

Proposed Hydrology and Lake Improvements Plan



- KEY**
- DRAINAGE AND LAKE IMPROVEMENTS
- EXISTING GRASS OR VEGETATED SWALE
 - PROPOSED GRASS OR VEGETATED SWALE (WITH FLOW DIRECTION)
 - PROPOSED WETLAND
 - PROPOSED WETLAND VEGETATION
 - INFLOW / OUTFLOW

Enhance the amenity and sustainability of Park waterbodies to improve the landscape experience, mitigate flooding and increase water capture and storage for re-use. Consolidate lakes precinct into improved area that reflects design intent of original plans.

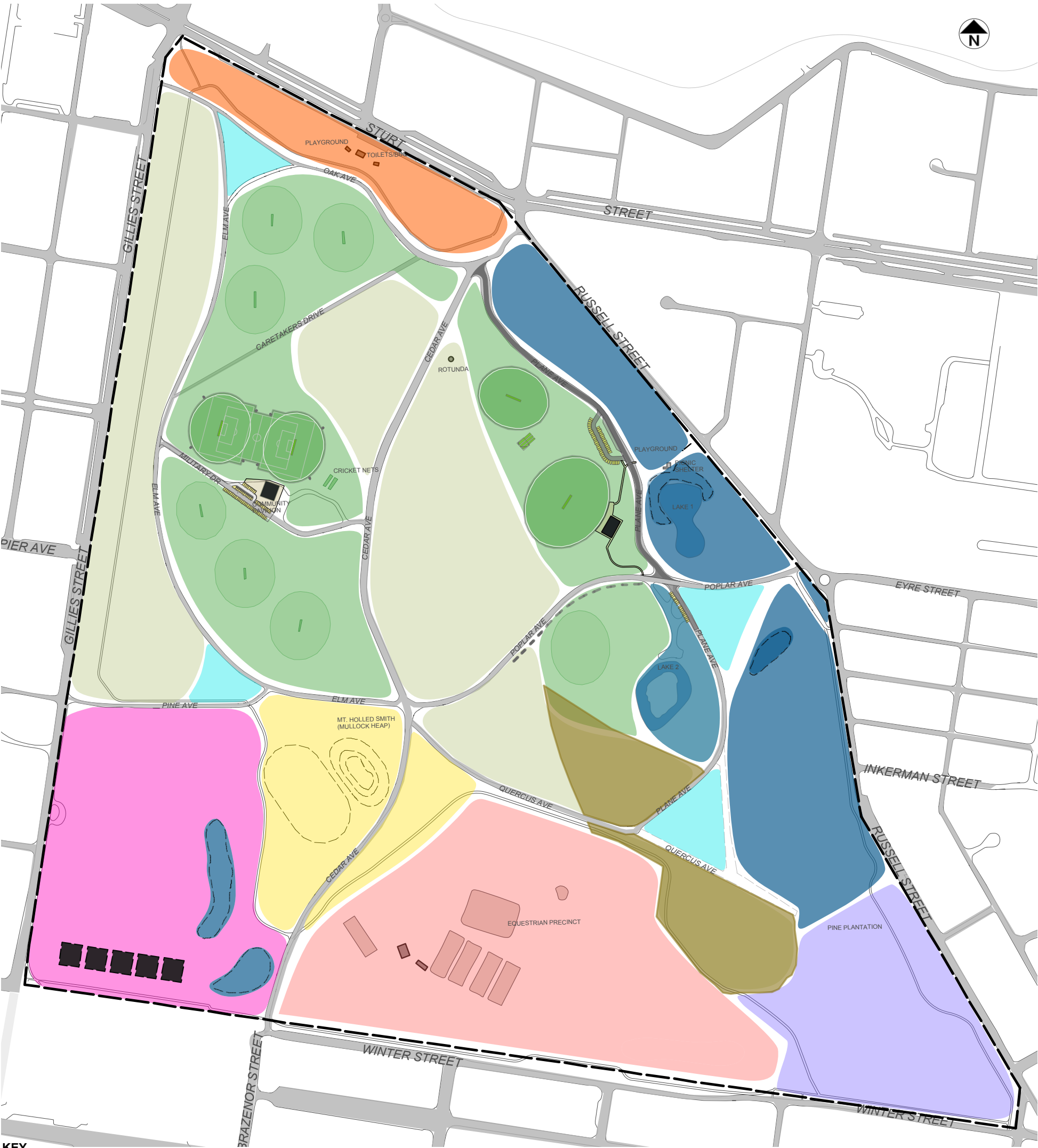


Artists Impression - Lake Precinct Improvements

6.9 Key Improvements Master Plan and Proposed Precincts

Proposed Precincts

This plan shows the proposed precincts which reflect the broad changes to character and use as a result of the key improvement recommendations.



KEY

PROPOSED PARK PRECINCTS
(WITH PRECINCT PERCENTAGE OF ENTIRE PARK SHOWN)

ACTIVE EDGE (3%)	EQUESTRIAN (14%)
SPORTS GROUNDS (20%)	SOUTH WEST CORNER (11%)
GRASSLANDS (23%)	MULLOCK HEAP AND VELODROME (6%)
LAKES/WETLANDS AND ARBORETUM (13%)	HISTORIC GROVE PLANTING (2%)
SOUTH EAST ENTRY (8%)	BUILDING FOOTPRINT (<1%)

AREAS DENOTING CHANGED ZONING FROM EXISTING	
AREA CHANGED TO GRASSLAND	
AREA CHANGED TO HISTORIC GROVE PLANTING (TREE TYPES VARY)	
AREA CHANGED TO LAKES/WETLANDS AND ARBORETUM	

Key Improvements Master Plan

This plan is a summary of the key improvement recommendations discussed in greater detail in this chapter.



PROPOSED PARK PRECINCTS
(WITH PRECINCT PERCENTAGE OF ENTIRE PARK SHOWN)

- SPORTS GROUNDS (20%)
- GRASSLANDS (23%)
- BUILDING FOOTPRINT (<1%)

VEGETATION IMPROVEMENTS

- EXISTING SPORTS GROUNDS AND SURROUNDING MOWN GRASS
- PROPOSED TREE PLANTING
- PROPOSED IRRIGATED OVAL
- REJUVENATED LANDSCAPE
- PROPOSED CRICKET NETS

EVENT INFRASTRUCTURE IMPROVEMENTS

- OPEN LAWN EVENT SPACE
- PAVILLIONS
- IMPROVED EQUESTRIAN FENCE
- CLUBROOM IMPROVEMENTS

INCLUSIVE REGIONAL PLAYGROUND - REFER SCHEDULE

PEDESTRIAN AND VEHICULAR IMPROVEMENTS

- VICTRACK
- PROPOSED NEW VICTRACK 3KM & 1.5KM LOOPS
- EXISTING PEDESTRIAN PATH
- PROPOSED NEW PEDESTRIAN PATH
- PROPOSED SECONDARY PEDESTRIAN LINKAGE PATH
- PROPOSED BOARDWALK
- PROPOSED PEDESTRIAN PROMENADE
- IMPROVED CYCLING CRITERIUM COURSE
- PROPOSED DDA COMPLIANT CROSSING
- VEHICLE INTERSECTION IMPROVEMENTS
- PROPOSED SEALING OF PLANE AVENUE
- PROPOSED CAR PARK
- DRAINAGE AND LAKE IMPROVEMENTS
- PROPOSED WETLAND

- [1] TREE PLANTING AND MANAGEMENT INCLUDING HISTORIC GROVE PLANTING AND ARBORETUM
- [2] IMPROVED AND EXTENDED NATIVE GRASSLAND
- [3] OPEN LAWN EVENT SPACE
- [4] INCLUSIVE REGIONAL PLAYGROUND
- [5] FACILITIES IMPROVEMENTS INCLUDING ACCESSIBLE TOILETS (WITHIN PAVILLIONS)
- [6] UPGRADED AND IRRIGATED SPORTS FIELDS
- [7] IMPROVED VEHICLE ENTRANCES
- [8] IMPROVED PEDESTRIAN / BYCYCLE ACCESS AND CIRCULATION
- [9] IMPROVED CYCLING CRITERIUM COURSE
- [10] LAKES, DRAINAGE AND HYDROLOGY IMPROVEMENTS
- [11] EQUESTRIAN IMPROVEMENTS INCLUDING DRESSAGE, FENCING AND CLUB ROOM IMPROVEMENTS
- [12] DOG OFF LEASH AREA
- [13] LAWN AREA FOR PICNICS OR ENCLOSED DOG PARK AREA

7 Master Plan Implementation

The Master Plan for Victoria Park is a long term plan where, subject to funding, can be implemented progressively of a 10-20 year timeframe. The cost of implementing works for a park as large and complex as Victoria Park can be significant. Whilst some works can delivered through approved capital works budgets and programs over a number of years, external funding opportunities through State and Federal Governments can assist to deliver major works in a more timely manner.

Planning for the implementation of the Master Plan therefore has to be both prioritised and allow for a degree of flexibility to ensure that all funding opportunities are explored and maximised when available. The priorities and timeframes for implementing works in the Master Plan will therefore also need to be flexible and subject to change.

The costs of works in the following table are estimates only. They are based on concepts and are subject to detailed design. It is expected that major projects, such as the works associated with the Events Space, will be subject to separate budgets outside the scope of the Master Plan, whilst costs for implementing some of the major recreational infrastructure will need to be considered in the broader context of Council’s long term recreational programs and budgets.

Planning & Design				
Item No.	Recommendation	Priority	Approx. Timeframe (Short/Med/Long)	Approx. Cost
1.0	Landscape & Vegetation			
1.1	Prepare Tree Management Plan with arboricultural assessment of all trees	High	S	\$20,000
1.2	Review and update Native Grasslands Management Plan	Med	S	\$10,000
1.3	Prepare concept plans for arboretum, new avenue planting and historic groves	Med	S	Internal
1.4	Prepare large scale community tree planting event	High	S	Internal
2.0	Event Infrastructure and Social Amenity			
2.1	Prepare Events Space Development Plan	Separate Budget to Master Plan		
2.2	Design and document upgrades to equestrian fencing, club rooms and facilities	Med	M	\$10,000
3.0	Facility Development			
3.1	Further consultation with user groups to determine upgrades to existing club rooms	High	S	Internal
3.2	Prepare designs for upgrades to existing club rooms, forecourt and car park	High	M	\$20,000
3.3	Prepare detailed designs for new pavilion	Med	M	\$20,000
3.4	Prepare detailed investigation and designs for sports ovals and surface upgrades	Med	M	\$50,000
3.5	Review and prepare lighting plans for ovals 4, 5 and 10 and associated car parks	Med	M	\$10,000
4.0	Organised Sports and Clubs			
4.1	Assessment of usage, capacities and time allocations of active sports groups	Med	M	Internal
4.2	Design and documentation of irrigation for ovals	Med	M	\$25,000
5.0	Traffic Management			
5.1	Prepare Traffic Management Plan	High	S	\$20,000
6.0	Access, Circulation and Connections			
6.1	Review existing path connection and access points for localised improvements	High	S	Internal
6.2	Design and document new pedestrian paths seating and drinking fountains	High	S	Internal
7.0	Public Appreciation and Signage			
7.1	Design and document Park Signage Suite	Low	M	\$15,000
8.0	Hydrology and Lake Improvements			
8.1	Prepare detailed plan for wetlands and proposed water bodies	High	M	\$20,000
8.2	Develop detailed hydrological plans for lakes precinct	High	M	\$20,000
SUBTOTAL				\$240,000

Development & Construction				
Item No.	Recommendation	Priority	Approx. Timeframe (Short/Med/Long)	Approx. Cost
1.0	Landscape & Vegetation			
1.1	Establish new avenue planting along Gillies and Winter Streets (@ \$250/tree)	Med	M	\$70,000
1.2	Reintroduce triangular groves as per 1890 Arbor Day Plan (@ \$250/tree)	Med	M	\$15,000
1.3	Increase tree canopy coverage from 21% to 40% (@ \$250/tree)	High	L	\$90,000
1.4	Expand indigenous grasslands by inc. restoration of ovals to grassland)	High	M	\$100,000

2.0	Event Infrastructure and Social Amenity			
2.1	Develop Events Space and infrastructure	Separate Budget to Master Plan		
2.2	Implement equestrian precinct changes	Med	M	TBD
2.3	Provide power and water outlets throughout the Park (nom. 3 locations)	Low	L	\$150,000
2.4	Install low, transparent fence to separate dog-off-leash zones (inc. velodrome)	High	S	\$29,000
2.5	Upgrade or develop new car parks	Med	M	\$70,000
3.0	Facility Development			
3.1	Install three new gravel paths connected to VicTrack (total 1.6km)	Med	M	\$140,000
3.2	Install furniture, seats and drinking fountains associated with VicTrack	High	S	\$50,000
3.3	Instal new BBQ and shelter to Russell Street playground area	High	S	\$40,000
3.4	Install Inclusive Regional playground	Separate Budget to Master Plan		
4.0	Organised Sports and Clubs			
4.1	Minor surface improvments to ovals 1, 2, 3	Low	L	\$150,000
4.2	Improve playing surfaces of ovals 4, 5, 9 and 10, inc irrigation where possible	Med	M	\$676,000
4.3	Develop multi-use pavilion for sporting and recreation events	Low	L	\$1,125,000
4.4	Develop bus drop-off zone and car park to facilitate new pavilion	Low	L	\$120,000
4.5	Redevelop clubrooms to service community pavilion and ovals 4-8	High	S	\$2,000,000
4.6	Upgrade lighting to ovals 4, 5 and 10	Med	M	\$400,000
5.0	Traffic and Vehicle Management			
5.1	Install roundabout at central intersection with nibs, lighting and landscaping	High	S	\$300,000
5.2	Implement traffic management changes to Entrance 1 and 2	Med	M	Road Program
5.3	Implement sealed road improvements along Plane Ave	High	M	\$350,000
5.4	Upgrade criterium course road surfaces	High	S	\$200,000
5.5	Install fencing to control vehicle access and improve pedestrian safety	Med	Med	\$220,000
5.6	Implement closure of Winter St and opening of Gillies St	Separate Budget to Master Plan		
6.0	Access, Circulation and Connections			
6.1	Improvements and additions to walking path network	High	M	\$200,000
6.2	Install major cyclist and pedestrian boulevard entry to Park from southeast corner	Med	M	\$50,000
6.3	Create new pedestrian entry points into Park at various locations	High	M	\$50,000
7.0	Public Appreciation and Signage			
7.1	Installation and improvement of park signage	Med	M	\$50,000
8.0	Hydrology and Lakes Improvements			
8.1	Install planting, boardwalks and loop path connections around lakes	Low	L	\$150,000
8.2	Upgrade network of grassed swales to direct flows toward lake areas	Med	M	\$100,000
8.3	Installation of new wetlands/lakes to reduce flooding	High	S	\$300,000
8.4	Establish water body that captures and treats storm water and improves amenity	Med	L	\$250,000

SUBTOTAL	\$7,445,000
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TOTAL	\$7,685,000
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Management & Maintenance				
Item No.	Recommendation	Priority	Approx. Timeframe (Short/Med/Long)	Approx. Cost
9.1	Update signage as required	Low	M	\$5,000 p/a
9.2	Prepare Park Operations Plan	High	S	\$20,000
9.3	Lift canopies of trees (over 5 year plan)	High	M	\$30,000 p/a
9.4	Maintenance of expanded path network	High	M	\$25,000 p/a
9.5	Additional maintenance works to be determined after completion of the Parks Operations Plan			