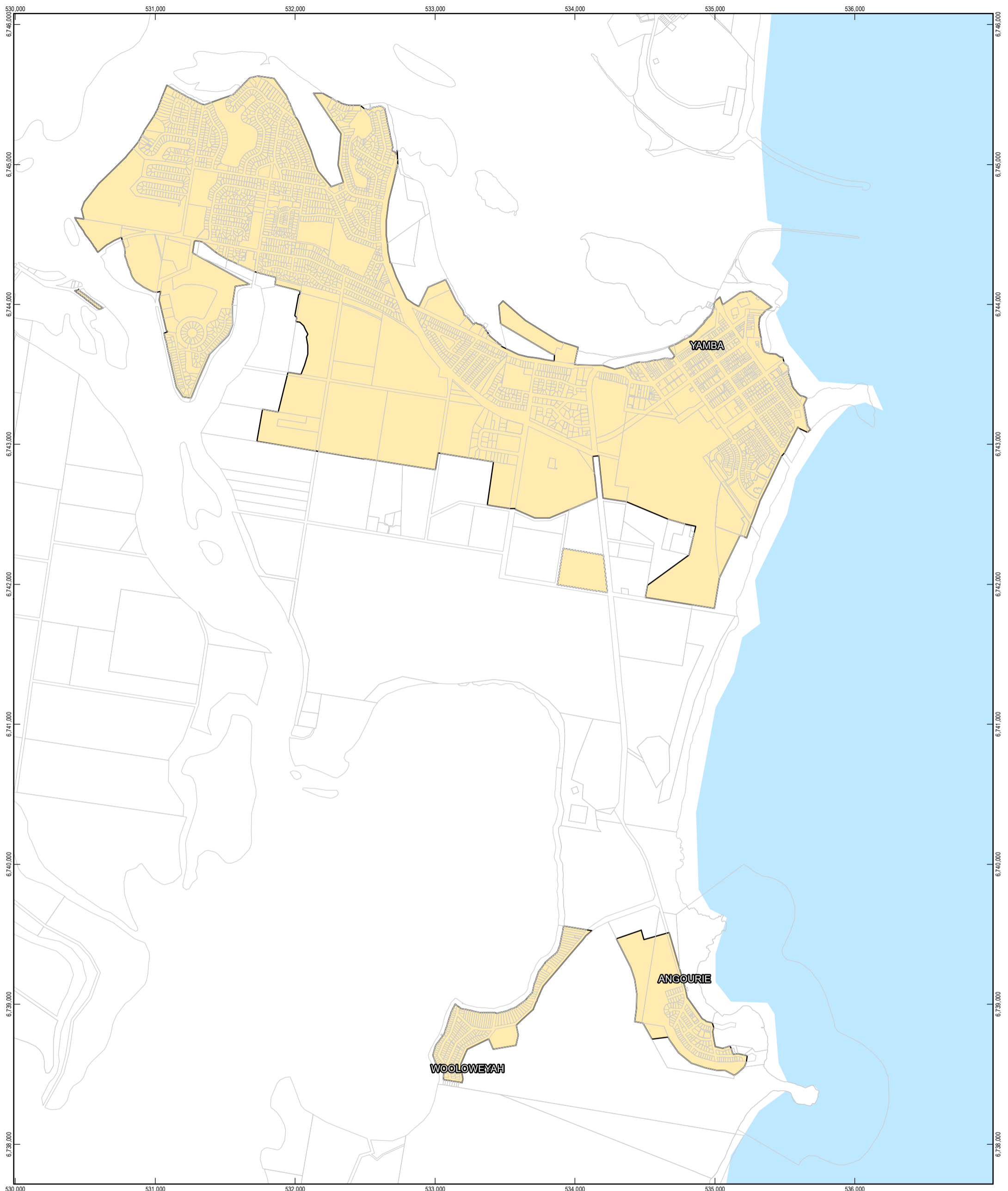




Clarence Valley Council
Development Servicing Plan - Sewerage

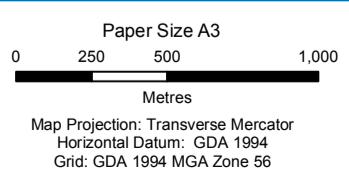
DSP Area A
Lawrence, Maclean, Townsend, Iluka
James Creek, Gulmarrad, Ilarwil

Job Number	22-18238
Revision	1
Date	24 Apr 2019

Figure 11-2



- LEGEND**
-  Cadastral Boundary
 -  DSP Area B

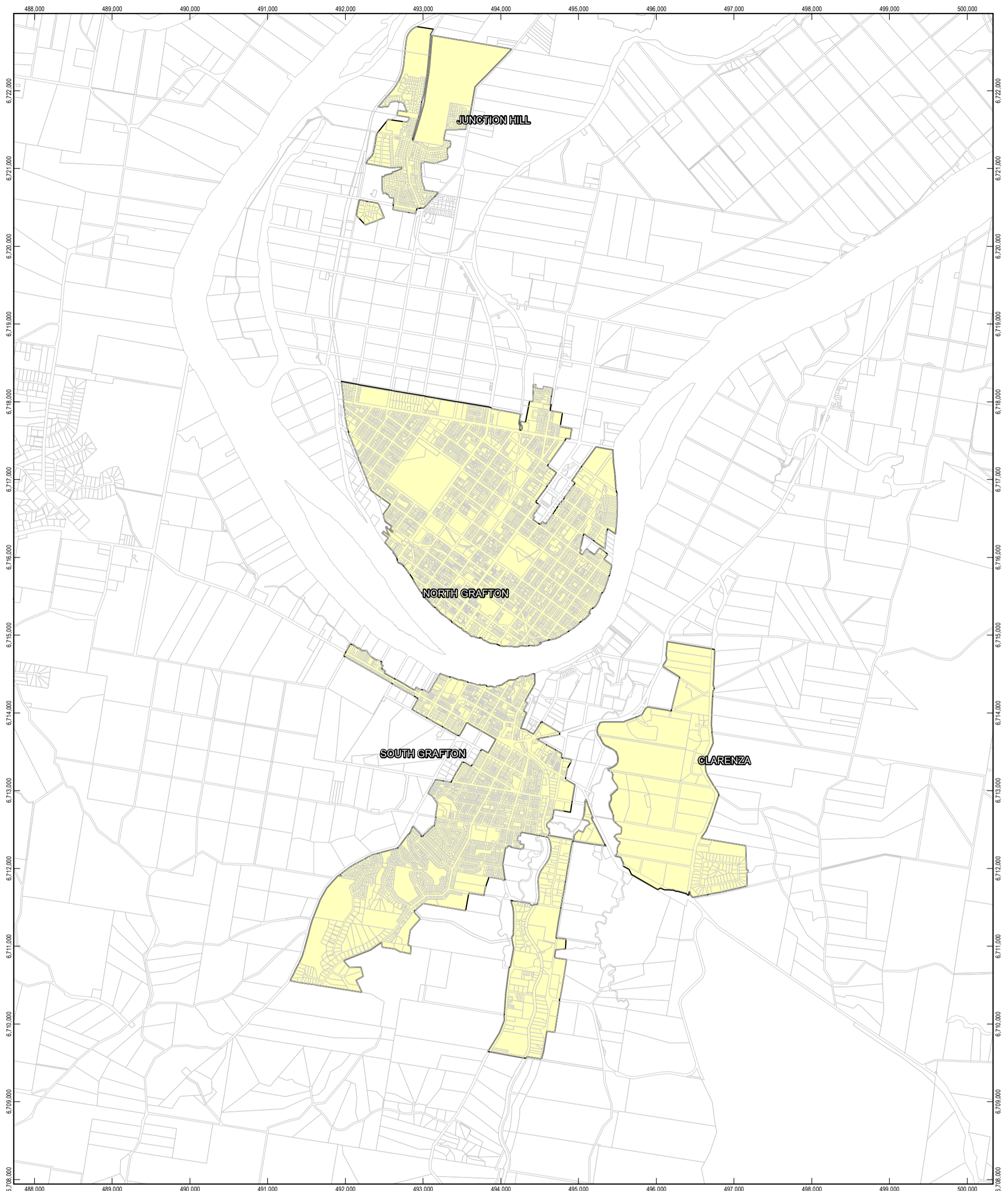


Clarence Valley Council
Development Servicing Plan – Sewerage


Job Number | 22-18238
Revision | 0
Date | 15 Aug 2017


DSP Area B
Yamba, Angourie, Wooloweyah

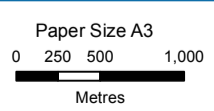
Figure 11-3



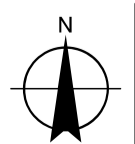
LEGEND

 Cadastral Boundary

 DSP Area C



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



Clarence Valley Council
 Development Servicing Plan – Sewerage

Job Number | 22-18238
 Revision | 0
 Date | 15 Aug 2017

DSP Area C
North Grafton, Clarenza, Junction Hill, South Grafton Figure 11-4

13. ET Projections

13.1 ET Projection Calculations

At the time of publishing this policy *Section 64 Determinations of Equivalent Tenements Guidelines* (Water Directorate, May 2009 Addendum) is the current industry guideline guidelines that define the number of ETs for common development types.

The draft servicing strategies for both Clarenza and West Yamba did not provide sufficient information on the nature of each proposed lot to enable these guidelines to be used. In both cases the additional ET was back calculated using the projected Average Dry Weather Flow (ADWF) for the development, the equivalent sewer loading from an average person during ADWF stipulated in Council's D12 document and the average EP/ET ratio for the development. It was found that the resulting ET was equal to the total residential lots introduced by each development (1,262 and 1,198 for the Clarenza and West Yamba urban release areas respectively).

The only information on the development in the Junction Hill urban release area was a sketch of the overall sewer reticulation concept plan. This sketch identified the total number of ET resulting from the development. This value was adopted for the developer charge calculations as there was insufficient information to enable the use of *Section 64 Determinations of Equivalent Tenements Guidelines* (Water Directorate, May 2009 Addendum).

No information was provided on the nature or extent of the any other future development including development in the Gulmarrad and James Creek urban release area. The expected increase in future ET was calculated using the methodology described below as there was insufficient information to enable the use of *Section 64 Determinations of Equivalent Tenements Guidelines* (Water Directorate, May 2009 Addendum).

13.1.1 Background

Background information provided to inform the population projection calculations included the following:

- 2011 Australian Census, Australian Bureau of Statistics, 2011.

13.1.2 Assumptions

The following assumptions were made to produce the estimated population projections:

- Occupancy ratios identified in the 2011 Australian Census assumed to be constant after 2011
- All residential properties identified from Australian Census information are connected to sewerage services
- Each connected property and lot is assumed to equal 1 ET in lieu of better information
- Annual percentage change in the number of connected properties is consistent with the annual growth rate
- The ratio of non-residential to residential connections is constant at 7% for sewerage (the approximate constant annual ratio from 2010 - 2015) from 2010 – 2046
- A linear growth rate for the total population of 0.5% after 2015.

13.1.3 Methodology

The 2011 populations and occupancy ratios for each serviced town was identified by reviewing 2011 Australian Census information. It was assumed that occupancy ratios in each town would remain constant after 2011 in lieu of more recent information.

CVC provided a summary of sewer assessments from 2010 to 30 June 2015. These assessments indicate the number of residential and non-residential properties connected to water supply and sewerage services.

It was assumed that each connected property was equivalent to 1 ET. This was due to lack of detailed intra-catchment service information related to sewer average dry weather flow which would be required to determine the relationship between the number of connected properties and the number of ET.

The annual percentage changes in the number of connected properties was calculated and assumed to be equal to the annual population growth rates from 2010 – 2015. These growth rates were applied to the 2011 population to estimate the 2015 residential population values.

The occupancy ratios were then applied to the 2015 population figures to determine the number of connected properties in each town in 2015.

The assessment summary provided by CVC indicated that the ratio of non-residential connections to residential connections was approximately constant at 7% each year for sewerage over the 5 years reflected. It was assumed that this ratio would remain constant after 2015.

To reflect the non-residential connections additional to the 2015 residential lots identified for each service area was increased by 7 %.

The sum of the calculated connected properties was compared to the number of connected properties identifies in CVC's assessments summary. It was found that there was a discrepancy, with the total number of lots calculated being less than those indicated in CVC's assessment summary. It was thought that this may be a result of basing the calculations on information from the 2011 Australian Census due to the potential for properties to be unoccupied at the time of census collection period. The additional connected properties were distributed across each town on a pro rata basis.

Following advice from CVC it was assumed that after 2015 there was a linear annual population growth of 0.5% across the overall DSP service area to the end of projection period. It was assumed that all of the growth would take place in serviced areas.

The distribution of annual growth was completed in consultation with CVC and considered CVC's future planning and development projections as well as current development trends.

Minimal growth is expected to occur in the town of Coutts Crossing in the DSP period (2016 – 2046).

The projected population growths of Yamba and Iluka have recently been considered by CVC during the planning of the Iluka STP construction (completed in 2013) and the recent augmentations to the Yamba STP (commissioned in November 2015). It was expected that both towns would experience a linear population growth of 0.9% over the 30 year DSP period.

Both North Grafton and Clarenza were expected to experience a linear population growth of 0.4%. This equated to North Grafton and Clarenza experiencing approximately 20% and 16% of the overall population growth respectively.

The remainder of the overall population growth was assumed to occur in Woodford Island. This resulting in an assumed linear population growth of 0.5% pa in the Woodford Island service area.

A summary of ET projections is provided in Table 13-1 to Table 13-5.

Table 13-1 Summary of ET Projections – Woodford Island

Year	Total ET	New ET per Year
2015/16	2,627	
2016/17	2,639	12
2017/18	2,651	12
2018/19	2,662	12
2019/20	2,674	12
2020/21	2,686	12
2021/22	2,699	12
2022/23	2,711	12
2023/24	2,723	12
2024/25	2,735	12
2025/26	2,747	12
2026/27	2,760	12
2027/28	2,772	12
2028/29	2,785	12
2029/30	2,797	13
2030/31	2,810	13
2031/32	2,822	13
2032/33	2,835	13
2033/34	2,848	13
2034/35	2,861	13
2035/36	2,874	13
2036/37	2,887	13
2037/38	2,900	13
2038/39	2,913	13
2039/40	2,926	13
2040/41	2,939	13
2041/42	2,952	13
2042/43	2,965	13
2043/44	2,979	13
2044/45	2,992	13
2045/46	3,006	13
2046/47	3,019	14
TOTAL		392

Table 13-2 Summary of ET Projections – Iluka

Year	Total ET	New ET per Year
2015/16	1,084	
2016/17	1,093	10
2017/18	1,103	10
2018/19	1,113	10
2019/20	1,123	10
2020/21	1,133	10
2021/22	1,143	10
2022/23	1,154	10
2023/24	1,164	10
2024/25	1,175	10
2025/26	1,185	11
2026/27	1,196	11
2027/28	1,207	11
2028/29	1,217	11
2029/30	1,228	11
2030/31	1,239	11
2031/32	1,251	11
2032/33	1,262	11
2033/34	1,273	11
2034/35	1,285	11
2035/36	1,296	12
2036/37	1,308	12
2037/38	1,320	12
2038/39	1,332	12
2039/40	1,344	12
2040/41	1,356	12
2041/42	1,368	12
2042/43	1,380	12
2043/44	1,393	12
2044/45	1,405	13
2045/46	1,418	13
2046/47	1,431	13
TOTAL		347

Table 13-3 Summary of ET Projections – Yamba

Year	Total ET	New ET per Year
2015/16	2,619	
2016/17	2,643	24
2017/18	2,689	46
2018/19	2,743	54
2019/20	2,768	25
2020/21	2,793	25
2021/22	2,818	25
2022/23	2,843	25
2023/24	2,869	26
2024/25	2,894	26
2025/26	2,921	26
2026/27	2,947	26
2027/28	2,973	27
2028/29	3,000	27
2029/30	3,027	27
2030/31	3,054	27
2031/32	3,082	27
2032/33	3,110	28
2033/34	3,138	28
2034/35	3,166	28
2035/36	3,194	28
2036/37	3,223	29
2037/38	3,252	29
2038/39	3,281	29
2039/40	3,311	30
2040/41	3,341	30
2041/42	3,371	30
2042/43	3,401	30
2043/44	3,432	31
2044/45	3,463	31
2045/46	3,494	31
2046/47	3,525	31
TOTAL		906

Table 13-4 Summary of ET Projections – North Grafton

Year	Total ET	New ET per Year
2015/16	4,100	
2016/17	4,116	16
2017/18	4,133	16
2018/19	4,149	17
2019/20	4,166	17
2020/21	4,183	17
2021/22	4,199	17
2022/23	4,216	17
2023/24	4,233	17
2024/25	4,250	17
2025/26	4,267	17
2026/27	4,284	17
2027/28	4,301	17
2028/29	4,318	17
2029/30	4,336	17
2030/31	4,353	17
2031/32	4,370	17
2032/33	4,388	17
2033/34	4,405	18
2034/35	4,423	18
2035/36	4,441	18
2036/37	4,458	18
2037/38	4,476	18
2038/39	4,494	18
2039/40	4,512	18
2040/41	4,530	18
2041/42	4,548	18
2042/43	4,566	18
2043/44	4,585	18
2044/45	4,603	18
2045/46	4,621	18
2046/47	4,640	18
TOTAL		540

Table 13-5 Summary of ET Projections – Clarenza

Year	Total ET	New ET per Year
2015/16	3,355	
2016/17	3,369	13
2017/18	3,382	13
2018/19	3,396	14
2019/20	3,409	14
2020/21	3,423	14
2021/22	3,437	14
2022/23	3,450	14
2023/24	3,464	14
2024/25	3,478	14
2025/26	3,492	14
2026/27	3,506	14
2027/28	3,520	14
2028/29	3,534	14
2029/30	3,548	14
2030/31	3,562	14
2031/32	3,577	14
2032/33	3,591	14
2033/34	3,605	14
2034/35	3,620	14
2035/36	3,634	14
2036/37	3,649	15
2037/38	3,663	15
2038/39	3,678	15
2039/40	3,693	15
2040/41	3,707	15
2041/42	3,722	15
2042/43	3,737	15
2043/44	3,752	15
2044/45	3,767	15
2045/46	3,782	15
2046/47	3,797	15
TOTAL		442

14. Existing Capital Costs

A summary of assets and MEERA values are presented in Table 14-1 to Table 14-8.

Table 14-1 Existing Sewerage Treatment Plants (contributing to Capital Charge)

Asset Category	Asset ID	Asset Name	Segment Name	Description	Development Area Name	Development Area	Valuation Year	Gross (2015\$)	Gross (2015\$) - Adjusted	Construction Year	Pre or Post 1996 Asset	Capital Charge (2016\$)
Sewerage Treatment Plants	CVC-STP-001	Clarenza Sewerage Treatment Plant	Inlet Works	Inlet Grit Channel and Vortex Chamber Structure	Clarenza	B	2015	1,161,325	1,161,325	2010	POST	50,736
Sewerage Treatment Plants	CVC-STP-002	Clarenza Sewerage Treatment Plant	Inlet Works	Step Screen	Clarenza	B	2015	82,416	82,416	2010	POST	3,601
Sewerage Treatment Plants	CVC-STP-003	Clarenza Sewerage Treatment Plant	Inlet Works	Screen press	Clarenza	B	2015	51,510	51,510	2010	POST	2,250
Sewerage Treatment Plants	CVC-STP-004	Clarenza Sewerage Treatment Plant	Inlet Works	Step Screen & Screen Press Field Termination Pannel	Clarenza	B	2015	10,352	10,352	2010	POST	452
Sewerage Treatment Plants	CVC-STP-005	Clarenza Sewerage Treatment Plant	Inlet Works	Grit Classifier	Clarenza	B	2015	128,775	128,775	2010	POST	5,626
Sewerage Treatment Plants	CVC-STP-006	Clarenza Sewerage Treatment Plant	Inlet Works	Grit Classifier Field Termination Panel	Clarenza	B	2015	10,352	10,352	2010	POST	452
Sewerage Treatment Plants	CVC-STP-007	Clarenza Sewerage Treatment Plant	Inlet Works	Odour Control Unit Foul Air Fan	Clarenza	B	2015	16,483	16,483	2010	POST	720
Sewerage Treatment Plants	CVC-STP-008	Clarenza Sewerage Treatment Plant	Inlet Works	Odour Control Unit Pipe Work	Clarenza	B	2015	24,482	24,482	2010	POST	1,070
Sewerage Treatment Plants	CVC-STP-009	Clarenza Sewerage Treatment Plant	Inlet Works	Grit Blower 1	Clarenza	B	2015	30,906	30,906	2010	POST	1,350
Sewerage Treatment Plants	CVC-STP-010	Clarenza Sewerage Treatment Plant	Inlet Works	Grit Blower 2	Clarenza	B	2015	30,906	30,906	2010	POST	1,350
Sewerage Treatment Plants	CVC-STP-011	Clarenza Sewerage Treatment Plant	Inlet Works	Grit Blowers Field Termination Panel	Clarenza	B	2015	10,352	10,352	2010	POST	452
Sewerage Treatment Plants	CVC-STP-012	Clarenza Sewerage Treatment Plant	Inlet Works	Grit Paddle mixer	Clarenza	B	2015	36,057	36,057	2010	POST	1,575
Sewerage Treatment Plants	CVC-STP-013	Clarenza Sewerage Treatment Plant	Inlet Works	Inlet Pipe Work & Fittings	Clarenza	B	2015	153,015	153,015	2010	POST	6,685
Sewerage Treatment Plants	CVC-STP-014	Clarenza Sewerage Treatment Plant	Inlet Works	Ultrasonic Level Sensing instruments x 3	Clarenza	B	2015	9,316	9,316	2010	POST	407
Sewerage Treatment Plants	CVC-STP-015	Clarenza Sewerage Treatment Plant	Inlet Works	Site Works -Retaining Wall	Clarenza	B	2015	6,757	6,757	2010	POST	295
Sewerage Treatment Plants	CVC-STP-016	Clarenza Sewerage Treatment Plant	Inlet Works	Site Works -Lighting	Clarenza	B	2015	6,335	6,335	2010	POST	277
Sewerage Treatment Plants	CVC-STP-017	Clarenza Sewerage Treatment Plant	Deodorising Bed	Structure	Clarenza	B	2015	34,840	34,840	2010	POST	1,522
Sewerage Treatment Plants	CVC-STP-018	Clarenza Sewerage Treatment Plant	Deodorising Bed	Pipe work & fittings	Clarenza	B	2015	15,302	15,302	2010	POST	669
Sewerage Treatment Plants	CVC-STP-019	Clarenza Sewerage Treatment Plant	Deodorising Bed	Sprinkler sensor Control	Clarenza	B	2015	10,352	10,352	2010	POST	452
Sewerage Treatment Plants	CVC-STP-020	Clarenza Sewerage Treatment Plant	Power & Control - Main control room	Telemetry & SCADA System	Clarenza	B	2015	258,788	258,788	2010	POST	11,306
Sewerage Treatment Plants	CVC-STP-021	Clarenza Sewerage Treatment Plant	Power & Control - Main control room	Power & control panels and Electrical Cabling	Clarenza	B	2015	621,090	621,090	2010	POST	27,134
Sewerage Treatment Plants	CVC-STP-022	Clarenza Sewerage Treatment Plant	Power & Control - Main control room	Variable Speed Controllers	Clarenza	B	2015	46,582	46,582	2010	POST	2,035
Sewerage Treatment Plants	CVC-STP-023	Clarenza Sewerage Treatment Plant	Chemical Dosing - Alum	Alum dosing Civil works	Clarenza	B	2015	32,095	32,095	2010	POST	1,402
Sewerage Treatment Plants	CVC-STP-024	Clarenza Sewerage Treatment Plant	Chemical Dosing - Alum	Alum Storage Tank	Clarenza	B	2015	41,208	41,208	2010	POST	1,800
Sewerage Treatment Plants	CVC-STP-025	Clarenza Sewerage Treatment Plant	Chemical Dosing - Alum	Alum Pump 1	Clarenza	B	2015	8,242	8,242	2010	POST	360
Sewerage Treatment Plants	CVC-STP-026	Clarenza Sewerage Treatment Plant	Chemical Dosing - Alum	Alum Pump 2	Clarenza	B	2015	8,242	8,242	2010	POST	360
Sewerage Treatment Plants	CVC-STP-027	Clarenza Sewerage Treatment Plant	Chemical Dosing - Alum	Alum Pump 3	Clarenza	B	2015	8,242	8,242	2010	POST	360
Sewerage Treatment Plants	CVC-STP-028	Clarenza Sewerage Treatment Plant	Chemical Dosing - Alum	Level instruments	Clarenza	B	2015	13,457	13,457	2010	POST	588
Sewerage Treatment Plants	CVC-STP-029	Clarenza Sewerage Treatment Plant	Chemical Dosing - Alum	Field Termination panel	Clarenza	B	2015	10,352	10,352	2010	POST	452
Sewerage Treatment Plants	CVC-STP-030	Clarenza Sewerage Treatment Plant	Chemical Dosing - Alum	Pipework & Fittings	Clarenza	B	2015	25,503	25,503	2010	POST	1,114

Asset Category	Asset ID	Asset Name	Segment Name	Description	Development Area Name	Development Area	Valuation Year	Gross (2015\$)	Gross (2015\$) - Adjusted	Construction Year	Pre or Post 1996 Asset	Capital Charge (2016\$)
Sewerage Treatment Plants	CVC-STP-031	Clarenza Sewerage Treatment Plant	Chemical Dosing - Caustic Soda	Caustic dosing Civil works	Clarenza	B	2015	32,095	32,095	2010	POST	1,402
Sewerage Treatment Plants	CVC-STP-032	Clarenza Sewerage Treatment Plant	Chemical Dosing - Caustic Soda	Caustic Storage Tank	Clarenza	B	2015	41,208	41,208	2010	POST	1,800
Sewerage Treatment Plants	CVC-STP-033	Clarenza Sewerage Treatment Plant	Chemical Dosing - Caustic Soda	Caustic Pump 1	Clarenza	B	2015	8,242	8,242	2010	POST	360
Sewerage Treatment Plants	CVC-STP-034	Clarenza Sewerage Treatment Plant	Chemical Dosing - Caustic Soda	Caustic Pump 2	Clarenza	B	2015	8,242	8,242	2010	POST	360
Sewerage Treatment Plants	CVC-STP-035	Clarenza Sewerage Treatment Plant	Chemical Dosing - Caustic Soda	Caustic Recirculation Pump	Clarenza	B	2015	3,091	3,091	2010	POST	135
Sewerage Treatment Plants	CVC-STP-036	Clarenza Sewerage Treatment Plant	Chemical Dosing - Caustic Soda	Level instruments	Clarenza	B	2015	12,422	12,422	2010	POST	543
Sewerage Treatment Plants	CVC-STP-037	Clarenza Sewerage Treatment Plant	Chemical Dosing - Caustic Soda	Field Termination panel	Clarenza	B	2015	10,352	10,352	2010	POST	452
Sewerage Treatment Plants	CVC-STP-038	Clarenza Sewerage Treatment Plant	Chemical Dosing - Caustic Soda	Safety Shower	Clarenza	B	2015	2,576	2,576	2010	POST	113
Sewerage Treatment Plants	CVC-STP-039	Clarenza Sewerage Treatment Plant	Chemical Dosing - Caustic Soda	Pipework & Fittings	Clarenza	B	2015	25,503	25,503	2010	POST	1,114
Sewerage Treatment Plants	CVC-STP-040	Clarenza Sewerage Treatment Plant	Power & Control - control room in Blower Bdg	Variable Speed Controllers	Clarenza	B	2015	46,582	46,582	2010	POST	2,035
Sewerage Treatment Plants	CVC-STP-041	Clarenza Sewerage Treatment Plant	Power & Control - control room in Blower Bdg	Telemetry	Clarenza	B	2015	20,703	20,703	2010	POST	904
Sewerage Treatment Plants	CVC-STP-042	Clarenza Sewerage Treatment Plant	Power & Control - control room in Blower Bdg	Power & control panels	Clarenza	B	2015	362,303	362,303	2010	POST	15,828
Sewerage Treatment Plants	CVC-STP-043	Clarenza Sewerage Treatment Plant	Aeration Blowers	Aeration Blower No. 1	Clarenza	B	2015	206,040	206,040	2010	POST	9,002
Sewerage Treatment Plants	CVC-STP-044	Clarenza Sewerage Treatment Plant	Aeration Blowers	Aeration Blower No. 2	Clarenza	B	2015	206,040	206,040	2010	POST	9,002
Sewerage Treatment Plants	CVC-STP-045	Clarenza Sewerage Treatment Plant	Aeration Blowers	Aeration Blower No. 3	Clarenza	B	2015	206,040	206,040	2010	POST	9,002
Sewerage Treatment Plants	CVC-STP-046	Clarenza Sewerage Treatment Plant	Aeration Blowers	Aeration Blower No. 1 Field Termination Panel	Clarenza	B	2015	5,176	5,176	2010	POST	226
Sewerage Treatment Plants	CVC-STP-047	Clarenza Sewerage Treatment Plant	Aeration Blowers	Aeration Blower No. 2 Field Termination Panel	Clarenza	B	2015	5,176	5,176	2010	POST	226
Sewerage Treatment Plants	CVC-STP-048	Clarenza Sewerage Treatment Plant	Aeration Blowers	Aeration Blower No. 3 Field Termination Panel	Clarenza	B	2015	5,176	5,176	2010	POST	226
Sewerage Treatment Plants	CVC-STP-049	Clarenza Sewerage Treatment Plant	Aeration Blowers	Aeration Air Pipe Work	Clarenza	B	2015	318,781	318,781	2010	POST	13,927
Sewerage Treatment Plants	CVC-STP-050	Clarenza Sewerage Treatment Plant	Aeration Blowers	Gantry beam	Clarenza	B	2015	21,115	21,115	2010	POST	922
Sewerage Treatment Plants	CVC-STP-051	Clarenza Sewerage Treatment Plant	Aeration Blowers	Electrical hoist	Clarenza	B	2015	10,352	10,352	2010	POST	452
Sewerage Treatment Plants	CVC-STP-052	Clarenza Sewerage Treatment Plant	Aeration Tank - New	New IDEA Tank Structure	Clarenza	B	2015	3,737,777	3,737,777	2010	POST	163,297
Sewerage Treatment Plants	CVC-STP-053	Clarenza Sewerage Treatment Plant	Aeration Tank - New	New IDEA Tank Diffuser Pipe Work	Clarenza	B	2015	244,824	244,824	2010	POST	10,696
Sewerage Treatment Plants	CVC-STP-054	Clarenza Sewerage Treatment Plant	Aeration Tank - New	New IDEA Tank Decant & Other Pipe Work & fittings	Clarenza	B	2015	357,035	357,035	2010	POST	15,598
Sewerage Treatment Plants	CVC-STP-055	Clarenza Sewerage Treatment Plant	Aeration Tank - New	New IDEA Tank WAS pump	Clarenza	B	2015	25,755	25,755	2010	POST	1,125
Sewerage Treatment Plants	CVC-STP-056	Clarenza Sewerage Treatment Plant	Aeration Tank - New	New IDEA Tank WAS pump control Panel	Clarenza	B	2015	5,176	5,176	2010	POST	226
Sewerage Treatment Plants	CVC-STP-057	Clarenza Sewerage Treatment Plant	Aeration Tank - New	New IDEA Tank WAS pump lifting mechanism	Clarenza	B	2015	6,181	6,181	2010	POST	270
Sewerage Treatment Plants	CVC-STP-058	Clarenza Sewerage Treatment Plant	Aeration Tank - New	New IDEA Tank Flow Meter	Clarenza	B	2015	10,352	10,352	2010	POST	452
Sewerage Treatment Plants	CVC-STP-059	Clarenza Sewerage Treatment Plant	Aeration Tank - New	New IDEA Tank Compressed air compressor	Clarenza	B	2015	18,544	18,544	2010	POST	810
Sewerage Treatment Plants	CVC-STP-060	Clarenza Sewerage Treatment Plant	Aeration Tank - New	New IDEA Tank Compressed air Pressure Tank	Clarenza	B	2015	6,181	6,181	2010	POST	270

Asset Category	Asset ID	Asset Name	Segment Name	Description	Development Area Name	Development Area	Valuation Year	Gross (2015\$)	Gross (2015\$) - Adjusted	Construction Year	Pre or Post 1996 Asset	Capital Charge (2016\$)
Sewerage Treatment Plants	CVC-STP-061	Clarenza Sewerage Treatment Plant	Aeration Tank - New	New IDEA Tank Compressed air Pipe work	Clarenza	B	2015	12,241	12,241	2010	POST	535
Sewerage Treatment Plants	CVC-STP-062	Clarenza Sewerage Treatment Plant	Aeration Tank - New	New IDEA Tank Valve actuators AV 24/25/26/27/28/29	Clarenza	B	2015	24,844	24,844	2010	POST	1,085
Sewerage Treatment Plants	CVC-STP-063	Clarenza Sewerage Treatment Plant	Aeration Tank - New	New IDEA Tank Flow meter	Clarenza	B	2015	8,281	8,281	2010	POST	362
Sewerage Treatment Plants	CVC-STP-064	Clarenza Sewerage Treatment Plant	Aeration Tank - New	New IDEA Tank DO probe No. 1	Clarenza	B	2015	10,352	10,352	2010	POST	452
Sewerage Treatment Plants	CVC-STP-065	Clarenza Sewerage Treatment Plant	Aeration Tank - New	New IDEA Tank DO probe No. 2	Clarenza	B	2015	10,352	10,352	2010	POST	452
Sewerage Treatment Plants	CVC-STP-066	Clarenza Sewerage Treatment Plant	Storm Overflow Dam	Earth Structure	Clarenza	B	2015	914,068	914,068	2010	POST	39,934
Sewerage Treatment Plants	CVC-STP-067	Clarenza Sewerage Treatment Plant	Storm Overflow Dam	Pipe work & fittings	Clarenza	B	2015	183,618	183,618	2010	POST	8,022
Sewerage Treatment Plants	CVC-STP-068	Clarenza Sewerage Treatment Plant	Storm Overflow Dam	Site Work -Fencing	Clarenza	B	2015	37,796	37,796	2010	POST	1,651
Sewerage Treatment Plants	CVC-STP-069	Clarenza Sewerage Treatment Plant	Storm Overflow Box	Structure	Clarenza	B	2015	48,037	48,037	2010	POST	2,099
Sewerage Treatment Plants	CVC-STP-070	Clarenza Sewerage Treatment Plant	Storm Overflow Box	Pipe work & fittings	Clarenza	B	2015	6,121	6,121	2010	POST	267
Sewerage Treatment Plants	CVC-STP-071	Clarenza Sewerage Treatment Plant	Storm Overflow Box	Ultrasonic Level Sensing instrument	Clarenza	B	2015	3,105	3,105	2010	POST	136
Sewerage Treatment Plants	CVC-STP-072	Clarenza Sewerage Treatment Plant	Aeration Tank - Old	Structure	Clarenza	B	2015	2,163,865	2,163,865	1988	PRE	94,535
Sewerage Treatment Plants	CVC-STP-073	Clarenza Sewerage Treatment Plant	Aeration Tank - Old	Decant Mechanism	Clarenza	B	2015	309,060	309,060	1988	PRE	13,502
Sewerage Treatment Plants	CVC-STP-074	Clarenza Sewerage Treatment Plant	Aeration Tank - Old	Surface Aerator 1	Clarenza	B	2015	92,718	92,718	1988	PRE	4,051
Sewerage Treatment Plants	CVC-STP-075	Clarenza Sewerage Treatment Plant	Aeration Tank - Old	Surface Aerator 2	Clarenza	B	2015	92,718	92,718	1988	PRE	4,051
Sewerage Treatment Plants	CVC-STP-076	Clarenza Sewerage Treatment Plant	Aeration Tank - Old	Surface Aerator 3	Clarenza	B	2015	92,718	92,718	1988	PRE	4,051
Sewerage Treatment Plants	CVC-STP-077	Clarenza Sewerage Treatment Plant	Aeration Tank - Old	Sludge Pump	Clarenza	B	2015	46,359	46,359	1988	PRE	2,025
Sewerage Treatment Plants	CVC-STP-078	Clarenza Sewerage Treatment Plant	Aeration Tank - Old	Sludge Pump Flow meter	Clarenza	B	2015	6,211	6,211	1988	PRE	271
Sewerage Treatment Plants	CVC-STP-079	Clarenza Sewerage Treatment Plant	Aeration Tank - Old	Flowmeter	Clarenza	B	2015	8,281	8,281	1988	PRE	362
Sewerage Treatment Plants	CVC-STP-080	Clarenza Sewerage Treatment Plant	Aeration Tank - Old	Aeration tank Pipe Work	Clarenza	B	2015	255,025	255,025	1988	PRE	11,142
Sewerage Treatment Plants	CVC-STP-081	Clarenza Sewerage Treatment Plant	Screening Pit	Screening Pit Structure	Clarenza	B	2015	69,680	69,680	2010	POST	3,044
Sewerage Treatment Plants	CVC-STP-082	Clarenza Sewerage Treatment Plant	Screening Pit	Screening pit Manual Screen	Clarenza	B	2015	5,151	5,151	2010	POST	225
Sewerage Treatment Plants	CVC-STP-083	Clarenza Sewerage Treatment Plant	Screening Pit	Screening Pit Pipe Work	Clarenza	B	2015	30,603	30,603	2010	POST	1,337
Sewerage Treatment Plants	CVC-STP-084	Clarenza Sewerage Treatment Plant	Catch Pond	Structure	Clarenza	B	2015	273,334	273,334	2010	POST	11,941
Sewerage Treatment Plants	CVC-STP-085	Clarenza Sewerage Treatment Plant	Catch Pond	Site Work -Fence	Clarenza	B	2015	11,402	11,402	2010	POST	498
Sewerage Treatment Plants	CVC-STP-086	Clarenza Sewerage Treatment Plant	Catch Pond	Pipe work & fittings	Clarenza	B	2015	30,603	30,603	2010	POST	1,337
Sewerage Treatment Plants	CVC-STP-087	Clarenza Sewerage Treatment Plant	Catch Pond	Level instrument	Clarenza	B	2015	5,176	5,176	2010	POST	226
Sewerage Treatment Plants	CVC-STP-088	Clarenza Sewerage Treatment Plant	Catch Pond	Pipe work & fittings	Clarenza	B	2015	15,302	15,302	2010	POST	669
Sewerage Treatment Plants	CVC-STP-089	Clarenza Sewerage Treatment Plant	Effluent Reuse Tanks	Effluent Reuse Tank 1	Clarenza	B	2015	15,453	15,453	2010	POST	675
Sewerage Treatment Plants	CVC-STP-090	Clarenza Sewerage Treatment Plant	Effluent Reuse Tanks	Effluent Reuse Tank 2	Clarenza	B	2015	15,453	15,453	2010	POST	675
Sewerage Treatment Plants	CVC-STP-091	Clarenza Sewerage Treatment Plant	Effluent Reuse Tanks	Pipework & Fittings	Clarenza	B	2015	10,609	10,609	2010	POST	463
Sewerage Treatment Plants	CVC-STP-092	Clarenza Sewerage Treatment Plant	UV disinfection	UV Channel Structure	Clarenza	B	2015	126,690	126,690	2010	POST	5,535
Sewerage Treatment Plants	CVC-STP-093	Clarenza Sewerage Treatment Plant	UV disinfection	Penstock Valve Actuator	Clarenza	B	2015	8,281	8,281	2010	POST	362

Asset Category	Asset ID	Asset Name	Segment Name	Description	Development Area Name	Development Area	Valuation Year	Gross (2015\$)	Gross (2015\$) - Adjusted	Construction Year	Pre or Post 1996 Asset	Capital Charge (2016\$)
Sewerage Treatment Plants	CVC-STP-094	Clarenza Sewerage Treatment Plant	UV disinfection	UV Channel Reuse Pump	Clarenza	B	2015	7,727	7,727	2010	POST	338
Sewerage Treatment Plants	CVC-STP-095	Clarenza Sewerage Treatment Plant	UV disinfection	Pipe Work & Fittings	Clarenza	B	2015	30,603	30,603	2010	POST	1,337
Sewerage Treatment Plants	CVC-STP-096	Clarenza Sewerage Treatment Plant	UV disinfection	UV Bank A	Clarenza	B	2015	56,933	56,933	2010	POST	2,487
Sewerage Treatment Plants	CVC-STP-097	Clarenza Sewerage Treatment Plant	UV disinfection	UV Bank B	Clarenza	B	2015	56,661	56,661	2010	POST	2,475
Sewerage Treatment Plants	CVC-STP-098	Clarenza Sewerage Treatment Plant	UV disinfection	Field Termination Panel	Clarenza	B	2015	15,527	15,527	2010	POST	678
Sewerage Treatment Plants	CVC-STP-099	Clarenza Sewerage Treatment Plant	UV disinfection	Ultrasonic Flow Sensor	Clarenza	B	2015	3,105	3,105	2010	POST	136
Sewerage Treatment Plants	CVC-STP-100	Clarenza Sewerage Treatment Plant	UV disinfection	Transmittance Measurement Monitor	Clarenza	B	2015	15,527	15,527	2010	POST	678
Sewerage Treatment Plants	CVC-STP-101	Clarenza Sewerage Treatment Plant	UV disinfection	Lifting Mechanism	Clarenza	B	2015	12,362	12,362	2010	POST	540
Sewerage Treatment Plants	CVC-STP-102	Clarenza Sewerage Treatment Plant	UV disinfection - Switch Room	UV control Panels	Clarenza	B	2015	82,812	82,812	2010	POST	3,618
Sewerage Treatment Plants	CVC-STP-103	Clarenza Sewerage Treatment Plant	UV disinfection - Switch Room	Power & control panels UV & Reuse pump	Clarenza	B	2015	186,327	186,327	2010	POST	8,140
Sewerage Treatment Plants	CVC-STP-104	Clarenza Sewerage Treatment Plant	UV disinfection - Switch Room	Reuse Pump 2 VSD	Clarenza	B	2015	12,422	12,422	2010	POST	543
Sewerage Treatment Plants	CVC-STP-105	Clarenza Sewerage Treatment Plant	Sludge Dewatering	Structure	Clarenza	B	2015	147,594	147,594	2010	POST	6,448
Sewerage Treatment Plants	CVC-STP-106	Clarenza Sewerage Treatment Plant	Sludge Dewatering	Connection Box	Clarenza	B	2015	20,703	20,703	2010	POST	904
Sewerage Treatment Plants	CVC-STP-107	Clarenza Sewerage Treatment Plant	Sludge Dewatering	Pipe work & fittings	Clarenza	B	2015	7,651	7,651	2010	POST	334
Sewerage Treatment Plants	CVC-STP-108	Clarenza Sewerage Treatment Plant	Sludge Lagoon1	Structure	Clarenza	B	2015	270,694	270,694	2010	POST	11,826
Sewerage Treatment Plants	CVC-STP-109	Clarenza Sewerage Treatment Plant	Sludge Lagoon1	Pipe work & fittings	Clarenza	B	2015	12,751	12,751	2010	POST	557
Sewerage Treatment Plants	CVC-STP-110	Clarenza Sewerage Treatment Plant	Sludge Lagoon1	Holding Tank	Clarenza	B	2015	15,453	15,453	2010	POST	675
Sewerage Treatment Plants	CVC-STP-111	Clarenza Sewerage Treatment Plant	Sludge Lagoon1	Site Works - fencing	Clarenza	B	2015	8,235	8,235	2010	POST	360
Sewerage Treatment Plants	CVC-STP-112	Clarenza Sewerage Treatment Plant	Sludge Lagoon2	Structure	Clarenza	B	2015	239,972	239,972	2010	POST	10,484
Sewerage Treatment Plants	CVC-STP-113	Clarenza Sewerage Treatment Plant	Sludge Lagoon2	Pipe work & fittings	Clarenza	B	2015	12,751	12,751	2010	POST	557
Sewerage Treatment Plants	CVC-STP-114	Clarenza Sewerage Treatment Plant	Sludge Lagoon2	Site Works - fencing	Clarenza	B	2015	15,836	15,836	2010	POST	692
Sewerage Treatment Plants	CVC-STP-115	Clarenza Sewerage Treatment Plant	Sludge Lagoon3	Structure	Clarenza	B	2015	7,813	7,813	2010	POST	341
Sewerage Treatment Plants	CVC-STP-116	Clarenza Sewerage Treatment Plant	Sludge Lagoon3	Pipe work & fittings	Clarenza	B	2015	213,405	213,405	2010	POST	9,323
Sewerage Treatment Plants	CVC-STP-117	Clarenza Sewerage Treatment Plant	Sludge Lagoon3	Holding Tank	Clarenza	B	2015	12,878	12,878	2010	POST	563
Sewerage Treatment Plants	CVC-STP-118	Clarenza Sewerage Treatment Plant	Sludge Lagoon3	Site Works - fencing	Clarenza	B	2015	15,836	15,836	2010	POST	692
Sewerage Treatment Plants	CVC-STP-119	Clarenza Sewerage Treatment Plant	Outlet Structure	Structure	Clarenza	B	2015	7,179	7,179	2010	POST	314
Sewerage Treatment Plants	CVC-STP-120	Clarenza Sewerage Treatment Plant	Outlet Structure	Pipe work & fittings	Clarenza	B	2015	61,206	61,206	2010	POST	2,674
Sewerage Treatment Plants	CVC-STP-121	Clarenza Sewerage Treatment Plant	Outlet Structure	Ultrasonic Level Sensor	Clarenza	B	2015	3,105	3,105	2010	POST	136
Sewerage Treatment Plants	CVC-STP-122	Clarenza Sewerage Treatment Plant	Outlet Structure	Telemetry internal roads and hard stands	Clarenza	B	2015	10,352	10,352	2010	POST	452
Sewerage Treatment Plants	CVC-STP-123	Clarenza Sewerage Treatment Plant	Site Works	Stormwater Drainage	Clarenza	B	2015	539,488	539,488	2010	POST	23,569
Sewerage Treatment Plants	CVC-STP-124	Clarenza Sewerage Treatment Plant	Site Works	Perimeter Fence	Clarenza	B	2015	158,363	158,363	2010	POST	6,919
Sewerage Treatment Plants	CVC-STP-125	Clarenza Sewerage Treatment Plant	Site Works	Perimeter Fence	Clarenza	B	2015	126,690	126,690	2010	POST	5,535
Sewerage Treatment Plants	CVC-STP-126	Woodford Island Sewerage Treatment Plant	Septage Receival	Helical Screw grit screen	Woodford Island	D	2015	123,624	123,624	2010	POST	7,656
Sewerage Treatment Plants	CVC-STP-127	Woodford Island Sewerage Treatment Plant	Septage Receival	Flowmeter	Woodford Island	D	2015	7,764	7,764	2010	POST	481
Sewerage Treatment Plants	CVC-STP-128	Woodford Island Sewerage Treatment Plant	Septage Receival	Field Termination Panel	Woodford Island	D	2015	5,176	5,176	2010	POST	321
Sewerage Treatment Plants	CVC-STP-129	Woodford Island Sewerage Treatment Plant	Septage Receival	Pipeworks & Fittings	Woodford Island	D	2015	15,302	15,302	2010	POST	948
Sewerage Treatment Plants	CVC-STP-130	Woodford Island Sewerage Treatment Plant	Septage Receival	Concrete Hard Stand	Woodford Island	D	2015	11,085	11,085	2010	POST	687
Sewerage Treatment Plants	CVC-STP-131	Woodford Island Sewerage Treatment Plant	Septage Receival	Siteworks -fencing	Woodford Island	D	2015	1,900	1,900	2010	POST	118
Sewerage Treatment Plants	CVC-STP-132	Woodford Island Sewerage Treatment Plant	Septage Receival	Siteworks -Lighting	Woodford Island	D	2015	2,112	2,112	2010	POST	131

Asset Category	Asset ID	Asset Name	Segment Name	Description	Development Area Name	Development Area	Valuation Year	Gross (2015\$)	Gross (2015\$) - Adjusted	Construction Year	Pre or Post 1996 Asset	Capital Charge (2016\$)
Sewerage Treatment Plants	CVC-STP-133	Woodford Island Sewerage Treatment Plant	Inlet Works	Inlet Grit Channel and Vortex Chamber Structure	Woodford Island	D	2015	1,530,838	1,530,838	2010	POST	94,810
Sewerage Treatment Plants	CVC-STP-134	Woodford Island Sewerage Treatment Plant	Inlet Works	Step Screen	Woodford Island	D	2015	82,416	82,416	2010	POST	5,104
Sewerage Treatment Plants	CVC-STP-135	Woodford Island Sewerage Treatment Plant	Inlet Works	Step Screen Field Termination Panel	Woodford Island	D	2015	5,176	5,176	2010	POST	321
Sewerage Treatment Plants	CVC-STP-136	Woodford Island Sewerage Treatment Plant	Inlet Works	Screening Press	Woodford Island	D	2015	51,510	51,510	2010	POST	3,190
Sewerage Treatment Plants	CVC-STP-137	Woodford Island Sewerage Treatment Plant	Inlet Works	Ultrasonic Level Sensors x 2	Woodford Island	D	2015	6,211	6,211	2010	POST	385
Sewerage Treatment Plants	CVC-STP-138	Woodford Island Sewerage Treatment Plant	Inlet Works	Grit Classifier	Woodford Island	D	2015	128,775	128,775	2010	POST	7,975
Sewerage Treatment Plants	CVC-STP-139	Woodford Island Sewerage Treatment Plant	Inlet Works	Grit Classifier Field Termination Panel	Woodford Island	D	2015	5,176	5,176	2010	POST	321
Sewerage Treatment Plants	CVC-STP-140	Woodford Island Sewerage Treatment Plant	Inlet Works	Grit Blower 1	Woodford Island	D	2015	30,906	30,906	2010	POST	1,914
Sewerage Treatment Plants	CVC-STP-141	Woodford Island Sewerage Treatment Plant	Inlet Works	Grit Blower 2	Woodford Island	D	2015	30,906	30,906	2010	POST	1,914
Sewerage Treatment Plants	CVC-STP-142	Woodford Island Sewerage Treatment Plant	Inlet Works	Grit Blowers Field Termination Panel	Woodford Island	D	2015	5,176	5,176	2010	POST	321
Sewerage Treatment Plants	CVC-STP-143	Woodford Island Sewerage Treatment Plant	Inlet Works	Grit Paddle mixer	Woodford Island	D	2015	36,057	36,057	2010	POST	2,233
Sewerage Treatment Plants	CVC-STP-144	Woodford Island Sewerage Treatment Plant	Inlet Works	Inlet Pipe Work & Fittings	Woodford Island	D	2015	153,015	153,015	2010	POST	9,477
Sewerage Treatment Plants	CVC-STP-145	Woodford Island Sewerage Treatment Plant	Inlet Works	Siteworks -Lighting	Woodford Island	D	2015	7,918	7,918	2010	POST	490
Sewerage Treatment Plants	CVC-STP-146	Woodford Island Sewerage Treatment Plant	Inlet Works	Odour Control Unit Foul Air Fan 1	Woodford Island	D	2015	16,483	16,483	2010	POST	1,021
Sewerage Treatment Plants	CVC-STP-147	Woodford Island Sewerage Treatment Plant	Inlet Works	Odour Control Unit Foul Air Fan 2	Woodford Island	D	2015	16,483	16,483	2010	POST	1,021
Sewerage Treatment Plants	CVC-STP-148	Woodford Island Sewerage Treatment Plant	Inlet Works	Odour Control Unit Foul Air Pipe Work	Woodford Island	D	2015	12,241	12,241	2010	POST	758
Sewerage Treatment Plants	CVC-STP-149	Woodford Island Sewerage Treatment Plant	Inlet Works	Odour Control Unit Field Termination Panel	Woodford Island	D	2015	5,176	5,176	2010	POST	321
Sewerage Treatment Plants	CVC-STP-150	Woodford Island Sewerage Treatment Plant	Deodorising Bed	Structure	Woodford Island	D	2015	10,441	10,441	2010	POST	647
Sewerage Treatment Plants	CVC-STP-151	Woodford Island Sewerage Treatment Plant	Deodorising Bed	Pipe work & fittings	Woodford Island	D	2015	15,302	15,302	2010	POST	948
Sewerage Treatment Plants	CVC-STP-152	Woodford Island Sewerage Treatment Plant	Deodorising Bed	Sprinkler sensor Control	Woodford Island	D	2015	5,176	5,176	2010	POST	321
Sewerage Treatment Plants	CVC-STP-153	Woodford Island Sewerage Treatment Plant	Buffer Feed Tank	Structure	Woodford Island	D	2015	1,583,625	1,583,625	2010	POST	98,079
Sewerage Treatment Plants	CVC-STP-154	Woodford Island Sewerage Treatment Plant	Buffer Feed Tank	Penstock Valve Actuator	Woodford Island	D	2015	7,246	7,246	2010	POST	449
Sewerage Treatment Plants	CVC-STP-155	Woodford Island Sewerage Treatment Plant	Buffer Feed Tank	Flowmeter	Woodford Island	D	2015	12,422	12,422	2010	POST	769
Sewerage Treatment Plants	CVC-STP-156	Woodford Island Sewerage Treatment Plant	Buffer Feed Tank	Flowmeter	Woodford Island	D	2015	10,352	10,352	2010	POST	641
Sewerage Treatment Plants	CVC-STP-157	Woodford Island Sewerage Treatment Plant	Buffer Feed Tank	Buffer Feed tank Pipe work	Woodford Island	D	2015	122,412	122,412	2010	POST	7,581
Sewerage Treatment Plants	CVC-STP-158	Woodford Island Sewerage Treatment Plant	Buffer Feed Tank	Siteworks -Lighting	Woodford Island	D	2015	5,279	5,279	2010	POST	327
Sewerage Treatment Plants	CVC-STP-159	Woodford Island Sewerage Treatment Plant	Storm Buffer Tank	Structure	Woodford Island	D	2015	950,175	950,175	2010	POST	58,847
Sewerage Treatment Plants	CVC-STP-160	Woodford Island Sewerage Treatment Plant	Storm Buffer Tank	Storm Buffer pump	Woodford Island	D	2015	36,057	36,057	2010	POST	2,233
Sewerage Treatment Plants	CVC-STP-161	Woodford Island Sewerage Treatment Plant	Storm Buffer Tank	Storm Buffer pump Field Termination Panel	Woodford Island	D	2015	5,176	5,176	2010	POST	321
Sewerage Treatment Plants	CVC-STP-162	Woodford Island Sewerage Treatment Plant	Storm Buffer Tank	Storm Buffer Tank Low & High level	Woodford Island	D	2015	6,211	6,211	2010	POST	385

Asset Category	Asset ID	Asset Name	Segment Name	Description	Development Area Name	Development Area	Valuation Year	Gross (2015\$)	Gross (2015\$) - Adjusted	Construction Year	Pre or Post 1996 Asset	Capital Charge (2016\$)
Sewerage Treatment Plants	CVC-STP-163	Woodford Island Sewerage Treatment Plant	Storm Buffer Tank	Pipe work & fittings	Woodford Island	D	2015	73,447	73,447	2010	POST	4,549
Sewerage Treatment Plants	CVC-STP-164	Woodford Island Sewerage Treatment Plant	Storm Buffer Tank	Siteworks -Lighting	Woodford Island	D	2015	1,584	1,584	2010	POST	98
Sewerage Treatment Plants	CVC-STP-165	Woodford Island Sewerage Treatment Plant	IDEA Tank 1	Structure	Woodford Island	D	2015	3,431,188	3,431,188	2010	POST	212,505
Sewerage Treatment Plants	CVC-STP-166	Woodford Island Sewerage Treatment Plant	IDEA Tank 1	IDEAT mixer 5	Woodford Island	D	2015	30,906	30,906	2010	POST	1,914
Sewerage Treatment Plants	CVC-STP-167	Woodford Island Sewerage Treatment Plant	IDEA Tank 1	IDEAT mixer 6	Woodford Island	D	2015	30,906	30,906	2010	POST	1,914
Sewerage Treatment Plants	CVC-STP-168	Woodford Island Sewerage Treatment Plant	IDEA Tank 1	IDEAT mixer 7	Woodford Island	D	2015	30,906	30,906	2010	POST	1,914
Sewerage Treatment Plants	CVC-STP-169	Woodford Island Sewerage Treatment Plant	IDEA Tank 1	IDEAT mixer Field Termination Panel	Woodford Island	D	2015	12,422	12,422	2010	POST	769
Sewerage Treatment Plants	CVC-STP-170	Woodford Island Sewerage Treatment Plant	IDEA Tank 1	Diffuser Pipe Work	Woodford Island	D	2015	153,015	153,015	2010	POST	9,477
Sewerage Treatment Plants	CVC-STP-171	Woodford Island Sewerage Treatment Plant	IDEA Tank 1	Decant Mechanism	Woodford Island	D	2015	257,550	257,550	2010	POST	15,951
Sewerage Treatment Plants	CVC-STP-172	Woodford Island Sewerage Treatment Plant	IDEA Tank 1	Decant Gate Actuator	Woodford Island	D	2015	8,281	8,281	2010	POST	513
Sewerage Treatment Plants	CVC-STP-173	Woodford Island Sewerage Treatment Plant	IDEA Tank 1	Decant Leakage pump	Woodford Island	D	2015	7,727	7,727	2010	POST	479
Sewerage Treatment Plants	CVC-STP-174	Woodford Island Sewerage Treatment Plant	IDEA Tank 1	Decant Leakage pump Pipe Work	Woodford Island	D	2015	1,530	1,530	2010	POST	95
Sewerage Treatment Plants	CVC-STP-175	Woodford Island Sewerage Treatment Plant	IDEA Tank 1	Leakage pump & Decant mechanism Field Termination Panel	Woodford Island	D	2015	10,352	10,352	2010	POST	641
Sewerage Treatment Plants	CVC-STP-176	Woodford Island Sewerage Treatment Plant	IDEA Tank 1	IDEAT Level instrument	Woodford Island	D	2015	3,105	3,105	2010	POST	192
Sewerage Treatment Plants	CVC-STP-177	Woodford Island Sewerage Treatment Plant	IDEA Tank 1	Pipe work & fittings	Woodford Island	D	2015	265,226	265,226	2010	POST	16,426
Sewerage Treatment Plants	CVC-STP-178	Woodford Island Sewerage Treatment Plant	IDEA Tank 1	IDEAT ORB Analyser A	Woodford Island	D	2015	10,352	10,352	2010	POST	641
Sewerage Treatment Plants	CVC-STP-179	Woodford Island Sewerage Treatment Plant	IDEA Tank 1	IDEAT Oxygen Analyser	Woodford Island	D	2015	10,352	10,352	2010	POST	641
Sewerage Treatment Plants	CVC-STP-180	Woodford Island Sewerage Treatment Plant	IDEA Tank 1	IDEAT ORB Analyser BA	Woodford Island	D	2015	10,352	10,352	2010	POST	641
Sewerage Treatment Plants	CVC-STP-181	Woodford Island Sewerage Treatment Plant	IDEA Tank 1	IDEAT pH Analyser	Woodford Island	D	2015	10,352	10,352	2010	POST	641
Sewerage Treatment Plants	CVC-STP-182	Woodford Island Sewerage Treatment Plant	IDEA Tank 1	IDEAT Emergency Level High Switch	Woodford Island	D	2015	4,141	4,141	2010	POST	256
Sewerage Treatment Plants	CVC-STP-183	Woodford Island Sewerage Treatment Plant	IDEA Tank 1	WAS Pump 1	Woodford Island	D	2015	9,272	9,272	2010	POST	574
Sewerage Treatment Plants	CVC-STP-184	Woodford Island Sewerage Treatment Plant	IDEA Tank 1	WAS Pump 2	Woodford Island	D	2015	9,787	9,787	2010	POST	606
Sewerage Treatment Plants	CVC-STP-185	Woodford Island Sewerage Treatment Plant	IDEA Tank 1	Mixed Liquor Pump 1	Woodford Island	D	2015	9,787	9,787	2010	POST	606
Sewerage Treatment Plants	CVC-STP-186	Woodford Island Sewerage Treatment Plant	IDEA Tank 1	Mixed Liquor Pump 2	Woodford Island	D	2015	9,787	9,787	2010	POST	606
Sewerage Treatment Plants	CVC-STP-187	Woodford Island Sewerage Treatment Plant	IDEA Tank 1	WAS & RAS Field Termination Panel	Woodford Island	D	2015	9,834	9,834	2010	POST	609
Sewerage Treatment Plants	CVC-STP-188	Woodford Island Sewerage Treatment Plant	IDEA Tank 1	WAS Pipe Work	Woodford Island	D	2015	18,362	18,362	2010	POST	1,137
Sewerage Treatment Plants	CVC-STP-189	Woodford Island Sewerage Treatment Plant	IDEA Tank 1	RAS Pipe Work	Woodford Island	D	2015	18,362	18,362	2010	POST	1,137
Sewerage Treatment Plants	CVC-STP-190	Woodford Island Sewerage Treatment Plant	IDEA Tank 1	Siteworks -Lighting	Woodford Island	D	2015	8,446	8,446	2010	POST	523
Sewerage Treatment Plants	CVC-STP-191	Woodford Island Sewerage Treatment Plant	IDEA Tank 1	WAS Flowmeter	Woodford Island	D	2015	8,281	8,281	2010	POST	513

Asset Category	Asset ID	Asset Name	Segment Name	Description	Development Area Name	Development Area	Valuation Year	Gross (2015\$)	Gross (2015\$) - Adjusted	Construction Year	Pre or Post 1996 Asset	Capital Charge (2016\$)
Sewerage Treatment Plants	CVC-STP-192	Woodford Island Sewerage Treatment Plant	IDEA Tank 2	Structure	Woodford Island	D	2015	3,431,188	3,431,188	2010	POST	212,505
Sewerage Treatment Plants	CVC-STP-193	Woodford Island Sewerage Treatment Plant	IDEA Tank 2	IDEAT mixer 5	Woodford Island	D	2015	30,906	30,906	2010	POST	1,914
Sewerage Treatment Plants	CVC-STP-194	Woodford Island Sewerage Treatment Plant	IDEA Tank 2	IDEAT mixer 6	Woodford Island	D	2015	30,906	30,906	2010	POST	1,914
Sewerage Treatment Plants	CVC-STP-195	Woodford Island Sewerage Treatment Plant	IDEA Tank 2	IDEAT mixer 7	Woodford Island	D	2015	30,906	30,906	2010	POST	1,914
Sewerage Treatment Plants	CVC-STP-196	Woodford Island Sewerage Treatment Plant	IDEA Tank 2	IDEAT mixer Field Termination Panel	Woodford Island	D	2015	12,422	12,422	2010	POST	769
Sewerage Treatment Plants	CVC-STP-197	Woodford Island Sewerage Treatment Plant	IDEA Tank 2	Diffuser Pipe Work	Woodford Island	D	2015	153,015	153,015	2010	POST	9,477
Sewerage Treatment Plants	CVC-STP-198	Woodford Island Sewerage Treatment Plant	IDEA Tank 2	Decant Mechanism	Woodford Island	D	2015	257,550	257,550	2010	POST	15,951
Sewerage Treatment Plants	CVC-STP-199	Woodford Island Sewerage Treatment Plant	IDEA Tank 2	Decant Gate Actuator	Woodford Island	D	2015	8,281	8,281	2010	POST	513
Sewerage Treatment Plants	CVC-STP-200	Woodford Island Sewerage Treatment Plant	IDEA Tank 2	Decant Leakage pump	Woodford Island	D	2015	7,727	7,727	2010	POST	479
Sewerage Treatment Plants	CVC-STP-201	Woodford Island Sewerage Treatment Plant	IDEA Tank 2	Decant Leakage pump Pipe Work	Woodford Island	D	2015	1,530	1,530	2010	POST	95
Sewerage Treatment Plants	CVC-STP-202	Woodford Island Sewerage Treatment Plant	IDEA Tank 2	Leakage pump & Decant mechanism Field Termination Panel	Woodford Island	D	2015	10,352	10,352	2010	POST	641
Sewerage Treatment Plants	CVC-STP-203	Woodford Island Sewerage Treatment Plant	IDEA Tank 2	IDEAT Level instrument	Woodford Island	D	2015	3,105	3,105	2010	POST	192
Sewerage Treatment Plants	CVC-STP-204	Woodford Island Sewerage Treatment Plant	IDEA Tank 2	IDEAT Holding tank	Woodford Island	D	2015	5,151	5,151	2010	POST	319
Sewerage Treatment Plants	CVC-STP-205	Woodford Island Sewerage Treatment Plant	IDEA Tank 2	Pipe work & fittings	Woodford Island	D	2015	265,226	265,226	2010	POST	16,426
Sewerage Treatment Plants	CVC-STP-206	Woodford Island Sewerage Treatment Plant	IDEA Tank 2	IDEAT ORB Analyser A	Woodford Island	D	2015	10,352	10,352	2010	POST	641
Sewerage Treatment Plants	CVC-STP-207	Woodford Island Sewerage Treatment Plant	IDEA Tank 2	IDEAT Oxygen Analyser	Woodford Island	D	2015	10,352	10,352	2010	POST	641
Sewerage Treatment Plants	CVC-STP-208	Woodford Island Sewerage Treatment Plant	IDEA Tank 2	IDEAT ORB Analyser BA	Woodford Island	D	2015	10,352	10,352	2010	POST	641
Sewerage Treatment Plants	CVC-STP-209	Woodford Island Sewerage Treatment Plant	IDEA Tank 2	IDEAT pH Analyser	Woodford Island	D	2015	10,352	10,352	2010	POST	641
Sewerage Treatment Plants	CVC-STP-210	Woodford Island Sewerage Treatment Plant	IDEA Tank 2	IDEAT Emergency Level High Switch	Woodford Island	D	2015	4,141	4,141	2010	POST	256
Sewerage Treatment Plants	CVC-STP-211	Woodford Island Sewerage Treatment Plant	IDEA Tank 2	WAS Pump 1	Woodford Island	D	2015	9,787	9,787	2010	POST	606
Sewerage Treatment Plants	CVC-STP-212	Woodford Island Sewerage Treatment Plant	IDEA Tank 2	WAS Pump 2	Woodford Island	D	2015	9,787	9,787	2010	POST	606
Sewerage Treatment Plants	CVC-STP-213	Woodford Island Sewerage Treatment Plant	IDEA Tank 2	Mixed Liquor Pump 1	Woodford Island	D	2015	9,787	9,787	2010	POST	606
Sewerage Treatment Plants	CVC-STP-214	Woodford Island Sewerage Treatment Plant	IDEA Tank 2	Mixed Liquor Pump 2	Woodford Island	D	2015	9,787	9,787	2010	POST	606
Sewerage Treatment Plants	CVC-STP-215	Woodford Island Sewerage Treatment Plant	IDEA Tank 2	WAS & RAS Field Termination Panel	Woodford Island	D	2015	8,281	8,281	2010	POST	513
Sewerage Treatment Plants	CVC-STP-216	Woodford Island Sewerage Treatment Plant	IDEA Tank 2	WAS Pipe Work	Woodford Island	D	2015	18,362	18,362	2010	POST	1,137
Sewerage Treatment Plants	CVC-STP-217	Woodford Island Sewerage Treatment Plant	IDEA Tank 2	RAS Pipe Work	Woodford Island	D	2015	18,362	18,362	2010	POST	1,137
Sewerage Treatment Plants	CVC-STP-218	Woodford Island Sewerage Treatment Plant	IDEA Tank 2	Siteworks -Lighting	Woodford Island	D	2015	4,751	4,751	2010	POST	294
Sewerage Treatment Plants	CVC-STP-219	Woodford Island Sewerage Treatment Plant	Diversion Pit	Structure	Woodford Island	D	2015	84,460	84,460	2010	POST	5,231
Sewerage Treatment Plants	CVC-STP-220	Woodford Island Sewerage Treatment Plant	Aeration Blowers	Aeration Blower No. 1	Woodford Island	D	2015	231,795	231,795	2010	POST	14,356

Asset Category	Asset ID	Asset Name	Segment Name	Description	Development Area Name	Development Area	Valuation Year	Gross (2015\$)	Gross (2015\$) - Adjusted	Construction Year	Pre or Post 1996 Asset	Capital Charge (2016\$)
Sewerage Treatment Plants	CVC-STP-221	Woodford Island Sewerage Treatment Plant	Aeration Blowers	Aeration Blower No. 2	Woodford Island	D	2015	231,795	231,795	2010	POST	14,356
Sewerage Treatment Plants	CVC-STP-222	Woodford Island Sewerage Treatment Plant	Aeration Blowers	Aeration Blower No. 3	Woodford Island	D	2015	231,795	231,795	2010	POST	14,356
Sewerage Treatment Plants	CVC-STP-223	Woodford Island Sewerage Treatment Plant	Aeration Blowers	Aeration Blower No. 1 Field Termination Panel	Woodford Island	D	2015	5,176	5,176	2010	POST	321
Sewerage Treatment Plants	CVC-STP-224	Woodford Island Sewerage Treatment Plant	Aeration Blowers	Aeration Blower No. 2 Field Termination Panel	Woodford Island	D	2015	5,176	5,176	2010	POST	321
Sewerage Treatment Plants	CVC-STP-225	Woodford Island Sewerage Treatment Plant	Aeration Blowers	Aeration Blower No. 3 Field Termination Panel	Woodford Island	D	2015	5,176	5,176	2010	POST	321
Sewerage Treatment Plants	CVC-STP-226	Woodford Island Sewerage Treatment Plant	Aeration Blowers	Gantry beams x 2	Woodford Island	D	2015	12,669	12,669	2010	POST	785
Sewerage Treatment Plants	CVC-STP-227	Woodford Island Sewerage Treatment Plant	Aeration Blowers	Monocrane lifting devices x 2	Woodford Island	D	2015	16,483	16,483	2010	POST	1,021
Sewerage Treatment Plants	CVC-STP-228	Woodford Island Sewerage Treatment Plant	Aeration Blowers	Aeration Pipe Work	Woodford Island	D	2015	91,809	91,809	2010	POST	5,686
Sewerage Treatment Plants	CVC-STP-229	Woodford Island Sewerage Treatment Plant	Aeration Blowers	Aeration Pipe Work Pressure Sensor	Woodford Island	D	2015	4,141	4,141	2010	POST	256
Sewerage Treatment Plants	CVC-STP-230	Woodford Island Sewerage Treatment Plant	Aeration Blowers	Aeration Pipe Work Valve Actuators x 2	Woodford Island	D	2015	13,457	13,457	2010	POST	833
Sewerage Treatment Plants	CVC-STP-231	Woodford Island Sewerage Treatment Plant	Sludge Lagoons	Lagoon 1 Structure	Woodford Island	D	2015	221,708	221,708	2010	POST	13,731
Sewerage Treatment Plants	CVC-STP-232	Woodford Island Sewerage Treatment Plant	Sludge Lagoons	Lagoon 1 Pipe work & fittings	Woodford Island	D	2015	10,711	10,711	2010	POST	663
Sewerage Treatment Plants	CVC-STP-233	Woodford Island Sewerage Treatment Plant	Sludge Lagoons	Lagoon 1 Siteworks -Fencing	Woodford Island	D	2015	14,781	14,781	2010	POST	915
Sewerage Treatment Plants	CVC-STP-234	Woodford Island Sewerage Treatment Plant	Sludge Lagoons	Lagoon 1 Level Instruments	Woodford Island	D	2015	3,105	3,105	2010	POST	192
Sewerage Treatment Plants	CVC-STP-235	Woodford Island Sewerage Treatment Plant	Sludge Lagoons	Lagoon 2 Structure	Woodford Island	D	2015	221,708	221,708	2010	POST	13,731
Sewerage Treatment Plants	CVC-STP-236	Woodford Island Sewerage Treatment Plant	Sludge Lagoons	Lagoon 2 Pipe work & fittings	Woodford Island	D	2015	10,711	10,711	2010	POST	663
Sewerage Treatment Plants	CVC-STP-237	Woodford Island Sewerage Treatment Plant	Sludge Lagoons	Lagoon 2 Siteworks -Fencing	Woodford Island	D	2015	14,781	14,781	2010	POST	915
Sewerage Treatment Plants	CVC-STP-238	Woodford Island Sewerage Treatment Plant	Sludge Lagoons	Lagoon 2 Level Instruments	Woodford Island	D	2015	3,105	3,105	2010	POST	192
Sewerage Treatment Plants	CVC-STP-239	Woodford Island Sewerage Treatment Plant	Sludge Lagoons	Lagoon 3 Structure	Woodford Island	D	2015	221,708	221,708	2010	POST	13,731
Sewerage Treatment Plants	CVC-STP-240	Woodford Island Sewerage Treatment Plant	Sludge Lagoons	Lagoon 3 Pipe work & fittings	Woodford Island	D	2015	10,711	10,711	2010	POST	663
Sewerage Treatment Plants	CVC-STP-241	Woodford Island Sewerage Treatment Plant	Sludge Lagoons	Lagoon 3 Siteworks -Fencing	Woodford Island	D	2015	14,781	14,781	2010	POST	915
Sewerage Treatment Plants	CVC-STP-242	Woodford Island Sewerage Treatment Plant	Sludge Lagoons	Lagoon 3 Level Instruments	Woodford Island	D	2015	3,105	3,105	2010	POST	192
Sewerage Treatment Plants	CVC-STP-243	Woodford Island Sewerage Treatment Plant	Sludge Lagoons	Siteworks -Lighting	Woodford Island	D	2015	7,918	7,918	2010	POST	490
Sewerage Treatment Plants	CVC-STP-244	Woodford Island Sewerage Treatment Plant	Supernatant Pump Station	Pump Well Structure	Woodford Island	D	2015	89,739	89,739	2010	POST	5,558
Sewerage Treatment Plants	CVC-STP-245	Woodford Island Sewerage Treatment Plant	Supernatant Pump Station	Supernatant Pump 1	Woodford Island	D	2015	15,453	15,453	2010	POST	957
Sewerage Treatment Plants	CVC-STP-246	Woodford Island Sewerage Treatment Plant	Supernatant Pump Station	Supernatant Pump 2	Woodford Island	D	2015	15,453	15,453	2010	POST	957
Sewerage Treatment Plants	CVC-STP-247	Woodford Island Sewerage Treatment Plant	Supernatant Pump Station	Pipe work & fittings	Woodford Island	D	2015	19,892	19,892	2010	POST	1,232
Sewerage Treatment Plants	CVC-STP-248	Woodford Island Sewerage Treatment Plant	Supernatant Pump Station	Field Termination Panel	Woodford Island	D	2015	5,176	5,176	2010	POST	321
Sewerage Treatment Plants	CVC-STP-249	Woodford Island Sewerage Treatment Plant	Supernatant Pump Station	Concrete Hard Stand	Woodford Island	D	2015	12,669	12,669	2010	POST	785
Sewerage Treatment Plants	CVC-STP-250	Woodford Island Sewerage Treatment Plant	Supernatant Pump Station	Siteworks -Lighting	Woodford Island	D	2015	1,584	1,584	2010	POST	98

Asset Category	Asset ID	Asset Name	Segment Name	Description	Development Area Name	Development Area	Valuation Year	Gross (2015\$)	Gross (2015\$) - Adjusted	Construction Year	Pre or Post 1996 Asset	Capital Charge (2016\$)
Sewerage Treatment Plants	CVC-STP-251	Woodford Island Sewerage Treatment Plant	Sludge Dewatering	Dewatering Unit mounting Structure	Woodford Island	D	2015	114,021	114,021	2010	POST	7,062
Sewerage Treatment Plants	CVC-STP-252	Woodford Island Sewerage Treatment Plant	Sludge Dewatering	Safety Shower	Woodford Island	D	2015	2,060	2,060	2010	POST	128
Sewerage Treatment Plants	CVC-STP-253	Woodford Island Sewerage Treatment Plant	Sludge Dewatering	Siteworks -Lighting	Woodford Island	D	2015	4,751	4,751	2010	POST	294
Sewerage Treatment Plants	CVC-STP-254	Woodford Island Sewerage Treatment Plant	Sludge Dewatering	Connection Box	Woodford Island	D	2015	6,211	6,211	2010	POST	385
Sewerage Treatment Plants	CVC-STP-255	Woodford Island Sewerage Treatment Plant	Power & Control - Main control room	Telemetry & SCADA	Woodford Island	D	2015	10,352	10,352	2010	POST	641
Sewerage Treatment Plants	CVC-STP-256	Woodford Island Sewerage Treatment Plant	Power & Control - Main control room	Control Panel- Power factor correction, Main SCA No. 1, Main SB and Auto control	Woodford Island	D	2015	1,223,547	1,223,547	2010	POST	75,778
Sewerage Treatment Plants	CVC-STP-257	Woodford Island Sewerage Treatment Plant	Power & Control - Main control room	Variable Speed Controllers	Woodford Island	D	2015	216,139	216,139	2010	POST	13,386
Sewerage Treatment Plants	CVC-STP-258	Woodford Island Sewerage Treatment Plant	Filtered Effluent Lagoon	Structure -Earth Structure with Concrete edges	Woodford Island	D	2015	897,388	897,388	2010	POST	55,578
Sewerage Treatment Plants	CVC-STP-259	Woodford Island Sewerage Treatment Plant	Filtered Effluent Lagoon	Pipe work & fittings	Woodford Island	D	2015	21,422	21,422	2010	POST	1,327
Sewerage Treatment Plants	CVC-STP-260	Woodford Island Sewerage Treatment Plant	Filtered Effluent Lagoon	Siteworks -fencing	Woodford Island	D	2015	15,836	15,836	2010	POST	981
Sewerage Treatment Plants	CVC-STP-261	Woodford Island Sewerage Treatment Plant	Filtered Effluent Lagoon	Siteworks -Lighting	Woodford Island	D	2015	1,584	1,584	2010	POST	98
Sewerage Treatment Plants	CVC-STP-262	Woodford Island Sewerage Treatment Plant	Chemical Dosing	Chemical Area Distribution Board & Electrical Work	Woodford Island	D	2015	25,879	25,879	2010	POST	1,603
Sewerage Treatment Plants	CVC-STP-263	Woodford Island Sewerage Treatment Plant	Chemical Dosing	Alum dosing Civil works	Woodford Island	D	2015	47,509	47,509	2010	POST	2,942
Sewerage Treatment Plants	CVC-STP-264	Woodford Island Sewerage Treatment Plant	Chemical Dosing	Alum Storage Tank 1	Woodford Island	D	2015	25,755	25,755	2010	POST	1,595
Sewerage Treatment Plants	CVC-STP-265	Woodford Island Sewerage Treatment Plant	Chemical Dosing	Alum Storage Tank 2	Woodford Island	D	2015	25,755	25,755	2010	POST	1,595
Sewerage Treatment Plants	CVC-STP-266	Woodford Island Sewerage Treatment Plant	Chemical Dosing	Alum Storage Tank 1 Level Monitor	Woodford Island	D	2015	5,176	5,176	2010	POST	321
Sewerage Treatment Plants	CVC-STP-267	Woodford Island Sewerage Treatment Plant	Chemical Dosing	Alum Storage Tank 2 Level Monitor	Woodford Island	D	2015	5,176	5,176	2010	POST	321
Sewerage Treatment Plants	CVC-STP-268	Woodford Island Sewerage Treatment Plant	Chemical Dosing	Alum Dosing Pump 1	Woodford Island	D	2015	6,181	6,181	2010	POST	383
Sewerage Treatment Plants	CVC-STP-269	Woodford Island Sewerage Treatment Plant	Chemical Dosing	Alum Dosing Pump 2	Woodford Island	D	2015	6,181	6,181	2010	POST	383
Sewerage Treatment Plants	CVC-STP-270	Woodford Island Sewerage Treatment Plant	Chemical Dosing	Alum Dosing Pump 3	Woodford Island	D	2015	6,181	6,181	2010	POST	383
Sewerage Treatment Plants	CVC-STP-271	Woodford Island Sewerage Treatment Plant	Chemical Dosing	Alum Dosing Pump 4	Woodford Island	D	2015	6,181	6,181	2010	POST	383
Sewerage Treatment Plants	CVC-STP-272	Woodford Island Sewerage Treatment Plant	Chemical Dosing	Alum Dosing Pump 5	Woodford Island	D	2015	6,181	6,181	2010	POST	383
Sewerage Treatment Plants	CVC-STP-273	Woodford Island Sewerage Treatment Plant	Chemical Dosing	Alum Dosing Level sensors x 2	Woodford Island	D	2015	6,211	6,211	2010	POST	385
Sewerage Treatment Plants	CVC-STP-274	Woodford Island Sewerage Treatment Plant	Chemical Dosing	Alum Dosing Pipework & Fittings	Woodford Island	D	2015	122,412	122,412	2010	POST	7,581
Sewerage Treatment Plants	CVC-STP-275	Woodford Island Sewerage Treatment Plant	Chemical Dosing	Alum Dosing Safety Showers x 2	Woodford Island	D	2015	4,121	4,121	2010	POST	255
Sewerage Treatment Plants	CVC-STP-276	Woodford Island Sewerage Treatment Plant	Chemical Dosing	Alum Siteworks -Lighting	Woodford Island	D	2015	4,751	4,751	2010	POST	294
Sewerage Treatment Plants	CVC-STP-277	Woodford Island Sewerage Treatment Plant	Chemical Dosing	Hypo dosing Civil works	Woodford Island	D	2015	47,509	47,509	2010	POST	2,942
Sewerage Treatment Plants	CVC-STP-278	Woodford Island Sewerage Treatment Plant	Chemical Dosing	Hypo Storage Tank	Woodford Island	D	2015	20,604	20,604	2010	POST	1,276
Sewerage Treatment Plants	CVC-STP-279	Woodford Island Sewerage Treatment Plant	Chemical Dosing	Hypo Storage Tank Level Monitor	Woodford Island	D	2015	6,211	6,211	2010	POST	385

Asset Category	Asset ID	Asset Name	Segment Name	Description	Development Area Name	Development Area	Valuation Year	Gross (2015\$)	Gross (2015\$) - Adjusted	Construction Year	Pre or Post 1996 Asset	Capital Charge (2016\$)
Sewerage Treatment Plants	CVC-STP-280	Woodford Island Sewerage Treatment Plant	Chemical Dosing	Hypo Dosing Pump 1	Woodford Island	D	2015	6,181	6,181	2010	POST	383
Sewerage Treatment Plants	CVC-STP-281	Woodford Island Sewerage Treatment Plant	Chemical Dosing	Hypo Dosing Pump 2	Woodford Island	D	2015	6,181	6,181	2010	POST	383
Sewerage Treatment Plants	CVC-STP-282	Woodford Island Sewerage Treatment Plant	Chemical Dosing	Hypo Dosing Level sensors	Woodford Island	D	2015	6,211	6,211	2010	POST	385
Sewerage Treatment Plants	CVC-STP-283	Woodford Island Sewerage Treatment Plant	Chemical Dosing	Hypo Dosing Pipework & Fittings	Woodford Island	D	2015	8,161	8,161	2010	POST	505
Sewerage Treatment Plants	CVC-STP-284	Woodford Island Sewerage Treatment Plant	Chemical Dosing	Hypo Dosing Safety Shower	Woodford Island	D	2015	2,576	2,576	2010	POST	160
Sewerage Treatment Plants	CVC-STP-285	Woodford Island Sewerage Treatment Plant	Chemical Dosing	Hypo Dosing Siteworks - Lighting	Woodford Island	D	2015	3,167	3,167	2010	POST	196
Sewerage Treatment Plants	CVC-STP-286	Woodford Island Sewerage Treatment Plant	Chemical Dosing	Caustic Soda dosing Civil works	Woodford Island	D	2015	47,509	47,509	2010	POST	2,942
Sewerage Treatment Plants	CVC-STP-287	Woodford Island Sewerage Treatment Plant	Chemical Dosing	Caustic Soda Storage Tank	Woodford Island	D	2015	20,604	20,604	2010	POST	1,276
Sewerage Treatment Plants	CVC-STP-288	Woodford Island Sewerage Treatment Plant	Chemical Dosing	Caustic Soda Storage Tank Level Monitor	Woodford Island	D	2015	6,211	6,211	2010	POST	385
Sewerage Treatment Plants	CVC-STP-289	Woodford Island Sewerage Treatment Plant	Chemical Dosing	Caustic Soda Dosing Pump 1	Woodford Island	D	2015	6,181	6,181	2010	POST	383
Sewerage Treatment Plants	CVC-STP-290	Woodford Island Sewerage Treatment Plant	Chemical Dosing	Caustic Soda Dosing Pump 2	Woodford Island	D	2015	6,181	6,181	2010	POST	383
Sewerage Treatment Plants	CVC-STP-291	Woodford Island Sewerage Treatment Plant	Chemical Dosing	Caustic Soda Dosing Pump 3	Woodford Island	D	2015	6,181	6,181	2010	POST	383
Sewerage Treatment Plants	CVC-STP-292	Woodford Island Sewerage Treatment Plant	Chemical Dosing	Caustic Soda Dosing Level sensor	Woodford Island	D	2015	3,105	3,105	2010	POST	192
Sewerage Treatment Plants	CVC-STP-293	Woodford Island Sewerage Treatment Plant	Chemical Dosing	Caustic Soda Dosing Pipework & Fittings	Woodford Island	D	2015	12,241	12,241	2010	POST	758
Sewerage Treatment Plants	CVC-STP-294	Woodford Island Sewerage Treatment Plant	Chemical Dosing	Caustic Soda Dosing Safety Shower	Woodford Island	D	2015	2,576	2,576	2010	POST	160
Sewerage Treatment Plants	CVC-STP-295	Woodford Island Sewerage Treatment Plant	Chemical Dosing	Caustic Soda Recirculation pump	Woodford Island	D	2015	2,060	2,060	2010	POST	128
Sewerage Treatment Plants	CVC-STP-296	Woodford Island Sewerage Treatment Plant	Chemical Dosing	Caustic Soda Dosing Siteworks -Lighting	Woodford Island	D	2015	3,167	3,167	2010	POST	196
Sewerage Treatment Plants	CVC-STP-297	Woodford Island Sewerage Treatment Plant	Chemical Dosing	Chemical Area Common Lighting	Woodford Island	D	2015	2,112	2,112	2010	POST	131
Sewerage Treatment Plants	CVC-STP-298	Woodford Island Sewerage Treatment Plant	Chemical Dosing	Chemical Loading Bay	Woodford Island	D	2015	51,732	51,732	2010	POST	3,204
Sewerage Treatment Plants	CVC-STP-299	Woodford Island Sewerage Treatment Plant	Chemical Dosing	Hard Stand	Woodford Island	D	2015	28,505	28,505	2010	POST	1,765
Sewerage Treatment Plants	CVC-STP-300	Woodford Island Sewerage Treatment Plant	Reuse Storage	Structure -Earth Structure with Concrete edges	Woodford Island	D	2015	633,450	633,450	2010	POST	39,232
Sewerage Treatment Plants	CVC-STP-301	Woodford Island Sewerage Treatment Plant	Reuse Storage	Concrete Weir structure	Woodford Island	D	2015	21,115	21,115	2010	POST	1,308
Sewerage Treatment Plants	CVC-STP-302	Woodford Island Sewerage Treatment Plant	Reuse Storage	Pipe work & fittings	Woodford Island	D	2015	30,603	30,603	2010	POST	1,895
Sewerage Treatment Plants	CVC-STP-303	Woodford Island Sewerage Treatment Plant	Reuse Storage	Level instrument	Woodford Island	D	2015	3,105	3,105	2010	POST	192
Sewerage Treatment Plants	CVC-STP-304	Woodford Island Sewerage Treatment Plant	Reuse Storage	Siteworks -fencing	Woodford Island	D	2015	11,085	11,085	2010	POST	687
Sewerage Treatment Plants	CVC-STP-305	Woodford Island Sewerage Treatment Plant	Waste Water Pump Station	Pump Well Structure	Woodford Island	D	2015	211,150	211,150	2010	POST	13,077
Sewerage Treatment Plants	CVC-STP-306	Woodford Island Sewerage Treatment Plant	Waste Water Pump Station	Pump Well Hard Stand	Woodford Island	D	2015	16,153	16,153	2010	POST	1,000
Sewerage Treatment Plants	CVC-STP-307	Woodford Island Sewerage Treatment Plant	Waste Water Pump Station	Pipe work & fittings	Woodford Island	D	2015	33,153	33,153	2010	POST	2,053
Sewerage Treatment Plants	CVC-STP-308	Woodford Island Sewerage Treatment Plant	Waste Water Pump Station	Waste Water Pump 1	Woodford Island	D	2015	25,755	25,755	2010	POST	1,595
Sewerage Treatment Plants	CVC-STP-309	Woodford Island Sewerage Treatment Plant	Waste Water Pump Station	Waste Water Pump 2	Woodford Island	D	2015	25,755	25,755	2010	POST	1,595

Asset Category	Asset ID	Asset Name	Segment Name	Description	Development Area Name	Development Area	Valuation Year	Gross (2015\$)	Gross (2015\$) - Adjusted	Construction Year	Pre or Post 1996 Asset	Capital Charge (2016\$)
Sewerage Treatment Plants	CVC-STP-310	Woodford Island Sewerage Treatment Plant	Waste Water Pump Station	Waste Water Pumps Field Termination Panel	Woodford Island	D	2015	6,211	6,211	2010	POST	385
Sewerage Treatment Plants	CVC-STP-311	Woodford Island Sewerage Treatment Plant	Tertiary Filtration	Structure- Filter ,Flocculation & Alum Mixing tanks	Woodford Island	D	2015	686,238	686,238	2010	POST	42,501
Sewerage Treatment Plants	CVC-STP-312	Woodford Island Sewerage Treatment Plant	Tertiary Filtration	Gantry Beam	Woodford Island	D	2015	10,558	10,558	2010	POST	654
Sewerage Treatment Plants	CVC-STP-313	Woodford Island Sewerage Treatment Plant	Tertiary Filtration	Electrical Hoist	Woodford Island	D	2015	3,105	3,105	2010	POST	192
Sewerage Treatment Plants	CVC-STP-314	Woodford Island Sewerage Treatment Plant	Tertiary Filtration	Filter Valve Actuators x 8	Woodford Island	D	2015	53,828	53,828	2010	POST	3,334
Sewerage Treatment Plants	CVC-STP-315	Woodford Island Sewerage Treatment Plant	Tertiary Filtration	Air Vent Valve Actuators x 2	Woodford Island	D	2015	6,211	6,211	2010	POST	385
Sewerage Treatment Plants	CVC-STP-316	Woodford Island Sewerage Treatment Plant	Tertiary Filtration	Air Scour Actuators x 2	Woodford Island	D	2015	7,246	7,246	2010	POST	449
Sewerage Treatment Plants	CVC-STP-317	Woodford Island Sewerage Treatment Plant	Tertiary Filtration	Air Scour Pipe Work	Woodford Island	D	2015	40,804	40,804	2010	POST	2,527
Sewerage Treatment Plants	CVC-STP-318	Woodford Island Sewerage Treatment Plant	Tertiary Filtration	Pressure Transducers x 2	Woodford Island	D	2015	8,281	8,281	2010	POST	513
Sewerage Treatment Plants	CVC-STP-319	Woodford Island Sewerage Treatment Plant	Tertiary Filtration	Air Scour Blower 1	Woodford Island	D	2015	25,755	25,755	2010	POST	1,595
Sewerage Treatment Plants	CVC-STP-320	Woodford Island Sewerage Treatment Plant	Tertiary Filtration	Air Scour Blower 2	Woodford Island	D	2015	25,755	25,755	2010	POST	1,595
Sewerage Treatment Plants	CVC-STP-321	Woodford Island Sewerage Treatment Plant	Tertiary Filtration	Air Scour Blower Field Termination Panel	Woodford Island	D	2015	5,176	5,176	2010	POST	321
Sewerage Treatment Plants	CVC-STP-322	Woodford Island Sewerage Treatment Plant	Tertiary Filtration	Air Scour Blower Valve Actuator	Woodford Island	D	2015	3,623	3,623	2010	POST	224
Sewerage Treatment Plants	CVC-STP-323	Woodford Island Sewerage Treatment Plant	Tertiary Filtration	Filter Pipe work & Fittings	Woodford Island	D	2015	255,025	255,025	2010	POST	15,795
Sewerage Treatment Plants	CVC-STP-324	Woodford Island Sewerage Treatment Plant	Tertiary Filtration	Filter 1 Inlet Gate Actuator	Woodford Island	D	2015	7,764	7,764	2010	POST	481
Sewerage Treatment Plants	CVC-STP-325	Woodford Island Sewerage Treatment Plant	Tertiary Filtration	Filter 1 Ultrasonic Level Sensors	Woodford Island	D	2015	3,105	3,105	2010	POST	192
Sewerage Treatment Plants	CVC-STP-326	Woodford Island Sewerage Treatment Plant	Tertiary Filtration	Filter 2 Inlet Gate Actuator	Woodford Island	D	2015	7,764	7,764	2010	POST	481
Sewerage Treatment Plants	CVC-STP-327	Woodford Island Sewerage Treatment Plant	Tertiary Filtration	Filter 2 Ultrasonic Level Sensors	Woodford Island	D	2015	3,105	3,105	2010	POST	192
Sewerage Treatment Plants	CVC-STP-328	Woodford Island Sewerage Treatment Plant	Tertiary Filtration	Flocculation tank 1 mixer	Woodford Island	D	2015	15,453	15,453	2010	POST	957
Sewerage Treatment Plants	CVC-STP-329	Woodford Island Sewerage Treatment Plant	Tertiary Filtration	Flocculation tank 2 mixer	Woodford Island	D	2015	15,453	15,453	2010	POST	957
Sewerage Treatment Plants	CVC-STP-330	Woodford Island Sewerage Treatment Plant	Tertiary Filtration	Flocculation/Alum mixing tank mixer Field Termination Panel	Woodford Island	D	2015	5,176	5,176	2010	POST	321
Sewerage Treatment Plants	CVC-STP-331	Woodford Island Sewerage Treatment Plant	Tertiary Filtration	Alum Mixing Tank Mixer	Woodford Island	D	2015	15,453	15,453	2010	POST	957
Sewerage Treatment Plants	CVC-STP-332	Woodford Island Sewerage Treatment Plant	Tertiary Filtration	Siteworks -Lighting	Woodford Island	D	2015	9,502	9,502	2010	POST	588
Sewerage Treatment Plants	CVC-STP-333	Woodford Island Sewerage Treatment Plant	Recycled Water Pump Station	Pump Well Structure (includes whole well structure)	Woodford Island	D	2015	475,088	475,088	2010	POST	29,424
Sewerage Treatment Plants	CVC-STP-334	Woodford Island Sewerage Treatment Plant	Recycled Water Pump Station	Recycled Water Pump 1	Woodford Island	D	2015	46,359	46,359	2010	POST	2,871
Sewerage Treatment Plants	CVC-STP-335	Woodford Island Sewerage Treatment Plant	Recycled Water Pump Station	Recycled Water Pump 2	Woodford Island	D	2015	46,359	46,359	2010	POST	2,871
Sewerage Treatment Plants	CVC-STP-336	Woodford Island Sewerage Treatment Plant	Recycled Water Pump Station	Recycled Water Pipework & Fittings	Woodford Island	D	2015	59,676	59,676	2010	POST	3,696
Sewerage Treatment Plants	CVC-STP-337	Woodford Island Sewerage Treatment Plant	Recycled Water Pump Station	Backwash Supply Flowmeter	Woodford Island	D	2015	10,352	10,352	2010	POST	641
Sewerage Treatment Plants	CVC-STP-338	Woodford Island Sewerage Treatment Plant	Recycled Water Pump Station	Recycled Water Pump Field Termination Panel	Woodford Island	D	2015	10,352	10,352	2010	POST	641

Asset Category	Asset ID	Asset Name	Segment Name	Description	Development Area Name	Development Area	Valuation Year	Gross (2015\$)	Gross (2015\$) - Adjusted	Construction Year	Pre or Post 1996 Asset	Capital Charge (2016\$)
Sewerage Treatment Plants	CVC-STP-339	Woodford Island Sewerage Treatment Plant	Recycled Water Pump Station	Siteworks -Lighting	Woodford Island	D	2015	1,584	1,584	2010	POST	98
Sewerage Treatment Plants	CVC-STP-340	Woodford Island Sewerage Treatment Plant	Recycled Water Pump Station	Level sensor	Woodford Island	D	2015	3,105	3,105	2010	POST	192
Sewerage Treatment Plants	CVC-STP-341	Woodford Island Sewerage Treatment Plant	River Release Water Pump Station	River Release Pump 1	Woodford Island	D	2015	30,906	30,906	2010	POST	1,914
Sewerage Treatment Plants	CVC-STP-342	Woodford Island Sewerage Treatment Plant	River Release Water Pump Station	River Release Pump 2	Woodford Island	D	2015	30,906	30,906	2010	POST	1,914
Sewerage Treatment Plants	CVC-STP-343	Woodford Island Sewerage Treatment Plant	River Release Water Pump Station	River Release Pump 3	Woodford Island	D	2015	30,906	30,906	2010	POST	1,914
Sewerage Treatment Plants	CVC-STP-344	Woodford Island Sewerage Treatment Plant	River Release Water Pump Station	River Release Pump 4	Woodford Island	D	2015	30,906	30,906	2010	POST	1,914
Sewerage Treatment Plants	CVC-STP-345	Woodford Island Sewerage Treatment Plant	River Release Water Pump Station	River Release Pipework & Fittings	Woodford Island	D	2015	79,568	79,568	2010	POST	4,928
Sewerage Treatment Plants	CVC-STP-346	Woodford Island Sewerage Treatment Plant	River Release Water Pump Station	Level sensor	Woodford Island	D	2015	3,105	3,105	2010	POST	192
Sewerage Treatment Plants	CVC-STP-347	Woodford Island Sewerage Treatment Plant	River Release Water Pump Station	Siteworks -Lighting	Woodford Island	D	2015	1,584	1,584	2010	POST	98
Sewerage Treatment Plants	CVC-STP-348	Woodford Island Sewerage Treatment Plant	River Release Water Pump Station	River Release Pump FTP	Woodford Island	D	2015	15,527	15,527	2010	POST	962
Sewerage Treatment Plants	CVC-STP-349	Woodford Island Sewerage Treatment Plant	River Release Water Pump Station	River Release Flowmeter	Woodford Island	D	2015	10,352	10,352	2010	POST	641
Sewerage Treatment Plants	CVC-STP-350	Woodford Island Sewerage Treatment Plant	Tertiary Pump Station	Filtrate Feed Pump 1	Woodford Island	D	2015	20,604	20,604	2010	POST	1,276
Sewerage Treatment Plants	CVC-STP-351	Woodford Island Sewerage Treatment Plant	Tertiary Pump Station	Filtrate Feed Pump 2	Woodford Island	D	2015	20,604	20,604	2010	POST	1,276
Sewerage Treatment Plants	CVC-STP-352	Woodford Island Sewerage Treatment Plant	Tertiary Pump Station	Tertiary Pipework & Fittings	Woodford Island	D	2015	26,523	26,523	2010	POST	1,643
Sewerage Treatment Plants	CVC-STP-353	Woodford Island Sewerage Treatment Plant	Tertiary Pump Station	Unfiltered effluent Flowmeter	Woodford Island	D	2015	8,281	8,281	2010	POST	513
Sewerage Treatment Plants	CVC-STP-354	Woodford Island Sewerage Treatment Plant	Tertiary Pump Station	Siteworks -Lighting	Woodford Island	D	2015	1,553	1,553	2010	POST	96
Sewerage Treatment Plants	CVC-STP-355	Woodford Island Sewerage Treatment Plant	Tertiary Pump Station	Level sensor	Woodford Island	D	2015	3,105	3,105	2010	POST	192
Sewerage Treatment Plants	CVC-STP-356	Woodford Island Sewerage Treatment Plant	Site Reuse Pump Station	Site Reuse Pump 1	Woodford Island	D	2015	12,362	12,362	2010	POST	766
Sewerage Treatment Plants	CVC-STP-357	Woodford Island Sewerage Treatment Plant	Site Reuse Pump Station	Site Reuse Pump 2	Woodford Island	D	2015	12,362	12,362	2010	POST	766
Sewerage Treatment Plants	CVC-STP-358	Woodford Island Sewerage Treatment Plant	Site Reuse Pump Station	Site Reuse Pipework & Fittings	Woodford Island	D	2015	15,914	15,914	2010	POST	986
Sewerage Treatment Plants	CVC-STP-359	Woodford Island Sewerage Treatment Plant	Site Reuse Pump Station	Site Reuse Flowmeter	Woodford Island	D	2015	6,211	6,211	2010	POST	385
Sewerage Treatment Plants	CVC-STP-360	Woodford Island Sewerage Treatment Plant	Site Reuse Pump Station	Site Reuse Pump Pressure Tanks x 2	Woodford Island	D	2015	2,040	2,040	2010	POST	126
Sewerage Treatment Plants	CVC-STP-361	Woodford Island Sewerage Treatment Plant	Site Reuse Pump Station	Site Reuse Pump Field Termination Panel	Woodford Island	D	2015	5,176	5,176	2010	POST	321
Sewerage Treatment Plants	CVC-STP-362	Woodford Island Sewerage Treatment Plant	Golf Course Jacking Pump	Golf Course Jacking Pump	Woodford Island	D	2015	15,453	15,453	2010	POST	957
Sewerage Treatment Plants	CVC-STP-363	Woodford Island Sewerage Treatment Plant	Golf Course Jacking Pump	Pressure Tanks x 2	Woodford Island	D	2015	2,040	2,040	2010	POST	126

Asset Category	Asset ID	Asset Name	Segment Name	Description	Development Area Name	Development Area	Valuation Year	Gross (2015\$)	Gross (2015\$) - Adjusted	Construction Year	Pre or Post 1996 Asset	Capital Charge (2016\$)
Sewerage Treatment Plants	CVC-STP-364	Woodford Island Sewerage Treatment Plant	Golf Course Jacking Pump	Pipework & Fittings	Woodford Island	D	2015	9,946	9,946	2010	POST	616
Sewerage Treatment Plants	CVC-STP-365	Woodford Island Sewerage Treatment Plant	Golf Course Jacking Pump	Pressure Reducing Valve	Woodford Island	D	2015	15,453	15,453	2010	POST	957
Sewerage Treatment Plants	CVC-STP-366	Woodford Island Sewerage Treatment Plant	Golf Course Site Reuse High Flow Pump Station	Golf Course Site Reuse High Flow Pump 1	Woodford Island	D	2015	25,755	25,755	2010	POST	1,595
Sewerage Treatment Plants	CVC-STP-367	Woodford Island Sewerage Treatment Plant	Golf Course Site Reuse High Flow Pump Station	Golf Course Site Reuse High Flow Pump 2	Woodford Island	D	2015	25,755	25,755	2010	POST	1,595
Sewerage Treatment Plants	CVC-STP-368	Woodford Island Sewerage Treatment Plant	Golf Course Site Reuse High Flow Pump Station	Golf Course Site Reuse High Flow Pipework & Fittings	Woodford Island	D	2015	33,153	33,153	2010	POST	2,053
Sewerage Treatment Plants	CVC-STP-369	Woodford Island Sewerage Treatment Plant	Golf Course Site Reuse High Flow Pump Station	Golf Course Site Reuse High Flow Pump Field Termination Panel	Woodford Island	D	2015	5,176	5,176	2010	POST	321
Sewerage Treatment Plants	CVC-STP-370	Woodford Island Sewerage Treatment Plant	UV Disinfection	Golf Course Site Reuse UV reactor	Woodford Island	D	2015	31,055	31,055	2010	POST	1,923
Sewerage Treatment Plants	CVC-STP-371	Woodford Island Sewerage Treatment Plant	UV Disinfection	Golf Course Site Reuse Flow Meter	Woodford Island	D	2015	6,211	6,211	2010	POST	385
Sewerage Treatment Plants	CVC-STP-372	Woodford Island Sewerage Treatment Plant	UV Disinfection	Golf Course Site Reuse UV Pipe Work	Woodford Island	D	2015	18,362	18,362	2010	POST	1,137
Sewerage Treatment Plants	CVC-STP-373	Woodford Island Sewerage Treatment Plant	UV Disinfection	River Release UV - Reactor 1	Woodford Island	D	2015	155,273	155,273	2010	POST	9,617
Sewerage Treatment Plants	CVC-STP-374	Woodford Island Sewerage Treatment Plant	UV Disinfection	River Release UV - Reactor 2	Woodford Island	D	2015	155,273	155,273	2010	POST	9,617
Sewerage Treatment Plants	CVC-STP-375	Woodford Island Sewerage Treatment Plant	UV disinfection - Switch Room	Distribution Board	Woodford Island	D	2015	20,703	20,703	2010	POST	1,282
Sewerage Treatment Plants	CVC-STP-376	Woodford Island Sewerage Treatment Plant	UV disinfection - Switch Room	Golf Course Reuse UV generator & Control Panel	Woodford Island	D	2015	41,406	41,406	2010	POST	2,564
Sewerage Treatment Plants	CVC-STP-377	Woodford Island Sewerage Treatment Plant	UV disinfection - Switch Room	River Release UV Reactor 1 & 2 generator & Control Panel	Woodford Island	D	2015	124,218	124,218	2010	POST	7,693
Sewerage Treatment Plants	CVC-STP-378	Woodford Island Sewerage Treatment Plant	Main Control Building	Telemetry and SCADA	Woodford Island	D	2015	155,273	155,273	2010	POST	9,617
Sewerage Treatment Plants	CVC-STP-379	Woodford Island Sewerage Treatment Plant	Site works - Blower room driveway		Woodford Island	D	2015	30,406	30,406	2010	POST	1,883
Sewerage Treatment Plants	CVC-STP-380	Woodford Island Sewerage Treatment Plant	Site works - internal road Lighting		Woodford Island	D	2015	15,836	15,836	2010	POST	981
Sewerage Treatment Plants	CVC-STP-381	Woodford Island Sewerage Treatment Plant	Site works - Electrical cabling and Transformer		Woodford Island	D	2015	1,266,900	1,266,900	2010	POST	78,463
Sewerage Treatment Plants	CVC-STP-382	Woodford Island Sewerage Treatment Plant	Site works - internal roads and kerbing		Woodford Island	D	2015	2,005,925	2,005,925	2010	POST	124,233
Sewerage Treatment Plants	CVC-STP-383	Woodford Island Sewerage Treatment Plant	Site works - Stormwater drainage		Woodford Island	D	2015	158,363	158,363	2010	POST	9,808
Sewerage Treatment Plants	CVC-STP-384	Woodford Island Sewerage Treatment Plant	Site works - Perimeter fencing		Woodford Island	D	2015	106,631	106,631	2010	POST	6,604
Sewerage Treatment Plants	CVC-STP-385	Yamba Sewerage Treatment Plant	Inlet Works	Inlet Pit Structure	Yamba	E	2015	43,708	43,708	2004	POST	3,022
Sewerage Treatment Plants	CVC-STP-386	Yamba Sewerage Treatment Plant	Inlet Works	Inlet Balance Tank Structure	Yamba	E	2015	127,429	127,429	2004	POST	8,810
Sewerage Treatment Plants	CVC-STP-387	Yamba Sewerage Treatment Plant	Inlet Works	Inlet Grit Channel and Vortex Chamber Structure	Yamba	E	2015	791,813	791,813	2004	POST	54,745
Sewerage Treatment Plants	CVC-STP-388	Yamba Sewerage Treatment Plant	Inlet Works	Step Screen	Yamba	E	2015	61,812	61,812	2004	POST	4,274
Sewerage Treatment Plants	CVC-STP-389	Yamba Sewerage Treatment Plant	Inlet Works	Screen press	Yamba	E	2015	41,208	41,208	2004	POST	2,849
Sewerage Treatment Plants	CVC-STP-390	Yamba Sewerage Treatment Plant	Inlet Works	Inlet Pipe Work & Fittings	Yamba	E	2015	122,412	122,412	2004	POST	8,463

Asset Category	Asset ID	Asset Name	Segment Name	Description	Development Area Name	Development Area	Valuation Year	Gross (2015\$)	Gross (2015\$) - Adjusted	Construction Year	Pre or Post 1996 Asset	Capital Charge (2016\$)
Sewerage Treatment Plants	CVC-STP-391	Yamba Sewerage Treatment Plant	Inlet Works	Odour Control Unit Foul Air Fan 1	Yamba	E	2015	16,483	16,483	2004	POST	1,140
Sewerage Treatment Plants	CVC-STP-392	Yamba Sewerage Treatment Plant	Inlet Works	Odour Control Unit Foul Air Fan 2	Yamba	E	2015	16,483	16,483	2004	POST	1,140
Sewerage Treatment Plants	CVC-STP-393	Yamba Sewerage Treatment Plant	Inlet Works	Odour Control Foul Air Pipe Work	Yamba	E	2015	36,724	36,724	2004	POST	2,539
Sewerage Treatment Plants	CVC-STP-394	Yamba Sewerage Treatment Plant	Inlet Works	Odour Control Unit Field Termination Panel	Yamba	E	2015	10,352	10,352	2004	POST	716
Sewerage Treatment Plants	CVC-STP-395	Yamba Sewerage Treatment Plant	Inlet Works	Grit Paddle mixer	Yamba	E	2015	360,570	360,570	2004	POST	24,929
Sewerage Treatment Plants	CVC-STP-396	Yamba Sewerage Treatment Plant	Inlet Works	Grit Paddle mixer Field Termination Panel	Yamba	E	2015	10,352	10,352	2004	POST	716
Sewerage Treatment Plants	CVC-STP-397	Yamba Sewerage Treatment Plant	Inlet Works	Vortex chamber Actuator Valve	Yamba	E	2015	3,105	3,105	2004	POST	215
Sewerage Treatment Plants	CVC-STP-398	Yamba Sewerage Treatment Plant	Inlet Works	Grit Classifier	Yamba	E	2015	123,624	123,624	2004	POST	8,547
Sewerage Treatment Plants	CVC-STP-399	Yamba Sewerage Treatment Plant	Inlet Works	Grit Blower 1	Yamba	E	2015	30,906	30,906	2004	POST	2,137
Sewerage Treatment Plants	CVC-STP-400	Yamba Sewerage Treatment Plant	Inlet Works	Grit Blower 2	Yamba	E	2015	30,906	30,906	2004	POST	2,137
Sewerage Treatment Plants	CVC-STP-401	Yamba Sewerage Treatment Plant	Inlet Works	Grit Blowers Field Termination Panel	Yamba	E	2015	10,352	10,352	2004	POST	716
Sewerage Treatment Plants	CVC-STP-402	Yamba Sewerage Treatment Plant	Inlet Works	Site Works -Lighting	Yamba	E	2015	4,223	4,223	2004	POST	292
Sewerage Treatment Plants	CVC-STP-403	Yamba Sewerage Treatment Plant	Inlet Works	Grit Bin Area Structure	Yamba	E	2015	11,613	11,613	2004	POST	803
Sewerage Treatment Plants	CVC-STP-404	Yamba Sewerage Treatment Plant	Inlet Works	Grit Bin Area Fencing	Yamba	E	2015	3,167	3,167	2004	POST	219
Sewerage Treatment Plants	CVC-STP-405	Yamba Sewerage Treatment Plant	Deodorising Bed	Structure	Yamba	E	2015	14,147	14,147	2004	POST	978
Sewerage Treatment Plants	CVC-STP-406	Yamba Sewerage Treatment Plant	Deodorising Bed	Pipe work & fittings	Yamba	E	2015	8,161	8,161	2004	POST	564
Sewerage Treatment Plants	CVC-STP-407	Yamba Sewerage Treatment Plant	Deodorising Bed	Sprinkler sensor Control	Yamba	E	2015	4,141	4,141	2004	POST	286
Sewerage Treatment Plants	CVC-STP-408	Yamba Sewerage Treatment Plant	Aeration Tank	Structure	Yamba	E	2015	2,303,224	2,303,224	1999	POST	159,241
Sewerage Treatment Plants	CVC-STP-409	Yamba Sewerage Treatment Plant	Aeration Tank	Decant Mechanism	Yamba	E	2015	309,060	309,060	1999	POST	21,368
Sewerage Treatment Plants	CVC-STP-410	Yamba Sewerage Treatment Plant	Aeration Tank	Surface Aerator 1	Yamba	E	2015	77,265	77,265	1999	POST	5,342
Sewerage Treatment Plants	CVC-STP-411	Yamba Sewerage Treatment Plant	Aeration Tank	Surface Aerator 2	Yamba	E	2015	77,265	77,265	1999	POST	5,342
Sewerage Treatment Plants	CVC-STP-412	Yamba Sewerage Treatment Plant	Aeration Tank	Surface Aerator 3	Yamba	E	2015	77,265	77,265	1999	POST	5,342
Sewerage Treatment Plants	CVC-STP-413	Yamba Sewerage Treatment Plant	Aeration Tank	Surface Aerator 4	Yamba	E	2015	77,265	77,265	1999	POST	5,342
Sewerage Treatment Plants	CVC-STP-414	Yamba Sewerage Treatment Plant	Aeration Tank	Aeration Tank Pipework	Yamba	E	2015	357,035	357,035	1999	POST	24,685
Sewerage Treatment Plants	CVC-STP-415	Yamba Sewerage Treatment Plant	Aeration Tank	Dissolved Oxygen Probe	Yamba	E	2015	10,352	10,352	1999	POST	716
Sewerage Treatment Plants	CVC-STP-416	Yamba Sewerage Treatment Plant	Aeration Tank	WAS Pump	Yamba	E	2015	25,755	25,755	1999	POST	1,781
Sewerage Treatment Plants	CVC-STP-417	Yamba Sewerage Treatment Plant	Aeration Tank	WAS Pump Field Termination Panel	Yamba	E	2015	6,211	6,211	1999	POST	429
Sewerage Treatment Plants	CVC-STP-418	Yamba Sewerage Treatment Plant	Supernatant Pumping Station	Structure adjacent to Aeration Tank	Yamba	E	2015	24,705	24,705	2012	POST	1,708
Sewerage Treatment Plants	CVC-STP-419	Yamba Sewerage Treatment Plant	Supernatant Pumping Station	Pump Well Structure	Yamba	E	2015	9,502	9,502	2012	POST	657
Sewerage Treatment Plants	CVC-STP-420	Yamba Sewerage Treatment Plant	Supernatant Pumping Station	Supernatant Pump	Yamba	E	2015	6,181	6,181	2012	POST	427
Sewerage Treatment Plants	CVC-STP-421	Yamba Sewerage Treatment Plant	Supernatant Pumping Station	Supernatant Pipe Work	Yamba	E	2015	10,711	10,711	2012	POST	741
Sewerage Treatment Plants	CVC-STP-422	Yamba Sewerage Treatment Plant	Supernatant Pumping Station	Supernatant Pump Field Termination Panel	Yamba	E	2015	5,176	5,176	2012	POST	358
Sewerage Treatment Plants	CVC-STP-446	Yamba Sewerage Treatment Plant	Chemical Dosing	Caustic Soda Dosing Civil Works	Yamba	E	2015	37,901	37,901	1999	POST	2,620
Sewerage Treatment Plants	CVC-STP-447	Yamba Sewerage Treatment Plant	Chemical Dosing	Caustic Soda Storage Tank	Yamba	E	2015	41,208	41,208	1999	POST	2,849
Sewerage Treatment Plants	CVC-STP-448	Yamba Sewerage Treatment Plant	Chemical Dosing	Caustic Soda Booster Pump	Yamba	E	2015	3,091	3,091	1999	POST	214
Sewerage Treatment Plants	CVC-STP-449	Yamba Sewerage Treatment Plant	Chemical Dosing	Caustic Soda Dosing Pump 1	Yamba	E	2015	6,181	6,181	1999	POST	427
Sewerage Treatment Plants	CVC-STP-450	Yamba Sewerage Treatment Plant	Chemical Dosing	Caustic Soda Dosing Pump 2	Yamba	E	2015	6,181	6,181	1999	POST	427
Sewerage Treatment Plants	CVC-STP-451	Yamba Sewerage Treatment Plant	Chemical Dosing	Caustic Soda Dosing Pump Control Panel	Yamba	E	2015	25,879	25,879	1999	POST	1,789

Asset Category	Asset ID	Asset Name	Segment Name	Description	Development Area Name	Development Area	Valuation Year	Gross (2015\$)	Gross (2015\$) - Adjusted	Construction Year	Pre or Post 1996 Asset	Capital Charge (2016\$)
Sewerage Treatment Plants	CVC-STP-452	Yamba Sewerage Treatment Plant	Chemical Dosing	Caustic Soda Dosing Pipe work & fittings	Yamba	E	2015	9,181	9,181	1999	POST	635
Sewerage Treatment Plants	CVC-STP-453	Yamba Sewerage Treatment Plant	Chemical Dosing	AlumDosing Civil Works	Yamba	E	2015	33,151	33,151	1999	POST	2,292
Sewerage Treatment Plants	CVC-STP-454	Yamba Sewerage Treatment Plant	Chemical Dosing	AlumStorage Tank	Yamba	E	2015	30,906	30,906	1999	POST	2,137
Sewerage Treatment Plants	CVC-STP-455	Yamba Sewerage Treatment Plant	Chemical Dosing	Safety Shower	Yamba	E	2015	2,060	2,060	1999	POST	142
Sewerage Treatment Plants	CVC-STP-456	Yamba Sewerage Treatment Plant	Chemical Dosing	AlumDosing Pump 1	Yamba	E	2015	6,181	6,181	1999	POST	427
Sewerage Treatment Plants	CVC-STP-457	Yamba Sewerage Treatment Plant	Chemical Dosing	AlumDosing Pump 2	Yamba	E	2015	6,181	6,181	1999	POST	427
Sewerage Treatment Plants	CVC-STP-458	Yamba Sewerage Treatment Plant	Chemical Dosing	AlumDosing Pump Control Panel	Yamba	E	2015	25,879	25,879	1999	POST	1,789
Sewerage Treatment Plants	CVC-STP-459	Yamba Sewerage Treatment Plant	Chemical Dosing	AlumDosing Pipe work & fittings	Yamba	E	2015	9,181	9,181	1999	POST	635
Sewerage Treatment Plants	CVC-STP-460	Yamba Sewerage Treatment Plant	Power & Control	Electrical -Main SCA & Auto Control & electrical cabling	Yamba	E	2015	315,721	315,721	1999	POST	21,828
Sewerage Treatment Plants	CVC-STP-461	Yamba Sewerage Treatment Plant	Power & Control	Telemetry	Yamba	E	2015	15,527	15,527	1999	POST	1,074
Sewerage Treatment Plants	CVC-STP-462	Yamba Sewerage Treatment Plant	Sludge Dewatering	Sludge Drying Bed structure	Yamba	E	2015	110,115	110,115	2012	POST	7,613
Sewerage Treatment Plants	CVC-STP-463	Yamba Sewerage Treatment Plant	Sludge Dewatering	BufferTank	Yamba	E	2015	31,673	31,673	2012	POST	2,190
Sewerage Treatment Plants	CVC-STP-464	Yamba Sewerage Treatment Plant	Sludge Dewatering	Buffer tank Agitator	Yamba	E	2015	3,091	3,091	2012	POST	214
Sewerage Treatment Plants	CVC-STP-465	Yamba Sewerage Treatment Plant	Sludge Dewatering	Rag Box	Yamba	E	2015	3,091	3,091	2012	POST	214
Sewerage Treatment Plants	CVC-STP-466	Yamba Sewerage Treatment Plant	Sludge Dewatering	Sludge Feed Pump 1	Yamba	E	2015	30,906	30,906	2012	POST	2,137
Sewerage Treatment Plants	CVC-STP-467	Yamba Sewerage Treatment Plant	Sludge Dewatering	Sludge Feed Pump 2	Yamba	E	2015	30,906	30,906	2012	POST	2,137
Sewerage Treatment Plants	CVC-STP-468	Yamba Sewerage Treatment Plant	Sludge Dewatering	Sludge Feed Pump Structure	Yamba	E	2015	14,147	14,147	2012	POST	978
Sewerage Treatment Plants	CVC-STP-469	Yamba Sewerage Treatment Plant	Sludge Dewatering	Sludge Feed Pump pipe Work & Fittings	Yamba	E	2015	18,362	18,362	2012	POST	1,270
Sewerage Treatment Plants	CVC-STP-470	Yamba Sewerage Treatment Plant	Sludge Dewatering	Mercirator pump	Yamba	E	2015	20,604	20,604	2012	POST	1,425
Sewerage Treatment Plants	CVC-STP-471	Yamba Sewerage Treatment Plant	Sludge Dewatering	Sludge Pump Well Structure	Yamba	E	2015	40,119	40,119	2012	POST	2,774
Sewerage Treatment Plants	CVC-STP-472	Yamba Sewerage Treatment Plant	Sludge Dewatering	Valve Pit Structure	Yamba	E	2015	12,880	12,880	2012	POST	891
Sewerage Treatment Plants	CVC-STP-473	Yamba Sewerage Treatment Plant	Sludge Dewatering	Sludge Pump 1	Yamba	E	2015	15,453	15,453	2012	POST	1,068
Sewerage Treatment Plants	CVC-STP-474	Yamba Sewerage Treatment Plant	Sludge Dewatering	Sludge Pump 2	Yamba	E	2015	15,453	15,453	2012	POST	1,068
Sewerage Treatment Plants	CVC-STP-475	Yamba Sewerage Treatment Plant	Sludge Dewatering	Sludge Pumps Pipe Work & Fittings	Yamba	E	2015	18,362	18,362	2012	POST	1,270
Sewerage Treatment Plants	CVC-STP-476	Yamba Sewerage Treatment Plant	Sludge Dewatering	Sludge Pump Field Termination Panel	Yamba	E	2015	5,176	5,176	2012	POST	358
Sewerage Treatment Plants	CVC-STP-477	Yamba Sewerage Treatment Plant	Sludge Dewatering	Safety Shower	Yamba	E	2015	2,576	2,576	2012	POST	178
Sewerage Treatment Plants	CVC-STP-478	Yamba Sewerage Treatment Plant	Sludge Dewatering	Sludge Dewatering Control-Autocontrol and electrical cabling	Yamba	E	2015	124,218	124,218	2012	POST	8,588
Sewerage Treatment Plants	CVC-STP-479	Yamba Sewerage Treatment Plant	Sludge Dewatering	Sludge Dewatering Telemetry	Yamba	E	2015	10,352	10,352	2012	POST	716
Sewerage Treatment Plants	CVC-STP-480	Yamba Sewerage Treatment Plant	Sludge Dewatering	Sludge Dewatering Variable Speed Controllers	Yamba	E	2015	15,527	15,527	2012	POST	1,074
Sewerage Treatment Plants	CVC-STP-481	Yamba Sewerage Treatment Plant	Sludge Dewatering	Polymer Feed Pump 1	Yamba	E	2015	15,453	15,453	2012	POST	1,068
Sewerage Treatment Plants	CVC-STP-482	Yamba Sewerage Treatment Plant	Sludge Dewatering	Polymer Feed Pump 2	Yamba	E	2015	15,453	15,453	2012	POST	1,068

Asset Category	Asset ID	Asset Name	Segment Name	Description	Development Area Name	Development Area	Valuation Year	Gross (2015\$)	Gross (2015\$) - Adjusted	Construction Year	Pre or Post 1996 Asset	Capital Charge (2016\$)
Sewerage Treatment Plants	CVC-STP-483	Yamba Sewerage Treatment Plant	Sludge Dewatering	Polymer Dosing Pipe Work	Yamba	E	2015	15,302	15,302	2012	POST	1,058
Sewerage Treatment Plants	CVC-STP-484	Yamba Sewerage Treatment Plant	Sludge Dewatering	Polymer Mixing Tank	Yamba	E	2015	10,302	10,302	2012	POST	712
Sewerage Treatment Plants	CVC-STP-485	Yamba Sewerage Treatment Plant	Sludge Dewatering	Polymer Mixing Tank Agitator	Yamba	E	2015	2,576	2,576	2012	POST	178
Sewerage Treatment Plants	CVC-STP-486	Yamba Sewerage Treatment Plant	Sludge Dewatering	Polymer Dosing Pump	Yamba	E	2015	8,242	8,242	2012	POST	570
Sewerage Treatment Plants	CVC-STP-487	Yamba Sewerage Treatment Plant	Sludge Dewatering	Flow Meters x 2	Yamba	E	2015	6,211	6,211	2012	POST	429
Sewerage Treatment Plants	CVC-STP-488	Yamba Sewerage Treatment Plant	Sludge Dewatering	Conditioning Tank	Yamba	E	2015	15,453	15,453	2012	POST	1,068
Sewerage Treatment Plants	CVC-STP-489	Yamba Sewerage Treatment Plant	Sludge Dewatering	Conditioning Tank Agitator	Yamba	E	2015	2,576	2,576	2012	POST	178
Sewerage Treatment Plants	CVC-STP-490	Yamba Sewerage Treatment Plant	Sludge Dewatering	Screw Press	Yamba	E	2015	334,815	334,815	2012	POST	23,149
Sewerage Treatment Plants	CVC-STP-491	Yamba Sewerage Treatment Plant	Sludge Dewatering	Sludge Conveyor 1	Yamba	E	2015	12,362	12,362	2012	POST	855
Sewerage Treatment Plants	CVC-STP-492	Yamba Sewerage Treatment Plant	Sludge Dewatering	Sludge Conveyor 2	Yamba	E	2015	12,362	12,362	2012	POST	855
Sewerage Treatment Plants	CVC-STP-493	Yamba Sewerage Treatment Plant	Main Control Building	Telemetry and SCADA	Yamba	E	2015	207,030	207,030	1999	POST	14,314
Sewerage Treatment Plants	CVC-STP-494	Yamba Sewerage Treatment Plant	Site works - internal roads and kerbing		Yamba	E	2015	48,565	48,565	1999	POST	3,358
Sewerage Treatment Plants	CVC-STP-495	Yamba Sewerage Treatment Plant	Site works - Stormwater drainage		Yamba	E	2015	31,673	31,673	1999	POST	2,190
Sewerage Treatment Plants	CVC-STP-496	Yamba Sewerage Treatment Plant	Site works - Perimeter fencing		Yamba	E	2015	84,460	84,460	1999	POST	5,839
Sewerage Treatment Plants	CVC-STP-553	North Grafton Sewerage Treatment Plant	Inlet Works	Step Screen	North Grafton	A	2015	82,416	82,416	2010	POST	3,831
Sewerage Treatment Plants	CVC-STP-554	North Grafton Sewerage Treatment Plant	Inlet Works	Screw Press	North Grafton	A	2015	51,510	51,510	2010	POST	2,394
Sewerage Treatment Plants	CVC-STP-555	North Grafton Sewerage Treatment Plant	Inlet Works	Step Screen & Screen Press Field Termination Panel	North Grafton	A	2015	10,352	10,352	2010	POST	481
Sewerage Treatment Plants	CVC-STP-556	North Grafton Sewerage Treatment Plant	Inlet Works	Ultrasonic Flow Sensors x 2	North Grafton	A	2015	6,211	6,211	2010	POST	289
Sewerage Treatment Plants	CVC-STP-557	North Grafton Sewerage Treatment Plant	Inlet Works	Grit Classifier	North Grafton	A	2015	123,624	123,624	2010	POST	5,746
Sewerage Treatment Plants	CVC-STP-558	North Grafton Sewerage Treatment Plant	Inlet Works	Field Termination Panel No 02	North Grafton	A	2015	10,352	10,352	2010	POST	481
Sewerage Treatment Plants	CVC-STP-559	North Grafton Sewerage Treatment Plant	Inlet Works	Grit Blower 1	North Grafton	A	2015	30,906	30,906	2010	POST	1,437
Sewerage Treatment Plants	CVC-STP-560	North Grafton Sewerage Treatment Plant	Inlet Works	Grit Blower 2	North Grafton	A	2015	30,906	30,906	2010	POST	1,437
Sewerage Treatment Plants	CVC-STP-561	North Grafton Sewerage Treatment Plant	Inlet Works	Inlet Pump Well Structure	North Grafton	A	2015	36,951	36,951	2010	POST	1,718
Sewerage Treatment Plants	CVC-STP-562	North Grafton Sewerage Treatment Plant	Inlet Works	Inlet Pump	North Grafton	A	2015	15,453	15,453	2010	POST	718
Sewerage Treatment Plants	CVC-STP-563	North Grafton Sewerage Treatment Plant	Inlet Works	Field Termination Panel No 03	North Grafton	A	2015	10,352	10,352	2010	POST	481
Sewerage Treatment Plants	CVC-STP-564	North Grafton Sewerage Treatment Plant	Inlet Works	Inlet Pipe Work	North Grafton	A	2015	91,809	91,809	2010	POST	4,268
Sewerage Treatment Plants	CVC-STP-565	North Grafton Sewerage Treatment Plant	Inlet Works	Ultrasonic Flow Sensors x 3 - Grit Channel	North Grafton	A	2015	9,316	9,316	2010	POST	433
Sewerage Treatment Plants	CVC-STP-566	North Grafton Sewerage Treatment Plant	Inlet Works	Site Works -Lighting	North Grafton	A	2015	3,167	3,167	2010	POST	147

Asset Category	Asset ID	Asset Name	Segment Name	Description	Development Area Name	Development Area	Valuation Year	Gross (2015\$)	Gross (2015\$) - Adjusted	Construction Year	Pre or Post 1996 Asset	Capital Charge (2016\$)
Sewerage Treatment Plants	CVC-STP-654	North Grafton Sewerage Treatment Plant	Power & Control - New Switch Room	Electrical Control- Motor control, Power Factor Correction, Distribution Board and soft starters	North Grafton	A	2015	667,672	667,672	2010	POST	31,035
Sewerage Treatment Plants	CVC-STP-655	North Grafton Sewerage Treatment Plant	Power & Control - New Switch Room	Telemetry & SCADA	North Grafton	A	2015	155,273	155,273	2010	POST	7,218
Sewerage Treatment Plants	CVC-STP-656	North Grafton Sewerage Treatment Plant	Power & Control - New Switch Room	Site Works -Lighting	North Grafton	A	2015	5,279	5,279	2010	POST	245
Sewerage Treatment Plants	CVC-STP-657	North Grafton UV & Effluent Facility	UV disinfection	UV Channel Structure	North Grafton	A	2015	126,690	126,690	2010	POST	5,889
Sewerage Treatment Plants	CVC-STP-658	North Grafton UV & Effluent Facility	UV disinfection	UV Bank A	North Grafton	A	2015	56,933	56,933	2010	POST	2,646
Sewerage Treatment Plants	CVC-STP-659	North Grafton UV & Effluent Facility	UV disinfection	UV Bank B	North Grafton	A	2015	56,933	56,933	2010	POST	2,646
Sewerage Treatment Plants	CVC-STP-660	North Grafton UV & Effluent Facility	UV disinfection	Field Termination Panel	North Grafton	A	2015	5,176	5,176	2010	POST	241
Sewerage Treatment Plants	CVC-STP-661	North Grafton UV & Effluent Facility	UV disinfection	Transmittance Measurement Monitor	North Grafton	A	2015	15,527	15,527	2010	POST	722
Sewerage Treatment Plants	CVC-STP-662	North Grafton UV & Effluent Facility	UV disinfection	Lifting Mechanism	North Grafton	A	2015	12,362	12,362	2010	POST	575
Sewerage Treatment Plants	CVC-STP-663	North Grafton UV & Effluent Facility	UV disinfection	Pipe work & fittings	North Grafton	A	2015	30,603	30,603	2010	POST	1,423
Sewerage Treatment Plants	CVC-STP-664	North Grafton UV & Effluent Facility	UV disinfection - Switch Room	UV control Panel	North Grafton	A	2015	82,812	82,812	2010	POST	3,849
Sewerage Treatment Plants	CVC-STP-665	North Grafton UV & Effluent Facility	UV disinfection - Switch Room	Telemetry	North Grafton	A	2015	15,527	15,527	2010	POST	722
Sewerage Treatment Plants	CVC-STP-666	North Grafton UV & Effluent Facility	UV disinfection - Switch Room	Chemical Dosing and Reusepump main control panel, Soft Starters and electrical cabling	North Grafton	A	2015	258,788	258,788	2010	POST	12,029
Sewerage Treatment Plants	CVC-STP-667	North Grafton UV & Effluent Facility	UV disinfection	Valve Pit Structure	North Grafton	A	2015	9,713	9,713	2010	POST	451
Sewerage Treatment Plants	CVC-STP-668	North Grafton UV & Effluent Facility	Catch Pond	Earth Structure	North Grafton	A	2015	299,305	299,305	2010	POST	13,913
Sewerage Treatment Plants	CVC-STP-669	North Grafton UV & Effluent Facility	Catch Pond	Balance Tank Structure	North Grafton	A	2015	9,502	9,502	2010	POST	442
Sewerage Treatment Plants	CVC-STP-670	North Grafton UV & Effluent Facility	Wet Weather Storage	Earth Structure with baffles	North Grafton	A	2015	3,127,026	3,127,026	2010	POST	145,353
Sewerage Treatment Plants	CVC-STP-671	North Grafton UV & Effluent Facility	Chemical Dosing	Hypo Dosing Valve pit	North Grafton	A	2015	8,446	8,446	2010	POST	393
Sewerage Treatment Plants	CVC-STP-672	North Grafton UV & Effluent Facility	Chemical Dosing	Chlorine Analyser	North Grafton	A	2015	12,422	12,422	2010	POST	577
Sewerage Treatment Plants	CVC-STP-673	North Grafton UV & Effluent Facility	Chemical Dosing	Safety Shower	North Grafton	A	2015	2,060	2,060	2010	POST	96
Sewerage Treatment Plants	CVC-STP-674	North Grafton UV & Effluent Facility	Chemical Dosing	Loading Bay	North Grafton	A	2015	4,751	4,751	2010	POST	221
Sewerage Treatment Plants	CVC-STP-675	North Grafton UV & Effluent Facility	Chemical Dosing	Hypo Dosing Civil Works (Bunding)	North Grafton	A	2015	7,601	7,601	2010	POST	353
Sewerage Treatment Plants	CVC-STP-676	North Grafton UV & Effluent Facility	Chemical Dosing	Sodium Level Monitor	North Grafton	A	2015	8,281	8,281	2010	POST	385
Sewerage Treatment Plants	CVC-STP-677	North Grafton UV & Effluent Facility	Chemical Dosing	Hypo Storage Tank	North Grafton	A	2015	12,362	12,362	2010	POST	575
Sewerage Treatment Plants	CVC-STP-678	North Grafton UV & Effluent Facility	Chemical Dosing	Hypo Dosing Pump 1	North Grafton	A	2015	7,727	7,727	2010	POST	359
Sewerage Treatment Plants	CVC-STP-679	North Grafton UV & Effluent Facility	Chemical Dosing	Hypo Dosing Pump 2	North Grafton	A	2015	7,727	7,727	2010	POST	359
Sewerage Treatment Plants	CVC-STP-680	North Grafton UV & Effluent Facility	Chemical Dosing	Chlorine Injection pit Structure	North Grafton	A	2015	5,490	5,490	2010	POST	255
Sewerage Treatment Plants	CVC-STP-681	North Grafton UV & Effluent Facility	Chemical Dosing	Hypo Dosing Pipe work	North Grafton	A	2015	10,711	10,711	2010	POST	498
Sewerage Treatment Plants	CVC-STP-682	North Grafton UV & Effluent Facility	Chemical Dosing	Hypo Dosing Field Termination Panel	North Grafton	A	2015	10,352	10,352	2010	POST	481
Sewerage Treatment Plants	CVC-STP-683	North Grafton UV & Effluent Facility	Effluent Reuse Pumping Station	Pump Well Structure	North Grafton	A	2015	31,039	31,039	2010	POST	1,443
Sewerage Treatment Plants	CVC-STP-684	North Grafton UV & Effluent Facility	Effluent Reuse Pumping Station	Effluent Reuse Pump 1	North Grafton	A	2015	50,274	50,274	2010	POST	2,337
Sewerage Treatment Plants	CVC-STP-685	North Grafton UV & Effluent Facility	Effluent Reuse Pumping Station	Effluent Reuse Pump 2	North Grafton	A	2015	50,274	50,274	2010	POST	2,337
Sewerage Treatment Plants	CVC-STP-686	North Grafton UV & Effluent Facility	Effluent Reuse Pumping Station	Effluent Reuse Pump Field Termination Panel	North Grafton	A	2015	10,352	10,352	2010	POST	481
Sewerage Treatment Plants	CVC-STP-687	North Grafton UV & Effluent Facility	Effluent Reuse Pumping Station	Effluent Reuse Pump Valve Pit Structure	North Grafton	A	2015	10,241	10,241	2010	POST	476

Asset Category	Asset ID	Asset Name	Segment Name	Description	Development Area Name	Development Area	Valuation Year	Gross (2015\$)	Gross (2015\$) - Adjusted	Construction Year	Pre or Post 1996 Asset	Capital Charge (2016\$)
Sewerage Treatment Plants	CVC-STP-688	North Grafton UV & Effluent Facility	Effluent Reuse Pumping Station	Effluent Reuse Pump Pressure Tanks x 4	North Grafton	A	2015	4,896	4,896	2010	POST	228
Sewerage Treatment Plants	CVC-STP-689	North Grafton UV & Effluent Facility	Effluent Reuse Pumping Station	Effluent Reuse Pipe Work & fittings	North Grafton	A	2015	29,889	29,889	2010	POST	1,389
Sewerage Treatment Plants	CVC-STP-690	North Grafton UV & Effluent Facility	Effluent Reuse Pumping Station	Effluent Reuse Pump Pressure Tanks Installation pad	North Grafton	A	2015	2,534	2,534	2010	POST	118
Sewerage Treatment Plants	CVC-STP-691	North Grafton UV & Effluent Facility	Effluent Pumping Station	Dry Weather pit	North Grafton	A	2015	6,546	6,546	2010	POST	304
Sewerage Treatment Plants	CVC-STP-692	North Grafton UV & Effluent Facility	Site works - lighting		North Grafton	A	2015	4,223	4,223	2010	POST	196
Sewerage Treatment Plants	CVC-STP-693	North Grafton UV & Effluent Facility	Site works - Retaining Wall		North Grafton	A	2015	40,625	40,625	2010	POST	1,888
Sewerage Treatment Plants	CVC-STP-694	North Grafton UV & Effluent Facility	Site works - internal roads & Kerbing		North Grafton	A	2015	73,586	73,586	2010	POST	3,420
Sewerage Treatment Plants	CVC-STP-695	North Grafton UV & Effluent Facility	Site works - Concrete Hardstand (loading Bay)		North Grafton	A	2015	8,446	8,446	2010	POST	393
Sewerage Treatment Plants	CVC-STP-696	North Grafton UV & Effluent Facility	Site works - Stormwater drainage		North Grafton	A	2015	21,115	21,115	2010	POST	981
Sewerage Treatment Plants	CVC-STP-697	North Grafton UV & Effluent Facility	Site works - Perimeter fencing		North Grafton	A	2015	105,997	105,997	2010	POST	4,927
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-001	Inlet Works	Inlet	Structure Concrete	Iluka	F	2015	752,458	752,458	2013	POST	55,985
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-002	Inlet Works	Inlet	Sewage Flowmeter	Iluka	F	2015	10,350	10,350	2013	POST	770
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-003	Inlet Works	Inlet	Supernatant Flowmeter	Iluka	F	2015	7,763	7,763	2013	POST	578
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-004	Inlet Works	Inlet	Filter Foul Water Flowmeter	Iluka	F	2015	7,245	7,245	2013	POST	539
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-005	Inlet Works	Inlet	Inlet Works Distribution Board	Iluka	F	2015	25,875	25,875	2013	POST	1,925
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-006	Inlet Works	Inlet	Step screen	Iluka	F	2015	72,100	72,100	2013	POST	5,364
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-007	Inlet Works	Inlet	Screw Wash Press	Iluka	F	2015	51,500	51,500	2013	POST	3,832
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-008	Inlet Works	Inlet	Screening Conveyor	Iluka	F	2015	36,050	36,050	2013	POST	2,682
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-009	Inlet Works	Inlet	Grit Classifier	Iluka	F	2015	56,650	56,650	2013	POST	4,215
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-010	Inlet Works	Inlet	Penstock x 2	Iluka	F	2015	12,240	12,240	2013	POST	911
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-011	Inlet Works	Inlet	Penstock Valve Actuator x 2	Iluka	F	2015	15,525	15,525	2013	POST	1,155
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-012	Inlet Works	Inlet	Grit Paddle Aerator	Iluka	F	2015	25,750	25,750	2013	POST	1,916
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-013	Inlet Works	Inlet	Inlet Pipe Works & Fittings	Iluka	F	2015	137,700	137,700	2013	POST	10,245
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-014	Inlet Works	Inlet	Level Sensor	Iluka	F	2015	3,105	3,105	2013	POST	231
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-015	Inlet Works	Inlet	Site Lights -Flood Lights x 2	Iluka	F	2015	4,220	4,220	2013	POST	314
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-016	Inlet Works	Inlet	Local Control Panel 1-Steps Screen, Conveyor, Screw Wash	Iluka	F	2015	8,280	8,280	2013	POST	616
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-017	Inlet Works	Inlet	Local Control Panel 1-Grit Classifier and Paddle Aerator	Iluka	F	2015	6,210	6,210	2013	POST	462

Asset Category	Asset ID	Asset Name	Segment Name	Description	Development Area Name	Development Area	Valuation Year	Gross (2015\$)	Gross (2015\$) - Adjusted	Construction Year	Pre or Post 1996 Asset	Capital Charge (2016\$)
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-018	Inlet Works	Odour Control	Grit Blower 1	Iluka	F	2015	20,600	20,600	2013	POST	1,533
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-019	Inlet Works	Odour Control	Grit Blower 2	Iluka	F	2015	20,600	20,600	2013	POST	1,533
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-020	Inlet Works	Odour Control	Local Control Panel 1-Grit Blower 1 & 2	Iluka	F	2015	6,210	6,210	2013	POST	462
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-021	Inlet Works	Odour Control	Foul Air Fan 1	Iluka	F	2015	12,360	12,360	2013	POST	920
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-022	Inlet Works	Odour Control	Foul Air Fan 2	Iluka	F	2015	12,360	12,360	2013	POST	920
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-023	Inlet Works	Odour Control	Odour Control Pipe Work	Iluka	F	2015	15,300	15,300	2013	POST	1,138
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-024	Inlet Works	Odour Control	Local Control Panel 1-Foul Air Fan	Iluka	F	2015	5,175	5,175	2013	POST	385
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-025	Inlet Works	Odour Control	Local Control Panel 2-Foul Air Fan	Iluka	F	2015	5,175	5,175	2013	POST	385
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-026	Inlet Works	Odour Control	Odour Bed and Retaining Wall	Iluka	F	2015	16,880	16,880	2013	POST	1,256
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-027	Inlet Works	Odour Control	Flow meter	Iluka	F	2015	8,280	8,280	2013	POST	616
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-028	SBR	General	Site Lights -Flood Lights x 4	Iluka	F	2015	8,440	8,440	2013	POST	628
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-029	SBR	SBR Tank 1	Structure	Iluka	F	2015	733,281	733,281	2013	POST	54,558
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-030	AERATION	SBR Tank 2	Diffuse Aeration	Iluka	F	2015	218,053	218,053	2013	POST	16,224
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-031	SBR	SBR Tank 1-RAS/WAS	RAS Pump 1	Iluka	F	2015	12,360	12,360	2013	POST	920
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-032	SBR	SBR Tank 1-RAS/WAS	RAS Pump 2	Iluka	F	2015	12,360	12,360	2013	POST	920
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-033	SBR	SBR Tank 1-RAS/WAS	WAS Pump 1	Iluka	F	2015	15,450	15,450	2013	POST	1,150
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-034	SBR	SBR Tank 1-RAS/WAS	RAS Pump 1 Flow meter	Iluka	F	2015	7,763	7,763	2013	POST	578
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-035	SBR	SBR Tank 1-RAS/WAS	RAS Pump 2 Flow meter	Iluka	F	2015	7,763	7,763	2013	POST	578
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-036	SBR	SBR Tank 1-RAS/WAS	WAS Pump 1 Flow meter	Iluka	F	2015	7,763	7,763	2013	POST	578
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-037	SBR	SBR Tank 1-RAS/WAS	Local Control Panel - RAS 1, 2/WAS 1	Iluka	F	2015	5,175	5,175	2013	POST	385
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-038	SBR	SBR Tank 1-RAS/WAS	Valve Actuator	Iluka	F	2015	7,763	7,763	2013	POST	578
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-039	SBR	SBR Tank 1-RAS/WAS	Pipe work & Fitting	Iluka	F	2015	52,020	52,020	2013	POST	3,870
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-040	SBR	SBR Tank 1	Anoxic Mixer 1	Iluka	F	2015	30,900	30,900	2013	POST	2,299
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-041	SBR	SBR Tank 1	Anoxic Mixer Lifting Hoist	Iluka	F	2015	10,300	10,300	2013	POST	766
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-042	SBR	SBR Tank 1	Anoxic Mixer 2	Iluka	F	2015	30,900	30,900	2013	POST	2,299
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-043	SBR	SBR Tank 1	Anoxic Mixer Lifting Hoist	Iluka	F	2015	10,300	10,300	2013	POST	766
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-044	SBR	SBR Tank 1	Temperature Transmeter /Dissolved Oxygen Analyser 1	Iluka	F	2015	10,350	10,350	2013	POST	770
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-045	SBR	SBR Tank 1	Temperature Transmeter /Dissolved Oxygen Analyser 2	Iluka	F	2015	10,350	10,350	2013	POST	770
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-046	SBR	SBR Tank 1	Level Sensor	Iluka	F	2015	3,105	3,105	2013	POST	231

Asset Category	Asset ID	Asset Name	Segment Name	Description	Development Area Name	Development Area	Valuation Year	Gross (2015\$)	Gross (2015\$) - Adjusted	Construction Year	Pre or Post 1996 Asset	Capital Charge (2016\$)
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-047	SBR	SBR Tank 1	Decant Mechanism	Iluka	F	2015	202,205	202,205	2013	POST	15,045
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-048	SBR	SBR Tank 1	Local Control Panel - Decant Mechanism	Iluka	F	2015	15,525	15,525	2013	POST	1,155
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-049	SBR	SBR Tank 1	Pipe work & Fitting	Iluka	F	2015	183,600	183,600	2013	POST	13,660
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-050	SBR	SBR Tank 2	Structure	Iluka	F	2015	733,281	733,281	2013	POST	54,558
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-051	AERATION	SBR Tank 2	Diffuse Aeration	Iluka	F	2015	218,053	218,053	2013	POST	16,224
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-052	SBR	SBR Tank 2-RAS/WAS	RAS Pump 3	Iluka	F	2015	12,360	12,360	2013	POST	920
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-053	SBR	SBR Tank 2-RAS/WAS	RAS Pump 4	Iluka	F	2015	12,360	12,360	2013	POST	920
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-054	SBR	SBR Tank 2-RAS/WAS	WAS Pump 2	Iluka	F	2015	15,450	15,450	2013	POST	1,150
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-055	SBR	SBR Tank 2-RAS/WAS	RAS Pump 3 Flow meter	Iluka	F	2015	7,763	7,763	2013	POST	578
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-056	SBR	SBR Tank 2-RAS/WAS	RAS Pump 4 Flow meter	Iluka	F	2015	7,763	7,763	2013	POST	578
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-057	SBR	SBR Tank 2-RAS/WAS	WAS Pump 2 Flow meter	Iluka	F	2015	7,763	7,763	2013	POST	578
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-058	SBR	SBR Tank 2-RAS/WAS	Local Control Panel - RAS 3, 4/ WAS 2	Iluka	F	2015	5,175	5,175	2013	POST	385
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-059	SBR	SBR Tank 2-RAS/WAS	Valve Actuator	Iluka	F	2015	7,763	7,763	2013	POST	578
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-060	SBR	SBR Tank 2-RAS/WAS	Pipe work & Fitting	Iluka	F	2015	52,020	52,020	2013	POST	3,870
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-061	SBR	SBR Tank 2	Anoxic Mixer 1	Iluka	F	2015	30,900	30,900	2013	POST	2,299
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-062	SBR	SBR Tank 2	Anoxic Mixer Lifting Hoist	Iluka	F	2015	10,300	10,300	2013	POST	766
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-063	SBR	SBR Tank 2	Anoxic Mixer 2	Iluka	F	2015	30,900	30,900	2013	POST	2,299
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-064	SBR	SBR Tank 2	Anoxic Mixer Lifting Hoist	Iluka	F	2015	10,300	10,300	2013	POST	766
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-065	SBR	SBR Tank 2	Temperature Transmeter /Dissolved Oxygen Analyser 1	Iluka	F	2015	10,350	10,350	2013	POST	770
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-066	SBR	SBR Tank 2	Temperature Transmeter /Dissolved Oxygen Analyser 2	Iluka	F	2015	10,350	10,350	2013	POST	770
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-067	SBR	SBR Tank 2	Level Sensor	Iluka	F	2015	3,105	3,105	2013	POST	231
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-068	SBR	SBR Tank 2	Decant Mechanism	Iluka	F	2015	202,205	202,205	2013	POST	15,045
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-069	SBR	SBR Tank 2	Local Control Panel - Decant Mechanism	Iluka	F	2015	15,525	15,525	2013	POST	1,155
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-070	SBR	SBR Tank 2	Pipe work & Fitting	Iluka	F	2015	183,600	183,600	2013	POST	13,660
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-071	AERATION	General	Compressed Air Flowmeter	Iluka	F	2015	10,350	10,350	2013	POST	770
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-072	AERATION	General	Valve Actuators x 2- Compressed Air	Iluka	F	2015	14,490	14,490	2013	POST	1,078
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-073	Post Equalization	Post Equalization Tank	Structure Concrete	Iluka	F	2015	369,250	369,250	2013	POST	27,473
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-074	Post Equalization	Post Equalization Tank	Level Sensor	Iluka	F	2015	3,105	3,105	2013	POST	231
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-075	Post Equalization	Post Equalization Tank	Mixer 1	Iluka	F	2015	15,450	15,450	2013	POST	1,150

Asset Category	Asset ID	Asset Name	Segment Name	Description	Development Area Name	Development Area	Valuation Year	Gross (2015\$)	Gross (2015\$) - Adjusted	Construction Year	Pre or Post 1996 Asset	Capital Charge (2016\$)
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-076	Post Equalization	Post Equalization Tank	Mixer 2	Iluka	F	2015	15,450	15,450	2013	POST	1,150
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-077	Post Equalization	Post Equalization Tank	Pump 1	Iluka	F	2015	12,360	12,360	2013	POST	920
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-078	Post Equalization	Post Equalization Tank	Pump 2	Iluka	F	2015	12,360	12,360	2013	POST	920
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-079	Post Equalization	Post Equalization Tank	Pump 3	Iluka	F	2015	12,360	12,360	2013	POST	920
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-080	Post Equalization	Post Equalization Tank	Local Control Panel - Mixer 1	Iluka	F	2015	5,175	5,175	2013	POST	385
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-081	Post Equalization	Post Equalization Tank	Local Control Panel - Mixer 2	Iluka	F	2015	5,175	5,175	2013	POST	385
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-082	Post Equalization	Post Equalization Tank	Local Control Panel - Pump 1	Iluka	F	2015	5,175	5,175	2013	POST	385
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-083	Post Equalization	Post Equalization Tank	Local Control Panel - Pump 2	Iluka	F	2015	5,175	5,175	2013	POST	385
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-084	Post Equalization	Post Equalization Tank	Local Control Panel - Pump 3	Iluka	F	2015	5,175	5,175	2013	POST	385
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-085	Post Equalization	Post Equalization Tank	Pipe work & Fitting	Iluka	F	2015	45,900	45,900	2013	POST	3,415
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-086	Post Equalization	Post Equalization Tank	Lifting Hoist	Iluka	F	2015	15,450	15,450	2013	POST	1,150
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-087	Foul Water	Foul Water Pumping Station	Structure Concrete	Iluka	F	2015	15,825	15,825	2013	POST	1,177
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-088	Foul Water	Foul Water Pumping Station	Pump 1	Iluka	F	2015	9,270	9,270	2013	POST	690
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-089	Foul Water	Foul Water Pumping Station	Pump 2	Iluka	F	2015	9,270	9,270	2013	POST	690
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-090	Foul Water	Foul Water Pumping Station	Level Sensor	Iluka	F	2015	3,105	3,105	2013	POST	231
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-091	Foul Water	Foul Water Pumping Station	Pipe work & Fitting	Iluka	F	2015	11,220	11,220	2013	POST	835
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-092	Tertiary Filters	General	Inlet Chanel Flow Meter	Iluka	F	2015	10,350	10,350	2013	POST	770
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-093	Tertiary Filters	General	Actuator Control Panel	Iluka	F	2015	15,525	15,525	2013	POST	1,155
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-094	Tertiary Filters	General	Pipe work & Fitting	Iluka	F	2015	141,617	141,617	2013	POST	10,537
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-095	Tertiary Filters	Filtered Effluent Tank	Structure Concrete	Iluka	F	2015	47,475	47,475	2013	POST	3,532
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-096	Tertiary Filters	Tertiary Filter 1	Structure	Iluka	F	2015	158,250	158,250	2013	POST	11,774
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-097	Tertiary Filters	Tertiary Filter 1	Valve Actuator	Iluka	F	2015	7,763	7,763	2013	POST	578
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-098	Tertiary Filters	Tertiary Filter 2	Structure	Iluka	F	2015	158,250	158,250	2013	POST	11,774
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-099	Tertiary Filters	Tertiary Filter 2	Valve Actuator	Iluka	F	2015	7,763	7,763	2013	POST	578
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-100	Tertiary Filters	Tertiary Filter 3	Structure	Iluka	F	2015	158,250	158,250	2013	POST	11,774
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-101	Tertiary Filters	Tertiary Filter 3	Valve Actuator	Iluka	F	2015	7,763	7,763	2013	POST	578
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-102	Tertiary Filters	Tertiary Filters to UV	Filtered Effluent Pipe work & Fitting	Iluka	F	2015	107,100	107,100	2013	POST	7,969
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-103	Tertiary Filters	Tertiary Filters to UV	Filtered Effluent Flow Meter 1	Iluka	F	2015	10,350	10,350	2013	POST	770
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-104	Tertiary Filters	Tertiary Filters to UV	Filtered Effluent Flow Meter 2	Iluka	F	2015	10,350	10,350	2013	POST	770
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-105	UV Disinfection	UV System	UV Reactor 1	Iluka	F	2015	114,230	114,230	2013	POST	8,499

Asset Category	Asset ID	Asset Name	Segment Name	Description	Development Area Name	Development Area	Valuation Year	Gross (2015\$)	Gross (2015\$) - Adjusted	Construction Year	Pre or Post 1996 Asset	Capital Charge (2016\$)
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-106	UV Disinfection	UV System	UV Reactor 2	Iluka	F	2015	114,230	114,230	2013	POST	8,499
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-107	UV Disinfection	UV System	UV Reactor Control Panel	Iluka	F	2015	62,100	62,100	2013	POST	4,620
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-108	Power & Control	Blower Building Switch Room	Control Panels	Iluka	F	2015	527,850	527,850	2013	POST	39,274
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-109	Power & Control	Blower Building Switch Room	UPS	Iluka	F	2015	2,899	2,899	2013	POST	216
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-110	AERATION	Blowers	Site Lights -Flood Lights x 1	Iluka	F	2015	2,110	2,110	2013	POST	157
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-111	AERATION	Blowers	Air Compressor 1	Iluka	F	2015	7,725	7,725	2013	POST	575
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-112	AERATION	Blowers	Air Compressor 2	Iluka	F	2015	7,725	7,725	2013	POST	575
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-113	AERATION	Blowers	Ethanol Tank Filling Enclosure	Iluka	F	2015	4,140	4,140	2013	POST	308
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-114	AERATION	Blowers	Chlorine Analyser For Contact Tank	Iluka	F	2015	10,350	10,350	2013	POST	770
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-115	AERATION	Blower 1	Variable Speed Blower	Iluka	F	2015	93,150	93,150	2013	POST	6,931
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-116	AERATION	Blower 1	Variable Speed Drive	Iluka	F	2015	8,280	8,280	2013	POST	616
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-117	AERATION	Blower 1	Control Panel	Iluka	F	2015	5,175	5,175	2013	POST	385
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-118	AERATION	Blower 2	Variable Speed Blower	Iluka	F	2015	92,700	92,700	2013	POST	6,897
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-119	AERATION	Blower 2	Variable Speed Drive	Iluka	F	2015	8,280	8,280	2013	POST	616
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-120	AERATION	Blower 2	Control Panel	Iluka	F	2015	5,175	5,175	2013	POST	385
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-121	AERATION	Blower 3	Variable Speed Blower	Iluka	F	2015	92,700	92,700	2013	POST	6,897
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-122	AERATION	Blower 3	Variable Speed Drive	Iluka	F	2015	8,280	8,280	2013	POST	616
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-123	AERATION	Blower 3	Control Panel	Iluka	F	2015	5,175	5,175	2013	POST	385
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-124	Power & Control	Amenities Building Switch Room	Chemical Dosing Control Panel	Iluka	F	2015	372,600	372,600	2013	POST	27,723
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-125	Power & Control	Power Factor Correction Board		Iluka	F	2015	41,400	41,400	2013	POST	3,080
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-126	Power & Control	UPS		Iluka	F	2015	5,175	5,175	2013	POST	385
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-127	Power & Control	Motor Control Centre		Iluka	F	2015	445,050	445,050	2013	POST	33,113
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-128	Power & Control	Ebb Tide Pump	Ebb Tide Pump VSD 1	Iluka	F	2015	10,350	10,350	2013	POST	770
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-129	Power & Control	Ebb Tide Pump	Ebb Tide Pump VSD 2	Iluka	F	2015	10,350	10,350	2013	POST	770
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-130	Power & Control	SCADA		Iluka	F	2015	208,680	208,680	2013	POST	15,526
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-131	Power & Control	Telemetry		Iluka	F	2015	15,525	15,525	2013	POST	1,155
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-132	Service Water	Service Water Tank	Structure	Iluka	F	2015	696,238	696,238	2013	POST	51,802
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-133	Service Water	Service Water Tank	Service water Pipe work & Fitting	Iluka	F	2015	165,540	165,540	2013	POST	12,317
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-134	Service Water	Service Water Tank	Site Lights -Flood Lights x 1	Iluka	F	2015	2,110	2,110	2013	POST	157
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-135	Service Water	Service Water Pump Station	Pump 1	Iluka	F	2015	7,725	7,725	2013	POST	575

Asset Category	Asset ID	Asset Name	Segment Name	Description	Development Area Name	Development Area	Valuation Year	Gross (2015\$)	Gross (2015\$) - Adjusted	Construction Year	Pre or Post 1996 Asset	Capital Charge (2016\$)
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-136	Service Water	Service Water Pump Station	Pump 2	Iluka	F	2015	7,725	7,725	2013	POST	575
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-137	Service Water	Service Water Pump Station	Pipe work & Fitting	Iluka	F	2015	6,120	6,120	2013	POST	455
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-138	Service Water	Service Water Pump Station	Local Control Panel	Iluka	F	2015	5,175	5,175	2013	POST	385
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-139	Service Water	Service Water Pump Station	Shed	Iluka	F	2015	3,693	3,693	2013	POST	275
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-140	Service Water	UV Recirculation Pump	UV Recirculation Pump 1	Iluka	F	2015	3,605	3,605	2013	POST	268
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-141	Service Water	UV Recirculation Pump	UV Recirculation Pump 2	Iluka	F	2015	3,605	3,605	2013	POST	268
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-142	Service Water	UV Recirculation Pump	Local Control Panel -UV Recirculation Pumps	Iluka	F	2015	5,150	5,150	2013	POST	383
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-143	Service Water	UV Recirculation Pump	Pipe work & Fitting	Iluka	F	2015	7,650	7,650	2013	POST	569
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-144	Chemical Dosing	General	Civil Structure	Iluka	F	2015	242,650	242,650	2013	POST	18,054
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-145	Chemical Dosing	General	Safety Showers x 2 nos	Iluka	F	2015	5,100	5,100	2013	POST	379
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-146	Chemical Dosing	General	Site Lights -Flood Lights x 2	Iluka	F	2015	4,220	4,220	2013	POST	314
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-147	Chemical Dosing	General	Canopies	Iluka	F	2015	16,458	16,458	2013	POST	1,225
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-148	Chemical Dosing	Sodium Hypochlorite Dosing	Hypo Storage Vat	Iluka	F	2015	8,240	8,240	2013	POST	613
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-149	Chemical Dosing	Sodium Hypochlorite Dosing	Storage Vat Level Controller	Iluka	F	2015	3,105	3,105	2013	POST	231
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-150	Chemical Dosing	Sodium Hypochlorite Dosing	Filling Station Enclosure	Iluka	F	2015	4,140	4,140	2013	POST	308
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-151	Chemical Dosing	Sodium Hypochlorite Dosing	Electrical supply and Cabling	Iluka	F	2015	41,400	41,400	2013	POST	3,080
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-152	Chemical Dosing	Sodium Hypochlorite Dosing - Filters	Dosing Pump 1	Iluka	F	2015	8,240	8,240	2013	POST	613
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-153	Chemical Dosing	Sodium Hypochlorite Dosing - Filters	Dosing Pump 2	Iluka	F	2015	8,240	8,240	2013	POST	613
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-154	Chemical Dosing	Sodium Hypochlorite Dosing - Filters	Flow meter	Iluka	F	2015	6,210	6,210	2013	POST	462
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-155	Chemical Dosing	Sodium Hypochlorite Dosing - Filters	Local Control Panel	Iluka	F	2015	5,175	5,175	2013	POST	385
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-156	Chemical Dosing	Sodium Hypochlorite Dosing - Filters	Dosing Pipework & Fittings	Iluka	F	2015	25,500	25,500	2013	POST	1,897
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-157	Chemical Dosing	Sodium Hypochlorite Dosing - Contact Tank	Dosing Pump 1	Iluka	F	2015	8,240	8,240	2013	POST	613
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-158	Chemical Dosing	Sodium Hypochlorite Dosing - Contact Tank	Dosing Pump 2	Iluka	F	2015	8,240	8,240	2013	POST	613

Asset Category	Asset ID	Asset Name	Segment Name	Description	Development Area Name	Development Area	Valuation Year	Gross (2015\$)	Gross (2015\$) - Adjusted	Construction Year	Pre or Post 1996 Asset	Capital Charge (2016\$)
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-159	Chemical Dosing	Sodium Hypochlorite Dosing - Contact Tank	Flow meter	Iluka	F	2015	6,210	6,210	2013	POST	462
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-160	Chemical Dosing	Sodium Hypochlorite Dosing - Contact Tank	Local Control Panel	Iluka	F	2015	5,175	5,175	2013	POST	385
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-161	Chemical Dosing	Sodium Hypochlorite Dosing - Contact Tank	Dosing Pipework & Fittings	Iluka	F	2015	25,500	25,500	2013	POST	1,897
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-162	Chemical Dosing	Sodium Hypochlorite Dosing - EBB Tide Release	Dosing Pump 1	Iluka	F	2015	8,240	8,240	2013	POST	613
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-163	Chemical Dosing	Sodium Hypochlorite Dosing - EBB Tide Release	Dosing Pump 2	Iluka	F	2015	8,240	8,240	2013	POST	613
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-164	Chemical Dosing	Sodium Hypochlorite Dosing - EBB Tide Release	Flow meter	Iluka	F	2015	6,210	6,210	2013	POST	462
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-165	Chemical Dosing	Sodium Hypochlorite Dosing - EBB Tide Release	Local Control Panel	Iluka	F	2015	5,175	5,175	2013	POST	385
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-166	Chemical Dosing	Sodium Hypochlorite Dosing - EBB Tide Release	Dosing Pipework & Fittings	Iluka	F	2015	25,500	25,500	2013	POST	1,897
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-167	Chemical Dosing	Sodium Hypochlorite Dosing - Golf Course	Dosing Pump 1	Iluka	F	2015	8,240	8,240	2013	POST	613
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-168	Chemical Dosing	Sodium Hypochlorite Dosing - Golf Course	Dosing Pump 2	Iluka	F	2015	8,240	8,240	2013	POST	613
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-169	Chemical Dosing	Sodium Hypochlorite Dosing - Golf Course	Flow meter	Iluka	F	2015	6,210	6,210	2013	POST	462
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-170	Chemical Dosing	Sodium Hypochlorite Dosing - Golf Course	Local Control Panel	Iluka	F	2015	5,175	5,175	2013	POST	385
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-171	Chemical Dosing	Sodium Hypochlorite Dosing - Golf Course	Dosing Pipework & Fittings	Iluka	F	2015	25,500	25,500	2013	POST	1,897
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-172	Chemical Dosing	Sodium Hydroxide Dosing	Caustic Soda Storage Vat	Iluka	F	2015	30,900	30,900	2013	POST	2,299
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-173	Chemical Dosing	Sodium Hydroxide Dosing	Storage Vat Level Controller	Iluka	F	2015	3,105	3,105	2013	POST	231
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-174	Chemical Dosing	Sodium Hydroxide Dosing	Filling Station Enclosure	Iluka	F	2015	4,140	4,140	2013	POST	308
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-175	Chemical Dosing	Sodium Hydroxide Dosing	Electrical supply and Cabling	Iluka	F	2015	41,400	41,400	2013	POST	3,080

Asset Category	Asset ID	Asset Name	Segment Name	Description	Development Area Name	Development Area	Valuation Year	Gross (2015\$)	Gross (2015\$) - Adjusted	Construction Year	Pre or Post 1996 Asset	Capital Charge (2016\$)
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-176	Chemical Dosing	Sodium Hydroxide Dosing	Dosing Pump 1	Iluka	F	2015	10,300	10,300	2013	POST	766
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-177	Chemical Dosing	Sodium Hydroxide Dosing	Dosing Pump 2	Iluka	F	2015	10,300	10,300	2013	POST	766
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-178	Chemical Dosing	Sodium Hydroxide Dosing	Flow meter	Iluka	F	2015	6,210	6,210	2013	POST	462
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-179	Chemical Dosing	Sodium Hydroxide Dosing	Local Control Panel	Iluka	F	2015	5,175	5,175	2013	POST	385
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-180	Chemical Dosing	Sodium Hydroxide Dosing	Dosing Pipework & Fittings	Iluka	F	2015	25,500	25,500	2013	POST	1,897
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-181	Chemical Dosing	Aluminium Sulphate Dosing	Alum Storage Vat	Iluka	F	2015	41,200	41,200	2013	POST	3,065
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-182	Chemical Dosing	Aluminium Sulphate Dosing	Storage Vat Level Controller	Iluka	F	2015	3,105	3,105	2013	POST	231
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-183	Chemical Dosing	Aluminium Sulphate Dosing	Filling Station Enclosure	Iluka	F	2015	4,140	4,140	2013	POST	308
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-184	Chemical Dosing	Aluminium Sulphate Dosing	Electrical supply and Cabling	Iluka	F	2015	41,400	41,400	2013	POST	3,080
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-185	Chemical Dosing	Aluminium Sulphate Dosing - Filters	Dosing Pump 1	Iluka	F	2015	8,240	8,240	2013	POST	613
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-186	Chemical Dosing	Aluminium Sulphate Dosing - Filters	Dosing Pump 2	Iluka	F	2015	8,240	8,240	2013	POST	613
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-187	Chemical Dosing	Aluminium Sulphate Dosing - Filters	Flow meter	Iluka	F	2015	6,210	6,210	2013	POST	462
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-188	Chemical Dosing	Aluminium Sulphate Dosing - Filters	Local Control Panel	Iluka	F	2015	5,175	5,175	2013	POST	385
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-189	Chemical Dosing	Aluminium Sulphate Dosing - Filters	Dosing Pipework & Fittings	Iluka	F	2015	25,500	25,500	2013	POST	1,897
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-190	Chemical Dosing	Aluminium Sulphate Dosing - SBR	Dosing Pump 1	Iluka	F	2015	8,240	8,240	2013	POST	613
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-191	Chemical Dosing	Aluminium Sulphate Dosing - SBR	Dosing Pump 2	Iluka	F	2015	8,240	8,240	2013	POST	613
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-192	Chemical Dosing	Aluminium Sulphate Dosing - SBR	Flow meter	Iluka	F	2015	6,210	6,210	2013	POST	462
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-193	Chemical Dosing	Aluminium Sulphate Dosing - SBR	Local Control Panel	Iluka	F	2015	5,175	5,175	2013	POST	385
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-194	Chemical Dosing	Aluminium Sulphate Dosing - SBR	Dosing Pipework & Fittings	Iluka	F	2015	25,500	25,500	2013	POST	1,897
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-195	Sludge Lagoons	General	Distribution Board	Iluka	F	2015	23,682	23,682	2013	POST	1,762
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-196	Sludge Lagoons	Sludge Lagoon 1	Structure Concrete	Iluka	F	2015	332,325	332,325	2013	POST	24,726
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-197	Sludge Lagoons	Sludge Lagoon 1	Pipe work & Fitting	Iluka	F	2015	16,091	16,091	2013	POST	1,197
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-198	Sludge Lagoons	Sludge Lagoon 1	Local Control Panel - Sludge Pontoon	Iluka	F	2015	5,175	5,175	2013	POST	385
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-199	Sludge Lagoons	Sludge Lagoon 2	Structure Concrete	Iluka	F	2015	332,325	332,325	2013	POST	24,726
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-200	Sludge Lagoons	Sludge Lagoon 2	Pipe work & Fitting	Iluka	F	2015	16,091	16,091	2013	POST	1,197

Asset Category	Asset ID	Asset Name	Segment Name	Description	Development Area Name	Development Area	Valuation Year	Gross (2015\$)	Gross (2015\$) - Adjusted	Construction Year	Pre or Post 1996 Asset	Capital Charge (2016\$)
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-201	Sludge Lagoons	Sludge Lagoon 2	Local Control Panel - Sludge Pontoon	Iluka	F	2015	5,175	5,175	2013	POST	385
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-202	Sludge Lagoons	Sludge Lagoon 3	Structure Concrete	Iluka	F	2015	332,325	332,325	2013	POST	24,726
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-203	Sludge Lagoons	Sludge Lagoon 3	Pipe work & Fitting	Iluka	F	2015	16,091	16,091	2013	POST	1,197
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-204	Sludge Lagoons	Sludge Lagoon 3	Local Control Panel - Sludge Pontoon	Iluka	F	2015	5,175	5,175	2013	POST	385
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-205	Dewatering	Dewatering Mounting Pad	Structure	Iluka	F	2015	142,425	142,425	2013	POST	10,597
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-206	Dewatering	Dewatering Mounting Pad	Material Handling Connection Box	Iluka	F	2015	8,280	8,280	2013	POST	616
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-207	Dewatering	Dewatering Mounting Pad	Safety Shower	Iluka	F	2015	2,575	2,575	2013	POST	192
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-208	Supernatant Pump Station	Supernatant Pump Station	Well Structure	Iluka	F	2015	31,650	31,650	2013	POST	2,355
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-209	Supernatant Pump Station	Supernatant Pump Station	Hard Stand	Iluka	F	2015	5,275	5,275	2013	POST	392
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-210	Supernatant Pump Station	Supernatant Pump Station	Bollards	Iluka	F	2015	7,121	7,121	2013	POST	530
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-211	Supernatant Pump Station	Supernatant Pump Station	Pump 1	Iluka	F	2015	15,450	15,450	2013	POST	1,150
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-212	Supernatant Pump Station	Supernatant Pump Station	Pump 2	Iluka	F	2015	15,450	15,450	2013	POST	1,150
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-213	Supernatant Pump Station	Supernatant Pump Station	Pipe work & Fitting	Iluka	F	2015	22,440	22,440	2013	POST	1,670
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-214	Supernatant Pump Station	Supernatant Pump Station	Local Control Panel	Iluka	F	2015	5,175	5,175	2013	POST	385
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-215	Sludge Lagoons	Emergency Storage	Structure Concrete	Iluka	F	2015	339,710	339,710	2013	POST	25,275
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-216	Sludge Lagoons	Emergency Storage	Pipe work & Fitting	Iluka	F	2015	18,360	18,360	2013	POST	1,366
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-217	Recycled Water Storage	Reuse Pond A	Structure	Iluka	F	2015	342,875	342,875	2013	POST	25,511
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-218	Recycled Water Storage	Reuse Pond A	Pipe work & Fitting	Iluka	F	2015	16,575	16,575	2013	POST	1,233
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-219	Recycled Water Storage	Reuse Pond A	Floating Cover	Iluka	F	2015	109,720	109,720	2013	POST	8,164
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-220	Recycled Water Storage	Reuse Pond A	Reuse Pond Pump	Iluka	F	2015	9,270	9,270	2013	POST	690
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-221	Recycled Water Storage	Reuse Pond A	Local Control Panel-Reuse Pond Pump	Iluka	F	2015	5,175	5,175	2013	POST	385
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-222	Recycled Water Storage	Reuse Pond B	Structure	Iluka	F	2015	963,895	963,895	2013	POST	71,717
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-223	Recycled Water Storage	Reuse Pond B	Pipe work & Fitting	Iluka	F	2015	18,633	18,633	2013	POST	1,386
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-224	Recycled Water Pump Station	Ebb Tide Release Pump Station	Structure	Iluka	F	2015	73,850	73,850	2013	POST	5,495
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-225	Recycled Water Pump Station	Ebb Tide Release Pump Station	Structure	Iluka	F	2015	7,200	7,200	2013	POST	536
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-226	Recycled Water Pump Station	Ebb Tide Release Pump Station	Bollards	Iluka	F	2015	14,243	14,243	2013	POST	1,060
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-227	Recycled Water Pump Station	Ebb Tide Release Pump Station	Gantry Frame	Iluka	F	2015	15,825	15,825	2013	POST	1,177
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-228	Recycled Water Pump Station	Ebb Tide Release Pump Station	Level Sensors x 2	Iluka	F	2015	6,210	6,210	2013	POST	462
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-229	Recycled Water Pump Station	Ebb Tide Release Pump Station	Pump 1	Iluka	F	2015	46,350	46,350	2013	POST	3,449
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-230	Recycled Water Pump Station	Ebb Tide Release Pump Station	Pump 2	Iluka	F	2015	46,350	46,350	2013	POST	3,449

Asset Category	Asset ID	Asset Name	Segment Name	Description	Development Area Name	Development Area	Valuation Year	Gross (2015\$)	Gross (2015\$) - Adjusted	Construction Year	Pre or Post 1996 Asset	Capital Charge (2016\$)
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-231	Recycled Water Pump Station	Ebb Tide Release Pump Station	Ebb Tide release Flowmeter	Iluka	F	2015	12,420	12,420	2013	POST	924
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-232	Recycled Water Pump Station	Ebb Tide Release Pump Station	Pipe work & Fitting	Iluka	F	2015	56,470	56,470	2013	POST	4,202
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-233	Recycled Water Pump Station	Ebb Tide Release Pump Station	Local Control Panel - Ebb Tide Release pump 1	Iluka	F	2015	5,175	5,175	2013	POST	385
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-234	Recycled Water Pump Station	Ebb Tide Release Pump Station	Local Control Panel - Ebb Tide Release pump 2	Iluka	F	2015	5,175	5,175	2013	POST	385
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-235	Recycled Water Pump Station	Ebb Tide Release Pump Station	Ebb Tide release Chlorine Analyser	Iluka	F	2015	10,350	10,350	2013	POST	770
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-236	Recycled Water Pump Station	Ebb Tide Release Pump Station	Ebb Tide release pH Analyser	Iluka	F	2015	10,350	10,350	2013	POST	770
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-237	Recycled Water Pump Station	Golf Course Line Pump Station	Golf Course Storage Tank Chlorine Analyser	Iluka	F	2015	10,350	10,350	2013	POST	770
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-238	Recycled Water Pump Station	Golf Course Line Pump Station	Pump 1	Iluka	F	2015	36,050	36,050	2013	POST	2,682
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-239	Recycled Water Pump Station	Golf Course Line Pump Station	Pump 2	Iluka	F	2015	36,050	36,050	2013	POST	2,682
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-240	Recycled Water Pump Station	Golf Course Line Pump Station	Pipe work & Fitting	Iluka	F	2015	42,840	42,840	2013	POST	3,187
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-241	Recycled Water Pump Station	Golf Course Line Pump Station	Ebb Tide release Flowmeter	Iluka	F	2015	10,350	10,350	2013	POST	770
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-242	Recycled Water Pump Station	Golf Course Line Pump Station	Local Control Panel -Golf Course Release pump 1&2	Iluka	F	2015	5,175	5,175	2013	POST	385
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-243	Recycled Water Pump Station	Contaminated Return Line	Contaminated Return Pump	Iluka	F	2015	30,900	30,900	2013	POST	2,299
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-244	Recycled Water Pump Station	Contaminated Return Line	Flow Meter	Iluka	F	2015	8,280	8,280	2013	POST	616
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-245	Recycled Water Pump Station	Contaminated Return Line	Pipe work & Fitting	Iluka	F	2015	9,690	9,690	2013	POST	721
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-246	Recycled Water Pump Station	Contaminated Return Line	Local Control Panel	Iluka	F	2015	5,175	5,175	2013	POST	385
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-247	Recycled Water Pump Station	General	Site Lights -Flood Lights x 2	Iluka	F	2015	4,220	4,220	2013	POST	314
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-248	Chlorine Contact Tank	Chlorine Contact Tank Transfer Pump	Pump	Iluka	F	2015	15,450	15,450	2013	POST	1,150
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-249	Chlorine Contact Tank	Chlorine Contact Tank Transfer Pump	Local Control Panel	Iluka	F	2015	5,175	5,175	2013	POST	385
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-250	Chlorine Contact Tank	Chlorine Contact Tank Transfer Pump	Pipe work & Fitting	Iluka	F	2015	11,220	11,220	2013	POST	835
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-251	Chlorine Contact Tank	Chlorine Contact Tank	Structure	Iluka	F	2015	142,425	142,425	2013	POST	10,597
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-252	Chlorine Contact Tank	Chlorine Contact Tank	Potable Water Top up Flowmeter	Iluka	F	2015	10,350	10,350	2013	POST	770
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-253	Chlorine Contact Tank	Chlorine Contact Tank	Pipe work & Fitting	Iluka	F	2015	12,240	12,240	2013	POST	911
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-254	Chlorine Contact Tank	Chlorine Contact Tank	Bollards	Iluka	F	2015	1,583	1,583	2013	POST	118
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-255	Chlorine Contact Tank	Chlorine Contact Tank	Mixer	Iluka	F	2015	15,450	15,450	2013	POST	1,150
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-256	Chlorine Contact Tank	Chlorine Contact Tank	Local Control Panel -Mixer	Iluka	F	2015	5,175	5,175	2013	POST	385
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-257	Chlorine Contact Tank	Chlorine Contact Tank	Site Lights -Flood Lights x 1	Iluka	F	2015	2,110	2,110	2013	POST	157
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-258	Site General	Site Drainage		Iluka	F	2015	58,025	58,025	2013	POST	4,317

Asset Category	Asset ID	Asset Name	Segment Name	Description	Development Area Name	Development Area	Valuation Year	Gross (2015\$)	Gross (2015\$) - Adjusted	Construction Year	Pre or Post 1996 Asset	Capital Charge (2016\$)
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-259	Site General	Potable water Supply and Fire hydrant system		Iluka	F	2015	67,572	67,572	2013	POST	5,028
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-260	Site General	Interconnecting Pipe work		Iluka	F	2015	314,501	314,501	2013	POST	23,400
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-261	Site General	Electrical Cabling		Iluka	F	2015	627,245	627,245	2013	POST	46,669
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-262	Site General	Electrical Supply		Iluka	F	2015	298,819	298,819	2013	POST	22,233
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-263	Site General	Street Lighting	Street Lights x 22	Iluka	F	2015	116,050	116,050	2013	POST	8,634
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-264	Site General	Roads & Carparks	Sealed Roads & Carparks	Iluka	F	2015	962,127	962,127	2013	POST	71,585
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-265	Site General	Roads & Carparks	Gravel Roads and hard stand around lagoons	Iluka	F	2015	54,333	54,333	2013	POST	4,043
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-266	Site General	Concrete Foot Path	Chlorine Contact Tank	Iluka	F	2015	3,165	3,165	2013	POST	235
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-267	Site General	Concrete Foot Path	Chlorine Contact Tank	Iluka	F	2015	1,443	1,443	2013	POST	107
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-268	Site General	Amenities Building	Safety Shower	Iluka	F	2015	2,575	2,575	2013	POST	192
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-269	Site General	Concrete Foot Path	Behind Dewatering Pad	Iluka	F	2015	3,570	3,570	2013	POST	266
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-270	Site General	Concrete Foot Path	To SBR Tank	Iluka	F	2015	950	950	2013	POST	71
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-271	Site General	Concrete Foot Path	Work Shop Shed	Iluka	F	2015	1,139	1,139	2013	POST	85
Iluka Sewer Treatment Plant	APV-CVC-ILUKASTP-272	Site General	Telemetry Post for Golf Course and Playing Field		Iluka	F	2015	4,748	4,748	2013	POST	353

Table 14-2 Existing Sewerage Pump Stations (contributing to Capital Charge)

Asset Category	Asset ID	Asset Name	Segment Name	Description	Development Area Name	Development Area	Valuation Year	Gross (2015\$)	Gross (2015\$) - Adjusted	Construction Year	Pre or Post 1996 Asset	Capital Charge (2016\$)
Sewerage Pumping Station	Y19 - 01	Y19	Structure		Yamba	E	2015	132,391	132,391	1987	PRE	9,153
Sewerage Pumping Station	Y19 - 02	Y19	Pump 1		Yamba	E	2015	9,375	9,375	1987	PRE	648
Sewerage Pumping Station	Y19 - 03	Y19	Pump 2		Yamba	E	2015	9,375	9,375	1987	PRE	648
Sewerage Pumping Station	Y19 - 04	Y19	Control and Electrical		Yamba	E	2015	36,230	36,230	1987	PRE	2,505
Sewerage Pumping Station	Y19 - 06	Y19	Pipework & Fittings		Yamba	E	2015	28,563	28,563	1987	PRE	1,975
Sewerage Pumping Station	Y19 - 07	Y19	Telemetry		Yamba	E	2015	10,352	10,352	1987	PRE	716
Sewerage Pumping Station	2S - 01	2S	Structure		Clarenza	B	2015	149,811	149,811	1987	PRE	6,545
Sewerage Pumping Station	2S - 02	2S	Pump 1		Clarenza	B	2015	18,853	18,853	1987	PRE	824
Sewerage Pumping Station	2S - 03	2S	Pump 2		Clarenza	B	2015	18,853	18,853	1987	PRE	824
Sewerage Pumping Station	2S - 04	2S	Control and Electrical		Clarenza	B	2015	36,230	36,230	1987	PRE	1,583
Sewerage Pumping Station	2S - 06	2S	Pipework & Fittings		Clarenza	B	2015	29,583	29,583	1987	PRE	1,292
Sewerage Pumping Station	2S - 07	2S	Telemetry		Clarenza	B	2015	10,352	10,352	1987	PRE	452
Sewerage Pumping Station	3S - 01	3S	Structure		Clarenza	B	2015	432,013	432,013	1987	PRE	18,874
Sewerage Pumping Station	3S - 02	3S	Pump 1		Clarenza	B	2015	70,466	70,466	1987	PRE	3,079
Sewerage Pumping Station	3S - 03	3S	Pump 2		Clarenza	B	2015	70,466	70,466	1987	PRE	3,079
Sewerage Pumping Station	3S - 04	3S	Control and Electrical		Clarenza	B	2015	113,867	113,867	1987	PRE	4,975
Sewerage Pumping Station	3S - 06	3S	Pipework & Fittings		Clarenza	B	2015	41,824	41,824	1987	PRE	1,827
Sewerage Pumping Station	3S - 07	3S	Telemetry		Clarenza	B	2015	10,352	10,352	1987	PRE	452
Sewerage Pumping Station	JH3 - 01	JH3	Structure		North Grafton	A	2015	210,200	210,200	2006	POST	9,771
Sewerage Pumping Station	JH3 - 02	JH3	Pump 1		North Grafton	A	2015	54,189	54,189	2006	POST	2,519
Sewerage Pumping Station	JH3 - 03	JH3	Pump 2		North Grafton	A	2015	54,189	54,189	2006	POST	2,519
Sewerage Pumping Station	JH3 - 04	JH3	Control and Electrical		North Grafton	A	2015	99,374	99,374	2006	POST	4,619
Sewerage Pumping Station	JH3 - 06	JH3	Pipework & Fittings		North Grafton	A	2015	38,764	38,764	2006	POST	1,802
Sewerage Pumping Station	JH3 - 07	JH3	Telemetry		North Grafton	A	2015	10,352	10,352	2006	POST	481
Sewerage Pumping Station	5N - 01	5N	Structure		North Grafton	A	2015	574,856	574,856	1987	PRE	26,721
Sewerage Pumping Station	5N - 02	5N	Pump 1		North Grafton	A	2015	22,046	22,046	1987	PRE	1,025
Sewerage Pumping Station	5N - 03	5N	Pump 2		North Grafton	A	2015	22,046	22,046	1987	PRE	1,025
Sewerage Pumping Station	5N - 04	5N	Control and Electrical		North Grafton	A	2015	77,636	77,636	1987	PRE	3,609
Sewerage Pumping Station	5N - 06	5N	Pipework & Fittings		North Grafton	A	2015	31,623	31,623	1987	PRE	1,470
Sewerage Pumping Station	5N - 07	5N	Telemetry		North Grafton	A	2015	10,352	10,352	1987	PRE	481
Sewerage Pumping Station	JH3C - 01	JH3C	Structure		North Grafton	A	2015	177,683	177,683	2013	POST	8,259
Sewerage Pumping Station	JH3C - 02	JH3C	Pump 1		North Grafton	A	2015	10,508	10,508	2013	POST	488
Sewerage Pumping Station	JH3C - 03	JH3C	Pump 2		North Grafton	A	2015	10,508	10,508	2013	POST	488
Sewerage Pumping Station	JH3C - 04	JH3C	Control and Electrical		North Grafton	A	2015	36,230	36,230	2013	POST	1,684
Sewerage Pumping Station	JH3C - 06	JH3C	Pipework & Fittings		North Grafton	A	2015	28,563	28,563	2013	POST	1,328
Sewerage Pumping Station	JH3C - 07	JH3C	Telemetry		North Grafton	A	2015	10,352	10,352	2013	POST	481
Sewerage Pumping Station	Y22 - 01	Y22	Structure		Yamba	E	2015	110,326	110,326	1992	PRE	7,628
Sewerage Pumping Station	Y22 - 02	Y22	Pump 1		Yamba	E	2015	9,375	9,375	1992	PRE	648
Sewerage Pumping Station	Y22 - 03	Y22	Pump 2		Yamba	E	2015	9,375	9,375	1992	PRE	648
Sewerage Pumping Station	Y22 - 04	Y22	Control and Electrical		Yamba	E	2015	36,230	36,230	1992	PRE	2,505
Sewerage Pumping Station	Y22 - 06	Y22	Pipework & Fittings		Yamba	E	2015	28,563	28,563	1992	PRE	1,975

Asset Category	Asset ID	Asset Name	Segment Name	Description	Development Area Name	Development Area	Valuation Year	Gross (2015\$)	Gross (2015\$) - Adjusted	Construction Year	Pre or Post 1996 Asset	Capital Charge (2016\$)
Sewerage Pumping Station	Y22 - 07	Y22	Telemetry		Yamba	E	2015	10,352	10,352	1992	PRE	716
Sewerage Pumping Station	7N - 01	7N	Structure		North Grafton	A	2015	596,921	596,921	1987	PRE	27,747
Sewerage Pumping Station	7N - 02	7N	Pump 1		North Grafton	A	2015	34,512	34,512	1987	PRE	1,604
Sewerage Pumping Station	7N - 03	7N	Pump 2		North Grafton	A	2015	34,512	34,512	1987	PRE	1,604
Sewerage Pumping Station	7N - 04	7N	Control and Electrical		North Grafton	A	2015	83,847	83,847	1987	PRE	3,897
Sewerage Pumping Station	7N - 06	7N	Pipework & Fittings		North Grafton	A	2015	34,683	34,683	1987	PRE	1,612
Sewerage Pumping Station	7N - 07	7N	Telemetry		North Grafton	A	2015	10,352	10,352	1987	PRE	481
Sewerage Pumping Station	CL1 - 01	CL1	Structure		Clarenza	B	2015	30,194	30,194	1995	PRE	1,319
Sewerage Pumping Station	CL1 - 02	CL1	Pump 1		Clarenza	B	2015	15,556	15,556	1995	PRE	680
Sewerage Pumping Station	CL1 - 03	CL1	Pump 2		Clarenza	B	2015	15,556	15,556	1995	PRE	680
Sewerage Pumping Station	CL1 - 04	CL1	Control and Electrical		Clarenza	B	2015	36,230	36,230	1995	PRE	1,583
Sewerage Pumping Station	CL1 - 06	CL1	Pipework & Fittings		Clarenza	B	2015	28,563	28,563	1995	PRE	1,248
Sewerage Pumping Station	CL1 - 07	CL1	Telemetry		Clarenza	B	2015	10,352	10,352	1995	PRE	452
Sewerage Pumping Station	8N - 01	8N	Structure		North Grafton	A	2015	118,455	118,455	1993	PRE	5,506
Sewerage Pumping Station	8N - 02	8N	Pump 1		North Grafton	A	2015	11,023	11,023	1993	PRE	512
Sewerage Pumping Station	8N - 03	8N	Pump 2		North Grafton	A	2015	11,023	11,023	1993	PRE	512
Sewerage Pumping Station	8N - 04	8N	Control and Electrical		North Grafton	A	2015	36,230	36,230	1993	PRE	1,684
Sewerage Pumping Station	8N - 06	8N	Pipework & Fittings		North Grafton	A	2015	28,563	28,563	1993	PRE	1,328
Sewerage Pumping Station	8N - 07	8N	Telemetry		North Grafton	A	2015	10,352	10,352	1993	PRE	481
Sewerage Pumping Station	JH4 - 01	JH4	Structure		North Grafton	A	2015	110,326	110,326	2003	POST	5,128
Sewerage Pumping Station	JH4 - 02	JH4	Pump 1		North Grafton	A	2015	10,508	10,508	2003	POST	488
Sewerage Pumping Station	JH4 - 03	JH4	Pump 2		North Grafton	A	2015	10,508	10,508	2003	POST	488
Sewerage Pumping Station	JH4 - 04	JH4	Control and Electrical		North Grafton	A	2015	36,230	36,230	2003	POST	1,684
Sewerage Pumping Station	JH4 - 06	JH4	Pipework & Fittings		North Grafton	A	2015	28,563	28,563	2003	POST	1,328
Sewerage Pumping Station	JH4 - 07	JH4	Telemetry		North Grafton	A	2015	10,352	10,352	2003	POST	481
Sewerage Pumping Station	JH3B - 01	JH3B	Structure		North Grafton	A	2015	90,583	90,583	1991	PRE	4,211
Sewerage Pumping Station	JH3B - 02	JH3B	Pump 1		North Grafton	A	2015	11,023	11,023	1991	PRE	512
Sewerage Pumping Station	JH3B - 03	JH3B	Pump 2		North Grafton	A	2015	11,023	11,023	1991	PRE	512
Sewerage Pumping Station	JH3B - 04	JH3B	Control and Electrical		North Grafton	A	2015	36,230	36,230	1991	PRE	1,684
Sewerage Pumping Station	JH3B - 06	JH3B	Pipework & Fittings		North Grafton	A	2015	28,563	28,563	1991	PRE	1,328
Sewerage Pumping Station	JH3B - 07	JH3B	Telemetry		North Grafton	A	2015	10,352	10,352	1991	PRE	481
Sewerage Pumping Station	1S - 01	1S	Structure		Clarenza	B	2015	633,450	633,450	1988	PRE	27,674
Sewerage Pumping Station	1S - 02	1S	Pump 1		Clarenza	B	2015	110,643	110,643	1988	PRE	4,834
Sewerage Pumping Station	1S - 03	1S	Pump 2		Clarenza	B	2015	110,643	110,643	1988	PRE	4,834
Sewerage Pumping Station	1S - 04	1S	Control and Electrical		Clarenza	B	2015	300,194	300,194	1988	PRE	13,115
Sewerage Pumping Station	1S - 06	1S	Pipework & Fittings		Clarenza	B	2015	153,219	153,219	1988	PRE	6,694
Sewerage Pumping Station	1S - 08	1S	Odour control unit		Clarenza	B	2015	154,736	154,736	1988	PRE	6,760
Sewerage Pumping Station	1S - 07	1S	Telemetry		Clarenza	B	2015	10,352	10,352	1988	PRE	452
Sewerage Pumping Station	AW5 - 01	AW5	Structure		Yamba	E	2015	58,066	58,066	1998	POST	4,015
Sewerage Pumping Station	AW5 - 02	AW5	Pump 1		Yamba	E	2015	5,975	5,975	1998	POST	413
Sewerage Pumping Station	AW5 - 03	AW5	Pump 2		Yamba	E	2015	5,975	5,975	1998	POST	413
Sewerage Pumping Station	AW5 - 04	AW5	Control and Electrical		Yamba	E	2015	36,230	36,230	1998	POST	2,505
Sewerage Pumping Station	AW5 - 06	AW5	Pipework & Fittings		Yamba	E	2015	28,563	28,563	1998	POST	1,975
Sewerage Pumping Station	AW5 - 07	AW5	Telemetry		Yamba	E	2015	10,352	10,352	1998	POST	716
Sewerage Pumping Station	11BS - 01	11BS	Structure		Clarenza	B	2015	502,854	502,854	2001	POST	21,969
Sewerage Pumping Station	11BS - 02	11BS	Pump 1		Clarenza	B	2015	15,556	15,556	2001	POST	680
Sewerage Pumping Station	11BS - 03	11BS	Pump 2		Clarenza	B	2015	15,556	15,556	2001	POST	680
Sewerage Pumping Station	11BS - 04	11BS	Control and Electrical		Clarenza	B	2015	36,230	36,230	2001	POST	1,583

Asset Category	Asset ID	Asset Name	Segment Name	Description	Development Area Name	Development Area	Valuation Year	Gross (2015\$)	Gross (2015\$) - Adjusted	Construction Year	Pre or Post 1996 Asset	Capital Charge (2016\$)
Sewerage Pumping Station	11BS - 06	11BS	Pipework & Fittings		Clarenza	B	2015	28,563	28,563	2001	POST	1,248
Sewerage Pumping Station	11BS - 07	11BS	Telemetry		Clarenza	B	2015	10,352	10,352	2001	POST	452
Sewerage Pumping Station	AW3 - 01	AW3	Structure		Yamba	E	2015	117,294	117,294	1994	PRE	8,110
Sewerage Pumping Station	AW3 - 02	AW3	Pump 1		Yamba	E	2015	32,245	32,245	1994	PRE	2,229
Sewerage Pumping Station	AW3 - 03	AW3	Pump 2		Yamba	E	2015	32,245	32,245	1994	PRE	2,229
Sewerage Pumping Station	AW3 - 04	AW3	Control and Electrical		Yamba	E	2015	82,812	82,812	1994	PRE	5,725
Sewerage Pumping Station	AW3 - 06	AW3	Pipework & Fittings		Yamba	E	2015	34,683	34,683	1994	PRE	2,398
Sewerage Pumping Station	AW3 - 07	AW3	Telemetry		Yamba	E	2015	10,352	10,352	1994	PRE	716
Sewerage Pumping Station	3CN - 01	3CN	Structure		North Grafton	A	2015	127,746	127,746	1987	PRE	5,938
Sewerage Pumping Station	3CN - 02	3CN	Pump 1		North Grafton	A	2015	9,375	9,375	1987	PRE	436
Sewerage Pumping Station	3CN - 03	3CN	Pump 2		North Grafton	A	2015	9,375	9,375	1987	PRE	436
Sewerage Pumping Station	3CN - 04	3CN	Control and Electrical		North Grafton	A	2015	36,230	36,230	1987	PRE	1,684
Sewerage Pumping Station	3CN - 06	3CN	Pipework & Fittings		North Grafton	A	2015	28,563	28,563	1987	PRE	1,328
Sewerage Pumping Station	3CN - 07	3CN	Telemetry		North Grafton	A	2015	10,352	10,352	1987	PRE	481
Sewerage Pumping Station	8S - 01	8S	Structure		Clarenza	B	2015	156,779	156,779	1987	PRE	6,849
Sewerage Pumping Station	8S - 02	8S	Pump 1		Clarenza	B	2015	12,362	12,362	1987	PRE	540
Sewerage Pumping Station	8S - 03	8S	Pump 2		Clarenza	B	2015	12,362	12,362	1987	PRE	540
Sewerage Pumping Station	8S - 04	8S	Control and Electrical		Clarenza	B	2015	36,230	36,230	1987	PRE	1,583
Sewerage Pumping Station	8S - 06	8S	Pipework & Fittings		Clarenza	B	2015	28,563	28,563	1987	PRE	1,248
Sewerage Pumping Station	8S - 07	8S	Telemetry		Clarenza	B	2015	10,352	10,352	1987	PRE	452
Sewerage Pumping Station	11AS - 01	11AS	Structure		Clarenza	B	2015	1,098,613	1,098,613	1992	PRE	47,996
Sewerage Pumping Station	11AS - 02	11AS	Pump 1		Clarenza	B	2015	10,508	10,508	1992	PRE	459
Sewerage Pumping Station	11AS - 03	11AS	Pump 2		Clarenza	B	2015	10,508	10,508	1992	PRE	459
Sewerage Pumping Station	11AS - 04	11AS	Control and Electrical		Clarenza	B	2015	36,230	36,230	1992	PRE	1,583
Sewerage Pumping Station	11AS - 06	11AS	Pipework & Fittings		Clarenza	B	2015	28,563	28,563	1992	PRE	1,248
Sewerage Pumping Station	11AS - 07	11AS	Telemetry		Clarenza	B	2015	10,352	10,352	1992	PRE	452
Sewerage Pumping Station	Y23 - 01	Y23	Structure		Yamba	E	2015	55,744	55,744	1998	POST	3,854
Sewerage Pumping Station	Y23 - 02	Y23	Pump 1		Yamba	E	2015	9,375	9,375	1998	POST	648
Sewerage Pumping Station	Y23 - 03	Y23	Pump 2		Yamba	E	2015	9,375	9,375	1998	POST	648
Sewerage Pumping Station	Y23 - 04	Y23	Control and Electrical		Yamba	E	2015	36,230	36,230	1998	POST	2,505
Sewerage Pumping Station	Y23 - 06	Y23	Pipework & Fittings		Yamba	E	2015	28,563	28,563	1998	POST	1,975
Sewerage Pumping Station	Y23 - 07	Y23	Telemetry		Yamba	E	2015	10,352	10,352	1998	POST	716
Sewerage Pumping Station	M7 - 01	M7	Structure	dia 1.8, depth?	Woodford Island	D	2015	49,937	49,937	1993	PRE	3,093
Sewerage Pumping Station	M7 - 02	M7	Pump 1		Woodford Island	D	2015	10,508	10,508	1993	PRE	651
Sewerage Pumping Station	M7 - 03	M7	Pump 2		Woodford Island	D	2015	10,508	10,508	1993	PRE	651
Sewerage Pumping Station	M7 - 04	M7	Control and Electrical		Woodford Island	D	2015	36,230	36,230	1993	PRE	2,244
Sewerage Pumping Station	M7 - 06	M7	Pipework & Fittings		Woodford Island	D	2015	28,563	28,563	1993	PRE	1,769
Sewerage Pumping Station	M7 - 07	M7	Telemetry		Woodford Island	D	2015	10,352	10,352	1993	PRE	641
Sewerage Pumping Station	2BS - 01	2BS	Structure		Clarenza	B	2015	103,358	103,358	1991	PRE	4,516
Sewerage Pumping Station	2BS - 02	2BS	Pump 1		Clarenza	B	2015	11,023	11,023	1991	PRE	482
Sewerage Pumping Station	2BS - 03	2BS	Pump 2		Clarenza	B	2015	11,023	11,023	1991	PRE	482
Sewerage Pumping Station	2BS - 04	2BS	Control and Electrical		Clarenza	B	2015	36,230	36,230	1991	PRE	1,583
Sewerage Pumping Station	2BS - 06	2BS	Pipework & Fittings		Clarenza	B	2015	28,563	28,563	1991	PRE	1,248
Sewerage Pumping Station	2BS - 07	2BS	Telemetry		Clarenza	B	2015	10,352	10,352	1991	PRE	452
Sewerage Pumping Station	4N - 01	4N	Structure		North Grafton	A	2015	383,237	383,237	2012	POST	17,814
Sewerage Pumping Station	4N - 02	4N	Pump 1		North Grafton	A	2015	32,245	32,245	2012	POST	1,499
Sewerage Pumping Station	4N - 03	4N	Pump 2		North Grafton	A	2015	32,245	32,245	2012	POST	1,499
Sewerage Pumping Station	4N - 04	4N	Control and Electrical		North Grafton	A	2015	82,812	82,812	2012	POST	3,849

Asset Category	Asset ID	Asset Name	Segment Name	Description	Development Area Name	Development Area	Valuation Year	Gross (2015\$)	Gross (2015\$) - Adjusted	Construction Year	Pre or Post 1996 Asset	Capital Charge (2016\$)
Sewerage Pumping Station	4N - 06	4N	Pipework & Fittings		North Grafton	A	2015	34,683	34,683	2012	POST	1,612
Sewerage Pumping Station	4N - 07	4N	Telemetry		North Grafton	A	2015	10,352	10,352	2012	POST	481
Sewerage Pumping Station	4AN - 01	4AN	Structure		North Grafton	A	2015	196,264	196,264	2005	POST	9,123
Sewerage Pumping Station	4AN - 02	4AN	Pump 1		North Grafton	A	2015	12,362	12,362	2005	POST	575
Sewerage Pumping Station	4AN - 03	4AN	Pump 2		North Grafton	A	2015	12,362	12,362	2005	POST	575
Sewerage Pumping Station	4AN - 04	4AN	Control and Electrical		North Grafton	A	2015	36,230	36,230	2005	POST	1,684
Sewerage Pumping Station	4AN - 06	4AN	Pipework & Fittings		North Grafton	A	2015	28,563	28,563	2005	POST	1,328
Sewerage Pumping Station	4AN - 07	4AN	Telemetry		North Grafton	A	2015	10,352	10,352	2005	POST	481
Sewerage Pumping Station	JH4A - 01	JH4A	Structure		North Grafton	A	2015	46,453	46,453	2004	POST	2,159
Sewerage Pumping Station	JH4A - 02	JH4A	Pump 1		North Grafton	A	2015	8,448	8,448	2004	POST	393
Sewerage Pumping Station	JH4A - 03	JH4A	Pump 2		North Grafton	A	2015	8,448	8,448	2004	POST	393
Sewerage Pumping Station	JH4A - 04	JH4A	Control and Electrical		North Grafton	A	2015	36,230	36,230	2004	POST	1,684
Sewerage Pumping Station	JH4A - 06	JH4A	Pipework & Fittings		North Grafton	A	2015	28,563	28,563	2004	POST	1,328
Sewerage Pumping Station	JH4A - 07	JH4A	Telemetry		North Grafton	A	2015	10,352	10,352	2004	POST	481
Sewerage Pumping Station	PS1 - 02	PS1	Pump 1		Woodford Island	D	2015	80,356	80,356	2010	POST	4,977
Sewerage Pumping Station	PS1 - 03	PS1	Pump 2		Woodford Island	D	2015	80,356	80,356	2010	POST	4,977
Sewerage Pumping Station	PS1 - 04	PS1	Control and Electrical		Woodford Island	D	2015	274,315	274,315	2010	POST	16,989
Sewerage Pumping Station	PS1 - 06	PS1	Pipework & Fittings		Woodford Island	D	2015	245,054	245,054	2010	POST	15,177
Sewerage Pumping Station	PS1 - 07	PS1	Telemetry		Woodford Island	D	2015	10,352	10,352	2010	POST	641
Sewerage Pumping Station	PS11 - 01	PS11	Structure	Dry/Wet Well Structure	Woodford Island	D	2015	533,154	533,154	2010	POST	33,020
Sewerage Pumping Station	PS11 - 02	PS11	Pump 1	2.2 kw Mercerator pumps	Woodford Island	D	2015	30,906	30,906	2010	POST	1,914
Sewerage Pumping Station	PS11 - 03	PS11	Pump 2	2.2 kw Mercerator pumps	Woodford Island	D	2015	30,906	30,906	2010	POST	1,914
Sewerage Pumping Station	PS11 - 011	PS11	Pump 3	18.5 kw mono	Woodford Island	D	2015	25,755	25,755	2010	POST	1,595
Sewerage Pumping Station	PS11 - 012	PS11	Pump 4	18.5 kw mono	Woodford Island	D	2015	25,755	25,755	2010	POST	1,595
Sewerage Pumping Station	PS11 - 04	PS11	Control and Electrical	22 kw x 2 VSD, Air-conditioning	Woodford Island	D	2015	238,085	238,085	2010	POST	14,745
Sewerage Pumping Station	PS11 - 06	PS11	Pipework & Fittings		Woodford Island	D	2015	78,548	78,548	2010	POST	4,865
Sewerage Pumping Station	PS11 - 07	PS11	Telemetry		Woodford Island	D	2015	10,352	10,352	2010	POST	641
Sewerage Pumping Station	1AN - 01	1AN	Structure		North Grafton	A	2015	164,908	164,908	1987	PRE	7,665
Sewerage Pumping Station	1AN - 02	1AN	Pump 1		North Grafton	A	2015	32,245	32,245	1987	PRE	1,499
Sewerage Pumping Station	1AN - 03	1AN	Pump 2		North Grafton	A	2015	32,245	32,245	1987	PRE	1,499
Sewerage Pumping Station	1AN - 04	1AN	Control and Electrical		North Grafton	A	2015	82,812	82,812	1987	PRE	3,849
Sewerage Pumping Station	1AN - 06	1AN	Pipework & Fittings		North Grafton	A	2015	34,683	34,683	1987	PRE	1,612
Sewerage Pumping Station	1AN - 07	1AN	Telemetry		North Grafton	A	2015	10,352	10,352	1987	PRE	481
Sewerage Pumping Station	CL4 - 01	CL4	Structure		Clarenza	B	2015	91,745	91,745	2005	POST	4,008
Sewerage Pumping Station	CL4 - 02	CL4	Pump 1		Clarenza	B	2015	10,508	10,508	2005	POST	459
Sewerage Pumping Station	CL4 - 03	CL4	Pump 2		Clarenza	B	2015	10,508	10,508	2005	POST	459
Sewerage Pumping Station	CL4 - 04	CL4	Control and Electrical		Clarenza	B	2015	36,230	36,230	2005	POST	1,583
Sewerage Pumping Station	CL4 - 06	CL4	Pipework & Fittings		Clarenza	B	2015	28,563	28,563	2005	POST	1,248
Sewerage Pumping Station	CL4 - 07	CL4	Telemetry		Clarenza	B	2015	10,352	10,352	2005	POST	452
Sewerage Pumping Station	PS8 - 01	PS8	Structure		Woodford Island	D	2015	850,935	850,935	2010	POST	52,701
Sewerage Pumping Station	PS8 - 02	PS8	Pump 1		Woodford Island	D	2015	56,661	56,661	2010	POST	3,509
Sewerage Pumping Station	PS8 - 03	PS8	Pump 2		Woodford Island	D	2015	56,661	56,661	2010	POST	3,509
Sewerage Pumping Station	PS8 - 04	PS8	Control and Electrical		Woodford Island	D	2015	375,759	375,759	2010	POST	23,272
Sewerage Pumping Station	PS8 - 06	PS8	Pipework & Fittings		Woodford Island	D	2015	173,417	173,417	2010	POST	10,740
Sewerage Pumping Station	PS8 - 07	PS8	Odour control unit		Woodford Island	D	2015	36,057	36,057	2010	POST	2,233
Sewerage Pumping Station	PS8 - 08	PS8	Telemetry		Woodford Island	D	2015	10,352	10,352	2010	POST	641
Sewerage Pumping Station	CL2 - 01	CL2	Structure		Clarenza	B	2015	76,647	76,647	1995	PRE	3,349
Sewerage Pumping Station	CL2 - 02	CL2	Pump 1		Clarenza	B	2015	15,556	15,556	1995	PRE	680

Asset Category	Asset ID	Asset Name	Segment Name	Description	Development Area Name	Development Area	Valuation Year	Gross (2015\$)	Gross (2015\$) - Adjusted	Construction Year	Pre or Post 1996 Asset	Capital Charge (2016\$)
Sewerage Pumping Station	CL2 - 03	CL2	Pump 2		Clarenza	B	2015	15,556	15,556	1995	PRE	680
Sewerage Pumping Station	CL2 - 04	CL2	Control and Electrical		Clarenza	B	2015	36,230	36,230	1995	PRE	1,583
Sewerage Pumping Station	CL2 - 06	CL2	Pipework & Fittings		Clarenza	B	2015	28,563	28,563	1995	PRE	1,248
Sewerage Pumping Station	CL2 - 07	CL2	Telemetry		Clarenza	B	2015	10,352	10,352	1995	PRE	452
Sewerage Pumping Station	PS21 - 01	PS21	Structure		Woodford Island	D	2015	519,640	519,640	2010	POST	32,183
Sewerage Pumping Station	PS21 - 02	PS21	Pump 1		Woodford Island	D	2015	56,661	56,661	2010	POST	3,509
Sewerage Pumping Station	PS21 - 03	PS21	Pump 2		Woodford Island	D	2015	56,661	56,661	2010	POST	3,509
Sewerage Pumping Station	PS21 - 04	PS21	Control and Electrical	VSD 75 kW, Air-conditioning	Woodford Island	D	2015	300,504	300,504	2010	POST	18,611
Sewerage Pumping Station	PS21 - 05	PS21	Odour control unit		Woodford Island	D	2015	36,057	36,057	2010	POST	2,233
Sewerage Pumping Station	PS21 - 06	PS21	Pipework & Fittings		Woodford Island	D	2015	126,492	126,492	2010	POST	7,834
Sewerage Pumping Station	PS21 - 07	PS21	Telemetry		Woodford Island	D	2015	10,352	10,352	2010	POST	641
Sewerage Pumping Station	12AS - 01	12AS	Structure		Clarenza	B	2015	75,486	75,486	1993	PRE	3,298
Sewerage Pumping Station	12AS - 02	12AS	Pump 1		Clarenza	B	2015	18,853	18,853	1993	PRE	824
Sewerage Pumping Station	12AS - 03	12AS	Pump 2		Clarenza	B	2015	18,853	18,853	1993	PRE	824
Sewerage Pumping Station	12AS - 04	12AS	Control and Electrical		Clarenza	B	2015	36,230	36,230	1993	PRE	1,583
Sewerage Pumping Station	12AS - 06	12AS	Pipework & Fittings		Clarenza	B	2015	29,583	29,583	1993	PRE	1,292
Sewerage Pumping Station	12AS - 07	12AS	Telemetry		Clarenza	B	2015	10,352	10,352	1993	PRE	452
Sewerage Pumping Station	EFF - 01	EFF	Structure		North Grafton	A	2015	290,754	290,754	2010	POST	13,515
Sewerage Pumping Station	EFF - 02	EFF	Pump 1		North Grafton	A	2015	69,539	69,539	2010	POST	3,232
Sewerage Pumping Station	EFF - 03	EFF	Pump 2		North Grafton	A	2015	69,539	69,539	2010	POST	3,232
Sewerage Pumping Station	EFF - 04	EFF	Control and Electrical		North Grafton	A	2015	186,327	186,327	2010	POST	8,661
Sewerage Pumping Station	EFF - 06	EFF	Pipework & Fittings		North Grafton	A	2015	357,035	357,035	2010	POST	16,596
Sewerage Pumping Station	EFF - 07	EFF	Telemetry		North Grafton	A	2015	10,352	10,352	2010	POST	481
Sewerage Pumping Station	5BN - 01	5BN	Structure		North Grafton	A	2015	68,518	68,518	1995	PRE	3,185
Sewerage Pumping Station	5BN - 02	5BN	Pump 1		North Grafton	A	2015	6,696	6,696	1995	PRE	311
Sewerage Pumping Station	5BN - 03	5BN	Pump 2		North Grafton	A	2015	6,696	6,696	1995	PRE	311
Sewerage Pumping Station	5BN - 04	5BN	Control and Electrical		North Grafton	A	2015	36,230	36,230	1995	PRE	1,684
Sewerage Pumping Station	5BN - 06	5BN	Pipework & Fittings		North Grafton	A	2015	28,563	28,563	1995	PRE	1,328
Sewerage Pumping Station	5BN - 07	5BN	Telemetry		North Grafton	A	2015	10,352	10,352	1995	PRE	481
Sewerage Pumping Station	5AN - 01	5AN	Structure		North Grafton	A	2015	125,423	125,423	1990	PRE	5,830
Sewerage Pumping Station	5AN - 02	5AN	Pump 1		North Grafton	A	2015	7,005	7,005	1990	PRE	326
Sewerage Pumping Station	5AN - 03	5AN	Pump 2		North Grafton	A	2015	7,005	7,005	1990	PRE	326
Sewerage Pumping Station	5AN - 04	5AN	Control and Electrical		North Grafton	A	2015	36,230	36,230	1990	PRE	1,684
Sewerage Pumping Station	5AN - 06	5AN	Pipework & Fittings		North Grafton	A	2015	28,563	28,563	1990	PRE	1,328
Sewerage Pumping Station	5AN - 07	5AN	Telemetry		North Grafton	A	2015	10,352	10,352	1990	PRE	481
Sewerage Pumping Station	Y30 - 01	Y30	Structure		Yamba	E	2015	56,905	56,905	1999	POST	3,934
Sewerage Pumping Station	Y30 - 02	Y30	Pump 1		Yamba	E	2015	5,975	5,975	1999	POST	413
Sewerage Pumping Station	Y30 - 03	Y30	Pump 2		Yamba	E	2015	5,975	5,975	1999	POST	413
Sewerage Pumping Station	Y30 - 04	Y30	Control and Electrical		Yamba	E	2015	36,230	36,230	1999	POST	2,505
Sewerage Pumping Station	Y30 - 06	Y30	Pipework & Fittings		Yamba	E	2015	28,563	28,563	1999	POST	1,975
Sewerage Pumping Station	Y30 - 07	Y30	Telemetry		Yamba	E	2015	10,352	10,352	1999	POST	716
Sewerage Pumping Station	Y16 - 01	Y16	Structure		Yamba	E	2015	330,978	330,978	1994	PRE	22,883
Sewerage Pumping Station	Y16 - 02	Y16	Pump 1		Yamba	E	2015	54,189	54,189	1994	PRE	3,747
Sewerage Pumping Station	Y16 - 03	Y16	Pump 2		Yamba	E	2015	54,189	54,189	1994	PRE	3,747
Sewerage Pumping Station	Y16 - 04	Y16	Control and Electrical		Yamba	E	2015	99,374	99,374	1994	PRE	6,871
Sewerage Pumping Station	Y16 - 06	Y16	Pipework & Fittings		Yamba	E	2015	38,764	38,764	1994	PRE	2,680
Sewerage Pumping Station	Y16 - 08	Y16	Odour control unit		Yamba	E	2015	20,604	20,604	1994	PRE	1,425
Sewerage Pumping Station	Y16 - 07	Y16	Telemetry		Yamba	E	2015	10,352	10,352	1994	PRE	716

Asset Category	Asset ID	Asset Name	Segment Name	Description	Development Area Name	Development Area	Valuation Year	Gross (2015\$)	Gross (2015\$) - Adjusted	Construction Year	Pre or Post 1996 Asset	Capital Charge (2016\$)
Sewerage Pumping Station	3AN - 01	3AN	Structure		North Grafton	A	2015	210,939	210,939	1987	PRE	9,805
Sewerage Pumping Station	3AN - 02	3AN	Pump 1		North Grafton	A	2015	54,189	54,189	1987	PRE	2,519
Sewerage Pumping Station	3AN - 03	3AN	Pump 2		North Grafton	A	2015	54,189	54,189	1987	PRE	2,519
Sewerage Pumping Station	3AN - 04	3AN	Control and Electrical		North Grafton	A	2015	99,374	99,374	1987	PRE	4,619
Sewerage Pumping Station	3AN - 06	3AN	Pipework & Fittings		North Grafton	A	2015	38,764	38,764	1987	PRE	1,802
Sewerage Pumping Station	3AN - 07	3AN	Telemetry		North Grafton	A	2015	10,352	10,352	1987	PRE	481
Sewerage Pumping Station	9N - 01	9N	Structure		North Grafton	A	2015	183,489	183,489	2005	POST	8,529
Sewerage Pumping Station	9N - 02	9N	Pump 1		North Grafton	A	2015	10,508	10,508	2005	POST	488
Sewerage Pumping Station	9N - 03	9N	Pump 2		North Grafton	A	2015	10,508	10,508	2005	POST	488
Sewerage Pumping Station	9N - 04	9N	Control and Electrical		North Grafton	A	2015	36,230	36,230	2005	POST	1,684
Sewerage Pumping Station	9N - 06	9N	Pipework & Fittings		North Grafton	A	2015	28,563	28,563	2005	POST	1,328
Sewerage Pumping Station	9N - 07	9N	Telemetry		North Grafton	A	2015	10,352	10,352	2005	POST	481
Sewerage Pumping Station	1BN - 01	1BN	Structure		North Grafton	A	2015	292,654	292,654	1987	PRE	13,603
Sewerage Pumping Station	1BN - 02	1BN	Pump 1		North Grafton	A	2015	32,245	32,245	1987	PRE	1,499
Sewerage Pumping Station	1BN - 03	1BN	Pump 2		North Grafton	A	2015	32,245	32,245	1987	PRE	1,499
Sewerage Pumping Station	1BN - 04	1BN	Control and Electrical		North Grafton	A	2015	82,812	82,812	1987	PRE	3,849
Sewerage Pumping Station	1BN - 06	1BN	Pipework & Fittings		North Grafton	A	2015	34,683	34,683	1987	PRE	1,612
Sewerage Pumping Station	1BN - 07	1BN	Telemetry		North Grafton	A	2015	10,352	10,352	1987	PRE	481
Sewerage Pumping Station	2AS - 01	2AS	Structure		Clarenza	B	2015	90,583	90,583	1987	PRE	3,957
Sewerage Pumping Station	2AS - 02	2AS	Pump 1		Clarenza	B	2015	9,375	9,375	1987	PRE	410
Sewerage Pumping Station	2AS - 03	2AS	Pump 2		Clarenza	B	2015	9,375	9,375	1987	PRE	410
Sewerage Pumping Station	2AS - 04	2AS	Control and Electrical		Clarenza	B	2015	36,230	36,230	1987	PRE	1,583
Sewerage Pumping Station	2AS - 06	2AS	Pipework & Fittings		Clarenza	B	2015	28,563	28,563	1987	PRE	1,248
Sewerage Pumping Station	2AS - 07	2AS	Telemetry		Clarenza	B	2015	10,352	10,352	1987	PRE	452
Sewerage Pumping Station	Y5 - 01	Y5	Structure		Yamba	E	2015	140,520	140,520	1995	PRE	9,715
Sewerage Pumping Station	Y5 - 02	Y5	Pump 1		Yamba	E	2015	18,853	18,853	1995	PRE	1,303
Sewerage Pumping Station	Y5 - 03	Y5	Pump 2		Yamba	E	2015	18,853	18,853	1995	PRE	1,303
Sewerage Pumping Station	Y5 - 04	Y5	Control and Electrical		Yamba	E	2015	36,230	36,230	1995	PRE	2,505
Sewerage Pumping Station	Y5 - 06	Y5	Pipework & Fittings		Yamba	E	2015	29,583	29,583	1995	PRE	2,045
Sewerage Pumping Station	Y5 - 07	Y5	Telemetry		Yamba	E	2015	10,352	10,352	1995	PRE	716
Sewerage Pumping Station	11S - 01	11S	Structure		Clarenza	B	2015	95,018	95,018	2010	POST	4,151
Sewerage Pumping Station	11S - 02	11S	Pump 1		Clarenza	B	2015	76,235	76,235	2010	POST	3,331
Sewerage Pumping Station	11S - 03	11S	Pump 2		Clarenza	B	2015	76,235	76,235	2010	POST	3,331
Sewerage Pumping Station	11S - 04	11S	Control and Electrical		Clarenza	B	2015	306,404	306,404	2010	POST	13,386
Sewerage Pumping Station	11S - 06	11S	Pipework & Fittings		Clarenza	B	2015	95,889	95,889	2010	POST	4,189
Sewerage Pumping Station	11S - 07	11S	Telemetry		Clarenza	B	2015	10,352	10,352	2010	POST	452
Sewerage Pumping Station	PS9 - 01	PS9	Structure	Dia 3.5 depth 8.0 add conc HS 44m2	Woodford Island	D	2015	596,499	596,499	2010	POST	36,943
Sewerage Pumping Station	PS9 - 02	PS9	Pump 1	24kW (kSB)	Woodford Island	D	2015	46,874	46,874	2010	POST	2,903
Sewerage Pumping Station	PS9 - 03	PS9	Pump 2		Woodford Island	D	2015	46,874	46,874	2010	POST	2,903
Sewerage Pumping Station	PS9 - 04	PS9	Control and Electrical	VSD , Air-conditioning	Woodford Island	D	2015	238,085	238,085	2010	POST	14,745
Sewerage Pumping Station	PS9 - 06	PS9	Pipework & Fittings		Woodford Island	D	2015	75,487	75,487	2010	POST	4,675
Sewerage Pumping Station	PS9 - 07	PS9	Odour control unit		Woodford Island	D	2015	36,057	36,057	2010	POST	2,233
Sewerage Pumping Station	PS9 - 08	PS9	Telemetry		Woodford Island	D	2015	10,352	10,352	2010	POST	641
Sewerage Pumping Station	M9 (NOW M13) - 01	M9 (NOW M13)	Structure		Woodford Island	D	2015	149,811	149,811	2010	POST	9,278
Sewerage Pumping Station	M9 (NOW M13) - 02	M9 (NOW M13)	Pump 1		Woodford Island	D	2015	10,508	10,508	2010	POST	651

Asset Category	Asset ID	Asset Name	Segment Name	Description	Development Area Name	Development Area	Valuation Year	Gross (2015\$)	Gross (2015\$) - Adjusted	Construction Year	Pre or Post 1996 Asset	Capital Charge (2016\$)
Sewerage Pumping Station	M9 (NOW M13) - 03	M9 (NOW M13)	Pump 2		Woodford Island	D	2015	10,508	10,508	2010	POST	651
Sewerage Pumping Station	M9 (NOW M13) - 04	M9 (NOW M13)	Control and Electrical		Woodford Island	D	2015	36,230	36,230	2010	POST	2,244
Sewerage Pumping Station	M9 (NOW M13) - 06	M9 (NOW M13)	Pipework & Fittings		Woodford Island	D	2015	28,563	28,563	2010	POST	1,769
Sewerage Pumping Station	M9 (NOW M13) - 07	M9 (NOW M13)	Telemetry		Woodford Island	D	2015	10,352	10,352	2010	POST	641
Sewerage Pumping Station	Y25 - 01	Y25	Structure		Yamba	E	2015	193,941	193,941	1999	POST	13,409
Sewerage Pumping Station	Y25 - 02	Y25	Pump 1		Yamba	E	2015	32,245	32,245	1999	POST	2,229
Sewerage Pumping Station	Y25 - 03	Y25	Pump 2		Yamba	E	2015	32,245	32,245	1999	POST	2,229
Sewerage Pumping Station	Y25 - 04	Y25	Control and Electrical		Yamba	E	2015	82,812	82,812	1999	POST	5,725
Sewerage Pumping Station	Y25 - 06	Y25	Pipework & Fittings		Yamba	E	2015	34,683	34,683	1999	POST	2,398
Sewerage Pumping Station	Y25 - 07	Y25	Telemetry		Yamba	E	2015	10,352	10,352	1999	POST	716
Sewerage Pumping Station	Y27 - 01	Y27	Structure		Yamba	E	2015	117,294	117,294	2004	POST	8,110
Sewerage Pumping Station	Y27 - 02	Y27	Pump 1		Yamba	E	2015	9,375	9,375	2004	POST	648
Sewerage Pumping Station	Y27 - 03	Y27	Pump 2		Yamba	E	2015	9,375	9,375	2004	POST	648
Sewerage Pumping Station	Y27 - 04	Y27	Control and Electrical		Yamba	E	2015	36,230	36,230	2004	POST	2,505
Sewerage Pumping Station	Y27 - 06	Y27	Pipework & Fittings		Yamba	E	2015	28,563	28,563	2004	POST	1,975
Sewerage Pumping Station	Y27 - 07	Y27	Telemetry		Yamba	E	2015	10,352	10,352	2004	POST	716
Sewerage Pumping Station	JH1 - 01	JH1	Structure	Wet well/ Over flow	North Grafton	A	2015	495,147	495,147	2006	POST	23,016
Sewerage Pumping Station	JH1 - 02	JH1	Pump 1		North Grafton	A	2015	44,299	44,299	2006	POST	2,059
Sewerage Pumping Station	JH1 - 03	JH1	Pump 2		North Grafton	A	2015	44,299	44,299	2006	POST	2,059
Sewerage Pumping Station	JH1 - 04	JH1	Control and Electrical	soft starters	North Grafton	A	2015	116,972	116,972	2006	POST	5,437
Sewerage Pumping Station	JH1 - 06	JH1	Pipework & Fittings		North Grafton	A	2015	54,575	54,575	2006	POST	2,537
Sewerage Pumping Station	JH1 - 08	JH1	Magnesium Hydroxide Dosing unit		North Grafton	A		17,513	17,513	2006	POST	814
Sewerage Pumping Station	JH1 - 09	JH1	Flow meter	300mm	North Grafton	A		10,352	10,352	2006	POST	481
Sewerage Pumping Station	JH1 - 07	JH1	Telemetry		North Grafton	A	2015	10,352	10,352	2006	POST	481
Sewerage Pumping Station	Y21 - 01	Y21	Structure		Yamba	E	2015	103,358	103,358	1992	PRE	7,146
Sewerage Pumping Station	Y21 - 02	Y21	Pump 1		Yamba	E	2015	9,375	9,375	1992	PRE	648
Sewerage Pumping Station	Y21 - 03	Y21	Pump 2		Yamba	E	2015	9,375	9,375	1992	PRE	648
Sewerage Pumping Station	Y21 - 04	Y21	Control and Electrical		Yamba	E	2015	36,230	36,230	1992	PRE	2,505
Sewerage Pumping Station	Y21 - 06	Y21	Pipework & Fittings		Yamba	E	2015	28,563	28,563	1992	PRE	1,975
Sewerage Pumping Station	Y21 - 07	Y21	Telemetry		Yamba	E	2015	10,352	10,352	1992	PRE	716
Sewerage Pumping Station	JH2 - 01	JH2	Structure	Wet well/ Over flow x 3	North Grafton	A	2015	903,300	903,300	2006	POST	41,988
Sewerage Pumping Station	JH2 - 02	JH2	Pump 1		North Grafton	A	2015	93,954	93,954	2006	POST	4,367
Sewerage Pumping Station	JH2 - 03	JH2	Pump 2		North Grafton	A	2015	93,954	93,954	2006	POST	4,367
Sewerage Pumping Station	JH2 - 04	JH2	Control and Electrical	soft starters	North Grafton	A	2015	150,097	150,097	2006	POST	6,977
Sewerage Pumping Station	JH2 - 06	JH2	Pipework & Fittings		North Grafton	A	2015	63,756	63,756	2006	POST	2,964
Sewerage Pumping Station	JH2 - 07	JH2	Telemetry		North Grafton	A	2015	10,352	10,352	2006	POST	481
Sewerage Pumping Station	3BN - 01	3BN	Structure		North Grafton	A	2015	123,100	123,100	1987	PRE	5,722
Sewerage Pumping Station	3BN - 02	3BN	Pump 1		North Grafton	A	2015	15,144	15,144	1987	PRE	704
Sewerage Pumping Station	3BN - 03	3BN	Pump 2		North Grafton	A	2015	15,144	15,144	1987	PRE	704
Sewerage Pumping Station	3BN - 04	3BN	Control and Electrical		North Grafton	A	2015	36,230	36,230	1987	PRE	1,684
Sewerage Pumping Station	3BN - 06	3BN	Pipework & Fittings		North Grafton	A	2015	28,563	28,563	1987	PRE	1,328
Sewerage Pumping Station	3BN - 07	3BN	Telemetry		North Grafton	A	2015	10,352	10,352	1987	PRE	481
Sewerage Pumping Station	CL3 - 01	CL3	Structure		Clarenza	B	2015	142,843	142,843	1998	POST	6,241

Asset Category	Asset ID	Asset Name	Segment Name	Description	Development Area Name	Development Area	Valuation Year	Gross (2015\$)	Gross (2015\$) - Adjusted	Construction Year	Pre or Post 1996 Asset	Capital Charge (2016\$)
Sewerage Pumping Station	CL3 - 02	CL3	Pump 1		Clarenza	B	2015	21,840	21,840	1998	POST	954
Sewerage Pumping Station	CL3 - 03	CL3	Pump 2		Clarenza	B	2015	21,840	21,840	1998	POST	954
Sewerage Pumping Station	CL3 - 04	CL3	Control and Electrical		Clarenza	B	2015	36,230	36,230	1998	POST	1,583
Sewerage Pumping Station	CL3 - 06	CL3	Pipework & Fittings		Clarenza	B	2015	30,603	30,603	1998	POST	1,337
Sewerage Pumping Station	CL3 - 07	CL3	Telemetry		Clarenza	B	2015	10,352	10,352	1998	POST	452
Sewerage Pumping Station	1CN - 01	1CN	Structure		North Grafton	A	2015	197,425	197,425	2002	POST	9,177
Sewerage Pumping Station	1CN - 02	1CN	Pump 1		North Grafton	A	2015	22,046	22,046	2002	POST	1,025
Sewerage Pumping Station	1CN - 03	1CN	Pump 2		North Grafton	A	2015	22,046	22,046	2002	POST	1,025
Sewerage Pumping Station	1CN - 04	1CN	Control and Electrical		North Grafton	A	2015	77,636	77,636	2002	POST	3,609
Sewerage Pumping Station	1CN - 06	1CN	Pipework & Fittings		North Grafton	A	2015	31,623	31,623	2002	POST	1,470
Sewerage Pumping Station	1CN - 07	1CN	Telemetry		North Grafton	A	2015	10,352	10,352	2002	POST	481
Sewerage Pumping Station	2AN - 01	2AN	Structure		North Grafton	A	2015	109,165	109,165	2005	POST	5,074
Sewerage Pumping Station	2AN - 02	2AN	Pump 1		North Grafton	A	2015	12,362	12,362	2005	POST	575
Sewerage Pumping Station	2AN - 03	2AN	Pump 2		North Grafton	A	2015	12,362	12,362	2005	POST	575
Sewerage Pumping Station	2AN - 04	2AN	Control and Electrical		North Grafton	A	2015	36,230	36,230	2005	POST	1,684
Sewerage Pumping Station	2AN - 06	2AN	Pipework & Fittings		North Grafton	A	2015	28,563	28,563	2005	POST	1,328
Sewerage Pumping Station	2AN - 07	2AN	Telemetry		North Grafton	A	2015	10,352	10,352	2005	POST	481
Sewerage Pumping Station	AW2 - 01	AW2	Structure		Yamba	E	2015	89,422	89,422	1994	PRE	6,182
Sewerage Pumping Station	AW2 - 02	AW2	Pump 1		Yamba	E	2015	9,375	9,375	1994	PRE	648
Sewerage Pumping Station	AW2 - 03	AW2	Pump 2		Yamba	E	2015	9,375	9,375	1994	PRE	648
Sewerage Pumping Station	AW2 - 04	AW2	Control and Electrical		Yamba	E	2015	36,230	36,230	1994	PRE	2,505
Sewerage Pumping Station	AW2 - 06	AW2	Pipework & Fittings		Yamba	E	2015	28,563	28,563	1994	PRE	1,975
Sewerage Pumping Station	AW2 - 07	AW2	Telemetry		Yamba	E	2015	10,352	10,352	1994	PRE	716
Sewerage Pumping Station	Y26 - 01	Y26	Structure		Yamba	E	2015	128,907	128,907	2000	POST	8,912
Sewerage Pumping Station	Y26 - 02	Y26	Pump 1		Yamba	E	2015	9,375	9,375	2000	POST	648
Sewerage Pumping Station	Y26 - 03	Y26	Pump 2		Yamba	E	2015	9,375	9,375	2000	POST	648
Sewerage Pumping Station	Y26 - 04	Y26	Control and Electrical		Yamba	E	2015	36,230	36,230	2000	POST	2,505
Sewerage Pumping Station	Y26 - 06	Y26	Pipework & Fittings		Yamba	E	2015	28,563	28,563	2000	POST	1,975
Sewerage Pumping Station	Y26 - 07	Y26	Telemetry		Yamba	E	2015	10,352	10,352	2000	POST	716
Sewerage Pumping Station	Y33 - 01	Y33	Structure		Yamba	E	2015	128,907	128,907	1999	POST	8,912
Sewerage Pumping Station	Y33 - 02	Y33	Pump 1		Yamba	E	2015	9,375	9,375	1999	POST	648
Sewerage Pumping Station	Y33 - 03	Y33	Pump 2		Yamba	E	2015	9,375	9,375	1999	POST	648
Sewerage Pumping Station	Y33 - 04	Y33	Control and Electrical		Yamba	E	2015	36,230	36,230	1999	POST	2,505
Sewerage Pumping Station	Y33 - 06	Y33	Pipework & Fittings		Yamba	E	2015	28,563	28,563	1999	POST	1,975
Sewerage Pumping Station	Y33 - 07	Y33	Telemetry		Yamba	E	2015	10,352	10,352	1999	POST	716
Sewerage Pumping Station	Y32 - 01	Y32	Structure		Yamba	E	2015	128,907	128,907	1990	PRE	8,912
Sewerage Pumping Station	Y32 - 02	Y32	Pump 1		Yamba	E	2015	5,975	5,975	1990	PRE	413
Sewerage Pumping Station	Y32 - 03	Y32	Pump 2		Yamba	E	2015	5,975	5,975	1990	PRE	413
Sewerage Pumping Station	Y32 - 04	Y32	Control and Electrical		Yamba	E	2015	36,230	36,230	1990	PRE	2,505
Sewerage Pumping Station	Y32 - 06	Y32	Pipework & Fittings		Yamba	E	2015	28,563	28,563	1990	PRE	1,975
Sewerage Pumping Station	Y32 - 07	Y32	Telemetry		Yamba	E	2015	10,352	10,352	1990	PRE	716
Sewerage Pumping Station		AW1			Yamba	E	2015	420,000	420,000	1994	PRE	29,038
Sewerage Pumping Station		AW4			Yamba	E	2015	320,000	320,000	1998	POST	22,124
Sewerage Pumping Station		AW6			Yamba	E	2015	320,000	320,000	1998	POST	22,124
Sewerage Pumping Station		M12			Woodford Island	D	2015	320,000	320,000	1990	PRE	19,819

Table 14-3 Existing Sewerage Pressure Units (contributing to Capital Charge)

Asset Category	Asset ID	Asset Name	Segment Name	Description	Development Area Name	Development Area	Valuation Year	Gross (2015\$)	Gross (2015\$) - Adjusted	Construction Year	Pre or Post 1996 Asset	Capital Charge (2016\$)
Sewer Pressure Units	CVC-SPU-2013- 001	Sewer Pressure Unit			Yamba	E	2015	6,882.00	6,882.00	2012	POST	476
Sewer Pressure Units	CVC-SPU-2013- 002	Sewer Pressure Unit			Yamba	E	2015	6,882.00	6,882.00	2012	POST	476
Sewer Pressure Units	CVC-SPU-2013- 003	Sewer Pressure Unit			Yamba	E	2015	6,882.00	6,882.00	2012	POST	476
Sewer Pressure Units	CVC-SPU-2013- 004	Sewer Pressure Unit			Yamba	E	2015	6,882.00	6,882.00	2012	POST	476
Sewer Pressure Units	CVC-SPU-2013- 005	Sewer Pressure Unit			Yamba	E	2015	6,882.00	6,882.00	2012	POST	476
Sewer Pressure Units	CVC-SPU-2013- 006	Sewer Pressure Unit			Yamba	E	2015	6,882.00	6,882.00	2012	POST	476
Sewer Pressure Units	CVC-SPU-2013- 007	Sewer Pressure Unit			Yamba	E	2015	6,882.00	6,882.00	2012	POST	476
Sewer Pressure Units	CVC-SPU-2013- 008	Sewer Pressure Unit			Yamba	E	2015	6,882.00	6,882.00	2012	POST	476
Sewer Pressure Units	CVC-SPU-2013- 009	Sewer Pressure Unit			Yamba	E	2015	6,882.00	6,882.00	2012	POST	476
Sewer Pressure Units	CVC-SPU-2013- 010	Sewer Pressure Unit			Yamba	E	2015	6,882.00	6,882.00	2012	POST	476
Sewer Pressure Units	CVC-SPU-2013- 011	Sewer Pressure Unit			Yamba	E	2015	6,882.00	6,882.00	2012	POST	476
Sewer Pressure Units	CVC-SPU-2013- 012	Sewer Pressure Unit			Yamba	E	2015	6,882.00	6,882.00	2012	POST	476
Sewer Pressure Units	CVC-SPU-2013- 013	Sewer Pressure Unit			Yamba	E	2015	6,882.00	6,882.00	2012	POST	476
Iluka Sewerage Pumping Stations	APV-CVC-ILUKASPU-001	Sewer Pumping	Sand Trap		Iluka	F	2015	29,278	29,278	2014	POST	2,178
Iluka Sewerage Pumping Stations	APV-CVC-ILUKASPU-002	Sewer Pumping	Simplex Units	Pump Pit	Iluka	F	2015	2,895,612	2,895,612	2014	POST	215,442
Iluka Sewerage Pumping Stations	APV-CVC-ILUKASPU-003	Sewer Pumping	Simplex Units	Pump	Iluka	F	2015	2,459,993	2,459,993	2014	POST	183,031
Iluka Sewerage Pumping Stations	APV-CVC-ILUKASPU-004	Sewer Pumping	Simplex Units	Control Panel	Iluka	F	2015	1,865,239	1,865,239	2014	POST	138,779
Iluka Sewerage Pumping Stations	APV-CVC-ILUKASPU-005	Sewer Pumping	Simplex Units	Pipework & Fitting	Iluka	F	2015	1,189,557	1,189,557	2014	POST	88,507
Iluka Sewerage Pumping Stations	APV-CVC-ILUKASPU-006	Sewer Pumping	Duplex Units	Pump Pit	Iluka	F	2015	793,412	793,412	2014	POST	59,032
Iluka Sewerage Pumping Stations	APV-CVC-ILUKASPU-007	Sewer Pumping	Duplex Units	Pump 1	Iluka	F	2015	152,123	152,123	2014	POST	11,318
Iluka Sewerage Pumping Stations	APV-CVC-ILUKASPU-008	Sewer Pumping	Duplex Units	Pump 2	Iluka	F	2015	152,123	152,123	2014	POST	11,318
Iluka Sewerage Pumping Stations	APV-CVC-ILUKASPU-009	Sewer Pumping	Duplex Units	Control Panel	Iluka	F	2015	109,464	109,464	2014	POST	8,144
Iluka Sewerage Pumping Stations	APV-CVC-ILUKASPU-010	Sewer Pumping	Duplex Units	Pipework & Fitting	Iluka	F	2015	84,382	84,382	2014	POST	6,278
Iluka Sewerage Pumping Stations	APV-CVC-ILUKASPU-011	Sewer Pumping	Quad Units	Pump Pit	Iluka	F	2015	580,745	580,745	2014	POST	43,209
Iluka Sewerage Pumping Stations	APV-CVC-ILUKASPU-012	Sewer Pumping	Quad Units	Pump 1	Iluka	F	2015	30,939	30,939	2014	POST	2,302
Iluka Sewerage Pumping Stations	APV-CVC-ILUKASPU-013	Sewer Pumping	Quad Units	Pump 2	Iluka	F	2015	30,939	30,939	2014	POST	2,302
Iluka Sewerage Pumping Stations	APV-CVC-ILUKASPU-014	Sewer Pumping	Quad Units	Pump 3	Iluka	F	2015	30,939	30,939	2014	POST	2,302
Iluka Sewerage Pumping Stations	APV-CVC-ILUKASPU-015	Sewer Pumping	Quad Units	Pump 4	Iluka	F	2015	30,939	30,939	2014	POST	2,302
Iluka Sewerage Pumping Stations	APV-CVC-ILUKASPU-016	Sewer Pumping	Quad Units	Control Panels	Iluka	F	2015	60,814	60,814	2014	POST	4,525
Iluka Sewerage Pumping Stations	APV-CVC-ILUKASPU-017	Sewer Pumping	Quad Units	Pipework & Fitting	Iluka	F	2015	23,440	23,440	2014	POST	1,744
Sewer Pressure Units	CVC-SPU-2013- 014	Sewer Pressure Unit	910015		Woodford Island	D	2015	6,882.00	6,882.00	2016	POST	426

Table 14-4 Existing Gravity Mains (contributing to Capital Charge)

Asset Category	Asset ID	Asset Name	Segment Name	Description	Development Area Name	Development Area	Valuation Year	Gross (2015\$)	Gross (2015\$) - Adjusted	Construction Year	Pre or Post 1996 Asset	Capital Charge (2016\$)
Sewerage Mains	39666				North Grafton	A	2015	28,551	28,551	1987	PRE	1,327
Sewerage Mains	39667				North Grafton	A	2015	12,236	12,236	1987	PRE	569
Sewerage Mains	39668				North Grafton	A	2015	26,500	26,500	1987	PRE	1,232
Sewerage Mains	39672				North Grafton	A	2015	25,714	25,714	1987	PRE	1,195
Sewerage Mains	39673				North Grafton	A	2015	48,491	48,491	1987	PRE	2,254
Sewerage Mains	39679				North Grafton	A	2015	4,243	4,243	1987	PRE	197
Sewerage Mains	39680				North Grafton	A	2015	53,828	53,828	1987	PRE	2,502
Sewerage Mains	39681				North Grafton	A	2015	51,343	51,343	1987	PRE	2,387
Sewerage Mains	39682				North Grafton	A	2015	52,171	52,171	1987	PRE	2,425
Sewerage Mains	40076				North Grafton	A	2015	3,928	3,928	1987	PRE	183
Sewerage Mains	40077				North Grafton	A	2015	9,867	9,867	1987	PRE	459
Sewerage Mains	40078				North Grafton	A	2015	17,353	17,353	1987	PRE	807
Sewerage Mains	40079				North Grafton	A	2015	11,921	11,921	1987	PRE	554
Sewerage Mains	40080				North Grafton	A	2015	5,563	5,563	1987	PRE	259
Sewerage Mains	40081				North Grafton	A	2015	64,678	64,678	1987	PRE	3,006
Sewerage Mains	40223				North Grafton	A	2015	76,625	76,625	1987	PRE	3,562
Sewerage Mains	40224				North Grafton	A	2015	67,370	67,370	1987	PRE	3,132
Sewerage Mains	40229				North Grafton	A	2015	93,064	93,064	1987	PRE	4,326
Sewerage Mains	40230				North Grafton	A	2015	87,424	87,424	1987	PRE	4,064
Sewerage Mains	40231				North Grafton	A	2015	54,050	54,050	1987	PRE	2,512
Sewerage Mains	40232				North Grafton	A	2015	47,771	47,771	1987	PRE	2,221
Sewerage Mains	40233				North Grafton	A	2015	15,014	15,014	1987	PRE	698
Sewerage Mains	40308				North Grafton	A	2015	9,512	9,512	1987	PRE	442
Sewerage Mains	40637				North Grafton	A	2015	25,672	25,672	1987	PRE	1,193
Sewerage Mains	40638				North Grafton	A	2015	9,937	9,937	1987	PRE	462
Sewerage Mains	40663				North Grafton	A	2015	48,426	48,426	1987	PRE	2,251
Sewerage Mains	40664				North Grafton	A	2015	61,450	61,450	1987	PRE	2,856
Sewerage Mains	40775				North Grafton	A	2015	36,437	36,437	1987	PRE	1,694
Sewerage Mains	40776				North Grafton	A	2015	36,437	36,437	1987	PRE	1,694
Sewerage Mains	41834				Clarenza	B	2015	6,238	6,238	1987	PRE	273
Sewerage Mains	41843				Clarenza	B	2015	22,643	22,643	1987	PRE	989
Sewerage Mains	41844				Clarenza	B	2015	18,484	18,484	1987	PRE	808
Sewerage Mains	42093				Clarenza	B	2015	22,181	22,181	1987	PRE	969
Sewerage Mains	42094				Clarenza	B	2015	16,691	16,691	1987	PRE	729
Sewerage Mains	42095				Clarenza	B	2015	28,527	28,527	1987	PRE	1,246
Sewerage Mains	44979				Yamba	E	2015	404	404	1987	PRE	28
Sewerage Mains	44980				Yamba	E	2015	12,175	12,175	1987	PRE	842
Sewerage Mains	44981				Yamba	E	2015	6,919	6,919	1987	PRE	478
Sewerage Mains	44982				Yamba	E	2015	13,657	13,657	1987	PRE	944
Sewerage Mains	44983				Yamba	E	2015	20,102	20,102	1987	PRE	1,390

Asset Category	Asset ID	Asset Name	Segment Name	Description	Development Area Name	Development Area	Valuation Year	Gross (2015\$)	Gross (2015\$) - Adjusted	Construction Year	Pre or Post 1996 Asset	Capital Charge (2016\$)
Sewerage Mains	44984				Yamba	E	2015	1,964	1,964	1987	PRE	136
Sewerage Mains	44985				Yamba	E	2015	10,120	10,120	1987	PRE	700
Sewerage Mains	44986				Yamba	E	2015	17,298	17,298	1987	PRE	1,196
Sewerage Mains	44987				Yamba	E	2015	20,030	20,030	1987	PRE	1,385
Sewerage Mains	44988				Yamba	E	2015	8,480	8,480	1987	PRE	586
Sewerage Mains	44989				Yamba	E	2015	7,047	7,047	1987	PRE	487
Sewerage Mains	44990				Yamba	E	2015	15,203	15,203	1987	PRE	1,051
Sewerage Mains	44991				Yamba	E	2015	19,131	19,131	1987	PRE	1,323
Sewerage Mains	44992				Yamba	E	2015	7,786	7,786	1987	PRE	538
Sewerage Mains	44993				Yamba	E	2015	1,366	1,366	1987	PRE	94
Sewerage Mains	44994				Yamba	E	2015	28,679	28,679	1987	PRE	1,983
Sewerage Mains	44995				Yamba	E	2015	14,510	14,510	1987	PRE	1,003
Sewerage Mains	44996				Yamba	E	2015	2,287	2,287	1987	PRE	158
Sewerage Mains	44997				Yamba	E	2015	7,579	7,579	1987	PRE	524
Sewerage Mains	44998				Yamba	E	2015	7,971	7,971	1987	PRE	551
Sewerage Mains	44999				Yamba	E	2015	13,632	13,632	1987	PRE	942
Sewerage Mains	45000				Yamba	E	2015	6,400	6,400	1987	PRE	442
Sewerage Mains	45001				Yamba	E	2015	8,572	8,572	1987	PRE	593
Sewerage Mains	45002				Yamba	E	2015	12,584	12,584	1987	PRE	870
Sewerage Mains	45003				Yamba	E	2015	17,052	17,052	1987	PRE	1,179
Sewerage Mains	45004				Yamba	E	2015	4,713	4,713	1987	PRE	326
Sewerage Mains	45005				Yamba	E	2015	5,730	5,730	1987	PRE	396
Sewerage Mains	45006				Yamba	E	2015	4,875	4,875	1987	PRE	337
Sewerage Mains	45007				Yamba	E	2015	12,048	12,048	1987	PRE	833
Sewerage Mains	45008				Yamba	E	2015	14,094	14,094	1987	PRE	974
Sewerage Mains	45009				Yamba	E	2015	4,090	4,090	1987	PRE	283
Sewerage Mains	45010				Yamba	E	2015	9,195	9,195	1987	PRE	636
Sewerage Mains	45011				Yamba	E	2015	10,467	10,467	1987	PRE	724
Sewerage Mains	45012				Yamba	E	2015	4,482	4,482	1987	PRE	310
Sewerage Mains	45013				Yamba	E	2015	13,355	13,355	1987	PRE	923
Sewerage Mains	45014				Yamba	E	2015	21,031	21,031	1987	PRE	1,454
Sewerage Mains	45015				Yamba	E	2015	16,936	16,936	1987	PRE	1,171
Sewerage Mains	45016				Yamba	E	2015	3,997	3,997	1987	PRE	276
Sewerage Mains	45017				Yamba	E	2015	9,438	9,438	1987	PRE	653
Sewerage Mains	45018				Yamba	E	2015	16,752	16,752	1987	PRE	1,158
Sewerage Mains	45019				Yamba	E	2015	12,708	12,708	1987	PRE	879
Sewerage Mains	45020				Yamba	E	2015	9,450	9,450	1987	PRE	653
Sewerage Mains	45021				Yamba	E	2015	6,950	6,950	1987	PRE	481
Sewerage Mains	45022				Yamba	E	2015	13,124	13,124	1987	PRE	907
Sewerage Mains	45023				Yamba	E	2015	4,991	4,991	1987	PRE	345
Sewerage Mains	45105				Yamba	E	2015	4,856	4,856	1987	PRE	336
Sewerage Mains	45106				Yamba	E	2015	18,027	18,027	1987	PRE	1,246
Sewerage Mains	45107				Yamba	E	2015	18,057	18,057	1987	PRE	1,248
Sewerage Mains	45108				Yamba	E	2015	13,678	13,678	1987	PRE	946
Sewerage Mains	45109				Yamba	E	2015	13,979	13,979	1987	PRE	966
Sewerage Mains	45110				Yamba	E	2015	5,314	5,314	1987	PRE	367
Sewerage Mains	45112				Yamba	E	2015	15,447	15,447	1987	PRE	1,068

Asset Category	Asset ID	Asset Name	Segment Name	Description	Development Area Name	Development Area	Valuation Year	Gross (2015\$)	Gross (2015\$) - Adjusted	Construction Year	Pre or Post 1996 Asset	Capital Charge (2016\$)
Sewerage Mains	45113				Yamba	E	2015	18,300	18,300	1987	PRE	1,265
Sewerage Mains	45114				Yamba	E	2015	18,785	18,785	1987	PRE	1,299
Sewerage Mains	45115				Yamba	E	2015	20,788	20,788	1987	PRE	1,437
Sewerage Mains	45116				Yamba	E	2015	10,305	10,305	1987	PRE	712
Sewerage Mains	45117				Yamba	E	2015	13,771	13,771	1987	PRE	952
Sewerage Mains	45118				Yamba	E	2015	14,395	14,395	1987	PRE	995
Sewerage Mains	45155				Yamba	E	2015	19,817	19,817	1987	PRE	1,370
Sewerage Mains	45156				Yamba	E	2015	17,389	17,389	1987	PRE	1,202
Sewerage Mains	45157				Yamba	E	2015	27,829	27,829	1987	PRE	1,924
Sewerage Mains	45158				Yamba	E	2015	8,803	8,803	1987	PRE	609
Sewerage Mains	45159				Yamba	E	2015	4,090	4,090	1987	PRE	283
Sewerage Mains	45160				Yamba	E	2015	22,481	22,481	1987	PRE	1,554
Sewerage Mains	45161				Yamba	E	2015	8,711	8,711	1987	PRE	602
Sewerage Mains	45162				Yamba	E	2015	4,459	4,459	1987	PRE	308
Sewerage Mains	45163				Yamba	E	2015	6,403	6,403	1987	PRE	443
Sewerage Mains	45164				Yamba	E	2015	7,890	7,890	1987	PRE	546
Sewerage Mains	45165				Yamba	E	2015	3,065	3,065	1987	PRE	212
Sewerage Mains	45166				Yamba	E	2015	8,528	8,528	1987	PRE	590
Sewerage Mains	45167				Yamba	E	2015	7,375	7,375	1987	PRE	510
Sewerage Mains	45168				Yamba	E	2015	11,016	11,016	1987	PRE	762
Sewerage Mains	45169				Yamba	E	2015	15,596	15,596	1987	PRE	1,078
Sewerage Mains	45170				Yamba	E	2015	11,275	11,275	1987	PRE	780
Sewerage Mains	45171				Yamba	E	2015	7,278	7,278	1987	PRE	503
Sewerage Mains	45172				Yamba	E	2015	7,301	7,301	1987	PRE	505
Sewerage Mains	45184				Yamba	E	2015	9,529	9,529	1987	PRE	659
Sewerage Mains	45199				Yamba	E	2015	9,797	9,797	1987	PRE	677
Sewerage Mains	45204				Yamba	E	2015	1,456	1,456	1987	PRE	101
Sewerage Mains	45209				Yamba	E	2015	4,875	4,875	1987	PRE	337
Sewerage Mains	45214				Yamba	E	2015	4,945	4,945	1987	PRE	342
Sewerage Mains	45329				Yamba	E	2015	10,652	10,652	1987	PRE	736
Sewerage Mains	45330				Yamba	E	2015	8,497	8,497	1987	PRE	587
Sewerage Mains	45331				Yamba	E	2015	5,311	5,311	1987	PRE	367
Sewerage Mains	45332				Yamba	E	2015	3,945	3,945	1987	PRE	273
Sewerage Mains	45333				Yamba	E	2015	8,780	8,780	1987	PRE	607
Sewerage Mains	45334				Yamba	E	2015	5,314	5,314	1987	PRE	367
Sewerage Mains	45335				Yamba	E	2015	4,875	4,875	1987	PRE	337
Sewerage Mains	45336				Yamba	E	2015	7,405	7,405	1987	PRE	512
Sewerage Mains	45337				Yamba	E	2015	4,852	4,852	1987	PRE	335
Sewerage Mains	45338				Yamba	E	2015	6,932	6,932	1987	PRE	479
Sewerage Mains	45339				Yamba	E	2015	21,547	21,547	1987	PRE	1,490
Sewerage Mains	45340				Yamba	E	2015	7,047	7,047	1987	PRE	487
Sewerage Mains	45341				Yamba	E	2015	19,316	19,316	1987	PRE	1,335
Sewerage Mains	45345				Yamba	E	2015	4,921	4,921	1987	PRE	340
Sewerage Mains	45346				Yamba	E	2015	10,318	10,318	1987	PRE	713
Sewerage Mains	45347				Yamba	E	2015	11,649	11,649	1987	PRE	805
Sewerage Mains	45348				Yamba	E	2015	7,557	7,557	1987	PRE	522
Sewerage Mains	45349				Yamba	E	2015	3,997	3,997	1987	PRE	276

Asset Category	Asset ID	Asset Name	Segment Name	Description	Development Area Name	Development Area	Valuation Year	Gross (2015\$)	Gross (2015\$) - Adjusted	Construction Year	Pre or Post 1996 Asset	Capital Charge (2016\$)
Sewerage Mains	45350				Yamba	E	2015	26,371	26,371	1987	PRE	1,823
Sewerage Mains	45361				Yamba	E	2015	11,691	11,691	1987	PRE	808
Sewerage Mains	45362				Yamba	E	2015	6,862	6,862	1987	PRE	474
Sewerage Mains	45364				Yamba	E	2015	4,067	4,067	1987	PRE	281
Sewerage Mains	46998				Yamba	E	2015	3,434	3,434	1987	PRE	237
Sewerage Mains	39570				North Grafton	A	2015	19,119	19,119	1987	PRE	889
Sewerage Mains	39297				North Grafton	A	2015	15,781	15,781	1987	PRE	734
Sewerage Mains	39298				North Grafton	A	2015	4,852	4,852	1987	PRE	226
Sewerage Mains	39299				North Grafton	A	2015	7,394	7,394	1987	PRE	344
Sewerage Mains	39300				North Grafton	A	2015	9,704	9,704	1987	PRE	451
Sewerage Mains	39301				North Grafton	A	2015	10,397	10,397	1987	PRE	483
Sewerage Mains	39302				North Grafton	A	2015	11,091	11,091	1987	PRE	516
Sewerage Mains	39303				North Grafton	A	2015	9,196	9,196	1987	PRE	427
Sewerage Mains	39304				North Grafton	A	2015	2,680	2,680	1987	PRE	125
Sewerage Mains	39305				North Grafton	A	2015	15,943	15,943	1987	PRE	741
Sewerage Mains	39306				North Grafton	A	2015	6,677	6,677	1987	PRE	310
Sewerage Mains	39307				North Grafton	A	2015	5,776	5,776	1987	PRE	268
Sewerage Mains	39308				North Grafton	A	2015	5,083	5,083	1987	PRE	236
Sewerage Mains	39309				North Grafton	A	2015	5,614	5,614	1987	PRE	261
Sewerage Mains	39310				North Grafton	A	2015	11,784	11,784	1987	PRE	548
Sewerage Mains	39311				North Grafton	A	2015	11,784	11,784	1987	PRE	548
Sewerage Mains	39312				North Grafton	A	2015	12,594	12,594	1987	PRE	585
Sewerage Mains	42492				North Grafton	A	2015	1,710	1,710	1987	PRE	79
Sewerage Mains	41061				Clarenza	B	2015	6,469	6,469	1987	PRE	283
Sewerage Mains	39783				North Grafton	A	2015	19,388	19,388	1988	PRE	901
Sewerage Mains	39785				North Grafton	A	2015	21,998	21,998	1988	PRE	1,023
Sewerage Mains	39820				North Grafton	A	2015	34,909	34,909	1988	PRE	1,623
Sewerage Mains	39953				North Grafton	A	2015	3,642	3,642	1988	PRE	169
Sewerage Mains	39955				North Grafton	A	2015	7,625	7,625	1988	PRE	354
Sewerage Mains	40023				North Grafton	A	2015	33,471	33,471	1988	PRE	1,556
Sewerage Mains	40024				North Grafton	A	2015	41,274	41,274	1988	PRE	1,919
Sewerage Mains	40641				North Grafton	A	2015	4,474	4,474	1988	PRE	208
Sewerage Mains	40642				North Grafton	A	2015	1,953	1,953	1988	PRE	91
Sewerage Mains	40643				North Grafton	A	2015	3,905	3,905	1988	PRE	182
Sewerage Mains	40698				North Grafton	A	2015	4,806	4,806	1988	PRE	223
Sewerage Mains	40730				North Grafton	A	2015	3,466	3,466	1988	PRE	161
Sewerage Mains	41682				Clarenza	B	2015	5,314	5,314	1988	PRE	232
Sewerage Mains	41683				Clarenza	B	2015	3,235	3,235	1988	PRE	141
Sewerage Mains	41684				Clarenza	B	2015	10,628	10,628	1988	PRE	464
Sewerage Mains	41685				Clarenza	B	2015	9,935	9,935	1988	PRE	434
Sewerage Mains	41686				Clarenza	B	2015	1,409	1,409	1988	PRE	62
Sewerage Mains	41688				Clarenza	B	2015	5,314	5,314	1988	PRE	232
Sewerage Mains	41895				Clarenza	B	2015	12,777	12,777	1988	PRE	558
Sewerage Mains	41897				Clarenza	B	2015	2,773	2,773	1988	PRE	121
Sewerage Mains	42075				Clarenza	B	2015	15,462	15,462	1988	PRE	676
Sewerage Mains	42076				Clarenza	B	2015	4,182	4,182	1988	PRE	183
Sewerage Mains	42077				Clarenza	B	2015	17,765	17,765	1988	PRE	776

Asset Category	Asset ID	Asset Name	Segment Name	Description	Development Area Name	Development Area	Valuation Year	Gross (2015\$)	Gross (2015\$) - Adjusted	Construction Year	Pre or Post 1996 Asset	Capital Charge (2016\$)
Sewerage Mains	42078				Clarenza	B	2015	9,711	9,711	1988	PRE	424
Sewerage Mains	42079				Clarenza	B	2015	5,454	5,454	1988	PRE	238
Sewerage Mains	42080				Clarenza	B	2015	10,266	10,266	1988	PRE	449
Sewerage Mains	42081				Clarenza	B	2015	12,015	12,015	1988	PRE	525
Sewerage Mains	42082				Clarenza	B	2015	14,094	14,094	1988	PRE	616
Sewerage Mains	42083				Clarenza	B	2015	7,394	7,394	1988	PRE	323
Sewerage Mains	42084				Clarenza	B	2015	6,070	6,070	1988	PRE	265
Sewerage Mains	42085				Clarenza	B	2015	5,766	5,766	1988	PRE	252
Sewerage Mains	42086				Clarenza	B	2015	8,549	8,549	1988	PRE	373
Sewerage Mains	42088				Clarenza	B	2015	5,545	5,545	1988	PRE	242
Sewerage Mains	42089				Clarenza	B	2015	11,784	11,784	1988	PRE	515
Sewerage Mains	42090				Clarenza	B	2015	24,345	24,345	1988	PRE	1,064
Sewerage Mains	42160				Clarenza	B	2015	19,739	19,739	1988	PRE	862
Sewerage Mains	39954				North Grafton	A	2015	2,883	2,883	1988	PRE	134
Sewerage Mains	39956				North Grafton	A	2015	18,512	18,512	1988	PRE	860
Sewerage Mains	39965				North Grafton	A	2015	15,477	15,477	1988	PRE	719
Sewerage Mains	39967				North Grafton	A	2015	3,217	3,217	1988	PRE	150
Sewerage Mains	39856				North Grafton	A	2015	3,270	3,270	1988	PRE	152
Sewerage Mains	40008				North Grafton	A	2015	45,424	45,424	1988	PRE	2,111
Sewerage Mains	39734				North Grafton	A	2015	5,593	5,593	1989	PRE	260
Sewerage Mains	39735				North Grafton	A	2015	3,356	3,356	1989	PRE	156
Sewerage Mains	39738				North Grafton	A	2015	3,356	3,356	1989	PRE	156
Sewerage Mains	41854				Clarenza	B	2015	24,278	24,278	1989	PRE	1,061
Sewerage Mains	41869				Clarenza	B	2015	8,780	8,780	1989	PRE	384
Sewerage Mains	41870				Clarenza	B	2015	4,852	4,852	1989	PRE	212
Sewerage Mains	41871				Clarenza	B	2015	11,784	11,784	1989	PRE	515
Sewerage Mains	41872				Clarenza	B	2015	9,935	9,935	1989	PRE	434
Sewerage Mains	41873				Clarenza	B	2015	6,932	6,932	1989	PRE	303
Sewerage Mains	41874				Clarenza	B	2015	9,242	9,242	1989	PRE	404
Sewerage Mains	41875				Clarenza	B	2015	18,484	18,484	1989	PRE	808
Sewerage Mains	41876				Clarenza	B	2015	12,746	12,746	1989	PRE	557
Sewerage Mains	41877				Clarenza	B	2015	13,863	13,863	1989	PRE	606
Sewerage Mains	41878				Clarenza	B	2015	12,746	12,746	1989	PRE	557
Sewerage Mains	41879				Clarenza	B	2015	16,405	16,405	1989	PRE	717
Sewerage Mains	41880				Clarenza	B	2015	23,064	23,064	1989	PRE	1,008
Sewerage Mains	41881				Clarenza	B	2015	12,015	12,015	1989	PRE	525
Sewerage Mains	41882				Clarenza	B	2015	15,781	15,781	1989	PRE	689
Sewerage Mains	41883				Clarenza	B	2015	12,246	12,246	1989	PRE	535
Sewerage Mains	41884				Clarenza	B	2015	13,863	13,863	1989	PRE	606
Sewerage Mains	41885				Clarenza	B	2015	13,632	13,632	1989	PRE	596
Sewerage Mains	41886				Clarenza	B	2015	11,275	11,275	1989	PRE	493
Sewerage Mains	41887				Clarenza	B	2015	924	924	1989	PRE	40
Sewerage Mains	41888				Clarenza	B	2015	6,146	6,146	1989	PRE	269
Sewerage Mains	41889				Clarenza	B	2015	9,242	9,242	1989	PRE	404
Sewerage Mains	41891				Clarenza	B	2015	18,484	18,484	1989	PRE	808
Sewerage Mains	41892				Clarenza	B	2015	18,484	18,484	1989	PRE	808
Sewerage Mains	41893				Clarenza	B	2015	9,945	9,945	1989	PRE	434

Asset Category	Asset ID	Asset Name	Segment Name	Description	Development Area Name	Development Area	Valuation Year	Gross (2015\$)	Gross (2015\$) - Adjusted	Construction Year	Pre or Post 1996 Asset	Capital Charge (2016\$)
Sewerage Mains	41894				Clarenza	B	2015	9,625	9,625	1989	PRE	420
Sewerage Mains	41898				Clarenza	B	2015	18,484	18,484	1989	PRE	808
Sewerage Mains	41905				Clarenza	B	2015	18,484	18,484	1989	PRE	808
Sewerage Mains	41906				Clarenza	B	2015	18,484	18,484	1989	PRE	808
Sewerage Mains	41907				Clarenza	B	2015	18,484	18,484	1989	PRE	808
Sewerage Mains	41908				Clarenza	B	2015	8,549	8,549	1989	PRE	373
Sewerage Mains	41909				Clarenza	B	2015	12,246	12,246	1989	PRE	535
Sewerage Mains	41910				Clarenza	B	2015	8,549	8,549	1989	PRE	373
Sewerage Mains	41911				Clarenza	B	2015	15,943	15,943	1989	PRE	697
Sewerage Mains	41913				Clarenza	B	2015	13,401	13,401	1989	PRE	585
Sewerage Mains	41914				Clarenza	B	2015	5,083	5,083	1989	PRE	222
Sewerage Mains	42092				Clarenza	B	2015	4,852	4,852	1989	PRE	212
Sewerage Mains	42162				Clarenza	B	2015	18,209	18,209	1989	PRE	796
Sewerage Mains	46883				Clarenza	B	2015	15,804	15,804	1989	PRE	690
Sewerage Mains	41912				Clarenza	B	2015	2,380	2,380	1989	PRE	104
Sewerage Mains	39804				North Grafton	A	2015	13,424	13,424	1990	PRE	624
Sewerage Mains	40467				North Grafton	A	2015	4,968	4,968	1990	PRE	231
Sewerage Mains	40781				North Grafton	A	2015	1,779	1,779	1990	PRE	83
Sewerage Mains	41510				Clarenza	B	2015	693	693	1990	PRE	30
Sewerage Mains	41511				Clarenza	B	2015	924	924	1990	PRE	40
Sewerage Mains	41512				Clarenza	B	2015	4,852	4,852	1990	PRE	212
Sewerage Mains	41513				Clarenza	B	2015	2,079	2,079	1990	PRE	91
Sewerage Mains	41514				Clarenza	B	2015	10,890	10,890	1990	PRE	476
Sewerage Mains	42097				Clarenza	B	2015	15,018	15,018	1990	PRE	656
Sewerage Mains	42098				Clarenza	B	2015	19,726	19,726	1990	PRE	862
Sewerage Mains	42099				Clarenza	B	2015	22,458	22,458	1990	PRE	981
Sewerage Mains	42100				Clarenza	B	2015	5,499	5,499	1990	PRE	240
Sewerage Mains	42101				Clarenza	B	2015	12,443	12,443	1990	PRE	544
Sewerage Mains	42102				Clarenza	B	2015	8,194	8,194	1990	PRE	358
Sewerage Mains	42104				Clarenza	B	2015	28,232	28,232	1990	PRE	1,233
Sewerage Mains	42121				Clarenza	B	2015	18,715	18,715	1990	PRE	818
Sewerage Mains	42122				Clarenza	B	2015	6,469	6,469	1990	PRE	283
Sewerage Mains	42123				Clarenza	B	2015	4,020	4,020	1990	PRE	176
Sewerage Mains	42126				Clarenza	B	2015	20,564	20,564	1990	PRE	898
Sewerage Mains	42127				Clarenza	B	2015	10,397	10,397	1990	PRE	454
Sewerage Mains	42128				Clarenza	B	2015	10,397	10,397	1990	PRE	454
Sewerage Mains	42149				Clarenza	B	2015	910	910	1990	PRE	40
Sewerage Mains	42150				Clarenza	B	2015	17,602	17,602	1990	PRE	769
Sewerage Mains	42151				Clarenza	B	2015	15,249	15,249	1990	PRE	666
Sewerage Mains	42152				Clarenza	B	2015	18,512	18,512	1990	PRE	809
Sewerage Mains	42153				Clarenza	B	2015	26,340	26,340	1990	PRE	1,151
Sewerage Mains	42154				Clarenza	B	2015	21,488	21,488	1990	PRE	939
Sewerage Mains	42155				Clarenza	B	2015	14,325	14,325	1990	PRE	626
Sewerage Mains	42156				Clarenza	B	2015	13,632	13,632	1990	PRE	596
Sewerage Mains	42157				Clarenza	B	2015	4,852	4,852	1990	PRE	212
Sewerage Mains	40694				North Grafton	A	2015	3,350	3,350	1990	PRE	156
Sewerage Mains	42526				North Grafton	A	2015	4,586	4,586	1990	PRE	213

Asset Category	Asset ID	Asset Name	Segment Name	Description	Development Area Name	Development Area	Valuation Year	Gross (2015\$)	Gross (2015\$) - Adjusted	Construction Year	Pre or Post 1996 Asset	Capital Charge (2016\$)
Sewerage Mains	42527				North Grafton	A	2015	4,326	4,326	1990	PRE	201
Sewerage Mains	44910				Yamba	E	2015	6,521	6,521	1990	PRE	451
Sewerage Mains	44911				Yamba	E	2015	4,249	4,249	1990	PRE	294
Sewerage Mains	44912				Yamba	E	2015	12,176	12,176	1990	PRE	842
Sewerage Mains	44913				Yamba	E	2015	46,978	46,978	1990	PRE	3,248
Sewerage Mains	44914				Yamba	E	2015	37,942	37,942	1990	PRE	2,623
Sewerage Mains	44915				Yamba	E	2015	29,987	29,987	1990	PRE	2,073
Sewerage Mains	44916				Yamba	E	2015	19,143	19,143	1990	PRE	1,324
Sewerage Mains	44917				Yamba	E	2015	25,587	25,587	1990	PRE	1,769
Sewerage Mains	44918				Yamba	E	2015	7,890	7,890	1990	PRE	546
Sewerage Mains	44919				Yamba	E	2015	14,112	14,112	1990	PRE	976
Sewerage Mains	44920				Yamba	E	2015	17,814	17,814	1990	PRE	1,232
Sewerage Mains	44921				Yamba	E	2015	2,657	2,657	1990	PRE	184
Sewerage Mains	44922				Yamba	E	2015	37,907	37,907	1990	PRE	2,621
Sewerage Mains	44923				Yamba	E	2015	24,278	24,278	1990	PRE	1,679
Sewerage Mains	44924				Yamba	E	2015	18,322	18,322	1990	PRE	1,267
Sewerage Mains	44926				Yamba	E	2015	45,267	45,267	1990	PRE	3,130
Sewerage Mains	44927				Yamba	E	2015	33,692	33,692	1990	PRE	2,329
Sewerage Mains	44928				Yamba	E	2015	25,250	25,250	1990	PRE	1,746
Sewerage Mains	44929				Yamba	E	2015	3,581	3,581	1990	PRE	248
Sewerage Mains	44930				Yamba	E	2015	11,784	11,784	1990	PRE	815
Sewerage Mains	44931				Yamba	E	2015	6,932	6,932	1990	PRE	479
Sewerage Mains	44932				Yamba	E	2015	10,166	10,166	1990	PRE	703
Sewerage Mains	44933				Yamba	E	2015	2,726	2,726	1990	PRE	188
Sewerage Mains	44934				Yamba	E	2015	10,628	10,628	1990	PRE	735
Sewerage Mains	44935				Yamba	E	2015	3,793	3,793	1990	PRE	262
Sewerage Mains	44936				Yamba	E	2015	3,365	3,365	1990	PRE	233
Sewerage Mains	44937				Yamba	E	2015	13,701	13,701	1990	PRE	947
Sewerage Mains	44938				Yamba	E	2015	2,311	2,311	1990	PRE	160
Sewerage Mains	44939				Yamba	E	2015	48,472	48,472	1990	PRE	3,351
Sewerage Mains	44940				Yamba	E	2015	20,612	20,612	1990	PRE	1,425
Sewerage Mains	44941				Yamba	E	2015	18,764	18,764	1990	PRE	1,297
Sewerage Mains	44942				Yamba	E	2015	16,442	16,442	1990	PRE	1,137
Sewerage Mains	44943				Yamba	E	2015	32,326	32,326	1990	PRE	2,235
Sewerage Mains	44944				Yamba	E	2015	26,403	26,403	1990	PRE	1,825
Sewerage Mains	44945				Yamba	E	2015	20,356	20,356	1990	PRE	1,407
Sewerage Mains	44946				Yamba	E	2015	6,159	6,159	1990	PRE	426
Sewerage Mains	44947				Yamba	E	2015	4,957	4,957	1990	PRE	343
Sewerage Mains	44948				Yamba	E	2015	20,759	20,759	1990	PRE	1,435
Sewerage Mains	44949				Yamba	E	2015	29,473	29,473	1990	PRE	2,038
Sewerage Mains	44950				Yamba	E	2015	15,936	15,936	1990	PRE	1,102
Sewerage Mains	44951				Yamba	E	2015	16,631	16,631	1990	PRE	1,150
Sewerage Mains	44952				Yamba	E	2015	12,473	12,473	1990	PRE	862
Sewerage Mains	44953				Yamba	E	2015	11,320	11,320	1990	PRE	783
Sewerage Mains	44954				Yamba	E	2015	13,216	13,216	1990	PRE	914
Sewerage Mains	44955				Yamba	E	2015	7,925	7,925	1990	PRE	548
Sewerage Mains	44956				Yamba	E	2015	3,743	3,743	1990	PRE	259

Asset Category	Asset ID	Asset Name	Segment Name	Description	Development Area Name	Development Area	Valuation Year	Gross (2015\$)	Gross (2015\$) - Adjusted	Construction Year	Pre or Post 1996 Asset	Capital Charge (2016\$)
Sewerage Mains	44957				Yamba	E	2015	6,816	6,816	1990	PRE	471
Sewerage Mains	44958				Yamba	E	2015	7,751	7,751	1990	PRE	536
Sewerage Mains	44959				Yamba	E	2015	4,621	4,621	1990	PRE	319
Sewerage Mains	44960				Yamba	E	2015	4,298	4,298	1990	PRE	297
Sewerage Mains	44961				Yamba	E	2015	4,298	4,298	1990	PRE	297
Sewerage Mains	44962				Yamba	E	2015	7,394	7,394	1990	PRE	511
Sewerage Mains	44963				Yamba	E	2015	4,136	4,136	1990	PRE	286
Sewerage Mains	44964				Yamba	E	2015	3,581	3,581	1990	PRE	248
Sewerage Mains	44965				Yamba	E	2015	7,994	7,994	1990	PRE	553
Sewerage Mains	44966				Yamba	E	2015	15,231	15,231	1990	PRE	1,053
Sewerage Mains	44967				Yamba	E	2015	13,669	13,669	1990	PRE	945
Sewerage Mains	44968				Yamba	E	2015	1,491	1,491	1990	PRE	103
Sewerage Mains	44969				Yamba	E	2015	5,220	5,220	1990	PRE	361
Sewerage Mains	45024				Yamba	E	2015	404	404	1990	PRE	28
Sewerage Mains	45025				Yamba	E	2015	11,285	11,285	1990	PRE	780
Sewerage Mains	45026				Yamba	E	2015	17,480	17,480	1990	PRE	1,209
Sewerage Mains	45027				Yamba	E	2015	13,080	13,080	1990	PRE	904
Sewerage Mains	45028				Yamba	E	2015	13,201	13,201	1990	PRE	913
Sewerage Mains	45029				Yamba	E	2015	21,211	21,211	1990	PRE	1,466
Sewerage Mains	45030				Yamba	E	2015	18,184	18,184	1990	PRE	1,257
Sewerage Mains	45031				Yamba	E	2015	13,863	13,863	1990	PRE	958
Sewerage Mains	45032				Yamba	E	2015	14,094	14,094	1990	PRE	974
Sewerage Mains	45033				Yamba	E	2015	21,858	21,858	1990	PRE	1,511
Sewerage Mains	45034				Yamba	E	2015	4,020	4,020	1990	PRE	278
Sewerage Mains	45035				Yamba	E	2015	18,209	18,209	1990	PRE	1,259
Sewerage Mains	45036				Yamba	E	2015	7,405	7,405	1990	PRE	512
Sewerage Mains	45037				Yamba	E	2015	1,821	1,821	1990	PRE	126
Sewerage Mains	45038				Yamba	E	2015	17,905	17,905	1990	PRE	1,238
Sewerage Mains	45039				Yamba	E	2015	6,747	6,747	1990	PRE	466
Sewerage Mains	45040				Yamba	E	2015	4,621	4,621	1990	PRE	319
Sewerage Mains	45041				Yamba	E	2015	6,400	6,400	1990	PRE	442
Sewerage Mains	45042				Yamba	E	2015	4,806	4,806	1990	PRE	332
Sewerage Mains	45043				Yamba	E	2015	27,504	27,504	1990	PRE	1,902
Sewerage Mains	45044				Yamba	E	2015	15,538	15,538	1990	PRE	1,074
Sewerage Mains	45045				Yamba	E	2015	18,967	18,967	1990	PRE	1,311
Sewerage Mains	45046				Yamba	E	2015	13,447	13,447	1990	PRE	930
Sewerage Mains	45047				Yamba	E	2015	8,341	8,341	1990	PRE	577
Sewerage Mains	45048				Yamba	E	2015	2,472	2,472	1990	PRE	171
Sewerage Mains	45049				Yamba	E	2015	13,216	13,216	1990	PRE	914
Sewerage Mains	45050				Yamba	E	2015	9,219	9,219	1990	PRE	637
Sewerage Mains	45051				Yamba	E	2015	10,120	10,120	1990	PRE	700
Sewerage Mains	45052				Yamba	E	2015	21,680	21,680	1990	PRE	1,499
Sewerage Mains	45053				Yamba	E	2015	19,817	19,817	1990	PRE	1,370
Sewerage Mains	45054				Yamba	E	2015	15,053	15,053	1990	PRE	1,041
Sewerage Mains	45055				Yamba	E	2015	8,572	8,572	1990	PRE	593
Sewerage Mains	45056				Yamba	E	2015	13,424	13,424	1990	PRE	928
Sewerage Mains	45057				Yamba	E	2015	18,068	18,068	1990	PRE	1,249

Asset Category	Asset ID	Asset Name	Segment Name	Description	Development Area Name	Development Area	Valuation Year	Gross (2015\$)	Gross (2015\$) - Adjusted	Construction Year	Pre or Post 1996 Asset	Capital Charge (2016\$)
Sewerage Mains	45058				Yamba	E	2015	13,794	13,794	1990	PRE	954
Sewerage Mains	45059				Yamba	E	2015	3,766	3,766	1990	PRE	260
Sewerage Mains	45060				Yamba	E	2015	5,015	5,015	1990	PRE	347
Sewerage Mains	45091				Yamba	E	2015	19,544	19,544	1990	PRE	1,351
Sewerage Mains	45092				Yamba	E	2015	13,101	13,101	1990	PRE	906
Sewerage Mains	45093				Yamba	E	2015	13,701	13,701	1990	PRE	947
Sewerage Mains	45094				Yamba	E	2015	16,570	16,570	1990	PRE	1,146
Sewerage Mains	45095				Yamba	E	2015	24,551	24,551	1990	PRE	1,697
Sewerage Mains	45096				Yamba	E	2015	13,869	13,869	1990	PRE	959
Sewerage Mains	45098				Yamba	E	2015	9,011	9,011	1990	PRE	623
Sewerage Mains	45175				Yamba	E	2015	15,966	15,966	1990	PRE	1,104
Sewerage Mains	45176				Yamba	E	2015	4,298	4,298	1990	PRE	297
Sewerage Mains	45179				Yamba	E	2015	3,373	3,373	1990	PRE	233
Sewerage Mains	45180				Yamba	E	2015	4,482	4,482	1990	PRE	310
Sewerage Mains	45185				Yamba	E	2015	14,579	14,579	1990	PRE	1,008
Sewerage Mains	45186				Yamba	E	2015	15,527	15,527	1990	PRE	1,074
Sewerage Mains	45187				Yamba	E	2015	2,311	2,311	1990	PRE	160
Sewerage Mains	45188				Yamba	E	2015	4,159	4,159	1990	PRE	288
Sewerage Mains	45189				Yamba	E	2015	19,362	19,362	1990	PRE	1,339
Sewerage Mains	45190				Yamba	E	2015	9,935	9,935	1990	PRE	687
Sewerage Mains	45191				Yamba	E	2015	6,932	6,932	1990	PRE	479
Sewerage Mains	45192				Yamba	E	2015	4,159	4,159	1990	PRE	288
Sewerage Mains	45196				Yamba	E	2015	5,828	5,828	1990	PRE	403
Sewerage Mains	45197				Yamba	E	2015	8,908	8,908	1990	PRE	616
Sewerage Mains	45205				Yamba	E	2015	13,050	13,050	1990	PRE	902
Sewerage Mains	45253				Yamba	E	2015	4,643	4,643	1990	PRE	321
Sewerage Mains	45254				Yamba	E	2015	11,380	11,380	1990	PRE	787
Sewerage Mains	45255				Yamba	E	2015	4,875	4,875	1990	PRE	337
Sewerage Mains	45256				Yamba	E	2015	28,831	28,831	1990	PRE	1,993
Sewerage Mains	45257				Yamba	E	2015	5,220	5,220	1990	PRE	361
Sewerage Mains	45258				Yamba	E	2015	17,480	17,480	1990	PRE	1,209
Sewerage Mains	45259				Yamba	E	2015	14,476	14,476	1990	PRE	1,001
Sewerage Mains	45260				Yamba	E	2015	28,770	28,770	1990	PRE	1,989
Sewerage Mains	45261				Yamba	E	2015	22,366	22,366	1990	PRE	1,546
Sewerage Mains	45262				Yamba	E	2015	5,707	5,707	1990	PRE	395
Sewerage Mains	45263				Yamba	E	2015	5,014	5,014	1990	PRE	347
Sewerage Mains	45264				Yamba	E	2015	11,737	11,737	1990	PRE	811
Sewerage Mains	45265				Yamba	E	2015	6,007	6,007	1990	PRE	415
Sewerage Mains	45266				Yamba	E	2015	10,536	10,536	1990	PRE	728
Sewerage Mains	45267				Yamba	E	2015	1,317	1,317	1990	PRE	91
Sewerage Mains	45278				Yamba	E	2015	28,336	28,336	1990	PRE	1,959
Sewerage Mains	45280				Yamba	E	2015	7,617	7,617	1990	PRE	527
Sewerage Mains	45284				Yamba	E	2015	6,464	6,464	1990	PRE	447
Sewerage Mains	45285				Yamba	E	2015	10,774	10,774	1990	PRE	745
Sewerage Mains	45307				Yamba	E	2015	7,253	7,253	1990	PRE	501
Sewerage Mains	45308				Yamba	E	2015	5,250	5,250	1990	PRE	363
Sewerage Mains	45309				Yamba	E	2015	6,039	6,039	1990	PRE	418

Asset Category	Asset ID	Asset Name	Segment Name	Description	Development Area Name	Development Area	Valuation Year	Gross (2015\$)	Gross (2015\$) - Adjusted	Construction Year	Pre or Post 1996 Asset	Capital Charge (2016\$)
Sewerage Mains	45328				Yamba	E	2015	9,222	9,222	1990	PRE	638
Sewerage Mains	45343				Yamba	E	2015	8,576	8,576	1990	PRE	593
Sewerage Mains	45344				Yamba	E	2015	20,954	20,954	1990	PRE	1,449
Sewerage Mains	46550				Yamba	E	2015	12,823	12,823	1990	PRE	887
Sewerage Mains	40013				North Grafton	A	2015	22,458	22,458	1990	PRE	1,044
Sewerage Mains	40319				North Grafton	A	2015	11,254	11,254	1990	PRE	523
Sewerage Mains	40320				North Grafton	A	2015	23,311	23,311	1990	PRE	1,084
Sewerage Mains	40321				North Grafton	A	2015	19,423	19,423	1990	PRE	903
Sewerage Mains	40322				North Grafton	A	2015	4,390	4,390	1990	PRE	204
Sewerage Mains	40323				North Grafton	A	2015	36,418	36,418	1990	PRE	1,693
Sewerage Mains	40324				North Grafton	A	2015	6,469	6,469	1990	PRE	301
Sewerage Mains	40328				North Grafton	A	2015	2,215	2,215	1991	PRE	103
Sewerage Mains	40632				North Grafton	A	2015	3,605	3,605	1991	PRE	168
Sewerage Mains	40633				North Grafton	A	2015	4,206	4,206	1991	PRE	196
Sewerage Mains	40665				North Grafton	A	2015	9,560	9,560	1991	PRE	444
Sewerage Mains	40677				North Grafton	A	2015	16,867	16,867	1991	PRE	784
Sewerage Mains	40678				North Grafton	A	2015	17,791	17,791	1991	PRE	827
Sewerage Mains	40689				North Grafton	A	2015	18,087	18,087	1991	PRE	841
Sewerage Mains	40690				North Grafton	A	2015	13,771	13,771	1991	PRE	640
Sewerage Mains	40701				North Grafton	A	2015	10,744	10,744	1991	PRE	499
Sewerage Mains	40731				North Grafton	A	2015	11,836	11,836	1991	PRE	550
Sewerage Mains	40732				North Grafton	A	2015	19,574	19,574	1991	PRE	910
Sewerage Mains	41336				Clarenza	B	2015	5,083	5,083	1991	PRE	222
Sewerage Mains	41337				Clarenza	B	2015	832	832	1991	PRE	36
Sewerage Mains	41918				Clarenza	B	2015	14,556	14,556	1991	PRE	636
Sewerage Mains	41919				Clarenza	B	2015	14,567	14,567	1991	PRE	636
Sewerage Mains	41920				Clarenza	B	2015	18,512	18,512	1991	PRE	809
Sewerage Mains	41921				Clarenza	B	2015	14,264	14,264	1991	PRE	623
Sewerage Mains	41922				Clarenza	B	2015	17,602	17,602	1991	PRE	769
Sewerage Mains	41923				Clarenza	B	2015	8,318	8,318	1991	PRE	363
Sewerage Mains	41924				Clarenza	B	2015	2,542	2,542	1991	PRE	111
Sewerage Mains	41925				Clarenza	B	2015	12,246	12,246	1991	PRE	535
Sewerage Mains	41926				Clarenza	B	2015	9,242	9,242	1991	PRE	404
Sewerage Mains	41927				Clarenza	B	2015	9,242	9,242	1991	PRE	404
Sewerage Mains	41928				Clarenza	B	2015	10,628	10,628	1991	PRE	464
Sewerage Mains	41929				Clarenza	B	2015	13,170	13,170	1991	PRE	575
Sewerage Mains	41930				Clarenza	B	2015	10,859	10,859	1991	PRE	474
Sewerage Mains	41931				Clarenza	B	2015	17,098	17,098	1991	PRE	747
Sewerage Mains	41932				Clarenza	B	2015	6,932	6,932	1991	PRE	303
Sewerage Mains	41933				Clarenza	B	2015	7,163	7,163	1991	PRE	313
Sewerage Mains	41934				Clarenza	B	2015	16,867	16,867	1991	PRE	737
Sewerage Mains	41935				Clarenza	B	2015	11,553	11,553	1991	PRE	505
Sewerage Mains	41936				Clarenza	B	2015	18,484	18,484	1991	PRE	808
Sewerage Mains	41937				Clarenza	B	2015	9,242	9,242	1991	PRE	404
Sewerage Mains	41938				Clarenza	B	2015	8,780	8,780	1991	PRE	384
Sewerage Mains	41939				Clarenza	B	2015	15,018	15,018	1991	PRE	656
Sewerage Mains	41940				Clarenza	B	2015	18,253	18,253	1991	PRE	797

Asset Category	Asset ID	Asset Name	Segment Name	Description	Development Area Name	Development Area	Valuation Year	Gross (2015\$)	Gross (2015\$) - Adjusted	Construction Year	Pre or Post 1996 Asset	Capital Charge (2016\$)
Sewerage Mains	41941				Clarenza	B	2015	6,238	6,238	1991	PRE	273
Sewerage Mains	41942				Clarenza	B	2015	7,856	7,856	1991	PRE	343
Sewerage Mains	41943				Clarenza	B	2015	9,242	9,242	1991	PRE	404
Sewerage Mains	41944				Clarenza	B	2015	924	924	1991	PRE	40
Sewerage Mains	42091				Clarenza	B	2015	578	578	1991	PRE	25
Sewerage Mains	1120				North Grafton	A	2015	8,780	8,780	1991	PRE	408
Sewerage Mains	1119				North Grafton	A	2015	17,860	17,860	1991	PRE	830
Sewerage Mains	1118				North Grafton	A	2015	17,329	17,329	1991	PRE	806
Sewerage Mains	1117				North Grafton	A	2015	17,329	17,329	1991	PRE	806
Sewerage Mains	1116				North Grafton	A	2015	17,329	17,329	1991	PRE	806
Sewerage Mains	1115				North Grafton	A	2015	12,708	12,708	1991	PRE	591
Sewerage Mains	1126				North Grafton	A	2015	6,932	6,932	1991	PRE	322
Sewerage Mains	1127				North Grafton	A	2015	5,311	5,311	1991	PRE	247
Sewerage Mains	1128				North Grafton	A	2015	10,865	10,865	1991	PRE	505
Sewerage Mains	1129				North Grafton	A	2015	8,225	8,225	1991	PRE	382
Sewerage Mains	1125				North Grafton	A	2015	8,664	8,664	1991	PRE	403
Sewerage Mains	1124				North Grafton	A	2015	8,087	8,087	1991	PRE	376
Sewerage Mains	1123				North Grafton	A	2015	13,863	13,863	1991	PRE	644
Sewerage Mains	1122				North Grafton	A	2015	18,421	18,421	1991	PRE	856
Sewerage Mains	1121				North Grafton	A	2015	19,249	19,249	1991	PRE	895
Sewerage Mains	1113				North Grafton	A	2015	31,798	31,798	1991	PRE	1,478
Sewerage Mains	1114				North Grafton	A	2015	24,062	24,062	1991	PRE	1,118
Sewerage Mains	1223				North Grafton	A	2015	3,920	3,920	1991	PRE	182
Sewerage Mains	40670				North Grafton	A	2015	17,814	17,814	1992	PRE	828
Sewerage Mains	40671				North Grafton	A	2015	12,200	12,200	1992	PRE	567
Sewerage Mains	40672				North Grafton	A	2015	17,541	17,541	1992	PRE	815
Sewerage Mains	40673				North Grafton	A	2015	19,316	19,316	1992	PRE	898
Sewerage Mains	40674				North Grafton	A	2015	25,371	25,371	1992	PRE	1,179
Sewerage Mains	40675				North Grafton	A	2015	18,484	18,484	1992	PRE	859
Sewerage Mains	40676				North Grafton	A	2015	9,704	9,704	1992	PRE	451
Sewerage Mains	40734				North Grafton	A	2015	11,160	11,160	1992	PRE	519
Sewerage Mains	40802				Clarenza	B	2015	14,871	14,871	1992	PRE	650
Sewerage Mains	41964				Clarenza	B	2015	17,329	17,329	1992	PRE	757
Sewerage Mains	41965				Clarenza	B	2015	3,697	3,697	1992	PRE	162
Sewerage Mains	41966				Clarenza	B	2015	5,766	5,766	1992	PRE	252
Sewerage Mains	41967				Clarenza	B	2015	1,502	1,502	1992	PRE	66
Sewerage Mains	41968				Clarenza	B	2015	462	462	1992	PRE	20
Sewerage Mains	41969				Clarenza	B	2015	4,621	4,621	1992	PRE	202
Sewerage Mains	41970				Clarenza	B	2015	6,701	6,701	1992	PRE	293
Sewerage Mains	41971				Clarenza	B	2015	5,083	5,083	1992	PRE	222
Sewerage Mains	41972				Clarenza	B	2015	3,928	3,928	1992	PRE	172
Sewerage Mains	41973				Clarenza	B	2015	6,932	6,932	1992	PRE	303
Sewerage Mains	42103				Clarenza	B	2015	12,708	12,708	1992	PRE	555
Sewerage Mains	44381				Yamba	E	2015	41,490	41,490	1992	PRE	2,869
Sewerage Mains	44382				Yamba	E	2015	20,871	20,871	1992	PRE	1,443
Sewerage Mains	44383				Yamba	E	2015	19,010	19,010	1992	PRE	1,314
Sewerage Mains	44384				Yamba	E	2015	12,822	12,822	1992	PRE	886

Asset Category	Asset ID	Asset Name	Segment Name	Description	Development Area Name	Development Area	Valuation Year	Gross (2015\$)	Gross (2015\$) - Adjusted	Construction Year	Pre or Post 1996 Asset	Capital Charge (2016\$)
Sewerage Mains	44385				Yamba	E	2015	15,653	15,653	1992	PRE	1,082
Sewerage Mains	44386				Yamba	E	2015	32,438	32,438	1992	PRE	2,243
Sewerage Mains	44387				Yamba	E	2015	34,056	34,056	1992	PRE	2,355
Sewerage Mains	44388				Yamba	E	2015	12,291	12,291	1992	PRE	850
Sewerage Mains	44389				Yamba	E	2015	2,311	2,311	1992	PRE	160
Sewerage Mains	44391				Yamba	E	2015	18,209	18,209	1992	PRE	1,259
Sewerage Mains	44392				Yamba	E	2015	4,506	4,506	1992	PRE	312
Sewerage Mains	44393				Yamba	E	2015	18,715	18,715	1992	PRE	1,294
Sewerage Mains	44556				Yamba	E	2015	29,324	29,324	1992	PRE	2,027
Sewerage Mains	44561				Yamba	E	2015	4,067	4,067	1992	PRE	281
Sewerage Mains	44390				Yamba	E	2015	15,018	15,018	1992	PRE	1,038
Sewerage Mains	39288				North Grafton	A	2015	31,437	31,437	1993	PRE	1,461
Sewerage Mains	40117				North Grafton	A	2015	5,661	5,661	1993	PRE	263
Sewerage Mains	40681				North Grafton	A	2015	12,594	12,594	1993	PRE	585
Sewerage Mains	40682				North Grafton	A	2015	10,925	10,925	1993	PRE	508
Sewerage Mains	40683				North Grafton	A	2015	18,209	18,209	1993	PRE	846
Sewerage Mains	40684				North Grafton	A	2015	3,027	3,027	1993	PRE	141
Sewerage Mains	40685				North Grafton	A	2015	19,544	19,544	1993	PRE	908
Sewerage Mains	40686				North Grafton	A	2015	8,942	8,942	1993	PRE	416
Sewerage Mains	40687				North Grafton	A	2015	20,940	20,940	1993	PRE	973
Sewerage Mains	40688				North Grafton	A	2015	2,334	2,334	1993	PRE	108
Sewerage Mains	45120				Yamba	E	2015	4,136	4,136	1993	PRE	286
Sewerage Mains	45121				Yamba	E	2015	26,076	26,076	1993	PRE	1,803
Sewerage Mains	45122				Yamba	E	2015	7,240	7,240	1993	PRE	501
Sewerage Mains	45129				Yamba	E	2015	16,873	16,873	1993	PRE	1,167
Sewerage Mains	45130				Yamba	E	2015	6,932	6,932	1993	PRE	479
Sewerage Mains	45131				Yamba	E	2015	2,614	2,614	1993	PRE	181
Sewerage Mains	45138				Yamba	E	2015	7,300	7,300	1993	PRE	505
Sewerage Mains	45139				Yamba	E	2015	9,681	9,681	1993	PRE	669
Sewerage Mains	45140				Yamba	E	2015	14,420	14,420	1993	PRE	997
Sewerage Mains	45141				Yamba	E	2015	2,033	2,033	1993	PRE	141
Sewerage Mains	45142				Yamba	E	2015	7,192	7,192	1993	PRE	497
Sewerage Mains	45143				Yamba	E	2015	16,236	16,236	1993	PRE	1,123
Sewerage Mains	45144				Yamba	E	2015	9,057	9,057	1993	PRE	626
Sewerage Mains	45145				Yamba	E	2015	2,726	2,726	1993	PRE	188
Sewerage Mains	45146				Yamba	E	2015	2,657	2,657	1993	PRE	184
Sewerage Mains	45351				Yamba	E	2015	24,885	24,885	1993	PRE	1,721
Sewerage Mains	45352				Yamba	E	2015	18,642	18,642	1993	PRE	1,289
Sewerage Mains	45353				Yamba	E	2015	18,642	18,642	1993	PRE	1,289
Sewerage Mains	46843				North Grafton	A	2015	18,392	18,392	1993	PRE	855
Sewerage Mains	46844				North Grafton	A	2015	17,283	17,283	1993	PRE	803
Sewerage Mains	46845				North Grafton	A	2015	8,249	8,249	1993	PRE	383
Sewerage Mains	40949				Clarenza	B	2015	31,244	31,244	1993	PRE	1,365
Sewerage Mains	40950				Clarenza	B	2015	19,828	19,828	1993	PRE	866
Sewerage Mains	40951				Clarenza	B	2015	12,918	12,918	1993	PRE	564
Sewerage Mains	42234				Clarenza	B	2015	3,305	3,305	1993	PRE	144
Sewerage Mains	42235				Clarenza	B	2015	1,502	1,502	1993	PRE	66

Asset Category	Asset ID	Asset Name	Segment Name	Description	Development Area Name	Development Area	Valuation Year	Gross (2015\$)	Gross (2015\$) - Adjusted	Construction Year	Pre or Post 1996 Asset	Capital Charge (2016\$)
Sewerage Mains	1131				North Grafton	A	2015	7,133	7,133	1993	PRE	332
Sewerage Mains	1132				North Grafton	A	2015	4,644	4,644	1993	PRE	216
Sewerage Mains	1133				North Grafton	A	2015	5,721	5,721	1993	PRE	266
Sewerage Mains	1218				North Grafton	A	2015	3,975	3,975	1993	PRE	185
Sewerage Mains	40564				North Grafton	A	2015	6,701	6,701	1994	PRE	311
Sewerage Mains	40622				North Grafton	A	2015	12,253	12,253	1994	PRE	570
Sewerage Mains	40623				North Grafton	A	2015	30,162	30,162	1994	PRE	1,402
Sewerage Mains	40624				North Grafton	A	2015	17,909	17,909	1994	PRE	832
Sewerage Mains	40702				North Grafton	A	2015	6,488	6,488	1994	PRE	302
Sewerage Mains	40703				North Grafton	A	2015	6,488	6,488	1994	PRE	302
Sewerage Mains	40704				North Grafton	A	2015	6,194	6,194	1994	PRE	288
Sewerage Mains	40705				North Grafton	A	2015	4,793	4,793	1994	PRE	223
Sewerage Mains	40706				North Grafton	A	2015	24,491	24,491	1994	PRE	1,138
Sewerage Mains	40707				North Grafton	A	2015	5,402	5,402	1994	PRE	251
Sewerage Mains	40708				North Grafton	A	2015	10,834	10,834	1994	PRE	504
Sewerage Mains	40709				North Grafton	A	2015	1,093	1,093	1994	PRE	51
Sewerage Mains	40711				North Grafton	A	2015	19,996	19,996	1994	PRE	929
Sewerage Mains	40712				North Grafton	A	2015	14,069	14,069	1994	PRE	654
Sewerage Mains	40713				North Grafton	A	2015	2,033	2,033	1994	PRE	94
Sewerage Mains	40714				North Grafton	A	2015	25,323	25,323	1994	PRE	1,177
Sewerage Mains	40715				North Grafton	A	2015	22,196	22,196	1994	PRE	1,032
Sewerage Mains	40716				North Grafton	A	2015	4,020	4,020	1994	PRE	187
Sewerage Mains	40717				North Grafton	A	2015	20,337	20,337	1994	PRE	945
Sewerage Mains	40718				North Grafton	A	2015	8,202	8,202	1994	PRE	381
Sewerage Mains	40719				North Grafton	A	2015	17,162	17,162	1994	PRE	798
Sewerage Mains	40720				North Grafton	A	2015	6,270	6,270	1994	PRE	291
Sewerage Mains	40721				North Grafton	A	2015	3,939	3,939	1994	PRE	183
Sewerage Mains	40722				North Grafton	A	2015	31,430	31,430	1994	PRE	1,461
Sewerage Mains	40723				North Grafton	A	2015	26,205	26,205	1994	PRE	1,218
Sewerage Mains	40725				North Grafton	A	2015	3,899	3,899	1994	PRE	181
Sewerage Mains	40726				North Grafton	A	2015	2,944	2,944	1994	PRE	137
Sewerage Mains	40727				North Grafton	A	2015	7,636	7,636	1994	PRE	355
Sewerage Mains	40728				North Grafton	A	2015	22,668	22,668	1994	PRE	1,054
Sewerage Mains	40729				North Grafton	A	2015	3,899	3,899	1994	PRE	181
Sewerage Mains	41845				Clarenza	B	2015	2,311	2,311	1994	PRE	101
Sewerage Mains	41846				Clarenza	B	2015	2,311	2,311	1994	PRE	101
Sewerage Mains	41847				Clarenza	B	2015	9,011	9,011	1994	PRE	394
Sewerage Mains	41848				Clarenza	B	2015	12,015	12,015	1994	PRE	525
Sewerage Mains	41849				Clarenza	B	2015	4,171	4,171	1994	PRE	182
Sewerage Mains	41850				Clarenza	B	2015	13,170	13,170	1994	PRE	575
Sewerage Mains	41851				Clarenza	B	2015	1,617	1,617	1994	PRE	71
Sewerage Mains	41852				Clarenza	B	2015	2,010	2,010	1994	PRE	88
Sewerage Mains	41853				Clarenza	B	2015	28,874	28,874	1994	PRE	1,261
Sewerage Mains	41855				Clarenza	B	2015	18,209	18,209	1994	PRE	796
Sewerage Mains	41856				Clarenza	B	2015	23,975	23,975	1994	PRE	1,047
Sewerage Mains	41857				Clarenza	B	2015	18,484	18,484	1994	PRE	808
Sewerage Mains	41858				Clarenza	B	2015	18,484	18,484	1994	PRE	808

Asset Category	Asset ID	Asset Name	Segment Name	Description	Development Area Name	Development Area	Valuation Year	Gross (2015\$)	Gross (2015\$) - Adjusted	Construction Year	Pre or Post 1996 Asset	Capital Charge (2016\$)
Sewerage Mains	41859				Clarenza	B	2015	10,908	10,908	1994	PRE	477
Sewerage Mains	41860				Clarenza	B	2015	24,278	24,278	1994	PRE	1,061
Sewerage Mains	41861				Clarenza	B	2015	19,119	19,119	1994	PRE	835
Sewerage Mains	41862				Clarenza	B	2015	9,473	9,473	1994	PRE	414
Sewerage Mains	41863				Clarenza	B	2015	23,368	23,368	1994	PRE	1,021
Sewerage Mains	41864				Clarenza	B	2015	2,773	2,773	1994	PRE	121
Sewerage Mains	41865				Clarenza	B	2015	9,473	9,473	1994	PRE	414
Sewerage Mains	41866				Clarenza	B	2015	12,746	12,746	1994	PRE	557
Sewerage Mains	41867				Clarenza	B	2015	22,761	22,761	1994	PRE	994
Sewerage Mains	46712				Clarenza	B	2015	7,284	7,284	1994	PRE	318
Sewerage Mains	41896				Clarenza	B	2015	17,238	17,238	1994	PRE	753
Sewerage Mains	41899				Clarenza	B	2015	16,636	16,636	1994	PRE	727
Sewerage Mains	41900				Clarenza	B	2015	10,397	10,397	1994	PRE	454
Sewerage Mains	41901				Clarenza	B	2015	12,477	12,477	1994	PRE	545
Sewerage Mains	41902				Clarenza	B	2015	4,621	4,621	1994	PRE	202
Sewerage Mains	41915				Clarenza	B	2015	9,011	9,011	1994	PRE	394
Sewerage Mains	41916				Clarenza	B	2015	19,639	19,639	1994	PRE	858
Sewerage Mains	41917				Clarenza	B	2015	3,004	3,004	1994	PRE	131
Sewerage Mains	41957				Clarenza	B	2015	3,235	3,235	1994	PRE	141
Sewerage Mains	41961				Clarenza	B	2015	4,852	4,852	1994	PRE	212
Sewerage Mains	42087				Clarenza	B	2015	4,159	4,159	1994	PRE	182
Sewerage Mains	42161				Clarenza	B	2015	21,547	21,547	1994	PRE	941
Sewerage Mains	44101				North Grafton	A	2015	1,294	1,294	1994	PRE	60
Sewerage Mains	45368				Yamba	E	2015	850	850	1994	PRE	59
Sewerage Mains	45369				Yamba	E	2015	8,772	8,772	1994	PRE	606
Sewerage Mains	45370				Yamba	E	2015	6,238	6,238	1994	PRE	431
Sewerage Mains	45371				Yamba	E	2015	3,520	3,520	1994	PRE	243
Sewerage Mains	45372				Yamba	E	2015	15,688	15,688	1994	PRE	1,085
Sewerage Mains	45373				Yamba	E	2015	17,883	17,883	1994	PRE	1,236
Sewerage Mains	45374				Yamba	E	2015	4,522	4,522	1994	PRE	313
Sewerage Mains	45375				Yamba	E	2015	16,722	16,722	1994	PRE	1,156
Sewerage Mains	45376				Yamba	E	2015	4,459	4,459	1994	PRE	308
Sewerage Mains	45377				Yamba	E	2015	9,924	9,924	1994	PRE	686
Sewerage Mains	45378				Yamba	E	2015	18,330	18,330	1994	PRE	1,267
Sewerage Mains	45379				Yamba	E	2015	15,324	15,324	1994	PRE	1,059
Sewerage Mains	45380				Yamba	E	2015	13,385	13,385	1994	PRE	925
Sewerage Mains	45381				Yamba	E	2015	24,755	24,755	1994	PRE	1,712
Sewerage Mains	45382				Yamba	E	2015	10,695	10,695	1994	PRE	739
Sewerage Mains	45383				Yamba	E	2015	20,519	20,519	1994	PRE	1,419
Sewerage Mains	45384				Yamba	E	2015	18,045	18,045	1994	PRE	1,248
Sewerage Mains	45385				Yamba	E	2015	19,118	19,118	1994	PRE	1,322
Sewerage Mains	45386				Yamba	E	2015	10,690	10,690	1994	PRE	739
Sewerage Mains	45387				Yamba	E	2015	21,315	21,315	1994	PRE	1,474
Sewerage Mains	45388				Yamba	E	2015	9,011	9,011	1994	PRE	623
Sewerage Mains	45389				Yamba	E	2015	5,152	5,152	1994	PRE	356
Sewerage Mains	45390				Yamba	E	2015	44,573	44,573	1994	PRE	3,082
Sewerage Mains	45391				Yamba	E	2015	8,387	8,387	1994	PRE	580

Asset Category	Asset ID	Asset Name	Segment Name	Description	Development Area Name	Development Area	Valuation Year	Gross (2015\$)	Gross (2015\$) - Adjusted	Construction Year	Pre or Post 1996 Asset	Capital Charge (2016\$)
Sewerage Mains	45392				Yamba	E	2015	55,004	55,004	1994	PRE	3,803
Sewerage Mains	45393				Yamba	E	2015	8,734	8,734	1994	PRE	604
Sewerage Mains	45394				Yamba	E	2015	7,786	7,786	1994	PRE	538
Sewerage Mains	45395				Yamba	E	2015	7,740	7,740	1994	PRE	535
Sewerage Mains	45396				Yamba	E	2015	6,955	6,955	1994	PRE	481
Sewerage Mains	45397				Yamba	E	2015	10,836	10,836	1994	PRE	749
Sewerage Mains	45398				Yamba	E	2015	7,278	7,278	1994	PRE	503
Sewerage Mains	45399				Yamba	E	2015	11,411	11,411	1994	PRE	789
Sewerage Mains	45400				Yamba	E	2015	3,674	3,674	1994	PRE	254
Sewerage Mains	45401				Yamba	E	2015	19,547	19,547	1994	PRE	1,351
Sewerage Mains	45402				Yamba	E	2015	16,867	16,867	1994	PRE	1,166
Sewerage Mains	45403				Yamba	E	2015	11,055	11,055	1994	PRE	764
Sewerage Mains	45404				Yamba	E	2015	7,532	7,532	1994	PRE	521
Sewerage Mains	45405				Yamba	E	2015	5,430	5,430	1994	PRE	375
Sewerage Mains	45406				Yamba	E	2015	2,888	2,888	1994	PRE	200
Sewerage Mains	45409				Yamba	E	2015	8,352	8,352	1994	PRE	577
Sewerage Mains	45410				Yamba	E	2015	18,791	18,791	1994	PRE	1,299
Sewerage Mains	45411				Yamba	E	2015	20,208	20,208	1994	PRE	1,397
Sewerage Mains	45412				Yamba	E	2015	9,704	9,704	1994	PRE	671
Sewerage Mains	45413				Yamba	E	2015	4,807	4,807	1994	PRE	332
Sewerage Mains	45414				Yamba	E	2015	4,807	4,807	1994	PRE	332
Sewerage Mains	45415				Yamba	E	2015	5,197	5,197	1994	PRE	359
Sewerage Mains	45416				Yamba	E	2015	16,343	16,343	1994	PRE	1,130
Sewerage Mains	45418				Yamba	E	2015	17,815	17,815	1994	PRE	1,232
Sewerage Mains	45419				Yamba	E	2015	11,386	11,386	1994	PRE	787
Sewerage Mains	45420				Yamba	E	2015	16,763	16,763	1994	PRE	1,159
Sewerage Mains	45421				Yamba	E	2015	7,510	7,510	1994	PRE	519
Sewerage Mains	45422				Yamba	E	2015	18,694	18,694	1994	PRE	1,292
Sewerage Mains	45423				Yamba	E	2015	18,816	18,816	1994	PRE	1,301
Sewerage Mains	45424				Yamba	E	2015	14,903	14,903	1994	PRE	1,030
Sewerage Mains	45425				Yamba	E	2015	10,166	10,166	1994	PRE	703
Sewerage Mains	45426				Yamba	E	2015	21,950	21,950	1994	PRE	1,518
Sewerage Mains	45427				Yamba	E	2015	10,929	10,929	1994	PRE	756
Sewerage Mains	45428				Yamba	E	2015	11,784	11,784	1994	PRE	815
Sewerage Mains	45429				Yamba	E	2015	17,814	17,814	1994	PRE	1,232
Sewerage Mains	45430				Yamba	E	2015	9,704	9,704	1994	PRE	671
Sewerage Mains	45431				Yamba	E	2015	7,601	7,601	1994	PRE	526
Sewerage Mains	45432				Yamba	E	2015	5,730	5,730	1994	PRE	396
Sewerage Mains	45433				Yamba	E	2015	1,578	1,578	1994	PRE	109
Sewerage Mains	45434				Yamba	E	2015	18,253	18,253	1994	PRE	1,262
Sewerage Mains	45435				Yamba	E	2015	17,537	17,537	1994	PRE	1,212
Sewerage Mains	46689				Yamba	E	2015	15,088	15,088	1994	PRE	1,043
Sewerage Mains	45437				Yamba	E	2015	51,648	51,648	1994	PRE	3,571
Sewerage Mains	45438				Yamba	E	2015	23,105	23,105	1994	PRE	1,597
Sewerage Mains	45439				Yamba	E	2015	4,825	4,825	1994	PRE	334
Sewerage Mains	45440				Yamba	E	2015	33,170	33,170	1994	PRE	2,293
Sewerage Mains	45441				Yamba	E	2015	8,376	8,376	1994	PRE	579

Asset Category	Asset ID	Asset Name	Segment Name	Description	Development Area Name	Development Area	Valuation Year	Gross (2015\$)	Gross (2015\$) - Adjusted	Construction Year	Pre or Post 1996 Asset	Capital Charge (2016\$)
Sewerage Mains	45442				Yamba	E	2015	27,934	27,934	1994	PRE	1,931
Sewerage Mains	45443				Yamba	E	2015	12,431	12,431	1994	PRE	859
Sewerage Mains	45444				Yamba	E	2015	44,928	44,928	1994	PRE	3,106
Sewerage Mains	45445				Yamba	E	2015	24,410	24,410	1994	PRE	1,688
Sewerage Mains	45446				Yamba	E	2015	29,312	29,312	1994	PRE	2,027
Sewerage Mains	45447				Yamba	E	2015	13,390	13,390	1994	PRE	926
Sewerage Mains	45448				Yamba	E	2015	12,403	12,403	1994	PRE	858
Sewerage Mains	45449				Yamba	E	2015	12,727	12,727	1994	PRE	880
Sewerage Mains	45450				Yamba	E	2015	12,646	12,646	1994	PRE	874
Sewerage Mains	45451				Yamba	E	2015	18,982	18,982	1994	PRE	1,312
Sewerage Mains	45452				Yamba	E	2015	6,562	6,562	1994	PRE	454
Sewerage Mains	45453				Yamba	E	2015	3,189	3,189	1994	PRE	220
Sewerage Mains	45455				Yamba	E	2015	4,760	4,760	1994	PRE	329
Sewerage Mains	45456				Yamba	E	2015	25,887	25,887	1994	PRE	1,790
Sewerage Mains	45457				Yamba	E	2015	18,421	18,421	1994	PRE	1,274
Sewerage Mains	45458				Yamba	E	2015	16,449	16,449	1994	PRE	1,137
Sewerage Mains	45459				Yamba	E	2015	17,699	17,699	1994	PRE	1,224
Sewerage Mains	45460				Yamba	E	2015	4,298	4,298	1994	PRE	297
Sewerage Mains	45461				Yamba	E	2015	3,221	3,221	1994	PRE	223
Sewerage Mains	45462				Yamba	E	2015	47,840	47,840	1994	PRE	3,308
Sewerage Mains	45463				Yamba	E	2015	42,639	42,639	1994	PRE	2,948
Sewerage Mains	45464				Yamba	E	2015	51,593	51,593	1994	PRE	3,567
Sewerage Mains	45465				Yamba	E	2015	52,467	52,467	1994	PRE	3,627
Sewerage Mains	45466				Yamba	E	2015	20,121	20,121	1994	PRE	1,391
Sewerage Mains	45467				Yamba	E	2015	24,246	24,246	1994	PRE	1,676
Sewerage Mains	45468				Yamba	E	2015	3,512	3,512	1994	PRE	243
Sewerage Mains	45469				Yamba	E	2015	3,743	3,743	1994	PRE	259
Sewerage Mains	45470				Yamba	E	2015	13,054	13,054	1994	PRE	903
Sewerage Mains	45471				Yamba	E	2015	4,390	4,390	1994	PRE	304
Sewerage Mains	45472				Yamba	E	2015	8,664	8,664	1994	PRE	599
Sewerage Mains	45473				Yamba	E	2015	3,835	3,835	1994	PRE	265
Sewerage Mains	45474				Yamba	E	2015	13,424	13,424	1994	PRE	928
Sewerage Mains	45475				Yamba	E	2015	11,368	11,368	1994	PRE	786
Sewerage Mains	45476				Yamba	E	2015	13,124	13,124	1994	PRE	907
Sewerage Mains	45477				Yamba	E	2015	2,703	2,703	1994	PRE	187
Sewerage Mains	45478				Yamba	E	2015	13,840	13,840	1994	PRE	957
Sewerage Mains	45479				Yamba	E	2015	16,813	16,813	1994	PRE	1,162
Sewerage Mains	45480				Yamba	E	2015	10,351	10,351	1994	PRE	716
Sewerage Mains	45481				Yamba	E	2015	8,780	8,780	1994	PRE	607
Sewerage Mains	45482				Yamba	E	2015	13,566	13,566	1994	PRE	938
Sewerage Mains	45483				Yamba	E	2015	7,440	7,440	1994	PRE	514
Sewerage Mains	45484				Yamba	E	2015	4,436	4,436	1994	PRE	307
Sewerage Mains	45485				Yamba	E	2015	3,350	3,350	1994	PRE	232
Sewerage Mains	45486				Yamba	E	2015	6,793	6,793	1994	PRE	470
Sewerage Mains	45487				Yamba	E	2015	4,067	4,067	1994	PRE	281
Sewerage Mains	45488				Yamba	E	2015	3,789	3,789	1994	PRE	262
Sewerage Mains	45489				Yamba	E	2015	6,919	6,919	1994	PRE	478

Asset Category	Asset ID	Asset Name	Segment Name	Description	Development Area Name	Development Area	Valuation Year	Gross (2015\$)	Gross (2015\$) - Adjusted	Construction Year	Pre or Post 1996 Asset	Capital Charge (2016\$)
Sewerage Mains	45490				Yamba	E	2015	21,031	21,031	1994	PRE	1,454
Sewerage Mains	45491				Yamba	E	2015	7,394	7,394	1994	PRE	511
Sewerage Mains	45492				Yamba	E	2015	11,055	11,055	1994	PRE	764
Sewerage Mains	45494				Yamba	E	2015	32,193	32,193	1994	PRE	2,226
Sewerage Mains	45495				Yamba	E	2015	6,843	6,843	1994	PRE	473
Sewerage Mains	45496				Yamba	E	2015	2,542	2,542	1994	PRE	176
Sewerage Mains	45497				Yamba	E	2015	10,744	10,744	1994	PRE	743
Sewerage Mains	45498				Yamba	E	2015	4,921	4,921	1994	PRE	340
Sewerage Mains	45499				Yamba	E	2015	10,628	10,628	1994	PRE	735
Sewerage Mains	45500				Yamba	E	2015	10,758	10,758	1994	PRE	744
Sewerage Mains	45501				Yamba	E	2015	17,791	17,791	1994	PRE	1,230
Sewerage Mains	45502				Yamba	E	2015	855	855	1994	PRE	59
Sewerage Mains	45503				Yamba	E	2015	1,839	1,839	1994	PRE	127
Sewerage Mains	45504				Yamba	E	2015	17,090	17,090	1994	PRE	1,182
Sewerage Mains	46775				Clarenza	B	2015	6,255	6,255	1994	PRE	273
Sewerage Mains	41135				Clarenza	B	2015	2,311	2,311	1994	PRE	101
Sewerage Mains	41394				Clarenza	B	2015	20,333	20,333	1994	PRE	888
Sewerage Mains	41396				Clarenza	B	2015	2,887	2,887	1994	PRE	126
Sewerage Mains	41398				Clarenza	B	2015	10,859	10,859	1994	PRE	474
Sewerage Mains	41399				Clarenza	B	2015	3,466	3,466	1994	PRE	151
Sewerage Mains	41417				Clarenza	B	2015	13,401	13,401	1994	PRE	585
Sewerage Mains	41421				Clarenza	B	2015	4,852	4,852	1994	PRE	212
Sewerage Mains	39878				North Grafton	A	2015	8,299	8,299	1995	PRE	386
Sewerage Mains	40468				North Grafton	A	2015	18,512	18,512	1995	PRE	860
Sewerage Mains	40477				North Grafton	A	2015	16,509	16,509	1995	PRE	767
Sewerage Mains	40479				North Grafton	A	2015	19,423	19,423	1995	PRE	903
Sewerage Mains	40480				North Grafton	A	2015	15,933	15,933	1995	PRE	741
Sewerage Mains	40496				North Grafton	A	2015	3,581	3,581	1995	PRE	166
Sewerage Mains	40534				North Grafton	A	2015	5,083	5,083	1995	PRE	236
Sewerage Mains	40599				North Grafton	A	2015	12,625	12,625	1995	PRE	587
Sewerage Mains	40600				North Grafton	A	2015	4,737	4,737	1995	PRE	220
Sewerage Mains	40601				North Grafton	A	2015	693	693	1995	PRE	32
Sewerage Mains	40602				North Grafton	A	2015	29,839	29,839	1995	PRE	1,387
Sewerage Mains	40603				North Grafton	A	2015	1,608	1,608	1995	PRE	75
Sewerage Mains	40604				North Grafton	A	2015	2,103	2,103	1995	PRE	98
Sewerage Mains	40605				North Grafton	A	2015	8,387	8,387	1995	PRE	390
Sewerage Mains	40606				North Grafton	A	2015	17,541	17,541	1995	PRE	815
Sewerage Mains	40607				North Grafton	A	2015	20,606	20,606	1995	PRE	958
Sewerage Mains	40608				North Grafton	A	2015	21,851	21,851	1995	PRE	1,016
Sewerage Mains	40609				North Grafton	A	2015	10,328	10,328	1995	PRE	480
Sewerage Mains	40610				North Grafton	A	2015	16,297	16,297	1995	PRE	758
Sewerage Mains	40611				North Grafton	A	2015	1,040	1,040	1995	PRE	48
Sewerage Mains	40612				North Grafton	A	2015	4,067	4,067	1995	PRE	189
Sewerage Mains	40613				North Grafton	A	2015	18,603	18,603	1995	PRE	865
Sewerage Mains	40614				North Grafton	A	2015	4,856	4,856	1995	PRE	226
Sewerage Mains	40615				North Grafton	A	2015	4,552	4,552	1995	PRE	212
Sewerage Mains	40616				North Grafton	A	2015	6,828	6,828	1995	PRE	317

Asset Category	Asset ID	Asset Name	Segment Name	Description	Development Area Name	Development Area	Valuation Year	Gross (2015\$)	Gross (2015\$) - Adjusted	Construction Year	Pre or Post 1996 Asset	Capital Charge (2016\$)
Sewerage Mains	40617				North Grafton	A	2015	20,923	20,923	1995	PRE	973
Sewerage Mains	40618				North Grafton	A	2015	6,020	6,020	1995	PRE	280
Sewerage Mains	40626				North Grafton	A	2015	13,667	13,667	1995	PRE	635
Sewerage Mains	40627				North Grafton	A	2015	12,725	12,725	1995	PRE	591
Sewerage Mains	40628				North Grafton	A	2015	2,828	2,828	1995	PRE	131
Sewerage Mains	40666				North Grafton	A	2015	10,015	10,015	1995	PRE	466
Sewerage Mains	40667				North Grafton	A	2015	6,238	6,238	1995	PRE	290
Sewerage Mains	40696				North Grafton	A	2015	5,066	5,066	1995	PRE	235
Sewerage Mains	40697				North Grafton	A	2015	10,652	10,652	1995	PRE	495
Sewerage Mains	41903				Clarenza	B	2015	3,928	3,928	1995	PRE	172
Sewerage Mains	41904				Clarenza	B	2015	13,401	13,401	1995	PRE	585
Sewerage Mains	41945				Clarenza	B	2015	14,567	14,567	1995	PRE	636
Sewerage Mains	41946				Clarenza	B	2015	14,325	14,325	1995	PRE	626
Sewerage Mains	41947				Clarenza	B	2015	4,852	4,852	1995	PRE	212
Sewerage Mains	41948				Clarenza	B	2015	10,925	10,925	1995	PRE	477
Sewerage Mains	41949				Clarenza	B	2015	19,423	19,423	1995	PRE	849
Sewerage Mains	41950				Clarenza	B	2015	4,552	4,552	1995	PRE	199
Sewerage Mains	41951				Clarenza	B	2015	11,229	11,229	1995	PRE	491
Sewerage Mains	41952				Clarenza	B	2015	6,980	6,980	1995	PRE	305
Sewerage Mains	41953				Clarenza	B	2015	11,091	11,091	1995	PRE	485
Sewerage Mains	41954				Clarenza	B	2015	5,314	5,314	1995	PRE	232
Sewerage Mains	41955				Clarenza	B	2015	12,477	12,477	1995	PRE	545
Sewerage Mains	41956				Clarenza	B	2015	1,617	1,617	1995	PRE	71
Sewerage Mains	41958				Clarenza	B	2015	9,935	9,935	1995	PRE	434
Sewerage Mains	41959				Clarenza	B	2015	13,632	13,632	1995	PRE	596
Sewerage Mains	41960				Clarenza	B	2015	11,229	11,229	1995	PRE	491
Sewerage Mains	41977				Clarenza	B	2015	8,087	8,087	1995	PRE	353
Sewerage Mains	41979				Clarenza	B	2015	5,083	5,083	1995	PRE	222
Sewerage Mains	41980				Clarenza	B	2015	1,155	1,155	1995	PRE	50
Sewerage Mains	41981				Clarenza	B	2015	12,939	12,939	1995	PRE	565
Sewerage Mains	41982				Clarenza	B	2015	7,284	7,284	1995	PRE	318
Sewerage Mains	41983				Clarenza	B	2015	486	486	1995	PRE	21
Sewerage Mains	41984				Clarenza	B	2015	4,159	4,159	1995	PRE	182
Sewerage Mains	41985				Clarenza	B	2015	22,154	22,154	1995	PRE	968
Sewerage Mains	41986				Clarenza	B	2015	17,098	17,098	1995	PRE	747
Sewerage Mains	41988				Clarenza	B	2015	3,466	3,466	1995	PRE	151
Sewerage Mains	41989				Clarenza	B	2015	7,284	7,284	1995	PRE	318
Sewerage Mains	41990				Clarenza	B	2015	13,170	13,170	1995	PRE	575
Sewerage Mains	41992				Clarenza	B	2015	11,229	11,229	1995	PRE	491
Sewerage Mains	41993				Clarenza	B	2015	17,098	17,098	1995	PRE	747
Sewerage Mains	41994				Clarenza	B	2015	2,311	2,311	1995	PRE	101
Sewerage Mains	41995				Clarenza	B	2015	17,560	17,560	1995	PRE	767
Sewerage Mains	41996				Clarenza	B	2015	17,560	17,560	1995	PRE	767
Sewerage Mains	41997				Clarenza	B	2015	14,787	14,787	1995	PRE	646
Sewerage Mains	41998				Clarenza	B	2015	18,484	18,484	1995	PRE	808
Sewerage Mains	41999				Clarenza	B	2015	9,935	9,935	1995	PRE	434
Sewerage Mains	42000				Clarenza	B	2015	10,166	10,166	1995	PRE	444

Asset Category	Asset ID	Asset Name	Segment Name	Description	Development Area Name	Development Area	Valuation Year	Gross (2015\$)	Gross (2015\$) - Adjusted	Construction Year	Pre or Post 1996 Asset	Capital Charge (2016\$)
Sewerage Mains	42001				Clarenza	B	2015	18,484	18,484	1995	PRE	808
Sewerage Mains	42002				Clarenza	B	2015	8,087	8,087	1995	PRE	353
Sewerage Mains	42003				Clarenza	B	2015	16,405	16,405	1995	PRE	717
Sewerage Mains	42004				Clarenza	B	2015	17,329	17,329	1995	PRE	757
Sewerage Mains	42005				Clarenza	B	2015	15,712	15,712	1995	PRE	686
Sewerage Mains	42006				Clarenza	B	2015	18,484	18,484	1995	PRE	808
Sewerage Mains	42007				Clarenza	B	2015	19,177	19,177	1995	PRE	838
Sewerage Mains	42008				Clarenza	B	2015	19,177	19,177	1995	PRE	838
Sewerage Mains	42009				Clarenza	B	2015	18,715	18,715	1995	PRE	818
Sewerage Mains	42010				Clarenza	B	2015	19,408	19,408	1995	PRE	848
Sewerage Mains	42011				Clarenza	B	2015	19,177	19,177	1995	PRE	838
Sewerage Mains	42013				Clarenza	B	2015	2,079	2,079	1995	PRE	91
Sewerage Mains	42060				Clarenza	B	2015	1,925	1,925	1995	PRE	84
Sewerage Mains	42163				Clarenza	B	2015	19,177	19,177	1995	PRE	838
Sewerage Mains	42164				Clarenza	B	2015	19,177	19,177	1995	PRE	838
Sewerage Mains	42165				Clarenza	B	2015	3,928	3,928	1995	PRE	172
Sewerage Mains	41978				Clarenza	B	2015	693	693	1995	PRE	30
Sewerage Mains	42536				North Grafton	A	2015	1,502	1,502	1995	PRE	70
Sewerage Mains	42383				North Grafton	A	2015	4,326	4,326	1995	PRE	201
Sewerage Mains	45099				Yamba	E	2015	11,206	11,206	1995	PRE	775
Sewerage Mains	45100				Yamba	E	2015	16,982	16,982	1995	PRE	1,174
Sewerage Mains	45101				Yamba	E	2015	23,132	23,132	1995	PRE	1,599
Sewerage Mains	45102				Yamba	E	2015	14,270	14,270	1995	PRE	987
Sewerage Mains	45103				Yamba	E	2015	7,510	7,510	1995	PRE	519
Sewerage Mains	45104				Yamba	E	2015	24,755	24,755	1995	PRE	1,712
Sewerage Mains	45124				Yamba	E	2015	11,932	11,932	1995	PRE	825
Sewerage Mains	45125				Yamba	E	2015	33,126	33,126	1995	PRE	2,290
Sewerage Mains	45126				Yamba	E	2015	26,251	26,251	1995	PRE	1,815
Sewerage Mains	45127				Yamba	E	2015	10,561	10,561	1995	PRE	730
Sewerage Mains	45128				Yamba	E	2015	11,532	11,532	1995	PRE	797
Sewerage Mains	45133				Yamba	E	2015	26,291	26,291	1995	PRE	1,818
Sewerage Mains	45134				Yamba	E	2015	36,959	36,959	1995	PRE	2,555
Sewerage Mains	45135				Yamba	E	2015	21,812	21,812	1995	PRE	1,508
Sewerage Mains	45136				Yamba	E	2015	21,849	21,849	1995	PRE	1,511
Sewerage Mains	45137				Yamba	E	2015	3,305	3,305	1995	PRE	229
Sewerage Mains	45147				Yamba	E	2015	20,849	20,849	1995	PRE	1,441
Sewerage Mains	45148				Yamba	E	2015	8,710	8,710	1995	PRE	602
Sewerage Mains	45149				Yamba	E	2015	11,714	11,714	1995	PRE	810
Sewerage Mains	45150				Yamba	E	2015	7,101	7,101	1995	PRE	491
Sewerage Mains	45151				Yamba	E	2015	4,431	4,431	1995	PRE	306
Sewerage Mains	45152				Yamba	E	2015	4,765	4,765	1995	PRE	329
Sewerage Mains	45153				Yamba	E	2015	5,888	5,888	1995	PRE	407
Sewerage Mains	45154				Yamba	E	2015	4,847	4,847	1995	PRE	335
Sewerage Mains	45178				Yamba	E	2015	8,352	8,352	1995	PRE	577
Sewerage Mains	45181				Yamba	E	2015	10,511	10,511	1995	PRE	727
Sewerage Mains	45182				Yamba	E	2015	13,267	13,267	1995	PRE	917
Sewerage Mains	45183				Yamba	E	2015	2,890	2,890	1995	PRE	200

Asset Category	Asset ID	Asset Name	Segment Name	Description	Development Area Name	Development Area	Valuation Year	Gross (2015\$)	Gross (2015\$) - Adjusted	Construction Year	Pre or Post 1996 Asset	Capital Charge (2016\$)
Sewerage Mains	45195				Yamba	E	2015	8,712	8,712	1995	PRE	602
Sewerage Mains	1178				North Grafton	A	2015	29,195	29,195	1995	PRE	1,357
Sewerage Mains	1177				North Grafton	A	2015	29,868	29,868	1995	PRE	1,388
Sewerage Mains	1185				North Grafton	A	2015	5,014	5,014	1995	PRE	233
Sewerage Mains	1194				North Grafton	A	2015	15,111	15,111	1995	PRE	702
Sewerage Mains	1204				North Grafton	A	2015	17,329	17,329	1995	PRE	806
Sewerage Mains	1193				North Grafton	A	2015	3,697	3,697	1995	PRE	172
Sewerage Mains	1174				North Grafton	A	2015	1,178	1,178	1995	PRE	55
Sewerage Mains	1195				North Grafton	A	2015	11,987	11,987	1995	PRE	557
Sewerage Mains	1196				North Grafton	A	2015	13,699	13,699	1995	PRE	637
Sewerage Mains	1197				North Grafton	A	2015	30,712	30,712	1995	PRE	1,428
Sewerage Mains	1198				North Grafton	A	2015	4,621	4,621	1995	PRE	215
Sewerage Mains	1200				North Grafton	A	2015	9,127	9,127	1995	PRE	424
Sewerage Mains	1199				North Grafton	A	2015	12,246	12,246	1995	PRE	569
Sewerage Mains	1202				North Grafton	A	2015	10,397	10,397	1995	PRE	483
Sewerage Mains	1190				North Grafton	A	2015	16,174	16,174	1995	PRE	752
Sewerage Mains	1189				North Grafton	A	2015	8,711	8,711	1995	PRE	405
Sewerage Mains	1181				North Grafton	A	2015	15,088	15,088	1995	PRE	701
Sewerage Mains	1182				North Grafton	A	2015	5,007	5,007	1995	PRE	233
Sewerage Mains	1179				North Grafton	A	2015	4,159	4,159	1995	PRE	193
Sewerage Mains	1187				North Grafton	A	2015	11,899	11,899	1995	PRE	553
Sewerage Mains	1188				North Grafton	A	2015	15,226	15,226	1995	PRE	708
Sewerage Mains	1191				North Grafton	A	2015	14,164	14,164	1995	PRE	658
Sewerage Mains	1192				North Grafton	A	2015	17,329	17,329	1995	PRE	806
Sewerage Mains	46893				North Grafton	A	2015	21,495	21,495	1995	PRE	999
Sewerage Mains	46894				North Grafton	A	2015	23,420	23,420	1995	PRE	1,089
Sewerage Mains	46896				North Grafton	A	2015	7,146	7,146	1995	PRE	332
Sewerage Mains	46895				North Grafton	A	2015	23,612	23,612	1995	PRE	1,098
Sewerage Mains	40636				North Grafton	A	2015	10,999	10,999	1995	PRE	511
Sewerage Mains	42399				Clarenza	B	2015	3,466	3,466	1995	PRE	151
Sewerage Mains	42400				Clarenza	B	2015	1,409	1,409	1995	PRE	62
Sewerage Mains	40017				North Grafton	A	2015	4,806	4,806	1995	PRE	223
Sewerage Mains	40019				North Grafton	A	2015	23,398	23,398	1995	PRE	1,088
Sewerage Mains	40020				North Grafton	A	2015	2,762	2,762	1995	PRE	128
Sewerage Mains	40021				North Grafton	A	2015	10,929	10,929	1995	PRE	508
Sewerage Mains	40027				North Grafton	A	2015	17,814	17,814	1995	PRE	828
Sewerage Mains	40022				North Grafton	A	2015	3,027	3,027	1995	PRE	141
Sewerage Mains	46802				North Grafton	A	2015	11,761	11,761	1995	PRE	547
Sewerage Mains	46801				North Grafton	A	2015	17,676	17,676	1995	PRE	822
Sewerage Mains	42210				Clarenza	B	2015	26,403	26,403	1996	POST	1,153
Sewerage Mains	42211				Clarenza	B	2015	19,639	19,639	1996	POST	858
Sewerage Mains	42212				Clarenza	B	2015	16,867	16,867	1996	POST	737
Sewerage Mains	42213				Clarenza	B	2015	11,784	11,784	1996	POST	515
Sewerage Mains	42214				Clarenza	B	2015	11,553	11,553	1996	POST	505
Sewerage Mains	42215				Clarenza	B	2015	16,084	16,084	1996	POST	703
Sewerage Mains	42216				Clarenza	B	2015	17,560	17,560	1996	POST	767
Sewerage Mains	42219				Clarenza	B	2015	18,484	18,484	1996	POST	808

Asset Category	Asset ID	Asset Name	Segment Name	Description	Development Area Name	Development Area	Valuation Year	Gross (2015\$)	Gross (2015\$) - Adjusted	Construction Year	Pre or Post 1996 Asset	Capital Charge (2016\$)
Sewerage Mains	42220				Clarenza	B	2015	5,463	5,463	1996	POST	239
Sewerage Mains	42221				Clarenza	B	2015	18,484	18,484	1996	POST	808
Sewerage Mains	42222				Clarenza	B	2015	23,368	23,368	1996	POST	1,021
Sewerage Mains	42421				Clarenza	B	2015	9,104	9,104	1996	POST	398
Sewerage Mains	42422				Clarenza	B	2015	9,519	9,519	1996	POST	416
Sewerage Mains	40877				Clarenza	B	2015	12,460	12,460	1996	POST	544
Sewerage Mains	40735				North Grafton	A	2015	22,154	22,154	1996	POST	1,030
Sewerage Mains	40743				North Grafton	A	2015	6,980	6,980	1996	POST	324
Sewerage Mains	40754				North Grafton	A	2015	21,244	21,244	1996	POST	987
Sewerage Mains	40755				North Grafton	A	2015	16,084	16,084	1996	POST	748
Sewerage Mains	42225				Clarenza	B	2015	7,140	7,140	1996	POST	312
Sewerage Mains	42243				Clarenza	B	2015	2,449	2,449	1996	POST	107
Sewerage Mains	42244				Clarenza	B	2015	4,760	4,760	1996	POST	208
Sewerage Mains	42245				Clarenza	B	2015	2,773	2,773	1996	POST	121
Sewerage Mains	42370				Clarenza	B	2015	24,734	24,734	1996	POST	1,081
Sewerage Mains	42371				Clarenza	B	2015	10,015	10,015	1996	POST	438
Sewerage Mains	42372				Clarenza	B	2015	8,497	8,497	1996	POST	371
Sewerage Mains	42373				Clarenza	B	2015	7,041	7,041	1996	POST	308
Sewerage Mains	42374				Clarenza	B	2015	7,763	7,763	1996	POST	339
Sewerage Mains	42375				Clarenza	B	2015	14,857	14,857	1996	POST	649
Sewerage Mains	42376				Clarenza	B	2015	12,443	12,443	1996	POST	544
Sewerage Mains	42377				Clarenza	B	2015	9,226	9,226	1996	POST	403
Sewerage Mains	42378				Clarenza	B	2015	11,322	11,322	1996	POST	495
Sewerage Mains	42379				Clarenza	B	2015	19,639	19,639	1996	POST	858
Sewerage Mains	42263				North Grafton	A	2015	15,781	15,781	1996	POST	734
Sewerage Mains	1005				North Grafton	A	2015	31,865	31,865	1997	POST	1,481
Sewerage Mains	42382				North Grafton	A	2015	4,852	4,852	1997	POST	226
Sewerage Mains	42246				Clarenza	B	2015	1,640	1,640	1997	POST	72
Sewerage Mains	42250				Clarenza	B	2015	15,319	15,319	1997	POST	669
Sewerage Mains	42251				Clarenza	B	2015	5,984	5,984	1997	POST	261
Sewerage Mains	42252				Clarenza	B	2015	3,928	3,928	1997	POST	172
Sewerage Mains	42481				Clarenza	B	2015	11,945	11,945	1997	POST	522
Sewerage Mains	42482				Clarenza	B	2015	4,806	4,806	1997	POST	210
Sewerage Mains	42483				Clarenza	B	2015	11,021	11,021	1997	POST	481
Sewerage Mains	42484				Clarenza	B	2015	8,826	8,826	1997	POST	386
Sewerage Mains	42485				Clarenza	B	2015	6,646	6,646	1997	POST	290
Sewerage Mains	42491				Clarenza	B	2015	12,746	12,746	1997	POST	557
Sewerage Mains	42486				Clarenza	B	2015	4,552	4,552	1997	POST	199
Sewerage Mains	42487				Clarenza	B	2015	7,671	7,671	1997	POST	335
Sewerage Mains	42490				Clarenza	B	2015	14,330	14,330	1997	POST	626
Sewerage Mains	42490				Clarenza	B	2015	11,021	11,021	1997	POST	481
Sewerage Mains	46803				North Grafton	A	2015	5,152	5,152	1997	POST	239
Sewerage Mains	40748				North Grafton	A	2015	3,558	3,558	1997	POST	165
Sewerage Mains	40746				North Grafton	A	2015	5,311	5,311	1997	POST	247
Sewerage Mains	42360				North Grafton	A	2015	11,532	11,532	1997	POST	536
Sewerage Mains	42361				North Grafton	A	2015	5,554	5,554	1997	POST	258
Sewerage Mains	42362				North Grafton	A	2015	15,933	15,933	1997	POST	741

Asset Category	Asset ID	Asset Name	Segment Name	Description	Development Area Name	Development Area	Valuation Year	Gross (2015\$)	Gross (2015\$) - Adjusted	Construction Year	Pre or Post 1996 Asset	Capital Charge (2016\$)
Sewerage Mains	42363				North Grafton	A	2015	21,851	21,851	1997	POST	1,016
Sewerage Mains	42364				North Grafton	A	2015	578	578	1997	POST	27
Sewerage Mains	42365				North Grafton	A	2015	22,063	22,063	1997	POST	1,026
Sewerage Mains	42366				North Grafton	A	2015	15,933	15,933	1997	POST	741
Sewerage Mains	44009				North Grafton	A	2015	16,127	16,127	1997	POST	750
Sewerage Mains	44010				North Grafton	A	2015	4,321	4,321	1997	POST	201
Sewerage Mains	40736				North Grafton	A	2015	18,209	18,209	1998	POST	846
Sewerage Mains	40737				North Grafton	A	2015	8,549	8,549	1998	POST	397
Sewerage Mains	40738				North Grafton	A	2015	7,284	7,284	1998	POST	339
Sewerage Mains	40739				North Grafton	A	2015	3,004	3,004	1998	POST	140
Sewerage Mains	40740				North Grafton	A	2015	7,486	7,486	1998	POST	348
Sewerage Mains	40741				North Grafton	A	2015	6,373	6,373	1998	POST	296
Sewerage Mains	40742				North Grafton	A	2015	4,852	4,852	1998	POST	226
Sewerage Mains	40744				North Grafton	A	2015	6,373	6,373	1998	POST	296
Sewerage Mains	40745				North Grafton	A	2015	14,094	14,094	1998	POST	655
Sewerage Mains	40756				North Grafton	A	2015	10,622	10,622	1998	POST	494
Sewerage Mains	40757				North Grafton	A	2015	19,423	19,423	1998	POST	903
Sewerage Mains	40758				North Grafton	A	2015	24,278	24,278	1998	POST	1,129
Sewerage Mains	40759				North Grafton	A	2015	19,332	19,332	1998	POST	899
Sewerage Mains	42266				North Grafton	A	2015	8,087	8,087	1998	POST	376
Sewerage Mains	42359				North Grafton	A	2015	14,787	14,787	1998	POST	687
Sewerage Mains	40750				North Grafton	A	2015	3,281	3,281	1998	POST	153
Sewerage Mains	42274				Clarenza	B	2015	17,164	17,164	1998	POST	750
Sewerage Mains	42275				Clarenza	B	2015	14,373	14,373	1998	POST	628
Sewerage Mains	42276				Clarenza	B	2015	13,892	13,892	1998	POST	607
Sewerage Mains	42277				Clarenza	B	2015	13,218	13,218	1998	POST	577
Sewerage Mains	42279				Clarenza	B	2015	1,742	1,742	1998	POST	76
Sewerage Mains	42280				Clarenza	B	2015	13,410	13,410	1998	POST	586
Sewerage Mains	42281				Clarenza	B	2015	7,739	7,739	1998	POST	338
Sewerage Mains	42282				Clarenza	B	2015	6,955	6,955	1998	POST	304
Sewerage Mains	42283				Clarenza	B	2015	14,164	14,164	1998	POST	619
Sewerage Mains	42284				Clarenza	B	2015	3,928	3,928	1998	POST	172
Sewerage Mains	42285				Clarenza	B	2015	4,783	4,783	1998	POST	209
Sewerage Mains	42286				Clarenza	B	2015	24,855	24,855	1998	POST	1,086
Sewerage Mains	42287				Clarenza	B	2015	11,896	11,896	1998	POST	520
Sewerage Mains	42288				Clarenza	B	2015	12,939	12,939	1998	POST	565
Sewerage Mains	42292				Clarenza	B	2015	20,240	20,240	1998	POST	884
Sewerage Mains	42293				Clarenza	B	2015	24,005	24,005	1998	POST	1,049
Sewerage Mains	42295				Clarenza	B	2015	6,308	6,308	1998	POST	276
Sewerage Mains	42296				Clarenza	B	2015	26,099	26,099	1998	POST	1,140
Sewerage Mains	42297				Clarenza	B	2015	6,123	6,123	1998	POST	268
Sewerage Mains	42298				Clarenza	B	2015	16,104	16,104	1998	POST	704
Sewerage Mains	42299				Clarenza	B	2015	20,515	20,515	1998	POST	896
Sewerage Mains	42300				Clarenza	B	2015	17,541	17,541	1998	POST	766
Sewerage Mains	42301				Clarenza	B	2015	24,393	24,393	1998	POST	1,066
Sewerage Mains	42302				Clarenza	B	2015	1,960	1,960	1998	POST	86
Sewerage Mains	42303				Clarenza	B	2015	32,930	32,930	1998	POST	1,439

Asset Category	Asset ID	Asset Name	Segment Name	Description	Development Area Name	Development Area	Valuation Year	Gross (2015\$)	Gross (2015\$) - Adjusted	Construction Year	Pre or Post 1996 Asset	Capital Charge (2016\$)
Sewerage Mains	42304				Clarenza	B	2015	20,647	20,647	1998	POST	902
Sewerage Mains	42305				Clarenza	B	2015	24,393	24,393	1998	POST	1,066
Sewerage Mains	42306				Clarenza	B	2015	17,966	17,966	1998	POST	785
Sewerage Mains	42510				Clarenza	B	2015	254	254	1998	POST	11
Sewerage Mains	42425				Clarenza	B	2015	2,311	2,311	1998	POST	101
Sewerage Mains	42267				Clarenza	B	2015	10,467	10,467	1998	POST	457
Sewerage Mains	42268				Clarenza	B	2015	3,722	3,722	1998	POST	163
Sewerage Mains	42270				Clarenza	B	2015	20,009	20,009	1998	POST	874
Sewerage Mains	42271				Clarenza	B	2015	18,369	18,369	1998	POST	803
Sewerage Mains	42272				Clarenza	B	2015	27,306	27,306	1998	POST	1,193
Sewerage Mains	42273				Clarenza	B	2015	29,967	29,967	1998	POST	1,309
Sewerage Mains	42278				Clarenza	B	2015	7,692	7,692	1998	POST	336
Sewerage Mains	46541				Woodford Island	D	2015	19,347	19,347	1998	POST	1,198
Sewerage Mains	40997				Clarenza	B	2015	14,449	14,449	1999	POST	631
Sewerage Mains	42264				North Grafton	A	2015	3,189	3,189	1999	POST	148
Sewerage Mains	42265				North Grafton	A	2015	18,993	18,993	1999	POST	883
Sewerage Mains	42416				Clarenza	B	2015	18,484	18,484	1999	POST	808
Sewerage Mains	42417				Clarenza	B	2015	6,100	6,100	1999	POST	266
Sewerage Mains	42414				Clarenza	B	2015	18,484	18,484	1999	POST	808
Sewerage Mains	42415				Clarenza	B	2015	15,018	15,018	1999	POST	656
Sewerage Mains	42418				Clarenza	B	2015	18,484	18,484	1999	POST	808
Sewerage Mains	42419				Clarenza	B	2015	1,155	1,155	1999	POST	50
Sewerage Mains	41991				Clarenza	B	2015	18,484	18,484	1999	POST	808
Sewerage Mains	42420				Clarenza	B	2015	277	277	1999	POST	12
Sewerage Mains	42531				Clarenza	B	2015	7,284	7,284	2000	POST	318
Sewerage Mains	42574				North Grafton	A	2015	21,066	21,066	2000	POST	979
Sewerage Mains	42575				North Grafton	A	2015	9,135	9,135	2000	POST	425
Sewerage Mains	44212				Yamba	E	2015	20,148	20,148	2000	POST	1,393
Sewerage Mains	44215				Yamba	E	2015	13,725	13,725	2000	POST	949
Sewerage Mains	44216				Yamba	E	2015	17,444	17,444	2000	POST	1,206
Sewerage Mains	44217				Yamba	E	2015	20,217	20,217	2000	POST	1,398
Sewerage Mains	44218				Yamba	E	2015	5,476	5,476	2000	POST	379
Sewerage Mains	44219				Yamba	E	2015	9,034	9,034	2000	POST	625
Sewerage Mains	44220				Yamba	E	2015	6,932	6,932	2000	POST	479
Sewerage Mains	44221				Yamba	E	2015	7,394	7,394	2000	POST	511
Sewerage Mains	44222				Yamba	E	2015	8,503	8,503	2000	POST	588
Sewerage Mains	44223				Yamba	E	2015	5,499	5,499	2000	POST	380
Sewerage Mains	44224				Yamba	E	2015	2,542	2,542	2000	POST	176
Sewerage Mains	44225				Yamba	E	2015	4,113	4,113	2000	POST	284
Sewerage Mains	44226				Yamba	E	2015	15,203	15,203	2000	POST	1,051
Sewerage Mains	44227				Yamba	E	2015	6,516	6,516	2000	POST	451
Sewerage Mains	44585				Yamba	E	2015	5,961	5,961	2000	POST	412
Sewerage Mains	44586				Yamba	E	2015	7,571	7,571	2000	POST	523
Sewerage Mains	44587				Yamba	E	2015	12,893	12,893	2000	POST	891
Sewerage Mains	44588				Yamba	E	2015	15,827	15,827	2000	POST	1,094
Sewerage Mains	44589				Yamba	E	2015	6,701	6,701	2000	POST	463
Sewerage Mains	44591				Yamba	E	2015	10,470	10,470	2000	POST	724

Asset Category	Asset ID	Asset Name	Segment Name	Description	Development Area Name	Development Area	Valuation Year	Gross (2015\$)	Gross (2015\$) - Adjusted	Construction Year	Pre or Post 1996 Asset	Capital Charge (2016\$)
Sewerage Mains	44592				Yamba	E	2015	10,622	10,622	2000	POST	734
Sewerage Mains	44593				Yamba	E	2015	5,337	5,337	2000	POST	369
Sewerage Mains	44597				Yamba	E	2015	7,467	7,467	2000	POST	516
Sewerage Mains	44598				Yamba	E	2015	32,978	32,978	2000	POST	2,280
Sewerage Mains	44600				Yamba	E	2015	34,678	34,678	2000	POST	2,398
Sewerage Mains	44601				Yamba	E	2015	5,042	5,042	2000	POST	349
Sewerage Mains	44602				Yamba	E	2015	27,568	27,568	2000	POST	1,906
Sewerage Mains	44603				Yamba	E	2015	15,298	15,298	2000	POST	1,058
Sewerage Mains	44604				Yamba	E	2015	3,882	3,882	2000	POST	268
Sewerage Mains	44605				Yamba	E	2015	5,408	5,408	2000	POST	374
Sewerage Mains	44606				Yamba	E	2015	5,083	5,083	2000	POST	351
Sewerage Mains	44609				Yamba	E	2015	1,571	1,571	2000	POST	109
Sewerage Mains	44613				Yamba	E	2015	11,559	11,559	2000	POST	799
Sewerage Mains	44616				Yamba	E	2015	15,342	15,342	2000	POST	1,061
Sewerage Mains	44618				Yamba	E	2015	27,042	27,042	2000	POST	1,870
Sewerage Mains	44619				Yamba	E	2015	20,290	20,290	2000	POST	1,403
Sewerage Mains	44620				Yamba	E	2015	3,928	3,928	2000	POST	272
Sewerage Mains	44623				Yamba	E	2015	5,918	5,918	2000	POST	409
Sewerage Mains	44624				Yamba	E	2015	14,567	14,567	2000	POST	1,007
Sewerage Mains	44626				Yamba	E	2015	3,551	3,551	2000	POST	246
Sewerage Mains	44627				Yamba	E	2015	3,338	3,338	2000	POST	231
Sewerage Mains	44628				Yamba	E	2015	6,238	6,238	2000	POST	431
Sewerage Mains	44631				Yamba	E	2015	6,737	6,737	2000	POST	466
Sewerage Mains	44632				Yamba	E	2015	3,642	3,642	2000	POST	252
Sewerage Mains	44635				Yamba	E	2015	3,642	3,642	2000	POST	252
Sewerage Mains	44636				Yamba	E	2015	5,007	5,007	2000	POST	346
Sewerage Mains	44637				Yamba	E	2015	7,579	7,579	2000	POST	524
Sewerage Mains	44638				Yamba	E	2015	5,222	5,222	2000	POST	361
Sewerage Mains	44639				Yamba	E	2015	8,664	8,664	2000	POST	599
Sewerage Mains	44640				Yamba	E	2015	13,678	13,678	2000	POST	946
Sewerage Mains	44641				Yamba	E	2015	1,178	1,178	2000	POST	81
Sewerage Mains	44642				Yamba	E	2015	6,932	6,932	2000	POST	479
Sewerage Mains	44643				Yamba	E	2015	5,961	5,961	2000	POST	412
Sewerage Mains	44644				Yamba	E	2015	6,377	6,377	2000	POST	441
Sewerage Mains	44645				Yamba	E	2015	13,050	13,050	2000	POST	902
Sewerage Mains	44646				Yamba	E	2015	9,408	9,408	2000	POST	650
Sewerage Mains	44647				Yamba	E	2015	4,644	4,644	2000	POST	321
Sewerage Mains	44648				Yamba	E	2015	3,558	3,558	2000	POST	246
Sewerage Mains	44649				Yamba	E	2015	2,334	2,334	2000	POST	161
Sewerage Mains	44650				Yamba	E	2015	14,880	14,880	2000	POST	1,029
Sewerage Mains	44651				Yamba	E	2015	4,947	4,947	2000	POST	342
Sewerage Mains	44652				Yamba	E	2015	10,952	10,952	2000	POST	757
Sewerage Mains	44653				Yamba	E	2015	2,611	2,611	2000	POST	181
Sewerage Mains	44654				Yamba	E	2015	5,661	5,661	2000	POST	391
Sewerage Mains	44655				Yamba	E	2015	5,766	5,766	2000	POST	399
Sewerage Mains	44656				Yamba	E	2015	7,856	7,856	2000	POST	543
Sewerage Mains	44657				Yamba	E	2015	3,258	3,258	2000	POST	225

Asset Category	Asset ID	Asset Name	Segment Name	Description	Development Area Name	Development Area	Valuation Year	Gross (2015\$)	Gross (2015\$) - Adjusted	Construction Year	Pre or Post 1996 Asset	Capital Charge (2016\$)
Sewerage Mains	44658				Yamba	E	2015	5,007	5,007	2000	POST	346
Sewerage Mains	44659				Yamba	E	2015	8,549	8,549	2000	POST	591
Sewerage Mains	44660				Yamba	E	2015	5,705	5,705	2000	POST	394
Sewerage Mains	44661				Yamba	E	2015	6,493	6,493	2000	POST	449
Sewerage Mains	44662				Yamba	E	2015	9,658	9,658	2000	POST	668
Sewerage Mains	44663				Yamba	E	2015	10,975	10,975	2000	POST	759
Sewerage Mains	44664				Yamba	E	2015	7,140	7,140	2000	POST	494
Sewerage Mains	44665				Yamba	E	2015	9,560	9,560	2000	POST	661
Sewerage Mains	44666				Yamba	E	2015	11,483	11,483	2000	POST	794
Sewerage Mains	44667				Yamba	E	2015	6,161	6,161	2000	POST	426
Sewerage Mains	45234				Yamba	E	2015	26,978	26,978	2000	POST	1,865
Sewerage Mains	45235				Yamba	E	2015	2,022	2,022	2000	POST	140
Sewerage Mains	45236				Yamba	E	2015	6,027	6,027	2000	POST	417
Sewerage Mains	45237				Yamba	E	2015	5,824	5,824	2000	POST	403
Sewerage Mains	45238				Yamba	E	2015	1,317	1,317	2000	POST	91
Sewerage Mains	45239				Yamba	E	2015	13,954	13,954	2000	POST	965
Sewerage Mains	45240				Yamba	E	2015	9,135	9,135	2000	POST	632
Sewerage Mains	45241				Yamba	E	2015	17,392	17,392	2000	POST	1,202
Sewerage Mains	45242				Yamba	E	2015	18,148	18,148	2000	POST	1,255
Sewerage Mains	45243				Yamba	E	2015	5,190	5,190	2000	POST	359
Sewerage Mains	45244				Yamba	E	2015	5,311	5,311	2000	POST	367
Sewerage Mains	45245				Yamba	E	2015	27,283	27,283	2000	POST	1,886
Sewerage Mains	45246				Yamba	E	2015	6,191	6,191	2000	POST	428
Sewerage Mains	45247				Yamba	E	2015	15,993	15,993	2000	POST	1,106
Sewerage Mains	45248				Yamba	E	2015	3,281	3,281	2000	POST	227
Sewerage Mains	45249				Yamba	E	2015	8,734	8,734	2000	POST	604
Sewerage Mains	45250				Yamba	E	2015	7,284	7,284	2000	POST	504
Sewerage Mains	45251				Yamba	E	2015	5,796	5,796	2000	POST	401
Sewerage Mains	45252				Yamba	E	2015	5,766	5,766	2000	POST	399
Sewerage Mains	45269				Yamba	E	2015	4,449	4,449	2000	POST	308
Sewerage Mains	45270				Yamba	E	2015	21,972	21,972	2000	POST	1,519
Sewerage Mains	45271				Yamba	E	2015	4,036	4,036	2000	POST	279
Sewerage Mains	45272				Yamba	E	2015	9,165	9,165	2000	POST	634
Sewerage Mains	45273				Yamba	E	2015	7,001	7,001	2000	POST	484
Sewerage Mains	45274				Yamba	E	2015	7,902	7,902	2000	POST	546
Sewerage Mains	45275				Yamba	E	2015	6,768	6,768	2000	POST	468
Sewerage Mains	45276				Yamba	E	2015	8,255	8,255	2000	POST	571
Sewerage Mains	45277				Yamba	E	2015	6,285	6,285	2000	POST	435
Sewerage Mains	45281				Yamba	E	2015	1,901	1,901	2000	POST	131
Sewerage Mains	45282				Yamba	E	2015	14,642	14,642	2000	POST	1,012
Sewerage Mains	45283				Yamba	E	2015	15,896	15,896	2000	POST	1,099
Sewerage Mains	45286				Yamba	E	2015	7,509	7,509	2000	POST	519
Sewerage Mains	45287				Yamba	E	2015	1,363	1,363	2000	POST	94
Sewerage Mains	45288				Yamba	E	2015	14,112	14,112	2000	POST	976
Sewerage Mains	45289				Yamba	E	2015	15,356	15,356	2000	POST	1,062
Sewerage Mains	45290				Yamba	E	2015	4,228	4,228	2000	POST	292
Sewerage Mains	45291				Yamba	E	2015	4,667	4,667	2000	POST	323

Asset Category	Asset ID	Asset Name	Segment Name	Description	Development Area Name	Development Area	Valuation Year	Gross (2015\$)	Gross (2015\$) - Adjusted	Construction Year	Pre or Post 1996 Asset	Capital Charge (2016\$)
Sewerage Mains	45292				Yamba	E	2015	5,892	5,892	2000	POST	407
Sewerage Mains	45293				Yamba	E	2015	4,760	4,760	2000	POST	329
Sewerage Mains	45294				Yamba	E	2015	12,594	12,594	2000	POST	871
Sewerage Mains	45295				Yamba	E	2015	6,908	6,908	2000	POST	478
Sewerage Mains	45296				Yamba	E	2015	4,205	4,205	2000	POST	291
Sewerage Mains	45297				Yamba	E	2015	2,680	2,680	2000	POST	185
Sewerage Mains	45298				Yamba	E	2015	6,100	6,100	2000	POST	422
Sewerage Mains	45304				Yamba	E	2015	4,459	4,459	2000	POST	308
Sewerage Mains	45305				Yamba	E	2015	1,225	1,225	2000	POST	85
Sewerage Mains	45306				Yamba	E	2015	10,351	10,351	2000	POST	716
Sewerage Mains	42530				Clarenza	B	2015	1,918	1,918	2000	POST	84
Sewerage Mains	46437				Clarenza	B	2015	15,569	15,569	2000	POST	680
Sewerage Mains	46438				Clarenza	B	2015	11,138	11,138	2000	POST	487
Sewerage Mains	46440				Clarenza	B	2015	6,384	6,384	2000	POST	279
Sewerage Mains	46439				Clarenza	B	2015	13,892	13,892	2000	POST	607
Sewerage Mains	46456				North Grafton	A	2015	4,644	4,644	2000	POST	216
Sewerage Mains	46457				North Grafton	A	2015	12,823	12,823	2000	POST	596
Sewerage Mains	47016				North Grafton	A	2015	4,644	4,644	2000	POST	216
Sewerage Mains	42411				Clarenza	B	2015	8,983	8,983	2000	POST	392
Sewerage Mains	42412				Clarenza	B	2015	16,959	16,959	2000	POST	741
Sewerage Mains	42413				Clarenza	B	2015	11,599	11,599	2000	POST	507
Sewerage Mains	42409				Clarenza	B	2015	6,654	6,654	2000	POST	291
Sewerage Mains	42406				Clarenza	B	2015	25,341	25,341	2000	POST	1,107
Sewerage Mains	42407				Clarenza	B	2015	11,275	11,275	2000	POST	493
Sewerage Mains	42528				Clarenza	B	2015	16,035	16,035	2000	POST	701
Sewerage Mains	44156				Clarenza	B	2015	13,147	13,147	2000	POST	574
Sewerage Mains	42408				Clarenza	B	2015	4,737	4,737	2000	POST	207
Sewerage Mains	42472				Clarenza	B	2015	12,754	12,754	2000	POST	557
Sewerage Mains	42473				Clarenza	B	2015	4,690	4,690	2000	POST	205
Sewerage Mains	42471				Clarenza	B	2015	15,088	15,088	2000	POST	659
Sewerage Mains	42470				Clarenza	B	2015	18,600	18,600	2000	POST	813
Sewerage Mains	42469				Clarenza	B	2015	15,896	15,896	2000	POST	694
Sewerage Mains	42468				Clarenza	B	2015	20,194	20,194	2000	POST	882
Sewerage Mains	42467				Clarenza	B	2015	14,487	14,487	2000	POST	633
Sewerage Mains	42466				Clarenza	B	2015	11,553	11,553	2000	POST	505
Sewerage Mains	42465				Clarenza	B	2015	23,762	23,762	2000	POST	1,038
Sewerage Mains	42460				Clarenza	B	2015	4,552	4,552	2000	POST	199
Sewerage Mains	42461				Clarenza	B	2015	7,232	7,232	2000	POST	316
Sewerage Mains	42459				Clarenza	B	2015	13,626	13,626	2000	POST	595
Sewerage Mains	42458				Clarenza	B	2015	24,552	24,552	2000	POST	1,073
Sewerage Mains	42457				Clarenza	B	2015	22,579	22,579	2000	POST	986
Sewerage Mains	42462				Clarenza	B	2015	4,529	4,529	2000	POST	198
Sewerage Mains	42463				Clarenza	B	2015	11,645	11,645	2000	POST	509
Sewerage Mains	42464				Clarenza	B	2015	3,050	3,050	2000	POST	133
Sewerage Mains	42488				Clarenza	B	2015	1,386	1,386	2000	POST	61
Sewerage Mains	42489				Clarenza	B	2015	1,040	1,040	2000	POST	45
Sewerage Mains	45215				Yamba	E	2015	27,313	27,313	2000	POST	1,888

Asset Category	Asset ID	Asset Name	Segment Name	Description	Development Area Name	Development Area	Valuation Year	Gross (2015\$)	Gross (2015\$) - Adjusted	Construction Year	Pre or Post 1996 Asset	Capital Charge (2016\$)
Sewerage Mains	45216				Yamba	E	2015	27,868	27,868	2000	POST	1,927
Sewerage Mains	45217				Yamba	E	2015	5,463	5,463	2000	POST	378
Sewerage Mains	45218				Yamba	E	2015	6,191	6,191	2000	POST	428
Sewerage Mains	45219				Yamba	E	2015	6,616	6,616	2000	POST	457
Sewerage Mains	45220				Yamba	E	2015	25,341	25,341	2000	POST	1,752
Sewerage Mains	45221				Yamba	E	2015	20,795	20,795	2000	POST	1,438
Sewerage Mains	45222				Yamba	E	2015	4,506	4,506	2000	POST	312
Sewerage Mains	45223				Yamba	E	2015	7,786	7,786	2000	POST	538
Sewerage Mains	45224				Yamba	E	2015	23,014	23,014	2000	POST	1,591
Sewerage Mains	45226				Yamba	E	2015	5,245	5,245	2000	POST	363
Sewerage Mains	45231				Yamba	E	2015	5,268	5,268	2000	POST	364
Sewerage Mains	46778				Clarenza	B	2015	3,812	3,812	2000	POST	167
Sewerage Mains	1169				North Grafton	A	2015	10,834	10,834	2000	POST	504
Sewerage Mains	1168				North Grafton	A	2015	4,909	4,909	2000	POST	228
Sewerage Mains	1167				North Grafton	A	2015	3,722	3,722	2000	POST	173
Sewerage Mains	1166				North Grafton	A	2015	19,059	19,059	2000	POST	886
Sewerage Mains	1165				North Grafton	A	2015	9,671	9,671	2000	POST	450
Sewerage Mains	1160				North Grafton	A	2015	7,217	7,217	2000	POST	335
Sewerage Mains	1161				North Grafton	A	2015	7,532	7,532	2000	POST	350
Sewerage Mains	1162				North Grafton	A	2015	6,586	6,586	2000	POST	306
Sewerage Mains	1163				North Grafton	A	2015	4,020	4,020	2000	POST	187
Sewerage Mains	1170				North Grafton	A	2015	13,609	13,609	2000	POST	633
Sewerage Mains	1164				North Grafton	A	2015	9,057	9,057	2000	POST	421
Sewerage Mains	1172				North Grafton	A	2015	9,034	9,034	2000	POST	420
Sewerage Mains	1171				North Grafton	A	2015	5,337	5,337	2000	POST	248
Sewerage Mains	1173				North Grafton	A	2015	3,466	3,466	2000	POST	161
Sewerage Mains	45211				Yamba	E	2015	16,543	16,543	2000	POST	1,144
Sewerage Mains	42393				North Grafton	A	2015	4,206	4,206	2000	POST	196
Sewerage Mains	42294				Clarenza	B	2015	6,007	6,007	2001	POST	262
Sewerage Mains	42446				Clarenza	B	2015	18,961	18,961	2001	POST	828
Sewerage Mains	42442				Clarenza	B	2015	14,871	14,871	2001	POST	650
Sewerage Mains	42443				Clarenza	B	2015	4,249	4,249	2001	POST	186
Sewerage Mains	42430				Clarenza	B	2015	12,261	12,261	2001	POST	536
Sewerage Mains	42433				Clarenza	B	2015	24,157	24,157	2001	POST	1,055
Sewerage Mains	42431				Clarenza	B	2015	3,945	3,945	2001	POST	172
Sewerage Mains	42439				Clarenza	B	2015	5,961	5,961	2001	POST	260
Sewerage Mains	42438				Clarenza	B	2015	10,744	10,744	2001	POST	469
Sewerage Mains	42440				Clarenza	B	2015	4,492	4,492	2001	POST	196
Sewerage Mains	42441				Clarenza	B	2015	4,856	4,856	2001	POST	212
Sewerage Mains	42447				Clarenza	B	2015	5,326	5,326	2001	POST	233
Sewerage Mains	42449				Clarenza	B	2015	5,294	5,294	2001	POST	231
Sewerage Mains	42450				Clarenza	B	2015	3,208	3,208	2001	POST	140
Sewerage Mains	42513				Clarenza	B	2015	347	347	2001	POST	15
Sewerage Mains	42514				Clarenza	B	2015	347	347	2001	POST	15
Sewerage Mains	42451				Clarenza	B	2015	25,666	25,666	2001	POST	1,121
Sewerage Mains	42452				Clarenza	B	2015	12,022	12,022	2001	POST	525
Sewerage Mains	42453				Clarenza	B	2015	34,847	34,847	2001	POST	1,522

Asset Category	Asset ID	Asset Name	Segment Name	Description	Development Area Name	Development Area	Valuation Year	Gross (2015\$)	Gross (2015\$) - Adjusted	Construction Year	Pre or Post 1996 Asset	Capital Charge (2016\$)
Sewerage Mains	42454				Clarenza	B	2015	25,666	25,666	2001	POST	1,121
Sewerage Mains	42455				Clarenza	B	2015	18,022	18,022	2001	POST	787
Sewerage Mains	42456				Clarenza	B	2015	11,322	11,322	2001	POST	495
Sewerage Mains	42445				Clarenza	B	2015	8,164	8,164	2001	POST	357
Sewerage Mains	42448				Clarenza	B	2015	3,096	3,096	2001	POST	135
Sewerage Mains	42434				Clarenza	B	2015	13,990	13,990	2001	POST	611
Sewerage Mains	42398				North Grafton	A	2015	65,803	65,803	2001	POST	3,059
Sewerage Mains	42435				Clarenza	B	2015	462	462	2001	POST	20
Sewerage Mains	46558				Clarenza	B	2015	273	273	2001	POST	12
Sewerage Mains	32380				Clarenza	B	2015	3,581	3,581	2001	POST	156
Sewerage Mains	42012				Clarenza	B	2015	4,621	4,621	2001	POST	202
Sewerage Mains	42516				North Grafton	A	2015	6,146	6,146	2001	POST	286
Sewerage Mains	42517				North Grafton	A	2015	8,295	8,295	2001	POST	386
Sewerage Mains	42518				North Grafton	A	2015	8,757	8,757	2001	POST	407
Sewerage Mains	46532				Woodford Island	D	2015	6,378	6,378	2001	POST	395
Sewerage Mains	42427				Clarenza	B	2015	9,242	9,242	2001	POST	404
Sewerage Mains	42426				Clarenza	B	2015	19,177	19,177	2001	POST	838
Sewerage Mains	42429				Clarenza	B	2015	6,701	6,701	2001	POST	293
Sewerage Mains	42511				Clarenza	B	2015	231	231	2001	POST	10
Sewerage Mains	42535				North Grafton	A	2015	7,101	7,101	2001	POST	330
Sewerage Mains	42512				North Grafton	A	2015	3,812	3,812	2001	POST	177
Sewerage Mains	42392				North Grafton	A	2015	3,004	3,004	2001	POST	140
Sewerage Mains	42397				North Grafton	A	2015	13,198	13,198	2001	POST	613
Sewerage Mains	42504				North Grafton	A	2015	6,654	6,654	2002	POST	309
Sewerage Mains	42381				Clarenza	B	2015	6,400	6,400	2002	POST	280
Sewerage Mains	44103				North Grafton	A	2015	6,493	6,493	2002	POST	302
Sewerage Mains	44104				North Grafton	A	2015	3,743	3,743	2002	POST	174
Sewerage Mains	42410				Clarenza	B	2015	5,176	5,176	2002	POST	226
Sewerage Mains	42389				Clarenza	B	2015	3,119	3,119	2002	POST	136
Sewerage Mains	42390				Clarenza	B	2015	1,710	1,710	2002	POST	75
Sewerage Mains	42391				Clarenza	B	2015	11,784	11,784	2002	POST	515
Sewerage Mains	42396				North Grafton	A	2015	14,962	14,962	2002	POST	695
Sewerage Mains	42395				North Grafton	A	2015	23,671	23,671	2002	POST	1,100
Sewerage Mains	42402				North Grafton	A	2015	2,944	2,944	2002	POST	137
Sewerage Mains	42404				North Grafton	A	2015	971	971	2002	POST	45
Sewerage Mains	42401				North Grafton	A	2015	13,504	13,504	2002	POST	628
Sewerage Mains	42403				North Grafton	A	2015	33,600	33,600	2002	POST	1,562
Sewerage Mains	42405				North Grafton	A	2015	12,898	12,898	2002	POST	600
Sewerage Mains	42522				North Grafton	A	2015	1,895	1,895	2002	POST	88
Sewerage Mains	42423				Clarenza	B	2015	647	647	2002	POST	28
Sewerage Mains	42424				Clarenza	B	2015	5,360	5,360	2002	POST	234
Sewerage Mains	42475				North Grafton	A	2015	3,084	3,084	2002	POST	143
Sewerage Mains	42477				North Grafton	A	2015	24,721	24,721	2002	POST	1,149
Sewerage Mains	42476				North Grafton	A	2015	29,844	29,844	2002	POST	1,387
Sewerage Mains	42478				North Grafton	A	2015	4,296	4,296	2002	POST	200
Sewerage Mains	42479				North Grafton	A	2015	5,593	5,593	2002	POST	260
Sewerage Mains	42480				North Grafton	A	2015	3,605	3,605	2002	POST	168

Asset Category	Asset ID	Asset Name	Segment Name	Description	Development Area Name	Development Area	Valuation Year	Gross (2015\$)	Gross (2015\$) - Adjusted	Construction Year	Pre or Post 1996 Asset	Capital Charge (2016\$)
Sewerage Mains	42495				Clarenza	B	2015	7,463	7,463	2002	POST	326
Sewerage Mains	42496				Clarenza	B	2015	393	393	2002	POST	17
Sewerage Mains	39799				North Grafton	A	2015	14,120	14,120	2002	POST	656
Sewerage Mains	39471				North Grafton	A	2015	5,545	5,545	2002	POST	258
Sewerage Mains	42503				North Grafton	A	2015	2,888	2,888	2003	POST	134
Sewerage Mains	42556				North Grafton	A	2015	4,667	4,667	2003	POST	217
Sewerage Mains	42557				North Grafton	A	2015	15,827	15,827	2003	POST	736
Sewerage Mains	42558				North Grafton	A	2015	14,556	14,556	2003	POST	677
Sewerage Mains	42533				North Grafton	A	2015	9,866	9,866	2003	POST	459
Sewerage Mains	42532				North Grafton	A	2015	5,037	5,037	2003	POST	234
Sewerage Mains	42561				North Grafton	A	2015	17,676	17,676	2003	POST	822
Sewerage Mains	42562				North Grafton	A	2015	19,639	19,639	2003	POST	913
Sewerage Mains	42563				North Grafton	A	2015	12,833	12,833	2003	POST	597
Sewerage Mains	42564				North Grafton	A	2015	53,930	53,930	2003	POST	2,507
Sewerage Mains	42565				North Grafton	A	2015	9,913	9,913	2003	POST	461
Sewerage Mains	42566				North Grafton	A	2015	25,647	25,647	2003	POST	1,192
Sewerage Mains	42567				North Grafton	A	2015	910	910	2003	POST	42
Sewerage Mains	42568				North Grafton	A	2015	9,103	9,103	2003	POST	423
Sewerage Mains	42569				North Grafton	A	2015	7,763	7,763	2003	POST	361
Sewerage Mains	42570				North Grafton	A	2015	17,098	17,098	2003	POST	795
Sewerage Mains	42571				North Grafton	A	2015	10,813	10,813	2003	POST	503
Sewerage Mains	42572				North Grafton	A	2015	29,195	29,195	2003	POST	1,357
Sewerage Mains	42573				North Grafton	A	2015	12,255	12,255	2003	POST	570
Sewerage Mains	42505				Clarenza	B	2015	924	924	2003	POST	40
Sewerage Mains	42501				North Grafton	A	2015	2,070	2,070	2003	POST	96
Sewerage Mains	42502				North Grafton	A	2015	15,320	15,320	2003	POST	712
Sewerage Mains	40465				North Grafton	A	2015	15,720	15,720	2003	POST	731
Sewerage Mains	44154				Clarenza	B	2015	14,672	14,672	2003	POST	641
Sewerage Mains	44155				Clarenza	B	2015	7,010	7,010	2003	POST	306
Sewerage Mains	44157				Clarenza	B	2015	8,387	8,387	2003	POST	366
Sewerage Mains	44158				Clarenza	B	2015	4,852	4,852	2003	POST	212
Sewerage Mains	42525				Clarenza	B	2015	5,430	5,430	2003	POST	237
Sewerage Mains	42537				North Grafton	A	2015	3,004	3,004	2003	POST	140
Sewerage Mains	42592				North Grafton	A	2015	1,155	1,155	2003	POST	54
Sewerage Mains	42593				North Grafton	A	2015	716	716	2003	POST	33
Sewerage Mains	42591				North Grafton	A	2015	3,512	3,512	2003	POST	163
Sewerage Mains	42590				North Grafton	A	2015	1,063	1,063	2003	POST	49
Sewerage Mains	44007				North Grafton	A	2015	7,948	7,948	2003	POST	369
Sewerage Mains	44008				North Grafton	A	2015	9,011	9,011	2003	POST	419
Sewerage Mains	42497				North Grafton	A	2015	2,311	2,311	2004	POST	107
Sewerage Mains	42499				Clarenza	B	2015	2,911	2,911	2004	POST	127
Sewerage Mains	44688				Yamba	E	2015	3,317	3,317	2004	POST	229
Sewerage Mains	44689				Yamba	E	2015	19,819	19,819	2004	POST	1,370
Sewerage Mains	44690				Yamba	E	2015	33,733	33,733	2004	POST	2,332
Sewerage Mains	44691				Yamba	E	2015	11,770	11,770	2004	POST	814
Sewerage Mains	44692				Yamba	E	2015	29,567	29,567	2004	POST	2,044
Sewerage Mains	44693				Yamba	E	2015	18,785	18,785	2004	POST	1,299

Asset Category	Asset ID	Asset Name	Segment Name	Description	Development Area Name	Development Area	Valuation Year	Gross (2015\$)	Gross (2015\$) - Adjusted	Construction Year	Pre or Post 1996 Asset	Capital Charge (2016\$)
Sewerage Mains	44694				Yamba	E	2015	4,113	4,113	2004	POST	284
Sewerage Mains	44695				Yamba	E	2015	5,545	5,545	2004	POST	383
Sewerage Mains	44696				Yamba	E	2015	3,189	3,189	2004	POST	220
Sewerage Mains	44697				Yamba	E	2015	6,007	6,007	2004	POST	415
Sewerage Mains	44698				Yamba	E	2015	15,265	15,265	2004	POST	1,055
Sewerage Mains	44699				Yamba	E	2015	6,677	6,677	2004	POST	462
Sewerage Mains	44700				Yamba	E	2015	3,997	3,997	2004	POST	276
Sewerage Mains	44701				Yamba	E	2015	5,675	5,675	2004	POST	392
Sewerage Mains	44702				Yamba	E	2015	5,823	5,823	2004	POST	403
Sewerage Mains	44703				Yamba	E	2015	20,788	20,788	2004	POST	1,437
Sewerage Mains	44704				Yamba	E	2015	5,268	5,268	2004	POST	364
Sewerage Mains	44705				Yamba	E	2015	3,812	3,812	2004	POST	264
Sewerage Mains	44706				Yamba	E	2015	2,489	2,489	2004	POST	172
Sewerage Mains	44707				Yamba	E	2015	11,229	11,229	2004	POST	776
Sewerage Mains	44708				Yamba	E	2015	5,892	5,892	2004	POST	407
Sewerage Mains	46431				Clarenza	B	2015	22,549	22,549	2004	POST	985
Sewerage Mains	46432				Clarenza	B	2015	12,031	12,031	2004	POST	526
Sewerage Mains	42560				North Grafton	A	2015	30,894	30,894	2004	POST	1,436
Sewerage Mains	42540				North Grafton	A	2015	12,731	12,731	2004	POST	592
Sewerage Mains	42576				North Grafton	A	2015	7,347	7,347	2004	POST	342
Sewerage Mains	42577				North Grafton	A	2015	13,709	13,709	2004	POST	637
Sewerage Mains	42578				North Grafton	A	2015	19,362	19,362	2004	POST	900
Sewerage Mains	42579				North Grafton	A	2015	5,341	5,341	2004	POST	248
Sewerage Mains	42580				North Grafton	A	2015	21,092	21,092	2004	POST	980
Sewerage Mains	42582				North Grafton	A	2015	3,466	3,466	2004	POST	161
Sewerage Mains	42583				North Grafton	A	2015	10,106	10,106	2004	POST	470
Sewerage Mains	42584				North Grafton	A	2015	13,493	13,493	2004	POST	627
Sewerage Mains	42585				North Grafton	A	2015	12,564	12,564	2004	POST	584
Sewerage Mains	42586				North Grafton	A	2015	4,436	4,436	2004	POST	206
Sewerage Mains	42588				North Grafton	A	2015	1,973	1,973	2004	POST	92
Sewerage Mains	42589				North Grafton	A	2015	31,410	31,410	2004	POST	1,460
Sewerage Mains	47021				North Grafton	A	2015	8,528	8,528	2004	POST	396
Sewerage Mains	42581				North Grafton	A	2015	3,217	3,217	2004	POST	150
Sewerage Mains	44040				Clarenza	B	2015	4,336	4,336	2004	POST	189
Sewerage Mains	44041				Clarenza	B	2015	29,455	29,455	2004	POST	1,287
Sewerage Mains	44042				Clarenza	B	2015	15,223	15,223	2004	POST	665
Sewerage Mains	44043				Clarenza	B	2015	8,203	8,203	2004	POST	358
Sewerage Mains	44044				Clarenza	B	2015	811	811	2004	POST	35
Sewerage Mains	44045				Clarenza	B	2015	781	781	2004	POST	34
Sewerage Mains	45342				Yamba	E	2015	3,928	3,928	2004	POST	272
Sewerage Mains	44065				Clarenza	B	2015	26,802	26,802	2004	POST	1,171
Sewerage Mains	44066				Clarenza	B	2015	13,748	13,748	2004	POST	601
Sewerage Mains	44067				Clarenza	B	2015	24,885	24,885	2004	POST	1,087
Sewerage Mains	44068				Clarenza	B	2015	24,278	24,278	2004	POST	1,061
Sewerage Mains	44069				Clarenza	B	2015	17,450	17,450	2004	POST	762
Sewerage Mains	44070				Clarenza	B	2015	26,964	26,964	2004	POST	1,178
Sewerage Mains	44071				Clarenza	B	2015	17,745	17,745	2004	POST	775

Asset Category	Asset ID	Asset Name	Segment Name	Description	Development Area Name	Development Area	Valuation Year	Gross (2015\$)	Gross (2015\$) - Adjusted	Construction Year	Pre or Post 1996 Asset	Capital Charge (2016\$)
Sewerage Mains	44072				Clarenza	B	2015	18,484	18,484	2004	POST	808
Sewerage Mains	44073				Clarenza	B	2015	12,477	12,477	2004	POST	545
Sewerage Mains	44074				Clarenza	B	2015	13,863	13,863	2004	POST	606
Sewerage Mains	44075				Clarenza	B	2015	8,087	8,087	2004	POST	353
Sewerage Mains	44079				Clarenza	B	2015	21,026	21,026	2004	POST	919
Sewerage Mains	44098				Clarenza	B	2015	20,679	20,679	2004	POST	903
Sewerage Mains	44099				Clarenza	B	2015	30,348	30,348	2004	POST	1,326
Sewerage Mains	44100				Clarenza	B	2015	14,264	14,264	2004	POST	623
Sewerage Mains	44005				Clarenza	B	2015	4,713	4,713	2004	POST	206
Sewerage Mains	42534				North Grafton	A	2015	43,392	43,392	2004	POST	2,017
Sewerage Mains	42539				North Grafton	A	2015	24,477	24,477	2004	POST	1,138
Sewerage Mains	42538				North Grafton	A	2015	35,584	35,584	2004	POST	1,654
Sewerage Mains	44019				Clarenza	B	2015	8,826	8,826	2004	POST	386
Sewerage Mains	44020				Clarenza	B	2015	18,330	18,330	2004	POST	801
Sewerage Mains	44021				Clarenza	B	2015	19,666	19,666	2004	POST	859
Sewerage Mains	44022				Clarenza	B	2015	22,842	22,842	2004	POST	998
Sewerage Mains	44023				Clarenza	B	2015	15,873	15,873	2004	POST	693
Sewerage Mains	44024				Clarenza	B	2015	8,410	8,410	2004	POST	367
Sewerage Mains	44025				Clarenza	B	2015	9,711	9,711	2004	POST	424
Sewerage Mains	44026				Clarenza	B	2015	11,714	11,714	2004	POST	512
Sewerage Mains	44027				Clarenza	B	2015	5,776	5,776	2004	POST	252
Sewerage Mains	44028				Clarenza	B	2015	11,969	11,969	2004	POST	523
Sewerage Mains	44029				Clarenza	B	2015	15,629	15,629	2004	POST	683
Sewerage Mains	44030				Clarenza	B	2015	11,206	11,206	2004	POST	490
Sewerage Mains	44031				Clarenza	B	2015	11,714	11,714	2004	POST	512
Sewerage Mains	44032				Clarenza	B	2015	14,903	14,903	2004	POST	651
Sewerage Mains	44033				Clarenza	B	2015	18,484	18,484	2004	POST	808
Sewerage Mains	44035				Clarenza	B	2015	4,113	4,113	2004	POST	180
Sewerage Mains	44002				Clarenza	B	2015	8,688	8,688	2004	POST	380
Sewerage Mains	44003				Clarenza	B	2015	9,742	9,742	2004	POST	426
Sewerage Mains	44004				Clarenza	B	2015	3,793	3,793	2004	POST	166
Sewerage Mains	44036				Clarenza	B	2015	7,994	7,994	2004	POST	349
Sewerage Mains	42646				Clarenza	B	2015	8,780	8,780	2004	POST	384
Sewerage Mains	44133				Clarenza	B	2015	5,591	5,591	2004	POST	244
Sewerage Mains	44134				Clarenza	B	2015	8,376	8,376	2004	POST	366
Sewerage Mains	44135				Clarenza	B	2015	5,846	5,846	2004	POST	255
Sewerage Mains	44136				Clarenza	B	2015	12,130	12,130	2004	POST	530
Sewerage Mains	44137				Clarenza	B	2015	1,063	1,063	2004	POST	46
Sewerage Mains	44138				Clarenza	B	2015	5,037	5,037	2004	POST	220
Sewerage Mains	46485				North Grafton	A	2015	4,136	4,136	2004	POST	192
Sewerage Mains	46486				North Grafton	A	2015	5,060	5,060	2004	POST	235
Sewerage Mains	46487				North Grafton	A	2015	3,928	3,928	2004	POST	183
Sewerage Mains	46488				North Grafton	A	2015	4,321	4,321	2004	POST	201
Sewerage Mains	46489				North Grafton	A	2015	5,060	5,060	2004	POST	235
Sewerage Mains	46490				North Grafton	A	2015	11,530	11,530	2004	POST	536
Sewerage Mains	46491				North Grafton	A	2015	6,070	6,070	2004	POST	282
Sewerage Mains	46492				North Grafton	A	2015	13,657	13,657	2004	POST	635

Asset Category	Asset ID	Asset Name	Segment Name	Description	Development Area Name	Development Area	Valuation Year	Gross (2015\$)	Gross (2015\$) - Adjusted	Construction Year	Pre or Post 1996 Asset	Capital Charge (2016\$)
Sewerage Mains	46493				North Grafton	A	2015	1,396	1,396	2004	POST	65
Sewerage Mains	44103				North Grafton	A	2015	6,469	6,469	2004	POST	301
Sewerage Mains	44104				North Grafton	A	2015	10,397	10,397	2004	POST	483
Sewerage Mains	46364				North Grafton	A	2015	2,357	2,357	2004	POST	110
Sewerage Mains	46480				North Grafton	A	2015	4,852	4,852	2004	POST	226
Sewerage Mains	46481				North Grafton	A	2015	8,318	8,318	2004	POST	387
Sewerage Mains	46482				North Grafton	A	2015	12,246	12,246	2004	POST	569
Sewerage Mains	46483				North Grafton	A	2015	14,418	14,418	2004	POST	670
Sewerage Mains	46484				North Grafton	A	2015	1,040	1,040	2004	POST	48
Sewerage Mains	45227				Yamba	E	2015	6,262	6,262	2005	POST	433
Sewerage Mains	45228				Yamba	E	2015	4,182	4,182	2005	POST	289
Sewerage Mains	45229				Yamba	E	2015	7,486	7,486	2005	POST	518
Sewerage Mains	45230				Yamba	E	2015	4,113	4,113	2005	POST	284
Sewerage Mains	45310				Yamba	E	2015	6,707	6,707	2005	POST	464
Sewerage Mains	45311				Yamba	E	2015	26,767	26,767	2005	POST	1,851
Sewerage Mains	45312				Yamba	E	2015	4,159	4,159	2005	POST	288
Sewerage Mains	45313				Yamba	E	2015	8,341	8,341	2005	POST	577
Sewerage Mains	45314				Yamba	E	2015	6,308	6,308	2005	POST	436
Sewerage Mains	45315				Yamba	E	2015	27,374	27,374	2005	POST	1,893
Sewerage Mains	45316				Yamba	E	2015	5,311	5,311	2005	POST	367
Sewerage Mains	45317				Yamba	E	2015	5,753	5,753	2005	POST	398
Sewerage Mains	45318				Yamba	E	2015	8,664	8,664	2005	POST	599
Sewerage Mains	45319				Yamba	E	2015	27,313	27,313	2005	POST	1,888
Sewerage Mains	45320				Yamba	E	2015	4,159	4,159	2005	POST	288
Sewerage Mains	45321				Yamba	E	2015	3,512	3,512	2005	POST	243
Sewerage Mains	45322				Yamba	E	2015	6,469	6,469	2005	POST	447
Sewerage Mains	45323				Yamba	E	2015	10,883	10,883	2005	POST	752
Sewerage Mains	45324				Yamba	E	2015	6,192	6,192	2005	POST	428
Sewerage Mains	45325				Yamba	E	2015	36,605	36,605	2005	POST	2,531
Sewerage Mains	45326				Yamba	E	2015	19,010	19,010	2005	POST	1,314
Sewerage Mains	45327				Yamba	E	2015	2,515	2,515	2005	POST	174
Sewerage Mains	46449				North Grafton	A	2015	7,587	7,587	2005	POST	353
Sewerage Mains	46822				North Grafton	A	2015	4,067	4,067	2005	POST	189
Sewerage Mains	44111				North Grafton	A	2015	8,734	8,734	2005	POST	406
Sewerage Mains	44112				North Grafton	A	2015	13,778	13,778	2005	POST	640
Sewerage Mains	44113				North Grafton	A	2015	10,591	10,591	2005	POST	492
Sewerage Mains	44114				North Grafton	A	2015	22,700	22,700	2005	POST	1,055
Sewerage Mains	44115				North Grafton	A	2015	8,503	8,503	2005	POST	395
Sewerage Mains	44116				North Grafton	A	2015	6,308	6,308	2005	POST	293
Sewerage Mains	44117				North Grafton	A	2015	10,804	10,804	2005	POST	502
Sewerage Mains	44118				North Grafton	A	2015	4,916	4,916	2005	POST	229
Sewerage Mains	44119				North Grafton	A	2015	6,616	6,616	2005	POST	308
Sewerage Mains	44120				North Grafton	A	2015	15,795	15,795	2005	POST	734
Sewerage Mains	44121				North Grafton	A	2015	23,794	23,794	2005	POST	1,106
Sewerage Mains	44122				North Grafton	A	2015	15,265	15,265	2005	POST	710
Sewerage Mains	44123				North Grafton	A	2015	8,831	8,831	2005	POST	410
Sewerage Mains	44124				North Grafton	A	2015	17,905	17,905	2005	POST	832

Asset Category	Asset ID	Asset Name	Segment Name	Description	Development Area Name	Development Area	Valuation Year	Gross (2015\$)	Gross (2015\$) - Adjusted	Construction Year	Pre or Post 1996 Asset	Capital Charge (2016\$)
Sewerage Mains	44125				North Grafton	A	2015	21,668	21,668	2005	POST	1,007
Sewerage Mains	44126				North Grafton	A	2015	6,932	6,932	2005	POST	322
Sewerage Mains	44127				North Grafton	A	2015	1,487	1,487	2005	POST	69
Sewerage Mains	42623				North Grafton	A	2015	3,617	3,617	2005	POST	168
Sewerage Mains	44102				North Grafton	A	2015	2,610	2,610	2005	POST	121
Sewerage Mains	46442				Yamba	E	2015	25,967	25,967	2005	POST	1,795
Sewerage Mains	46443				Yamba	E	2015	12,731	12,731	2005	POST	880
Sewerage Mains	46444				Yamba	E	2015	5,568	5,568	2005	POST	385
Sewerage Mains	46445				Yamba	E	2015	3,789	3,789	2005	POST	262
Sewerage Mains	46446				Yamba	E	2015	6,192	6,192	2005	POST	428
Sewerage Mains	46447				Yamba	E	2015	6,525	6,525	2005	POST	451
Sewerage Mains	44139				Clarenza	B	2015	231	231	2005	POST	10
Sewerage Mains	44141				North Grafton	A	2015	5,083	5,083	2005	POST	236
Sewerage Mains	44142				North Grafton	A	2015	1,626	1,626	2005	POST	76
Sewerage Mains	44143				North Grafton	A	2015	15,370	15,370	2005	POST	714
Sewerage Mains	44144				North Grafton	A	2015	9,352	9,352	2005	POST	435
Sewerage Mains	44145				North Grafton	A	2015	20,923	20,923	2005	POST	973
Sewerage Mains	44146				North Grafton	A	2015	3,092	3,092	2005	POST	144
Sewerage Mains	44147				North Grafton	A	2015	2,941	2,941	2005	POST	137
Sewerage Mains	44148				North Grafton	A	2015	3,815	3,815	2005	POST	177
Sewerage Mains	44149				North Grafton	A	2015	2,066	2,066	2005	POST	96
Sewerage Mains	44151				North Grafton	A	2015	11,334	11,334	2005	POST	527
Sewerage Mains	46944				Yamba	E	2015	392	392	2005	POST	27
Sewerage Mains	47018				Yamba	E	2015	2,083	2,083	2005	POST	144
Sewerage Mains	46942				Yamba	E	2015	6,888	6,888	2005	POST	476
Sewerage Mains	46831				Clarenza	B	2015	5,430	5,430	2006	POST	237
Sewerage Mains	46597				North Grafton	A	2015	46,917	46,917	2006	POST	2,181
Sewerage Mains	46598				North Grafton	A	2015	25,660	25,660	2006	POST	1,193
Sewerage Mains	46600				North Grafton	A	2015	22,251	22,251	2006	POST	1,034
Sewerage Mains	46601				North Grafton	A	2015	13,256	13,256	2006	POST	616
Sewerage Mains	46602				North Grafton	A	2015	14,298	14,298	2006	POST	665
Sewerage Mains	46603				North Grafton	A	2015	3,693	3,693	2006	POST	172
Sewerage Mains	46604				North Grafton	A	2015	51,265	51,265	2006	POST	2,383
Sewerage Mains	46605				North Grafton	A	2015	49,955	49,955	2006	POST	2,322
Sewerage Mains	46606				North Grafton	A	2015	52,412	52,412	2006	POST	2,436
Sewerage Mains	46607				North Grafton	A	2015	42,530	42,530	2006	POST	1,977
Sewerage Mains	46608				North Grafton	A	2015	26,972	26,972	2006	POST	1,254
Sewerage Mains	46609				North Grafton	A	2015	44,534	44,534	2006	POST	2,070
Sewerage Mains	46614				North Grafton	A	2015	5,545	5,545	2006	POST	258
Sewerage Mains	46615				North Grafton	A	2015	9,499	9,499	2006	POST	442
Sewerage Mains	46616				North Grafton	A	2015	29,195	29,195	2006	POST	1,357
Sewerage Mains	46617				North Grafton	A	2015	18,464	18,464	2006	POST	858
Sewerage Mains	46618				North Grafton	A	2015	23,340	23,340	2006	POST	1,085
Sewerage Mains	46619				North Grafton	A	2015	48,195	48,195	2006	POST	2,240
Sewerage Mains	46669				North Grafton	A	2015	7,916	7,916	2006	POST	368
Sewerage Mains	46670				North Grafton	A	2015	4,734	4,734	2006	POST	220
Sewerage Mains	46671				North Grafton	A	2015	2,236	2,236	2006	POST	104

Asset Category	Asset ID	Asset Name	Segment Name	Description	Development Area Name	Development Area	Valuation Year	Gross (2015\$)	Gross (2015\$) - Adjusted	Construction Year	Pre or Post 1996 Asset	Capital Charge (2016\$)
Sewerage Mains	46672				North Grafton	A	2015	9,677	9,677	2006	POST	450
Sewerage Mains	46673				North Grafton	A	2015	1,830	1,830	2006	POST	85
Sewerage Mains	46952				North Grafton	A	2015	987	987	2006	POST	46
Sewerage Mains	46587				Clarenza	B	2015	17,298	17,298	2006	POST	756
Sewerage Mains	46588				Clarenza	B	2015	4,713	4,713	2006	POST	206
Sewerage Mains	46596				Clarenza	B	2015	2,542	2,542	2007	POST	111
Sewerage Mains	46599				North Grafton	A	2015	2,129	2,129	2007	POST	99
Sewerage Mains	46611				North Grafton	A	2015	5,948	5,948	2007	POST	276
Sewerage Mains	46621				Clarenza	B	2015	5,408	5,408	2007	POST	236
Sewerage Mains	46654				North Grafton	A	2015	6,030	6,030	2007	POST	280
Sewerage Mains	46703				Woodford Island	D	2015	10,051	10,051	2007	POST	622
Sewerage Mains	46704				Woodford Island	D	2015	1,386	1,386	2007	POST	86
Sewerage Mains	46708				Clarenza	B	2015	5,167	5,167	2007	POST	226
Sewerage Mains	46709				North Grafton	A	2015	1,525	1,525	2007	POST	71
Sewerage Mains	46774				North Grafton	A	2015	20,395	20,395	2008	POST	948
Sewerage Mains	46816				North Grafton	A	2015	8,224	8,224	2008	POST	382
Sewerage Mains	46806				North Grafton	A	2015	24,036	24,036	2008	POST	1,117
Sewerage Mains	46829				Clarenza	B	2015	6,077	6,077	2009	POST	265
Sewerage Mains	41202				Clarenza	B	2015	16,144	16,144	2009	POST	705
Sewerage Mains	46897				North Grafton	A	2015	9,519	9,519	2010	POST	442
Sewerage Mains	46898				North Grafton	A	2015	8,156	8,156	2010	POST	379
Sewerage Mains	46900				North Grafton	A	2015	1,479	1,479	2010	POST	69
Sewerage Mains	46901				North Grafton	A	2015	8,133	8,133	2010	POST	378
Sewerage Mains	46902				North Grafton	A	2015	10,998	10,998	2010	POST	511
Sewerage Mains	46930				Woodford Island	D	2015	11,091	11,091	2010	POST	687
Sewerage Mains	46931				Woodford Island	D	2015	1,964	1,964	2010	POST	122
Sewerage Mains	46932				Woodford Island	D	2015	4,159	4,159	2010	POST	258
Sewerage Mains	46933				Woodford Island	D	2015	5,638	5,638	2010	POST	349
Sewerage Mains	46934				Woodford Island	D	2015	14,931	14,931	2010	POST	925
Sewerage Mains	46935				Woodford Island	D	2015	32,529	32,529	2010	POST	2,015
Sewerage Mains	46936				Woodford Island	D	2015	69,229	69,229	2010	POST	4,288
Sewerage Mains	46937				Woodford Island	D	2015	38,553	38,553	2010	POST	2,388
Sewerage Mains	46938				Woodford Island	D	2015	49,582	49,582	2010	POST	3,071
Sewerage Mains	46939				Woodford Island	D	2015	50,974	50,974	2010	POST	3,157
Sewerage Mains	46940				Woodford Island	D	2015	155,699	155,699	2010	POST	9,643
Sewerage Mains	46941				Woodford Island	D	2015	112,964	112,964	2010	POST	6,996
Sewerage Mains	46945				Woodford Island	D	2015	104,109	104,109	2010	POST	6,448
Sewerage Mains	46948				Woodford Island	D	2015	104,084	104,084	2010	POST	6,446
Sewerage Mains	46949				Woodford Island	D	2015	14,140	14,140	2010	POST	876
Sewerage Mains	46955				Clarenza	B	2015	25,605	25,605	2010	POST	1,119
Sewerage Mains	46956				Clarenza	B	2015	2,457	2,457	2010	POST	107
Sewerage Mains	46957				Clarenza	B	2015	21,620	21,620	2010	POST	945
Sewerage Mains	46958				Clarenza	B	2015	18,984	18,984	2010	POST	829
Sewerage Mains	46959				Clarenza	B	2015	18,890	18,890	2010	POST	825
Sewerage Mains	46960				Clarenza	B	2015	20,637	20,637	2010	POST	902
Sewerage Mains	46961				Clarenza	B	2015	3,607	3,607	2010	POST	158
Sewerage Mains	46962				Clarenza	B	2015	5,044	5,044	2010	POST	220

Asset Category	Asset ID	Asset Name	Segment Name	Description	Development Area Name	Development Area	Valuation Year	Gross (2015\$)	Gross (2015\$) - Adjusted	Construction Year	Pre or Post 1996 Asset	Capital Charge (2016\$)
Sewerage Mains	46963				Clarenza	B	2015	52,579	52,579	2010	POST	2,297
Sewerage Mains	46964				Clarenza	B	2015	43,867	43,867	2010	POST	1,916
Sewerage Mains	46965				Clarenza	B	2015	9,263	9,263	2010	POST	405
Sewerage Mains	46966				Clarenza	B	2015	57,057	57,057	2010	POST	2,493
Sewerage Mains	46967				Clarenza	B	2015	49,721	49,721	2010	POST	2,172
Sewerage Mains	46968				Clarenza	B	2015	45,201	45,201	2010	POST	1,975
Sewerage Mains	46970				Woodford Island	D	2015	10,318	10,318	2010	POST	639
Sewerage Mains	46971				Woodford Island	D	2015	16,497	16,497	2010	POST	1,022
Sewerage Mains	46972				Woodford Island	D	2015	16,388	16,388	2010	POST	1,015
Sewerage Mains	46973				Woodford Island	D	2015	24,127	24,127	2010	POST	1,494
Sewerage Mains	46974				Woodford Island	D	2015	18,573	18,573	2010	POST	1,150
Sewerage Mains	46975				Woodford Island	D	2015	10,767	10,767	2010	POST	667
Sewerage Mains	46976				Woodford Island	D	2015	8,164	8,164	2010	POST	506
Sewerage Mains	46977				Woodford Island	D	2015	27,572	27,572	2010	POST	1,708
Sewerage Mains	46978				Woodford Island	D	2015	11,021	11,021	2010	POST	683
Sewerage Mains	46979				Woodford Island	D	2015	9,542	9,542	2010	POST	591
Sewerage Mains	46980				Woodford Island	D	2015	10,622	10,622	2010	POST	658
Sewerage Mains	46981				Woodford Island	D	2015	19,544	19,544	2010	POST	1,210
Sewerage Mains	46982				Woodford Island	D	2015	1,228,486	1,228,486	2010	POST	76,084
Sewerage Mains	46983				Woodford Island	D	2015	12,807	12,807	2010	POST	793
Sewerage Mains	46984				Woodford Island	D	2015	7,132	7,132	2010	POST	442
Sewerage Mains	46985				Woodford Island	D	2015	8,710	8,710	2010	POST	539
Sewerage Mains	46986				Woodford Island	D	2015	9,797	9,797	2010	POST	607
Sewerage Mains	46987				Woodford Island	D	2015	12,928	12,928	2010	POST	801
Sewerage Mains	46988				Woodford Island	D	2015	18,118	18,118	2010	POST	1,122
Sewerage Mains	46989				Woodford Island	D	2015	8,194	8,194	2010	POST	507
Sewerage Mains	46990				Woodford Island	D	2015	17,511	17,511	2010	POST	1,085
Sewerage Mains	46991				Woodford Island	D	2015	18,167	18,167	2010	POST	1,125
Sewerage Mains	46992				Woodford Island	D	2015	11,745	11,745	2010	POST	727
Sewerage Mains	46993				Woodford Island	D	2015	11,472	11,472	2010	POST	710
Sewerage Mains	46994				Woodford Island	D	2015	17,663	17,663	2010	POST	1,094
Sewerage Mains	46995				Woodford Island	D	2015	20,090	20,090	2010	POST	1,244
Sewerage Mains	46996				Woodford Island	D	2015	15,226	15,226	2010	POST	943
Sewerage Mains	47004				Woodford Island	D	2015	10,691	10,691	2010	POST	662
Sewerage Mains	47005				Woodford Island	D	2015	2,549	2,549	2010	POST	158
Sewerage Mains	47006				Woodford Island	D	2015	10,470	10,470	2010	POST	648
Sewerage Mains	47007				Woodford Island	D	2015	13,930	13,930	2010	POST	863
Sewerage Mains	47008				Woodford Island	D	2015	19,817	19,817	2010	POST	1,227
Sewerage Mains	47009				Woodford Island	D	2015	30,651	30,651	2010	POST	1,898
Sewerage Mains	47010				Woodford Island	D	2015	2,640	2,640	2010	POST	164
Sewerage Mains	47011				Woodford Island	D	2015	10,531	10,531	2010	POST	652
Sewerage Mains	47012				Woodford Island	D	2015	18,937	18,937	2010	POST	1,173
Sewerage Mains	47013				Woodford Island	D	2015	3,460	3,460	2010	POST	214
Sewerage Mains	47014				Woodford Island	D	2015	14,779	14,779	2010	POST	915
Sewerage Mains	47015				Woodford Island	D	2015	17,602	17,602	2010	POST	1,090
Sewerage Mains	47017				Woodford Island	D	2015	13,899	13,899	2010	POST	861
Sewerage Mains	46903				North Grafton	A	2015	6,493	6,493	2010	POST	302

Asset Category	Asset ID	Asset Name	Segment Name	Description	Development Area Name	Development Area	Valuation Year	Gross (2015\$)	Gross (2015\$) - Adjusted	Construction Year	Pre or Post 1996 Asset	Capital Charge (2016\$)
Sewerage Mains	46904				North Grafton	A	2015	8,641	8,641	2010	POST	402
Sewerage Mains	46905				North Grafton	A	2015	9,519	9,519	2010	POST	442
Sewerage Mains	46906				North Grafton	A	2015	3,812	3,812	2010	POST	177
Sewerage Mains	46907				North Grafton	A	2015	5,014	5,014	2010	POST	233
Sewerage Mains	46908				North Grafton	A	2015	8,156	8,156	2010	POST	379
Sewerage Mains	46909				North Grafton	A	2015	2,311	2,311	2010	POST	107
Sewerage Mains	46910				North Grafton	A	2015	5,129	5,129	2010	POST	238
Sewerage Mains	46911				North Grafton	A	2015	8,988	8,988	2010	POST	418
Sewerage Mains	46912				North Grafton	A	2015	12,473	12,473	2010	POST	580
Sewerage Mains	46913				North Grafton	A	2015	7,994	7,994	2010	POST	372
Sewerage Mains	46914				North Grafton	A	2015	6,285	6,285	2010	POST	292
Sewerage Mains	46915				North Grafton	A	2015	9,317	9,317	2010	POST	433
Sewerage Mains	46916				North Grafton	A	2015	14,931	14,931	2010	POST	694
Sewerage Mains	46917				North Grafton	A	2015	14,418	14,418	2010	POST	670
Sewerage Mains	46918				North Grafton	A	2015	21,386	21,386	2010	POST	994
Sewerage Mains	46919				North Grafton	A	2015	23,034	23,034	2010	POST	1,071
Sewerage Mains	46920				North Grafton	A	2015	8,588	8,588	2010	POST	399
Sewerage Mains	46921				North Grafton	A	2015	11,320	11,320	2010	POST	526
Sewerage Mains	46922				North Grafton	A	2015	5,291	5,291	2010	POST	246
Sewerage Mains	46923				North Grafton	A	2015	10,379	10,379	2010	POST	482
Sewerage Mains	46924				North Grafton	A	2015	17,147	17,147	2010	POST	797
Sewerage Mains	46925				North Grafton	A	2015	5,730	5,730	2010	POST	266
Sewerage Mains	47022				North Grafton	A	2015	1,062	1,062	2010	POST	49
Sewerage Mains	47023				North Grafton	A	2015	739	739	2010	POST	34
Sewerage Mains	39203				North Grafton	A	2015	5,083	5,083	1986	PRE	236
Sewermain	APV-CVC-ILUKASM-001	Ebbtide Release	Recycled Water Transfer main		Iluka	F	2015	216,985	216,985	2013	POST	16,144
Sewermain	APV-CVC-ILUKASM-002	Ebbtide Release	Submarine main		Iluka	F	2015	3,851,877	3,851,877	2013	POST	286,591
Sewermain	APV-CVC-ILUKASM-003	Recycled Water Main	Golf course Transfer system		Iluka	F	2015	49,959	49,959	2013	POST	3,717
Sewermain	APV-CVC-ILUKASM-004	Recycled Water Main	Playing Field and Ebb tide release Transfer Main		Iluka	F	2015	1,118,598	1,118,598	2013	POST	83,227
Sewermain	APV-CVC-ILUKASM-006	Domestic Reuse main	Domestic Reuse main		Iluka	F	2015	1,134,764	1,134,764	2013	POST	84,430
Sewermain	47038				Clarenza	B		480.7	480.7	2011	POST	21
Sewermain	47040				Clarenza	B		683.1	683.1	2011	POST	30
Sewermain	47039				Clarenza	B		748.88	748.88	2011	POST	33
Sewermain	47041				Clarenza	B		531.3	531.3	2011	POST	23
Sewermain	47042				Clarenza	B		543.95	543.95	2011	POST	24
Sewermain	47045				Clarenza	B		414.92	414.92	2011	POST	18
Sewermain	47111				North Grafton	A		506	506	2014	POST	24
Sewermain	47046				Clarenza	B		430.1	430.1	2011	POST	19
Sewermain	47105				North Grafton	A		465.52	465.52	2013	POST	22
Sewermain	47047				Clarenza	B		597.08	597.08	2011	POST	26
Sewermain	47048				Clarenza	B		488.29	488.29	2011	POST	21
Sewermain	47049				Clarenza	B		521.18	521.18	2011	POST	23
Sewermain	47050				Clarenza	B		617.32	617.32	2011	POST	27
Sewermain	47059				Woodford Island	D		741.29	741.29	2012	POST	46
Sewermain	47060				Woodford Island	D		824.78	824.78	2012	POST	51
Sewermain	47057				Yamba	E		7694.4	7694.4	2010	POST	532
Sewermain	47058				Yamba	E		8992.2	8992.2	2010	POST	622

Table 14-5 Existing Rising Mains (contributing to Capital Charge)

Asset Category	Asset ID	Asset Name	Segment Name	Description	Development Area Name	Development Area	Valuation Year	Gross (2015\$)	Gross (2015\$) - Adjusted	Construction Year	Pre or Post 1996 Asset	Capital Charge (2016\$)
Rising Mains	49	3AN			North Grafton	A	2015	34,990	34,990	1987	PRE	1,626
Rising Mains	73	5BN			North Grafton	A	2015	65,191	65,191	1995	PRE	3,030
Rising Mains	82	1CN			North Grafton	A	2015	30,736	30,736	2002	POST	1,429
Rising Mains	67	AW3			Yamba	E	2015	246,262	246,262	1994	PRE	17,026
Sewermain	APV-CVC-ILUKASM-005	Pressure Sewer Main	Pressure Sewer Reticulation Main		Iluka	F	2015	5,046,473	5,046,473	2013	POST	375,473
Rising Mains	54	2S			Clarenza	B	2015	64,450	64,450	1987	PRE	2,816
Sewermain	APV-CVC-ILUKASM-007	Pressure Sewer Main	Pressure Sewermain Slipway		Iluka	F	2015	42,412	42,412	2013	POST	3,156
Rising Mains	46	3S			Clarenza	B	2015	324,267	324,267	1987	PRE	14,167
Rising Mains	92	JH3			North Grafton	A	2015	182,186	182,186	2006	POST	8,469
Rising Mains	72	JH2A			North Grafton	A	2015	19,637	19,637	1995	PRE	913
Rising Mains	53	5N			North Grafton	A	2015	70,616	70,616	1987	PRE	3,282
Rising Mains	44	JH3C			North Grafton	A	2015	15,928	15,928	2013	POST	740
Rising Mains	51	7N			North Grafton	A	2015	267,481	267,481	1987	PRE	12,433
Rising Mains	103	M1			Woodford Island	D	2015	2,286,718	2,286,718	2010	POST	141,624
Rising Mains	70	CL1			Clarenza	B	2015	29,394	29,394	1995	PRE	1,284
Rising Mains	105	11S			Clarenza	B	2015	1,062,332	1,062,332	2010	POST	46,411
Rising Mains	106	11S			Clarenza	B	2015	814,132	814,132	2010	POST	35,568
Rising Mains	48	3BN			North Grafton	A	2015	76,504	76,504	1987	PRE	3,556
Rising Mains	62	8N			North Grafton	A	2015	16,505	16,505	1993	PRE	767
Rising Mains	83	JH4			North Grafton	A	2015	111,859	111,859	2003	POST	5,200
Rising Mains	59	JH3B			North Grafton	A	2015	30,113	30,113	1991	PRE	1,400
Rising Mains	52	1S			Clarenza	B	2015	1,377,129	1,377,129	1987	PRE	60,164
Rising Mains	97	YP5			Yamba	E	2015	2,014	2,014	2008	POST	139
Rising Mains	78	11BS			Clarenza	B	2015	14,269	14,269	2000	POST	623
Rising Mains	108	Nth G Recycled H2O			North Grafton	A	2015	92,753	92,753	2010	POST	4,311
Rising Mains	60	11AS			Clarenza	B	2015	12,018	12,018	1991	PRE	525
Rising Mains	58	2BN			Clarenza	B	2015	43,012	43,012	1991	PRE	1,879
Rising Mains	79	4AN			North Grafton	A	2015	31,628	31,628	2001	POST	1,470
Rising Mains	87	4AN			North Grafton	A	2015	199	199	2005	POST	9
Rising Mains	84	JH4A			North Grafton	A	2015	25,740	25,740	2004	POST	1,196
Rising Mains	68	AW1			Yamba	E	2015	129,497	129,497	1994	PRE	8,953
Rising Mains	69	AW1, AW3			Yamba	E	2015	1,244,984	1,244,984	1994	PRE	86,076
Rising Mains	63	AW2			Yamba	E	2015	58,681	58,681	1994	PRE	4,057
Rising Mains	115	PS21			Woodford Island	D	2015	121,591	121,591	2010	POST	7,531
Rising Mains	104	PS8			Woodford Island	D	2015	4,553,789	4,553,789	2010	POST	282,031
Rising Mains	100	PS11			Woodford Island	D	2015	1,495,720	1,495,720	2010	POST	92,635
Rising Mains	47	1AN			North Grafton	A	2015	429,388	429,388	1987	PRE	19,959
Rising Mains	85	CL4			Clarenza	B	2015	123,030	123,030	2005	POST	5,375
Rising Mains	101	PS10			Woodford Island	D	2015	1,354,649	1,354,649	2010	POST	83,898
Rising Mains	71	CL2			Clarenza	B	2015	39,246	39,246	1995	PRE	1,715
Rising Mains	109	PS21			Woodford Island	D	2015	7,906,660	7,906,660	2010	POST	489,685

Asset Category	Asset ID	Asset Name	Segment Name	Description	Development Area Name	Development Area	Valuation Year	Gross (2015\$)	Gross (2015\$) - Adjusted	Construction Year	Pre or Post 1996 Asset	Capital Charge (2016\$)
Rising Mains	61	12AS			Clarenza	B	2015	13,964	13,964	1992	PRE	610
Rising Mains	55	Effluent Ponds			North Grafton	A	2015	333,546	333,546	2013	POST	15,504
Rising Mains	2	JH3A			North Grafton	A	2015	19,051	19,051	2010	POST	886
Rising Mains	65	AW4			Yamba	E	2015	4,952	4,952	1994	PRE	342
Rising Mains	50	3AN			North Grafton	A	2015	312,388	312,388	1987	PRE	14,521
Rising Mains	81	3AN			North Grafton	A	2015	20,486	20,486	2002	POST	952
Rising Mains	86	9N			North Grafton	A	2015	21,127	21,127	2005	POST	982
Rising Mains	117	Y25			Yamba	E	2015	10,374	10,374	2011	POST	717
Rising Mains	57	2AS			Clarenza	B	2015	65,183	65,183	1990	PRE	2,848
Rising Mains	98	11S			Clarenza	B	2015	3,062,796	3,062,796	2010	POST	133,808
Rising Mains	102	PS9			Woodford Island	D	2015	3,893,596	3,893,596	2010	POST	241,143
Rising Mains	66	AW6			Yamba	E	2015	12,379	12,379	1994	PRE	856
Rising Mains	94	JH1			North Grafton	A	2015	2,623	2,623	2006	POST	122
Rising Mains	95	SPS No1 & SPS No2			North Grafton	A	2015	2,354,333	2,354,333	2006	POST	109,436
Rising Mains	64	AW5			Yamba	E	2015	12,507	12,507	1994	PRE	865
Rising Mains	93	JH2			North Grafton	A	2015	425,243	425,243	2006	POST	19,767
Rising Mains	80	3DN			North Grafton	A	2015	27,774	27,774	2002	POST	1,291
Rising Mains	74	CL3			Clarenza	B	2015	231,678	231,678	1998	POST	10,122
Rising Mains	75	M4			Woodford Island	D	2015	20,962	20,962	1999	POST	1,298
Rising Mains	88	2AN			North Grafton	A	2015	23,829	23,829	2005	POST	1,108
Rising Mains	91	Y26			Yamba	E	2015	68,190	68,190	2006	POST	4,715
Rising Mains	116	River Release Line			Woodford Island	D	2015	2,250,230	2,250,230	2010	POST	139,364
Rising Mains	114	PS8			Woodford Island	D	2015	485,349	485,349	2010	POST	30,059
Rising Mains	0	MP4			Woodford Island	D	2015	11,438	11,438	1999	POST	708

Table 14-6 Existing Effluent Release & Ebbtide Release (contributing to Capital Charge)

Asset Category	Asset ID	Asset Name	Segment Name	Description	Development Area Name	Development Area	Valuation Year	Gross (2015\$)	Gross (2015\$) - Adjusted	Construction Year	Pre or Post 1996 Asset	Capital Charge (2016\$)
Iluka Effluent Reuse & Ebbtide Release	APV-CVC-ILUKAER-001	Golf Course	Balance Tank	Structure	Iluka	F	2015	85,416	85,416	2013	POST	6,355
Iluka Effluent Reuse & Ebbtide Release	APV-CVC-ILUKAER-002	Golf Course	Balance Tank	Pipework & Fitting	Iluka	F	2015	7,491	7,491	2013	POST	557
Iluka Effluent Reuse & Ebbtide Release	APV-CVC-ILUKAER-003	Golf Course	Balance Tank	Level Instrumentation	Iluka	F	2015	1,779	1,779	2013	POST	132
Iluka Effluent Reuse & Ebbtide Release	APV-CVC-ILUKAER-004	Golf Course	Pump Station	PLC & SCADA	Iluka	F	2015	7,947	7,947	2013	POST	591
Iluka Effluent Reuse & Ebbtide Release	APV-CVC-ILUKAER-005	Golf Course	Pump Station	Main Switch	Iluka	F	2015	24,512	24,512	2013	POST	1,824
Iluka Effluent Reuse & Ebbtide Release	APV-CVC-ILUKAER-006	Golf Course	Pump Station	Booster Pump 1	Iluka	F	2015	16,632	16,632	2013	POST	1,237
Iluka Effluent Reuse & Ebbtide Release	APV-CVC-ILUKAER-007	Golf Course	Pump Station	Booster Pump 2	Iluka	F	2015	16,632	16,632	2013	POST	1,237
Iluka Effluent Reuse & Ebbtide Release	APV-CVC-ILUKAER-008	Golf Course	Pump Station	Booster Pump 3	Iluka	F	2015	16,632	16,632	2013	POST	1,237
Iluka Effluent Reuse & Ebbtide Release	APV-CVC-ILUKAER-009	Golf Course	Pump Station	Jacking Pump	Iluka	F	2015	8,870	8,870	2013	POST	660
Iluka Effluent Reuse & Ebbtide Release	APV-CVC-ILUKAER-010	Golf Course	Pump Station	Electrical Control Panels	Iluka	F	2015	105,565	105,565	2013	POST	7,854
Iluka Effluent Reuse & Ebbtide Release	APV-CVC-ILUKAER-011	Golf Course	Pump Station	Moisture Sensor System	Iluka	F	2015	40,855	40,855	2013	POST	3,040
Iluka Effluent Reuse & Ebbtide Release	APV-CVC-ILUKAER-012	Golf Course	Pump Station	Filtration System	Iluka	F	2015	107,238	107,238	2013	POST	7,979
Iluka Effluent Reuse & Ebbtide Release	APV-CVC-ILUKAER-013	Golf Course	Pump Station	Pulse Flow Meter	Iluka	F	2015	10,028	10,028	2013	POST	746
Iluka Effluent Reuse & Ebbtide Release	APV-CVC-ILUKAER-014	Golf Course	Pump Station	Pressure Reducing Valve	Iluka	F	2015	8,870	8,870	2013	POST	660
Iluka Effluent Reuse & Ebbtide Release	APV-CVC-ILUKAER-015	Golf Course	Pump Station	Pipework & Fitting	Iluka	F	2015	34,967	34,967	2013	POST	2,602
Iluka Effluent Reuse & Ebbtide Release	APV-CVC-ILUKAER-016	Golf Course	Irrigation System	Pipework & Fitting	Iluka	F	2015	849,627	849,627	2013	POST	63,215
Iluka Effluent Reuse & Ebbtide Release	APV-CVC-ILUKAER-017	Golf Course	Pump Station	Electrical Supply	Iluka	F	2015	67,059	67,059	2013	POST	4,989
Iluka Effluent Reuse & Ebbtide Release	APV-CVC-ILUKAER-018	Golf Course	Pump Station	Telemetry	Iluka	F	2015	6,685	6,685	2013	POST	497
Iluka Effluent Reuse & Ebbtide Release	APV-CVC-ILUKAER-019	Playing Fields	Balance Tank	Structure	Iluka	F	2015	77,569	77,569	2013	POST	5,771
Iluka Effluent Reuse & Ebbtide Release	APV-CVC-ILUKAER-020	Playing Fields	Balance Tank	Pipework & Fitting	Iluka	F	2015	5,645	5,645	2013	POST	420
Iluka Effluent Reuse & Ebbtide Release	APV-CVC-ILUKAER-021	Playing Fields	Balance Tank	Level Instrumentation	Iluka	F	2015	2,228	2,228	2013	POST	166
Iluka Effluent Reuse & Ebbtide Release	APV-CVC-ILUKAER-022	Playing Fields	Balance Tank	Control Valve Actuator	Iluka	F	2015	8,356	8,356	2013	POST	622
Iluka Effluent Reuse & Ebbtide Release	APV-CVC-ILUKAER-023	Playing Fields	Pump Station	Main Switch & Power Supply	Iluka	F	2015	46,255	46,255	2013	POST	3,442
Iluka Effluent Reuse & Ebbtide Release	APV-CVC-ILUKAER-024	Playing Fields	Pump Station	Telemetry	Iluka	F	2015	6,685	6,685	2013	POST	497
Iluka Effluent Reuse & Ebbtide Release	APV-CVC-ILUKAER-025	Playing Fields	Irrigation System	Pipework & Fitting	Iluka	F	2015	102,465	102,465	2013	POST	7,624
Iluka Effluent Reuse & Ebbtide Release	APV-CVC-ILUKAER-026	Playing Fields	Pump Station	Electrical Supply	Iluka	F	2015	39,891	39,891	2013	POST	2,968
Iluka Effluent Reuse & Ebbtide Release	APV-CVC-ILUKAER-027	Playing Fields	Pump Station	Electrical Control Panels	Iluka	F	2015	48,079	48,079	2013	POST	3,577

Table 14-7 Existing Sewerage Fittings (contributing to Capital Charge)

Asset Category	Asset ID	Asset Name	Segment Name	Description	Development Area Name	Development Area	Valuation Year	Gross (2015\$)	Gross (2015\$) - Adjusted	Construction Year	Pre or Post 1996 Asset	Capital Charge (2016\$)
Sewerage Fittings	APV-CVC-ILUKASF-001	Ebb Tide Release	River bed diffuser system		Iluka	F	2015	1,560,322	1,560,322	2013	POST	116,093
Sewerage Fittings	APV-CVC-ILUKASF-002	Ebb Tide Release	Marine Buoy		Iluka	F	2015	55,037	55,037	2013	POST	4,095
Sewerage Fittings	APV-CVC-ILUKASF-004	Ebb Tide Release	Cathodic Protection		Iluka	F	2015	38,606	38,606	2013	POST	2,872
Sewerage Fittings	APV-CVC-ILUKASF-004	Ebb Tide Release	Ebb Tide Release Valve Pit	Structure	Iluka	F	2015	34,071	34,071	2013	POST	2,535
Sewerage Fittings	APV-CVC-ILUKASF-005	Ebb Tide Release	Ebb Tide Release Valve Pit	Control Valve Actuator	Iluka	F	2015	10,028	10,028	2013	POST	746
Sewerage Fittings	APV-CVC-ILUKASF-006	Ebb Tide Release	Ebb Tide Release Valve Pit	Flow Meter	Iluka	F	2015	13,370	13,370	2013	POST	995

Table 14-8 Existing Sewer Buildings (contributing to Capital Charge)

Asset Category	Asset ID	Asset Name	Segment Name	Description	Development Area Name	Development Area	Valuation Year	Gross (2015\$)	Gross (2015\$) - Adjusted	Construction Year	Pre or Post 1996 Asset	Capital Charge (2016\$)
Sewer Buildings	800859	Armidale Rd, Grafton SPS 3AS			North Grafton	A	2015	13,819	13,819	1987	PRE	642
Sewer Buildings	800861	Banksia St, Grafton SPS 5N			North Grafton	A	2015	29,612	29,612	1996	POST	1,376
Sewer Buildings	800863	Brougham St, Grafton SPS 7N			North Grafton	A	2015	39,812	39,812	1987	PRE	1,851
Sewer Buildings	800864	Clarenza STP Blower room			Clarenza	B	2015	76,331	76,331	1988	PRE	3,335
Sewer Buildings	800865	Clarenza STP Carport back			Clarenza	B	2015	8,686	8,686	1988	PRE	379
Sewer Buildings	800866	Clarenza STP Carport front			Clarenza	B	2015	24,708	24,708	1988	PRE	1,079
Sewer Buildings	800867	Clarenza STP Compressor Shed			Clarenza	B	2015	8,061	8,061	1988	PRE	352
Sewer Buildings	800868	Clarenza STP Control room adjacent to blower room			Clarenza	B	2015	64,515	64,515	1988	PRE	2,819
Sewer Buildings	800869	Clarenza STP Equipment Shed adjacent to carport			Clarenza	B	2015	35,482	35,482	1988	PRE	1,550
Sewer Buildings	800870	Clarenza STP Main office & Control Bdg			Clarenza	B	2015	126,460	126,460	1988	PRE	5,525
Sewer Buildings	800871	Clarenza STP UV control room			Clarenza	B	2015	42,378	30,512	2010	POST	1,333
Sewer Buildings	800872	Clarenza STP UV Shed			Clarenza	B	2015	35,271	25,395	2010	POST	1,109
Sewer Buildings	800880	Crossroads Rd SPS 1S			Clarenza	B	2015	49,749	49,749	1988	PRE	2,173
Sewer Buildings	800886	Kent St SPS 4N			North Grafton	A	2015	35,930	35,930	2012	POST	1,670
Sewer Buildings	800887	Lawrence Sewer Pumping Station SPS 21			Woodford Island	D	2015	7,107	7,107	2015	POST	440
Sewer Buildings	800898	North Grafton Sewerage Treatment Plant _Effluent Pumping Station Switch Room			North Grafton	A	2015	18,809	18,809	2010	POST	874
Sewer Buildings	800899	North Grafton Sewerage Treatment Plant _Humus Tank 1 & 2 pump building			North Grafton	A	2015	9,239	9,239	2010	POST	429
Sewer Buildings	800900	North Grafton Sewerage Treatment Plant _Humus Tank 3 & 4 pump building			North Grafton	A	2015	9,239	9,239	2010	POST	429
Sewer Buildings	800906	North Grafton Sewerage Treatment Plant _UV shed			North Grafton	A	2015	31,981	31,981	2010	POST	1,487
Sewer Buildings	800907	North Grafton Sewerage Treatment Plant _UV Switch Room			North Grafton	A	2015	33,534	33,534	2010	POST	1,559
Sewer Buildings	800917	Rushforth/Tyson St SPS SGA			Clarenza	B	2015	15,848	15,848	2010	POST	692
Sewer Buildings	800920	Summerland / Trenayr Rd Junction Hill SPS JH1			North Grafton	A	2015	10,226	10,226	2006	POST	475
Sewer Buildings	800923	Woodford Island STP Control Room			Woodford Island	D	2015	121,608	121,608	2010	POST	7,532
Sewer Buildings	800924	Woodford Island STP Blower Room			Woodford Island	D	2015	183,678	183,678	2010	POST	11,376
Sewer Buildings	800925	Woodford Island STP Blower Room carport			Woodford Island	D	2015	18,754	18,754	2010	POST	1,162
Sewer Buildings	800926	Woodford Island STP Equipment Shed			Woodford Island	D	2015	27,243	27,243	2010	POST	1,687
Sewer Buildings	800927	Woodford Island STP Equipment Shed Carport			Woodford Island	D	2015	9,081	9,081	2010	POST	562
Sewer Buildings	800928	Woodford Island STP Main Building Office/ Control/ Amenities			Woodford Island	D	2015	327,358	327,358	2010	POST	20,274
Sewer Buildings	800929	Woodford Island STP UV Control Room			Woodford Island	D	2015	13,266	13,266	2010	POST	822
Sewer Buildings	800933	Yamba Sewerage Treatment Plant - Container Storage			Yamba	E	2015	13,600	13,600	1999	POST	940
Sewer Buildings	800934	Yamba Sewerage Treatment Plant - old office bdg			Yamba	E	2015	58,593	58,593	1999	POST	4,051
Sewer Buildings	800935	Yamba Sewerage Treatment Plant - Prefab Bdg near Container Storage			Yamba	E	2015	9,871	9,871	1999	POST	682
Sewer Buildings	800936	Yamba Sewerage Treatment Plant - Storage Shed			Yamba	E	2015	24,216	24,216	1999	POST	1,674
Sewer Buildings	800938	Yamba Sewerage Treatment Plant - Work Shop			Yamba	E	2015	27,419	27,419	1999	POST	1,896
Sewer Buildings	800939	Yamba Sewerage Treatment Plant - Work Shop carport			Yamba	E	2015	5,297	5,297	1999	POST	366
Sewer Buildings	800940	Yamba Sewerage Treatment Plant - Work Shop carport hard stand			Yamba	E	2015	18,508	18,508	1999	POST	1,280
Sewer Buildings	800941	Yamba Sewerage Treatment Plant Caustic Soda Dosing shed			Yamba	E	2015	5,484	5,484	1999	POST	379
Sewer Buildings	800942	Yamba Sewerage Treatment Plant Control room and Alum Pump room			Yamba	E	2015	39,768	39,768	1999	POST	2,750
Sewer Buildings	800943	Yamba Sewerage Treatment Plant Dewatering Shed			Yamba	E	2015	79,984	79,984	2012	POST	5,530
Sewer Buildings	800944	Yamba Sewerage Treatment Plant Main Building Office/ Control/ Amenities			Yamba	E	2015	483,114	483,114	1999	POST	33,402
Sewer Buildings	800952	Blower & Control Building			Iluka	F	2015	574,000	574,000	2013	POST	42,707

Asset Category	Asset ID	Asset Name	Segment Name	Description	Development Area Name	Development Area	Valuation Year	Gross (2015\$)	Gross (2015\$) - Adjusted	Construction Year	Pre or Post 1996 Asset	Capital Charge (2016\$)
Sewer Buildings	800953	UV Shed			Iluka	F	2015	25,328	25,328	2013	POST	1,884
Sewer Buildings	800954	Workshop			Iluka	F	2015	76,632	76,632	2013	POST	5,702
Sewer Buildings	800955	Amenities Building			Iluka	F	2015	639,059	639,059	2013	POST	47,548
Sewer Buildings	800956	Pump Station			Iluka	F	2015	61,500	61,500	2013	POST	4,576
Sewer Buildings	800957	Pump Station			Iluka	F	2015	30,750	30,750	2013	POST	2,288

15. Future Capital Works Program

Future capital works including a description, construction year and MEERA costs are summarised in Table 15-1.

Table 15-1 Future Sewerage Capital Expenditure (contributing to Capital Charge)

Amenity	Asset Name	Development Area Name	Development Area	Construction Year	Gross (2015\$)	Gross (2016\$)	Gross (2016\$) - adjusted	Capital Charge (2016\$)
Subsidised Schemes	Sth Grafton STP - site rehabilitation (Grafton depot)	North Grafton	A	2016	1,173,000	1202325	1,202,325	55,888
Subsidised Schemes	Iluka Sewerage Scheme	Iluka	F	2016	122,000	125050	125,050	9,304
Subsidised Schemes	Yamba STP Augmentation	Yamba	E	2016		41,408,823	41,408,823	2,862,942
Subsidised Schemes	Yamba STP Augmentation	Yamba	E	2017		300000	300,000	20,742
New/Upgraded System Assets	North Grafton - EPA Licence requirements	North Grafton	A	2026	27,235,000	27915875	27,915,875	1,297,610
New/Upgraded System Assets	Solar panels at Clarenza STP (C/Fwd)	Clarenza	B	2016	40,000	41000	41,000	1,791
New/Upgraded System Assets	Solar panels at Woodford Island STP (C/Fwd)	Woodford Island	D	2016	52,000	53300	53,300	3,301
New/Upgraded System Assets	Solar panels at Iluka STP (C/Fwd)	Iluka	F	2016	42,000	43050	43,050	3,203
New/Upgraded System Assets	Upgrade Pump Station 7AN	North Grafton	A	2016	180,000	184500	184,500	8,576

16. Calculation of Capital Charge

A summary of the calculated capital charge per ET is provided in Table 16-1 and Table 16-2.

Table 16-1 Capital Charge per ET, Summary of Calculations

Development Area Name	Development Area	Future Works (\$/ET)	Existing Works (\$/ET)		Total Capital Cost per ET (\$/ET)
			Pre-1996	Post-1996	
Woodford Island	D	17	118	18,690	18,824
Iluka	F	72	0	18,670	18,742
Yamba	E	6,060	0	6,013	12,073
North Grafton	A	3,150	1,198	3,098	7,446
Clarenza	B	8	1,976	4,455	6,438

Table 16-2 Capital Charge per ET, Summary of Agglomeration Calculations

Development Area	Total Capital Charge per ET (\$/ET)	Agglomeration Inspection (70% of \$/ET)	Total ET Growth (ET)	Proportion of Growth	Weighted Capital Charge for Each Location (\$/ET)
D	18,824	13,177	392	53%	10,071
F	18,742		347	47%	8,710
Total for DSP Area A			739		18,781
E	12,073	8,451	906	100%	12,073
Total for DSP Area B			906		12,073
A	7,446	5,213	540	55%	4,095
B	6,438		442	45%	2,898
Total for DSP Area C			982		6,993

17. Calculation of the Reduction Amount

The calculation of the reduction amount is summarised in Table 17-1. The calculation was based on the following inputs:

- Discount Rate of 5% p.a
- Annual Water Supply Charge = \$464
- Annual Water supply OMA Cost = \$413
- Future Operating Profits = \$51.

Table 17-1 Reduction Amount by NPV of Annual Bills Method

Year	Total ETs	New ETs per Year	PV (New ETs) (over 30 years @ 5%)	Cumulative New ETs	Net Operating Results for New ETs	PV (future operating profits) from new ETs over 30 years @ 5%	Reduction Amount (\$/ET)
2015/16	13,785						
2016/17	13,860	75	1,376	75	42,430	766,628	557
2017/18	13,958	98		173	97,945		
2018/19	14,064	106		279	157,894		
2019/20	14,140	77		356	201,400		
2020/21	14,218	77		433	245,182		
2021/22	14,296	78		511	289,241		
2022/23	14,374	78		589	333,581		
2023/24	14,453	79		668	378,201		
2024/25	14,532	79		748	423,106		
2025/26	14,612	80		827	468,296		
2026/27	14,692	80		908	513,775		
2027/28	14,773	81		989	559,543		
2028/29	14,855	81		1,070	605,603		
2029/30	14,936	82		1,152	651,958		
2030/31	15,019	82		1,234	698,609		

Year	Total ETs	New ETs per Year	PV (New ETs) (over 30 years @ 5%)	Cumulative New ETs	Net Operating Results for New ETs	PV (future operating profits) from new ETs over 30 years @ 5%	Reduction Amount (\$/ET)
2031/32	15,102	83		1,317	745,559		
2032/33	15,185	83		1,401	792,809		
2033/34	15,269	84		1,485	840,362		
2034/35	15,354	85		1,569	888,220		
2035/36	15,439	85		1,654	936,386		
2036/37	15,525	86		1,740	984,862		
2037/38	15,611	86		1,826	1,033,649		
2038/39	15,698	87		1,913	1,082,751		
2039/40	15,785	87		2,000	1,132,169		
2040/41	15,873	88		2,088	1,181,906		
2041/42	15,961	88		2,177	1,231,964		
2042/43	16,050	89		2,266	1,282,346		
2043/44	16,140	90		2,355	1,333,054		
2044/45	16,230	90		2,445	1,384,090		
2045/46	16,321	91		2,536	1,435,457		
2046/47	16,412	91		2,627	1,487,158		

18. Cross-Subsidy Calculation

A summary of the cross subsidy calculation is provided in Table 18-1.

Table 18-1 Summary of Cross-Subsidy Calculation

	DSP Area	Service Area	PV of new ETs over 30 years	Calculated Developer Charge per ET (\$)	Weighted Component of Developer Charge (\$)	Weighted Average Developer Charge per ET (\$)	Weighted Average Subsidy to Developer Charge per ET (\$)
Option 1 – No Cross-subsidy	A	Woodford Island	393	18,229	5,043	11,486	Nil
		Iluka					
	B	Yamba	500	11,516	4,052		
	C	North Grafton	528	6,435	2,391		
		Clarenza					
Option 2 – 36.35% reduction to weighted average developer charge	A	Woodford Island	393	11,516	3,186	9,629	1,857
		Iluka					
	B	Yamba	500	11,516	4,052		
	C	North Grafton	528	6,435	2,391		
		Clarenza					

19. Calculation of Developer Charge

The calculation of developer charges per ET is summarised in Table 19-1.

Table 19-1 Developer Charge per ET, Summary of Calculations

Development Area	Total Capital Charge per ET (\$/ET)	Agglomeration Inspection (70% of \$/ET)	Total ET Growth (ET)	Proportion of Growth	Weighted Capital Charge for Each Location (\$/ET)	With Agglomeration			
						DSP Area	Capital Charge for Each DSP Area (\$/ET)	Reduction amount (\$/ET)	Calculated Developer Charge (\$/ET)
D	18,824	13,177	392	53%	10,071				
F	18,742		347	47%	8,710				
Total for DSP Area A			739		18,781	DSP Area A	18,781	557	18,224
E	12,073	8,451	906	100%	12,073				
Total for DSP Area B			906		12,073	DSP Area B	12,073	557	11,516
A	7,446	5,213	540	55%	4,095				
B	6,438		442	45%	2,898				
Total for DSP Area C			982		6,993	DSP Area C	6,993	557	6,435

Appendices

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