

2015 | Fraser Coast Water Supply Strategy

August 2015

Appendices Volume 1

APPENDIX 1 – CAPITAL WORKS PROGRAM

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Year Required	Budget	Strategy ID	Map ID	Coordinates	Description	Headworks	Driver	Type	Diameter (mm)	Length (m)	Cost (000's)
2016	CAPEX	WCM022	MB1	A1	Milton St - Pallas St to Ariadne St	F	Condition	Water Main	100	412	\$ 69
2016	CAPEX	WCM043	MB3	A5	Walker St - Neptune St to Croydon St	F	Condition	Water Main	150	999	\$ 212
2016	CAPEX	WCM044	MB3	B5	Hunter St - Reed Ave to Boys Ave	F	Condition	Water Main	100	255	\$ 43
2016	CAPEX	WCM060	MB3	B5	Aberdeen Ave - St Clair Ave to Neptune St	F	Condition	Water Main	225	234	\$ 70
2016	CAPEX	WCM061	MB4	D3	Neptune St - Aberdeen Ave to Walker St	F	Condition	Water Main	225	119	\$ 35
2016	CAPEX	WCM062	MB3	A5	Russell St - Kent St to Stafford St	F	Condition	Water Main	100	221	\$ 37
2016	CAPEX	WCM063	MB4	D3	Neptune St - Kent St to Walker St	F	Condition	Water Main	100	421	\$ 71
2016	CAPEX	WCM064	MB4	E4	Walker St - Neptune St to Amity St	F	Condition	Water Main	225	512	\$ 153
2016	CAPEX	WCM065	MB4	E4	Yarralla St - Kent St to Walker Stq	F	Condition	Water Main	100	396	\$ 66
2016	CAPEX	WCM067	MB3	A5	Price St - Stafford St to Walker St	F	Condition	Water Main	100	227	\$ 38
2016	CAPEX	WCM068	MB3	A5	Alan St - Stafford St to Burrum St	F	Condition	Water Main	100	130	\$ 22
2016	CAPEX	WCM069	MB4	E4	Unity St - Kent St to Walker St	F	Condition	Water Main	100	421	\$ 71
2016	CAPEX	WCM070	MB3	A5	Croydon St - Kent St to Walker St	F	Condition	Water Main	100	305	\$ 51
2016	CAPEX	WCM071	MB3	A5	Aldridge St - Kent St to Burrum St	F	Condition	Water Main	100	342	\$ 57
2016	CAPEX	WCM072	MB3	A5	Buckler St - Russell St to Aldridge St	F	Condition	Water Main	100	211	\$ 35
2016	CAPEX	WCM074	MB4	E4	Kent St - Ferry St to Amity St	F	Condition	Water Main	100	948	\$ 159
2016	CAPEX	WCM094	MB4	E4	Rocky St - Kent St to Sussex St	F	Condition	Water Main	100	238	\$ 40
2016	CAPEX	WCM106	MB4	D4	Sussex - Neptune to Yarralla	F	Condition	Water Main	100	191	\$ 32
2016	CAPEX	WCM156	MB3	A5	Burrum St - Between Price St and Aldridge St	F	Condition	Water Main	100	163	\$ 27
2016	CAPEX	WCM157	MB3	A5	Stafford St - Between Aldridge St and Russell St	F	Condition	Water Main	100	210	\$ 35
2016	CAPEX	W37	HB1	D1	Churchill St, between Cypress St & Esplanade	F	Efficiency	Water Main	150	146	\$ 39
2016	CAPEX	W7	HB3	B3	Medical Place	F	Fire Flow	Water Main	150	268	\$ 57
2016	CAPEX	W29	HB6	B2	Petersens Rd, from oregan Dr to just pass Pinnacle ct.	F	Fire Flow	Water Main	150	220	\$ 59
2016	CAPEX	W40	HB1	D4	Kruger Ct, Urangan	F	Fire Flow	Water Main	150	67	\$ 14
2016	CAPEX	W68	HB1	D4	Driftwood Ct	F	Fire Flow	Water Main	150	92	\$ 20
2016	CAPEX	W139	MB5	C1	Franklin Cl,	F	Fire Flow	Water Main	100	68	\$ 11
2016	CAPEX	W33	HB6	D3	Between Waterview DR and Panaorma Dr	F	Growth	Water Main	150	261	\$ 55
2016	CAPEX	W34	HB1	D3	Vanda St & Elizabeth St	F	Growth	Water Main	150	8	\$ 2
2016	CAPEX	W44	HB4	E1	Main St, between Johnston BVD & Jensen Dr	F	Growth	Water Main	150	223	\$ 47
2016	CAPEX	W46	HB7	A3	Toogoom Rd	F	Growth	Water Main	150	154	\$ 33
2016	CAPEX	W69	HB1	B4	Boundary RD, connection from Hughes Rd	F	Growth	Water Main	150	341	\$ 72
2016	CAPEX	W81	HB2	A3	Bay Park Rd - Bay Park Rd to Ridge Rd.	F	Growth	Water Main	100	406	\$ 68
2016	CAPEX	W98	HB10	B4	River Heads HZ WPS	F	Growth	Water Pumpstation	150		\$ 86
2016	CAPEX	W171	MB1	D3	Mathew Parade	F	Growth	Water Main	63	67	\$ 7
2016	CAPEX	W87	HB10	B4	River Heads Rd - Booral Booster PSP to RH RES part 1	T	Growth	Water Main	250	6131	\$ 500
2016	CAPEX	W188	MB3	A5	Boys Avenue RES	T	Growth	Water Main	450	95	\$ 91
2016	CAPEX	W189	MB3	A5	Boys Avenue RES	T	Growth	Water Main	600	7	\$ 9
2016	CAPEX	W202	HB4	B1	Intersection of Scrub Hill Rd & Lower Mountain Road	F	Growth	water main	100	128	\$ 21
2016	CAPEX	W206	HB4	C1	Madsen Rd pumpstation	T	Growth	Water Pumpstation			\$ 1,505
2016	CAPEX	W908	HB4	D1	1 Andersen Av, Urraween	F	Growth	Water PRV	100		\$ 30

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2016	CAPEX	W85	HB4	B1	Urraween Rd, connection into 250mm + PRV	T	Growth	Water Main	250	23	\$ 20
2016	CAPEX	W49	HB5	C4	Drury Lane, Dundowran	T	Growth	Water Main	450	2050	\$ 1,962
2016	CAPEX	W295	HB6	D4	Gen Set installation - Dundowran (Purser Rd) WPS	T	Reliability	Water Pumpstation			\$ 50
2016	CAPEX	W296	HB4	D2	Gen Set installation - Ghost Hill #2 HLZ WPS		Reliability	Water Pumpstation			\$ 70
2016	CAPEX	W297	HB2	E4	Gen Set installation - Booral WPS	T	Reliability	Water Pumpstation			\$ 40
2016	CAPEX	W302	HB4	C1	Gen Set installation - Madsen Rd Water Pump Station	T	Reliability	Water Pumpstation			\$ 200
2016	CAPEX	W304	MB5	D2	Gen Set installation - Tinana WPS - Nathan Street	T	Reliability	Water Pumpstation			\$ 40
2016	CAPEX	W275	HB6	C3	High Point Rd - North Point Ct to Karraschs Rd	T	SOS	Water Main	150	282	\$ 60
2016	CAPEX	W276	HB6	D3	Apex PS - High Point Rd - North Point Ct to Karraschs Rd	T	SOS	Water Pumpstation			\$ 169
2016	CAPEX	W197	HB3	B2	New Chlorne Booster - Point Vernon and DCP2	T	Water Quality	Treatment			\$ 250
2016	CAPEX	W198	HB9	E3	New Chlorne Booster - Torbenlea	T	Water Quality	Treatment			\$ 275
2016	CAPEX	W199	HB8	B1	Relocation of Chlorne Booster - Toogoom	T	Water Quality	Treatment			\$ 100
2016	CAPEX	W204	MB3	B5	Install Continuous CL2 Monitoring sites Maryborough	F	Water Quality	Treatment			\$ 60
2016	CAPEX	W910	TED1	C4	Raw Water Pipeline at Teddington.	T	Water Quality	Treatment	375	300	\$ 206
2016	CAPEX	W67	HB1	D2	Elizabeth St interconnection	F	Water Quality	Water Main	150	49	\$ 10
2016	CAPEX	W164	MB5	D2	Sunrise Drv.	F	Water Quality	Water Main	63	109	\$ 12
2016	CAPEX	W174	MB5	B3	Poincianna Ct and Laurel Ct interconnection	F	Water Quality	Water Main	100	147	\$ 25
2016	CAPEX	W290	HB8	B3	Burgowan WTP Ozone/ BAC treatment upgrade	T	Water Quality	Treatment			\$ 2,626
2016 Total											\$ 10,224
2017	CAPEX	WCM050	MB4	C4	Russell St, MBH - George St to Alice St	F	Condition	Water Main	100	242	\$ 41
2017	CAPEX	WCM052	MB4	C4	Jupiter St, MBH - Alice St to Edward St	F	Condition	Water Main	100	220	\$ 37
2017	CAPEX	WCM053	MB4	D4	Morning St, MBH - Carlisle St to Alice St	F	Condition	Water Main	250	330	\$ 108
2017	CAPEX	WCM054	MB4	C4	George St, MBH - Neptune St to Jupiter St	F	Condition	Water Main	100	434	\$ 73
2017	CAPEX	WCM055	MB4	C3	Raven St, MBH - Russell St to Mid Block	F	Condition	Water Main	100	147	\$ 25
2017	CAPEX	WCM056	MB4	C4	Morning St - George St to Alice St	F	Condition	Water Main	100	211	\$ 35
2017	CAPEX	WCM057	MB4	C4	Richard - Russell St, MBH to Jupiter	F	Condition	Water Main	100	230	\$ 39
2017	CAPEX	WCM059	MB4	D4	Alice St, MBH - Ululah Lake to Aldridge St	F	Condition	Water Main	150	1380	\$ 292
2017	CAPEX	WCM085	MB5	D1	Cheapside St, MBH - Ann St to Albert St	F	Condition	Water Main	100	208	\$ 35
2017	CAPEX	WCM107	MB5	D1	Pleasant St, MBH - Queen St to Ann St	F	Condition	Water Main	100	228	\$ 38
2017	CAPEX	WCM113	MB5	D1	Queen St, MBH- Ferry St to Lions Drive	F	Condition	Water Main	100	709	\$ 119
2017	CAPEX	WCM119	MB4	E4	Kenilworth St, MBH - Ellena St and railway line	F	Condition	Water Main	100	101	\$ 17
2017	CAPEX	W902	MB3	B5	Zone Boundary Creation - Bell Hilltop	T	Efficiency	DMA			\$ 25
2017	CAPEX	W109	MB5	C4	Koala Cr,Tinana - Teddington Rd to Koala Cr	F	Fire Flow	Water Main	150	260	\$ 55
2017	CAPEX	W138	MB3	D5	Gilbert St, MBH - Cul-de-sac loop.	F	Fire Flow	Water Main	150	61	\$ 13
2017	CAPEX	W140	MB1	C4	Kent St, MBH CBD - Ajax St & Tribune St.	F	Fire Flow	Water Main	150	47	\$ 10
2017	CAPEX	W31	HB3	D3	Urraween Distributor Rd	F	Growth	Water Main	150	155	\$ 33
2017	CAPEX	W39	HB4	E1	Urraween Distributor Rd	F	Growth	Water Main	150	113	\$ 24
2017	CAPEX	W914	HB3	E3	Oleander Av, Kawungan - Areca Dr to near Grevillea St	F	Growth	Water Main	150	153	\$ 32
2017	CAPEX	W144	MB3	C5	Arandne St, MBH - Victory to Sydney St.	F	Growth	Water Main	150	313	\$ 66
2017	CAPEX	W173	MB5	C3	Tulipwood Dr, Tinana - near Melaleuca Ct to Walworth St.	F	Growth	Water Main	150	103	\$ 22
2017	CAPEX	W87	HB10	B4	River Heads Rd - Booral Booster PSP to RH RES part 2	T	Growth	Water Main	250	6131	\$ 1,678
2017	CAPEX	W191	MB1	B3	March Lane, MBH CBD - Ellena St to Bowen St	F	Growth	Water Main	150	100	\$ 21
2017	CAPEX	W167	MB1	C1	Aubinvilla Connection Rd, MBH - Waratah St to Lennox St. Smith St connection into 150mm	F	Growth	Water Main	150	762	\$ 162

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2017	CAPEX	W137	MB5	D1	Ferry St, MBH - South St to Ann St	F	Growth	Water Main	150	226	\$ 48
2017	CAPEX	W266	HB3	D3	Urraween Distributor Rd - Main St loop	T	Growth	Water Main	200	1395	\$ 368
2017	CAPEX	W201	HB10	B4	Relocation of Chlorine Booster from Booral PS to River Heads Reservoir	T	Water Quality	Treatment			\$ 100
2017	CAPEX	W134	MB1	A2	Kent St, MBH - Ferry to inline with Fort St	F	Water Quality	Water Main	150	170	\$ 36
2017	CAPEX	W201-A			Relocation of Chlorine Booster from Aberdeen Av to Boys Av Reservoir	T	Water Quality	Treatment			\$ 100
2017	CAPEX	W135	MB1	A2	Ferry St. MBH - Thomas to Alice St	F	Water Quality	Water Main	150	150	\$ 32
2017	CAPEX	W312	MB3	A5	Jupiter St and Aberdeen Av Boundary Valve Relocation	F	Water Quality	Water Main	100		\$ 5
2017	CAPEX	W313	MB3	A5	Aberdeen Av – Matthies St to Connolly St and associated boundary valves	F	Water Quality	Water Main	100	92	\$ 30
2017	CAPEX	W314	MB1	A1	Interconnection between Ariadne St and North St	F	Water Quality	Water Main	100		\$ 15
2017	CAPEX	W315	MB4	E4	Sussex St and Amity St Interconnector	F	Water Quality	Water Main	100		\$ 30
2017 Total											\$ 3,764
2018	CAPEX	WCM008	MB3	C5	Victory St, MBH - Pallas St to Ariadne St	F	Condition	Water Main	100	450	\$ 76
2018	CAPEX	WCM009	MB1	B1	John St, MBH - Woodstock St to Moreton St End	F	Condition	Water Main	150	528	\$ 112
2018	CAPEX	WCM010	MB3	C5	James St, MBH - Bedford St to Victory St	F	Condition	Water Main	100	334	\$ 56
2018	CAPEX	WCM011	MB1	B1	Woodstock St, MBH - Ariadne St to Lennox St	F	Condition	Water Main	250	1474	\$ 485
2018	CAPEX	WCM012	MB1	B1	Saltwater Creek Rd, MBH - John St to Pallas St	F	Condition	Water Main	150	1592	\$ 337
2018	CAPEX	WCM015	MB3	C5	Cheapside St, MBH - Woodstock St to Bedford St	F	Condition	Water Main	100	350	\$ 59
2018	CAPEX	WCM017	MB4	E3	Cheapside St, MBH - Ella St to Woodstock St	F	Condition	Water Main	300	318	\$ 124
2018	CAPEX	WCM019	MB1	B1	Woodstock St, MBH - Lennox St to End	F	Condition	Water Main	100	100	\$ 17
2018	CAPEX	WCM020	MB3	D5	Gaynor St, MBH - Demaine St to Saltwater Creek Rd	F	Condition	Water Main	100	182	\$ 31
2018	CAPEX	WCM021	MB1	B1	Grosvenor St, MBH - Woodstock St to Demaine St	F	Condition	Water Main	100	514	\$ 86
2018	CAPEX	WCM023	MB3	C5	Pallas St, MBH - Woodstock St to Wilson St	F	Condition	Water Main	250	718	\$ 236
2018	CAPEX	WCM024	MB3	C5	Bedford St, MBH - Cheapside St to Ariadne St	F	Condition	Water Main	100	216	\$ 36
2018	CAPEX	WCM025	MB3	D5	Gilbert St, MBH - Saltwater Creek Rd to End	F	Condition	Water Main	100	216	\$ 36
2018	CAPEX	WCM027	MB1	B1	Park St, MBH - Park St to Ashton St	F	Condition	Water Main	100	355	\$ 60
2018	CAPEX	WCM030	MB1	B1	William St, MBH - John St to Moreton St	F	Condition	Water Main	100	443	\$ 74
2018	CAPEX	WCM031	MB1	B1	Treasure St, MBH - Demaine St to John St	F	Condition	Water Main	150	327	\$ 69
2018	CAPEX	WCM033	MB3	D5	Sydney St, MBH - Saltwater Creek Rd to mid block	F	Condition	Water Main	100	294	\$ 49
2018	CAPEX	WCM038	MB1	C1	Dalhousie St, MBH - Lennox St to End	F	Condition	Water Main	100	169	\$ 28
2018	CAPEX	WCM046	MB1	C2	Odessa St, MBH - Arnaud St to Banana	F	Condition	Water Main	300	404	\$ 158
2018	CAPEX	WCM048	MB1	C2	Banana St, MBH - Odessa St to Wolseley	F	Condition	Water Main	150	647	\$ 137
2018	CAPEX	W903	MB1	A1	Zone Boundary Creation - CBD and Low Zone boundary	T	Efficiency	DMA			\$ 60
2018	CAPEX	W27	HB1	E3	Pulgul St, Urangan - Edward St & Moolyyir St	T	Fire Flow	Water Main	200	1127	\$ 300
2018	CAPEX	W38	HB1	D4	Esplanade, Urangan - Boundary Rd & Esplanade	T	Fire Flow	Water Main	200	1982	\$ 665
2018	CAPEX	W42	HB6	A2	Castles Rd, Craignish - Glenco Dr to just before Craigslee Ct	T	Fire Flow	Water Main	200	560	\$ 148
2018	CAPEX	W91	HB6	D2	Sempfs Rd, Dundowran - Ansons Rd to Sawmill Rd	T	Fire Flow	Water Main	200	2206	\$ 740
2018	CAPEX	W92	HB1	A3	Colyton St, Torquay - Denman Camp Rd to Tavistock St + Connection to Bergin Ct	T	Fire Flow	Water Main	200	416	\$ 126
2018	CAPEX	W43	HB1	E3	Buccaneer Dr - Miller St & Jetty St	F	Fire Flow	Water Main	150	99	\$ 27
2018	CAPEX	W60	HB2	A1	Samarai Dr, Kawungan - Samarai Dr to Doolong South Rd	T	Growth	Water Main	200	568	\$ 150
2018	CAPEX	W71	HB1	A4	Bideford St, Torquay - Boundary Rd to Vicki Pde	T	Growth	Water Main	200	168	\$ 44
2018	CAPEX	W90	HB3	C1	Hythe Street & Esplanade, 2nd feed into Pt Vernon + PRV	T	Growth	Water Main	200	2	\$ 35
2018	CAPEX	W282	HB10	A1	River Hds: Land Purchase for Reservoir Site. 70 Rokeby Dr, Booral.	T	Growth	Reservoir			\$ 615
2018	CAPEX	W913	HB4	B1	Urraween Rd, connection into 450mm	F	Growth	Water PRV	200		\$ 35

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2018	CAPEX	W303	MB1	A3	Gen Set installation - Ann Street WPS	T	Reliability	Water Pumpstation			\$ 50
2018	CAPEX	W279	MB1	A3	Ann St Reservoir Site Reinstate PS	T	SOS	Water Pumpstation			\$ 191
2018	CAPEX	W316	MB1	A3	Ann St Reservoir Site Install Chlorine Booster	T	Water Quality	Treatment			\$ 200
2018	CAPEX	W326	TED1	C4	Takura Reservoir - Chlorine Booster Installation	T	Water Quality	Treatment			\$ 201
2018	CAPEX	W904	MB1	A3	Aerator at Ann St for removal of THM	T	Water Quality	Treatment			\$ 80
2018	CAPEX	W907	TED1	C4	Teddington Lime/CO ₂ stabilisation	T	Water Quality	Treatment			\$ 800
2018	CAPEX	W901	HB8	B3	Burgowan WTP Potassium Permanganate	T	Water Quality	Treatment			\$ 200
2018	CAPEX	W317	HB3	E3	Grevillea St - Honeysuckle Av to Meledie Av	F	Water Quality	Water Main	150	100	\$ 50
2018	CAPEX	W318	HB3	E2	McNally St - Boat Harbour Dr to John St	F	Water Quality	Water Main	100	125	\$ 30
2018	CAPEX	W319	HB1	A3	Bideford and Boat Harbour Drive Interconnection	F	Water Quality	Water Main	200		\$ 40
2018	CAPEX	W320	HB10	B5	Sandpiper St – Curlew Tce to Turnstone Bvd	F	Water Quality	Water Main	100	90	\$ 30
2018 Total											\$ 7,083
2019	CAPEX	WCM076	MB1	A3	Richmond St, MBH - Alice St to Albert St	F	Condition	Water Main	150	234	\$ 50
2019	CAPEX	WCM077	MB1	B3	Ellena St, MBH - Richmond St to March St	F	Condition	Water Main	250	209	\$ 69
2019	CAPEX	WCM078	MB1	A3	Ann St, MBH - Adelaide Lane to Zante St	F	Condition	Water Main	150	674	\$ 143
2019	CAPEX	WCM079	MB1	A3	Bazaar St, MBH - Ann St to Queen St	F	Condition	Water Main	100	221	\$ 37
2019	CAPEX	WCM080	MB1	A3	Bazaar St, MBH - Alice St to Ann St	F	Condition	Water Main	150	437	\$ 93
2019	CAPEX	WCM081	MB1	A3	Richmond St, MBH - Queen St to Ann St	F	Condition	Water Main	100	221	\$ 37
2019	CAPEX	WCM082	MB1	A3	Richmond St, MBH - Ann St to Albert St	F	Condition	Water Main	150	202	\$ 43
2019	CAPEX	WCM095	MB1	A3	Adelaide Lane, MBH - Ann St to Albert St	F	Condition	Water Main	300	210	\$ 82
2019	CAPEX	WCM096	MB1	B2	Wharf St, MBH - Richmond St to March St	F	Condition	Water Main	100	215	\$ 36
2019	CAPEX	WCM103	MB1	A3	Richmond Lane, MBH - Queen St to Ellena St	F	Condition	Water Main	100	885	\$ 149
2019	CAPEX	WCM112	MB1	A3	Adelaide Lane, MBH - Queen St to Ann St	F	Condition	Water Main	100	221	\$ 37
2019	CAPEX	WCM128	MB1	A3	March St, MBH - Queen St to Ann St	F	Condition	Water Main	100	216	\$ 36
2019	CAPEX	WCM129	MB1	B3	Kent St, MBH - March St to Tiger St	F	Condition	Water Main	300	870	\$ 340
2019	CAPEX	WCM130	MB1	B3	Albert St, MBH - March to Zante	F	Condition	Water Main	100	219	\$ 37
2019	CAPEX	WCM131	MB1	B3	Crimmens St, MBH - Alice St to Albert St	F	Condition	Water Main	100	233	\$ 39
2019	CAPEX	WCM133	MB1	B3	Zante St, MBH - Ann St to Ellena St	F	Condition	Water Main	100	659	\$ 111
2019	CAPEX	WCM134	MB1	B3	March St, MBH - Albert St to Kent St	F	Condition	Water Main	300	664	\$ 260
2019	CAPEX	WCM135	MB1	A3	Richmond St, MBH - Queen St to River End	F	Condition	Water Main	100	64	\$ 11
2019	CAPEX	WCM136	MB1	B3	Alice St, MBH - March St to Zante St	F	Condition	Water Main	150	228	\$ 48
2019	CAPEX	WCM137	MB1	B3	Anzac Ave, MBH - Guava St to End	F	Condition	Water Main	100	109	\$ 18
2019	CAPEX	WCM138	MB1	B3	March Lane, MBH - Alice St to Bowen St	F	Condition	Water Main	100	221	\$ 37
2019	CAPEX	WCM139	MB1	B3	Charles St, MBH - Zante St to Alice St	F	Condition	Water Main	100	185	\$ 31
2019	CAPEX	WCM140	MB1	A3	Queen St, MBH - March St to Richmond St	F	Condition	Water Main	100	216	\$ 36
2019	CAPEX	WCM141	MB1	A3	March St, MBH - Ann St to Albert St	F	Condition	Water Main	225	203	\$ 61
2019	CAPEX	WCM142	MB1	B3	Scott St, MBH - March St to Zante St	F	Condition	Water Main	100	225	\$ 38
2019	CAPEX	WCM143	MB1	B3	Guava St, MBH - Ann St to Alice St	F	Condition	Water Main	100	448	\$ 75
2019	CAPEX	WCM144	MB1	B3	Brennan Ave, MBH - Zante St to Guava St	F	Condition	Water Main	100	219	\$ 37
2019	CAPEX	WCM145	MB1	C3	Norway, MBH - Kent to Mary	F	Condition	Water Main	100	101	\$ 17
2019	CAPEX	WCM146	MB1	B3	Ellena St, MBH - March St to Zante St	F	Condition	Water Main	300	206	\$ 80
2019	CAPEX	WCM147	MB1	C4	Kent St, MBH - Ajax St to End	F	Condition	Water Main	100	224	\$ 38
2019	CAPEX	WCM148	MB1	B3	York Ave, MBH - Guave St to End	F	Condition	Water Main	100	85	\$ 14

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2019	CAPEX	WCM149	MB1	B4	Wyland St, MBH - Ann St to Albert St	F	Condition	Water Main	100	207	\$ 35
2019	CAPEX	WCM150	MB1	B4	Tiger St, MBH - Ann St to Albert St	F	Condition	Water Main	100	203	\$ 34
2019	CAPEX	WCM151	MB1	A3	Carlson Ave, MBH - Queen St to Ann St	F	Condition	Water Main	100	216	\$ 36
2019	CAPEX	WCM152	MB1	C4	Ajax St, MBH - Kent St to River End	F	Condition	Water Main	100	139	\$ 23
2019	CAPEX	WCM153	MB1	B3	Guava St, MBH - Mary St to Kent St	F	Condition	Water Main	100	103	\$ 17
2019	CAPEX	WCM154	MB1	B3	March St, MBH - Kent St to Wharf St	F	Condition	Water Main	150	120	\$ 25
2019	CAPEX	WCM155	MB1	B3	Guava St, MBH - Kent St to River End	F	Condition	Water Main	100	114	\$ 19
2019	CAPEX	W48	HB6	D4	Pursers Road pumpstation Dundowran	T	Growth	Water Main	300	37	\$ 14
2019	CAPEX	W79	HB4	E2	Kawungan Distributor Rd - Doolong Rd to Samarai Dr	T	Growth	Water Main	250	1425	\$ 399
2019	CAPEX	W154	MB3	D4	Saltwater Creek Rd, MBH - Arbury St to Ariadne Rd	T	Growth	Water Main	250	911	\$ 300
2019	CAPEX	W200	HB4	B1	Scrub Hill Rd - Lower Mountain Rd to Urraween Rd	F	Growth	water main	250	391	\$ 150
2019	CAPEX	W285	HB8	B3	BWTP: Add'l Treatment Capacity for Recycled Water	T	Growth	Treatment			\$ 5,500
2019	CAPEX	W321	TIA1	C2	Gee St to River St	F	Water Quality	Water Main	100	75	\$ 25
2019	CAPEX	W322	TIA1	C2	River St to Short St	F	Water Quality	Water Main	100	75	\$ 25
2019	CAPEX	W323	TIA1	C2	Smith Av and Walter St Interconnection	F	Water Quality	Water Main	100	80	\$ 25
2019	CAPEX	W324	TIA1	C2	Burgess St – Tiaro St to Bruce Highway	F	Water Quality	Water Main	100	310	\$ 70
2019 Total											\$ 8,837
2020	CAPEX	WCM159	MB1	A2	Alice St, Maryborough CBD.	T	Growth	Water Main	300	152	\$ 59
2020	CAPEX	WCM160	MB5	E1	Ferry St, MBH - Queen St to Alvie St	T	Growth	Water Main	300	242	\$ 94
2020	CAPEX	W178	HB2	C3	Doolong South Rd to River Heads Rd, Booral	T	Growth	Water Main	300	4959	\$ 2,850
2020	CAPEX	W906	TED1	C4	Teddington WTP - Ozone/BAC process (provisional)	T	Water Quality	Treatment			\$ 2,700
2020 Total											\$ 5,703
2021	CAPEX	W99	HB8	B3	Burgowan Clear water Pumpstation upgrade	T	Growth	Water Pumpstation	600		\$ 600
2021	CAPEX	W256	HB4	C2	Nikenbah Structure Plan	F	Growth	Boundary Valve	150		\$ 10
2021	CAPEX	W258	HB4	C2	Nikenbah Structure Plan	F	Growth	Boundary Valve	200		\$ 10
2021	CAPEX	W100	HB6	D4	Dundowran (Purser Rd) pumpstation upgrade	T	Growth	Water Pumpstation	300		\$ 295
2021	CAPEX	W179	HB8	B4	Burgowan to Boys Ave +2 x PS	T	Reliability	Water Main	600	23911	\$ 30,923
2021	CAPEX	W271	MB5	C3	Willow Ct, Tinana - Cul-de-sac loop main	F	Water Quality	Water Main	63	38	\$ 5
2021	CAPEX	W272	MB5	B3	Gateway Ct, Tinana - Cul-de-sac loop main	F	Water Quality	Water Main	63	69	\$ 7
2021	CAPEX	W273	MB5	B3	Mimosa Ct, Tinana - Cul-de-sac loop	F	Water Quality	Water Main	63	25	\$ 5
2021	CAPEX	W274	MB5	B3	Casuarina Ct, Tinana - Cul-de-sac loop	F	Water Quality	Water Main	63	25	\$ 5
2021 Total											\$ 31,860
2022	CAPEX	W17	HB2	B1	Carrick way, Wondunna - Burralong Dr & Mungara Ct	F	Fire Flow	Water Main	150	256	\$ 54
2022	CAPEX	W21	HB3	E2	Frank St, Scarness - Freshwater St & Esplanade	F	Fire Flow	Water Main	150	116	\$ 31
2022	CAPEX	W70	HB9	B2	White St, Howard - Bruce Highway crossing	F	Fire Flow	Water Main	150	265	\$ 56
2022	CAPEX	W128	MB1	D3	Grevillea Drv, Ganville - Grevilla Dr to Maryborough Cooloolool Rd	F	Fire Flow	Water Main	150	197	\$ 42
2022	CAPEX	W129	MB1	D4	Kinghom Rd, Granville - Cul-de-sac loop	F	Fire Flow	Water Main	150	75	\$ 16
2022	CAPEX	W130	MB1	E4	Yarilee Dr, Granville - Yarilee Dr to Cul-de-sac end.	F	Fire Flow	Water Main	150	425	\$ 90
2022	CAPEX	W18	HB3	E2	McKean Rd, Scarness - Hervey St and Queens Rd.	T	Growth	Water Main	200	526	\$ 176
2022	CAPEX	W12	HB5	D4	Augustus Bvd, Eli Waters - Scrub Hill Rd to Evans Rd.	T	Growth	Water Main	200	275	\$ 73
2022	CAPEX	W19	HB7	C3	O'Regan Ck Rd, from Jeppesen Rd, Toogoom	T	Growth	Water Main	200	495	\$ 131
2022	CAPEX	W20	HB3	E2	Queens Rd, Scarness - McKean Rd to Esplanade.	T	Growth	Water Main	200	103	\$ 34
2022	CAPEX	W23	HB3	D3	Royal Drive, Kawungan - Areca Dr and Queben Ct	F	Growth	Water Main	150	168	\$ 36

APPENDIX 1 – CAPITAL WORKS PROGRAM

Year Required	Budget	Strategy ID	Map ID	Coordinates	Description	Headworks	Driver	Type	Diameter (mm)	Length (m)	Cost (000's)
2022	CAPEX	W24	HB7	A3	Toogoom Rd, Toogoom - Connection off 300mm Trunk	F	Growth	Water Main	150	6	\$ 5
2022	CAPEX	W131	MB5	B2	Central Rd. Tinana - Bruce Hwy to Tulip Dr	T	Growth	Water Main	200	551	\$ 124
2022	CAPEX	W132	MB5	B3	Bruce Highway, Tinana - Central Rd & Lindah Rd	F	Growth	Water Main	150	1604	\$ 289
2022	CAPEX	W220	HB4	B2	Nikenbah Structure Plan	T	Growth	water main	150	376	\$ 104
2022	CAPEX	W221	HB4	C2	Nikenbah Structure Plan	T	Growth	water main	150	410	\$ 114
2022	CAPEX	W15	HB2	E2	Booral Rd, Urangan - Beck Rd and Don Adams Dr	F	Water Quality	Water Main	150	737	\$ 156
2022 Total											\$ 1,531
2023	CAPEX	W86	HB1	E3	Esplanade, Urangan - Swiss Ct to just past Miller St + 150 connections to Tannen and Swiss	T	Fire Flow	Water Main	200	194	\$ 95
2023	CAPEX	W74	HB3	E2	Queens Rd, Scarness - McKean Rd & Scarborough St	T	Growth	Water Main	200	71	\$ 24
2023	CAPEX	W75	HB3	E2	Freshwater St, Scarness - Queens Rd & Denman's Camp Rd	T	Growth	Water Main	200	782	\$ 262
2023	CAPEX	W76	HB1	A2	Freshwater St, Scarness - Tavistock St to Bideford St	T	Growth	Water Main	200	882	\$ 298
2023	CAPEX	W13	HB5	C3	Rosentreter Lane - Lady Penrhyn Dr to Pialba-Burrum Heads Rd	T	Growth	Water Main	250	609	\$ 200
2023	CAPEX	W25	HB5	C3	Pialba-Burrum Heads Rd - Scrub Hill rd to Drury Ln	T	Growth	Water Main	250	532	\$ 175
2023	CAPEX	W61	HB2	A1	Rasmussen Rd, Kawungan - Samarai Dr to Doolong South Rd	T	Growth	Water Main	200	970	\$ 218
2023	CAPEX	W217	HB4	C2	Nikenbah Structure Plan	T	Growth	water main	200	411	\$ 142
2023	CAPEX	W246	HB4	C2	Nikenbah Structure Plan	F	Growth	water main	150	85	\$ 24
2023	CAPEX	W252	HB4	C2	Nikenbah Structure Plan	F	Growth	water main	150	269	\$ 75
2023 Total											\$ 1,513
2024	CAPEX	WCM007	MB1	A1	Cheapside St, MBH - Sussex St to Kent St	F	Condition	Water Main	300	241	\$ 94
2024	CAPEX	W10	HB6	D4	Pursers Rd, Dundowran - Dundowran Booster PS to Lower Mountain Rd	T	Growth	Water Main	300	261	\$ 102
2024	CAPEX	W230	HB4	D2	Nikenbah Structure Plan	T	Growth	water main	200	1386	\$ 479
2024	CAPEX	W234	HB4	C2	Nikenbah Structure Plan	T	Growth	water main	200	607	\$ 136
2024	CAPEX	W267	HB1	B4	Senorita Pde, Urangan - Boundary Rd to Walker Rd	T	Growth	water main	200	1056	\$ 279
2024	CAPEX	W325	HB1	B2	Bideford St - Truro St to Esplanade	T	Water Quality	Water Main	200	190	\$ 105
2024 Total											\$ 1,195
2025	CAPEX	WCM051	MB4	C4	Queen St, MBH - Lions Drive to Jupiter St	F	Condition	Water Main	100	1402	\$ 236
2025	CAPEX	WCM075	MB4	E4	Cheapside St, MBH - Kent St to Albert St	F	Condition	Water Main	300	651	\$ 254
2025	CAPEX	WCM164	MB1	B2	Sussex St to Lennox St to Kent St, MBH.	F	Condition	Water Main	150	537	\$ 114
2025	CAPEX	W72	HB7	D3	O'Regan Ck Rd, Toogoom - Yram Pl to Road 681	F	Fire Flow	Water Main	150	1935	\$ 410
2025	CAPEX	W77	HB1	D2	Margaret Street, Urangan - Cypress t & Dayman St	F	Fire Flow	Water Main	150	728	\$ 154
2025	CAPEX	W104	HB3	E3	41 Oleander Avenue, Kawungan	F	Growth	Water PRV	150		\$ 30
2025	CAPEX	W106	HB3	C1	Cnr Hythe St & Esplanade, Pt Vernon	F	Growth	Water PRV	150		\$ 30
2025	CAPEX	W108	HB1	A4	Cnr Bideford St & Boundary, Torquay	T	Growth	Water PRV	200		\$ 30
2025	CAPEX	WCM161	MB3	C5	Sydney St, MBH - Ariadne St to Sydney St 100mm main	F	Growth	Water Main	150	123	\$ 26
2025	CAPEX	WCM162	MB3	D4	Ariadne St - Booker St West, MBH - Sydney St to Saltwater Cr.	F	Growth	Water Main	150	682	\$ 145
2025	CAPEX	W203	HB4	B1	Urraween Rd, Urraween - Janes Rd to halfway to Scrub Hill Road to Blaxland Rd	F	Growth	water main	150	501	\$ 106
2025	CAPEX	W88	HB5	C3	Drury Lane - Cnr Pialba Burrum Heads Rd & Rosentreter Ln	T	Growth	Water Main	250	19	\$ 6
2025	CAPEX	W701	HB10	B4	River Heads Rd Reservoir to Rd 549	F	Growth	Water Main	250	1777	\$ 631
2025	CAPEX	WCM163	MB5	D3	Woongool Rd, Tinana - Walker Ave to Sprinvale Rd.	T	Growth	Water Main	250	1005	\$ 281
2025 Total											\$ 2,453
2026	CAPEX	W105	HB4	A1	Urraween Rd, Urraween - connection into W2000 250mm	T	Growth	Water PRV	200		\$ 35
2026	CAPEX	WCM158	MB5	E2	Ann Street Pumpstation upgrade	T	Growth	Water Pumpstation			\$ 222
2026	CAPEX	W180	HB2	A2	Bayridge to Parklands - Sandy View Dr to Doolong Sth RD	T	Growth	Water Main	300	2525	\$ 1,451

APPENDIX 1 – CAPITAL WORKS PROGRAM

Year Required	Budget	Strategy ID	Map ID	Coordinates	Description	Headworks	Driver	Type	Diameter (mm)	Length (m)	Cost (000's)
2026	CAPEX	W311	HB4	E3	Samuari Drv to Sandy View Drv, Kawungan	T	Growth	Water Main	300	324	\$ 186
2026	CAPEX	W912	HB4	C2	Christensen St, Urraween - Hanover Dr to Jacobsen Outlook	T	Growth	water main	250	1419	\$ 686
2026	CAPEX	W214	HB4	C2	Nikenbah Structure Plan	T	Growth	water main	300	655	\$ 335
2026	CAPEX	W215	HB4	D2	Nikenbah Structure Plan	T	Growth	water main	300	195	\$ 100
2026	CAPEX	W233	HB4	E2	Nikenbah Structure Plan	F	Growth	water main	150	194	\$ 54
2026	CAPEX	W219	HB4	C2	Madsen Rd, Nikenbah Structure Plan	T	Growth	water main	250	423	\$ 182
2026	CAPEX	W251	HB4	D2	Nikenbah Structure Plan	T	Growth	water main	250	308	\$ 133
2026	CAPEX	W911	HB4	E3	Talasea Dr to Sandy View Dr, Kawungan	T	Growth	water main	150	324	\$ 101
2026	CAPEX	W250	HB4	E3	Nikenbah Structure Plan	F	Growth	water main	150	169	\$ 53
2026	CAPEX	W284	HB8	B1	Toogoom Res 1.5Ml	T	Growth	Reservoir			\$ 800
2026 Total											\$ 4,338
2027	CAPEX	W8	HB2	B1	Gilston Rd, Wondunna - Doolong Rd to existing mains on Gilston Rd.	F	Fire Flow	Water Main	150	563	\$ 119
2027	CAPEX	W310	MB1	C3	Puller St, Granville - Hoffman to Cardigan St	T	Growth	water main	300	472	\$ 185
2027	CAPEX	W905	HB8	B3	Construction of Burgowan WTP	T	Growth	Treatment			\$ 30,000
2027	CAPEX	W6	HB5	D2	Ibis Blvd, Pt vernon - Martin St to ibis Blvd	F	Growth	Water Main	150	519	\$ 140
2027	CAPEX	WCM165	MB5	C3	Mellaleuca Close, Tinana - Gympie Rd to Mellaleuca Cl.	F	Growth	Water Main	150	229	\$ 49
2027	CAPEX	WCM166	MB5	E5	Yangoora Av, Tinana. - lindah Rd to Madison Way	F	Growth	Water Main	150	1604	\$ 289
2027	CAPEX	WCM169	MB5	C2	O'Connor Rd, Tinana.- Eatonvale Rd to Central Rd	F	Growth	Water Main	150	522	\$ 94
2027	CAPEX	W268	HB9	D3	Burrum River Rd, Torbanlea - Old Bruce Hwy to Kent Pde	F	Growth	Water Main	200	1128	\$ 298
2027	CAPEX	WCM170	HB9	B2	James St, MBH - Agnes St to Annie St	F	Growth	Water Main	200	166	\$ 44
2027	CAPEX	WCM171	MB1	D2	Banana St, Granville - Cardigan St to Odessa St	F	Growth	Water Main	300	423	\$ 166
2027	CAPEX	WCM177	MB3	D4	Bongoola Rd, MBH - Neptune St to Saltwater Creek Rd	F	Growth	Water Main	150	493	\$ 89
2027	CAPEX	WCM185	MB1	C3	Kent St, from Tiger St to Ajax St. Maryborough CBD	T	Growth	Water Main	300	856	\$ 335
2027	CAPEX	WCM186	MB1	C3	Ajax St, Granville - Bridge river crossing	T	Reliability	Water Main	300	427	\$ 1,080
2027	CAPEX	W5	HB5	D1	Martin St, Pt Vernon - Murphy St to Esplanade	F	SOS	Water Main	150	1353	\$ 364
2027 Total											\$ 33,252
2028	CAPEX	WCM167	MB3	B4	Bryant St, St Helens - Bryant St to Bongoola Rd	F	Growth	Water Main	150	726	\$ 131
2028	CAPEX	WCM168	MB3	C3	Bongoola Rd, St Helens - Airport Boundary to Neptune St.	F	Growth	Water Main	150	995	\$ 179
2028	CAPEX	WCM172	MB5	E4	Lindah Rd E, Tinana.- Madison Way to Nerada Rd	T	Growth	Water Main	200	493	\$ 130
2028	CAPEX	WCM175	MB5	B1	Eatonvale Rd, Tinana - O'Conner Rd and Rosehill Rd	T	Growth	Water Main	200	1181	\$ 265
2028	CAPEX	WCM176	MB5	C2	Eatonvale Rd, Tinana - OConnell Rd to Gympie Rd	T	Growth	Water Main	200	971	\$ 256
2028	CAPEX	WCM193	MB3	D2	Saltwater Creek Rd, St Helens - Fazio St & Janet Rd	T	Growth	Water Main	200	2194	\$ 492
2028 Total											\$ 1,453
2029	CAPEX	WCM179	MB1	D2	Cardigan St, Granville - Cambridge St to Range St	T	Growth	Water Main	300	1434	\$ 561
2029	CAPEX	WCM180	MB3	B5	Aberdeen RES outlet main	T	Growth	Water Main	250	50	\$ 16
2029	CAPEX	WCM189	MB3	D2	Gladys St, St Helens - Lawson St to Saltwater Creek Rd	F	Growth	Water Main	150	208	\$ 37
2029 Total											\$ 614
2030	CAPEX	WCM173	MB2	D4	Beaver Rock Rd, Granville. - Future Harbour to Walkers Pt Rd.	T	Growth	Water Main	200	2055	\$ 461
2030	CAPEX	WCM174	MB1	D2	Range St, Granville - Cardigan St to Kinghorn Rd.	T	Growth	Water Main	300	1230	\$ 481
2030	CAPEX	WCM178	MB1	E1	Walkers Pt Rd, Granville - Range St to Beaver Rock Rd.	T	Growth	Water Main	250	3375	\$ 944
2030	CAPEX	W9	HB8	E3	Hornes Rd, Takura - Torbanlea -Pialba Rd to Road 587	T	Growth	Water Main	375	2642	\$ 1,812
2030	CAPEX	WCM181	MB1	D2	Walkers pt Rd, Granville. - Banana St to Range St.	T	Growth	Water Main	300	830	\$ 325
2030	CAPEX	WCM182	MB1	D3	Hoffman St, Ganville - Puller St to Cambridge St.	T	Growth	Water Main	300	232	\$ 91

APPENDIX 1 – CAPITAL WORKS PROGRAM

Year Required	Budget	Strategy ID	Map ID	Coordinates	Description	Headworks	Driver	Type	Diameter (mm)	Length (m)	Cost (000's)
2030	CAPEX	WCM183	MB1	D2	Range St, Granville - Walkers Pt Rd to Cardigan St	T	Growth	Water Main	300	373	\$ 146
2030	CAPEX	WCM184	MB3	B5	Aberdeen Av, MBD West - Neptune St to Reservoir	T	Growth	Water Main	300	262	\$ 102
2030 Total											\$ 4,362
2031	CAPEX	WCM187	TED1	C1	2 Mile Reservoir, Teddington - Reinstatement	T	Growth	Reservoir			\$ 591
2031	CAPEX	W84	HB1	C4	Boundary Rd, Wondunna - Denman's Camp Rd to Elizabeth St	T	Growth	Water Main	600	2928	\$ 3,929
2031	CAPEX	W103	HB10	B3	Woongoolbver Ct, River Heads - Cul-de-sac end	F	Growth	Water PRV	150		\$ 30
2031	CAPEX	W207	HB4	E2	Ghost Hill 1 Reservoir	F	Growth	Reservoir			\$ 3,062
2031	CAPEX	W209	HB4	E2	GH1 pump station upgrade	T	Growth	Water Pumpstation			\$ 187
2031	CAPEX	W294	HB4	C1	Madsen Rd, Urraween pumpstation upgrade	T	Growth	Water Pumpstation			\$ 700
2031 Total											\$ 8,499
2032	CAPEX	W3	HB3	A3	Conservation Drive - Pantlins Ln to Harmony Av	F	Fire Flow	Water Main	150	458	\$ 97
2032	CAPEX	W1	HB10	B3	Tremon Rd, River Heads - Tremon RD to Road 549	F	Growth	Water Main	150	1727	\$ 311
2032	CAPEX	W2	HB10	B3	Road 549 River Heads. - River Heasds Rd to new Tremor Rd main	F	Growth	Water Main	150	459	\$ 83
2032	CAPEX	WCM188	MB3	D1	Effluent Rd to lawson St to Hibiscus, St Helens	F	Growth	Water Main	150	1575	\$ 284
2032	CAPEX	WCM190	MB3	D3	Lawson St, St Helens - Quarry Rd to Fazio Rd	F	Growth	Water Main	150	170	\$ 31
2032	CAPEX	WCM191	MB3	C3	West between Bongoola Rd and Quarry St, St Helens	F	Growth	Water Main	150	987	\$ 178
2032	CAPEX	WCM192	MB3	C3	Central between Bongoola Rd and Quarry St Helens	F	Growth	Water Main	150	1502	\$ 271
2032	CAPEX	W160	MB3	D1	Hibiscus Rd to the top of Lawson St. St Helens	F	Growth	Water Main	150	951	\$ 171
2032	CAPEX	W4	HB1	E3	Edwin St, Urangan - Pulgul St to Esplanade, connection into Crescent St	F	Growth	Water Main	150	479	\$ 102
2032 Total											\$ 1,528
2033	CAPEX	W50	HB5	B3	Eli Waters Structure Plan - Griinsteads Rd to Greensill Rd	T	Growth	Water Main	375	2666	\$ 2,388
2033	CAPEX	W224	HB4	B2	Nikenbah Structure Plan	T	Growth	water main	200	526	\$ 118
2033 Total											\$ 2,506
2034	CAPEX	W54	HB5	A2	Eli Waters Structure Plan - Greensill Rd	T	Growth	Water Main	300	1326	\$ 575
2034	CAPEX	WCM194	MB3	D2	Neptune St, St Helens - follows onto Lawson Rd	T	Growth	Water Main	375	3709	\$ 2,544
2034 Total											\$ 3,119
2035	CAPEX	W181	HB8	B3	Burgowan pumpstation to Takura RES0729 trunk	T	Growth	Water Main	600	527	\$ 566
2035 Total											\$ 566
2036	CAPEX	W55	HB5	A2	Eli Waters Structure Plan - Greensill Rd Loop	T	Growth	Water Main	200	1414	\$ 414
2036	CAPEX	W56	HB5	B2	Eli Waters Structure Plan - East of Greensill Rd Loop	T	Growth	Water Main	200	1798	\$ 527
2036	CAPEX	W96	HB2	E4	River Heads Road, Booral Booster pumpstation (provisional)	T	Growth	Water Pumpstation	250		\$ 86
2036	CAPEX	W208	HB4	C1	Nikenbah Structure Plan - Railway Line, Nikenbah to Julie-Ann St, Urraween.	F	Growth	water main	150	2661	\$ 564
2036	CAPEX	W231	HB4	E3	Nikenbah Structure Plan - Road 773 to Road 480	F	Growth	water main	150	1758	\$ 488
2036	CAPEX	W254	HB4	C1	5 Morgan Cct, Urraween	F	Growth	Boundary Valve	150		\$ 10
2036	CAPEX	W248	HB4	D3	Nikenbah Structure Plan	T	Growth	water main	200	1030	\$ 231
2036	CAPEX	WCM195	MB1	D3	14 Cambridge St, Granville - Cnr Matthew Pde and Cambridge St	T	SOS	Water Pumpstation			\$ 125
2036	CAPEX	WCM196	MB1	D3	Cambridge St, Granville - pipeworks for pumpstation	T	SOS	water main	150	321	\$ 68
2036 Total											\$ 2,513
2037	CAPEX	W183	HB8	B1	Toogoom Booster Pumpstation rising main	T	Growth	Water Main	200	2435	\$ 842
2037	CAPEX	W185	HB8	B2	From 600mm Burgowan to Toogoom Bush PS (150mm)	T	Growth	Water Main	200	2420	\$ 837
2037 Total											\$ 1,679
2038	CAPEX	W58	HB5	A2	Eli Waters Structure Plan - Semphs Rd to Greensill Rd	T	Growth	Water Main	250	1122	\$ 410
2038	CAPEX	W210	HB4	E2	Main Street, Nikenbah Structure Plan	F	Growth	water main	375	555	\$ 587

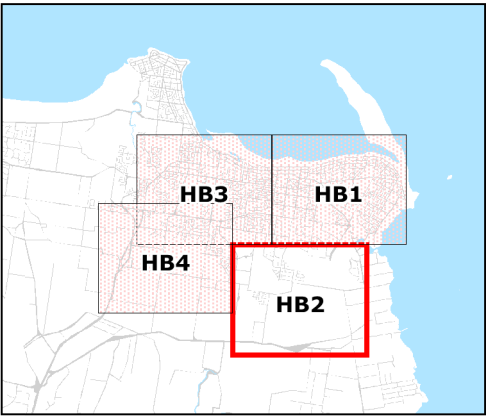
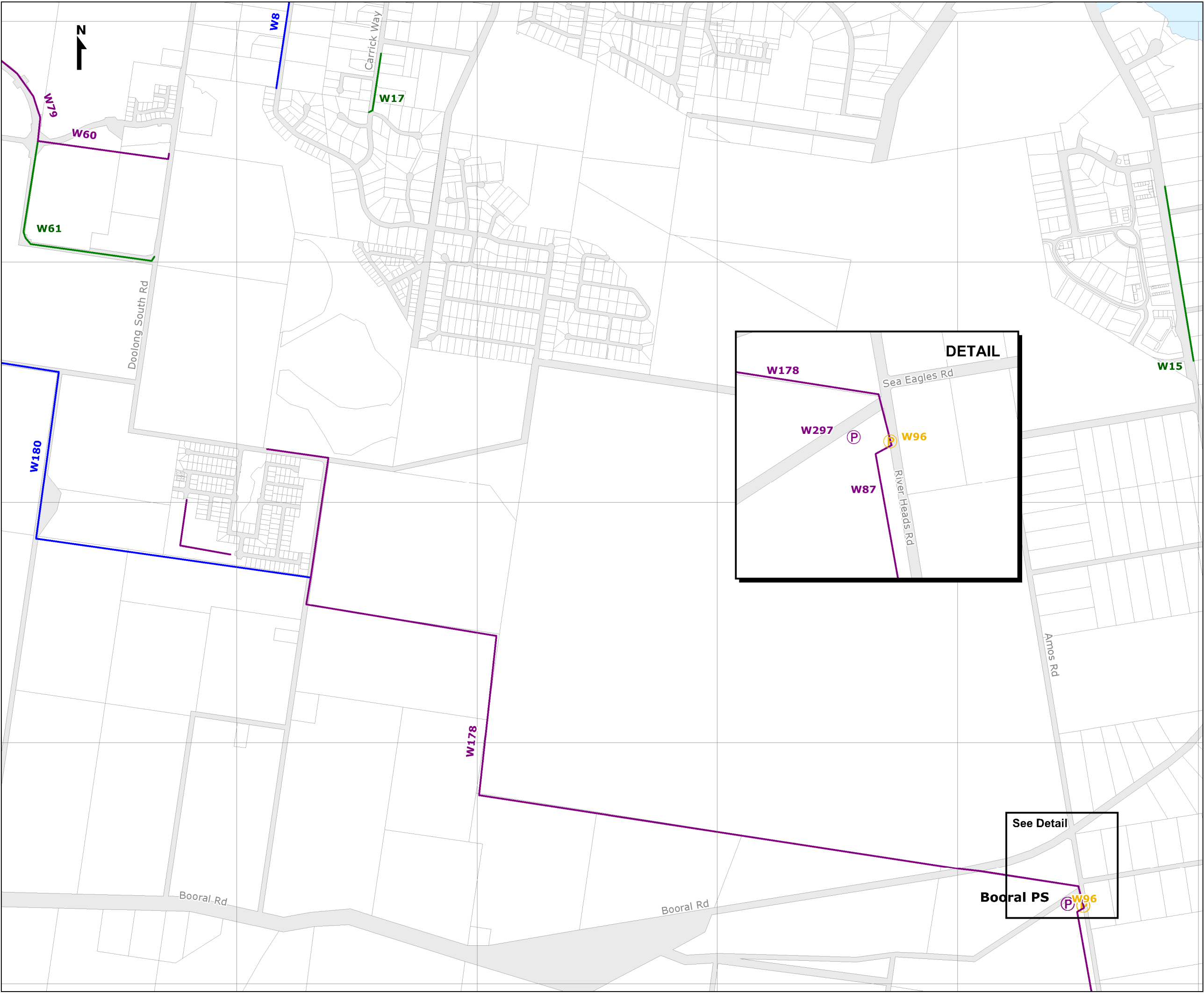
APPENDIX 1 – CAPITAL WORKS PROGRAM

Year Required	Budget	Strategy ID	Map ID	Coordinates	Description	Headworks	Driver	Type	Diameter (mm)	Length (m)	Cost (000's)
2038	CAPEX	W238	HB4	D2	Nikenbah Structure Plan	T	Growth	water main	300	1128	\$ 578
2038	CAPEX	W260	HB4	D2	Regency AV to Christensen St to Andersen Av, Urraween.	T	Growth	water main	200	1177	\$ 407
2038 Total											\$ 1,982
2041	CAPEX	W211	HB4	D2	Nikenbah Structure Plan	F	Growth	water main	250	748	\$ 322
2041	CAPEX	W212	HB4	D3	Main Street, Nikenbah Structure Plan	F	Growth	water main	300	1857	\$ 617
2041	CAPEX	W213	HB4	D3	Main Street, Nikenbah Structure Plan	F	Growth	water main	200	1229	\$ 276
2041	CAPEX	W229	HB4	C2	Nikenbah Structure Plan	F	Growth	water main	150	464	\$ 129
2041	CAPEX	W240	HB4	D2	Nikenbah Structure Plan	F	Growth	water main	150	381	\$ 106
2041	CAPEX	W242	HB4	B2	Nikenbah Structure Plan	F	Growth	water main	150	1076	\$ 194
2041	CAPEX	W253	HB4	C2	Nikenbah Structure Plan	T	Growth	water main	200	637	\$ 247
2041	CAPEX	W262	HB4	D3	Nikenbah Structure Plan	F	Growth	Boundary Valve	150		\$ 10
2041	CAPEX	W283	HB10	A1	River Hds: New Reservoir	T	Growth	Reservoir			\$ 3,062
2041 Total											\$ 4,963
2046	CAPEX	W218	HB4	B2	Nikenbah Structure Plan	T	Growth	water main	250	688	\$ 297
2046	CAPEX	W222	HB4	C3	Madsen, Nikenbah Structure Plan	T	Growth	water main	200	479	\$ 107
2046	CAPEX	W223	HB4	C3	Chapel Rd, Nikenbah Structure Plan	T	Growth	water main	300	1515	\$ 504
2046	CAPEX	W226	HB4	B3	Nikenbah Structure Plan	T	Growth	water main	200	597	\$ 158
2046	CAPEX	W227	HB4	C3	Chapel Rd, Nikenbah Structure Plan	F	Growth	water main	150	2470	\$ 524
2046	CAPEX	W228	HB4	B2	Nikenbah Structure Plan	F	Growth	water main	150	559	\$ 119
2046	CAPEX	W244	HB4	B2	Nikenbah Structure Plan	F	Growth	water main	150	142	\$ 26
2046	CAPEX	W245	HB4	C3	Nikenbah Structure Plan	T	Growth	water main	200	125	\$ 43
2046	CAPEX	W247	HB4	B1	Nikenbah Structure Plan	T	Growth	water main	300	1377	\$ 539
2046	CAPEX	W255	HB4	B1	Cooks Rd.	T	Growth	water main	450	525	\$ 502
2046	CAPEX	W257	HB4	C3	Nikenbah Structure Plan	T	Growth	Boundary Valve	200		\$ 10
2046	CAPEX	W259	HB4	B2	Nikenbah Structure Plan	F	Growth	Boundary Valve	150		\$ 10
2046	CAPEX	W287	HB9	ALL	Burnett River Source	T	Growth	Source			\$ 90,343
2046 Total											\$ 93,182
2016	OPEX	W916			Investigate Losses in Maryborough and Tiaro	F	Efficiency	water main			\$ 5
2016	OPEX	W917			Planning Report - Urraween water supply concept	F	Efficiency	water main			\$ 60
2016	OPEX	W918			Investigate viability of reduced fire fighting requirements	F	Efficiency	water main			\$ 5
2016	OPEX	W288			Investigate The Burgowan Clear Water Pump Performance	F	Efficiency	Treatment			\$ 10
2016	OPEX	W933			Investigate the viability of a new reservoir at Booral	F	SOS	Reservoir			\$ 15
2016	OPEX	W918			Investigate Disinfection works at Burgowan WTP Gas vs liquid	F	Water Quality	Treatment			\$ 15
2016	OPEX	W934			Investigate and Recommend Chlorine Dosing over Summer Periods	F	Water Quality	Treatment			\$ 25
2016	OPEX	W293			Investigation Tiaro WTP - Options study for reucing hardness of source water	F	Water Quality	Treatment			\$ 20
2016	OPEX	W935			Planning Report - NOM/DOC removal assessment of Options	F	Water Quality	Treatment			\$ 50
2016 Total											\$ 205
2017	OPEX	W922			Investigate viability of decommissioning Howard WTP	F	Efficiency	water main			\$ 100
2017	OPEX	W920			Planning Report - River Heads water supply concept	F	Efficiency	water main			\$ 60
2017	OPEX	W921			Planning Report - Maryborough water supply concept	F	Efficiency	water main			\$ 60
2017	OPEX	W923			Investigate DMA's for fire fighting and security of supply	F	Fire Flow	DMA			\$ 10
2017	OPEX	W924			Planning Report - River Heads reservoir options	F	Growth	Reservoir			\$ 30
2017	OPEX	W925			investigate THM removal at Tinana zone	F	Water Quality	Treatment			\$ 15

APPENDIX 1 – CAPITAL WORKS PROGRAM

Year Required	Budget	Strategy ID	Map ID	Coordinates	Description	Headworks	Driver	Type	Diameter (mm)	Length (m)	Cost (000's)
2017 Total											\$ 275
2018	OPEX	W927			Investigate future water sources & viability of Fraser Island	F	Efficiency	water main			\$ 95
2018	OPEX	W928			Investigate Demand magement initiatives for the Faser Coast	F	Efficiency	water main			\$ 60
2018	OPEX	W929			Tiaro - Investigate water Quality improvements - Alkalinity	F	Water Quality	Treatment			\$ 25
2018 Total											\$ 180
2019	OPEX	W931			Planning Report - Takura water supply concept	F	Efficiency	water main			\$ 60
2019	OPEX	W932			Planning Report - DMA improvements	F	Efficiency	DMA			\$ 20
2019 Total											\$ 80
2023	OPEX	W905			Planning report for Expansion of Burgowan WTP	F	Growth	Treatment			\$ 200
2023 Total											\$ 200

APPENDIX 2 – WATER INFRASTRUCTURE PLANS



Legend

2016 Infrastructure

- Water Pumpstation
- Water Reservoir
- Water PRV
- Water Treatment Plant
- Water Main
- Collection

2021 Infrastructure

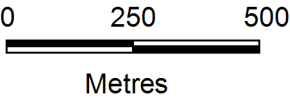
- Water Pumpstation
- Water PRV
- Boundary Valve/PRV
- Water Main

2026 Infrastructure

- Water Pumpstation
- Water Reservoir
- Water PRV
- Water Treatment Plant
- Water Main

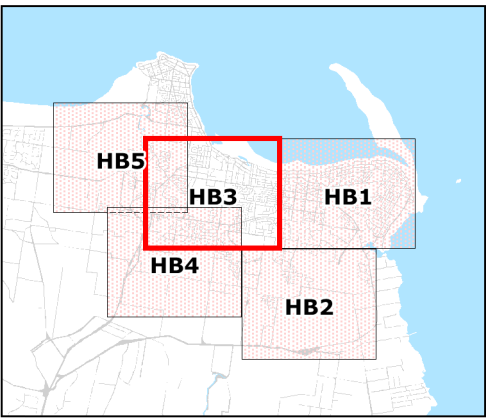
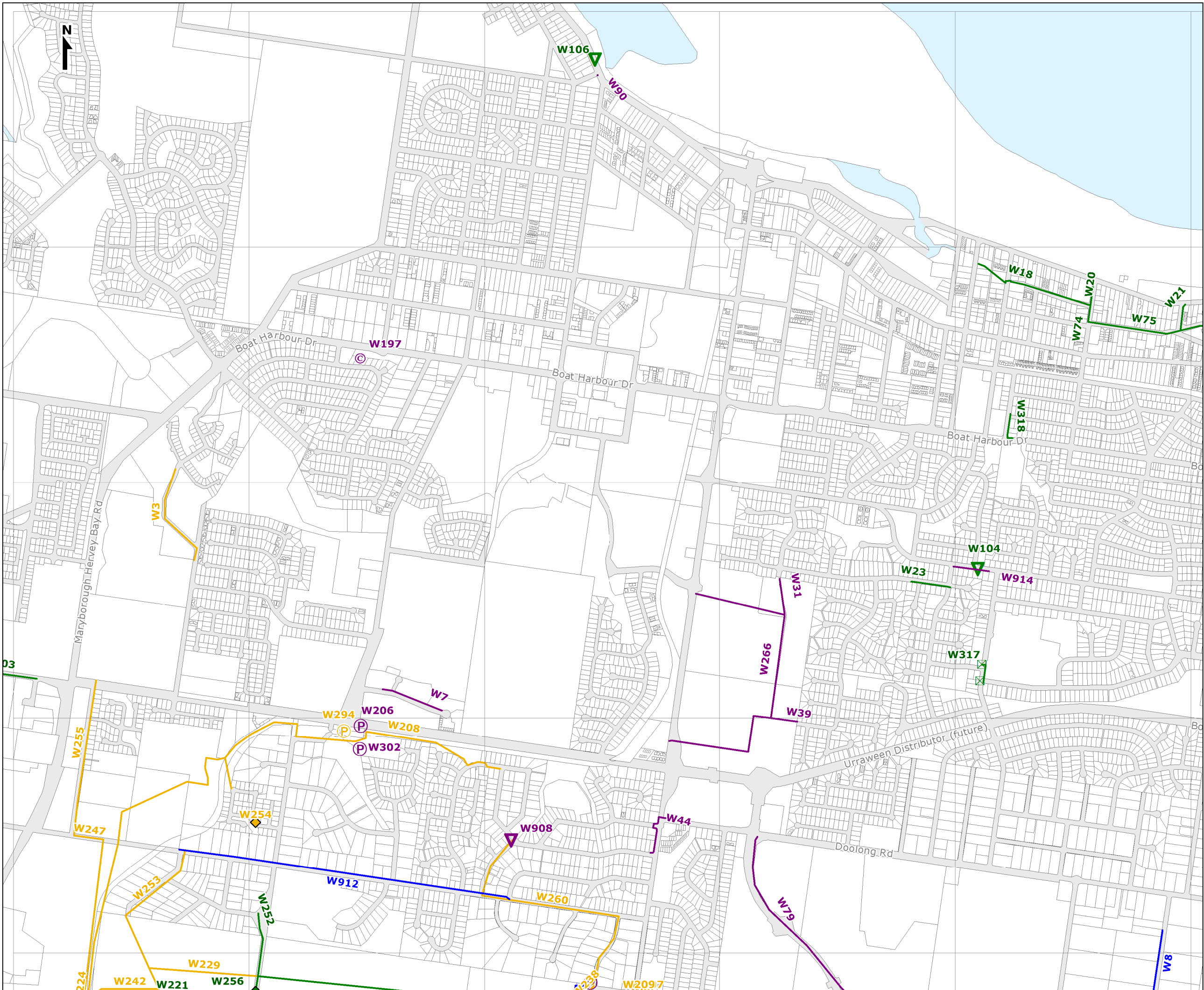
Post 2030 Infrastructure

- Water Pumpstation
- Water Reservoir
- Water RPV
- Boundary Valve
- Line



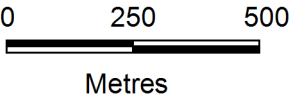
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Map HB2



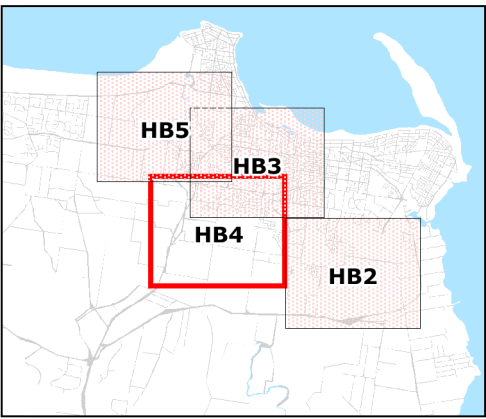
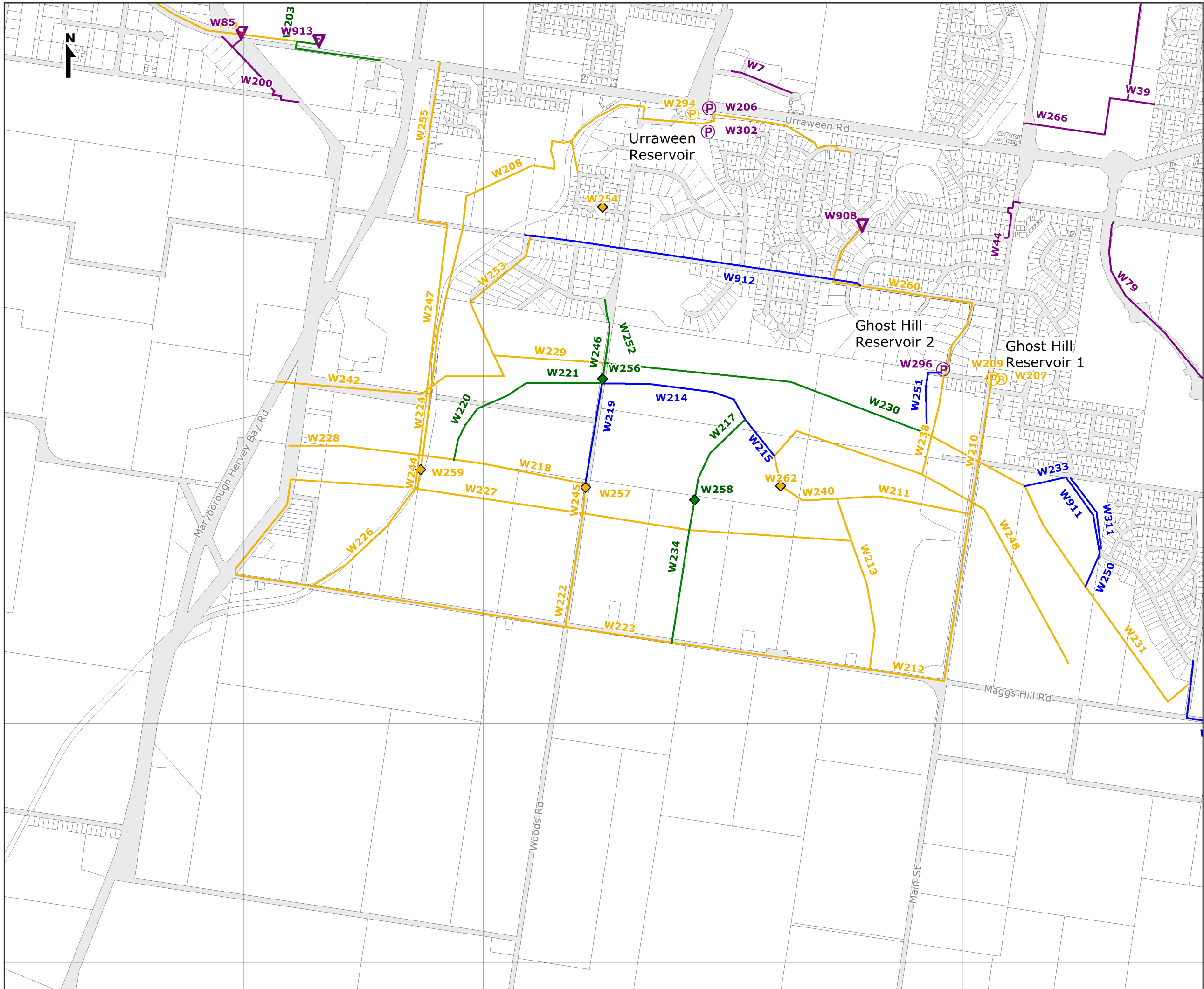
Legend

- 2016 Infrastructure**
 - Water Pumpstation
 - Water Reservoir
 - Water PRV
 - Water Treatment Plant
 - Water Main
- 2021 Infrastructure**
 - Water Pumpstation
 - Water PRV
 - Boundary Valve/PRV
 - Water Main
- 2026 Infrastructure**
 - Water Pumpstation
 - Water Reservoir
 - Water PRV
 - Water Treatment Plant
 - Water Main
- Post 2030 Infrastructure**
 - Water Pumpstation
 - Water Reservoir
 - Water PRV
 - Boundary Valve
 - Water Main



Scale: 1:15,000

Map HB3



Legend

2016 Infrastructure

- Water Pumpstation
- Water PRV
- Water Treatment Plant
- Water Main

2021 Infrastructure

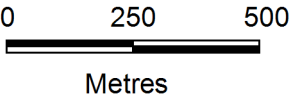
- Water Pumpstation
- Water PRV
- Boundary Valve/PRV
- Water Main

2026 Infrastructure

- Water Pumpstation
- Water Reservoir
- Water PRV
- Water Treatment Plant
- Water Main

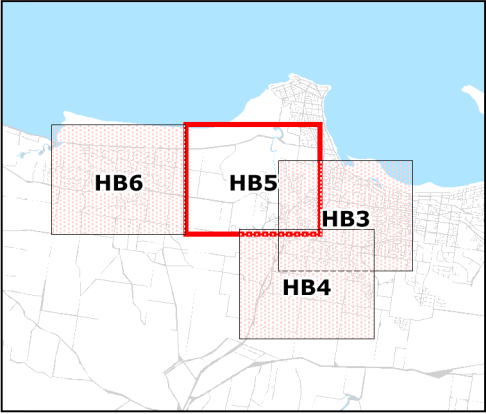
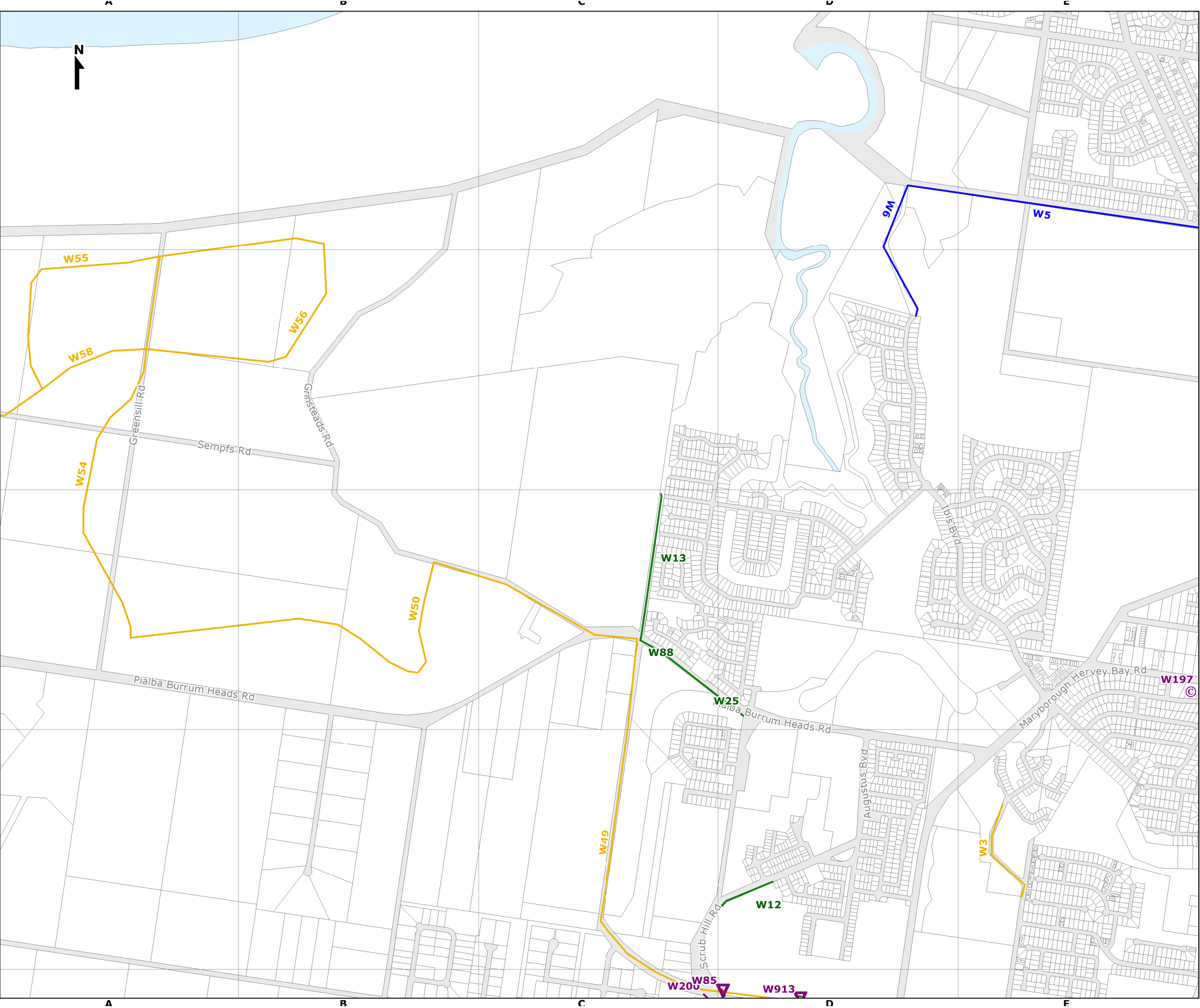
Post 2030 Infrastructure

- Water Pumpstation
- Water Reservoir
- Water PRV
- Boundary Valve
- Water Main



Scale: 1:15,000

Map HB4



Legend

2016 Infrastructure

- Water Pumpstation
- Water Reservoir
- Water PRV
- Water Treatment Plant
- Water Main

2021 Infrastructure

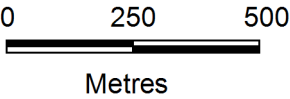
- Water Pumpstation
- Water PRV
- Boundary Valve/PRV
- Water Main

2026 Infrastructure

- Water Pumpstation
- Water Reservoir
- Water PRV
- Water Treatment Plant
- Water Main

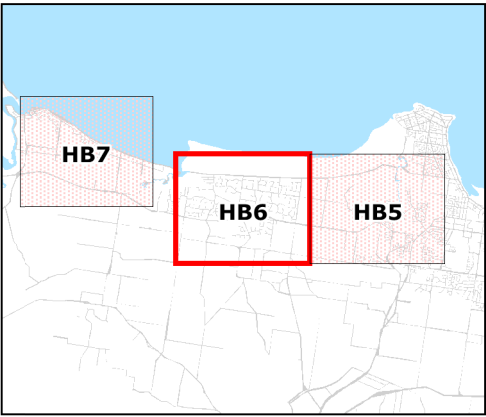
Post 2030 Infrastructure

- Water Pumpstation
- Water Reservoir
- Water PRV
- Boundary Valve
- Water Main



Scale: 1:15,000

Map HB5



Legend

2016 Infrastructure

- Water Pumpstation
- Water Reservoir
- Water PRV
- Water Treatment Plant
- Water Main

2021 Infrastructure

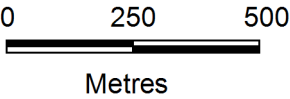
- Water Pumpstation
- Water PRV
- Boundary Valve/PRV
- Water Main

2026 Infrastructure

- Water Pumpstation
- Water Reservoir
- Water PRV
- Water Treatment Plant
- Water Main

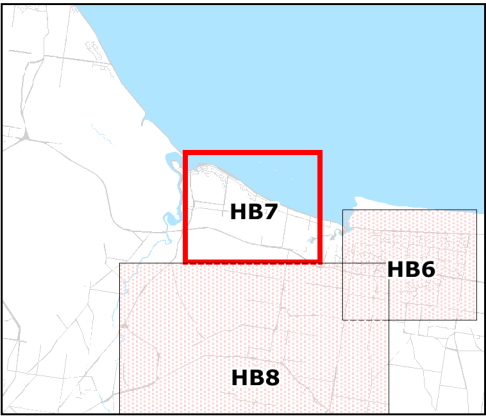
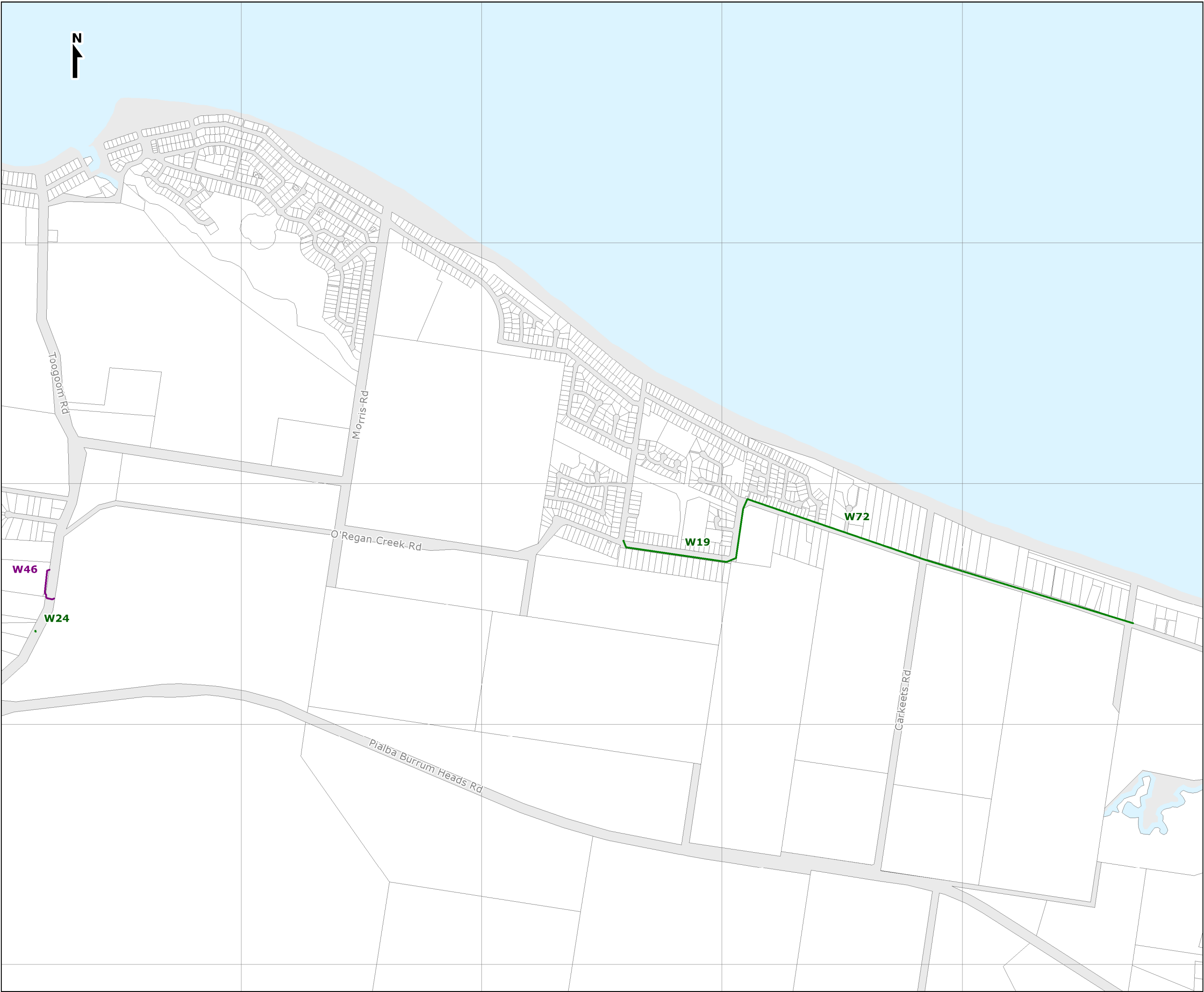
Post 2030 Infrastructure

- Water Pumpstation
- Water Reservoir
- Water PRV
- Boundary Valve
- Water Main



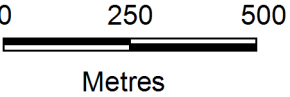
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Map HB6



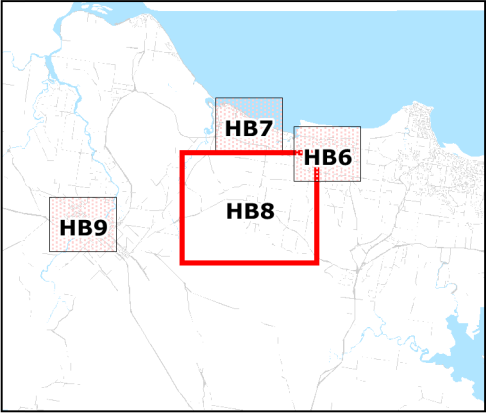
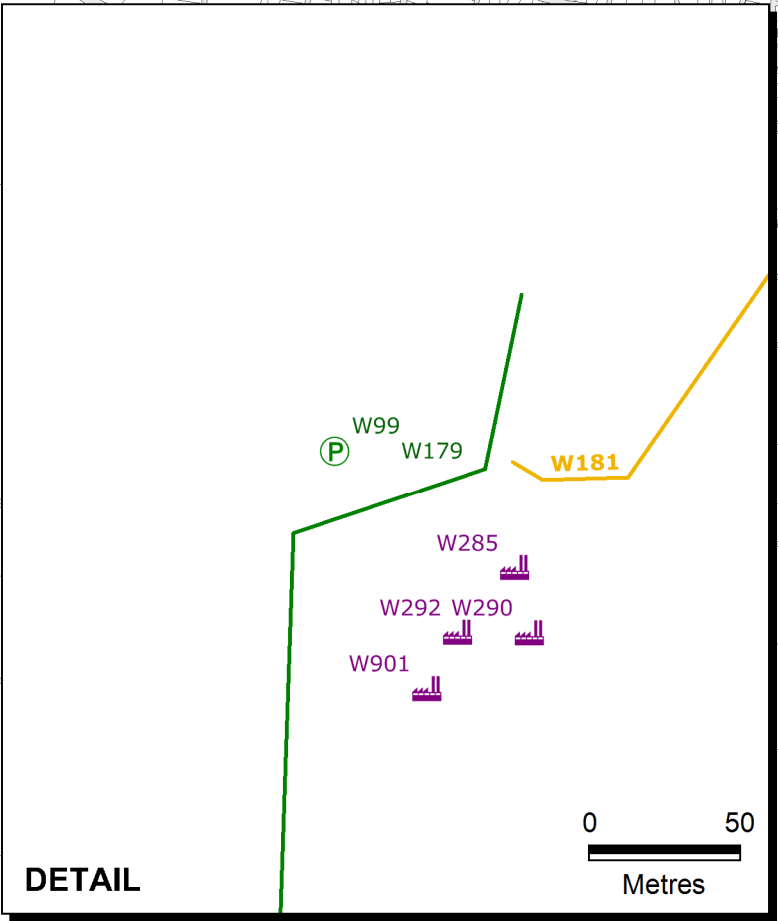
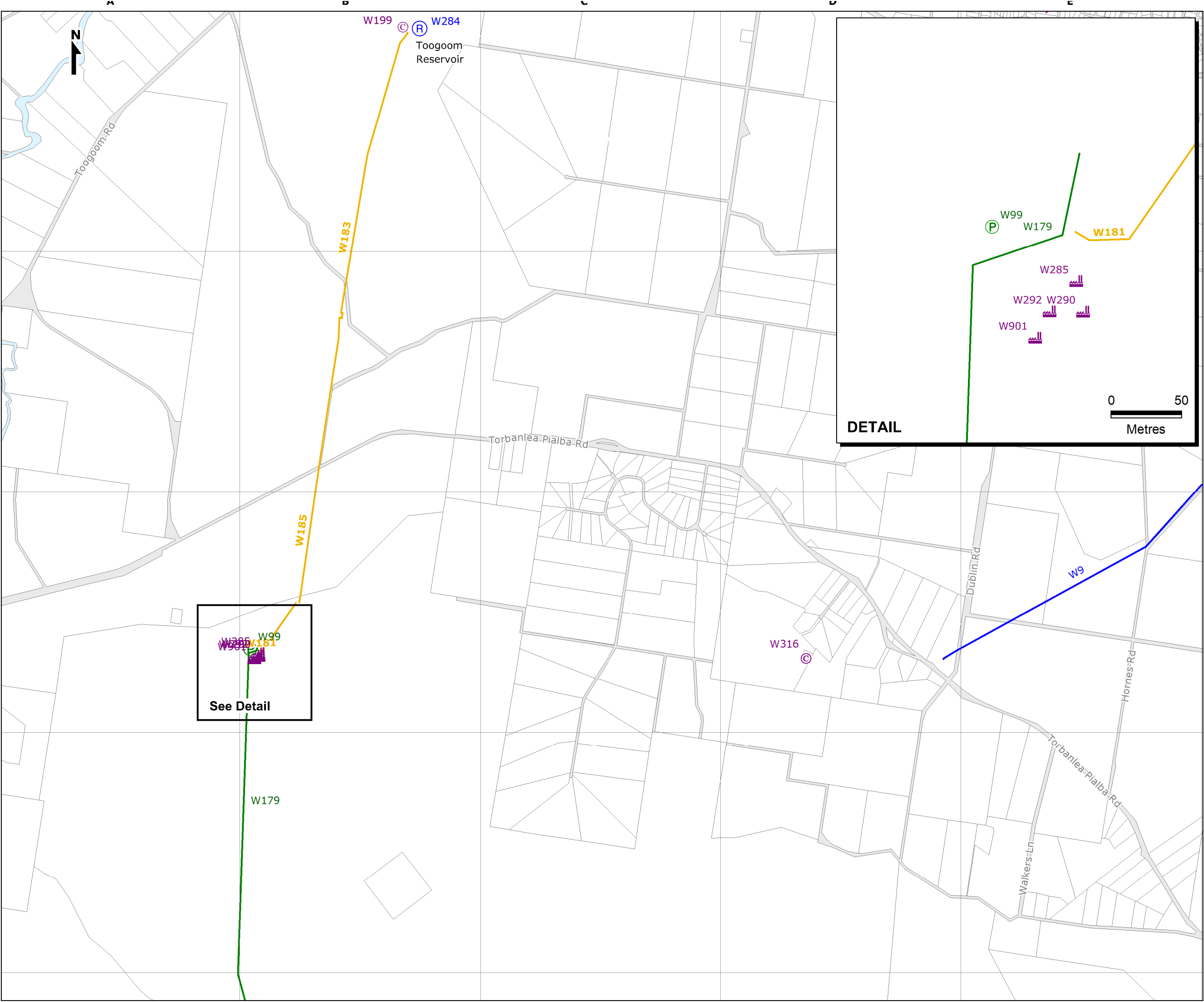
Legend

- 2016 Infrastructure**
 - Water Pumpstation
 - Water Reservoir
 - Water PRV
 - Water Treatment Plant
 - Water Main
- 2021 Infrastructure**
 - Water Pumpstation
 - Water PRV
 - Boundary Valve/PRV
 - Water Main
- 2026 Infrastructure**
 - Water Pumpstation
 - Water Reservoir
 - Water PRV
 - Water Treatment Plant
 - Water Main
- Post 2030 Infrastructure**
 - Water Pumpstation
 - Water Reservoir
 - Water PRV
 - Boundary Valve
 - Water Main



Scale: 1:15,000

Map HB7

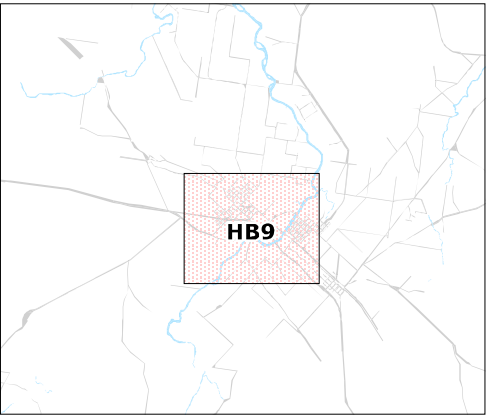
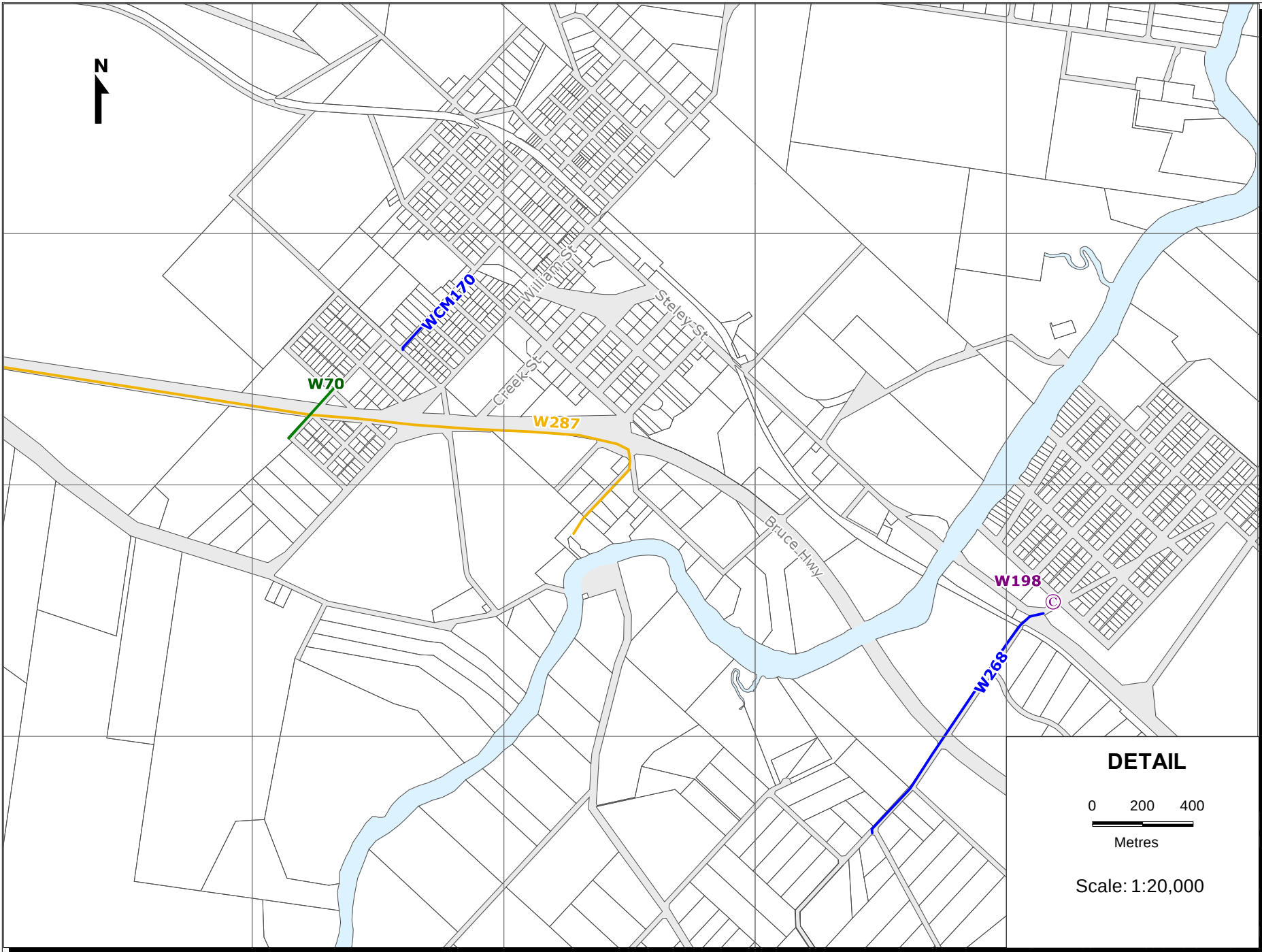


- Legend**
- 2016 Infrastructure**
- Water Pumpstation
 - Water Reservoir
 - Water PRV
 - Water Treatment Plant
 - Water Main
- 2021 Infrastructure**
- Water PRV
 - Boundary Valve/PRV
 - Water Pumpstation
 - Water Main
- 2026 Infrastructure**
- Water Pumpstation
 - Water Reservoir
 - Water PRV
 - Water Treatment Plant
 - Water Main
- Post 2030 Infrastructure**
- Water Pumpstation
 - Water Reservoir
 - Water PRV
 - Boundary Valve
 - Water Main

0 500 1000
Metres

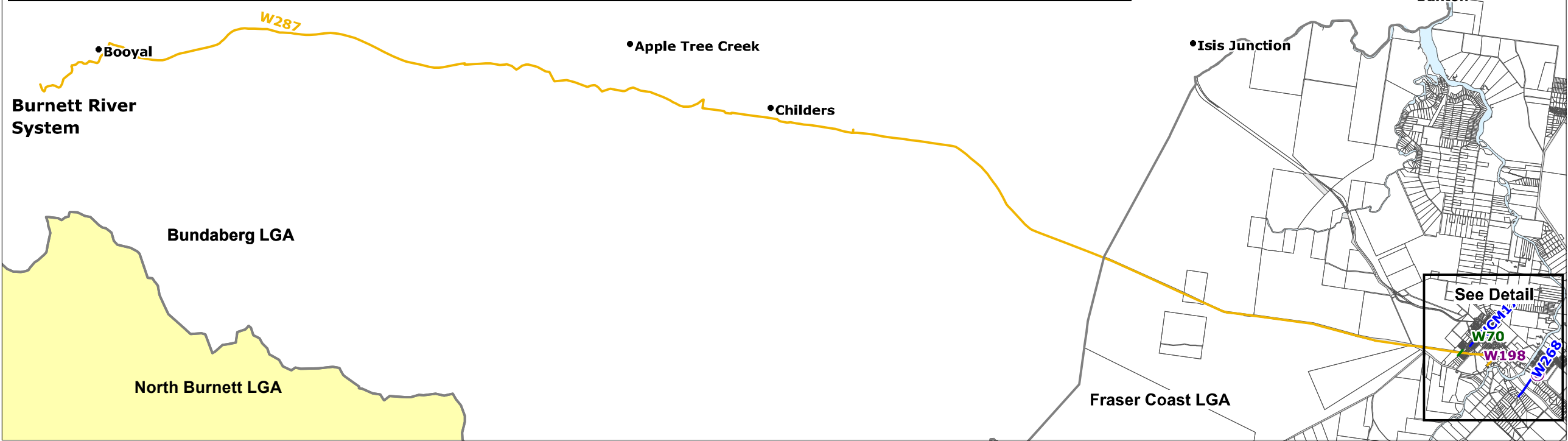
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Map HB8



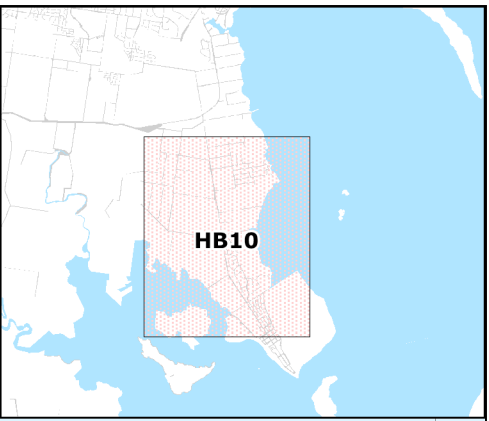
Legend

- 2016 Infrastructure**
- Water Pumpstation
 - Water Reservoir
 - Water PRV
 - Water Treatment Plant
 - Water Main
- 2021 Infrastructure**
- Water Pumpstation
 - Water PRV
 - Boundary Valve/PRV
 - Water Main
- 2026 Infrastructure**
- Water Pumpstation
 - Water Reservoir
 - Water PRV
 - Water Treatment Plant
 - Water Main
- Post 2030 Infrastructure**
- Water Pumpstation
 - Water Reservoir
 - Water PRV
 - Boundary Valve
 - Water Main



Scale: 1:175,000

Map HB9



Legend

2016 Infrastructure

- Water Pumpstation
- Water Reservoir
- Water PRV
- Water Treatment Plant
- Water Main

2021 Infrastructure

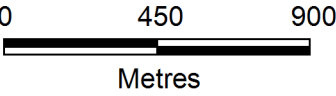
- Water Pumpstation
- Water PRV
- Boundary Valve/PRV
- Water Main

2026 Infrastructure

- Water Pumpstation
- Water Reservoir
- Water PRV
- Water Treatment Plant
- Water Main

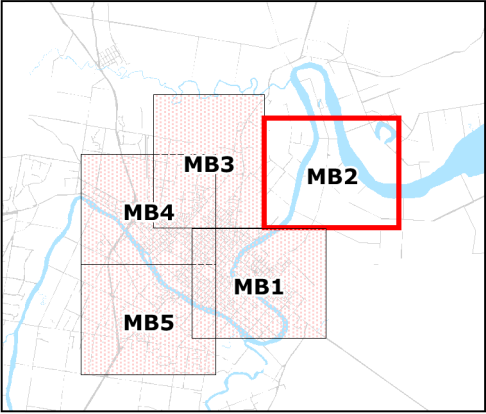
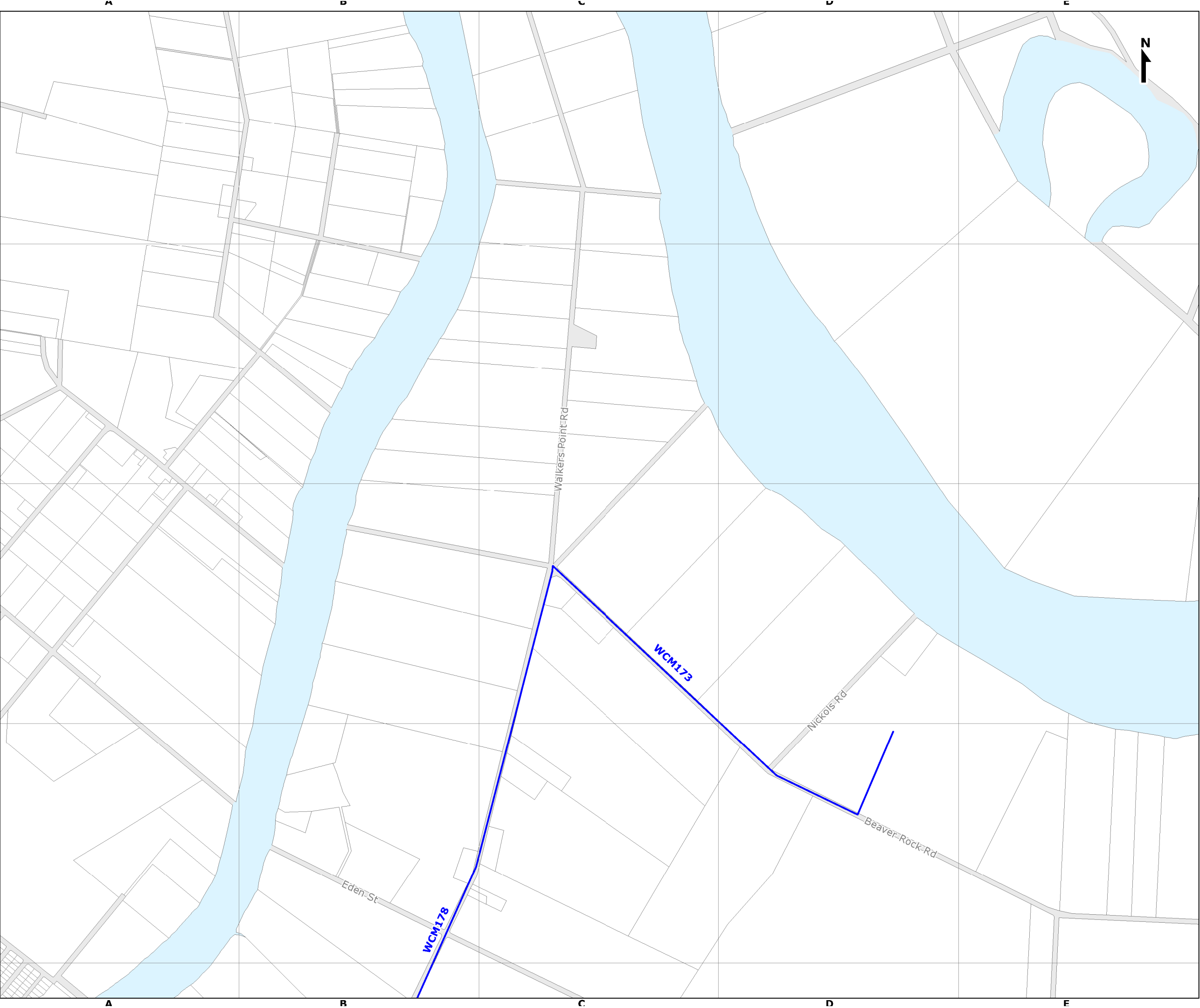
Post 2030 Infrastructure

- Water Pumpstation
- Water Reservoir
- Water PRV
- Boundary Valve
- Water Main



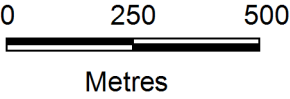
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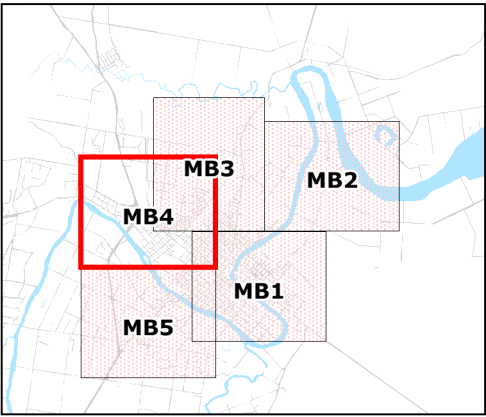
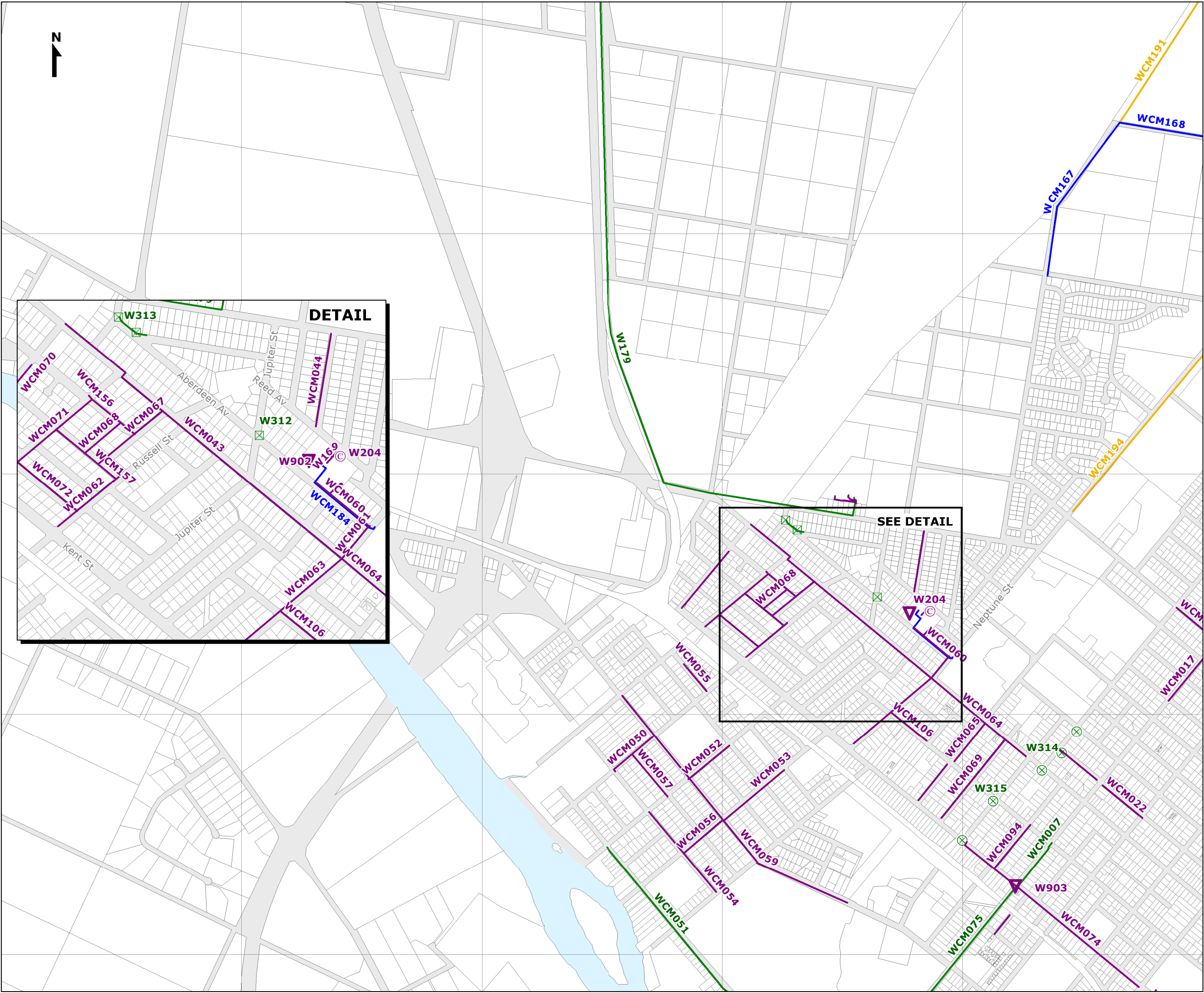
Legend

- 2016 Infrastructure**
- Water Pumpstation
 - Water Reservoir
 - Water PRV
 - Water Treatment Plant
 - Water Main
- 2021 Infrastructure**
- Water Pumpstation
 - Water PRV
 - Boundary Valve/PRV
 - Water Main
- 2026 Infrastructure**
- Water Pumpstation
 - Water Reservoir
 - Water PRV
 - Water Treatment Plant
 - Water Main
- Post 2030 Infrastructure**
- Water Pumpstation
 - Water Reservoir
 - Water PRV
 - Boundary Valve
 - Water Main



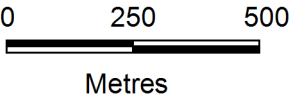
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Map MB2



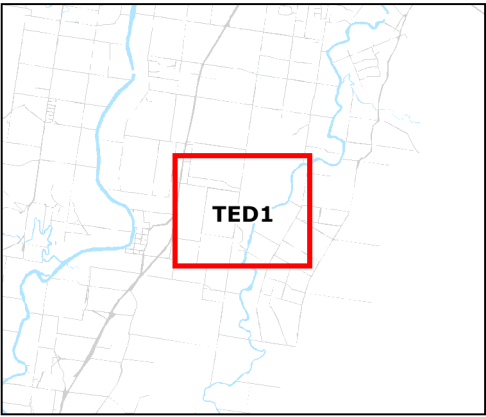
Legend

- 2016 Infrastructure**
- Water Pumpstation
 - Water Reservoir
 - Water PRV
 - Water Treatment Plant
 - Water Main
- 2021 Infrastructure**
- Water Pumpstation
 - Water PRV
 - Boundary Valve/PRV
 - Water Main
- 2026 Infrastructure**
- Water Pumpstation
 - Water Reservoir
 - Water PRV
 - Water Treatment Plant
 - Water Main
- Post 2030 Infrastructure**
- Water Pumpstation
 - Water Reservoir
 - Water PRV
 - Boundary Valve
 - Water Main



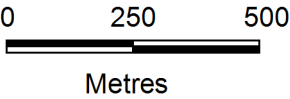
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Map MB4



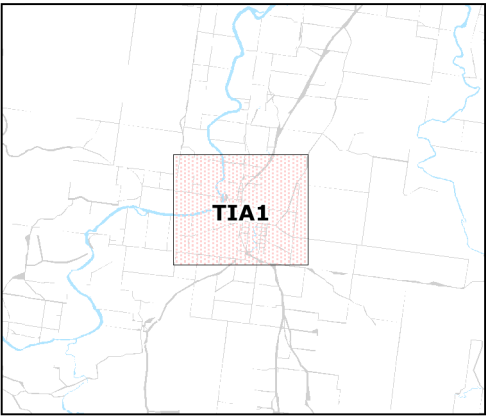
Legend

- 2016 Infrastructure**
- Water Pumpstation
 - Water Reservoir
 - Water PRV
 - Water Treatment Plant
 - Water Main
- 2021 Infrastructure**
- Water Pumpstation
 - Water PRV
 - Boundary Valve/PRV
 - Water Main
- 2026 Infrastructure**
- Water Pumpstation
 - Water Reservoir
 - Water PRV
 - Water Treatment Plant
 - Water Main
- Post 2030 Infrastructure**
- Water Pumpstation
 - Water Reservoir
 - Water PRV
 - Boundary Valve
 - Water Main



Scale: 1:15,000

Map TED1



Legend

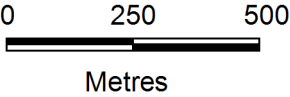
- 2016 Infrastructure

 - Water Pumpstation
 - Water Reservoir
 - Water PRV
 - Water Treatment Plant
 - Water Main
- 2021 Infrastructure

 - Water Pumpstation
 - Water PRV
 - Boundary Valve/PRV
 - Water Main
- 2026 Infrastructure

 - Water Pumpstation
 - Water Reservoir
 - Water PRV
 - Water Treatment Plant
 - Water Main
- Post 2030 Infrastructure

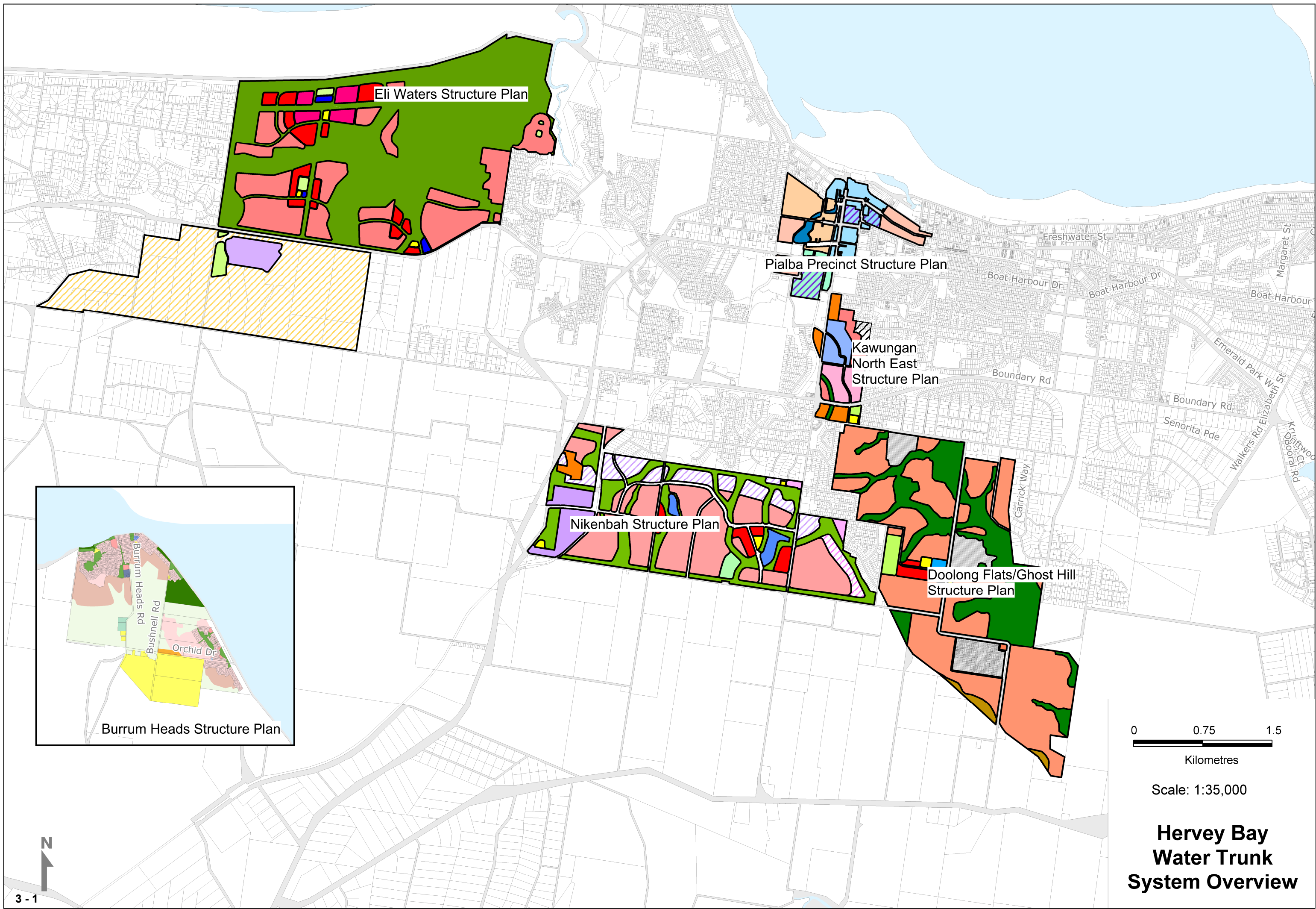
 - Water Pumpstation
 - Water Reservoir
 - Water PRV
 - Boundary Valve
 - Water Main



Scale: 1:15,000

Map TIA1

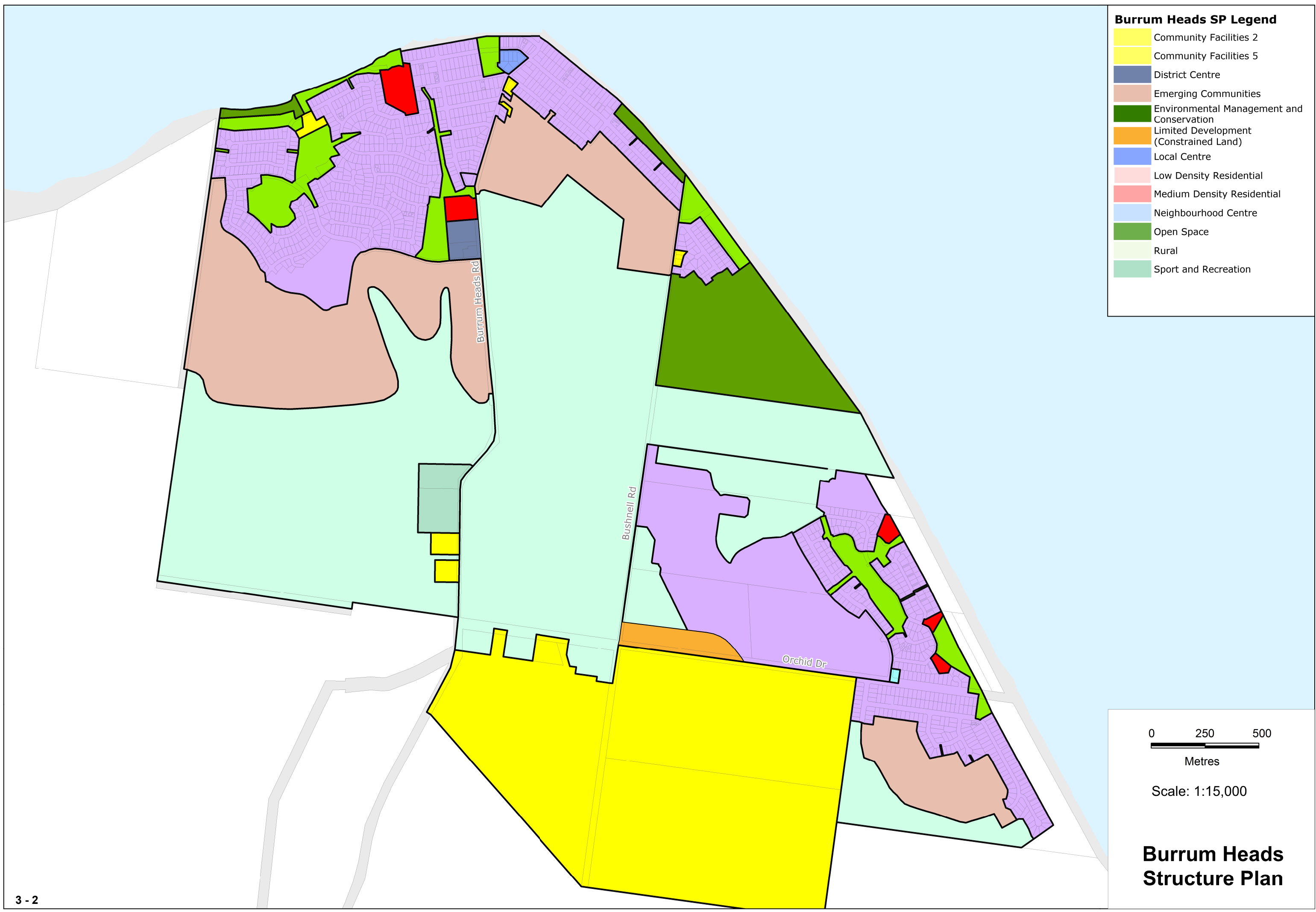
APPENDIX 3 – STRUCTURE PLANS



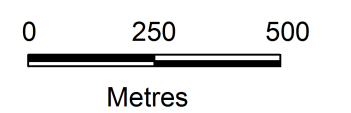
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Scale: 1:35,000

Hervey Bay Water Trunk System Overview

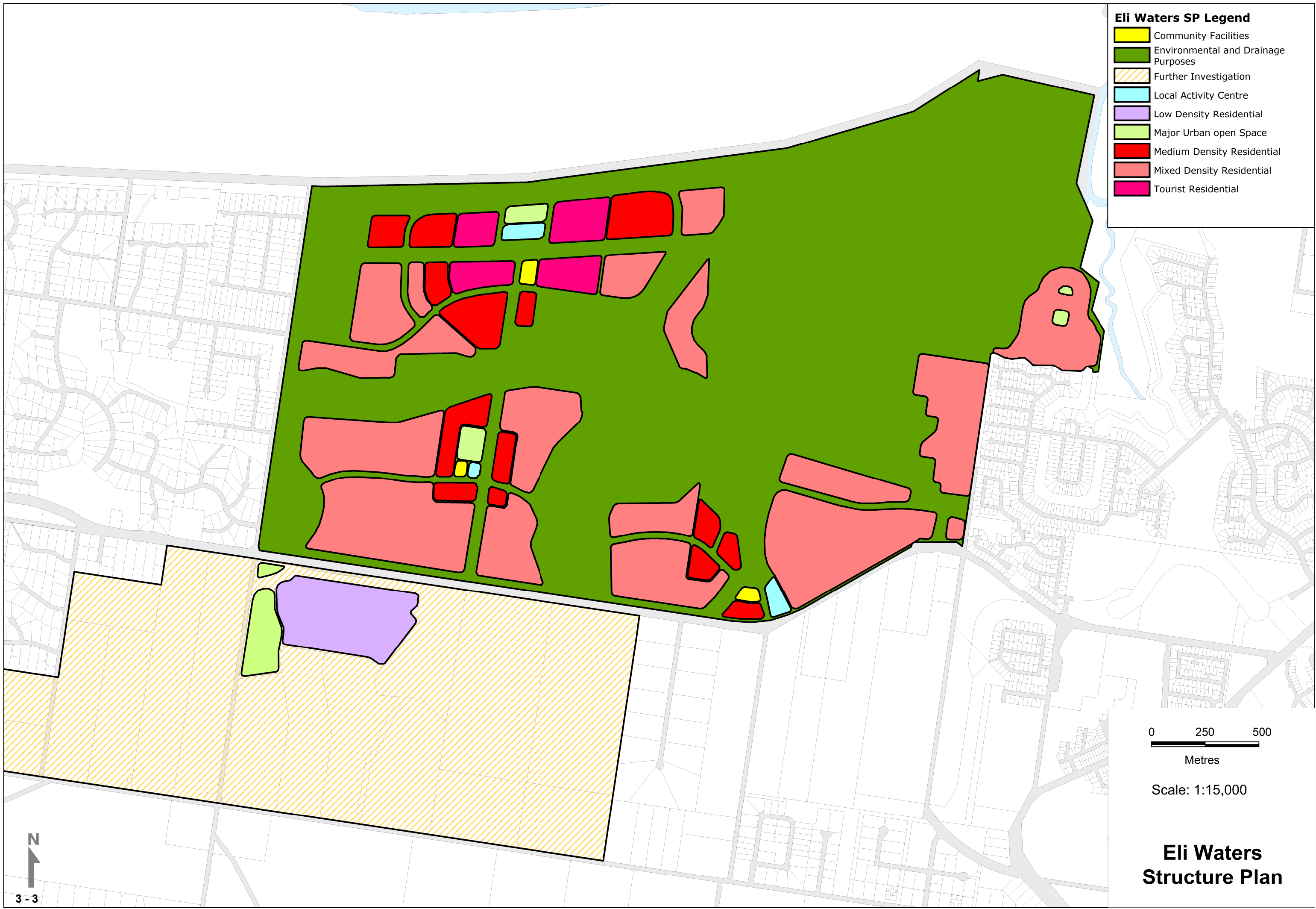


- Burrum Heads SP Legend**
- Community Facilities 2
 - Community Facilities 5
 - District Centre
 - Emerging Communities
 - Environmental Management and Conservation
 - Limited Development (Constrained Land)
 - Local Centre
 - Low Density Residential
 - Medium Density Residential
 - Neighbourhood Centre
 - Open Space
 - Rural
 - Sport and Recreation



Scale: 1:15,000

**Burrum Heads
Structure Plan**



- Eli Waters SP Legend**
- Community Facilities
 - Environmental and Drainage Purposes
 - Further Investigation
 - Local Activity Centre
 - Low Density Residential
 - Major Urban open Space
 - Medium Density Residential
 - Mixed Density Residential
 - Tourist Residential

0 250 500
Metres

Scale: 1:15,000

**Eli Waters
Structure Plan**



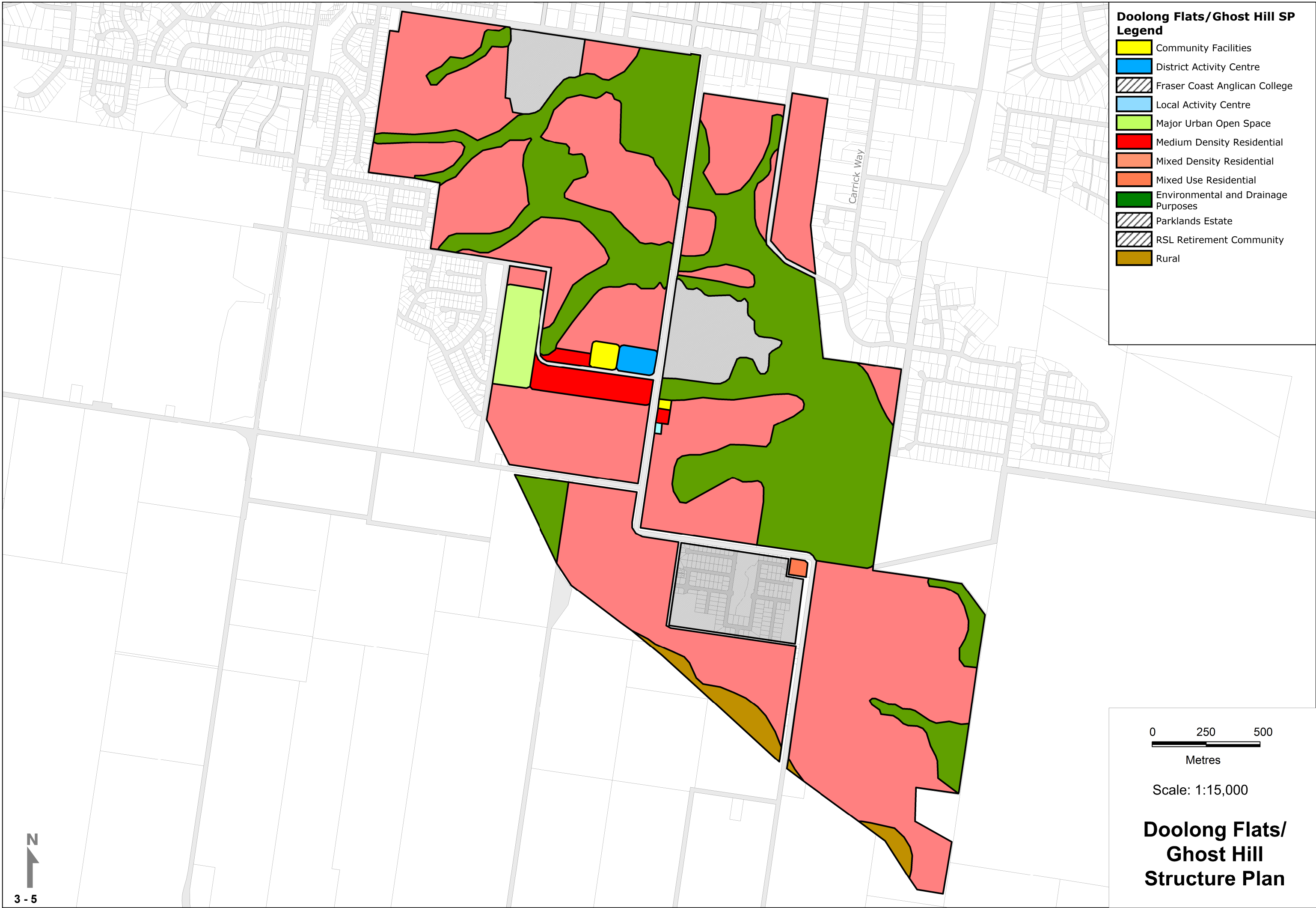
- Nikenbah SP Legend**
- Community Facilities
 - Environmental and Drainage Purposes
 - Hillslope Residential
 - Industry and Employment
 - Low Density Residential
 - Major Urban Open Space
 - Major Waterbody
 - Medium Density Residential
 - Mixed Density Residential
 - Mixed Use

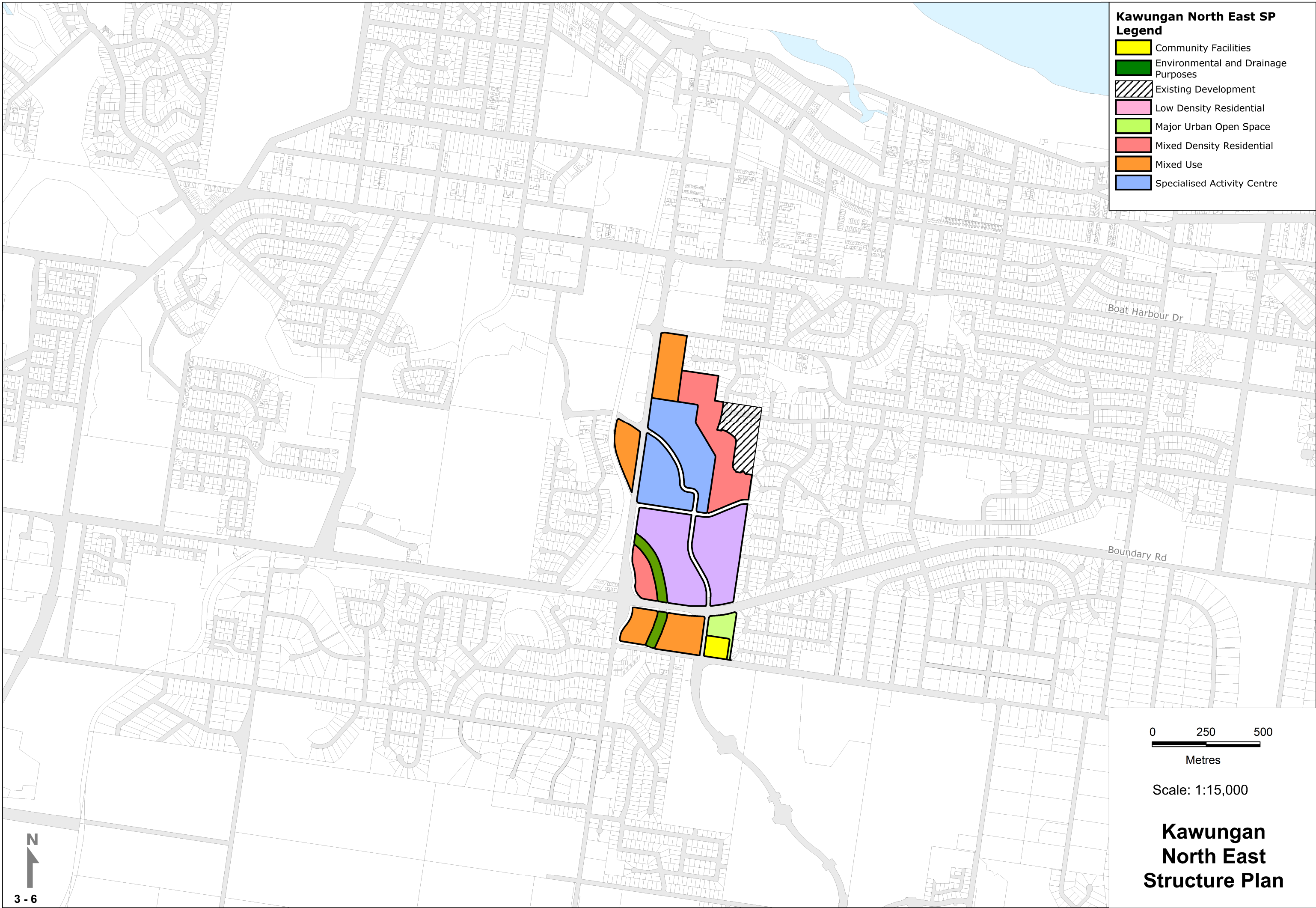
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Metres

Scale: 1:15,000

**Nikenbah
Structure Plan**







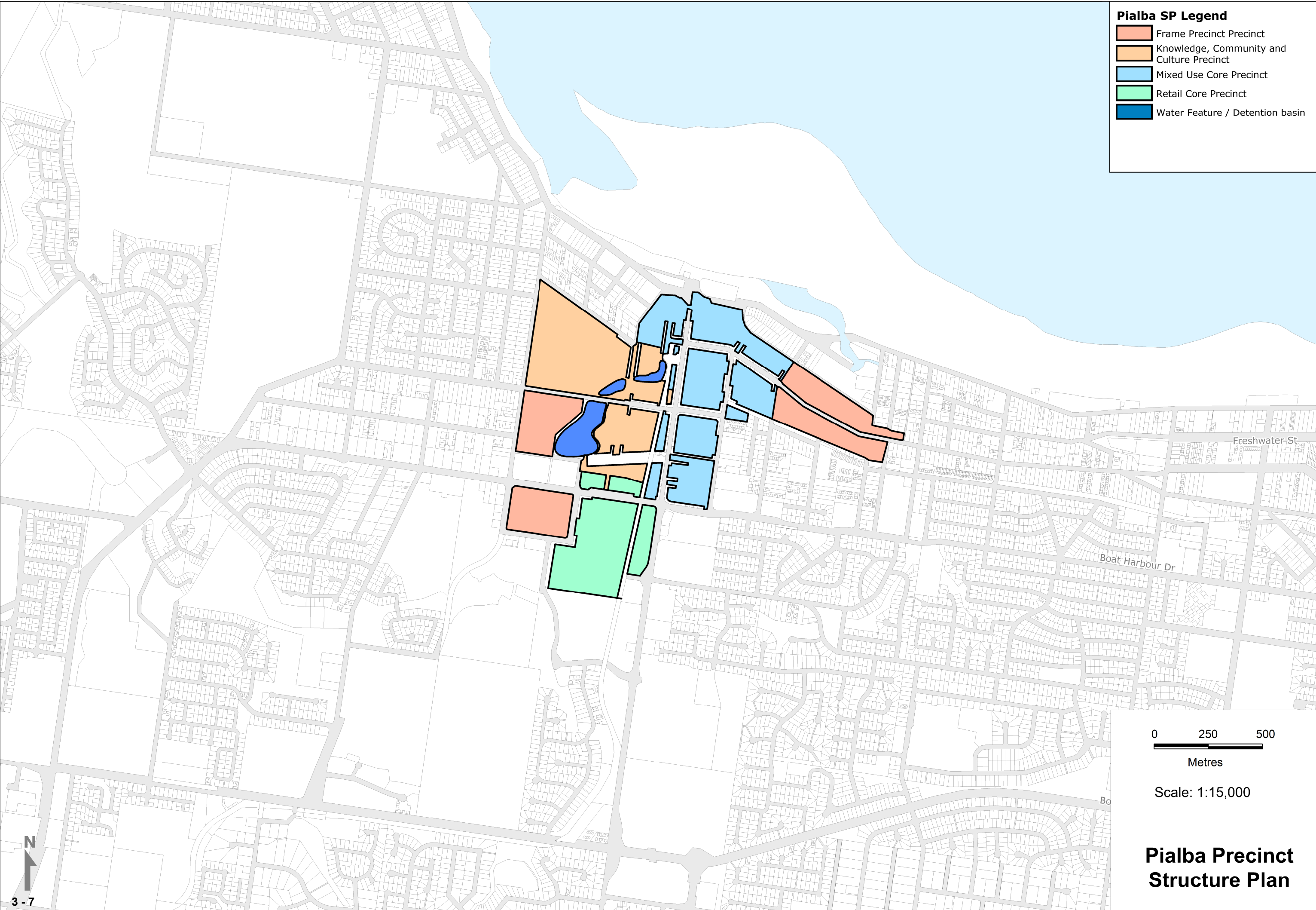
**Kawungan North East SP
Legend**

- Community Facilities
- Environmental and Drainage Purposes
- Existing Development
- Low Density Residential
- Major Urban Open Space
- Mixed Density Residential
- Mixed Use
- Specialised Activity Centre

0 250 500
Metres

Scale: 1:15,000

**Kawungan
North East
Structure Plan**



Pialba SP Legend

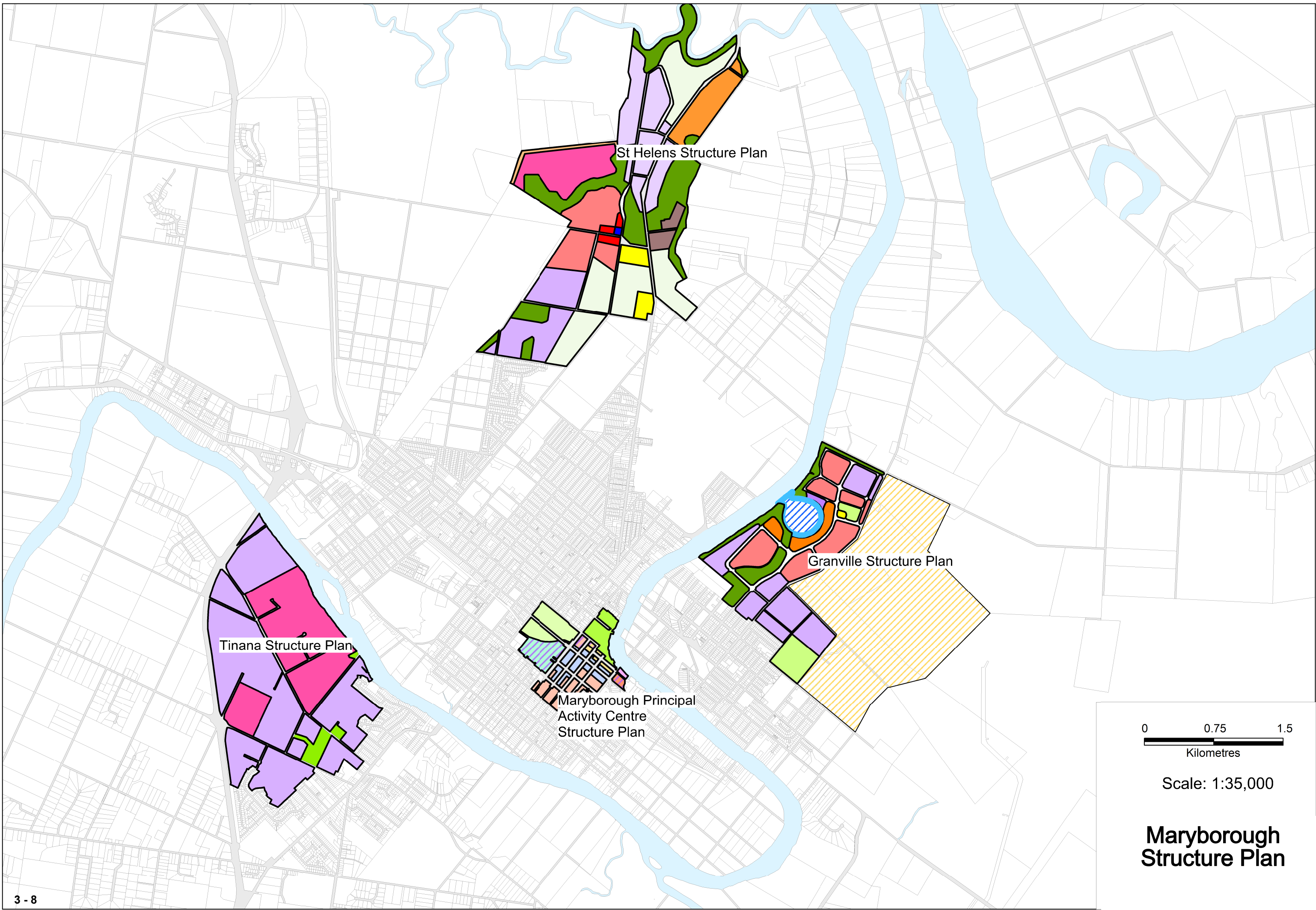
- Frame Precinct Precinct
- Knowledge, Community and Culture Precinct
- Mixed Use Core Precinct
- Retail Core Precinct
- Water Feature / Detention basin

0 250 500
Metres

Scale: 1:15,000

**Pialba Precinct
Structure Plan**

N
3 - 7

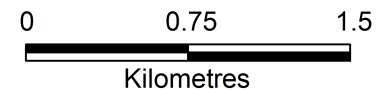


Tinana Structure Plan

St Helens Structure Plan

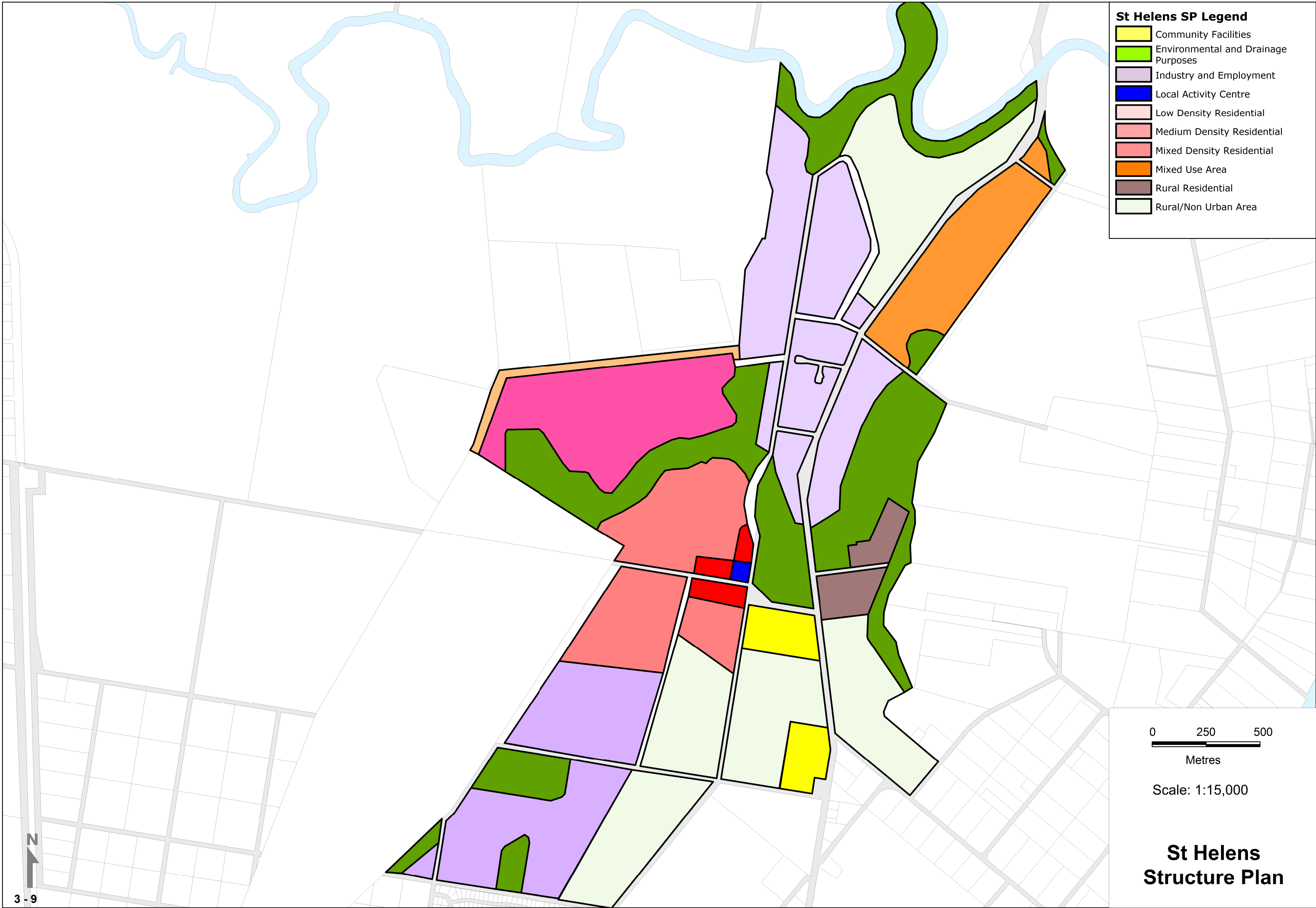
Granville Structure Plan

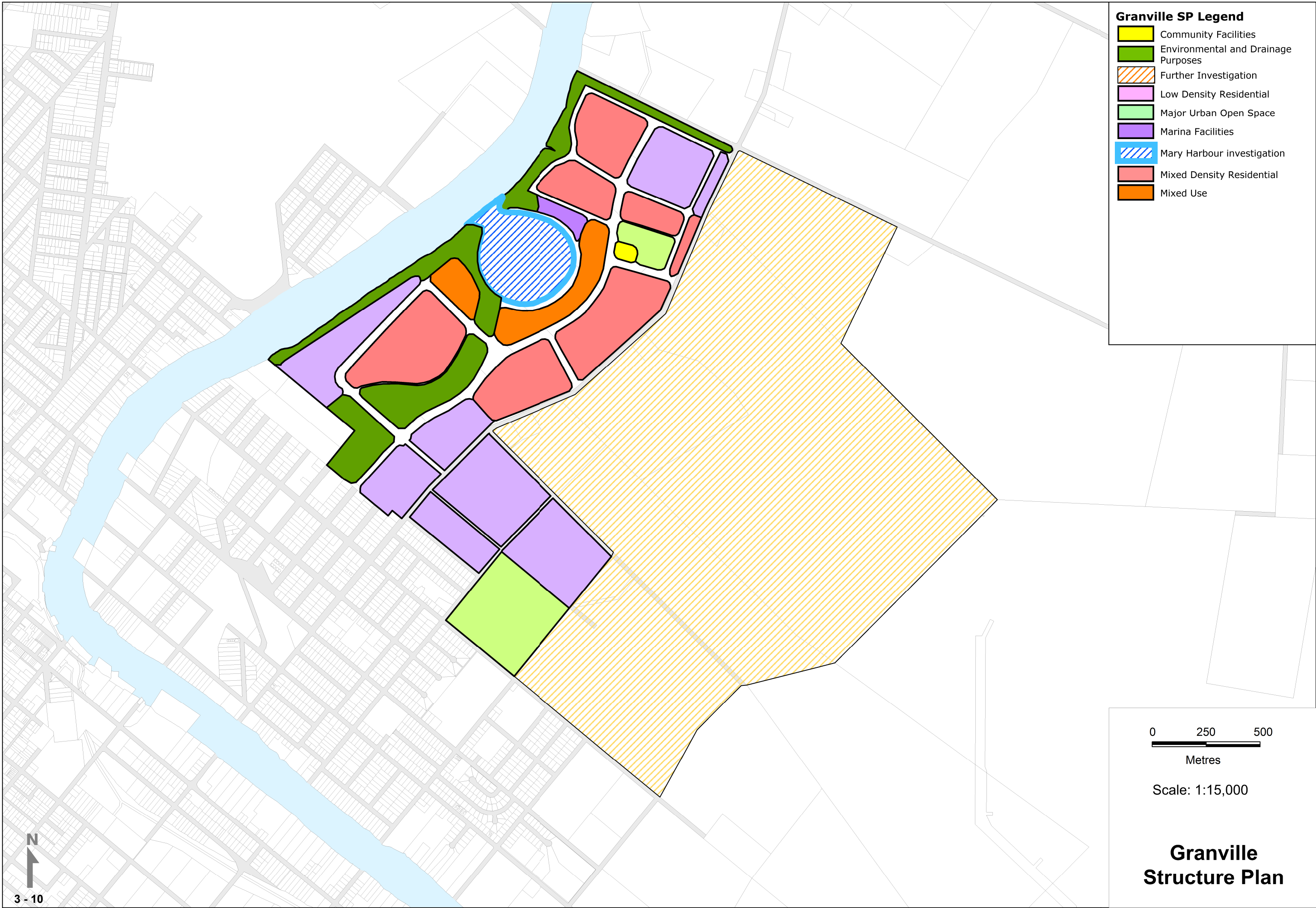
Maryborough Principal
Activity Centre
Structure Plan

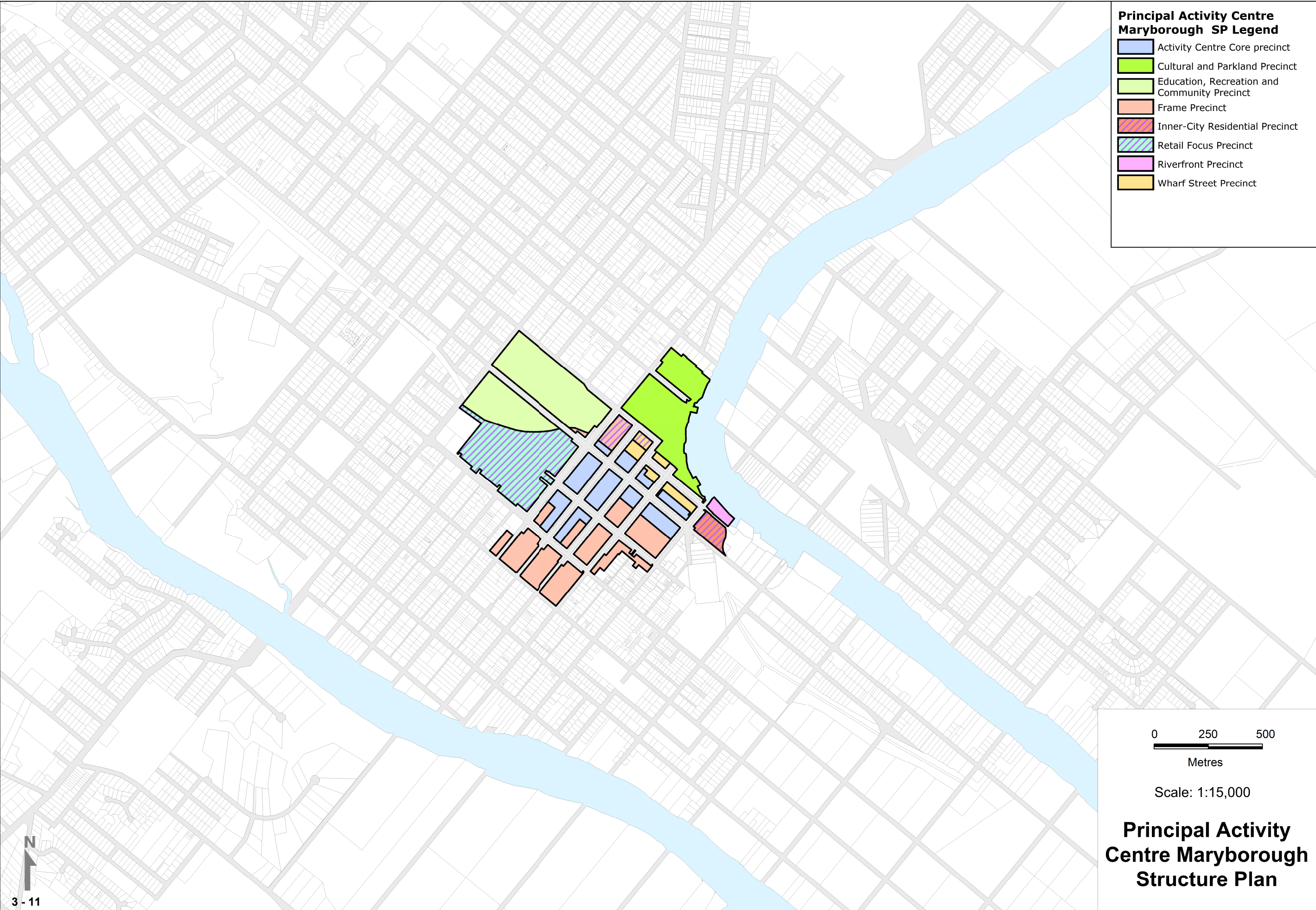


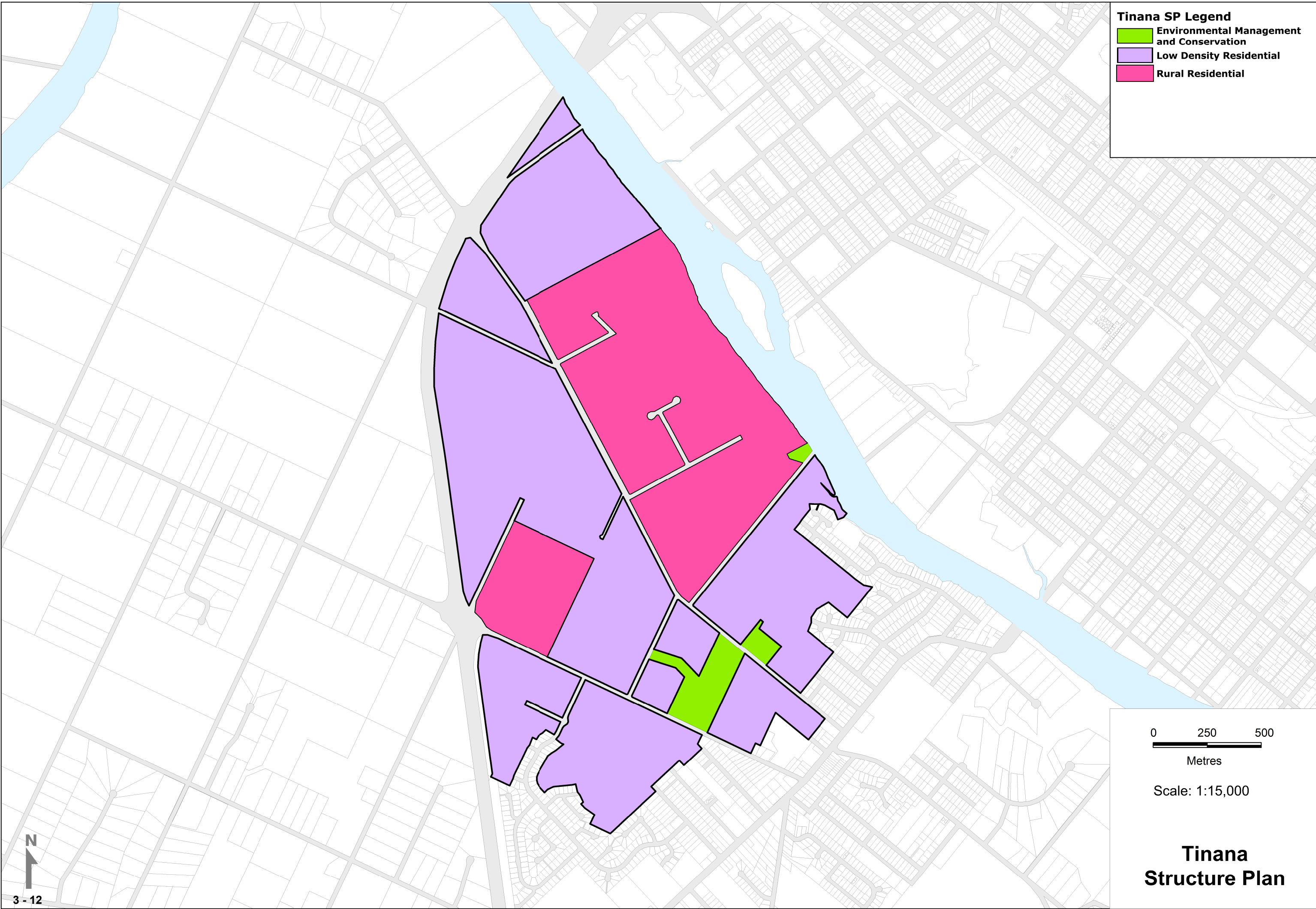
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**Maryborough
Structure Plan**









Tinana SP Legend

- Environmental Management and Conservation
- Low Density Residential
- Rural Residential

0 250 500
Metres

Scale: 1:15,000

**Tinana
Structure Plan**

N