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Sunshine Coast Planning Scheme 2014

Part 4 Priority infrastructure plan

4.1 Preliminary

4.1.1 Sustainable Planning Act 2009

This priority infrastructure plan has been prepared in accordance with the Act.

4.1.2 Purpose

The purpose of this priority infrastructure plan is as follows:-

(a) to integrate and coordinate land use planning and *infrastructure* planning; and

(b) to ensure that trunk infrastructure is planned and provided in an efficient and orderly manner.

4.1.3 Structure of the priority infrastructure plan

This priority infrastructure plan is structured as follows:-

(a) **section 4.2 (Planning assumptions)**, states the projections of future urban growth and the assumptions of demand for each trunk infrastructure network, which have informed the preparation of this priority infrastructure plan;

(b) **section 4.3 (Priority infrastructure area)**, states the priority infrastructure area which is the prioritised area to accommodate future urban growth;

(c) **section 4.4 (Desired standard of service)**, states the desired standard of performance for each trunk infrastructure network;

(d) **section 4.5 (Plans for trunk infrastructure)**, states the existing and planned trunk infrastructure for the following trunk infrastructure networks:-

~~(i) water supply trunk network;~~
~~(ii) sewerage trunk network;~~
~~(iii)~~(i) stormwater quality trunk network;
~~(iv)~~(ii) transport trunk network (roads network);
~~(v)~~(iii) transport trunk network (*active transport*); and
~~(vi)~~(iv) public parks and land for community facilities trunk network;

(e) **section 4.6 (Schedule of maps, works and plans for trunk infrastructure)**, includes the following:-

(i) list of the priority infrastructure area maps; and
(ii) the schedule of works for trunk infrastructure for each trunk infrastructure network; and

(f) **section 4.7 (Extrinsic material)**, states the extrinsic material which assists in the interpretation of this priority infrastructure plan under the *Statutory Instruments Act 1992*.

4.1.4 Definitions

Terms used in this priority infrastructure plan are defined in **Schedule 1 (Definitions)** of the planning scheme.

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4.2 Planning assumptions

4.2.1 Purpose

The *planning assumptions* (including population, *dwellings*, jobs and floorspace) state the following:-

(a) the existing and projected population and employment for the planning scheme area; and

(b) the assumptions about the type, scale, location and timing of residential and non-residential development which are used to derive the demand for a trunk infrastructure network giving a consistent basis for the planning of the trunk infrastructure network and the determination of the priority infrastructure area.

4.2.2 Population and employment

(1) The existing and projected population for residential development within and outside the priority infrastructure area is stated in **section 4.2.9 (Existing and projected population)**.

(2) The existing and projected employment for non-residential development within and outside the priority infrastructure area is stated in **section 4.2.11 (Existing and projected employment)**.

4.2.3 Dwellings and non-residential floor space

(1) The existing and projected *dwellings* for residential development is stated in **section 4.2.10 (Existing and projected dwellings and land area)**.

(2) The existing and projected non-residential floor space for non-residential development is stated in **section 4.2.12 (Existing and projected non-residential floor space and land area)**.

(3) The distribution and timing of *dwellings* for residential development and non-residential floor space for non-residential development to accommodate the projected population and employment have been estimated based on the following factors:-

(a) the existing level of development as at the *base date*;

(b) the physical and other constraints of land;

(c) the land use planning provisions of the local planning instrument;

(d) current development applications and development approvals;

(e) development trends;

(f) the cost efficient provision of trunk infrastructure;

(g) the average occupancy rate for conversion of the projection of *dwellings* to population;

(h) the average floor space conversion rate or building footprints for conversion of the projection of employment to non-residential floor space;

(i) interstate and overseas migration;

(j) the South East Queensland Regional Plan 2009-2031 outcomes and settlement pattern;

(k) land availability; and

(l) regional, sub regional and local economic development strategies and policies.

(4) The average occupancy rate used for the conversion of the projection of *dwellings* into population is stated in **section 4.2.9 (Existing and projected population)**.

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4.2.4 Geographic areas

The *planning assumptions* are stated for a local plan area. The local plan areas and the priority infrastructure area are shown in **Schedule 3 (Priority infrastructure plan mapping and support material)**.

4.2.5 Time periods

The *planning assumptions* are stated for the following time periods to align with the Australian Bureau of Statistics census years:-

(a) The existing residential and non-residential development has been estimated at the *base date* being 30 June 2011;

(b) 2016;

(c) 2021;

(d) 2026; and

(e) 2031.

4.2.6 Development potential of land

'Net developable area' is defined in **Schedule 1 (Definitions)** of the planning scheme.

4.2.7 Planned density

(1) The planned density has been determined to reflect the realistic intensity of future residential and non-residential development having regard to the land use planning provisions of the planning scheme, *site* constraints and current development trends.

(2) The planned density for residential development is stated in **Table 4.2.7 (Planned density for future residential development for planning scheme zones)** for the following:-

(a) the planning scheme zones in column 1; and

(b) the local plan areas in column 2.

(3) The planned density for non-residential development is stated for the following:-

(a) a local plan area in **Part 7 (Local Plans)**;

(b) the Maroochydore Declared Master Plan Area in the Maroochydore Principal Regional Activity Centre Structure Plan;

(c) the Palmview Declared Master Plan Area in the Palmview Structure Plan; and

(d) the Kawana Waters Community Development Area in the 1996 Planning Scheme for Caloundra City, *Development Control Plan No. 1 (Kawana Waters)* and the *Kawana Waters Development Agreement*.

Table 4.2.7 Planned density for future residential development for planning scheme zones

Column 1 Zone	Column 2 Local plan area	Column 3 Planned density (dwellings per hectare)
Residential areas		
Low density residential zone - Detached	All	15
Low density residential zone - Attached	All	Maximum 30
Medium density residential zone	Caloundra West (within 800m of the proposed	Between 25 and 50

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Column 1 Zone	Column 2 Local plan area	Column 3 Planned density (dwellings per hectare)
	Aroona transit station)	
	Maleny	Maximum 20
	Other	Between 30 and 50
High density residential zone	All	Not less than 50
Tourist accommodation zone	All	Not less than 50
Centres		
Principal centre zone	Maroochydore Declared Master Plan Area	As specified in the Maroochydore Principal Regional Activity Centre Structure Plan
Major centre zone	All	Not less than 50
District centre zone	All	Between 30 and 50
Local centre zone	All	Between 30 and 50
Specialised centre zone	-	0
Industrial areas		
Low impact industry zone	-	0
Medium impact industry zone	-	0
High impact industry zone	-	0
Waterfront and marine industry zone	-	0
Other areas		
Sport and recreation zone	-	0
Open space zone	-	0
Community facilities zone	-	0
Environmental management and conservation zone	-	0
Limited development (landscape residential) zone	-	0
Rural zone	-	0
Rural residential zone	-	0
Tourism zone	-	0
Emerging community areas		
Palmview Declared Master Plan Area	-	As specified in the Palmview Structure Plan
Kawana Waters Community Development Area	-	As specified in the 1996 Planning Scheme for Caloundra City, *Development Control Plan No. 1 (Kawana Waters)* and the *Kawana Waters Development Agreement*
Emerging community zone (other)	Caloundra West (within 800m of the proposed Aroona transit station)	Between 25 and 50

4.2.8 Development type

The *planning assumptions* are stated for the projection categories being the types of residential and non-residential development in column 1 of **Table 4.2.8 (Priority infrastructure plan projection categories and planning scheme uses)** which include the activity groups and uses under the planning scheme in columns 2 and 3 of **Table 4.2.8**.

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Table 4.2.8 Priority infrastructure plan projection categories and planning scheme uses

Column 1 PIP projection category	Column 2 Planning scheme activity group	Column 3 Planning scheme use
Residential development		
Single *dwelling* (detached)	Residential	• *Caretakers accommodation*; • *Community residence*; and • *Dwelling house*.
Multiple dwellings (attached)	Residential	• *Dual occupancy*; • *Dwelling unit*; • *Multiple dwelling*; • *Relocatable home park*; and • *Rooming accommodation*.
Other residential	Residential	• *Nature based tourism*; • *Residential care facility*; • *Resort complex*; • *Retirement facility*; • *Short term accommodation*; and • *Tourist park*.
Non-residential development		
Centres	Business Other	• *Adult store*; • *Agricultural supplies store*; • *Bar*; • *Food and drink outlet*; • *Function facility*; • *Funeral parlour*; • *Garden centre*; • *Hardware and trade supplies*; • *Hotel*; • *Market*; • *Nightclub entertainment facility*; • *Office*; • *Outdoor sales*; • *Parking station*; • *Service station*; • *Shop*; • *Shopping centre*; • *Showroom*; • *Theatre*; and • *Veterinary services*.
Community	Business Community Sport and recreation Other	• *Air services*; • *Cemetery*; • *Child care centre*; • *Club*; • *Community care centre*; • *Community use*; • *Correctional facility*; • *Crematorium*; • *Emergency services*; • *Indoor sport and recreation*; • *Major sport, recreation and entertainment*; • *Marina*; • *Motor sport*; • *Outdoor sport and recreation*; • *Park*; • *Major electricity infrastructure*; • *Renewable energy facility*; • *Substation*; • *Telecommunications facility*; • *Tourist attraction*; and • *Utility installation*.
Education	Community	• *Educational establishment*.
Health	Community	• *Health care services*;

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Column 1 PIP projection category	Column 2 Planning scheme activity group	Column 3 Planning scheme use
	Residential	• *Hospital*; and • *Residential care facility*.
Home based/footloose	Business	• *Home based business*.
Industry	Industrial	• *Bulk landscape supplies*; • *Car wash*; • *Extractive industry*; • *High impact industry*; • *Low impact industry*; • *Marine industry*; • *Medium impact industry*; • *Research and technology industry*; • *Service industry*; • *Special industry*; • *Transport depot*; and • *Warehouse*.
Rural	Rural	• *Animal husbandry*; • *Animal keeping*; • *Aquaculture*; • *Cropping*; • *Intensive animal industry*; • *Intensive horticulture*; • *Roadside stall*; • *Rural industry*; • *Wholesale nursery*; and • *Winery*.

4.2.9 Existing and projected population

The estimated existing and projected population for residential development, excluding tourist accommodation, in the planning scheme area is stated in **Table 4.2.9 (Estimated existing and projected population)**.

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Table 4.2.9 Estimated existing and projected population[1]

Locality name	Average household size 2011	Average household size 2031	EXISTING & PROJECTED POPULATION														
			Population in Single Dwellings					Population in Multiple Dwellings					Total Population				
			2011	2016	2021	2026	2031	2011	2016	2021	2026	2031	2011	2016	2021	2026	2031
Locality areas inside PIA																	
Beerburrum	3.1	2.8	320	339	456	482	543	6	9	9	8	8	326	348	464	490	552
Beerwah	3.1	2.8	2,490	3,123	3,405	3,640	4,245	443	879	2,430	2,699	3,170	2,933	4,002	5,835	6,339	7,414
Blackall Range	2.9	2.8	1,001	1,095	1,199	1,184	1,218	287	470	499	610	650	1,288	1,565	1,697	1,795	1,868
Bli Bli	3.1	2.8	5,074	5,200	5,620	5,718	6,020	703	1,942	2,663	4,133	4,200	5,776	7,142	8,283	9,850	10,220
Buderim	2.8	2.7	25,452	27,163	28,394	28,053	28,118	7,694	8,809	9,113	12,115	12,782	33,146	35,972	37,507	40,168	40,900
Caloundra	2.2	2.4	9,014	9,305	9,615	9,838	9,838	9,562	14,703	17,925	20,597	22,318	18,577	24,007	27,540	30,434	32,155
Caloundra South	0.0	2.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Caloundra West	2.4	2.6	14,268	16,604	17,241	19,300	20,345	2,585	2,990	3,861	5,242	5,447	16,853	19,593	21,102	24,541	25,792
Coolum	2.2	2.2	8,871	9,975	9,997	9,997	10,080	3,406	5,359	6,851	8,015	9,352	12,276	15,334	16,848	18,011	19,433
Eudlo	2.9	2.8	217	215	218	216	216	3	20	23	22	28	220	235	241	238	244
Eumundi	2.9	2.8	580	708	799	790	815	46	659	1,465	1,669	1,697	626	1,367	2,264	2,458	2,512
Forest Glen / Kunda Park / Tanawha	2.9	2.7	57	193	190	440	462	3	0	0	0	3	60	193	190	440	464
Glass House Mountains	3.1	2.8	921	1,584	2,091	2,436	2,447	3	3	3	3	3	924	1,587	2,094	2,439	2,450
Golden Beach / Pelican Waters	1.9	2.1	7,201	7,475	7,838	9,425	10,773	2,270	2,834	3,418	3,599	3,917	9,471	10,309	11,256	13,024	14,690
Kawana Waters	2.6	2.3	18,304	17,544	18,149	18,214	18,333	4,747	7,335	7,036	7,730	8,719	23,051	24,879	25,185	25,944	27,053
Kawana Waters Infrastructure Agreement area	2.6	2.3	5,132	5,480	5,645	6,330	6,332	2,587	1,897	4,221	6,164	6,396	7,719	7,377	9,866	12,494	12,728
Kenilworth	2.9	2.8	249	246	263	260	260	41	186	195	218	241	290	433	459	479	501
Landsborough	3.1	2.8	1,773	2,052	2,970	3,032	3,091	109	387	977	969	969	1,882	2,439	3,947	4,001	4,060
Maleny	2.5	2.8	1,243	2,179	2,263	2,951	3,570	605	1,279	1,328	1,660	2,008	1,848	3,458	3,591	4,612	5,578
Maroochy North Shore	2.2	2.2	5,936	6,129	6,175	6,178	6,178	2,792	3,223	3,223	4,156	4,506	8,728	9,352	9,399	10,333	10,683
Maroochydore / Kuluin	2.0	1.9	6,754	5,892	5,779	5,702	5,879	7,718	12,150	16,167	18,149	19,287	14,472	18,042	21,945	23,851	25,166
Maroochydore Structure Plan Area	2.0	1.9	61	562	551	540	566	1,101	1,608	2,817	6,217	8,525	1,161	2,170	3,368	6,756	9,092

[1] The population estimates in this table form the basis for infrastructure planning.

Locality name	Average household size 2011	Average household size 2031	EXISTING & PROJECTED POPULATION														
			Population in Single Dwellings					Population in Multiple Dwellings					Total Population				
			2011	2016	2021	2026	2031	2011	2016	2021	2026	2031	2011	2016	2021	2026	2031
Mooloolaba / Alexandra Headland	1.5	1.7	3,360	3,467	3,612	3,743	3,747	6,516	7,980	9,305	10,033	12,845	9,876	11,448	12,918	13,777	16,592
Mooloolah	3.1	2.8	1,094	1,350	1,705	1,694	1,901	19	204	235	252	252	1,113	1,554	1,940	1,946	2,153
Nambour	2.7	2.5	12,762	11,984	13,049	13,983	14,248	3,259	5,832	7,629	12,345	14,125	16,022	17,815	20,678	26,328	28,373
Palmview Infrastructure Agreement area	~~00.0~~	~~02.2~~	~~00~~	~~02,750~~	~~05,060~~	~~09,240~~	~~015,207~~	~~00~~	~~0284~~	~~0284~~	~~0284~~	~~01,386~~	~~00~~	~~03,034~~	~~05,344~~	~~09,524~~	~~016,593~~
Palmwoods	3.1	2.8	3,921	4,053	4,034	3,912	3,926	546	2,205	4,219	4,586	4,687	4,467	6,257	8,253	8,498	8,613
Peregian South	2.2	2.2	2,107	2,094	3,194	3,194	3,397	765	2,248	3,355	6,558	8,419	2,873	4,342	6,549	9,753	11,816
Rural	3.1	2.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sippy Downs	2.9	2.8	6,458	6,637	6,532	6,426	6,429	3,719	4,986	8,555	9,498	10,298	10,177	11,623	15,087	15,924	16,727
Woombye	2.8	2.6	941	1,066	1,039	1,127	1,151	104	795	776	1,081	1,081	1,044	1,861	1,815	2,208	2,232
Yandina	3.1	2.8	1,364	1,632	2,074	2,002	2,047	276	762	1,589	1,960	2,201	1,640	2,394	3,663	3,962	4,248
TOTAL POPULATION INSIDE PIA			~~146,925~~ 146,922	~~155,346~~ 158,096	~~164,097~~ 169,155	~~170,807180~~ ,045	~~176,175~~ 191,379	~~61,9156~~ 1,915	~~91,7549~~ 2,039	~~119,887~~ 120,170	~~150,288~~ 150,572	~~168,134~~ 169,519	~~208,839~~ 208,837	~~247,098~~ 250,135	~~283,984~~ 289,325	~~321,093~~ 330,617	~~344,309~~ 360,898
Locality areas outside PIA																	
Beerburrum	3.1	2.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Beerwah	2.9	2.8	757	1,032	1,040	1,070	1,081	0	0	0	0	0	757	1,032	1,040	1,070	1,081
Blackall Range	3.1	2.8	2,712	2,761	2,755	2,696	2,758	34	36	41	39	48	2,746	2,797	2,796	2,736	2,806
Bli Bli	3.1	2.8	545	549	531	515	521	0	0	0	0	0	545	549	531	515	521
Buderim	2.2	2.4	517	644	659	674	674	27	18	19	19	41	544	662	678	694	715
Caloundra	2.2	2.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Caloundra South	2.4	2.6	0	2,280	12,445	16,723	20,623	0	0	5,046	10,400	16,900	0	2,280	17,491	27,123	37,523
Caloundra West	2.2	2.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Coolum	3.1	2.8	3	9	9	8	8	0	0	0	0	0	3	9	9	8	8
Eudlo	2.9	2.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eumundi	2.9	2.7	23	22	22	57	57	3	6	6	5	5	26	28	28	62	62
Forest Glen / Kunda Park / Tanawha	3.1	2.8	2,613	2,883	2,787	2,691	2,702	127	279	415	490	490	2,740	3,162	3,202	3,181	3,192
Glass House Mountains	1.9	2.1	977	1,099	1,267	1,336	1,361	0	0	0	0	0	977	1,099	1,267	1,336	1,361
Golden Beach / Pelican Waters	2.6	2.3	0	0	0	0	0	0	25	24	23	23	0	25	24	23	23
Kawana Waters	2.6	2.3	0	0	0	0	0	0	0	0	0	306	0	0	0	0	306

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Locality name	Average household size 2011	Average household size 2031	EXISTING & PROJECTED POPULATION														
			Population in Single Dwellings					Population in Multiple Dwellings					Total Population				
			2011	2016	2021	2026	2031	2011	2016	2021	2026	2031	2011	2016	2021	2026	2031
Kawana Waters Infrastructure Agreement area	2.9	2.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kenilworth	3.1	2.8	52	60	58	199	339	0	6	6	6	6	52	66	64	204	344
Landsborough	2.5	2.8	1,668	1,825	1,941	2,030	2,134	0	0	0	0	0	1,668	1,825	1,941	2,030	2,134
Maleny	2.2	2.2	579	603	614	678	711	13	13	13	15	20	592	616	627	693	730
Maroochy North Shore	2.0	1.9	0	0	0	0	0	0	0	0	190	190	0	0	0	190	190
Maroochydore / Kuluin	2.0	1.9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Maroochydore Structure Plan Area	1.5	1.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mooloolaba / Alexandra Headland	3.1	2.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mooloolah	2.7	2.5	1,134	1,184	1,239	1,330	1,403	0	0	0	0	0	1,134	1,184	1,239	1,330	1,403
Nambour	2.3	2.2	34	36	36	152	246	0	0	0	0	0	34	36	36	152	246
Palmview Infrastructure Agreement area	0.03.1	2.22.8	00	2,7500	5,0600	9,2400	15,2070	00	2840	2840	2840	1,3860	00	3,0340	5,3440	9,5240	16,5930
Palmwoods	2.2	2.2	75	119	123	211	480	0	18	18	62	62	75	136	141	273	541
Peregian South	3.1	2.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rural	2.9	2.8	33,343	37,532	38,779	39,250	41,308	476	454	467	826	1,162	33,819	37,986	39,246	40,076	42,470
Sippy Downs	2.8	2.6	162	178	173	252	278	0	0	0	130	130	162	178	173	382	408
Woombye	2.8	2.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Yandina	3.1	2.8	37	39	41	123	132	0	3	3	3	3	0	0	0	0	0
TOTAL POPULATION OUTSIDE PIA			45,2314 5,232	55,6055 2,855	69,5796 4,518	79,23569,9 95	92,0237 6,815	680680	1,14285 8	6,3426,0 56	12,4921 2,208	20,7721 9,384	45,8744 5,874	56,7045 3,670	75,8777 0,531	91,6028 2,077	112,657 96,065
TOTAL POPULATION			192,156 192,154	210,951 210,951	233,676 233,673	250,042250 ,040	268,198 268,194	62,5956 2,595	92,8969 2,897	126,229 126,226	162,780 162,781	188,906 188,903	254,713 254,711	303,802 303,805	359,861 359,855	412,695 412,695	456,966 456,963

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4.2.10 Existing and projected dwellings and land area

The estimated existing and projected single *dwellings* and *multiple dwellings* in the planning scheme area (excluding tourist accommodation) and the developable land area is stated in **Table 4.2.10 (Estimated existing and projected dwellings and land area)**.

Table 4.2.10 Estimated existing and projected dwellings and land area

Locality name	Net Developable Hectares	*EXISTING & PROJECTED DWELLINGS & NET DEVELOPABLE LAND AREA (HECTARES)*														
		Single Dwellings					Multiple Dwellings					Total ERP Dwellings				
		2011	2016	2021	2026	2031	2011	2016	2021	2026	2031	2011	2016	2021	2026	2031
Locality areas inside PIA																
Beerburrum	29	103	113	157	172	194	2	3	3	3	3	105	116	160	175	197
Beerwah	162	803	1,041	1,174	1,300	1,516	143	293	838	964	1,132	946	1,334	2,012	2,264	2,648
Blackall Range	71	345	382	423	423	435	99	164	176	218	232	444	546	599	641	667
Bli Bli	236	1,646	1,740	1,942	2,042	2,150	228	650	920	1,476	1,500	1,874	2,390	2,862	3,518	3,650
Buderim	1,156	9,090	9,818	10,388	10,390	10,414	2,748	3,184	3,334	4,487	4,734	11,838	13,002	13,722	14,877	15,148
Caloundra	359	4,030	4,061	4,099	4,099	4,099	4,275	6,417	7,642	8,582	9,299	8,305	10,478	11,741	12,681	13,398
Caloundra South	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Caloundra West	923	6,021	6,787	6,833	7,423	7,825	1,091	1,222	1,530	2,016	2,095	7,112	8,009	8,363	9,439	9,920
Coolum	572	4,032	4,534	4,544	4,544	4,582	1,548	2,436	3,114	3,643	4,251	5,580	6,970	7,658	8,187	8,833
Eudlo	7	75	75	77	77	77	1	7	8	8	10	76	82	85	85	87
Eumundi	90	200	247	282	282	291	16	230	517	596	606	216	477	799	878	897
Forest Glen / Kunda Park / Tanawha	19	20	69	69	163	171	1	0	0	0	1	21	69	69	163	172
Glass House Mountains	91	297	528	721	870	874	1	1	1	1	1	298	529	722	871	875
Golden Beach / Pelican Waters	447	3,790	3,801	3,855	4,488	5,130	1,195	1,441	1,681	1,714	1,865	4,985	5,242	5,536	6,202	6,995
Kawana Waters	1,405	7,022	7,005	7,555	7,919	7,971	1,821	2,929	2,929	3,361	3,791	8,843	9,934	10,484	11,280	11,762
Kawana Waters Infrastructure Agreement area		1,974	2,192	2,352	2,752	2,753	995	759	1,759	2,680	2,781	2,969	2,951	4,111	5,432	5,534
Kenilworth	26	86	86	93	93	93	14	65	69	78	86	100	151	162	171	179
Landsborough	123	572	684	1,024	1,083	1,104	35	129	337	346	346	607	813	1,361	1,429	1,450
Maleny	195	497	838	838	1,054	1,275	242	492	492	593	717	739	1,330	1,330	1,647	1,992
Maroochy North Shore	46	2,698	2,786	2,807	2,808	2,808	1,269	1,465	1,465	1,889	2,048	3,967	4,251	4,272	4,697	4,856
Maroochydore / Kuluin	438	3,377	2,996	2,989	3,001	3,094	3,859	6,178	8,362	9,552	10,151	7,236	9,174	11,351	12,553	13,245

Locality name	Net Developable Hectares	EXISTING & PROJECTED DWELLINGS & NET DEVELOPABLE LAND AREA (HECTARES)														
		Single Dwellings					Multiple Dwellings					Total ERP Dwellings				
		2011	2016	2021	2026	2031	2011	2016	2021	2026	2031	2011	2016	2021	2026	2031
Maroochydore Structure Plan Area	0	30	284	284	284	298	545	812	1,452	3,272	4,487	575	1,096	1,736	3,556	4,785
Mooloolaba / Alexandra Headland	234	2,202	2,189	2,200	2,202	2,204	4,270	5,038	5,667	5,902	7,556	6,472	7,227	7,867	8,104	9,760
Mooloolah	115	353	450	588	605	679	6	68	81	90	90	359	518	669	695	769
Nambour	857	4,703	4,535	5,075	5,593	5,699	1,201	2,207	2,967	4,938	5,650	5,904	6,742	8,042	10,531	11,349
Palmview Infrastructure Agreement area	~~0917~~	~~00~~	~~01,250~~	~~02,300~~	~~04,200~~	~~06,900~~	~~00~~	~~0129~~	~~0129~~	~~0129~~	~~0629~~	~~00~~	~~01,379~~	~~02,429~~	~~04,329~~	~~07,529~~
Palmwoods	167	1,265	1,351	1,391	1,397	1,402	176	735	1,455	1,638	1,674	1,441	2,086	2,846	3,035	3,076
Peregian South	252	958	952	1,452	1,452	1,544	348	1,022	1,525	2,981	3,827	1,306	1,974	2,977	4,433	5,371
Rural	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sippy Downs	270	2,198	2,295	2,295	2,295	2,296	1,266	1,724	3,006	3,392	3,678	3,464	4,019	5,301	5,687	5,974
Woombye	81	336	390	390	434	443	37	291	291	416	416	373	681	681	850	859
Yandina	121	440	544	715	715	731	89	254	548	700	786	529	798	1,263	1,415	1,517
TOTAL DWELLINGS INSIDE PIA		~~59,1635~~ 9,163	~~62,7736~~ 4,023	~~66,6126~~ 8,912	~~69,9607~~ 4,160	~~72,1527~~ 9,052	~~27,5212~~ 7,521	~~40,2164~~ 0,345	~~52,1695~~ 2,298	~~65,5366~~ 5,665	~~73,8137~~ 4,442	~~86,6848~~ 6,684	~~102,989~~ 104,368	~~118,781~~ 121,210	~~135,496~~ 139,825	~~145,965~~ 153,494
Locality areas outside PIA																
Beerburrum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Beerwah	212	261	360	367	382	386	0	0	0	0	0	261	360	367	382	386
Blackall Range	1,618	880	924	952	963	985	11	12	14	14	17	891	936	966	977	1,002
Bli Bli	293	176	183	183	184	186	0	0	0	0	0	176	183	183	184	186
Buderim	110	231	281	281	281	281	12	8	8	8	17	243	289	289	289	298
Caloundra	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Caloundra South	2,263	0	932	4,932	6,432	7,932	0	0	2,000	4,000	6,500	0	932	6,932	10,432	14,432
Caloundra West	174	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Coolum	23	1	3	3	3	3	0	0	0	0	0	1	3	3	3	3
Eudlo	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eumundi	8	8	8	8	21	21	1	2	2	2	2	9	10	10	23	23
Forest Glen / Kunda Park / Tanawha	882	843	961	961	961	965	41	93	143	175	175	884	1,054	1,104	1,136	1,140
Glass House Mountains	203	514	559	623	636	648	0	0	0	0	0	514	559	623	636	648
Golden Beach / Pelican Waters	0	0	0	0	0	0	0	10	10	10	10	0	10	10	10	10

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Locality name	Net Developable Hectares	EXISTING & PROJECTED DWELLINGS & NET DEVELOPABLE LAND AREA (HECTARES)														
		Single Dwellings					Multiple Dwellings					Total ERP Dwellings				
		2011	2016	2021	2026	2031	2011	2016	2021	2026	2031	2011	2016	2021	2026	2031
Kawana Waters	0	0	0	0	0	0	0	0	0	0	133	0	0	0	0	133
Kawana Waters Infrastructure Agreement area	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kenilworth	115	17	20	20	71	121	0	2	2	2	2	17	22	22	73	123
Landsborough	408	667	702	719	725	762	0	0	0	0	0	667	702	719	725	762
Maleny	297	263	274	279	308	323	6	6	6	7	9	269	280	285	315	332
Maroochy North Shore	240	0	0	0	0	0	0	0	0	100	100	0	0	0	100	100
Maroochydore / Kuluin	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Maroochydore Structure Plan Area	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mooloolaba / Alexandra Headland	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mooloolah	464	418	448	482	532	561	0	0	0	0	0	418	448	482	532	561
Nambour	112	15	16	16	69	112	0	0	0	0	0	15	16	16	69	112
Palmview Infrastructure Agreement area	9170	00	1,2500	2,3000	4,2000	6,9000	00	1290	1290	1290	6290	00	1,3790	2,4290	4,3290	7,5290
Palmwoods	169	34	54	56	96	218	0	8	8	28	28	34	62	64	124	246
Peregian South	34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rural	183,082	11,349	12,978	13,626	14,018	14,753	162	157	164	295	415	11,511	13,135	13,790	14,313	15,168
Sippy Downs	34	58	65	65	97	107	0	0	0	50	50	58	65	65	147	157
Woombye	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Yandina	0	12	13	14	44	47	0	1	1	1	1	12	14	15	45	48
TOTAL DWELLINGS OUTSIDE PIA		15,7471 5,747	20,0311 8,781	25,8872 3,587	30,0232 5,823	35,3112 8,411	233233	428299	2,4872, 358	4,8214, 692	8,0887, 459	15,9801 5,980	20,4591 9,080	28,3742 5,945	34,8443 0,515	43,3993 5,870
TOTAL DWELLINGS		74,9107 4,910	82,8048 2,804	92,4999 2,499	99,9839 9,983	107,463 107,463	27,7542 7,754	40,6444 0,644	54,6565 4,656	70,3577 0,357	81,9018 1,901	102,664 102,664	123,448 123,448	147,155 147,155	170,340 170,340	189,364 189,364

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4.2.11 Existing and projected employment

The estimated existing and projected employees for non-residential development in the planning scheme area is stated in **Table 4.2.11 (Estimated existing and projected employment)**.

Table 4.2.11 Estimated existing and projected employment

Locality name	EXISTING & PROJECTED EMPLOYMENT																													
	Centres					Community					Education					Health					Industry					Other				
	2011	2016	2021	2026	2031	2011	2016	2021	2026	2031	2011	2016	2021	2026	2031	2011	2016	2021	2026	2031	2011	2016	2021	2026	2031	2011	2016	2021	2026	2031
Locality areas inside PIA																														
Beerburrum	58	63	68	72	77	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	6	6	18	20	21	23	48
Beerwah	1,221	1,419	1,616	1,814	2,011	131	179	227	275	323	280	347	413	480	546	0	0	0	0	0	293	507	721	935	1,149	161	216	271	325	380
Blackall Range	931	983	1,036	1,088	1,140	43	40	38	35	32	72	84	96	108	120	0	0	0	0	0	19	19	19	19	19	127	133	140	146	153
Bli Bli	97	180	262	345	427	103	111	119	126	134	106	124	142	160	178	0	0	0	0	0	7	7	7	7	7	373	398	422	446	470
Buderim	4,718	4,886	5,054	5,222	5,390	410	432	454	476	498	1,535	1,764	1,994	2,223	2,452	1,657	1,796	1,936	2,075	2,214	53	53	53	53	53	2,076	2,246	2,417	2,588	2,758
Caloundra	13,580	14,522	15,463	16,405	17,346	696	649	602	555	508	753	898	1,043	1,187	1,332	776	798	820	841	863	2,513	2,786	3,060	3,333	3,606	835	902	969	1,036	1,102
Caloundra South	0	0	0	0	0	0	375	750	1,125	1,500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Caloundra West	1,544	1,735	1,926	2,116	2,307	361	443	525	606	688	418	536	654	772	890	10	10	10	10	10	113	570	1,027	1,484	1,941	2,051	2,433	2,815	3,197	3,579
Coolum	2,860	3,149	3,439	3,728	4,017	217	238	258	279	299	101	118	135	151	168	80	80	80	80	80	1,170	1,380	1,590	1,799	2,009	872	955	1,038	1,121	1,204
Eudlo	50	61	72	82	93	15	11	8	4	0	29	34	39	43	48	0	0	0	0	0	0	0	0	0	0	27	27	27	27	27
Eumundi	659	758	857	956	1,055	96	91	87	82	77	72	84	96	108	120	0	0	0	0	0	19	19	19	19	19	62	69	76	83	90
Forest Glen / Kunda Park / Tanawha	645	503	360	218	75	25	21	18	14	10	172	207	242	277	312	0	0	0	0	0	2,023	2,315	2,607	2,899	3,191	0	10	19	28	37
Glass House Mountains	106	194	282	370	458	74	63	52	41	30	2	11	19	28	36	0	0	0	0	0	17	20	23	25	28	68	105	142	179	216
Golden Beach / Pelican Waters	1,092	1,233	1,373	1,514	1,654	94	94	94	94	94	134	192	249	307	364	0	0	0	0	0	0	0	0	0	0	687	839	990	1,141	1,292
Kawana Waters	5,368	6,490	7,612	8,733	9,855	205	247	289	330	372	453	531	610	688	766	0	0	0	0	0	1,681	1,733	1,786	1,838	1,890	1,454	1,613	1,771	1,930	2,088
Kawana Waters Infrastructure Agreement area	1,741	2,677	3,613	4,549	5,485	5	4	3	1	0	150	175	200	225	250	0	1,250	2,500	3,750	5,000	8	8	8	8	8	330	417	504	590	677
Kenilworth	219	233	247	260	274	20	19	18	17	16	0	0	0	0	0	0	0	0	0	0	10	22	33	45	56	26	27	29	30	31
Landsborough	488	638	787	937	1,086	120	161	203	244	285	51	61	72	82	92	0	0	0	0	0	158	294	430	566	702	119	160	201	243	284
Maleny	853	1,041	1,230	1,418	1,606	90	159	229	298	367	216	252	288	324	360	36	36	36	36	36	69	105	140	176	211	296	346	395	444	493
Maroochy North Shore	1,108	1,381	1,654	1,926	2,199	75	87	99	111	123	92	111	130	149	168	0	0	0	0	0	1,900	2,135	2,371	2,606	2,841	610	646	683	719	755
Maroochydore / Kuluin	5,806	6,110	6,415	6,719	7,023	409	410	410	411	411	334	392	450	508	566	10	10	10	10	10	2,781	3,054	3,327	3,599	3,872	673	713	753	793	832
Maroochydore Structure Plan Area	9,834	12,442	15,049	17,657	20,264	212	241	271	300	329	174	256	338	420	502	0	0	0	0	0	192	194	196	198	200	1	17	33	49	65
Mooloolaba / Alexandra Headland	3,919	4,051	4,183	4,314	4,446	743	758	774	789	804	175	204	234	263	292	0	0	0	0	0	312	307	302	297	292	487	514	541	568	595
Mooloolah	127	153	178	204	229	8	9	11	12	13	14	17	19	22	24	0	0	0	0	0	6	6	6	6	10	78	102	125	149	172
Nambour	5,720	6,227	6,733	7,240	7,746	633	716	799	881	964	1,059	1,330	1,601	1,871	2,142	3,589	3,797	4,006	4,214	4,422	1,100	1,392	1,684	1,976	2,268	957	1,088	1,220	1,351	1,482
Palmview Infrastructure Agreement area	00	0473	0945	01,418	01,890	00	00	00	00	00	00	0188	0375	0563	0750	00	00	00	00	00	00	00	00	0350	0750	00	0375	0750	01,126	01,501
Palmwoods	313	370	427	483	540	56	69	81	94	106	78	91	104	117	130	0	0	0	0	0	126	142	159	175	191	265	290	316	342	368
Peregian South	136	182	229	275	321	9	10	11	11	12	0	96	192	288	384	0	0	0	0	0	0	0	0	0	0	220	262	304	346	388
Sippy Downs	1,159	1,785	2,411	3,036	3,662	224	226	228	230	232	2,402	2,916	3,430	3,944	4,458	0	0	0	0	0	0	0	0	0	0	499	529	558	588	617
Woombye	367	394	421	448	475	33	31	29	26	24	0	0	0	0	0	0	0	0	0	0	71	71	71	71	71	58	71	84	98	111
Yandina	596	625	654	683	712	92	83	73	64	54	74	86	98	110	122	0	0	0	0	0	1,413	1,551	1,689	1,826	1,964	148	168	188	209	229
Total employment inside PIA	65,315 65,315	74,485 74,952	83,651 84,589	92,812 94,226	101,9731 03,863	5,1995, 199	5,9774, 976	6,7606, 752	7,5317, 529	8,3058, 305	8,9468, 946	10,917 11,103	12,888 13,259	14,855 15,416	16,822 17,572	6,1586, 158	7,7727, 777	9,3969, 397	11,016 11,016	12,635 12,635	16,054 16,054	18,690 18,689	21,334 21,330	23,966 24,316	26,604 27,354	13,575 13,563	15,316 15,691	17,052 17,801	18,789 19,910	20,543 22,044
Locality areas outside PIA																														

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Locality name	EXISTING & PROJECTED EMPLOYMENT																													
	Centres					Community					Education					Health					Industry					Other				
	2011	2016	2021	2026	2031	2011	2016	2021	2026	2031	2011	2016	2021	2026	2031	2011	2016	2021	2026	2031	2011	2016	2021	2026	2031	2011	2016	2021	2026	2031
Beerburrum	12	12	12	12	12	0	0	0	0	0	38	45	51	58	64	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Beerwah	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	60	69	79	89	98
Blackall Range	12	24	35	47	58	44	45	46	46	47	0	3	5	8	10	0	0	0	0	0	0	0	0	0	0	333	351	369	387	405
Bli Bli	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	63	65	67	68	70
Buderim	56	102	147	193	238	2	2	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	53	58	63	69	74
Caloundra	0	0	0	0	0	151	121	91	60	30	0	51	101	152	202	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Caloundra South	0	1,500	3,000	4,500	6,000	0	0	0	0	0	0	500	1,000	1,500	2,000	0	0	0	0	0	0	375	750	1,125	1,500	0	431	863	1,294	1,725
Caloundra West	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Coolum	0	46	91	137	182	0	0	0	0	0	173	202	231	259	288	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Eudlo	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eumundi	11	20	28	37	45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21	20	19	18	17	3	4	5	6	7
Forest Glen / Kunda Park / Tanawha	115	108	102	95	88	4	4	4	4	4	0	0	0	0	0	0	0	0	0	0	55	80	104	129	153	194	209	225	240	256
Glass House Mountains	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	118	131	143	156	169
Golden Beach / Pelican Waters	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kawana Waters	0	0	0	0	0	0	5	9	14	18	0	0	0	0	0	0	0	0	0	0	18	14	9	5	0	0	0	0	0	0
Kawana Waters Infrastructure Agreement area	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kenilworth	0	0	0	0	0	0	0	0	0	0	64	75	86	97	108	0	0	0	0	0	2	5	7	10	12	7	14	21	28	35
Landsborough	4	4	4	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	9	9	9	9	153	166	179	191	204
Maleny	1	1	2	2	2	3	11	19	26	34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	159	160	161	161	162
Maroochy North Shore	0	1	1	2	2	8	8	8	8	8	0	0	0	0	0	0	0	0	0	0	0	8	15	23	30	0	0	0	0	0
Maroochydore / Kuluin	0	0	0	0	0	7	7	7	7	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Maroochydore Structure Plan Area	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mooloolaba / Alexandra Headland	0	0	0	0	0	228	228	228	228	228	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mooloolah	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	96	109	121	134	146
Nambour	0	14	29	43	57	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	35	52	70	87	4	10	16	22	28
Palmview Infrastructure Agreement area	00	4730	9450	14180	18900	00	00	00	00	00	00	1880	3750	5630	7500	00	00	00	00	00	00	00	00	3500	7500	00	3750	7500	11260	15010
Palmwoods	0	2	4	5	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	5	4	2	0	8	19	30	41	52
Peregian South	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sippy Downs	43	51	60	68	76	9	10	11	11	12	0	0	0	0	0	0	0	0	0	0	22	17	11	6	0	13	17	20	24	27
Woombye	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Yandina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	7	9	11	13
Rural	782	802	822	841	861	182	251	319	388	456	476	568	659	751	842	0	0	0	0	0	846	863	879	896	912	4,598	5,060	5,522	5,984	6,447
Total employment outside PIA	1,0361,036	3,1602,685	5,2824,334	7,4045,983	9,5227,632	638638	692690	744742	794794	846846	751751	1,6321,442	2,5082,133	3,3823,823	4,2643,514	00	00	00	00	00	997997	1,4311,428	1,8591,859	2,6432,289	3,4702,720	5,8665,868	7,2556,881	8,6437,893	10,0328,905	11,4209,917
TOTAL EMPLOYMENT	66,35166,351	77,64577,637	88,93388,923	100,21 6100,2 09	111,49511,495	5,8375,837	6,6696,666	7,5047,494	8,3258,323	9,1519,151	9,6979,697	12,54912,544	15,39615,392	18,24318,239	21,08621,086	6,1586,158	7,7777,777	9,3989,397	11,01611,016	12,63512,635	17,05117,051	20,12120,117	23,19323,189	26,60926,604	30,07430,074	19,44419,450	22,57122,572	25,69525,694	28,82128,815	31,96331,961

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4.2.12 Existing and projected non-residential floor space and land area

The estimated existing and projected non-residential floorspace in the planning scheme area and developable land area is stated in **Table 4.2.12 (Estimated existing and projected non-residential floor space and land area)**.

Table 4.2.12 Estimated existing and projected non-residential floor space and land area

Locality name	Net developable hectares	EXISTING & PROJECTED NON RESIDENTIAL FLOOR SPACE (m2 GFA)																									
		Centres					Community					Education					Health					Industry					
		2011	2016	2021	2026	2031	2011	2016	2021	2026	2031	2011	2016	2021	2026	2031	2011	2016	2021	2026	2031	2011	2016	2021	2026	2031
Locality areas inside PIA																											
Beerburrum	0	1,740	1,883	2,025	2,168	2,310	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	600	600	600
Beerwah	60	36,630	42,555	48,480	54,405	60,330	3,930	5,370	6,810	8,250	9,690	8,400	10,395	12,390	14,385	16,380	0	0	0	0	0	29,300	50,700	72,100	93,500	114,900
Blackall Range	10	27,930	29,498	31,065	32,633	34,200	1,290	1,208	1,125	1,043	960	2,160	2,520	2,880	3,240	3,600	0	0	0	0	0	1,900	1,900	1,900	1,900	1,900
Bli Bli	2	2,910	5,385	7,860	10,335	12,810	3,090	3,323	3,555	3,788	4,020	3,180	3,720	4,260	4,800	5,340	0	0	0	0	0	700	700	700	700	700
Buderim	15	141,540	146,580	151,620	156,660	161,700	12,300	12,960	13,620	14,280	14,940	46,050	52,928	59,805	66,683	73,560	49,710	53,888	58,065	62,243	66,420	5,300	5,300	5,300	5,300	5,300
Caloundra	138	407,400	435,645	463,890	492,135	520,380	20,880	19,470	18,060	16,650	15,240	22,590	26,933	31,275	35,618	39,960	23,280	23,933	24,585	25,238	25,890	251,300	278,625	305,950	333,275	360,600
Caloundra South	0	0	0	0	0	0	0	11,250	22,500	33,750	45,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Caloundra West	43	46,320	52,043	57,765	63,488	69,210	10,830	13,283	15,735	18,188	20,640	12,540	16,080	19,620	23,160	26,700	300	300	300	300	300	11,300	57,000	102,700	148,400	194,100
Coolum	200	85,800	94,478	103,155	111,833	120,510	6,510	7,125	7,740	8,355	8,970	3,030	3,533	4,035	4,538	5,040	2,400	2,400	2,400	2,400	2,400	117,000	137,975	158,950	179,925	200,900
Eudlo	1	1,500	1,823	2,145	2,468	2,790	450	338	225	113	0	870	1,013	1,155	1,298	1,440	0	0	0	0	0	0	0	0	0	0
Eumundi	0	19,770	22,740	25,710	28,680	31,650	2,880	2,738	2,595	2,453	2,310	2,160	2,520	2,880	3,240	3,600	0	0	0	0	0	1,900	1,900	1,900	1,900	1,900
Forest Glen / Kunda Park / Tanawha	145	19,350	15,075	10,800	6,525	2,250	750	638	525	413	300	5,160	6,210	7,260	8,310	9,360	0	0	0	0	0	202,300	231,500	260,700	289,900	319,100
Glass House Mountains	6	3,180	5,820	8,460	11,100	13,740	2,220	1,890	1,560	1,230	900	60	315	570	825	1,080	0	0	0	0	0	1,700	1,975	2,250	2,525	2,800
Golden Beach / Pelican Waters	12	32,760	36,975	41,190	45,405	49,620	2,820	2,820	2,820	2,820	2,820	4,020	5,745	7,470	9,195	10,920	0	0	0	0	0	0	0	0	0	0
Kawana Waters	82	161,040	194,693	228,345	261,998	295,650	6,150	7,403	8,655	9,908	11,160	13,590	15,938	18,285	20,633	22,980	0	0	0	0	0	168,100	173,325	178,550	183,775	189,000
Kawana Waters Infrastructure Agreement area	0	52,230	80,310	108,390	136,470	164,550	150	113	75	38	0	4,500	5,250	6,000	6,750	7,500	0	37,500	75,000	112,500	150,000	800	800	800	800	800
Kenilworth		6,570	6,983	7,395	7,808	8,220	600	570	540	510	480	0	0	0	0	0	0	0	0	0	0	1,000	2,150	3,300	4,450	5,600
Landsborough	29	14,640	19,125	23,610	28,095	32,580	3,600	4,838	6,075	7,313	8,550	1,530	1,838	2,145	2,453	2,760	0	0	0	0	0	15,800	29,400	43,000	56,600	70,200
Maleny	19	25,590	31,238	36,885	42,533	48,180	2,700	4,778	6,855	8,933	11,010	6,480	7,560	8,640	9,720	10,800	1,080	1,080	1,080	1,080	1,080	6,900	10,450	14,000	17,550	21,100
Maroochy North Shore	43	33,240	41,423	49,605	57,788	65,970	2,250	2,610	2,970	3,330	3,690	2,760	3,330	3,900	4,470	5,040	0	0	0	0	0	190,000	213,525	237,050	260,575	284,100
Maroochydore / Kuluin	252	174,180	183,308	192,435	201,563	210,690	12,270	12,285	12,300	12,315	12,330	10,020	11,760	13,500	15,240	16,980	300	300	300	300	300	278,100	305,375	332,650	359,925	387,200
Maroochydore Structure Plan Area	167	295,020	373,245	451,470	529,695	607,920	6,360	7,238	8,115	8,993	9,870	5,220	7,680	10,140	12,600	15,060	0	0	0	0	0	19,200	19,400	19,600	19,800	20,000
Mooloolaba / Alexandra Headland	24	117,570	121,523	125,475	129,428	133,380	22,290	22,748	23,205	23,663	24,120	5,250	6,128	7,005	7,883	8,760	0	0	0	0	0	31,200	30,700	30,200	29,700	29,200
Mooloolah	2	3,810	4,575	5,340	6,105	6,870	240	278	315	353	390	420	495	570	645	720	0	0	0	0	0	600	600	600	600	1,000
Nambour	121	171,600	186,795	201,990	217,185	232,380	18,990	21,473	23,955	26,438	28,920	31,770	39,893	48,015	56,138	64,260	107,670	113,918	120,165	126,413	132,660	110,000	139,200	168,400	197,600	226,800
Palmview Infrastructure Agreement area	~~00~~	~~00~~	~~014,175~~	~~028,350~~	~~042,525~~	~~056,700~~	~~00~~	~~00~~	~~00~~	~~00~~	~~00~~	~~00~~	~~05,625~~	~~011,250~~	~~016,875~~	~~022,500~~	~~00~~	~~00~~	~~00~~	~~00~~	~~00~~	~~00~~	~~00~~	~~00~~	~~035,000~~	~~070,000~~
Palmwoods	11	9,390	11,093	12,795	14,498	16,200	1,680	2,055	2,430	2,805	3,180	2,340	2,730	3,120	3,510	3,900	0	0	0	0	0	12,600	14,225	15,850	17,475	19,100
Peregian South	8	4,080	5,468	6,855	8,243	9,630	270	293	315	338	360	0	2,880	5,760	8,640	11,520	0	0	0	0	0	0	0	0	0	0
Sippy Downs	38	34,770	53,543	72,315	91,088	109,860	6,720	6,780	6,840	6,900	6,960	72,060	87,480	102,900	118,320	133,740	0	0	0	0	0	0	0	0	0	0
Woombye	3	11,010	11,820	12,630	13,440	14,250	990	923	855	788	720	0	0	0	0	0	0	0	0	0	0	7,100	7,100	7,100	7,100	7,100
Yandina	88	17,880	18,750	19,620	20,490	21,360	2,760	2,475	2,190	1,905	1,620	2,220	2,580	2,940	3,300	3,660	0	0	0	0	0	141,300	155,075	168,850	182,625	196,400
Total floor space inside PIA		1,959,450 1,959,450	2,234,392 2,248,560	2,509,320 2,537,670	2,784,262 2,826,780	3,059,198 3,115,890	155,9701 55,970	179,2731 79,265	202,5802 02,560	225,8632 25,855	249,1502 49,150	268,3602 68,360	327,4543 33,075	386,5203 97,770	445,5944 62,465	504,6605 27,160	164,7401 84,740	233,3192 33,318	281,8952 81,895	330,4743 30,473	379,0503 79,050	1,605,400 1,605,400	1,868,900 1,868,900	2,133,000 2,133,000	2,396,500 2,431,500	2,660,400 2,736,400
Outside the PIA																											
Beerburrum		360	360	360	360	360	0	0	0	0	0	1,140	1,335	1,530	1,725	1,920	0	0	0	0	0	0	0	0	0	0
Beerwah		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Blackall Range		360	705	1,050	1,395	1,740	1,320	1,343	1,365	1,388	1,410	0	75	150	225	300	0	0	0	0	0	0	0	0	0	0
Bli Bli		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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Locality name	Net developable hectares	EXISTING & PROJECTED NON RESIDENTIAL FLOOR SPACE (m2 GFA)																								
		Centres					Community					Education					Health					Industry				
		2011	2016	2021	2026	2031	2011	2016	2021	2026	2031	2011	2016	2021	2026	2031	2011	2016	2021	2026	2031	2011	2016	2021	2026	2031
Buderim		1,680	3,045	4,410	5,775	7,140	60	60	60	60	60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Caloundra		0	0	0	0	0	4,530	3,623	2,715	1,808	900	0	1,515	3,030	4,545	6,060	0	0	0	0	0	0	0	0	0	0
Caloundra South		0	45,000	90,000	135,000	180,000	0	0	0	0	0	0	15,000	30,000	45,000	60,000	0	0	0	0	0	0	37,500	75,000	112,500	150,000
Caloundra West		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Coolum		0	1,365	2,730	4,095	5,460	0	0	0	0	0	5,190	6,053	6,915	7,778	8,640	0	0	0	0	0	0	0	0	0	0
Eudlo		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eumundi		330	585	840	1,095	1,350	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,100	2,000	1,900	1,800	1,700
Forest Glen / Kunda Park / Tanawha		3,450	3,248	3,045	2,843	2,640	120	120	120	120	120	0	0	0	0	0	0	0	0	0	0	5,500	7,950	10,400	12,850	15,300
Glass House Mountains		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Golden Beach / Pelican Waters		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kawana Waters		0	0	0	0	0	0	135	270	405	540	0	0	0	0	0	0	0	0	0	0	1,800	1,350	900	450	0
Kawana Waters Infrastructure Agreement area		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kenilworth		0	0	0	0	0	0	0	0	0	0	1,920	2,250	2,580	2,910	3,240	0	0	0	0	0	200	450	700	950	1,200
Landsborough		120	120	120	120	120	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	900	900	900	900	900
Maleny		30	38	45	53	60	90	323	555	788	1,020	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Maroochy North Shore		0	15	30	45	60	240	240	240	240	240	0	0	0	0	0	0	0	0	0	0	0	750	1,500	2,250	3,000
Maroochydore / Kuluin		0	0	0	0	0	210	210	210	210	210	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Maroochydore Structure Plan Area		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mooloolaba / Alexandra Headland		0	0	0	0	0	6,840	6,840	6,840	6,840	6,840	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mooloolah		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nambour		0	428	855	1,283	1,710	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,700	3,450	5,200	6,950	8,700
Palmview Infrastructure Agreement area		00	14,1750	28,3500	42,5250	56,7000	00	00	00	00	00	00	5,6250	11,2500	16,8750	22,5000	00	00	00	00	00	00	00	00	35,0000	75,0000
Palmwoods		0	53	105	158	210	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	700	525	350	175	0
Peregian South		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sippy Downs		1,290	1,538	1,785	2,033	2,280	270	293	315	338	360	0	0	0	0	0	0	0	0	0	0	2,200	1,650	1,100	550	0
Woombye		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Yandina		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rural		23,460	24,053	24,645	25,238	25,830	5,460	7,515	9,570	11,625	13,680	14,280	17,025	19,770	22,515	25,260	0	0	0	0	0	84,600	86,250	87,900	89,550	91,200
Total floor space outside PIA		31,08031,080	94,72880,550	158,3701 30,020	222,0181 79,490	285,6602 28,960	19,14019,140	20,70220,700	22,26022,260	23,82223,820	25,38025,380	22,53022,530	49,87843,253	75,22563,975	101,5738 4,698	127,9201 05,420	00	00	00	00	00	99,70099,700	142,7751 42,775	185,8501 85,850	263,9252 28,925	347,0002 72,000
TOTAL FLOOR SPACE		1,990,530 1,990,530	2,329,120 2,329,110	2,667,690 2,667,690	3,006,280 3,006,270	3,344,850 3,344,850	175,1101 75,110	199,9751 99,965	224,8202 24,820	249,6852 49,675	274,5302 74,530	290,9102 90,910	376,3323 76,328	461,7454 61,745	547,1675 47,163	632,5806 32,580	184,7401 84,740	233,3192 33,318	281,8952 81,895	330,4743 30,473	379,0503 79,050	1,705,100 1,705,100	2,011,675 2,011,675	2,318,850 2,318,850	2,660,425 2,660,425	3,007,400 3,007,400

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4.2.13 Planned demand

(1) The demand planned for each trunk infrastructure network for the development of premises is stated in **Table 4.2.13A (Planned infrastructure demand rate)**.

~~(2)~~ The demand for a trunk infrastructure network for~~:-~~
~~(3)~~
~~(4)~~(2) reconfiguring a lot, a material change of use or carrying out building work is to be calculated using the following:-

(i) the demand generation rate in **Table 4.2.13B (Demand generation rate for a trunk infrastructure network)** or Unitywater's Netserv plan;
(ii) where paragraph (i) does not apply, the demand generation rate determined by the following:-

(A) the *Council*, for the transport, stormwater and public parks and land for community facilities trunk networks;
(B) the *distributor-retailer*, for the water and sewerage trunk networks; and

~~(b) an existing lawful use is to be calculated using the demand generation rate for a material change of use and carrying out building work in **Table 4.2.13B (Demand generation rate for a trunk infrastructure network)**.~~

~~(5)~~(3) Where a material change of use ~~or existing lawful use~~ involves more than one use, the demand is to be determined by adding together the demand for each use calculated in accordance with subsection (2).

Table 4.2.13A Planned infrastructure demand rate

Column 1 Planning scheme area land use		**Column 2 Assumed infrastructure demand rate**		
PIP projection category	***Planned density (dwellings per hectare)***	***Stormwater (Impervious Hectare/net dev ha)***	***Transport (trips/net dev ha)***	***Public Parks & LFCF (EP/net dev ha)***
Residential - Detached	15	6,500	113 - 150	38
Residential - Attached	25	9,000	125 - 188	63
PIP projection category	***GFA/ developable ha***	***Fraction impervious***	***Trips/ developable ha***	***Public Parks & LFCF (EP/net dev ha)***
Centres - Retail	7500	0.9	3,750 - 9,000	N/A
Centres - Office	7500	0.9	1,125 - 2,250	
Centres - Specialist Retail	7500	0.9	750 - 3,000	
High Impact Industry	3500	0.9	175	
Low Impact Industry	3500	0.9	315	
Community	600	0.9	72 - 240	
Rural/Other	N/A			

Part 4

Table 4.2.13B Demand generation rate for a trunk infrastructure network

Column 1 Planning scheme area land use		Column 2 Assumed demand generation rates		
PIP projection category	***Planned density (dwellings per hectare)***	***Stormwater units of demand***	***Transport units of demand***	***Public Parks & LFCF units of demand***
		Fraction impervious	***Trips***	***EP/ET***
Detached	15	0.65	7.5 - 10	Refer to Column 2 Average occupancy rate in Table 4.2.10 (Estimated existing and projected population)
Attached	25	0.9	5 - 7.5	
PIP projection category		***Fraction impervious***	***Trips/ 100m2 GFA***	***ET/ 100m2 GFA***
Centres - Retail		0.9	50 - 120	N/A
Centres - Office		0.9	15 - 30	
Centres - Showroom		0.9	10 - 40	
High impact Industry		0.9	5	
Low impact Industry		0.9	9	
Community		0.9	12 - 40	
Rural/Other		As determined by *Council* or Unitywater		

4.3 Priority infrastructure area

4.3.1 Purpose

The priority infrastructure area identifies the area the local government gives priority to provide trunk *infrastructure* for urban development.

4.3.2 Determination of the priority infrastructure area

(1) The priority infrastructure area is the area where suitable and adequate development infrastructure generally exists or where it can be provided most efficiently.

(2) The priority infrastructure area has been determined having regard to that part of the planning scheme area which is suitable for urban development up to 2031 under the planning scheme.

4.3.3 Priority infrastructure area maps

The priority infrastructure area and the local plan areas (relative to the priority infrastructure area) are identified in **Schedule 3 (Priority infrastructure plan mapping and support material)**.

4.4 Desired standard of service

4.4.1 Purpose

(1) The desired standard of service details the standards that comprise an *infrastructure* trunk network most suitable for the local context.

(2) The desired standard of service is supported by the more detailed network design standards included in planning scheme policies.

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4.4.2 Water supply trunk network

For the water supply network, the *distributor-retailer* has adopted the following desired standards of service:-

(a) water supplied for human consumption complies with the National Health and Medical Research Council's (NHMRC) Australian Drinking Water Guidelines for colour, turbidity and microbiology;

(b) potable water is collected, stored, treated and conveyed from source to consumers in the manner prescribed, and to the standards required, under the *Water Act 2000*;

(c) non-revenue water loss does not exceed industry *best practice*;

(d) the water supply network is constructed to the adopted design parameters identified in Table 4.4.2 (Desired standard of service for the water supply network); and

(e) separate demand assumptions and peaking factors have been adopted for each of the following cases:-

(i) Case 1 *Dwellings* – Properties constructed prior to being subject to the water saving targets in the Queensland Development Code (QDC) - Conventional Potable Supply;
(ii) Case 2 *Dwellings* – Properties built subject to the water saving targets in the QDC - Conventional Potable Supply and Rainwater Tanks to Toilets; and
(iii) Case 3 *Dwellings* – New development in greenfield areas - Dual Reticulation Supply + Rainwater Tanks.

Table 4.4.2 Desired standard of service for the water supply trunk network

Description	Adopted design parameter
Water Demand	
1 Average Day Demand (AD)	Demands per Equivalent Tenement (ET) for Case 1 *Dwellings* (L/ET/day)

Land Use Group	Existing	2011	2016	2021	2031	Ultimate
Single Family Residential (SFR)	804	774	733	705	669	653
Multiple Family Residential (MFR)*	683	654	618	593	562	548
Rural Residential (RUR)	804	774	733	705	669	653
Commercial (COM)	804	785	767	758	754	750
Industrial (IND)	804	785	767	758	754	750

Demands per Equivalent Tenement (ET) for Case 2 *Dwellings* (L/ET/day)

Land Use Group	Existing	2011	2016	2021	2031	Ultimate
Single Family Residential (SFR)	405	390	366	353	340	336
Multiple Family Residential (MFR)*	493	476	451	436	425	421
Rural Residential (RUR)	405	390	366	353	340	336
Commercial (COM)	804	785	767	758	754	750
Industrial (IND)	804	785	767	758	754	750

Demands per Equivalent Tenement (ET) for Case 3 *Dwellings* (L/ET/day)

Land Use Group	Existing	2011	2016	2021	2031	Ultimate
Single Family Residential (SFR)	367	353	331	318	306	303
Multiple Family Residential (MFR)*	377	364	343	332	325	322
Rural Residential (RUR)	367	353	331	318	306	303
Commercial (COM)	603	589	575	569	566	563
Industrial (IND)	603	589	575	569	566	563

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	Description	Adopted design parameter
		* MFR value is not per *dwelling*. 0.69 ET per attached *dwelling* has been assumed^^. The demand per residence identified for an attached *dwelling* has been divided by 0.69 to derive a demand per ET. System Losses

	Existing	2011	2016	2021	2031	Ultimate
(%) production assumed as System Losses	16.0%	14.0%	12.0 %	11.0 %	10.5 %	10.0%

Where: A detached residential *dwelling* is considered an equivalent tenement (ET) and a person living within a detached *dwelling* is considered an equivalent person (EP).

^^ Assumed conversion ratios:-

- Detached Residential *Dwellings*: 2.7 EP / ET
- Attached Residential *Dwellings*: 1.8 EP / ET
- For the areas covered by the Caloundra South and Palmview Infrastructure Agreements attached *dwellings* have been loaded with 0.69 ET.

Peaking Factors

2 Case 1 *Dwellings*

Land Use Group	Mean Day Maximum Month (MDMM)	Maximum Day (MD)	Maximum Hour (MH)
Single Family Residential (SFR)	1.5	1.9	4
Multiple Family Residential (MFR)	1.5	1.9	3.5
Rural Residential (RUR)	1.5	1.9	4
Commercial (COM)	1.5	1.9	2.85
Industrial (IND)	1.5	1.9	2.66

3 Case 2 *Dwellings*

Land Use Group	MDMM	MD	MH
Single Family Residential (SFR)	2.6	3.7	7.8
Multiple Family Residential (MFR)	1.8	2.5	4.6
Rural Residential (RUR)	2.6	3.7	7.8
Commercial (COM)	1.5	1.9	2.85
Industrial (IND)	1.5	1.9	2.66

4 Case 3 *Dwellings*

Land Use Group	MDMM	MD	MH
Single Family Residential (SFR)	2.0	2.5	4.2
Multiple Family Residential (MFR)	1.9	2.4	4.1
Rural Residential (RUR)	2.0	2.5	4.2
Commercial (COM)	1.5	1.8	2.7
Industrial (IND)	1.5	1.8	2.5

System Pressure

5	Minimum Operating Pressure	At maximum hour demand, the minimum pressure at the water meter shall not be less than 20m of head. (In isolated high level areas, the minimum operating pressure may be reduced to 16m above the highest elevation on any lot with the water level in the reservoir not more than 1.0m above reservoir floor level).
6	Maximum Operating Pressure	80m of head at the property's water meter.

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	Description	Adopted design parameter
		Fire Fighting Requirements
7	System Pressure	12m minimum pressure head at the hydrant/dedicated service location, and minimum 6m pressure head at any location in the water supply zone during the fire event with model conditions as detailed in Items 8, 9 and 10.
8	Fire Flow	For predominantly residential development, no more than 3 *storeys* in height - 15 L/s simultaneous with the background demand prescribed in Item 9 for a period of 2 hours. For predominantly commercial/industrial development, or residential buildings greater than 3 *storeys* in height - 30 L/s simultaneous with the background demand prescribed in Item 9 for a period of 4 hours. Note that each special risk/hazard land use may require an even greater fire flow.
9	Background demand	2/3 of MH demand
		Storage
10	Ground Level Storage	Required Storage = [1.3 x MD] Potable Ground Level Reservoirs in Dual Reticulation Networks = [1.8 x MD]
11	Elevated Storage	Required Storage Volume = Operating Volume + Fire Fighting Reserve Where: Operating Volume = 6 x (MH – 1/12 MDMM) Fire Fighting Reserve = 150 kL Or Maintenance of storage is demonstrated through dynamic modelling where the operation of the supply pumping station is acceptable and the pumping station contains adequate security against power failure. Performance is to be tested using dynamic modelling.
		Pumping Capacity
12	Duty pump capacity to serve ground level reservoirs	Supply MDMM demand in no more than 20 hours of operation in any 24 hour period.
13	Pumps serving elevated storage	Pump must discharge not less than:- [(6 x MH) – Operating Volume]/(6 x 3600) Where:- Operating Volume is as prescribed in item 13 above.
14	Standby Pump Capacity	Equal to the capacity of the largest duty pump
		Pipeline Design
15	Trunk Main Capacity	Sized for MDMM flows
16	Reticulation Capacity	Sized for Maximum Hour and Fire Flow
17	Friction Default Values	Hazen Williams Coefficients of Friction:-

Material	Diameter (mm)				
	100	150-200	250-300	375-600	>600
Mild steel concrete lined	110	120	125	130	135

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Description		Adopted design parameter					
		(MSCL)					
		Ductile iron concrete lined (DICL)	100	110	120	125	130
		Ductile iron (DI)	100	110	115	120	125
		Cast iron concrete lined (CICL)	100	110	120	125	130
		Cast iron (CI)	100	110	115	120	125
		UPVC	110	120	125	130	135
		Asbestos cement (AC)	100	110	115	120	125
		Other	100	110	115	120	125
18	Maximum Flow Velocity	Not to exceed 2.5m/s					

4.4.3 Sewerage trunk network

For the sewerage network, the *distributor-retailer* has adopted the following desired standards of service:-

(a) a reliable network that collects, stores and treats sewage from premises to industry *best practice* is provided; and

(b) the sewerage network is designed and constructed to the standards prescribed in:-

(i) the Council's adopted standards identified in the planning scheme and associated planning scheme policies;
(ii) Water Services Association of Australia (WSAA) guidelines;
(iii) *Water Act 2000*;
(iv) all Environmental Protection Agency (EPA) licence conditions; and
(v) the adopted design parameters identified in Table 4.4.3 (Desired standard of service for the sewerage trunk network).

Table 4.4.3 Desired standard of service for the sewerage trunk network

Description		Adopted Design Parameter
Occupancy Ratio		
1	Equivalent Person (Sewerage) / Equivalent Tenement (EPS/ET).	2.7 EPs/ET Note that one equivalent person (sewerage) is equivalent to the service demand from a single occupant of an average occupied detached house, while one equivalent tenement is equivalent to the service demand from an average occupied detached house.
Sewage Loading		
2	Average Dry Weather Flow (ADWF).	600 L/ET/d.
3	Peak Wet Weather Flow (PWWF).	5 X ADWF for conventional gravity sewers 4 X ADWF for reduced infiltration gravity sewers
4	Peak Dry Weather Flow (PDWF).	C_2 x ADWF where C_2=4.7 x (2.7 x ET) $^{-0.105}$
Gravity Sewer Design		
5	Flow calculation method.	Manning's Equation

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<table>
<tr><th colspan="2">Description</th><th>Adopted Design Parameter</th></tr>
<tr><td>6</td><td>Manning's 'n'.</td><td>
<table>
<tr><th>Material</th><th>Manning's Roughness Coefficient (n Value)</th></tr>
<tr><td>Cement Mortar</td><td>0.013</td></tr>
<tr><td>Ceramics</td><td>0.014</td></tr>
<tr><td>Smooth Concrete</td><td>0.012</td></tr>
<tr><td>Normal Concrete</td><td>0.013</td></tr>
<tr><td>Rough Concrete</td><td>0.015</td></tr>
<tr><td>Iron (cast)</td><td>0.014</td></tr>
<tr><td>Iron (wrought)</td><td>0.015</td></tr>
<tr><td>PVC / Plastic / PE</td><td>0.013</td></tr>
<tr><td>Stone</td><td>0.013</td></tr>
<tr><td>Vitrified Clay</td><td>0.014</td></tr>
</table>
</td></tr>
<tr><td>7</td><td>Minimum Size</td><td>150mm</td></tr>
<tr><td>8</td><td>Minimum velocity at PDWF.</td><td>0.7 m/s</td></tr>
<tr><td>9</td><td>Depth of Flow at PWWF – Existing system.</td><td>Maximum hydraulic grade level = 1.0 m below MH cover level and no spillage through overflow structures.</td></tr>
<tr><td>10</td><td>Depth of Flow at PWWF – Proposed sewers.</td><td>≤ 0.75 x Pipe Diameter</td></tr>
<tr><td>11</td><td>Minimum Grades</td><td>
<table>
<tr><th>Diameter (mm)</th><th>Grade %</th></tr>
<tr><td>150*</td><td>0.55</td></tr>
<tr><td>225</td><td>0.33</td></tr>
<tr><td>300</td><td>0.25</td></tr>
<tr><td>375</td><td>0.17</td></tr>
<tr><td>450</td><td>0.14</td></tr>
<tr><td>525</td><td>0.12</td></tr>
<tr><td>600</td><td>0.10</td></tr>
<tr><td>750</td><td>0.08</td></tr>
</table>
* For ET's < 2 the minimum grade for a 150 mm diameter main = 1.25%
* For ET's 2-5 the minimum grade for a 150 mm diameter main = 1.00%
</td></tr>
<tr><td colspan="3">Rising Main Design</td></tr>
<tr><td>12</td><td>Flow Equation.</td><td>Hazen Williams.</td></tr>
<tr><td>13</td><td>Friction Factors.</td><td>
<table>
<tr><th>Material</th><th>Hazen Williams Roughness Coefficient (C Value)</th></tr>
<tr><td>Cement Mortar</td><td>130</td></tr>
<tr><td>Ceramics</td><td>110</td></tr>
<tr><td>Smooth Concrete</td><td>140</td></tr>
<tr><td>Normal Concrete</td><td>130</td></tr>
<tr><td>Rough Concrete</td><td>100</td></tr>
<tr><td>Iron (cast)</td><td>110</td></tr>
<tr><td>Iron (wrought)</td><td>100</td></tr>
<tr><td>PVC / Plastic / PE</td><td>130</td></tr>
<tr><td>Stone</td><td>130</td></tr>
<tr><td>Vitrified Clay</td><td>110</td></tr>
</table>
</td></tr>
<tr><td>14</td><td>Maximum Velocity.</td><td>Maximum velocity under single pump operation (new mains) - 2 m/s (1.5 m/s target)
Maximum velocity under all pump operation (new mains) - 2.5 m/s</td></tr>
</table>

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Description		Adopted Design Parameter
		~~Existing mains - 2.5 m/s (single pump) and 3 m/s (all pumps)~~
~~Wet Well Performance Criteria~~		
~~15~~	~~Wet Well Operating Storage~~	~~[0.9 X Single pump capacity) / N]~~ ~~Where:-~~ ~~N = number of pump starts~~ ~~N = 12 starts for motors less than 50kW~~ ~~N = 5 starts for motors greater than 50kW~~ ~~Operating Storage is between pump start and pump stop levels~~
~~16~~	~~Minimum Wet Well Diameter~~	~~2.4m~~
~~Pumping Station Performance Criteria~~		
~~17~~	~~Duty Pump Capacity for existing pumping stations.~~	~~Not less than C1 x ADWF where C_1 = 15 x (2.7 x ET) $^{-01587}$ Minimum value of C_1 = 3.5~~ ~~PWWF = 5 X ADWF~~
~~18~~	~~Duty Pump Capacity for new pumping stations in areas with conventional sewerage networks~~	~~5 x ADWF~~
~~19~~	~~Duty Pump Capacity for new pumping stations in areas with reduced infiltration gravity sewers~~	~~4 x ADWF~~
~~20~~	~~Standby Pump Capacity.~~	~~Equivalent to capacity of the duty pump.~~
~~Emergency Storage Performance Criteria~~		
~~21~~	~~Emergency Storage.~~	~~Conventional Sewers: 4 hours of ADWF (can include system storage below the wet well overflow level)~~ ~~Reduced Infiltration: 12 hours of ADWF (can include system storage below the wet well overflow level)~~

~~4.4.4~~4.4.2 Stormwater quality trunk network

(1) The purpose of the stormwater quality trunk infrastructure network desired standards of service (DSS) is to identify the network outcomes and *infrastructure* design standards that contribute towards improved management of stormwater quality. The Priority Infrastructure Plan (PIP) identifies the stormwater quality trunk network infrastructure that will contribute towards the protection of *waterway* environmental values, public health and amenity through delivery of improved stormwater quality outcomes in line with the DSS.

(2) The DSS includes the associated *infrastructure* design standards, presented in **Table 4.4.24 (Desired standard of service for the stormwater quality trunk network)**, and apply in respect to the stormwater quality trunk infrastructure network. The focus of the stormwater quality trunk network is to contribute to achieving these DSS outcomes at catchment and regional scales across the Sunshine Coast. Trunk stormwater quality infrastructure is additional to the stormwater quality infrastructure that a developer is required to supply as part of a specific development in order to comply with the Planning Scheme Provisions. Non-trunk stormwater quality infrastructure is comprehensively addressed in specific Planning Scheme Provisions.

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(3) The PIP trunk stormwater quality infrastructure network contributes to achieving the following desired service outcomes:-

(a) improved quality of stormwater entering receiving waters;

(b) improved environmental values of *waterways* and other receiving environments;

(c) provision of effective stormwater quality systems that are conducive to the protection of people, property and the environment from negative effects associated with stormwater runoff; and

(d) stormwater management measures are designed to minimise lifecycle costs.

Table 4.4.24 Desired standard of service for the stormwater quality trunk network

Desirable Performance Outcomes		Desirable Design Criteria	
Stormwater Quality			
PO1	**Frequent (low) flow management, waterway stability and sediment transport** Protection of *waterway* stability and ecological low flows through implementation of appropriate discharge regimes.	DC1	Stormwater discharges are managed to achieve the *waterway* stability objective and the frequent (low) flow management objective consistent with the intent of the **Planning scheme policy for development works.**
PO2	**Protection of environmental values** Protection or enhancement of the environmental values and water quality objectives[2] of receiving waters or *buffer* areas.	DC2	As a minimum requirement, treatment measures contribute to achieving the stormwater pollutant load reduction objectives specified in the **Planning scheme policy for development works.**
PO3	**Natural processes and materials** Treatment measures utilise natural processes and materials wherever practicable.	DC3	Treatment measures are designed to be consistent with the intent of the **Planning scheme policy for development works**.
PO4	**Health, safety and aesthetic hazards** Treatment measures are designed to eliminate or minimise health, safety and aesthetic hazards.	DC4	Risks associated with insect breeding, odour and public safety are minimised by designing treatment systems consistent with the intent of the **Planning scheme policy for development works.**
PO5	**Maintenance costs** Treatment measures are designed to minimise maintenance, renewal and adaptation costs and the requirement for specialised equipment or maintenance techniques.	DC5	Design achieves acceptable maintenance, renewal and adaptation costs for the project life[3] consistent with the intent of the **Planning scheme policy for development works.**

~~4.4.5~~4.4.3 Transport trunk network

The desired standard of service for the transport trunk network as owned, planned and funded by *Council* is stated in the following:-

(a) **Table 4.4.35A (Design characteristics and requirements for urban transport corridors)** which states the design characteristics and requirements for urban transport corridors;

(b) **Table 4.4.35B (Design characteristics and requirements for rural transport corridors)** which states the design characteristics and requirements for rural transport corridors; and

(c) **Table 4.4.35C (Design characteristics and requirements for pathways outside road reserves)** which states the design characteristics and requirements for pathways outside road reserves.

[2] Water quality objectives are prescribed in Schedule 1 of the *Environmental Protection (Water) Policy 2009*.
[3] Project life is a minimum of 50 years, unless the asset is proposed to be decommissioned in a shorter period.

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Table 4.4.35A Design characteristics and requirements for urban transport corridors

Criteria		Arterial Roads			Sub-arterial Roads			District Streets ∞	
		Highway / Motorway	Arterial Road	Arterial Main Street	Distributor	Controlled Distributor	Sub-Arterial Main Street	District Collector Street	District Main Street
Minimum reserve width (metres)		40-100	40-60	29.8- 39.4	29.6 - 37	24-30	29.8- 39.4	Non-trunk	
Minimum design speed (km/h)		80-110	70	60	70	60	50		
Maximum desirable volume / capacity ratio by location		0.75	0.85	0.85	0.85	0.85	0.85		
Maximum traffic volume (vehicles/day) * may increase to 10,000 if no direct vehicle *access*	per lane		9000	8000	8000	7000	6000		
Vehicle property access + only via service roads or signalised intersections ++ subject to safety and locational criteria		none	+	limited to existing	major development only ++	ideally none, limited to existing and consolidated			
General traffic lanes		2-6	2-4	2-4	2-4	2-4	2-4		
Transit / bus lanes			●		○	○	○		
Pathways * Fully paved through centres		grade separated	both sides	both sides	both sides	both sides*		both sides	both sides*
On-road cycling lanes		refer DTMR	●	●	●	●	●	●	●
Pedestrian/ cyclist crossings	refuge		●	●	●	●	●	●	●
	signalised		●	●	●	●	●		●
	zebra				○	○	●		●
	grade separated	●	●						
Public transport	bus routes and stops		●	●	●	●	●	Non-trunk	
	bus priority measures		○	●	○	●	●		
On-street parking				●		●	●		
Intersection treatments accommodate pedestrians and link cycle lanes and pathways	priority T		●	●	●	●	●		
	priority 4-way								
	roundabout		●	●	●	●	●		
	traffic signals		preferred	●	●	●	●		
	grade separated	●	●						
Minimum intersection spacing (metres) + 150 if constrained by existing development		1.5-2km	0.5-1km	>150	300	300+	>150		
Freight route		primary (except through populated areas)	yes	yes	yes	selected routes			
Dangerous goods route			restricted *access*		restricted access				

Notes— ∞ District streets only include desired standards relevant to pathways and cycleways
○ Optional at discretion of *Council*
TMR current guidelines or standards apply to planning and design of State-controlled roads.
Refer to SC6.18 Planning scheme policy for the transport and parking code for detailed design criteria.

Table 4.4.35B Design characteristics and requirements for rural transport corridors

Criteria		Arterial Roads		Sub-arterial roads	
		Highway / Motorway	Arterial Road	Distributor	Controlled Distributor
Minimum reserve width (metres)		100	60	45	35
Design speed (km/h)		110	100	80	80
Maximum desirable volume / capacity ratio by location		0.7	0.75	0.75	0.75
Maximum traffic volume (vehicles/day)		>40,000	20,000-40,000	<15,000	<15,000
Vehicle property access		none	limited/ existing	limited/existing	
Pathways		none required		none required	
Traffic lane width (metres)		volume driven		3.5	
Sealed shoulder		●		●	
On-road cycling lane accommodated on sealed shoulders		refer DTMR	●	●	
Public transport route		●	○	○	○
Intersection treatments	priority T	●	●	●	●
	roundabout	●	●	●	●
	traffic signals	●	●	●	●
	grade separated	●¥			
May intersect with	neighbourhood collector				●
	district collector			●	●
Minimum intersection spacing (metres)		5 to 8 km	>1000	300	300
Freight route		primary	primary/secondary	secondary	
Dangerous goods route			selected routes		

Notes— ○ Optional at discretion of *Council*
¥ Applies to motorways only
TMR current guidelines or standards apply to planning and design of State-controlled roads.
Refer to SC6.18 Planning scheme policy for the transport and parking code for detailed design criteria.

Table 4.4.35C Design characteristics and requirements for pathways outside road reserves

Criteria	Pathways outside road reserves		
Minimum widths	**Local Access**	**Commuter**	**Recreational**
Constrained width	2.0m	2.5m	2.0m
Nominal width	2.5m	3.0m	2.5m
Preferred width	3.0m	3.5m	3.0m

Note—Refer to SC6.18 Planning scheme policy for the transport and parking code for detailed design criteria.

~~4.4.6~~4.4.4 Public parks and land for community facilities trunk network

The public parks and land for community facilities trunk network includes:-

(a) public parks – recreation parks and sports grounds; and

(b) land for community facilities – aquatic, art gallery, *cemetery*, meeting spaces, learning and *emergency services*.

~~4.4.6.1~~4.4.4.1 Public parks network

The desired standard of service for the public parks trunk network is stated in the following:-

(a) **Table 4.4.46A (Provision of public parks trunk network)** which states the provision rate of public parks network;

(b) **Table 4.4.46B (Public parks trunk network attributes)** which states the attributes of the public parks network; and

(c) **Table 4.4.46C (Typical embellishments for the public parks trunk network)** which identifies the typical embellishments for the public parks trunk network.

Table 4.4.46A Provision of public parks trunk network

Park type		Park characteristics		Park catchment	
Category	Catchment	Minimum area	Minimum width	Catchment	Park provision
Recreation parks	Civic Park	0.5 ha	50 m	Within a community hub	1 per community hub
	District	3-5 ha	50 m	5 km (within 30 min. walk, 20 min. cycle, 10 min. drive).	1.3 ha per 1000 people
	Sunshine Coast-wide (SCW)	10-20 ha	100 m	30 km (public transport routes and cycleway and within 30 min. drive).	0.7 ha per 1000 people
Sports grounds	District	7-15 ha	150 m	10 km (30 min. cycle, 10 min. drive).	1.5 ha per 1000 people
	SCW	20 ha	300 m	30 km (public transport routes and cycleway and within 30 min. drive).	0.5 ha per 1000 people
	Specific purpose sport	20 ha	300 m	50-100 km (public transport routes and within 60 min. drive).	Max 0.2 ha per 1000 people

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Table 4.4.46B Public parks trunk network attributes

Public parks trunk network attributes	
Recreation park – Civic Park	
Size and topography • Minimum of 0.5 ha contains adequate space for civic events. • Minimum width 50m. **Access and location** • Good physical and visual connectivity with active areas, civic spaces and commercial and community facilities including cafés, restaurants, etc. **General** • At least two sides or approx 50 % of the total perimeter to have road *frontage*. • Key use areas meet disability access requirement. **Provision** • 1 per community hub.	**Linkages** • In urban areas, linked by quality recreation trail network or a pedestrian and bicycle network . • Pathways networks located within open space not to conflict with primary *park* uses. **Landscape and character** • Character reflective of local identity and heritage values/space. Designed and managed to support diverse recreational and social activities. • Retain existing trees at strategic locations. Plant new trees to contribute to shade and green relief. • Where a *park* has been located to provide views, key viewpoints need to be protected. **Natural assets (vegetation)** • Planting to provide diversity of layers and qualities for wildlife needs – food sources, connection, protection and breeding. • Planting style allowing for cleared area. • Protect and sustain *ecologically important areas*/ support local biodiversity consistent with primary function. **Safety and security** • The use of Crime Prevention through Environmental Design (CPTED) principles relevant to level of risk and nature of setting. • Play spaces are located in safe areas. • Safe *access* for pedestrians. • Emergency vehicle *access*. **User benefits** • Open area for passive recreation/ shaded spaces for social interaction/provide visual amenity for external users. **Flood immunity** • Land to be above Q20 (*defined flood event*). • Buildings are to be above Q100. • Open and social spaces are well drained.
Recreation park - district	
Size and topography • 3-5 ha. • Where the topography is such that additional land is required to achieve the required facilities and setting, land area can be increased to accommodate these facilities. • Minimum width 50m. **Access and location** • 5 km from most residences. • Generally located in urban areas or areas of special interest and may adjoin other community facilities. • On or close to a distributor or arterial road and within walking distance to regular public transport. • At least one side or approx 25% of perimeter to have road *frontage*. • Provision of off street car parking can be considered. **Provision** • Approximately 1.3 ha per 1000 people. **Linkages** • In urban settings, located on a recreation trail or on a pedestrian and bicycle network. • Will often provide a trail head for urban and	**Natural assets (vegetation)** • Encourage community to accept 'bushland' planting style while allowing for kick about cleared area, play spaces, event spaces and community garden areas. • Planting to provide diversity of layers and qualities for wildlife needs – food sources connection, protection and breeding. • Protect and sustain *ecologically important areas*/ support local biodiversity consistent with primary function. **Safety and security** • The use of Crime Prevention through Environmental Design (CPTED) principles relevant to level of risk and nature of setting. • Play spaces are located in safe areas. • Emergency vehicle *access*. **User benefits** • District recreation parks provide a more diverse range of passive, social, cultural and recreational experiences through supporting land and *infrastructure*. **Flood immunity** • Land to be above Q20 (*defined flood event*). • Buildings are to be above Q100.

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Public parks trunk network attributes	
non-urban trails. • Pathways networks located within open space not to conflict with primary *park* uses. **Landscape and character** • Character reflective of local identity and heritage values. • Retain existing trees at strategic location and planting new trees to contribute to broader amenity of the area. • Kick about spaces to be retained for passive recreation opportunities and spaces to accommodate events. • Consider use of durable materials and more permanent features (e.g. walls). • Where a *park* has been located to provide views, key viewpoints need to be identified and planted with lower *vegetation* where replanting occurs.	• Kick about and social spaces are well drained.
Recreation park – Sunshine Coast-wide (SCW)	
Size and topography • 10-20 ha. • Minimum width 100m. **Access and location** • In urban areas <30 km, in rural <50 km from most residences. • On or close to arterial road with regular public transport to the *site*. • At least one side or approx 25% of perimeter to have road *frontage*. • Provision of dispersed onsite car parking essential to reduce visual impact. • In rural areas located on a recreation trail or with access to a river where possible. • Generally located in or adjacent to urban areas however rural and hinterland areas may provide opportunities to achieve specific functions. **Provision** • Approx 0.7 ha per 1000 people. **Linkages** • In rural or urban settings, located on a recreation trail or on a pedestrian and bicycle network. • Provides a trail head for urban and non-urban trails. • Pathways networks located within open space not to conflict with primary *park* uses. **Landscape and character** • Character reflective of local identity and heritage values. • Retain existing trees at strategic locations and plant new trees to contribute to broader amenity of the area. • Larger open spaces (e.g. kick about space) to be retained for passive recreation and social opportunities (e.g. major events). • Consider use of durable materials and more permanent features (e.g. walls). • Where a *park* has been located to provide views, key viewpoints need to be identified and planted with lower *vegetation* where replanting occurs.	**Natural assets (vegetation)** • Encourage community to accept 'bushland' planting style while allowing for kick about cleared area. • Planting to provide diversity of layers and qualities for wildlife needs – food sources connection, protection and breeding. • Protect and sustain *ecologically important areas*/ support local biodiversity consistent with primary function. **Safety and security** • The use of Crime Prevention through Environmental Design (CPTED) principles relevant to level of risk and nature of setting. • Play spaces are located in safe areas. • Emergency vehicle *access*. **User benefits** • Sunshine Coast wide recreation park provides for a large range of outdoor and passive recreational experiences including play spaces, open space and informal kick about area, landscape and amenity and provides BBQ, shelters and major gathering spaces and opportunities for festivals and celebration. • Botanic gardens contain formal thematic gardens, visitor facilities including spaces that support interpretation, art, research, education and arboreta. **Flood immunity** • Land to be above Q20 (*defined flood event*). • Buildings are to be above Q100. • Kick about and social spaces are well drained.
Sport grounds – district	
Size and topography • 7-15 ha. A number of sports may co-locate or adjoin district recreation parks creating a	**Natural assets (vegetation)** • Boundary area and corners of site substantially planted with locally native tree/shrub species.

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Public parks trunk network attributes	
larger open space. • Principally a flat *site* with 5 % gradient or less. • Minimum width 150m. **Access and location** • In urban areas <10 km. • Close to a collector road with on-site car parking provided. • At least one side or approx 25 % of perimeter to have road *frontage*. • In higher density areas co-locate with community infrastructure where possible. • Located on public transport routes. **Provision** • Approximately 1.5 ha per 1000 people. **Linkages** • In rural or urban settings, located on a recreation trail or on a pedestrian and bicycle network. • Will often provide a trail head for urban and non-urban trails. **Landscape and character** • Character reflective of local identity and heritage values. • Designed to reduce impact of flood lighting on adjacent areas. • Use of appropriate design and management principles (e.g. on-site water storage and treatment) to reduce nutrient flow and weed invasion from the *site*. • Designed to positively contribute to the amenity of surrounding areas. • Shade trees dividing fields, shaded car parking.	• Planting to provide diversity of layers and qualities for wildlife needs – food sources connection, protection and breeding. **Safety and security** • The use of Crime Prevention through Environmental Design (CPTED) principles relevant to level of risk and nature of setting. • Play spaces are located in safe areas. • Emergency vehicle *access*. **User benefits** • District sports grounds provide community access to a variety of active formal sporting, cultural and recreation facilities. **Flood immunity** • Building and fenced areas above Q100. • Playing fields above Q20. • *Wetland* treatment areas above Q10. • Playing surfaces are well drained.
Sport grounds – Sunshine Coast-wide (SCW)	
Size and topography • Minimum of 20 ha may co-locate or adjoin district recreation parks creating a larger open space. • Principally a flat *site* with 5 % gradient or less. • Sufficient land above Q100 to house required facilities and amenities. • Minimum width 300m. **Access and location** • In urban township areas >50 km, in rural residential >50 km from most residences. Close to major arterial road with regular public transport to the *site*. • Ideally close to other major recreation reserves. • At least one side or approx 25 % of the perimeter to have road *frontage*. • Dispersed on-site car parking. • Located on public transport routes. **Provision** • Approximately 0.5 ha per 1000 people. **Linkages** • In rural or urban settings, located on a recreation trail or on a pedestrian and bicycle network. • Located on a recreation trail or on a pedestrian and bicycle network. Will often act as a trail head for urban and non-urban trails. **Landscape and character** • Character reflective of local identity and heritage values. • Designed to reduce flood light impacts	**Natural assets (vegetation)** • Boundary area and corners of *site* substantially planted with locally native tree/shrub species. • Planting to provide diversity of layers and qualities for wildlife needs – food sources connection, protection and breeding. • Use of appropriate design and management principles (e.g. on-site water storage and treatment) to reduce nutrient flow and weed invasion from the *site*. **Safety and security** • The use of Crime Prevention through Environmental Design (CPTED) principles relevant to level of risk and nature of setting. • Play spaces are located in safe areas. • Emergency vehicle *access*. **User benefits** • Sunshine Coast wide sports grounds provide access to a wide variety of active sport and recreation facilities capable of hosting larger events and competitions. **Flood immunity** • Building and areas above Q100. • Playing fields above Q20. • *Wetland* treatment areas above Q10. • Playing surfaces are well drained.

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Public parks trunk network attributes	
adjacent areas. • Use of appropriate design and management principles (e.g. on-site water storage and treatment) to reduce nutrient flow and weed invasion from the *site*. • Designed to positively contribute to the amenity of surrounding areas. • Shade trees dividing fields, shaded car parking.	

Table 4.4.46C Typical embellishments for the public parks trunk network

Embellishments	Recreation parks			Sports grounds	
	Civic Park	District	SCW	District	SCW
Earthworks (grading, levelling and grassing)	✓	✓	✓	✓	✓
Weed free	✓	✓	✓	✓	✓
Tree planting	✓	✓	✓	✓	✓
Signage (name/info)	✓	✓	✓	✓	✓
Interpretive signage	✓	✓	✓		
Road *access* (external)		✓	✓	✓	✓
Vehicle *access*/road (internal/fire management)		✓	✓	✓	✓
Vehicle *access* (emergency vehicles)	✓	✓	✓	✓	✓
Car parking (on-site)		✓	✓	✓	✓
Vehicle barriers/bollards	✓	✓	✓	✓	✓
Bicycle racks	✓	✓	✓	✓	✓
Footpath/bikeway (internal)		✓	✓	✓	✓
Footpath/bikeway (external link)		✓	✓	✓	✓
Flat well drained play area	✓	✓	✓	✓	✓
Bench seating	✓	✓	✓	✓	✓
Picnic table/shelters		✓	✓	✓	✓
Barbecues		✓	✓		
Toilets		✓	✓	✓	✓
Playspace/youth/fitness equipment with shade	✓	✓	✓		✓
Lighting/security lighting	✓	✓	✓	✓	✓
Field lighting				✓	✓
Fenced dog park		✓	✓		
Landscape/gardens	✓	✓	✓	✓	✓

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Embellishments	Recreation parks			Sports grounds	
	Civic Park	District	SCW	District	SCW
Multi purpose fields				✓	✓
Multi purpose courts				✓	✓
Storage sheds			✓	✓	✓
Clubhouses/change rooms				✓	✓
Spectator seating (basic)				✓	✓
Bus set down	✓		✓	✓	✓
Rubbish bins	✓	✓	✓	✓	✓
Drainage		✓	✓	✓	✓
Fencing		✓	✓	✓	✓
Design (Master Plan, concept plan and detailed design)	✓	✓	✓	✓	✓
Suitable building *sites*			✓		✓
Serviced *site* – water, sewerage, electricity	✓	✓	✓	✓	✓

~~4.4.7~~4.4.5 Land for community facilities trunk network

The desired standard of service for the land for the community facilities trunk network is to provide an accessible network of land for community facilities that meets the needs of the population and employees in accordance with the requirements set out in **Table 4.4.~~5~~7 (Requirements for land for the community facilities trunk network)**.

Table 4.4.~~5~~7 Requirements for land for the community facilities trunk network

Facility	Provision rate/hierarchy	Gross floor area/land area
Aquatic facility	**Major District:** 1:50,000/10km	1500m²/15,000m²
	Sunshine Coast wide: 1	2000m²/20,000m²
Arts facility	**District** Arts multipurpose space: 1:30,000 Rehearsal space: 1:30,000	**District** 800m²/5000m² 800m²/5000m²
	Sunshine Coast wide Art Gallery: 1:>150,000 Performance Centre: 1:>120,000 Exhibition Centre: 1: >200,000	**Sunshine Coast wide** 1500m²/5000m² 1500m²/5000m² 7500m²/15,000m²
Cemetery	1:120,000	4-10 ha *site* area (approx.)
Community meeting place	**District**: 1:30,000	1500m²/5000m²
	Sunshine Coast wide: 1:>120,000	2000-5000m²/10,000m²
Indoor recreation facility	1:50,000	800m²/7500m²
Learning and information centre	**Branch:** 1:30,000 **Sunshine Coast wide**: 1:>150,000	As per State Library guidelines and NSW's People Places Min. public floor space of 150m² + 37-43m² per 1000 people + additional *GFA* based on staff training, meeting rooms, workshop areas, etc. Higher floor-space-to-people ratios for smaller

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Facility	Provision rate/hierarchy	Gross floor area/land area
		populations.
Volunteer emergency service facility	1:50,000	300m²/1500m²

4.5 Plans for trunk infrastructure

4.5.1 Purpose

The plans for trunk infrastructure identify the existing and proposed trunk infrastructure in the schedule of works which is intended to service, at the desired standard of service, the existing and projected residential development and non-residential development.

4.5.2 Schedule of works for future trunk infrastructure

The trunk infrastructure networks comprise the land and works for future trunk infrastructure in the schedule of works for future trunk infrastructure referenced in **section 4.6 (Schedule of maps, works and plans for trunk infrastructure)**.

4.5.3 Plans for trunk infrastructure

The trunk infrastructure networks identified in the schedules of works for trunk infrastructure are conceptually identified in the plans for trunk infrastructure in **Schedule 3 (Priority infrastructure plan mapping and support material)**.

4.5.4 Trunk infrastructure planning horizon

A trunk infrastructure network has been planned up to the planning horizon stated in **Table 4.5.4 (Trunk infrastructure network planning horizon)**.

Table 4.5.4 Trunk infrastructure network planning horizon

Column 1 Trunk infrastructure network	Column 2 Planning horizon
~~Water supply trunk network~~	~~2031~~
~~Sewerage trunk network~~	~~2031~~
Stormwater quality trunk network	2031
Transport trunk network	2031
Public parks and land for community facilities trunk network	2031

4.5.5 Trunk infrastructure networks systems and items

The trunk infrastructure networks identified in the schedule of works for trunk infrastructure typically include the systems and items stated in **Table 4.5.5 (Typical trunk infrastructure network systems and items)**.

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Table 4.5.5 Typical trunk infrastructure network systems and items

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Infrastructure network	Systems included	Items included
~~Water supply~~	~~Distribution~~	~~The following Infrastructure items, as shown on the priority infrastructure plan maps, are deemed to be trunk infrastructure for the purpose of planning and funding of the trunk water supply network:-~~ ~~a) pumping stations and trunk mains to transport the treated water to distribution or storage reservoirs or elevated tanks;~~ ~~b) distribution or non-regional storage reservoirs and elevated tanks;~~ ~~c) chlorination and re-chlorination equipment;~~ ~~d) trunk delivery and distribution infrastructure, generally 200mm diameter mains and larger, except where smaller size mains are the principal network component for transport of water from source of supply to distribution or storage reservoirs, and/or from storage reservoirs to the reticulation system;~~ ~~e) local control and monitoring systems;~~ ~~f) bulk water meters, pressure and flow control valves as well as the telemetry/SCADA systems which provide system monitoring and/or control.~~ ~~Specific Exclusions~~ ~~The water supply trunk infrastructure items included are restricted to the distribution network components only. Water treatment plants are neither owned nor operated by Unitywater. Treated water from these facilities is supplied to Unitywater under a Bulk Supply Agreement; hence, these facilities have been excluded from infrastructure charge calculations on the grounds that establishment costs are recovered by the current owner/operator through the water tariff detailed in the Bulk Supply Agreement.~~
~~Sewerage~~	~~Treatment~~ ~~Local collection~~	~~The following Infrastructure items, as shown on the priority infrastructure plan maps, are deemed to be trunk infrastructure for the purpose of planning and funding of the trunk sewerage network:-~~ ~~a) Infrastructure for treatment in the form of:-~~ ~~i. sewage treatment plants (STPs), including mechanical, electrical and control equipment;~~ ~~ii. advanced water treatment plants; and~~ ~~iii. flow measurement and telemetry/SCADA systems providing system monitoring and/or control.~~ ~~b) Infrastructure for collection and transport in the form of:-~~ ~~i. gravity sewers, generally 225mm and larger, except where smaller size sewers provide network connectivity from rising mains;~~ ~~ii. pumping stations and associated rising mains, which transport the sewage to a treatment plant or other pump station, except where those pump stations are not owned by Unitywater; and~~ ~~iii. emergency storage for pumping stations.~~
Stormwater	Quality	• Constructed wetlands, stormwater quality treatment devices, waterway and riparian zone bank stabilisation and protection. The nominated infrastructure will provide improvements to the overall water quality objectives, assessed at a regional level. Typically, stormwater quality treatment responsibilities conditioned on development do not replace trunk works~~*Wetlands*, stormwater quality improvement devices (SQIDs), *waterway* and riparian zone bank stabilisation and protection.~~
Transport	Roads	• *Council* controlled roads at arterial and sub-arterial hierarchy level. • Intersections between the following road hierarchy classifications: (i) Sub-arterial and sub-arterial (ii) Sub-arterial and arterial ~~(i)~~(iii) Arterial and arterial~~*Council* controlled roads –~~

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Infrastructure network	Systems included	Items included
	~~Council~~ *Active transport*	~~arterial, sub-arterial.~~ • ~~Bicycle and pedestrian pathways~~ and ~~.~~ • ~~o~~On-road cycle facilities at a regional and district hierarchy level.~~.~~
Public parks and land for community facilities	Public parks & land for community facilities	• All land and works for embellishments ~~for~~ for ~~*parks*~~ recreation parks and sports grounds ~~and embellishments for (SCW~~ Sunshine Coast wide and district level catchment facilities~~)~~. • Land only for Sunshine Coast wide and district level community facilities including learning and information centres, meeting halls, volunteer emergency services, cemeteries, arts facilities, and *indoor sport and recreation* facilities.

4.6 Schedule of maps, works and plans for trunk infrastructure

4.6.1 Priority infrastructure plan maps

The priority infrastructure plan includes the maps stated in **Table 4.6.1 (List of priority infrastructure plan maps)** and which are included in **Schedule 3 (Priority infrastructure plan mapping and support material)**.

Table 4.6.1 List of priority infrastructure plan maps

Column 1 Map number	Column 2 Title of map
Map PIPMA	Priority Infrastructure Plan Map - Priority Infrastructure Area
~~Map PIPMB~~	~~Priority Infrastructure Plan Map - Water supply trunk network~~
~~Map PIPMC~~	~~Priority Infrastructure Plan Map - Sewerage trunk network~~
Map PIPM~~D~~B	Priority Infrastructure Plan Map - Stormwater quality trunk network
Map PIPM~~E~~C(i)	Priority Infrastructure Plan Map - Transport trunk network (Roads)
Map PIPM~~E~~C(ii)	Priority Infrastructure Plan Map - Transport trunk network (Council active transport)
Map PIPM~~F~~D	Priority Infrastructure Plan Map - Public parks and land for community facilities trunk network

4.6.2 Schedule of works for future trunk infrastructure

The priority infrastructure plan includes the schedule of works for future trunk infrastructure as stated at a *base date* of 30 June 2011 in **Table 4.6.2 (Schedule of works for future trunk infrastructure)** and which are mapped in **Schedule 3 (Priority infrastructure plan mapping and support material)**. Further information on network planning is provided as extrinsic material.

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Table 4.6.2 Schedule of works for future trunk infrastructure

Column 1 Trunk infrastructure network	Column 2 Schedule of works for future trunk infrastructure
~~Water supply trunk network~~	~~Table W1-Water supply trunk network schedule of works~~
~~Sewerage trunk network~~	~~Table S1-Sewerage trunk network schedule of works~~
Stormwater quality trunk network	Table SW1-Stormwater quality trunk network schedule of works
Transport trunk network (Roads)	Table T1.1-Roads trunk network schedule of works (2011-2031) Table T1.2-Roads trunk network schedule of works (Post-2031)
Transport trunk network (Council *Active Transport*)	Table T2-Council active transport trunk network schedule of works
Public parks and land for community facilities trunk network (public parks)	Table CP1.1- Public parks network schedule of works (2011-2031) Table CP1.2- Public parks network schedule of works (Post-2031)
Public parks and land for community facilities trunk network (land for community facilities)	Table CP2- Council land for community facilities trunk network schedule of works

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Table W1 Water supply trunk network schedule of works

Map Ref	Project ID	Project Title	Asset Class	Year	Present Value @1/7/12
35	EMD-WMN-N-0016	Orana Street_BUDDINA Water Main FF New 225mm	Water Main FF	2013	$74,763
44	EMD-WRS-N-0002	Caloundra Road LITTLE MOUNTAIN Generator New	Generator	2016	$144,240
11	IMF-WMN-N-0008	Wattle Street, COOLUM BEACH Water Trunk Main	Water Main	2012	$844,811
18	IMF-WMN-N-0009	Lachland Drive, NAMBOUR Water Trunk Main	Water Main	2012	$649,208
18	IMF-WMN-N-0010	Windsor Rd NAMBOUR Water Main New 375mm	Water Main	2012	$772,820
19	IMF-WMN-N-0011	Conway Court_BLI BLI Water Main FF	Water Main	2012	$575,953
21/20,19/18/17	IMF-WMN-N-0028	Bli Bli Road NAMBOUR Water Mains New 600mm	Water Main	2016	$13,899,655
21/20	IMF-WMN-N-0100	Finland Road PACIFIC PARADISE 600 dia water main replacement	Water Main	2015	$2,693,383
10	IMF-WMN-N-0101	Ridges Boulevard, PEREGIAN SPRINGS Water Trunk Main	Water Main	2018	$728,025
19	IMF-WMN-N-0109	Finland Road Area, MOUNT COOLUM Water Trunk Main	Water Main	2018	$3,148,063
21/20,11	IMF-WMN-N-0110	Finland Road Area, MOUNT COOLUM Water Trunk Main	Water Main	2018	$8,529,840
11	IMF-WMN-N-0111	Finland Road Area, MOUNT COOLUM Water Trunk Main	Water Main	2018	$2,716,205
11	IMF-WMN-N-0112	Finland Road Area, MOUNT COOLUM Water Trunk Main	Water Main	2018	$395,727
11	IMF-WMN-N-0113	Finland Road Area, MOUNT COOLUM Water Trunk Main	Water Main	2018	$5,626,607
19	IMF-WMN-N-0114	Finland Road Area, MOUNT COOLUM Water Trunk Main	Water Main	2018	$31,814
18	IMF-WPS-N-0001	Image Flat Rd IMAGE FLAT New Pumpstation	Pumpstation	2025	$635,489
18	IMF-WRS-N-0001	Casuarina Court, HIGHWORTH Water Reservoir	Reservoir	2012	$1,946,079
18	IMF-WRS-N-0002	Albatross Avenue, NAMBOUR Water Reservoir	Reservoir	2012	$2,499,650
11	IMF-WRS-N-0003	Lang Street, COOLUM BEACH Water Reservoir	Reservoir	2025	$1,554,397
10	IMF-WVA-N-0001	Ridges Boulevard, PEREGIAN SPRINGS Altitude Valve	Valve	2018	$29,602
14	KEW-WMN-N-0003	Kenilworth North Water Main FF - New 150mm	Water Main FF	2012	$351,310
14	KEW-WPS-N-0001	Kenilworth Water Pump Station New 5kW	Pumpstation	2012	$253,941
33/32	LAN-WMN-N-0004	Ballinger Road, BUDERIM Water Trunk Main	Water Main	2012	$180,539
32/31,22	LAN-WMN-N-0005	Main Road, KULUIN Water Trunk Main	Water Main	2011	$1,072,640
39/38	LAN-WMN-N-0008	Macadamia Drv, MALENY Water Trunk Main	Water Main	2013	$1,752,979
32/22	LAN-WMN-N-0016	Cumberland Way_Whitehaven Dr_BUDERIM Water Main FF	Water Main FF	2012	$187,838
31	LAN-WMN-N-0031	Parsons Rd FOREST GLEN Water Main FF New 200mm	Water Main FF	2013	$289,340
33/32,31	LAN-WMN-N-0044	Stringybark Road area BUDERIM Water Main New 375mm	Water Main	2016	$4,017,793
50	LAN-WMN-N-0050	Fullertons Road, GLASSHOUSE MOUNTAINS Water Trunk Main	Water Main	2011	$431,795
32/31	LAN-WMN-N-0051	TANAWHA & SIPPY DOWNS Water Mains New 250mm & 300mm	Water Main	2016	$60,692
33/32	LAN-WMN-N-0057	Sippy Downs Drive SIPPY DOWNS Water Main New 200mm	Water Main	2016	$74,062
31	LAN-WMN-N-0058	Sunshine Mtwy SIPPY DOWNS Water Mains New 200 & 300mm	Water Main	2016	$412,856
33/31	LAN-WMN-N-0060	Tanawha Road TANAWHA Water Mains New 500mm	Water Main	2016	$766,698
32	LAN-WMN-N-0062	Lauren Dr area BUDERIM Water Mains New 150, 200, 250mm	Water Main	2031	$31,712
33/32,31	LAN-WMN-N-0063	Tanawha Tourist Dr TANAWHA Water Mains New 200, 250mm	Water Main	2014	$534,600
39	LAN-WMN-N-0140	Tallowood Street_MALENY Water Main FF New 100mm	Water Main FF	2015	$174,406
19/18,17	LAN-WMN-N-0177	Petrie Creek Road ROSEMOUNT Water Main FF New 200mm	Water Main FF	2014	$1,361,766
42	LAN-WMN-N-0197	Caloundra Street_LANDSBOROUGH Water Main FF New 200mm	Water Main FF	2031	$109,560
32/31	LAN-WMN-N-0208	Mons Road, BUDERIM Water Trunk Main	Water Main	2021	$36,612
45/44	LAN-WMN-N-0210	Sugarbag Road CALOUNDRA Reservoir New 25ML	Reservoir	2017	$43,744
31	LAN-WMN-N-0214	Maroochydore Road, FOREST GLEN Water Trunk Main	Water Main	2014	$2,623,890
31	LAN-WMN-N-0215	Mons Road, FOREST GLEN Water Reticulation Main	Water Main	2011	$10,935
38	LAN-WPS-N-0002	Macadamia Dr MALENY Water Pump Station New 16 kW	Pumpstation	2013	$405,775
42	LAN-WPS-N-0003	Ngungun St, Landsborough - Water Pump Station	Pumpstation	2013	$804,024

Map Ref		Project ID	Project Title	Asset Class	Year	Present Value @1/7/12
31		LAN-WPS-N-0004	William Street BUDERIM Water Pump Station New 12.1kW	Pumpstation	2016	$443,580
32/31		LAN-WPS-N-0005	Ballinger Rd BUDERIM Water Pump Station New 147.1kW	Pumpstation	2016	$1,201,246
32/31		LAN-WPS-N-0006	Jarrah Road, KUNDA PARK Pump Station	Pumpstation	2011	$379,184
22		LAN-WRS-N-0001	Grenfell Court, KULUIN Water Reservoir	Reservoir	2012	$3,056,513
18		LAN-WRS-N-0005	Panorama Drive, NAMBOUR Water Reservoir	Reservoir	2013	$205,529
31		LAN-WRS-N-0006	Tanawha Road TANAWHA Water Reservoir New 8.5ML	Reservoir	2016	$2,656,656
32/31		LAN-WRS-N-0010	William Street, BUDERIM Water Reservoir	Reservoir	2021	$1,392,963
39		LAN-WRS-N-0011	Macadamia Drive, MALENY Water Reservoir	Reservoir	2021	$978,051
35/32		LAN-WVA-N-0001	Karawatha Street, BUDERIM Pressure Reducing Valve	Valve	2031	$509
		-	-	-	TOTAL	$73,800,069

Table S1 Sewerage trunk network schedule of works

Map Ref		Project ID	Project Title	Asset Class	Year	Present Value @1/7/12
11/9		COL-SES-U-0001	David Low Way COOLUM Storage Upgrade SES-CLM088 (6kL)	Emergency Storage	2014	$150,697
10		COL-SES-U-0002	Balgownie Drive PEREGIAN SPRINGS Storage Upgrade SES-PGS130 (64kL)	Emergency Storage	2014	$395,373
11/9		COL-SES-U-0003	Warran Road YAROOMBA Storage Upgrade SES-CLM091 (32kL)	Emergency Storage	2016	$206,178
11/9		COL-SES-U-0004	South Coolum Road COOLUM Storage Upgrade SES-SLM091 (5kL)	Emergency Storage	2016	$200,453
11/9		COL-SES-U-0005	Suncoast Beach Drive Mount Coolum Storage Upgrade SES-CLM085 (34kL)	Emergency Storage	2014	$383,304
11/9		COL-SPS-U-0001	Yandina Coolum Rd, COOLUM BEACH - SPS 99 pump & RM	Pumpstation	2011	$395,572
11		COL-SPS-U-0002	Cinnamon Ave, COOLUM BEACH - SPS CLM082 (82)	Pumpstation	2016	$302,501
11/9		COL-SPS-U-0003	Park Crescent Cooloum Pumpstation Upgrade SPS-CLM081	Pumpstation	2014	$254,823
11/9		COL-SPS-U-0004	Cinnamon Ave COOLUM Pumpstation Upgrade SPS-CLM082	Pumpstation	2014	$776,702
11/9		COL-SPS-U-0005	Corbould Street COOLUM Pumpstation Upgrade SPS-CLM099	Pumpstation	2014	$969,394
11/9		COL-SPS-U-0006	Quanda Road COOLUM Pumpstation Upgrade SPS-CLM100	Pumpstation	2016	$229,311
11/9		COL-STP-U-0002	COOLUM STP, Upgrade	STP	2016	$28,448,400
11/9		COL-STP-U-0003	COOLUM STP Upgrade - Inlet Works	STP	2014	$5,722,474
33/32		KAW-SEI-U-0001	Power Rd, BUDERIM - SPS MTN046 (46)	Electrical	2011	$55,552
35/32		KAW-SES-N-0001	Yeramba Pl, BUDERIM MTN065 further storage required	Emergency Storage	2026	$22,152
34/32		KAW-SES-N-0002	Seriata Way, MOUNTAIN CREEK MBA007 further storage required	Emergency Storage	2021	$210,443
45		KAW-SES-U-0001	Esplanade Headland, KINGS BEACH CAL015 further storgae required	Emergency Storage	2012	$442,554
45		KAW-SGM-N-0002	Ormond Tce, KINGS BEACH - Gravity Sewer Augmentation	Gravity Main	2012	$2,434,837
44		KAW-SGM-N-0006	LAKESHORE PL, LITTLE MOUNTAIN Rising Main	Rising Main	2011	$493,812
44/45		KAW-SGM-N-0010	First Avenue CALOUNDRA Sewer Gravity Main	Gravity Main	2012	$114,093
46/45/44		KAW-SGM-N-0016	The Esplanade, CALOUNDRA Sewer Gravity Main	Gravity Main	2011	$733,606
45		KAW-SGM-N-0018	Caloundra Road, CALOUNDRA WEST Sewer Gravity Main	Gravity Main	2031	$2,584
45		KAW-SGM-N-0019	Beerwah Parade, DICKY BEACH Sewer Gravity Main	Gravity Main	2031	$1,657
45		KAW-SGM-N-0020	Ormonde Terrace, KINGS BEACH Sewer Gravity Main	Gravity Main	2021	$18,728
46		KAW-SGM-N-0021	Landsborough Parade, GOLDEN BEACH Sewer Gravity Main	Gravity Main	2021	$157,826
46		KAW-SGM-N-0022	Esplanade, GOLDEN BEACH Sewer Gravity Main	Gravity Main	2021	$55,769
46		KAW-SGM-N-0023	Esplanade, GOLDEN BEACH Sewer Gravity Main	Gravity Main	2031	$1,362
46		KAW-SGM-N-0024	North Street, GOLDEN BEACH Sewer Gravity Main	Gravity Main	2031	$158

Map Ref	Project ID	Project Title	Asset Class	Year	Present Value @1/7/12
45/44	KAW-SMS-N-0004	Maloja Ave, CALOUNDRA - SPS CAL013 (L)	Miscellaneous	2011	$182,886
44/45	KAW-SPS-N-0002	Rothfall Ch AROONA Sewage Pump Station CPK004 upgrade	Pumpstation	2016	$65,986
45/44	KAW-SPS-N-0005	Erang St CURRUMUNDI Sewage Pump Station CPK001 upgrade	Pumpstation	2016	$337,239
35	KAW-SPS-N-0009	Main Drive, PARREARRA - SPS 1K Augmentation	Pumpstation	2011	$1,255,593
45/44	KAW-SPS-N-0010	Ulm St MOFFAT BEACH Sewage Pump Station CAL001 upgrade	Pumpstation	2013	$7,695,817
45	KAW-SPS-N-0011	Ormonde Tce KINGS BEACH pump station and storage	Emergency Storage	2016	$990,324
45/44	KAW-SPS-N-0012	Bulcock St CALOUNDRA Sewage Pump Station upgrade	Pumpstation	2013	$2,534,998
46	KAW-SPS-N-0016	Millennium Ct PELICAN WATERS Pump Station PW4 upgrade	Pumpstation	2016	$36,790
46/45/44	KAW-SPS-N-0026	Caloundra Rd CALOUNDRA WEST SPS Upgrade LMT001	Pumpstation	2015	$11,465,443
35	KAW-SPS-N-0027	Tandem Av WARANA Sewage Pump Station KAW081 and rising main upgrade	Pumpstation	2022	$16,520
35	KAW-SPS-N-0028	Nicklin Way WARANA Sewage Pump Station KAW002 upgrade	Pumpstation	2031	$3,539
45/44	KAW-SPS-N-0029	Caloundra Rd CALOUNDRA WEST Sewage Pump Station LMT007 upgrade	Pumpstation	2031	$534
44	KAW-SPS-N-0030	Esplanade GOLDEN BEACH Sewage Pump Station GLD001 upgrade	Pumpstation	2021	$293,593
35/32	KAW-SPS-U-0001	Bundilla Blvd., MOUNTAIN CREEK - SPS MTN036 augmentation	Pumpstation	2013	$3,039,763
46	KAW-SPS-U-0002	Beattie ST GOLDEN BEACH Sewage Pump Station GLD002 upgrade	Pumpstation	2021	$428,372
35	KAW-SPS-U-0003	Premier Ct WARANA Sewage Pump Station KAW108 upgrade	Pumpstation	2031	$3,055
46	KAW-SPS-U-0004	Onslow St GOLDEN BEACH Sewage Pump Station GLD003 upgrade	Pumpstation	2031	$2,797
46	KAW-SPS-U-0005	Emma Ct PELICAN WATERS Sewage Pump Station PWS006 upgrade	Pumpstation	2021	$303,640
46	KAW-SPS-U-0006	Koopa Pl PELICAN WATERS Sewage Pump Station PWS008 upgrade	Pumpstation	2011	$86,468
35/32	KAW-SPS-U-0010	Main Drive BIRTINYA Pump Station Upgrade KAW107	Pumpstation	2016	$20,058
46	KAW-SPS-U-0011	Pelican Waters Bvd PELICAN WATERS Pump Station Upgrade PWS003	Pumpstation	2016	$234,760
46	KAW-SPS-U-0012	Pelican Waters Bvd PELICAN WATERS Pump Station Upgrade PWS012	Pumpstation	2016	$29,800
44/35	KAW-SPS-U-0019	MIMOSA CRESCENT CURRUMUNDI SPS Upgrade CKS001	Pumpstation	2016	$188,915
35	KAW-SRM-N-0001	Bundilla Blvd., MOUNTAIN CREEK - SPS MTN036 Diversion RM	Rising Main	2013	$3,950,750
44/35	KAW-SRM-N-0002	Kawana Sports Carpark, BOKARINA - SPS 1K Rising Main	Rising Main	2011	$1,913,136
35	KAW-SRM-N-0003	Main Dr, PARREARRA - Sewer Rising Main LMT001 (L1) - Stage 1	Rising Main	2012	$2,681,032
35	KAW-SRM-N-0004	Main Dr, PARREARRA - Sewer Rising Main LMT001 (L1) - Stage 2	Rising Main	2013	$4,051,319
35	KAW-SRM-N-0006	SEWERAGE TREATMENT PLANT WARANA Rising Main	Rising Main	2016	$49,376
45	KAW-SRM-N-0008	ORMONDE TCE KINGS BEACH Rising Main	Rising Main	2016	$49,719
45	KAW-SRM-N-0009	BULCOCK ST CALOUNDRA Rising Main	Rising Main	2014	$250,699
45/44	KAW-SRM-N-0015	Talara Street CURRIMUNDI Rising Main New 700mm	Rising Main	2012	$3,334,809
35	KAW-SRM-N-0017	Tandem Av WARANA Sewage Pump Station KAW081 and rising main upgrade	Rising Main	2022	$72,495
46/45	KAW-SRM-N-0018	PELICAN WATERS BVD, GOLDEN BEACH Rising Main	Rising Main	2019	$798,321
46	KAW-SRM-N-0022	KOOPA PL, PELICAN WATERS Rising Main	Rising Main	2016	$83,809
45/44	KAW-SRM-N-0024	Kalana Rd Currimundi Rising Main New 750mm	Rising Main	2013	$3,318,173
46/45/44	KAW-SRM-U-0001	Bower Street Caloundra Rising Main Upgrade 450mm	Rising Main	2013	$3,578,375
35	KAW-STP-U-0001	KAWANA STP, Optimisation	STP	2012	$10,060,799
35	KAW-STP-U-0002	KAWANA STP, Stage 5 Augmentation	STP	2016	$350,000,000

Map Ref		Project ID	Project Title	Asset Class	Year	Present Value @1/7/12
49		LNB-SES-N-0001	Kello Rd BEERWAH SPS New Emergency Storage	Emergency Storage	2016	$556,948
49/48		LNB-SES-N-0002	Old Gympie Rd BEERWAH SPS New Emergency Storage	Emergency Storage	2016	$80,668
42/40		LNB-SPS-U-0001	Gympie St LANDSBOROUGH SPS Upgrade	Pumpstation	2021	$140,995
49/48		LNB-SPS-U-0002	Steve Irwin Way BEERWAH SPS Upgrade	Pumpstation	2021	$595,062
42/40		LNB-SRM-U-0001	Forestry Rd LANDSBOROUGH SPS Rising Main Upgrade 300mm	Rising Main	2015	$606,383
42/40		LNB-STP-N-0001	LANDSBOROUGH STP - External Sullage Dump Station - Design & Installation	STP	2012	$37,225
42/40		LNB-STP-U-0001	LANDSBOROUGH STP Upgrade	STP	2017	$19,910,753
39		MAL-SES-N-0001	Curlew Crt MALENY SPS New Emergency Storage	Emergency Storage	2016	$198,773
39		MAL-SPS-U-0001	Bunya St MALENY SPS Upgrade	Pumpstation	2016	$321,686
39		MAL-SPS-U-0002	Showgrounds MALENY SPS Upgrade	Pumpstation	2016	$181,464
39/38		MAL-STP-U-0001	MALENY STP, Upgrade	STP	2013	$15,391,863
32/31		MAR-SES-N-0002	Glenmount Rd, BUDERIM BUD077 further storage required	Emergency Storage	2012	$59,939
32/31		MAR-SES-N-0003	Le Claire Place, BUDERIM - SPS BUD067 EMS	Emergency Storage	2012	$513,811
22		MAR-SES-N-0004	Millwell Rd East, MAROOCHYDORE MRD021 further storage required	Emergency Storage	2022	$157,648
32/22		MAR-SES-N-0005	Dalton Dr, MAROOCHYDORE MRD034 further storage required	Emergency Storage	2022	$136,624
33/31		MAR-SGM-N-0001	Sunshine M'Way, SIPPY DOWNS - Town Centre Trunk	Gravity Main	2012	$3,241,608
32/22		MAR-SGM-N-0002	Pertaka St, BUDERIM Rising Main	Rising Main	2016	$268,816
32/31		MAR-SGM-N-0007	Quambi Pl, BUDERIM - SPS BUD066 Overflow Structure	Gravity Main	2011	$47,165
22		MAR-SGM-N-0010	Millwell Rd East MAROOCHYDORE Sewer Gravity Main	Gravity Main	2016	$3,289,425
34		MAR-SGM-N-0011	River Esp, MOOLOOLABA - Gravity Sewer 300mm dia.	Gravity Main	2012	$976,944
32/31		MAR-SGM-N-0013	Quiet Valley Cres, BUDERIM - SPS BUD070 Overflow Structure	Gravity Main	2011	$58,503
22		MAR-SGM-N-0014	Newspaper Pl, MAROOCHYDORE Rising Main	Gravity Main	2021	$107,309
35/34	22	MAR-SGN-N-0001	Sid Lingard Drive, BUDERIM - SPS MRD029 EMS	Generator	2011	$7,848
32/22		MAR-SPS-N-0001	Wises Rd MAROOCHYDORE Sewer Pumps 280L/s & 220L/s	Pumpstation	2015	$1,294,518
22		MAR-SPS-N-0004	Commercial Rd MAROOCHYDORE Sewer Pumps 1220L/s	Pumpstation	2015	$69,692
32/22		MAR-SPS-N-0005	Sunshine Mwy MAROOCHYDORE SPS New 1150L/s & storage 345kL	Pumpstation	2015	$2,859,236
32/22		MAR-SPS-N-0006	Maud St MAROOCHYDORE Sewer Pump Station 370L/s	Pumpstation	2015	$1,334,552
34/32	22	MAR-SPS-N-0007	Okinja RD ALEXANDRA HEADLAND Sewer Pump Station 160L/s	Pumpstation	2016	$649,682
22		MAR-SPS-N-0008	Hinley Ave MAROOCHYDORE Sewage Pump Station MRD002 upgrade	Pumpstation	2031	$28,382
35/34		MAR-SPS-N-0009	Kapala St, MOOLOOLABA MBA004 pump upgrade	Pumpstation	2017	$319,929
31		MAR-SPS-U-0001	Maroochydore Rd, KUNDA PARK - SPS 031 augmentation	Pumpstation	2011	$787,691
32/22		MAR-SRM-N-0001	Maud St MAROOCHYDORE Sewer Rising Main 525mm 3600m	Gravity Main	2015	$7,761,399
32		MAR-SRM-N-0003	King Street, BUDERIM - SPS MRD058 Rising Main - 450m	Rising Main	2012	$553,406
34/32	22	MAR-SRM-N-0011	Okinja RD ALEXANDRA HEADLAND Sewer Rising Main 375mm 1450m	Rising Main	2016	$980,562
22		MAR-SRM-N-0013	Plaza Pde, MAROOCHYDORE Sewer Rising Main	Gravity Main	2021	$83,162
		MAR-SRM-N-0014	David Low Way, DIDDILLIBAH Rising Main	Rising Main	2011	$26,551
22		MAR-STP-N-0001	MAROOCHYDORE STP - Auto Cleaning System for Class A filters	STP	2011	$36,348
22		MAR-STP-U-0003	MAROOCHYDORE STP - Install Sump Pump at WPS2	STP	2011	$5,044
		MAR-STP-U-0004	MAROOCHYDORE STP - Augmentation	STP	2011	$954,927
22		MAR-STP-U-0005	MAROOCHYDORE STP Upgrade	STP	2012	$5,258,648
8/7		NAM-SES-N-0001	Old Cobb & Co Lane, YANDINA - SPS YND163 EMS	Emergency Storage	2011	$76,337

Map Ref	Project ID	Project Title	Asset Class	Year	Present Value @1/7/12
18/17	NAM-SES-N-0002	Park Vista Crt, BURNSIDE - SPS NAM157 EMS	Emergency Storage	2011	$22,909
18	NAM-SES-N-0003	Lancaster Close WOOMBYE Storage New SPS-NAM155	Emergency Storage	2014	$89,351
3/2	NAM-SES-N-0004	Memorial Dr EUMUNDI Storage New SPS-EUM147	Emergency Storage	2016	$119,429
3/2	NAM-SES-N-0005	Ward Street EUMUNDI Storage New SPS-EUM148	Emergency Storage	2021	$56,253
8/7	NAM-SES-N-0006	Central Park Drive YANDINA Storage New SPS-YND164	Emergency Storage	2014	$165,982
8/7	NAM-SES-N-0007	Emerald Vista Parade YANDINA Storage New SPS-YND165	Emergency Storage	2016	$44,494
8/7	NAM-SES-N-0008	Wappa Outlook Drive YANDINA Storage New SPS-YND166	Emergency Storage	2016	$24,666
8/7	NAM-SES-N-0009	Railway Street YANDINA Storage New SPS-YND161	Emergency Storage	2014	$337,056
8/7	NAM-SES-N-0010	Conn street YANDINA Storage New SPS-YND162	Emergency Storage	2014	$92,028
17	NAM-SES-N-0011	Jacaranda Drive PARKLANDS Storage New SPS-NAM159	Emergency Storage	2014	$157,340
28	NAM-SES-U-0001	Jubilee Drive PALMWOODS Storage Upgrade SPS-PLM136	Emergency Storage	2014	$214,001
28	NAM-SES-U-0002	Holy Green Crescent PALMWOODS Storage Upgrade SPS-PLM138	Emergency Storage	2014	$113,325
18	NAM-SGM-N-0001	Conrad Crt, NAMBOUR - 225mm dia sewer augmentation	Gravity Main	2014	$137,966
18/17	NAM-SGM-N-0003	Thomas Cresent, NAMBOUR - SPS NAM 156 Overflow Structure	Emergency Storage	2011	$25,745
17/16,18	NAM-SGM-N-0004	Yvonne Street, NAMBOUR - SPS NAM 154 Overflow Structure	Gravity Main	2011	$30,397
8	NAM-SGM-N-0005	Farrell Street YANDINA Gravity Main New 225mm	Gravity Main	2021	$311,448
18	NAM-SGM-N-0006	Hillcrest Avenue NAMBOUR Gravity Main New 300mm	Gravity Main	2014	$18,266
18	NAM-SGM-N-0007	Doolan Street NAMBOUR Gravity Main New 225mm	Gravity Main	2014	$48,187
18	NAM-SGM-N-0008	Princess Crescent NAMBOUR Gravity Main New 225mm	Gravity Main	2014	$57,883
	NAM-SGM-N-0010	Bli Bli Road NAMBOUR Gravity Main New 750mm	Gravity Main	2014	$374,073
8	NAM-SGM-U-0004	Pioneer Road YANDINA Gravity Main Upgrade 375mm	Gravity Main	2021	$546,704
18/17	NAM-SPS-U-0001	Park Vista Crt BURNSIDE Upgrade SPS-NAM157	Pumpstation	2026	$151,617
3	NAM-SPS-U-0002	Napier Road EUMUNDI Pumpstation Upgrade SPS-EUM146	Pumpstation	2014	$215,634
3/2	NAM-SPS-U-0003	Memorial Dr EUMUNDI Pumpstation Upgrade SPS-EUM147	Pumpstation	2014	$128,893
8/7	NAM-SPS-U-0004	Old Bruce Hwy YANDINA Pumpstation Upgrade SPS-YND168	Pumpstation	2021	$421,792
8/7	NAM-SPS-U-0005	Central Park Drive YANDINA Pumpstation Upgrade SPS-YND164	Pumpstation	2014	$128,916
8/7	NAM-SPS-U-0006	Conn street YANDINA Pumpstation Upgrade SPS-YND162	Pumpstation	2021	$260,758
8/7	NAM-SPS-U-0007	Paulger Falt Road YANDINA Pumpstation Upgrade SPS-YND167	Pumpstation	2021	$433,083
28	NAM-SRM-N-0002	Margaret Street, PALMWOODS - SPS PLM137 (137) rising main	Rising Main	2012	$83,213
8/7/3	NAM-SRM-N-0003	Bruce Highway YANDINA Rising Main New 225mm	Rising Main	2014	$2,992,739
18/17	NAM-STP-U-0001	NAMBOUR STP, Upgrade	STP	2013	$46,258,712
21	SUN-SES-N-0001	Runway Dr MUDJIMBA SPS MDJ108 New Emergency Storage	Emergency Storage	2031	$2,019
21	SUN-SPS-U-0001	Runway Dr MUDJIMBA SPS MDJ108 M&E Upgrade	Pumpstation	2013	$137,317
21	SUN-SPS-U-0002	Boomba St PACIFIC PARADISE SPS PAC101 M&E Upgrade	Pumpstation	2013	$677,600
21	SUN-SRM-N-0001	Runway Dr MUDJIMBA SPS MDJ108 Rising Main New 150mm	Rising Main	2013	$216,937
22/21,20	SUN-STP-U-0001	Finland Rd, PACIFIC PARADISE - Suncoast Sewerage Scheme Transfer System	Rising Main	2013	$11,901,113
	-	-	-	TOTAL	$593,555,389

Table SW1 Stormwater quality trunk network schedule of works

Map Ref	Project ID	Trunk infrastructure description (Future works)	Catchment	Estimated time for completion	Estimated # total cost
45	SWQ_001	Gross Pollutant Trap - Corner North St and Landsborough Pde - north side	Pumicestone	2011-2016	$200,000
45	SWQ_003	Stormwater Quality Improvement Device - Pumicestone catchment B (Bicentennial Park)	Pumicestone	2011-2016	$250,000
26/22/21/20/19/18/17/16/15	SWQ_004	Riparian Works - Petrie Creek Corridor	Maroochy	2011-2016	$595,453
46/43	SWQ_005	Riparian Works - Bells Creek Corridor	Pumicestone	2011-2016	$327,787
49/47/42/38	SWQ_006	Riparian Works - Coochin Creek Corridor	Pumicestone	2011-2016	$73,548
45	SWQ_007	Bioretention swale - North St south side	Pumicestone	2011-2016	$175,000
45	SWQ_008	Gross Pollutant Trap - Intersection Bulcock Street and Bowman Road	Pumicestone	2011-2016	$150,000
45	SWQ_009	Gross Pollutant Trap - Grigor St outfall	Mooloolah	2011-2016	$200,000
45	SWQ_010	Gross Pollutant Trap - Grigor St Outfall adj golf course	Mooloolah	2011-2016	$150,000
46	SWQ_011	Infiltration basin - Earshaw St outfall	Pumicestone	2011-2016	$50,000
46	SWQ_012	Infiltration basin - Gregory St outfall	Pumicestone	2011-2016	$50,000
46	SWQ_013	Infiltration basin - Wills St outfall	Pumicestone	2011-2016	$50,000
46	SWQ_014	Infiltration basin - Burke St outfall	Pumicestone	2011-2016	$50,000
45/44	SWQ_015	Bioretention swale - Mark Rd reserve	Pumicestone	2011-2016	$350,000
46	SWQ_016	Sediment Basin - Pelican Rd Blvd	Pumicestone	2011-2016	$600,000
22	SWQ_017	Gross Pollutant Trap - Fourth Ave, end of Beach Pde	Maroochy	2011-2016	$250,000
22	SWQ_018	Gross Pollutant Trap - Cornmeal Pde outfall	Maroochy	2011-2016	$200,000
34/22	SWQ_019	Wetland - Nelson Park	Maroochy	2011-2016	$500,000
11	SWQ_020	Wetland - Stumers Creek outfall	Stumers Creek	2011-2016	$950,000
34/32/22/20	SWQ_025	Riparian Works - Cornmeal Creek Corridor	Maroochy	2016-2021	$402,611
33/32/22/20	SWQ_026	Stormwater Quality Improvement Device - Cornmeal Creek Catchment	Maroochy	2016-2021	$1,000,000
22/20/18/17/26/2728/29/31	SWQ_027	Stormwater Quality Improvement Device - Eudlo Creek Catchment	Maroochy	2016-2021	$500,000
22/21/20/19/17/11	SWQ_028	Stormwater Quality Improvement Device - Lower Maroochy River Catchment	Maroochy	2016-2021	$500,000
20/19/17/11/21/22	SWQ_029	Stormwater Quality Improvement Device - Lower Maroochy River Catchment	Maroochy	2016-2021	$1,570,000
20/19/18/17/16/26/27/28	SWQ_030	Stormwater Quality Improvement Device Paynter Creek Catchment	Maroochy	2016-2021	$500,000
20/19/18/17/16/26/27/28	SWQ_031	Stormwater Quality Improvement Device Paynter Creek Catchment	Maroochy	2016-2021	$275,000
45	SWQ_040	Stormwater Quality Improvement Device - Kings Beach catchment A	Pumicestone	2016-2021	$138,466
45	SWQ_041	Stormwater Quality Improvement Device - Kings Beach catchment B	Pumicestone	2016-2021	$182,825
45	SWQ_042	Stormwater Quality Improvement Device - Kings Beach catchment C	Pumicestone	2016-2021	$269,791
45	SWQ_043	Stormwater Quality Improvement Device - Kings Beach catchment D	Pumicestone	2016-2021	$322,354
46	SWQ_044	Stormwater Quality Improvement Device - Pumicestone catchment H	Pumicestone	2016-2021	$268,443
46	SWQ_045	Stormwater Quality Improvement Device - Pumicestone catchment I	Pumicestone	2016-2021	$146,466
46	SWQ_046	Stormwater Quality Improvement Device - Pumicestone catchment J	Pumicestone	2016-2021	$176,607
49	SWQ_047	Stormwater Quality Improvement Device - Mellum B catchment B	Pumicestone	2016-2021	$586,469
41/32/26	SWQ_048	Riparian Works - Sippy Creek Corridor	Mooloolah	2016-2021	$556,730
11/10/9/7/4/2	SWQ_049	Riparian Works - Doonan Creek Corridor	Maroochy	2016-2021	$157,578
14/13/12/5/1	SWQ_050	Riparian Works - Mary River Corridor	Mary	2016-2021	$219,246

Map Ref	Project ID	Trunk infrastructure description (Future works)	Catchment	Estimated time for completion	Estimated # total cost
25/24/16/15/14/13	SWQ_051	Riparian Works - Obi Obi Creek Corridor	Mary	2016-2021	$130,614
49/48/42	SWQ_054	Riparian Works - Mellum Creek Corridor	Pumicestone	2016-2021	$83,743
43/46	SWQ_055	Riparian Works - Bells Creek Corridor	Pumicestone	2016-2021	$491,681
11/10/9	SWQ_056	Riparian Works - Stumers Creek Corridor	Maroochy	2016-2021	$228,509
39	SWQ_058	Stormwater Quality Improvement Device - Maleny Catchment	Mary	2021-2026	$2,018,111
45	SWQ_059	Stormwater Quality Improvement Device - Tooway catchment A	Mooloolah	2021-2026	$3,054,596
43/35/34/32	SWQ_060	Stormwater Quality Improvement Device - Mooloolah Estuary Catchment	Mooloolah	2021-2026	$550,000
41/31/26	SWQ_061	Stormwater Quality Improvement Device - Sippy Creek Catchment	Mooloolah	2021-2026	$550,000
35/33/32/31	SWQ_062	Stormwater Quality Improvement Device - University Creek Catchment	Mooloolah	2021-2026	$550,000
45	SWQ_068	Stormwater Quality Improvement Device - Kings Beach catchment E	Pumicestone	2021-2026	$510,933
45	SWQ_069	Stormwater Quality Improvement Device - Kings Beach catchment F	Pumicestone	2021-2026	$418,117
45	SWQ_070	Stormwater Quality Improvement Device - Pumicestone catchment D	Pumicestone	2021-2026	$1,343,627
4546	SWQ_071	Stormwater Quality Improvement Device - Pumicestone catchment F	Pumicestone	2021-2026	$506,745
46	SWQ_072	Stormwater Quality Improvement Device - Pumicestone catchment G	Pumicestone	2021-2026	$756,820
49	SWQ_073	Stormwater Quality Improvement Device - Mellum B catchment C	Pumicestone	2021-2026	$832,572
49	SWQ_074	Stormwater Quality Improvement Device - Mellum B catchment D	Pumicestone	2021-2026	$639,498
20/25/27/26/31/32/33/34	SWQ_075	Riparian Works - Mountain Creek Corridor	Mooloolah	2021-2026	$871,693
19/18/17/16/26/28	SWQ_076	Riparian Works - Paynter Creek Corridor	Maroochy	2021-2026	$215,209
45	SWQ_077	Stormwater Quality Improvement Device - Tooway catchment B	Mooloolah	2026-2031	$1,065,294
45	SWQ_078	Stormwater Quality Improvement Device - Tooway catchment D	Mooloolah	2026-2031	$1,692,131
45	SWQ_079	Stormwater Quality Improvement Device - Tooway catchment E	Mooloolah	2026-2031	$819,928
33/22/20	SWQ_080	Stormwater Quality Improvement Device - Cornmeal Creek Catchment	Mooloolah	2026-2031	$1,400,000
31/29/28/27/26/22/21/20/17	SWQ_081	Stormwater Quality Improvement Device - Eudlo Creek Catchment	Mooloolah	2026-2031	$400,000
43/35/34/32	SWQ_082	Stormwater Quality Improvement Device - Mooloolah Estuary Catchment	Mooloolah	2026-2031	$425,000
33/32/34/26/34	SWQ_083	Stormwater Quality Improvement Device - Mountain Creek Catchment	Mooloolah	2026-2031	$2,400,000
45	SWQ_086	Stormwater Quality Improvement Device - Pumicestone catchment C	Pumicestone	2026-2031	$2,464,022
46/44/43	SWQ_089	Riparian Works - Lamerough Creek Corridor	Pumicestone	2026-2031	$72,820
				TOTAL	$37,436,037

Note - # There are no land acquisition costs associated with the stormwater quality future trunk networks projects

Table T1.1 Roads trunk network schedule of works (2011-2031)

Map Ref	Item ID	Primary Road Name	Secondary Road Details (from / to)	Description	Estimated timeframe for completion	Estimated total cost ($)
43	R-00-001	Palmview Southern Link	Caloundra Rd to Palmview southern boundary	Construct two new lanes (Palmview IA fully funded)	2021-2026	$0
49/48	R-06-001	Roys Road	Beerwah to Bruce Highway	Widening and Upgrade	2013-2016	$2,100,000
18	R-11-001A	Arundell Ave - Stage 1	Carter Rd - Currie St	Isolated capacity enhancements	2021-2026	$7,300,000
18	R-11-002A	Windsor Road - Stage 1		Missing link	2021-2026	$3,000,000
18	R-11-003A	Burnside Bvd - Stage 1	Burnside Rd to Windsor Rd	Land	2013-2016	$300,000
31	R-23-001	Mons Rd	Owen Creek Rd	Intersection Upgrade	2011-2016	$2,516,000
18	R-11-003B	Burnside Bvd - Stage 2	Burnside Rd to Windsor Rd	Construction	2026-2031	$4,500,000
46	R-18-003	Burke St	Blaxland St. to Pelican Waters Blvd	Construct two new lanes	2016-2021	$2,000,000
45	R-19-001	Nicklin Way	ramps to Queen St. and Sugarbag Rd	Single lane ramps, intersections, access to Golf Club	2016-2021	$5,000,000
45	R-19-002	Queen St - Stage 3	Nicklin Way (off ramp) to Bower St.	Add two traffic lanes	2026-2031	$5,300,000
45	R-19-003A	Queen St - Stage 1A	Bower St	Intersection Upgrade	2013-2016	$2,000,000
45	R-19-003B	Queen St - Stage 1B	Ulm St	Intersection Upgrade	2026-2031	$1,500,000
45	R-19-003C	Queen St - Stage 2	Bower St. to Ulm St.	Upgrade to four traffic lanes	2026-2031	$3,248,605
45	R-19-004A	Ulm Street Stage 1	Queen St. to Bowman Rd.	Interim 2 lane link	2026-2031	$3,760,203
45	R-19-005	Arthur St	Arthur St / Bowman Rd.	Intersection Upgrade	2016-2021	$325,000
45	R-19-006	West Tce	Bowman Rd to Oval Ave	Two additional lanes	2021-2026	$2,482,152
45	R-19-007A	Oval Ave. and Gosling St	Gosling St. - Second Ave.	Two additional lanes	2016-2021	$4,250,000
45	R-19-007B	Oval Ave. and Gosling St	Second Ave. - West Tce.	Two additional lanes	2021-2026	$4,250,000
44	R-19-014	Bunnings Link	Caloundra Rd to Bellvista Bvd	Road link improvements (condition of Caloundra South)	2021-2026	$0
44/35	R-20-001A	Creekside Blvd - Stage 1	Sycamore St	Intersection Upgrade	2016-2021	$500,000
44/35	R-20-001B	Creekside Blvd - Stage 2	Erang St to Currimundi Creek	Widen to four traffic lanes	2021-2026	$600,000
44/35	R-20-001C	Creekside Blvd - Stage 3	Sycamore St to Currimundi Creek	Widen to four traffic lanes	2021-2026	$600,000
44/35	R-20-001D	Creekside Blvd - Stage 4	Currimundi Creek Bridge	Bridge Duplication	2016-2021	$3,545,891
44	R-20-002	Parklands Blvd - Stage 1	Meridan Way to Sunset Dr	Upgrade to four traffic lanes	2016-2021	$3,952,303
44	R-20-003	Parklands Blvd - Stage 2	Saffron Dr. to Sunset Dr	Upgrade to four traffic lanes (no allowance for CAMCOS)	2021-2026	$3,318,508
44/35	R-20-004	MMTC service road	Meridan Way - Creekside interchange	New Link	2026-2031	$5,107,559
44	R-20-005	Bellvista Bvd	Caloundra Rd. to East-west Road (Caloundra South)	Upgrade to 4 lanes (condition of Caloundra South)	2021-2026	$0
44	R-20-006	Racecourse Rd Extension	Racecourse Road to Caloundra South	Condition of Caloundra South	2021-2026	$0
33	R-22-001	Sippy Downs Drive	Motorway Interchange to University Way	Upgrade to 4-lanes	2016-2021	$7,932,726
33	R-22-002	Sippy Downs Drive	University Way to Siena College, Sippy Downs	Upgrade to 4-lanes	2016-2021	$5,749,459
33	R-22-003	Sippy Downs Drive	Siena College to Stringybark Road	Upgrade from 3 to 4 lanes	2016-2021	$1,000,186

Map Ref	Item ID	Primary Road Name	Secondary Road Details (from / to)	Description	Estimated timeframe for completion	Estimated total cost ($)
33	R-22-004	Sippy Downs Drive	Stringybark Road to Power Road, Sippy Downs	Upgrade from 3 to 4 lanes	2016-2021	$1,934,644
33	R-22-005	Power Road	Sippy Downs Drive to Goshawk Boulevard	new overpass	2021-2026	$3,000,000
33	R-22-006	Power Road	Goshawk Boulevard to Dixon Road	upgrade	2021-2026	$2,246,298
33	R-22-007	Stringybark Road	Sippy Downs Drive to A Street	upgrade	2016-2021	$991,667
33	R-22-008	Goshawk Drive	Stringybark Road to Power Road	new link	2016-2021	$2,043,755
33	R-22-009	Claymore Rd	University Way to Dixon Rd	Duplication northern end and intersection upgrades (Palmview IA fully funded)	2013-2021	$0
34	R-25-004	Brisbane-Walan - Stage 3	Burnett St to Venning St (includes Naroo Ct to Muraban St and Muraban St to Brisbane Rd)	Upgrade	2026-2031	$13,596,310
34	R-25-005A	Brisbane-Walan - Stage 1	Isolated Intersection Upgrades	Various Intersections Upgrades	2016-2021	$4,000,000
34	R-25-005B	Brisbane-Walan - Stage 2	Isolated Intersection Upgrades	Various Intersections Upgrades	2021-2026	$4,000,000
22	R-26-001	Maroochy CD Road	Sugar Road to M'ba Road: 2-way link (Stage 1),	new road link	2026-2031	$6,066,000
22	R-26-002	Maroochy CD Road	Sugar Road to M'ba Road: 2-way link (Stage 2),	new road link	2026-2031	$1,187,000
22	R-26-003	Maroochy CD Road	Maroochy Boulevard Interchange to Sugar Rd	new road link	2026-2031	$8,868,000
22	R-26-004	Plaza Parade Stage 1,	Maroochy Boulevard to Maud Canal	Upgrade to 4-lanes	2016-2021	$2,500,000
22	R-26-005A	Plaza Parade - Stage 2A,	Mungar St	Two southbound lanes through Intersection	2016-2021	$150,000
22	R-26-005B	Plaza Parade Stage 2B,	Maud Canal to Mungar St	Upgrade to 4-lanes	2026-2031	$6,058,000
22	R-26-006A	Evans Street - Stage 1	Plaza Parade to Maroochydore Rd	Upgrade to 4-lanes	2013-2016	$12,000,000
22	R-26-006B	Evans Street - Stage 2	Plaza Parade to Maroochydore Rd	Upgrade to 4-lanes	2016-2021	$15,000,000
22	R-26-~~007~~009	~~Second Av~~Maud St	~~Aerodrome Rd to Maud St~~Second Avenue extension	Route realignment including land acquisition	2021-2026	~~$5,000,000~~$6,500,000
	TOTAL					**$172,264,266**

Table T1.2 Roads trunk network schedule of works (Post 2031)

Map Ref	ID	Primary Road Name	Secondary Road Details (from / to)	Description	Estimated timeframe for completion	Estimated total cost
43	R-00-002	Palmview Southern Link	Caloundra Rd to Palmview southern boundary	Construct two additional lanes (Palmview IA fully funded)	Post 2031	$0
39	R-02-001	Maleny Southern Bypass	Maleny Southern Bypass	Provide alternative route to CBD	Post 2031	$4,000,000
39	R-02-002	Alternative access to North Maleny	Landsborough Maleny Rd to Maleny Community Precinct	Construct new road including new bridge over Obi ~~-~~Obi Creek	Post 2031	$2,200,000
39	R-22-004	Maleny intersections	Maleny intersections	Key intersection capacity improvements	Post 2031	$2,100,000
45	R-18-001	Baldwin St	Bowman Rd to North St	Widen to four traffic lanes	Post 2031	$423,725
46/45	R-18-006	Pelican Waters Blvd	Caloundra Rd. to Nelson St.	Duplication (funding via Nicklin Way extension)	Post 2031	$0
44	R-20-007	Parklands Blvd - Stage 3	Saffron Dr. to Sunset Dr. (east)	Reconstruct over CAMCOS rail corridor	Post 2031	$12,600,000
33	R-22-011	University Way	Chancellor Village Boulevard	Upgrade signals to increase right turn queuing	Post 2031	$0
34	R-25-002	Brisbane-Walan - Stage 4	Tuckers Creek Bridge replacement & Brisbane Road to Mayes Canal	Replace existing bridge & upgrade to four lanes	Post 2031	$31,414,280
34	R-25-003	Brisbane-Walan - Stage 5	Mayes Canal to Walan St including Bridge duplication	Road widening and bridge duplication	Post 2031	$36,510,820
22	R-26-008	Sugar Rd	Maud St to Wises Rd	Intersection upgrades, access / parking	Post 2031	$2,000,000
22	R-26-009007	~~Maud St~~Second Avenue	~~Second Ave extension~~Aerodrome Road to Maud St	Land acquisition and new construction plus intersection upgrades, access / parking	Post 2031	$~~6,500,000~~5,000,000
9	R-28-001	South Coolum Road - Stage 2	Toolga Street to Suncoast Beach Drive	Sub Arterial 2 Lane	Post 2031	$7,000,000
45	R-19-004B	Ulm Street	Queen St. to Bowman Rd.	Ultimate 4 lane arrangement	Post 2031~~+~~	$5,800,000
					TOTAL	**$110,548,825**

Table T2 Council active transport trunk network schedule of works

Map Ref	Item ID	Element	Location	Description	Estimated time for completion	Estimated total costs[a]
45	10953	Pathway	Nicklin Way, Caloundra	Pathway on west side from Caloundra Rd to Sugar Bag Rd (or crossing to extension of Arthur St)	2021 - 2026	$200,000
26/31	10961	Cycle lanes	Tanawha Tourist Drive, Tanawha	Construct shoulders between Glenmount Rd to Mons Rd	2011 - 2016	$1,095,000
22	10962	Pathway	Alexandra Parade, Cotton Tree	Coastal Pathway - Cotton Tree Pde to Memorial Ave	2011 - 2016	$325,000
33	10978	Cycle lanes	Claymore Road, Sippy Downs	Cycle lanes for mid block sections between Sippy Downs Dr and University Way	2021 - 2026	$824,000
20	10982	Pathway	David Low Way, Bli Bli	Pathway from Bradman Av to Petrie Creek bridge	2011 - 2016	$1,780,000
~~21/19~~20	10983	Pathway	David Low Way, Bli Bli	Pathway from Bli Bli bridge to Godfreys Rd	2016 - 2021	$990,840
18	10984	Cycle lanes	Howard Street, Nambour	Cycle lanes from Petrie Creek Rd to Currie St	2021 - 2026	$800,054
44	11005	Pathway	Caloundra Road, Little Mountain	Parklands Bvd to Sugar Bag Rd Stages 1 & 2	2011 - 2016	$940,000
34/22	11011	Mixed traffic street	Bungama Street, Maroochydore	On-road infrastructure & signage Bungama St, Marouba St and Wirraway St	2011 - 2016	$52,000
19	11014	Pathway/ boardwalk	David Low Way, Bli Bli	Pathway / boardwalk from Blanch Crt to McDonald Rd	2011 - 2016	$680,000
22	11015	Cycle lanes	Cotton Tree Esplanade,	Cycle lanes from First Av to King St	2011 - 2016	$303,000

Map Ref	Item ID	Element	Location	Description	Estimated time for completion	Estimated total costs[a]
			Maroochydore			
45	11022	Pathway	Kingsford Smith Parade, Moffat Beach	Pathway follows Tooway Creek between beach and golf course	2026 - 2031	$832,000
22	11522	Pathway	Maroochydore Road, Maroochydore	Pathway on northern side from Broadmeadows Rd and Baden Powell St	2011 - 2016	$300,000
33/32	11714	Cycle lanes	Stringybark Rd, Buderim	Cycle lanes from Ballinger Rd to south of Motorway bridge	2016 - 2021	$650,000
44	11733	Pathway	Ridgewood Road, Caloundra West	Pathway from Bellvista Bvd to Torrens St	2016 - 2021	$614,400
22	11741	Cycle lanes	Sixth Avenue, Maroochydore	Cycle lanes and green treatment of intersections Aerodrome Rd to King St	2011 - 2016	$659,000
32	12953	Pathway	Glenfields Boulevard, Mountain Creek	Pathway on south side from Sailfish Dr to Sauger Ct	2026 - 2031	$50,000
18	13077	Pathway	Nambour Connection Road, Nambour	Pathway from Shell Panorama to Magnolia St	2016 - 2021	$2,190,000
32	13089	Pathway	Golf Links Road, Buderim	Pathway on west side from Mark St to Mooloolaba Rd	2026 - 2031	$667,000
11	13179	Pathway	Toolga Street, Mount Coolum	Pathway on north side from Lagoda Dr to Centenary Heights Rd	2021 - 2026	$275,000
32	13383	Pathway	Glenfields Bvd, Mountain Creek	Connect Glenfields Bvd to Araluen Cl using existing gravel footpath and footbridge	2026 - 2031	$130,000
34	13431	Pathway	River Esplanade, Mooloolaba	Pathway from Mayes Canal bridge via River Tce to Parkyn Pde	2016 - 2021	$410,800
11	15515	Pathway	South Coolum Road, Coolum Beach	Pathway on east side from Centenary Heights Dr to Worrock St	2026 - 2031	$470,000
4445	17192	Cycle lanes	Beerburrum Street, Dicky Beach	Cycle lanes on Beerburrum St at Nicklin Way intersection	2011 - 2016	$128,000
22	17194	Cycle lanes	King Street , Maroochydore	Cycle lanes from Cotton Tree Pd to Memorial Av	2011 - 2016	$77,632
3530	17197	Pathway /on-road cycle ramps	Kawana Way, Mountain Creek	Cycle connection between on-road cycle lanes and Motorway pathway	2016 - 2021	$153,600
21	17200	Pathway	David Low Way , Mudjimba	Pathway on east side from Mudjimba Esp to crossing and connection to north	2016 - 2021	$176,000
11	17201	Pathway	David Low Way, Marcoola	Pathway from Tanaha St East to Suncoast Beach Dr	2016 - 2021	$138,965
32	17202	Pathway	Dixon Road, Buderim	Pathway on east side from Nyes Cr to Manor La	2016 - 2021	$133,770
22	17204	Pathway	Maroochydore Road, Maroochydore	Pathway on south side from Primary School Ct (west end) to Amaroo St	2016 - 2021	$170,650
22	17205	Pathway	Maroochydore Road, Maroochydore	Pathway on north side from Hoop Ct to Main Rd	2016 - 2021	$113,894
31/22	17206	Pathway	Maroochydore Road, Kunda Park	Pathway on north side from underpass to Pike St and sections on south side to Enterprise St	2021 - 2026	$844,153
34	17208	Cycle lanes / shared zone	Mooloolaba Esplanade, Mooloolaba	Cycle lanes/ shared zone from Buderim Mooloolaba Rd to Brisbane Rd	2016 - 2021	$732,000
46/45	17209	Pathway	Pelican Waters Boulevard, Golden Beach	Pathway from Marmont St to Gregson Pl	2021 - 2026	$830,240
35	17210	Cycle lanes	Point Cartwright Drive, Buddina	Cycle lanes from Nicklin Way to Orana St	2021 - 2026	$327,729
33	17211	Footbridge	Stringybark Road, Sippy Downs	Footbridge to western side of Motorway bridge	2021 - 2026	$2,151,993
33	17212	Pathway	Tanawha Tourist Drive, Tanawha	Pathway on north side from Crosby Hill Rd to University Way	2016 - 2021	$300,000
34	17213	Cycle lanes	Venning Street, Mooloolaba	Cycle lanes from Goonawarra St to Walan St	2016 - 2021	$112,000
34	17215	Cycle lanes	Brisbane Road, Mooloolaba	Cycle lanes from Walan St to Mooloolaba Esp	2021 - 2026	$219,136
22/32	30058	Cycle lanes	Wises Road / Sugar Rd, Buderim	Cycle lanes from Buderim Mooloolaba Rd to Maroochy Bvd	2026 - 2031	$1,730,065
22	30066	Cycle lane/BAZ	Cormeal Parade, Maroochydore	Cycle lanes and BAZ from First Av to Horton Pde & Duporth Av from	2021 - 2026	$298,051

Map Ref	Item ID	Element	Location	Description	Estimated time for completion	Estimated total costs[4]
				Ocean St to Beach Rd		
33	40001	Pathway	University Way, Sippy Downs	Pathway on north side from Columbia St to Albany St	2026 - 2031	$206,640
32	40141	Pathway	Escolar Drive, Mountain Creek	Pathway on west side from Glenfields Bvd to pathway to Mountain Ash Dr	2026 - 2031	$211,488
32	40142	Pathway	Glenfields Boulevard, Mountain Creek	Pathway on south side from Barracuda Crt to Sailfish Dr	2026 - 2031	$100,070
44/35	40150	Pathway	Corbould Way, Meridan Plains	Pathway from Meridan Way to Woodlands Bvd	2026 - 2031	$501,372
45	40193	Pathway	Coonowrin Street, Dicky Beach	Pathway on east side from Beerburrum St to Cooroora St linking to Caloundra Golf Course pathway	2026 - 2031	$147,275
45	40214	Pathway	Ulm Street / Third Av, Caloundra	Pathway from Queens St to Bowman Rd & Oval Av to Arthur St	2026 - 2031	$274,847
27~~/18~~	40331	Pathway	Wilson Avenue / Foley Road, Woombye	Pathway from Hill St via Wilson Av to connect with path on Foley Rd	2021 - 2026	$368,000
18	40400	Pathway	Petrie Creek, Nambour	Pathway from Petrie Park to Howard St easement	2026 - 2031	$343,430
35/32	40405	Footbridge	Sunshine Motorway, Mountain Creek	Footbridge over Motorway from McRantha Pl park to Motorway pathway	2026 - 2031	$1,845,000
45	48113	Pathway	Arthur Street, Caloundra	Pathway through Ben Bennett Park connecting to West Tce and Arthur St	2011 - 2016	$385,000
44	48091	Pathway	Meridan Way, Currimundi	Pathway Rainforest Place to Corbould Way	2011 - 2016	$130,000
					TOTAL	$28,389,094

Note - # There are no land acquisition costs associated with the *active transport* future trunk networks projects

Table CP1.1 Public parks trunk network schedule of works (2011-2031)

Map Ref	Item ID	Type	Description	Land area (ha)	Estimated time for completion	Land Cost	Works Cost	Total cost
43	1531	District Sport	Masterplan to provide infrastructure at Caloundra	20	2016-2021	$5,000,000	$3,961,167	$8,961,167
22	1532	District Recreation	Provide land, masterplan and develop in Maroochydore Principle Activity Centre Structure Plan.	5	2016-2021	$3,983,000	$1,536,990	$5,519,990
~~22~~20	1538	District Sport	Provide land and masterplan to provide infrastructure for Maroochydore. (land only)	5	2016-2021	$3,000,000		$3,000,000
32	1540	SCW Sport	Review masterplan to guide detail design, upgrades at Buderim.	0	2011-2016	$0	$3,406,583	$3,406,583
32	1541	District Sport	Masterplan to provide infrastructure at Buderim.	0	2011-2016	$0	$1,980,583	$1,980,583
~~9~~/11	1544	District Sport	Provide land and masterplan to provide infrastructure at Coolum.(land only)	15	2011-2016	$3,750,000		$3,750,000
45	1545	SCW Recreation	Upgrades at Kings Beach Parkland	0	2016-2021	$0	$2,088,983	$2,088,983
38	1557	SCW Recreation	Minor upgrades where consistent with Open Space Strategy Desired Standards of Services and Mary Cairncross Vision/Charter.	0	2026-2031	$0	$1,146,413	$1,146,413
4	1564	District Sport	Masterplan to provide infrastructure at Doonan	15	2016-2021	$0	$3,961,167	$3,961,167
49	1565	District Recreation	Masterplan and develop a natural setting in Beerwah.	10	2021-2026	$2,000,000	$1,963,000	$3,963,000
48	1567	District Sport	Provide land and masterplan to provide infrastructure for Beerwah.(land only)	10	2021-2026	$2,000,000		$2,000,000

Map Ref	Item ID	Type	Description	Land area (ha)	Estimated time for completion	Land Cost	Works Cost	Total cost
50	1568	District Sport	Masterplan to guide detail design, upgrades at Glasshouse Mountains.	10	2016-2021	$0	$1,980,583	$1,980,583
911	1570	SCW Recreation	Masterplan three parks together to provide an integrated outcome at Coolum.	0	2016-2021	$0	$2,098,983	$2,098,983
39	1572	District Recreation	Prepare masterplan and develop in Maleny.	10	2011-2016	$0	$1,209,830	$1,209,830
18	1575	District Sport	Provide land and masterplan to provide infrastructure at Nambour.	5	2026-2031	$1,500,000	$3,961,167	$5,461,167
22	1576	District Recreation	Implement masterplan to guide upgrades at Maroochydore.	0	2016-2021	$0	$991,500	$991,500
39	1577	District Sport	Implement masterplan to guide upgrades at Maleny.	10	2011-2016	$0	$3,961,167	$3,961,167
16	1580	SCW Recreation	Update masterplan to guide upgrades for Russell Family Park	0	2021-2026	$0	$2,098,983	$2,098,983
39	1584	District Sport	Upgrades at Maleny Showgrounds	0	2026-2031	$0	$1,980,583	$1,980,583
6	1591	District Recreation	Detail design and develop park at Belli Park	0.5	2026-2031	$30,000	$604,915	$634,915
39	1605	SCW Recreation	Prepare masterplan and develop in Maleny.	20	2011-2016	$0	$2,292,827	$2,292,827
50	1607	District Recreation	Prepare and implement masterplan to develop at Glasshouse Mountains.	0	2016-2021	$0	$604,915	$604,915
35	1609	SCW Recreation	Provide land, masterplan and develop in Kawana	20	2021-2026	$10,020,000	$4,177,967	$14,197,967
19	1610	District Sport	Provide land and masterplan to provide infrastructure at Bli Bli.	5	2011-2016	$5,961,167	$2,172,203	$8,133,370
21/~~20~~	1611	SCW Sport	Provide land and masterplan to provide infrastructure at North Maroochy River.	20	2011-2016	$8,000,000	$6,813,167	$14,813,167
11/~~9~~	1654	SCW Sport	Review masterplan to guide detail design, upgrades consistent at Coolum.	0	2011-2016	$0	$3,406,583	$3,406,583
22	1718	Civic Park	Provide land and masterplan to provide infrastructure at Maroochydore.	0.5	2021-2026	$12,500,000	$735,533	$13,235,533
34/~~22~~	1719	District Recreation	Provide land and masterplan to provide infrastructure at Alexandra Headland.	0.3	2016-2021	$1,200,000	$981,500	$2,181,500
34	1722	SCW Recreation	Prepare masterplan to guide detail design upgrades in Mooloolaba.	0	2016-2021	$0	$2,098,983	$2,098,983
34	1734	SCW Recreation	Embellishment in accordance with the masterplan at Alexander Headland.	0	2016-2021	$0	$2,098,983	$2,098,983
20/~~19~~	1735	District Recreation	Implement masterplan to guide upgrades at Bli Bli.	0	2011-2016	$0	$981,500	$981,500
33	1750	District Recreation	Provide land and implement masterplan to develop infrastructure at Sippy Downs.	3	2011-2016	$1,500,000	$1,209,830	$2,709,830
49	1804	District Sport	Implement masterplan to provide infrastructure at Beerwah.	0	2011-2016	$0	$1,980,583	$1,980,583
42	1810	District Sport	Implement masterplan at Landsborough.	0	2011-2016	$0	$1,980,583	$1,980,583
18	1813	District Recreation	Review masterplan(s) to guide detail design, upgrades at Nambour.	4.7	2016-2021	$200,000	$981,500	$1,181,500
49	1815	District Recreation	Review masterplan to consider extension and implement upgrades at Beerwah.	0.5	2016-2021	$2,750,000	$981,500	$3,731,500
22	1817	SCW Sport	Review masterplan to guide detail design, upgrades at Maroochydore.	0	2016-2021	$0	$3,406,583	$3,406,583
40	1841	District Sport	Masterplan to provide infrastructure at Mooloolah.	0	2026-2031		$1,980,583	$1,980,583

Map Ref	Item ID	Type	Description	Land area (ha)	Estimated time for completion	Land Cost	Works Cost	Total cost
21	1847	District Recreation	Implement masterplan to guide upgrades at Marcoola.	0	2011-2016	$0	$991,500	$991,500
33	1852	Civic Park	Masterplan to provide infrastructure at Sippy Downs	0.3	2016-2021	$150,000	$735,533	$885,533
43	2005	SCW Sport	Masterplan to provide infrastructure at Caloundra.	20	2011-2016	$0	$6,813,167	$6,813,167
20	2010	SCW Recreation	Provide land, masterplan and develop in Maroochydore / North Shore Area.	20	2016-2021	$9,782,200	$4,177,967	$13,960,167
~~119~~	2012	District Sport	Provide land and masterplan to provide infrastructure at Coolum.	5	2021-2026	$3,750,000	$3,961,167	$7,711,167
44	2020	District Sport	Implement masterplan to guide infrastructure upgrades at Meridan Plains.	0	2011-2016	$0	$1,980,583	$1,980,583
45	2025	SCW Sport	Implement masterplan Caloundra	0	2021-2026	$0	$3,406,583	$3,406,583
35	2027	SCW Sport	Masterplan to guide detail design, upgrades at Kawana.	0	2016-2021	$3,406,583	$1,448,192	$4,854,775
32	2040	District Recreation	Implement masterplan to guide infrastructure at Buderim.	5	2011-2016	$0	$981,500	$981,500
					TOTAL	$75,482,950	$103,523,942	$184,006,892

Table CP1.2 Public parks trunk network schedule of works (Post 2031)

Map Ref	Item ID	Type	Hierarchy	Land area (ha)	Estimated timeframe for completion	Estimated total cost ($)
35	1529	SCW Recreation	Provide land, masterplan and develop at Birtinya.	5	Post 2031	tba
20	1542	District Sport	Provide land and masterplan to provide infrastructure at Maroochydore.	10	Post 2031	tba
43	1543	District Recreation	Provide land and masterplan to provide infrastructure at Caloundra.	3	Post 2031	tba
21~~/20~~	1550	District Recreation	Masterplan to provide infrastructure for natural setting at Marcoola.	3	Post 2031	tba
39	1559	Civic parks	Masterplan to provide infrastructure in Maleny.	0	Post 2031	tba
10~~/9~~	1562	District Sport	Provide land and masterplan to provide infrastructure at Peregian Springs.	1	Post 2031	tba
21~~/20~~	1563	District Sport	Provide land and masterplan to provide infrastructure at Mudjimba.	4	Post 2031	tba
18	1574	District Sport	Provide land and masterplan to provide infrastructure in Nambour.	5	Post 2031	tba
15	1581	District Recreation	Masterplan and develop a natural setting at Obi Obi.	5	Post 2031	tba
26	1586	District Sport	Provide land and masterplan to provide infrastructure at Palmwoods.	2	Post 2031	tba
~~97/17~~	1589	District Recreation	Masterplan to provide infrastructure at Maroochy River.	0	Post 2031	tba
4	1617	SCW Sport	Provide land and masterplan to provide infrastructure at North Maroochy River.	20	Post 2031	tba
19	1626	Civic parks	Masterplan to provide infrastructure at Bli Bli.	0.5	Post 2031	tba
32	1632	Civic parks	Provide land and masterplan in Mountain Creek.	0	Post 2031	tba
45	1636	District Recreation	Provide land and masterplan to provide infrastructure at Caloundra.	5	Post 2031	tba
45	1638	Civic parks	Provide land and masterplan to provide infrastructure in Caloundra.	0.5	Post 2031	tba
42	1672	Civic parks	Provide land and masterplan in Landsborough.	0.5	Post 2031	tba
25~~/16~~	1711	District Sport	Implement masterplan to guide upgrades at Witta.	0	Post 2031	tba
22	1714	District Recreation	Provide land and masterplan to provide infrastructure at Buderim.	5	Post 2031	tba
32	1715	District Recreation	Provide land and masterplan to provide infrastructure at Buderim North.	5	Post 2031	tba

Map Ref	Item ID	Type	Hierarchy	Land area (ha)	Estimated timeframe for completion	Estimated total cost ($)
22	1724	Civic parks	Provide land and embellishments at Maroochydore	0.5	Post 2031	tba
28	1741	Civic parks	Provide land and masterplan to provide infrastructure at Palmwoods.	1	Post 2031	tba
8/~~7~~	1765	District Sport	Masterplan to provide infrastructure at Yandina.	0	Post 2031	tba
47	1767	District Sport	Masterplan to guide detail design, upgrades at Peachester.	0	Post 2031	tba
27	1771	Civic parks	Provide land and masterplan to provide infrastructure at Woombye.	1	Post 2031	tba
7	1794	District Recreation	Provide land and masterplan to provide infrastructure at Ninderry.	0.5	Post 2031	tba
21/~~20~~	1801	Civic parks	Provide land and masterplan to provide infrastructure at Marcoola.	0.5	Post 2031	tba
13	1805	District Recreation	Provide land, masterplan and develop at Kenilworth.	5	Post 2031	tba
20/17	1806	District Recreation	Provide additional land, masterplan and develop at Diddillibah.	1	Post 2031	tba
9	1811	District Recreation	Masterplan to provide infrastructure for natural setting at Coolum.	0	Post 2031	tba
18	1812	Civic parks	Provide land and masterplan in Nambour.	0.2	Post 2031	tba
28	1814	District Recreation	Provide land and masterplan to provide infrastructure for natural setting at Palmwoods.	3	Post 2031	tba
22	1816	District Recreation	Provide land and masterplan to provide infrastructure for natural setting at Kunda Park.	5	Post 2031	tba
~~19~~/20	1818	District Recreation	Provide land, masterplan to provide infrastructure in Bli Bli.	5	Post 2031	tba
22	1819	District Sport	Masterplan to provide infrastructure at Kunda Park.	2	Post 2031	tba
~~22~~20	1820	District Sport	Masterplan to provide infrastructure at Kunda Park.	5	Post 2031	tba
45	1835	District Recreation	Masterplan to provide infrastructure in Currimundi.	0	Post 2031	tba
44	1836	Civic parks	Detailed design to provide infrastructure at Currimundi.	0	Post 2031	tba
31	1837	Civic parks	Masterplan to provide infrastructure at Kunda Park.	0	Post 2031	tba
32	1843	District Recreation	Provide land, masterplan to provide infrastructure at Buderim.	5	Post 2031	tba
32	1844	District Sport	Provide land, masterplan to provide infrastructure at Buderim.	15	Post 2031	tba
26	1845	District Recreation	Provide land, masterplan to provide infrastructure at Buderim.	5	Post 2031	tba
20	1846	District Sport	Provide land and masterplan to provide infrastructure at Bli Bli.	3	Post 2031	tba
9	1848	District Recreation	Provide land, masterplan to provide infrastructure at Coolum.	5	Post 2031	tba
11/~~9~~	1849	District Recreation	Provide land and masterplan to provide infrastructure at Coolum.	1	Post 2031	tba
29/26	1850	District Recreation	Masterplan to provide infrastructure at Eudlo.	0	Post 2031	tba
18	1851	District Recreation	Provide land, masterplan and develop at Nambour.	5	Post 2031	tba
51	2006	SCW Recreation	Provide land, masterplan and develop in Pumicestone Passage catchment.	20	Post 2031	tba
45	2009	SCW Recreation	Provide land, masterplan and develop in Caloundra.	20	Post 2031	tba
26/30	2011	SCW Recreation	Review masterplan to guide detail design, upgrades Maroochy Bushland Botanic Gardens	0	Post 2031	tba
3	2018	District Recreation	Revise masterplan and implement at Eumundi.	0	Post 2031	tba
53	2019	SCW Recreation	Provide land, masterplan and develop in Glasshouse Mountains.	20	Post 2031	tba
45	2021	District Sport	Masterplan to provide infrastructure at Caloundra.	0	Post 2031	tba
30/43	2022	District Sport	Provide land, masterplan and develop at Meridaen Plains.	0	Post 2031	tba

Map Ref	Item ID	Type	Hierarchy	Land area (ha)	Estimated timeframe for completion	Estimated total cost ($)
35	2029	SCW Sport	Provide land and masterplan to provide infrastructure at Meridaen Plains.	20	Post 2031	tba
43/30	2031	SCW Recreation	Provide land, masterplan and develop in Meridan Plains.	20	Post 2031	tba
43	2032	SCW Recreation	Masterplan to provide infrastructure at Little Mountain.	20	Post 2031	tba

Table CP2 Land for community facilities trunk network schedule of works

Map ref	Item ID	Item description (land only)	Catchment	Estimated timeframe for completion	Estimated total cost
40	0102	*Cemetery*	District	2011-2016	$980,000
45	0605	Community meeting place and Library facility	District	2016-2021	$4,900,000
34	2602	Community meeting place	District	2016-2021	$3,500,000
~~45~~	~~0608~~	~~Learning & Information Centre - Library facility~~	~~District~~	~~2016-2021~~	~~$0~~
33	3906	Learning & Information Centre - Library facility	District	2011-2016	$105,000
~~119~~	0706	Learning & Information Centre - Library facility	District	2021-2026	$2,695,000
18	2905	Learning & Information Centre - Library facility	District	2016-2021	$42,000
				TOTAL	**$12,222,000**

4.7 Extrinsic material

4.7.1 List of extrinsic material

The documents stated in **Table 4.7.1 (Extrinsic material to priority infrastructure plan)**, which assist in the interpretation of this priority infrastructure plan, are extrinsic material under the *Statutory Instruments Act 1992*.

Table 4.7.1 Extrinsic material to priority infrastructure plan

Column 1 Trunk infrastructure network	Column 2 Title of document
~~Water supply trunk network~~	~~Unitywater Netserv Plan Part B Growth Management Plan v0-9 March 2013~~
~~Sewerage trunk network~~	~~Unitywater Netserv Plan Part B Growth Management Plan v0-9 March 2013~~

Stormwater quality trunk network	• Stormwater Quality Infrastructure Summary 2011-2016 31-07-12
	• Urban Stormwater Management Strategy, 2002
	• Maroochy River Environmental Values and Water Quality Objectives - Environmental Protection (Water) Policy 2009
	• Water Quality Infrastructure Planning – Conceptual Network Reports 2008
	  ○ Stormwater Quality Infrastructure Planning
	  ○ Device Implementation by Catchment Schedule (7/10/2008)
	  ○ Device Implementation by Device Class Schedule (7/10/2008) November 2008
	• Caloundra City Council - Stormwater Infrastructure Conceptual Planning Guidelines and Infrastructure Charges Methodology July 2006
	• Coochin Creek (Beerwah) Plans for Trunk Infrastructure (PFTI) & Stormwater Infrastructure Charges Report June 2007
	• Mooloolah & South Mooloolah River Plans for Trunk Infrastructure (PFTI) & Stormwater Infrastructure Charges Report June 2007
	• Pumicestone PIA Plans for Trunk Infrastructure (PFTI) & Stormwater Infrastructure Charges Report June 2007
	• Obi Obi & Walkers Creek Plans for Trunk Infrastructure (PFTI) & Stormwater Infrastructure Charges Report June 2007
	• Lamerough Creek & Duck Holes Creek Plans for Trunk Infrastructure (PFTI) &

Column 1 Trunk infrastructure network	Column 2 Title of document
	Stormwater Infrastructure Charges Report June 2007 • Ewen Maddock Catchment Plans for Trunk Infrastructure (PFTI) & Stormwater Infrastructure Charges Report June 2007 • Coonowrin Creek (Glasshouse) Plans for Trunk Infrastructure (PFTI) & Stormwater Infrastructure Charges Report June 2007 • Caloundra West Plans for Trunk Infrastructure (PFTI) & Stormwater Infrastructure Charges Report June 2007 • Tooway Creek Plans for Trunk Infrastructure (PFTI) & Stormwater Infrastructure Charges Report June 2007 • Kings Beach Plans for Trunk Infrastructure (PFTI) & Stormwater Infrastructure Charges Report June 2007 • Mellum Creek B Catchment Plans for Trunk Infrastructure (PFTI) & Stormwater Infrastructure Charges Report June 2007 • Mellum & Little Rocky Creek (Landsborough) Plans for Trunk Infrastructure (PFTI) & Stormwater Infrastructure Charges Report June 2007 • Mooloolah River East Plans for Trunk Infrastructure (PFTI) & Stormwater Infrastructure Charges Report June 2007
Transport trunk network (Roads network)	Sustainable Transport Strategy 2011-2031
Transport trunk network (*Active transport* network)	Active Transport Plan 2011-2031
Open space, land for community facilities and recreation trails network	Open Space Strategy 2011 Sport and Recreation Plan 2011-2026 Social Infrastructure Strategy 2011 Aquatic Plan 2011-2026

Part 4