Key Performance Indicator 2025/2026	Target Date	Evidence/Comments	√ <u>&</u> X

Monthly Operational Report – July 2025 Communities Directorate Page 29 of 84

PART A: Section Accountabilities and Team Roles

Manager Development & Environment	1	Mana	ger Cultural Services		Mana	ger Parks & Facilities	Coordinator Disaster Mgmt & Resilience						
danaging the development compliance and notivities for the Shire	i	spaces inform	cting community assets (people, groups, s, ideas, businesses, arts, culture, history) to ation, opportunities and each other to foster unity wellbeing.		buildir access To mai and Co	ntain and service a variety of council and community ags and facilities across the shire that are safe, sible and operate efficiently. Intain Council's parks and open spaces, cemeteries ouncil's Community nursery, providing a visual and tional experience to the community and visitors to gion		ering Council's responsibilities under the Queensland Governmen ster Management framework.					
ccountabilities	1	Accou	ntabilities	1	Accou	ntabilities	Acco	untabilities					
SBPO Accountability		SBPO	Accountability	1	SBPO	Accountability	SBPC	Accountability					
B Animal Regulatory Service		В	Access and Inclusion		В	Administration of Council Property Portfolio	В	Area Fire Management Groups (Stakeholder)					
B Building Services (Public)		В	Arts Culture		B	Administration of State/Reserve Land	В	Australian Warning System - Templates and Council Messaging					
B Commercial Building Codes	Ш	В	Bookings (Council Buildings, Community	Ш	В	Caravan Parks Management	В	Bushfire					
Management	Щ		Spaces) Management	П	В	Dividing Fence Contributions adjoining Council	8	Bushfire Mitigation (inc. Fire Trails, Hazard and Reduction					
B Developer as Constructed Compliance		В	Branding and Corporate Image			Property Portfolio		Strategies)					
B Developer/Builder Forums		В	Civics Events Management	Ш	8	Encroachments into Council property portfolio	В	Community Recovery (post disaster)					
B Development and Management of	Ш	В	Community Education - Community and	Ш	8	Land Disposal and Acquisition (Except Infra.)	В	Community Resilience					
Strategic Land Planning Statement	Ш		Cultural Services	Ш	В	Native title Applications/Determinations	В	Cyclone Shelter (Procedures, Exercise, Training)					
B Development Services Investigations		В	Community Engagement Management	Ш	В	Property Purchases and Disposals	8	Disaster Exercise Management					
B Environmental Sustainability	Ш	В	Community Programmes and Events	Ш	8	Development and Management of Aquatic	8	Disaster Management Education (incl. Councillors and					
B Food Safety		(6)	Development	11		Services	<u> </u>	Community)					
B Fruit Fly Control Management		8	Community Services Administration	11	В	Development and Management of Cemeteries	В	District Disaster Management Group					
B Illegal Dumping	Ш	В	Community Services Quality Management	Н	В	Heritage Services	В	Emergency Management Planning and Response as per					
B Intergovernment Relations - Planning	Ш	В	Council Branding and Corporate Image	Ш	<u> </u>		-	Consequence Management Plans (LEMO)					
and Environment		100	Management				8	Evacuation Centre/Shelter					
B LG Act Approvals (eg: Caravan Parks)	H	В	Council Grants, Sponsorship and Donations	H			В	Fire/Fuel Hazard					
B Local Environmental Plan Preparation	H	В	Customer Satisfaction Survey	H			В	Funding Programmes/Activities (eg: Get Ready Queensland)					
B Management of Environmental	H	В	Customer Services	1			В	Guardian (Incident Management System)					
Regulation	Ш	В	Customer Services Development and	Ш			В	LDMG Training (relevant personnel)					
B Management of Heritage Services	H	D.	Management	H			B	Lobbying - Disaster Funding					
B Management of Landscape Approvals	Ш	В	Development and Management of Youth	Ш			8	Local Disaster Coordination Centre Operations (including duri					
B Mosquito Population	Ш		Engagement, School Holiday Programs and Youth Services	Ш			-	disaster)					
8 Natural Bushland		В	External Communications Development and	H			В	Local Disaster Management Group					
B Natural Bushland Development and	Ш	D	Management Severagement	Ш			В	Local Disaster Management Plan (and Sub Plans)					
Management Parking Fortess	H	В.	First Nations	Н			8	LSC Volunteer Program - Council					
B Parking Enforcement	Ш	0	Policy/Procedure/Relationships	Ш			B 8	Office Inspector - General Emergency Management Standards					
B Pest Management		В	Funding Agreements Compliance	11			В	Operational Guidance during activation					
B Planning Advisory Services B Planning and Environment	H	В	Internal Communication Planning and	11			В	State and Federal Funding (inc. Disaster Recovery Funding Arrangements)					
Administration	Ш		Management	Ш			В	State and Federal Funding (inc. Disaster Recovery Funding					
B Planning Services Investigations		В	Library Management	11				Arrangements)					
B Planning Services Management		В	LSC Volunteer Program - Council	11			В	State Emergency Service - Local Controller Relationship					
B Pollution Regulation		В	Media Support Management (Mayor,	11			R	Disaster Management Education (incl. Councillors and					
B Private Building Compliance	Ш	_	Councillors, CEO)					Community)					
Management		В	Public Library Service Management	11			8	LDMG Functions (Inc. Legislative responsibilities)					
B Private Trees Management	Ш		(including Street Library Service) and Home				0	Annual Report - Disaster Management Group					
B Public Health			Library Service				0	Bushfire Management Operational Plan - Review and Update					
B Public Health (Water) Management		В	Small Business Friendly				0	Bushfire Management Plan					
B Regulatory Service Management		В	Social Media Development and Management				0	Bushfire Mitigation Burns					
B Road Opening Application Register		В	Stakeholder Engagement] [O	Bushfire Risk Assessment- Council Owned Land					
B Statutory Planning	ΙĬ	0	Wellness Sport and Recreation				0	Customer Requests (DISGEN, FIRE)					
B Statutory Planning Management		0	Businesses E-Bulletin				0	Delivery of LDCC Training					
- Indicate and the oversity of the property of the second	11	0	Capricom Coast Art Trail	1			100	Talabota X at monard demonstrati					

8	Strategic Land Planning Statement	0	Donations	0	Development/Revie
В	Subdivision Planning Management	0	EScooters		Documents
В	Subdivisions Regulatory			0	Disaster Management
В	Unauthorised Activity			0	Fire Trails Inspections
В	Unauthorised Activity (Fires, Firewood,			0	Get Ready Queensland
	Camping)			0	LDMG Exercise Manage
В	Vertebrate Pest Management			0	Local Disaster Coordina
В	Weed Action Plan (Rural and Urban)			0	Local Disaster Coordina
p	Local Law Review			0	Local Disaster Managem
р	Structure Planning				Activations
				0	Local Disaster Managem
				0	Recovery Taskforces
				0	SES Building Inspection
				0	Stakeholder Engagemen
				0	State Emergency Service
					maintenance requests, fl
					month meetings)
				0	Yeppoon Public Cyclone
				Р	Repeater (CQARA) - Mour
				P	SES Yeppoon Emergency
				P	State Emergency Service

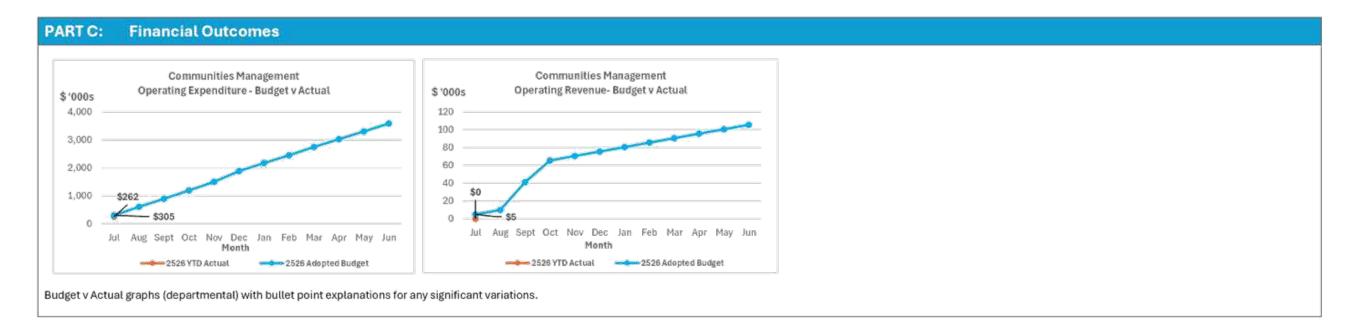
PART B: 5 Year Delivery Program and 1 Year Operational Plan

OP Ref	5 Year Delivery Program 2025 - 2030	Council's Role	Performance Measure	Performance Me	Responsible Officer	Year					Comments	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	/ & K			
				2025 – 26	Baseline	Interim (2026 – 27)	2030		1	2	3	4	5			
THEM	E - VIBRANT CULTURE & HEA	LTHY COMMI	UNITY													
3.5	Enhance community health	and wellbei	ng, safety, and natural disaster r	esitience												
3,5.3	Develop a Bushfire Mitigation strategy for the whole of Shire	Provider	Adoption by Council	30 June 2026				S: GM Communities B: Coordinator Disaster Mgmt & Community Resilience P: O: Bushfire Resilience Officer	~					New Coordinator DM & CR commenced in July and reviewing to determine appropriate strategic direction to be undertaken in Q2.		. !

Monthly Operational Report – July 2025

Communities Directorate

Communities Directorate



PART D: Project Status

PROJECT	COMMENTS	√ <u>∧</u> X
Annual Local Disaster Management	Planning for the LDMG annual exercise on 7 August is on track. This exercise will focus on the recovery phase of a simulated cyclone crossing at Corio Bay. Multiple agencies and community	
Group (LDMG) Exercise	groups will form recovery taskforces to work through a desktop exercise planning activity.	~

PARTE: Business as Usual

Disaster Management and Community Resilience

8 July 2025 - Inspector General Emergency Management (IGEM) Disaster Management Plan Assessment review conducted.

16-17 July 2025 – Guardian Incident Management System training provided to a cross-section of LSC employees and inter agency staff by QIT Plus.

14 July 2025 - New SES Local Controller commenced.

17 July 2025 - Monthly SES and LSC meeting held.

24 July 2025 – The Disaster Management and Community Resilience unit attended Under 8's Day at Taranganba School. Approximately 250 children were in attendance.





Monthly Operational Report – July 2025

Communities Directorate

Communities Directorate

PART F:	Service Metrics			
Risk Managem	ent			
Date Updated	Risk Details	Existing Controls/Challenges	Required Actions	✓ <u>▲</u> ×

PART G: Executive Summary (Achievements of note, celebrations, recognition of team members, significant change, challenges, emerging trends or significant highlights)

The Katrina Paterson, General Manager of Communities has been seconded to the Acting General Manager – Strategic Growth to assist with the establishment of the new portfolio. Andrea Ellis (CFO/General Manager Corporate Services) has moved across to lead the Communities Portfolio during this transition period. Disaster Management and Community Resilience team is now staffed at full capacity with the commencement of Amy Lane, Coordinator Disaster Management and Community Resilience and Jane Shannon as Disaster Management Officer.

The entire portfolio is exceptionally proud of our trainee Kylie Johnston won Vocational Student of the Year for Horticulture and will be competing at the state awards in September.

The Communities Portfolio continues to deliver strong outcomes across Community & Cultural Services, Development & Environment, and Parks & Facilities. Highlights include record-breaking community engagement through events such as the Yeppoon Running Festival and Challenge Cup, expansion of inclusive programs like the Capras All Abilities League, and successful grant applications supporting infrastructure upgrades and community grants. Environmental initiatives are progressing well, with Reef Guardian projects, coastline preservation plans, and biodiversity mapping underway. Parks & Facilities reported key achievements including the opening of Paramount Park Playground and commencement of service level reviews for mowing and accessibility. Challenges include increased demand for library space and technology support, tenure complexities with community groups, and staffing shortages impacting maintenance schedules. Financial performance across departments shows early variances against budget, with ongoing monitoring in place.

The portfolio remains focused on delivering strategic outcomes aligned with the 2025–2030 plan, enhancing liveability, sustainability, and community wellbeing.

Attachment 1 Page 202

Monthly Operational Report - July 2025

Communities Directorate - Community and Cultural Services





Section Accountabilities and Team Roles PARTA:

Cultura Connect (people, business to inform	ing community & ing community assets groups, spaces, ideas, ses, arts, culture, history) nation, opportunities and er to foster community g.	Librarie equitab space ti informa program	nator Libraries s provide free and le access to a community nat offers resources, tion and facilitates ming that supports , social inclusion and tion.	Develop Officer Supports clubs an build res while pro program shared s culturals through	pment & Engagement s community, groups, d small businesses to ilience and capacity, oviding targeted s, grants, projects, and paces. Supports arts, and event initiatives wenue management, and programming.	Connect Council information promote	inator Customer rt et the community with I services by providing ation, assistance, and ion, while also managing y search requests.	Manage commun	ic Communications dvisor internal and external nications and community nent activities.	Provide referred manage white I organi QLD D Aboring Island	es individual support, als, emergency relief, and ges community spaces, nosting support sations. Funded by the repartment of Treaty, inal and Torres Strait er Partnerships, nunities and the Arts.	Provide by QLD I	isor Strengthening Family ctions family support service. Funded Department of Child Safety, and Disability Services.
Assaunt	abilities	Annoum	tabilities			A	ntabilities	Accoun	tabilities	40001	ıntabilities	Accoun	tabilities
				_	abilities	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				SBPO			Accountability
B B B B B B B B B B B B B B B B B B B	Accountability Access and Inclusion Arts Culture Bookings (Councit Buildings, Community Spaces) Management Branding and Corporate Image Civics Events Management Community Education - Community and Cultural Services Community Engagement Management Community Programmes and Events Development Community Services Administration Community Services Quality Management Council Branding and Corporate Image Management Council Grants, Sponsorship and Donations	B B B B B O O O O O	Accountability Be Connected Program Home Library Service Libero System Library Management System Library collection development and management Public Library Operations Service Public Library Programs Service Volunteer Management - Library Be Connected Program Community and School Visits - Library Community and Stakeholder Engagement - Library Community Education - Library (Tech services) Community Events - Library Community Events - Library Community Library Donations (eg:	8 B B B B B B B B B B B B B B B B B B B	Accountability Auditing, research and reporting - Community Needs Building Community, Sporting Group and general community Capacity Community Development Recovery and Resilience Taskforce Coordination Discover Capricorn Coast Website Manage Tenure Agreements (Council and Community Groups), including maintenance requests Small Business Support Sport and Recreation Facility Development and Management Access and Inclusion Arts Culture Australia Day Awards Bookings	B B B C C C C C C C C C C C C C C C C C	Accountability Customer First Contact Customer First Contact Management External Call Centre Delivery Service (Out of Hours) Office and Stationery Supply- Lagoon Place Customer Counter Service Customer Experience Service Customer Point of Enquiry Service Delivery Customer Satisfaction Reporting Internal Customer Service (call centre) Administration of customer request systems Office and Stationery Supply- Lagoon Place	B B B C O O O O O O O O O O O O O O O O	Accountability Council Engagement Systems and Processes Employee Business Cards/Badges Government Communication and Relations Branding and Corporate Image Council Branding and Corporate Image Service Delivery Internal Communication Delivery Lighting Schedule LSC Communication Stakeholder Database (Manage) LSC Marketing and Advertising LSC Official Photography (Management and Deliver LSC Website Development,	8 8 8 8 0	Advocate for Community Services Dignity Room (Management and Service Delivery) ICARE Project Volunteer Management - Community Centre Community and Stakeholder Engagement - Community Centre Community Centre Service Delivery (Information, support and referral) Community Centre Funding Compliance-CC		Community and Stakeholder Engagment - SFC Stakeholder Relations - SFC
B B	Customer Satisfaction Survey Customer Services	0	ANZAC DAY) First Five Forever Program	0	Administration. Civic Events Community and Stakeholder	0	Oversee Property Search Requests		Management and Service Delivery				

Monthly Operational Report - July 2025

Communities Directorate - Community and Cultural Services

Page 34 of 84

		7.				7			· ·	4
8	Customer Services	0	Funding Compliance -	0	Engagement -		0	Media		
	Development and		Library		Community			Liaison/Management		
	Management	0	Library Events (eg:		Development			Service		
			Book/Author)	0	Community Events -		0	Social Media		
		0	Library IT Service		CDSR			Management/Service		
	Development and	0	Library Stock	0	Community Events -			- Council		
В	Management of Youth		Management (inc.		Events		0	Staff Internal		
70	Engagement, School		Digital Stock)	0	Community Grants		799	Communications		
	Holiday Programs and	0	Mobile Library Service	0	Economic		0	Stakeholder Relations		
	Youth Services		Stakeholder Relations	×	Development			- organisational and		
В	External	0	- Library		Marketing (Discover			community		
	Communications		- Library		Socials Insta, FB,		0	Website Service		
	Development and				LinkedIn and website)			Delivery		
	Management				Electric Vehicle		P			
В	First Nations			0			P	Advocacy Trip		
(8)	Policy/Procedure/Rel			-	Charger			Planning - Japan		
				0	Events Sponsorship		P	Engagement		
-	ationships			Ö	First Nations Liaison -			Framework - Policy		
	Funding Agreements				Council			and Procedure		
	Compliance			0	Funding Compliance -		P	Website Migration		
8	Internal				CDSR					
	Communication			0	RADF Grants					
	Planning and			0	Smatt Business					
	Management				Friendly Program					
В	Library Management				(Small Business					
B	LSC Volunteer				Development and					
	Program - Council				Support)					
8	Media Support			0	Stakeholder Relations					
	Management (Mayor,				- Children and					
	Councittors, CEO)				Youth/Community					
8	Public Library Service				and Sporting Groups					
	Management									
	(including Street									
	Library Service) and									
	Home Library Service									
В	Small Business									
	Friendly									
В	Social Media									
	Development and									
	Management									
В	Stakeholder									
	Engagement									
8	Weliness Sport and									
	Recreation									
0	Businesses E-Bulletin									
0	Capricorn Coast Art									
	Trail									
0	Donations									
0	E Scooters									

Attachment 1

PART B: 5 Year Delivery Program and 1 Year Operational Plan

OP Ref	5 Year Delivery Program 2025 - 2030	Council's Role	Performance Measure	Performance Measure Target Res Off					Ye	ear				Comments	×
				2025 - 26	Baseline	Interim (2026 – 27)	2030		1	2	3	4	5		
	VIBRANT CULTURE & HEA Deliver strategic land use.		UNITY re planning and urban design acti	vities that suppor	t growth, liveabilit	v. and sustainabi	üty								1
3.1.10	Placemaking and Urban Design Program - purchase, deliver, install and promote public Christmas decorations	Provider	Project completed within allocated budget and timeframe	100%				S: GM Communities B: Manager Community & Cultural Services P: O: Coord Comm Dev & Events	~					Design complete, decorations ordered and delivered.	1
100	VIBRANT CULTURE & HEA														
3.2.1	Event and activity participation	Facilitator	Measures the participation in events and activities funded, supported, or delivered by Council	Target established	To be established in 2025–26	Maintain or improve from baseline	Maintain or improve from baseline	S: GM Communities B: Manager Community & Cultural Services P: O: Coord Comm Dev & Events	~	~	~	~	~	Work underway to measure and establish target.	J
3.2.2	Document and establish a measurement system to enable frequent reporting on event and activity participation	Provider	Measurement system established and implemented	100%				S: GM Communities B: Manager Community & Cultural Services P: Manager Community & Cultural Services O: Coord Comm Dev & Events	~					Approx 15,000 First draft of internal measurement system complete. Staff testing in July and August. Drafts for external provider measurement underway for testing in September.	4
The second second second	 VIBRANT CULTURE & HEA Provide diverse and inclusi 		UNITY sporting and recreation opportun	íties to encourage	community partic	cipation and that	contribute to wel	tbeing							
3.3.1	Community facilities visitation	Facilitator	Measures the number of visitation across the network of Council-owned community facilities	Target established	To be documented/ established in 2025–26	Maintain or improve from baseline	Maintain or improve from baseline	S: GM Communities B: Manager Community & Cultural Services P: O: Manager Community & Cultural Services	~	~	~	~	~	Approx 35,000 First draft of internal measurement system complete. Staff testing in July and August. Drafts for external provider measurement underway for testing in September.	V

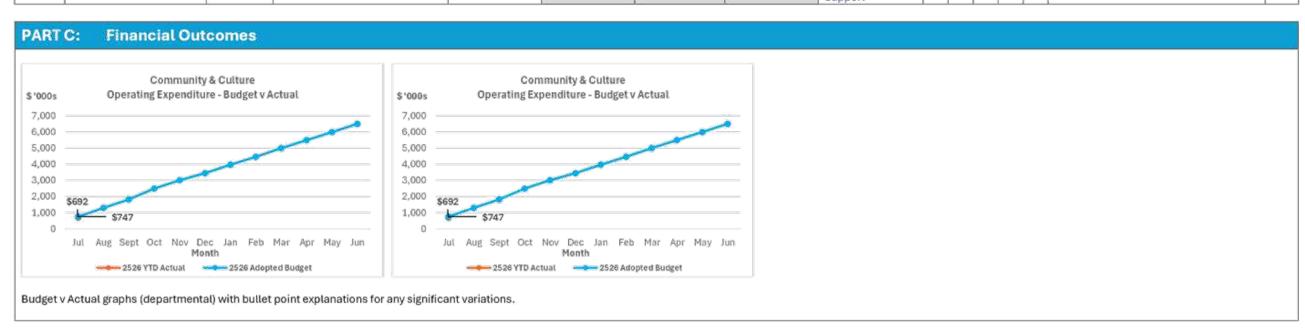
Monthly Operational Report - July 2025

Communities Directorate - Community and Cultural Services

Page 36 of 84

.5.1	Perception of Safety	Facilitator	ng, safety, and natural disaster re Measures the percentage of	Target	To be	Maintain or	Maintain or	S: GM	1	~	1	~	4	Will be incorporated into the	J
.5.1	reception of salety	racintator	people who feel safe in the neighbourhood during the day	established	documented/ established in 2025–26	improve from baseline	improve from baseline	Communities B: Manager Community & Cultural Services P: O:			•	_	•	Community Views survey.	*
.5.2	Socio-Economic Index for Area (SEIFA)	Facilitator	Measures the relative level of socio-economic disadvantage and/or advantage based on a range of Census characteristics	Maintain or improve from baseline	2021 Index: 1005	Maintain or improve from baseline	Maintain or improve from baseline	S: GM Communities B: Manager Community & Cuttural Services P: O:	~	>	>	>	>	970 in the 4th quintile (ie. in the second most advantaged quintile).	7
HEME .2	- TRANSPARENT, ACCOUNT		ROGRESSIVE LEADERSHIP d federal governments in the best	interest of the co	mounity										
.1.1	Document and establish a measurement system to enable frequent reporting on the number of interactions with Council media and communication items published	Provider	Number of interactions and items published	Establish Baseline		Maintain or improve from baseline	Maintain or improve from baseline	S: GM. Communities B: Manager Community & Cultural Services P: Strategic Comms Lead Advisor O:	~	>	>			Published – 120 (18 media releases; 67 facebook posts; 32 instagram posts, 3 new Get Involved pages). Interactions – 4,657 Views – 728,881 Review of current measurement system underway.	1
.1.2	Develop an understanding of community sentiment around environmental, social, and economic factors to ensure informed Council decision-making based on community feedback	Facilitator	Conduct Community Views Survey	Establish Baseline		Improve from baseline	Improve from baseline	S: GM Communities B: Manager Community & Cultural Services P: Strategic Comms Lead Advisor O:	~	>	>	>	>	Community Views Survey Provider engaged and initial kick off meeting held.	1
HEME .3	- TRANSPARENT, ACCOUNT Be responsive, trusted and		ROGRESSIVE LEADERSHIP itive customer experiences												
.3.1	Customer experience	Provider	Measure how customers rate their experience with Council	Establish Baseline	To be documented/ established in 2025-26	Maintain or improve from baseline	Maintain or improve from baseline	S: GM Communities B: Manager Community & Cultural Services P: O: Coordinator Customer Support	~	~	>	~	~	Review of current measurement system underway.	1
3.2	Establish an approach to document a measurement system to enable frequent reporting on customer experience	Provider	Approach endorsed by Council	100%				S: GM Communities B: Manager Community & Cultural Services P: Coordinator Customer Support O:	~					Customer Support and internal stakeholders working together to understand existing measurement tools and potential for integration and improvements. Internal working group meeting scheduled for August. A report will be presented outlying approach options for endorsement by Council in the near future.	~

4.4.8	Increase public use of	Facilitator	Increase of 10% of customers	Establish		S: GM	~	~	~	~	~	2,163	1
	online services		using digital channels	Baseline		Communities							1
						B: Manager							
						Cultural Services						*Measurement is how many times a	
						P:						'self-service' option is used (e.g Snap	
						O: Coordinator						Send Solve, online services).	
						Customer							
						Support							



PART D: Project Status

PROJECT	COMMENTS	√ <u>∧</u> X
Bookable	New booking platform for Council venues. Go Live is 11 th August. On schedule.	1
Council Website Migration	In partnership with LGAQ, the Council website, ARIAC and Councillor Portals are moving from Jadu to Open Cities.	1
CSNET	Transitioning from Pathways to CSNET for Community Centre client records.	1
Snap Send Solve	Supporting IT to progress Snap Send Solve increased capability and pathway integration.	1

PART E: Business as Usual

- Key Media; Announcement of QCOast2100 funding for Muskers Beach Shoreline Erosion Management Plan (SEMP), GKI Putney and Fisherman's Beaches SEMP and design of Emu Park Revetment Wall; Foundation slab complete at Capricorn Coast Brian Dory OAM Aquatic Centre; ALGA National General Assembly motion to promote accessibility standard review carried; Vegetation vandalism at Emu Park; Batteries in domestic waste causing a fire in a rubbish truck.

- Council delivered events; School Holiday program; St Christopher's Chapel Independence Day; Canal Creek Memorial; Mr Snotbottom (two sold out shows); Melbourne Comedy Festival Showcase (sold out); Festival of Small Halls (The Caves and Emu Park).
- Capacity Building Workshops for Community and Sporting Groups delivered in Yeppoon and The Caves.
- Council sponsored events; Emu Park Football Boots & Beats disco; Dance for Brain Health Classes; Yeppoon Running Festival; Fig Tree Creek Markets; Emu Park Lions Picnic Markets; The Country Music Group Town Hall; Yeppoon Tennis Club Pickleball Festival; Marlborough and District Campdraft; Yeppoon Scouts, Scouts 100th Birthday; Capricorn Conservation Council Carring for Country.
- Livingstone Shire Council Events Sponsorship Program Round Two 25/26 opened 7th July.
- Community Centre Icare Friday lunches continue to be a huge success, averaging 100 people per lunch and catered for by donations and volunteers. All are welcome to attend. Next one is 1st August, 12noon.
- First Five Forever, 0-1s Baby Time sessions at Yeppoon Library have been extended to weekly sessions due to high demand.
- Love Bites program delivered at St Brendan's College.



PART F: Service Metrics

Month	Library Visitation	Community	Community Centre	SFC Clients	Yeppoon Town Hall	Emu Park
	(all branches)	Centre Visitation	Volunteer Hours	Supported	Visitation	Cultural Hall
						Visitation
July	10,220	3,723	570	125	2,390	560

Please note, this is a sample of the Community and Cultural Unit's Service metrics. Please advise if there is further data/measures that Council would like to review in future reports.

Page 39 of 84

Risk Management

Date Updated	Risk Details	Existing Controls/Challenges	Required Actions	✓ <u>▲</u> ,×
1st July 2025	Community Centre, Yeppoon Library, SFC Precinct - increased visitation	In progress	- Complete CCTV upgrades.	J
	and significant increase in support need (e.g. domestic and family	- CCTV upgrades	 Continue Monthly Toolbox Meetings to monitor precinct risk 	3
	violence, homelessness, financial distress) resulting in an increase in	Complete	assessment and implement associated controls.	
	antisocial behaviour from some attendees.	 Vegetation management to increase light, line of sight and CCTV 	 Investigate precinct resourcing needs to determine whether 	
		coverage.	this will reduce/mitigate risk.	
		 Communication process with Yeppoon Police regarding 	 Work with Facilities to explore security patrol options. 	
		behavioural risk/persons banned from precinct.		
		Ongoing - Monthly Toolbox Meeting focussed on precinct safety.		
15th July 2025	Social media commentary (external to Council's channels)	 Interim CEO to manage Communications and Engagement team 	- CEO to provide recommendations.	
	misinformation, negative comments/assertions, fake profiles, potential	temporarily.		
	misuse of Council information resulting in reputational damage.	 Communications team continuing to monitor and manage 		*
		Council controlled channels.		
		 Communications team producing positive stories regarding 		
		Council.		
21st July 2025	State Library of Queensland proposed a funding methodology change	 Formal survey completed addressing concerns. 	 Await outcome of survey to determine next steps. 	<u> </u>
	which could impact library budget and collection control.	 Responses provided to LGAQ to include in their formal response 	 Continue to progress Library satisfaction survey. 	
		to the methodology.		

PART G: Executive Summary (Achievements of note, celebrations, recognition of team members, significant change, challenges, emerging trends or significant highlights)

- Application submitted to Community Benefit Fund for improvements to Yeppoon Town Hall AV equipment.
- Application to Community Benefit Fund successful for basketball court improvements in Glenlee Park and handball courts at Merv Anderson Park.
- 500 people attended the Cooberrie Park Reptile Experience and Nursery Plant Display and Sale at Yeppoon Library it was a squeeze but everyone had a great time! See the video here





- Largest NAIDOC celebration on the Capricorn Coast in recent memory in partnership with Capricorn Coast Indigenous Mob. The Yeppoon Library also hosted NAIDOC Week Story Time for the first time connecting with local Elders.
- The Capras All Abilities Inclusive Non-Contact Rugby League program is expanding to the Capricorn Coast with plans in place for a Yeppoon team to join the All Abilities League next year. CDSR working closely with Capras Community Care to support this initiative.
- Keppel Financial Services (Bendigo Community Bank) are partnering with Council again for the delivery of the Community Grants Scheme by contributing \$30,000 in 25/26. Combined with Council's contribution, there is total of \$100,000 for local not for profit community and sporting groups to apply for.
- 2,500 participants in the Yeppoon Running Festival (sponsored by Council).
- Barmaryee Multisport precinct hosted the Challenge Cup (Catholic primary inter-school carnival) with approximately 2,500 students, parents, and spectators at the precinct. Feedback from event organisers has been very positive towards all Council staff involved.
- Round Two of Be Connected technology classes commenced in Marlborough, delivered by the Library Digital Inclusion Officer.
- Newspapers and magazines are now being delivered to Yeppoon Library instead of staff driving to the newsagency and picking them up each day.
- Social Prescribing Trial launched at Community Centre. This is a two year trial exploring the Social Prescribing model at Community Centres in QLD.

Emerging trends / issues:

- A number of community groups (RSL and Yeppoon Show) have expressed a wish to have ongoing financial support for events rather than annual sponsorship. The Events Sponsorship model may need review and hybrid options may be worth considering (e.g., some funds set aside for ongoing events, some set aside for new or one-off events).
- A number of community groups are leaning heavily on community development officers for complex tenure arrangements Keppel Sands Men's Shed (seeking an appropriate location, significant planning complications) and Cawarral Cricket (want an on-site caretaker, also leading to significant planning complications). A review and update of the Community Organisation Tenure policy may be necessary to delineate roles and responsibilities and ensure community development officers are not solely working on tenure arrangements.
- Some licensees at multisport precincts (Barmaryee) continue to be challenging and unsupportive of alternative uses of the facility.
- Library experiencing increased demand for basic computer classes and technology help as well as demand for spaces to hire for job interviews, study areas, working, tutoring, etc.

Challenges

- Measurement system for event participation and facility visitation initial testing has been mildly successful. Work to do on collating timely and consistent data from internal and external stakeholders across the Shire.
- Rates released for E-Notices 11 days prior to issue date.
- Recruiting for 2 x customer support staff members, during rating issue period, can lead to longer wait times and more staff stress.
- Library had record breaking attendance at school holiday activities which highlighted lack of space for such events at Yeppoon Library.
- Library opening hours Late night (Wednesday to 7pm) was lost during COVID 2020. As more events for adults after working hours are being requested, having a late night offering would be great but security is a concern. Will seek input in next satisfaction survey around opening hours meeting the community need.

Icare Pantry

Our Community Centre Pantry is running low. Items needed; Tuna (assorted flavours), Weetbix (small boxes), Vegemite, Tea Bags, Honey, 2 Minute Noodles (chicken), Juice Box's (250ml), Jellied Fruit, Spam/Corned Beef, Shampoo, Toothpaste, Bodywash. Donations can be dropped off at the Community Centre between 9am to 4pm weekdays.

Hooray!

Welcome to Lucy McCoy - new Community Support Worker (casual) at the Community Centre.

Natalie Fletcher - Celebrating 2 years with the Customer Support team.

Patti Wurst – Retirement from Livingstone Shire Council. Patti has been a part of Livingstone Libraries since 2002. All the best Patti!

Farewell to Susan Bayliss - Volunteer at Community Centre - credits the Community Centre for building her confidence in a new work environment leading her to be successful in attaining the Manager role at the Visitor Information Centre.

Page 41 of 84

Monthly Operational Report - July 2025

Communities – Development & Environment





PART A: Section Accountabilities and Team Roles

Manager Development & Environment	Coordinator Development Assessment	Coordinator Development Engineering	Coordinator Local Laws & Compliance	Coordinator NRM
Managing the development compliance and environmental responsibilities and activities for the Shire	To achieve quality land use outcomes through the assessment of development applications and assisting the community to understand the development framework.	Provision of consistent conditioning, assessment, inspection, and acceptance for contributed assets.	[Key Responsibilities] Regulate and enforce Councils suite of Local laws. Provide environmental health, land use compliance and pest and vector management activities that protect the health of the community and environment.	To facilitate, promote and demonstrate sustainable natural resource management.
Accountabilities	Accountabilities	Accountabilities	Accountabilities	Accountabilities
SBPO Accountability	SBPO Accountability	SBPO Accountability	SBPO Accountability	SBPO Accountability
B Animal Regulatory Service	O Administration of Council's	Q Building Over/Near Relevant	O Administrative Action Complaints and	B Environmental Governance Frameworks
B Building Services (Public)	Planning Scheme	Infrastructure Application	Responses	B Flying Fox/Bats Management
B Commercial Building Codes	O Collaborate work with Growth	Assessments	O Building Compliance	8 Shoreline Land Improvement Plans
Management	Management and Development	O Capricorn Municipal Development	O Community Education (Public	B UPSS - Old Fuel Systems
B Developer as Constructed	Compliance	Guidelines Review	Environment Matters)	O Approval of Requests to burn roadside
Compliance	O Coordination of technical input	O Management Operational Works	O Compliance Notices - Planning,	O Assess environmental impacts and
B Developer/Builder Forums	from other Council departments	Construction	Building, Plumbing	condition mitigation measures for
B Development and Management of	on development matters		O Infringement and Notices (Building,	relevant development applications
Strategic Land Planning Statement	O Driveway Approvals		Plumbing, Planning)	O Community Events - NRM
B Development Services	O Ensure compliance,		O Infringement Review	O Cycad Contract Management
Investigations	administration and		O Parking and Traffic Regulatory Service	O Environment and Regulatory Taskforce
B Environmental Sustainability	implementation of development		O Parking System	Meetings
B Food Safety	permits, the planning scheme, and		O Pest Management (Plants, Animals,	O Environmental Assessments and Audit
B Fruit Fly Control Management	relevant legislation fincluding		Biosecurity)	O Environmental Partnerships and
B Illegal Dumping	updates/changes)		O Pest Management Contracts (TMR)	Programs
B Intergovernment Relations -	O Infrastructure Agreement -		O Planning Compliance	O Funding Applications - NRM Projects and
Planning and Environment	Negotiation, Preparation, Monitor,		O Plumbing Compliance	Initiatives
B LG Act Approvals (eg: Caravan	Execution		O Public and Environmental Health	O Host - Volunteers (Friends of the Beach,
Parks)	O Manage Council's interest in Court		O State Legislation - Public Environment	Lammermoor Native Gardens)
B Management of Environmental	Proceedings - P and E		O Vector Management - (Misting and	O Inspect Fire Traits, assist DM Bushfire
Regulation	O Management of Infrastructure		Surveillance)	Officer with fire hazard annual audit
B Management of Heritage Services	Charges and Bonds		P Local Law Review	O Install and Maintain fire service access
B Management of Landscape				gates on fire trails
Approvals				O Internal Environmental Advice
B Mosquito Population				O LSC Community Events (National Tree
B Natural Bushland				Day, Clean Up Australia Day, Turtle hour
B Natural Bushland Development				etc)
and Management				O Maintain Volunteer Programs
B Parking Enforcement				O Partnership Programs (Capricornia
B Pest Management				Catchments, Skilling Queenslanders for
B Planning Advisory Services				Work, Capricorn Coast Landcare Group)
B Planning and Environment				O Reef Guardian Council Program (Action
Administration				Plan, Technical Working Group Meetings)
B Planning Services Investigations				Page 42 of 94

Monthly Operational Report - July 2025

Communities - Development & Environment

Page 42 of 84

8	Planning Services Management	es Management.	O Rehabilitation - LSC Natural Assets a
B	Pollution Regulation	ation	Ecosystems/Coastal Foreshore,
В	Private Building Compliance	Compliance	endangered plants and waterways
	Management		O Request to Burn Road Reserves
В	Private Trees Management	anagement	Approvals
В	Public Health (Water) Management	Vater) Management	O Sustainable Livingstone Program
В	Regulatory Service Management	ice Management	Education (Schools/Community Grou
В	Road Opening Application Register	Application Register	
В	Statutory Planning	ing	O Urban Flying Fox Roost Management
В	Statutory Planning Management	ing Management	Plans and Actions
В	Strategic Land Planning Statement		O Urban Wildlife Management (Approve
В	Subdivision Planning Management		Species Management Plan and Dama
В	Subdivisions Regulatory	THE PARTY OF THE P	Mitigation Permit)
В	Unauthorised Activity		O Waste Strategy Actions
В	Unauthorised Activity (Fires,		P Biodiversity Mapping - Planning Scher
	Firewood, Camping)		P Bushfire Mitigation Projects
В	Vertebrate Pest Management		P Coordinate Marine Turtle Protection
В	Weed Action Plan (Rural and		P Fig Tree Creek Masterplan
	Urban)	6.000	P Green Firebreaks (Trial sites installati
В	Local Environmental Plan	ental Plan	and maintenance)
	Preparation		P Marine Turtle Protection (Fox Control
В	Public Health		P Nature Based Resilience Projects
P	Local Law Review	ew e	P Ongoing rehab and mitigation project
P	Structure Planning		eg: protected plant projects (Cranny's
-			Road and Coowoonga Road)
			P Pandanus dieback monitoring and
			treatment (biannual survey)
			P Reef Guardian - On ground Rehabilita
			~ Our Living Coast and Oxford Road P
			Water Quality
			P Rehabilitation and mitigation projects
			P Revegetation degraded areas after wo
			weed control - Famborough Beach

PART B: 5 Year Delivery Program and 1 Year Operational Plan

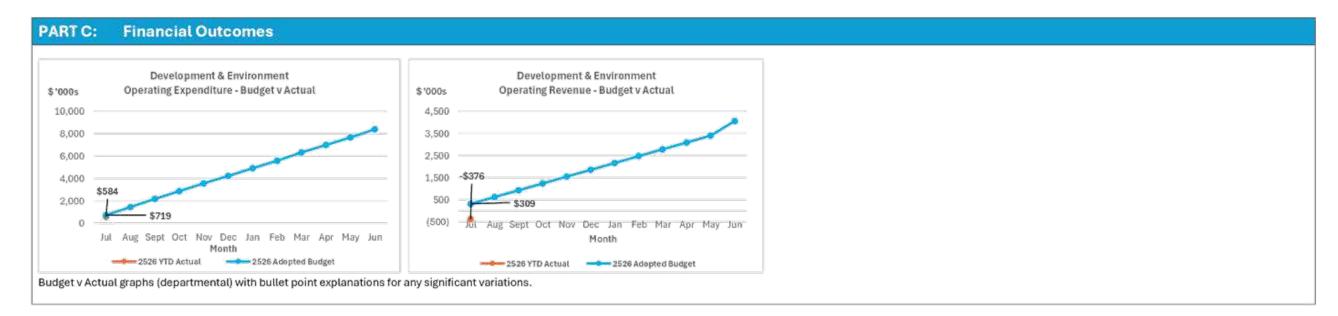
OP Ref	5 Year Delivery Program 2025 - 2030	Council's Role	Performance Measure	Performance Me	asure Target			Responsible		Responsible Officer		1						Comments		
				2025 – 26	Baseline	Interim (2026 – 27)	2030		1	2	3	4	5							
	 NATURAL ENVIRONMENT Encourage community and 		adopt sustainable practices																	
2.1.1	Reduce carbon emissions	Provider	Measures the reduction in carbon emissions	Reduction from baseline	27,346 t CO2- e/year	Reduction from baseline	Reduce by 30%	S: GM Communities B: Manager Development & Environment P: NRM & Sustainability Officer O:Coordinator NRM	~	~	~	~	~	Long term project – undertaking small pilot projects, street lighting and solar BBQ	✓					

2.1.2	Document and establish a measurement system to enable frequent reporting on carbon emissions	Provider	Measurement system implemented	Baseline to be established				S: GM Communities B: Manager Development & Environment P: NRM & Sustainability Officer O:Coordinator NRM	~					Council has joined the climate alliance with other Councils – awaiting appointment of regional analyst	✓
2.1.3	Maintain community volunteer programs and external partnerships	Provider	Volunteer numbers and hours worked in identified sites	Maintain baseline	115 Volunteers (35,810 hours)	Maintain baseline	Maintain baseline	S: GM Communities B: Manager Development & Environment P: Vegetation Rehabilitation Technical Officer O:Coordinator NRM	~	~	~	>	>	Ongoing – friend of the beach program and skilling Queenslanders for work traineeships	1
2.1.4	Actions identified in the Livingstone Reef Guardian Action Plan completed: - Our Living Coast Restoration: Bangalee and Todd Avenue Project; - Oxford Street Water Quality and Habitat Restoration Project; and - Yeppoon Solar Retrofit Project	Provider	Actions identified for 2025-26 completed	100% of actions identified for 2025-26 completed	100% of actions identified for 2025-26 completed	100% of actions identified for 2026-27 completed	100% of actions identified completed	S: GM Communities B: Manager Development & Environment P: NRM & Sustainability Officer O:Coordinator NRM	~	~	~	~	~	Reef Guardian action plan projects underway – Oxford Street and Farnborough Beach	✓
2.1.5	Deliver events or clean- up projects that target sustainable practices and pollution control e.g. sediment and erosion control, rubbish clean ups	Provider	Conduct post-event/project surveys to measure satisfaction levels of participants	75% satisfaction		80% satisfaction	85% satisfaction	S: GM Communities B: Manager Development & Environment P: NRM & Sustainability Officer O:Coordinator NRM	~	~	~	~	~	Partner with Landcare and other community groups – Great Northern clean up in October '25	✓
2.1.6	Establishing an urban flying fox roost monitoring program across four roosts	Provider	Monthly monitoring of roosts	12 inspections across 4 roosts		12 inspections across 4 roosts	12 inspections across 4 roosts	S: GM Communities B: Manager Development & Environment P: NRM Project Officer O:Coordinator NRM	~	~	~	~	~	Flying Fox Management Plan complete – obtaining support from the State through a State grant application underway	1
The second secon	- NATURAL ENVIRONMENT	ne's prieting	natural environment through rol	ust planning and	policies										
2.2.1	Coastline preservation	Facilitator	Reduction in the risk assessment ratings for the special places and infrastructure exposed to coastal hazard impacts	Establish baseline	To be documented / established in 2025–26	Maintain or improve from baseline	Maintain or improve from basetine	S: GM Communities B: Manager Development & Environment	~	~	~	~	~	2 Semp's and Management plans to be undertaken this year	1

Attachment 1

	AT .				1		ľ	D. STOKE B	1						1
								P: NRM & Sustainability							
								Officer							
								O:Coordinator							
								NRM							
2.2.2	Document and establish	Provider	Measurement system	100%				S: GM	~			-		Scoping to be undertaken with	1
	a measurement system		established and implemented					Communities	`					Infrastructure department in August '25	*
	to enable frequent							B: Manager							
	reporting on coastline							Development &							
	preservation activities							Environment							
								P: NRM Project							
								Officer							
								O:Coordinator							
								NRM	-				\square		\perp
2.2.3	Development of Site	Provider	Site Management plans created	100%				S: GM	~	~				Cooee Bay postponed by 1 Year - other	√
	Management Plans for							Communities						2 to be undertaken this year	
	Emu Park Main Beach, Cooee Bay Main Beach							B: Manager							
	and Muskers Beach							Development & Environment							
	and Pluskers Beach							P: NRM Project							
								Officer							
								O:Coordinator							
								NRM							
2.2.4	Development of Site	Provider	Site Management plans created			100%		S: GM		~				Reef Guardian Project through to March	1
	Management Plans for							Communities						'26	1
	Bangalee and Todd							B: Manager							
	Avenue foreshores							Development &							
								Environment							
								P: NRM Project							
								Officer							
								O:Coordinator NRM							
2.2.5	Development of Site	Provider	Site Management plans created					S: GM	\vdash	-	~			Nature Based solutions project being	1
2.2.0	Management Plans for	rioridor	in 2027-28					Communities			•			undertaken Lammermoor Beach	V
	Kinka, Zitzie and							B: Manager							
	Lammermoor beaches							Development &							
								Environment							
								P: NRM Project							
								Officer							
								O:Coordinator							
								NRM	-						\perp
2.2.6	Actions identified in the	Provider	Actions identified for 2025-26	100%	2 actions	Actions	Actions	S: GM	_	~	~	~	~	ESC issues discussed with Councillors,	✓
	Biodiversity Strategy		implemented within identified		completed	identified	identified	Communities						Sustainable Expo initial planning	
	completed ie Deliver bi-		timeframes and budget			implemented	implemented	B: Manager						underway	
	annual Sustainable Livingstone Expo and					within timeframes	within timeframes and	Development & Environment							
	develop and implement					and budget	budget	P: NRM Project							
	erosion and sediment					ans budget	Baabot	Officer							
	control initiative							O:Coordinator							
								NRM							
	VIBRANT CULTURE & HEA		UNITY re planning and urban design activ	vities that support	growth, liveabilit	v. and sustainab	itity								,,
3.1.4	Concept design of	Advocate	Project to be completed in					S: GM			~			Project to sit with Manager Community	1
	Council Civil Centre and		2027-28					Communities						and Cultural	[*]
	Library							B: Manager							
														4	
								Development & Environment					1		

3.1.12	Undertake review and amendment of: - Capricorn Municipal Development Guidelines; - Livingstone Planning Scheme; - Local Government Infrastructure Plan; and - Adopted Infrastructure Charges Resolution	Provider	Report received by Council	100%			P: Manager Development & Environment O: S: GM Communities B: Manager Development & Environment P: O: Coordinator Development Engineering	~			Scoping being undertaken	✓
	- VIBRANT CULTURE & HEA									 - 10		*
3.5.4	Develop an Animal Management Strategy	Provider	ing, safety, and natural disaster r Adoption by Council	50% of strategy completed			S: GM Communities B: Manager Development & Environment P: O: Coordinator Community Compliance	~	~		Research being undertaken to benchmark against other councils	1
			ROGRESSIVE LEADERSHIP defends in the bes	t interest of the co	ommunity							
4.2.2	Partner with State Government and Rockhampton Regional Council to deliver a northern corridor structure plan	Provider	Structure plan complete and embedded into the Planning Scheme	50%		100%	S: GM Communities B: Manager Development & Environment P: Manager Development & Environment O:	~	~		Structure plan final document is near completion	1



PART D: Project Status

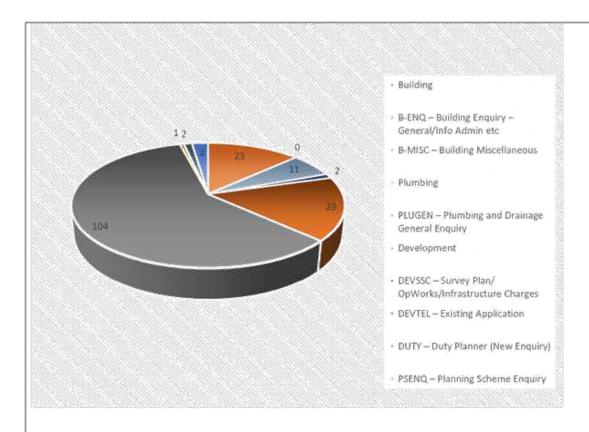
PROJECT	COMMENTS	√ <u>∧</u> X
Local Law Review	Most matters finalised – driving on beaches still under review	1
Biodiversity Mapping – Planning Scheme	MLES study still being undertaken – results to be rolled into Planning scheme review process	1
Bushfire Mitigation Projects	Staff working internally – NRM and BRO, weed management undertaken on Trails	1
Coordinate Marine Turtle Protection	Signage for turtle season -will be erected in October	1
Fig Tree Creek Masterplan	Lex Semple Park Project underway	1
Green Firebreaks (Trial sites installation and maintenance)	Bungdundarra Road and Preston road - Site Maintenance on going	1
Marine Turtle Protection (Fox Control)	Fox Den Project scheduled for September	1
Nature Based Resilience Projects	Lammermoor Beach – LB 12 will be reopened in August	1
Ongoing rehab and mitigation projects eg: protected plant projects (Cranny's Road and Coowoonga Road)	Ongoing maintenance sites continuing	1
Pandanus dieback monitoring and treatment (biannual survey)	Contractor just completed 1 of the biannual surveys and treatment	1
Reef Guardian - On ground Rehabilitation - Our Living Coast and Oxford Road Park Water Quality	Ongoing until March 2026	1
Rehabilitation and mitigation projects	Omya and Clarke Creek – work continuing	1
Revegetation degraded areas after works, weed control - Farnborough Beach	Ongoing repairs, maintenance and monitoring – weekly project	1

PART E: Business as Usual

DA works continuing with upswings being noted

PART F: Service Metrics

Activity	July 2025	
CUSTOMER REQUESTS	Received	Completed
Building		
B-ENQ – Building Enquiry – General/Info Admin etc	23	19
B-MISC – Building Miscellaneous	0	2
Plumbing		
PLUGEN – Plumbing and Drainage General Enquiry	11	16
Development		
DEVSSC - Survey Plan/ OpWorks/Infrastructure Charges	2	2
DEVTEL – Existing Application	29	27
DUTY – Duty Planner (New Enquiry)	104	114
PSENQ – Planning Scheme Enquiry	1	2
PSSUC – Planning Scheme Submissions	2	0
Development Engineering		
DEVBOS – Development – Building Over Council Infrastructure	4	4



APPLICATIONS			
Building			
Application decided Building (Private Certifier)	16		
Building (average) days	12	Min - 1	Max - 202
Building and Plumbing Searches	35		
Building Inspections	106		
Plumbing			
Applications Lodged Plumbing	25		
Applications decided Plumbing	26		
Plumbing (average) days	6	1	13
Plumbing Inspections	101		
Development			
Applications Lodged	31		
Applications decided	29		
Development (average) days	21	Min days - 0	Max - 98
Development Engineering			
BONRI - Applications Received	0		
Applications Completed	0		

PLANNING CERTIFICATES			
Limited Planning Certificates	21	22	
Standard Planning Certificates	0	0	
Full Planning Certificates	0	0	

Risk Management

Date Updated	Risk Details	Existing Controls/Challenges	Required Actions	√ <u>∧</u> X

PART G: Executive Summary (Achievements of note, celebrations, recognition of team members, significant change, challenges, emerging trends or significant highlights)

Monthly Operational Report - July 2025

Communities - Parks & Facilities



PART A: Section Accountabilities and Team Roles

Mana	ger Parks & Facilities	Coord	inator Facilities Management	Coord	linator Parks & Open Spaces	Princ	ipal Property Officer
and co across and op To mai space Comm recrea	intain and service a variety of council or munity buildings and facilities in the shire that are safe, accessible perate efficiently. Intain Council's parks and open is, cemeteries and Council's nurity nursery, providing a visual and ational experience to the community sitors to our region.						
Accou	ıntabilities	Accour	ntabilities	Accou	ntabilities	Acco	untabilities
SBPO	Accountability	SBPO	Accountability	SBPO	Accountability	SBPO	Accountability
B	Administration of Council	В	Aquatic Services (Pools)	В	Aerodrome Management	В	Commercial Leases
	Property Portfolio	8	Asbestos and Hazardous Materials Register	В	Building Capital Works Development and	В	Leasing Management
В	Administration of	В	Building and Facilities Cleaning Management		Delivery	0	Administration of Council Property
	State/Reserve Land	В	Building and Facility Operations	В	Cemeteries Management		Portfolio
В	Caravan Parks Management	В	Building Emergency Evacuation Pl	В	Horticultural Services	0	Caravan Parks Management
	Dividing Fence Contributions	В	Building Services Management	В	Landscape Approvals	0	Administration of State/Reserve Land
8	adjoining Council Property	В	CCTV	В	Management of Town Maintenance Areas	0	Dividing Fence Contributions
	Portfolio	В	Community Cultural and Heritage Buildings	В	Management of Volunteer Program		adjoining Council Property Portfolio
	Encroachments into Council	В	Corporate Asset Management Systems	В	Open Space Planning and Management	0	Native title
В	property portfolio		Operations	В	Open Spaces		Applications/Determinations
	Land Disposal and	В	Council Building (Pre 2004) Asbestos Register		Parks, Open Spaces and Biosecurity, small	0	Encroachments into Council's
8	Acquisition (Except Infra.)	В	Council Car Wash (Carpark)	8	plant equipment management		Property Portfolio
В	Native title	В	Depot Facilities and Operations	В	Planning and Management of Horticulture	0	Property Purchases and Disposals Tenure Management (commercial,
В	Applications/Determinations Property Purchases and	В	Facilities Security and Access	-	Services Public Trees		community, telecommunications and
D	Disposats	В	Facilities Security Management	0	All Vegetation Management - Rural and		other leases)
В	Development and	В	Fire Apparatus		Urban		Valor (Sasos)
"	Management of Aquatic	В	Fire Extinguishers & Equipment- Contract, Servicing and Maintenance	0	Development and Management of		
	Services	В	Management of Playgrounds		Cemeteries		
8	Development and	B	Management of Town Maintenance (Public	0	Horticultural Services		
	Management of Cemeteries		Furniture - P & G)	0	Landscape Approvals		
В	Heritage Services	В	Management of Town Maintenance (Public	0	Open Space Long Term Planning and		
			Furniture - Transport)	1	Management		
-		В	Multi Story Carpark	0	Planning and Management of Horticultural		
		В	Open Space amenity buildings and facilities	0	Public Trees - Urban Areas		
	 		development and management (public amenities, structures, BBQ's and Furniture)	P	Design/Relocate Nursery - Botanical		
	 	В	Pest Management (Building) Management	1	Gardens		
-			Playgrounds, sports fields, amphitheatre,	Р	Street Tree Program		
		8	pavilions, storage sheds (Public)		TOTAL STATE OF THE		
		В	Property (Building and Facilities) Operations				
			Management				
		В	Public Conveniences				

Monthly Operational Report - July 2025

Communities - Parks & Facilities

Page 50 of 84

Attachment 1 Page 219

	Public Domains (Furniture, Fountains, Bubblers,
В	Shade Structures) exc footbridges, cycleways and
	paths
В	Renewable Energy
8	Safety Equipment Compliance (Buildings)
	Waterside infrastructure (jetties, retaining walls,
В	boat ramps, pontoons, splash parks, all access
	and general waterside amenity)
0	
	- Facilities
0	Property (building and facilities) operation
	Management
\vdash	Piditogotioni
\vdash	
<u> </u>	

PART B: 5 Year Delivery Program and 1 Year Operational Plan

OP Ref	5 Year Delivery Program 2025 - 2030	Council's Role	Performance Measure	Performance Measure Target Responsible Officer Comments		Comments	×								
				2025 - 26	Baseline	Interim (2026 – 27)	2030		1	2	3	4	5		
	VIBRANT CULTURE & HEAI Deliver strategic land use, i		UNITY e planning and urban design activ	vities that support	growth, liveabilit	y, and sustainabi	lity								
	Placemaking and Urban Design Program - Street Tree Strategy and Parkscaping	Provider	Develop a street tree strategy	100%				S: GM Communities B: Manager Parks & Facilities P: Manager Parks & Facilities O: Coordinator Parks & Open Spaces	~					Not yet commenced – Coordinator Open Spaces once recruited, will work with internal stakeholders to develop a survey for staff and users.	1
	VIBRANT CULTURE & HEAL		UNITY courage community activation												

Monthly Operational Report – July 2025

Communities – Parks & Facilities

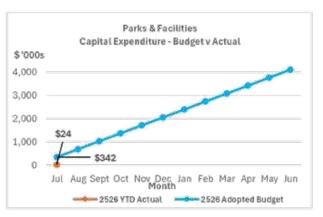
Page 51 of 84

3.2.3	Conduct a service level review for parks mowing and roadside slashing - VIBRANT CULTURE & HEA	Provider	Report presented to Council by December 2025	100%				S: GM Communities B: Manager Parks & Facilities P: O: Coordinator Parks & Open Spaces	~		Work has commenced in developing a scope of work and it is proposed to provide a report for Councillors at the September briefing session prior to procuring a consultant.	√
3.3			onar a sporting and recreation opportun	ities to encourage	community parti	cipation and that	contribute to well	being				
3.3.2	Document and establish a measurement system to enable frequent reporting on specific community facilities	Provider	Measurement system established and implemented	100%				S: GM Communities B: Manager Parks & Facilities P: Coordinator Facilities Management O: Coordinator Facilities Management	~		Not yet commenced –Coordinator Facilities once recruited will work with internal stakeholders to develop a survey for staff and users.	*
3.3.3	Evaluate accessibility of Council buildings and public spaces. Engage an accessibility consultant to evaluate accessibility performance of Council buildings and public spaces	Provider	Project completed within allocated budget and timeframe	100%				S: GM Communities B: Manager Parks & Facilities P: Coordinator Facilities Maintenance O:	~		Not yet commenced.	✓

PART C: Financial Outcomes









Budget v Actual graphs (departmental) with bullet point explanations for any significant variations.

PART D: Project Status

PROJECT	COMMENTS	√ 🛦 X
Paramount Park Playground	The playground at Dick Olive Park opened during July. The playground provides various items of play equipment for children aged 1 through to 15 years. A bird nest swing has been installed that caters for all abilities. Soft shade is provided over the playground and a shade shelter and accessible picnic table adjoins the playground. 1st stage footpath has been provided from the walkway connecting to the playground.	✓
Yeppoon Town Hall Air Conditioning Renewal	Anderson's Consulting have been engaged to review existing A/C plant details to assist with a design and specification document for the air conditioning replacement.	V 01 01

Monthly Operational Report - July 2025

Communities - Parks & Facilities

Attachment 1 Page 221

The Rock's Air Conditioning Renewal	The contractor is on site undertaking works. The program appears to be running a few weeks behind schedule.	<u> </u>
Beaman Park Amenity Upgrade	Working with tenders to prepare invitation to quote.	✓

PART E:	Business as Usual						

PART F:	Service Metrics

Risk Management

Date Updated	Risk Details	Existing Controls/Challenges	Required Actions	✓ ▲ X

PART G: Executive Summary (Achievements of note, celebrations, recognition of team members, significant change, challenges, emerging trends or significant highlights)

Risk identified by Parks Team in working near roads in high speed zones (60+km zones). Open Spaces supervisors and technical officers are working with Council's Safety team and traffic management consultants to develop safe work procedures and site specific controls. Key staff have been identified and attending training in temporary traffic management implementation.

Council's Nursery Assistant, Ms Kylie Johnston was nominated for and won the Vocational Student of the Year award for her qualification in Certificate III in Horticulture through CQUniversity Australia. Kylie will now travel to Brisbane to attend the state finalist awards ceremony on 13 September 2025.

A new cleaning contract was awarded in July. The cleaning contract services Emu Park, Keppel Sands, and Northern Suburbs of The Caves, Glenlee and Glendale, and Yaamba public amenities.

Work has commenced on tender preparation for Fire Equipment and Systems Servicing and Air Conditioning Servicing. The current contracts expire in September 2025.

Facilities and Economic Development worked jointly to prepare an application to extend the CBD CCTV to provide surveillance from the James and Mary Street intersection through to the James and Arthur Street intersection. The grant program is Secure Communities Partnerships Program Round 1 – June 2025.

The Parks and Facilities team have two Carpentry and one Trades Assistant position advertised. Due to vacancies in the carpentry team, only urgent and prioritised work has been undertaken during the month of July. Parks have three vacant positions – one Gardener and two Plant Operator / Labourers positions. Open Spaces is recruiting for these permanent positions as well as casual positions.

The side-arm tractor has been out of service for the month of July - this will cause delays to the side arm work program. Fleet are working with the manufacturer as this is a warranty issue.

Two replacement trucks have arrived for the open spaces in July.

Attachment 1 Page 222

Monthly Operational Report – July 2025 Transport & Utilities Directorate





General Manager Accountabilities and Key Performance Indicators

General Manager Transport & Utilities

Responsible for overseeing and providing direction for the maintenance and servicing of Council's transport, drainage, water, and waste infrastructure to ensure assets are safe, efficient, and compliant with relevant standards.

Accountabilities SBPO Accountability

S	Grant Sourcing Strategy
S	Infrastructure
	Administration - Internal and
	External Clients
S	Intergovernment Relations -
	Infrastructure
S	Marine Infrastructure
S	Quality Management
S	Retaining Wall Strategy
S	Road Inspections
S	Sewer
S	Strategy for Driveways and
	Crossovers
S	Storm Tide Mapping
S	Transportation Network
	Inspections, Planning and
	Delivery
S	Waste
S	Waste to Energy Strategy
В	Corporate Asset Systems
	Maintenance Operations
В	Infrastructure
	Administration Management
B	Intergovernment Relations -
	Infrastructure

Key Performance Indicator/s 2025/2026	Target Date	Evidence/Comments	✓ <u>▲</u> 🗙
Contribute to driving a performance culture through achievement of Capital Works targets (90% delivery).	30 June 2026	Refer to business unit reports.	1
Deliver cost effective services within approved operating budget (+-5%)	30 June 2026	Refer to business unit reports.	1
Improve customer experiences through closing out customer requests on time (90%) .	30 June 2026	Refer to business unit reports.	1
Proactively contribute to the safety, health and wellbeing of our people (<12LTIFR).	30 June 2026	Lost Time Injury Frequency Rate to end of June 2025 is 10.56	✓
Increase employee attendance (annual attendance >95%).	30 June 2026	95% attendance to end of June 2025	1

Monthly Operational Report – July 2025

Transport & Utilities Directorate

Transport & Utilities Directorate

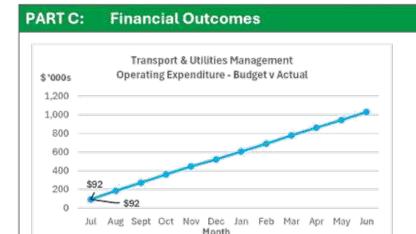
PART A: Section Accountabilities and Team Roles

Manager Civil Works **Manager Major Projects Manager Water and Waste Operations** To maintain and service a variety of council owned transport and drainage assets To effectively manage the delivery of Council Infrastructure Projects on Provide critical and essential water and waste services which meet health and across the shire ensuring they are safe, fit for purpose and operate efficiently. To behalf of various internal stakeholders. environmental regulations and satisfy community expectations. maintain allocated state control roads within the Livingstone Shire boundaries Delivering sustainable and essential resource recovery and waste services to the (except Bruce Hwy and Marlborough-Sarina Rd) and undertake adhoc community and provide opportunity for the community to transition to a circular construction projects for Transport & Main Roads and others. economy. Accountabilities Accountabilities Accountabilities SBPO Accountability SBPO Accountability SBPO Accountability SBPO Accountability **Building Capital Works Management** Boat Ramp Management Road Inspections Concealed Leaks (Pontoons) Infrastructure Project Stakeholder Engagement Liquid Trade Wase Management B Bridge Maintenance Road Maintenance B Major Projects Delivery В Minor Capital Works - Water and Waste Management Management (Sealed and Major Projects Legislative Compliance and Quality B Potable Water Development and Management Unsealed - Rural and Urban) Assurance B Private Works (Connections) Road Safety Program Bridges and Structures В Project Delivery Risks and Mitigation Strategy B Raw Water Management. Management Inspections Project Management Process Update B Recycled Water B Carcass Removal Road to Recovery Program Projects Budget Management Recycled Water Metering 8 Construction Works Roadside Furniture (Shelters, B Projects Portfolio Management Repairs and Maintenance-Water and Waste 8 Projects and Safety Plans Road Signage, Line Marking, B Sustainability and Innovation approach in project delivery B Delineation) P Change Management - Infra. Projects Sewer and Water Plant Management B Dead Animals Side of Rural Small Plant Equipment P Cost Management - Infra, Projects Sewer System Development and Management B (Construction and D Geotechnical Infrastructure and Soil Testing for Projects Sewerage Collection/Transfer B Maintenance) P Project Communications Management B Sewerage Systems Footpath Inspections -Storm Water Pump & P Project Governance Reporting B Sewerage Treatment Maintenance Drainage Network P Schedule Management В Trade Waste Footpaths Stormwater Pipe Network P Stakeholder Management В Waste Management Street Sweeping Grading Program Water and Waste Administration B Gravel Pits - Development 8 Streetlights B Water Collection/Supply and Management Water Meter Application Register B Gross Pollutant Traps B TIDS Water Metering B Illegal Dumping B Traffic Lights Water Meters B Kerb and Guttering B Traffic Management (Works) Water Quality and Reuse - Development and Management Maintenance Condition Transport Asset Inspections B Water Transfer and Reticulation B Inspections Water Treatment B Manager of Road to Water Extraction Administration - Water and Waste (Fees, Charges, Meter Recovery Program Reading, CR's, High Water Usage, Dispatch, Rebate Marine Infrastructure Works Project and Safety Plan Assessments, Private Works) Inspection Reporting to Regulators/EA Licence 0 Private Works (Road Delivery of Road to Recovery Community Consultation - Water Engineering 0 Projects Program Water and Waste Advice 0 Quarry Environmental Project Coordination - Water Engineering Administration and Compliance Road Drainage Management

Attachment 1 Page 224

PART B: 5 Year Delivery Program and 1 Year Operational Plan

The General Manager Transport and Utilities does not have any direct deliverable outcomes in the Community Plan 2030 or the Operational Plan 2025 - 26. Responsibility for delivering the relevant outcomes rests with the Manager Civil Works, Manager Major Projects and the Manager Water and Waste Operations.



Budget v Actual graphs (departmental) with bullet point explanations for any significant variations.

2526 Adopted Budget

PART D: Project Status

2526 YTD Actual

PROJECT	COMMENTS	√ <u>∧</u> X
For specific details regarding projects,	refer to the relevant business unit Monthly Operational Report	

PARTE: Business as Usual

PART F: Service Metrics

Monthly Operational Report – July 2025

Page 56 of 84

Transport & Utilities Directorate

Risk Management

Date Updated	Risk Details	Existing Controls/Challenges	Required Actions	✓ <u>^</u> ×
31.7.2025	Delivery of capital works projects for 25/26	Very large program with a number of projects externally funded. Costs and Schedule will need to be closely monitored to achieve delivery.	Corporate reporting system to be updated with all projects in the 25/26 budget and assigned to delivery business units to understand portfolio schedule and resource needs.	<u> </u>

PART G: Executive Summary (Achievements of note, celebrations, recognition of team members, significant change, challenges, emerging trends or significant highlights)

The new corporate structure 'stood up' on 7th July and there has been good discussion between business units on the accountabilities redistribution, workflow ownership and alignment with business processes. This review will continue over the coming months as new issues emerge.

Monthly Operational Report – July 2025

Transport & Utilities Directorate

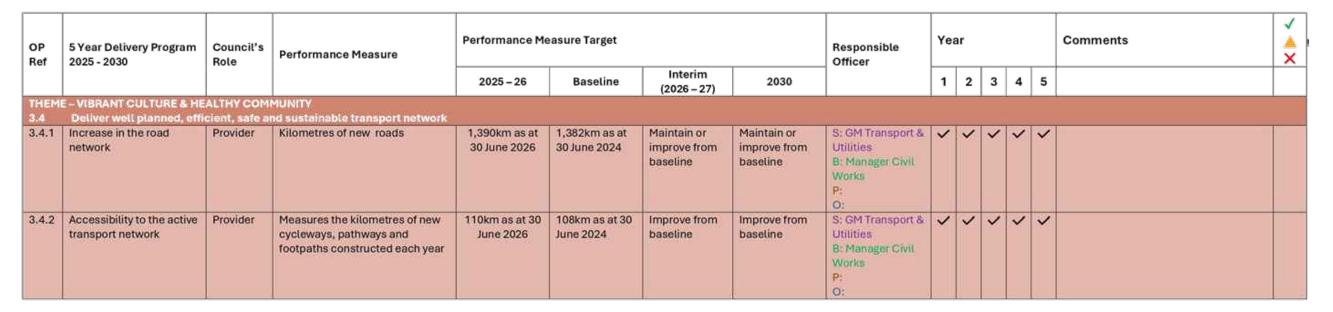
Monthly Operational Report - July 2025 Transport & Utilities Directorate - Civil Works



PART A: Section Accountabilities and Team Roles

Manager Civit Works To maintain and service a variety of council owned transport and				Coord	linator Rural Operations	Coordinator Urban Operations Delivery of \$6.85M of capital road works, \$1.5M of capital water & sewer works and \$2.2M of maintenance works			dinator Technical Services	Provide administration support to all of Civil Works			
To maintain and service a variety of council owned transport and drainage assets across the shire ensuring they are safe, fit for purpose and operate efficiently. To maintain allocated state control roads within the Livingstone Shire boundaries (except Bruce Hwy and Marlborough-Sarina Rd) and undertake adhoc construction projects for Transport & Main Roads and others.			\$4.03N \$1.05N	y of \$6.8M of capital works, 1 of maintenance works, 1 of RMPC works for TMR .35M of private works for	inator all 6 Technical Officers I Works. on is currently vacant.								
Accou	ntabilities			Accou	ntabilities	Accou	ntabilities	Accou	ntabilities	Acc	ount	tabilities	
SBPO	Accountability	SBPO	Accountability	SBPO	Accountability	SBPO	Accountability	SBPO	Accountability	SBI	PO	Accountability	
В	Boat Ramp Management (Pontoons)	В	Road Drainage Management	0	Bridge Maintenance - Rural Construction and	0	Bridge Maintenance - Urban Construction and Maintenance of	8	Ancillary Transport	SOURCE COMP.	0	Grant Funding Management - Construction and Maintenance	
В	Bridge Maintenance Management	В	Road Inspections		Maintenance of Ancillary Transport Infrastructure		Sealed Road Program (Sealed and Unsealed)	В	Coastal Management District - CMD		Ō	RMPC Contracts Delivery Administration	
В	Bridges and Structures Inspections	В	Road Maintenance Management (Sealed and Unsealed - Rural and	0	Construction and Maintenance of Rural Road	.0	Foot Path Construction and Maintenance		Environmental Approvals - DA's		0	Road Closures - Updating Guardian Road Infrastructure Agreement	
В	Carcass Removal	В	Urban) Road Safety Program Management	0	Program (Sealed and Unsealed) Grading Program Delivery	0	Infrastructure Ferward Works Pipe Culverts and Storm Water Construction	B B	Gates and Grids Heavy Vehicle Permits Public Car Parking		Ó	Reporting and Invoicing Works Administration	
8	Construction Works Projects and Safety Plans	В	Road to Recovery Program	0	Gravet Pit Delivery Service Infrastructure Forward	-	Ovistraction	B	Rurat Addressing Traffic Management				
В	Dead Animals Side of Rural Road	В	Roadside Furniture (Shetters, Road Signage, Line Marking, Detineation)	0	Works Pipe Culverts and Storm Water Construction			0	Works in Road Reserves Customer Requests - Internal/External				
В	Footpath Inspections - Maintenance	В	Small Plant Equipment (Construction and Maintenance)					0	Public Transport (Buses and Bus Stops)				
В	Footpaths	В	Storm Water Pump & Drainage Network					0	Road Safety Audits Traffic Counts				
В	Grading Program	В	Stormwater Pipe Network					0	Maintenance of Stormwater				
В	Gravel Pits - Development and Management	В	Street Sweeping										
В	Gross Pollutant Traps	В	Streetlights										
B	Hiegal Dumping	В	TIDS										
В	Kerb and Guttering	В	Traffic Lights										
В	Maintenance Condition Inspections	В	Traffic Management (Works)										
В	Manager of Road to Recovery Program	B	Transport Asset Inspections										
В	Marine Infrastructure Inspection	В	Water Extraction										
В	Private Works (Road Projects)	8	Works Project and Safety Plan										
В	Quarry Environmental. Administration and Compliance	0	Delivery of Road to Recovery Program										

PART B: 5 Year Delivery Program and 1 Year Operational Plan



PART C: Financial Outcomes





Budget v Actual graphs (departmental) with bullet point explanations for any significant variations.

PART D: Project Status

#	PROJECT	COMMENTS	√ <u>∧</u> X
	E-bike parking racks	Installation of this 2024-25 project continues in July of 2025	1
	Reseal Programs	2024-25 reseal program continues in July of 2025 with immediate follow on to the 2025-26 reseal program to occur	1
	Ocean Park Ave LATM's	This 2025-26 project has been completed in July well under adopted budget	1
	Normanby St upgrade	Continuation of the multi-year project with underground services being installed in July of 2025	<u> </u>
	Scenic Hwy Right Turn Lane	Continuation of this 2024-25 project into July & August of 2025	1
	Resheet Program	The 2025-26 resheet program commence in July 2025	1

Page 59 of 84

	-				The second second
		RILE	nece	20	61131
PART	900		ness	03 L	

Road & drainage maintenance in both urban and rural areas proceeding as planned or as reactive requirements dictate

PART F: Service Metrics

Escalated Customer Service Reconciliations to CEO level

Date	Customer Complaint	Action Undertaken	√ <u>∧</u> ×	
July 2025		All Cr's addressed as per Council's policies, procedures and adopted levels of service.		7

Risk Management

Date Updated As required	Risk Details	Existing Controls/Challenges	Required Actions	✓ <u> </u>
As required	All details contained with Council's Risk Management software, "Pulse"			

PART G: Executive Summary (Achievements of note, celebrations, recognition of team members, significant change, challenges, emerging trends or significant highlights)

Steady start to both capital and operational works for the newly named Civil Works section of Council

Monthly Operational Report – July 2025 Transport & Utilities Directorate – Major Projects





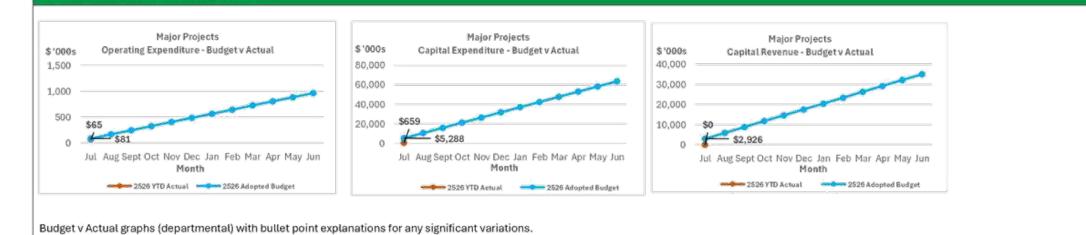
PART A: Section Accountabilities and Team Roles

Manag	ger Major Projects	Coord	linator Design Engineering
	ectively manage the delivery of Council Infrastructure ts on behalf of various internal stakeholders.		
Accou	ntabilities	Accou	ntabilities
SBPO	Accountability	SBPO	Accountability
В	Building Capital Works Management	В	Design and Survey Management
В	Infrastructure Project Stakeholder Engagement	В	Design Standards
В	Major Projects Delivery	В	Engineering Drawing Register
В	Major Projects Legislative Compliance and Quality Assurance	В	Engineering Drawing Register - Water Engineering
В	Project Delivery Risks and Mitigation Strategy	В	Engineering Drawings Register - Civil Design
В	Project Management Process Update	В	Survey and Design
В	Projects Budget Management	0	CMDG Standards
В	Projects Portfolio Management	0	Community Consultation - Civil Design
В	Sustainability and Innovation approach in project delivery	0	Design Technical Advice
Р	Change Management - Infra. Projects	0	Development Advice - Civil Design
	The state of the s	0	Maintain ASCON Plans
P	Cost Management - Infra. Projects	0	Maintain ASCON Plans - as constructed
		0	Maintain ASCON Plans - Civil Design
P	Geotechnical Infrastructure and Soil Testing for Projects	P	Project Management - Civit Design
p	Project Governance Reporting		
P	Schedule Management		
P	Stakeholder Management		
P	Project Communications Management		

PART B: 5-Year Delivery Program and 1-Year Operational Plan

OP Ref	5-Year Delivery Program 2025 - 2030	Council's Role	Performance Measure	Performance Me			Responsible Officer	Yea	r				Comments	✓ <u>^</u> ×	
				2025 – 26	Baseline	Interim (2026 – 27)	2030		1	2	3	4	5		
THEM	E - DIVERSIFIED & RESILIEN	AND DESCRIPTION OF THE PARTY OF													
1.1	Promote and value divers	ie businesse	s, industries, and employment							_					
1.1.3	Completion of Stage 4 of the Gateway Business and Industry Park	Provider	Project completed in 2025-26 within the allocated budget and timeframe	100%				S: GM Transport & Utilities 8: Manager Major Projects P: Manager Major Projects O:	~					Development Application submitted. Minor design changes were made due to a required lot size adjustment after the 100% Design was completed. Additional information will be submitted to DA after the design change by Aug 10 2025.	1
THEM	- DIVERSIFIED & RESILIEN	IT ECONOM	f i												
1.2	Optimise visitation and to	ourism oppo	rtunities												
1.2.4	Partner with Queensland Government to deliver Council led projects in the Great Keppel Island masterplan: - Sewerage Treatment Plant (STP) constructed by December 2025; and - Arrivals Plaza constructed by June 2026	Provider	100% of Council led projects constructed within budget and timeframes	Great Keppel Island STP and Arrivals Plaza constructed				S: GM Transport & Utilities B: Manager Major Projects P: Strategic and Planning Advisor O:	>					Sewage Treatment Plant: 100% detail design completed for four packages of work; the remaining package of work has had 60% detail design completed. The contractor is seeking to mobilise to the site in mid to late August 2025. Arrivals Plaza: 50% detail design completed. Progressing towards 80% detail design early September 2025 with a two-stage construction expression of interest process commencing July 23 2025, and awarding early November 2025.	4

PART C: Financial Outcomes



PART D: Project Status

Page 62 of 84

PROJECT	COMMENTS	√ <u>∧</u> ×
Great Keppel Island Boardwalks	80% detail design completed. Progressing towards 100% design completion early August 2025.	1
Great Keppel Island Wayfinding and Interpretive Signage	Draft construction package completed for wayfinding, interpretive and trail signage. Progressing towards final construction packages early August 2025. Tenders for the manufacturing, delivery and installation of trail signage to be released mid-August 2025.	✓
Great Keppel Island Revetment Wall Business Case and Preliminary Design	Draft scope of works for planning, business case and preliminary design completed and ready to issue to market upon execution of a funding grant with DETSI.	1
East West Connector - Pineapple Drive Extension	Design consultant appointed to undertake detail design works. Road reserve survey and plans underway.	4
East West Connector - Neils Road Intersection	Draft scope of works for detail design and technical investigations completed and ready to issue to market upon execution and announcement of the RAF grant.	✓
East West Connector - 2km Corridor	Draft scope of works for detail design and technical investigations completed and ready to issue to market upon execution and announcement of the RAF grant.	1
Emu Park Sewage Treatment Plant Upgrade	Construction underway and expected to grant practical completion by Aug 22. Plant is operational and is in biological stabilisation phase. Project is expected to be completed on budget.	1
Emu Park Waste Transfer Station	Construction underway and expected to be completed August 2025. Note that fitout of the gatehouse building will be completed by operations team rather than the project but this covers desks, chairs, shelving, etc. Construction expected to be completed near budget.	4
Yeppoon Landfill Cell 3 Construction	Excavated to design floor level and have found more uncontrolled/uncompacted fill. This needs to be removed to allow for installation of the geosynthetic clay liner. The cell floor is being redesigned to work at this lower level to avoid having to replace it with engineered fill to reduce the costs and to offset the cost by gaining additional airspace.	1
ROSI Artillery and Greenlake Road Upgrade	Construction is underway for both Separable Portions A (intersection at Greenlake and Artillery Road) and Separable Portion B (Greenlake Road). Separable Portion A is expected to be completed by the end of August 2025 and Separable Portion B is expected to be completed by the end of September 2025.	1
New replacement pipework under the estuary (Coorooman Creek)	Draft scope of works is currently being developed with relevant key stakeholders. This should be ready to go out to market upon approval from management.	4
Rosslyn St sewage pump station renewal	Draft scope of works is currently being developed with key stakeholders. This should be ready to go out to market upon approval from management.	✓
Yeppoon Aquatic Centre (Brian Dorey OAM Capricorn Coast Aquatic Centre)	Construction underway, aiming to finish just prior to xmas but may push out into early 2026 due to weather. Funding partner made aware of current status and flagged potential early next year finish. 1st half section of pool walls poured on Saturday Jul 26, 2025.	1
Lammermoor South Master Plan	Draft (80% complete) Master Plan submitted for LSC review and comment. Consultation launch planned for mid Aug 25.	1
Emu Park SLSC Seawall and Beach Access	Draft Concept Design Report submitted for LSC review and comment. In principle agreement for concept layout has been received from Emu Park SLSC.	1
Williamson Ck (west) Ped Bridge Replacement	Post Construction Review meeting to be arranged with Contractor for Adelaide Park Rd Ped bridge. Learnings and improvements to be incorporated into Tender docs for this project.	1
Matthew Flinders Drive Upgrade	90% Concept Layout complete. Consultant currently finalising concept layout plans and supporting documentation. Detail design stage likely to be deferred due to reprioritisation of next stage for construction. Significant time delays have been experienced in receiving deliverables of a suitable standard from the Consultant.	°≜ t
Taroomball Trunk Sewer Infrastructure Upgrade	Construction is progressing on two work fronts—Rising Main and the new pump station—with overall project Practical Completion targeted for Apr 30, 2026. The initial 30% milestone payment under the LGGSP grant has been received.	1
Sewer Relining CCTV Program Works. 2024-25	Separable Portion 1 (CCTV inspection and condition assessment) has been completed, with final deliverables pending submission by the contractor. The Notice to Proceed for Separable Portion 2 (pipe relining and manhole rehabilitation) is yet to be issued, with a targeted commencement date in early October 2024. Evaluation of submissions for the CCTV reviewer/inspector is currently in progress, with award anticipated by Aug 8.	✓
Design Team Projects		
Kinka Beach Shared Path	Design Only project, nearing completion in coordination with Cycle Grants	4
Clayton Road Roundabout Crossing & Footpath Design	Stages 1 – 4, Design nearing completion, Plans under review.	1
Byfield Footpath - Design Only	Survey complete, Design Ongoing	1
Heaslip Stairs	Design ongoing, plan production underway	1
Queen Street Upgrade (Mary to Hill, inc. Mary)	Project Brief required. Survey and Design to be started. Too many future unknowns have the potential to create double handling. Scope of works are not yet fully defined.	<u> </u>
	Page 63	of 84

Monthly Operational Report - July 2025

Wood Street Drainage - Stormwater Upgrade	Project Brief required. Awaiting for project brief from planning team.	1
Normanby Street Upgrade	Design progressing. Service plans completed and construction underway. Roadworks plan production started. Landscaping concept layout completed, with detailed design stage continuing. Significant consultant time delays have been experienced in lodging the streeting lighting design with Ergon.	1
Limestone Creek Road Upgrade	Awaiting a project brief from planning engineer to define detailed Design scope. A lot of unknowns with adjacent developments have the potential to put this project at risk.	* <u>A</u> !
Mulambin Shared Path - Shared Pathway from Wildin Way to Bluewater Bvd	Design Only project, nearing completion in coordination with Cycle Grants	1
Dawson Rd upgrade to sealed road - Seal missing link	Design has stalled again. Ongoing stormwater modelling. Lack of early planning and solid direction has continuously halted this project. Due to be built this year and still no clear direction on final design.	Å I
Etna Creek Road Pavement Rehab	Design ongoing, Plans under review	1
Racecourse Rd floodway upgrade	Awaiting Stormwater Modelling Results. Project Brief required. Can't initiate detailed Design without scope.	1
Serpentine Street, Cawarral RCP & Drainage Easements	Project Brief required. Can't initiate detailed Design without scope.	1
Alexander Street Watermain	Project Brief completed. Survey and Design to be started	1
Arthur St Sewer 600mm Gravity Main	Alignment sorted. Easement required. Finalise easement drawings.	<u> </u>
Rosslyn Bay Trunk & Reticulation Water passive - Stage 1-4	Stage 1 design complete. Stages 2-3 nearing completion	1
Lammermoor Water Booster	Design of In-line Booster Pump Station. Design to be started	1
James & Arthur Intersection Upgrade	Project Brief required. Can't initiate detailed Design without scope.	1
Cawarral School Pathway	Design in progress	1
Hinz Ave Upgrade to Seal	Still need to resume land over Iwasaki Road. Need to resolve access to this land for survey.	×
Normanby Streetscape	Design sent email on 26/6/25 to Place Design showing LSC Concept and requesting a variation cost. Unknown scope puts this project at risk.	<u> </u>
Farnborough Road Rising Main	Design nearing complete. Plans under review	1
Lake Mary Rd Floodway Ch 18.5km (40m x 6.5m)	Design completed. Design estimate over budget. Project to be deferred	×
Barmaryee Road upgrade to seal/ Barmaryee Cross Drainage at Corduroy Creek	Design completed. Waiting on stormwater modelling to determine impacts of proposed culvert.	1

PARTE: **Business as Usual** Taroomball Trunk Sewer Infrastructure Upgrade – Photos RM315 - CH9.6 - 50 Welding and Stringing for DN315 PE Emu Park-STP and Aquatic Centre

Attachment 1

PART F: Service Metrics

		7
1		

Risk Management

Date Updated	Risk Details	Existing Controls/Challenges	Required Actions	✓ ▲ ×
Jul 30 2025	Ability to deliver the full scope of works for all three GKI projects (wayfinding, boardwalks and wayfinding) within the allocate budget.	Communiction from the beginnning that Council is only committed to undertaking detail design, due diligence and pre-construction activities. Future decisions on construction and which projects to be constructed can be made after contruction estimates are further developed. Undertake pre-construction design activities for all projects in parallel to enable pro-active discussions on delivery.	Undertake a meeting with the Department of the Environment, Tourism, Sport and Innovation in mid-September to present an update and discuss any potential impacts.	4
Jul 30 2025	Project finish date – Aquatic Centre	Wet weather and high winds potential impacts to program. Installation of structure steel and large span roof sheeting- impact in high winds, may hinder onsite works	As much as possible the steel and roof sheeting is brought forward in program to allow for any weather events. We are also keeping the funding partner up to date for progress and expected finish date.	1

PART G: Executive Summary (Achievements of note, celebrations, recognition of team members, significant change, challenges, emerging trends or significant highlights)

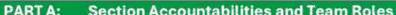
Achievement:

- 120% Major project progress achieved in FY 24/25.
- Great Keppel Island Arrival Plaza Construction Expression of Interest released to market.
- Emu Park Sewage Treatment plant upgrade expected to complete by Mid- August 2025.

Monthly Operational Report – July 2025

Transport & Utilities Directorate - Water & Waste Operations





Manager Water and Waste Operations		Operations Coordinator Water and Sew Operations		r Water and Sewerage Process	SS Coordinator Water and Sewerage Operations			Principal Waste Officer					
nvironr	critical and essential water and w nental regulations and satisfy cor	mmunity	expectations.	plar		the water and sewage treatment quality testing and reporting and	water, se	maintenance and operation of the ewer networks and treatment plants g minor works and private works.		The delivery of waste services to Livingstone Shire Council including curb side collections for general waste and recycling Operation of transfer facilities and transport of waste and			
	ng sustainable and essential reso nity and provide opportunity for th y.			u du	o wasto.		modulin	s minor works and private works.			bles. Waste Levy reporting and submissions.		
ccoun	tabilities			Acc	ountabili	ties	Account	tabilities		Accour	tabilities		
SBPO	Accountability	SBPO	Accountability		SBPO	Accountability	SBPO	Accountability	\neg	SBPO	Accountability		
8	Concealed Leaks	В	Water Metering		0	EA Licence	0	Civil Maintenance		В	Commercial Waste		
В	Liquid Trade Wase	В	Water Meters		0	Raw Water	0	Mand E Maintenance - Water and		В	Construction Materials Recycling and Disposal		
	Management				0	Recycled Water		Sewerage		B	Domestic Waste		
В	Minor Capital Works - Water	В	Water Quality and Reuse -		0	Sewerage Treatment	0	Metering - Water and Sewerage		В	Landfills		
	and Waste		Development and		0	Trade Waste	0	Minor Works - Water and Sewerage	8	В	Roadside Bins		
			Management		0	Water Quality	0	Private Works - Water and Sewera	je	В	Waste Transfer Stations		
	Potable Water Development	В	Water Transfer and		0	Water Storage and Supply	0	SCADA and Controls		0	Bulk Bin Haulage		
	and Management		Reticulation		0	Water Treatment				0	Collections - Domestic MSW		
В	Private Works (Connections)	В	Water Treatment				'			0	Collections - Domestic Recycling		
В	Raw Water Management	В	Water Meter Application							0	Commercial Collection		
			Register							0	Contract Management and Administration-Waste		
B	Recycled Water	0	Administration - Water and							0	EA Licence		
			Waste (Fees, Charges, Meter							0	Education Initiatives - Waste		
			Reading, CR's, High Water							0	Fees and Charges - Waste		
			Usage, Dispatch, Rebate							0	Gatehouse Operations		
			Assessments, Private Works)							0	Landfill (Closed)		
В	Recycled Water Metering	0	Reporting to Regulators/EA							O	Landfill (Operating)		
			Licence							0	Public Place Collections		
B	Repairs and Maintenance-	0	Community Consultation -							0	Recoverable Materials		
	Water and Waste		Water Engineering							0	Transfer Stations		
В	SCADA	0	Water and Waste Advice							0	Waste Compliance (Separate DETSI Component)		
8	Sewer and Water Plant	P	Project Coordination - Water							O	Waste Levy		
	Management		Engineering							0	Waste Minimisation		
	Sewer System Development										The common first to the second		
Ď.	and Management												
В	Sewerage Collection/Transfer		I										
8	Sewerage Systems	-											
В	Sewerage Treatment	-											
8	Trade Waste	-											
В	Waste Management	1											
В	Water and Waste												
D	Administration	-											
B	Water Collection/Supply	1		1									

Monthly Operational Report - July 2025

Transport & Utilities Directorate - Water & Waste Operations

Page 67 of 84

PART B: 5 Year Delivery Program and 1 Year Operational Plan

OP Ref	5 Year Delivery Program 2025 - 2030	Council's	Performance Measure	Performance Me	rmance Measure Target Responsible Officer				Ye	ar				Comments	✓ <u>^</u> ×	!
				2025 – 26	Baseline	Interim (2026 – 27)	2030		1	2	3	4	5			
2020120000	ie – NATURAL ENVIRONMEN			enance and												
2.3	Resource recovery and reuse	Provider	movative solutions for a circular ed Measures the percentage of collected waste materials that are recycled, reused or repurposed	66%	64%	68%	75%	S: GM Transport & Utilities B: Mgr Water & Waste P: O:Supervisor Waste Serv	~	~	~	~	~		1	
2.3.2	Complete a mid-term review of the Management of Resource Recovery and Waste 2030 Strategy	Provider	Strategy reviewed and updated document presented to Council for adoption	100%				S: GM Transport & Utilities B: Mgr Water & Waste P: O:Principal Waste Officer	~					State Government Waste Strategy being updates. Council's strategy will be reviewed and updated at this time.	<u>*</u>	
THE:	1E - NATURAL ENVIRONMEN		er services, ensuring high-quality w	nates evenly and a	Manthia wastawat											
2.4.1		Provider	Zero reports of e-coli	o 0	0	o O	0	S: GM Transport & Utilities B: Mgr Water & Waste P: O: Coordinator W & S Process Operations	~	~	~	~	~		1	







Budget v Actual graphs (departmental) with bullet point explanations for any significant variations.

PART D: Project Status

PROJECT	COMMENTS	✓ ▲ X
(R)-WP-Active Water renewals	Annual program of replacements	1
(R) SEW-Passive Sewer Renewals \$200K	Annual program of replacements	1
(R)-SP-Active Sewer Renewals \$200K	Annual program of replacements	1

PART E: Business as Usual

Installation of new valve and bypass valving at Saint Faiths reservoir. Complex and high risk installation of a replacement valve on the water supply to Yeppoon.

Methodical approach to the works undertaken with trial shutdowns and working with an external contractor JRT who undertook the valve replacement. The installation of the valve is to enable development works at Norpine Road.





Drinking Water Incident Simulation exercise was held on 16 July 2025 based on a large wet weather event. The exercise was successful with the findings to be included in LSC emergency plans and the Drinking Water Quality Management Plan.

Coowanga Green waste pad to remain open as per Council resolution 17 June 2025. Signage has been updated for the site and reported use by commercial operator has been followed up.

Works progressing on the Emu Park transfer station. The contractor OneGroup has been able to undertake the upgrade with minimal impacts to the operation of the site. Works also progressing at Yeppoon Landfill for the new Cell 3A with no major interruptions to the site. The ramp to the new resource recovery area has been completed and opens up the area for concrete, bitumen and soil laydown areas.



PART F: Service Metrics

Risk Management (alignment with the corporate risk register to be undertaken next month)

Date Updated	Risk Details	Existing Controls/Challenges	Required Actions	✓ ▲ ×

PART G: Executive Summary (Achievements of note, celebrations, recognition of team members, significant change, challenges, emerging trends or significant highlights)

Three new Livingstone employees started with Water and Waste last month.

Leigh Williams - Leading Hand Mechanical Fitter

Lisa Petersen - Support Services Officer

Caitlin Abbott - Support Services Officer

Craig Beevers – Maintenance Planner

Monthly Operational Report - July 2025

Strategic Growth Directorate



General Manager Accountabilities and Key Performance Indicators

eneral Manager Strategic rowth	Accou	ntabilities
ey Responsibilities]	SBPO	Accountability
,,	S	Economic Development Strategy
	S	Future Road Concepts -
		Intersection layouts
	S	Stormwater
	S	Strategic Land Use
	S	Strategy for Strategic Land Use
	S	Tourism Signage
	S	Tourism Products Strategy
	S	Transport
	S	Water

Key Performance Indicator 2025/2026	Target Date	Evidence/Comments	1	<u> </u>	×

Monthly Operational Report – July 2025 Strategic Growth Directorate Page 71 of 84

PART A: Section Accountabilities and Team Roles

Manager Land Use & Social Planning		Mana	Manager Engineering Services				
	esponsibilities]		esponsibilities]				
Accou	ntabilities	Accou	ntabilities				
SBPO	Accountability	SBPO	Accountability				
В	Community and Economic Development Administration Management	B	Capital Works Planning and Design				
В	Council-owned Property Development	8	Customer Requests - Engineering Services				
В	Defence Attraction	В	Geotechnical Investigations				
В	Economic Development	В	Infrastructure Planning				
В	Economic Taskforce	В	Land Disposals and Acquisition (Infrastructure)				
8	Industry Development	В	LGIP.				
В	Investment Attraction	В	Place Naming and Addressing				
В	Market Research/Management	В	Project Briefs - Engineering Services				
В	Placemaking	В	Retaining Wall Development and Management				
8	Priority Projects - Economy and Places	В	Road Opening Applications				
В	Regional Collaboration	0	Grant Funding applications for Road Safety				
8	Regional Tourism Organisation Contract Management	0	LGIP Review and Updates				
В	Regional Workforce Skills Attraction	0	Planning Assumptions Model for Local				
В	Tenure Management (commercial, community, telecommunications and other leases)		Government Infrastructure Plan				
В	Tourism Signage						
0	Agritourism Development						
0	Business Investment Concierge Services						
0	Defence Attraction						
0	Economic and Event Impact Modelling						
0	Economic Development Service Delivery						
0	Industry Development						
0	Investment Attraction						
0	Public Art						
0	Regional Economic Development Taskforce						
0	Regional Workforce Plan - Skills Attraction and Retention (not						
	employees)						
0	Stakeholder Engagement - Economy and Places						
р	Council Civic Centre and Library						
P	Current Showgrounds Transition Plan						
P	Gateway Future Stages						
P	Homemaker Centre Stage 2						
Р	Investment Attraction Strategy and Video						
Р	Lagoon Place Development						
P	New Showgrounds Masterplan						
P.	Yeppoon Town Centre Masterplan						

PART B: 5 Year Delivery Program and 1 Year Operational Plan

The General Manager Strategic Growth does not have any direct deliverable outcomes in the Community Plan 2030 or the Operational Plan 2025 - 26. Responsibility for delivering the relevant outcomes rests with the Manager Land Use and Social Planning and the Manager Engineering Services.





Budget v Actual graphs (departmental) with bullet point explanations for any significant variations.

PART D: Project Status

PROJECT	COMMENTS	√ <u>∧</u> X

PARTE: Business as Usual

PARTF: Service Metrics

Monthly Operational Report - July 2025August 2025

Strategic Growth Directorate

Page 73 of 84

Risk Management

Date Updated	Risk Details	sk Details Existing Controls/Challenges R		✓ ▲ X

PART G: Executive Summary (Achievements of note, celebrations, recognition of team members, significant change, challenges, emerging trends or significant highlights)

Monthly Operational Report - July 2025





PART A: Section Accountabilities and Team Roles

Manage	r Engineering Services	Princip	al Planning Engineer - Transport	Princip	al Planning Engineer - Water
:	of infrastructure Civil Engineering Services which include: Road corridor management Coastal engineering Urban and Rural Property Addressing Telecommunications and Electrical Works on Road	[Key Res	sponsibilities]	(Key Res	ponsibilities]
Account	abilities	Accoun	tabilities	Account	tabilities
SBPO	Accountability	SBPO	Accountability	SBPO	Accountability
В	Capital Works Planning and Design	В	Transport Modelling	В	Flood Studies Management
В	Customer Requests - Engineering Services	0	Active Transport - Footpath, Cycling -	В	Flood Studies Services
8	Geotechnical Investigations		Accessibility (Planning)	В	Potable Supply Augmentation
В	Infrastructure Planning	0	Community Consultation- Transport	0	Development Advice - Water Engineering
В	Land Disposals and Acquisition (Infrastructure)		Infrastructure	0	Major Project Advice/Review (e.g.
8	LGIP	0	Development Advice- Transport		Water/Sewar/Stormwater Modelling)
В	Place Naming and Addressing		Infrastructure	0	Sewer Modelling
8	Project Briefs - Engineering Services	P	Project Coordination	0	Special Arrangement Assessment
8	Retaining Wall Development and Management	P	Project Management	0	Storm Water Modelling
В	Road Opening Applications			0	Water Modelling
0	Grant Funding applications for Road Safety			P	Declared Service Areas
0	LGIP Review and Updates			P	Storm Tide Mapping
0	Planning Assumptions Model for Local Government Infrastructure Plan				

PART B: 5 Year Delivery Program and 1 Year Operational Plan

OP Ref	5 Year Delivery Program 2025 - 2030	Council's Role	Performance Measure	Performance Me	asure Target			Responsible Officer	Ye	ar				Comments	√ <u>∧</u> ×
				2025 – 26	Baseline	Interim (2026 – 27)	2030		1	2	3	4	5		
3.1	E – VIBRANT CULTURE & HE Deliver strategic land use		MUNITY ure planning and urban design acti	vities that suppor	t growth, liveabilit	y, and sustainab	itity								
3.1.5		Provider	Feasibility/Business Case completed within allocated budget and timeframe	100%				S: GM Strategic Growth B: Manager Engineering Services P: O:	~					AECOM East West Link Feasibility Study complete	ř

PART C: Financial Outcomes



PART D: Project Status

PROJECT	COMMENTS	✓ <u>▲</u> ×
Planning for 25/26 Capital programme	Pretiminary Planning and preparation of design briefs for 25/26 Design programme – on track	✓
TLPI Infrastructure Planning	Commenced – in progress	✓
Capricorn Coast Water Supply Master Plan	Progressed to final stage, Outputs to inform future LGIP works	1
LGIP	Supporting Information for LGIP Schedule of Work Items to be updated/provided. Includes Planning Reports, Concept Designs, Cost Estimates - commenced	1

PARTE:	35 - PARES SANDON	ss as Usual
EAST F	SHORE	

Prioritise Infrastructure Planning requirements

PART F: Service Metrics

Risk Management

Date Updated	Risk Details	Existing Controls/Challenges	Required Actions	✓ ▲ X
05.08.25	Financial risk associated with providing Trunk Infrastructure for multiple development fronts (TLPI areas, etc)	Provide appropriate planning to develop best Infrastructure solutions with accurate cost estimates and timeframes.	Undertake Planning work - commenced	<u> </u>

PART G: Executive Summary (Achievements of note, celebrations, recognition of team members, significant change, challenges, emerging trends or significant highlights)

Team still settling into new department and strategic focus.

Monthly Operational Report - July 2025

Strategic Growth - Economic Growth & Planning





PART A: Section Accountabilities and Team Roles

Manager Economic Growth & Planning

To guide appropriate economic and social development to meet community needs for sustainable economic growth and investment attraction, including the establishment of businesses and industries and the retention, growth and diversification of existing business and industries in suitable locations

Principal Strategic Planner

Guides future land use planning by undertaking strategic planning projects, providing strategic planning advice on development proposals and the development, negotiation and implementation of the planning scheme.

Accountabilities

SBPO	Accountability
В	Community and Economic
	Development Administration
	Management
B	Council-owned Property Development
В	Defence Attraction
В	Economic Development
В	Economic Taskforce
В	Industry Development
В	Investment Attraction
8	Market Research/Management
8	Placemaking
В	Priority Projects - Economy and Places
8	Regional Collaboration
8	Regional Tourism Organisation Contract
	Management
В	Tenure Management (commercial,
	community, telecommunications and
	other leases)
В	Tourism Signage
0	Business Investment Concierge
	Services
Q	Defence Attraction
0	Economic and Event Impact Modelling
O	Economic Development Service
	Delivery
0	Industry Development
0	Investment Attraction
0	Public Art
0	Regional Economic Development
	Taskforce
0	Regional Workforce Plan - Skills
	Attraction and Retention (not
	employees)
0	Stakeholder Engagement - Economy
	and Places

0	Agritourism Development
P	Council Civic Centre and Library
P	Current Showgrounds Transition Plan
P	Gateway Future Stages
P	Homemaker Centre Stage 2
P	Investment Attraction Strategy and Video
P	Lagoon Place Development
P	New Showgrounds Masterplan
P	Yeppoon Town Centre Masterplan
р	New Operations Depot

Accountabilities

SBPO	Accountability
0	Community Education - Strategic Planning
0	Community Submission Reviews - Strategic
	Planning
0	Coordinate Planning Scheme Matters
0	Development Advice to Stakeholders
0	Development Applications Review
0	Geographic Information Systems (GIS) -
	Strategic Planning
0	Legislative Notices - Planning Scheme
	Amendments
0	Policy Development and Changes (response
	to QLD legislation)
0	Provide Technical Advice - Planning Scheme
O	Review Submissions - Planning
0	State Government Checklists - Strategic
	Planning
0	Strategic Planning Scheme Advice to
	Stakeholders and Customers
Р	Planning Scheme Amendments
Р	Planning Scheme Review
P	Planning Scheme Review and Amendments

Page 78 of 84

PART B: 5 Year Delivery Program and 1 Year Operational Plan

OP Ref	5 Year Delivery Program 2025 - 2030	Council's	Performance Measure	Performance Me	asure Target			Responsible Officer	Ye	ar				Comments	✓ <u>*</u>
				2025 – 26	Baseline	Interim (2026 – 27)	2030]	1	2	3	4	5		
	DIVERSIFIED & RESILIENT		S R - P / P P P	247 17						- LV	-		<i>10</i> - 2)	***
1.1	Gross Regional Product (GRP) growth	Facilitator	re planning and urban design acti Measures the total value of all final goods and services produced in the local economy	Maintain or improve from baseline	2022-23 \$1.86 billion, +5.7% increase (change from previous year)	y, and sustainable Maintain or improve from baseline	Maintain or improve from baseline	S: GM Strategic Growth B: Manager Economic Growth & Planning P: Economic Development Officer	~	~	~	~	~		✓
1.1.2	Progress actions identified in the Livingstone 2030 Blueprint for Growth: - Partner with industry bodies to identify workforce needs - Develop targeted marketing materials to promote tourism, liveability, and investment opportunities - Establish a structured and efficient customer relationship management system - Advocate for local business development and improvement	Provider	100% of actions identified for 2025-2026 completed	100%	100%	Maintain or improve from baseline	Maintain or improve from baseline	S: GM Strategic Growth B: Manager Economic Growth & Ptanning P: O: Economic Development Officer	~	~	~	~	~	Investment prospectus draft commenced Monitor CRMS system onboarding commenced Commitment to the Small Business Friendly program renewed.	4
1.1.4	Gateway Business and Industry Park – Sale of Commercial Land	Provider	Development delivers a positive return on capital development	>10% margin				S: GM Strategic Growth B: Manager Economic Growth & Planning P: Manager Economic Growth & Planning O		~				Stage 4 (11 lots) Operational Works approved, civil construction tender to be released September 2025. Stage 5 (10 lots) ROL public notification completed.	1
1.1.5	Capricorn Coast Homemaker 2 - Sale of Commercial Land	Provider	Contract negotiations for Capricorn Homemaker 2 site	25% of contract conditions completed		Contract negotiations for Capricorn Homemaker 2 site completed		S: GM Strategic Growth B: Manager Economic Growth & Planning P: Manager Economic Growth & Planning	~	~				Expression of interest closed 14/07/25 responses being reviewed	1

		_						T-	_	_	_		,		
								0							
1.1.6	Development Incentives	Provider	Number of applications utilising	Development	×			S: GM Strategic	~					Research phase commenced.	1
	and Support Strategy	Regulator	incentives and support	Incentives				Growth	*						
	focused on attracting	Facilitator		Support				B: Manager							
	future growth industries	Advocate		Strategy				Economic Growth							
	to establish within the			completed				& Planning							
	priority infrastructure							P:							
	area (PIA)							O: Economic							
								Development Officer							
THEME	DIVERSIFIED & RESILIEN	TECONOMY	, -		-) Officer							
	Optimise visitation and to														
1.2.1	Visitor growth	Facilitator	Measures the % change in the	Maintain or	833,000 + 0.8%	Maintain or	Maintain or	S: GM Strategic	~	~	1	~	~		1
AGENCE			number visitors to the Capricorn	improve from	increase	improve from	improve from	Growth	1000			20	1000		
			Coast and Rockhampton region	baseline	(annual change	baseline	baseline	B: Manager							
					from June 2023)	-140001-00	323000000000000000000000000000000000000	Economic Growth							
								& Planning							
								P:							
								O: Economic							
								Development Officer							
1.2.2	Activities and	Facilitator	Capricorn Enterprise 6 monthly	100% of				S: GM Strategic	~					Six monthly KPI report will be presented	1
1.2.2	performance measures	racidator	KPI report	performance				Growth	*					to Council in August 2025	~
	as described in the		N Troport	measures				B: Manager						to obtained in August 2020	
	Capricorn Enterprise			reached				Economic Growth							
	Partnership Agreement							& Planning							
	2022-26 are delivered							P:							
								O: Economic							
								Development							
								Officer	_	_					
1.2.3	Capricorn Enterprise	Facilitator	New agreement 2026-30	100%				S: GM Strategic	~					Review of existing agreement	1
	Partnership Agreement		completed					Growth						commenced.	
	2026-30 completed							8: Manager Economic Growth							
								& Planning							
								P:							
								O: Economic							
								Development							
							×	Officer							
	DIVERSIFIED & RESILIEN														
		THE RESERVE AND PERSONS ASSESSMENT OF THE PE	lcoming and desirable location for	CONTRACTOR DESCRIPTION OF THE PARTY OF THE P	CONTRACTOR OF THE PARTY OF THE			PARTY OF GROOM STREET			1000			W-1900pm	
1.3.1	Growth in employment	Facilitator		Maintain or	Census 2021 -	Maintain or	Maintain or	S: GM Strategic	~	~	~	~	~	Change measured annually December 2024 Unemployment rate	1
			employed labour force	improve from baseline	95.7%, +3.6% from Census	improve from baseline	improve from baseline	Growth B: Manager						was 2.9%	
				Dascuile	2016	Dasound	Dascuire	Economic Growth						Wd5 2.570	
					2010			& Planning							
								P:							
4								O:							
1.3.2	Business Growth	Facilitator	Measures the change (%) in the	Maintain or	Increase by	To be	To be	S: GM Strategic	~	~	~	~	~	Change measured annually	1
			number of GST registered	improve from	+6.52% from	documented/	documented/	Growth							
			businesses	baseline	previous year	established in	established in	B: Manager							
						2025-26	2025-26	Economic Growth							
								& Planning							
								P: O:							
								U.							

1.3.3	Population Growth Ratio	Facilitator	Measures the change in population growth	Maintain or improve from baseline	2.17% from 2023-24 Current Year Financial Sustainability Statement	Maintain or improve from baseline	Maintain or improve from baseline	S: GM Strategic Growth B: Manager Economic Growth & Planning P: O:	~	>	>	~	~	Change measured annually	1
1.3.4	Create an Investment Attraction Video and marketing collateral	Provider Advocate	Project completed within allocated budget and timeframe	100%				S: GM Strategic Growth B: Manager Economic Growth & Planning P: Manager Economic Growth & Ptanning O: Economic Development Officer	~					To be completed after the investment prospectus is finalised	✓
1.3.5	Create a Five year Welcome and Destination signage program - VIBRANT CULTURE & HE	Provider	Strategy completed within allocated budget and timeframe	100%				S: GM Strategic Growth B: Manager Economic Growth & Planning P: Manager Economic Growth & Planning O:Economic Development Officer	~					Consultancy awarded, priority signs being reviewed for design.	1
3.1.1	Deliver strategic land use Residential Growth Management	, infrastruct Facilitator	ure planning and urban design active Measures the percentage of new residential lots approved within the Priority Infrastructure Areas	vities that support Target established	growth, liveability To be documented/ established in 2025–26	y, and sustainab Maintain or improve from baseline	Maintain or improve from baseline	S: GM Strategic Growth B: Manager Economic Growth & Planning P: O: Principal Strategic Planner	~	>	~	~	~	Reported annually	J
3.1.2	Undertake a review of the current Planning Scheme and implement necessary changes to ensure long term prosperity within the region	Provider	Project to be completed by December 2028	25% of project to be completed		50% of project to be completed		S: GM Strategic Growth B: Manager Economic Growth & Planning P: O: Principal Strategic Planner	~	>	~			Industrial and centres study completed Biodiversity underway Scheme Supply Fund application submitted for economic and population study, land supply analysis, housing needs assessment, Livingstone Housing Strategy and embedding the TLPI into a planning scheme amendment.	✓
3.1.3	Masterplanning for new showgrounds/event space completed	Provider	Project to be completed in 2027- 28					S: GM Strategic Growth B: Manager Economic Growth & Planning P: Manager Economic Growth & Planning O:			~			Meeting with show grounds society late July 2025.	1

3.1.6	Northern Corridor Structure Planning and service options feasibility study	Provider	Structure planning and feasibility study completed	Assessment of options completed, and next steps determined				S: GM Strategic Growth B: Manager Economic Growth & Planning P: O: Principal Strategic Planner	~					Draft structure plan completed and undergoing internal review.	√
3.1.7	Develop design guidelines to support the Yeppoon town revitalisation	Provider	Guidelines developed and adopted	100%				S: GM Strategic Growth B: Manager Economic Growth & Planning P: Manager Economic Growth & Planning O:	~					Scheduled to commence late 2025/early 2026	✓
3.1.9	Deliver Destination and Welcome Signage as per Placemaking and Urban Design Program	Provider	2 signs installed	100%				S: GM Strategic Growth B: Manager Economic Growth & Planning P: Manager Economic Growth & Ptanning O:Economic Development Officer	>					Two designs completed – eight to go	4
3.1.11	Undertake planning scheme amendments to reflect zone and mapping changes	Provider	Project completed within allocated budget and timeframe	100%				S: GM Strategic Growth B: Manager Economic Growth & Planning P: O: Principal Strategic Planner	>					Minor amendment zone changes in ten areas impacting 235 properties that already had approvals for development. These changes reduced the levels of assessment to provide an additional 320 lots for housing and 539 dwellings on approved sites for relocatable home parks. Temporary Planning Local Instrument (TLPI) was approved in May 2025 changing the zoning in three areas to	√
			PROGRESSIVE LEADERSHIP						1.0					allow for residential development.	
4.2.1	Advocate and collaborate In collaboration with the Central to Defence Working Group develop a business case to attract Defence Industry to establish in Central Queensland	a with state a	and federal governments in the bes Defence Industry Attraction Business Case completed	t interest of the co	mmunity			S: GM Strategic Growth B: Manager Economic Growth & Planning P: O:Economic Development Officer	>		7 <u>. 119</u>			\$1M State REFF funding to support the project. Forge Advisory appointed Project Managers and Deloitte appointed to prepare the business case. Regional stakeholder engagement commences July 2025.	1
4.2.3	Review advocacy priority projects documentation	Provider	Advocacy document reviewed and updated annually and adopted by Council	100% reviewed and updated		100% reviewed and updated	100% reviewed and updated	S: GM Strategic Growth B: Manager Economic Growth & Planning P:	~	~	~	~	~	Review of existing priority projects being undertaken.	✓





PART D: Project Status

PROJECT	COMMENTS	√ <u>∧</u> X
Gateway Future Stages	Gateway Stage 4 - Pineapple Drive extension to be designed and included as optional cost in the tender – anticipated program tender release Sept 2025 construction completed by June 2026 Gateway Stage 5 - Impact assessable ROL nearing completion D-393-2024 next steps detailed design and operational works approval 25/26	✓
Homemaker Centre Stage 2	Expression of interest closed 14/07/25 responses being reviewed	1
Council Civic Centre and Library	Request for Quote being prepared for concept design and quantity surveying	1
Investment Attraction Strategy and Video	Investment attraction strategy in draft	✓
Current Showgrounds Transition Plan	2025/26	
New Showgrounds Masterplan	2026/27	
Lagoon Place Development	2026/27	
Yeppoon Town Centre Masterplan	2026/27	
New Operations Depot	2026/27	

PARTE: Business as Usual

A project status report has been developed. This report will inform a team planning day where projects will be prioritised and leads assigned.

PART F: Service Metrics

Risk Management

Date Updated	Risk Details	Existing Controls/Challenges	Required Actions	✓ ▲ ×
31/07/25	Inter-dependencies of large-scale projects (sale of Capricorn Homemaker Stage 2 is dependent on a new operations depot being constructed at the Gateway Industry, which is dependent on the construction of Gateway Stage 5)	Challenges – successful negotiations with tenderers, timing (leaseback	Reinvigorate Project Control Groups (PCG) for each project	1
PART G:	Executive Summary (Achievements of note, celebration	ns, recognition of team members, significant change, challen	ges, emerging trends or significant highlights)	
	y progressing commercial large format retail opportunities on Council owned	land (existing depot operations site) – Capricorn Homemaker Stage One emp	ploys over 200 people and generates over \$30M to the local economy ann	ually

Monthly Operational Report – July 2025 Strategic Growth – Economic Growth & Planning

13.5 OPERATIONAL PLAN 2024-2025 Q4 PERFORMANCE REPORT

File No: CM4.6.2

Attachments: 1. Quarter 4 2024 - 2025 Operational Plan

Responsible Officer: Poala Santini - Coordinator Governance

Kristy Mansfield - Acting General Manager Corporate

Services

Alastair Dawson - Interim Chief Executive Officer

Author: Ursula Sleeman - Governance Officer

SUMMARY

The 2024-2025 Operational Plan progress report for Quarter 4 as at 30 June 2025 is presented, pursuant to Section 174(3) of the Local Government Regulation 2012.

OFFICER'S RECOMMENDATION

THAT Council receive the 2023-2024 Operational Plan Performance Report as at 30 June 2025.

BACKGROUND

The Local Government Act 2009 requires Council to adopt an Operational Plan each year. The Operational Plan 2024-2025 formed an important part of Council's strategic planning process and sets out the key projects and priorities that Council planned to deliver towards achievement of the Corporate Plan 2030.

The Local Government Act 2009 also requires the Chief Executive Officer to present a written assessment of Council's progress towards implementing the annual Operational Plan at meetings of Council, at least quarterly.

The 2024-2025 Operational Plan provided the detail of the key programs and identified outcomes to be achieved against the Corporate Plan for the 2024-2025 financial year.

COMMENTARY

The Operational Plan Performance Report June 2025 reports on the progress of the significant activities that Council undertook during the year.

As reported in January 2025, in preparation for the transition to the Monthly Operational Report, some key changes were made to the Operational Plan. The Progress Indicators were simplified, only requiring the 'Timing' field to be completed. Additionally, comments become progressive with the most recent comments *italicised in blue*.

The attached Operational Plan Quarter Performance Report 30 June 2025 provides an update for each of the activities in Quarter 4.

The below table provides a summary of performance to 30 June 2025 against the progress indicators.

Table 1 – Status of Planned Activities:

Status	Liveable Livingstone	Thriving Livingstone	Natural Livingstone	Leading Livingstone	Future Livingstone	Total
On Time	0	0	0	0	0	0
Item Completed	8	4	3	20	5	40
Rescheduling Expected	0	0	0	0	0	0

To be deferred	3	4	9	6	1	23
Total	11	8	12	26	6	63

Of the 63 activities, 40 (63%) were completed and 23 (37%) were required to be deferred.

'Rescheduling expected' is identified for items that are to be delivered at a later time during the financial year. As such, any items in progress, that are now to be delivered in the subsequent financial year, have been noted as 'To be deferred'.

PREVIOUS DECISIONS

The 2024-2025 Operational Plan was adopted by Council on 23 July 2024.

Quarter 1 2024-2025 Progress Report was adopted by Council on 19 November 2024.

Quarter 2 2024-2025 Progress Report was adopted by Council on 18 February 2025.

Quarter 3 2024-2025 Progress Report was adopted by Council on 20 May 2025.

ACCESS AND INCLUSION

The activities in this report are undertaken in accordance with the commitments and principles within Council's Inclusive Community Policy.

ENGAGEMENT AND CONSULTATION

Consultation has taken place with internal stakeholders.

HUMAN RIGHTS IMPLICATIONS

Section 4(b) of the *Human Rights Act 2019* requires public entities such as Council "to act and make decisions in a way compatible with human rights."

BUDGET IMPLICATIONS

The activities in the Operational Plan 2024-2025 are funded from the 2024-2025 Annual Budget.

LEGISLATIVE CONTEXT

Section 104(5) of the *Local Government Act 2009* and section 174 of the *Local Government Regulation 2012* require a Local Government to prepare an Operational Plan that is consistent with the annual budget and progresses the implementation of the Corporate Plan.

Section 174 of the Local Government Regulation 2012 states:

(3) The chief executive officer must present a written assessment of the local government's progress towards implementing the annual operational plan at meetings of the local government held at regular intervals of not more than 3 months.

LEGAL IMPLICATIONS

There are no legal implications associated with this matter.

STAFFING IMPLICATIONS

Activities listed in the Operational Plan 2024-2025 are managed by the responsible Council areas. The status and comments for each activity in the attached report are provided by the relevant area. Although the delivery of the plan itself is dependent on staff resources and some significant activities relate to people issues, there are no direct impacts on staff resulting from this report.

RISK ASSESSMENT

The risk of not delivering against Council's Operational Plan is that Council does not achieve the commitments set out in the longer-term Corporate Plan. Each significant activity has associated risks which are managed by the relevant area and reported on through the performance reports.

Legislation requires Council to discharge its responsibilities in a way that is consistent with the annual operational plan and the operational plan sets out a fairly specific level of detail of what Council is planning to deliver and prioritise in the current financial year. The budget has been developed around the operational plan to match the required expenditure with available revenue sources.

CORPORATE PLAN REFERENCE

Transparent, Accountable and Progressive Leadership

Community Plan Outcome - 4.5 Sustainably manage finances, assets and resources through strong governance

4.1.2 Council produces and delivers against sustainable financial forecasts as a result of best practice Capital and Asset Management Plans which guide project planning and service delivery across the Shire.

The Operational Plan 2024-2025 is a key strategic document that outlines the key objectives for Council's annual program and aligns with the budget.

CONCLUSION

Quarterly reporting against the 2024-2025 Operational Plan is a statutory requirement and informs Council and the community on the performance of Council against yearly programs and activities in line with Council's Corporate Plan 2030.

13.5 - OPERATIONAL PLAN 2024-2025 Q4 PERFORMANCE REPORT

Quarter 4 2024 - 2025 Operational Plan

Meeting Date: 19 August 2025

Attachment No: 1

Livingstone Shire	Council							
	for a thriving Livingstone							
LIVEABLE LIVING								
	estone" will support and advecete for servi	and the share willbe	on of the second of t	THE RESERVE OF THE PARTY OF THE	and the little of the little o			
			ing or the people or t	TAILED TO LE UT UNA DEC HUM MINU O	BY CHINEY:			
	Goal 1.1 Access to quality housing & health							
1.1.1 Foster devel	opment to promote a range of housing op		existing planning ar	d development policies to ensure	e that Council's de	THE REST OF THE PARTY NAMED IN	personal factors of the second	lousing choice
Reference	Performance Indicator	Target	Data Validation Source	Responsibility	Completion Date	Progress Result	Progress Indicator Timing	Comments
	Performance indicator	Target	Data vandation source	**************************************		Result	Timing	C4) This development is complete.
1.1.1.a	Development of the Emu Park West Residential Subdivision - Stage Two	10 lots developed Stage 2	Land sales	Manager Economy & Places	Q4 (June 2025)	100%	Item completed	Old: This development is completed. Q2: Ocuncil sold this property to a developer on the condition that they finished developing the 10 lots in 2 years. The subdivision is nearing completion. Q1: Due to this property being sold, Council will no longer be developing the Emu Park West Residential Subdivision - Stage Two. The buyer must complete the development of 10 lots with the approvals within 2 years of settlement.
1.1.1.6	Complete structure plan for South of Chandler Road and Kinka Beach	Structure plan completed	Council business papers	Principal Strategic Planner	Q4 (June 2025)	0%	To be determed	Oil: No change to comments - some of this area has been captured by the TLPI and is subject to a scheme costow. 23: No change to comments - developer of Kinka Beach wishes to undertake a Masterplanning process- this will capture part of the area as well. 22: Awaiting outcome of TuPI process as some of this area is captured in that process. 23: Project yet to commence due to current priorities and resources available.
1.1.1.c	Undertake a review of the current Planning Scheme and implement necessary changes to ensure long term prosperity within the region	Review of Planning Scheme completed	Council business papers	Manager Development & Environment	Q4 (June 2025)	10%	To be deterred	Od. No change its comments prescheme review studies continuing; further the State has advised that they wish far the TLPI area to be rolled into the scheme first. Q3: No Change to comments prescheme review studies continuing. Q2: Minor amendments to Council for resolution in Feb - studies continuing, minor and major amendments identified for packages. Q1: Various studies either underway or about to commence.
1.1.1.6	Progress actions identified in the Local Housing Action Plan	100% of actions identified for 2024-25 completed	Council business papers	Manager Development & Environment and Manager Economy & Places	Q4 (June 2025)	100%	ttern completed	GAL: LHAP adopted. Q3: LHAP to be presented for adoption in May 2025. Q2: LHAP presented for adoption in July 2024 and laid on the table pending further engagement with developers. LHAP to be updated and taken back to Council in Q3 for adoption. Q3: LHAP presented for adoption in July 2024, Council resolved to lay on the table pending a workshop with Council lors.
1.1.2 Align commi	unity programs to social needs, funding or	portunities and/o	r partnerships					
Reference	Performance M	leasurement		Responsibility	Completion Date	Progress	Progress Indicator	Comments
кененсе	Performance Indicator	Target	Data Validation Source	Responsibility	Completion Date	Result	Timing	Commens
	Delivered as part of normal business activities			,00	**		-	
Community Plan	Goal 1.2 Supporting healthy living at any a	ge						
1.2.1 Build capacit	ty to improve health and wellbeing in the	community by pro	viding fair and reaso	nable access to services and facil	ities			
Reference	Performance M	leasurement		Responsibility	Completion Date	Progress	Progress Indicator	Comments
Reference	Performance Indicator	Target	Data Validation Source	Responsibility	Completion Date	Result	Timing	Comments
-	Delivered as part of normal business activities			-	-			
1.2.2 Plan for Livir	ngstone's ageing demographics and partne		alth and aged care s	ectors		,		
Reference	Performance M		£	Responsibility	Completion Date	Progress	Progress Indicator	Comments
= \$5000000000000000000000000000000000000	Performance Indicator	Target	Data Validation Source	SCHOOL CONTRACTOR	STATE OF THE PARTY	Result	Timing	
1.2.2.a	Progress actions identified in the Livingstone Senior Needs Analysis 2022	100% of actions identified for 2024-25 completed	Council business papers	Principal Community Development & Engagement Officer	Q4 (June 2025)	100%	Item completed	Oct. Round I cell Let's More program held in April-Sitos with significant participation by seniors. Q3. Round I of Let's More program held in March with 20% senior participants. Q2. A range of activities and programs were made available to seniors including at our Library and Community Centre. Active Seniors Week held in October with approximately 200 participants across 25 activities. Q1. A per Action I tem 2.3 of the Livingstone Senior Needs Analysis 2022, multiple events were held for Seniors Week in August.
1.2.3 Plan, design	and deliver community infrastructure wh	ich connects comm	nunities and encoura	ges non-vehicular transport				
Reference	Performance M Performance Indicator		Data Validation Source	Responsibility	Completion Date	Progress Result	Progress Indicator Timing	Comments
		Target	Data varidation Source		**************************************	Result		1900PGS57F4
	Delivered as part of normal business activities			(a)	×.	1 -		I .

1.2.4 Take action	to enable the implementation of the Activ	e Livingstone Strat	egy					
Reference	Performance M			Responsibility	Completion Date	Progress	Progress Indicator	Comments
Reference	Performance Indicator	Target	Data Validation Source	Responsibility	Completion Date	Result	Timing	Comments
1.2.4.a	Progress actions identified in the Active Livingstone Strategy	100% of actions identified for 2024-25 completed	Council business papers	Principal Community Development & Engagement Officer	Q4 (June 2025)	100%	Item completed	Out: Healthy Livingstone Strategy needing completion. Round 2 of Let's Move program held in April-May (RO participants). Q3: Healthy Livingstone Strategy in draft stage. Round 1 of Let's Move program held in March (80 participants). Q2: Healthy Livingstone Strategy in draft stage. Planning underway for "Let's Move", a funded program targeting inactive women and girls, which will commence in March. Activities held during school holidays including ipickleball. Active Seniors Week held in October with approximately 200 participants across 25 activities. Q1: Sportling activities held during school holidays (including Cricket Colour Blast and mini Olympics). Barmaryee Multisport Precinct Concept Plan review completed and adopted in September. Inaugural Health and Wellness Expo held in September with 400+ attendees. Engagement underway for Healthy Uningstone Strategy.
	Goal 1.3 - Places for active & passive recre						113.7	
1.3.1 Undertake p	planning in conjunction with the review of		vernment Infrastruct	ure Plan to provide adequate op	en space and recre			growth needs of the Shire
Reference	Performance M	KATES SERVICE		Responsibility	Completion Date	Progress	Progress Indicator	Comments
	Performance Indicator	Target	Data Validation Source			Result	Timing	
13.1.a	Progress actions identified in the Sporting Needs: Strategy	100% of actions identified for 2024-25 completed	Council business papers	Principal Community Development & Engagement Officer	Q4 (June 2025)	100%	Rem completed	Of: Healthy Evingstone Strategy nearing completion. Abound 2 of Let's Move program held in April-May 180 participants). Q3: Healthy Livingstone Strategy in draft stage. Round 1 of Let's Move program held in March (80 participants). Q2: Healthy Livingstone Strategy in draft stage. Planning underway for "Let's Move", a funded program targeting inactive women and girls, which will commence in March. Activities held during school holidays including pickleball. Q1: Sporting activities held during school holidays (including Circket Colour Blast and mini Olympics). Barmayee Multisport Precinct Concept Plan review completed and adopted in September. Funding secured for active programming for Active Seniors Week (scheduled in October) and Active Women and Girls Program (early 2025), inaugural Health and Wellness Expo held in September with 400+ attendees. Engagement underway for Healthy Livingstone Strategy.
1.3.2 Optimise co	mmunity benefit from the use of parkland	s and facilities by i	mproving the quality	, access to, and shared use of, pu	ublic spaces and fa	cilities for	r cultural, recreation	al, and community activities
Reference	Performance M	easurement		Responsibility	Completion Date	Progress	Progress Indicator	Comments
	Performance Indicator	Target	Data Validation Source		- Compression Date	Result	Timing	
1.3.2.a	Support Keppel Coast Arts to increase patronage of Fig Tree Gallery and Workshop space	15% increase	KCAC Quarterley Report	Manager Community & Cultural Services	Q4 (June 2025)	38%	Item completed	GBL Arrusol visitation = 5,206 Q3: Arrusol visitation increase to be provided in Q4. Q2: Averaging 491 visitors per month. Q1: Averaging 672 visitors per month. Annual visitation increase to be provided in Q4.
1.3.2.b	Undertake an assessment of sporting facility support and budget implications	Increased budget efficencies	Council business paper	Manager Parks and Facilities	Q2 (June 2025)	25%	To be determine	CM: No change is CM due to current priorities and resource availability. Q3: Stage 1 continuing. Q1: Stage 1 in progress - developing the assessment criteria.
1.3.3 Support con management)	nmunity groups (including the arts, cultura	l, sport, and recrea	ation groups) through	advocacy and by helping them	identify and secure	funding	streams and develop	skills (including networking, governance, engaging volunteers, and business
Reference	Performance M			Responsibility	Completion Date	Progress	Progress Indicator	Comments
	Performance Indicator	Target	Data Validation Source	. And Philosophia.		Result	Timing	
1.3.3.a	Diversity in recipients of Council's grant and sponsorship programs	Increase in the number of first time recipients	Council business papers	Principal Community Development & Engagement Officer	Q4 (June 2025)	31	Item completed	G4: 31 new applicants across Council's grants and sponsorship programs in 2024/25. Q3: 9 new applicants across most recent rounds of Community Grants, Event Sponsorship, and RADF. Q2: 11 new applicants across Community Grants, Event Sponsorship and RADF were successful in receiving funds. Q1: 5 applicants for Round 1 of Community Grants 24/25 grants: 4 applicants for Round 1 of Event Sponsorship 24/25; 2 applicants for Round 1 of RADF 24/25 are new applicants (all currently under assessment).
133.b	Maintain external volunteer programmes and partnership projects	4 projects per year	Volunteer registrations ECM	Coordinator Natural Resource Management	Q4 (June 2025)	3.	Item completed	Cd: No further comments as this is an ongoting programme. Q3: No change to comments. Q2: Programmes and projects ongoing. Q1: Friends of the Beach volunteer program, Capricornia Catchments Skilling Queenslanders for Work trainect eam, Partnership Fox Detection Project.

THRIVING LIVIN	IGSTONE							-
		ners and the imps	stance of the place a	nd country of fedirenous people	offer a diverse ra	inite of cu	tural activities and e	vents; and develop and sustain a diverse economy.
Community Plan	Goal 2.1 - Recognition, respect and suppor							
2 1 1 Implement	Livingstone's Reconciliation Action Plan to				urtcomes for India	enous ne	onle including the D	srumbal and Wonnahurra neonle
Reference	Performance N	leasurement		Responsibility	Completion Date	Progress	Progress Indicator	Comments
2.1.1.a	Performance Indicator Reconciliation Action Plan adopted by Council	Target Plan adopted by Council	Data Validation Source Council business papers	Principal Community Development & Engagement Officer	Q4 (June 2025)	Result N/A	Timing To be deterred	Oi: Draft Reconciliation Action Plan still under review by Traditional Custodian groups. Q3: Draft Reconciliation Action Plan still under review. Meeting held with Board Members of Darumbal People Aboriginal Corporation held in March. Q2: Draft Reconciliation Action Plan still under review. Q3: Draft Reconciliation Action Plan currently under review by Traditional Custodian Groups.
2.1.2 Foster partr			and understanding of	the Darumbal and Woppaburra	People's relations	hip with t	heir traditional land	and waters through culturally appropriate facilities and services
Reference	Performance N	leasurement		Responsibility	Completion Date	Progress	Progress Indicator	Comments
Constant Control	Performance Indicator	Target	Data Validation Source	SHEETENGER	100000000000000000000000000000000000000	Result	Timing	7314U134UV
-	Delivered as part of normal business activities		-	-	-		-	
11	Goal 2.2 - Diverse business, industry & em	COOP - CO	7200 1024 11 11	The second second second second second	Maries 1995 08	100 30	16 May 10 - 10 -	1 101 No. 1 101
2.2.1 Growth in k			onomic Development	Plan is supported through the de	evelopment and in	nplement		by Capricorn Enterprise and other advisory groups
Reference	Performance N	leasurement		Responsibility	Completion Date	Progress	Progress Indicator	Comments
- Incitation	Performance Indicator	Target	Data Validation Source		Completion Conte	Result	Timing	
2.2.1.a	Growth in Gross Regional Product (%)	Above the Queensland Average	Economy ID	Manager Economy & Places	Q4 (June 2025)	N/A	Rem completed	Od: Diringstone GRP \$2.228 (2004) 5.4% increase from 2028, 2.5% above the Queensland average. Q3: No change to previous comment. Q1: GRP% increase published annually.
2.2.2 Foster deve	lopment of high performing local business	capability and div	ersity					
Reference	Performance N	leasurement	0,000	Responsibility	Completion Date	Progress	Progress Indicator	Comments
Keterence	Performance Indicator	Target	Data Validation Source	Responsibility	Completion Date	Result	Timing	Comments
2.2.Ž.a	Progress actions identified in the Livingstone Blueprint for Growth	100% of actions identified for 2024-25 completed	Council business papers	Manager Economy & Places	Q4 (June 2025)	100%	Hem completed	Gal: Established a business investment concience role, enhancing digital and gramationation is such as the Distance Capitation Court of business Developed by a documental face the "Berthern Cardiar investment Attraction Strategy" and "Capitation Coist investment Prospectus". Council continues to engage with local passenses: through regular visits and events, advocate for inflastructure levestment, improve signage and adjust information, and align printly projects with State and Federal funding apportunities. EXI for Homenoider Stage 3 reflexand. Q3: Hosted CQ Agtech Showcase Innovator Lunch at Beaches Restaurant, conducted industry stakeholder defence engagement with Forge Advisory, attended Bendigo Bank Economic Update breakfast, attended Leaders Lunch with Advance Rockhampton, commenced monthly "Building Business Connections" individual business visits with Councillors, hosted CQ Economic Development Roundtable, completed Welcome program with Capricorn Enterprise. Q2: Hosted local business networking event, commenced workforce planning, hosted three tourism industry sessions, visit from Small Business Commissioner, attended AURUS event in Biloela. Q1: Action list delivery planning has commenced.
2.2.3 Implement	a Council-endorsed priority land developm	ent plan to deliver	r a return on the com	munity's investment in land dev	elopment to enha	nce econo	mic and community	outcomes
Reference	Performance N	leasurement		Responsibility	Completion Date	Progress	Progress Indicator	Comments
Reserve	Performance Indicator	Target	Data Validation Source	Responsionry	Completion Date	Result	Timing	Comments
2.2.3,a	Council property portfolio development delivers a positive return on investment on capital development	>10% cash return	Council ledger	Manager Economy & Places	Q4 (June 2025)	90%	To be deferred	O4: Operational works being finalised; Stage 4Fender being prepared for release in September 2025. Q3: Detailed design for Stage 4 Gateway Business and Industry Park is complete, tender documents to be finalised. Q2: Detailed design for Stage 4 Gateway Business and Industry Park being finalised, ROL for Stage 5 application lodged. Q1: Change request for Stage 4 Gateway from 6 to 11 lots in September 2024.
2.2.4 Support the	growth of education and employment op	portunities for the	community					
(in	Performance N					Progress	Progress Indicator	2
Reference	Performance Indicator	Target	Data Validation Source	Responsibility	Completion Date	Result	Timing	Comments
ж.	Delivered as part of normal business activities	(e)	<i>₽</i>	d Apo	1 107	×	00	
Community Plan	Goal 2.3 - A welcoming & desirable place t	o visit						
2.3.1 Provide sun	port to market Livingstone as a destination		urism, and lifestyle					
	Performance N		rumani, and mestyle			Progress	Progress Indicator	
Reference	Performance Indicator	Target	Data Validation Source	Responsibility	Completion Date	Result	Progress Indicator Timing	Comments
2.3.1.3	Activities and performance measures as described in the Capricorn Enterprise Partnership Agreement 2022-2026 are delivered	100% of performance measures reached	Council business papers	Manager Economy & Places	Q4 (June 2025)	100%	ttem completed	OM: KPI's exceeded. A report on KPI's to be presented to Council in August 2025. Q3: Tracking above KPI's, tourism visitation and spend has increased. Q2: Tracking above KPI's; tourism visitation and spend has increased.
	1			I		1	1-	Q1: Report on KPI's to Council in December 2024.

Page 3

2.3.2 Council pro	vides and maintains infrastructure which e	ncourages busines	s and tourism growt	h				
Reference	Performance N	Aeasurement		Responsibility	Completion Date	Progress	Progress Indicator	Comments
Reference	Performance Indicator	Target	Data Validation Source	Responsibility	Compredion Date	Result	Timing	Commend
2.3.2.a	Progress actions identified in the Livingstone Open Spaces Framework	100% of actions identified for 2024-25 completed	Council business papers	Manager Economy & Places / Manager Parks and Facilities	Q4 (June 2025)	25%	To be deterred	C4: No further updates. Q3: No further updates. Q1: No further updates. Q1: Tracking along well with 25% of the actions identified in the framework completed.
Community Plan	Goal 2.4 - Arts & cultural activities and fac	ilities that strength	en social connection					
2.4.1 Deliver eve	nts, activities, and performances which bri	ng economic and s	ocial benefits to the	community				
Reference	Performance N	Measurement		Responsibility	Completion Date	Progress	Progress Indicator	Comments
Reserence	Performance Indicator	Target	Data Validation Source	Kesponsionity	Completion Date	Result	Timing	Comments
2.4.1.a	Increased patronage at Council delivered events, activities and performances	10% increase	Council business papers	Coordinator Communications & Engagement	Q4 (June 2025)	18%	item completed	CBT: Attendance for CB4 was 1,745 [please note this measurement only records the events delivered by the Exerts officer). New baseline measurement to be established in 2025/26 encompassing arganisational exerts delivered. Total event detendance 24/25 = 4,646 (attendance in 24/24 = 3,924) Q3: Attendance for Q3 was 1,201. Q2: Attendance for Quarter 2 was 740. Q1: Attendance for Quarter 1 was 1,560. Q4 report will provide annual increase.
2.4.2 Implement	the action plan from the Invest Capricorn		ts Strategy 2025					
Reference	Performance N			Responsibility	Completion Date	Progress	Progress Indicator	Comments
	Performance Indicator	Target	Data Validation Source		(89)	Result	Timing	Company of the Compan
242a	Review the Capricorn Coast Region Events Strategy 2025	Newstrategy completed	Council business papers	Coordinator Communications & Engagement	Q4 (June 2025)	N/A	to be deterred	Out we further update. Q2: No further update. Q2: Workshop with Councillors and Capricorn Enterprise determined a new strategy in 2025 was not required due to desired actions being reflected in every day operations and the current strategy remaining relevant. 2025 focus is to continue to support existing events, enable new events and in parallel improve existing wenues/facilities and/or seek support for the development of new facilities. The strategy will be revisited in 2026. 2026. Q1. Scope of review being developed. Workshop with Councillors held 23rd September to determine event priorities for next ten years.
2.4.3 Foster acces	ss, collaboration, community connectedne	ss, wellbeing and c	reativity by supporti	ng arts and cultural activities wit	hin the Shire			
Reference	Performance N	Aeasurement.		Responsibility	Completion Date	Progress	Progress Indicator	Comments
THE SEPTEMBER	Performance Indicator	Target	Data Validation Source	порольни	compredentate	Result	Timing	
	Delivered as part of normal business activities		-			-		

NATURAL			00 00		est 2000			The state of the s
A 'Natural Livings	tone' will protect, sustainably manage and	denhance the natu	ral beauty, landscape	es and resources of the country	of the Darumbal ar	nd Woppa	burra people in orde	r to safeguard the sustainability and environmental resilience of the region into
the future								
Community Plan (Goal 3.1 Enhanced reuse and recycling of	respurces						
			es and facilities which	provide innovative and compli	ant solutions to re	duce the e	nvironment impacts	of Council's waste collection and resource recovery options
	Performance M		es una ruanties writer	4700	200000	Progress	Progress Indicator	20
Reference	Performance Indicator	Target	Data Validation Source	Responsibility	Completion Date	Result	Timing	Comments
	Performance indicator	Target	Data Valluation Source			Kesuk	Timing	
3,1.1,a	Waste Strategy actions completed	100% of actions completed for 2024-25	Council business papers	Principal Waste Officer	Q4 (June 2025)	100%	ttem completed	Od: Community leadership wa advacacy to COROC for regional collaboration in waste management and ensure partainable procurement, principles are embedded into Council business. Q1: Community leadership via advacacy to COROC for regional collaboration in waste management and ensure sustainable procurement principles are embedded into Council business. Q2: Community leadership via advacacy to COROC for regional collaboration in waste management and ensure sustainable procurement principles are embedded into Council business. Q1: Community leadership via advacacy to COROC for regional collaboration in waste management and ensure sustainable procurement principles are embedded into Council business.
3.1.1.b	Volume of waste diverted as a percentage of total waste stream collected or received	increase from 25% to 50%	Council business papers	Principal Waste Officer	Q4 (June 2025)	48%	Item completed	Get 48% of worder's being diserted. Q3: Asper previous comment. Q2: Asper previous comment. Q1: Approximately 45% of waste is being diverted.
3.1.2 Partner with	the community to divert and minimise w	aste and invest in I	renewable energy					
Reference	Performance M	leasurement		N	Completion Date	Progress	Progress Indicator	Comments
Reference	Performance Indicator	Target	Data Validation Source	Responsibility	Completion Date	Result	Timing	Comments
-	Delivered as part of normal business activities			-				
3.1.3 Incentivise t	he community to invest in reuse, recycling	, energy and wate	r saving practices		•	-		•
F NAMES S	Performance M			40 2400	FEET ACCUSES TO SEED	Progress	Progress Indicator	2 8
Reference	Performance Indicator	Target	Data Validation Source	Responsibility	Completion Date	Result	Timing	Comments
	Delivered as part of normal business activities	100 800	- June Vanisacion Source					
3 1 4 Promote and	d develop a resource recovery centre to de	liver education an	d hehavioural change	•				
	Performance M		a sense is an an an an an		1	Progress	Progress Indicator	
Reference	Performance Indicator		Data Validation Source	Responsibility	Completion Date	Result	Timing	Comments
-	Delivered as part of normal business activities	Target	Data Vandation Source		-	Kesuit	Timing	
Company Disc.	Goal 3.2 - Protection of coastlines & water	SHAME S						
the production of the last contract the last confidence in the last		Ways						
3.2.1 Assess altern	native options to increase water sources							
Reference	Performance M	feasurement		Responsibility	Completion Date	Progress	Progress Indicator	Comments
neverence	Performance Indicator	Target	Data Validation Source	кефоницу	Compredon Date	Result	Timing	Comments
	Delivered as part of normal business activities			06		-		
3.2.2 Progress and	d support plans which protect coastal and	marine environme	nts					
12-17-10-00-00-00	Performance M	leasurement		040000044440	100000000000000000000000000000000000000	Progress	Progress Indicator	474.83323
Reference	Performance Indicator	Target	Data Validation Source	Responsibility	Completion Date	Result	Timing	Comments
3.2.2.a	Actions identified in the Livingstone Reef Guardian Action Plan completed	100% of actions identified for 2024-25 completed	Council business papers	Coordinator Natural Resource Management	Q4 (June 2025)	25%	As be deterred	O4: 56th working on projects as they are a 3 year plan. Q3: Oxford Road projects commenced. Q3: oxford Road projects commenced. Q4: Commonwealth funded projects underway; Solar Retrofit, Our Living Coast and Oxford Road Water Q4: Commonwealth funded projects underway; Solar Retrofit, Our Living Coast and Oxford Road Water Q43ifty and Habitat project. Contracts to be awarded in Q2:
3.2.2.b	Actions within Shoreline Management Plan implemented	100% of actions within plan implemented within identified timeframes and budget	Council business papers	Principal Sustainability Officer	Q4 (June 2025)	25%	To bir deferred	ON: Three projects have received funding and work will commence OI: 20.08/26 (6.6), Emu Park Main Beach and Maskers Beach). Q3: Budget items proposed for 25/26 yr. Q2: Council resolutions to progress specific actions in the Shoreline Management Plan for Emu Park Main Beach and Muskers Beach. Q1: Projects commenced under Reef Guardian funding at Bangalee and Todd Avenue and Lammermoor Beach Nature Based Resilience Project.
3.2.3 Collaborate	with partners to reduce sediments and nu		ys					
Reference	Performance M	leasurement		Responsibility	Completion Date	Progress	Progress Indicator	Comments
Reterence	Performance Indicator	Target	Data Validation Source	Responsibility	Completion Date	Result	Timing	Comments
3.2.3.a	Deliver events or clean-up projects that target effective waste management and pollution control e.g. sediment and erosion control, rubbish clean ups	2 events	ECM Funding Agreements	Coordinator Natural Resource Management	Q4 (June 2025)	0	Bo See deferred	Cal : All projects listed are in progress. Q3: Les Semple park project commenced. Q2: Urban stewardship program scheduled for February 2025. Q1: Erosion and Sediment Control Action Plan for Council developed by staff with Water by Design.

Page 5

3.2.4 Plan Counci	l's response to climate change by impleme	nting the actions i	n the Coastal Hazard	Adaptation Strategy				
NESS	Performance N			AA 97709	121 _ AV 02 _ 10751 .	Progress	Progress Indicator	Comments
Reference	Performance Indicator	Target	Data Validation Source	Responsibility	Completion Date	Result	Timing	Comments
3.2.4.a	Implement recommendations from Our Living Coast Strategy (Coastal Hazard Adaptation Strategy)	100% of actions implemented within identified timeframes and budget	Council business paper	Principal Sustainability Officer	Q4 (June 2025)	25%	To be deterred	Cd: No Change to comments as per shareline management plan. Q3: No change to comments. Q2: No Change to previous comments. Q1: Amual Action Plan developed and progressing.
3.2.5 Deliver and	implement a Livingstone Shire Carbon Stra	ategy						
Reference	Performance N	leasurement		Responsibility	Completion Date	Progress	Progress Indicator	Comments
weierence	Performance Indicator	Target	Data Validation Source	Responsibility	Completion Date	Result	Timing	Comments
3.2.5.a	Review the Low Carbon Livingstone 2030: A Strategy to reduce the Carbon Footprint in Livingstone Shire Council	Review of Strategy completed	Council business paper	Coordinator Natural Resource Management	Q1 (Sept 2024)	100%	Hern completed	C4: As per previous comments. Q3: As per previous comments. Q2: As per previous comments. Q1: Review of the Carbon Strategy Meeting Report adopted at 15 October 2024 Ordinary Council Meetin.
3.2.5.b	Implement the actions within the Low Carbon Livingstone 2030: A Strategy to Reduce the Carbon Footprint of Livingstone Shire Council	100% of actions for 2024-2025 implemented within identified timeframes and budget	Data from annual carbon audit	Principal Sustainability Officer	Q4 (June 2025)	25%	Robe different	C4: Key Facilities audit undertoken; Joined wide bay and Central queensland alkance. Q3: No Change to comments. Q2: No change to comments. Q1: Solar Street Ughts retrofit project underway.
Community Plan	Goal 3.3 - Conservation of natural assets							
3.3.1 Recognise,	preserve and enhance the region's unique	biodiversity						
	Performance N	leasurement	A.		Taxable Participation	Progress	Progress Indicator	≥ cmood_
Reference	Performance Indicator	Target	Data Validation Source	Responsibility	Completion Date	Result	Timing	Comments
3.3.1.a	Actions identified in the Biodiversity Strategy completed	100% of actions implemented within identified timeframes and budget	Council business papers	Coordinator Natural Resource Management	Q4 (June 2025)	25%	Table different	Out MAES Study continuing - this will be rolled into the Scheme review. Q3: MLES study underway. Q2: No change to comments. Q3: Ecotourism Destination Accreditation achieved in July 2024. Seven other projects in progress.
3.3.1.b	Rehabilitate six (6) new sites and maintain twelve (12) existing sites on Council controlled land	Six (6) new sites established and twelve (12) existing sites maintained	100% in line with annual programme	Project Officer Natural Resource Management Vegetation Rehabilitation Officer	Q4 (June 2025)	3 new	Tabe differed	Out 18s change to comments - ongoing project. Q2: No Change to comments. Q2: No Change storation, Oxfor Road reserve restoration, Oxfor Road reserve reserve restoration, Oxfor Road reserve reser
3,3.1.¢	Cycad salvage and mitigation projects - project initiation and maintenance	2 projects completed	Finance One ECM Survey 123	Community Nursery Supervisor	Q4 (June 2025)	2	To be deferred	GAT: Meeting project milestones, this is a onyoing funded project. This is a multi year project. Q3: No change to comments. Q2: No change to comments. Q1: Omya Bajool Marble Mine Project and Clarke Creek Windfarm Project.
3.3.2 Progress an	d support plans which protect the Shire's r		land and local eco-s	ystems				
Reference	Performance N	leasurement		Responsibility	Completion Date	Progress	Progress Indicator	Comments
Reference	Performance Indicator	Target	Data Validation Source	пеаропавли	Compression Date	Result	Timing	PO_0003-8000-80
	Delivered as part of normal business activities	<u> </u>	<u> </u>		*			
3.3.3 Manage thr property and the	munity groups and p	rivate landholders about land ma	inagement, protec	tion meth	hods including hazard	d reduction strategies and conservation policies to ensure the protection of people		
Reference	Performance N	leasurement		Darmanc Billiby	Completion Date	Progress	Progress Indicator	Comments
Reserence	Performance Indicator	Target	Data Validation Source	Responsibility	completion Date	Result	Timing	G. S.
3.3.3.a	Implement the Bushfire Management Operational Plan	100% of actions implemented within identified timeframes and budget	Bushfire Management Operational Plan / Funding Agreement / Milestone Reports	Coordinator Disaster Management & Community Resilience	Q4 (June 2025)	50%	To be deferred	24: Buthfre Mitigation Activities are angoing with inspections of priority parcels and fire trails progressing. Q3: Buthfre Management Plan adopted. Q2: Recruitment for this position will be occurring in Q3. Q3: Out to staffing shortages and the lack of a dedicated officer, Buthfire mitigation works have been deferred.

Page 6

LEADING LIVIN								
	tone' will provide transparent, accountab			of the Livingstone community a	nd advocates for L	ivingston	e's interests to State	and Federal Governments
	Goal 4.1 - Innovative & accountable leader							
4.1.1 Implementa			dinated across Coun	cil and through a delivery mecha	nism which provid			bility and performance measurement for all employees
Reference	Performance N Performance Indicator	feasurement Target	Data Validation Source	Responsibility	Completion Date	Progress Result	Progress Indicator Timing	Comments
4.1.1.0	tndividual performance plans in place for eligible employees	75% of eligible employees have a performance plan	Performance Management System reports	Principal Organisational Development and Coordinator HR & Payroll	Q4 (June 2025)	25%	them completed	As it as of the end of 64, 25% of eligible employees have a performance agreement set for PDS, PULSE Performance Review has gone size and will be used for recording PV25 Performance Reviews. This system will assist in reporting eligible employees have a performance reviewer/nptace. Q3: As at the end of 03, 25% of eligible employees have a performance agreement set for PV25. A new electronic performance appraisal system has been developed and will go live 1 July 2025. This will assist it ensuring eligible employees have a performance plan in place. Q2: As at the end of 02, 20% of eligible employees have a performance agreement set for PV25. Steps are continuing to be taken with areas to increase the number of performance agreements set for remainder or PV25. Q1: As at the end of 02, 13% of eligible employees have a performance agreement set for PV25. Steps are being taken to increase the number of performance agreements set druing 02.
4.1.1.b	Increase employee attendance (this is a 2024-2025 Organisational KPI)	>95% annualised	HR Reports	Executive Leadership Team	Q4 (June 2025)	95%	ttem completed	OB: Cound's annualised attendance rate at the and of Q3 is 95%. Q3: Cound's annualised attendance rate at the end of Q3 is 94.2%. Q2: Cound's annualised attendance rate at the end of Q2 is 94.1%. Q1: Cound's annualised attendance rate at the end of Q1 is 94.6%.
4,1.1.c	Corporate Plan reviewed within 6 months of March 2024 election	Corporate Plan adopted	Council business papers	Chief Financial Officer	Q2 (December 2024)	100%	Hem completed	Q4: The Community Plan 2030 was used to adopt the Operational Plan 2023-26 and Budget. Q3: The Community Plan 2030, was adopted by Council on 17 December 2024. Q2: The Corporate Plan 2030, will be replaced with the newly adopted Livingstone Community Plan 2030 from 1 July 2025. Q1: 23 responses received on the draft Community Plan 2030. Draft document to be circulated to Councillors in November, with a view to adopt at December Ordinary Council meeting.
4,1.1.d	Contribute to driving a performance culture through achievement of Operational Plan targets (this is a 2024-2025 Organisational KPI)	90% targets achieved	Operational Plan Report	Executive Leadership Team	Q4 (June 2025)	63%	Hem completed	Oct- Of the 63 activities, 40 are complete and 13 are 65 to deferred, Reasons for incomplete activities are switched in this document including awaiting automic of TLP process; conflicting priorities; resource availability project taking longer than antibipated; the weather; and assuring responses from external porties. Q3: Of the 63 activities, 53 are either complete or on track and 8 require monitoring. Q3: Of the 63 activities, 53 are either complete or on track and 6 require monitoring. Q1: Of the 63 activities, 50 are either complete or on track and 7 require monitoring.
4.1.2 Council proc	duces and delivers against sustainable fina	ncial forecasts as a	result of best practi	ce Capital and Asset Manageme	nt Plans which guid	e project	planning and service	
	Performance N		result of Best practi			Progress	Progress Indicator	
Reference	Performance Indicator	Target	Data Validation Source	Responsibility	Completion Date	Result	Timing	Comments
4.1.2.0	Strategic and Individual Asset Management Plan Improvement Items to be actioned as per Improvement Plan timelines	100% of items identified for 2024- 2025 completed	Asset Management Steering Committee	Coordinator Assets	Q4 (June 2025)	78%	To be diferent	Cal: The Criticality Management Plan and Framework is 92% complete and pending final endorsement by the Asset Steering Committee in August 2025. Migration of the Protricth and Stormwater models to Council's Assetic Predictor platform, including daulihood of sportings, was completed and accepted by varieties of the Asset Steering Committee and Stormwater models to Council's Assetic Predictor platform, including daulihood of sportings, was completed and accepted by varieties of the Protrict of Steering S

Page 7

Reference 4.1.4 Provide lead Reference	Performance No Performance Indicator Delivered as part of normal business activities dership and contemporary management sy Performance No Performance Indicator	Target ystems which drive	Data Validation Source a coordinated and c Data Validation Source	Responsibility onnected organisation Responsibility	Completion Date	Progress Result Progress Result	Progress Indicator Timing Progress Indicator Timing	Comments Comments Gait 50 Leaders attended the Co Leadership forum in June and included topics on a number of key messages and ainc information sharing on Regional Economic Dots: Leading toker was engaged to deliver a Leadership Program (6 s modules - kunch and learn) to Parks and Recilities Supervisors and Team Leaders. Dijective Leader delivered a Lunch and Leam (2 hour) session to Leaders and other interested 50%. The topic being Creating Syrchological Suley's 7 Managers completed on reading acompletion of the
4.1.2.e 4.1.3 A continuou	Outstanding rates at the end of each quarter (excluding prepayments) us improvement focus underpins the organ		Monthy Financial Report	Coordinator - Revenue & Rates	Q4 (June 2025)			3.08% 21/32/ Q3: Overdue Rates & Utilities as a % of Budgeted Revenue is 8.13% (was 7.69% March 24); Overdue Rates 8 Utilities as a % of Sevenue Generated is 8.74% (was 7.76% March 24). Q2: Overdue Rates & Utilities as a % of <u>Budgeted Revenue</u> is 4.76%; Overdue Rates & Utilities as a % of <u>Revenue Generated</u> is 10.38%. Q2: Rates were denerated in 10.38%. Q1: Rates were do on 25.09.2024 which was later than usual. However still tracking well at 11.87% (was 4% in June 2024).
4,1.2,8	Deliver cost effective services within approved budget (this is a 2024-2025 Organisational KPI)	Expenditure of Operational budgets are managed to within +/- 5%	Monthy Financial Report	Executive Leadership Team	Q4 (June 2025)	93%	Hem completed	CAT: Total operating expenditure is reported in the June 2015 Manthly Financial Report at 32.8% of Budget. This is a provisional resid with further expenditure occrudis to be gracested in July 2025 expected to inside this Stailable forset roward budget. Q3: Total operating expenditure is at 91.2% of the Year-to-Date budget. Finance & Governance are currently preparing Budget Review 2. Q2: Overall operating expenditure is at 92.6% of the YTD Budget. Q1: Overall operating expenditure is at 23% of the YTD Budget. Q1: Overall operating expenditure is at 23% of the YTD Budget. Officers are currently preparing Budget Review 1 for consideration of Council in December.
4.1.Z.c	Contribute to driving a performance culture through achievement of Capital Works targets (this is a 2024-2025 Organisational KPI)	90% targets achieved	Capital Works Report	Executive Leadership Team	Q4 (June 2025)	83.30%	To he deferred	C4: Cherall performance at 82.3% of 88% budget (588.7M). Commitments of 543.68%, indicating significant spend is planned for Mojas Projects being completed in 2025/26. Actual expenditure for 2024/25.5f 552.2M ended the year ways close to the Revised Estimate of (530.6%. Creditor and Payroll consult still to be processed as part of 60°FV and will likely being the final capital expenditure close to 88%. Q3: Overall performance at 50.1% of 88% budget (538.7M). Commitments continue to increase (544.5M) indicating significant planned project spend underway. Revised Year end estimate is (533.0M). Weather and contract award delays continue to hamper but should improve significantly for Q4. Q2: Overall performance at 32.7% of 88% budget (538.7M). High commitment levels (537.7M) should convert to significant spend in Q3/Q4 due to larger projects entering construction phase. 80% of plan is expected. Q1: TD start very slow with 8.3% of the adopted budget expended. Only 70-80% of budget expected on current progress. Flow on effect on 25/26 under discussion with a view to significant adjustment into 26/27.
4.1.2.b	Increase plant / fleet utilisation rates	90%	Conquest	Coordinator Procurement	Q4 (June 2025)	113.70%	In his deferred	Out: New doubloard nearly complexy, more occurate reporting on utilization achieved. Next step is to include EET in the reporting. Q3: Utilisation improving as work progresses on data validation. Working with LGAQ Data analytics to establish a PowerBit dashboard reporting platform. Q2: Currently working on new conquest update which will improve the reporting for fleet utilisation and accuracy of reporting. Q2: Results from the utilisation report (October) has identified that a review and reset of utilisation thresholds is required for some types of fleet. This will improve reporting accuracy and allow targeted actions to maintain optimal utilisation (90%-1007).

Page 8

4.1.5 Promote a v	alues-based culture which appreciates it a	nd empowers its v	vorkforce					
Reference	Performance M	leasurement		Responsibility	Completion Date	Progress	Progress Indicator	Comments
Reference	Performance Indicator	Target	Data Validation Source	Responsibility	Compredion Date	Result	Timing	
4.1.5.a	Drive employee engagement through demonstrating effective leadership, engagement and collaboration (this is a 2024-2025 Organisational KPI)	>70% Engagement >75% Manager Effectiveness (MEI)	Survey Results	Executive Leadership Team	Q4 (June 2025)	55% 71%	them completed	Out: Council has undertaken a range of initiatives aimed at positively shaping employee engagement and opportunition duffure. Q3: Since undertaking the annual engagement survey in October 2024, significant work has been undertaken to positively shift culture, including introducing Culture Groups, lowest scoring teams deep dive, CEO Awards of Excellence, Lunch with the CEO, End of Year staff Recognition Event and an All Staff Training Day. Q2: Council undertook their annual engagement survey in October 2024. Engagement results achieved include: Engagement Score - 55%, Manager Effectiveness Index - 21%. Results have been shared with all staff and work is underway in establishing Culture Teams. C1: 2024 Annual Engagement Survey closs 18.10 (2024, with results available shertly afterwards.
4.1.6 Risk manage	ement practices are embedded into decision	on making process					le.	
	Performance M				CALCOLO E LA COMPANIA DE CO	Progress	Progress Indicator	
Reference	Performance Indicator	Target	Data Validation Source	Responsibility	Completion Date	Result	Timing	Comments
4.1.6.a	Mitigation and risk reduction activities: - are informed by risk assessments - are prioritised based on risk assessments and available resources - are included in strategic and operational plans	100% of Council reporting milestones achieved	Quartiery updates to the LDMG	Local Disaster Coordinator and Coordinator Disaster Management and Community Resilience	Q4 (June 2025)	100%	flem completed	C3- Utern completed. Q2: Item completed. Q2: Item completed. Q3: Item completed. Q3: LDMG meeting conducted on 28 August 2024. LDMG Operational Plan was updated and discussed with the group.
4:1.6.b	Internal Audit - complete audit actions	100% of high and medium risk actions completed within timeframes	Audit committee business papers	Coordinator Governance	Q4 (June 2025)	100%	Item completed	CAC: 4 is Audit Actions completed within separating period (IX HIGH - 3)x MEDIUM/land all within agreed disefrances. Noting a total of 6 internal audit actions remain open, 5 of which are within agreed consequences. Q3: Five (S) audit action closed out within reporting period (5xHigh). Three (3) of which were closed out within agreed timeframes. Q2: A total of four (4) audit actions closed out within reporting period (IXHigh; 2xMedium; IXLow), of which zero (9) actions were closed out within agreed timeframes. Q1: A total of nine (9) audit action closed out within reporting period (7xHigh; 2xMedium). Five (S) of which were closed out within agreed timeframes.
4.1.6.c	Council statutory and community policies are current and reviewed within stated timeframes	>90%	Council business papers	Coordinator Governance	Q4 (June 2025)	93%	Rem completed	14:1 Nex (\$) of the seventy three (73) statutory and community policy documents remain overdise for resides. Q3: Seven (7) policy documents are due for review. Of these, two (2) are scheduled for the May Council meeting and another two (2) are scheduled for the June Council meeting. Q2: Currently there are thirteen (13) policy documents under review, four (4) have been scheduled to be presented at the February Council meeting. Q1: Of the outstanding policy documents, seven (7) are pending approval or scheduled for adoption at the upcoming Council meeting, and thirteen (13) are currently under review.
4.1.7 Recruit and	develop a professional, capable and respo			-				
Reference	Performance M Performance Indicator		Data Validation Source	Responsibility	Completion Date	Progress Result	Progress Indicator	Comments
4.1.7.a	Annualised Employee Turnover (excluding retirements & end temp engagements)	Target	Aurion	Coordinator HR & Payroll	Q4 (June 2025)	18.96%	Timing ttem completed	G4: Annualised tomover for the 24-25FV is 30-73%. Excluding retirements/fixed term contracts, the onnualised number and is 18-96%. Q3: Annualised turnover is trending at 20.51%. Excluding retirements/fixed term contracts, turnover is trending at 19.24%. Q2: Annualised turnover is trending at 17.08%. Excluding retirements/fixed term contracts, turnover is trending at 14.78%. Q3: Annualised turnover is trending at 17.27%. Excluding retirements/fixed term contracts, turnover is trending at 14.98%.
4.1.7.b	Workforce Plan meets current and future business and community expectations	80% of scheduled strategies for 2024-25 implemented	Workforce Plan	Principal Organisational Development	Q4 (June 2025)	80%	Item completed	G4: Counselo othered 80% of struttegies door were scheduled as o facus area for PT24-25. Q3: The 2019-2004 Worldforce Plan continues to be monitored to ensure 80% target is schieved. Some facus areas have been completed. Q2: The focus areas of the 2019-2024 Worldforce Plan continue to be monitored to ensure 80% target is achieved, with 55% of facus areas on track for completion or completed. Q1: Focus areas for the 2019-2024 Worldforce Plan for PT25 have been identified and work has commenced to ensure 80% of these strategies will be achieved.
4.1.7.c	Develop updated Workforce Plan (2025-2030) to align with reviewed Corporate Plan.	Worldorce Plan 2025- 2030 developed & approved	Worldorce Plan	Principal Organisational Development	Q4 (June 2025)	0%	To be deferred	Out Development of the Workforce Plan 2025-2030 has been deferred and will commence in the F231-26. Q3: Development of the Workforce Plan 2035-2030 has been deferred and will commence in the 25-2694. Q2: Revised LSC Community Plan 2030 was adopted at Council on 17 December 2024. Work will commence on development of the Workforce Plan 2025-2030. Q3: Development of the Workforce Plan 2025-2030 will commence once the new Community (Corporate) Plan 2030 is finalised/adopted.

Page 9

'4.1.7.d	High employee satisfaction with organisational programmes and professional development opportunities	80% participant satisfaction rate achieved	Survey Results	Principal Organisational Development	Q4 (June 2025)	95%	Item completed	Out During Q4f, 95% of porticipants who complete a feedack survey were either satisfied or very satisfied with the training. Q3: During Q3, 93% of participants who complete a feedack survey were either satisfied or very satisfied with the training. Q2: During Q3, 95% of participants who completed a feedback survey were either satisfied or very satisfied with the training. Q1: During Q1, 95% of participants who completed a feedback survey were either satisfied or very satisfied with the training.	
4.1.8 Provide for t	he safety, security, health and wellbeing o		es and contractors						
Reference	Performance M	easurement		Responsibility	Completion Date	Progress	Progress Indicator	Comments	
Reference	Performance Indicator	Target	Data Validation Source	Responsibility	Completion Date	Result	Timing	Comments	
4.1.8.a	Zero improvement or prohibition notices issued by WorkSafe Qld	Zero Improvement Notices	WorkSafe Qld	Coordinator Safety	Q4 (June 2025)	9	ttern completed	Cal Zee Improvement notices were issued during CA. During the F704-45, one (3) improvement Natice, seas Prohibition Notices and zero infringement Notices were issued. Q3: Zero improvement notices were issued during Q3. Q2: Zero improvement notices issued during this quarter. Q3: One improvement notice (2070550) received 27th Sept 2024.	
4.1.8.b	Local Government Workcare (LGW) external audit findings implemented	100% of actions identified for 2024-25 completed	Audit committee business papers	Coordinator Safety	Q4 (June 2025)	80%	Rem completed	Cel: Two [2] actions remain outstanding and have only been partially completed due to constraints such as weather [s.e. doesdoe nonitaring]. Remaining actions are aspected to be completed early in the new financial year. Completion is 80% of the Completed Completed (Sec. 1994). Q2: FY24-25 actions identified are in progress. Currently 59.2% completed. Q2: FY24-25 actions identified are in progress. Currently 36.5% completed. Q2: FY24-25 actions identified are in progress. Currently 36.5% completed.	
4.1.8.c	Proactively contribute to the safety, health and well being of our people (this is a 2024/2025 Organisational KPI)	Reduction in Lost Time Injury Frequency Rate <12.0	WHS Safety Committee	Executive Leadership Team	Q4 (June 2025)	10.56	Item completed	Gd: There were then (2) that time foliaries recorded during Gd. The 1004-025 lost time injury frequency (2,LTRA) rets has been reduced from 36.02 to 30.56. Q3: There was one (1) lost time injury during Q3. This has been the only LTI during the past eight (8) months. The annualised LTRR for the period ending 31 March 2025 is 15.82. Q2: There were rece lost time injuries during Q3. The LTRR has reduced to 15.78. Q3: There were three (3) lost time injuries during Q3. The annualised LTRR for period ending 30 September 2024 reduced to 12.99. Early reporting and intervention confinue to be a focus.	
Community Plan (Goal 4.2 - Collaboration & partnerships to	advocate for the n	eeds of the commun	ity					
THE RESIDENCE OF THE PARTY OF T	aintain strong, collaborative and co-opera		the best of the same of the sa	11.0	d community				
T.E.I Dana and III	Performance M		reross un revers or go	Vertificing industry, business und	care weeks severa	Progress	Progress Indicator		
Reference	Performance Indicator	Target	Data Validation Source	Responsibility	Completion Date	Result	Timing	Comments	
4.2.1.a	Engage local business and industry in Council procurement process to optimise local spend for economic benefit	Host two (2) Local Industry Forums	Council business papers	Chief Financial Officer	Q4 (June 2025)	50%	To be deferred	Oil: No further update from Q3: Q3: No further event has been planned for this current financial year. Will seek to work with internal stakeholders and Localibury with a view to provide capability and education opportunities for suppliers in 2025. Q2: Partnering for Progress: Procurement Breakfast was held on 6 November 2024, with many local businesses in attendance and actively engaging throughout. The next Event is scheduled for October 2025. Q1: Partnering for Progress: Procurement Breakfast Forum is to be held on 6 November 2024.	
4.2.2 Identify opp	ortunities for alignment between Council'	s interests and obj	ectives with those of	Federal and State Governments					
	Performance M			r	race representations	Progress	Progress Indicator	*shabond	
Reference	Performance Indicator	Target	Data Validation Source	Responsibility	Completion Date	Result	Timing	Comments	
-	Delivered as part of normal business activities	-	-	-	-	-			
4.2.3 Advocate Co	uncil's interests and objectives to govern	nent, industry, bus	iness, and communit	y to promote the Livingstone rep	gion at a national a	nd intern	ational level		
	Performance M				activity 1	Progress	Progress Indicator	2	
Reference	Performance Indicator	Target	Data Validation Source	Responsibility	Completion Date	Result	Timing	Comments	
-	Delivered as part of normal business activities	-		4	-	-			
4.2.4 Actively participate in Central Queensland Regional Organisation of Council's and other regional bodies to promote regional interests and objectives to government, industry, business, and community									
600000000000000000000000000000000000000	Performance M					Progress	Progress Indicator		
Reference	Performance Indicator	Target	Data Validation Source	Responsibility	Completion Date	Result	Timing	Comments	
4.2.4.a	Leadership (Hand over of Chair and Secretary to RRQ) of the COROC Organisation of Councils Ltd	Successful discharge and handover to RRC of company responsibilities compliant to Australian Securities and Investments	Council business papers	Mayor and CEO	Q2 (December 2024)	100%	Item completed	Od: Item completed. Q3: Item completed. Q2: CQROC Handover has occurred - now sitting with Rockhampton Regional Council. Q1: CQROC meeting held 23 August 2024 with Board endorsing the commencement of hand over of secretarial duties to Rockhampton Regional Council.	

Page 10

Community Plan	Goal 4.3 - Engagement with the communit	y as advisors & pa	rtners					
1.3.1 Plan, devel	op and implement high-quality customer-fo	ocused services						
Reference	Performance Measurement			Responsibility	Completion Date	Progress	Progress Indicator	Comments
	Performance Indicator	Target	Data Validation Source	неѕропзинку	Completion Date	Result	Timing	Commens
4,3.1.a	Improve customer experiences through closing out customer service requests on time 90% clo (this is a 2024-2025 Organisational KPI)	1	close out rate Pathway	Executive Leadership Team	Q4 (June 2025)	81.18%	ttem completed	C4: Customer close out rate for the period is 80 88%.
								Q3: Customer close out rate for the period is 81.75%.
		90% close out rate						Q2: Customer close out rate for the period is 81.21% for the period.
								Q1: Customer close out rate for the period is 81.18%. Work is being undertaken in all areas of Council to
								improve the overall customer experience.
1.3.2 Commit to	open and accountable governance to ensur	e community conf	fidence and trust in Co	ouncil and its democratic values				
Reference	Performance Measurement			D	Completion Date	Progress	Progress Indicator	Comments
Reference	Performance Indicator	Target	Data Validation Source	Responsibility	Completion Date	Result	Timing	Comments
	Percentage of procurement spend with local business	30% Moi	Monthly Financial Report	Coordinator Procurement	Q4 (June 2025)		To be different	Q4: Local Spend indicative of 20% due to the large value awarded to contractors based outside of the
						23%		region for major projects and/or suppliers with head offices located outside of region providing services.
								udthin LSC boundaries.
4.3.2.a								Q3: Currently running at 21% due to large tenders awarded to out of region companies.
4.3.2.3								Q2: Due to large capital projects being awarded to companies outside the Shire, this has dropped the
								percentage to 21%.
								Q1: 23% (\$4.03m) of spend YTD was with businesses located within the Shire boundaries. Target is 30% for
								this FY, note that is was 29% in 2023-24.
4.3.3 Take action	is to enable the use of meaningful tools to e	engage the commi	unity on diverse issue:	s so that the community is well	informed and can	contribute	to decision making	
Reference	Performance Measurement			Responsibility	Completion Date	Progress	Progress Indicator	Comments
	Performance Indicator	Target	Data Validation Source	Responsibility	Completion Date	Result	Timing	Commence
	Annual increase in Total Visit measure rates for Social Pinpoint software	10%	Get involved Software	Coordinator Communications & Engagement	Q4 (June 2025)	13%	Nem completed	O4: Visitors for O4 = 2451 (O4 2023-2024 was 5,933).
4.3.3.a								Q3: Visitors for Q3 = 3,903 (Q3 2023-24 was 3,064).
								Q2: Visitors for Q2 = 5,992 (Q2 2023-34 was 4,224).
								Q1: Visitors for Q1 = 6,431 (Q1 2023-24 was 3,432).

FUTURE LIVING	STONE							
A 'Future Livingst	one' will become a resilient community pr	epared for future	economic, social, env	ironmental, and infrastructure c	hallenges to ensur	e Livingst	one retains its unique	character and thrives into the future
	Gosi 5.1 - Balanced environmental and de-							
	clear and comprehensive planning vision for							
	Performance M					Progress	Progress Indicator	
Reference	Performance Indicator	Target	Data Validation Source	Responsibility	Completion Date	Result	Timing	Comments
5.1.1.a	Review and update the Local Government Infrastructure Plan	Council resolution	Council business papers	Coordinator Infrastructure Planning	Q4 (June 2025)	95%	the terrelapper cod	Get. a State Government Reviewe stage has been undertaken and Council has been notified that it may progress the CGIP Amendment to Public Consultation. The public consultation phase provides an apportunity for the community to when the amended is GIP and to make a submission. The public consultation period began on Briday & Jame 2025 and will Public hardway A Java 2025. Q3: In December, Council resolved to update the (GIP and notify the Minister requesting a State Interest Check. This is progressing. Q2: In December, Council resolved to update the LGIP and notify the Minister requesting a State Interest Check. This is progressing. Q1: In December, Council resolved to update the LGIP and notify the Minister requesting a State Interest Check. This is progressing. Q1: Final review of draft LGIP has been completed and will be presented to Council in Q2 for finalisation with the state government.
5.1.2 Balance dev	relopment within Livingstone Shire in acco		mmunity's desired er	ivironmental and economic out	comes			
Reference	Performance M		Tarana a	Responsibility	Completion Date	Progress	Progress Indicator	Comments
0.0000000000000000000000000000000000000	Performance Indicator	Target	Data Validation Source	100 CO		Result	Timing	1 K ad State (State)
E 1 2 Davider	Delivered as part of normal business activities rogram of master planning, place making	and improvement	etratagles to aut	local identity and lifest de	-		-	
5.1.3 Develop a p	Performance M		strategies to ennance	local identity and lifestyle		1.		
Reference	Performance Indicator		I a	Responsibility	Completion Date	Progress Result	Progress Indicator	Comments
	Delivered as part of normal business activities	Target	Data Validation Source	70h 170h		nesun	Timing	
E 1.4 Callabarata	with partners to understand, nurture and	nuntrat Curat Van	nal telandia antirania	antal walusa which hala chawsa	en lite continue taccele		ini -	
5.1.4 Collaborate	Performance M		pei isiana s environm	ental values which help showca	se its unique touris			
Reference			I service a	Responsibility	Completion Date	Progress Result	Progress Indicator	Comments
	Performance Indicator	Target	Data Validation Source			Result	Timing	
5.1.4.a	Advocating for the delivery of the Great Keppel Island master plan project priorities	Priority projects comenced	Queensland Government	Manager Economy & Places	Q4 {June 2025}	100%	item completed	at Sewage Treatment Plant 10% detail design completed for five pockages of work, remaining package of works has had dolf detail design completed. Contractor seeking to mabilise to site mid to late August 2025. Which a two-stage construction supression of Interest process commencing 28 July 2025, and awarding seril Nevember 2025 with a two-stage construction supression of Interest process commencing 28 July 2025, and awarding seril Nevember 2025 with a two-stage construction package of Interest process commencing 28 July 2025, and awarding seril Nevember 2025. Cast Severage Treatment Plant - The design is 80% completed. Arrival Plaza: Wilson is progressing with 50% detail design. Tennoy tender closed, Boardvalks: Godech investigation completed, working towards a COS detail design submission by May. Wayfinding: Trail mapping complete and data provided to DotDash. Working towards a draft detail design by end of first week of May. Q.2. Severage Treatment Plant detail design by end of first week of May. Q.2. Severage Treatment Plant design and construct tender awarded, concept design for Arrivals Plaza completed, detailed design tender due for release January 2025, signage and wayfinding project awarded. Click IM Austerpala progress top priority for State Election priority project list provided to candidates.
and the same of th	Goal 5.2 - Connected places, people & serv		1981		1994 - 10 - 10 - 10 - 10 - 10 - 10 - 10 - 1			
5.2.1 Implement a	an integrated transport strategy which end		e transport usage to	maximise economic, environme	ntal and liveability	-		
Reference	Performance M			Responsibility	Completion Date	Progress	Progress Indicator	Comments
, APPERTURED	Performance Indicator	Target	Data Validation Source		42/19/2003/00/22 10 .	Result	Timing	
F 2 2 Deleter	Delivered as part of normal business activities	-						
5.2.2 Reinforce su	ustainable building design principles				1	1.		
Reference	Performance M		I second a se	Responsibility	Completion Date	Progress	Progress Indicator	Comments
	Performance Indicator	Target	Data Validation Source	TO AND THE RESERVE OF THE PERSON OF THE PERS		Result	Timing	TO WOOD PROPERTY.
	Delivered as part of normal business activities			*	_		-	
5.2.3 Adopt and it	mplement a Connected Livingstone Strate		ment opportunities in	the region	,			
Reference	Performance M		T	Responsibility	Completion Date	Progress	Progress Indicator	Comments
PERSONAL TO A STATE OF THE STAT	Performance Indicator	Target	Data Validation Source	SENSET CONTROLLED		Result	Timing	
-	Delivered as part of normal business activities	-			-	<u> </u>	. ~	

Quarter 4 2023-2024 Operational Plan

5.2.4 Integrate te	echnology and innovative solutions into Co	uncil's operations	and community prog	rams to increase efficiency, prov	ride excellent custo	omer serv	ice outcomes, encou	rage entrepreneurship and community engagement
Reference Performance Measurement		Responsibility	Completion Date Progress	ss Progress Indicator	Comments			
Reference	Performance Indicator	Target	Data Validation Source	Responsibility	Result Result	Result	Timing	Comments
5.2.4.a	Project Merlin - Phases one and two of Council's ERP Business systems transformation project completed	100% of project delivered within timeframe and budget	Portfolio Governance Group Status Report	Chief Information Officer	Q4 (June 2025)	100%	ttem completed	Of: Completed. Q3: Project Merlin project closed in Q1. Q2: Project Merlin project closed in Q1. Q2: Project Merlin project closed in Q1. Q1: Project Gosed and planning underway for remaining systems.
5.2.4.b	Increased usage of online services	Increase	Council business papers	Chief Information Officer	Q4 (June 2025)	100%	Item completed	Oat: MALVie Agent Chat Sessions initiated. Total of online interactions = 5,310. Q2: Nil Live Agent Chat sessions initiated. Total of online interactions = 6,432. Q2: 76 Live Agent Chat sessions initiated. Total of orline interations (new users, customer requests, payments, applications, bookings, animal registrations) = 504 HAI 303. Q2: Online customer service chat fruction released with great community uptake.
Community Plan	Goal 5.3 - Community capacity & resilienc	e in respect of futu	re risk					
5.3.1 Maintain th	e ability to respond to disaster events und	er the disaster ma	nagement arrangeme	ents				
Reference	Performance N	Measurement		Responsibility	Completion Date	Progress	Progress Indicator	2 075 0000 (80)
Neserence	Performance Indicator	Target	Data Validation Source	Responsibility	Completion Date	Result	Timing	Comments
5.3.1.a	Disaster management plans are fit for purpose and meet community's needs	Local Disaster Management Plan endorsed by Local Disaster Management Group	LDMG Minutes	Coordinator Disaster Management & Community Resilience	Q4 (June 2025)	100%	then completed	Od: Completed. Q3: Item completed. Q2: Item completed. Q2: Item completed. Q2: Item sompleted. Q1: Local Disaster Management Plan (LDMP) reviewed by Local Disaster Management and endorsed at the 12 June 2024 meeting. The LDMP adopted at the Ordinary Council meeting on 16 July 2024.
53.1.b	Number of community engagement activities conducted / events attended to promote the Get Ready Queensland message	2	Council business papers	Coordinator Disaster Management & Community Resilience	Q4 (June 2025)	4	Item completed	GB: Completed. QB: Ten completed. QB: Ten completed. QB: Conducted/attended: Mariborough Lions Xmas in the Park; 2 x Disaster preparedness group tours of the Hult; Get Ready Social Media campaign and kids competition. QL: Conducted/attended: - Beach Day Out; - 3 x x-hool presentations; and - presentation at the LSC Youth Room.
5.3.2. Enhance th	e community's preparedness for disaster t	hrough community	education, training	and strong partnerships between	n Council and othe	r agencies		The state of the s
Reference	Performance N	1		Responsibility	Completion Date	Progress	Progress Indicator	Comments
	Performance Indicator	Target	Data Validation Source			Result	Timing	
F 2 2 Dlan 4h	Delivered as part of normal business activities	allowation and distance	L				*	
5.3.3 Plan the response to changes in social, economic and climatic conditions								
Reference	Performance Measurement Performance Indicator Target Data Validation Source		Responsibility	Completion Date	Progress Result	Progress Indicator	Comments	
	Delivered as part of normal business activities	Target	Data Validation Source	(*)		nesun	Timing	1 page 4500 AV
5.3.4 Partner with agencies to develop programs for the protection of all members within the commu							· · · · · · · · · · · · · · · · · · ·	
Performance Measurement Document Program Indicators					199-26 CS-49 (2796)			
Reference	Performance Indicator	Target	Data Validation Source	Responsibility		Result	Timing	Comments
	Delivered as part of normal business activities		-		,-	-	-	
			l					

13.6 DEVELOPMENT PERMIT FOR A RECONFIGURING A LOT FOR A RECONFIGURING A LOT FOR ONE (1) INTO 77 RESIDENTIAL LOTS AND ONE ENVIRONMENT AND DRAINAGE LOT (STAGES 1-4), ON LOT 2 ON RP617670, AND LOCATED AT 1-41 NEVILLE STREET, MULAMBIN QLD 4703

File No: 235/2024

Attachments: 1. Location and Aerial View

2. Overlay Maps 1-41 Neville Street

3. ROL Plans

4. Sewer Network Analysis

5. Stormwater Management Plan

6. Flood Impact Assessment

7. 1st Environmental Report

8. 2nd Environmental Report

Coastal Hazard Assessment
 Bushfire Management Plan

11. Matrix Summarising Public Submissions

Responsible Officer: Greg Abbotts - Manager Development and Environment

Andrea Ellis - Acting General Manager Communities
Alastair Dawson - Interim Chief Executive Officer

Author: Greg Abbotts - Manager Development and Environment

Murray Smith - Support Services Officer

SUMMARY

Development Permit for a Reconfiguring a Lot for a Reconfiguring a Lot for One (1) into 77 residential lots and One Environment and Drainage Lot (Stages 1-4), made by Red Emperor Pty Ltd, on Lot 2 on RP617670, and located at 1-41 Neville Street, Mulambin QLD 4703.

OFFICER'S RECOMMENDATION

RECOMMENDATION A

That in relation to the Development Application D-235-2024 for a Development Permit for a Reconfiguring a Lot for a Reconfiguring a Lot for One (1) into 77 residential lots and One Environment and Drainage Lot (Stages 1-4), made by Red Emperor Pty Ltd, on L 2 RP 617670, and located at 1-41 Neville Street, Mulambin QLD 4703, Council resolves to Approve the application pursuant to Section 60(3)(b) of the *Planning Act 2016* for the following reasons:

- (i) The development is consistent with the Strategic Framework of the Planning Scheme.
- (ii) The development does not comply with Specific Outcome PO11 of the Reconfiguring a Lot Code as the resulting sizes of the residential lots do not meet the minimum dimension requirements in Table 9.3.3.4.2. However, despite the non-compliance, the development is considered consistent with the purpose of the Reconfiguring a Lot Code, noting:
 - The proposed development is orderly and logical infill development, consistent with the surrounding pattern of development;
 - The road network and lot configuration integrates well into its urban context;
 - Rural zoned lots that are on the northern side of the development are already fragmented, and are used as 'lifestyle lots', rather than rural production;
 - The land is not otherwise able to be utilised for rural production, and has never been used for this purpose;
 - Urban land use and subdivision is the highest and best use or the land, noting

the site's location, availability of infrastructure and need for housing;

- The development eliminates opportunity for rural/residential land use interface issues; and
- The natural hazard risk applying to the land is able to be satisfactorily mitigated.
- (iii) The development complies with other relevant assessment benchmarks, or can be conditioned to comply with those benchmarks.
- (iv) The development is consistent with the Strategic Framework of the Planning Scheme.
- (v) The development does not compromise the achievement of state interests natural hazards, risk and resilience outlined in the State Planning Policy.
- (vi) The development does not compromise the achievement of regional outcomes outlined in the Central Queensland Regional Plan.

On balance, the application should be approved because the relevant planning circumstances favour Council exercising its discretion to approve the application notwithstanding the application's non-compliance with one aspect of one assessment benchmark.

RECOMMENDATION B

That in relation to the application for a Development Permit for a Reconfiguring a Lot for a Reconfiguring a Lot for One (1) into 77 residential lots and One Environment and Drainage Lot (Stages 1-4), made by Red Emperor Pty Ltd, on L 2 RP 617670, and located at 1-41 Neville Street, Mulambin QLD 4703 Council resolves to Approve the application subject to the following conditions:

1.0 ADMINISTRATION

- 1.1 The Developer is responsible for ensuring compliance with this approval and the Conditions of the approval by an employee, agent, contractor or invitee of the Developer.
- 1.2 Where these Conditions refer to "Council" in relation to requiring Council to approve or to be satisfied as to any matter, or conferring on the Council a function, power or discretion, that role of the Council may be fulfilled in whole or in part by a delegate appointed for that purpose by the Council.
- 1.3 All conditions of this approval must be undertaken and completed to the satisfaction of Council, at no cost to Council.
- 1.4 All conditions, works, or requirements of this approval must be undertaken and completed prior to the issue of the Compliance Certificate for the Survey Plan, unless otherwise stated.
- 1.5 Where applicable, infrastructure requirements of this approval must be contributed to the relevant authorities, at no cost to Council prior, to the issue of the Compliance Certificate for the Survey Plan, unless otherwise stated.
- 1.6 The following further Development Permits must be obtained prior to the commencement of any works associated with its purposes:
 - 1.6.1 Operational Works:
 - (i) Road Works;
 - (ii) Access Works;
 - (iii) Sewerage Works;
 - (iv) Water Works;
 - (v) Stormwater Works;
 - (vi) Site Works:

- (vii) Vegetation clearing;
- (viii) Landscaping Works;
- (ix) Amended Ecological Assessment;
- (x) Environmental Management Plan;
- (xi) Rehabilitation Plan;
- (xii) Soil Erosion and Sediment Control; and
- (xiii) Amended Bushfire Hazard Assessment and Management Plan.
- 1.7 All Development Permits for Operational Work must be obtained prior to the issue of any Development Permit for Building Works (retaining walls).
- 1.8 Unless otherwise stated, all works must be designed, constructed and maintained in accordance with the relevant Council policies, guidelines and standards.
- 1.9 All engineering drawings/specifications, design and construction works must comply with the requirements of the relevant *Australian Standards* and must be approved, supervised and certified by a Registered Professional Engineer of Queensland.

2.0 APPROVED PLANS AND DOCUMENTS

2.1 The approved development must be completed and maintained generally in accordance with the approved plans and documents, except where amended by the conditions of this permit:

Plan/Document Name	Plan/Document Reference	<u>Dated</u>
Locality Plan and	2415-P01-E	9 April 2025
Schedule of Drawings		
Overall Layout and Key	2415-P02-D	9 April 2025
Plan		
Plan of Development	2415-P03-D	9 April 2025
Sheet 1		
Plan of Development	2415-P04-D	9 April 2025
Sheet 2		
Plan of Development	2415-P05-D	9 April 2025
(Aerial Image) Sheet 1		
Plan of Development	2415-P06-D	9 April 2025
(Aerial Image)Sheet 2	0445 505 5	
Road Hierarchy Plan	2415-P07-D	9 April 2025
Sheet 1	0445 000 0	0.4 1.0005
Proposed Typical Road	2415-P08-D	9 April 2025
Cross Sections	0445 000 5	04 1-1-0005
Roadworks and	2415-P09-E	21 July 2025
Stormwater Drainage Plan Sheet 1		
Roadworks and	2415-P10-E	21 July 2025
Stormwater Drainage Plan	2415-F10-E	21 July 2025
Sheet 2		
Typical Site Cross	2415-P11-B	21 July 2025
Sections Sheet 1	211011113	21 daily 2020
Typical Site Cross	2415-P12-B	21 July 2025
Sections Sheet 2		
Sewer Network Analysis		25 November 2024
Report for 1-41 Neville		
Street, Mulambin		
Coastal Hazard	BE240146-RP-CHA-02	October 2024
Assessment		
Site-based Stormwater	2415-SBSMP-01 – Version 4.0	July 2025
Management Plan		

Plan/Document Name	Plan/Document Reference	<u>Dated</u>
Flood Impact Assessment	25-0703.FIA-01A	July 2025

- 2.2 Where there is any conflict between the conditions of this approval and the details shown on the approved plans and documents, the conditions of approval must prevail.
- 2.3 If after the issue of this Decision Notice Approval for construction, errors, omissions or insufficient details are noted on the approved plans, such deficiencies must be corrected prior to construction, or if noted during construction, approval obtained from Council to correct the error, omission or deficiency. Council reserves the right to withhold approval of construction until such remedies are complete and accepted.
- 2.4 Where the approved plans or the *Capricorn Municipal Development Guidelines* are silent on any matter regarding specifications for materials (to be permanently incorporated into the works) or silent on any matter regarding construction standards, the specified requirements in the *Standard Specification Roads* (Main Roads) and *Standard Drawings Roads* (Main Roads) must prevail. For water supply and sewer infrastructure, the relevant Australian Standard should be used to address any relevant matter where the *Capricorn Municipal Development Guidelines* are silent.
- 2.5 Where conditions require the above plans or documents to be amended, the revised document(s) must be submitted for approval by Council prior to the submission of a Development Application for Operational Work.

3.0 STAGED DEVELOPMENT

- 3.1 This approval is for a development to be undertaken in four discrete stages, namely:
 - 3.1.1 Lot 1 to Lot 17 and Lots 26, 27, 28 and Lots 68, 69 and 70 (Stage One);
 - 3.1.2 Lot 18 to Lot 25 and Lot 29 to Lot 43 and Lots 71 and 72 (Stage Two);
 - 3.1.3 Lot 44 to Lot 53 and Lots 66, 67, and Lot 73 (Stage Three);
 - 3.1.4 Lot 54 to Lot 65 and Lots 74 to Lot 77, and the Environment and Drainage Lot (Stage Four);

in accordance with the approved overall layout and key plan (refer to condition 2.1). The stages are required to be undertaken in chronological order.

3.2 Unless otherwise expressly stated, the conditions must be read as being applicable to all stages.

4.0 LAND TRANSFER

- 4.1 The applicant shall submit, prior to any Operational Work application, amended layout plans that clearly identifies the lot or lots that will be transferred Council. The Environment and Drainage Lot to the west of Lots 52 56 and the Swales between Lots 48 and 49 and Lots 54 and 55 being transferred to Council must be allocated a specific lot number or lot numbers.
- 4.2 All land to be transferred to Council as "Fee simple" or as "Fee simple on trust" at no cost to Council.
- 4.3 The Environment and Drainage Lot to the west of Lots 52 56 and the Swales between Lots 48 and 49 and Lots 54 and 55 shall be transferred to Council upon registration of the Survey Plan for Stage 3 or Stage 4.

5.0 ROAD WORKS

- 5.1 A Development Permit for Operational Works (road works) must be obtained prior to the commencement of any road works associated with the development
- 5.2 All works must be designed and constructed in accordance with the approved plans (refer to condition 2.1), Capricorn Municipal Development Guidelines, relevant Australian Standards and the provisions of a Development Permit for Operational Works (road works).

- 5.3 Any application for a Development Permit for Operational Works (road works) must demonstrate that all new roads and road reserves included in the application connect with existing constructed road(s) within and road reserve(s) at the time of making the application.
- 5.4 The proposed Road 2 and Road 3 must be designed and constructed to Urban Access Street standard, with kerb and drainage infrastructure, in accordance with Capricorn Municipal Development Guidelines.
- 5.5 The proposed Road 1 must be designed and constructed to Urban Minor Collector standard, with kerb and drainage infrastructure, in accordance with *Capricorn Municipal Development Guidelines*.
- A temporary sealed turning area must be constructed on any temporary terminating road at the boundary of the stage. The temporary sealed turning area must permit the unimpeded development of the adjacent allotments. This may require extensions to the road pavement, to the road reserves and/or provision of easements on the extensions of these roads.
- 5.7 The horizontal alignment of the proposed Road 1 near the proposed Lot 42 must be amended to be bent towards the west before connecting to existing Bluff Crescent. Details must be provided under any application of Operational Works (road works).
- 5.8 Traffic signs and pavement markings must be provided in accordance with the *Manual of Uniform Traffic Control Devices Queensland*. Where necessary, existing traffic signs and pavement markings must be modified in accordance with the *Manual of Uniform Traffic Control Devices Queensland*.
- 5.9 Any application for a Development Permit for Operational Works (road works) must include details of the Council approved road names for all new roads.
- 5.10 Retaining structures must not be constructed within road reserves.

6.0 ACCESS WORKS

- 6.1 All vehicular access to and from proposed Lots must be via the proposed new roads at their frontage only. Direct vehicular access to Neville Street and Beachside Court is prohibited.
- 6.2 A Development Permit for Operational Works (access works) must be obtained prior to the commencement of any access and parking works on the site.
- 6.3 All works must be designed and constructed in accordance with the approved plans (refer to condition 2.1), Capricorn Municipal Development Guidelines, Australian Standard AS2890 "Off Street Car Parking" and the provisions of a Development Permit for Operational Works (access works).
- 6.4 The proposed shared access for proposed Lot 31 and 32 must be designed and constructed in general in accordance with the approved plans, prior to endorsement of the survey plan.
- 6.5 The geometry of the proposed swale drain along the proposed new roads must comply with the requirement related to the maximum gradient and maximum change of gradient of access on *Australian Standard AS2890 "Off Street Car Parking"*.
- 6.6 Stormwater runoff from parking and vehicular manoeuvring areas must be collected on the site and drained to a lawful point of discharge in accordance with *Queensland Urban Drainage Manual*.
- 6.7 All vehicle operations associated with the proposed use must be directed by suitable directional, informative, regulatory or warning signs in accordance with *Australian Standards AS1742.1 "Manual of Uniform Traffic Control Devices"*.

7.0 SEWERAGE WORKS

7.1 A Development Permit for Operational Works (sewerage works) must be obtained prior to the commencement of any sewerage works on the site.

- 7.2 All works must be designed and constructed in accordance with the approved plans (refer to condition 2.1), Capricorn Municipal Development Guidelines, Water Supply (Safety and Reliability) Act, Plumbing and Drainage Act and the provisions of a Development Permit for Operational Works (sewerage works).
- 7.3 The development must be connected to Council's reticulated sewerage.
- 7.4 Each lot must be provided with a separate sewer connection point, located wholly within its respective property boundary.
- 7.5 The existing Sewer Pump Station at Bluff Crescent must be upgraded in accordance with the approved Sewer Network Analysis (refer to Condition 2.1), at no cost to Council.
- 7.6 Under any application of Operational Works (sewerage works), a detailed design of the sewer network must be provided, in general accordance with the scheme under the approved Sewer Network Analysis (refer to Condition 2.1).
- 7.7 Easements must be provided over all sewerage infrastructure located within private property. The easement location(s) and width(s) must be in accordance with the requirements of the *Capricorn Municipal Development Guidelines*.
- 7.8 The finished sewerage access chamber surface must be at a sufficient level to avoid ponding of stormwater above the top of the chamber.

8.0 WATER WORKS

- 8.1 A Development Permit for Operational Work (water works) must be obtained prior to the commencement of any water works on the site.
- 8.2 All works must be designed and constructed in accordance with the approved plans (refer to condition 2.1), Capricorn Municipal Development Guidelines, Water Supply (Safety and Reliability) Act, Plumbing and Drainage Act and the provisions of a Development Permit for Operational Works (water works).
- 8.3 The development must be connected to Council's reticulated water and must be provided with its own separate water connection point, located wholly within its respective property boundary.
- 8.4 Under any application of Operational Works (water works), a detailed design of the water network must be provided.
- 8.5 Water meter boxes located within trafficable areas must be raised or lowered to suit the finished surface level and must be provided with heavy duty trafficable lids.

9.0 STORMWATER WORKS

- 9.1 A Development Permit for Operational Works (stormwater works) must be obtained prior to the commencement of any stormwater works on the site.
- 9.2 All stormwater drainage works must be designed and constructed in accordance with the approved plans (refer to condition 2.1), Queensland Urban Drainage Manual, Capricorn Municipal Development Guidelines, sound engineering practice and the provisions of a Development Permit for Operational Works (stormwater works).
- 9.3 All stormwater including roof water and allotment runoff must achieve demonstrated lawful discharge and must not adversely affect the upstream or downstream land or damage infrastructure when compared to pre-development condition by way of blocking, altering or diverting existing stormwater runoff patterns or cause an actionable nuisance.
- 9.4 The potential pollutants in stormwater runoff, discharged from the site must be managed in accordance with Urban Stormwater Quality Planning Guidelines and State Planning Policy.
- 9.5 Any future building design which is within coastal hazard overlay under Livingstone Planning Scheme 2018 must comply with recommended floor levels with respect to

- one (1) percent probability storm tide event or in accordance with Schedule 9 requirements of the Livingstone Planning Scheme 2018 where otherwise required. To avoid any doubt, the minimum habitable floor level for the building structure within coastal hazard overlay under Livingstone Planning Scheme 2018 must be 5.2 metres Australian Height Datum.
- 9.6 Any application for Operational Works (stormwater works) must include a Master Stormwater Management Plan (Quantity and Quality), prepared and certified by a Registered Professional Engineer of Queensland, which as a minimum includes:
 - 9.6.1 identification of drainage catchment and drainage sub-catchment areas for the pre-development and post-development scenarios including a suitably scaled stormwater master plan showing the abovementioned catchment details and lawful point(s) of discharge that comply with the requirements of the Queensland Urban Drainage Manual; an assessment of the peak discharges for a range of design rainfall events up to and including the one in one hundred year rainfall event (100 year Average Recurrence Interval) for a range of storm durations including critical storm duration, for the predevelopment and post-development scenarios:
 - 9.6.2 details of any proposed on-site detention / retention systems and associated outlet systems required to mitigate the impacts of the proposed development on downstream lands and existing upstream and downstream drainage systems;
 - 9.6.3 identification and detailed design of all new drainage systems, and modifications to existing drainage systems required to adequately manage stormwater collection and discharge from the proposed development;
 - 9.6.4 demonstration of how major design storm flows are conveyed through the subject development to a lawful point of discharge in accordance with the Queensland Urban Drainage Manual and the Capricorn Municipal Development Guidelines. The stormwater discharge strategy must be generally in accordance with the approved plans (refer to Condition 2.1), unless otherwise specified;
 - 9.6.5 identification of the area of land inundated as a consequence of the minor and major design storm events in the catchment for both the predevelopment and post-development scenarios;
 - 9.6.6 identification of all areas of the proposed development, and all other land (which may include land not under the control of the developer), which needs to be dedicated to, or encumbered in favour of Council or another statutory authority, in order to provide a lawful point of discharge for the proposed development. The areas identified must satisfy the requirements of the Queensland Urban Drainage Manual. All land proposed as major overland flow paths must include appropriate freeboard, access and maintenance provisions consistent with the Queensland Urban Drainage Manual;
 - 9.6.7 Storage calculations, detailed designs for the inlet and outlet systems for the proposed detention systems;
 - 9.6.8 MUSIC model demonstrating the proposed stormwater quality treatment facilities can meet the design objectives on State Planning Policies.
 - 9.6.9 Detail design calculations for all proposed energy dissipaters (i.e. rock protection areas) by taking into account permissible velocity and frequency/duration details in accordance with the provisions of Queensland Urban Drainage Manual.
 - 9.6.10 Details to demonstrate vehicular, pedestrian amenity and safety criteria are met in accordance with Queensland Urban Drainage Manual;

- 9.6.11 Ongoing maintenance and management actions required with regard to detention and retention systems. and
- 9.6.12 Details of all calculations, assumptions and data files (where applicable).
- 9.7 Any land dedicated over the major overland flow paths or major drainage system must be able to contain all earthworks, batters and include access, maintenance and freeboard provisions consistent with the Queensland Urban Drainage Manual.
- 9.8 The proposed retaining structure along the western boundary of the development must be within the proposed Lots 52 56.
- 9.9 Any proposed retaining structure along the eastern boundary of the subject lot must be fully within the proposed Lots 26 32. Drainage easement(s) must be dedicated in favour of Council (at no cost to Council) to provide drainage corridors suitable for the conveyance of peak stormwater flows through the subject land during a 100 year Average Recurrence Interval (ARI) rainfall event, between the proposed retaining structure and the eastern boundary of these lots. Hydraulic calculations must be submitted to demonstrate the sizing of these easements is adequate, to ensure that any stormwater can be contained within Lots 26 32 without causing any nuisance to neighbouring properties. Similar approach must be conducted if any retaining structure is proposed along the boundary of the subject lot adjacent to existing neighbouring properties.

10.0 DRAINAGE WORKS

- 10.1 The culvert crossing at Bluff Crescent must be upgraded in accordance with the approved hydraulic modelling undertaken in the Flood Impact Assessment (refer to condition 2.1). inlets must be fitted with debris deflectors, and safety barriers provided where required. Technical details of the upgrade works must be included in the Operational Work (stormwater works) application.
- 10.2 Existing culverts that may pose a siphon hazard must be signed, fenced, or screened appropriately as described in the FIA report, which if left unrestricted could pose a safety hazard to the public, and particularity small children.
- 10.3 All back of wall drainage must be directed to the kerb and channel in accordance with best engineering practices to achieve lawful discharge. Details of such drainage is to be included in the operational works application for the relevant stage.

11.0 GROUND WATER INVESTIGATION

11.1 A groundwater investigation must be carried by a suitably qualified and experienced groundwater professional in accordance with recognised best practice and relevant Australian Standards. The investigation must rigorously determine the existing groundwater regime, including seasonal variations, and assess potential impacts of the development on stormwater quantity and quality systems, and drainage function. The investigation findings and any recommended mitigation measures must be documented in a report and submitted through an Operation Work application.

12.0 RETAINING/REVETMENT WALLS

- 12.1 Retaining structures or similar must be provided along the northern development boundary to allow sufficient Neville Street swale capacity and conveyance in accordance with the hydraulic modelling undertaken in the Flood Impact Assessment (refer to condition 2.1). Details of these structures is to be included in the Operational Work application for the relevant stage.
- 12.2 The structural design of all retaining walls above one (1) metre in height must be separately and specifically certified by a Registered Professional Engineer of Queensland as part of the Operational Works submission. A Registered Professional Engineer of Queensland must on completion certify that all works are compliant with the approved design.

- 12.3 A Development Permit of Building Works must be obtained prior to commencement of any retaining structures associated with the development.
- 12.4 Retaining structures must be designed and constructed fully within a lot. Retaining structure must not be constructed on road reserve or any lot to be dedicated to Council. To avoid any doubt, the proposed retaining structure along the western side of the development must be fully within the proposed Lots 52 to 56. Boundaries of the lots must be amended to meet this requirement on the application of endorsement of the Survey Plans.

13.0 SITE WORKS (EARTHWORKS)

- 13.1 A Development Permit for Operational Work (site works (earthworks)) must be obtained prior to the commencement of any site works.
- 13.2 Any application for a Development Permit for Operational Works (site works) must be accompanied by an earthworks' plan which clearly identifies the following:
 - 13.2.1 the location of cut and/or fill:
 - 13.2.2 the type of fill to be used and the manner in which it is to be compacted;
 - 13.2.3 the quantum of fill to be deposited or removed and finished cut and/or fill levels:
 - 13.2.4 details of any proposed access routes to the site which are intended to be used to transport fill to or from the site; and
 - 13.2.5 the maintenance of access roads to and from the site so that they are free of all cut and/or fill material and cleaned as necessary.
- 13.3 Each allotment must be designed so as to be flood free in a one in one hundred year flood event (100 year Average Recurrence Interval).
- 13.4 Easements must be provided over all land assessed to be within the one in one hundred year rainfall event (100 year Average Recurrence Interval) inundation area.
- 13.5 Site works must be constructed such that they do not, at any time, in any way restrict, impair or change the natural flow of runoff water, or cause a nuisance or worsening to adjoining properties or infrastructure.
- 13.6 Any proposed works within the vicinity (or zone of influence) of existing Council infrastructure must not adversely affect the integrity of the infrastructure. Any restoration works required on existing Council infrastructure as a result of proposed works must be undertaken at no cost to Council.

14.0 ACID SULPHATE SOILS

- 14.1 Any application for a Development Permit for Operational Work (site works) must be accompanied by a preliminary site investigation into acid sulphate soils in accordance with State Planning Policy 2/02 Planning and Managing Development Involving Acid Sulfate Soils. If preliminary testing indicates that acid sulphate soils are present in the areas to be excavated, a more detailed acid sulphate soil investigation must be completed, and an appropriate management plan submitted to Council as part of any application for a Development Permit for Operational Works (site works).
 - 14.1.1 Should preliminary testing demonstrate that acid sulphate soils are present in the areas to be excavated or filled, an acid sulphate soils investigation following the procedure outlined in Step 2 in Section 6 of the guideline should be carried out and a report provided.
 - 14.1.2 Investigation boreholes should be to a depth of one (1) metre below the anticipated depth of disturbance and to at least three (3) metres depth in areas to be filled. Boreholes should be drilled within areas where the road works, water reticulation, sewerage reticulation, and electricity distribution and telecommunications infrastructures will be located.

- 14.1.3 If there will be groundwater extraction activities (including drainage, pumping or other activity that removes groundwater) carried out in association with excavation activities, then a groundwater investigation will need to be undertaken in accordance with Section 7 of the *State Planning Policy 2/02* guideline.
- 14.1.4 Sampling associated with the acid sulfate soils investigation should follow the Guidelines for Sampling and Analysis of Lowland Acid Sulfate Soils in Queensland (Ahern et al 1998). Laboratory analysis associated with the acid sulphate soils investigation should follow the Laboratory Methods Guidelines of the Queensland Acid Sulphate Soil Technical Manual.

15.0 LANDSCAPING

- 15.1 A Development Permit for Operational Work (landscape works) must be submitted to Council for approval prior to the commencement of landscape works.
- 15.2 The landscape plan is to be prepared in accordance with Council's Planning SC7.16 Landscaping planning policy, and include the following requirements:
 - 15.2.1 Large trees must not be planted within one (1) metre of the centreline of any sewerage infrastructure. Small shrubs and groundcover are acceptable.
 - 15.2.2 Root barriers must be provided between proposed trees and relevant infrastructure.

16.0 ELECTRICITY AND TELECOMMUNICATIONS

- 16.1 Electricity and telecommunication connections must be provided to the proposed development to the standards of the relevant authorities.
- 16.2 Evidence must be provided of a certificate of supply with the relevant service providers to provide each lot with live electricity and telecommunication connections, in accordance with the requirements of the relevant authorities prior to the issue of the Compliance Certificate for the Survey Plan.

17.0 ASSET MANAGEMENT

- 17.1 Any alteration necessary to electricity, telephone, water mains, sewerage mains, and/or public utility installations resulting from the development or in connection with the development, must be at full cost to the Developer.
- 17.2 Any damage to existing kerb and channel, pathway or roadway (including removal of concrete slurry from public land, pathway, roads, kerb and channel and stormwater gullies and drainage lines) which may occur during any works carried out in association with the approved development must be repaired. This must include the reinstatement of the existing traffic signs and pavement markings which may have been removed.

18.0 AMENDED ECOLOGICAL ASSESSMENT

- 18.1 Submit, as part of a Development Application for Operational Work, an amended Ecological report that is prepared in accordance with SC7.5 of the Planning Scheme, and specifically include the following items:
 - (a) Results of the desktop review searches for all environmental matters of significance:
 - (b) An outline of flora survey methods used (for example, secondary and quaternary sites);
 - (c) Regional Ecosystem assessments/ transects, timed meander track log for Protected Plants Survey and locations of significant weeds.
 - (d) Demonstrate that the survey efforts were sufficient and in line with SC7.5.

- (e) Include details about fauna survey results that include habitat features and fauna habitat quality.
- 18.2 The updated ecological assessment should incorporate SARA's Referral Agency Response and the condition requirements therein.
- 18.3 The updated ecological assessment is to identify any necessary changes to the development layout or concept that are consequential to the work in condition 18.1(a) (e). Such changes are to be dealt with under Condition 2.6.

19.0 ENVIRONMENTAL MANAGEMENT PLAN

- 19.1 Submit, as part of a Development Application for Operational Work, a detailed Environmental Management Plan, prepared in accordance with SC7.5 of the Planning Scheme, which addresses but is not limited to the following matters:
 - (i) water quality and drainage;
 - (ii) erosion and silt/sedimentation management;
 - (iii) acid sulphate soils;
 - (iv) fauna management;
 - (v) vegetation management and clearing;
 - (vi) top soil management;
 - (vii) interim drainage plan during construction;
 - (viii) construction programme including operating times;
 - (ix) weed control;
 - (x) emergency vehicle access;
 - (xi) noise and dust suppression;
 - (xii) waste management; and
 - (xiii) SARA's Referral Agency Response and the condition requirements therein.
- 19.2 The Environmental Management Plan approved as part of a Development Permit for Operational Works must be part of the contract documentation for the development works.

20.0 REHABILITATION PLAN

- 20.1 Submit, as part of a Development Application for Operational Work, a Rehabilitation Plan for the land to be transferred to Council per Condition 4.0 above and any other areas as deemed relevant by the amended ecological report. The rehabilitation plan is to be compliant with SC7.5 Environmental Management and additionally consider the following:
 - (a) identify any plants of local significance that can be salvaged and provide a replanting scheme
 - (b) any bushfire requirement as discussed in the endorsed bushfire hazard assessment and management plan;
 - (c) Include a species management plan for dispersal (eg. staged clearing, preclearing assessment by a spotter catcher). The management plan is to include but not exclusively the short beaked echidna (*Tachyglossus aculeatus*) Least of Concern Species;

- (d) Consider barriers to movement through the road network, particularly to Neville Street; and
- (e) SARA's Referral Agency Response and the conditions requirements therein.
- 20.2 Rehabilitated areas must be subject of on-going management and maintenance for a period of eighteen (18) months.

21.0 VEGETATION CLEARING

- 21.1 A Development Permit for Operational Work (clearing works) must be obtained prior to the commencement of any clearing works.
- 21.2 Any application for a Development Permit for Operational Works (clearing works) must include, but is not limited to:
 - (i) A plan documenting the "Extent of Clearing" in accordance with the revised ecological assessment, the environmental management plan, approved Bushfire Hazard Assessment (refer to condition 2.1), and suite of approved plans:
 - (ii) Locations and names of existing trees, including those to be retained (the location of the trees shall be overlayed or be easily compared with the proposed development design). It is recommended to retain the regrowth vegetation in the buffer areas as it is naturally regrowing and will be best suited to the site;
 - (iii) Details of how disturbance to existing vegetation outside of nominated clearing areas will be avoided;
 - (iv) Details of how retained trees will be protected from impacts of adjacent clearing or earthworks through use of exclusion fencing or protective barriers as per *Australian Standard 4970 2009 Protection of Trees on Development Sites*:
 - (v) Details of weed management, rehabilitation and re-planting;
- 21.3 A pre-clearance survey is to be undertaken by a qualified fauna spotter catcher to minimise disruption to native fauna;
- 21.4 Vegetation must not be cleared unless and until written approval has been provided by Council. A Development Permit for Operational Works constitutes written approval, only for the purposes of clearing vegetation directly pertinent to the operational works which are the subject of the Development Permit.
- 21.5 Cleared native vegetation must be mulched and spread on areas of bare ground. All vegetation which cannot be mulched on site for use on this development or an approved place of use must be disposed of at a suitable place of disposal. Burning is not permitted.

22.0 SOIL EROSION AND SEDIMENT CONTROL

- 22.1 Submit, as part of a Development Application for Operational Work, a site-specific Erosion and Sediment Control Plan, which is certified by Certified Professional in Erosion and Sediment Control (CPESC) or suitably qualified Registered Professional Engineer of Queensland (RPEQ).
- 22.2 The Erosion and Sediment Control Plan must:
 - 22.2.1 Be prepared in accordance with the local best practice engineering reference standards and guidelines identified in SC7.13.3.1. of the *Livingstone Planning Scheme 2018*.
 - 22.2.2 Demonstrate how the design objectives identified in Table 9.3.2.4.7. of the Development Works Code of the *Livingstone Planning Scheme*

- 2018 in effect at the time of making a Development Application for Operational Work will be achieved.
- 22.2.3 Identify sampling locations and sampling frequency. The water quality of discharge flows must be measured at each concentrated discharge point from the site and achieve < 50mg/L total suspended solids (or 60ntu) and maintain pH in the range 6.5 to 8.5 at the point of discharge from the site.
- 22.2.4 Identify suitable stages of works in order to minimise the area of soil exposed at any one time. Soil disturbances must be staged into manageable sized areas to ensure adequate erosion and sediment control management and progressive stabilisation of disturbed surfaces.
- 22.2.5 Set suitable hold points throughout the construction phase.
- 22.2.6 Identify short (temporary) and long-term (permanent) stabilisation measures for all exposed soils.
- 22.2.7 For peak flow for the 1-year and 100-year ARI event, use constructed sediment basins to attenuate the discharge rate of stormwater from the site.
- 22.2.8 All entry/exist points must have a suitable and approved rumble strip to minimum 15m in length and to fit the width of the entry which prevents vehicle tracked sediment leaving the site.
- 22.3 Excess soil cut from site is to be dumped or repurposed in an approved location. All loads must be watered for dust prevention and covered prior leaving the site. Haul routes are to be included in the traffic management plan submitted to Council for approval, prior to any soil leaving the site.
- 22.4 All care must be taken to prevent sediment being deposited on haul route roads. All materials must be swept up and removed from the access route to the site and not directed into Council's stormwater drainage system.
- 22.5 The principal contractor must also check the Erosion and Sediment Control Measures at the start and end of each day to ensure the entire site is secure and appropriately prepared in the event of rainfall.
- 22.6 A soil test to the level of the base of the any trench must be undertaken prior commencement of works to determine if acid sulphate soils are present and may be disturbed. Where acid sulphate soils are found present during construction, works must cease immediately and a management plan report must be prepared and submitted to Council and works undertaken in accordance with the report.

23.0 AMENDED BUSHFIRE HAZARD ASSESSMENT & MANAGEMENT PLAN

- 23.1 Submit, as part of a Development Application for Operational Work an amended Bushfire Hazard Assessment and Management Plan that includes the following:
 - (a) Amended calculations for the asset protection zone that includes a FDI that follows best practices;
 - (b) The Bushfire Management Plan and subdivision layout is to be amended consequently;
 - (c) Recommendations for interim bushfire protection for each stage that include bushfire trails, etc; and
 - (d) SARA's Referral Agency Response and the condition requirements therein.
- 23.2 The applicant shall submit as part of the Operational Work Application, an amended site plan to incorporate:

- (a) Any changes resulting from the amended calculations for the asset protection zone:
- (b) The bushfire trail on the proposed Reserve lot is to:
 - provide for a minimum width of 6 m;
 - suitable for two-wheel drive vehicles during the dry season;
 - the vehicles are able to enter and exit in a forward gear or a turnaround is to be provided with an inner turning radius of 6 m and an outer turning radius of 12 m;
- (c) A staging plan indicating interim solutions for the integration of bushfire breaks or other temporary solutions for each stage.
- 23.3 Prior to the endorsement of any Survey plan, a bushfire break is to be established as nominated in the amended Bushfire Hazard Assessment and Management Plan required by Conditions 21.1.
- 23.4 All operational works must be carried out in accordance with the amended Bushfire Hazard Assessment and Management Plan required by Conditions 21.1.
- 23.5 All future owners of the proposed lots must be advised by the developer in writing of their responsibility to comply with the requirements of the amended Bushfire Hazard Assessment and Management Plan required by Conditions 21.1.
- 23.6 All future buildings on the proposed lots must be constructed in compliance with Australian Standard AS3959 "Construction in Bushfire Prone Areas" the amended Bushfire Hazard Assessment and Management Plan required by Conditions 21.1. A property note to this effect will be entered against Lots 47 to 77.

ADVISORY NOTES

NOTE 1. Aboriginal Cultural Heritage

It is advised that under Section 23 of the Aboriginal Cultural Heritage Act 2003, a person who carries out an activity must take all reasonable and practicable measures to ensure the activity does not harm Aboriginal Cultural Heritage (the "cultural heritage duty of care"). Maximum penalties for breaching the duty of care are listed in the Aboriginal Cultural Heritage legislation. The information on Aboriginal Cultural Heritage is available on the Department of Aboriginal and Torres Strait Islander and Multicultural Affairs website www.datsima.gld.gov.au

NOTE 2. General Environmental Duty

All construction work and other associated activities are permitted only between 0630 hours and 1830 hours Monday to Saturday. No work is permitted on Sundays or public holidays.

The land subject to the above development application must be free of declared pest plants and animals; as declared at the date of development application in Local Law No. 3 (Community & Environmental Management) 2011 and Schedule 1 of Subordinate Local Law 3 (Community & Environmental Management) 2011 and in Biosecurity Act 2014 or as amended; to the satisfaction of Council's Pest Management Officer, after the finalisation of the Rehabilitation and Weed Management works.

NOTE 3. Construction Specifications

The Capricorn Municipal Development Guidelines construction specifications must be used for the construction works, unless alternative specifications have been granted written Council approved.

NOTE 4. Water and Sewerage Services

In accordance with the Water Supply (Safety & Reliability) Act 2008, it is an offence to interfere with a service provider's infrastructure. Livingstone Shire Council is the service provider and Infrastructure Services is the department responsible for water and sewerage services. Alterations to existing services consequential to necessary connections to existing sewerage and/ or water infrastructure must be at the responsibility and cost of the Developer. Please contact Infrastructure Services for further information. Negotiation with other service authorities such as Telstra and Ergon may also be required to adequately affect these connections.

NOTE 5. Property Notes

The following property note is to be placed against the parcel of land in Council's database: "Uncontrolled fill has been placed on the property for aesthetic purposes only. Any future structures to be erected on the property will be subject to specific soil testing and engineering relevant to the proposed structure."

All future buildings on the proposed lots must be constructed in compliance with Australian Standard AS3959 "Construction in Bushfire Prone Areas" and the approved Bush Fire Management Plan.

NOTE 6. Entrance Signage

Any entrance statement signage must be located wholly within private property to protect sight lines for passing or turning traffic and must not obstruct any Council Infrastructure. An Operations Works Permit may need to be obtained for any signage/advertising devices.

NOTE 7. Infrastructure Charges Notice

This application is subject to infrastructure charges in accordance with Council policies. The charges are presented on an Infrastructure Charges Notice which has been supplied with this decision notice.

NOTE 8. Building Location Envelopes

Building Location Envelopes for the purposes of the siting of future dwellings associated with the approved lots shall be submitted to Council for approval under a concurrence agency referral, for each stage.

NOTE 9. Environmental Protection and Biodiversity Conservation Act 1999

Approval under the Environmental Protection and Biodiversity Conservation Act 1999 (EPBC Act) is required for any action that is likely to have a significant impact on a matter of National Environmental Significance.

This approval process is independent of any Council or State approval process, and may be required notwithstanding any State or Council approvals for works.

Information about the EPBC Act assessment process and obligations are available at https://www.dcceew.gov.au/environment/epbc

RECOMMENDATION C

That in relation to the Development Application D-235-2024 for a Development Permit for a Reconfiguring a Lot for a Reconfiguring a Lot for One (1) into 77 residential lots and One Environment and Drainage Lot (Stages 1-4), made by Red Emperor Pty Ltd, on L 2 RP 617670, and located at 1-41 Neville Street, Mulambin QLD 4703, Council resolves to issue staged Infrastructure Charges Notices for the total amount of \$2,374,200.

BACKGROUND

The subject site was previously subject to a Development Permit (D-74-2015) for reconfiguring a lot (1 Lot into 62 Lots) and a material change of use for a Dwelling House on each lot. The approval lapsed in February 2020. This was approved under the now superseded *Livingstone Shire Planning Scheme 2005*. It was approved under the following grounds:

- The approval was considered to be a logical extension of the existing residential estates of Beachside Estate, Mulambin Shores and Mulambin Waters Estate immediately adjoining the site.
- The development provides a mix of allotment sizes, not currently available in the area.
- The development will result in an orderly and logical expansion of existing infrastructure.
- The proposal does not conflict with the relevant requirements of the State Planning Policy.

A pre-lodgment meeting was held with Council on 20 March 2024. A concept plan showing 78 lots and 1 drainage lot was tabled for discussion. The advice that was issued is summarised below:

- The proposal is supported in principle with regards to development of residential lots over the site, having regard to the previous approval.
- The development proposal of infill urban development between existing estates Mulambin Shores and Mulambin Waters is consistent with the surrounding area.
- The variation in lot sizes allows for variation in residential use types and built form.
- The subject site is located outside the Priority Infrastructure Area; however, the development will connect to reticulated infrastructure.
- Given Neville Street is not proposed to be used for access, upgrading to the existing unsealed Neville Street is not required.
- The application is to demonstrate that all proposed residential lots are immune to flood hazard up to the 1% Annual Exceedance Probability (AEP) event. The model shall also review the change of inundations due to the proposed development with an afflux map provided.
- Stormwater Quality treatments such as a bio-retention basins shall be considered to comply with State Planning Policy 2017.
- If the applicant requires a Development Permit prior to Council delivering a booster pump station for Lammermoor Reservoir, a water network analysis will be required demonstrating that the proposed development will not adversely impact existing water users in the catchment. A sewer network analysis should also be provided.
- From a design and road function perspective the preference is for the grid pattern to continue through the western portion.
- Council's preference is for the development footprint to be scaled back away from the storm tide hazard mapping. Alternatively, the finished surface levels of the lots must provide flood immunity and it should be demonstrated that the residential lots are free from storm tide hazard and the development does not negatively impact other properties by changing storm tide characteristics.

 In addition to the supporting information referred to above, Council also requested a Traffic Impact Assessment, an Ecological Impact Assessment and a Stormwater Management Plan.

PLANNING ASSESSMENT

ASSESSMENT INCLUDING BENCHMARKS AND RELEVANT MATTERS

This application has been assessed by relevant Council planning, engineering, environmental health, natural resource management and other technical officers as required. The assessment has been undertaken in accordance with Chapter 3 of the *Planning Act 2016*, Part 4 of the *Planning Regulation 2017* and the Development Assessment Rules under the *Planning Act 2016*.

The assessment has been carried out against the assessment benchmarks in the relevant categorising instrument/s for the development and having regard to the *Central Queensland Regional Pla*n, the State Planning Policy and any development approval for and any lawful use of the premises or adjoining premises, and the common material. The assessment has also been carried out having regard to other relevant matters outlined further in this report.

Benchmarks applying for the development	Benchmark reference
Strategic Framework – settlement pattern and transportation and movement themes Reconfiguring a Lot Code Development Works Code Acid Sulfate Soils Overlay Code Biodiversity Overlay Code Bushfire Hazard Overlay Code Coastal Hazard Overlay Code Flood Hazard Overlay Code	Livingstone Planning Scheme 2018, in force 1 May 2018
Chapter 4 – Regional outcomes and policies	Central Queensland Regional Plan, October 2013
Part E: State interest policies and assessment benchmarks	State Planning Policy, July 2017
Relevant matters considered	
Any development approval for, and any lawful use of, the premises or adjacent premises	The relevance of existing approvals on the subject site and adjoining properties in respect of the land use pattern and commensurate development
The common material submitted with the application	In respect of the reports provided in the material including proposal plans and supporting information
Submissions provided on the application	In respect of relevant matters raised in submissions.
The Local Government Infrastructure Plan	In respect of trunk infrastructure provisions and charging for development.

Internal advice and assessment

Development Engineering – 16 April 2025

Development Engineering reviewed the application and requested further information on 9 August 2024. A second further information was requested 13 January 2025.

On 5 February 2025 A post further advice response from Development Engineering recommends approval subject to conditions pertaining to civil works elements, retaining walls associated with building works and driveway cross overs, however, requested further information regarding stormwater and flood impacts.

The proposed development at 1–41 Neville Street, Mulambin, for the reconfiguration of one lot into 77 residential lots, has been reviewed by Council's engineering team. The site is partially affected by flood and coastal hazard overlays, and previous concerns relating to traffic and stormwater have been addressed in principle, though further technical detail is required at later stages. The development can connect to existing 150mm water mains, and while the water network is nearing capacity, the application is considered supportable on the basis of construction timelines and expected infrastructure upgrades. Sewer network analysis confirms sufficient capacity, subject to an upgrade of the Bluff Crescent pump station, which will be conditioned.

The proposal involves significant earthworks, including retaining walls along site boundaries, which must be constructed entirely within private lots and not on land to be transferred to Council. Road layout revisions introducing two access points are supported, with minor design adjustments required to road geometry, hierarchy classification, and shared access arrangements.

The site's western portion is subject to localised inundation from Mulambin Creek during major events. A coastal hazard study supports compliance with planning codes, though an updated model reflecting the latest layout will be required at Operational Works stage. In terms of stormwater, the applicant has revised the drainage strategy to avoid discharging into the already stressed northeast basin, instead redirecting flow to the northwest swale with proposed culvert upgrades and roadside swales. A detailed Stormwater Management Plan must be provided, and groundwater monitoring over a minimum 12-month period is required to validate assumptions and determine if mitigation is necessary. The stormwater management and hydrology aspect of the proposal has been assessed by an expert independent engineering consultant. This engineering consultant supports approval of the development subject to conditions.

In summary, and subject to detailed conditions, the proposal is considered supportable.

Natural Resource Management - March 2025

Livingstone Shire Council sought independent third-party for the assessment of the ecological/biodiversity impact aspect development application, and engaged respected ecology firm NGH for this scope.

NGH's peer review and assessment of DA D235-2024 determined that the proposal can comply with the environmentally relevant Planning Scheme codes and policies through the implementation of reasonable and relevant conditions. From an environmental compliance perspective, there are no sufficient grounds for refusal.

Such recommended conditions of approval relate to:

- Vegetation removal
- Ecological reporting
- Site rehabilitation
- Bushfire management

Public and Environmental Health - 2 August 2024

Support, subject to conditions pertaining to an environmental management plan and erosion and sediment control plan to be conditioned into any Development Application for Operational Works.

External referral

In accordance with *Schedule 10 of the Planning Regulation 2017*, the application was referred to the State Assessment and Referral Agency (SARA) for assessment of the following triggers:

- 10.17.3.5.1 Reconfiguring a Lot in a Coastal Management District
- 10.3.4.2.1 Reconfiguring a Lot involving Clearing Native Vegetation
- 10.9.4.1.1.1 Development impacting on State transport infrastructure and thresholds

SARA issued a Further Advice Notice on 13 September 2024, requesting additional information be provided in respect of the abovementioned triggers. Following receipt of a response to the Further Advice Notice, SARA issued a Referral Agency Response – with Conditions on 20 December 2024.

Under Section 56(1)(b)(i) of the *Planning Act 2016* SARA Referral Agency response includes conditions that must be attached to any development approval. SARA's Statement of reasons confirms that the development will comply with State Code 8 Coastal Development and Tidal Works and State Code 16: Native Vegetation Clearing if the works are carried out in accordance with SARA's recommended conditions.

To ensure the appropriate management of the Environment and Drainage lot, SARA has conditioned that the Applicant must enter into an environmental covenant agreement with Council, for the purpose of ecological preservation and coastal protection. The environmental covenant will identify vegetation and ecological features and how the features need to be managed. The environmental covenant must be submitted to the Department of Environment, Technology, Science and Innovation for approval.

To compensate the significant residual impacts on 4.09ha of Wildlife Habitat (special least concern animal) - Tachyglossus aculeatus (short beaked echidna), SARA requires the Applicant to enter into an agreed delivery arrangement to deliver an environmental offset in accordance with the *Environmental Offsets Act 2014*.

For the purposes of clearing vegetation, SARA's referral agency response includes a Vegetation Management Plan (VMP) that qualifies the location of the 4.09 ha of vegetation referenced above. The VMP includes a list of derived reference points for GPS to eliminate any doubt in the future of the area that can be cleared for the development. The VMP also qualifies where built infrastructure, other than for fences, roads and underground services must not be established, constructed or located.

Information request

An information request was issued by council on 16 August 2024 which included (but was not limited to) the following;

- Change to the development application, combined application with variation request and MCU
- Provide a response against the SPP
- Provide a response all applicable codes of the Livingstone Planning Scheme 2018
- Amended plans
- Timing of boundary realignment

- Engineering (stormwater, traffic etc.)
- And an amended ecological assessment

The applicant provided a response (in full) on 05 November 2024.

Further advice

Council issued further advice to the applicant on 20 January 2025 pertaining to matters relating to traffic access from Neville Street. Council also determined both stormwater and sewer networks were at capacity and would be unable to provide a connection at the nominated locations, in the configuration proposed.

The applicant responded to the further advice on 04 February 2025 by arguing that the proposed traffic route via Portside Drive is reasonable and that the distance is shorter than the northern option. However, council disagreed, stating the norther route via Bluff Crescent is shorter and more appropriate, and that the applicant's traffic assessment was not acceptable.

The applicant also proposed increasing the volume of the northern stormwater basin by 20m³ through excavation and a retaining wall. Council raised concerns that this change could lead to ground water infiltration and ponding due to lower basin levels and emphasised that relying on the existing drainage system is not acceptable.

Council issued an additional further advice to the applicant on 10 March 2025 pertaining to lot sizes and their consistency with the surrounding development, the single traffic connection and a suggested solution and stormwater management and earthworks concerns.

The applicant responded to this further advice in full 15 April 2025 by supply updated plans that included an additional access via Bluff Cresent and increasing the overall lot size bring the number of proposed lots from 85 to 77. The applicant also provided a revised drainage and earthworks design.

Further advice was issued by Council on 26 June 2025 regarding the information provided on stormwater management and hydrological impacts, specifically in relation to hydraulic modelling and off-site stormwater effects.

In response, the applicant submitted updated documentation on 21 July 2025. The Site-Based Stormwater Management Report prepared by Barlow Shelly was revised, with Section 3 'Flooding' and Section 4 'Stormwater Quality Management' removed and replaced with a detailed Flood Impact Assessment incorporating updated modelling and analysis. Amended civil plans were also submitted in support of the revised assessment. The response was independently reviewed by Siris & Associates and is supported from a flood and stormwater engineering perspective, subject to conditions.

State Planning Policy – July 2017

The Minister has identified that the *State Planning Policy* (July 2017) is integrated in the planning scheme for the following aspects:

- Guiding principles
- Agriculture
- Development and construction
- Mining and extractive resources
- Tourism
- Emissions and hazardous activities

Part E of the State Planning Policy provides for interim development assessment benchmarks for local government until such time as the other aspects of the State Planning

Policy are reflected in the planning scheme. An assessment of the State interests relevant to the application are detailed below.

<u>Liveable Communities</u>: Not applicable as premises is or will not be accessed by common private title.

Environment and Heritage - Water quality: Applicable as development creates over 6 lots

Assessment benchmarks

Development is located, designed, constructed and operated to avoid or minimise adverse impacts on environmental values arising from:

- (a) altered stormwater quality and hydrology
- (b) wastewater
- (c) the creation or expansion of non-tidal artificial waterways
- (d) the release and mobilisation of nutrients and sediments.

Development achieves the applicable stormwater management design objectives outlined in tables A and B (appendix 2)

Officer response

Complies

The proposed development has been assessed in terms of both stormwater quality and hydrology. The Site-Based Stormwater Management Plan demonstrates that the development will not result in unacceptable impacts on stormwater runoff or flooding.

The Flood Impact Assessment prepared by DY Solutions on behalf of the applicant confirms that the proposed development maintains existing hydrological conditions through discharge to a lawful point, with no increase in peak flows or downstream impacts. The development does not propose the creation or expansion of any non-tidal artificial waterways. All stormwater will continue to be conveyed and discharged to the lawful point at Mulambin Creek. In summary, the proposal is able to meet this assessment benchmark. Stormwater quality is managed through the inclusion of Stormwater Quality Improvement Devices (SQIDs), specifically 400 metres of turfed swales and 40 metres of vegetated swales. These features are designed to intercept and treat stormwater runoff, effectively removing sediments and reducing nutrient loads prior to discharge. This approach is consistent with best environmental management practice and aligns with the planning scheme's intent to avoid the mobilisation of nutrients and sediments. Conditions are recommended dealing with these matters. In summary, the proposal is able to meet this

Complies

assessment benchmark.

The proposed treatment measures are appropriately sized and located to achieve pollutant load reduction targets and manage stormwater volumes in accordance with Livingstone Shire Council's stormwater quality and quantity criteria.

Conditions are recommended dealing with this matter.

In summary, the proposal is able to meet this assessment benchmark.

<u>Natural hazards, risk and resilience</u>: Applicable as development is in a bushfire prone area, flood hazard area and erosion prone area.

Erosion prone areas within a coastal management district:

Development does not occur in an erosion prone area within a coastal management district unless the development cannot feasibly be located elsewhere and is:

- (a) coastal-dependent development; or
- (b) temporary, readily relocatable or able to be abandoned development; or
- (c) essential community infrastructure; or
- (d) minor redevelopment of an existing permanent building or structure that cannot be relocated or abandoned.

Complies

Development avoids the erosion prone area as it will remain entirely in the environment and drainage lot at the western end of the site.

Bushfire, flood, landslide, storm tide inundation, and erosion prone areas outside the coastal management district:

Development other than that assessed against (1) above, avoids natural hazard areas, or where it is not possible to avoid the natural hazard area, development mitigates the risks to people and property to an acceptable or tolerable level.

Complies

The development avoids natural hazard areas as much as possible. Where it cannot avid the area it does not put people or property at further risk to an unacceptable or intolerable level.

All natural hazard areas:

Development supports and does not hinder disaster management response or recovery capacity and capabilities.

Complies

The development does not hinder disaster management response.

Development directly, indirectly and cumulatively avoids an increase in the severity of the natural hazard and the potential for damage on the site or to other properties.

Complies

Development will not increase the risk of the hazards to other properties. A subdivision into 77 lots will increase the total number of people and property who interface with bushfire prone, flood hazard and erosion prone areas, however specific reporting has been prepared assessing the extent of this risk/hazard, in line with relevant assessment benchmarks.

Specific conditions are recommended dealing with bushfire management and hazard.

Central Queensland Regional Plan

The Minister has identified that the planning scheme, specifically the strategic framework, appropriately advances the *Central Queensland Regional Plan* October 2013, as it applies in the planning scheme area.

Livingstone Planning Scheme 2018

The *Livingstone Planning Scheme 2018* (commenced 1 May 2018) is the relevant categorising instrument applicable to the assessment of this application.

Strategic Framework

The strategic framework sets the policy direction for the planning scheme and forms the basis for ensuring appropriate development occurs within the planning scheme area for the life of the planning scheme.

The proposed subdivision responds well to the strategic intent of the Strategic Framework, noting:

The strategic framework mapping identifies, at a high level, the site being on the edge of the Mulambin Urban Area.

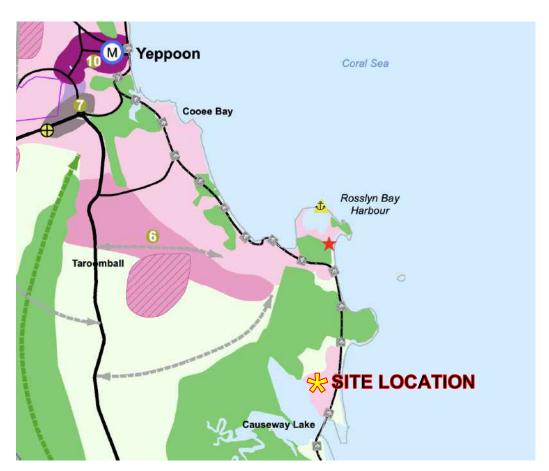


FIGURE 2 - EXCERPT OF STRATEGIC FRAMEWORK MAP

- The Capricorn Coast is a growing area, and is anticipated to continue to grow into the future. It is noted that growth rates have significant outpaced those anticipated in the strategic framework and planning scheme generally.
- Urban development will expand in proximity to established urban localities focused around Yeppoon and Emu Park, to accommodate the forecast growth.
- Upwards of 80% of new housing stock is to be in the form of detached dwellings. These houses will largely be located on newly created conventional residential allotments, such as those proposed in the subject application.
- It is intended that opportunities to accommodate population growth must be balanced with protecting places of value and creating a high level of amenity and community well-being.

The following strategic outcomes are relevant to the consideration of the proposed development:

3.3 Settlement Pattern

3.3.7 Urban Places

The majority of the site is mapped as Urban Place, directly supporting the intent to accommodate forecast population growth

- (1). The part of the site proposed development is planned to efficiently utilise the land resource and be serviced with infrastructure. The subdivision retains 3ha of land containing natural values as an open space/ drainage lot, suitably rehabilitated, in line with the State's assessment of the application. To the extent that a the site has a rural designation, it is not viable for meaningful rural production and integrated into the urban layout
- (2). The proposed 77 lots with varying sizes provide for a diversity of housing types, meeting the Strategic Framework's intent to support housing choice and different household types.

3.4 Natural Environment and Hazards

3.4.2 Areas of Ecological Significance

The important areas of ecological value are being retained in perpetuity by Council as a lot held for environment and drainage purposes

(1). This site is located at the far western end of the site, minimising interface issues with existing urban development, avoiding habitat fragmentation and maximising connectivity with surrounding habitat. This is consistent with the State's assessment and approval. This area will be rehabilitated in accordance with an approved rehabilitation plan

3.4.3 Natural Hazards and Climate Change

The subdivision has been designed to achieve appropriate immunity from flood and storm tide hazard

(1) by siting the lots at an appropriate level. Design solutions demonstrate avoidance of off-site impacts to people and property, and account for climate change factors .

3.5 Community Identity and Diversity

3.5.2 Housing Diversity

The range in lot sizes allows for flexibility in built form, enabling delivery of single detached dwellings, small-lot homes, and potentially dual occupancies on larger lots, subject to further approvals. This responds positively to the need for varied housing to cater for a growing and evolving population, including families, singles, retirees, and others at different life stages

- (1). The site is strategically located between established residential areas (Beachside Estate, Mulambin Shores, and Mulambin Waters), forming a logical infill of existing urban development. It benefits from proximity to community facilities, likely shared with adjoining estates
- (2). Access to goods and services, particularly via nearby Yeppoon and the Capricorn Coast centres, within reasonable driving distance. Connection to recreational areas, including Mulambin Beach and surrounding parkland, providing access to both informal and formal recreation opportunities.

3.6 Transportation and Movement

3.6.3 Road Network

The proposed development has been revised to include a second access point to the north via Bluff Crescent, as well as a dedicated bushfire emergency access gravel track, improving concerns around traffic dispersal, congestion, and safety. The total

number of lots has also been reduced from 85 to 77, further alleviating pressure on the local road network and improving the efficiency of vehicle movement within and surrounding the site. The additional access point improves connectivity and ensures the road network is more resilient in emergency situations, with clearer and more distributed traffic patterns for daily and emergency use.

3.8 Natural Resources and Economic Development

3.8.2 Rural Land

3.8.2.1 Specific Outcomes

The land was previously approved for residential subdivision (D-74-2015), which lapsed, but indicates that the site was not considered critical for ongoing rural production at that time. There is no indication that the site is mapped as Class A or B agricultural land or actively used for productive rural activities. The development does not result in fragmentation of viable rural land elsewhere and is not extending the urban footprint into broader rural areas, but rather consolidating land between existing urban development. Therefore, the proposal does not compromise rural land of productive value and is unlikely to limit the region's broader agricultural or rural potential

- (1). The site is adjacent to urban development and is not surrounded by significant rural industries, so the risk of land use conflict is low
- (2)The unique context of this site, being bordered on multiple sides by existing residential estates and previously approved for residential subdivision, suggests that this is a practical exception to the broader principle. The development does not contribute to rural sprawl and instead consolidates urban form by filling in a gap between developed areas, which supports efficient infrastructure use and logical land use transition. As the land is not identified as having current productive use or high-value agricultural classification, its urban development would not significantly detract from rural land supply or rural productivity in the region.

The performance assessment of the proposal demonstrates that the development will not compromise the Strategic Framework.

Reconfiguring a Lot Code

9.3.3.2. Purpose

The purpose of the reconfiguring a lot code are:

- (1) to facilitate the creation of a range of lot sizes which have an appropriate size, shape and slope, to accommodate the intended uses within each zone;
- (2) to facilitate the design of urban neighbourhoods which are compact, well connected with vehicle and pedestrian access and enable the most efficient use of land;
- (3) to facilitate the productive use of natural resources;
- (4) to protect the landscape character and ecological functions of the natural environment; and
- (5) to minimise risks to life and property, associated with hazards.

9.3.3.3. Overall outcomes

The purpose of the code will be achieved through the following overall outcomes:

- (1) lot reconfiguration results in a pattern of urban development which is broadly sequential, to maximise the efficiency of infrastructure provision and connect to surrounding movement and infrastructure networks1;
- (2) a variety and mix of lot sizes enable a range of development options to accommodate the preferred uses in each zone;

- (3) lots have suitable areas, dimensions and slope for the intended use, including space for vehicle access and parking, on-site services and recreation, appropriate for the zone;
- (4) lot reconfiguration avoids areas where there is an unacceptable risk from hazards, including flood, storm tide, slope instability and bushfire;
- (5) in urban areas and emerging communities, compact and walkable neighbourhoods are created, which connect to employment nodes, centres, open space, recreational areas, community services and educational opportunities;
- (6) lot reconfiguration does not increase the likelihood of significant land use conflict;
- (7) lot reconfiguration does not result in adverse impacts on natural topography, drainage systems, vegetation, ecological values, ecosystems and cultural heritage features;
- (8) lot reconfiguration does not result in adverse impacts on utility installations, major transport and movement networks, and other important infrastructure;
- (9) street and pathway design maximises opportunities to create landmarks, views and vistas:
- (10) lots are orientated in a way which facilitates the design of buildings that are appropriate for the local climatic conditions;
- (11) infrastructure is provided to new lots in a way which minimises whole of life cycle costs and maximises the use of sustainable technologies;
- (12) public open space is provided in a way which is accessible, safe and integrated with active and passive transport networks;
- (13) streets and roads are designed to maximise convenience and safety for all users.

The proposal includes 77 residential lots providing a mix of urban lot sizes suited to a range of dwelling types. Although the site is zoned Rural, the pattern of development and surrounding urban context indicate that residential use is suitable and appropriate.

- (1). The proposal creates a compact neighbourhood form, filling a gap between established residential estates. Two points of access are provided via Bluff Crescent and Portside Drive, improving connectivity to the broader road network. A roundabout intersection and internal street grid enhance accessibility and traffic flow
- (2) In urban areas and emerging communities, compact and walkable neighbourhoods are created, which connect to employment nodes, centres, open space, recreational areas, community services and educational opportunities. The site is well-located between established estates, with proximity to parks, the coastline, and community facilities (5). Internal circulation, along with dual access points, supports local movement and permeability. The surrounding land uses are predominantly residential, and the development is consistent with the existing urban character. No adjacent rural production land is in active use, and no incompatible uses are directly affected.

The development is well located in the context of nearby parks and recreational areas, consistent with urban infill principles.

The development will result in the conservation of approximately 3ha of remnant vegetation, in line with the State's assessment and requirements.

9.3.3.4. Specific benchmarks for assessment

Table 9.3.3.4.1 — Outcomes for assessable development

Performance Outcomes	Acceptable Outcomes	Assessment Response		
Table 9.3.3.4.1 Outcomes for assessable development				
All other reconfiguring a lot applications				
Lot design – general				
PO5	AO5.1	PO5 - Complies		

significant earthworks for future development;		
and minimises the need for		
natural topography of the site as far as practicable		
values; b) Appropriately utilises the		values.
a) Protects areas with significant environmental		that provides protection and restoration of environmental
Lot design:		The proposed development provides a reserve area of 3 ha
PO8	No acceptable outcome is nominated	PO8 - Complies
f) The interface with established land uses.		
e) Surrounding landscaping and streetscape treatments; and		
d) Connections to centres and employment areas;		
significant vegetation and habitat areas, waterways and wetlands, and valued biodiversity corridors;		
infrastructure networks; c) Open space networks,		
and cycle networks; b) Utility installations and other		Mulambin Waters Estates.
to: a) Roads, streets, pedestrian		development and acts as infill between Mulambin Shores and
Lot design is well integrated with the surrounding locality, having regard	The accoptable outcome to normated.	The proposed development integrates with surrounding
accordance with the requirements of Schedule SC7.14.	No acceptable outcome is nominated.	PO7 - Complies
structure plan is undertaken in accordance with the structure plan, and the structure plan is prepared in		
Development which requires a	The acceptable outcome is nominated.	See above.
PO6	No acceptable outcome is nominated.	planning. P06 - Complies
		urban development between existing estates Mulambin Shores and Mulambin Waters, consistent with the surrounding area, and as an infill site limits the benefit of further structure
		documents. This fulfills the requirements of SC7.14. The development is an infill
below requires the preparation of a structure plan to accompany the development application		of the site and surrounding area, plans demonstrating integration with neighbouring development, subdivision design plans, and various supporting technical

Lot reconfiguration does not The proposed reconfiguration facilitate development which would will not create a visually be visually obtrusive on skylines, obtrusive skyline or prominent landscape features given its headlands, or prominent landscape location and in-fill nature. It is features. not on a headland or ridge, and is consistent with adjoining development. PO10 No acceptable outcome is nominated. PO10 - Complies Lot reconfiguration does not: The proposed development is consistent with the character of a) Increase the likelihood of the area despite its rural zoning. significant land use conflict; b) Compromise the potential to use adjoining land for its Majority of the surrounding rural zoned lots are relatively small zoned purpose; and already developed for rural c) Compromise the use of stock residential purposes, they are routes: unlikely to be used for any d) Compromise the safe and intensive rural activities that efficient operation of major would result in land use conflicts transport networks and with the proposed development. other major infrastructure networks. The proposal reduces the likelihood of land use conflict with the adjacent residential development. Lot design - size and dimension PO11 AO11.1 PO11 - Does not comply Reconfiguration only occurs if it The lots are designed in accordance The proposed development does creates lot sizes and dimensions with the minimum lot size and not result in lots that are in dimensions specified within Table accordance with Table 9.3.3.4.2, that: 9.3.3.4.2. given the proposal is for a) Are consistent with the (effectively) and urban intended character of the subdivision and the land is in the zone, precinct or subrural zone. precinct in which the land is located: b) Do not limit or compromise Notwithstanding, the proposed the ability to use rural land for lot size is considered appropriate noting: its preferred uses; It is consistent with the Do not limit or compromise surrounding pattern of the ability to use industrial development; zoned land or special purpose zoned land for their the road network and lot configuration preferred uses: integrates well into its d) Protect resources (including urban context: potential mining and extractive resources). Rural zoned lots that environmental are on the northern and landscape values of rural side of the development are already fragmented, e) Protect ground and surface and are used as water quality in the rural 'lifestyle lots', rather residential zone: than rural production; Protect areas with significant The land is not biodiversity values; and otherwise able to be Protect areas of high scenic utilised for rural amenity value. production, and has never been used for this purpose. Urban land use and subdivision is the highest and best use or the land, noting the

sites location,

consist the efficient for its in sufficient and by	ave a regular shape and tent dimensions to facilitate cient development of the land intended purpose, and have int area to provide for: Buildings and structures; Usable open space and landscaping Ventilation and sunlight for	AO12.1 The lots are designed in accordance with the minimum lot sizes and dimensions specified within Table 9.3.3.4.2.	availability of infrastructure and need for housing. The proposal is considered to meet PO11 (b) – (g), notwithstanding the conflict with (a). PO12 - Complies The proposal does not meet AO12.1, but achieves PO12 as the proposed lots are of an appropriate size, shape and configuration – with necessary infrastructure connections – to achieve their intended purpose of accommodating dwelling houses.
	buildings; Privacy for residents;	AO12.2 All residential lots are able to contain a constraint free rectangular building location envelope, having dimensions no less than nine (9) metres by fifteen (15) metres.	AO12.2 – Complies Residential lots are able to contain regular building envelopes with compliant setbacks.
Lot de:	sign – rear lots		
PO15		AO15.1	AO15.1 - Complies
a rear	ot reconfiguration results in lot, the resulting lots are led in a manner which: Retains suitable size and dimensions to enable an appropriate use of the lots; Provides an appropriate level of amenity for the new lots and adjoining lots;	If the lot reconfiguration results in a rear lot, only one (1) rear lot is created.	The only 'rear' lots proposed as a part of the development are those on corners, with limited other opportunity for lot configuration. In the instance these lots do occur, they are only single, individual rear lots in each location. They are considered to meet PO15.
(c)	Incorporates a direct means of access to the road		
(d)	network for the rear lot; Incorporates an access for the rear lot which has a sufficient width and design to provide for the following: (i) The use of the rear lot; (ii) Suitable drainage and flood immunity; and (iii) To enable the	AO15.2 If the lot reconfiguration results in a rear lot, all resulting lots comply with the minimum size and dimensions for the location as specified within Table 9.3.3.4.2, and the minimum lot area for the rear lot does not include the area of the access way.	AO15.2 - Complies in part Resulting lots do not comply with Table 9.3.3.4.2 and do not meet the minimum lot size for the zone. However, resulting lots sizes can be considered compatible with the surrounding locality with similar lot sizes.
	implementation of measures to	AO15.3	AO15.3 - Complies
	measures to mitigate nuisance to any adjoin sensitive land use due to emissions likely to result from vehicular	If the lot reconfiguration results in a rear lot, the rear lot does not gain access from the head of a cul-de-sac.	No lots are not accessed from a cul-de-sac.
	access; and	AO15.4	AO15.4 - Complies
to the re	es that infrastructure services ear lot can be lawfully and constructed, monitored and ined.	No more than two (2) rear lot access ways directly adjoin each other.	Proposed rear lots do not adjoin each other.

AO15.5

If the lot reconfiguration results in a rear lot, the access way for the rear lot has a driveway which is immune to a flood inundation event having an annual exceedance probability of ten (10) per cent.

AO15.5 - Complies

Access driveways for each rear lot will be constructed to achieve immunity to a flood inundation and storm tide events. This will be conditioned to be addressed as part of any further development approvals for the site.

AO15.6

If the lot reconfiguration results in a rear lot, the access way for the rear lot has a driveway that is designed and constructed in accordance with the following:

AO15.6 - Complies

Driveways are able to meet standards identified.

- (b) If located in a residential category zone, the township zone, any other zone located within an urban setting, or in the rural residential zone (Park Residential Precinct):
 - (i) A minimum three (3) metres wide compacted gravel pavement not less than onehundred (100) millimetres thick and sealed with:
 - (A) Twenty-five (25) millimetres of asphaltic concrete; or
 - (B) Hot sprayed bitumen consisting of a prime and two (2) seal coasts; or
 - (C) Interlocking pavers; or
 - (ii) A minimum three (3) metres wide reinforced concreate driveway (not car tracks) not less than one-hundred (100) millimetres thick; or
- (c) If located in the rural zone or rural residential zone (other than Park Residential Precinct):
 - (i) A four (4) metres wide all weather gravel pavement; and
 - (ii) If the grade of the driveway is steeper than ten (10) per cent at any point, a four (4) metres wide sealed pavement on a six (6) metres wide formation; and
 - (iii) If within twenty (20) metres of an existing dwelling house or other sensitive land use on an adjacent lot, a four (4) metre wide sealed pavement on a six (6) metres wide formation for a distance of at least twenty (20) metres past the extremities of the dwelling house or sensitive land use projected perpendicular from the access way boundary.

AO15.7

If the lot reconfiguration results in a rear lot, the access way for the rear lot has a minimum width which complies with the following:

- (a) If located in a residential category zone, the township zone, or the rural residential zone (park residential precinct): five (5) metres; or
- (b) If located in an industry category zone: eight (8) metres;
- (c) If located in the rural residential zone (not within the Park Residential Precinct):
 - (i) Eight (8) metres where the access way has a length up to and including (50) metres;
 - (ii) Fifteen (15) metres where the access way has a length greater than fifty (50) metres;
- (d) If located in the rural zone: twenty (20) metres; or

If located in any other zone: no acceptable outcome is nominated.

AO15.7 - Complies

See above.

Road and street network

PO16

The road and street network has a clear hierarchical structure, with roads that are designed and constructed to achieve their function in the network, having regard to:

- a) traffic volumes, vehicle speeds and driver behaviour;
- b) on street parking;
- c) sight distance;
- d) provision for public transport routes and stops;
- e) provision for pedestrian and cyclist movement, prioritising these where appropriate;
- f) provision for waste collection and emergency vehicles:
- g) lot access;
- h) convenience;
- i) public safety;
- j) amenity;
- k) the incorporation of public utilities and drainage; and
- street scaping and street furniture

AO16.1

The roads and streets network is designed in accordance with Schedule SC7.17.

AO16.1 - Complies

Road and street network is designed in accordance with SC7.17, and relevant conditions have been included accordingly.

PO17

The road and street network provides for:

 high levels of permeability and connection between

AO17.1

Road intersections are designed in compliance with Capricorn Municipal Development Guidelines.

AO17.1 - Complies

The proposed road intersections are designed and comply with the CMDG.

	T	T
places to provide for short travel distances;	AGTIL	AO17.2 - Complies
b) the convenient and safe movement between local streets and higher order	No more than twenty-five (25) lots are served by any single road access point.	The proposed 77 lots have two options for access from Bluff Cresent north and Portside Drive south.
roads; c) at least two road or street	AO17.3	AO17.3 - Complies
access points to every neighbourhood; The avoidance of the use of access places, unless the slope, shape or location of the site provides no	Street blocks are generally rectangular and arranged in a modified grid pattern, taking account of topography and minimising cut and fill on steeper land.	Blocks are generally rectangular with bends following the boundary of the existing larger lot.
alternative.	AO17.4	AO17.4 - Complies
	Street block lengths do not exceed two-hundred (200) metres.	Some individual road segments within the proposed development exceed 200 m in length, the overall road layout forms a circuit, which limits continuous travel distances along any one direction. When measured between intersections and turning points, the effective block lengths remain slightly under 200 meters.
	AO17.5	AO17.5 - Complies
	An access place: (a) Is straight, with a clear view from the start of the street to the turning head: (b) Provides a pedestrian connection from the head of the cul-de-sac to another road, and (c) is a minimum width of ten (10) metres.	There are no cul-de-sacs proposed as part of the development.
PO18	No acceptable outcome is nominated.	AO16.1 - Complies
Road crossings are provided for the safe and efficient movement of pedestrians and cyclists at regular intervals on higher order roads.		Road configuration is consistent with the relevant design standards and has been conditioned accordingly.
PO19	No acceptable outcome is nominated.	AO16.1 - Complies
Local streets do not operate as through traffic routes for externally generated traffic (other than for pedestrians, cyclists and public transport).		Based on the layout of the streets and the minimal access it is unlikely this will become an occurrence.
Road and street design		
PO20	AO20.1	AO20.1 - Complies
The geometric design features of each type of road and street: (a) Convey its primary function for all relevant design vehicles types;	Roads are designed in compliance with Capricorn Municipal Development Guidelines.	The proposed road layout has been improved through the inclusion of a second access point from Bluff Cresent to the north, which significantly
(b) Have an adequate horizontal and vertical alignment that is not conducive to excessive speeds;		enhances the developments overall functionality, accessibility and safety. This additional connection reduces the reliance on Portside Drive as a sole point of access, improving the
(c) Encourage traffic speeds and volumes to levels commensurate with road hierarchy function;		emergency response capability and distributing local traffic more effectively in line with the intended road hierarchy.
(d) Ensure unhindered access by emergency and waste collection vehicles and buses;		The circuit road layout supports access permeability and the design allows for safe access to individual lots.

(e)	Ensures safe access to lots.		Conditions requiring compliance with relevant standards can be included in the approval.		
PO21		No acceptable outcome is nominated.	PO21 - Complies		
Where lot reconfiguration involves the creation of a new street (other than in a rural zone or the rural residential zone), streetscape and landscape treatments are			The proposed development integrates with the established character of the surrounding residential estates, and adopts conventional urban lot sizing,		
(a)	led which: Create an attractive and legible environment with a clear character and identity;		compatible with its urban context. This reflects the prevailing subdivision pattern and will maintain coherent built		
(b)	Use and highlight features of the site such as views, vistas, existing vegetation, landmarks and places of cultural heritage significance;		form and character across the area when future residential development occurs. The proposed road network provides a clear hierarchy and structure, contributing to a safe and		
(c)	Enhance safety and comfort, and meet user needs;		navigable streetscape. The second access from Bluff Crescent also enhances connectivity and integration with		
(d)	Complement the function of the street in which they are located by reinforcing desired traffic speed and behavior;		the broader road network and surrounding developments. While specific streetscape and landscaping details have not yet been finalised, these can be		
(e)	Assist integration with the surrounding environment;		conditioned to be appropriately addressed at the operational		
(f)	Maximise infiltration of stormwater runoff; and		works stage.		
(g)	Minimise maintenance costs through:				
	 (i) Street pavement, parking bays and speed control devices; (ii) Street furniture, shading, lighting and utility installations; (iii) Retention of existing vegetation; and (iv) On-street planting. 				
PO22		AO22.1	AO22.1 - Complies		
Road access to new lots minimises impacts on the function, vehicle speeds, safety, efficiency and capacity of streets and roads.		Access arrangements are consistent with the characteristics intended for the particular type of road or street specified in the Capricorn Municipal Development Guidelines.	The proposed development has been amended to include a second access point from the north via Bluff Crescent, improving access distribution and reducing reliance on Portside Drive. This complies with CMDG thresholds and provides far greater connectivity.		
	Pedestrian and Cycle networks				
PO23 A network of bicycle and pedestrian pathways, which is designed to maximise safety, convenience and comfort for uses, is provided along higher order roads.		No acceptable outcome is nominated.	AO16.1 - Complies Compliance with this PO is able to be achieved.		
pedes	lignment of bicycle and strian pathways is designed at they:	No acceptable outcome is nominated.	AO16.1 - Complies Compliance with this PO is able to be achieved.		

- (a) Allow for the retention of trees and other significant features;
- (b) Maximise the visual interest provided by views and landmarks where they exist:
- (c) Are well lit and allow for casual surveillance:

Do not compromise the operation of or access to other infrastructure services; and

(e) Are widened at potential conflict points.

Public Transport

PO25

The road and street network caters for the extension of public transport routes to provide services that are convenient and accessible to the community.

AO25.1

If the lot reconfiguration is within a residential category zone or the emerging community zone, or it results ir lots which provide for the development of accommodation activities at a density consistent with a residential category zone, then at least eighty (80) per cent o proposed lots are within four-hundred (400) metres walking distance from a road which is designed and constructed to accommodate buses.

AO25.1 - Complies

With the addition of the northern connection and the reduction in total lot yield from 85 to 77, projected daily traffic volumes are more evenly distributed across the internal road network. This supports safer access arrangements and improves traffic efficiency by mitigating the concentration of vehicle movements through a single street. Portside Drive is no longer solely responsible for accommodating all generated trips, which helps maintain its intended function within the local road hierarchy.

Climatic response

PO26

Lot layout facilitates building design which minimises sun penetration in summer and maximises cooling breezes into buildings.

AO26.1

The long axis of street blocks is oriented generally east-west.

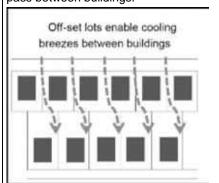
AO26.2

Where it is unavoidable that the long axis of a street block cannot be oriented east-west, lots are wider or are aligned at an angle to the street, to enable the longer sides of the building

to be oriented to the north and south.

AO26.3

Lots are offset to enable breezes to pass between buildings.



AO16.1 - Complies

Street blocks are generally oriented east-west.

Infrastructure

PO28

Infrastructure, including roads and streets, water supply, stormwater

No acceptable outcome is nominated.

Editor's note: In the majority of

PO28 - Complies

The proposed development supplies efficient, adequate and

drainage, sewage disposal, waste disposal. electricity communication facilities are provided in a manner that:

- (a) Is efficient:
- (b) Is adequate for the projected needs of the development:
- (c) Is adaptable to allow for future infrastructure upgrades;
- (d) Minimises risk of adverse environmental or amenity related impacts;
- Minimises whole of life (e) cycle costs for that infrastructure.

instances, infrastructure is to be provided appropriate infrastructure for the in accordance with the requirements of the Development Works Code. Noteworthy is that the acceptable outcomes for the provision of infrastructure, as specified in the Development Works Code, are considered to be acceptable assuming that the development is located in a suitable zone which is intended for that development. Although not desirable, should there be a situation where a reconfiguration of a lot results in lot sizes that are below the minimum lot sizes for the zone it is located in (as specified in this code) and the intended land use for the lots are different from that which is preferred for the zone it is located in, then the appropriateness of infrastructure is to be determined by an assessment against the relevant performance outcomes. It is likely that development for urban activities will in the majority of instances require the provision of infrastructure to a standard expected for development in urban zones.

current and future needs of the development. The independently reviewed stormwater and flood management systems demonstrate minimal impacts and improved performance, effectively managing environmental risks. Planned sewerage and water infrastructure is considered sufficient to service the development. Drainage, vegetated swales, and standardised culvert upgrades support low maintenance and cost-effective outcomes, aligning with best practice and minimising whole-of-life infrastructure costs.

Parks and open Space

Neighbourhood design and lot layout provides a balanced variety of park types, including:

- Small local parks, which (a) are designed to:
 - Provide a small open space setting for adjoining dwellings;
 - Incorporate and (ii) retain existing natural features; and
 - (iii) Incorporate landscaping to assist in creating neighbourhood identity and way finding; and
- (b) Neighbourhood parks, which are designed to:
 - (i) Be centrally located;
 - Support the local (ii) community's recreational needs; and
 - (iii) Provide opportunities for community and special events; and
- (c) Lineal or corridor parks, which are designed to:
 - Connect with existing or planned open space in the locality;
 - (ii) Incorporate pedestrian and cycle paths;
 - **Protect** (iii) significant

AO29.1

Open space is provided in accordance with the rates and desired standards of service contained in Schedule SC7.9 and Part 4 of this planning scheme.

AO29.1 - Complies

The proposed development does not provide the full variety of open space types envisaged under PO29; however, it does comply with part (d) relating to natural parkland areas. A significant environment/ drainage area is proposed along the western boundary of the site, adjacent to Mulambin Creek.

		natural features;		
	(iv)	Convey stormwater; and		
	(v)	Provide for other recreational needs when not flooded; and		
(d)	Natur	al parkland areas		
(4)	which			
	(i)	Retain locally significant wetlands, remnant vegetation and habitat for fauna;		
	(ii)	Continue ecological corridors and linkages to areas outside of the neighbourhood; and		
	(iii)	Maintain important landscape and visual quality values.		
PO	30	visual quality values.	No acceptable outcome is nominated.	PO30 - Complies
PO30 Neighbourhood design and lot layout provides for safe and secure, well distributed and located parkland that: (a) Provides a clear relationship between the public realm and adjoining land uses through treatment including alignment, fencing and landscaping; (b) Enhances the area's local identity and landscape amenity; (c) Provides for a range of recreational opportunities to meet community needs; (d) Forms a linkage to existing parkland or habitats; (e) Respects and retains existing natural elements; and (f) Protects biodiversity value and features.		les for safe and distributed and land that: s a clear relationship in the public realm and ig land uses through int including alignment, and landscaping; es the area's local and landscape if; s for a range of onal opportunities to ommunity needs; a linkage to existing d or habitats; its and retains existing elements; and is biodiversity value	No acceptable outcome is normaled.	The proposed development will contribute to the provision of open space through the payment of infrastructure charges where relevant.
Haza			No acceptable outcome is nominated.	PO31 - Complies
PO31 Reconfiguration of a lot avoids creating unacceptable risk to human safety, property and the environment due to natural hazards and contaminated land.		cceptable risk to human rty and the environment ral hazards and	no acceptable outcome is nominated.	PO31 - Complies

In summary, and as is evident from the above assessment:

- The proposed development is consistent with the purpose of the code;
- The development generally complies or can be conditioned to comply with assessment benchmarks, with the exception of PO11 (a), given the rural designation of the land.
- Notwithstanding, the proposed lot size is considered appropriate noting:
- It is consistent with the surrounding pattern of development;
- The road network and lot configuration integrates well into its urban context;
- Rural zoned lots that are on the northern side of the development are already fragmented, and are used as 'lifestyle lots', rather than rural production;

- The land is not otherwise able to be utilised for rural production, and has never been used for this purpose.
- Urban land use and subdivision is the highest and best use or the land, noting the sites location, availability of infrastructure and need for housing.

Development Works Code

9.3.2.2. Purpose

The purpose of the development works code is:

- (1) to ensure that development is provided with adequate infrastructure and services relative to its location and needs:
- (2) to ensure that development work is undertaken in a manner that accords with the endorsed standards for the planning scheme area;
- (3) to facilitate the achievement of the overall outcomes sought for development.

9.3.2.3. Overall Outcomes

The purpose of the code will be achieved through the following overall outcomes:

- (1) adequate infrastructure and services are provided to support the reasonable expectations for the needs of the development in relation to the following:
- (a) access and parking;
- (b) energy supply;
- (c) transportation and the movement of people and goods between places;
- (d) roof and allotment drainage;
- (e) sewage and waste water treatment and disposal;
- (f) stormwater management;
- (g) telecommunications;
- (h) water supply; and
- (2) all development work is designed and undertaken:
- (a) in accordance with best environmental management practice;
- (b) in a manner that does not detract from the character and amenity of the setting:
- (c) in a manner that protects or does not significantly adversely affect the natural environmental values of the site and surrounds;
- (d) to be safe, reliable and easily maintained;
- (e) so that surroundings, are not adversely impacted by off-site effects;
- (f) having proper regard to existing public infrastructure and planned future public infrastructure; and
- (g) in a manner that can minimise risk to human life, health and safety, and property.

The proposed development is generally consistent with the overall outcomes of the Development Works Code. It provides adequate transport infrastructure, ensuring appropriate connectivity from both the north and south. The consideration of stormwater management and flood risk is appropriate.

It has been demonstrated that the development has connection to the relevant water and sewer networks, with appropriate capacity subject to the augmentation of the sewer network. This has been dealt with via conditions of approval.

The design of the development is not considered to detract from the established character of the surrounding area and can be considered a logical extension of the Mulambin urban area. Impacts on the natural environmental values are minor and have been appropriately

mitigated, particularly within the designated environmental lot. This is reflected in the independent ecological assessment, and the conditions of the State's approval related to the development.

The supporting civil engineering plans are consistent with the flood modelling and stormwater strategy assumptions.

The following is an assessment of the proposal against the applicable specific outcomes of the development works code.

Table 9.3.2.4.1 – Outcomes for development that is accepted subject to requirements and assessable development

Performance outcomes Acceptable outcomes Assessment Response Access and parking A01.1 AO1.1 - Complies PO1 The development is provided with The proposed development has The development is provided with an on-site parking and movement sufficient on-site vehicle parking sufficient space to provide on-site system designed and constructed and queuing space in accordance parking. with the standards relevant to the (a) be integrated with the site use in compliance with Table layout including: 9.3.2.4.3. (i) direct access to a road AO1.2 - Complies providing an appropriate AO1.2 level of service required to For development other than a use The Traffic Engineering Report by accommodate traffic listed in the table below, an Hayes Traffic Engineering dated generated by the use; engineer who qualifies as a October 2024 confirms all vehicles registered professional engineer of (ii) having appropriately will be able to enter and exit the site designed footpath Queensland certifies that all in forward gear and roads and crossovers: vehicles likely to use the site are manoeuvring areas are designed (iii) provision for safe able to enter and leave the site in a with relevant standards. pedestrian movement forward gear, and that the on-site between public footpath vehicle parking spaces, pick-up and facility entry points: areas, loading and unloading areas, (b) accommodate sufficient queuing areas, circulation and manoeuvring room for the safe manoeuvring areas for the entry and exit of all modes of development are designed and transport generated by the use constructed in accordance with the (including refuse collection most up to date version of the vehicles, trucks, buses and the Australian Standards as relevant to like as relevant to the the development, including but not development); limited to the following: (c) accommodate sufficient (a) Australian Standard AS2890.1parking for the expected 1993: Parking Facilities -Offnumber and type of vehicles street Car parking; generated by the use; (b) Australian Standard AS1428.1-(d) facilitate non-discriminatory 2001: Design for access and accessibility; mobility - General (e) provide for safe and efficient requirements for access - New loading and unloading of building work: goods: (c) Australian Standard AS2890.2-(f) allow for vehicle queuing 1993: Off-street parking necessary for the use: Commercial vehicle facilities. (g) provide for passenger set Accommodation activities down and pick up necessary Caretaker's accommodation for the use (including public Community residence transport needs); **Dual occupancy** (h) facilitate public access to the Dwelling house foreshore and public open Dwelling unit space networks; Home based business (i) provide a safe environment; Recreation activities be compatible with the **Environment facility** character and amenity of the Park area; and Rural activities (k) make a positive aesthetic Animal husbandry contribution to the streetscape Cropping character of the setting, Permanent plantation particularly if involving multi-Roadside stall level parking. Special activities Landing

Table 9.3.2.4.1 – Outcomes for development that is accepted subject to requirements and assessable development			
Performance outcomes	Acceptable outcomes Major electricity infrastructure Substation Telecommunications facility	Assessment Response	
	AO1.3 A solid, good quality brick, timber or masonry screen fence having a minimum height of 1.8 metres is provided between the car parking area of development (other than a use within the accommodation activities group being for long-term accommodation) where adjoining a sensitive land use located within the residential category zone or the township zone	AO1.3 - Not applicable Car parking will be addressed in future development of the residential lots.	
Access driveways are designed and sited: (a) to minimise disruption to public infrastructure; (b) to operate safely and efficiently taking into account the volume, frequency and type of vehicle traffic expected to be generated by the development; (c) to operate safely and efficiently taking into account the function of the adjoining road; and (d) to minimise impacts on the safety, efficiency, or function of the road network.	AO2.1 – AO2.6	PO2 - Not applicable Access to the site will be provided via an extension of the existing road reserve. Vehicle access will be achieved through Portside Drive and Bluff Crescent, both of which are designed to operate safely and efficiently in accordance with the expected traffic volumes and the function of the adjoining road network. These access points comply with all relevant requirements and do not impact the safety, efficiency, or function of existing public infrastructure or the broader road network.	
Advertising devices PO3 - PO5	AO3 - AO5	PO3 - PO5 - Not applicable	
		Proposed development does not include advertising devices.	
Clearing of native vegetation			
PO6 Clearing does not result in any significant adverse impacts on the following: (a) values associated with large tracts of native vegetation which serve as habitat or viable biodiversity corridors; or (b) the regeneration of biodiversity corridors; or (c) wetlands, waterways and native riparian vegetation; or (d) the quality of land and water resources (including underground water).	With the exception of clearing for a purpose identified in AO6.3, clearing does not result in damage, removal or destruction of native vegetation located in proximity to a biodiversity corridor identified on a biodiversity overlay map in accordance with the following: (a) clearing native vegetation is not undertaken within 250 metres of a regional biodiversity corridor; or (b) clearing native vegetation is not undertaken within twenty-five (25) metres of a local biodiversity corridor.	AO6.1 - Can be conditioned The development does not involve clearing of native vegetation within proximity to any mapped local biodiversity corridor, mitigation measures have been incorporated to address potential impacts. An environmental covenant can be established over approximately 3 hectares of retained native vegetation on-site to protect and enhance ecological values in the long term – as required by the State's conditions of approval. Furthermore, an environmental offset has been conditioned as part of the State referral approval process, providing for the offsetting of the impact of habitat loss. AO6.2 - Complies	
	With the exception of clearing for a purpose identified in AO6.3, clearing does not result in damage, removal or destruction of any native vegetation located in proximity to a waterway or wetland identified on a biodiversity overlay map, if it is within the buffer distances in the following table:	The development does not involve the removal, damage, or destruction of native vegetation located within the buffer area to the mapped waterway shown on the Biodiversity Overlay Map. All proposed works, including lot layout and road alignment, have been designed to avoid intrusion into the riparian buffer. The existing vegetation adjacent to the	

ORDINARY MEETING AGENDA	4	19 AUGUST 2025
Table 9.3.2.4.1 – Outcomes for development that is accepted subject to requirements and assessable development		
Performance outcomes	Acceptable outcomes	Assessment Response
	4000	waterway will be retained and protected, ensuring no adverse impacts on the biodiversity values or ecological function of the waterway corridor.
	A06.3 If the development involves clearing of native vegetation, the clearing does not result in damage, removal or destruction of the native vegetation, unless the clearing satisfies the following circumstances: (a) the clearing involves lawful forestry; or (b) the clearing involves plants or plant material that had been planted for a 'cropping' use; or (c) the clearing is for landscape gardening purposes; or (d) the clearing is within a building location envelope or it is outside an environmental covenant area, which forms part of a prior approved development permit for material change of premises or a development permit for a reconfiguration of a lot.	AO6.3 – Complies While the development involves clearing of native vegetation that does not fall within the limited exemptions listed under AO6.3, measures have been incorporated to mitigate environmental impacts and ensure long-term ecological protection. Specifically, an environmental covenant will be conditioned over the remaining 3 hectares of native vegetation on the site, securing the preservation of this area in perpetuity. Additionally, the development has been subject to State referral, and an environmental offset has been conditioned as part of the approval process to compensate for vegetation loss.
PO7 Clearing does not result in land degradation due to soil erosion.	A07.1 If the development involves clearing of native vegetation which is likely to result in the removal of ground cover and the exposure of soil to weather, clearing only occurs if it is undertaken in accordance with an erosion and sediment control plan which has been prepared and endorsed by a suitably qualified person, and the plan ensures that the erosion and sediment control measures are in accordance with best practice.	AO7.1 - Complies Erosion and sediment control conditions can be included on any approval.
Earthwork and retaining walls		
PO8 Earthwork or the construction of any retaining wall occurs only if it results in the following: (a) minimal modification of the natural slope of the land; (b) minimal increase of the	AO8.1 The volume of fill material added to the natural ground level on any lot does not exceed a net increase of two-hundred (200) cubic metres calculated cumulatively, with the only exception being the addition of	AO8.1 - Can be conditioned The ROL application does not seek approval for final earthworks; detailed levels will be provided at Operational Works stage. Conceptual designs have been amended to minimise fill and match

- (b) minimal increase of the elevation of land due to the placement of fill material;
- (c) no unsightly scarring of the landscape;
- (d) retaining walls which are not prominent; and
- (e) no significant adverse impacts on the character or visual amenity of the streetscape or neighbourhood.

only exception being the addition of fill material for a lawfully undertaken use from within the rural activities group if located in the rural zone.

The development does not involve construction of a retaining wall having a height exceeding two (2) metres, or terraced retaining walls having a combined height exceeding two (2) metres unless the following:

amended to minimise fill and match levels to adjacent properties where possible.

The filling of the land that is necessary to achieve appropriate lot-grading and immunity from inundation is considered acceptable and consistent with its connect.

AO8.2 - Complies

Final retaining wall design will be addressed in Operational Works. Specific conditions of approval have been included dealing with retaining wall design and compliance.

development Performance outcomes	Acceptable outcomes	Assessment Response
	(a) the wall is part of a split level building design and it is concealed in its entirety; or	
	(b) no more than forty (40) square metres of total wall face area is	
	visible from a location at any boundary of the lot on which the wall is located.	
	AO8.3	AO8.3 - Complies
	The bulk of a retaining wall or terraced retaining walls having a combined total wall face area	The site is generally flat, and retaining walls are proposed only to retain the necessary fill to ensure
	greater than forty (40) square metres, is broken up by the	free-draining lots with an acceptable level of flood immunity.
	following: (a) the planting of vegetation so that the vegetation screens at	Retaining walls are generally low, and not assessed to create
	least fifty (50) per centum of the face of the walls as viewed	significant visual impact.
	from a location at any boundary of the lot on which the wall is located; or	Conditions have been included about retaining wall design.
	(b) buildings or other non-retaining wall structures so that they	
	screen at least fifty (50) per centum of the face of the walls as viewed from a location at	
	any boundary of the lot on which the wall is located.	
PO9 Earthwork or the construction of any retaining wall occurs only if it results in structurally stable and safe development sites.	AO9.1 Earthwork does not involve the use of material for structural fill which includes: (a) organic soils, such as many topsoils, severely root affected	AO9.1 - Complies No unsuitable material is proposed for structural fill. Final material specifications will be determined at Operational Works stage and can be conditioned to comply with
	subsoils and peat; or (b) materials contaminated through past site usage which may contain toxic substances or soluble compounds harmful to water supply or agriculture; or	AO9.1
	(c) materials containing substances which can be dissolved or leached out in the presence of moisture (for	
	example, gypsum), or which undergo volume change or loss of strength when disturbed and exposed to moisture (for example, some shales and	
	sandstones), unless these matters are specifically addressed in the design; or	
	(d) silts or materials that have the deleterious engineering	
	properties of silt; or (e) other materials with properties that are unsuitable for the	
	forming of structural fill; or (f) fill which contains wood, metal, plastic, boulders or other	
	material that may decompose or cause the creation of voids.	AOO 2. Net
	AO9.2	AO9.2 - Not applicable

	development			
Performance outcomes	Acceptable outcomes	Assessment Response		
	lining is removed and filling consists			
	of clean fill material, which is			
	compacted to a Level 2 standard in			
	accordance with Australian			
le de la companya de	Standard AS3798-2007.	AOO 2 Not applicable		
	AO9.3 The development does not require	AO9.3 - Not applicable Earthworks design is conceptual at		
	earthwork that results in batter	this stage. Batter slopes, if		
	slopes, which exceed twenty-five	required, will be certified by a		
	(25) per cent, unless the earthwork	RPEQ at Operational Works stage.		
	has been certified by an engineer	3		
	who qualifies as a registered			
	professional engineer of			
	Queensland as having been			
	designed and constructed in			
	accordance with best practice and			
	as being structurally stable and			
	safe. AO9.4	ACO 4 Not applicable		
	If the development involves	AO9.4 - Not applicable Retaining walls, if exceeding 1m,		
	construction of a retaining wall	will be certified by a RPEQ during		
	having a height exceeding one (1)	Operational Works. Specific		
	metre, the retaining wall has been	conditions can be included in the		
	certified by an engineer who	approval dealing with retaining wall		
	qualifies as a registered	design and construction.		
	professional engineer of			
	Queensland as having been			
	designed and constructed in			
	accordance with best practice and			
	as being structurally stable and safe.			
	AO10.1	AO10.1 - Complies		
	Earthwork or a retaining wall is	Earthworks and retaining walls are		
	designed to ensure that any	designed to ensure that stormwater		
results in the following:	stormwater drainage achieves	flows follow the most effective		
	lawful discharge of surface water	natural or engineered path, with		
	flows or ground water flows to or	appropriate use of swales, drainage		
	from adjoining land by:	reserves, and other conveyance		
	(a) not unreasonably interfering	measures to maintain lawful and		
(c) no adverse impacts on the	with or redirecting the site's	efficient discharge.		
natural environment; and (d) erosion and sediment control in	natural stormwater drainage characteristics; or			
	(b) ensuring that water is			
accordance was been practice.	conveyed to kerb and channel			
	in a road reserve; or			
	(c) ensuring that water is			
	conveyed to an approved inter-			
	allotment drainage system; or			
	(d) ensuring that water is			
	conveyed to an approved			
	drainage reserve; or (e) ensuring that water is			
	conveyed to an approved and			
	secured drainage easement.			
<u> </u>	AO10.2	AO10.2 - Complies		
	The development does not involve	Compliance with this setback is		
	earthwork or the construction of a	achieved.		
	retaining wall within a wetland or			
	within ten (10) metres of the top of			
	a bank of a waterway of any stream			
	order.	AO40.2 Committee		
	AO10.3	AO10.3 - Complies The SMP outlines that erosion and		
	Earthwork occurs in accordance with an erosion and sediment			
	with an erosion and sediment	sediment control measures will be		

Table 9.3.2.4.1 – Outcomes for development that is accepted subject to requirements and assessable

Table 9.3.2.4.1 – Outcomes for development that is accepted subject to requirements and assessable development			
Performance outcomes	Acceptable outcomes	Assessment Response	
	with best practice. Editor's note: Queensland Development Code Mandatory Part MP1.4 – Building over or near relevant infrastructure contains mandatory requirements for particular buildings and structures in proximity to relevant infrastructure.	be submitted and assessed at the Operational Works stage. Conditions can be included dealing with this benchmark.	
Energy supply			
PO11 An energy supply is provided in a manner which: (a) is safe; and (b) is sufficient to support the needs of the development and the reasonable expectations for the development based on its location; and	AO11.1 The development is provided with an energy supply in accordance with the requirements of Table 9.3.2.4.6.	AO11.1 - Complies It is proposed that the development will be connected to reticulated electricity. Conditions can be included to this effect.	
(c) does not compromise other infrastructure.	AO11.2 If the development requires the provision of reticulated grid electricity supply in accordance with Table 9.3.2.4.6 or if the development is to be provided with a reticulated grid electricity supply, the reticulated grid electricity supply infrastructure is provided in accordance with the requirements of the relevant energy supply authority.	AO11.2 - Complies As above.	
	AO11.3 If the development requires an onsite energy supply in accordance with Table 9.3.2.4.6 (and the development is not to be provided with a reticulated energy supply in accordance with AO11.2 above), the on-site energy supply is installed in accordance with all laws and regulations and current best practice.	AO11.3 - Not applicable	
Sewage and waste water treatment	and disposal		
PO12 The development is provided with sewage and wastewater treatment and disposal infrastructure which: (a) treats and disposes all generated sewage and waste	AO12.1 The development is provided with sewage and waste water treatment and disposal infrastructure in accordance with the requirements of Table 9.3.2.4.5.	AO12.1 - Complies The development will connect to the sewerage network.	
water in a manner that protects public health and avoids environmental harm; (b) where practicable, is integrated with the existing public sewerage networks; (c) where practicable, facilitates the orderly provision of future public sewerage networks; and (d) is designed and constructed to	AO12.2 If the development requires the provision of reticulated sewerage in accordance with Table 9.3.2.4.5 or if the development is to be provided with reticulated sewerage, the reticulated sewerage is provided in accordance with the current version of the Capricorn Municipal Development Guidelines.	AO12.2 - Complies The development will connect to the sewerage network, and conditions have been included to this effect.	
be safe, operationally reliable and easily maintained.	AO12.3 If the development requires on-site sewerage infrastructure in accordance with Table 9.3.2.4.5 (and the development is not to be provided with reticulated sewerage in accordance with AO12.2 above),	AO12.3 - Not applicable The proposed development will connect to the reticulated sewerage network.	

Table 9.3.2.4.1 – Outcomes for development that is accepted subject to requirements and assessable development				
Performance outcomes Acceptable outcomes Assessment Response				
	the on-site sewerage infrastructure is provided in accordance with the current version of the Queensland Plumbing and Wastewater Code.			
Roof and allotment drainage				
PO13 Roof and allotment drainage is able to be collected and discharged from the development in a manner that does not adversely affect the stability of buildings, structures, or land on the site or on adjoining land.	AO13.1 Roof and allotment drainage is conveyed to the kerb and channel or an inter-allotment drainage system in accordance with the most current version of the Australian Standard AS3500.3 (stormwater drainage).	AO13.1 - Not applicable This application is for the initial reconfiguration of lots to allow for residential development. The subdivision has been designed to achieve this drainage outcome, and appropriate conditions can be included to this effect.		
Telecommunications	A0444	AO444 Commiss		
PO14 The development is provided with telecommunications infrastructure or equipment which: (a) is sufficient to support the needs of the development and the reasonable expectations for the development based on	AO14.1 The development is provided with telecommunications infrastructure or equipment in accordance with the requirements of Table 9.3.2.4.6.	AO14.1 – Complies It is proposed that the development will be connected to telecommunications network/s. Conditions can be included to this effect.		
its location; (b) where practicable, is integrated with the existing public telecommunication networks; and (c) is designed and constructed to be safe, operationally reliable and easily maintained.	If the development requires the provision of reticulated telecommunications infrastructure in accordance with Table 9.3.2.4.6 or if the development is to be provided with a reticulated telecommunications infrastructure, the reticulated telecommunications infrastructure is provided in accordance with the requirements of the relevant telecommunications supply authority. AO14.3 If the development requires on-site telecommunications equipment in accordance with Table 9.3.2.4.6, the telecommunications equipment is sufficient to enable contact in normal circumstances with the each of the following nearest emergency services: (a) ambulance station; (b) police station; (c) fire brigade; and (d) state emergency service facility.	AO14.3 - Not applicable		
Water supply				
PO15 The development is provided with water supply infrastructure which: (a) is sufficient to support the consumption and emergency needs of the development and the reasonable expectations	AO15.1 The development is provided with a water supply in accordance with the requirements of Table 9.3.2.4.5.	AO15.1 - Complies The proposed development will be provided with a reticulated water supply. Conditions can be included to this effect.		
for the development based on its location; (b) where practicable, is integrated with the existing public water supply networks; (c) where practicable, facilitates the orderly provision of future public water supply networks; and	AO15.2 If the development requires the provision of reticulated municipal water supply in accordance with Table 9.3.2.4.5 or if the development is to be provided with a reticulated municipal water supply, the reticulated municipal water supply is provided in	AO15.2 - Can be conditioned As above.		

Table 9.3.2.4.1 – Outcomes for development that is accepted subject to requirements and assessable development			
(d) is designed and constructed to be safe, operationally reliable and easily maintained.	accordance with the current version of the Capricorn Municipal Development Guidelines. AO15.3 If the development requires an onsite water supply in accordance with Table 9.3.2.4.5 (and the development is not to be provided with a reticulated municipal water supply in accordance with AO15.2 above), the development is provided with an on-site water tank or multiple tanks for domestic water supply purposes, which have a	ASSESSMENT RESPONSE AO15.3 - Not applicable	
Non-tidal artificial waterways	minimum combined capacity of 50,000 litres.		
PO16 Development involving non-tidal artificial waterways ensures that the non-tidal artificial waterway is planned, designed, constructed, managed to: (a) protect water environmental values; (b) be compatible with the land use constraints for the site for protecting water environmental values; (c) be compatible with existing tidal and non-tidal waterways; (d) perform a function in addition to stormwater management; (e) achieve water quality objectives.		PO16 - Not applicable The development does not include any non-tidal artificial waterways.	
Roadwork			
PO18 All roadwork is designed and constructed in an economically cost-effective manner and ensures that the pedestrian, cycle and vehicle movement network: (a) is safe; (b) is efficient; (c) is orderly; and (d) does not significantly adversely affect amenity.	AO18.1 If the development involves roadwork, an engineer who qualifies as a registered professional engineer of Queensland certifies that all roadwork is designed and constructed in accordance with the Capricorn Municipal Development Guidelines.	AO18.1 - Complies The proposed development supports a safe, efficient, and orderly movement network by providing a logical road connection between Bluff Crescent and Portside Drive. The Traffic Impact Assessment Report prepared by Hayes Traffic Engineering (October 2024) confirms that the road design meets the required standards, ensuring safety for pedestrians, cyclists, and vehicles while maintaining local amenity. All roadworks will be designed and certified by a Registered Professional Engineer of Queensland (RPEQ) in accordance with the Capricorn Municipal Development Guidelines.	
Stormwater management PO19	AO19.1	AO19.1 - Complies	
The development: (a) collects and discharges stormwater in a manner that does not adversely affect the stability of buildings, structures, infrastructure or land, located on the site or off the site;	An engineer who qualifies as a registered professional engineer of Queensland certifies that the development has a stormwater management system which: (a) collects and discharges stormwater to a lawful point of	The flood and stormwater management systems have been reviewed independently and confirmed to comply with relevant benchmarks. Specific conditions of approval are recommended to ensure	

Table 9.3.2.4.1 – Outcomes for development that is accepted subject to requirements and assessable development

Performance outcomes

- (b) has a stormwater management system that is designed and constructed to be safe, operationally reliable, and easily maintained;
- (c) ensures that the stormwater management system and site work does not adversely impact flooding or drainage characteristics of premises which are located up-slope, down-slope, or adjacent to the site.
- (d) ensures that the stormwater management system and site work does not result in ponding or retention of water in a manner that is likely to result in loss of amenity for sensitive land use, or result in adverse impacts on public health and safety;
- (e) where practicable, is integrated with existing public stormwater management networks and planned future stormwater management networks; and
- (f) does not compromise the ability of the stormwater management system for the catchment to ensure that stormwater causes minimal nuisance, danger, and damage to people, property, infrastructure and the environment due to the quantity of stormwater discharge.

Acceptable outcomes

discharge;

- (b) is compatible with and does not compromise the stormwater management system for the catchment; and
- (c) is designed and constructed in accordance with the Capricorn Municipal Development Guidelines and any requirements of the stormwater management planning scheme policy contained in schedule 7.13 of the planning scheme.

Assessment Response

appropriate stormwater management outcomes.

PO20

The development is planned, designed and constructed, and managed to avoid or minimise adverse impacts on environmental values associated with water quality in natural and developed catchments by achieving:

- (a) identified stormwater quality design objectives for the location; or
- (b) current best practice environmental management.

AO20.1

A site stormwater quality management plan has been prepared by a suitably qualified person and the plan:

- (a) is consistent with any local area stormwater management planning; and
- (b) provides for achievable stormwater quality treatment measures which meet the construction phase design objectives identified in Table 9.3.2.4.7 and the post-construction phase design objectives identified in Table 9.3.2.4.8, or current best practice environmental management, reflecting land use constraints, such as:
 - erosive, dispersive, sodic and/or saline soil types;
 - (ii) landscape features (including landform);
 - (iii) acid sulfate soil and management of nutrient of

AO20.1 - Complies

Stormwater management reporting has been prepared demonstrating compliance with this item

Appropriate conditions can be included on the approval to ensure compliance with this benchmark.

Table 9.3.2.4.1 – Outcomes for development that is accepted subject to requirements and assessable development				
Performance outcomes	Acceptable outcomes	Assessment Response		
	concern; (iv) rainfall erosivity. Editor's note: Local area stormwater management planning may include urban stormwater quality management plans, catchment management plans, waterway management plans, healthy waters management plans, water quality improvement plans, and natural resource management plans. AO20.2 An erosion and sediment control plan is prepared by a suitably qualified person, and the plan ensures that the release of sediment-laden stormwater: (a) is avoided for the nominated design storm; and (b) is minimised when the nominated design storm is exceeded by addressing the construction phase design objectives for drainage control,	AO20.2 - Can be conditioned An erosion and sediment control plan has been included as part of the SMP. The civil plans are generally consistent with the findings and assumptions of the FIA and SMP. Appropriate conditions can be included on the approval to ensure compliance with this benchmark.		
	erosion control, sediment control and water quality identified in Table 9.3.2.4.7. AO20.3 Erosion and sediment control practices (including any proprietary erosion and sediment control products) are designed, installed, constructed, operated, monitored and maintained in accordance with the erosion and sediment control plan required by AO20.2.	AO20.3 - Complies Appropriate conditions can be included on the approval to ensure compliance with this benchmark.		
	AO20.4 Development incorporates stormwater flow control measures to achieve the design objectives identified in Table 9.3.2.4.7 and identified in Table 9.3.2.4.8, or current best practice environmental management, including management of frequent flows and peak flows.	AO20.4 - Complies Appropriate conditions can be included on the approval to ensure compliance with this benchmark.		
Waste water treatment and dispos	al (where discharging to a waterway	or off-site)		
PO21 The development does not discharge wastewater to a waterway or off-site unless it is treated and discharged in a manner which: (a) is in accordance with current best practice environmental management; (b) meets the water quality objectives for the receiving	If the development involves the treatment and discharge of wastewater to a waterway or offsite, a wastewater management plan is prepared by a suitably qualified person, and the plan addresses the following: (a) wastewater type; (b) climatic conditions;	AO21.1 - Not applicable		
water; (c) maintains ecological processes, riparian vegetation, waterway integrity and downstream ecosystem health;	(c) water quality objectives; and(d) best environmental practice.			

	Table 9.3.2.4.1 – Outcomes for development that is accepted subject to requirements and assessable development				
	Performance outcomes Acceptable outcomes Assessment Response				
	and				
(d)	avoid causing adverse impacts on ecosystem health and waterway health.				

In summary, the development is capable of achieving the overall outcomes of the Development Works Code, and relevant assessment benchmarks. Conditions can be included on any approval to ensure compliance.

Acid sulfate soils overlay code

Purpose

The purpose of the acid sulfate soils code is to ensure that development which may disturb acid sulfate soils is planned and managed to avoid potential adverse impacts on the natural and built environment, including infrastructure.

Overall outcomes

The purposes of the code will be achieved through the following overall outcomes:

- 1) The presence and extent of acid sulfate soils are identified; and
- 2) The generation or release of acid and metal contaminants into the environment from acid sulfate soils is avoided by:
 - a. Not disturbing acid sulfate soils when excavating or otherwise removing soil or sediment, extracting groundwater or filling land; or
 - b. Treating and, if required, undertaking ongoing best practice management of any disturbed acid sulfate soils and drainage waters.

The presence of ASS does not typically constrain the development potential or layout of sites and just needs to be managed appropriately if disturbed. Therefore, an ASS Investigation and Management Plan will be conditioned to be provided as part of the subsequent Operational Works application.

Performance outcomes	Acceptable outcomes	Assessment Response
PO1	AO1.1	AO1.1 - Can be conditioned
Development assesses the extent and severity of potential acid sulfate soils risk.	An acid sulfate soils investigation report is prepared for the site by a suitably qualified person, and the report: (a) confirms if acid sulphate soils are present and identifies the extent and severity of potential acid sulfate soils risk; or (b) confirms that there are no acid sulphate soils present on the	Further investigation into the precence of acid sulfate soils and their risk is required. As part of this approval reporting will be conditioned.
	site.	
PO2	AO2.1	AO2.1 - Not applicable
Development does not result in the release of acid and metal contaminants which may damage the natural environment, the built	Where acid sulfate soils are present and may be disturbed, an acid sulfate soils management plan is prepared to:	See above.
environment or infrastructure.	(a) protect the natural environment, buildings and infrastructure; and	
	(b) neutralise existing acidity and ensure the release of acid and metal contaminants does not occur.	
	Editor's notes: A condition may be	

Performance outcomes	Acceptable outcomes	Assessment Response
	included on an approval requiring certification from a suitably qualified and experienced person confirming that the management of the acid sulfate soils has complied with the approved management plan.	

In summary, the development is capable of achieving the overall outcomes of the Acid Sulfate Soils Code, and relevant assessment benchmarks. Conditions can be included on any approval to ensure compliance.

Biodiversity Overlay Code

8.2.3.2. Purpose

The purpose of the biodiversity overlay code is to identify, protect, enhance and rehabilitate areas containing matters of environmental significance and the ecological processes and biodiversity values of terrestrial and aquatic ecosystems.

8.2.3.3. Overall outcomes

The purpose of the code will be achieved through the following overall outcomes:

- (1) matters of environmental significance and corridors which link them are identified, protected, enhanced and rehabilitated to maintain ecological processes and biodiversity;
- (2) nature corridors or links are maintained and where appropriate, rehabilitated and expanded to support:
 - (a) the natural movement and proliferation of native species;
 - (b) ecological responses to climate change;
 - (c) the maintenance of large scale migratory lifecycle processes; and
 - (d) connectivity between significant habitat areas and areas of remnant vegetation;
- (3) development does not cause significant adverse impacts on areas containing matters of environmental significance, by appropriately addressing impacts on issues including but not limited to the following:
- (a) species or habitat loss or disturbance, including terrestrial and aquatic wildlife corridors;
- (b) soil degradation, pollution, erosion, contamination, acidification or salinization;
- (c) modification to natural processes; and
- (d) reduction in water quality, ecological values and the natural hydrological regimes of surface and ground waters;
- (4) development maintains or increases the resilience of ecosystems and wildlife habitats to threatening processes, including the impacts of climate change;
- (5) development facilitates land tenure and other management arrangements for the long-term conservation of environmentally significant areas, ecological processes and biodiversity values;
- (6) corridors and associated buffers have dimensions which suitably provide for:
- (a) movement of native fauna;
- (b) viable habitat areas;
- (c) minimisation of edge effects;
- (d) maintenance of the hydrological functions of waterways or wetlands;
- (e) appropriate access for sustainable recreation; and

- (f) any additional maintenance and bushfire setback functions to be located outside the areas required for ecological purposes; and
- (7) fragmentation of existing habitat areas is minimised, particularly where it impacts on the future health of populations of native fauna and flora species.

The independent ecology assessment commissioned by Council for this development has provided an assessment against this relevant code. It is considered that the proposed development responds to the biodiversity values of the site by retaining approximately 3ha of land closest to Mulambin Creek and wetlands, with the highest strategic environmental value in perpetuity by way of its dedication to Council for environmental and drainage purposes. Conditions are recommended to ensure appropriate rehabilitation of this landscape.

The State's approval requires retention of this area, as well as offset arrangements for habitat loss to mitigate and significant residual impact

The layout of the development, and balance land for drainage and environmental purposes does not result in fragmentation, and supports habitat connectivity in perpetuity thought appropriate land tenure controls.

It is recommended that appropriate conditions be included on the approval to ensure appropriate environmental management, specifically conditions dealing with updated ecology reporting, rehabilitation planning and environmental management planning.

Table 8.2.3.4.1 — Outcomes for assessable development

Desferment Outserver	Assemble Outserves	A
Performance Outcomes Land use	Acceptable Outcomes	Assessment Response
PO1 In areas identified as having matters of environmental significance, all uses are located, designed and operated to: (a) retain and protect significant environmental values; and (b) maintain the underlying ecological function and biophysical processes of the site and surrounds.	AO1.1 No acceptable outcome is nominated. Editor's note: Schedule SC7.5 identifies the primary attributes included in areas containing matters of State environmental significance. Site-specific investigation will be required to confirm the extent and nature of values indicated on the overlay map.	AO1.1 - Complies The development includes a reserve area of 3 ha that provides protection for mapped regional ecosystem types including Regional Ecosystems 11.1.2 and 11.2.5. There is also a minimum 100 m – 200 m buffer along Mulambin Creek for the wetlands.
Native vegetation and habitat		
PO2 Development retains and regenerates native vegetation in such a way as to: (a) retain vegetation that is in patches of greatest size and smallest possible edge-to-area ratio; (b) maximise the linkages between vegetation located on the subject site; (c) maximise linkages between vegetation located on adjacent properties within the biodiversity network; (d) allow the dispersal or movement through biodiversity corridors; and (e) protect riparian vegetation in and adjacent to watercourses. Editor's note: council may adopt an offsets planning scheme	No acceptable outcome is nominated.	PO2 - Complies The environment and drainage lot area provides protection and restoration of the identified regional ecosystem types, riparian vegetation along Mulambin Creek, and the habitat that is connected to the adjoining estuarine communities.

policy for matters of local environmental significance at a future date.

Editor's note: Development applications proposed in areas identified as having matters of environmental significance that prepare all relevant material in accordance with Schedule SC7.5 Environmental Management Planning Scheme Policy, will assist in demonstrating achievement of these performance outcomes.

No acceptable outcome is nominated

PO3 - Complies

The proposed reserve offers protection of estuarine and wetland vegetation that provides habitat for significant identified species. The vegetation is protected by a minimum of a 100 m buffer to the residential development and the reserve will be restored to enhance the corridor functions of the area.

PO₃

Development retains, protects and enhances areas of habitat that support a critical life stage in ecological process such as feeding, breeding or roosting for the identified species. Editor's note: council may adopt an offsets planning scheme policy for matters of local environmental significance at a future date.

Editor's note: Development applications lodged with Council must identify all species listed that are present within or adjacent to the premises and habitats that may be affected by the proposal. In particular applications are to identify and describe how the development protects or enhances wildlife habitat at any critical life stage ecological processes within or adjacent to the development area. This should be reflected in an ecological assessment report prepared in accordance with the Schedule SC7.5.

PO4

Development protects existing biodiversity corridors and assists in the establishment of new corridors which have adequate dimensions and characteristics to support:

- (a) unimpeded movement of terrestrial and aquatic fauna that are associated with or are likely to use the biodiversity corridor as part of their normal life cycle evolutionary and genetic processes:
- (b) the natural change in distributions of species and connectivity

en populations of species over long periods of time;

ecological responses to climate change;

AO4.1

Development involving roads, pipelines, pedestrian access and in-stream structures:

- (a) does not create barriers to the movement of fauna (including fish passage) along or within biodiversity corridors; or
- (b) provides effective wildlife movement infrastructure in accordance with best practice which:
 - (i) enables fauna to safely negotiate a development area; and
- (ii) separates fauna from potential hazards through the use of appropriate fencing.

AO4.2

hetwe

Development ensures that biodiversity corridors have a

AO4.1 - Complies

The proposed 3ha reserve protects habitat that is connected to adjoining estuarine communities and contributes to a north-south sub-regional corridor. The estuarine wetland vegetation is protected by a minimum 100m buffer to the development. Additionally, the proposed reserve will be restored to enhance the buffering and corridor functions of this area. The dimensions of the proposed reserve (approximately 200m wide) maximises the protection of existing biodiversity and habitat values including all three (3) regional ecosystems mapped on the site.

AO4.2 - Complies

See above.

(d) maintenance of large scale seasonal/migratory species processes and movement of fauna; (e) connectivity between large tracts and patches of native remnant vegetation and habitat areas; and (f) effective and continuous movement of terrestrial and aquatic fauna.	sufficient width to protect habitat, minimise impacts from adjoining land use, and to enhance connectivity in accordance with the following: (a) regional corridors retain a width of at least five-hundred (500) metres; and local corridors retain a width of at least fifty (50) metres.	
Wetlands and waterways		
PO5 Development retains waterways and wetlands and avoids impacts on: (a) native riparian vegetation; (b) habitat; (c) ecological functions; (d) water quality; and nature conservation values.	AO5.1 A buffer surrounding a waterway or wetland is established and maintained free of development, the width of which is supported by an evaluation of the environmental values and functions and threats to matters of State or local environmental significance.	AO5.1 - Complies The estuarine and wetland vegetation is protected by a minimum of a 100 m buffer.
PO6 Development does not cause land degradation near a waterway or wetland, including: (a) mass movement, gully erosion,	A06.1 Native vegetation is retained or where retention is unavoidable, it is reinstated within riparian areas and buffer areas.	AO6.1 - Complies There is a reserve area of 3 ha that will be protected by a 100 m buffer to the development. This area will be restored.
rill erosion, sheet erosion, tunnel erosion, stream bank erosion, wind erosion, or scalding; and	AO6.2 Foreshore areas are fenced to prevent stock access.	AO6.2 - Not applicable
loss or modification of chemical, physical or biological properties or functions of soil.	AO6.3 Riparian areas are fenced to limit stock access to a limited number of watering holes.	AO46.3 - Not applicable
All matters of environmental signi	ficance	
PO7 All matters of environmental significance are identified and protected from significant adverse impacts associated with development.	No acceptable outcome is nominated.	AO7.1 - Complies The proposed development has a reduced footprint facilitating increased protection for MES that are mapped over the site.
Editor's note – Council may adopt an offsets planning scheme policy for matters of local environmental significance at a future date.		
Hydrology PO8	No acceptable outcome is	POS Complies
Development enhances or maintains the existing surface water hydrological regime of all areas containing matters of environmental significance.	nominated.	PO8 - Complies Matters of Environmental Significance include the biodiversity corridor and estuarine wetland along Mulambin Creek. The proposed reserve protects these values by providing a restored minimum 100m buffer to the development. The proposed restored reserve will maintain the existing surface water hydrological regime of the estuarine wetlands and support the existing biodiversity corridor function.
PO9 Development: (a) enhances or maintains the	No acceptable outcome is nominated.	PO9 - Complies The proposed reserve protects estuarine and wetland vegetation along Mulambin Creek.

existing groundwater hydrological regime of all areas containing matters of environmental significance; (b) ensures that the water table and hydrostatic pressure in the area of environmental significance is returning to its natural state; and does not result in ingress of saline water into freshwater		
aquifers.		
Ongoing management, constructi	on and operation	
PO10	No acceptable outcome is	PO10 - Can be conditioned
During the construction and operation of development, ongoing management, monitoring and maintenance is undertaken to ensure impacts on environmentally significant areas, biodiversity values and ecological processes, including water quality and hydrology, are avoided or minimised.	nominated.	The proposed development will be managed in accordance with approved management plans and conditions of approval that will ensure potential impacts are appropriately avoided, minimised, mitigated and managed.
PO11	No acceptable outcome is	PO11 - Can be conditioned
Development transfers into public ownership, or incorporates within a voluntary statutory covenant registered under the <i>Land Title Act 1994</i> , any land required for public access or for some other public purpose consistent with its ecological functions, including:	nominated.	The reserve area will be restored and dedicated to Council as public open space. this can be appropriately conditioned to ensure compliance.
(a) access for maintenance;(b) linking core and remnant habitat areas; and		
land protecting water quality and ecological processes.		
Rehabilitation		
Areas degraded as a result of development are rehabilitated by the proponent as near as is practicable to the naturally occurring local native plant species and ecological communities. Editor's note: A rehabilitation plan supported by expert ecological advice prepared in accordance with Schedule SC7.5 will assist in demonstrating achievement of this performance outcome3.	No acceptable outcome is nominated.	PO12 - Can be conditioned See above.
Vegetation clearing		
PO13 Development avoids indiscriminate and unnecessary clearing of vegetation in order to protect: (a) the visual integrity of the natural landscape; ecological features and processes that underpin biodiversity.	AO13.1 Vegetation clearing: (a) does not occur; or (b) where it cannot be avoided, is carried out in accordance with the Development Works Code.	AO13.1 - Complies
PO14 Development retains and protects locally significant	No acceptable outcome is nominated.	PO14 - Not applicable An ecological assessment was

species, including but not limited undertaken and none of the listed to the following: species were detected or considered likely to occur within Cycas ophiolitica; the site based on the mapped (b) Byfield Fern; vegetation associations and habitat (c) Stackhousia tryonii; and values. (d) Koala. If reconfiguring a lot PO15 AO15.1 PO15 - Complies Reconfiguring a lot does not The ecological function and The development includes: biodiversity values of existing result in the following: vegetation and habitat are a environmental area of (a) the creation of additional lots maintained by ensuring that within areas mapped as 3 ha that provides reconfiguring a lot in areas containing matters of protection for mapped containing matters of environmental significance; regional ecosystem environmental significance does types including Regional not result in significant adverse (b) the creation of new lots Ecosystems 11.1.2 and impacts on the values present. adjoining areas mapped as 11.2.5. containing matters of Rehabilitation of the Editor's note - Council may environmental significance of proposed adopt an offsets planning less than ten (10) hectares. environmental/drainage scheme policy for matters of lot that will be local environmental significance transferred to Council. at a future date. A minimum 100 m - 200 Editor's note: Development m buffer along Mulambin applications proposed in areas Creek for the wetlands. identified as having matters of An offset to mitigate environmental significance that significant residual prepare all relevant material in impact relating to habitat accordance with Schedule SC7.5 Environmental loss. Management Planning Scheme To that end, it is considered that the Policy, will assist in development achieves PO15 demonstrating achievement of these performance outcomes. AO16.1 PO16 AO16.1- Complies Reconfiguring a lot incorporates No acceptable outcome is The development includes a a buffer to areas containing nominated. reserve area of 3 ha that provides matters of environmental protection for mapped regional significance in accordance with ecosystem types including minimum best practice standards Regional Ecosystems 11.1.2 and and the buffer area has characteristics to minimise 11.2.5. There is also a minimum development impacts on the 100 m - 200 m buffer along values present. Mulambin Creek for the wetlands. Editor's note: The Queensland wetland buffer guideline, Department of Environment and Heritage, 2011 should be referred to when planning detailed buffer design to position development, determine any alternative buffer widths, and

In summary, and as is evident from the above assessment:

establish operating measures that avoid adverse impacts on a

wetland.

- The proposed development is consistent with the purpose of the code, noting:
 - Approximately 3ha land is to be retained for environmental and drainage purposes;
 - That 3ha of land is to be rehabilitated and transferred to Council:
 - An offset will be made for the balance of the potential habitat affected by this proposal;

- Appropriate setbacks Mulambin Creek are achieved;
- The layout of the development supports habitat connectivity and avoids habitat fragmentation.
- Compliance with the relevant assessment benchmarks is achieved, subject to conditions where necessary to ensure compliance.

Bushfire Hazard Overlay Code

8.2.4.2. Purpose

The purpose of the bushfire hazard overlay code is to ensure that development in bushfire prone areas does not increase risk to life, property, community, economic activity and the environment during bushfire events.

8.2.4.2 Overall Outcomes

The purpose of the code will be achieved through the following overall outcomes:

- (1) development is located where bushfire hazard risk to personal safety and property is avoided or minimised and mitigated to acceptable levels;
- (2) highly vulnerable and community uses are not located in bushfire hazard areas;
- (3) vegetation which is identified as matters of State or local environmental significance is not cleared to achieve bushfire hazard minimisation;
- (4) natural processes and the protective function of landforms and vegetation are maintained in bushfire hazard areas:
- (5) access is provided for safe entry and exit requirements for residents during bushfire events:
- (6) development provides for the efficient operational requirements of fire fighters during bushfire events:
- (7) development is provided with adequate water supply and fittings for fire-fighting vehicles, and access arrangements for fire fighters;
- (8) emergency services facilities are located and designed to function effectively during and after a bushfire;
- (9) development does not create an unacceptable burden on disaster management response or recovery capacity and capabilities; and
- (10) development avoids the storage of hazardous materials in a bushfire hazard area.

The proposed development generally complies with the overall outcomes of the Bushfire Hazard Overlay Code. The lot layout has been informed by a Bushfire Hazard Assessment, with risks to personal safety and property minimised through strategic design elements, including reduced lot numbers, a firebreak, and a bushfire access track along the western boundary. Dual road access from both the north and south enhances emergency egress and facilitates fire service operations. The development is not for a highly vulnerable or community use and does not propose the storage of hazardous materials, consistent with safety objectives. While some mapped vegetation of local significance will be cleared to establish safe buffers and meet bushfire mitigation requirements, this is balanced by the retention of a 3ha reserve that protects higher-value ecological areas. A reticulated water supply with adequate pressure will support firefighting efforts, and further access and infrastructure standards will be addressed through future development approvals. The design does not create an unacceptable burden on disaster response and recovery capacity and enables efficient emergency access and operations.

Table 8.2.4.4.1 — Outcomes for assessable development

Performance outcomes Acceptable outcomes Assessment response
Reconfiguring a lot where located in bushfire hazard areas identified as potential impact buffer, or
medium potential bushfire intensity, or high potential bushfire intensity, or very high potential bushfire
intensity

Performance outcomes	Acceptable outcomes	Assessment response
Bushfire planning	Acceptable outcomes	Assessment response
PO11 The lot layout is designed as a consequence of, and in accordance with the recommendations of a bushfire hazard assessment and management plan. Editor's note: A bushfire hazard assessment and management plan should precede the reconfiguring design and inform the lot layout, not vice versa. Editor's note: The recommendations of a bushfire hazard assessment and management plan (if considered suitable) may be attached to the conditions of any development approval (if given).	No acceptable outcome is nominated.	PO11 - Complies The lot layout has been designed in response to, and in accordance with, the recommendations of the bushfire hazard assessment. The amended plans reflect a reduced number of lots and include an additional northern road connection, both of which enhance bushfire safety and improve hazard reduction outcomes. The layout changes align with the intent of the original assessment and provide improved access and defendable space.
A bushfire hazard assessment and management plan demonstrates that all future buildings are able to be separated from the bushfire hazard by a distance which is the greater of the following: (a) a sufficient distance to achieve a bushfire attack level no greater than 29kW/m²; or (b) no less than 1.5 times the mature tree canopy height in the hazard hazardous vegetation; or (c) for forest or woodland vegetation, a sufficient area to create a building protection zone which achieves the following: (i) the inner zone and outer zone of the building protection zone have slopes under thirty-three (33) per cent; and (ii) the inner zone has the following characteristics: (A) it has a minimum distance of ten (10) metres, or a distance sufficient to achieve a bushfire attack level no greater than 29kW/m²; and (B) tree canopy cover in the zone is less than ten (10) per cent; and (C) three canopy is located greater than two (2) metres from any part of the roofline of a building; and (iii) the outer zone has the following characteristics: (A) it has a minimum	No acceptable outcome is nominated.	PO12 - Complies Updated engineering plans show a proposed bushfire access gravel track running along the western boundary of the proposed residential lots.

Performance outcomes	Acceptable outcomes	Assessment response
metres plus one (1)	Acceptable dateomes	- Assessment response
metre for every		
degree of downslope		
vegetation; and		
(B) tree canopy cover in the zone is less than		
thirty (30) per cent.		
Editor's note: The separation area between buildings and the bushfire hazard may include:		
 a cleared road reserve of 		
adequate width; or		
open space acceptable to Council as a reserve contributed as part of the open space requirements of a development; or		
 maintainable land retained in private ownership in lots which are large enough to contain the required separation distance; or 		
 maintainable open space or fire trail in a Community Management Scheme owned and maintained by the body corporate. 		
PO13	AO13.1	AO13.1 - Complies
Lot design minimises the number of	No more than twenty (20) per cent	5 of 77 lots have direct interface
lots which have a direct interface	of the total number of lots in the	with the bushfire hazard resulting in 6.5% of the total number of lots.
with the bushfire hazard.	development interface directly with the fire hazard.	0.5% of the total number of lots.
Access	the me nazard.	
PO14	AO14.1	AO14.1 - Complies
The reconfiguring design ensures	Where creating lots having an area	The proposal has been updated to
that the road network, future driveways and access routes:	less than two (2) hectares: (a) all lots are separated from	include alternate routes for bushfire hazard which will alleviate potential
(a) avoid potential for entrapment during a bushfire;	hazardous vegetation by a constructed all-weather, public	for entrapment and assist in emergency access.
(b) provide safe and efficient movement of residents, workers and visitors out of the subdivision and away from an approaching bushfire;	road; (b) the road layout provides for at least one alternative access route connecting all lots in the development to a public road	
(c) provides alternative access and egress considering the most likely bushfire scenarios;	that meets the requirements in Table 8.2.4.4.2 and which is connects to a collector road;	
(d) ensures that the location, siting, and design of development and associated driveways and access routes enables safe and efficient access for emergency services vehicles during and after a bushfire.	and (c) cul-de-sacs are avoided except where: (i) a perimeter road with a cleared width of twenty (20) metres separates the lots at the head of the cul-de-sac from hazardous	
Editor's note: A bushfire hazard	vegetation; and	
assessment and management plan can assist in demonstrating compliance with this performance outcome.	(ii) the cul-de-sac is no longer than seventy (70) metres from the intersection with another road to the furthest future building.	
	Editor's note: Where staged development occurs or development is in accordance with	

Performance outcomes	Acceptable outcomes	Assessment response
	an approved master plan, a temporary perimeter road may be considered, subject to availability of reticulated water supply.	
	AO14.2	AO14.2 - Not applicable
	Where creating lots having an area greater than two (2) hectares:	The development will not result in residential lots over 2 ha.
	(a) all lots have a driveway or private road access which connects directly to a constructed all-weather public road;	
	(b) dead-end roads are a maximum length of 200 metres and an alternative emergency evacuation route is provided away from the most likely source of bushfire risk.	
	AO14.3 For all lots, private roads and access driveways comply with the requirements specified in Table 8.2.4.4.2.	AO14.3 - Can be conditoned Access driveways will comply with the requirements of table 8.2.4.4.2. this will be conditioned to be addressed in future development applications.
	AO14.4	AO14.4 - Complies
	Where the lots: (a) are required to be supplied with reticulated municipal water supply, private roads and access driveways have a maximum length of seventy (70) metres from an all-weather public road designed with culverts and bridges constructed with a minimum load bearing of fifteen (15) tonnes; or	Due to resulting lot sizes there is no potential for driveways to be 70 meters.
	(b) are not required to be supplied with reticulated municipal water supply, private roads and access driveways have a maximum length of 200 metres from an all-weather public road designed with culverts and bridges constructed with a minimum load bearing of eight (8) tonnes.	
Water for fire fighting purposes		AO15.1 - Complies
PO15 Development involving new premises provides adequate infrastructure to support firefighting.	AO15.1 Where the development is connected to a reticulated water supply, lots are provided with water supply and pressure in accordance with Australian Standard AS2419 Fire Hydrant Installations.	Each lot will be provided with a reliable reticulated water supply that has sufficient flow and pressure characteristics in line with the proposed bushfire management plan and can be conditioned.

In summary, the development is capable of achieving the overall outcomes of the Bushfire Hazard Overlay Code, and relevant assessment benchmarks. Conditions can be included on any approval to ensure compliance.

Coastal Hazard Overlay Code

8.2.5.2. Purpose

The purpose of the coastal hazard overlay code is to ensure that development in the coastal zone is planned, designed, constructed and operated to:

- (1) avoid, or minimise and mitigate risk to people and property from coastal hazards including storm tide inundation and coastal erosion, taking into account predicted effects of climate change; and
- (2) protect coastal resources and allow for natural fluctuations in coastal processes as far as possible.

8.2.5.3. Overall outcomes

The purpose of the code will be achieved through the following overall outcomes:

- (1) foreshore ecosystems and biological diversity are protected and managed to maintain their natural protective functions and allow for natural fluctuations to continue as far as possible:
- (2) risk from coastal hazards (including predicted effects of climate change) is avoided or mitigated and managed to acceptable levels;
- (3) matters of State or local environmental significance are not adversely impacted on in order to achieve hazard minimisation or mitigation;
- (4) coastal dependent land use and infrastructure is undertaken in a manner which minimises impacts on coastal resources and mitigates risks to people and property;
- (5) emergency services facilities and vulnerable community uses are located and designed to function effectively during and after coastal hazard events;
- (6) development does not create an unacceptable burden on disaster management response or recovery capacity and capabilities;
- (7) development avoids the storage of hazardous materials in a coastal hazard area;
- (8) public access to the foreshore is maintained and enhanced; and
- (9) development does not include canals and artificial waterways that connect to tidal waterways.

The proposed development complies with the overall outcomes of the Coastal Hazard Overlay Code. A Coastal Hazard Assessment confirms that civil works will have negligible off-site impacts, with no actionable effects on surrounding properties. The majority of vegetation within the mapped erosion-prone area will be retained in a dedicated balance lot for conservation, ensuring protection of coastal ecosystems and biodiversity. The site is located in a sheltered estuarine environment not subject to active coastal erosion, and no canals or artificial waterways are proposed. No hazardous materials will be stored on-site, and the development does not place an undue burden on disaster response or recovery services. Overall, the design appropriately manages coastal risks while protecting environmental and community values.

Table 8.2.5.4.1 – Outcomes for development that is accepted subject to requirements and assessable development

Performance outcomes	Acceptable outcomes	
Storm tide hazard areas		
PO4 The development does not change storm tide characteristics, which may cause adverse impacts external to the site.	AO4.1 The development does not involve the following: (a) new buildings or structures or additions to existing buildings or structures (including any impermeable parts thereof) located below the defined storm tide hazard level if: (i) having an enclosed space having a volume exceeding fifty (50) cubic	AO4.1 - Complies The proposed development will result in the establishment of residential lots that partially extend into the mapped erosion-prone area. However, the design and layout of the infill development are consistent with the existing residential pattern to the south, where similar land has been filled and developed for low-density residential use. The proposed

Performance outcomes	Acceptable outcomes	
	metres; or (ii) resulting in a net increase in building materials resulting in a volume exceeding fifty (50) cubic metres; or (b) a net increase in filling on the site greater than fifty (50) cubic metres; or (c) filling material with a height greater than one hundred (100) millimetres; or (d) block or solid walls or fences; or (e) garden beds or other structures with a height more than one-	methodology mirrors this established approach and incorporates appropriate mitigation measures.
PO5 Development is located, designed and constructed to avoid adverse impacts on people and property from storm tide inundation.	hundred (100) millimetres. AO5.1 Development: (a) does not result in: (i) an increase in the number of dwellings at the site; or (ii) an increase in the number of people permanently employed at the site; and (b) is located, designed, constructed and operated to ensure structures can withstand wave action, inundation and recession of flood waters from a defined storm tide event.	AO5.1 - Complies The proposed development involves the subdivision of the existing land parcel to create 77 residential allotments and a balance lot. All new residential lots will be constructed with finished surface levels above the design storm tide level specified by Livingstone Shire Council. This ensures the development is resilient to coastal hazard events and complies with relevant flood risk management and coastal planning provisions.
Erosion prone areas		
PO10 Development is located, designed and constructed to avoid adverse impacts on people and property from coastal erosion.	AO10.1 Development is: (a) essential community infrastructure which cannot be located elsewhere; or (b) coastal-dependent development; or (c) temporary, readily relocatable or able to be abandoned.	AO10.1 - Complies Modelling undertaken as part of the Coastal Hazard Assessment confirms that the proposed civil works will have a negligible impact on the behaviour of storm tide events beyond the site. The development will not result in actionable damage to upstream, downstream, or adjacent properties. Furthermore, the proposed development footprint does not extend seaward beyond the line of existing buildings or structures, thereby maintaining the existing coastal setback and avoiding encroachment into more vulnerable coastal areas.
	AO10.2 Where involving an additional building or extensions or alterations to an existing building, the development does not extend any further seaward than existing buildings or structures.	AO10.2 - Complies See above
Additional outcomes for asses	sable development	
Storm Tide Hazard PO11 New lots and development associated with reconfiguring a lot does not create an unacceptable risk of adverse impact to people, property, and infrastructure due to	No acceptable outcome is nominated.	PO11 - Complies The finished surface level of all lots created as part of the proposed subdivision will be established well above the design storm tide level prescribed by the Livingstone Shire

storm tide hazard and inundation.		council.
PO12 The development does not directly, indirectly or cumulatively increase the severity of the coastal hazard and the potential damage of other properties.	No acceptable outcome specified.	PO12 - Complies Portions of the site located within the mapped erosion-prone area, primarily within the western extent of the property, will be appropriately formed through controlled bulk earthworks. As evidenced in the Coastal Hazard Assessment, modelling confirms that the proposed civil works will have a negligible impact on the characteristics of storm tide events beyond the development site. The works will not increase the severity of coastal hazards in the surrounding area and are not expected to result in actionable damage to adjacent, upstream, or downstream properties. The development has been designed to ensure that it does not exacerbate existing coastal risks.
PO13 Development does not include man-made canals or artificial waterways that connect to tidal waterways.	No acceptable outcome is nominated.	PO13 - Complies The development proposal does not include canals etc.
PO14 Development maintains existing natural environmental features such as mangroves and wetlands to mitigate impacts from storm-tide inundation and permanent inundation due to sea-level rise.	No acceptable outcome is nominated	PO14 - Complies The majority of vegetation within the mapped erosion-prone area will be retained and protected through the creation of a large balance lot designated for ongoing conservation purposes. Preserving this vegetation will contribute to maintaining the physical stability and ecological function of the site, acting as a natural buffer that mitigates the impacts of storm tide events and associated coastal processes during severe weather conditions.
PO15 Development avoids or mitigates any increase in risk to people and property from adverse coastal erosion impacts by: (a) minimising the area of the development footprint within the erosion prone area; (b) locating development as far landward as possible; (c) maximising the ability for buildings or structures to be abandoned, or disassembled for relocation either on the site or to another site; (d) installing and maintaining onsite coastal protection works.	No acceptable outcome is nominated	PO15 - Complies The development site is located within a sheltered section of the Mulambin Creek estuary and is not exposed to active coastal erosion processes, such as wave impact or the conveyance of flood or tidal waters during storm tide events. All new residential lots will be constructed with finished surface levels above the design storm tide level specified by Livingstone Shire Council, ensuring resilience to coastal hazards.
PO16 New lots and development associated with reconfiguring a lot does not create an unacceptable risk of adverse impact to people, property and infrastructure due to erosion resulting from storm tide hazards.	No acceptable outcome is nominated	PO16 - Complies The creation of new lots and associated development as part of the reconfiguration will not result in an unacceptable risk to people, property, or infrastructure from erosion associated with storm tide hazards. The proposal has been informed by detailed coastal hazard

		assessment and incorporates appropriate mitigation measures to
D017	No populable systems is	ensure safety and resilience.
PO17 Where used, coastal protection works are: (a) consistent with a shoreline erosion management plan that has been prepared for the area; or	No acceptable outcome is nominated	PO17 - Not applicable
(b) undertaken in response to a demonstrated need to protect existing permanent structures from an imminent threat of coastal erosion, where abandonment or relocation of the structures is not feasible, and a relevant shoreline erosion management plan has not been prepared.		
PO18	No acceptable outcome is	PO18 - Complies
Development in an erosion prone	nominated	The proposed development
area: (a) maintains, protects or enhances vegetation on coastal landforms; (b) maintains sediment volumes of dunes and near-shore coastal landforms; or (c) mitigates any increased risks from erosion through the		ensures the protection of existing vegetation within the mapped erosion-prone area, with. A substantial portion of the site retained as a dedicated conservation lots. This approach maintains the ecological and physical integrity of coastal landforms.
location, design, construction and operating standards of development;		ididioinis.
(d) maintains physical coastal processes beyond the development including longshore transport of sediment along the coast; and		
(e) prevents increasing the risk of shoreline erosion for areas adjacent to the development, unless the development is an erosion control structure.		
Editor's note: Applications are to be supported by a report certified by a registered professional engineer		
that demonstrates this performance outcome will be achieved		

In summary, the development is capable of achieving the overall outcomes of the Coastal Hazard Overlay Code, and relevant assessment benchmarks. Conditions can be included on any approval to ensure compliance.

Flood hazard Overlay Code

Purpose

The purpose of the flood hazard overlay code is to ensure that development in flood hazard areas avoids, or minimises and mitigates risk to life, property, community and the environment during floods, to an acceptable level.

Overall outcomes

The purpose of the code will be achieved through the following overall outcomes:

- 1) known areas of flood risk, and the probability of future flooding, are identified;
- 2) development does not occur in areas at risk from flood inundation unless undertaken in a manner that minimises and mitigates the risk to life, property, community and the environment during floods, to an acceptable level;

- 3) matters of State or local environmental significance are not adversely impacted on in order to achieve hazard minimisation or mitigation;
- 4) development does not increase flood risk for land upstream and downstream of the development site and the hydraulic connectivity and capacity of flood hazard areas are not adversely affected by development;
- 5) emergency services, community facilities and infrastructure required during a flood emergency are located above flood hazard areas and they are designed to function effectively during and immediately after flood events;
- 6) development does not create an unacceptable burden on disaster management response or recovery capacity and capabilities;
- 7) no further fragmentation of land occurs within flood hazard areas;
- 8) where possible, development intensity in flood hazard areas is progressively reduced over time; and
- 9) development avoids the storage of hazardous materials in a flood hazard area.

The proposed development involves a reconfiguration of land that has been designed to align with the purpose and overall outcomes of the Flood Hazard Overlay Code. All proposed residential lots are located outside the identified flood hazard extent, with flood-free access provided and no reliance on mitigation measures to support development in flood-affected areas. The proposal maintains hydraulic connectivity, does not increase flood risk upstream or downstream, and avoids adverse impacts to surrounding properties or environmental values. The inclusion of an additional access point to the north can be conditioned to support emergency response and reduce potential access constraints. No hazardous materials are proposed, and further fragmentation of flood hazard land is avoided. The reduced development footprint further supports long-term risk reduction and aligns with the strategic intent of the code.

Council has commissioned independent engineering advice about the hydrology aspects of this development proposal, particularly relating to stormwater management and its impact on flood hazard.

The following is an assessment of the proposal against the specific benchmarks of the flood hazard overlay code, which includes an assessment of the development against the relevant performance outcomes of the code.

Table 8.2.7.4.1 — Outcomes for development that is accepted subject to requirements and assessable development

Performance outcomes	Acceptable outcomes	Assessment Response
Location, design, siting, operation		
PO1 The development is sited and designed such that risk to people and property from flood inundation is avoided or minimised.	AO1.1 The finished floor level of all habitable rooms is located at or above the defined flood hazard level.	AO1.1 - Complies and further conditioned The habitable floor levels requirements for the residential lots is RL5.20 m AHD. It is assumed that new dwellings will be constructed on a minimum 200 mm thick slab, the proposed minimum earthworks level for the site has been set as RL5.0 m AHS. To ensure compliance with this outcome operational works will be conditioned to be further assessed.
	AO1.2 If the development involves an addition or extension to an existing building(s): (a) it does not result in an increase	AO1.2 - Not applicable

Performance outcomes	Acceptable outcomes	Assessment Response
	in the number of dwellings on the site; (b) the total number of bedrooms in any existing dwelling does not exceed four (4); and (c) all buildings are constructed in	
	accordance with the Queensland Development Code – MP3.5 — Construction of buildings in flood hazard areas.	
PO2 The development is located and designed such that all buildings, structures and driveways on the site do not obstruct the free drainage of flood waters after a flood.	AO2.1 All buildings, structures and driveways are constructed: (a) on a single building pad which is above the defined flood level; or (b) so that spaces between buildings, structures and driveways are able to drain freely.	AO2.1 - Can be conditioned This outcome can be conditioned and addressed in future applications for the site.
PO3	AO3.1	AO3.1 - Complies
All water, sewer, electricity and telecommunications infrastructure servicing the development maintains effective functioning during and after a flood.	All water, sewer, electricity and telecommunications infrastructure: (a) is located above the defined flood level; or (b) is designed to exclude water intrusion and resist hydrodynamic and hydrostatic forces from damaging the infrastructure.	The Neville Street swale discharges directly to Mulambin Creek and will not cause adverse effects to infrastructure.
PO4	AO4.1	AO4.1 - Complies
Development does not cause adverse impacts on property, infrastructure or the natural environment (on-site or off-site) due to flooding. Editor's note: To assist with demonstrating compliance with this performance outcome, a report should be prepared by an appropriately qualified person which demonstrates to the satisfaction of the assessment manager, that the development does not cause adverse impacts external to the site due to: (a) reductions of flood storage capacity; or (b) changes to depth, duration and velocity of flood waters; or (c) changes to flood flow paths; or (d) reductions in flood warning times elsewhere on the	The development does not involve the following: (a) new buildings or structures or additions to existing buildings or structures (including any impermeable parts thereof) located below the defined flood hazard level if: (i) having an enclosed space having a volume exceeding fifty (50) cubic metres; or (ii) if resulting in a net increase in building materials resulting in a volume exceeding fifty (50) cubic metres; or (b) a net increase in filling on the site greater than fifty (50) cubic metres; or (c) filling material with a height greater than one-hundred (100) millimetres; or	While the development increases the magnitude and volume of peak runoff under the 1% AEP flood event, this is effectively managed through a major drainage system design, which prevents increased flood levels or flooding durations on adjacent properties or infrastructure. Hydrological modelling and flood impact assessments confirm no loss of flood storage, no increase in scour or erosion risk, and no reduction in flood warning times.
floodplain.	AO5.1	AO5.1 - Not applicable
Development avoids the release of hazardous materials into floodwaters.	All areas associated with the manufacturing and storage of hazardous materials in excess of	

Performance outcomes	Acceptable outcomes	Assessment Response
	2,500 litres or 2,500 kilograms, are located above the defined flood hazard level.	
PO6 Development is located to minimise susceptibility to and potential impacts of flooding.	AO6.1 Underground vehicle parking areas are designed to prevent the intrusion of floodwaters by the incorporation of a bund or similar barrier above the defined flood hazard level.	AO6.1 - Not applicable
PO7 Development involving temporary or moveable residential structures (for example caravan parks and camping grounds) is located to minimise susceptibility and potential impacts of flooding.	AO7.1 Development involving temporary or moveable residential structures is located on the highest part of the site and in an area where there is at least twenty-four (24) hours flood warning time to enable safe evacuation.	AO7.1 - Not applicable
PO8 Development does not change the flood characteristics of the area, taking into account the cumulative impact of development outside of the site.	AO8.1 Development does not result in changes to downstream flood characteristics including: (a) loss of flood storage; (b) increased scour and erosion; (c) loss of or changes to flow paths; (d) flow acceleration or retardation; (e) increase in the depth and duration of flood waters; and (f) reduction in flood warning times. Editor's note — in reference to all acceptable outcomes nominated above, Council may require the preparation of a flood study to demonstrate compliance with these acceptable outcomes. This is to be prepared in accordance with Schedule SC7.6	AO8.1 - Complies While the development will increase the magnitude and volume of 1% AEP peak flow runoff between predevelopment and post-development conditions, this increase has been managed through the proposed major drainage system design such that there are no adverse impacts to adjacent properties and infrastructure due to flood level increase.
PO9 Development for essential public services, community activities and other important public assets and infrastructure are able to function effectively during and immediately after a defined flood event.	AO9.1 The uses listed in Table 8.2.7.4.1.1 below are not located on land below the defined flood event and they have at least one flood free access road during the flood event.	AO9.1 - Not applicable
PO10 Development avoids the release of hazardous materials into floodwaters.	AO10.1 In high and extreme flood hazard areas, the manufacture or storage of hazardous materials in bulk does not occur.	AO10.1 - Complies
Trafficable access		
PO11 Development has safe access to and from the site during a defined flood event.	AO11.1 Trafficable access to and from the development in local creek catchments is in accordance with Table 8.2.7.4.1.2 below.	AO11.1 - Complies The flood impact assessment shows flood impacts are able to be contained within the proposed stormwater infrastructure without impacting the trafficability of Neville Street.

Performance outcomes	•	ole outcomes		ent Respo	
	Use Max access category depth and		Defined flood event per centum annual exceedance		flood event um annual edance
		-	-	Major road	Minor road
	Rural	0.5 metres 1.2 metres per sec	ond	2	10
	Residential	0.3 metres 1.2 metres per sec	ond	2	10
	Commercial	0.5 metres 1.2 metres per sec	ond	2	10
	Industrial	0.5 metres 1.2 metres per sec	ond	2	10
	Community recreation	0.3 metres 1.2 metres per sec	ond	2	10
	exceedance pro applicant may be impact report for	local creek catchmen bability (AEP) events e required to provide r development within	is only ava sufficient de areas that a	ilable for so etail in the f are not map	me areas. The orm of a flood ped.
	Editor's note — major road - refer to Capricorn Municipal Development Guideline Editor's note — minor road - refer to Capricorn Municipal Development		•		
	Guideline —	millor road - refer to	- apricorriv	iunicipai De	evelopment
PO12	AO12.1		AO12.1 -	Complies	
New lots and development associated with reconfiguring a lot does not create an unacceptable risk of adverse impact to people, property, and infrastructure due to flood inundation	Development do increase in the r flood hazard are		on the we containing environme	stern portions the flood a	lot resulting in

In summary, the development is capable of achieving the overall outcomes of the Flood Hazard Overlay Code, and relevant assessment benchmarks. Conditions can be included on any approval to ensure compliance.

PUBLIC NOTIFICATION

The proposal was the subject to two periods of public notification between 24 April 2025 and 19 May 2025, 21 November 2024 and 12 December 2024, as per the requirements of the *Planning Act 2016*, and 229 submissions were received. Of these submissions, 222 are considered to be properly made in accordance with the *Planning Act 2016*.

The following is a summary of the submissions lodged, with Council officer comments:

Issue			
General			
Amenity impact)	Impact	(aesthetic/place	Submissions identified the loss of community character and amenity due to the clearing of approximately 7 hectares of vegetation. Residents expressed concern that the development would diminish the local identity and reduce the natural landscape that is highly valued by the neighbourhood. Submitters raised the absence of planned recreational areas within the development. The current forested area is seen as a de facto recreational zone for walking, informal gatherings, and nature appreciation. Its removal would

Issue	
	reduce accessible local recreational opportunities.
Open Space Loss	Many submissions noted a lack of green space within the proposed development for social interaction and family recreation. The removal of existing forested land was seen as a loss to community well-being, with residents emphasising the role of green space in fostering social connection and quality of life.
Estate Governance Issues	Submitters are concerned that the proposed development, which lacks body corporate governance, will border a long-established estate managed under a Community Management Statement with strict by-laws and privately funded maintenance. They argue that this will lead to non-contributing residents benefiting from body corporate-funded infrastructure, increased use of privately maintained public spaces, and potential disputes over shared boundaries. The lack of a buffer zone and absence of open space within the new development may further strain existing facilities, potentially leading to the breakdown of the CMS and shifting long-standing maintenance responsibilities to Council, which may not have the capacity to manage them effectively.
Infrastructure	
Lot Size/Subdivision Layout	Several submitters criticised the development for being inconsistent with the expectations of a rural-residential zoned area. The proposal for small residential lots (down to 540m²) is seen as a poor fit within an area characterised by much larger lots and an emphasis on environmental values. Submitters argue that this shift undermines the planning framework, creates a stark contrast with existing properties, and may lead to environmental degradation and community dissatisfaction if zoning objectives are not upheld.
Stormwater	Submitters raise concerns that clearing mature vegetation for the proposed development will reduce natural water absorption, increasing pressure on existing drainage systems and heightening the risk of localised flooding during heavy rainfall. They highlight the role of tree root systems in managing stormwater and argue that poorly designed drainage infrastructure could lead to hazardous and costly outcomes. They advocate for water-sensitive urban design measures, such as permeable surfaces and rain gardens, to mitigate these risks and improve overall water management. The proposed widening of the Neville Street drain was viewed as an unsafe solution, particularly for children.
Traffic	Submissions pointed to the likely increase in traffic as a major concern (note some submissions were prior to the amended development application – in response to submissions – providing the second access to Bluff Crescent). The current lack of pedestrian infrastructure such as footpaths, along with inadequate road widths and parking, was highlighted as a safety and accessibility issue, especially for emergency services and vulnerable users.
Maintenance and Costs	Residents noted that existing drainage infrastructure is already under strain, with reports of water ponding for weeks after storms. Submissions expressed concern that the development would exacerbate this, leading to higher maintenance burdens and potentially costly upgrades. Concerns were raised about increased insurance costs due to the higher risk of flooding and reduced stormwater capacity. Some submitters also suggested that property values in adjacent areas could decline due to the loss of amenity and natural outlooks.
Other infrastructure (retaining walls, sewer etc)	Submitters argue that proposed engineering solutions, such as an impervious retaining wall, will be ineffective due to the permeable sandy soil, making it impossible to control groundwater movement as intended. Submitters are concerned that the removal of mature trees for the proposed development will contribute to increased urban heat, reducing liveability for surrounding residents. They argue this loss of vegetation will exacerbate the impacts of climate change by eliminating natural cooling and shade.

Issue	
	Other concerns were raised flagging that the existing mobile and internet infrastructure is already below average and would not support the increased demand from the proposed development. They argue that without significant upgrades, service quality will decline further, impacting residents' access to reliable communication and digital services.
Hazard	
Flood Impact	Submitters express concern that the proposed development will significantly increase flood risk due to the removal of mature vegetation and inadequate stormwater infrastructure. They argue that the existing sandy landscape and shallow water table already present challenges and further clearing will reduce natural infiltration and water retention. Without proper water-sensitive urban design, such as permeable surfaces and effective drainage systems, heavy rainfall could overwhelm the area, leading to localised flooding, road hazards, and costly remediation, placing additional burden on both residents and Council.
Stormtide/Cyclones	Submitters highlight concerns about the area's vulnerability to storm tide, noting that some insurance providers, such as Youi, already refuse to insure homes in parts of Mulambin due to storm surge risk. While the proposed development may not directly alter storm tide processes, submitters argue that the combined impact of vegetation clearing, increased stormwater runoff, and potential estuarine flooding could raise overall flood risk. This may lead to higher insurance premiums or reduced availability of insurance coverage in the future, as insurers factor in increased hydrological risks.
Environmental	
Vegetation Clearing	Submissions strongly objected to the clearing of native vegetation, especially in an area where vulnerable species such as Black Cockatoos have been observed. The forest is seen as an important ecological asset with significant habitat value and broader environmental functions.
Mosquito Nuisance	Submissions highlighted concerns about increased mosquito and midge populations due to inefficient drainage and standing water. The potential for vector-borne diseases and the general decline in liveability were key health-related themes.
Groundwater Levels	Submitters have raised concerns about the high and shallow water table across the estate, which consists largely of sand. They note that water quickly infiltrates until the soil becomes saturated, after which it collects on the surface as overland flow, particularly in developed areas.
Need	
Need for Development	Submitters suggest that not all development applications need to prioritise rapid housing growth, especially given recent approvals like Mildura Rise Estate. They advocate for a more strategic, balanced approach that considers resource limitations and broader community goals. Emphasising quality over quantity, they propose developments that attract long-term residents and reduce pressure on infrastructure and public services.

INFRASTRUCTURE CHARGES

Infrastructure charges are levied pursuant to the *Adopted Infrastructure Charges Resolution* (No.6) 2024 The details and breakdown of the charges are outlined below:

Charge area:	The subject site is located outside the priority infrastructure area
Calculation:	(ROL outside PIA) The charge is calculated in accordance with Table 4 - Minimum infrastructure charge for Reconfiguring a Lot partly outside or

	entirely outside the Priority Infrastructure Area, as follows: ROL 1. lots 77 at \$31,080.00 per lot. 2. less a credit of \$18,960.00.	
Credit:	The above calculation takes into account a credit of \$18,960 for the existing allotment pursuant to Part 4.0 of Council's Adopted infrastructure Charges Resolution (No.6) LSC 2024. The credit is calculated as follows: 1. one existing lot at \$18,960.00 per lot.	
Offset:	No offsets are applicable to the development.	
Networks Covered:	Apportionment of charges over the following networks Transport Parks & Community Facilities Water Sewerage Stormwater	

A total contribution of \$2,374,200.00 is payable and will be reflected in an Infrastructure Charges Notice for the development including a breakdown of the charge applying to each stage of the development as follows:

Stage one:	\$714,840.00	23 lots
Stage two:	\$777,000.00	25 lots
Stage three:	\$404,040.00	13 lots
Stage four:	\$497,280.00	16 Lots

STATEMENT OF REASONS

The development application for a Development Application D-235-2024 for a Development Permit for a Reconfiguring a Lot for a Reconfiguring a Lot for One (1) into 77 residential lots and One Environment and Drainage Lot (Stages 1-4), made by Red Emperor Pty Ltd, on L 2 RP 617670, and located at 1-41 Neville Street, Mulambin QLD 4703 be approved for the reasons set out in 1. Reasons of The Decision, below.

1. REASONS OF THE DECISION

The development application is approved and the reasons for the decision are based on findings on material questions of fact:

- i) The development is consistent with the Strategic Framework of the Planning Scheme.
- (ii) The development does not comply with Specific Outcome PO11 of the Reconfiguring a Lot Code as the resulting sizes of the residential lots do not meet the minimum dimension requirements in Table 9.3.3.4.2. However, despite the non-compliance, the development is considered consistent with the purpose of the Reconfiguring a Lot Code, noting:
 - The proposed development is orderly and logical infill development, consistent with the surrounding pattern of development;
 - the road network and lot configuration integrates well into its urban context;
 - rural zoned lots that are on the northern side of the development are already fragmented, and are used as 'lifestyle lots', rather than rural production;
 - The land is not otherwise able to be utilised for rural production, and has never been used for this purpose;
 - Urban land use and subdivision is the highest and best use or the land, noting the site's location, availability of infrastructure and need for housing;
 - The development eliminates opportunity for rural/residential land use interface issues;
 - The natural hazard risk applying to the land is able to be satisfactorily mitigated.
- (iii) The development complies with other relevant assessment benchmarks, or can be conditioned to comply with those benchmarks.
- (iv) The development is consistent with the Strategic Framework of the Planning Scheme.
- (v) The development does not compromise the achievement of state interests natural hazards, risk and resilience outlined in the State Planning Policy.
- (vi) The development does not compromise the achievement of regional outcomes outlined in the Central Queensland Regional Plan.
- (vii) On balance, the application should be approved because the relevant planning circumstances favour Council exercising its discretion to approve the application notwithstanding the application's non-compliance with one aspect of one assessment benchmark.

The evidence or other material on which the findings were based are:

- The common material for the development application;
- The assessment benchmarks identified in section 2 of this notice;
- The relevant matters identified in section 4 of this notice; and
- The matters prescribed by regulation identified in section 5 of this notice.

2. ASSESSMENT BENCHMARKS

The following are the benchmarks applying for this development:

Benchmarks applying for the development	Benchmark reference
Strategic Framework – settlement pattern and transportation and movement themes	Livingstone Planning Scheme 2018
Reconfiguring a Lot Code	
Development Works Code	
Acid Sulfate Soils Overlay Code	
Biodiversity Overlay Code	
Bushfire Hazard Overlay Code	
Coastal Hazard Overlay Code	

Flood Hazard Overlay Code Planning Scheme Policy 7.13 – Stormwater management	
Part E: State interest policies and assessment benchmarks (Planning for safety and resilience to hazards)	State Planning Policy, July 2017

3. COMPLIANCE WITH BENCHMARKS

The development complies with the benchmark as per the summary set out in the findings on material questions of fact in section 1 of this notice.

The development meets the overall outcomes for the Reconfiguring a Lot Code, despite not complying with Performance Outcome of O11 of the code:

Benchmark reference	Reasons for the approval despite non-compliance with benchmark
Reconfiguring a Lot Code – Performance Outcome O11	As per the reasons set out in the findings on material questions of fact in section 1 of this notice.

4. RELEVANT MATTERS

The following matters were given regard to, or assessment carried out against, in undertaking the assessment of this development application:

Other relevant matters pursuant to section 45 (5) (b) that the assessment was carried out against	Benchmark reference
 The need for additional urban land/housing supply,	Reconfiguring a Lot
considered in weighing the non-compliance with PO11	Code – Performance
of the Reconfiguring a Lot Code	Outcome O11

5. MATTERS RAISED IN SUBMISSIONS

Across both public notification periods (21 November – 12 December 2024 and 24 April – 19 May 2025), a total of 229 submissions were received, with 222 properly made under the Planning Act 2016. Submissions consistently raised objection to the loss of approximately 7 hectares of vegetation, citing impacts on community character, amenity, and biodiversity. Residents emphasised the land's role as an informal recreational space and its importance to social wellbeing. The development's proposed lot sizes were viewed as incompatible with the area's rural-residential character, and many felt the proposal disregarded established community values and environmental priorities.

Significant concern was also raised about stormwater management, groundwater and flood hazard, and its impact on the local drainage network.

Other key issues included the absence of planned green or recreational spaces, increased traffic—particularly on Neville Street—and the lack of pedestrian infrastructure, raising safety concerns. Submissions also highlighted inadequate stormwater drainage and the risk of increased flooding, erosion, and mosquito-borne disease. Residents feared the development would strain already limited infrastructure, reduce property values, and increase insurance costs. The cumulative effect of replacing permeable land with hard surfaces was seen as a long-term threat to environmental sustainability and liveability.

Matters raised in submission	Description of how matters were dealt with in reaching the decision
General	

Amenity Impact (aesthetic/place impact)	This matter was considered in the assessment of the application.			
	It was assessed:			
	 The development is considered to be generally consistent with and compatible with the character of surrounding urban development; 			
	 The site is not identified as being open space or having any particular aesthetic or scenic value; 			
	 The interface with the adjoining urban development is considered appropriate; 			
	 The expectation that the site would be retained in its present state in perpetuity is unreasonable, particularly in the context of prior approvals relating to the land; 			
	 The considerable portion of the site being retained in its natural state would contribute to sense of place, amenity and aesthetics. 			
	 In the context of this issue, the development complies with the relevant assessment benchmarks. 			
Open space loss	This matter was considered in the assessment of the application.			
	It was assessed:			
	 The land presently is not public open space; 			
	 The land is not available for public use; 			
	 The land is not designated for public open space purposes; 			
	The expectation that the site would be retained in its present state in perpetuity is unreasonable, particularly it the context of prior approvals relating to the land;			
	 The considerable portion of the site being retained in its natural state would contribute to sense of 'open space' to the extent relevant. 			
	In the context of this issue, the development complies with the relevant assessment benchmarks.			
Estate Governance	This matter was considered in the assessment of the application.			
	It was assessed that the development was unlikely to have any impact on the viability or feasibility of the nearby body corporate assets/interests.			
	The development is connecting to infrastructure that is wholly Council owned and maintained.			
Lot/size and subdivision layout	This matter was considered in the assessment of the application.			
	It was assessed:			
	 The proposed lot sizes are consistent with conventional urban lot sizes. For context, the Livingstone Shire Council Temporary Local Planning Instrument anticipates 			

- a minimum lot size of 450m2, and the smallest lot in this proposal is 540m2.
- The proposed subdivision layout is compatible with and interfaces appropriately with the adjoining urban development.
- The subdivision layout is efficient and an effective use of the land resource.
- The development can be appropriate serviced with infrastructure.
- In the context of this issue, the development complies with the relevant assessment benchmarks.

Infrastructure

Stormwater

This matter was considered in the assessment of the application. Specific third-party advice was obtained about stormwater management and hydrology.

It was assessed:

- The proposed stormwater management arrangements proposed for the development are appropriate;
- The development will not exacerbate existing off-site drainage issues;
- The development can be appropriate serviced with drainage infrastructure through the augmentation of existing networks;
- In the context of this issue, the development complies with the relevant assessment benchmarks:
- Appropriate conditions of approval can be included to ensure compliance with benchmarks.

Traffic

This matter was considered in the assessment of the application.

It was assessed:

- The traffic arrangements are for the development are acceptable, and that with minor augmentation the existing road network is suitable for the development traffic;
- There is no unacceptable road safety risk consequential to the development;
- There is adequate capacity in the road network to accommodate the development;
- The internal road network is acceptable;
- In the context of this issue, the development complies with the relevant assessment benchmarks:
- Appropriate conditions of approval can be included to ensure compliance with benchmarks.

It is noted that the traffic arrangements (Bluff Crescent connection particularly) were modified significantly between the two rounds of public notification, in response to Council

	feedback and the public submissions.
Maintenance and Costs	This matter was considered in the assessment of the application.
	It was assessed:
	 The existing infrastructure networks have capacity to accommodate the demand generated by the proposed development, or can be augmented accordingly;
	 Infrastructure is to be delivered in line with Council's standards;
	 The development is efficiently serviced given its in-fill nature and proximity to existing networks;
	In the context of this issue, the development complies with the relevant assessment benchmarks.
Other (retaining walls, sewer etc)	These various matters were considered in the assessment of the application, and it is recommended that conditions of approval be included on the permit to ensure appropriate construction and infrastructure servicing.
Hazard	
Flood Impact	This matter was considered in the assessment of the application. Specific third-party advice was obtained about hydrology, including flooding.
	It was assessed:
	 The proposed stormwater management arrangements proposed for the development are appropriate;
	 The development will achieve an appropriate level of flood/coastal hazard immunity;
	 The development will not increase flood levels on other residential lots;
	 In the context of this issue, the development complies with the relevant assessment benchmarks;
	 Appropriate conditions of approval can be included to ensure compliance with benchmarks.
Stormtide/Cyclones	This matter was considered in the assessment of the application. Specific third-party advice was obtained about hydrology, including coastal hazard aspects.
	It was assessed:
	 The proposed stormwater management arrangements proposed for the development are appropriate;
	 The development will achieve an appropriate level of flood/coastal hazard immunity;
	 The development will not increase flood/coastal levels on other residential lots;
	 In the context of this issue, the development complies with the relevant assessment benchmarks;
	Appropriate conditions of approval can be included to ensure

	compliance with benchmarks.					
Environmental						
Vegetation Clearing	This matter was considered in the assessment of the application. Specific third-party advice was obtained about ecological values and compliance with biodiversity benchmarks.					
	It was assessed:					
	 The development is consistent with relevant benchmarks related to biodiversity values and vegetation clearing, noting: 					
	 Approximately 3ha land is to be retained for environmental and drainage purposes; 					
	 That 3ha of land is to be rehabilitated and transferred to Council; 					
	 An offset will be made for the balance of the potential habitat affected by this proposal; 					
	 Appropriate setbacks Mulambin Creek are achieved; 					
	 The layout of the development supports habitat connectivity and avoids habitat fragmentation. 					
	 The State has assessed the development application and included conditions of approval relevant to this issue; 					
	 Appropriate conditions of approval can be included to ensure compliance with benchmarks. 					
Mosquito Nuisance	This matter was considered in the assessment of the application. Specific third-party advice was obtained about hydrology, relevant to mosquito nuisance.					
	It was assessed that the stormwater drainage works was likely to improve stormwater drainage, resulting in stormwater standing for shorter periods of time, decreasing likelihood of ongoing mosquito nuisance.					
	Appropriate conditions of approval can be included to ensure compliance with benchmarks and proposed drainage outcomes.					
Groundwater Levels	This matter was considered in the assessment of the application. Specific third-party advice was obtained about hydrology, relevant to groundwater levels.					
	This advice recommended inclusion of a conditions dealing with groundwater investigations.					
Need						
Need for Development	This matter was considered in the assessment of the application.					
	It was assessed:					
	 There is considerable need for additional housing supply on the Capricorn Coast; 					
	 This need is recognised in the recently adopted 					

- Temporary Local Planning Instrument dealing with housing supply and affordability;
- Mulambin Beach, and the subject site specifically, is well placed to contribute to this supply;
- The site is well located to be efficiently developed, noting its road connectivity and proximity to infrastructure networks;
- The development is a orderly and logical expansion of the adjoining urban development;
- In the context of this issue, the development complies with the relevant assessment benchmarks.

6. MATTERS PRESCRIBED BY REGULATION

The following matters were given regard to in undertaking the assessment of this development application:

- (i) The State Planning Policy Part E;
- (ii) The Central Queensland Regional Plan;
- (iii) The Strategic Framework settlement pattern and transportation and movement themes in *Livingstone Planning Scheme 2018*;
- (iv) The Reconfiguring a Lot Code in Livingstone Planning Scheme 2018;
- (v) The Development Works Code in Livingstone Planning Scheme 2018;
- (vi) The Acid Sulfate Soils Overlay Code, The Biodiversity Overlay Code, The Bushfire Hazard Overlay Code, The Coastal Hazard Overlay Code, The Flood Hazard Overlay Code and Planning Scheme Policy 7.13 Stormwater management, in *Livingstone Planning Scheme 2018*;
- (vii) The land, the subject of the application is vacant and no development approvals or lawful uses exists for the premises; and
- (viii) The common material, being the material submitted with the application.

PREVIOUS DECISIONS

It is noted that Council has previously approved a development application for Reconfiguring a Lot within the vicinity of the subject site which also failed to meet the minimum lot size stipulated in the Livingstone Shire Planning Scheme 2005. The decision is as follows;

 Development Permit D-26-2015 for Reconfiguring a Lot (three lots into forty-seven lots and a Material change of use for forty-seven dwelling houses (one dwelling on each lot)

The subject site has also been approved for reconfiguring a lot (one lot into 62 lots) as outlined in the Background section of this report.

It should be noted that each decision is made on its merits at the time of assessment and with the best planning information available. There are instances whereby sufficient grounds to support the proposal must be established, subject to reasonable and relevant conditions.

BUDGET IMPLICATIONS

Management of this application has been within the existing budget allocations.

LEGISLATIVE CONTEXT

The application is being assessed pursuant to the *Planning Act 2016* and all subordinate legislation and policies.

LEGAL IMPLICATIONS

The legal implications of deciding this development application favorably or unfavorably is the risk of appeal from either a submitter (should Council approve the development application) or from the developer (should Council refuse the development application). These potential legal implications also bring unknown budget implications.

STAFFING IMPLICATIONS

The assessment has been undertaken with the assistance of legal counsel and external consultants.

RISK ASSESSMENT

The risks associated with this assessment have been appropriately addressed in the body of this report. Specifically, the risk of appeal to any decision made by Council and any financial/budget implications such action may have. It should be noted that these risks are difficult to quantify at the assessment stage.

ACCESS AND INCLUSION

There are no access and inclusion matters to be considered.

ENGAGEMENT AND CONSULTATION

The matter was subject to 2 rounds of public notification.

HUMAN RIGHTS IMPLICATIONS

There are no human rights implications to be considered.

CORPORATE PLAN REFERENCE

Strategy GO4 of the Corporate Plan is relevant to the assessment of this application and states: 'Provide transparent and accountable decision making reflecting positive leadership to the community.'

CONCLUSION

On balance Officers have recommended approval giving due consideration to the matters raised in submissions and prior approval over the site. Reasonable and relevant conditions have been provided.

13.6 - DEVELOPMENT PERMIT FOR A RECONFIGURING A LOT FOR ONE (1) INTO 77 RESIDENTIAL LOTS AND ONE ENVIRONMENT AND DRAINAGE LOT (STAGES 1-4), ON LOT 2 ON RP617670, AND LOCATED AT 1-41 NEVILLE STREET, MULAMBIN QLD 4703

Location and Aerial View

Meeting Date: 19 August 2025

Attachment No: 1

Item 13.6 - Attachment 1 Location and Aerial View





13.6 - DEVELOPMENT PERMIT FOR A
RECONFIGURING A LOT FOR ONE (1) INTO
77 RESIDENTIAL LOTS AND ONE
ENVIRONMENT AND DRAINAGE LOT
(STAGES 1-4), ON LOT 2 ON RP617670, AND
LOCATED AT 1-41 NEVILLE STREET,
MULAMBIN QLD 4703

Overlay Maps 1-41 Neville Street

Meeting Date: 19 August 2025

Attachment No: 2

Acid Sulfate Soils Classification



Biodiversity Overlay - Habitat and Vegetation / Biodiversity Corridors



Bushfire Hazard Overlay



Coastal Hazard Erosion Prone Area Overlay



Flood Hazard Area Overlay



13.6 - DEVELOPMENT PERMIT FOR A RECONFIGURING A LOT FOR A RECONFIGURING A LOT FOR ONE (1) INTO 77 RESIDENTIAL LOTS AND ONE ENVIRONMENT AND DRAINAGE LOT (STAGES 1-4), ON LOT 2 ON RP617670, AND LOCATED AT 1-41 NEVILLE STREET, MULAMBIN QLD 4703

ROL Plans

Meeting Date: 19 August 2025

Attachment No: 3

APPLICATION FOR RECONFIGURATION OF A LOT (1 INTO 77) AT 1-41 NEVILLE STREET, MULAMBIN, QLD 4703 LOT 2 ON RP617670 FOR RED EMPEROR PTY LTD JOB No. 2415





SCHEDULE OF DRAWINGS

DWG	DESCRIPTION	
2415 - P01	LOCALITY PLAN AND SCHEDULE OF DRAWINGS	
2415 - P02	OVERALL LAYOUT AND KEY PLAN	
2415 - P03	PLAN OF DEVELOPMENT SHEET 1	
2415 - P04	PLAN OF DEVELOPMENT SHEET 2	
2415-P05	PLAN OF DEVELOPMENT (AERIAL IMAGE) SHEET 1	
2415 - P06	PLAN OF DEVELOPMENT (AERIAL IMAGE) SHEET 2	
2415 - P07	ROAD HIERARCHY PLAN SHEET 1	
2416 - P08	PROPOSED TYPICAL ROAD GROSS SECTIONS	
2415 - F09	ROADWORKS AND STORMWATER DRAINAGE PLAN SHEET I	
2415 - P10 ROADWORKS AND STORMWATER DRAININGE PLAN SHEE		
2415-P11	TYPICAL SITE CROSS SECTIONS SHEET 1	
2415 - P12	TYPICAL SITE CROSS SECTIONS SHEET 2	

PROPERTY DESCRIPTION

LOT 2 ON RP617670 1-41 NEVILLE STREET, MULAMBIN, QLD 4703 SITE AREA = 10.03 Ha DEVELOPMENT AREA = 6.92 Ha

THESE PLANS HAVE SEEN PREPARED FOR A MATERIAL CHANGE OF USE APPLICATION CHEY AND ARE NOT SHITTARE FOR SUBMISSION WITH MY OTHER COUNCIL APPLICATION.

CIVIL DEBICA BASED ON.
FIELD SURVICY BY CAPAICORN SURVEY GROUP CO
OWG IN SURVICY
DATED 720442024

NOTE:
THESE DESIGN DRAWINGS HAVE SEEN PILETARED FROM THIRD PARTY INFORMATION RECEIVED FROM THE FOLLOWING CONDUCTANTS ALL SET OUT, LEVELS AND LOCATIONS MUST HE CROSS CHECKES BY A LICENSED SURVEYOR REFORE COMMENCING CONSTRUCTION TO PRESENT COMPLIANCE WITH CORRESP MAPPING CROSS, HEIGHT (NITIALS AND BUILDING SET TRACES.

SURVEYOR: CAPRICORN SURVEY GROWF CO. 191 OF 607 5199
ENVIRONMENTAL ASSESSMENT. BURROHLES ENGINEERING SOLUTIONS. 191; 07 5509 6400.

REV	DATE	DESCRIPTION	BY	СНКО	DET	AILS	SCALE	APPROVED
A	25.06.24	FOR APPROVAL FOR APPROVAL	EC EC	CS CS	DATUM	AHD		9 11 11
G	19.09.24	GOUNCE (SARA RELESPONSE	TW		DESIGN	os	1.2500 S0 0 50 100 A1	Tromp Shelley
D E	28.10.24 09.84.25	RFI RESPONSE FURTHER ADVICE RESPONSE (10/03/25)	EC KG	GS GS	DRAWN	EC	1,5000 A3	Director: TONY SMELLEY
					DESIGN CHECK	TB		(RPEQ 7736)
					DATE	25-06-24	Ti is drawing is not to be copied as amended without wriden permission, buts fearlise Sinealey Elemedateg (Explaners	FOR APPROVAL

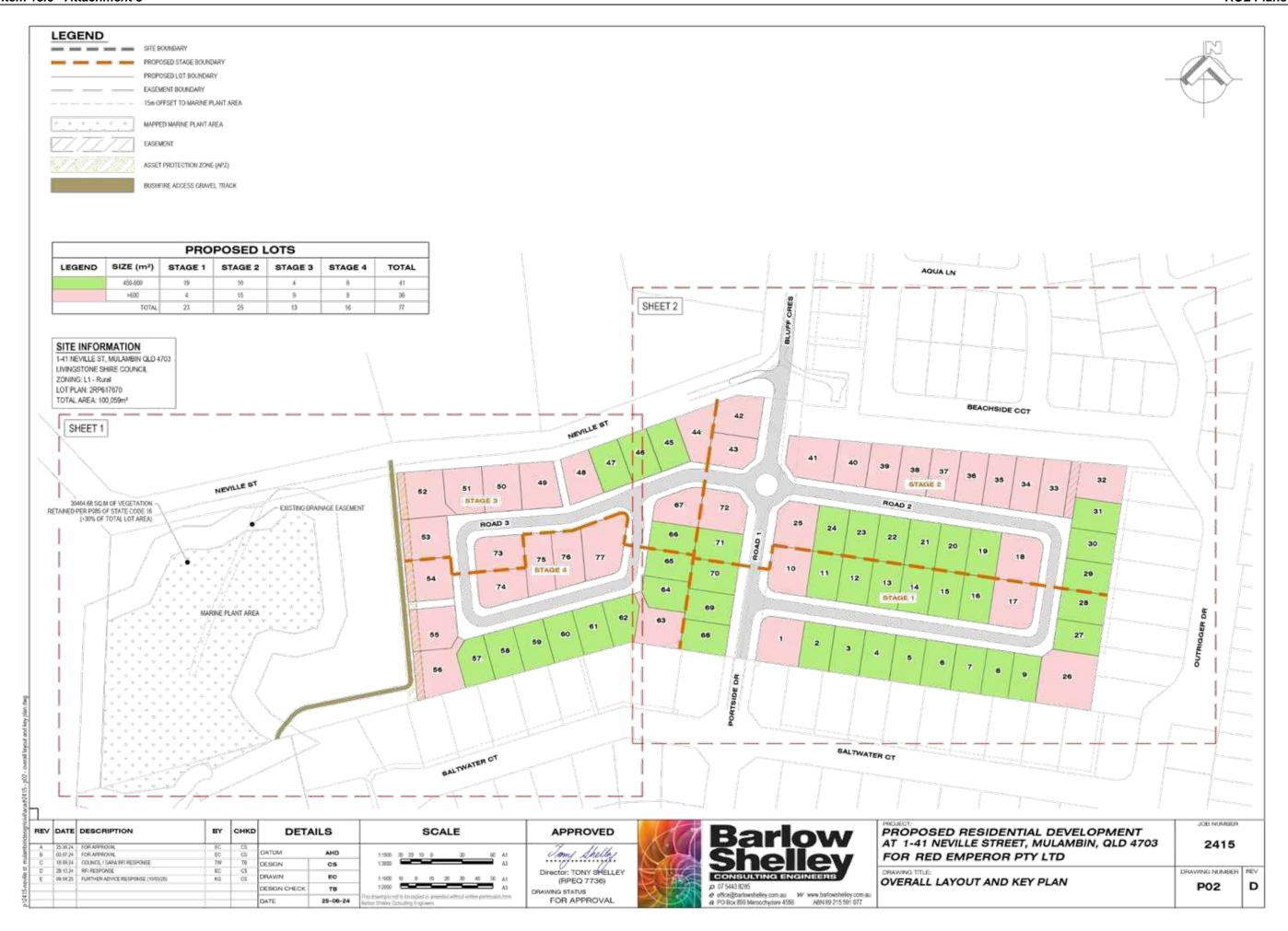


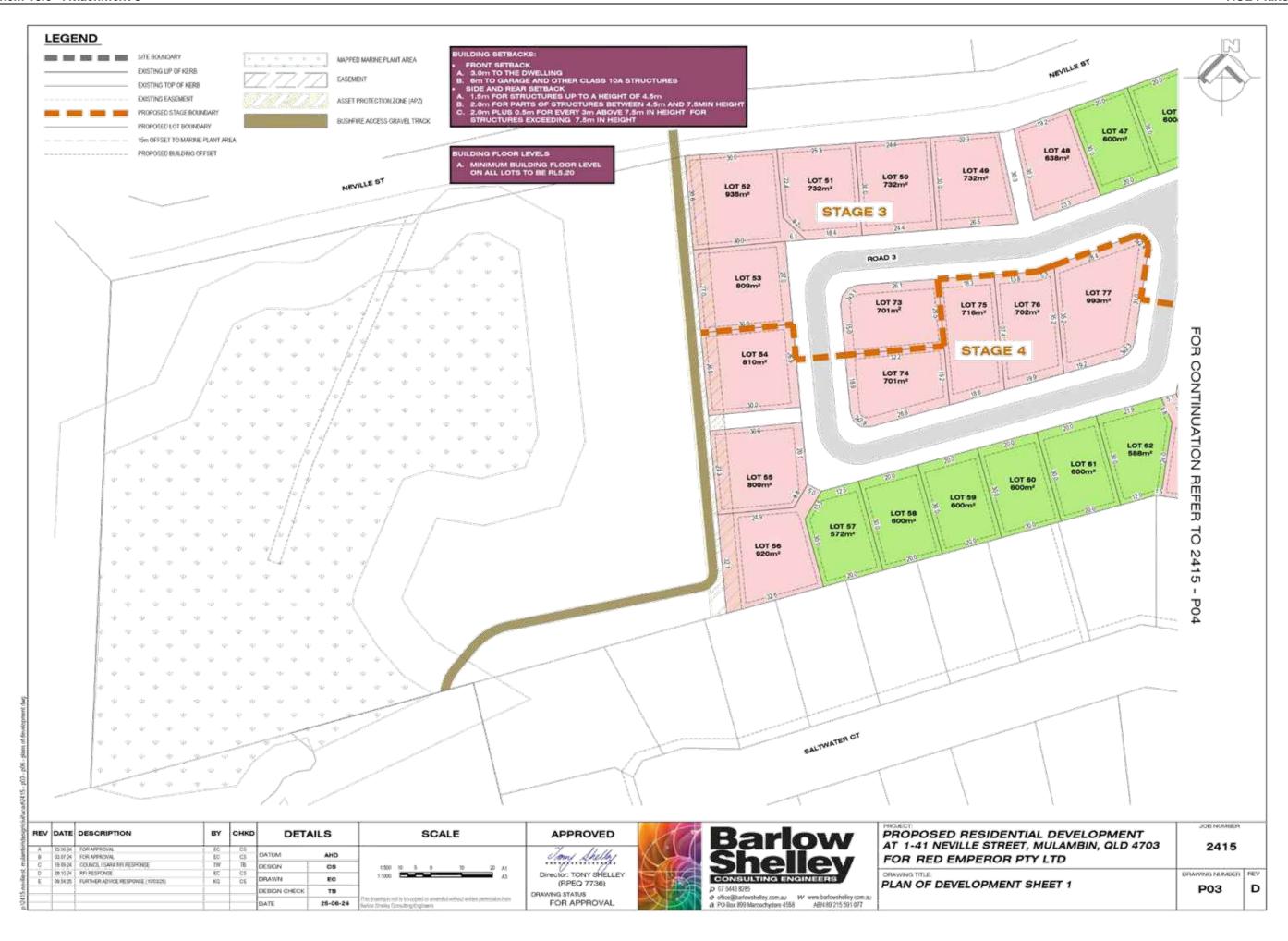
PROPOSED RESIDENTIAL DEVELOPMENT
AT 1-41 NEVILLE STREET, MULAMBIN, QLD 4703
FOR RED EMPEROR PTY LTD

LOCALITY PLAN AND SCHEDULE OF DRAWINGS

2415

PO1 E

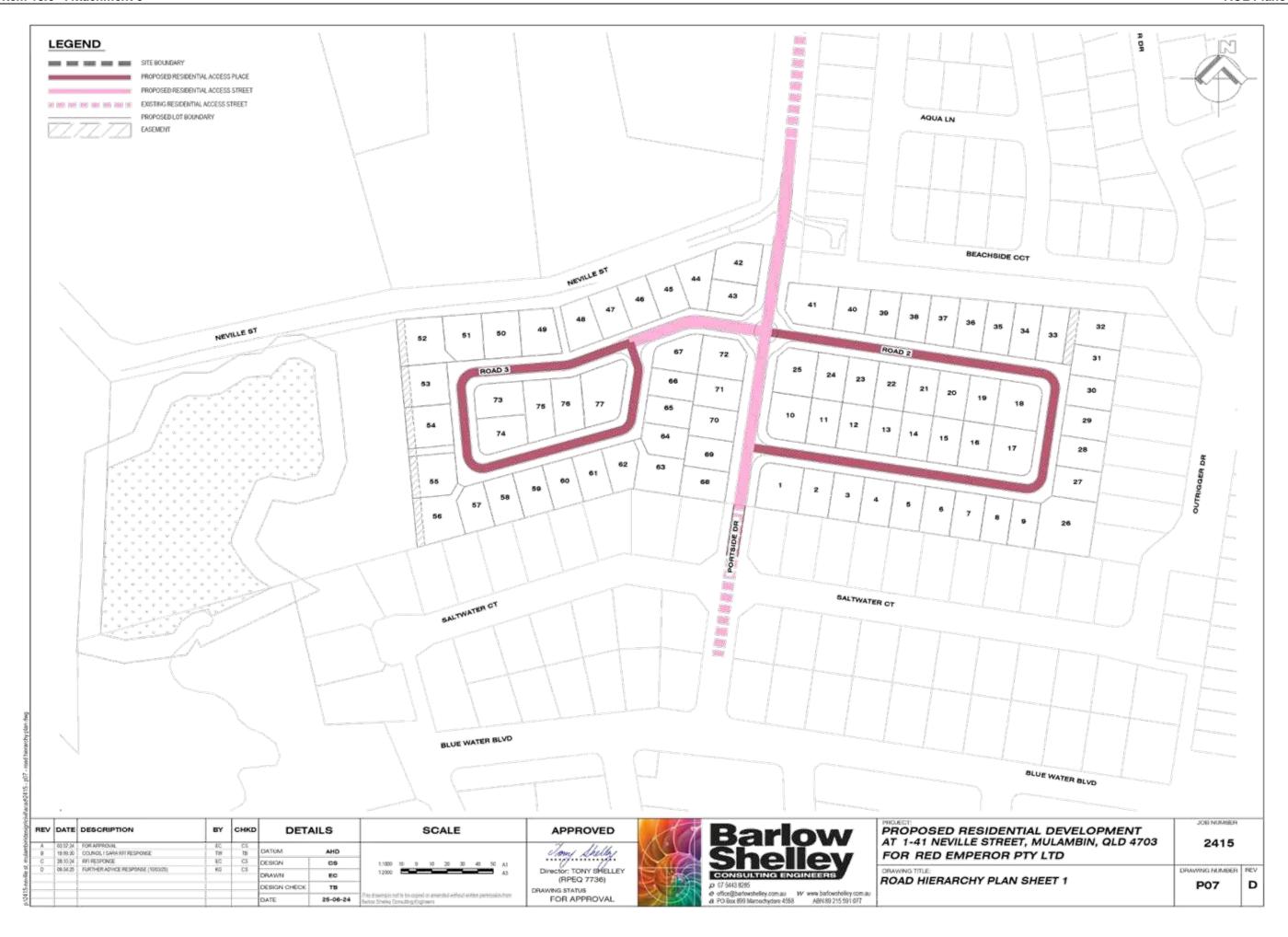


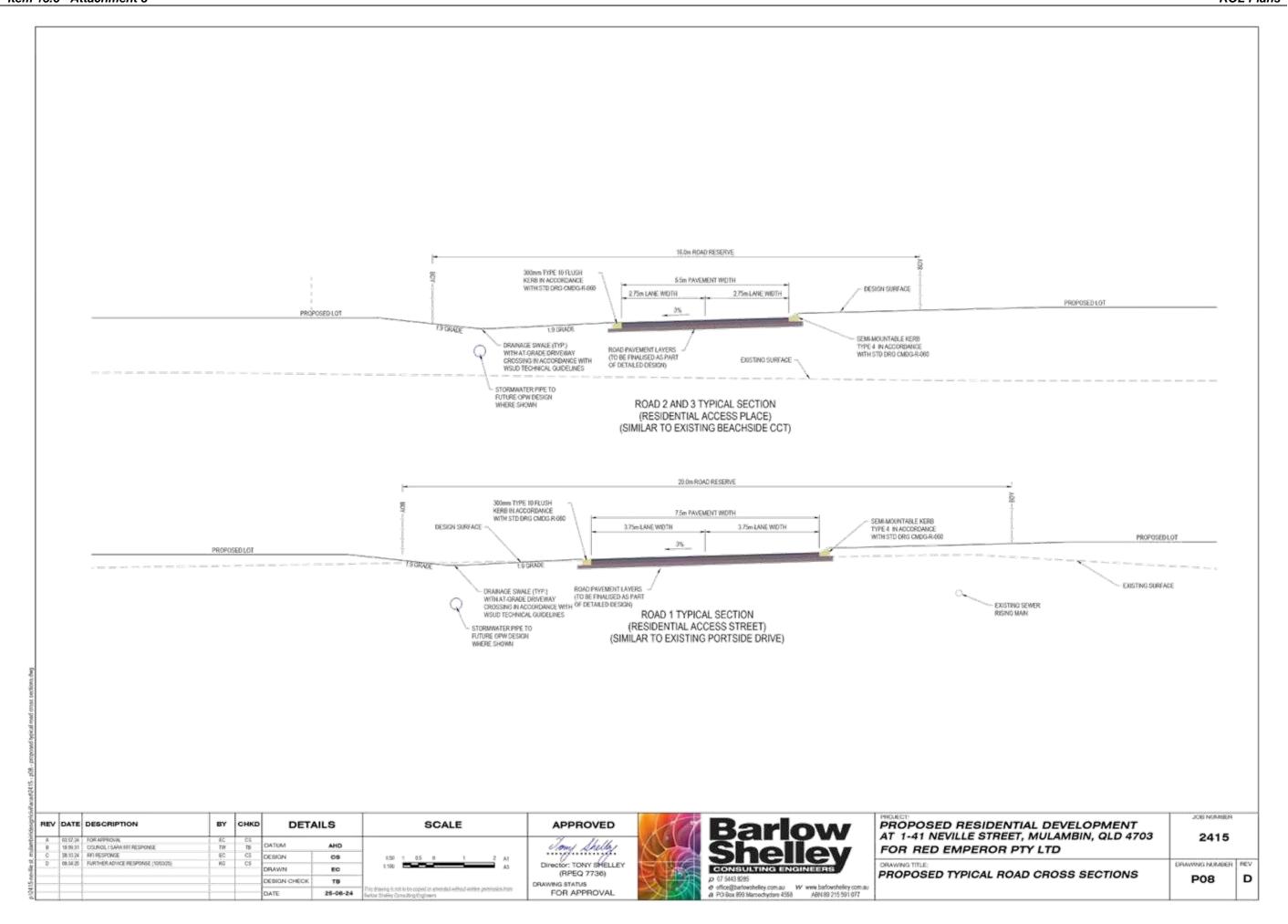


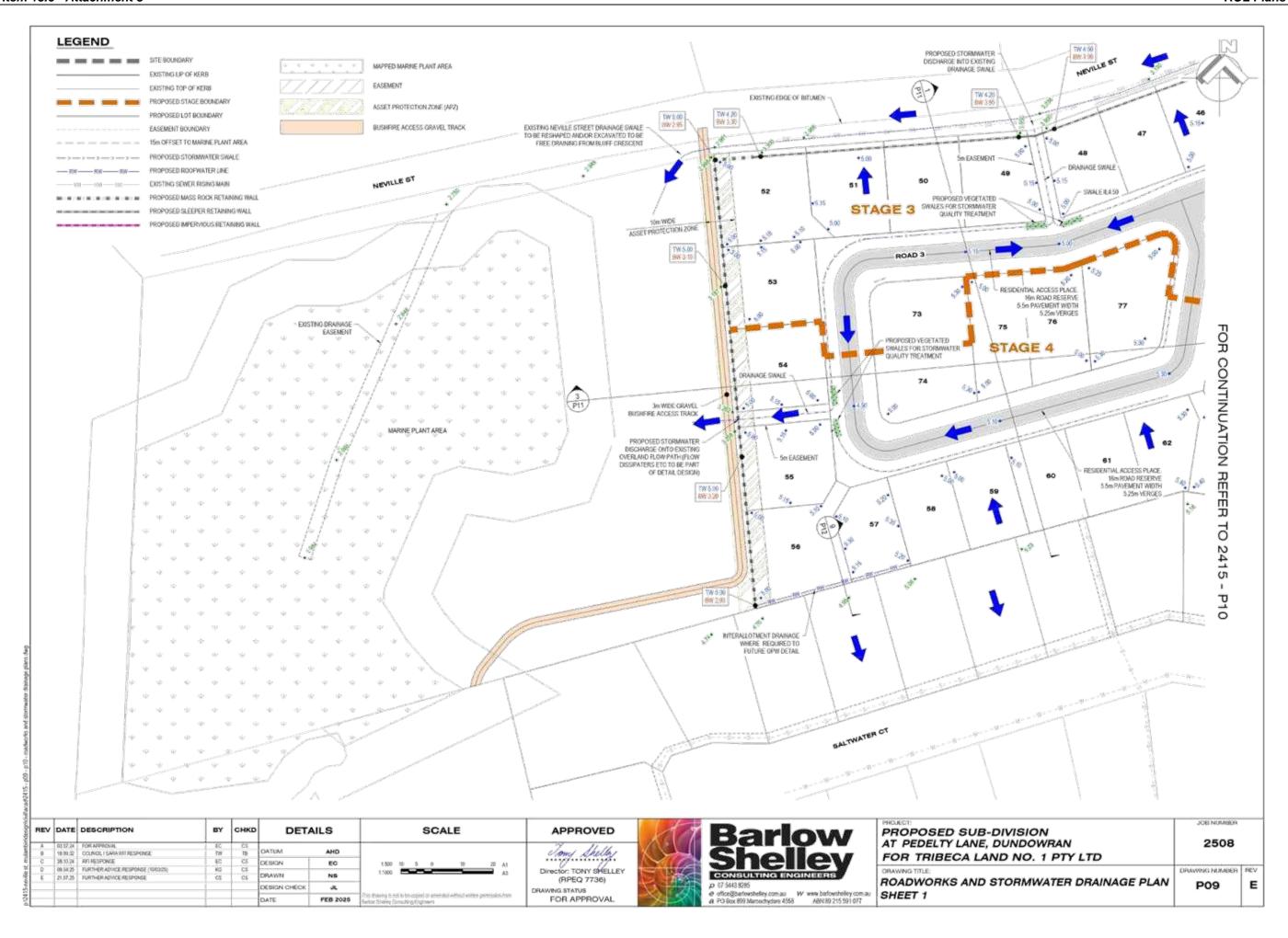


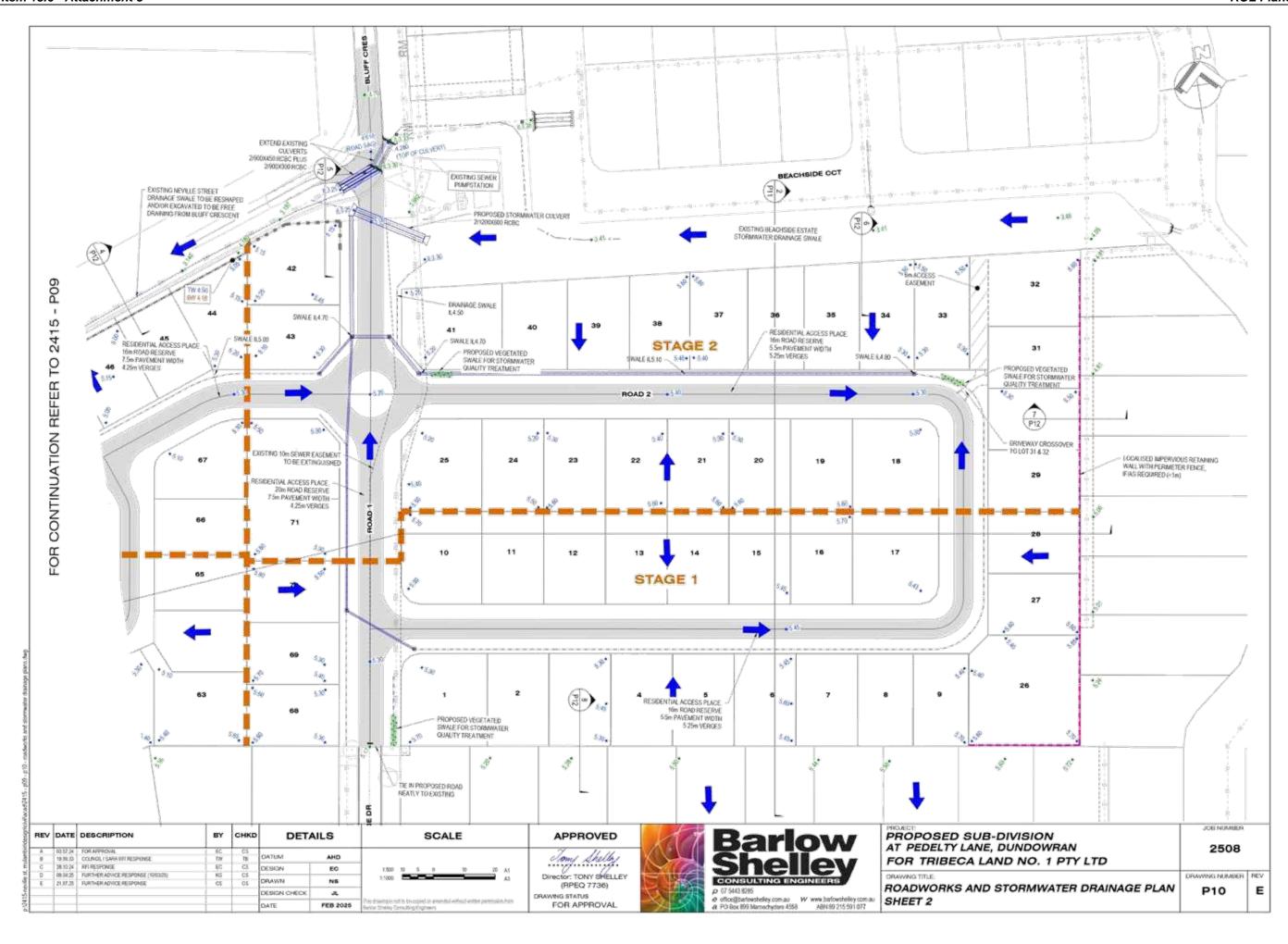


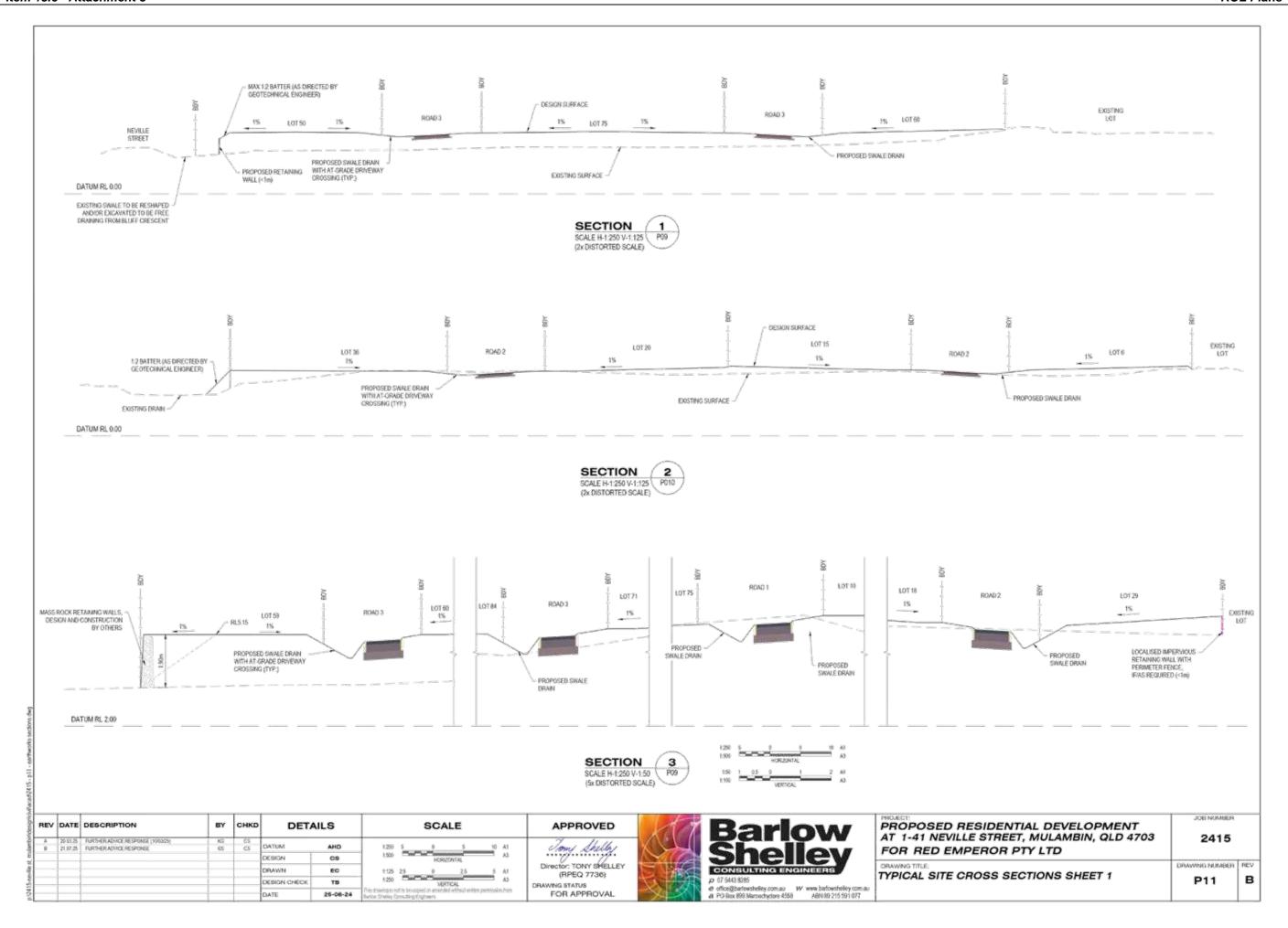


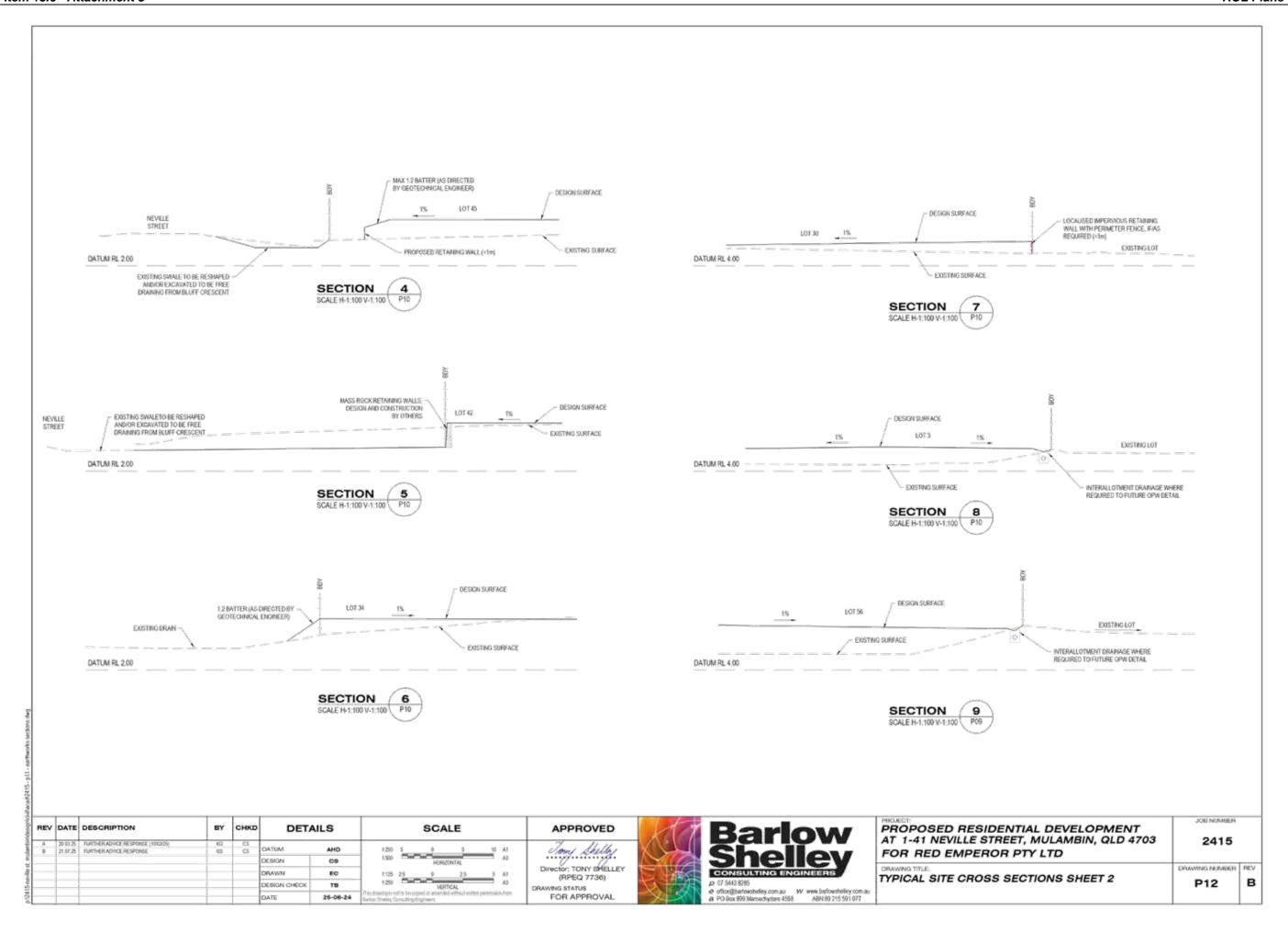












13.6 - DEVELOPMENT PERMIT FOR A RECONFIGURING A LOT FOR A RECONFIGURING A LOT FOR ONE (1) INTO 77 RESIDENTIAL LOTS AND ONE ENVIRONMENT AND DRAINAGE LOT (STAGES 1-4), ON LOT 2 ON RP617670, AND LOCATED AT 1-41 NEVILLE STREET, MULAMBIN QLD 4703

Sewer Network Analysis

Meeting Date: 19 August 2025

Attachment No: 4



SEWER NETWORK ANALYSIS REPORT FOR 1-41 NEVILLE STREET, MULAMBIN

Property Owner: J R Gregory

Consulting Company: (if applicable)

Site Address: 1-41 Neville Street, Mulambin QLD 4703

Property Description: (lot and plan) L 2 RP 617670



Report Issued by Engineering Services on 25/11/24

Prepared by: Chris Wright

Endorsed by:

Sean Fallis RPEQ

Manager Engineering Services

Signature



Executive Summary

Red Emperor Pty Ltd has submitted a Reconfiguration of a Lot (ROL) application, D-235-2024, for the development of 85 residential parcels at Lot 2 RP 617670, Neville Street, Mulambin. An information request required a Sewerage Network Analysis to assess the capacity of the existing reticulated sewer system to accommodate the proposed development in alignment with Council's Desired Standards of Service (DSS). Council commissioned this analysis, which forms the basis of this report.

The proposed development is outside the Capricorn Coast Sewerage Service area but will connect to two 150mm diameter sewer mains via, Saltwater Circuit (59 ET) and Outrigger Drive (26 ET).

The downstream sewer network capacity was modelled using EPASWMM (Version 5) under a worst-case Wet Weather Flow (WWF) scenario. Pre- and post-development pipe capacity analysis confirmed that the proposed connections could accommodate the additional loadings, however the pumping capacity of Bluff Crescent SPS could not.

Nautilus Avenue SPS and downstream pump stations have sufficient capacity with the assumption that trunk works upstream of Wattle Grove SPS are completed.

To ensure the proposed development can be serviced and meet Council's DSS, the following is recommended:

- 1. Approve the use of the two existing 150mm diameter sewer main connections near Saltwater Circuit and Outrigger Drive.
- Upgrade the pumping capacity at Bluff Crescent SPS to achieve a dualpumping duty point of at least 20 L/s at 45m head to mitigate capacity limitations under WWF conditions.

This report concludes that with the proposed upgrade to Bluff Crescent SPS, the development can be supported by the existing sewer network infrastructure.

Disclaimer:

Copyright protects this publication. Reproduction by whatever means is prohibited without prior written permission of the Chief Executive Officer of Livingstone Shire Council. Livingstone Shire Council will not be held liable under any circumstances in connection with or arising out of the use of this data nor does it warrant that the data is error free. Any queries should be directed to the Customer Service Centre, Livingstone Shire Council or telephone 1300 790 919

Page 2 of 19

Contents

L.	. INTRODUCTION	4
2.	. TOWN PLANNING	4
	2.1. TOWN RESOURCES	
3.	. METHODOLOGY	4
	3.1. UNIT DEMANDS	4
1.	. ANALYSIS	
5.	. RESULTS	8
ŝ.	. CONCLUSION & RECOMMENDATION	12
	APPENDIX A: PROPOSED DEVELOPMENT LAYOUT	13
	APPENDIX B: PFTI LOCALITY MAP	14
	APPENDIX C: LOCALITY ZONING MAP	15
	APPENDIX D: PRIORITY INFRASTRUCTURE AREA MAP	16
	APPENDIX E: EXISTING INFRASTRUCTURE	17
	ADDENDIY E- DELIMINADY SERVICE DI ANI	18

Page 4 of 19

1. Introduction

The applicant, Red Emperor Pty Ltd, have submitted a Reconfiguration of a Lot (ROL) D-235-2024 for 85 residential parcels at Lot 2 RP 617670 Neville Street, Mulambin.

The information request of the ROL application, D-235-2024, requested the applicant to provide a Sewerage Network Analysis report. Council has been commissioned to carry out a sewer network analysis to determine if the existing reticulated sewer network has the capacity to cater for the proposed development as per Council's Desired Standard of Service. This report presents outcomes of the analysis.

2. Town Planning

2.1. Town Resources

The Livingstone Shire Planning Scheme 2018 (version 3) is currently in force until the release of the new planning scheme occurs. The town Planning Zoning for the development is rural zoned and the site is not within the Priority Infrastructure Area (PIA).

Council is currently completing trunk sewer works downstream of the development catchment at Wattle Grove SPS (SEW-71). The works are a duplication of a trunk sewer main, 450mm diameter. This infrastructure will be assumed constructed for the purpose of this analysis due to known capacity limitations.

3. Methodology

3.1. Unit Demands

This report summarise the processes and steps carried out to complete the network analysis, namely:

- Network Modelling.
- Council's Population Planning Assumptions Model; and
- Manual Calculations.

The unit demands for the proposed development have been assumed to achieve Council's Desirable Standards of Service (DSS) as published in the Capricorn Municipal Development Guidelines (CMDG) and Livingstone Shire's Local Government Infrastructure Plan. Various assumed loading utilised for the analysis are shown below in Table 1.

Table 1: Sewerage Network Design Criteria

Design criteria	Measure	Design criteria
One (1) equivalent person (EP)	200 liters per equivalent person per day (L/EP/day)	One (1) equivalent person (EP)
One (1) equivalent tenement (ET)	2.7 equivalent person (EP)	One (1) equivalent tenement (ET)
Average Dry Weather Flow (ADWF)	540 liters per equivalent tenement per day (L/ET/day)	Average Dry Weather Flow (ADWF)
Peak Dry Weather Flow (PDWF)	2.5 x Average Dry Weather Flow (ADWF)	Peak Dry Weather Flow (PDWF)
Wet Weather Flow (WWF)	Five (5) x Average Dry Weather Flow (ADWF)	Wet Weather Flow (WWF
Sewage pump station emergency storage	Four (4) hours minimum	Sewage pump station emergency storage
Total sewage pump station capacity	Wet Weather Flow or Five (5) x Average Dry Weather Flow (ADWF) minimum	Total sewage pump station capacity
Gravity Main Flow Capacity	75% of full depth at Wet Weather Flow (WWF) capacity.	Gravity Main Flow Capacity
Gravity Main Minimum velocity at Peak Dry Weather Flow (PDWF)	0.7 m/sec at Peak Dry Weather Flow (PDWF) capacity.	Gravity Main Minimum velocity at Peak Dry Weather Flow (PDWF)
Gravity Main Maximum velocity at wet weather flow (WWF)	2 m/sec at Wet Weather Flow (WWF) capacity.	Gravity Main Maximum velocity at wet weather flow (WWF)
Rising main minimum scouring velocity	0.7 m/sec at Peak Dry Weather Flow (PDWF) capacity.	Rising main minimum scouring velocity

These demands have been apportioned throughout the assumed reticulation network layout and have been applied to the model using 5 x ADWF Residential demand pattern below (Figure 1).

Council has developed an internal planning assumption model (PAM) whereby each lot is evaluated by its land use and assigned population prediction. The model utilises existing data to extrapolate population for future timing horizons. This analysis will only use the current planning horizon to evaluate any population requirements.

Page 5 of 19

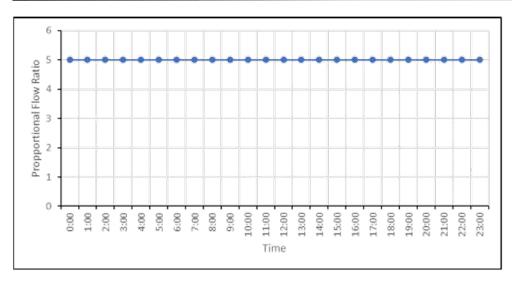


Figure 1: Simulated Wet Weather Flow Pattern

4. Analysis

Attachment 4

The Sewerage Network Analysis has used EPASWMM Version 5. The analysis is based on a worst-case scenario of Wet Weather Flow (WWF). For residential loading equates to 0.03125 L/s/ET. The network modelled is the system at the known future ultimate layout.

This analysis will investigate the capacity of the sewerage reticulation network to accommodate the proposed 85 lot residential subdivision located at Lot 2 RP 617670, Neville Street, Mulambin as detailed in the proposed plan (Appendix A)

The subject site is located outside the current Capricorn Coast Sewerage Service area. The proposed development will connect to the gravity sewer mains at two locations. A connection on to the access chamber (Asset ID: 1059646) will be service via a 150mm diameter sewer along Outrigger Drive. This connection is proposed to support approximately 26 ET and flows directly to Bluff Crescent sewage pump station. The second connection is proposed via an access chamber (Asst ID: 1058556) to a 150mm diameter sewer main from Saltwater Circuit, this connection flows directly to Nautilus Avenue, this connection is proposed to service approximately 59 ET. Given the small scale of development, the analysis will impose these two loadings directly to the two connection locations mentioned above and shown in Figure 2.

Page 374

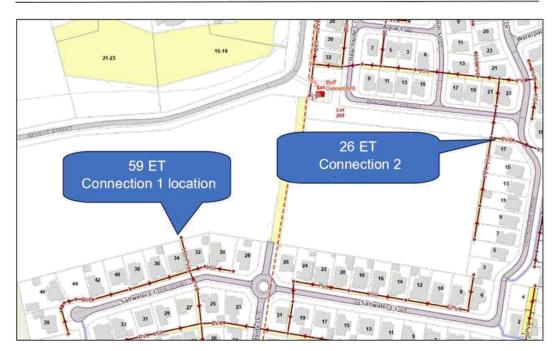


Figure 2: Proposed connection locations.

Mulambin sewage is ultimately serviced by multiple sewage pump stations along the coastal corridor which is terminates at the Yeppoon sewage treatment plant. After Bluff crescent SPS, there is an additional four sewage pump station. The analysis will review the population model and add the additional loadings to review it if triggers downstream upgrades for pumping capacities.

- · Refer Appendix E Existing Infrastructure
- Refer Appendix F Preliminary Service Plan

Page **7** of **19**

5. Results

These results are theoretical and based on the use of the EPASWMM (version 5), which has been developed by Council based on the best information available. Errors in the model may occur due to a range of factors. The results should not be taken to represent measured values in the pipe network, as the condition at the time of measuring may be different to those modelled. In addition, the infrastructure layout shown in the model may not exactly align with the development lot layout, however this will have no significant effect on the results obtained.

The ADWF diurnal hourly pattern ratios are as per Table D12.06.2 within the Sewerage Design Guidelines of the Capricorn Municipal Development Guidelines. The Peak Dry Weather Flow (PDWF) shall be 2.5 times the ADWF and the WWF shall be 5 times that ADWF. The flow pattern for the WWF is a constant flow for 24 hrs. The network is modelled for the WWF to ensure that the system can appropriately accommodate the worst-case scenario. It is noted that is some instances portions of pipe network may have a capacity of 100%, however storage within the access chambers ensure that no overflow from the system is evident.

The table below identifies the capacity of a number of pipes and their approximate location for worst case scenario WWF.

Table 2:	Pipe ca	apacities .	results	pre-devel	opment.

Pipe Location	Connection Number	Approximate Capacity %	Overflow at local access chamber
150mm to Nautilus Ave SPS	1	36	N
150mm to Bluff Crescent SPS	2	35	N

Table 3: Pipe capacity results post-development.

Pipe Location	Connection Number	Approximate Capacity %	Overflow at local access chamber	
150mm to Nautilus Ave SPS	1	48	N	
150mm to Bluff Crescent SPS	2	100	N	

Reviewing the proposed the capacity downstream on the development sewage pump station catchments by comparing the pump capacity to the expected loadings. It can be assumed there is existing capacity in the network with the assumption that the trunk works at immediately upstream of Wattle Grove SPS have been completed.

Page 8 of 19

However, the model indicates the pump capacity at Bluff Crescent SPS is not sufficient post development.

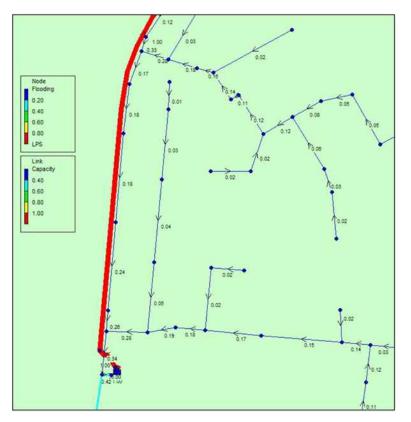


Figure 3: Predevelopment at Bluff Crescent SPS (WWF).

Page 9 of 19

Page 10 of 19

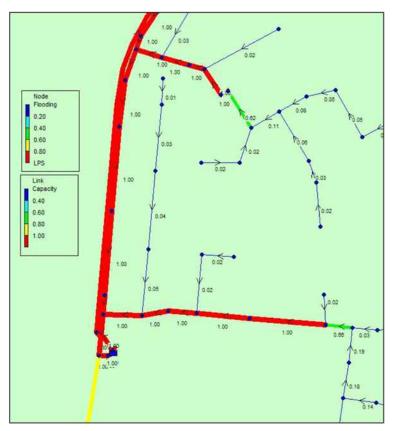


Figure 4: Surcharging at Bluff Crescent SPS post development (WWF).

A desktop exercise of Council's planning assumptions model also indicates that the existing pumps do not have sufficient capacity.

Table 4: Planning review of catchment flows pre-development.

Sewage Pump Stations	Individual Catchment WFF (L/s)	Cumulative Catchments WWF (L/s)	
Nautilus Avenue	5.4	7.8	
Bluff Crescent	8.6	16.4	
Rosslyn Street	9.3	27.8	
Old Scenic Highway	22.3	61.9	
Wattle Grove	41.8	113.3	

Table 5: Planning review of catchment flows post-development.

Sewage Pump Stations	Individual Catchment WFF (L/s)	Cumulative Catchments WWF (L/s)	
Nautilus Avenue	8.1	10.5	
Bluff Crescent	11.3	19.1	
Rosslyn Street	12.0	30.5	
Old Scenic Highway	25.0	64.6	
Wattle Grove	44.5	116.0	

A system curve was established to further review the results by the model and the planning assumptions the system curve for Bluff Crescent SPS. The graph reveals that dual pumping does not provide ample additional pumping capacity for WWF flows. The length and diameter of the rising main results in a steep system curve as seen in Figure 5.

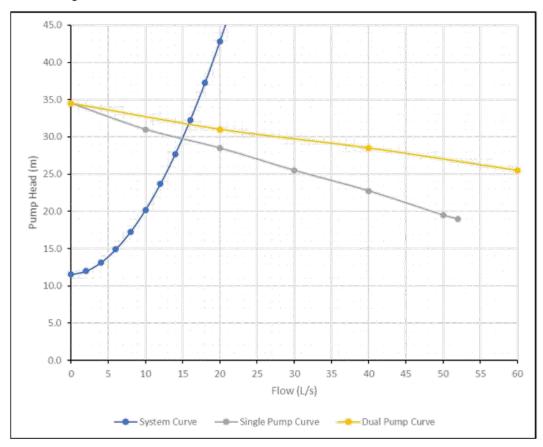


Figure 5: System Curve for Bluff Crescent SPS.

Page 11 of 19

Page 12 of 19

6. Conclusion & Recommendation

The results indicate at post development, the current pumping capacity at Bluff Crescent is not sufficient to facilitate the additional proposed loadings of 85 ET. Pumping capacity at Nautilus and downstream of the development does have capacity with the assumptions that trunk works at immediately upstream of Wattle

Grove have been completed.

The pipe capacity for each of the two connections location are sufficient. Surcharging was a result of the inability to remove sewage from Bluff Crescent SPS at an adequate rate. Given the narrow diameter of the rising main (150mm) from Bluff Crescent SPS and the very long length (approximately 3250m) the friction resistance grows considerably to an increase in flow. The duty point for the dual pumping at Bluff Crescent SPS is less than what is predicted flow from the PAM and was evident in the EPASWMM model.

Currently the CMDG requires duty/assist pumping for WFF and PDWF for duty pump. However, sizing for this location should focus having the dual pumping duty point above the required inflows for Bluff Crescent SPS, as sizing per the CMDG may lead another case of insufficient pumping capacity at WWF given the gradient of the system curve.

Council assessed in upsizing part of the existing rising main to reduce the total system resistance, however it was determined that upsizing the pump capacity at Bluff Crescent would be more cost effective.

The proposed development (D-235-204) at Neville Drive for 85 residential lots can be serviced via:

(a) The two existing 150mm diameter sewer main connections near Saltwater Circuit and Outrigger Drive.

The report recommends to gain development approval from Council the proposed development must:

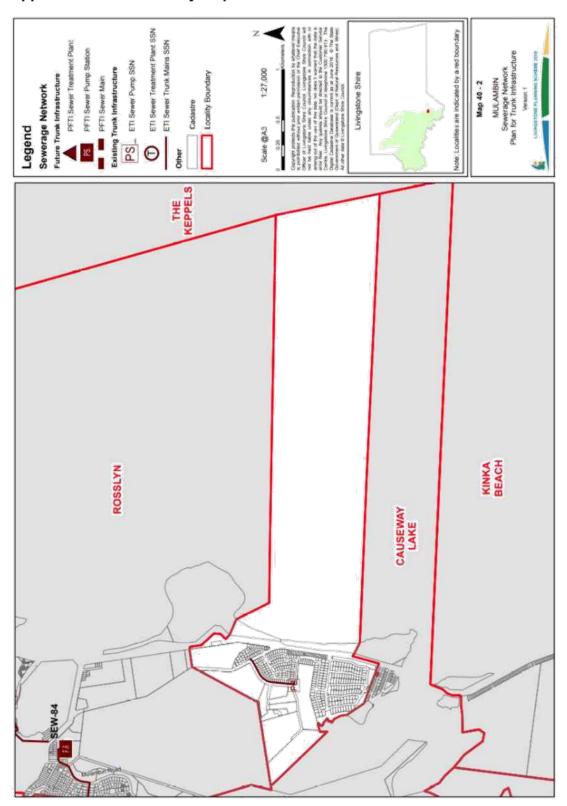
(b) Upgrade the pumping capacity at Bluff Crescent SPS whereby dual pumping can meet a duty point of 20L/s or greater at 45m head.

2418 P02 PROPOSED RESIDENTIAL DEVELOPMENT AT 1-41 NEVILLE STREET, MULAMBIN, QLD 4703 FOR RED EMPEROR PTY LTD DETAIL 1 - PROPOSED BOUNDARY REALIGNMENT (BALANCE AREA SWAP) OVERALL LAYOUT AND KEY PLAN 1 DETAILS SULE pre?

Appendix A: Proposed Development Layout

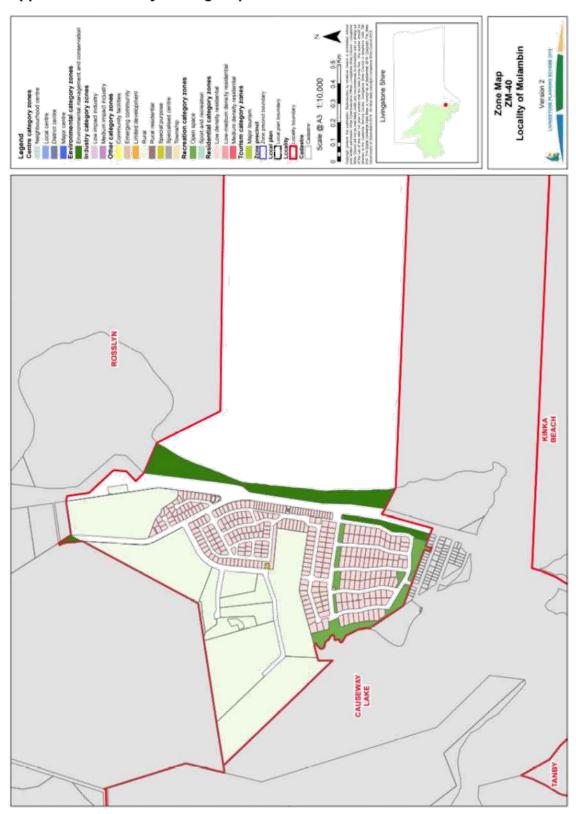
Page 13 of 19

Appendix B: PFTI Locality Map



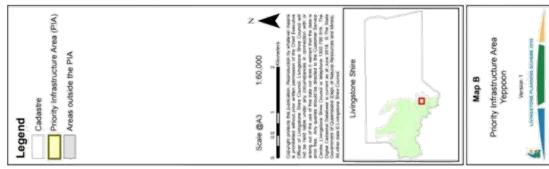
Page 14 of 19

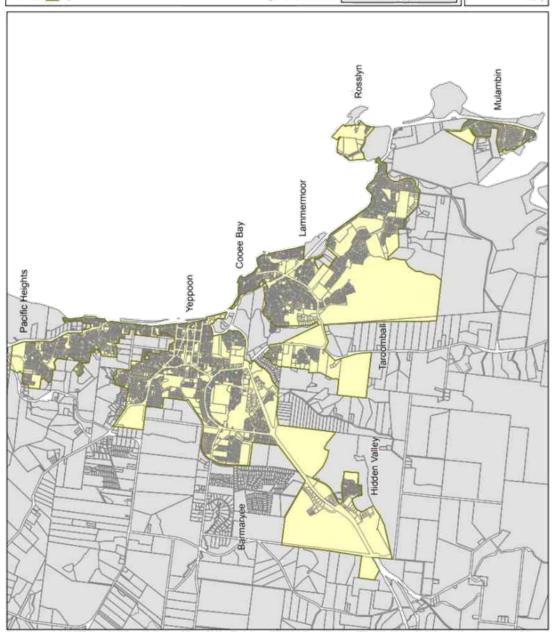
Appendix C: Locality Zoning Map



Page 15 of 19

Appendix D: Priority Infrastructure Area Map





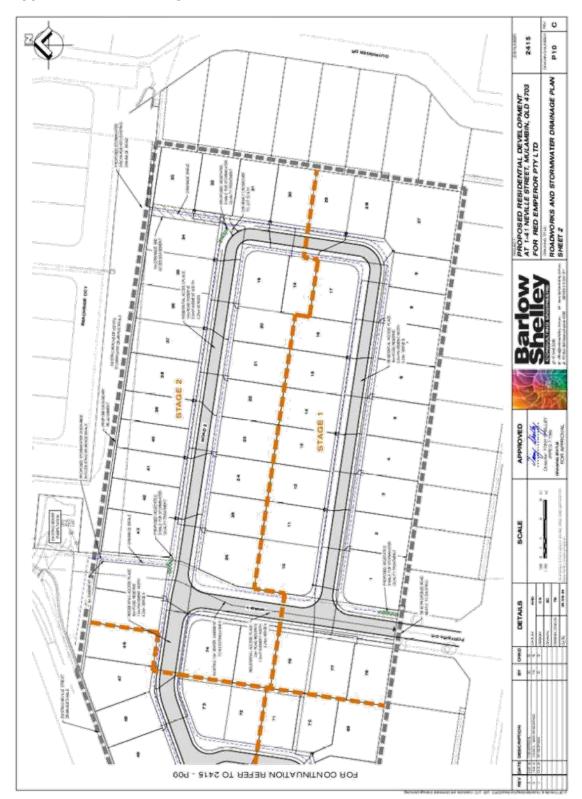
Page 16 of 19

Appendix E: Existing Infrastructure

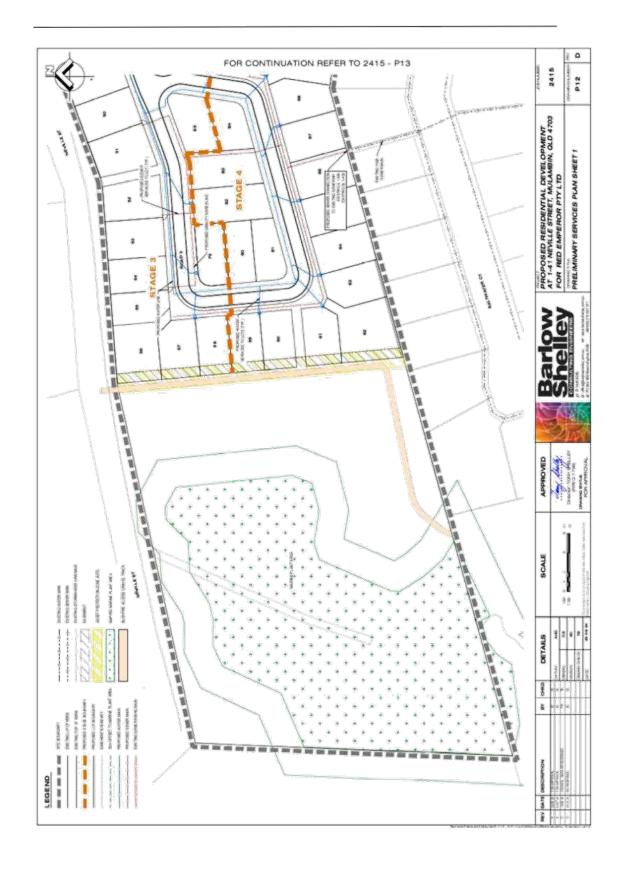


Page 17 of 19

Appendix F: Preliminary Service Plan



Page 18 of 19



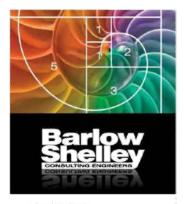
Page 19 of 19

13.6 - DEVELOPMENT PERMIT FOR A RECONFIGURING A LOT FOR A RECONFIGURING A LOT FOR ONE (1) INTO 77 RESIDENTIAL LOTS AND ONE ENVIRONMENT AND DRAINAGE LOT (STAGES 1-4), ON LOT 2 ON RP617670, AND LOCATED AT 1-41 NEVILLE STREET, MULAMBIN QLD 4703

Stormwater Management Plan

Meeting Date: 19 August 2025

Attachment No: 5



p: 07 5443 8285 e: office@barlowshelley.com.au a: PO Box 899, Maroochydore QLD 4558 w: www.barlowshelley.com.au abn: 89 215 591 077

SITE-BASED STORMWATER MANAGEMENT PLAN

In Association with the Reconfiguring a Lot Application for the Proposed Residential Subdivision

at

1-41 Neville Street, Mulambin

Lot 2 on RP617670

for

Red Emperor Pty Ltd

Ref: 2415-SBSMP-01_Version 4.0 July 2025

DOCUMENT INFORMATION

Document Title:	Site-Based Stormwater Management Plan
Document Reference No.	2415-SBSMP-01 – Version 4.0
Commissioned By:	Red Emperor Pty Ltd
Prepared By:	Barlow Shelley Pty Ltd
Author:	Chanelle Strydom (BEng)
Reviewed & Authorised By:	Tony Shelley (BEng, ADCE, RPEQ)

DOCUMENT CONTROL

Version	on Date Author		Reviewer	
1.0	15 July 2024	Chanelle Strydom	Tony Shelley	
2.0	29 October 2024	Chanelle Strydom	Tim Burke	
3.0	31 January 2025	Jeremy Lawrance	Tony Shelley	
4.0	18 July 2025	Jeremy Lawrance	Tim Burke	

"©2024 Barlow Shelley Pty Ltd All Rights Reserved. Copyright in the whole and every part of this document belongs to Barlow Shelley Pty Ltd and may not be used, sold, transferred, copied or reproduced in whole or in part in any manner or form or in or on any media to any person without the prior written consent of Barlow Shelley Pty Ltd".

EXECUTIVE SUMMARY

An assessment of the stormwater quantity and quality requirements have been carried out for the proposed development at Lot 2 on RP617670, Neville Street, Mulambin, in accordance with the Livingstone Shire Council (LSC) Planning Scheme Policy (PSP).

The proposed development is a 85 lot residential subdivision with new roads and an additional large format lot in the western extents of the subject that will be retained as drainage reserve and parkland.

The subject site is overlain by both the "Coastal Hazard Area Storm Tide Hazard Area" and "Flood Hazard Area" in its western extents. The former is considered to be the highest category of the two overlays and as such governs the minimum requirements for habitable floor levels on new lots in this proposed development. As per the Coastal Hazard Assessment Report, prepared by Burchills Engineering Solutions, the impact of the proposed development on the floodplain storage is considered negligible

A flood impact assessment has been undertaken by DY Solutions (Report 25-0703.FIA-01A) providing results and conclusions on the impact on runoff and overland flow conditions from the proposed post-development catchments.

MUSIC software water quality modeling demonstrates that a combination of turfed and planted swales will provide adequate treatment to meet the pollutant export removal targets in the Livingstone Shire Planning Scheme and the Qld SPP (2017).

Stormwater will be discharged to a Lawful Point of Discharge and stormwater quality is managed by the proposed treatment solutions, satisfying the relevant criteria specified in the Livingstone Shire Council Planning Scheme.

This version 4.0 of the stormwater report includes amendments in response to the Councils Further Advice notice dated 26 June 2025.

CONTENTS

Char	nelle Strydom (BEng)		.2
Tony	Shelley (BEng, ADCE, RPEQ)		.2
1.0	INTRODUCTION		.1
2.0	SITE DESCRIPTION		.2
3.0	FLOODING		.5
3.1	Minimum Habitable Floor Levels and Site Fill	(Retracted)	
3.2	Floodplain Storage	(Retracted)	
4.0	STORMWATER QUANTITY MANAGEMENT		. 5
4.1	Summary	(Retracted)	
4.2	Catchment Hydrology	(Retraced)	
4.3	WBNM Hydrologic Model	(Retracted)	
4.4	WBNM Analysis Pre-Development Flows	(Retracted)	
4.5	WBNM Analysis Post-Development Flows	(Retracted)	
4.6	Discussion	(Retracted)	
4.7	Boundary Realignment and Additional Peak Flow Relief	(Retracted)	
4.8	Lawful Point of Discharge	(Retracted)	
5.0	STORMWATER QUALITY MANAGEMENT		.6
5.1	Construction Phase		.6
5.2	Operational Phase		.7
5.3	MUSIC Modelling		.7
5.4	Stormwater Assets - Maintenance	1	3
6.0	CONCLUSION	1	4
7.0	LIMITATIONS AND CLOSURE		16

APPENDICES

APPENDIX A - Stormwater Drawings by Barlow Shelley

APPENDIX B - Wilden Way Development Stormwater Management Plan,

Version 5, Cardno

APPENDIX C - Stormwater Quality Objectives

1.0 INTRODUCTION

Barlow Shelley Consulting Engineers Pty Ltd was commissioned to prepare a Site Based Stormwater Management Plan (SBSMP) for a proposed residential development located on Lot 2 on RP617670, Neville Street, Mulambin, Queensland. (Refer to Figure 1.1 – Locality Plan).

The proposed development consists of a 85 lot residential subdivision, new road reserve, and a large open space lot which will be utilized as drainage reserve and parkland.

This SBSMP has been developed to address the stormwater quality management and will form part of the Application for the Reconfiguring of a Lot to Council. This report outlines water quality treatment strategies designed to meet the load-based reduction objectives in the Qld SPP (2017) in accordance with Council's planning scheme.

A separate Flood Impact Assessment report (25-0703.FIA-01A, July 2025) has been prepared by DY Solutions providing results and conclusions for stormwater quantity management.



Figure 1.1 Locality map of subject site

2415-SBSMP-01_Version 4.0 (July 2025) CS/ts Page 1 of 15

2.0 SITE DESCRIPTION

The site is described as Lot 2 on RP617670, 1 - 41 Neville Street, Mulambin, Queensland. The subject site presently falls under "Rural" zoning, in the local government area of Livingstone Shire Council (LSC). This application proposes to create 85 residential lots and new internal roads to service them under "Low Density Residential" zoning. The remainder of the lot to the west will be retained as drainage reserve and parkland. The total site area is $100,059m^2$ (10.01ha) with a proposed development area of $69,319m^2$ (6.93ha).

The subject site is bordered by Neville Street to the north-west, Beachside Crescent to the north-east and existing low density residential developments to the north-east, east and south. The site can be accessed from either Neville Street (north) or Portside Drive (south). Mulambin Creek is in close vicinity to the western extents of the site, while Mulambin Beach and the ocean is not far from the eastern border of the site. Refer to Figure 2.1 below showing the subject site and district locality.



Figure 2.1 Subject site within the vicinity of Mulambin and Yeppoon.

2415-SBSMP-01_Version 4.0 (July 2025) CS/ts

Page 2 of 15

The eastern portion of the existing site is considered flat. Upon close inspection of the 100mm contours of the subject site, it can be seen that there are various sag points across this portion of the subject site. It is assumed that runoff is ponding on the site during minor rainfall events. However, during larger events the lower sags will fill up and runoff will start overtopping and generally flow to the north in two "flow paths", as indicated by the arrows in Figure 2.2. Sketch plan 2415-SK04, included in Appendix B of this report, shows the 100mm contours across this eastern half of the site, with the RL5.0m contour specifically highlighted showing the location of the "flow paths". The runoff from this eastern portion of the site will discharge to an existing stormwater drainage swale, herein after referred to as Beachside Estate drainage swale, on the site's north-eastern boundary. Through the approximate middle of the site, the natural terrain forms a slight ridge in a north-south orientation, with the central portion of the site grading to the north west, while the western portion of the site then grades down to the south-western corner.

Runoff from the eastern portion of the site is conveyed through the existing Beachside Estate drainage swale and an existing swale adjacent to Neville street along the northern boundary of the site in a westerly direction. The runoff then flows through the subject site joining the runoff from the western portion of the site before discharging to the Mulambin Creek in the south-western corner.

Figure 2.2 shows the subject site and the general grading of the existing terrain.

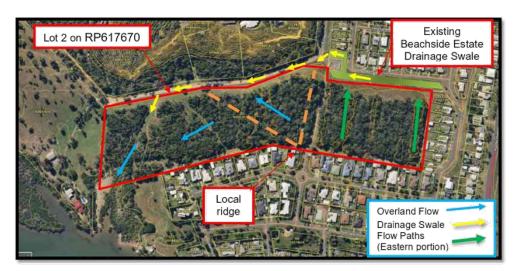


Figure 2.2 Aerial photo of subject site and immediate surrounding area.

2415-SBSMP-01_Version 4.0 (July 2025) CS/ts Page 3 of 15

Figure 2.3, shows the Proposed Site Layout on Lot 2 on RP617670, Neville Street, Mulambin. This layout has also been included as part of Appendix A of this report.



Figure 2.3 Proposed lot layout relative at 1-41 Neville Street, Mulambin.

3.0 FLOODING

Refer Flood Impact Assessment Report by DY Solutions (25-0703.FIA-01A), July 2025.

4.0 STORMWATER QUANTITY MANAGEMENT

Refer Flood Impact Assessment Report by DY Solutions (25-0703.FIA-01A), July 2025.

2415-SBSMP-01_Version 4.0 (July 2025) CS/ts

Page 5 of 15

5.0 STORMWATER QUALITY MANAGEMENT

The proposed development is a residential development within the Livingstone Shire Council. Stormwater quality will be managed in accordance with Tables 9.3.2.4.7 and 9.4.2.4.8 in Section 9.3.2 Development Works of the LSC Planning Scheme, a summary of which has been provided in Annexure F of this report. A MUSIC model was developed to determine treatment efficiencies for the proposed treatment devices. The MUSIC model incorporates both turfed and vegetated open swale drains as Stormwater Quality Improvement Devices (SQIDs) for the proposed development.

5.1 Construction Phase

The design objectives for water quality during the construction phase of the development will be in accordance with Table 9.3.2.4.7 of Section 9.3.2 Development Works of the LSC Planning Scheme, included in Appendix F of this report. The design objectives will be achieved through appropriate Erosion and Sediment Control procedures during construction.

Typical pollutants generated during construction phase of a development are listed in Table 5.1 below.

Pollutant	Potential Source	Priority
Litter	Paper, construction packaging, food packaging, cement bags, off cuts	High
Sediment	Unprotected exposed soils and stockpiles during earthworks and building works	High
Hydrocarbons	Fuel and oil spills, leaks from construction equipment and temporary car park areas.	High
Toxic Materials	Cement slurry, asphalt primer, solvents, cleaning agents, wash waters (e.g. From tile works)	Medium
Alkaline substances	Cement slurry and wash waters	High

Table 5.1 Typical Construction Phase Pollutants

The following are typical treatment measures that will be implemented, as required, before the commencement of any construction works. Detailed erosion and sediment control procedures are to be undertaken in accordance with the IECA Best Practice Sediment & Erosion Control and the Erosion and Sediment Control drawings lodged as part of an Operational Works application.

- sensible site planning
- diversion of up-slope water (where appropriate)
- · stabilised site entry/exit point
- · minimisation of site disturbance and duration of disturbance
- installation of sediment control along the lower edge of the site
- appropriate location and protection of stockpiles
- early connection of roof water downpipes

2415-SBSMP-01_Version 4.0 (July 2025)

Page 6 of 15

- trap on-site runoff from tool, paint and concrete washing and brick, tile and concrete cutting
- continual monitoring and maintenance of all control measures
- · compaction of backfilled trenches
- · revegetation and stabilisation of the site
- development and implementation of Erosion and Sediment Control Plans when appropriate.

5.2 Operational Phase

A MUSIC model was created to determine the treatment devices requirements for the subject site. A model of parallel sub-catchments with treatment measures at the outlets was created to model the proposed measures to be taken on site. The Stormwater Quality Improvement Devices (SQIDs) consist of turfed swales as well vegetated swales (garden beds) at the end of the residential development catchments.

5.3 MUSIC Modelling

MUSIC (Version 6.3.0, eWater), a pollutant export modelling program has been used to model both the expected pollutant loads generated by the development and the effectiveness of WSUD treatment options selected. Rainfall, pollutant loads, and treatment node parameters were taken from, or guided by, the MUSIC Modelling Guidelines V3.0 (Water by Design, 2010), hereinafter referred to as "the guidelines" and by the Computer Modelling, MUSIC Model Guidelines (Livingstone Shire, Drainage Infrastructure Network, LSC, 2018), with the latter taking precedence.

The proposed development has been split into four internal catchments (C1 to C4) as per Figure 5.1 below. These catchments and catchment numbers have been referenced in the stormwater quality modelling parameters of this section.

2415-SBSMP-01_Version 4.0 (July 2025)

Page 7 of 15



Figure 5.1: Internal Catchments of Proposed Developed Site

5.3.1 Split Catchment Approach

The development was broken up into catchments based on general surface types. The following surface types & impervious percentages were used (see Table 5.2 below); each representing a catchment or source node in the MUSIC model. Areas for each surface type were determined from electronic CAD drawings of the development plan in accordance with Table 3.2 of the guidelines. Lot areas were split into roof and ground nodes. It was assumed that the roof area of each lot would be approximately 215m² in size and the remainder is considered ground area (ground nodes). It is further assumed that approximately 50% of the remainder of ground area will be hardstand (driveway, patio etc.). This estimates a total percentage impervious on each lot of approximately 68%. The final value of this may be slightly higher for the small lots but will be lower for the larger end lots and so for the purposes of stormwater quality modelling, is considered appropriate.

Surface Type	Source Node	Area (ha)	% Impervious
Catchment C1			
New Roof	Roof	0.602	100
New Road	Road	0.513	80
New Ground	Ground	1.143	50
Catchment C2			
New Roof	Roof	0.495	100
New Road	Road	0.462	80
New Ground	Ground	0.970	50
Catchment C3			
New Roof	Roof	0.409	100
New Road	Road	0.271	80
New Ground	Ground	0.718	50
Catchment C4	*		
New Roof	Roof	0.301	100
New Road	Road	0.536	80
New Ground	Ground	0.501	50
Site Totals	i=	6.920	

Table 5.2 Adopted % Imperviousness

5.3.2 MUSIC Meteorological Data

In accordance with the LSC MUSIC Model Guidelines, the Gladstone (Station 39123) meteorological data was selected for the MUSIC analysis. The 10-year climate period was also selected in accordance with these guidelines. The rainfall and evapo-transpiration data for the period of 01/01/1980 to 31/12/1989, with a 6-minute time step was used in the model.

Input parameters for the rainfall-runoff, source nodes and treatment devices were obtained from the Water by Design MUSIC Modelling Guidelines. The following parameters were selected based on a residential development.

5.3.3 Rainfall-Runoff Parameters

The rainfall-runoff parameters listed in Table 5.3 were used in the model. These parameters are as recommended by the guideline.

PARAMETER	RESIDENTIAL DEVELOPMENT
Rainfall threshold (mm)	1
Soil storage capacity (mm)	500
Initial storage (% capacity)	10
Field capacity (mm)	200
Infiltration capacity Coefficient - a	211
Infiltration capacity Exponent - b	5.0
Initial depth (mm)	50
Daily recharge rate (%)	28
Daily baseflow rate (%)	27
Daily deep seepage rate (%)	0

Table 5.3 Recommended rainfall-runoff parameters.

2415-SBSMP-01_Version 4.0 (July 2025)

Page 9 of 15

5.3.4 MUSIC Pollutant Export Parameters for Split Catchment Land Use

Flow Type	TSS log Surface value					TN log¹0 values	
	Type	Mean	St. dev.	Mean	St. dev.	Mean	St. dev.
Baseflow parameters	Roof	N/A	N/A	N/A	N/A	N/A	N/A
	Roads	1.00	0.34	-0.97	0.31	0.20	0.20
	Ground Level	1.00	0.34	-0.97	0.31	0.20	0.20
Stormflow Parameters	Roof	1.30	0.39	-0.89	0.31	0,26	0.23
	Roads	2.43	0.39	-0.30	0.31	0.26	0.23
	Ground Level	2.18	0.39	-0.47	0.31	0.26	0.23

Table 5.4 Pollutant Export Parameters - For residential areas and new road reserve

5.3.5 MUSIC Treatment Node Parameters

Keeping with the general drainage arrangements of neighbouring developments, combination of turfed and vegetated swales has been proposed as the stormwater quality improvement devices for this development. All internal roads will be bordered by swale drains, the depth dependant on the runoff volumes of the catchments. For the purposes of the water quality assessment, a swale depth of 0.3m with 1:6 side slopes have been assumed. Please refer to the Typical Road Cross Sections included under Appendix A of this report for typical details.

Turfed Swales

To allow for local ridges and infills etc, a maximum length of 100m of swale drain per catchment has been used in the MUSIC model. Figure 5.1 shows the parameters used for the turfed swale nodes in the proposed development.

The drains are designed to grade at minimum 0.5% and utilise a vegetation roughness of cut grass equivalent to a Mannings Coefficient of 0.06.

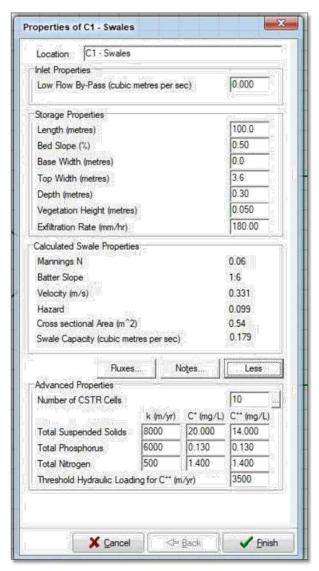


Figure 5.1 Turfed Swale Parameters

Vegetated Swales

It is proposed to provide vegetated swales, as part of feature planting areas, in the lower reaches of each internal catchment to provide an additional water quality treatment measure. For the purposes of this model, the vegated swales have been modelled with a length of 10m each. Figure 5.3 shows the treatment parameters used for a typical vegetated swale in the model. The drains are designed to grade at minimum 0.5% and utilise a vegetation roughness of small shrubs equivalent to a Mannings Coefficient of 0.547.

2415-SBSMP-01_Version 4.0 (July 2025)

Page 11 of 15

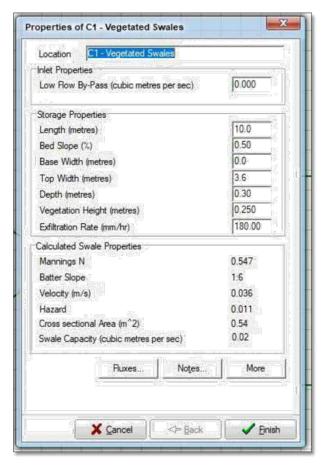


Figure 5.3 Vegetated Swale Parameters

The proposed swale drains provide conveyance from sheet flow runoff from residential lots but also addresses a fundamental action of Water Sensitive Urban design which is to disconnect impervious surfaces from pit and pipe drainage where possible to allow for ground recharge and biological uptake of surface runoff and pollutants.

5.3.6 MUSIC Model Results

The MUSIC pollutant load reductions for the site are detailed in Figure 5.4. These results were generated using the stochastic option as per the guidelines.

2415-SBSMP-01_Version 4.0 (July 2025)

Page 12 of 15

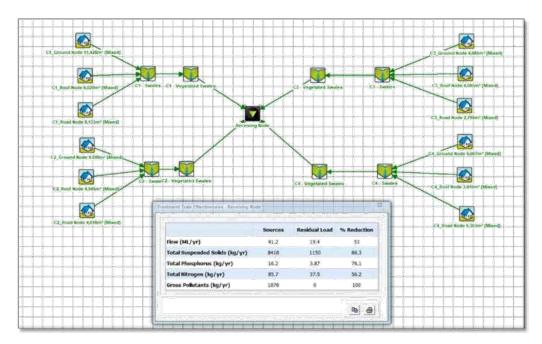


Figure 5.4 MUSIC Model Layout Showing Proposed Treatment Train

Through the implementation of the 400m of turfed swales and 40m of vegetated swales all load-based pollutant reduction efficiencies are met in accordance with Table 9.4.2.4.8 in Section 9.3.2 Development Works of the LSC Planning Scheme. Drawings 2415-P09 and P10, included in Appendix A, shows the proposed locations of road swale and vegetated swale through the development.

5.4 Stormwater Assets - Maintenance

Each aspect of a water quality treatment train must be maintained to function as designed and achieve the performance targets calculated in the MUSIC model.

5.4.1 Maintenance Schedule

The maintenance schedule set out in Table 5.5 shall be adopted for the development and the vegetated stormwater treatment areas maintained in accordance with this section and the guidelines from Water by Design.

Stormwater Treatment Asset	Maintenance Frequency	Tasks
Swale Drain	Regularly (monthly)	Mow, remove litter, control weeds

Table 5.5 Maintenance Schedule

2415-SBSMP-01_Version 4.0 (July 2025)

Page 13 of 15

6.0 CONCLUSION

This stormwater management plan has reviewed the proposed development with respect to stormwater quantity and quality. It has investigated the site catchment hydrology and prior development approvals to ensure the proposed development does not cause actionable nuisance of stormwater runoff or flooding, and stormwater runoff quality is in accordance with the LSC Planning Scheme.

Based on this assessment the following conclusions have been made:

- The proposed development has a negligible effect on the flood storage capacity of the larger Mulambin Creek area, as supported in the report prepared by Burchills.
- A separate Flood Impact Assessment report (25-0703.FIA-01A, July 2025) has been prepared by DY Solutions providing results and conclusions for stormwater quantity management.
- The lawful point of discharge is the existing, natural discharge to the Mulambin Creek in the subject site's south western corner.
- The proposed development includes Stormwater Quality Improvement Devices being 400m of turfed swales and 40m of vegetated swales, as detailed in Section 5 of this report.

In summary, stormwater will be discharged to a Lawful Point of Discharge and stormwater quality is managed by the proposed treatment solutions that satisfy the relevant criteria specified in the Livingstone Shire Council Planning Scheme.

2415-SBSMP-01_Version 4.0 (July 2025) CS/ts Page 14 of 15

7.0 LIMITATIONS AND CLOSURE

This report has been commissioned by Red Emperor Pty Ltd and specifically investigates the subject site as described in this report.

We consider that the study addresses the requirements for development of the subject site at the time the study was undertaken. If these conditions are known to change, the results of this study should be reviewed.

This report is only to be used in full and may not be used to support objectives other than those set out herein, except where written approval is provided by Barlow Shelley Consulting Engineers.

Barlow Shelley Consulting Engineers accept no responsibility for the accuracy of information supplied to them by second and third parties.

Should further information be required please contact the undersigned.

AUTHORED BY

CHANELLE STRYDOM (BEng)

APPROVED BY

TONY SHELLEY - Director BEng (Hons), ADCE, RPEQ

RPEQ: 7736

For and on behalf of: BARLOW SHELLEY PTY LTD

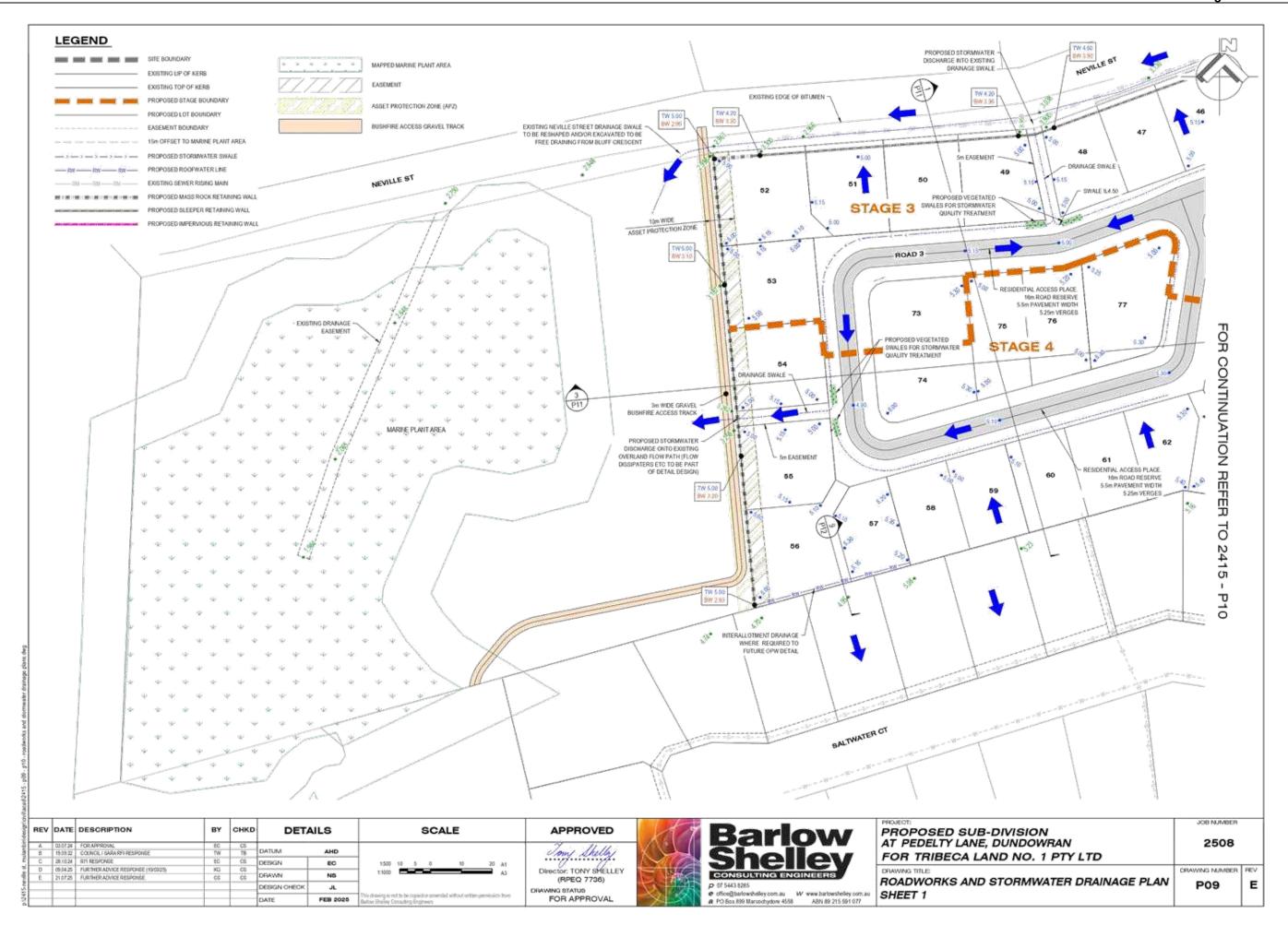
2415-SBSMP-01_Version 4.0 (July 2025) CS/ts Page 15 of 15



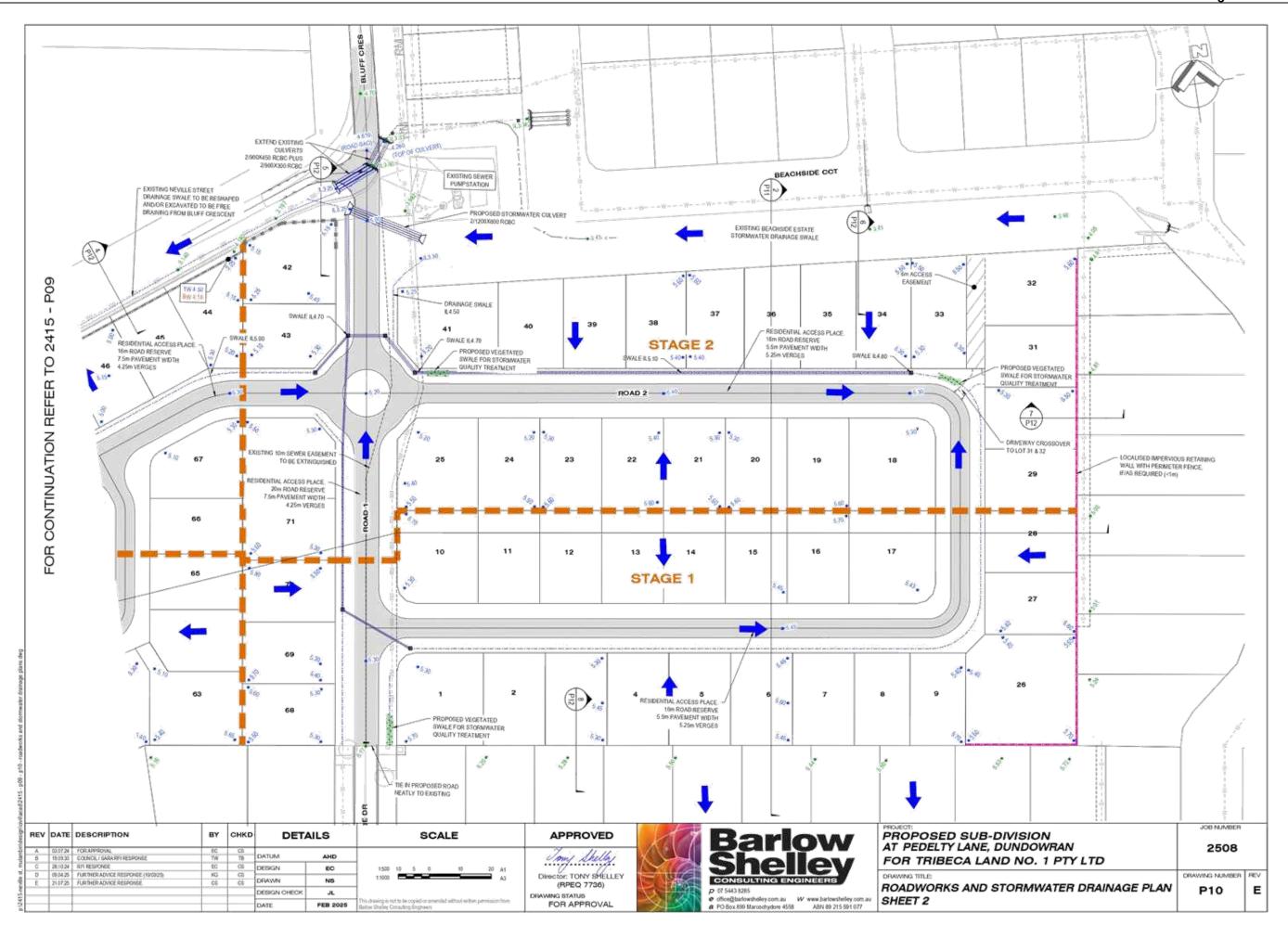
Stormwater Drawings

Prepared by Barlow Shelley Pty Ltd

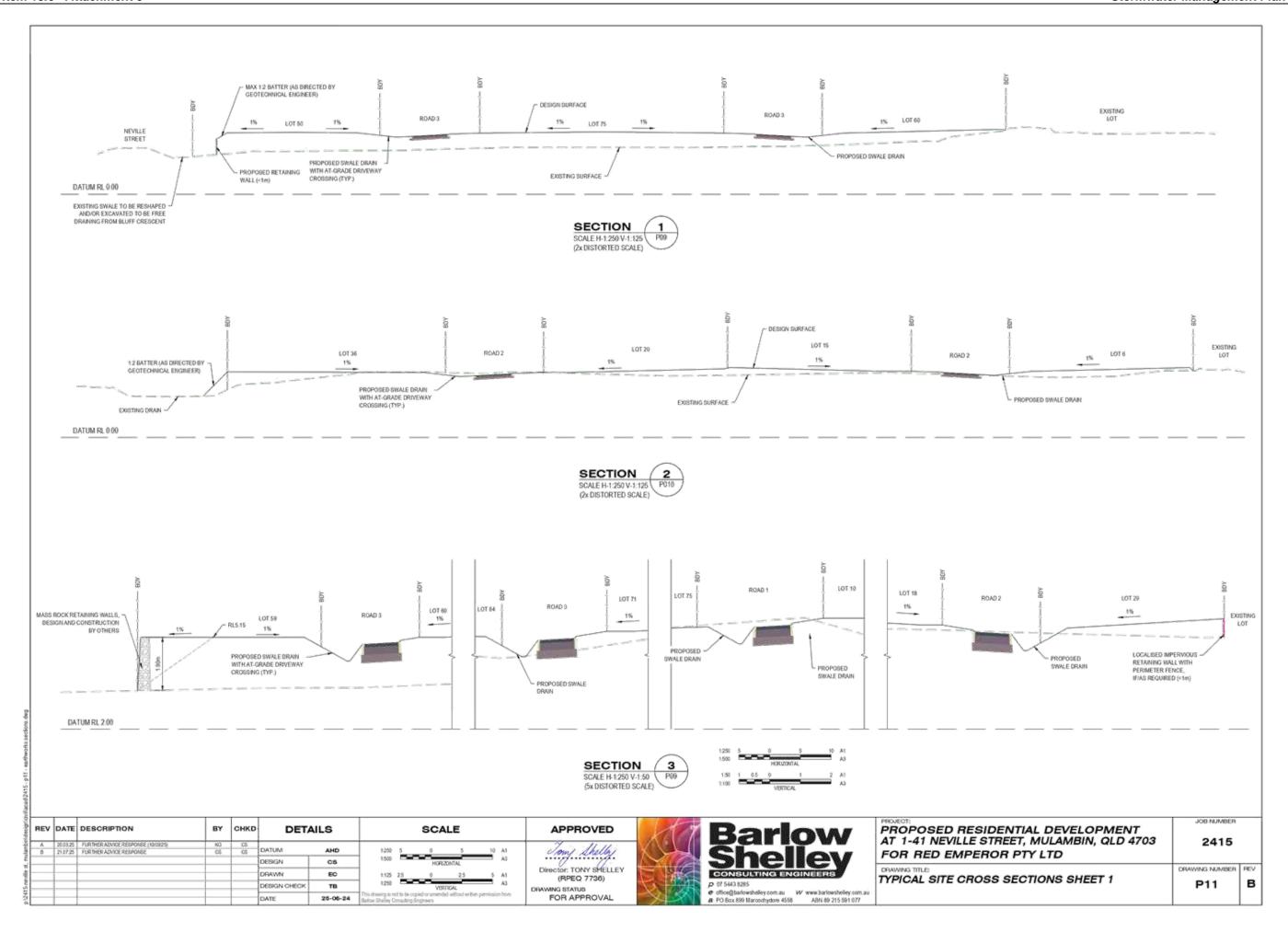
Item 13.6 - Attachment 5



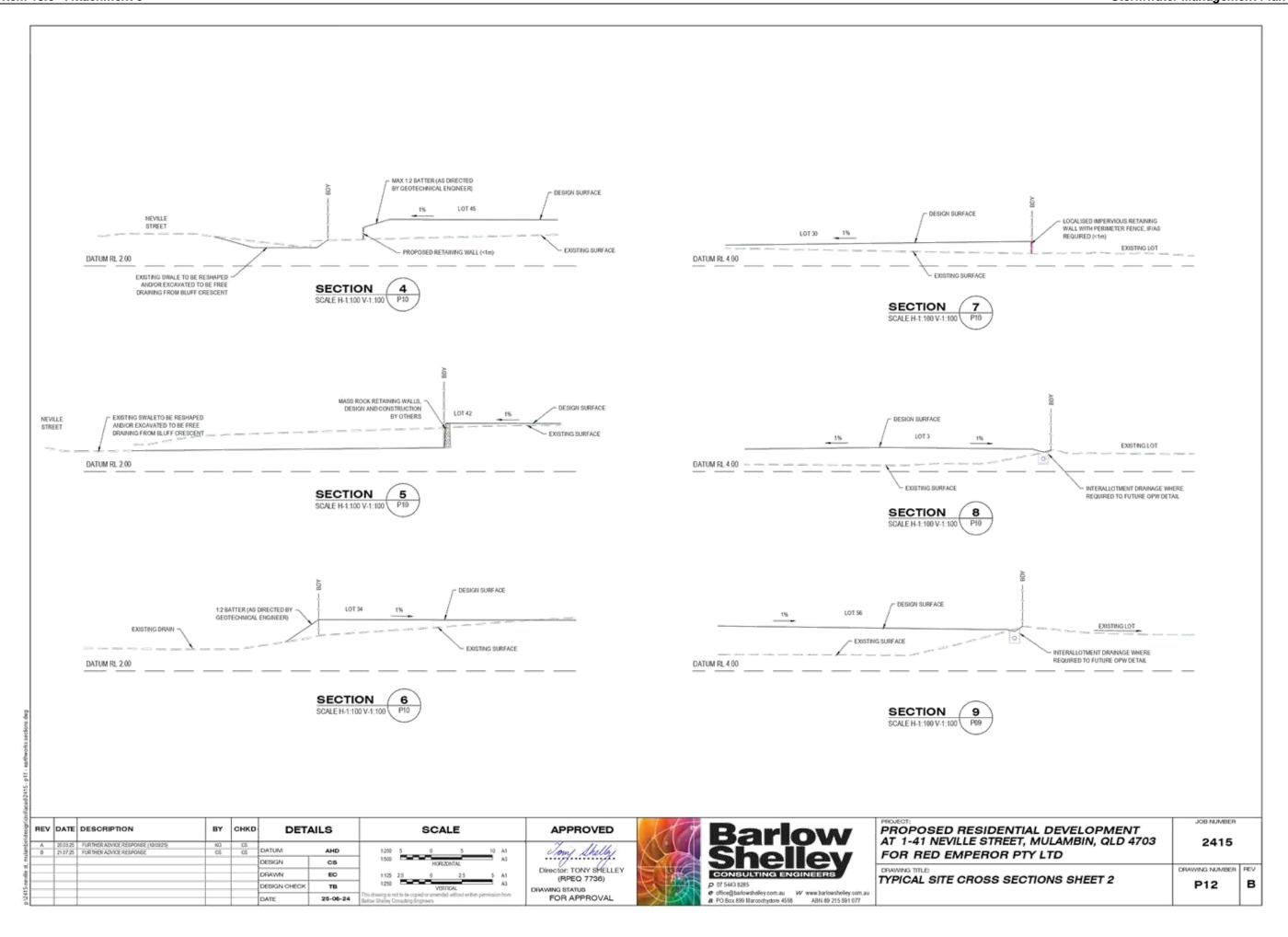
Item 13.6 - Attachment 5



Item 13.6 - Attachment 5



Item 13.6 - Attachment 5





Wilden Way Development - Stormwater Management Plan

Cardno Pty Ltd, Version 5, 2011



Stormwater Quality Objectives - Construction Phase

 Extract from the Livingstone Shire Council Planning Scheme. (Tables 9.3.2.4.7 and 9.4.2.4.8 in Section 9.3.2 Development Works)

Table 9.3.2.4.7 - Construction phase stormwater management design objectives

	Issue	Design objectives
Drainage control	Temporary drainage works	(a) Design life and design storm for temporary drainage works:
		(i) disturbed area open for <12 months — 1 in 2-year ARI event;
		(ii) disturbed area open for 12–24 months — 1 in 5-year ARI event;
		(iii) disturbed area open for > 24 months — 1 in 10-year ARI event.
		(b) Design capacity excludes minimum 150 millimetres freeboard.
		(c) Temporary culvert crossing — minimum 1 in 1-year ARI hydraulic
		capacity
Erosion control	Erosion control measures	(a) Minimise exposure of disturbed soils at any time.
		(b) Divert water run-off from undisturbed areas around disturbed
		areas.
		(c) Determine the erosion risk rating using local rainfall erosivity,
		rainfall depth, soil-loss rate or other acceptable methods.
		(d) Implement erosion control methods corresponding to the
		identified erosion risk rating.
Sediment control	Sediment control measures	(a) Determine appropriate sediment control measures using:
	Design storm for sediment control	(i) potential soil loss rate, or
	basins	(ii) monthly erosivity, or
	Sediment basin dewatering	(iii) average monthly rainfall.
		(b) Collect and drain stormwater from disturbed soils to sediment
		basin for design storm event:
		(i) design storm for sediment basin sizing is eightieth (80th) percentile
		five-day rainfall event or similar.
		(c) Site discharge during sediment basin dewatering:
		(i) TSS < 50 mg/L TSS; and
		(ii) Turbidity not >10% receiving waters turbidity; and
		(iii) pH range of 6.5–8.5.
Water quality	Litter and other waste,	(a) Avoid wind-blown litter; remove gross pollutants.
	hydrocarbons and other	(b) Ensure there is no visible oil or grease sheen on released waters.
	contaminants	(c) Dispose of waste containing contaminants at authorised facilities.
Waterway stability and	Changes to the natural waterway	(a) For peak flow for the 1-year and 100-year ARI event, use
flood flow management	hydraulics and hydrology	constructed sediment basins to attenuate the discharge rate of
		stormwater from the site.

Table 9.3.2.4.8 - Post construction phase stormwater management design objectives

Climatic region	Minimun	n reductions in	bjectives i mean annual levelopment %	Application	
Cumano region	Total suspended solids (TSS)	Total phosphorus (TP)	Total nitrogen (TN)	Gross pollutants >5 millimetres	дрисации
Central Queensland (south)	85	60	45	90	Development for urban purposes within population centres greater than 3000 persons
All	N/A	N/A	N/A	N/A	Excludes development that is less than twenty-five (25) per cent impervious.
					In lieu of modelling, the default bio-retention treatment area complies with load reduction targets for all Queensland regions, which is 1.5 per cent of the contributing catchment area
	(a) Limit the pe	ility manageme ak 1-year ARI ev way to the pre- e.	ent discharge v		Catchments contributing to un-lined receiving waterway. Local government may not require compliance if the waterway is degraded.
					For peak flow for the 1-year ARI event, use co-located storages to attenuate site discharge rate of stormwater.

13.6 - DEVELOPMENT PERMIT FOR A RECONFIGURING A LOT FOR A RECONFIGURING A LOT FOR ONE (1) INTO 77 RESIDENTIAL LOTS AND ONE ENVIRONMENT AND DRAINAGE LOT (STAGES 1-4), ON LOT 2 ON RP617670, AND LOCATED AT 1-41 NEVILLE STREET, MULAMBIN QLD 4703

Flood Impact Assessment

Meeting Date: 19 August 2025

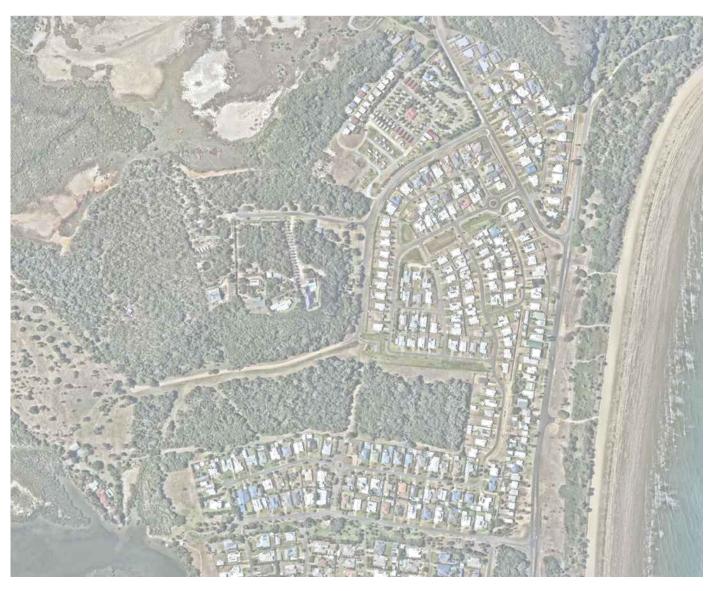
Attachment No: 6



REPORT

FLOOD IMPACT ASSESSMENT PROPOSED RESIDENTIAL SUBDIVISION 1-41 NEVILLE STREET MULAMBIN, QLD

Prepared for Red Emperor Pty Ltd atf Red Emperor Trust





Document information

Revision /

 Date
 21/07/2025

 Prepared by
 D. Yates

Approved by D. Yates (RPEQ #28333)
Security classification Commercial-in-Confidence

DISCLAIMER

This report is the result of a collaborative effort between Barlow Shelley Consulting Engineers ("BSCE") and DY Solutions ("the Consultant"). BSCE has facilitated project coordination and integration, while the Consultant has provided specialised engineering expertise. Unless noted otherwise, the Consultant is responsible for the technical analysis, assessment, and documentation of findings within this report, with exceptions where external sources or referenced documents are indicated.

COMMERCIAL IN CONFIDENCE

This document, along with any associated intellectual property, is confidential and proprietary to DY Solutions. It may not be disclosed in whole or in part to any third party, nor may it be used in any manner other than for purposes expressly authorized in writing by DY Solutions. DY Solutions retains all legal rights and remedies regarding any infringement of its rights pertaining to its confidential information.

TABLE OF CONTENTS

1. INTRODUCTION	1
1.1 Objectives	1
1.2 Reference documents and reliance information	1
1.3 Description of the Site	
2. STORMWATER QUANTITY	5
2.1 Methodology	5
2.2 Hydrology	5
2.3 Hydraulic Modelling	
3. FLOOD IMPACT ASSESSMENT	12
3.1 Comparison of Pre- and Post-Development Peak Flow and Velocity	12
3.2 Comparison of Pre- and Post-Development Peak Flood Levels	
4. CONCLUSIONS AND RECOMMENDATIONS	16
4.1 Certification	16
TABLE OF FIGURES	
Figure 1-1 Site Location Plan (Nearmap & Livingstone GIS Mapping)	2
Figure 1-2 Site Frontage (CNR Bluff Cres & Neville St) - Google street view (Google Maps)	3
Figure 1-3 Overall Layout (Barlow Shelley Consulting Engineers Drg. No. P02 E, 9/04/2025)	
Figure 2-1 Pre-Development Catchments Figure 2-2 Post-Development Catchments	
Figure 2-3 Pre-Development Hydraulic Model Layout	
Figure 2-4 Post-Development Hydraulic Model Layout	
Figure 2-5 Roadworks and Stormwater Drainage Plan Sheet 2 (Barlow Shelley Consulting Engineer	rs
Drg. No. P10 D, 9/04/2025)	11



1. INTRODUCTION

DY Solutions were engaged by Red Emperor Pty Ltd atf Red Emperor Trust to prepare a flood impact assessment in support of a development application for the proposed residential subdivision at 1-41 Neville Street, Mulambin, which is properly described as Lot 2 on RP617670 which is situated in the Livingstone Shire Council local government area.

The Development Application package proposes a subdivision which will deliver 77 new residential lots. This report presents 1D flood modelling and analysis of the site for pre- and post-development conditions, adopting appropriate model inputs, including rainfall IFD, temporal patterns, storm loss that align with BOM 2016 and AR&R 2019 methods suitable for the site conditions. As such, a dynamic 1D flood model has been developed using XP-SWMM and run for the full range of standard AEP and ARR 2019 ensemble storm events.

1.1 Objectives

The primary objective of this report is to quantify and document the flood impact to adjacent infrastructure and property and to confirm that post-development peak flows can be safely conveyed, particularly through the northern swale and its outlet, without worsening off-site flooding conditions (i.e. peak flow and flood levels along Beachside Circuit and Neville Street).

This report also documents sensitivity testing within the 1D hydraulic model to assess the interaction between high seasonal groundwater or storm tide levels and the proposed drainage scheme by varying tailwater boundary conditions. Specifically, two sensitivity scenarios have been assessed in this report for the purposes of evaluating potential flood impacts and to verify the flood immunity of habitable floor levels within both the proposed lots and the existing adjacent lots along Beachside Circuit.

1.2 Reference documents and reliance information

This report is in accordance with the following reference documents.

- Commonwealth of Australia (Geoscience Australia) 2019, Australian Rainfall and Runoff.
- The Livingstone Planning Scheme 2018, Version 4, Schedule 5. Standards for flood resiliency.
- The Livingstone Planning Scheme 2018, Version 4, Schedule 7.6. Flood hazard planning scheme policy.
- The Livingstone Planning Scheme 2018, Version 4, Section 8.2.7 Flood hazard overlay code.
- Department of Energy and Water Supply (2017), Queensland Urban Drainage Manual.

In determining catchment delineation and sub-catchment parameterisation for the study area, this analysis has relied on data presented in previous hydrologic and coastal hazard studies for the site and adjacent developments. Namely, this analysis has adopted data from the following reliance information after undertaking a desktop review:

- Wildin Way Development, Stormwater Management Plan, Version 5 (Document No. 7195/81-2), prepared by Cardno, dated 31 May 2011 (referred to herein as 'Cardno's Wildin Way SMP').
- 1-41 Neville Street, Mulambin, Coastal Hazard Assessment (Document No. BE240146-RP-CHA-02), prepared by Burchills Engineering Solutions, dated October 2024 (referred to herein as 'the Burchills Coastal Hazard Assessment').
- Site Based Stormwater Management Plan (Document No. 2415-SBSMP-01_Version 3.0), prepared by Barlow Shelley Consulting Engineers, dated January 2025 (referred to herein as 'the BSCE SBSMP').
- Digital Elevation Model (DEM) of topographical survey data for the pre-development site and surrounding drainage features supplied by Barlow Shelley Consulting Engineers (file reference '2415 super existing tin 250709.dem', received 9/07/2025).
- Digital Elevation Model (DEM) of design surface model for the post-development site supplied by Barlow Shelley Consulting Engineers (file reference '2415 design tin 250717.dem', received 17/07/2025).

1.3 Description of the Site

1.3.1 Location and Current Land Use

The site is located at 1-41 Neville Street, Mulambin and is properly described as Lot 2 on RP617670. The site has a total area of 10.00 hectares and is identified by the Livingstone Shire Plan as being situated within a Rural zone.

Page 1 of 28



The site in its current state the site remains undeveloped, with no built form onsite. The site is traversed by a number of unformed access tracks, which run in a north / south alignment and provide access to the property from Neville Street to the north and Portside Drive to the south. To the south and west of the site, the property is bound by low density residential development which is dominated by detached dwellings. To the north, the site is bound by further low density residential development and Neville Street, an unsealed road which forms the properties major site access. To the west the property is bound by rural land and Mulambin Creek.

A large proportion of the site covered by established vegetation, with only the site boundaries and tracks maintained as a grass cover. A small tidal inlet of Mulambin Creek is situated in the south-western extents of the property. A swale which is situated on the southern side of the Neville Street road reserve discharges stormwater to this inlet.

The site location is depicted on both Figure 1-1.

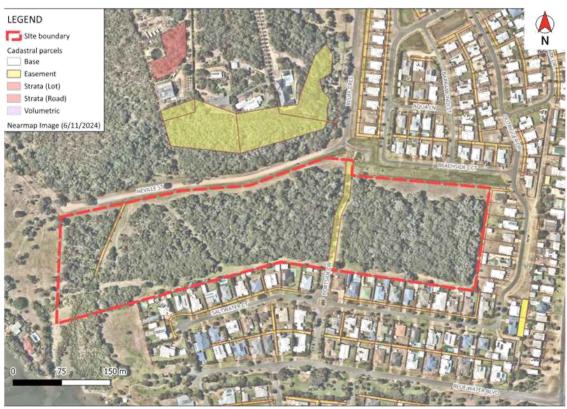


FIGURE 1-1 SITE LOCATION PLAN (NEARMAP & LIVINGSTONE GIS MAPPING)

A google street view from the corner of Bluff Crescent and Neville Street looking south across the Neville Street swale to the northern boundary of the site is presented in **Figure 1-2** for a street front appreciation.

Page **2** of **28**





FIGURE 1-2 SITE FRONTAGE (CNR BLUFF CRES & NEVILLE ST) - GOOGLE STREET VIEW (GOOGLE MAPS)

1.3.2 Proposed Development

The development proposal will see the existing rural land parcel subdivided to deliver 77 low density residential lots, internal road network, a park / drainage lot and balance parkland lot. The residential lots delivered as part of the subdivision will vary in size from 450m² to 1,284m² and will have finished earthworks levels generally ranging from 5.0m - 5.7m. Accounting for a nominal building slab thickness of minimum 0.2 m, the minimum habitable floor level within the development will be 5.2 m AHD. This accords with the Burchills Coastal Hazard Assessment, which states that proposed lots in this storm tide affected area shall require minimum habitable floor levels of 5.2 m AHD as per Schedule 9 of the Livingstone Shire Planning Scheme.

Figure 1-3 below provides an extract of the development layout prepared by Barlow Shelley Consulting Engineers. For further details, please refer to the full plan of subdivision contained in Appendix A of this report.



FIGURE 1-3 OVERALL LAYOUT (BARLOW SHELLEY CONSULTING ENGINEERS DRG. NO. P02 E, 9/04/2025)

Page 3 of 28



Page 4 of 28

1.3.3 Adjacent Wildin Way Residential Development

Prior to the Burchills Coastal Hazard Assessment in 2024, which states that proposed lots in this area shall require minimum habitable floor levels of 5.2 m AHD, the storm surge level applicable to the adjacent Wildin Way Development was referenced in Cardno's Wildin Way SMP as being at 4.5 m AHD. As such, Condition 6.3 of Council's Development Approval for the Wildin Way Development required all lots to be filled to a minimum height of 4.5 m AHD, or provided with building pads to a minimum height of 4.5 m AHD. Cardno's Wildin Way SMP further states that the minimum lot levels adopted for the design (referring to Appendix D of that report) have been set at the greater of the local flood level plus freeboard to floor level and the storm surge level of 4.5 m AHD. Cardno concluded that in the majority of cases, the local flood level governed minimum floor levels throughout the Wildin Way development.

Recent survey was obtained from Capricorn Survey Group (CQ) Pty Ltd on 18th July 2025 of the lots that have now been constructed within the Wildin Way Development adjacent to the Beachside Circuit swale drain. This survey has confirmed the finished floor levels to be at or above 4.8 m AHD, allowing for a nominal 0.3-metre-thick building slab on top of the minimum 4.5m AHD lot level conditioned by Council. The existing lot furthest to the southwest of the Wildin Way Development at 32 Beachside Circuit is slightly lower, with a surveyed finished floor level of 4.77 m AHD.



2. STORMWATER QUANTITY

2.1 Methodology

An integrated hydrologic and hydraulic model was constructed using XP-SWMM. The model represents the subcatchments as a network of nodes linked to 1D drainage elements. The design rainfall is routed through the network after appropriate losses (initial and continuing) and roughness factors are applied, resulting in a surface runoff hydrograph for each sub-catchment and a corresponding flood level and velocity.

2.2 Hydrology

The XP-SWMM runoff-routing model has been used to estimate design flood hydrographs from the various subcatchments throughout the study area. The XP-SWMM model was used to estimate the 63% to 1% Annual Exceedance Probability (AEP) storm events for the 10-minute to 24-hour standard duration events using the ARR DataHub ensemble patterns for the East Coast North climatic zone.

2.2.1 Rainfall Data

Intensity Frequency Duration (IFD) data for the site has been derived using the Bureau of Meteorology (BOM) 2016 Rainfall IFD Data System. The rainfall intensities applied to the hydrologic modelling are summarised in **Table 2-1**.

TABLE 2-1 INTENSITY FREQUENCY DURATION DATA APPLIED TO HYDROLOGIC ASSESSMENT

DURATION			RAINFAL	L INTENSITY (r	nm/hour)		
(minutes)	63% AEP	39% AEP	18% AEP	10% AEP	5% AEP	2% AEP	1% AEP
10	98.4	122.4	150.6	173.4	199.2	233.4	260.4
15	84.0	104.4	128.8	148.4	170.4	199.6	222.4
20	73.2	91.2	112.5	129.6	148.8	174.6	194.7
25	65.0	80.9	99.8	115.2	132.5	155.5	173.5
30	58.6	73.0	90.2	104.0	119.6	140.6	156.8
45	45.7	56.9	70.5	81.6	93.9	110.7	123.7
60	37.9	47.2	58.7	68.1	78.5	92.7	104.0
90	28.8	36.0	45.1	52.5	60.7	72.0	81.3
120	23.6	29.6	37.4	43.7	50.5	60.5	68.5
180	17.9	22.6	28.8	34.0	39.7	47.7	54.0
270	13.6	17.3	22.4	26.7	31.6	38.2	43.6
360	11.3	14.4	19.0	22.8	27.0	33.0	37.8
540	8.7	11.2	15.1	18.3	22.0	27.1	31.3
720	7.3	9.5	12.9	15.8	19.1	23.8	27.6
1080	5.7	7.4	10.4	12.8	15.7	19.7	23.1
1440	4.8	6.3	8.9	11.0	13.5	17.2	20.2

2.2.2 Routing

Hydrologic modelling has been undertaken using the Laurenson runoff routing method. The Laurenson method requires the catchment to be defined by its pervious and impervious areas. A fraction impervious of 0% has been applied to the pervious portion and 100% to the impervious portion.

2.2.3 Catchments & Lawful Point of Discharge

In its pre-development condition, prior to clearing the site, the semi-rural properties comprising the site discharged stormwater runoff primarily as overland sheet flow in a generally northern direction towards the existing swale drain adjacent to Beachside Circuit and Neville Street. The pre-development catchment configuration is consistent with the BSCE SBSMP. However, the existing external catchment EX 4 was revised from the 9.976 ha reported in the BSCE SBSMP to 10.760 ha to align with the catchment areas presented in Cardno's Wildin Way SMP for this area. As such, external

Page **5** of **28**



catchment EX 4 was further divided into five (5) sub-catchments to align with the catchment parameters listed in Table 17 of *Cardno's Wildin Way SMP*. The pre-development catchment properties adopted in the XP-SWMM model are presented in **Table 2-2** and the pre-development catchment configuration is depicted on **Figure 2-1**.

TABLE 2-2 PRE-DEVELOPMENT CATCHMENT DETAILS APPLIED TO HYDROLOGIC ASSESSMENT

SUB-CATCHMENT ID	CATCHMENT AREA (ha)	IMPERVIOUS FRACTION (%)	AVERAGE SLOPE (%)		
EX 1	3.385	40%	0.5		
EX 2	0.280	45%	0.5		
EX 3	0.802	50%	0.5		
EX 4 (to N_3)	2.400	55%	0.5		
EX 4 (to NW_1)	4.700	56%	0.5		
EX 4 (to NW_6)	1.620	35%	0.5		
EX 4 (to NW_4)	1.470	43%	0.5		
EX 4 (to S_2)	0.570	33%	0.5		
Sub-total External	15.227	48%	0.5		
Catchment A	1.693	0%	0.5		
Catchment B	1.944	0%	0.5		
Catchment C	1.575	0%	0.5		
Catchment D	1.767	0%	0.5		
Sub-total Internal	6.979	0%	0.5		
Total	22.206	33%	0.5		

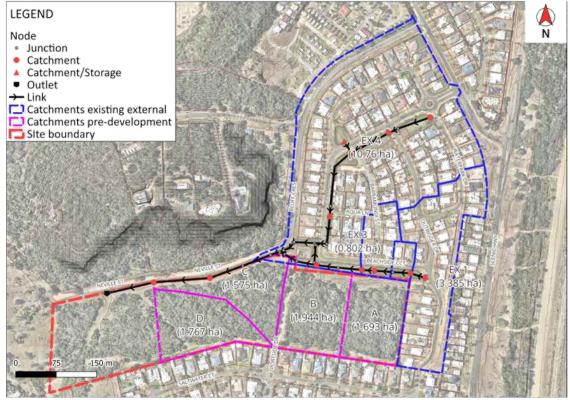


FIGURE 2-1 PRE-DEVELOPMENT CATCHMENTS

Under post-development conditions, the site will continue to discharge north towards the existing swale drain adjacent to Beachside Circuit and Neville Street. As such, the site has been designed to retain the existing Lawful Point of

Page **6** of **28**



Discharge (LPD), which is the existing swale drain adjacent to Beachside Circuit and Neville Street that ultimately discharges to Mulambin Creek. The and The post-development catchment properties adopted in the XP-SWMM model are presented in **Table 2-3** and the post-development catchment configuration is depicted in **Figure 2-2** below.

TABLE 2-3 PRE-DEVELOPMENT CATCHMENT DETAILS APPLIED TO HYDROLOGIC ASSESSMENT

SUB-CATCHMENT ID	CATCHMENT AREA (ha)	IMPERVIOUS FRACTION (%)	AVERAGE SLOPE (%)		
EX 1	3.385	40%	0.5		
EX 2	0.280	45%	0.5		
EX 3	0.802	50%	0.5		
EX 4 (to N_3)	2.400	55%	0.5		
EX 4 (to NW_1)	4.700	56%	0.5		
EX 4 (to NW_6)	1.620	35%	0.5		
EX 4 (to NW_4)	1.470	43%	0.5		
EX 4 (to S_2)	0.570	33%	0.5		
Sub-total External	15.227	48%	0.5		
Catchment C1	2.254	65%	0.5		
Catchment C2	1.867	65%	0.5		
Catchment C3	1.398	65%	0.5		
Catchment C4	1.338	65%	0.5		
Sub-total Internal	6.857	65%	0.5		
Total	22.084	53%	0.5		

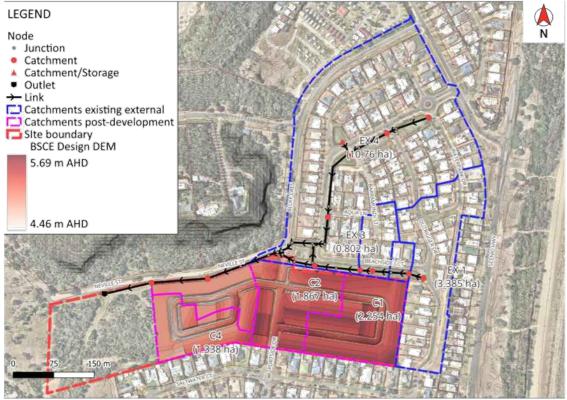


FIGURE 2-2 POST-DEVELOPMENT CATCHMENTS

There is approximately 0.240 ha of catchment area to the south of the Stage 2 area that drains to stormwater inlets proposed within Stage 1. These stormwater inlets are directly connected to the drainage network

Page **7** of **28**



proposed in Stage 2 and discharge to the Stage 2 lawful point of discharge. These catchment areas have been included in this assessment.

2.2.4 Roughness Coefficients

The Manning's roughness coefficients have been varied for the impervious and pervious portions of the catchment. The following values were applied.

■ Impervious portion n = 0.014 ■ Pervious portion n = 0.030

2.2.5 Design Rainfall Burst Losses

Initial Loss (IL) and Continuing Losses (CL) have been applied to the modelling, and these values have been varied for the impervious and pervious portions of the catchment. The following complete storm pervious losses (inclusive of preburst loss) have been obtained from the ARR Datahub as follows:

■ Impervious IL = 1 mm, CL = 0 mm/hr
 ■ Pervious IL = 30 mm, CL = 2.0 mm/hr

As the XP-SWMM model simulations exclude the pre-burst rainfall and simulates only the design rainfall burst, the median pre-burst rainfall depth is required to be subtracted from the complete storm pervious IL (30 mm) to obtain the burst IL for pervious portions of the catchment. This median pre-burst rainfall depths were obtained from the ARR Datahub and reviewed. These pre-burst depths vary with AEP and storm duration, and the critical duration for the 1% AEP peak discharge within the Neville Street swale was found to be greater than the 3-hour storm event. Upon review, the median pre-burst rainfall depths for durations greater than 3-hours generally exceeded the complete storm pervious IL (30 mm), therefore yielding zero pervious area burst loss.

Given Council's concerns regarding potentially elevated groundwater levels throughout the catchment, adopting zero pervious area burst loss for the runoff model is considered to be sufficiently conservative to account for this. The following pervious area burst losses were therefore adopted for the XP-RAFTS model as follows:

- Design storm burst pervious IL = 0 mm
- Design storm burst pervious CL = 2.0 mm/hr

The following burst losses were adopted for impervious portions of the catchment:

- Impervious burst IL = 1.0 mm
- Impervious burst CL = 0 mm/hr

2.3 Hydraulic Modelling

2.3.1 General

The hydraulic component of the XP-SWMM model was configured to represent the major drainage system for the study area, comprising swales, basins, culvert crossings and downstream tailwater conditions. Models were established for both pre- and post-development conditions in order to confirm that the proposed development will not have an adverse impact on flood conditions upstream or downstream of the site.

The investigation considered the design scenario and two additional sensitivity scenarios, as follows:

- Design Scenario: free draining model outlet conditions to Mulambin Creek.
- Sensitivity Scenario 1: Model outlet constrained by RL3.78 Storm Tide conditions in Mulambin Creek (as described in the Burchills Coastal Hazard Assessment).
- Sensitivity Scenario 2: Model outlet constrained by RL3.78 Storm Tide conditions in Mulambin Creek with partial culvert blockage crossing Bluff Crescent, as follows:
 - 50% blockage applied to the existing culvert crossing at Link 12 (including the proposed culvert extension); and
 - 20% blockage applied to the proposed relief culvert crossing Bluff Crescent under the new development access road at Link 7B.

Page **8** of **28**



A blockage assessment was conducted in accordance with ARR (2019) Book 6, Chapter 6: Blockage of Hydraulic Structures to support the culvert blockage assumptions for Sensitivity Scenario 2, which is provided in in **Appendix B**.

2.3.2 Pre-development Model

The pre-development hydraulic model configuration is depicted in **Figure 2-3**. Additional model data used for the analysis is summarised in **Appendix C**.



FIGURE 2-3 PRE-DEVELOPMENT HYDRAULIC MODEL LAYOUT

The swale that traverses the Wildin Way Development along links LNW_1, LNW_6, LNW_4 and LS_2 has been configured adopting the parameters listed in *Table 5 Swale Details* on Page 11 of *Cardno's Wildin Way SMP*. The culvert configurations adopted in the pre-development hydraulic model are summarised in **Table 2-4** below.

TABLE 2-4 PRE-DEVELOPMENT MODEL CULVERT CONFIGURATIONS

CULVERT ID	UPSTREAM IL	DOWNSTREAM IL	LENGTH	SLOPE	NO./SIZE (mm) & TYPE
	(m AHD)	(m AHD)	(m)	(%)	
Link 12 (Left bank)	3.33	3.29	9.76	0.41%	2/900x450 RCBC
Link 12 (Right bank)	3.33	3.29	9.76	0.41%	2/900x300 RCBC
LSS_1	3.43	3.39	12.12	0.33%	4/1200x300 RCBC
LS_1	3.44	3.40	16.93	0.24%	3/1200x450 RCBC
LNW_3	3.55	3.50	14.4	0.35%	4/600x300 RCBC
LN_3	3.55	3.50	20	0.25%	2/600x300 RCBC

Two basin storages within the Wildin Way Development were included in the XP-SWMM model at Node N_3 and NW_4, which have been configured adopting the basin parameters listed in *Table 6 Infiltration Basin Stage-Surface Area Relationships* on Page 12 of *Cardno's Wildin Way SMP*.

Page **9** of **28**



The hydraulic conveyance of the existing swales along Beachside Circuit and Neville Street have been configured in the XP-SWMM model as channel sections derived from the DEM of topographical survey data supplied by Barlow Shelley Consulting Engineers (file reference '2415 super existing tin 250709.dem', received 9/07/2025). The Beachside Circuit swale is represented in Link 01 through to Link 11, and the Neville Street swale is represented in Link 13 through to Link 18. Refer to Figure 2-3 for the locations of the pre-development model links and nodes.

2.3.3 Post-development Model

The swale, basins and culvert crossings that traverse the Wildin Way Development along links LNW_1 through to Link 10 have remained unchanged from the pre-development model configuration described above. The post-development hydraulic model configuration is depicted in **Figure 2-4**. Additional model data used for the analysis is summarised in **Appendix C**.

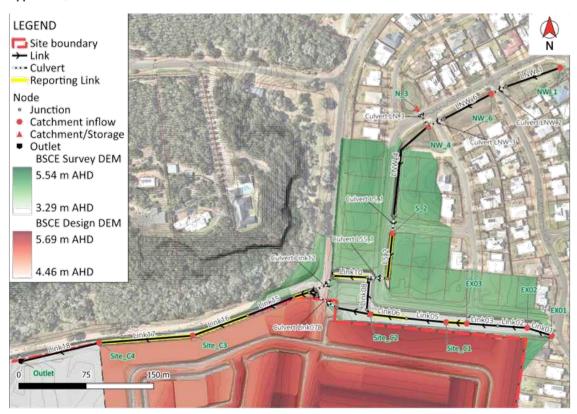


FIGURE 2-4 POST-DEVELOPMENT HYDRAULIC MODEL LAYOUT

The hydraulic conveyance of the swales along Beachside Circuit and Neville Street have been configured in the XP-SWMM model adopting the same channel section locations as the pre-development model. The topography adopted for the post-development model cross sections was derived from the same survey DEM supplied by Barlow Shelley Consulting Engineers (file reference '2415 super existing tin 250709.dem', received 9/07/2025) and was overlaid with the DEM of design surface model for the post-development site (also supplied by Barlow Shelley Consulting Engineers file reference '2415 design tin 250717.dem', received 17/07/2025). As such, the Beachside Circuit swale is represented in Link 01 through to Link 11, and the Neville Street swale is represented in Link 13 through to Link 18. Refer to Figure 2-4 for the locations of the pre-development model links and nodes.

Two additional links, Link 7A and 7B, were added to the post-development model to represent the additional flow path provided by the proposed relief culvert crossing Bluff Crescent (refer Link 7B). This portion of Bluff Crescent is a new access road into the north of the development that provides connectivity through to Portside Drive to the south. The proposed roadworks will lift the minimum crest level of the road crossing at Bluff Crescent by approximately 0.59m and will necessitate culvert extension works to the existing RCBCs (refer Link 12) in addition to the aforementioned relief culvert crossing (refer Link 7B).

Page **10** of **28**



Figure 2-5 below provides an extract of the proposed drainage works by Barlow Shelley Consulting Engineers. For further details, please refer to the full plan of subdivision contained in **Appendix A** of this report.

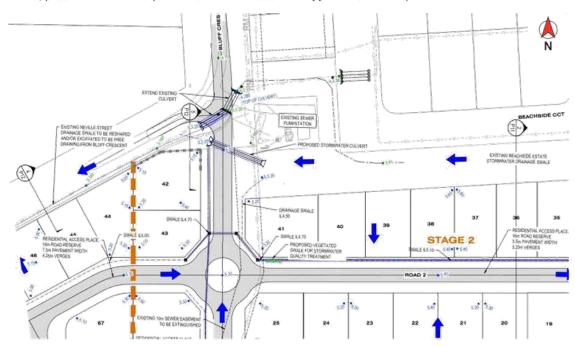


FIGURE 2-5 ROADWORKS AND STORMWATER DRAINAGE PLAN SHEET 2 (BARLOW SHELLEY CONSULTING ENGINEERS DRG. NO. P10 D, 9/04/2025)

The culvert configurations adopted in the post-development hydraulic model are summarised in **Table 2-5** below. Note the RCBCs at Link 12 have increased by 13.45 m in length from 9.76m to 23.21 from pre- to post-development.

TABLE 2-5 POST-DEVELOPMENT MODEL CULVERT CONFIGURATIONS

CULVERT ID	UPSTREAM IL (m AHD)	DOWNSTREAM IL (m AHD)	LENGTH (m)	SLOPE (%)	NO./SIZE (mm) & TYPE
Link 12 (Left bank)	3.33	3.25	23.21	0.34%	2/900x450 RCBC
Link 12 (Right bank)	3.33	3.25	23.21	0.34%	2/900x300 RCBC
LSS_1	3.43	3.39	12.12	0.33%	4/1200x300 RCBC
LS_1	3.44	3.40	16.93	0.24%	3/1200x450 RCBC
LNW_3	3.55	3.50	14.40	0.35%	4/600x300 RCBC
LN_3	3.55	3.50	20.00	0.25%	2/600x300 RCBC
Link 7B	3.37	3.25	24.00	0.50%	2/1200x600 RCBC



3. FLOOD IMPACT ASSESSMENT

This section presents the results of the XP-SWMM hydraulic model for the critical duration storm for the given Annual Exceedance Probability (AEP) event. The critical duration is taken from the ensembles of ten temporal patterns for each storm duration, whereby the storm duration with the highest mean ensemble is considered critical. This is known as the 'Ensemble Method' as prescribed by *Australian Rainfall & Runoff* (ARR, 2019). The modelled hydrology for the site, as described in **Section 2.2** is dynamically routed through the hydraulic model of the site, as described in **Section 2.3**, to inform the flood impact assessment results presented below.

3.1 Comparison of Pre- and Post-Development Peak Flow and Velocity

The XP-SWMM model was used to compare pre- and post-development peak flow and velocity at the lawful point of discharge for the site, taken to be at the downstream end of the Neville Street swale, as summarised from Link 18. The reported peak flows in **Table 3-1** below are taken from the critical duration storm for the given AEP event. Box and whisker plots of these Link 18 results are presented in **Appendix D**.

TABLE 3-1 SUMMARY OF XP-SWMM PEAK FLOWS DOWNSTREAM OF THE SITE (LINK 18)

SCENARIO	DS LINK PEAK DISCHARGE (m³/s)								
DESIGN SCENARIO	63% AEP	39% AEP	18% AEP	10% AEP	5% AEP	2% AEP	1% AEP		
Pre-development	0.871	1.135	1.495	1.724	1.987	2.199	2.532		
Critical Storm Duration & Temporal Pattern (TP)	2-hr, TP04	3-hr, TP01	3-hr, TP01	3-hr, TP04	3-hr, TP04	12-hr, TP09	12-hr, TP09		
Post-development	0.798	1.078	1.425	1.715	2.011	2.308	2.630		
Critical Storm Duration & Temporal Pattern (TP)	2-hr, TP04	2-hr, TP06	2-hr, TP06	3-hr, TP08	3-hr, TP08	6-hr, TP06	6-hr, TP06		
Net Difference	-0.073	-0.057	-0.070	-0.010	0.024	0.109	0.098		
Increase (%)	-8%	-5%	-5%	-1%	1%	5%	4%		

As per the peak flow calculations summarised in **Table 3-1**, there is an increase in stormwater runoff between predevelopment and post-development conditions for the 5%, 2% and 1% AEP critical durations events, and a decrease in runoff for the more frequent AEP events up to and including the 10% AEP. However, given the Neville Street swale discharges directly to Mulambin Creek, no peak flow mitigation is necessary as this will not cause an actionable nuisance to downstream properties or infrastructure.

Despite this, it is necessary to demonstrate that the corresponding flood levels and velocities through the major drainage system do not exacerbate pre-development flood conditions and cause an actionable nuisance. The reported peak velocities in **Table 3-2** below are taken from the critical duration storm for the given AEP event at Link 18.

TABLE 3-2 SUMMARY OF XP-SWMM PEAK VELOCITY DOWNSTREAM OF THE SITE (LINK 18)

SCENARIO		DS LINK PEAK VELOCITY (m³/s)							
DESIGN SCENARIO	63% AEP	39% AEP	18% AEP	10% AEP	5% AEP	2% AEP	1% AEP		
Pre-development	0.359	0.359	0.207	0.273	0.273	0.170	0.180		
Critical Storm Duration & Temporal Pattern (TP)	9-hr, TP10	9-hr, TP04	9-hr, TP04	24-hr, TP04	24-hr, TP07	6-hr, TP08	6-hr, TP08		
Post-development	0.455	0.454	0.349	0.132	0.267	0.267	0.349		
Critical Storm Duration & Temporal Pattern (TP)	18-hr, TP10	12-hr, TP04	24-hr, TP08	24-hr, TP01	12-hr, TP09	24-hr, TP09	18-hr, TP06		
Net Difference	0.096	0.095	0.142	-0.141	-0.006	0.097	0.169		

Given the swale adjacent to the site has a very flat grade of less than 0.1%, with a total fall of approximately 0.6 metres over a length of approximately 650 metres, peak flow velocity impacts are not an issue for this development. As evidenced in **Table 3-2** above, despite there being small increases in peak velocity, the magnitudes of these velocities both pre- and post-development are less than 0.5 m/s for all events. This is below the velocity that would be required to scour out the established vegetation within and surrounding the periphery of the existing swale. According to QUDM (2017) *Table 8.7.1 Typical bank scour velocities*, even poorly vegetated banks require velocities in excess of 1.0 m/s to cause scour, while the scour velocity for well vegetated banks with erosion resistant soils is 2.0 m/s or more. As such, the small impact does not constitute an adverse impact, and is therefore considered acceptable.

Page **12** of **28**



The following section demonstrates that while the development will increase the magnitude and volume of 1% AEP peak flow runoff between pre-development and post-development conditions, this increase has been managed through the proposed major drainage system design such that there are no adverse impacts to adjacent properties and infrastructure due to flood level increase.

3.2 Comparison of Pre- and Post-Development Peak Flood Levels

This analysis of flood levels was undertaken for the design scenario and two additional sensitivity scenarios for the 1% AEP Defined Flood Event as defined in the Livingstone Planning Scheme 2018, Version 4, Schedule 5. Standards for flood resiliency.

3.2.1 Design Scenario (Free outlet conditions)

As described in **Section 2.3.1**, the design scenario adopts free draining outlet conditions to Mulambin Creek from the Neville Street swale and is considered to be normal operating conditions for the major drainage system for the site.

The following **Table 3-3** presents a comparison of the pre- and post-development peak flood levels along the watercourse at select locations for the Design Scenario, including:

- The downstream end of the swale that traverses the Wildin Way Development (Link LS 2).
- The Beachside Circuit swale (Link 01 to Link 10).
- The Bluff Circuit Culverts (Link 12).
- The Neville Street swale adjacent to the proposed development (Link 14 to Link 17)

TABLE 3-3 COMPARISON OF PRE- AND POST-DEVELOPMENT PEAK FLOOD LEVELS FOR THE DESIGN SCENARIO

SCENARIO	1% AEP PEAK FLOOD LEVELS (m AHD)								
DESIGN SCENARIO	LINK LS_2	LINK 01	LINK 04	LINK 06	LINK 10	LINK 12	LINK 14	LINK 16	LINK 17
Pre-development Critical Storm Duration & Temporal Pattern (TP)	4.596 6-hr, TP10	4.506 6-hr, TP10	4.506 6-hr, TP10	4.505 6-hr, TP10	4.504 6-hr, TP10	4.296 6-hr, TP10	4.267 6-hr, TP10	3.657 12-hr, TP09	3.330 12-hr, TP09
Post-development Critical Storm Duration & Temporal Pattern (TP)	4.573 6-hr, TP10	4.476 6-hr, TP10	4.476 6-hr, TP10	4.476 6-hr, TP10	4.476 6-hr, TP10	4.389 6-hr, TP10	4.301 6-hr, TP10	3.694 12-hr, TP09	3.279 6-hr, TP06
Net Difference	-0.023	-0.030	-0.030	-0.030	-0.029	0.093	0.034	0.038	-0.052

The results indicate that flood conditions are slightly improved along the waterway adjacent to Beachside Circuit upstream of the Bluff Crescent culvert crossing by up to 30 mm post-development. This can be attributed to the proposed 2/1200x600 RCBC relief culvert crossing Bluff Crescent. Post-development flood levels improve the 1% AEP freeboard to the existing lots along Beachside Circuit within the Wildin Way development, which have surveyed floor levels at or above 4.8 m AHD. There is an existing Sewer Pump Station (SPS) upstream of the culvert crossings (refer Link 06 to the south and Link 10 to the north of the SPS) with a surveyed level of 4.02 m AHD that does not have flood immunity to the 1% AEP levels both pre- and post-development.

The largest post-development flood impact is at the Bluff Circuit Culverts (Link 12) where 1% AEP flood levels increase by 0.093 metres from \sim 4.30 m AHD to \sim 4.39 m AHD. This can be attributed to the proposed roadworks at Bluff Crescent that lift the minimum crest level by approximately 0.59m from \sim 4.02 m AHD to 4.61 m AHD, as well as the associated culvert extension works to the existing RCBCs (refer Link 12). This increase is localised to the existing culvert headwall and does not constitute an actionable nuisance to the adjacent properties or infrastructure.

Flood impacts to the Neville Street swale adjacent to the proposed development (Link 14 to Link 17) are less than 40 millimetres and flooding is contained within the swale without impacting the trafficability of Neville Street. At Link 14, the building pad for Lot 42 within Stage 2 of the proposed development fills up to a retaining wall along the northern property boundary. This retaining wall partially fills the left overbank of the existing Neville Street swale. This loss of swale conveyance area at Lot 42 is attributable to the 34 to 38 millimetres of flood afflux at Link 14 and 16, respectively. However, at Link 14 Neville Street has an edge of shoulder level of ~4.3 m AHD, and further downstream towards the western end of the proposed development (Links 16 and 17) Neville Street has a consistent edge of shoulder level of approximately 3.90 m AHD. As such, the modelled peak 1% AEP flood level results presented in **Table 3-3** demonstrate

Page **13** of **28**



no adverse impact to Neville Street. A full suite of model outputs for all modelled AEP events and Ensembles is provided for the Design Scenario for pre-development conditions in **Appendix E** and for post-development conditions in **Appendix F**.

3.2.2 Sensitivity Scenario 1 (Storm tide conditions)

As described in **Section 2.3.1**, Sensitivity Scenario 1 adopts a tailwater constrained model outlet whereby the downstream boundary condition is a flood level of RL3.78 m AHD to represent Storm Tide conditions in Mulambin Creek as described in *the Burchills Coastal Hazard Assessment*.

The following **Table 3-4** presents a comparison of the pre- and post-development peak flood levels along the watercourse at select locations for Sensitivity Scenario 1 (SS1).

- The downstream end of the swale that traverses the Wildin Way Development (Link LS_2).
- The Beachside Circuit swale (Link 01 to Link 10).
- The Bluff Circuit Culverts (Link 12).
- The Neville Street swale adjacent to the proposed development (Link 14 to Link 17).

TABLE 3-4 COMPARISON OF PRE- AND POST-DEVELOPMENT PEAK FLOOD LEVELS FOR SS1

SCENARIO	1% AEP PEAK FLOOD LEVELS (m AHD)								
SENSITIVITY SCENARIO 1	LINK LS_2	LINK 01	LINK 04	LINK 06	LINK 10	LINK 12	LINK 14	LINK 16	LINK 17
Pre-development Critical Storm Duration & Temporal Pattern (TP)	4.617 6-hr, TP10	4.523 6-hr, TP10	4.523 6-hr, TP10	4.523 6-hr, TP10	4.522 6-hr, TP10	4.325 6-hr, TP10	4.298 6-hr, TP10	3.888 12-hr, TP09	3.783 12-hr, TP10
Post-development Critical Storm Duration & Temporal Pattern (TP)	4.600 6-hr, TP10	4.502 6-hr, TP10	4.502 6-hr, TP10	4.502 6-hr, TP10	4.502 6-hr, TP10	4.414 6-hr, TP10	4.336 6-hr, TP10	3.915 6-hr, TP10	3.781 12-hr, TP09
Net Difference	-0.017	-0.022	-0.022	-0.022	-0.021	0.089	0.039	0.026	-0.002

Similar to the Design Scenario results described in **Section 3.2.1** above, the Sensitivity Scenario 1 results indicate that flood conditions are slightly improved along the waterway adjacent to Beachside Circuit, and that post-development flood levels improve the 1% AEP freeboard to the existing lots along Beachside Circuit within the Wildin Way development, which have surveyed floor levels at or above 4.8 m AHD.

Again, similarly to the Design Scenario, the Sensitivity Scenario 1 flood impacts to the Neville Street swale adjacent to the proposed development (Link 14 to Link 17) are less than 40 millimetres and flooding is contained within the swale without impacting the trafficability of Neville Street. At Link 14 Neville Street has an edge of shoulder level of ~4.3 m AHD, and further downstream towards the western end of the proposed development (Links 16 and 17) Neville Street has a consistent edge of shoulder level of approximately 3.90 m AHD. As such, the modelled peak 1% AEP flood level results presented in **Table 3-4** demonstrate no adverse impact to the trafficability of Neville Street during peak storm tide conditions.

3.2.3 Sensitivity Scenario 2 (Storm tide and culvert blockage conditions)

As described in **Section 2.3.1**, Sensitivity Scenario 2 assesses the flood impacts of partially blocking the culvert(s) crossing Bluff Crescent, in addition to the tailwater constrained outlet conditions described for Sensitivity Scenario 1. The blockage factors applied for Sensitivity Scenario 2 are summarised as follows;

- Pre-development conditions: the culvert crossing Bluff Crescent is 9.76m long comprising a bank of 2/900x450 RCBCs and 2/900x300 RCBCs (Link 12), which has a 50% blockage reduction applied.
- Post-development conditions: the proposed Bluff Crescent roadworks will lift the minimum road crest level by approximately 0.59m and will necessitate a 13.45m culvert extension to the existing RCBCs (Link 12) in addition to the proposed 24m long relief culvert comprising 2/1200x600 RCBCs (Link 7B), both crossing Bluff Crescent. The adopted blockage factors are:
 - 50% blockage applied to the extended culvert crossing at Link 12; and

Page 14 of 28



20% blockage applied to the proposed relief culvert crossing Bluff Crescent under the new development access road at Link 7B.

These culvert blockage factors were derived from a blockage assessment in accordance with ARR (2019) Book 6, Chapter 6: Blockage of Hydraulic Structures, which is provided in in Appendix B.

The following **Table 3-5** presents a comparison of the pre- and post-development peak flood levels along the watercourse at select locations for Sensitivity Scenario 2.

- The downstream end of the swale that traverses the Wildin Way Development (Link LS_2).
- The Beachside Circuit swale (Link 01 to Link 10).
- The Bluff Circuit Culverts (Link 12).
- The Neville Street swale adjacent to the proposed development (Link 14 to Link 17).

TABLE 3-5 COMPARISON OF PRE- AND POST-DEVELOPMENT PEAK FLOOD LEVELS FOR SS2

SCENARIO	1% AEP PEAK FLOOD LEVELS (m AHD)								
SENSITIVITY SCENARIO 2	LINK LS_2	LINK 01	LINK 04	LINK 06	LINK 10	LINK 12	LINK 14	LINK 16	LINK 17
Pre-development Critical Storm Duration & Temporal Pattern (TP)	4.723 6-hr, TP10	4.621 6-hr, TP10	4.621 6-hr, TP10	4.621 6-hr, TP10	4.620 6-hr, TP10	4.343 6-hr, TP10	4.313 6-hr, TP10	3.818 12-hr, TP02	3.782 12-hr, TP02
Post-development Critical Storm Duration & Temporal Pattern (TP)	4.625 6-hr, TP10	4.532 6-hr, TP10	4.532 6-hr, TP10	4.532 6-hr, TP10	4.533 6-hr, TP10	4.346 6-hr, TP10	4.253 6-hr, TP10	3.902 6-hr, TP06	3.781 12-hr, TP09
Net Difference	-0.098	-0.089	-0.089	-0.088	-0.088	0.003	-0.059	0.085	-0.001

Similar to the Design Scenario results described in **Section 3.2.1** above, the Sensitivity Scenario 2 results indicate that post-development flood levels improve the 1% AEP freeboard to the existing lots along Beachside Circuit within the Wildin Way development, which have surveyed floor levels at or above 4.8 m AHD.

The Sensitivity Scenario 2 results demonstrate that during a combined storm tide event with local 1% AEP flooding and partial culvert blockage, peak flood levels are almost ~60 millimetres higher than the Design Scenario for post-development conditions along the Beachside Circuit swale upstream of the Bluff Crescent culvert crossings. Freeboard to the surveyed floor levels within the existing lots along Beachside Circuit within the Wildin Way development is less than 300 millimetres when culvert blockage is considered. As such, it is recommended that the culvert inlets to both the existing culvert crossing and the proposed 2/1200x600 RCBC crossing Bluff Crescent are fitted/retrofitted with debris deflectors to mitigate blockage potential. Examples of debris deflectors at culverts are provided in Figures 6.6.3 & 6.6.4 ARR (2019) Book 6, Chapter 6. Furthermore, during detailed design of the Bluff Crescent realignment works, the minimum road crest level allowing relief flow over the road in severe flooding and blockage events should be set as low as possible, and no higher than 4.61 m AHD proposed by Barlow Shelley Consulting Engineers in their latest design.

The upstream invert of the existing Bluff Crescent culvert (Link 12) is 3.33 m AHD, giving a peak headwater depth at the culvert inlet of over a metre. Given the small existing culvert heights (300 mm & 450 mm) relative to headwater depth, there is likely to be orifice flow conditions that create a siphoning effect into the inlet of the culvert which poses a safety hazard to the public, and particularly small children. As such, it is further recommended that measures are taken to restrict access to this culvert inlet, such as safety screens, fencing, and/or signage to warn the public of the potential risks during flood events. It is noted that this is an existing issue that is not exacerbated by the proposed development, and that it should be the responsibility of Council to take the proper precautions.

The Sensitivity Scenario 2 flood impacts to the Neville Street swale adjacent to the proposed development are improved by almost 60 millimetres at Link 14 and worsened by 85 millimetres at Link 16, however flooding is contained within the swale without impacting the trafficability of Neville Street. At Link 14 Neville Street has an edge of shoulder level of $^4.3$ m AHD, and further downstream towards the western end of the proposed development (Links 16 and 17) Neville Street has a consistent edge of shoulder level of approximately 3.90 m AHD. As such, the modelled peak 1% AEP flood level results presented in **Table 3-5** demonstrate no adverse impact to the trafficability of Neville Street during peak storm tide conditions.

Page **15** of **28**



4. CONCLUSIONS AND RECOMMENDATIONS

The flood impact assessment presented in this report has been carried out in accordance with QUDM (2017) and ARR (2019) and the results, derived from hydrologic and hydraulic modelling in XP-SWMM, demonstrate compliance with the Livingstone Planning Scheme 2018, Version 4, Schedule 5. Standards for flood resiliency, Schedule 7.6. Flood hazard planning scheme policy and Section 8.2.7 Flood hazard overlay code.

The key conclusions and recommendations discussed within this report are summarised as follows

- Post-development flood levels improve the 1% AEP freeboard to the existing lots along Beachside Circuit within the Wildin Way development, which have surveyed floor levels at or above 4.8 m AHD.
- Post-development flood conditions have no adverse impact to the trafficability of Neville Street in all model scenarios, including during peak storm tide conditions.
- The proposed development shall adopt a minimum earthworks pad level of 5.0 m AHD for proposed lots, with a minimum building slap thickness of 0.2 metres.
- During detailed design of the Bluff Crescent realignment works, the minimum road crest level allowing relief flow over the road in severe flooding and blockage events should be set as low as possible, and no higher than 4.61 m AHD proposed by Barlow Shelley Consulting Engineers in their latest design.
- The proposed development shall limit the volume of fill within the Neville Street swale left overbank with retaining walls along the northern development boundary, as proposed by Barlow Shelley Consulting Engineers in their latest design.
- It is recommended that the culvert inlets to both the existing culvert crossing and the proposed 2/1200x600 RCBC crossing Bluff Crescent are fitted/retrofitted with debris deflectors to mitigate blockage potential.
- Given the small existing culvert heights (300 mm & 450 mm) relative to headwater depth crossing Bluff Crescent, there is likely to be orifice flow conditions that create a siphoning effect into the inlet of the culvert which poses a safety hazard to the public, and particularly small children. This is an existing issue that is not exacerbated by the proposed development, and Council is expected to take the proper precautions, such as safety screens, fencing, and/or signage.

Date: 21-07-2025

4.1 Certification

This report and associated calculations have been prepared by Daniel Yates (RPEQ 28333).

y). 4 de

Signature:

Page 16 of 28



APPENDIX A

CIVIL ENGINEERING PLANS OF PROPOSED DEVELOPMENT, REV E, JULY 2025 (BARLOW SHELLEY CONSULTING ENGINEERS)

Page 17 of 28

APPLICATION FOR RECONFIGURATION OF A LOT (1 INTO 77) AT 1-41 NEVILLE STREET, MULAMBIN, QLD 4703 LOT 2 ON RP617670 FOR RED EMPEROR PTY LTD JOB No. 2415





SCHEDULE OF DRAWINGS

DWG	DESCRIPTION
2415 - P01	LOCALITY PLAN AND SCHEDULE OF DRAWINGS
2415 - P02	OVERALL LAYOUT AND KEY PLAN
2415 - P03	PLAN OF DEVELOPMENT SHEET 1
2415 - P04	PLAN OF DEVELOPMENT SHEET 2
2415-P05	PLAN OF DEVELOPMENT (AERIAL IMAGE) SHEET 1
2415 - P06	PLAN OF DEVELOPMENT (AERIAL IMAGE) SHEET 2
2415 - P07	ROAD HIERARCHY PLAN SHEET 1
2416 - P08	PROPOSED TYPICAL ROAD GROSS SECTIONS
2415 - F09	ROADWORKS AND STORMWATER DRAINAGE PLAN SHEET 1
2415 - P10	ROADWORKS AND STORMWATER DRAINAGE PLAN SHEET 2
2415-P11	TYPICAL SITE CROSS SECTIONS SHEET 1
2415 - P12	TYPICAL SITE CROSS SECTIONS SHEET 2

PROPERTY DESCRIPTION

LOT 2 ON RP617670 1-41 NEVILLE STREET, MULAMBIN, QLD 4703 SITE AREA = 10.03 Ha DEVELOPMENT AREA = 6.92 Ha

THESE PLANS HAVE SEEN PREPARED FOR A MATERIAL CHANGE OF USE APPLICATION CHEY AND ARE NOT SHITTARE FOR SUBMISSION WITH ANY OTHER COUNCIL APPLICATION.

TIVE DE DITAL BASED ON.

TIELD SURVEY BY CAPAICORN SURVEY GROUP CO
WIGHE REPERS DATES 7204-2024

NOTE:
THE DESIGN DIAMNINGS HAVE SEEN PREPARED FROM THRO HARTY INFORMATION RECEIVED FROM THE FOLLOWING CONSIDERATION DIAMNINGS CONSTRUCTION TO ENSURE COMPLIANCE WITH CURRENT IMPRING CROSS HEIGHT DATUMS AND BUILDING SCHOOLS CAPROON MATTER COMPLIANCE WITH CURRENT IMPRING CROSS HEIGHT DATUMS AND BUILDING SCHOOLS CAPROON MATTER COMPLIANCE WITH CURRENT IMPRING CROSS HEIGHT DATUMS AND BUILDING SCHOOLS CAPROON MATTER COMPLIANCE WITH CURRENT IMPRINGS CAPROON MATTER COMPLIANCE WITH CURRENT WITH CONTROL OF THE COMPLIANCE WITH CONTROL OF THE CONTROL OF

l									
	REV	DATE	DESCRIPTION	BY	СНКВ	DETA	AILS	SCALE	APPROVED
ł	A	25.06.24	FOR APPROVAL	EC.	CS				and an
Н	8	03.07.24	FOR APPROVAL	EC	CS	DATUM	AHD		.7 11.11.
1	C	19.89.24	COUNCIL (SARA REI RESPONSE	TW	TB	DESIGN	os	12500 50 0 50 100 At	Domy Lacour
9	D	28.10.24	RFI RESPONSE	EC	CS			1500 000 000	
H	E	09.01.25	FURTHER ADVICE RESPONSE (10/03/25)	100	CS	DRAWN	EC		Director: TONY SMELLEY
						DESIGN CHECK	TB		(RPEQ 7736)
						DATE	26-08-24	This drawing is not to be copied as amended without written permission from fluvior Shinkly Famulating Engineers	FOR APPROVAL

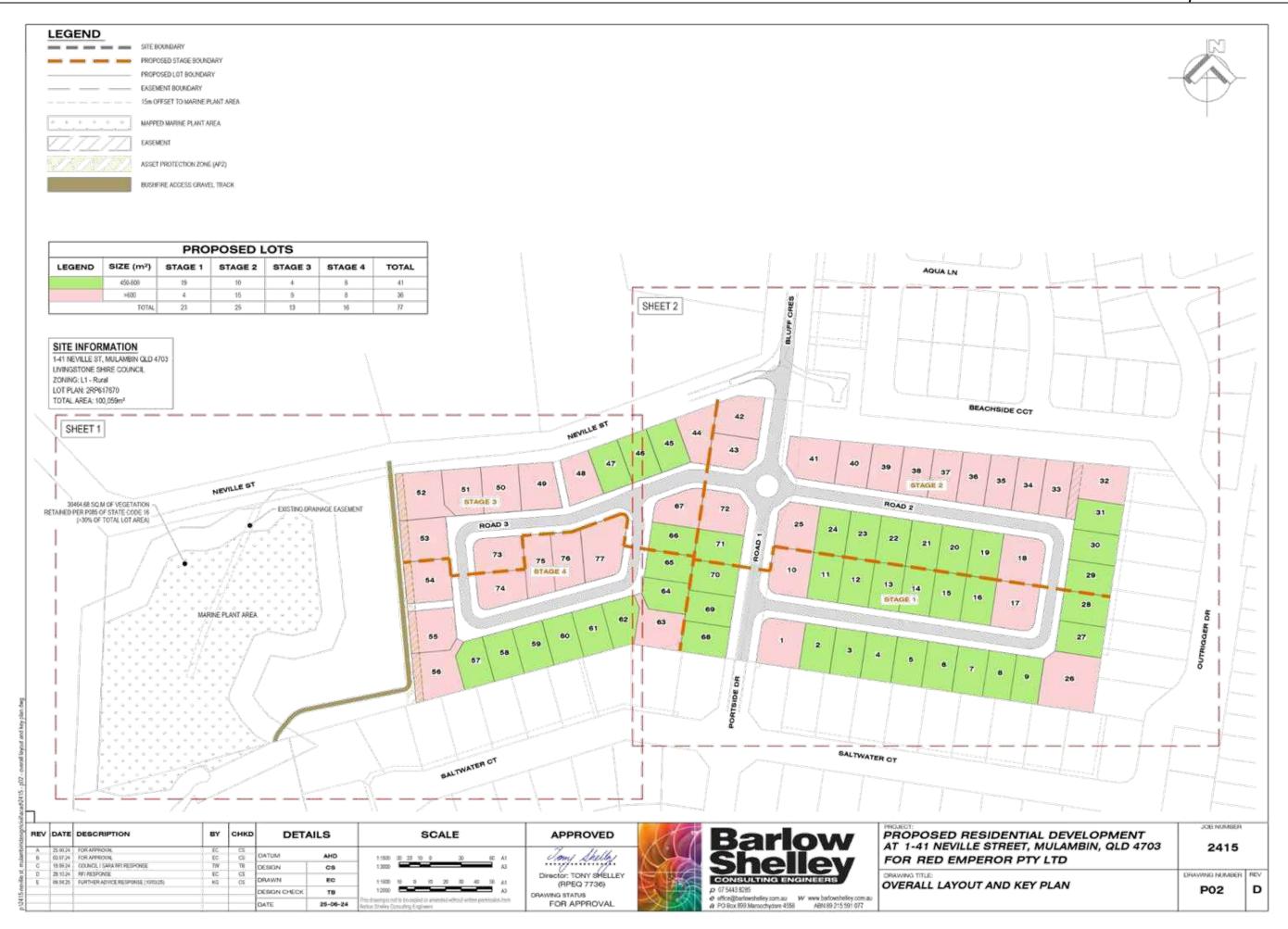


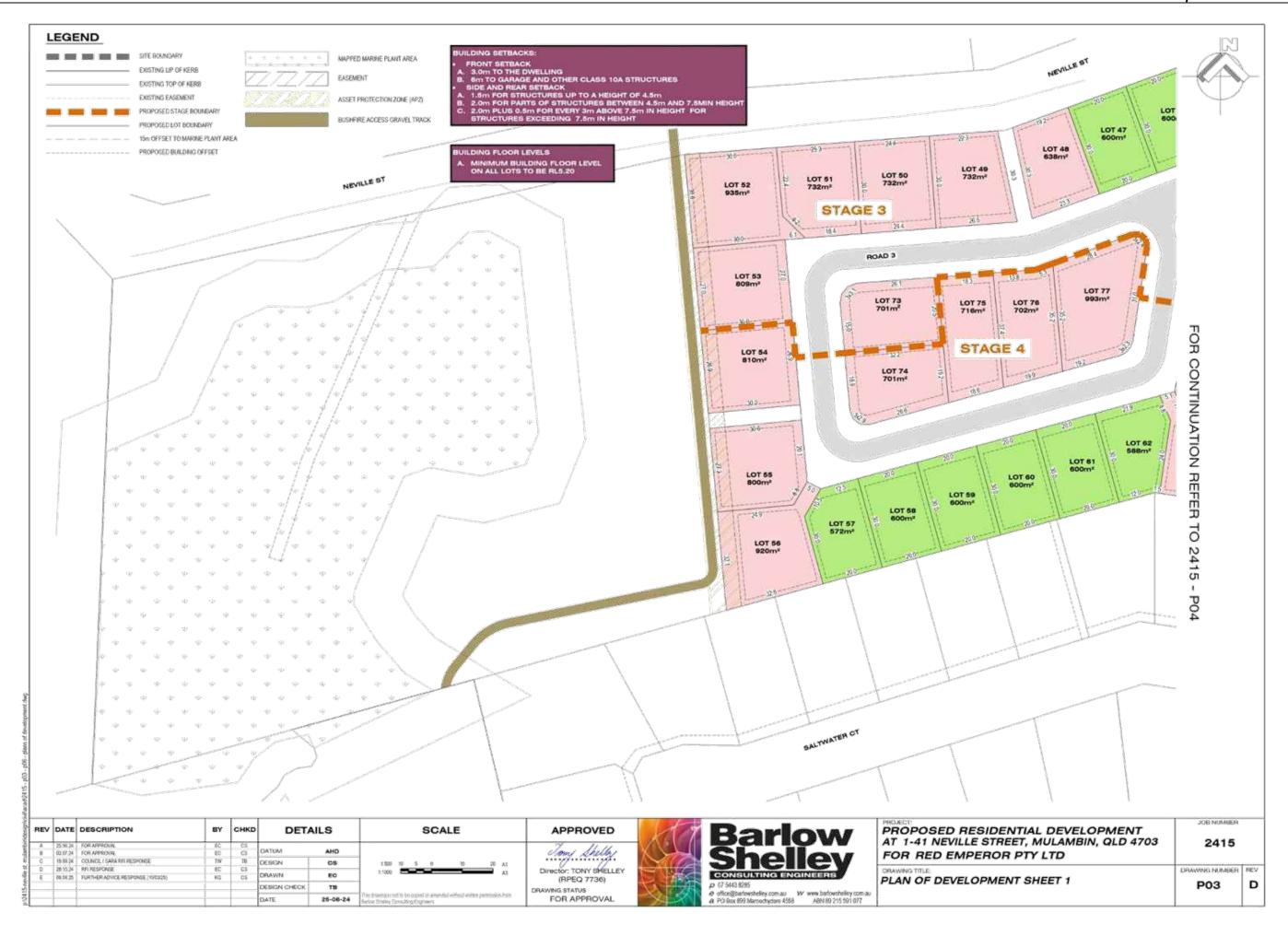
PROPOSED RESIDENTIAL DEVELOPMENT
AT 1-41 NEVILLE STREET, MULAMBIN, QLD 4703
FOR RED EMPEROR PTY LTD

LOCALITY PLAN AND SCHEDULE OF DRAWINGS

2415

PO1 E

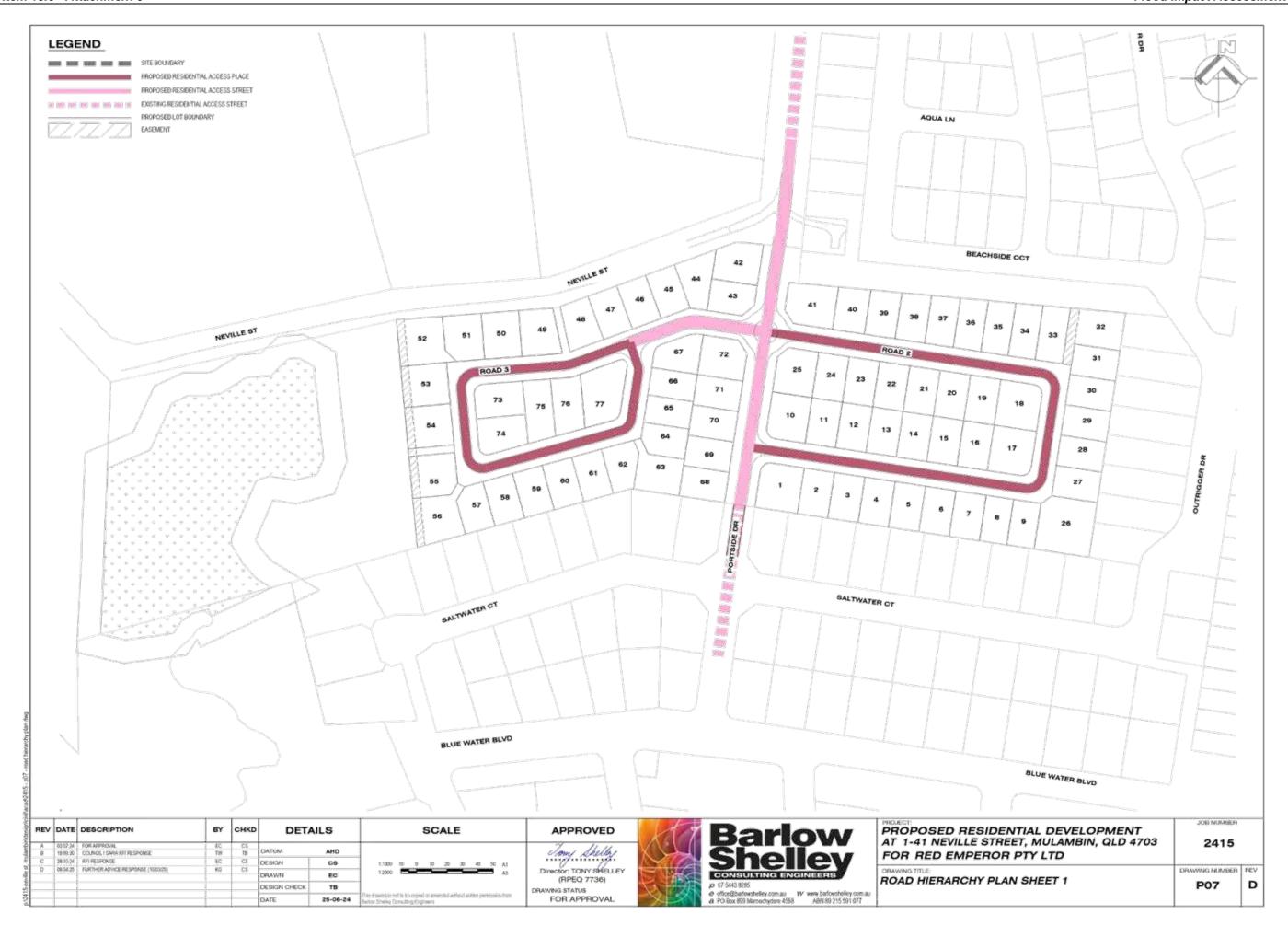


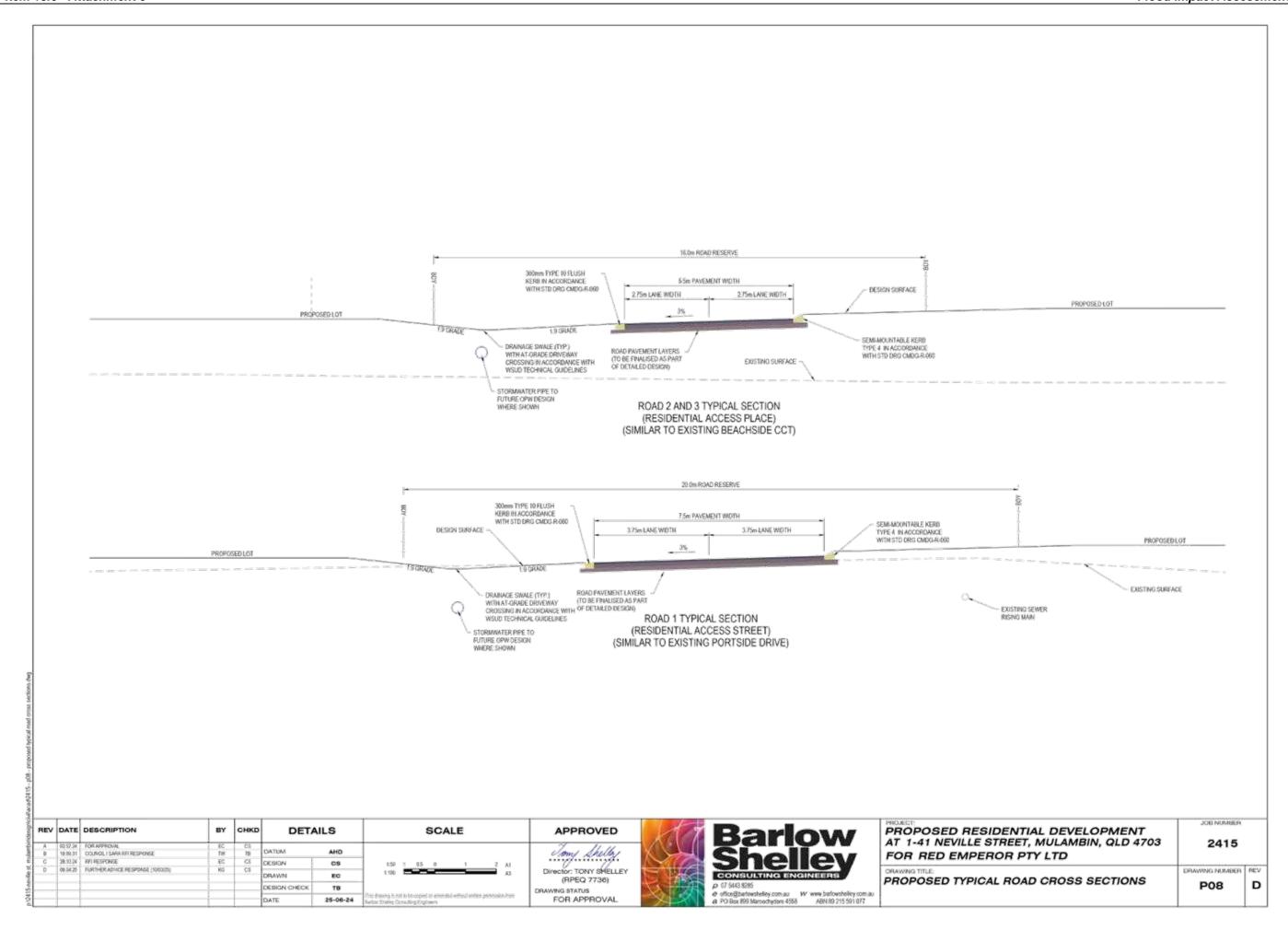


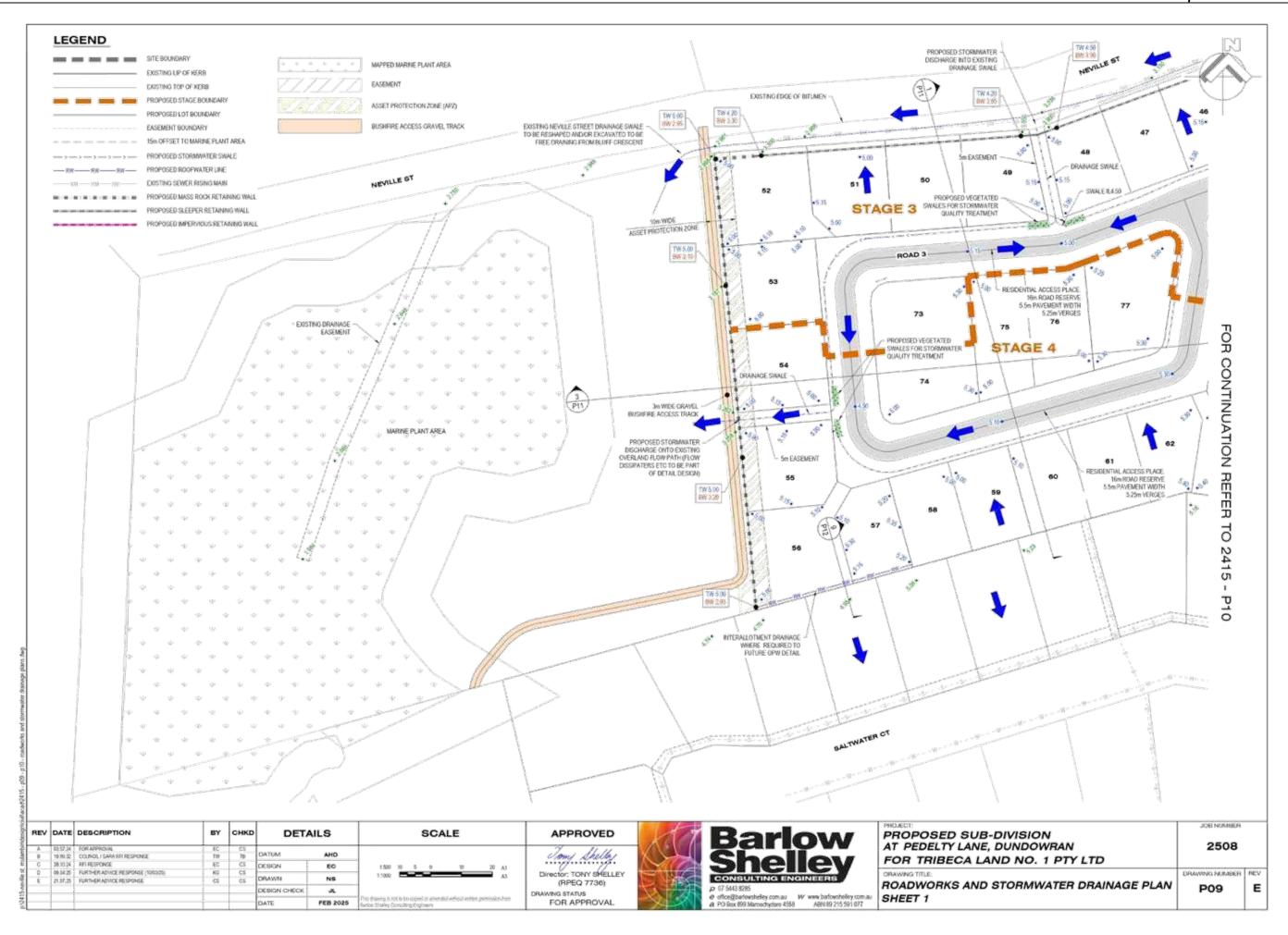


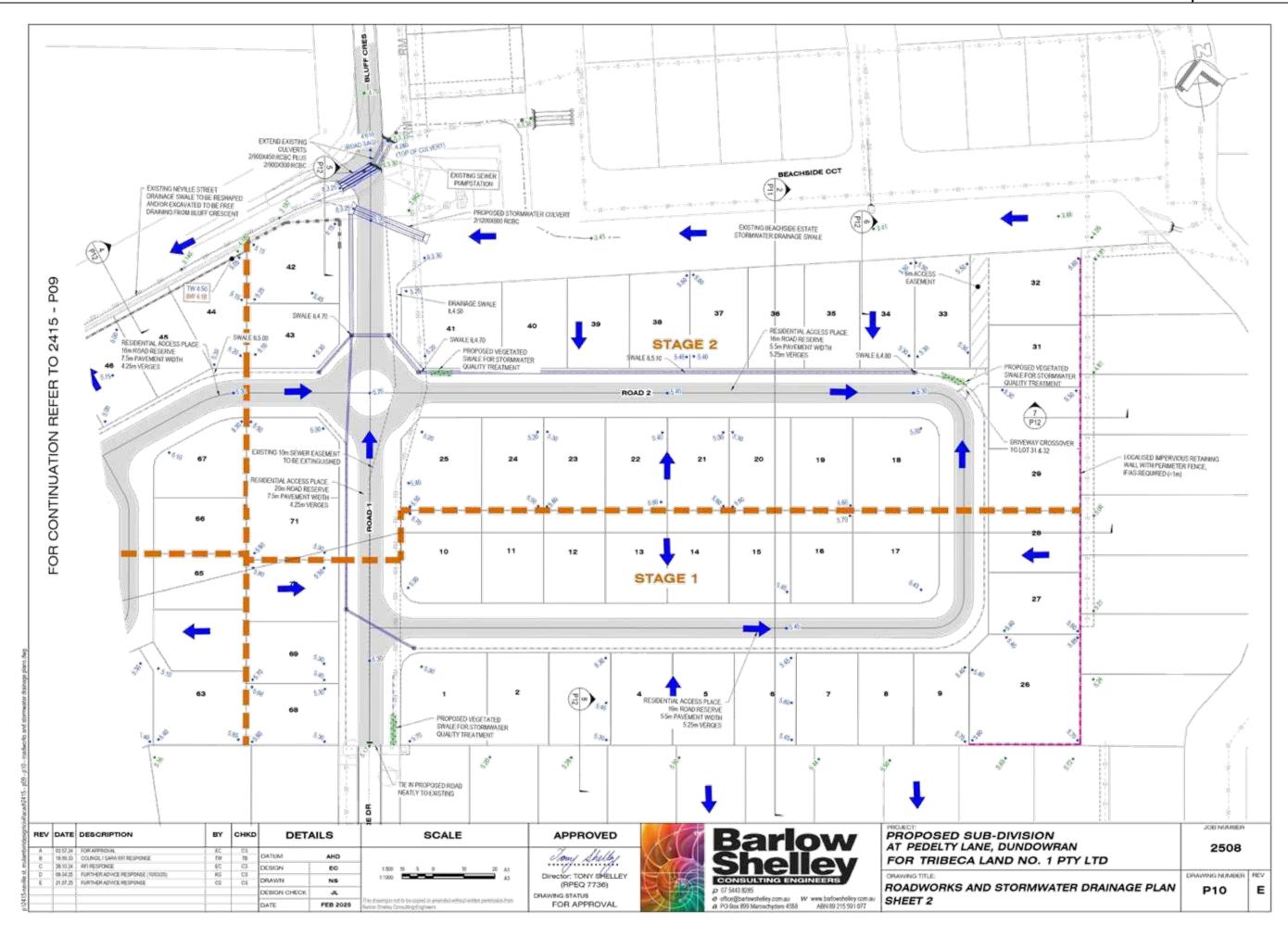


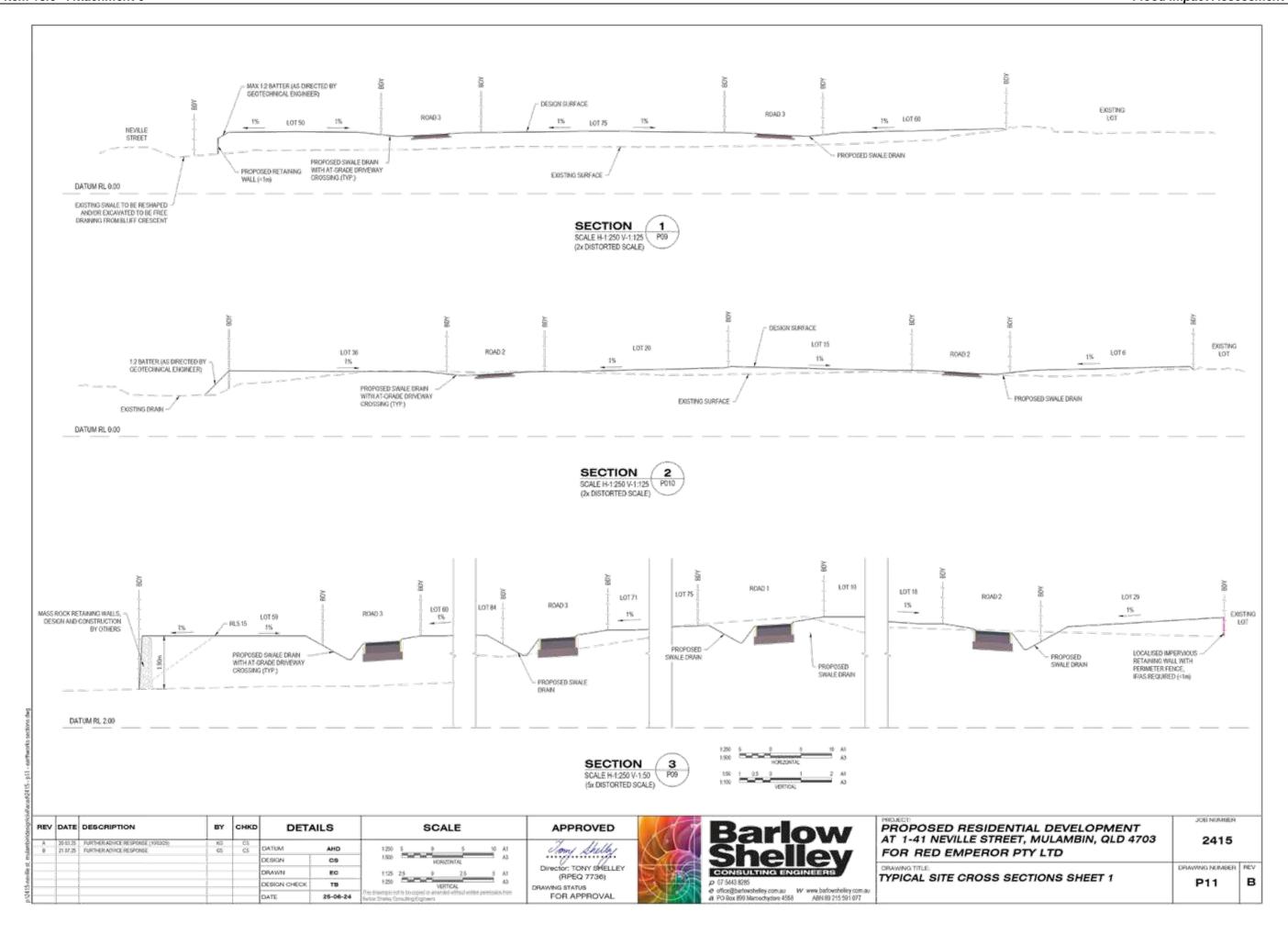


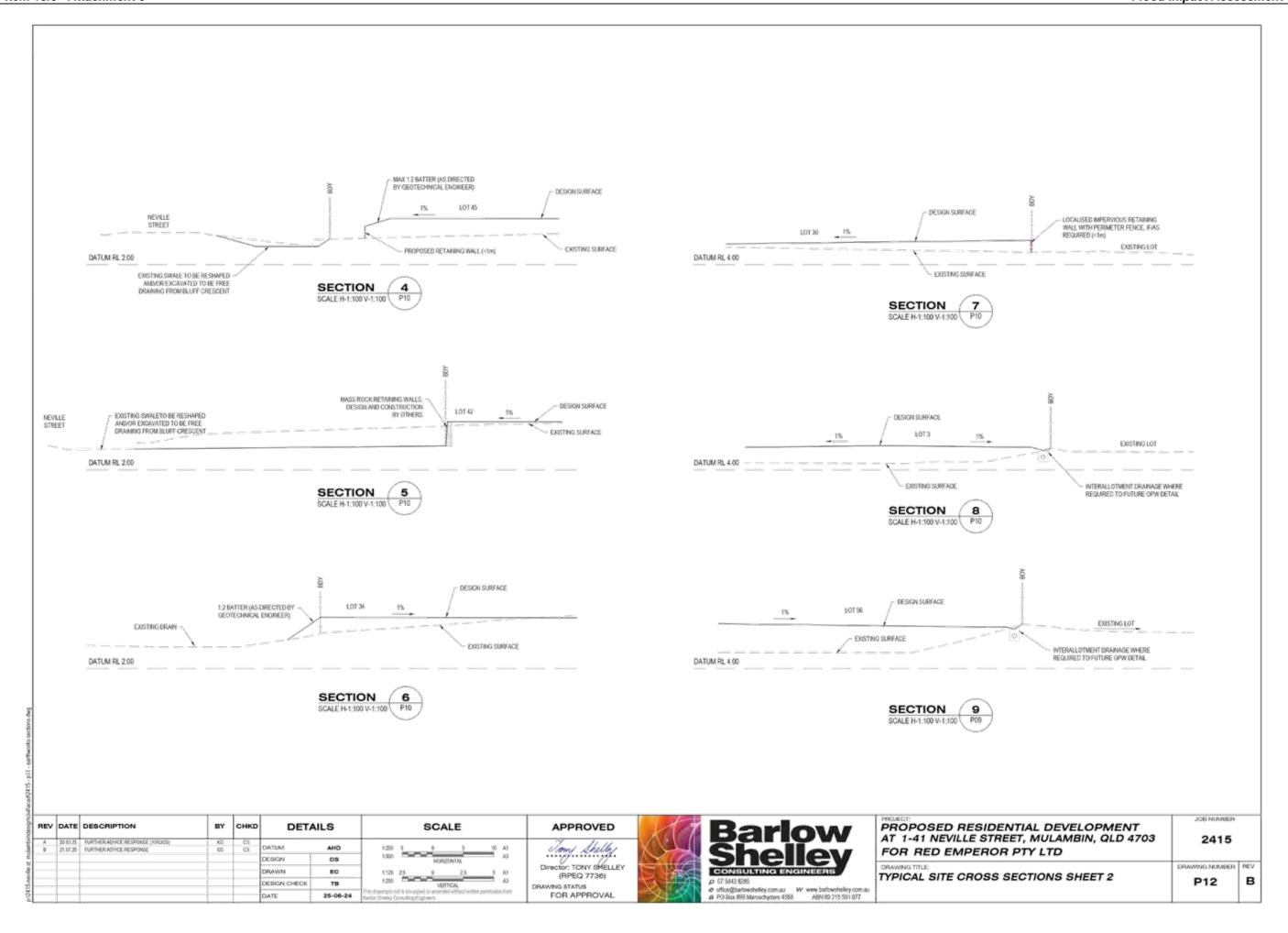














APPENDIX B

CULVERT BLOCKAGE ASSESSMENT IN ACCORDANCE WITH ARR (2019) BOOK 6, CHAPTER 6: BLOCKAGE OF HYDRAULIC STRUCTURES

ARR Blockage Assessment (1% AEP) - Bluff Cct, Mulambin



File: https://d.docs.live.net/16b78c49b001bf2c/Documents/20250705_1-41_NevilleSt_Mulambin/XP/[Book4.xisx]Blockage Assessmen

Date: 20/07/2025 Job: 25-0703

Culvert/Bridge ID	Structure Dimensions (No. x Width x Height)	MANUFACTURE CONTRACTOR	(Average Length of	Maximum Flow Depth in Upstream Channel (m)	Upstream Steam	Debris Availability (Table 6.6.1) (High/Medium/Low)	Debris Mobility (Table 6.6.2) (High/Medium/Low)	Debris Transportability (Table 6.6.3) (High/Medium/Low)	1% AEP Debris Potential (Table 6.6.4) (High/Medium/Low)	(Table 6.6.5)	Most Likely Inlet Blockage Levels (%) (Table 6.6.6)	Blockage (%)	Comment
BluffCul1 (Link12)	2×0.9×0.45	<1m/s	1	1.1	15	Medium	Low	High	Medium	Medium	50	50.00	Urban debris, including building materials, mattresses, garbage bins, large industrial
BluffCul1 (Link12)	2×0.9×0.3	<1m/s	1	1.1	15	Medium	Low	High	Medium	Medium	50	50.00	containers and vehicles, urban refuse, fences, sheds and the like, swept into streams by overland flows or overbank flows associated with flooded swales (Rigby and Silveri, 2001)
SPS_Cul6 (Link 7B)	2×1.2×0.6	<1m/s	1	1.2	28	Medium	Medium	High	High	High	20	20.00	

*Note - This Assessment has been undertaken in accordance with Australian Rainfail and Runoff, Book 6, Chapter 6: Blockage of Hydraulic Structures (2019, Version 4.1).

Table 6.6.1. Debris Availability - in Source Area of a Particular Type Size of Debris

Table 6.8.2. Debris Mobility - Ability of a Particular Type-Gine of Debris to be Moved into Gineans

and Reaction	Typical Source Area Characteristics (1% AEP Event)
High	 Eltrop source areas with fast response times and high annual runfal and/or storm intensities and/or source areas subject to high rainfall intensities with sponse regetation cover.
	- Receiving streams that frequently evenop their banks.
	 Main debris source areas stose to streams.
Mediam	 Source areas generally falling between the High and Low mobility categories.
1.00	Low rainfall intensities and large, flat source areas.
	- Receiving streams infrequently overtips their backs.
	 Main debris source areas well away from streams.

Table 5.6.6. Most Likely Inlet Blockage Levels - D_{OER}%

Control Dimension Intel Clear Wilth (W)	AEP Adjusted	Detrits Fotentia	At Street.
See Beautiful and the state	High	Median	Low
W <lg< td=""><td>100%</td><td>50%</td><td>25%</td></lg<>	100%	50%	25%
L10,4 W 4 5 L10	20%	10%	0/%
W+3'L ₀	10%	0%	1%

Table 6.6.3. Debris Transportability - Ability of a Stream to Transport Debris Down to the

High	- Steep bed slopes (= 2%) and/or high stream velocity (V = 2.5 m/s)
	- Deep stream relative to vertical debric dimension (D > 0.5L _{ml})
	- Wide stream relative to horizontal debris stimension (W \times L $_{\rm eq}$)
	Stream relatively straight and ther of major constitutions or sneg points
	High temporal variability is maximum stream flows.
Medium	 Stream generally falling between High and Low categories.
Low	 First tied slopes (+ 1%) and/or low sheam velocity (V + 1m/s).
	 Chadov depth relative to vertical debris dimension (0 < 0.5L_m).
	. Narrow stream relative to horizontal decide dimension (W = $L_{\rm SS}$
	Stream meanours with hequest construtions/anag ports.
	Low temporal variability in maximum stream flows.

Table 6.6.4. 1% AEP Debris Potential

assilication C	combinations of the Above (any ord
High	HHH or HHM
Mediam	MMM or HML or HMM or HLL
Low	LLL or MML or MLL

Table 6.5.5. AEP Adjusted Debris Potential

Event AEP	(1% AEP) Debels Potential at Structur					
	High	Medium	Low			
AEP HS%	Medium	Low	Low			
AEP 5% - AEP 0.5%	High	Medium	Low			
AEP < 0.5%	Hon	High	Medium			

JULY 2025

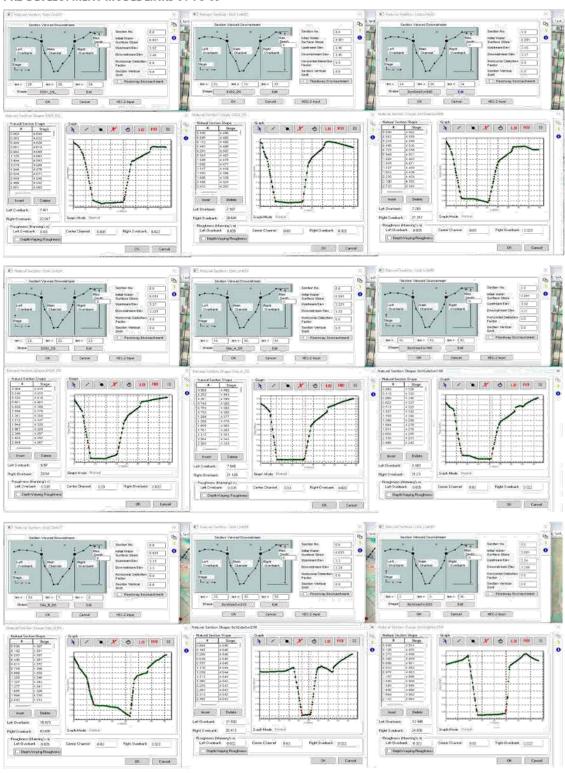


APPENDIX C

25-0703.FIA-01A

ADDITIONAL XP-SWMM MODEL DATA

PRE-DEVELOPMENT MODEL LINKS 01 TO 09



Page 19 of 28