Part 4 Local government infrastructure plan

4.1 Preliminary

(1) This local government infrastructure plan has been prepared in accordance with the requirements of the Planning Act 2016.

(2) The purpose of the local government infrastructure plan is to:

- (a) integrate infrastructure planning with the land-use planning identified in the planning scheme
- (b) provide transparency regarding a local government's intentions for the provision of trunk infrastructure
- (c) enable a local government to estimate the cost of infrastructure provision to assist its long-term financial planning
- (d) ensure that trunk infrastructure is planned and provided in an efficient and orderly manner
- (e) provide a basis for the imposition of conditions about infrastructure on development approvals.

(3) The local government infrastructure plan:

- (a) states in section 4.2 (planning assumptions) the assumptions about future growth and urban development including the assumptions of demand for each trunk infrastructure network
- (b) identifies in section 4.3 (priority infrastructure area) the prioritised area to accommodate urban growth up to 20412~~2033~~
- (c) states in section 4.4 (desired standards of service), for each trunk infrastructure network, the desired standard of performance
- (d) identifies in section 4.5 (plans for trunk infrastructure) the existing and future trunk infrastructure for the following networks:
  - (i) water supply
  - (ii) sewerage
  - (iii) transport
  - (iv) parks and land for community facilities
- (e) provides a list of supporting documents that assists in the interpretation of the local government infrastructure plan in the Editor's note – Extrinsic material.

4.2 Planning assumptions

(1) The planning assumptions state the assumptions about:

- (a) population and employment growth
- (b) the type, scale, location and timing of development, including the demand for each trunk infrastructure network.

(2) The planning assumptions, together with the desired standards of service, form the basis for the planning of the trunk infrastructure networks and the determination of the priority infrastructure area.

(3) The planning assumptions have been prepared for:

- (a) the base date (30th June 20242~~2018~~) and the following projection years:
  - ~~(i) mid (2021);~~
  - ~~(ii)~~(i) mid (2026);
  - ~~(iii)~~(ii)mid (2031);
  - ~~(iv)~~(iii) mid (2036);
  - (iv) mid (2041);
  - (v) Ultimate development.
- (b) the LGIP development types in column 2 that include the uses in column 3 of Table 4.2.1

(c) the projection areas identified on Local Government Infrastructure Plan Priority Infrastructure Area maps PIA – 001:009 in schedule 3—Local government infrastructure plan mapping and tables.

Table 4.2.1—Relationship between LGIP development categories, LGIP development types and uses

Column 1 **LGIP development category**	**Column 2** **LGIP development type**	**Column 3** **Uses**
Residential development	Detached dwelling	Caretaker's accommodation Dwelling house
	Attached dwelling	Dual occupancy Dwelling unit Multiple dwelling Retirement facility Short-term accommodation
	Other dwelling	Community residence Home based business Workforce accommodation Outstation Party House Relocatable home park Residential care facility Rooming accommodation Rural workers' accommodation Tourist Park
Non-residential development	Retail	Adult store Agricultural supplies store Brothel Bulk landscape supplies Car wash Food and drink outlet Garden centre Hardware and trade supplies Market Outdoor sales Parking station Sales office Service station Shop Shopping centre Showroom Wholesale nursery
	Commercial	Bar Club Function facility Hotel Indoor sport and recreation Nature-based tourism Nightclub entertainment facility Office Resort complex Theatre Tourist attraction Veterinary service

Column 1 LGIP development category	Column 2 LGIP development type	Column 3 Uses
	Industry	Extractive Industry High impact industry Low impact industry Marine industry Medium impact industry Research and technology industry Service industry Special industry Transport depot Warehouse
	Community Purposes	Cemetery Childcare centre Community care centre Community use Crematorium Detention facility Educational establishment Emergency services Funeral parlour Health care service Hospital Major sport, recreation and entertainment facility Motor sport facility Outdoor sport and recreation Park Place of Worship
	Rural and Other Uses	Air service Animal Husbandry Animal keeping Aquaculture Cropping Environment facility Intensive animal industry Intensive horticulture Landing Major electricity infrastructure Parking station Permanent plantation Port service Renewable energy facility Roadside stall Rural industry Substation Telecommunications facility Utility installation Winery

(4) Details of the methodology used to prepare the planning assumptions are stated in the extrinsic material.

4.2.1 Population and employment growth

(1) A summary of the assumptions about population and employment growth for the planning scheme area is stated in Table 4.2.2 – Population and employment assumptions summary.

Table 4.2.2—Population and employment assumptions summary

Column 1 Description	Column 2 Assumptions					
	2024 (Base Date)~~date 2018~~	~~2021~~2026	~~2026~~2031	~~2031~~2036	~~2036~~2041	Ultimate development
Population	36,502 ~~777~~	37,685 ~~40,414~~	38,983 ~~41,832~~	40,498 ~~43,531~~	41,403 ~~45,675~~	64,318~~75,532~~
Employment	24,399~~31,275~~	24,698~~33,084~~	25,453~~33,790~~	26,308~~34,635~~	27,260~~35,702~~	43,047~~50,559~~

Detailed assumptions about growth for each projection area and LGIP development type category are identified in the following tables in schedule 3 – Local government infrastructure plan mapping and tables:

(a) for population, Table SC3.1.1—Existing and projected population;
(b) for employment, Table SC3.1.2—Existing and projected employees

4.2.2 Development

(1) The developable area is represented by zones relating to urban uses not affected by the following constraints:

(a) Biodiversity Areas Overlay;
(b) Bushfire Hazard Overlay (partial constraint);
(c) Coastal Protection (partial constraint);
(d) Key Resource Areas;
(e) Mineral and Mining Areas;
(f) Flood Hazard Overlay (partial constraint);
(g) Existing Easements.

(2) The planned density for future development is stated in Table SC3.1.3 in Schedule 3—Local government infrastructure plan mapping and tables.

(3) A summary of the assumptions about future residential and non-residential development for the planning scheme area is stated in Table 4.2.3 – Residential dwellings and non-residential floor space assumptions summary.

Table 4.2.3—Residential dwellings and non-residential floor space assumptions summary

Column 1 Description	Column 2 Assumptions					
	2024 (Base Date)~~date 2018~~	~~2021~~2026	~~2026~~2031	~~2031~~2036	~~2036~~2041	Ultimate development
Residential Dwellings	14,576~~376~~	15,097~~846~~	15,711~~16,491~~	16,469~~17,262~~	16,847~~18,225~~	26,087~~30,138~~
Non-residential floor space	1,543,819~~328,794~~	1,562,740~~406,185~~	1,610,508~~436,362~~	1,664,648~~472,519~~	1,724,857~~518,146~~	2,723,764~~153,540~~

(m² GFA)						

(4) Detailed assumptions about future development for each projection area and LGIP development type are identified in the following tables in Schedule 3 Local government infrastructure plan mapping and tables:

(a) For residential development, Table SC3.1.4
(b) For non-residential development, Table SC3.1.5

4.2.3 Infrastructure demand

(1) The demand generation rate for a trunk infrastructure network is stated in Column 4 of Table SC3.1.3 in Schedule 3 Local government infrastructure plan mapping and tables.

(2) A summary of the projected infrastructure demand for each service catchment is stated in:

(a) for the water supply network, Table SC3.1.6
(b) for the sewerage network, Table SC3.1.7
(c) for the transport network, Table SC3.1.8
(d) for the parks and land for community facilities network, Table SC3.1.9.

4.3 Priority infrastructure area

(1) The priority infrastructure area identifies the area prioritised for the provision of trunk infrastructure to service the existing and assumed future urban development up to 20412033.

(2) The priority infrastructure area is identified on Local Government Infrastructure Plan Map Priority Infrastructure Area PIA - 001:009

4.4 Desired standards of service (DSS)

(1) This section states the key standards of performance for a trunk infrastructure network.

(2) Design standards for trunk infrastructure networks are identified in the following planning scheme policies and other controlled documents.

4.4.1 Water supply network

(1) The Water Supply trunk infrastructure network comprises infrastructure shown in Table 4.4.1.

Table 4.4.1—Water Supply trunk infrastructure network inclusions

Water Supply ~~Network~~			
Class	**Facility**	**Qualification**	
		Size	**Capacity / Description**
Water Supply – Bulk Supply	Supply sources		Bores, wells, dams, weirs and associated works
	Raw water treatment		All systems provided to improve the quality of the water from the supply source, including chlorinators
	Bulk water mains		
	Regional pumping station		
	Major reservoirs		
Water Supply –	Delivery mains		Mains from the point of treatment to

Distribution			service reservoirs
	Pumping system		Distribution and booster pumps within the delivery and distribution main.
	Reservoirs and storage facilities		Service or supply reservoirs between the supply source and the distribution and reticulation mains.
	Distribution Mains	200mm dia or greater	Mains from the end of delivery mains, or from service reservoirs to form the distribution network to suburbs.
	Associated pump stations, fittings, monitoring and control systems.		

(2) The Desired Standards for Water Supply trunk infrastructure are shown in Table 4.4.2: Desired Standards of Service: Water Supply and should be read in conjunction with Local governments' own adopted technical standards.

Table 4.4.2—Desired Standards of Service – Water Supply

Desired Goal	Planning Standard	Design and Construction Standard	Community Outcome
Reliable Water Supply Network	• Department of Energy and Water Supply "Planning Guidelines for Water Supply and Sewerage - Chapter 1-11 - March 2014 (as amended); • Plan the network so that water supply infrastructure that provides service to each premise in the defined service catchment. • Network planning should ensure pressures are maintained through a series of network links providing redundancy in the network; • Network modelling and planning reflects the land use needs; • Ensure the pipe network is sized appropriate to provide pressures at the desired levels as set out in the Customer Service obligations; • Provide adequate storage in the system to accommodate reasonable outages of electricity supply needed for treatment and pumping. • Undertake risk management planning and development of appropriate strategies and action plans to deal with adverse events.	The design of the network and its construction is managed under the following Guidelines, Policies, Codes and Standards. • Plans for Trunk Infrastructure – Water Supply; • Water Services Association of Australia – WSA 03 – 2011 – Water Supply Code of Australia; • IPEWA – Standard Drawings; • AUS-SPEC specifications; and • Capricorn Municipal Development Guidelines.	• Ensures that all premises within the service catchment are provided with a water supply service that meets the Customer Service Obligations of Council.
Optimise Whole of Lifecycle Cost	• Department of Energy and Water Supply "Planning Guidelines for Water Supply and Sewerage – Chapter 7-9 March 2014 (as amended); • Delivery of the water supply network planning must be carried out as efficiently as can be reasonably achieved balancing the costs of both construction and operation; • In seeking to minimise capital costs consider: o Optimising network solutions in respect of location, alignment, sizing, and staging; o Infrastructure constructed provides durability and performance; o Infrastructure is fit for purpose (not over or undersized and allows for growth capacity); o Use standard fittings and components wherever possible to ensure value for money; • In seeking to minimise operational costs consider assets with least impact on: o operating costs – e.g. electricity, consumables,		Through the appropriate planning, design and construction the following benefits are achieved: • Extend asset life • Defer system augmentation • Improve environmental flows • Reduced greenhouse gas emissions • Reduce extraction of water from source • Defer requirement for new water source • Reduced cost of energy • Cost effective service for community • Reduced cost of energy and chemicals • Improve water quality. • Reduced environmental effects from chemical production • Reduced maintenance costs • Reduced overall operation costs

Desired Goal	Planning Standard	Design and Construction Standard	Community Outcome
	staffing ○ maintenance – labour, parts, consumables cleaning/replacement ○ asset life/durability – frequency of replacement/renewal of components or entire asset. • Ensure alternative network outcomes are investigated for trunk assets incorporating the demands of both the existing and location, timing and intensity of the future urban environment; • Investigate staged delivery of infrastructure in line with growth in demands to minimise where possible the overall cash flow position; • Implement a comprehensive asset management system to ensure the system is reliable and robust minimising the uncontrolled loss of water (e.g. water meter inaccuracies, unauthorised consumption, main breaks, valve failure etc.) from the system.		• Reduced replacement costs
Minimise Risk from Fire	• Department of Energy and Water Supply "Planning Guidelines for Water Supply and Sewerage - March 2014 – Chapter 6 Network Modelling and Applications (as amended); • The network is planned to provide adequate firefighting capacity both in terms of pressure and flow rate; • Planning and design provides Hydrants located conveniently to all premises to permit ready access to water.		• The water supply system provides, where possible, a network of firefighting capacity to reduce the risk of fire to person and property; • Reduces the overall cost of fire incidents to the community; • Provides the necessary support to the fire services in fighting fire safely and effectively.
Maintain Public Health and Sustainable Environmental Quality	• Plan the network so that a supply of potable drinking water is provided to each premise within the urban area and to any area of concentrated residential settlement including park and rural residential. • The planning ensure a network can deliver drinking water complies with the NHMRC Australian Drinking Water Guidelines for colour, turbidity and microbiology. >95% water test compliance; • Comply with Integrated Environmental Management Strategy and associated Environmental Management Plans.		• Provides uniform quality of water monitored in relation to recognised standards. • Provide a safe and reliable water supply. • Safeguards community health. • Provides for system operation and monitoring in accordance with recognised standards. • Ensures environmental controls maintained. • Ensures potable water is provided in a manner consistent with environmental standards.

4.4.2 Sewerage network

(1) The Sewerage trunk infrastructure network comprises infrastructure shown in Table 4.4.3.

Table 4.4.3—Sewerage trunk infrastructure network inclusions

Sewerage			
Class	**Facility**	**Qualification**	
		Size	**Capacity / Description**
Sewerage – Regional	Treatment Plant		All systems provided to produce an acceptable quality effluent for discharge and sludge for beneficial reuse.
	Storage facilities		Ponds
	Effluent disposal systems		Gravity or pumping system to deliver treated effluent to approved final discharge point, including Effluent Mains.
	Associated monitoring and control systems		
	Odour and corrosion control systems		
Sewerage – Trunk Reticulation	Gravity Sewers	225mm dia or greater	Gravity sewers which receive (or are designed to receive in future) flows from a pumped system, irrespective of the source of flow. Some exceptions to the minimum size of trunk mains have been made where these are considered to perform critical functions within the network to allow for appropriate connectivity of the trunk system.
	Pumping Stations		Systems to pump sewerage from any sewer drainage catchment to either another catchment or direct to a treatment plant and including the necessary rising mains. This excludes temporary, private (i.e. Single use), and low use (i.e. servicing a small local catchment) pump stations.
	Rising mains		
	Associated manholes and fittings		
	Odour and corrosion control systems		
	Associated monitoring and control systems		

(2) The Desired Standards for Sewerage trunk infrastructure are shown in Table 4.4.4: Desired Standards of Service: Sewerage and should be read in conjunction with Local governments' own adopted technical standard

Table 4.4.4—Desired Standards of Service – Sewerage

Desired Goal	Planning Standard	Design Standard	Community Outcome
Provide a Reliable Sewerage Network	• Department of Energy and Water Supply "Planning Guidelines for Water Supply and Sewerage - Chapter 1-11 - March 2014 (as amended); • Plan the network so that sewerage infrastructure provides service to each premise in the defined service catchment. • Network planning should ensure that the likelihood of adverse events (blockages, overflow, odour infiltration etc) are minimised or eliminated; • Network modelling and planning reflects the land use needs; • Ensure the pipe network is sized appropriate to provide appropriate capacity desired levels as set out in the Customer Service obligations; • Provide adequate storage in the system to accommodate reasonable outages of electricity supply needed for pumping. • Undertake risk management planning and development of appropriate strategies and action plans to deal with adverse events.	The design of the network and its construction is managed under the following Guidelines, Policies, Codes and Standards:- • Sewerage Code of Australia – Water Services Association of Australia – WSA 02 - 2002 • Gravity Sewerage Code of Australia -Water Services Association of Australia - WSA 02 – 2014. • Sewerage Pumping Station Code of Australia-Water Services Association of Australia - WSA 04 – 2005. • Vacuum Sewerage Code of Australia – Water Services Association of Australia – WSA 06 – 2008 • Pressure Sewerage Code of Australia – Water Services Association of Australia – WSA 07 - 2007 • Capricorn Municipal Development Guidelines; • Environmental Protection Agency (Environmental Protection Policy) requirements and guidelines; • Plan for Trunk Infrastructure – Wastewater; and • The *Water Act (2000)* and Standard Sewerage Law under the *Sewerage and Water Supply Act (1949)*.	• Reduced impact from blockages, overflows and spills; • Amenity is maintained; • Reduced impact on residents • Minimises release of nitrogen and phosphorous to the environment • Improved community health • Rapid response to breakages • Reduction in use of potable water supply and treatment • Reduction of raw water extraction from source • Reduced overflows to local waterways
Optimise Whole of Lifecycle Cost	• Department of Energy and Water Supply "Planning Guidelines for Water Supply and Sewerage – Chapter 7-9 March 2014 (as amended); • Delivery of the sewerage network planning must be carried out as efficiently as can be reasonably achieved balancing the costs of both construction and operation; • Wherever possible reduce or eliminated active assets (e.g. pump stations) in lieu of gravity systems of collection; • In seeking to minimise capital costs consider: o Optimising network solutions in respect of location, alignment, sizing, and staging; o Infrastructure constructed provides durability and performance; o Infrastructure is fit for purpose (not over or undersized and allows for growth capacity);		• Reduced cost of energy • Cost effective service for community • Greenhouse gas reduction • Reduced maintenance costs • Reduced overall operation costs • Reduced replacement costs • Reduced environmental effects from chemical production. • Beneficial use of reclaimed water and biosolids • Opportunity for cost recovery for reclaimed water treatment • Reduced cost of energy for effluent transport, treatment and disposal • Maximise life of system

Desired Goal	Planning Standard	Design Standard	Community Outcome
	○ Use standard fittings and components wherever possible to ensure value for money. • In seeking to minimise operational costs consider assets with least impact on: ○ operating costs – e.g. electricity, consumables, staffing ○ maintenance – labour, parts, consumables cleaning/replacement ○ asset life/durability – frequency of replacement/renewal of components or entire asset. • Ensure alternative network outcomes are investigated for trunk assets incorporating the demands of both the existing and location, timing and intensity of the future urban environment; • Investigate staged delivery of infrastructure in line with growth in demands to minimise where possible the overall cash flow position; • Reuse effluent where possible to use the resource which is created through its appropriate treatment; • Implement a comprehensive asset management system to ensure the system is reliable and robust minimising the breakdown of active assets (e.g. pump station failures) and adverse environmental incidents (overflow, odour etc) • Ensure infiltration and inflow in the sewerage collection and transportation system remains within industry acceptable limits (compliance with Environmental licences, IEMS and associated EMPs).		
Maintain Public Health and Sustainable Environmental Quality	• Plan the network so that sewerage is provided to each premise within the urban area to ensure sewage is collected and treated offsite; • Comply with Integrated Environmental Management Strategy and associated Environmental Management Plans.		• Minimise work, health and safety risks • Noise control • Reduction in release of nitrogen and phosphorous to the environment • No adverse visual effect • Control of overflows from system • Improves community health • Ensure odour control • Minimise environmental effects

Desired Goal	Planning Standard	Design Standard	Community Outcome
			• Reduction in contaminated discharges

4.4.3 Transport network

(1) The transport trunk infrastructure network comprises infrastructure shown in Table 4.4.5.

Table 4.4.5—Transport trunk infrastructure network inclusions

Transport		
Class	**Facility**	**Asset / Qualification**
Transport	Local government roads	• Rural Arterial Roads • Rural Sub-Arterial Roads • Urban Arterial Roads • Urban Sub-Arterial Road • Urban major collector roads • Associated lighting, bridges, culverts, kerb and channel, local road drainage, pedestrian footpaths, pedestrian crossings, and cycleways (within the road reserve), on road cycleways, basic revegetation.
	Intersections (where located at intersecting trunk roads)	• Roundabout • Priority Intersection • Definition Works
	Structures (where located on a trunk road)	• Bridge • Culvert • Floodway

(2) The desired standard of service for transport trunk infrastructure (including in road reserve cycleways and pathways) is outlined in Table 4.4.6: Desired Standards of Service: Transport and should be read in conjunction with Isaac Regional Council's own adopted technical standards.

Table 4.4.6—Desired Standards of Service – Transport

Desired Goal	Planning Standard	Design Standard	Community Outcome
Provide a safe and efficient transport system.	• For roads – provide Site master planning and lot and road configuration to be undertaken in accordance with Isaac Regional Council Planning Scheme – ROL Code; • Road network planning to be undertaken in an Urban environment with: ○ Complete Streets: Guidelines for Urban Street Design (2011) – Institute of Public Works Engineering Australasia Or rural environment with: ○ Road Planning and Design Manual (2nd Edition) July 2013 Main Roads • Define the road network as a functional Urban and Rural hierarchy of roads that and freight routes which supports settlement patterns,the urban, rural and mining activities that support commercial and economic activities, and the safe and efficient movement of people and freight. development. • For footpaths and cycle ways – plan footpaths and cycle ways to provide a Provide safe and convenient pedestrian pathways and cycleways network that links residential areas toin the townships. • Lot reconfiguration layouts provides for a highly connected and permeable path network between home and key activity nodes, thereby encouraging walking and cycling as desirable travel modes.	The roadRoad network system is designed and provided in accordance with: a) design and development manuals/standards and codes referenced in Council's planning scheme and planning scheme policies. • Department of Transport and Main Roads: ○ Road Planning and Design Manual (2nd Edition) July 2013 ○ Transport and Main Roads Specifications ○ Transport and Main Roads Standard Drawings ○ Transport and Main Roads Bridge Design Manual; ○ Manual of Uniform Traffic Control Devices (MUTCD); • Austroads; • AGRD Guide to Road Design; • AGTM Guide to Traffic Management; • AGPT Guide to Pavement Technology; • AGBT Guide to Bridge Technology; and • Capricorn Municipal Development Guidelines; b) DTMR standards, specifications and publications c) Austroads guidelines d) Australian standards e) relevant environmental legislation and standards 1. The footpath and cycleway network is designed in accordance with: a) design and development manuals/standards and codes referenced in Council's planning scheme and	Safety and /Amenity gains • PreserveProtects the amenity of residential communities by removing non-local traffic. • Improves local safety by removing or minimising "through" traffic and heavy vehicles from/in residential areas. • EncourageEncouragement of cycling and walking to improvehas positive health. outcomes. • Promotes health benefits. • Improves transport opportunities for local trips. • Ensures an acceptable level of amenity for users. • IncreaseAllows for high propensity to use of walk and cycle options throughwhen convenient origin-destination connections. are provided. • Limits community severance. • Reduce vehicle speed differentials • Ensure watercourse crossings can be negotiated safely during time of under-flow. Efficiency gains • Maintains reliability of connectivity. • Maintains travel speeds in off-peak periods. • Reduces fuel consumption and emission levels by sustaining efficient operating speeds. • Reduces vehicle operating costs. • Supports economic growth by developing efficient and well-integrated transport networks. • Minimises through traffic and heavy vehicles in residential areas. • Reduces fuel consumption and emission levels through the use of efficient transport modes.

Desired Goal	Planning Standard	Design Standard	Community Outcome
		planning scheme policies. b) Capricorn Municipal Development Guidelines c) DTMR standards, specifications and publications d) Austroads guidelines e) Australian standards relevant environmental legislation and standards ~~Street Lighting~~ ~~• AS/NZS 1158 Set: 2010 - Lighting for roads and public spaces;~~ ~~• AS/NZS 2890 Set: 2009 – Parking Facilities; and~~ ~~• AS 1742.2-2009 Manual of uniform traffic control devices – Traffic control devices for general use.~~ ~~Other:~~ ~~• Urban Drainage~~ ~~○ Queensland Urban Drainage Manual (2013 - Provisional Edition) - Department of Energy and Water Supply;~~ ~~• Standard Drawings – Institute of Public Works Engineering Australia;~~ ~~• Sealed Local Roads Manual – Guidelines to Good Practice: Design, construction, maintenances and rehabilitation of pavements. ARRB; and~~ ~~• Cycleway and footpaths~~ ~~○ Plans for trunk infrastructure~~ ~~○ Design standards adopted by Council.~~	• Reduce delays during peak periods. ~~•~~ Develop an~~Improve safety by reducing vehicle speed differentials.~~ • ~~Supports~~ efficient and integrated freight movement network. Environmental gains • Improve bridge and culvert~~Design bridges and culverts with appropriate~~ flood immunity and capacity to convey floodwater, taking into account the Council's road hierarchy. • Minimise adverse bridge/culvert construction~~Construction of bridges~~ and maintenance impacts~~culverts must not adversely impact on the natural environment~~, such as soil erosion, sediment loss and through the loss of vegetation or~~and undesirable impacts on~~ biodiversity. • Enhance~~Design bridges and culverts to maintain~~ fauna, flora, and recreational links by~~where~~ feasible incorporation of bridge/culvert structures. ~~•~~ Reduce~~Ensures road crossings operate safely in times of inundation.~~ • ~~Reduces~~ the risk of flooding ~~offor~~ upstream properties. • Provides opportunities for extended pedestrian and bicycle links. • Enhances ecological corridors and links.
Minimise~~Optimise~~ Whole of Lifecycle Cost	• Road~~Planning ensures~~ cross sections and pavements are delivered which are fit for purpose in terms of operating width and durability. Optimising capital and operational costs; • Road alignments should be determined to minimise	~~•~~ Design solutions are taken from the most appropriate best practice design guideline (as above) and aligned to the operational needs of the transport network component; • ~~Design and construction solutions which are, readily sourced, prefabricated, modular and are to be~~	• Reduced cost of energy • Cost effective service for community • Greenhouse gas reduction • Reduced maintenance costs • Reduced overall operation costs • Reduced replacement costs

Desired Goal	Planning Standard	Design Standard	Community Outcome
	the impact structures required to accommodate watercourses, and ~~other~~ natural features where possible; • Traffic control devices are carefully determined to ensure their operation meets the requirement management outcome but also the operation of the device is within the technical capability of Council. • Embellishment on the road reserve including control devices and amenity improvements have high durability and are appropriate located. • Application of standards to achieve road design outcomes are carefully crafted to be consistent but at the same time fit for purpose in any given location.	~~preferred than bespoke design solutions.~~	• Maximise life of system

4.4.4 Public parks and land for community facilities network

(1) The Public Parks and Land for Community Facilities trunk infrastructure network comprises infrastructure shown in Table 4.4.7:

(2) The desired standards for the public parks and land for community facilities trunk infrastructure are shown in Table 4.4.8: Desired Standards of Service: Public Parks and Land for Community Facilities and should be read in conjunction with the Local government's own adopted technical standards.

(3) Design criteria for Public Parks and Land for Community Facilities are shown in Table 4.4.9.

(4) Standard embellishments for public parks are shown in Table 4.4.10.

Table 4.4.7—Public Parks and Land for Community Facilities trunk infrastructure network inclusions

Public Parks and Land for Community Facilities				
Class	**Facility (Hierarchy)**	**Asset (Function)**	**Embellishments**	**Qualification/Design Criteria**
Public Parks	Local	Recreation	As per Table 4.1.5.4: Standard Embellishments for Public Parks	As per Table 4.1.5.3 Design Criteria for Public Parks and Land for Community Facilities
	District	Recreation		
		Sportsgrounds and Courts		
	Regional	Recreation		
		Sportsgrounds and Courts		
	Recreation Corridors			
Land for Community Facilities			N/A	Land only for community facilities which allow public access, not restricted by membership, for purposes such as youth centres, senior citizens centre, neighbourhood centres, meeting halls, libraries, performing arts centres, museums, art galleries, community centres. Works associated with the clearing of land and connection to services.

Table 4.4.8—Desired Standards of Service – Public Parks and Land for Community Facilities

Planning Standard	Community Outcome
• Provide a connected and accessible network of parks, open space, and community facilities that meets the needs of the local government's residents and visitors.	• Provides opportunities for access and increased usage of open space, recreational and community facilities. • Provides for an appropriate balance of land uses and ensures high levels of amenity in the urban form. • Provides a basis for a healthy and active community.
• Ensure strong linkages and where possible co-location of existing and future parks, open space and community facilities.	• Ensures utilisation of existing and future assets while maintaining maximum access. • Makes economic efficiency of land owned by the Community.
• Provide a preferred level of development or embellishments to public parks, commensurate with the range of activities envisaged.	• Provides safe open space embellishments that meet the needs of the community by providing a range of facilities for social activities and/or fitness/recreational pursuits. • Ensures activities are met and contained within designated areas - reducing potential off-site impacts to other more sensitive areas in the Local government area. • Maximises the use of the land and provides the basis for a healthy community.
• Ensure that existing and future parks, open space and community facilities with significant environmental, waterway or cultural heritage value are managed appropriately.	• Protects and enhances items of cultural interest in the Local government for the benefit of current and future communities in the area. • Provides a basis for tourism opportunities. • Protection of the natural landscape ensures maintenance of quality of air, water and land resources reducing negative impacts requiring amelioration.
Design Standard	**Community Outcome**
• Public parks and land for community facilities areas are provided in accordance with standard of provision (minimum park size) defined in Council's Public Parks and Land for Community Facilities design criteria, and where identified in accordance with the Plans for Trunk Infrastructure – Public Parks and Land for Community Facilities. •	• Provides a standard of service consistent with community expectations. • Land and facilities are developed to optimise layout and use. • Facilities are provided in close proximity to the residents of the Local government and provide for a range of active and passive pursuits.
• Access to public parks and land for community facilities are to be in accordance with Council's Public Parks and Land for Community Facilities design criteria.	• Provides community access to a range of park, open space and community facilities.
• Land characteristics including shape, road frontage and gradient are in accordance with the desired land characteristics defined in Council's Public parks and land for community facilities design criteria.	• Topography does not reduce or interfere with amenity and recreation use.
• Flood immunity for public parks and land for community facilities are achieved in accordance with Council's Public Parks and Land for Community Facilities design criteria.	• Ensure adequate provision of safe, accessible and usable facilities.
Public park embellishments are provided in accordance with: • the type and purpose of public park as identified below; • Plans for Trunk Infrastructure – Public Parks and Land for Community Facilities.	• Provides a range of park types that are suitability embellished to meeting their purpose within the park hierarchy.

Table 4.4.9—Public Parks and Land for Community Facilities design criteria

Park Type	Hierarchy	Min Park Size	Accessibility (catchment)	Land Characteristics
Recreation	Local	0.5Ha of usable space	400m	*Shape: Square to rectangular with sides no greater than 2:1* *Gradient: Max 1:10 for 80% of park area* *Road frontage: 30-50% of perimeter to have direct frontage* *Flood immunity: 15% of area above Q105 and free of hazards.*
	District	2Ha – 4 Ha of usable space	2500m	*Shape: Square to rectangular with sides no greater than 2:1* *Gradient: Max 1:10 for 80% of park area* *Road frontage: 30-50% of perimeter to have direct frontage on a collector road* *Flood immunity: At least 25% of total area to be above Q50 with main activity areas above Q105.*
	Regional	6Ha of usable space	Isaac Region (LGA)	*Shape: Square to rectangular with sides no greater than 2:1* *Gradient: Average 1:20 for main use areas, 1:50 for kick-about area, and variable for remainder* *Road frontage: 30-50% of perimeter to have direct frontage on a collector road* *Flood immunity: At least 50% of total area to be above Q50 with main activity areas above Q100.*
Sportsgrounds and Courts	District	3Ha	10 minute-drive	*Shape: Square or rectangular* *Gradient: Average 1:80 for all playing surfaces* *Road frontage: approx. 25% of perimeter to have direct road frontage* *Flood immunity: At least 20% of land above Q20, with fields and courts above Q50. Built facilities to be above Q105.*
	Regional	6Ha (10Ha+ desirable)	Isaac Region (LGA)	*Shape: Square or rectangular* *Gradient: Max. 1:100* *Road frontage: approx. 25% of perimeter to have direct road frontage* *Flood immunity: At least 90% of land above Q20, with fields and courts above Q50. Built facilities to be above Q105.*
Recreation Corridors		Average 6m wide	NA	*Shape: Linear* *Gradient: As flat as possible to encourage walking and cycling.* *Road frontage: road frontage where possible for safety and access reasons.* *Flood immunity: Minimal, to be assessed on a case-by-case basis.*

Table 4.4.10—Standard embellishments for Public Parks

Embellishment type	Recreation			Sportsgrounds and Courts		Recreation Corridors
	Local	District	Regional	District	Regional	
Recreation activity area	✓	✓	✓			
Bollard fencing	✓	✓				✓
Post and rail fencing			✓	✓	✓	
Park trees	✓	✓	✓			✓
Bike rack	✓	✓	✓	✓	✓	
Small park sign	✓	✓	✓	✓	✓	✓
Large park sign		✓	✓		✓	✓
Water bubbler	✓	✓	✓		✓	
Bench seats	✓	✓	✓		✓	✓
Picnic table	✓	✓	✓			
Picnic shelter (with table/chairs)		✓	✓			
Bins	✓		✓	✓	✓	✓
Park lighting		✓	✓	✓	✓	
Barbecues		✓	✓			
Shade structure		✓	✓		✓	
Irrigation		✓	✓	✓		
Amenity Block		✓	✓	✓	✓	
Spectator seating				✓	✓	
Pathway		✓	✓	✓	✓	✓
Carparking		✓	✓	✓	✓	

4.5 Plans for trunk infrastructure

The plans for trunk infrastructure identify the trunk infrastructure networks intended to service the existing and assumed future urban development at the desired standard of service.

4.5.1 Plans for trunk infrastructure maps

(1) The existing and future trunk infrastructure networks are identified on the following maps in **Schedule 3 (Local government infrastructure plan mapping and tables)**:

- (a) Local Government Infrastructure Plan Map WS - 001:010~~008~~ — Plans for trunk infrastructure water supply network
- (b) Local Government Infrastructure Plan Map SEW - 001:007 — Plans for trunk infrastructure sewerage network
- (c) Local Government Infrastructure Plan Map TR - 001:016 — Plans for trunk infrastructure transport network
- (d) Local Government Infrastructure Plan Map PPCL - 001:012~~011~~ — Plans for trunk infrastructure parks and land for community facilities network

(2) The state infrastructure forming part of transport trunk infrastructure network has been identified using information provided by the relevant state infrastructure supplier.

4.5.2 Schedules of works

(1) Details relating to the existing and future trunk infrastructure networks are identified in the electronic Excel schedule of works model, which can be viewed here: <insert link>~~https://www.isaac.qld.gov.au/Residents/Planning-and-Development/Infrastructure-Planning-and-Charges#section-1~~

(2) The future trunk infrastructure, derived from the SOW model, is summarised in the following tables in **Schedule 3 (Local government infrastructure plan mapping and tables)**:

(a) for the water supply network, Table SC3.2.1
(b) for the sewerage network, Table SC3.2.2
(c) for the transport network, Table SC3.2.3
(d) for the parks and land for community facilities network, Table SC3.2.4

Editor's note – Extrinsic material

The table below identifies the documents that assist in the interpretation of the local government infrastructure plan and are extrinsic material under the Statutory Instruments Act 1992.

List of extrinsic material

Column 1 **Title of document**	**Column 2** **Date**	**Column 3** **Author**
Extrinsic Material to the Local Government Infrastructure Plan report – Prepared for Isaac Regional Council	January ~~March~~ 2020~~2~~026	Integran Pty Ltd
~~Isaac Region~~ Economic and~~&~~ Population Review 2023 – Isaac Local Government Area – Prepared for Isaac Regional Council	December 2023~~October 2016~~	Foresight Partners~~Norling Consulting~~
Inputs to Local Government Infrastructure Plan (LGIP), Priority Infrastructure Area Population and Dwelling Estimates~~Moranbah Access Road Upgrade – Preliminary Estimate of Cost~~	January 2024~~April 2013~~	Foresight Partners~~UDP Consulting Engineers~~

Schedule 3 Local government infrastructure plan mapping and supporting material

SC3.1 Planning assumption tables

Table SC3.1.1—Existing and projected population

Column 1 Projection area	Column 2 LGIP development type	Column 3 Existing and projected population					
		2024 (Base Date)2018	20212026	20262031	20312036	20362041	Ultimate development (capacity)
MoranbahClermont Rural	Detached dwellingSingle dwelling	9,488 258	9,782 257	10,183 256	10,642 255	10,675 253	12,556 252
	AttachedMultiple dwelling	1,237 15	1,373 15	1,641 14	1,956 14	1,972 14	2,412 14
	Other dwelling	1,067 17	1,079 17	1,086 17	1,096 17	1,096 17	1,190 17
	Total	**11,792 289**	**12,234 289**	**12,910 288**	**13,694 287**	**13,743 284**	**16,158 284**
Clermont Town	Detached dwellingSingle dwelling	2,701 222	2,700 281	2,697 383	2,688 482	2,709 565	3,034 2,996
	AttachedMultiple dwelling	338 126	345 129	357 135	370 140	385 145	587 169
	Other dwelling	158 149	158 153	158 160	158 166	158 172	158 201
	Total	**3,198 2,496**	**3,203 2,563**	**3,212 2,677**	**3,216 2,789**	**3,252 2,882**	**3,779 366**
Dysart	Single dwelling	3,904	4,092	4,169	4,239	4,394	5,453
	Multiple dwelling	221	231	236	240	248	308
	Other dwelling	262	274	279	284	295	366
	Total	**4,386**	**4,598**	**4,684**	**4,763**	**4,937**	**6,126**
NeboGlenden	Detached dwellingSingle dwelling	907 1,568	952 1,647	1,057 672	1,179 703	1,186 723	1,276 932
	AttachedMultiple dwelling	100 89	103 93	110 94	118 96	119 97	123 109
	Other dwelling	72 105	108 110	131 112	159 114	159 115	442 130
	Total	**1,079 762**	**1,162 850**	**1,298 878**	**1,457 914**	**1,464 936**	**1,841 2,171**
Glenden	Detached dwelling	911	914	923	939	950	1,528
	Attached dwelling	96	96	97	98	100	204
	Other dwelling	190	190	190	190	190	192

Column 1 Projection area	Column 2 LGIP development type	Column 3 Existing and projected population					
		2024 (Base Date)2018	20212026	20262031	20312036	20362041	Ultimate development (capacity)
	Total	**1,197**	**1,200**	**1,209**	**1,227**	**1,239**	**1,925**
Middlemount	Detached dwellingSingle dwelling	2,829 815	2,824 985	2,820 3,016	2,813 3,042	2,817 3,180	3,017 4,189
	AttachedMultiple dwelling	231 159	231 169	229 170	228 172	229 180	313 237
	Other dwelling	671 189	671 200	671 202	671 204	672 213	1,024 281
	Total	**3,731 163**	**3,726 354**	**3,721 388**	**3,712 417**	**3,717 573**	**4,354 707**
~~Moranbah~~	~~Single dwelling~~	~~10,800~~	~~11,255~~	~~11,706~~	~~12,046~~	~~12,044~~	~~13,317~~
	~~Multiple dwelling~~	~~610~~	~~636~~	~~661~~	~~681~~	~~681~~	~~752~~
	~~Other dwelling~~	~~724~~	~~754~~	~~785~~	~~807~~	~~807~~	~~893~~
	~~**Total**~~	~~**12,134**~~	~~**12,645**~~	~~**13,152**~~	~~**13,534**~~	~~**13,532**~~	~~**14,962**~~
~~Nebo Rural~~	~~Single dwelling~~	~~667~~	~~788~~	~~808~~	~~847~~	~~973~~	~~1,828~~
	~~Multiple dwelling~~	~~38~~	~~45~~	~~46~~	~~48~~	~~55~~	~~103~~
	~~Other dwelling~~	~~45~~	~~53~~	~~54~~	~~57~~	~~65~~	~~123~~
	~~**Total**~~	~~**750**~~	~~**885**~~	~~**908**~~	~~**951**~~	~~**1,093**~~	~~**2,054**~~
DysartNebo Town	Detached dwellingSingle dwelling	4,498 674	4,491 796	4,487 831	4,480 880	1,0004,486	4,831 1,774
	AttachedMultiple dwelling	241 38	241 45	240 47	238 50	242 56	426 100
	Other dwelling	457 45	500 53	528 56	562 59	562 67	1,382 119
	Total	**5,196 757**	**5,232 894**	**5,255 934**	**5,280 989**	**5,290 1,123**	**6,639 1,993**
Inside priority infrastructure area	Detached dwellingSingle dwelling	21,334 22,908	21,662 24,101	22,166 24,841	22,741 25,494	22,822 26,132	26,242 31,741
	AttachedMultiple dwelling	2,244 1,294	2,389 1,362	2,674 1,404	3,009 1,440	3,047 1,476	4,065 1,793
	Other dwelling	2,614 1,536	2,706 1,616	2,765 1,665	2,837 1,709	2,837 1,752	4,388 2,128
	Total	**26,192 25,738**	**26,756 27,079**	**27,605 910**	**28,587 644**	**28,705 29,360**	**34,695 35,663**
Outside priority infrastructure area	Detached dwellingSingle dwelling	8,061 9,826	8,674 11,869	12,3919,117	9,642 13,250	10,355 14,521	26,138 35,485
	AttachedMultiple dwelling	0555	5 671	12 700	20 749	93 820	1,237 2,005

Column 1 Projection area	Column 2 LGIP development type	Column 3 Existing and projected population					
		2024 (Base Date)2018	20212026	20262031	20312036	20362041	Ultimate development (capacity)
	Other dwelling	2,250 659	2,250 796	2,250 831	2,250 888	2,250 973	2,250 379
	Total	**10,310 11,040**	**10,929 13,335**	**11,378 13,922**	**11,912 14,887**	**12,698 16,315**	**29,624 39,869**
Isaac Regional Council	Detached dwellingSingle dwelling	29,395 32,734	30,335 35,970	31,283 37,232	32,383 38,745	33,177 40,653	52,379 67,227
	AttachedMultiple dwelling	2,244 1,849	2,394 032	2,686 104	3,029 2,189	3,140 2,297	5,302 3,798
	Other dwelling	4,864 2,194	2,4114,955	5,015 2,496	5,086 2,597	5,086 2,725	6,637 4,507
	Total	**36,502 777**	**37,685 40,414**	**38,983 41,832**	**40,498 43,531**	**41,403 45,675**	**64,318 75,532**

Table SC3.1.2—Existing and projected employees

Column 1 Projection area	Column 2 LGIP development type	Column 3 Existing and projected employees					
		2024 (Base Date)2018	20212026	20262031	20312036	20362041	Ultimate development (capacity)
MoranbahClermont Rural	Retail	27513	28113	29613	31213	31413	33213
	Rural and Other UsesCommercial	1,565184	1,600196	1,683218	1,778238	1,786256	1,891346
	Industry	7,619487	7,787501	8,192507	8,656512	8,693524	9,206604
	Community Purposes	1,109196	1,133207	1,192211	1,260215	1,265224	1,340284
	Rural and Other Uses	5823,599	5953,673	6263,703	6613,730	6643,791	7034,206
	Total	**11,1504,993**	**11,3965,123**	**11,9895,176**	**12,6685,224**	**12,7225,331**	**13,4726,062**
	Community Purposes	1,109196	1,133207	1,192211	1,260215	1,265224	1,340284
	Rural and Other Uses	5823,599	5953,673	6263,703	6613,730	6643,791	7034,206
	Total	**11,1504,993**	**11,3965,123**	**11,9895,176**	**12,6685,224**	**12,7225,331**	**13,4726,062**
	Rural and Other Uses	139	139	139	138	138	138
	Total	**244**	**244**	**243**	**243**	**241**	**241**
Clermont Town	Retail	116	119	124	129	134	156
	Commercial	311	318	329	340	350	399
	Industry	321	327	338	349	358	405
	Community Purposes	156	159	165	171	177	203
GlendenClermont	Retail	8162	8166	8167	8269	8370	9879
	Commercial	337184	337192	338194	338197	343199	407218
	Rural and Other UsesIndustry	1,713518	1,715548	1,719558	1,721570	1,745577	2,0731,656
	Community Purposes	250	250	251	251	254	302
	Rural and Other Uses	512	513	514	515	522	620
	Total	**2,8931,991**	**2,896040**	**2,904056**	**2,907075**	**2,946087**	**3,5002,216**
MiddlemountNebo	Retail	11119	12127	14129	16130	16137	17188
	Commercial	61428	65449	74453	85456	86473	94598
	Industry	437256	467264	536265	616266	621273	679320
	Community Purposes	31145	33154	38156	43158	44165	48222

Column 1 Projection area	Column 2 LGIP development type	Column 3 Existing and projected employees					
		2024 (Base Date)2018	20212026	20262031	20312036	20362041	Ultimate development (capacity)
	Rural and Other Uses	542,843	582,913	662,926	762,937	772,994	843,409
	Total	**5933,791**	**6333,908**	**7273,929**	**8373,947**	**8434,042**	**9224,737**
MoranbahGlenden	Retail	15378	15391	15404	16413	16413	32450
	Commercial	831,440	831,478	841,515	871,544	881,544	1761,650
	Industry	5971,594	5991,627	1,661608	6251,685	6361,685	1,273779
	Community Purposes	42597	42614	43630	44643	45643	89689
	Rural and Other Uses	744,772	744,874	754,976	775,052	795,052	1575,339
	Total	**8118,781**	**8148,984**	**8269,186**	**8489,338**	**8649,337**	**1,7289,906**
Nebo RuralMiddlemount	Retail	3219	3223	3223	3225	3229	3757
	Commercial	17473	17484	17386	17389	173100	199179
	Industry	1,258148	1,255164	1,251167	1,246172	1,249188	1,438299
	Community Purposes	8861	8873	8875	8778	8890	101170
	Rural and Other Uses	155399	155432	154437	154448	154481	177711
	Total	**1,708701**	**1,703775**	**1,699787**	**1,691811**	**1,695889**	**1,952417**
DysartNebo Town	Retail	5819	5823	5824	5826	5830	6955
	Commercial	31873	31885	31788	31692	317103	373174
	Industry	2,299150	2,293166	2,290170	2,283177	2,290192	2,696293
	Community Purposes	16162	16173	16177	16081	16193	189165
	Rural and Other Uses	284403	283436	283445	282458	283490	333698
	Total	**3,121707**	**3,113782**	**3,108804**	**3,099834**	**3,109908**	**3,6601,386**
Inside priority infrastructure area	Retail	473852	479896	496922	515945	518972	5851,188
	Commercial	2,5383,130	2,5763,248	2,6703,318	2,7773,381	2,7933,451	3,1414,032
	Industry	13,9243,137	14,1163,234	14,5973,294	15,1483,349	15,2343,408	17,3643,896
	Community Purposes	1,681318	1,707386	1,772421	1,845455	1,856500	2,0691,854
	Rural and Other Uses	14,8581,661	1,67715,211	1,71815,401	1,76515,571	1,77815,779	2,07417,502
	Total	**20,27623,295**	**20,55523,976**	**21,25324,356**	**22,05024,701**	**22,17925,110**	**25,23328,472**

Column 1 Projection area	Column 2 LGIP development type	Column 3 Existing and projected employees					
		2024 (Base Date)2018	20212026	20262031	20312036	20362041	Ultimate development (capacity)
Outside priority infrastructure area	Retail	82228	82289	83304	83330	102366	3941,014
	Commercial	3601,064	3571,256	3531,308	3471,390	4441,504	1,9713,476
	Industry	2,9451,803	2,9591,985	3,0002,035	3,0412,110	3,6122,215	12,3964,018
	Community Purposes	167343	164428	156452	147490	209534	1,192433
	Rural and Other Uses	5694,542	5815,150	6085,336	6405,614	7145,974	1,86112,145
	Total	**4,1237,980**	**4,1439,109**	**4,2009,434**	**4,2589,935**	**5,08110,593**	**17,81322,086**
Isaac Regional Council	Retail	5551,080	5621,185	5791,226	5981,276	6201,338	9792,202
	Commercial	2,8974,194	2,9334,505	3,0234,626	3,1244,771	4,9553,237	5,1127,508
	Industry	16,8684,940	17,0755,219	17,5975,328	18,1885,459	18,8465,623	29,7607,914
	Community Purposes	1,848661	1,871813	1,928873	1,993944	2,065034	3,260287
	Rural and Other Uses	2,23019,400	2,25820,362	2,32720,737	2,40521,186	2,49221,753	3,93529,647
	Total	**24,39931,275**	**24,69833,084**	**25,45333,790**	**26,30834,635**	**27,26035,702**	**43,04750,559**

Table SC3.1.3—Planned density and demand generation rate for a trunk infrastructure network

Column 1 Zone	Column 2 Precinct / Location	Column 3 Planned density		Column 4 Demand generation rate for a trunk infrastructure network			
		Non-residential plot ratio	Residential density (dwellings/ dev ha)	Water supply network (EP/dev ha)	Sewerage network (EP/dev ha)	Transport network (trips/dev ha)	Parks and land for community facilities network (persons/dev ha)
Residential development							
Centre		N/A	22.40 32.0	38.8051.1	38.8051.1	224.00320.0	54.6151.1
Centre	Moranbah	N/A	33.60 48.0	58.2076.7	81.9276.7	336.00480.0	81.9276.7
Low density residential		N/A	8.19 11.7	21.3730.2	30.082	81.86116.9	30.082
Low density residential	Moranbah	N/A	9.47 13.5	24.0733.8	33.888	94.69135.3	33.888
Low-medium density residential		N/A	16.57 23.7	36.1949.8	50.9449.8	165.67236.7	50.9449.8
Emerging Community		N/A	9.47 13.5	24.0733.8	33.888	94.69135.3	33.888
Rural residential		N/A	0.23 3	0.617	0.677	2.255	0.677
Rural		N/A	0.0002	0.0005 0	0.0005 0	0.0019 0	0.0005 0
Township		N/A	7.00 10.0	18.9426.9	26.669	70.00100.0	26.669
Specialised Centre		N/A	31.92 45.6	31.9245.6	45.606	319.20456.0	45.606
Non-residential development and mixed development*							
Centre		4	N/A	67.641	67.641	500.00	0
Centre	Moranbah	3	N/A	67.641	67.641	500.00	0
Industry		0.75	N/A	40.583	40.583	75.00	0
Specialised Centre		0.6	N/A	13.534	13.534	50.00	0
Community Facilities		0.4	N/A	13.534	13.534	50.00	0
Special Purpose		0	N/A	0	0	0	0
Tourism Area (Minor)		0	N/A	0	0	0	0
Environmental Management and Conservation		0	N/A	0	0	0	0
Recreation and Open Space		0	N/A	0	0	0	0

Table SC3.1.4—Existing and projected residential dwellings

Column 1 Projection area	Column 2 LGIP development type	Column 3 Existing and projected residential dwellings					
		2024 (Base Date)2018	20212026	20262031	20312036	20362041	Ultimate development (capacity)
Clermont RuralMoranbah	Detached dwellingSingle dwelling	3,50194	3,62394	3,78594	3,98694	3,99894	4,70394
	AttachedSingle dwelling	715811	794835	954877	1,144919	1,156955	1,411116
	Other dwelling	53388	53991	54695	553100	556104	604121
	Total	**4,749976**	**4,9561,005**	**5,2851,055**	**5,6831,106**	**5,7101,150**	**6,7171,343**
DysartClermont	Detached dwellingSingle dwelling	9971,424	1,000498	1,002534	1,007569	1,015636	1,1362,031
	AttachedMultiple dwelling	196135	199142	207146	217149	226155	343193
	Other dwelling	79155	79163	80167	80171	80178	80221
	Total	**1,271714**	**1,278803**	**1,289847**	**1,303889**	**1,321970**	**1,5602,444**
Nebo	Detached dwelling	335	352	393	442	444	478
	Attached dwelling	58	60	64	69	69	72
	Other dwelling	36	54	66	80	81	224
	Total	**428**	**466**	**523**	**591**	**594**	**774**
Glenden	Detached dwellingSingle dwelling	336572	338603	343615	352630	356642	572720
	AttachedMultiple dwelling	5654	5657	5658	5760	5861	12068
	Other dwelling	9562	9566	9567	9669	9670	9878
	Total	**487689**	**489726**	**495740**	**505759**	**511772**	**789866**
Middlemount	Detached dwellingSingle dwelling	1,044027	1,046093	1,048110	1,054126	1,055184	1,130560
	AttachedMultiple dwelling	13498	133104	133105	133107	134113	183148
	Other dwelling	336112	336119	337121	339122	341129	520170

Column 1 Projection area	Column 2 LGIP development type	Column 3 Existing and projected residential dwellings					
		2024 (Base Date)2018	20212026	20262031	20312036	20362041	Ultimate development (capacity)
	Total	**1,513236**	**1,515315**	**1,519336**	**1,526355**	**1,530426**	**1,833878**
MoranbahDysart	Detached dwellingSingle dwelling	1,6603,940	1,6634,119	1,6684,307	1,6784,458	4,4861,680	1,8094,959
	AttachedMultiple dwelling	140374	139391	139409	139424	142426	249471
	Other dwelling	228429	250448	265468	284485	285488	702539
	Total	**2,0274,743**	**2,0524,958**	**2,0735,185**	**2,1015,367**	**2,1075,399**	**2,7605,970**
Nebo Rural	Single dwelling	244	288	297	313	362	681
	Multiple dwelling	23	27	28	30	34	65
	Other dwelling	26	31	32	34	39	74
	Total	**293**	**347**	**358**	**377**	**436**	**819**
Nebo Town	Single dwelling	246	291	306	326	372	661
	Multiple dwelling	23	28	29	31	35	63
	Other dwelling	27	32	33	35	40	72
	Total	**296**	**351**	**368**	**392**	**448**	**795**
Inside priority infrastructure area	Detached dwellingSingle dwelling	7,8728,357	8,023820	8,2409,140	8,5179,436	8,5479,732	9,82811,821
	AttachedMultiple dwelling	1,297794	1,381838	1,554868	1,760896	1,785924	2,3771,123
	Other dwelling	1,307909	1,353959	1,389994	1,433026	1,440058	2,2271,286
	Total	**10,477060**	**10,757618**	**11,184003**	**11,710359**	**11,773715**	**14,433230**
Outside priority infrastructure area	Detached dwellingSingle dwelling	2,9743,586	3,2124,344	3,3894,559	3,6114,904	3,8785,408	9,78913,215
	AttachedMultiple dwelling	0341	3413	7433	12466	55514	7231,255
	Other dwelling	1,125390	1,125472	1,130496	1,136533	1,142588	1,142437
	Total	**4,099317**	**4,3405,229**	**4,5275,488**	**4,7595,904**	**5,0756,510**	**11,65415,908**
Isaac Regional Council	Detached dwellingSingle	10,84711,943	11,23513,164	11,62913,699	12,12814,340	12,42615,140	19,61825,036

Column 1 Projection area	Column 2 LGIP development type	Column 3 Existing and projected residential dwellings					
		2024 (Base Date)2018	20212026	20262031	20312036	20362041	Ultimate development (capacity)
	~~dwelling~~						
	Attached~~Multiple~~ dwelling	1,297~~134~~	1,384~~250~~	1,561~~301~~	1,772~~362~~	1,840~~438~~	3,1002,~~378~~
	Other dwelling	2,432~~1,299~~	2,478~~1,432~~	2,5201,~~490~~	2,569~~1,560~~	2,582~~1,647~~	3,369~~2,723~~
	Total	**14,576~~376~~**	**15,097~~846~~**	**15,711~~16,491~~**	**16,469~~17,262~~**	**16,847~~18,225~~**	**26,087~~30,138~~**

Table SC3.1.5—Existing and projected non-residential floor space

Column 1 Projection area	Column 2 LGIP development type	Column 3 Existing and projected non-residential floor space (m2 GFA)					
		2024 (Base Date)2018	20212026	20262031	20312036	20362041	Ultimate development (capacity)
Clermont RuralMoranbah	Retail	8,247403	8,429402	8,867400	9,369399	9,409395	9,964395
	Commercial	46,9531,085	47,9891,083	50,4851,080	53,3431,076	1,06853,571	56,7311,068
	Industry	609,5435,605	622,9935,597	655,3975,579	692,5055,563	695,4665,524	736,4895,522
	Community Purposes	27,717452	28,328451	29,802450	31,489448	31,624444	33,489444
	Rural and Other Uses	11,644	11,901	12,520	13,229	13,286	14,069
	Total	**704,104**	**719,640**	**757,070**	**799,936**	**803,356**	**850,742**
Clermont	Rural and Other UsesRetail	2,434778	2,436776	2,443771	2,447767	2,480757	2,945757
	CommercialTotal	**10,104323**	**10,115310**	**10,144279**	**10,158254**	**10,296189**	12,225**10,186**
	Industry	137,04248,116	137,18249,080	137,58550,734	137,77152,343	139,64053,696	165,80460,687
	Community Purposes	6,2473,890	6,2543,980	6,2724,136	6,2814,287	6,3664,414	7,5585,071
	Rural and Other Uses	10,24223,682	10,25223,930	10,28324,355	10,29624,768	10,43625,116	26,91312,391
	Total	**166,06988,488**	**166,23990,084**	**166,72792,824**	**166,95295,489**	**169,21897,729**	**200,923109,310**
DysartNebo	Retail	3333,798	3564,026	4094,120	4704,204	4744,392	5185,675
	Commercial	1,81617,516	1,93918,229	2,22618,520	2,56218,784	2,58019,369	2,82223,370
	Industry	34,96073,064	37,32975,202	42,86776,076	49,32676,867	49,66978,623	54,33490,625
	Community Purposes	7664,911	8185,177	9405,286	1,0815,385	1,0895,603	1,1917,098
	Rural and Other Uses	1,07971,974	1,15273,452	1,32374,056	1,52274,602	75,8161,533	1,67684,112
	Total	**38,954171,262**	**41,594176,086**	**47,764178,057**	**54,961179,842**	**55,343183,802**	**60,541210,879**
Glenden Glenden	Retail	455	457	464	477	485	971
	CommercialRetail	2,4811,869	2,4901,980	2,528015	2,598059	2,644086	2,3805,288
	Industry	47,770	47,949	48,679	50,020	50,910	101,817
	Community Purposes	1,047	1,051	1,067	1,096	1,116	2,232
	Rural and Other Uses	1,474	1,479	1,502	1,543	1,571	3,142
	Total	**53,227**	**53,427**	**54,241**	**55,734**	**56,726**	**113,449**
Middlemount	Retail	960	957	955	951	953	1,097
	Commercial	5,228531	5,214751	5,200820	5,178908	5,192961	5,9736,544

Column 1 Projection area	Column 2 LGIP development type	Column 3 Existing and projected non-residential floor space (m2 GFA)					
		2024 (Base Date)2018	20212026	20262031	20312036	20362041	Ultimate development (capacity)
	Industry	100,65521,606	100,38822,116	100,12622,277	99,69622,481	99,96522,605	115,00823,959
	Community Purposes	2,206057	2,200168	2,195203	2,185248	2,191275	2,521569
	RetailRural and Other Uses	3,106566	3,097824	3,089869	3,076908	3,0844,119	3,5495,647
	Total	**112,154115,240**	**111,857118,969**	**111,564119,632**	**111,086120,198**	**111,385123,241**	**128,147145,364**
MoranbahDysart	Retail	1,75311,332	1,74911,722	1,74712,110	1,74212,401	1,74812,400	2,05613,492
	Commercial	9,55243,199	9,52944,335	9,51745,463	9,49046,312	9,52246,308	11,20149,487
	Industry	183,912239,119	183,486244,117	183,237249,078	182,730252,812	183,335252,796	215,677266,781
	Community Purposes	14,936	15,350	15,762	16,071	16,070	17,229
	Rural and Other Uses	95,434	97,482	99,515	101,045	101,039	106,770
	Total	**404,020**	**413,007**	**421,928**	**428,641**	**428,613**	**453,760**
Nebo Rural	Retail	559	679	700	738	864	1,715
	Commercial	2,182	2,511	2,567	2,673	3,019	5,360
	Industry	22,273	24,620	25,017	25,773	28,234	44,908
	Community Purposes	1,5334,031	4,0221,816	4,0161,864	4,0051,955	4,0192,252	4,727262
	Rural and Other Uses	5,6757,987	5,6618,633	5,6548,742	5,6388,950	5,6579,628	6,65514,216
	Total	**204,92234,534**	**204,44838,259**	**204,17138,890**	**203,60540,089**	**204,27943,995**	**240,31770,462**
Nebo Town	Retail	565	686	722	771	889	1,661
	Commercial	2,202	2,537	2,633	2,768	3,094	5,215
	Industry	22,481	24,862	25,549	26,508	28,834	43,937
	Community Purposes	1,548	1,835	1,918	2,033	2,314	4,134
	Rural and Other Uses	8,061	8,716	8,905	9,169	9,809	13,965
	Total	**34,857**	**38,636**	**39,726**	**41,249**	**44,940**	**68,912**
Inside priority infrastructure area	Retail	14,18325,566	14,38526,886	14,88527,659	15,45628,358	15,54929,152	17,55135,639
	Commercial	76,13393,891	77,27697,454	80,10099,550	83,329101,421	83,804103,519	94,240120,952
	Industry	1,113,882470,595	1485,129,327	1,167,890494,058	1,212,047502,277	1,218,985511,224	1,389,129584,470
	Community Purposes	42,01532,951	42,67334,640	44,29135,521	46,13836,366	46,40437,504	51,71846,348
	Rural and Other Uses	33,219297,152	33,544304,225	34,370308,018	35,305311,428	35,566315,579	41,482350,046

Column 1 Projection area	Column 2 LGIP development type	Column 3 Existing and projected non-residential floor space (m2 GFA)					
		2024 (Base Date)2018	20212026	20262031	20312036	20362041	Ultimate development (capacity)
	Total	**1,279,431920,155**	**1,297,204948,333**	**1,341,538964,807**	**1,392,274979,851**	**1,400,308996,978**	**1,594,120137,455**
Outside priority infrastructure area	Retail	2,4596,836	2,4608,674	2,4759,132	2,4889,908	3,04310,976	11,80930,415
	Commercial	10,79231,919	37,68510,715	10,57939,226	10,39941,714	13,31445,117	59,121104,280
	Industry	235,564270,468	236,658297,791	239,849305,183	243,015316,519	288,707332,249	991,703602,650
	Community Purposes	4,1848,567	4,09210,694	3,90411,300	3,67712,238	5,21313,350	29,79135,836
	Rural and Other Uses	11,38990,849	11,611103,008	12,164106,714	12,794112,289	14,272119,476	37,219242,904
	Total	**264,388408,639**	**265,536457,852**	**268,971471,555**	**272,374492,668**	**324,549521,168**	**1,129,644016,085**
Isaac Regional Council	Retail	16,64132,402	16,84535,560	17,36036,791	17,94438,266	18,59340,128	29,36066,054
	Commercial	86,925125,809	87,990135,139	90,680138,777	93,728143,135	97,118148,636	153,362225,232
	Industry	1,349,446741,063	1,365,985782,920	1,407,739799,241	1,455,062818,796	1,507,691843,473	1,187,1212,380,832
	Community Purposes	46,19941,518	46,76545,334	48,19546,822	49,81548,604	51,61750,854	81,50982,184
	Rural and Other Uses	44,608388,001	45,154407,233	46,534414,732	48,099423,717	49,839435,055	78,701592,950
	Total	**1,543,819328,794**	**1,562,740406,185**	**1,610,508436,362**	**1,664,648472,519**	**1,724,857518,146**	**2,723,764153,540**

Table SC3.1.6—Existing and projected demand for the water supply network

Column 1 Service Catchment*	Column 2 Existing and projected demand (EP)					
	2024 (Base Date)2018	20212031	20262036	20312041	20362046	Ultimate development (capacity)
WS01 – Clermont	5,948 712	5,954 948	5,976 6,225	5,981 6,551	6,182 758	10,188129
WS02 – Moranbah	13,598 14,705	14,217 16,001	15,103 16,664	16,126 17,319	16,799 17,939	28,731 32,345
WS03 – Dysart	7,024 131	7,092 752	7,134 8,042	7,175 8,277	7,194 8,891	11,670 12,744
WS04 – Middlemount	4,733 454	4,765 764	4,784 812	4,801 857	4,819 5,113	6,728 7,344
WS05 – Glenden	1,632 2,264	1,654 2,424	1,679 2,481	1,715 2,558	1,748 2,601	3,506695
WS06 – Nebo	1,079 757	1,162 895	1,298 934	1,457 991	1,464 1155	1,846 2,165
WS07 - Carmila	157	156	156	155	162	246
WS08 - St Lawrence	309	308	308	306	320	510
TotalTOTAL	34,480 35,023	35,309 37,784	36,437 39,158	37,717 40,554	38,687 42,458	63,427 68,422

* Column 1. The service catchments for the water supply network are identified on Local Government Infrastructure Plan Map WS - 001:010008 (Plans for trunk infrastructure water supply network) in Schedule 3 (local government infrastructure mapping and tables).

Table SC3.1.7—Existing and projected demand for the sewerage network

Column 1 Service Catchment*	Column 2 Existing and projected demand (EP)					
	2024 (Base Date)2018	20212031	20262036	20312041	20362046	Ultimate development (capacity)
S01 – Clermont	5,700 451	5,706 675	5,727 939	5,733 6,250	5,923 6,448	9,713653
S02 – Moranbah	13,598 14,705	14,217 16,001	15,103 16,664	16,126 17,319	16,799 17,939	28,731 32,345
S03 – Dysart	7,024 131	7,092 752	7,134 8,042	7,175 8,277	7,194 8,891	11,670 12,744
S04 – Middlemount	4,733 454	4,765 764	4,784 812	4,801 857	4,819 5,113	6,728 7,344
S05 – Glenden	1,632 2,264	1,654 2,424	1,679 2,481	1,715 2,558	1,748 2,601	3,506695
S06 – Nebo	1,079 757	1,162 895	1,298 934	1,457 991	1,464 1155	1,846 2,165
TotalTOTAL	33,767 34,762	34,597 37,511	35,724 38,873	37,007 40,253	37,947 42,147	62,195 67,946

*Column 1. The service catchments for the sewerage network are identified on Local Government Infrastructure Plan Map SEW - 001:007 (Plans for trunk infrastructure sewerage network) in Schedule 3 (local government infrastructure mapping and tables).

Table SC3.1.8—Existing and projected demand for the transport network

Column 1 Service Catchment*	Column 2 Existing and projected demand (trips)					
	2024 (Base Date)2018	20212031	20262036	20312041	20362046	Ultimate development (capacity)
TR01 – Clermont	16,368 15,183	16,460 15,964	16,604 931	16,774 18,074	17,400 18,859	29,828433
TR02 – Moranbah	51,486 54,972	53,977 59,891	57,483 62,656	61,759 65,450	64,290 68,179	109,183 122,041
TR03 – Dysart	24,266 155	24,613 26,195	24,864 27,122	25,217 28,023	25,289 29,977	37,358 42,038
TR04 – Middlemount	17,278 16,084	17,440 312	17,562 592	17,746 812	17,802 19,023	25,861 27,833
TR05 – Glenden	6,226 8,476	6,308 9,102	6,413 9,380	6,587 9,738	6,715 9,949	13,482 14,248
TR06 – Nebo	3,939 2,728	4,264 3,235	4,783 3,395	5,414 3,627	5,441 4,260	6,870 8,021
TR07 – St. Lawrence	1,338 776	1,343 776	1,354 776	1,367 776	1,536 776	3,837310
TR08 - Remainder– Rest of LGA	76,968 80,914	82,018 93,541	85,569 96,972	89,904 102,459	91,405 108,982	165,320 184,128
TotalTOTAL	197,869 203,288	206,424 226,016	214,633 234,824	224,767 245,960	229,878 260,005	391,740 431,053

*Column 1. The service catchments for the transport network are identified on Local Government Infrastructure Plan Map TR - 001:016 (Plans for trunk infrastructure transport network) in Schedule 3 (local government infrastructure mapping and tables).

Table SC3.1.9—Existing and projected demand for the parks and land for community facilities network

Column 1 Service Catchment*	Column 2 Existing and projected demand (persons)					
	2024 (Base Date)2018	20212031	20262036	20312041	20362046	Ultimate development (capacity)
PPCL01 – Clermont	3,216 2,829	3,224 2,938	3,238 083	3,250 247	3,340 370	5,084 4,960
PPCL02 – Moranbah	12,104 13,073	12,622 14,177	13,372 14,781	14,244 15,336	14,813 15,943	24,771 28,431
PPCL03 – Dysart	5,476 382	5,512 728	5,534 836	5,557 956	5,567 6,211	6,926 8,037
PPCL04 – Middlemount	4,137 3,763	4,132 3,954	4,127 3,988	4,118 016	4,124 182	4,837 5,371
PPCL05 – Glenden	1,197 782	1,200 878	1,210 915	1,228 961	1,249 993	2,365636
PPCL06 – Nebo	7471,068	1,151 883	1,287 923	1,446 979	1,453 1113	1,834945
PPCL07 – St. Lawrence	324 160	324 160	326 160	327 160	372 160	986 838
PPCL08 - Remainder– Rest of LGA	8,981 9,088	9,520 10,816	9,891 11,255	10,329 11,977	10,485 12,789	17,514 22,878
TotalTOTAL	36,502 825	40,53237,685	38,983 41,941	40,498 43,631	41,403 45,760	64,318 75,096

*Column 1. The service catchments for the parks and land for community facilities network are identified on Local Government Infrastructure Plan Map PPLC - 001:012011 (Plans for trunk infrastructure parks and land for community facilities network) in Schedule 3 (local government infrastructure mapping and tables).

SC3.2 Schedules of works

Table SC3.2.1—Water supply network schedule of works

Column 1 Map reference	Column 2 Trunk infrastructure	Column 3 Estimated timing	Column 4 Establishment cost*
~~BRF01~~	~~Nebo - Bore Field~~	~~2019~~	~~$559,680~~
WTPF10~~BRF02~~	Dysart - SCADA~~Nebo - Bore Field~~ Upgrade	20202026	$1,010,672~~192,082~~
WTPF11~~BRF03~~	~~Nebo - Bore Field~~Moranbah - SCADA Upgrade	20282020	$1,010,672~~192,082~~
~~BRF04~~	~~Nebo - Bore Field Upgrade~~	~~2020~~	~~$192,082~~
~~PSF01~~	~~Nebo - Pump Station~~	~~2020~~	~~$0~~
~~RESF01~~	~~Nebo - 2ML Reservoir~~	~~2020~~	~~$0~~
~~RESF05~~	~~Theresa Creek Dam - Generator Upgrade~~	~~2022~~	~~$0~~
~~WTPF01~~	~~Clermont - Generator Upgrade~~	~~2019~~	~~$173,350~~
~~WTPF02~~	~~Nebo - New WTP~~	~~2019~~	~~$3,968,900~~
WTPF12~~WTPF03~~	Moranbah - WTP~~Generator~~ Upgrade	20282020	$5,333,266~~557,891~~
~~WTPF09~~	~~Middlemount - Generator Upgrade~~	~~2022~~	~~$0~~
WMF45~~RWMF01~~	~~Raw~~ Water Main (200mm)	~~2020~~2026	$216,897~~1,754,323~~
WMF46~~RWMF02~~	~~Raw~~ Water Main (200mm~~150mm~~)	~~2020~~2026	$148,851~~292,060~~
~~WMF39~~	~~Water Main (300mm)~~	~~2020~~	~~$1,395,474~~
WMF47~~WMF40~~	Water Main (200mm)	20282020	$338,104~~180,412~~
~~WMF41~~	~~Water Main (300mm)~~	~~2020~~	~~$192,949~~
WMF48~~WMF42~~	Water Main (200mm)	20282020	$255,173~~96,297~~
WMF49~~WMF43~~	Water Main (100mm~~200mm~~)	20272020	$12,904~~105,694~~
TOTAL			**$8,326,538~~9,853,277~~**

*Column 4. The establishment cost is expressed in current cost terms as at the base date

Table SC3.2.2—Sewerage network schedule of works

Column 1 Map reference	Column 2 Trunk infrastructure	Column 3 Estimated timing	Column 4 Establishment cost*
~~PSF01~~	~~Dysart PS - New~~	~~2029~~	~~$694,837~~
PSF09~~PSF03~~	Middlemount~~Clermont~~ PS - SCADA~~Wet Well Storage~~ Upgrade	20202026	$505,336~~391,301~~
PSF10~~PSF05~~	Dysart~~Clermont~~ PS - SCADA Upgrade ~~backup power~~	20262022	$252,668~~110,108~~
PSF11~~PSF06~~	Glenden~~Middlemount~~ PS - SCADA Upgrade ~~backup power~~	20262022	$379,002~~110,108~~
PSF12~~PSF07~~	Moranbah PS - SCADA~~PS2 -~~ Upgrade ~~backup power~~	20282022	$631,670~~110,108~~
PSF13~~PSF08~~	Moranbah PS - Pump~~PS15 -~~ Upgrade ~~backup power~~	20272022	$126,334~~110,108~~
~~WWTPF01~~	~~Clermont STP - Emergency Generator/Telemetry Upgrades~~	~~2019~~	~~$128,235~~
~~WWTPF03~~	~~Dysart STP - Sludge Drying Beds~~	~~2019~~	~~$821,729~~
~~WWTPF04~~	~~Middlemount STP - Sludge Drying Beds~~	~~2019~~	~~$693,161~~
~~WWTPF05~~	~~Middlemount STP - Emergency Generator/Telemetry Upgrades~~	~~2020~~	~~$128,235~~
~~WWTPF06~~	~~Dysart STP - Emergency Generator/Telemetry Upgrades~~	~~2020~~	~~$128,235~~
~~WWTPF07~~	~~Glenden STP - Emergency Generator/Telemetry Upgrades~~	~~2020~~	~~$128,235~~
~~WWTPF08~~	~~Glenden STP - Inlet Screen~~	~~2019~~	~~$391,301~~
WWTPF09	Nebo STP - Recycled Water Plant and Irrigation - Construction	20262021	$469,559~~251,550~~
WWTPF10	Nebo STP - Upgrade - Design	20262019	$126,334~~608,049~~
WWTPF10	Nebo STP - Upgrade - Construction	2027	$1,190,668

WWTPF11	Clermont STP - Effluent Polishing Plant and Pipelines	20282020	$503,100
WWTPF15	Middlemount - SCADA Upgrade	2026	$758,004
WWTPF16WWTPF12	Dysart - SCADA UpgradeSTP - Effluent Polishing Plant	20262019	$758,004535,812
WWTPF17WWTPF13	GlendenMiddlemount STP - Effluent Polishing Plant and Pipelines	20282019	$631,670549,927
WWTPF18WWTPF14	Moranbah - SCADA UpgradeClermont STP - Inlet Screen	20282020	$1,263,340894,401
EMF01	Effluent Main (300mm)	2019	$150,644
EMF02	Effluent Main (300mm)	2019	$392,412
EMF04	Effluent Main (225mm)	2019	$114,727
EMF13	Effluent Main (200mm)	2019	$46,658
EMF14	Effluent Main (200mm)	2019	$127,233
EMF16	Effluent Main (125mm)	2019	$287,184
EMF17	Effluent Main (200mm)	2019	$55,909
EMF18	Effluent Main (125mm)	2019	$160,451
EMF19	Effluent Main (200mm)	2019	$410,330
GMF14	Gravity Main (300mm)	2029	$66,097
GMF15	Gravity Main (375mm)	2029	$456,398
RMF02RMF01	Rising Main (250mm300mm)	20292027	$7,0671,389,259
TOTAL			**$7,602,75610,945,841**

*Column 4. The establishment cost is expressed in current cost terms as at the base date

Table SC3.2.3—Transport network schedule of works

Column 1 Map reference	Column 2 Trunk infrastructure	Column 3 Estimated timing	Column 4 Establishment cost*
INTF_010	Definition Works - Dysart-Saraji and Dysart-Clermont Rds	2021	$54,662
INTF_022	Definition Works - Moranbah Access Rd and Cunningham Way	2031	$54,662
INTF_001	Definition Works - Goonyella Rd and Curtin St	2031	$638,25054,662
INTF_002	Definition Works - Goonyella Rd and Mills Ave	20312027	$319,12554,662
INTF_015016	Definition Works - Peak Downs HwyWaverley St and BowenTrimmer St	20262031	$68,55954,662
INTF_016015	Definition Works - Waverley StPeak Downs Hwy and TrimmerBowen St	20262031	$68,55954,662
INTF_018	Definition Works - Mills Ave and Bacon St	2025	$68,55954,662
INTF_019	Definition Works - Mills Ave and Bacon Ln	2023	$68,55954,662
INTF_020	Definition Works - Mills Ave and Griffin St	2029	$319,12554,662
INTF_021	Definition Works - Mills Ave and Appleton St	2031	$68,55954,662
INTF_022024	DefinitionSafety Works - Moranbah AccessDysart Middlemount Rd and Cunningham WayQueen Elizabeth Dr	20202031	$68,559$0 (subsidy available)
INTF_025	Safety Works - Queen Elizabeth Dr and Caswell St	2020	$0 (subsidy available)
INTF_026	Safety Works - Queen Elizabeth Dr and Beardmore Cres	2020	$0 (subsidy available)
INTF_027	Safety Works - Queen Elizabeth Dr	2020	$0 (subsidy available)
INTF_029	Safety Works - Queen Elizabeth Dr	2020	$0 (subsidy available)
INTF_030	Safety Works - Queen Elizabeth Dr	2020	$0 (subsidy available)
INTF_040031	Safety Works - Moranbah accessCopperfield Rd, Jellicoe St and Moranbah Airport accessFrancis St	20302020	$638,250$0 (subsidy available)
INTF_032	Safety Works - Jellicoe St and Tropic St	2020	$0 (subsidy available)
INTF_033	Safety Works - Tropic St and Herschel St	2020	$0 (subsidy available)
INTF_034	Safety Works - Capricorn St and Herschel St	2020	$0 (subsidy available)

~~INTF_035~~	~~Safety Works - Tropic St and Box St~~	~~2020~~	~~$0 (subsidy available)~~
~~INTF_036~~	~~Safety Works - Capricorn St and Box St~~	~~2020~~	~~$0 (subsidy available)~~
~~INTF_037~~	~~Safety Works - Capricorn St and Lime St~~	~~2020~~	~~$0 (subsidy available)~~
~~INTF_038~~	~~Safety Works - Belyando Ave and Griffin St~~	~~2020~~	~~$0 (subsidy available)~~
~~INTF_039~~	~~Safety Works - Clements St and McCool St~~	~~2020~~	~~$0 (subsidy available)~~
~~STF_001~~	~~Moranbah Access Road~~	~~2026~~	~~$22,565,233~~
~~STF_002~~	~~Rural Major Collector - Peakvale Rd (ch 50.41)~~	~~2021~~	~~$17,517~~
~~STF_003~~	~~Rural Major Collector - Peakvale Rd (ch 40.38)~~	~~2021~~	~~$17,517~~
~~STF_004~~	~~Rural Major Collector - Peakvale Rd (ch 39.54)~~	~~2021~~	~~$17,517~~
~~STF_005~~	~~Rural Major Collector - Peakvale Rd (ch 37.80)~~	~~2021~~	~~$17,517~~
~~STF_006~~	~~Rural Major Collector - Peakvale Rd (ch 27.81)~~	~~2021~~	~~$17,517~~
~~STF_007~~	~~Rural Major Collector - Peakvale Rd (ch 21.61)~~	~~2021~~	~~$17,517~~
~~STF_008~~	~~Rural Major Collector - Peakvale Rd (ch 8.30)~~	~~2021~~	~~$17,517~~
~~STF_009~~	~~Rural Sub Arterial - Booroondarra Capella Road (ch 19.25)~~	~~2021~~	~~$17,517~~
~~STF_010~~	~~Rural Sub Arterial - Booroondarra Capella Road (ch 20.27)~~	~~2021~~	~~$17,517~~
~~STF_011~~	~~Rural Sub Arterial - Booroondarra Capella Road (ch 21.47)~~	~~2021~~	~~$17,517~~
~~STF_012~~	~~Rural Sub Arterial - Booroondarra Capella Road (ch 22.68)~~	~~2021~~	~~$17,517~~
~~STF_013~~	~~Rural Sub Arterial - Booroondarra Capella Road (ch 23.94)~~	~~2021~~	~~$17,517~~
~~STF_014~~	~~Rural Sub Arterial - Booroondarra Capella Road (ch 24.90)~~	~~2021~~	~~$17,517~~
STF_015	Floodway~~Rural Major Collector~~ - Turrawulla Road (ch 50.42)	20302021	$17,517
STF_016	Bridge~~Rural Sub Arterial~~ - Saraji Road	20272021	$98,195
STF_019017	Bridge - Moranbah Access Road~~Rural Major Collector - Golden Mile Road~~	20282021	$5,641,308~~106,544~~
~~STF_018~~	~~Rural Major Collector - Golden Mile Road~~	~~2021~~	~~$106,544~~
TRF_043022	Urban ~~Sub~~ Arterial Road - Moranbah Access Road	20292031	$638,250~~2,949,640~~
TRF_023	Urban ~~Sub~~ Arterial Road - Goonyella Road	2031	$7,017,952~~5,595,462~~
TRF_033	Urban Major Collector Road - Jeffrey Street	2031	$6,812,373~~5,431,552~~
TRF_034	Urban Major Collector Road - Water Street	2021	$642,683~~512,416~~
TRF_036	Urban Major Collector Road - McDonald Flat Road	2031	$4,869,702~~3,882,647~~
TRF_037	Rural ~~Major~~ Collector Road (Class 4) - Valkyrie Road	2021	$3,262,014~~2,600,826~~
TRF_038	Urban Major Collector Road - Bacon Street	2021	$103,417~~82,455~~
TRF_039	Urban Arterial Road - Moranbah - Peak Downs Highway second access	2035	$3,829,500
TRF_040	Urban Arterial Road - Moranbah north eastern access road - bypass	2037	$2,553,000
TRF_041	Urban Major Collector Road - Sarchedon road - upgrade western sport upgrade	2028	$638,250
TRF_042	Rural Major Collector - Greenhill Road	2027	$319,125
TRF_044	Rural Arterial Road - Peak Downs Mine Road	2026	$153,180
TRF_045	Rural Arterial Road - Saraji Road	2026	$159,563
TRF_046	Rural Arterial Road - Golden Mile Road	2028	$236,153
TRF_047	Rural Arterial Road - Peak Downs Mine Road	2029	$210,623
TRF_048	Rural Arterial Road - Saraji Road	2028	$140,415
PWF01	Cycleway - Capricorn Street	20302021	$206,010~~164,253~~
PWF02	Cycleway - Capricorn Street	20302021	$51,619~~41,156~~
PWF03	Cycleway - Moranbah Access Road	20292021	$344,171~~274,410~~
PWF04	Cycleway - Moranbah Access Road (Grosvenor to Airport)	2029	$638,250
PWF05	Cycleway - Moranbah Access Road (Grosvenor to IREP)	2027	$255,300
PWF06	Cycleway - Grosvenor Creek Footpath - stage 1	2028	$777,000
PWF07	Cycleway - Grosvenor Creek Footpath - stage 2	2032	$255,300

TOTAL	**$42,196,97045,203,197**

*Column 4. The establishment cost is expressed in current cost terms as at the base date

Table SC3.2.4—Parks and land for community facilities schedule of works

Column 1 Map reference	Column 2 Trunk infrastructure	Column 3 Estimated timing	Column 4 Establishment cost*
PF21PF01	Greenhill RecFuture Park (Local Recreation)	20272031	$215,634500,939
PF18	Skate Park/Ted Rolfe Oval (Local Recreation)	2020	$151,827
PF19	Clairview Park (District Recreation)	2020	$16,609
PF22PF20	Blair Athol RecreationalCarmila Sports GroundGrounds (Sports Park)	20272020	$150,00070,147
PF23	Greenhill Rec Park	2029	$225,000
TOTAL			**$590,634739,521**

*Column 4. The establishment cost is expressed in current cost terms as at the base date

SC3.3 Local government infrastructure plan maps

Table SC3.3.1—Map index

Map number	Map title	Gazettal date
PIA (001-009)	Priority Infrastructure Area	1 April 2021
WS (001-010~~008~~)	Plans for trunk infrastructure water supply network	TBD~~1 April 2021~~
SEW (001:007)	Plans for trunk infrastructure sewerage network	TBD~~1 April 2021~~
TR (001:016)	Plans for trunk infrastructure transport network	TBD~~1 April 2021~~
PPCL (001:012~~011~~)	Plans for trunk infrastructure parks and land for community facilities network	TBD~~1 April 2021~~

~~Local Government Infrastructure Plan Map LGIP Priority infrastructure area PIA - 001:009~~

~~Local Government Infrastructure Plan Map LGIP Plans for trunk infrastructure water supply network WS - 001:008~~

~~Local Government Infrastructure Plan Map LGIP Plans for trunk infrastructure sewerage network SEW - 001:007~~

~~Local Government Infrastructure Plan Map LGIP Plans for trunk infrastructure transport network TR - 001:016~~

~~Local Government Infrastructure Plan Map LGIP Plans for trunk infrastructure parks and land for community facilities network PPCL - 001:011~~