



Section 5

Rockdale Wetlands Corridor

Corridor Findings

Unique Characteristics

The Rockdale Wetlands Corridor consists of natural and altered open spaces, with the northern part of the corridor highly modified, and further south consisting of a mix of remnant and re-instated wetlands and large, exposed open spaces. Wetland, extensive areas of saltmarsh, and remnant vegetation provide habitat, but are disconnected and are incomplete ecological systems across the corridor. Notably, the corridor contains Endangered Ecological Communities, which should be preserved and expanded where possible.

The corridor is located in a highly populated area of the LGA, and close to key transport nodes and local centres. It currently offers a wide range of community amenities including sport fields, courts, playgrounds and passive parkland spaces.

Opportunities

The Rockdale Wetlands Corridor is a green spine that offers a range of recreational and civic uses, and should be established as the focus of community life.

The design of the corridor will balance the needs of the community for recreational space with regeneration and protection of waterways and habitat corridors. Establishment of connected vegetation corridors, riparian zones and protection of significant stands of vegetation will provide healthy natural systems. Cultural design interventions, such as wetlands walks, playground design and theming, and indigenous community gardens will engage with community and share the Aboriginal connection to Country.

Major open spaces should be located with proximity to key centres and increasing population areas. Clustering of multiple uses within the key open spaces ensures that they are highly visited and become a focus for community engagement.

Reconfiguration of existing sport field and court areas allows for a higher number of fields and types of sports that are catered for across the corridor. Flexible turn up and play spaces, skate parks, fitness stations and upgraded and additional play grounds will ensure a wide variety of ages are catered for.

Opportunities to enhance this corridor have been identified based on an analysis of cultural, movement and environmental needs. When detailed design occurs the past land uses and ecological conditions must be considered to ensure that change responds to specific characteristics of that space.



Saltmarsh, adjacent Barton Park

Corridor Specific Objectives

Blue Green Networks

Promote local species and local initiatives for Custodianship and ecological preservation

Implement significant WSUD initiatives to improve water quality, reduce loads and flow rates and ensure resilience to future climate change impacts

Physically connect new and proposed blue-green elements via 'green streets' between disconnected sections of the corridor

Preserve and expand on significant stands of vegetation and habitat areas including salt marsh, mangroves, and bushland that support golden frog and migratory bird habitats

Establish riparian zones to water ways with bioswales and stormwater management to leaching from adjacent sporting field

Investigate opportunities to increase greening in reserves and where possible implement best practice water management in open space. In some locations detailed interventions have been proposed. At the detailed design stage these may need to be modified to design for the specific place

Places for People

Promote ecologically significant elements and local narratives with place for community

Upgrade Tonbridge Street Reserve as a key community park for the southern portion of the LGA with play, youth space, informal sport and event space

Movement

Increase accessibility and managerial input from local initiatives, communities, land council's and local rangers

Provide an active transport route through the corridor, linking Muddy Creek to Bestic Street

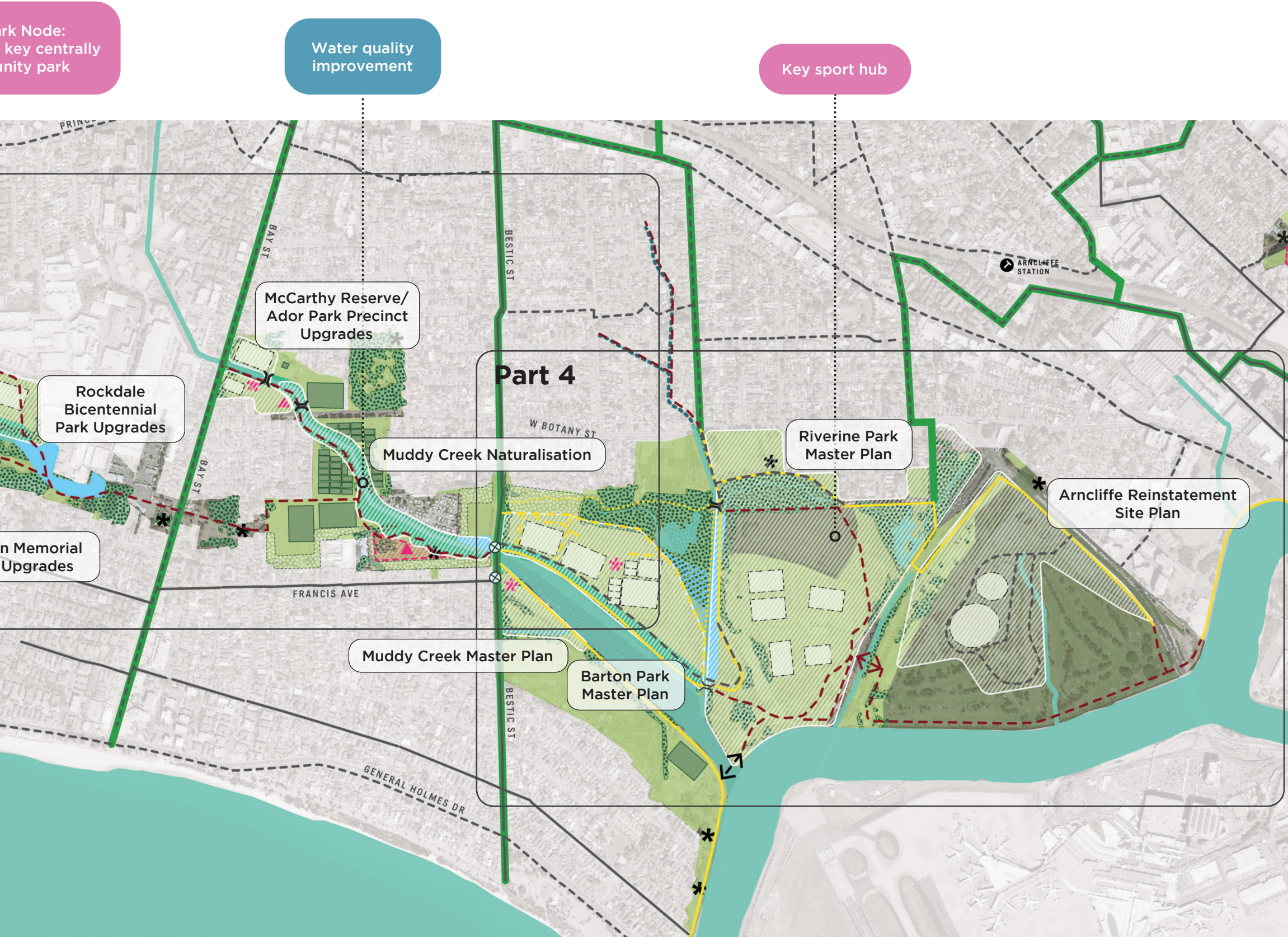
Provide cross street, bridge and pedestrian pathway connections that link to local centres and adjoining Green Grid corridors



Key Moves and Overall Spatial Framework



Section 5 – Rockdale Wetlands Corridor



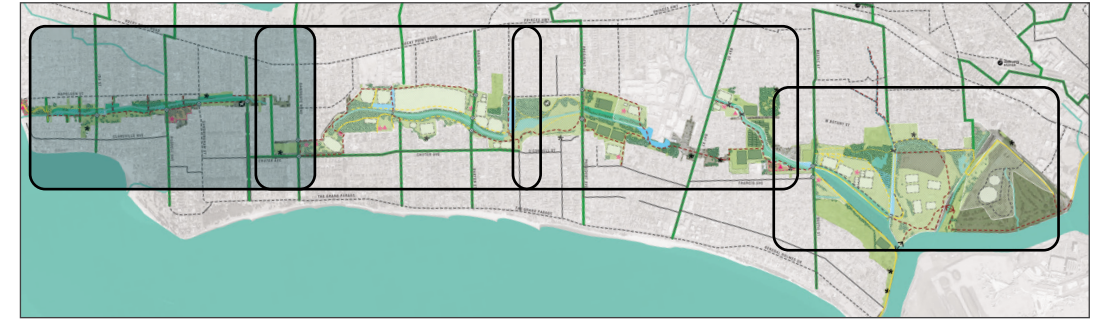
Park Node:
key centrally
unity park

Water quality
improvement


















Key sport hub

Legend	
	Master plans done by others
	Train Station
	Green connector streets
MOVEMENT	
	Existing bridge connections
	Cycle links - Existing on streets (Bayside Bike Plan)
	Cycle links - Proposed on streets (Bayside Bike Plan)
	Proposed shared path (3.0-4.5m)
	Proposed pedestrian path (2.0m)
	Proposed track/boardwalk (2.0m)
	Existing pedestrian pathway
	Future Visionary Link
GREEN BLUE NETWORK	
	Open green space
	New riparian buffer (Varies 10-40m according to creek order)
	Existing vegetation
	Vegetation corridor connector
	Extended salt marsh zone
	Proposed wetland area
	Biofiltration/sedimentation basin blister
	Biofiltration/sedimentation basin (Bardwell Valley WSUD Opportunities Plan)
PLACES FOR PEOPLE	
	Existing sports (court/field)
	Proposed sports (court/field)
	Proposed park upgrade area
	Existing playspace
	Proposed/upgraded playspace
	Proposed/upgraded youth spaces
	Existing Dog Park

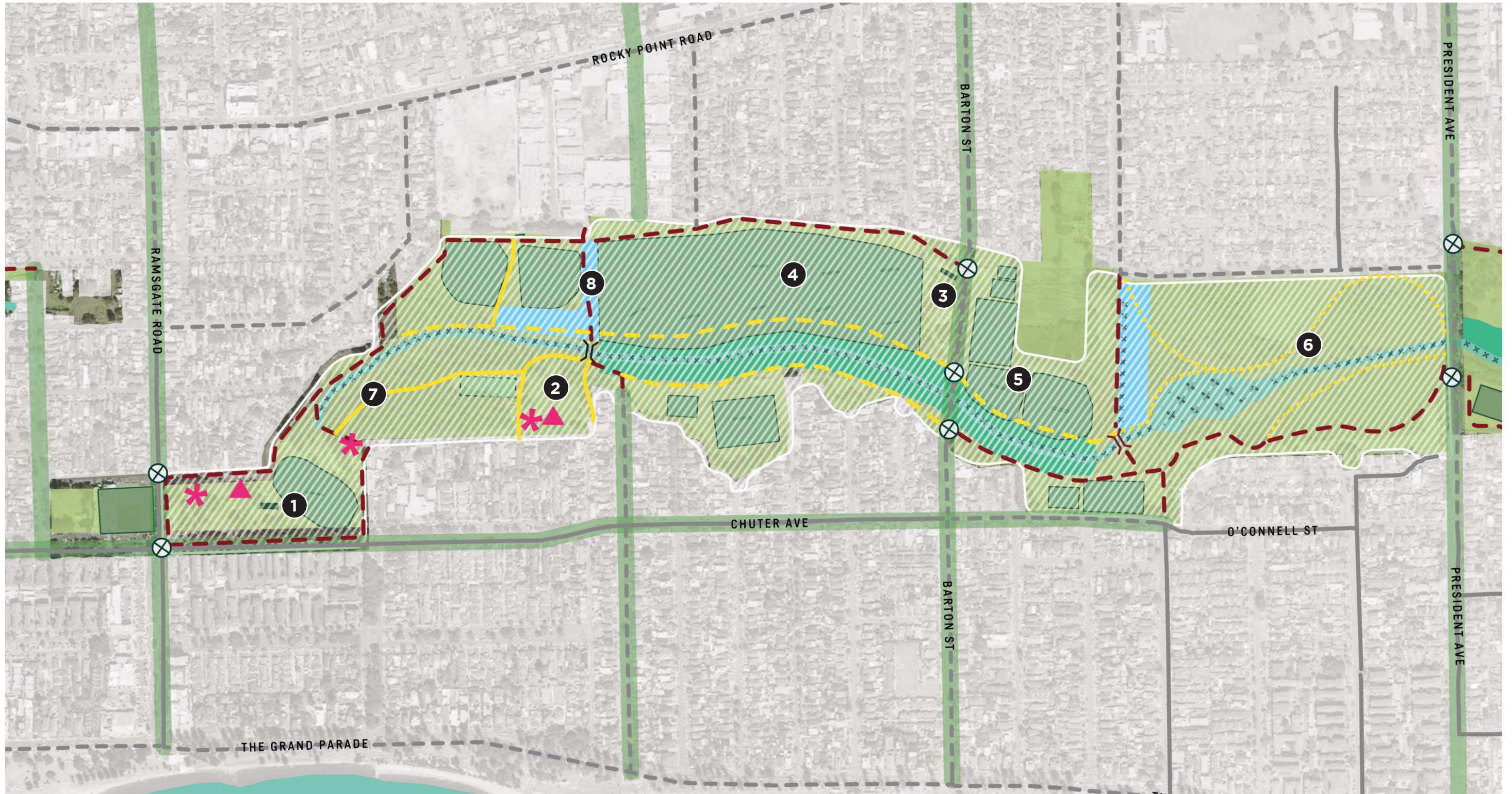
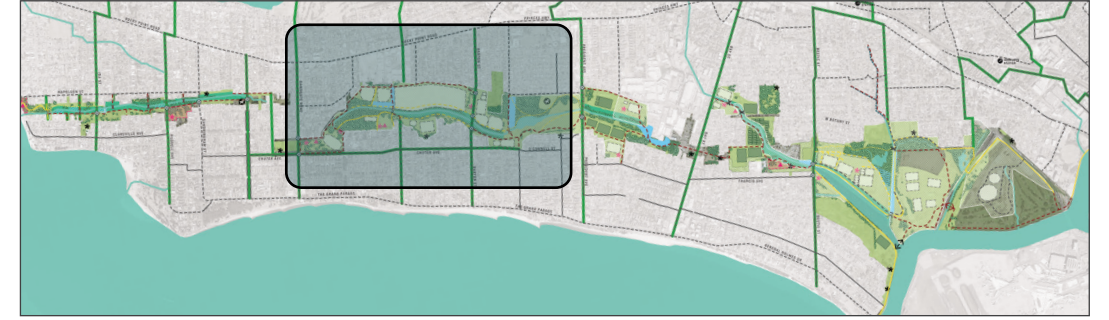
Rockdale Wetlands Corridor - Part 1























Section 5 – Rockdale Wetlands Corridor

		Strategies	Benefit
MOVEMENT			
RW1	 Cycle Links - Existing on streets (Bayside Bike Plan)	<ul style="list-style-type: none"> Existing cycle path on road 	<ul style="list-style-type: none"> Promote active transport
RW2	 Cycle Links - Proposed on streets (Bayside Bike Plan)	<ul style="list-style-type: none"> Proposed cycle path on road 	<ul style="list-style-type: none"> Promote active transport
RW3	 Proposed Shared Path (3.0m)	<ul style="list-style-type: none"> New shared path through corridor. Located to respect riparian corridor. Investigate opportunities to incorporate wayfinding and lighting where appropriate The proposed share path is located within the M6 Stage 2 corridor. Any potential works within this area may need to be modified. 	<ul style="list-style-type: none"> Support active transport
RW4	 Proposed Pedestrian Path (2.0m)	<ul style="list-style-type: none"> New pedestrian path, Located to respect riparian corridor. Investigate opportunities to incorporate wayfinding and lighting where appropriate 	<ul style="list-style-type: none"> Support active transport
RW5	 Proposed track/ boardwalk (2.0m)	<ul style="list-style-type: none"> Informal pedestrian path (sustainable permeable material with a natural look such as decomposed granite or similar) and boardwalk to connect to water's edge and viewing points and interpretation graphic/installation Potential for additional managed bird hide 	<ul style="list-style-type: none"> Connect to water's edge Education
RW6	 Existing pedestrian pathway	<ul style="list-style-type: none"> Retain existing pathway 	<ul style="list-style-type: none"> Provide connected pathway networks
RW7	 Green Connectors	<ul style="list-style-type: none"> Upgraded streets and green links with generous pedestrian footpaths, cycle path, tree planting and WSUD where possible Wayfinding and signage 	<ul style="list-style-type: none"> Support access to corridor, clarity of wayfinding Increase habitat areas and canopy cover
BLUE GREEN NETWORK			
RW8	 Weed management zone/water improvement	<ul style="list-style-type: none"> Weed removal and revegetation area Refer to Rockdale City Council Aquatic Weed Management Strategy, Nov 2011 Preparation of Waterways Management Plan within Sans Souci waterways 	<ul style="list-style-type: none"> Improve habitat and vegetation corridors
RW9	 New Riparian buffer	<ul style="list-style-type: none"> New riparian buffer (tree and understorey planting of endemic species) Width of Riparian buffer varies 10-40m according to waterway order 	<ul style="list-style-type: none"> Improve habitat zone, increase canopy cover Improve water quality and reduce sediments
RW10	 Biofiltration/sedimentation basin	<ul style="list-style-type: none"> New biofiltration basin located at stormwater outlet to filter stormwater prior to entering waterway 	<ul style="list-style-type: none"> Improve water quality and reduce sediments
RW11	 Salt marsh	<ul style="list-style-type: none"> New salt marsh zones and naturalisation (de-channelisation) of watercourse. 	<ul style="list-style-type: none"> Improve water quality, reduce flooding impacts, Increase habitat area
RW12	 Biofiltration blister/kerb extension	<ul style="list-style-type: none"> New kerb extension at street crossing Utilise blister for Bio filtration/ sedimentation basin to capture road runoff and remove contaminants prior to discharge into creek system 	<ul style="list-style-type: none"> Improve water quality and reduce sediments Provide safe street crossing point
PLACES FOR PEOPLE			
RW13	 Scott Park	<ul style="list-style-type: none"> Investigate opportunities to upgrade existing playground to include youth skate/scooter plaza area park, hit up wall, half court basketball/ multi-purpose enclosed sport court for small spaces 	<ul style="list-style-type: none"> Improve quality and variety of play within the LGA Improve provision of youth facilities in LGA
RW14	 Bado-berong Creek walk	<ul style="list-style-type: none"> Extend pedestrian pathway with permeable surface alongside new saltmarsh area Wayfinding and educational overlay (local language and Country) 	<ul style="list-style-type: none"> Education
RW15	 Stan Moses Reserve	<ul style="list-style-type: none"> Investigate this area, or look for suitable location for a meeting area (composite timber deck with perimeter seating) for custodial engagement Wayfinding and educational overlay (local language and Country) 	<ul style="list-style-type: none"> Promote local and cultural education
RW16	 Clareville Reserve	<ul style="list-style-type: none"> Expand on existing playspace with additional multi-generational play including rope play and climbing structure Cultural playground with educational overlay for custodianship including information about local species and waterways Passive park upgrades including path network, seating and picnic areas This area is located within the M6 Stage 2 corridor. Any potential works within this area may need to be modified 	<ul style="list-style-type: none"> Improve quality and variety of play within the LGA Promote local and cultural education
RW17	 Bado-berong Creek community garden	<ul style="list-style-type: none"> New community garden promoting local species initiatives at the termination of Bado-berong Creek Ecological preservation. Encourage local initiatives such as Indigi-grow for management and participation 	<ul style="list-style-type: none"> Environmental and cultural education Promote local vegetation



















Rockdale Wetlands Corridor - Part 2



Section 5 – Rockdale Wetlands Corridor

		Strategies	Benefit
MOVEMENT			
RW18	 Cycle Links - Existing on streets (Bayside Bike Plan)	<ul style="list-style-type: none"> Existing cycle path on road 	<ul style="list-style-type: none"> Promote active transport
RW19	 Cycle Links - Proposed on streets (Bayside Bike Plan)	<ul style="list-style-type: none"> Proposed cycle path on road 	<ul style="list-style-type: none"> Promote active transport
RW20	 Proposed Shared Path (4.5m)	<ul style="list-style-type: none"> New shared path through corridor. Located to respect riparian corridor. Investigate opportunities to incorporate wayfinding and lighting where appropriate 	<ul style="list-style-type: none"> Support active transport
RW21	 Proposed Pedestrian Path (2.0m)	<ul style="list-style-type: none"> New pedestrian path, Located to respect riparian corridor. Investigate opportunities to incorporate wayfinding and lighting where appropriate 	<ul style="list-style-type: none"> Support active transport
RW22	 Proposed track/ boardwalk (2.0m)	<ul style="list-style-type: none"> Informal pedestrian path (sustainable permeable material with a natural look such as decomposed granite or similar) and boardwalk to connect to water's edge and viewing points and interpretation graphic/installation 	<ul style="list-style-type: none"> Limit impacts on riparian zone Education
RW23	 Existing pedestrian pathway	<ul style="list-style-type: none"> Retain existing pathway 	<ul style="list-style-type: none"> Provide connected pathway networks
RW24	 Green Connectors	<ul style="list-style-type: none"> Upgraded streets and green links with generous pedestrian footpaths, cycle path, tree planting and WSUD where possible Wayfinding and signage 	
RW25	 Bridge Crossings	<ul style="list-style-type: none"> New pedestrian bridge crossing across waterway 	<ul style="list-style-type: none"> Support access to corridor
BLUE GREEN NETWORK			
RW26	 Weed management zone	<ul style="list-style-type: none"> Weed removal and revegetation area Refer to Rockdale Council Aquatic Weed Management Strategy, Nov 2011 	<ul style="list-style-type: none"> Improve habitat and vegetation corridors
RW27	 New Riparian buffer	<ul style="list-style-type: none"> New riparian buffer (tree and understorey planting of endemic species) Width of Riparian buffer varies 10-40m according to waterway order 	<ul style="list-style-type: none"> Improve habitat zone, increase canopy cover Improve water quality and reduce sediments
RW28	 Bio filtration blister/ kerb extension	<ul style="list-style-type: none"> New kerb extension at street crossing to capture road runoff and remove contaminants prior to discharge into creek system 	
RW29	 Bio filtration/ sedimentation basin (WSUD Opportunities Plan)	<ul style="list-style-type: none"> De-channelisation of waterway and creation of bio-filtration basin 	<ul style="list-style-type: none"> Improve water quality and reduce sediments
PLACES FOR PEOPLE			
RW30	 Tonbridge Street Reserve (Refer Scarborough Parks Master Plan)	<ul style="list-style-type: none"> Master plan upgrades included upgrade to passive park space, multipurpose linemarking for existing grass field, upgrade existing playground Add new youth space (half court/ flexible turn up and play/ hit up wall/ multi-purpose enclosed sport court for small spaces) Add new event space (utilise existing embankment to fields) 	<ul style="list-style-type: none"> Establish Tonbridge Reserve as key community node Promote active lifestyle Improve provision of youth facilities in LGA
RW31	 Hawthorne Reserve (Refer Scarborough Parks Master Plan)	<ul style="list-style-type: none"> Master plan upgrades include upgrade existing sportsfields, and increase in park amenity including seating and lighting Investigate expansion of youth space, such as a half court where appropriate 	<ul style="list-style-type: none"> Expand variety of play experiences in LGA Improve provision of youth facilities in LGA
RW32	 New nature playspace (mud-crab)	<ul style="list-style-type: none"> Cultural playground with educational overlay for custodianship including information about local species and waterways such as the mud-crab 	<ul style="list-style-type: none"> Expand variety of play experiences in LGA
RW33	 Scarborough Master plan (Refer Scarborough Parks Master Plan)	<ul style="list-style-type: none"> Master plan upgrades included new multipurpose fields, walking trails 	<ul style="list-style-type: none"> Establish Scarborough Park as key sport node
RW34	 Scarborough Fitness circuit	<ul style="list-style-type: none"> Introduce running path and fitness circuit 	<ul style="list-style-type: none"> Expand use of sport fields for all ages fitness
RW35	 Civic Avenue Reserve (Refer Scarborough Parks Master Plan)	<ul style="list-style-type: none"> Master plan upgrade includes weed removal, establishment of bioswale areas, new walking paths and picnic areas Establish 'Chain of ponds trail' to include culinary species of cultural significance to signify an ecological refuge and meeting place Pilot wetland custodians program (initiative for community to engage/monitor water quality and wetland health) 	<ul style="list-style-type: none"> Establish Civic Avenue Reserve as key civic node Environmental and cultural education
RW36	 Interpretation 'The little fish place'	<ul style="list-style-type: none"> Interactive educational overlay for waterways being a refuge/nursery for young fish 	<ul style="list-style-type: none"> Environmental and cultural education, engage with schools
RW37	 Tonbridge Fish Nursery	<ul style="list-style-type: none"> Create a wetland upstream of Tonbridge Fish Nursery 	<ul style="list-style-type: none"> Habitat enhancement and water quality improvement





















Section 5 – Rockdale Wetlands Corridor

		Strategies	Benefit
MOVEMENT			
RW38	 Cycle Links - Existing on streets (Bayside Bike Plan)	<ul style="list-style-type: none"> Existing cycle path on road 	<ul style="list-style-type: none"> Promote active transport
RW39	 Cycle Links - Proposed on streets (Bayside Bike Plan)	<ul style="list-style-type: none"> Proposed cycle path on road 	<ul style="list-style-type: none"> Promote active transport
RW40	 Proposed Shared Path (4.5m)	<ul style="list-style-type: none"> New shared path through corridor. Located to respect riparian corridor. Investigate opportunities to incorporate wayfinding and lighting where appropriate 	<ul style="list-style-type: none"> Support active transport
RW41	 Proposed Pedestrian Path (2.0m)	<ul style="list-style-type: none"> New pedestrian path, Located to respect riparian corridor. Investigate opportunities to incorporate wayfinding and lighting where appropriate 	<ul style="list-style-type: none"> Support active transport
RW42	 Proposed track/ boardwalk (2.0m)	<ul style="list-style-type: none"> Informal pedestrian path (sustainable permeable material with a natural look such as decomposed granite or similar) and boardwalk to connect to water's edge and viewing points and interpretation graphic/installation 	<ul style="list-style-type: none"> Limit impacts on riparian zone Connect to water's edge Education
RW43	 Existing pedestrian/ shared pathway	<ul style="list-style-type: none"> Retain existing pathway 	<ul style="list-style-type: none"> Provide connected pathway networks
RW44	 Bridge Crossings	<ul style="list-style-type: none"> New pedestrian bridge crossing across waterway 	<ul style="list-style-type: none"> Support access to corridor
RW45	 Green Connectors	<ul style="list-style-type: none"> Upgraded streets and green links with generous pedestrian footpaths, cycle path, tree planting and WSUD where possible Wayfinding and signage 	<ul style="list-style-type: none"> Support access to corridor, clarity of wayfinding Increase habitat areas and canopy cover
BLUE GREEN NETWORK			
RW46	 Weed management zone	<ul style="list-style-type: none"> Weed removal and revegetation area. 	<ul style="list-style-type: none"> Improve habitat and vegetation corridors
RW47	 New Riparian buffer	<ul style="list-style-type: none"> New riparian buffer (tree and understorey planting of endemic species) Width of Riparian buffer varies 10-40m according to waterway order 	<ul style="list-style-type: none"> Improve habitat zone, increase canopy cover Improve water quality and reduce sediments
RW48	 Bio filtration/ sedimentation basin	<ul style="list-style-type: none"> New 'industrial' sand and gravel biofiltration basin located adjacent to industrial area to filter stormwater prior to entering waterway 	<ul style="list-style-type: none"> Improve water quality and reduce sediments
RW49	 Vegetation corridor connector	<ul style="list-style-type: none"> New native vegetation planting 	<ul style="list-style-type: none"> Improve habitat zone Green connection + Increase canopy cover
RW50	 Bio filtration blister/ kerb extension	<ul style="list-style-type: none"> New kerb extension at street crossing Utilise blister for Bio filtration/ sedimentation basin to capture road runoff and remove contaminants prior to discharge into creek system 	<ul style="list-style-type: none"> Improve water quality and reduce sediments Provide safe street crossing point
PLACES FOR PEOPLE			
RW51	 Muddy Creek Naturalisation (Sydney Water Master plan)	<ul style="list-style-type: none"> Creek naturalisation and bio filtration basin, riparian corridor establishment New pathway network 	<ul style="list-style-type: none"> Increase creek area, reduce flooding impacts Reduce contaminants entering waterway
RW52	 McCarthy Reserve Upgrade (TfNSW)	<ul style="list-style-type: none"> Upgrade sportsfields Youth space, playspace 	<ul style="list-style-type: none"> Promote active lifestyle Improve provision of youth facilities in LGA
RW53	 Bicentennial Park Upgrade (TfNSW)	<ul style="list-style-type: none"> Upgraded sportsfield, amenities, upgraded playspace 	<ul style="list-style-type: none"> Promote active lifestyle Expand variety of play experiences in LGA
RW54	 New fitness area	<ul style="list-style-type: none"> Introduce fitness circuit 	<ul style="list-style-type: none"> Expand use of sport fields for all ages fitness
RW55	 Whiteoak Reserve	<ul style="list-style-type: none"> Active youth space, half court/ recreational cycle path Passive park upgrades with path network, seating, picnic areas and canopy tree planting 	<ul style="list-style-type: none"> Promote active lifestyle Expand variety of play experiences in LGA

Rockdale Wetlands Corridor - Part 4



Section 5 – Rockdale Wetlands Corridor

		Strategies	Benefit
MOVEMENT			
RW56	 Cycle Links - Existing on streets (Bayside Bike Plan)	<ul style="list-style-type: none"> Existing cycle path on road 	<ul style="list-style-type: none"> Promote active transport
RW57	 Cycle Links - Proposed on streets (Bayside Bike Plan)	<ul style="list-style-type: none"> Proposed cycle path on road 	<ul style="list-style-type: none"> Promote active transport
RW58	 Proposed Shared Path (4.5m)	<ul style="list-style-type: none"> New shared path through corridor. Located to respect riparian corridor. Investigate opportunities to incorporate wayfinding and lighting where appropriate 	<ul style="list-style-type: none"> Support active transport
RW59	 Proposed Pedestrian Path (2.0m)	<ul style="list-style-type: none"> New pedestrian path, Located to respect riparian corridor. Investigate opportunities to incorporate wayfinding and lighting where appropriate 	<ul style="list-style-type: none"> Support active transport
RW60	 Proposed track/ boardwalk (2.0m)	<ul style="list-style-type: none"> Informal pedestrian path (sustainable permeable material with a natural look such as decomposed granite or similar) and boardwalk to connect to water's edge and viewing points and interpretation graphic/installation Potential for additional managed bird hide 	<ul style="list-style-type: none"> Limit impacts on riparian zone Connect to water's edge Education
RW61	 Existing pedestrian/ shared pathway	<ul style="list-style-type: none"> Retain existing pathway 	<ul style="list-style-type: none"> Provide connected pathway networks
RW62	 Visionary Link	<ul style="list-style-type: none"> Proposed future 'visionary link'- bridge connection across Muddy Creek (subject to future stakeholder engagement) 	<ul style="list-style-type: none"> Provide connected pathway networks
RW63	 Green Connectors	<ul style="list-style-type: none"> Upgraded streets and green links with generous pedestrian footpaths, cycle path, tree planting and WSUD where possible Wayfinding and signage 	<ul style="list-style-type: none"> Support access to corridor, clarity of wayfinding Increase habitat areas and canopy cover
BLUE GREEN NETWORK			
RW64	 Weed management zone	<ul style="list-style-type: none"> Weed removal and re vegetation area. 	<ul style="list-style-type: none"> Improve habitat and vegetation corridors
RW65	 New riparian buffer	<ul style="list-style-type: none"> New riparian buffer (tree and understorey planting of endemic species) Width of Riparian buffer varies 10-40m according to waterway order 	<ul style="list-style-type: none"> Improve habitat zone, increase canopy cover Improve water quality and reduce sediments
RW66	 Vegetation corridor connector	<ul style="list-style-type: none"> New native vegetation planting 	<ul style="list-style-type: none"> Improve habitat zone Green connection + Increase canopy cover
RW67	 Salt marsh	<ul style="list-style-type: none"> Extend salt marsh zone 	<ul style="list-style-type: none"> Increase habitat area Improve water quality
RW68	 Bio filtration blister/ kerb extension	<ul style="list-style-type: none"> New kerb extension at street crossing Utilise blister for Bio filtration/ sedimentation basin to capture road runoff and remove contaminants prior to discharge into creek system 	<ul style="list-style-type: none"> Improve water quality and reduce sediments Provide safe street crossing point
PLACES FOR PEOPLE			
RW69	 Studdert Reserve Upgrade (Refer Master Plan)	<ul style="list-style-type: none"> Master plan works include passive park upgrade, upgraded playspace Upgrade existing community garden to include native species 	<ul style="list-style-type: none"> Improve quality and variety of play within the LGA Community education
RW70	 Barton Park Upgrade (Refer Master Plan)	<ul style="list-style-type: none"> Master Plan works include upgraded sportsfields and multipurpose courts, new playspace and fitness circuit 	<ul style="list-style-type: none"> Promote active lifestyle
RW71	 Riverine Park (Refer Master Plan)	<ul style="list-style-type: none"> Master Plan works include new sportsfield upgrades, new path circuit 	<ul style="list-style-type: none"> Promote active lifestyle Improve provision of youth facilities in LGA
RW72	 Marsh Street Open Space (TfNSW)	<ul style="list-style-type: none"> Master Plan works include new sport fields, youth/ play space 	<ul style="list-style-type: none"> Promote active lifestyle Improve provision of youth facilities in LGA
RW73	 Riverine Park West- Passive Park Upgrade	<ul style="list-style-type: none"> Upgrade passive park space with new BBQ/ picnic zones, shelters, stroll paths and garden Provide new off leash dog area 	<ul style="list-style-type: none"> Increase canopy cover Promote community interaction
RW74	 The Bird Watch trail	<ul style="list-style-type: none"> Upgrade composite timber boardwalk and new managed bird hide Wayfinding and educational overlay (local language and Country) 	<ul style="list-style-type: none"> Environmental protection Education
RW75	 Wetlands restoration	<ul style="list-style-type: none"> Investigate restoration of the wetlands including the naturalisation of Spring Street Channel (allow for planting of wetland area in low lying land and create habitat) 	

