

GREENWAY PARK
PLAN OF MANAGEMENT



SHEPHERDS LANE, CHERRYBROOK

**Prepared by
Parks and Landscape Team
Of
Hornsby Shire Council
Adopted December 2006**

FOREWORD

This Plan of Management will supersede the Plan of Management for Greenway Park, adopted by council in 1995. This Plan of Management has been prepared to comply with the Local Government Amendment (Community Land Management) Regulations and associated amendments to the Local Government Act 1993, which commenced on 1 January 1999 (s.42).

COMMUNITY INPUT INTO THE PLANS OF MANAGEMENT

The Local Government Act 1993 requires that all Plans of Management be placed on public display for a minimum period of 28 days. A minimum period of 42 days after the draft is placed on exhibition is allowed for written submissions to be made to council (s.38) by writing a submission, members of the community are given the opportunity to participate in the future direction of management of the Shire's Open Space.

Submissions allow the community (including residents, interest groups, sporting clubs and Government agencies), to express opinions, provide information and suggest alternatives to the proposed Management Strategies for community open space within the Shire. On closure of the period of public comment, all submissions are considered and amendments made to the Plans of management as required.

After consideration of all submissions received, council may decide to amend the draft plan of management, or adopt it without amendment. If council decides to amend the draft plan, it must publicly exhibit the amendments as above until such time as the draft can be adopted without further amendment. (S.40).

Public Hearing

A public hearing will be held in respect of a draft Plan of Management if the proposed Plan would have the effect of categorising or recategorising the community land. S.40 (3)

Further information can be obtained from the Parks and Landscape Team
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PART I

1.0 INTRODUCTION

1.1 What is a Plan of Management?

A Plan of Management is a document that identifies issues affecting community land and provides a means to control the future use, development and maintenance of that land, in accordance with the requirements of the Local Government Act 1993. This process is a necessary requirement for all community land owned by council, although land under council care, control and management may also be included.

Greenway Park contains both community and operational land. Only community land must be managed in accordance with the core objectives established in the Local Government Amendment (Community Land Management) Act 1998. Council's objectives for the future of these lands in terms of planning, management and maintenance must comply with those objectives. The community land shown in Figure 1. is subject to this Plan of Management

The Plan of Management establishes a programme for implementation and performance of council's objectives, determining priorities for their achievement.

The Plan is presented in two parts to allow review of individual parts as required.

Part 1 of the Plan of Management includes core objectives for the community land categories as determined by the Local Government Act, and council's management goals. This part looks at issues relevant to Greenway Park to determine broad objectives for management.

Part 2 entitled Action Plan outlines actions necessary to fulfil the objectives identified in Part 1, and establishes a time frame for implementation. This Part of the Plan also outlines the standards council sets for reaching defined levels of service and identifies the manner in which council will assess its performance in relation to achieving its goals.

The Action Plan is the working section of the document and will require amendment as actions are completed. The Action Plan is proposed to be relevant for a period of five years. From time to time in response to changing community needs and aspirations, the Action Plan may be revised. It will be publicly exhibited if this is done, to allow comments from the community.

1.2 What development is allowable under the Plan of Management?

A Plan of Management must define the existing and future uses of a parcel of community land as required under the Local Government Act. The Hornsby Shire Local Environment Plan sets out in general terms what kinds of developments are permissible within a zone, either with or without council's consent. This Plan approves any activity permissible under the Hornsby Shire Local Environment Plan (HSLEP) as it is considered that the zoning and development controls on these lands appropriately reflect council's management aims.

Future development proposed for Greenway Park is outlined in this Plan of Management in Section 4.0 - Masterplan. As council considers necessary development allowable under this Plan of Management may also include the following, where it complies with the core objectives for the relevant categorisation:

- Asset maintenance such as renewal / replacement of assets;
- Change of sporting uses where change is not significant e.g. from one ball sport to another;
- Landscaping and reclamation of surplus grassed areas for bush regeneration;
- Expansion of the community centre to provide a child care facility;
- Extension of Community Centre to meeting community needs;
- Provision of facilities ancillary to existing uses including seating, picnic and barbecue facilities, shelters, lighting, drainage, irrigation, car parking, access roads, fencing, and pathways;
- Development of leash free dog runs;
- Signage;
- Use of Park as a temporary works depot to allow storage of materials for maintenance activities;

- Upgrade of Community Centre; and
- Extension of Community Centre to meet community need eg. childcare, community group use.

The Exempt and Complying Development – Development Control Plan details minor council works that can take place without obtaining development consent.

Where minor council works are undertaken, proposals may still require assessment under Part V of the Environmental Planning and Assessment Act 1979 and may also require exhibition of the proposal. Notification procedures will be implemented in accordance with the Exempt and Complying Development DCP. (An extract from the Exempt and Complying Development DCP regarding Minor council Works and a Pro- Forma developed by the Water Catchments Team for Part V Assessments is contained in appendix 7.)

Under the Exempt and Complying Development DCP council will not be required to notify residents and property owners of minor council works outlined in this Plan of Management following its public exhibition.

If there is any further development of the community land other than authorised by this Plan of Management, or a change in the categorisation of Greenway Park is proposed, amendment and re-exhibition of the Plan of Management would be required.

2.0 LOCAL GOVERNMENT ACT REQUIREMENTS

The following information is provided as background to the development of management objectives for Greenway Park.

2.1 Classification and Categorisation

The majority of Greenway Park is classified as community land in accordance with Chapter 6, Part 2, Division 1 of the Local Government Act 1993. Lots 4203 and Part Lot 4204 DP 706256 are classified as operational land and will allow for development of an aquatic centre within the Park and as such, are not included in this Plan of Management.

Community land within Greenway Park is categorised as sportsground, park, general community use and natural area. The natural area is further categorised as bushland. Categorisation has been determined in accordance with the guidelines in the Local Government Amendment (Community Land Management) Regulation 1999 (6B-6JA).

Natural areas within Greenway Park include stands of indigenous vegetation listed as having heritage significance in the Hornsby Shire Local Environment Plan (1994).

Figure 1 identifies the separate categories of community land within Greenway Park and the areas of operational land.

Until such time as development of the proposed aquatic centre is approved, management of the areas of operational land will be carried out in accordance with this Plan of Management.

2.2 Core Objectives

The Local Government Act establishes core objectives for all categories of community land. Council must manage the community land in accordance with the core objectives of the relevant category of land. Any council or community objectives must comply with the core objectives established within the Act. The significance of the prescribed core objectives is to ensure that any activities or uses of the land are consistent with the core objectives for that category of land.

Core objectives for the relevant land categories within Greenway Park are set out below.

The core objectives of community land categorised as a sportsground are:

- a) To encourage, promote and facilitate recreational pursuits in the community involving organised and informal sporting activities and games, and
- b) To ensure that such activities are managed having regard to any adverse impact on nearby residences.



Figure 1. Categorisation of Greenway Park

The core objectives of community land categorised as a park are:

- a) To encourage, promote and facilitate recreational, cultural, social and educational pastimes and activities, and
- b) To provide for passive recreational activities or pastimes and for the casual playing of games, and
- c) To improve the land in such a way as to promote and facilitate its use to achieve the other core objectives for its management.

The core objectives of community land categorised as general community use are:

To promote, encourage and provide for the use of the land, and to provide facilities on the land, to meet the current and future needs of the local community and of the wider public:

- a) In relation to public recreation and the physical, cultural, social and intellectual welfare or development of individual members of the public, and
- b) In relation to purposes for which a lease, licence or other estate may be granted in respect of the land (other than the provision of public utilities and works associated with or ancillary to public utilities).

The core objectives of community land categorised as natural area are:

- a) To conserve bio-diversity and maintain ecosystem function in respect of the land, or the feature or habitat in respect of which the land is categorised as a natural area;
- b) To maintain the land, or that feature or habitat, in its natural state and setting;
- c) To provide for the restoration and regeneration of the land;
- d) To provide for community use of and access to the land in such a manner as will minimise and mitigate any disturbance caused by human intrusion; and
- e) To assist in and facilitate the implementation of any provisions restricting the use and management of the land that are set out in a recovery plan or threat abatement plan prepared under the Threatened Species Conservation Act 1995 or the Fisheries Management Act 1994.

The core objectives of management of community land categorised as bushland are:

- a) To ensure the ongoing ecological viability of the land by protecting the ecological bio-diversity and habitat values of the land, the flora and fauna (including invertebrates, fungi and micro-organisms) of the land and other ecological values of the land;
- b) To protect the aesthetic, heritage, recreational, educational and scientific values of the land;
- c) To promote the management of the land in a manner that protects and enhances the values and quality of the land and facilitates public enjoyment of the land, and to implement measures directed to minimising or mitigating any disturbance caused by human intrusion;
- d) To restore degraded bushland;
- e) To protect existing landforms such as natural drainage lines, watercourses and foreshores;
- f) To retain bushland in parcels of a size and configuration that will enable the existing plant and animal communities to survive in the long term; and
- g) To protect bushland as a natural stabiliser of the soil surface.

The core objectives as set out in the legislation are consistent with the aims and objectives of this plan of management.

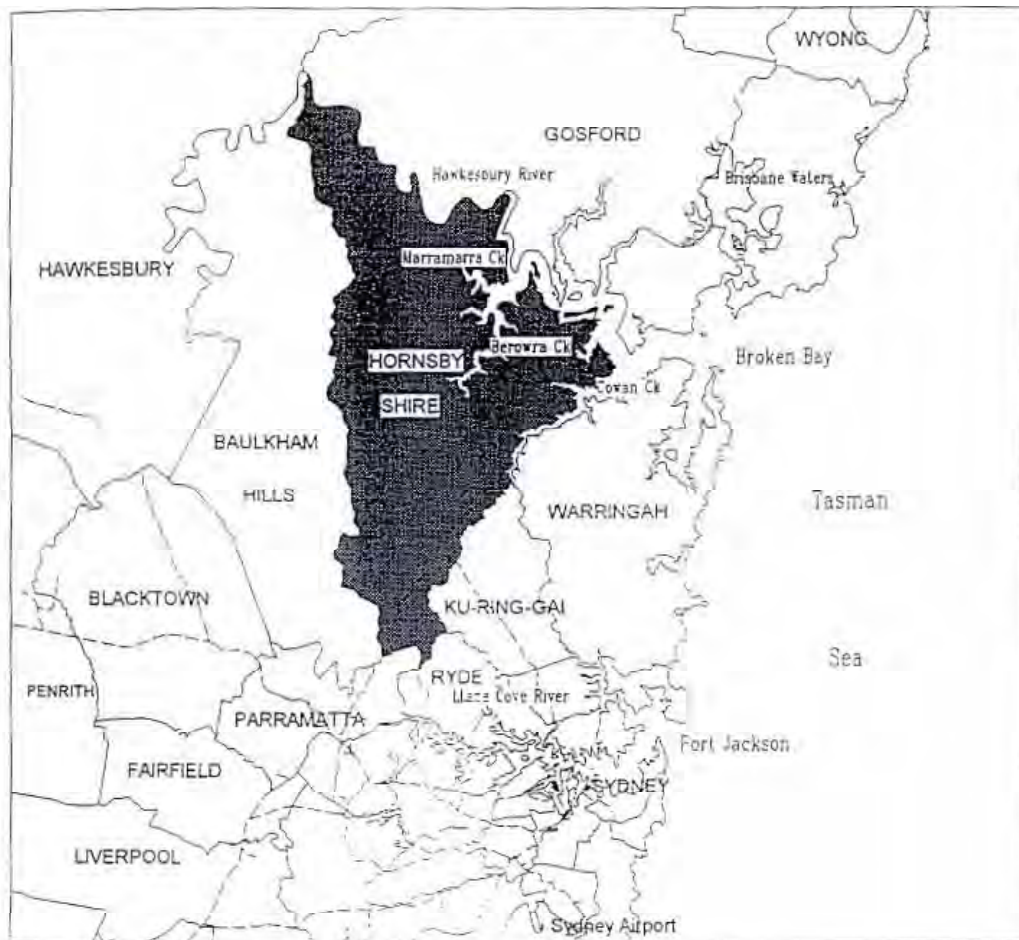


FIGURE 2 : REGIONAL LOCATION

2.3 Overview of Site

Greenway Park is located south-west of Hornsby (Figure 2: Regional Location and Figure 3: Local Site Location). It is bordered by Shepherds Drive and Cherrybrook Shopping Centre in the east and south, and by approximately 50 residential properties in the north and west. John Purchase Public School grounds also adjoin the western boundary of the site. It is comprised of five parcels of land as follows with a total area of 139 984m².

The community land and operational land above is owned in fee simple by council and is zoned Open Space A (Public Recreation – Local) and Special Uses A (Community Purposes) in the Hornsby Shire Local Environment Plan (LEP) 1994. Adjoining land is zoned residential A (Low Density), Special Uses A (Community Purposes) and Business A (General).

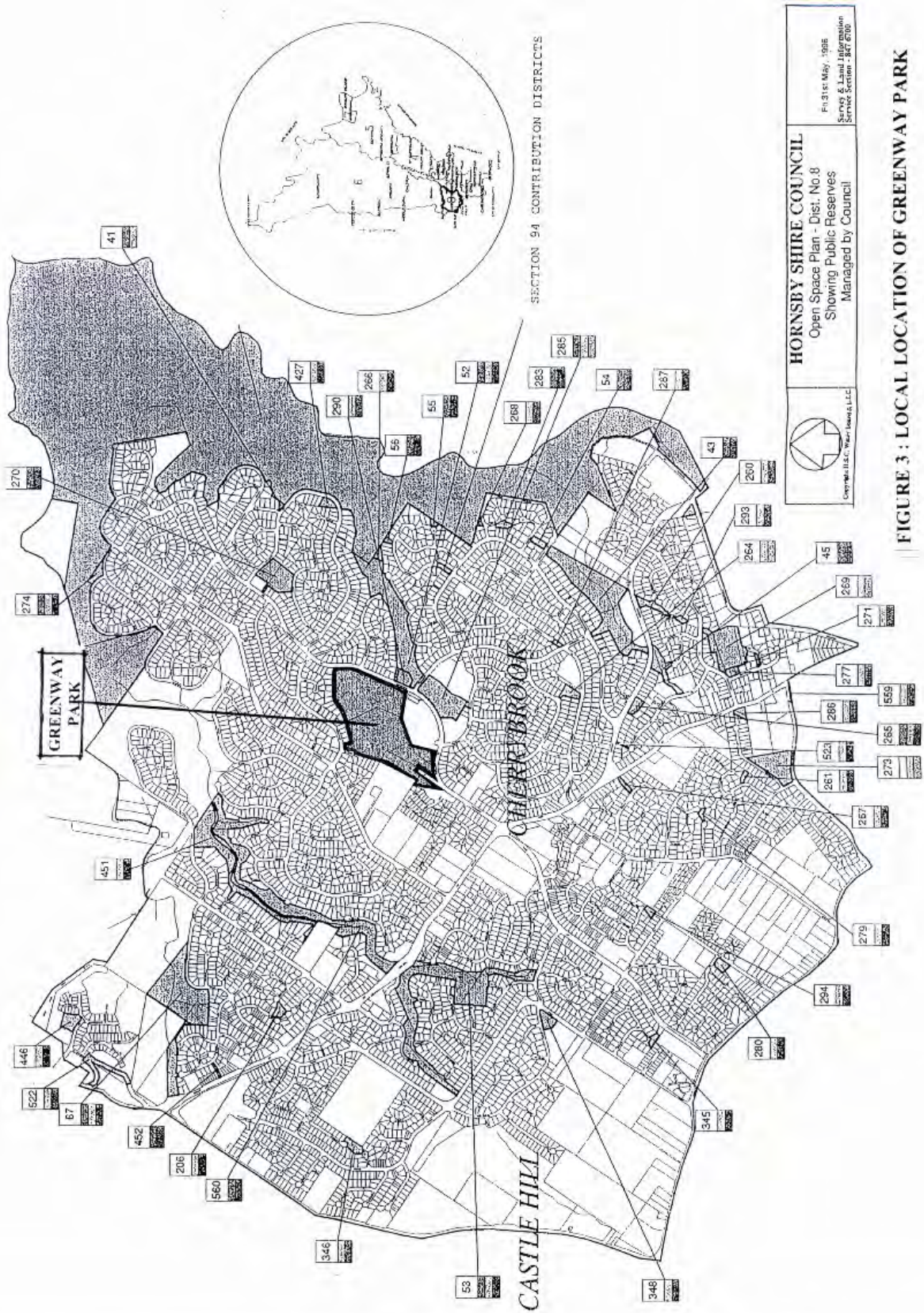


FIGURE 3 : LOCAL LOCATION OF GREENWAY PARK

LOT NUMBER	DP NUMBER	AREA
1	360995	10 200m ²
1	263752	50 520m ²
4203*	706256	6008m ² (operational)
4204**	706256	57 220m ² 12 220m ² (operational land)
6	270055	3816m ²

* Lot 4203 DP 706256 is zoned as Special Uses A (Community Purposes) and is classified as operational land.

**Part Lot 4204 DP 706256 also known as 33X Shepherds Drive has been reclassified as operational land for the proposed aquatic centre.

The catchment area around Greenway Park is predominantly developed residential sites a shopping centre. Several schools are located nearby and other recreation facilities in the area include The Lakes of Cherrybrook, and a number of local playgrounds.

The Park provides a variety of formal and informal recreation opportunities including playing fields, netball, basketball and tennis courts, a Community Centre, bicycle track, skateboard bowl, baseball batting tunnels, car parking, amenities building, playground and natural areas. A Time Capsule is also located within the Park. The capsule was placed in the Park as part of Stage 1 works in July 1991 and is due to be opened on 21st July 2041.

Facilities within the Park are discussed in more detail in 4.1 - Asset Information.

Natural Areas

The two small bushland remnants have been identified as Sydney Turpentine Ironbark Forest (STIF), an endangered ecological community protected under the Threatened Species Conservation Act (1995). Both of these bushland areas suffer from varying degrees of degradation as a result of impacts from the surrounding area. Hornsby Shire's bushland reserves are an important feature of the Shire's natural character and beauty. Bushland areas throughout Hornsby Shire and the northern Sydney region contribute significantly to the scenic amenity and beauty of this area.

The southern STIF remnant adjacent to the community centre is located on operational land, whilst the northern remnant is classified as community land. This Plan of Management refers to the northern remnant classified as community land.

The northern bushland remnant is small, circular in shape and isolated, with a high edge to area ratio making it vulnerable to external influences especially weed propagules and pest animal predation. It is within the north-eastern corner of Public Reserve, Lot 4204 DP 706256, owned and managed by Hornsby Shire council.

Topography

The reserve is located on a gentle east-facing slope. Within the reserve the landscape is generally flat.

Geology and Soils

The soils present within Greenway Park are primarily clay soils derived from Wianamatta Shale. *"Naturally vegetated shale landscapes are now very rare due to their preferential settlement through forestry, agriculture and later urbanisation"* (EPS Ecological Surveys and Planning, 1999).

Flora

Vegetation

Greenway Park was surveyed during November 1999 to determine the nature and distribution of plant communities, its habitat value and the nature and intensity of weed invasion. The vegetation of Greenway Park has been previously documented in the Greenway Park Plan of Management (May 1995).

The plant community present in Greenway Park can best be described as Community M: *Syncarpia glomulifera* - *Eucalyptus paniculata* - *Angophora costata* Open Forest as described in the *Hornsby Shire Bushland Survey* (Smith & Smith 1990). The northern bushland remnant also has elements of Community L: *E. pilularis* - *Syncarpia glomulifera* Tall Open Forest.

Significant Flora

Both these vegetation communities have been described as under-represented in the Shire, however Community M has now been reclassified and listed as Sydney Turpentine Ironbark Forest, an endangered ecological community under Schedule 1 of the Threatened Species Conservation Act (1995).

Vegetation condition

The vegetation in the northern bushland area contains some healthy remnant bushland but is degraded in parts and significantly modified by informal bike tracks and can be described as having an overall rating of poor as per Smith & Smith (1990). The vegetation in the southern bushland area is also degraded and can be described as having an overall rating of poor as per Smith & Smith (1990).

Fauna

Common species such as Ring-tailed Possum, Sugar Glider and Brush-tailed Possum are likely to visit the reserve. The avifauna of the Park is likely to be typical of Shale and open forest habitats, though diversity may have declined due to surrounding residential development and domestic pet and feral animal predation.

The remnants contain stands of tall, mature eucalypts, favouring habitation by larger predatory birds. Smaller birds are likely to be utilising the thick weedy undergrowth in the southern bushland area.

Significant fauna

There are no significant fauna species recorded as being present in this reserve.

Aboriginal and European Significance

It is likely that the Aboriginal people of the Dharug group were the original inhabitants of the reserve and surrounding area. There are no records of heritage items of Aboriginal significance in the reserve, (Koettig 1996) and due to the nature and disturbance of the reserve, none would be expected.

Greenway Park (Lot 1 DP 26375 and Lot 4204 DP 706256) is listed as a heritage item of local significance in the Hornsby Shire LEP (1999). Lot 4204 DP 706256 contains the bushland remnant.

3.0 BASIS FOR MANAGEMENT

3.1 Council Land Management Goals

From its current Management Plan, the purpose of council's Environment Division is '*to develop and implement effective water and land management within appropriate industry and community standards and provide efficient and effective programmes for waste management, property cleansing / maintenance, environmental education and compliance, fire control, water catchment management and integrated environmental management.*' (HSC 1999)

The main programme for the Parks and Landscape Team is '*the care, control and management of leisure and recreation facilities; and the enhancement of the streetscape by the construction and maintenance of landscaped public areas.*' (HSC 1999)

The following ongoing objectives for management fulfil council's current management goals and programme for leisure facilities and may be applied to Greenway Park.

- To provide and maintain safe, attractive and enjoyable outdoor sports facilities, large regional parks, neighbourhood parks and playgrounds through maintenance of turf and gardens and maintenance of playground and other park facilities and through routine safety and suitability inspections.
- Implement Plans of Management for community land and the Open Space Plan.
- Lodge applications for grant funding for parks development.
- Conduct park user surveys to obtain feedback.
- Plan and implement winter parks maintenance programmes.
- Respond efficiently to applications to prune and remove trees on public land.
- Assess the impacts on trees of development proposals.
- Promote good tree management and retention of healthy trees.
- Achieve tree planting and other streetscape beautification projects as funding allows.
- Maintain turf on designated roadside sites as funding allows.

Specific objectives developed and applicable to Greenway Park include:

- Further develop sportsgrounds, parks and playgrounds.
- To move towards sustainable asset management.
- Continue to document procedures related to parks management/maintenance.
- Implement Environment Division Review Action Plan as adopted by council.
- Review Plans of Management to comply with new legislative and strategic requirements.

3.2 Bushland Management

The Importance of Urban Bushland

Urban bushland areas are important for the following reasons:

- They provide a 'green space' in the built environment, contributing to the scenic amenity of urban areas
- They provide important habitat for native fauna species that would otherwise move away from urban areas. Urban bushland can form part of important wildlife corridors which provide shelter, food and habitat for migratory and nomadic species
- They are an important scientific resource, providing a record of the original vegetation of the district.
- They are an important educational resource and often the first point of contact with nature for many urban residents as well as a venue for formal education. They provide nearby schools and other educational institutions with natural areas that can be visited without the need for a formal excursion and where it is feasible to carry out studies requiring repeat investigations.
- Urban bushland provides recreational opportunities, enabling urban residents to undertake recreational pursuits in a bushland setting.

In addition to these general features, the natural area in Greenway Park has particular significance for the following reasons:

- The remnant bushland present within Greenway Park has been identified as Sydney Turpentine Ironbark Forest an Endangered Ecological Community protected under the Threatened Species Conservation Act (1995).
- The reserve is adjacent a residential area providing local residents with an easily accessible bushland setting for passive recreational pursuits.

****NB:** Under Section 56 of the Threatened Species Conservation Act (1995), the Director-General of the National Parks and Wildlife Service, is required to "prepare a recovery plan for each endangered or vulnerable species, population and ecological community, as soon as practicable after it is listed in Schedule 1 of the Act, to promote the recovery of the species, population or ecological community to a position of viability in nature".

Once a Recovery Plan has been prepared for Sydney Turpentine Ironbark Forest, this Plan of Management will be reviewed to ensure it is consistent with the Recovery Plan.

Council's Specific Bushland Management Aims

The following aims have been developed for bushland management.

General aim

To conserve Hornsby Shire's bushland for public recreation and education whilst protecting its natural, cultural and aesthetic values. Bushland management planning will be undertaken on a total catchment basis with a regional perspective.

Specific aims

- Protect conserve and enhance the Shire's unique natural flora and fauna
- Protect and conserve biodiversity within the Shire including threatened animal and plant species and vegetation communities
- Ameliorate threatening processes
- Preserve our natural and cultural heritage including Aboriginal sites and historic features
- Protect, conserve and enhance the aesthetic and scenic qualities of the bushland environment
- Provide the community with well maintained bushland for recreational activities
- Promote scientific and educational inquiry into the bushland environment
- Manage and protect bushland on a total catchment basis.

Council's bushland management aims for Sydney Turpentine Ironbark Forest:

Wherever feasible, remnants should not only be conserved but also enhanced through long-term protection involving expansion and linking of remnants.

3.3 Hornsby Shire Council Strategic Plan 1998 – 2006

Council has developed a Strategic Plan for the period leading up to the Shire's Centenary in 2006. The aim of the Plan is to identify key directions for council's programmes, activities and resource allocations. These directions, with other information, will shape council's future Management Plans and Operating Plans and Budgets.

Council's Vision Statement is:

"Creating a living environment" through:

- **Engaging the community in the future of the Shire** through education, two-way communication and open decision-making.
- **Protecting the natural environment** through council policies and planning controls, total catchment management, integrated education and compliance, and an environmental management system;
- **Conserving resources** through a reduce-reuse-recycle approach, integrated environmental planning, and changing the internal work culture;
- **Facilitating increased social well being** through providing equitable access for all groups in the community to information, services and facilities; improved public health and safety in the Shire and equitable provision of sporting, recreational and cultural facilities.
- **Aligning service provision to meet changing needs** through an improved capacity to lead, predict and adapt to changing needs in the community; best value in council services; and maximising benefits from the use of technology.
- **Integrating land use and transport planning** through use of more sustainable modes of transport such as public transport, walking, bicycles and alternative fuelled vehicles; establishment of effective partnerships in working towards shared goals with other agencies and community groups.
- **Facilitating a diverse local economy** through promoting the Shire's attributes as an employment centre, land-use planning controls, efficient transport solutions, meeting local needs locally and promoting Eco-tourism; and
- **Achieving financial sustainability** through increased financial capacity for expenditure on council's strategic priorities and a strong financial position for council.

3.4 Hornsby Shire Local Environment Plan 1994

Greenway Park is zoned Open Space A (Public Recreation-Local) and Special Uses A (Community Purposes) in the Hornsby Shire council Local Environment Plan (LEP) 1994. It is listed as having 'local' heritage significance. The listing refers to a portion of indigenous forest within the Park notable in the local landscape and as a natural element in the streetscape. An extract from the Hornsby Shire Heritage Study relevant to Greenway Park is also contained in Appendix 1.

3.5 Leisure Strategic Plan

A comprehensive review of council's leisure facilities was recently completed in May 2003 with a Stage 2 Report on Demand, Supply and Service Gap Analysis and Stage 3 Report on Recommended Strategies and Action Plans. The Plan included a review of the leisure resources within Hornsby Shire including parks, sportsgrounds, community facilities, aquatic centres and other council facilities.

The Plan identified the following key service needs:

- Additional sports grounds – particularly for cricket and senior soccer
- Purpose built facilities for equestrian groups
- Various upgrading requirements at many parks and sports grounds
- Improved communication between council and sports groups and between different sports groups
- Additional passive parks in some areas
- Expansion, improvement or disposal of many low value small parks
- More safe cycling and walking routes
- A greater diversity of play spaces/ facilities
- More youth-specific leisure facilities
- More activity options for older adults
- More and/ or better distributed leisure information
- More access to/ interpretation of natural areas
- New and upgraded indoor sports courts
- Upgraded and modernised aquatic centres
- Additional meeting places in some districts
- Upgrading of some community centres
- Improved programming of community centres and senior's centres
- Improved access to a range of facilities for aged and disabled people
- Community cultural development initiatives
- Improved spaces for performing and visual arts
- Additional library materials and floor space

3.6 Hornsby Open Space Plan

The Hornsby Open Space Plan was prepared in 1997, with the aim of providing council with *"policy direction for the allocation and development of current and future open space and recreation facilities, in effectively satisfying existing and predicted needs of the community"* (HSC 1997). Strategies and policies of the Open Space Plan were derived from the Hornsby Recreation Needs Study, workshops, with various sporting and community groups, and inventory and assessment of existing open space areas within the Shire.

The Plan recognised that traditionally sports facilities have dominated the provision of open space but that there was a *'growing need to provide informal spaces for recreation and leisure pursuits.'* (Hassell 1995). It is recommended that open space should be managed to allow diverse, multiple uses to maximise opportunities for recreation.

Following is a summary of relevant outcomes of the Open Space Plan and objectives for Greenway Park.

Provision of Open Space

Open space provision should include consideration of issues such as the quality of existing space, planning, recreation demand, suitability of land for open space / recreation development and potential linkages with other areas to create more comprehensive open space.

Greenway Park was identified as being one of the areas of high quality open space in Planning District 8. The Open Space Plan recognised that small parks within the District were generally low in quality, placing additional pressure on sites such as Greenway Park to provide for the varied recreation needs of the community.

Objectives for Greenway Park

- To provide facilities relative to assessed demand.
- To provide recreation facilities of an acceptable standard.
- To investigate linking areas of open space to create a comprehensive network of open space facilities and thereby improve the quality of the smaller parks in the district.

Equity

Equity in the provision of open space may be considered from a number of perspectives including gender, age and geographical equity, as well as equity of ability. Provision and allocation of facilities in Greenway Park should address current inequities in the Planning District where possible without developing the site beyond its carrying capacity.

Objectives for Greenway Park

- Council support is given to the recreation needs of women and youth and is considered in allocation and provision of facilities within Greenway Park.
- Recreation developments provide facilities to encourage family use.
- Access for people with disabilities is considered in the design of recreation facilities. Facilities provided conform to council's Development Control Plan for Access and Mobility (1997).
- Council, where possible, allocates recreation resources to cater for a variety of recreation pursuits.
- To consult with the community to identify community needs in terms of recreation facilities.

Greenway Park has been developed with a range of recreational assets that enable recreation uses for a broad section of the community.

Management of Open Space

Pricing Policy

Hornsby Shire council adopted a Policy regarding the rental for land leased / licensed to community groups in December 1996. This policy at present does not apply to short-term or seasonal hiring of council's sportsgrounds. Where community groups are unable to pay market rental for properties as determined by council's Policy, they may seek subsidisation of the rental. Applications for subsidisation are presently placed before council, which determines any amount of rental it wishes to subsidise.

The Hornsby Open Space Plan has recommended that an Inter-Divisional Recreation Committee be empowered to decide the level of subsidy awarded to individual groups.

Under the Local Government Act, any money obtained from leasing or licensing of an area of community land must be used for community land acquisition or management (S.409).

Objectives for Greenway Park

- A mutually agreed rate is charged for the use of council reserves.
- Money obtained from leasing or licensing is used towards the acquisition of community land or its management, as required by Section 409(3)(d) of the Local Government Act.

Maximising Use of Existing Open Space

Maximising use of existing open space was a key issue that arose in community and sporting group consultation from the Hornsby Open Space Plan. Respondents perceived that existing resources were not being utilised to their maximum potential. From consultation it was

determined that the favoured community option was to upgrade existing facilities and increase their usage in preference to constructing new facilities. This could be achieved by diversification, and provision of additional facilities to provide a wide range of uses. Providing facilities that encourage passive recreation can greatly increase the usability of existing open space.

Council's Environment Division is moving towards Total Asset Management of resources such as parks. Such an approach requires that the level of usage of assets be monitored.

Objective for Greenway Park

To provide additional recreation opportunities in existing open space areas to increase their potential for use by a variety of groups.

Funding

Demands on council funds are constantly increasing due to growing expectations of the community that facilities provided will be greater in number, more accessible and of a high quality. Council's current Development Contributions Plan makes allowance for expenditure on sports grounds as a Shire wide facility, but does not specifically allocate funding for Greenway Park. However, several other options are available to supplement council funding for recreation development and upgrading such as grant applications, small contributions from maintenance funds and funding from other sources.

Volunteers

It is proposed that council actively pursues and supports the involvement of the community including sporting groups, schools, local environmental groups, progress associations and the general community in various aspects of the Park. Community groups are successfully involved in bush regeneration and community planting days in many of the Shire's parks and reserves. Such programmes assist in promoting a sense of ownership of the local parks by the community and also provide an educational opportunity.

Sporting Clubs

Currently, some sporting clubs using Greenway Park contribute to the development and maintenance of recreation facilities. Council will continue to approach sporting clubs to provide funding and 'works in kind' for maintenance and future upgrading of recreation facilities where their group will be the main beneficiaries of improvements.

Objectives for Greenway Park

- To investigate and pursue alternative sources of funding for provision / upgrading of recreation facilities.
- To support and promote community events and programmes within the local community e.g. planting days and bush regeneration programmes.

Environmentally Sustainable Open Space

Protection of the bushland remnants in Greenway Park is a goal of council. In many instances natural areas can be successfully used to provide additional recreation opportunities where appropriate. *'Such uses should be flexible and respectful to the character of the area, and not result in the degradation of the bushland environment.'*(Hornsby Open Space Plan 1997)

The bushland remnants present within Greenway Park have been identified as Sydney Turpentine Ironbark Forest (STIF), an endangered ecological community protected under the Threatened Species Conservation Act (1995). Both of these bushland areas suffer from varying degrees of degradation as a result of impacts from the surrounding area. The southern STIF remnant adjacent to the community centre is classified as operational land, whilst the northern remnant is classified as community land.

Threatened Biota Conservation Plan

Management recommendations for the endangered community will be consistent with those detailed in the Shire's Threatened Biota Conservation Plan.

Land Tenure

The natural area is contained within the north-eastern corner of Public Reserve, Lot 4204 DP 706256, owned and managed by Hornsby Shire council. No leases or licences currently affect the land. Given the nature of the reserve it is unlikely that any leases or licence will arise, however any proposals should be considered on their merit and in consideration of how they meet the objectives of this plan.

Management Issues and Strategies

Weed invasion, Bush regeneration and Vegetation Management

Greenway Park is affected by localised weed invasion. These weeds compete with the native species leading to simplification of the bushland's ecology and loss of biodiversity. The southern bushland area is affected by more intense weed infestation than the northern section.

The weeds present are a result of impacts of the adjoining present land uses including sporting ovals, car parks and residential properties. Dumping of grass clippings and garden refuse in the northern bushland area is a particular problem. Weeds are generally restricted to the bushland boundaries in the northern bushland area but are found throughout in the southern bushland area.

The main weed species in the northern bushland area include Small-leafed Privet, Blackberry, Kikuyu, Genista, Lantana, Fleabane, Scotch Thistle, Flatweed, Plantain and Briza. Other weeds present include Lolium, Sida, Purple Top, Monstera, Fishbone Fern, Asparagus Fern, Modiola, Sailor-boy Daisy, Geranium, Impatiens and Whisky Grass.

The main weed species in the southern bushland area include Lantana, Privet, Wandering Jew and Prairie Grass. Other weeds present include Purple Top, Prairie Grass, Plantain, Sida, Solanum, Asparagus Fern, Blackberry, Moth Vine, Briza, Ehrharta, English Ivy and Cotoneaster.

An integrated program of herbicide use as well as manual weed removal is needed and should be done so in co-ordination with any park maintenance or future upgrading of the site for recreational or other purposes as resources become available for the Park.

Hydrology and Water Quality

There are no permanent watercourses present within the reserve. There are some parts of the northern bushland area where water accumulates as it drains from the sporting oval and carpark. Weed growth is prolific here as the extra moisture provides conditions favouring weed growth.

Native and Introduced Fauna

Public education on the protection of native fauna in the area would be useful to make surrounding landholders aware of possible faunal activity in the reserve and their protection under the National Parks and Wildlife Act (1974) and the Threatened Species Conservation Act (1995).

Although extensive habitat areas occur in close proximity to Greenway Park, in Berowra Valley Regional Park, it is still evident that native fauna species frequent the reserve and some may even reside there. The presence of cats and dogs in the surrounding residential area constitutes a significant threat to native wildlife, as does the possibility of foxes entering the reserve.

Fire Regime

Due to the small area of this reserve it is unlikely that any hazard reduction work would be required. Any proposals for hazard reduction burns should be carried out in conjunction with regeneration of the bushland for the benefit of native vegetation management.

Recreation and Access

Easy access to recreational areas is essential in a Park such as Greenway Park. Access to the

bushland areas should be more limited to prevent the damage caused by informal tracks and trails.

The northern bushland area currently has a network of informal tracks including several tracks constructed for bikes. These informal trails are causing significant damage to the remnant bushland. Impacts include soil compaction, soil erosion, prevention of regeneration of the native plant community and disturbance of the existing vegetation. The southern bushland area has a single asphalt pathway through the bushland. Informal trails are restricted probably due to the thick weedy undergrowth making access difficult.

Boundaries and Neighbours

The Greenway Park bushland remnant has a high edge to area ratio, increasing its susceptibility to adverse external influences from the boundaries. Co-operation between council and adjoining landholders is necessary for effective management of the reserve boundaries.

The boundary of the northern bushland area is mostly well defined by fencing and roadside / carpark verge. The boundary with the parkland is reasonably well-defined by mowing of the cleared area, however, more clearly defining the boundary would assist maintenance staff and ensure that any clearing of the natural area is prevented.

The southern bushland area is bordered to the east by a child care centre, the remainder is surrounded by mowed parkland / road verge.

Neighbours of the reserve will be encouraged to work with council to assist in the regeneration and maintenance of the reserve and to inform council of any illegal dumping of garden refuse or acts of vandalism that may occur.

Catchment Management Aims for Sportsturf Areas

Playing fields and other sportsturf areas can provide significant benefits to the community on both a social and environmental level. Principles of planned catchment management can be applied to sportsturf areas to enhance water quality i.e. trying to ensure that water flowing off the sportsturf site is as healthy as the water flowing into it.

The Hawkesbury Nepean Catchment Management Trust has developed various best management practices applicable to sportsturf areas within Hornsby Shire. Appendix 2 contains an information leaflet developed by the Hawkesbury Nepean Catchment Management Trust for best management practices of sportsturf areas. Implementation of best management practices is of particular importance where sports fields adjoin bushland and waterway areas.

The management aim is to promote sustainable use of water and nutrient application to sportsturf areas.

Objectives for Greenway Park

- Natural areas assessed as having a high conservation value are preserved.
- Recreation opportunities in natural areas are respectful to the character of the area and do not result in degradation of the natural environment.
- Bush regeneration programme is implemented resulting in restoration of bushland areas.
- Protection of native fauna through public education process.
- Restricted access into the bushland for uses that have minimal impact on the ecology of the bushland area including low impact recreational, scientific and educational use.
- Sustainable use of water and nutrient application to sportsturf areas.

3.7 Management of Cherrybrook Community Centre

In exercising its authority under Section 355 of the Local Government Act 1993 council delegated responsibility for the care, control and management of the Cherrybrook Community Centre to the Cherrybrook Community Centre Management Committee, executed under the seal of council dated 7th December 1994.

The council intends that the hall shall be made available for the recreation and enjoyment of members of the community. The Management Committee shall undertake their care and control responsibilities in close co-operation with the council. If the Committee is unable to undertake the responsibilities, the

management of the centre will be undertaken by council.

Council has proposed a future extension to the Cherrybrook Community Centre. The extension includes provision of a 72 place child care facility, a community meeting area, an office with storage space, and access ramp within the Community Centre. The office and storage space portion of the extension will be leased out to the Cherrybrook Chinese Association for a maximum period of 21 years. The proposed child care facility will be operated by Council as an exclusive use area for the purpose of the provision of childcare. The remainder of the extension will be available for general community use.

Facility Management – Procedures Manual Community Centres and Halls

Council's commitment to facility management is demonstrated in the Procedures Manual for Community Centres and Halls Management Committees. This document has been developed to assist Community Centre Management Committees with their management responsibilities of community centres and halls across the Shire.

Community Centres and Halls provide community groups with localised facilities for social, educational, cultural and recreational purposes.

Council has delegated the management of most of its Community Centres to publicly elected Committees appointed under Section 377 of the Local Government Act.

Management of community facilities by representatives of user groups and local residents ensure that services provided by the facility are representative of the needs of the local community.

Management Criteria

The following may be applied as a basis for management of the Cherrybrook Community Centre.

- The Centre is available for use by the community at acceptable standards.
- The Centre is available for use by all sections of the community, and no person or group will be denied access to the Centre, excepting such activities that are deemed illegal or counter to the welfare of the community.
- The fees charged for the use of the Centre are fair and reasonable, and in line with council's adopted fees and charges.
- The Centre is maintained at safety standards prescribed by law.
- The management of the Centre shall be in line with the Procedures Manual for Community Centres and Halls Management Committees.

3.8 Management of a Child Care Centre

Council provides child care facilities on a not for profit basis to enhance social well-being by supporting children not attending school and their families. The area licenced by the NSW Department of Community Services for the purpose of a childcare service operated by the council will remain an exclusive use area for the purpose of the provision of childcare between 7.00 a.m. to 6.00 p.m. Monday to Friday.

Council Child Care Centres Management Policies

Child care is provided by council according to the terms of the Major Program Community Services Child Care Centres Operations Policy Statement which was endorsed by council in June 2000 and is reviewed annually.

The policies that comprise the Child Care Operations Policy Statement are listed below:

1. Council and council officers will:
 - Ensure the safety of children so that only authorised persons collect children from council's Child Care Centres;
 - Provide for and regulate the late collection of children from council's Child Care Centres;
 - Provide safe and appropriate care for all children in council's Child Care Centres;
 - Provide guidelines for the care and protection of children attending council's Child Care Centres;

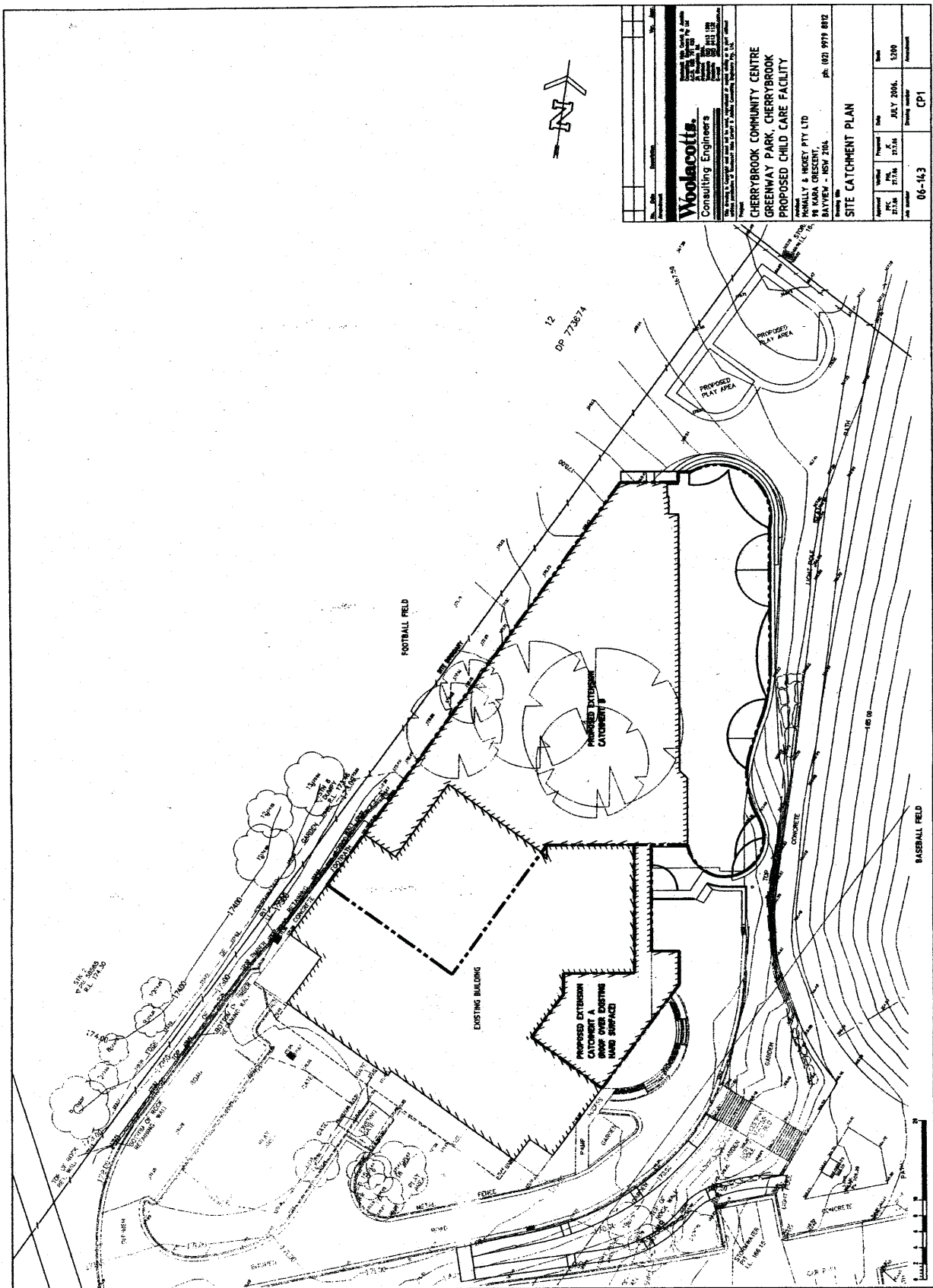


Figure 4. Catchment Plan (component of Development Application submission) showing proposed extensions to existing facility

- Assist Child Care staff to comply with Court Orders relating to children and their families in council's Child Care Centres;
 - Ensure that council's Child Care Centres seek to include all children;
 - Minimise the number of accidents in council's Child Care Centres and where necessary respond with appropriate first aid;
 - Collect and record fee payments in advance from parents on a regular basis (Nursery and Pre-School Centres);
 - Collect and record fee payments from parents Children's Centre (Occasional Care) to suit their needs – with allowances for emergency placements;
 - Implement a standard enrolment and withdrawal process in council's Child Care Centres;
 - Regulate casual placements in council's Nursery and Pre-School Centres;
 - Give parents the opportunity to use council's Children's Centre (Occasional Care) to suit their needs – with allowances for emergency placements;
 - Maintain accurate and up to date waiting lists;
 - Ensure priority of access to council's Nursery and Pre-School Centres in accordance with guidelines issued by the Commonwealth Department of Family and Community Services;
 - Provide each child with safe, enjoyable and educational outings while maintaining a duty of care;
 - Ensure that council's Child Care centres are a health environment for both children and staff;
 - Reduce the risk of sudden infant death syndrome by following guidelines recommended by the Sudden Infant Death Association;
 - Facilitate accident prevention and investigation;
 - Ensure confidentiality about records of the service, or information obtained by staff concerning:
 - a) the children and families of children enrolled in the service; and
 - b) staff and their families;
 - Implement curriculum and deliver programs that embrace current thinking in the early childhood field in accordance with guidelines provided by the NSW Department of Community Services;
 - Promote good nutrition and provide children in care with at least 50% of their daily recommended dietary intake of nutrients in the form of safe and appetising food in a hygienic environment;
 - Inform and regulate the use of council's Child Care Centres by council staff;
 - Ensure that contract cleaners maintain a clean environment in council's Child Care Centres;
 - Reduce the risk of injury and loss from fire in council's Child Care Centres;
 - Reduce the risk of injury and loss in emergency situations in council's Child Care Centres;
 - Provide a safe environment at council's Child Care Centres;
 - Eliminate alcohol and drug abuse and its effect in the workplace;
 - Provide a smoke free working environment within all council areas;
 - Ensure that volunteers/students/visitors comply with a suitable code of conduct whilst at the Centres;
 - Establish and maintain positive relationships between parents and staff within council's Centres and encourage their involvement in the operation of the Centres; and
 - Provide the mechanisms for service users to lodge complaints.
2. Council's Child Care Centres will be operated in conjunction with the 'Procedures for Child Care Centres' document and the Major Program Community Services Child Care Centres Operations Policy Statement developed and maintained by the Community Services Branch of council.

3.9 Leases and Licences

Leases and licences formalise the use of community land by groups and individuals for both community and short-term private use. **A lease is required where "exclusive control of all or part of an area by a party is proposed or desirable in the interest of management of the**

area". A licence is usually required where "intermittent or short-term occupation or control of all or part of an area is proposed' (Local Government Act 1993,6.1, 6.2).

A lease, licence or other estate may be granted for the provision of public utilities and works associated with or ancillary to public utilities, or may be granted, in accordance with an express authorisation in a plan of management. Council may only grant a lease, licence or other estate for a period of less than 21 years for purposes consistent with the categorisation and core objectives of the particular area of community land.

Council must give notice of proposals and assess applications for leases and licences in accordance with requirements of Section 47 of the Local Government Act, unless exempted by the Regulations. Activities exempted under S.6JF and 6JG are listed in Appendix 3.

Leases and Licences in Natural Areas

The Local Government Amendment (Community Land Management) Regulation 1998 requires that granting of a lease or licence for use of community land is expressly authorised by a Plan of Management (S.46).

Buildings in bushland are used by community groups such as scouts, girl guides, sporting clubs etc. The leasing of buildings in bushland in community open space are to be considered on individual merits and may be granted by council for a period not exceeding 21 years. Public notice will be given if the council proposes to grant a lease or licence for a period exceeding five years or for five years or less, if for a use not exempted by the regulations.

No leases or licences currently affect the bushland in Greenway Park. Given the nature of the reserve it is unlikely that any leases or licence will arise, however any proposals should be considered on their merit and in consideration of how they meet the objectives of this plan.

With respect to natural areas, a lease or licence may granted for the erection or use of the following buildings and structures:

- walkways
- pathways
- bridges
- causeways
- observation platforms
- signs

A lease or licence may also be granted for the purposes of:

- information kiosks
- refreshment kiosks (but not restaurants)
- work sheds or storage sheds required in connection with the maintenance of the land
- toilets or restrooms

Leasing and Licensing of Sports Facilities

The following types of sports facility licences will be granted for the exclusive use of sports grounds (including playing field, change rooms, and canteen) or courts (including netball, basketball and/or tennis courts) at nominated times.

1. Seasonal Licences

These are granted twice per year for sports that run on either a summer (September to March) or a winter (March to September) competition basis.

The range of sports possible include but are not restricted to, Clubs and Associations engaged in Australian Rules Football, Rugby League or Rugby Union Football, Soccer, Baseball, Softball, T-Ball, Cricket, Athletics, Touch Football, Hockey, Netball, Basketball and Tennis.

Licences may cover competition events on Saturdays and Sundays (after 8am) and Friday evenings (twilight events in summer). Licences may also cover training (Monday to Friday – some during day light hours but predominantly for training from 5pm to 10pm).

To manage wear and keep the grounds use within carrying capacity, preference will be given to Associations, and Clubs based in Hornsby Shire.

2. School Use

Licences will be granted to Schools for the exclusive use of sports facilities on weekdays. The range of sports permissible, but not limited to, will include Australian Rules Football, Rugby League or Rugby Union Football, Soccer, Baseball, Softball, T-Ball, Cricket, Athletics, Touch Football, Hockey, Netball, Basketball and Tennis.

3. Casual Hire

Licences will be granted for use of sports facilities for casual events. Events may include but will not be limited to the playing of Australian Rules Football, Rugby League or Rugby Union Football, Soccer, Baseball, Softball, T-Ball, Cricket, Athletics, Touch Football, Hockey, Netball, Basketball and Tennis or for community events including organised fetes, festivals, parades and performances that may include stall holders engaging in a trade or business and small-scale private sector events including parties, weddings, filming and photography, permissible under the Hornsby Local Environment Plan 1994, and other uses permitted under this Plan of Management. These events may be held within the hours of 8am and 10pm.

4. Leasing of Tennis Court

A lease may be granted for use of the tennis court for coaching as a trade or business, on weekdays and Saturdays mainly during daylight hours. The lease may also provide for sub-letting of the facilities for casual bookings after 8am but possibly up to 10pm.

5. Leasing of Baseball Batting Tunnels

A lease may be granted for use of the baseball batting tunnels on weekdays and weekends after 8am and for night use up to 10pm. The lease may provide for sub-letting of the facilities for baseball / softball.

A formal lease agreement is to be established between Hornsby Shire Council and the lessee of the baseball batting tunnels. The lease will allow for sub letting of the facility for a fee.

Leasing and Licensing of Community Centre

The following types of licences will be granted for the exclusive use of the community centre.

1. Annual licences

Annual licences in the form of hiring agreements are granted to regular user groups of the Cherrybrook Community Centre. Fees charged for regular users are in accordance with the Fee Schedule adopted by council after public exhibition for twenty eight (28) days as required by the Local Government Act 1993.

Currently regular bookings include but are not limited to various forms of recreation classes (dancing, martial arts, and aerobics), educational classes and community group meetings (church groups, Probus club).

2. New Licences

In 2003 Council approved a lease over part of the proposed extension of the Cherrybrook Community Centre. The office and storage space portion of this extension will be leased out to the Cherrybrook Chinese Association for a period of up to 21 years.

3. Casual Hire

The Cherrybrook Community Centre is available for casual use at times when not used by regular hirers. Hiring permits are issued on the basis of prior bookings made. Charges for casual use are in accordance with the Fees Schedule adopted by council after public exhibition

for twenty eight (28) days as required by the Local Government Act 1993.

Casual bookings occur generally on Friday, Saturday and Sunday evenings and all day Saturday. Casual bookings include but are not limited to weddings, birthday parties and community functions.

Other Leases and Licences

Future Uses

When current leases expire, council should reassess the lease and licensing arrangements. Issues to be considered when reassessing leases or entering into new agreements include:

- Ensuring all leases and licences are based on a sound asset management basis with rents and charges having regard to market values and other social and economic factors;
- Ensuring all leases and licences meet the requirements of relevant State and Local Government Acts and council town planning controls;
- Ensuring proposed activities are compatible with the core objectives established in the Local Government Act;
- Negotiating greater financial returns which will contribute to management and maintenance of community land;
- Requiring the lessee to carry out improvement works to the leased facility.

All future lease / licence arrangements entered into shall be in accordance with council's Policies CSISAS 12 – *Delegation of Authority to Grant Lease / Licence Agreements*, CSISAS 13 - *Use of Council Buildings by Kindergartens* and CSISAS 14 - *Lease/Licence of Council Land* and in accordance with requirements of the Local Government Act 1993. Where a lease arrangement has been entered into with council for community land, subleasing of the land must be in accordance with the requirements of section 47C of the Local Government Act 1993.

Crossing of Reserves

Section 46 of the Local Government Act 1993 prevents council's from granting leases, licences or other estates over community land for private purposes except in the use of a road or fire trail in existence on 31 December 2000 as per Part 3 Section 24 (3) & (4) of the Local Government (General) Regulation 1999.

Liquor Licences

Although granting of liquor licences are subject to other approvals and are not at the sole discretion of council, this Plan of Management allows for council to give permission as the landowner for liquor licences in Greenway Park subject to other necessary approvals. Applications for liquor licences will be considered on individual merits however and will only be considered when other relevant criteria are met.

Casual Liquor Licences

The consumption of alcohol in Greenway Park will be allowable BUT ONLY WITH WRITTEN COUNCIL CONSENT under the following conditions: -

- People will not be allowed to enter or remain in the Park in an intoxicated state.
- People will not be permitted to consume alcohol in the Park while junior games are in progress.
- People will not be permitted to consume alcohol within 10 metres of children's play areas.

As such the 'Public Reserves Notice' contained in Appendix 4 has been amended to allow for this.

Granting of Estates

This Plan of Management allows council to grant '*an estate*' over community land for the provision of public utilities and works associated with or ancillary to public utilities in accordance with the Local Government Act 1993. Estates may also be granted across community land for 'the provision of pipes, conduits or other connections under the surface

of the ground for the connection of premises adjoining the community land to a facility of the council or other public utility provider that is situated on the community land. Estates will be granted in accordance with the requirements of the Local Government Act 1993.

An estate in respect of this land is authorised by this Plan of Management for the purpose of a 'public road' under the following conditions (S.47F) :

- where the provision of that road is consistent with the core objectives;
- where that road is necessary to facilitate enjoyment of the land or any facility on that land;
- and where other means of access other than public road access have been considered.

3.10 Telecommunication Towers

This Plan of Management will allow establishment of telecommunications facilities where the proposal has considered council's Policy for Telecommunication Facilities PSA 10, where the towers are low impact under the Telecommunications Act or have minimised impact to a degree acceptable to council and where there is an approved Development Application.

4.0 MASTERPLAN FOR GREENWAY PARK

Figure 5 shows the Masterplan for Greenway Park (Plan 784.23) including recent major improvements to the site such as baseball dugouts, baseball batting tunnels and a skateboard bowl. The location of the new dog leash free area and proposed location of the Aquatic Centre can be seen in Figure 1.

Following is a list of future development proposals for Greenway Park:

- Extension of Community Centre including a child care centre
- Potential expansion of the skate park.
- Lighting of tennis / netball courts to allow for night use;
- Complete drainage works on Field No.2;
- Installation of an automatic watering system to Field No.2;
- Upgrade of existing lighting on playing field No.1;
- Control of use of the Park for bicycle riding, possibly with new facilities.
- Additional parking to cater for users of existing and proposed recreation facilities near the site of the proposed aquatic centre; and
- Construction of additional picnic and barbecue facilities.

At the time of preparing this Plan of Management, the future development proposals were not included in council's budget. An estimate of the future costs of the above proposals is contained in Appendix 5. When funding is allocated to these projects, development consent will be sought as required, allowing further opportunity for public comment.

4.1 ASSET INFORMATION

The following provides information on the facilities available within Greenway Park. Information provided includes a description of the condition of land, buildings and other improvements within the Park and their current and future uses as required under the Local Government Act Amendment (excluding the Aquatic Centre which falls on Operational land and will not be included in this Plan of Management once it is built).

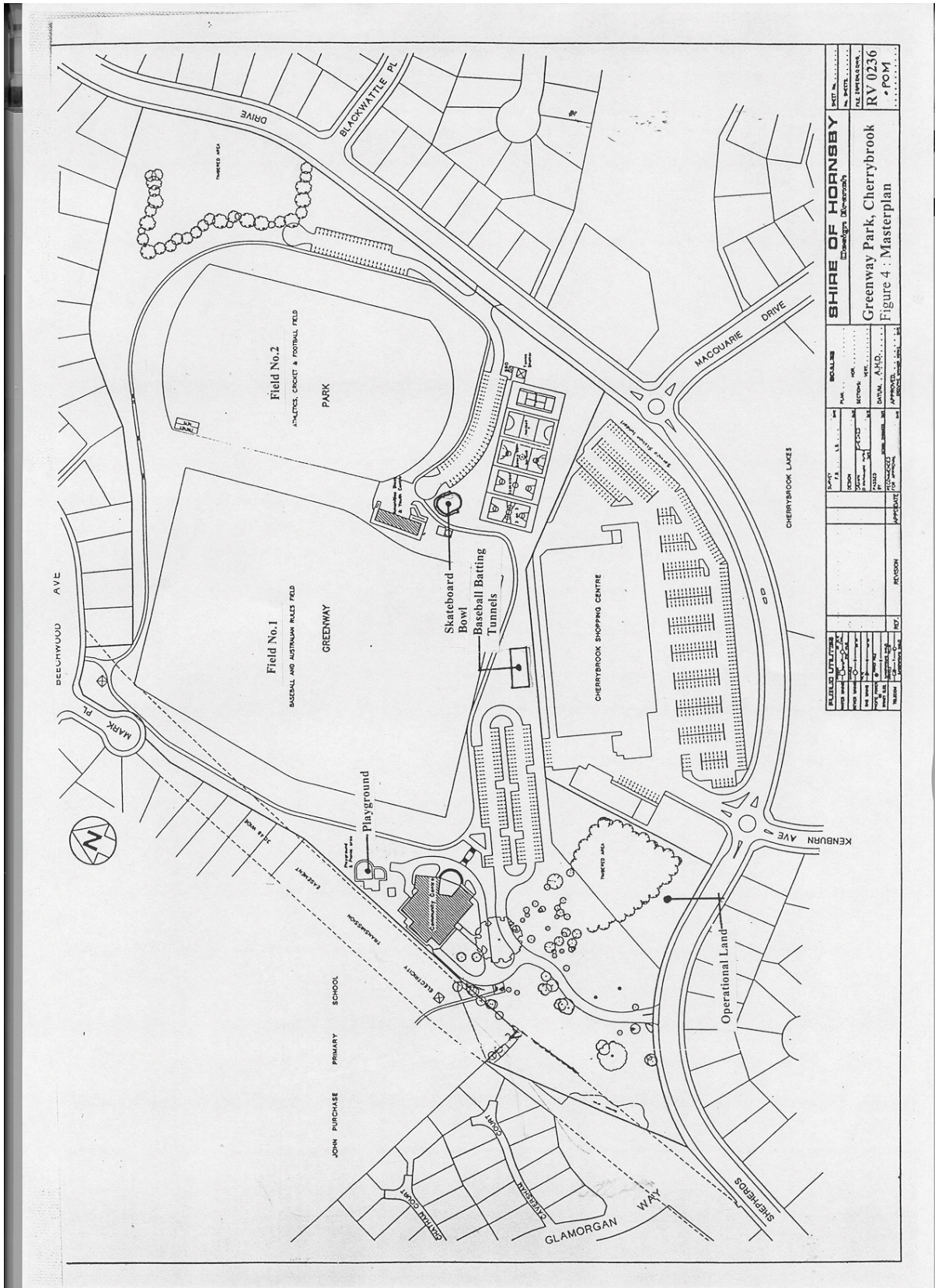


Figure 5. Masterplan for Greenway Park showing existing facilities.

Greenway Park

Reserve No:	263
ID No:	796,797,798, 1070, 1071, 648
Matman Equipment No:	
Address:	Shepherds Drive (31X, 33X, 35-39X, 69-85X), Beechwood Parade (33X), Glamorgan Way (2X), Cherrybrook.
Lot and DP:	Lot 1 DP 263752, Lot 1 DP 360995, Lot 4204 DP 706256, Lot 4203 DP 706256, and Lot 6 DP 270055.
Area:	14.0 ha
Zoning:	All is zoned Open Space A (Public Recreation), except Lot 4203 DP 706256 which is zoned Special Uses A (Community Purposes) along with a portion of Lot 4204 DP 706256
Land Owners:	Hornsby Shire Council
Classification:	Community Land and Operational Land
Community Land Categories:	Park, Sportsground, General Community Use and Natural Area
Subcategories:	Bushland
Recategorised Since Last POM:	No
Relationship to Other Plans:	This plan supersedes the Greenway Park, Plan of Management 2000. The Operational Land is also mentioned since it is the proposed location of an Aquatic Centre. The natural area of Greenway Park will also be included in the Significant Areas Bushland Plan of Management and Action Plans when it is updated.

Description and Site Analysis:



Natural and Cultural Heritage

- Soil derived from Wianamatta Shale
- Vegetation Community M: *Syncarpia glomulifera*, *E. paniculate*, *A. costata* Sydney Turpentine-Ironbark Forest.
- Site contains no known Aboriginal relics (Keottig, 1996)
- The bushland located in the north eastern and southern area of the park is heritage listed and is regarded as being of local heritage significance (*Hornsby Shire LEP, 1994*)

Conservation Status

- Vegetation Community is of State conservation significance as it is listed as an Endangered Ecological Community under the *Threatened Species Conservation Act (1995)*
- Reserve contains significant bushland habitat (Land and Environment Planning, 1994)

Condition

- The northern bushland remnant has a high edge to area ratio and is subsequently vulnerable to external influences such as weed propagules and pest animal predation. Overall condition: Poor

Facilities Provided or Proposed

- Field no. 1 - Accommodates 4 senior baseball diamonds with eight dugouts, pitchers warm up area (bullpen) and one senior Australian Rules field.
- Field no. 2 - Contains an athletics track around the perimeter with long jump pit. The field also accommodates a rugby field and artificial cricket wicket with three practice nets.
- Lighting – Floodlights for Fields 1 and 2. Security lights for car parks and bicycle track plus proposed lighting for netball and tennis courts.
- Irrigation – For fields 1 and 2.
- Courts - 2x Basketball, 2x Netball, 1x tennis court
- Graffiti Wall
- Baseball batting tunnels – fully enclosed with lighting
- Amenities building – Consists of two levels with 6 change rooms, 2 canteens, ground managers office, store rooms, and grounds mans room.

- Skateboard Park - Concrete bowl with flat top pyramid with possible expansion in future.
- Fenced off leash free dog exercise area.
- Community Centre – Brick building with large hall (400 seats), small hall (140 seats), 2 equipped kitchens, toilets (including disabled), showers and 4 storage rooms. Future extension of the halls (approx 140 sq. metres) is also proposed.
- Playground with softfall
- Bicycle track – Approximately 1100m long around playing fields.
- Picnic and barbeque facilities, including seats and bubblers. With possible construction of additional facilities in future.
- Car Parks – There are 3 on site. The upper car park near the community centre has 115 spaces. The 2 lower car parks near field no. 2 have 44 and 61. There is also a proposed additional car park of approximately 10 spaces to be built above the leash free area.

Management:

Recurrent Expenditure

- Inspection and ongoing maintenance of assets such as: buildings, floodlights, wickets, oval, leash free area, tennis courts, netball courts, basketball courts, skate park, car park, fencing, barbeques and playground equipment
- Line marking and surface repairs
- Spraying for pests, change of season works
- Tree maintenance and mowing
- Fertilising, turfing worn areas and topdressing
- Garbage collection
- Cleaning and maintenance of toilets

Exceptional Expenditure

- Repairs due to vandalism, unauthorised vehicular access or use of playing field in inappropriate conditions
- Control of pests and diseases of turf as required
- Resurfacing courts
- Replacement of equipment components as required from either wear and tear or vandalism

Comments

- The proposed Aquatic Centre will be developed on the parcels of Operational Land located at Greenway Park and once complete will have it's own management plan
- Volunteer Bush regeneration carried out in bushland

**Level of Service Grading:
Existing Leases:**

High

Leases exist for the tennis court; Amenities building and Community Centre. Periodic licences are available for various games, sports training and community uses consistent with open space zoning.



PART 2 - ACTION PLAN

Objectives have been determined in Part 1 of the Plan of Management for each of the relevant principles and strategies of the Park's management. They provide a broad statement of the desired achievement for each of the strategies.

As required by the Local Government Act (1993), Part 2 of the Plan of Management has been developed to provide specific statements on how the objectives of the Plan of Management will be achieved.

Following are definitions of the terms used in the Action Plan.

Levels of Service together with **Management Strategies** are broad statements indicating how the objectives might be achieved, and what users and the general public may expect in the provision of the service that Greenway Park is aimed at providing.

Actions are the specific statements that elaborate on the strategy.

Performance Measures are how council will know what progress is being made relative to the timeframe established for the actions, or whether the final achievement is realised.

This section of the Plan will require review to ensure it is an effective working document. It will provide a framework for management consistent with anticipated availability of resources and anticipated community needs.

The timing determined for improvements will be subject to the availability of funds and will require revision if circumstances alter.

Definitions of timing for actions are as follows:

- ST** (Short Term) - Action completed within 2 years
- MT** (Medium Term) - Action completed within 2 - 4 years
- LT** (long Term) - Action commenced after 4 years
- O** (Ongoing) - Action carried out on a regular basis for the term of this Plan of Management

Assessment

Assessment of targets will take place in reviews of the Action Plan at intervals no greater than five years. Monitoring on an annual basis will also occur.

Assessment will include qualitative and quantitative reviews of targets.

Levels of service

MANAGEMENT STATEMENT	ACTION	RESPONSIBLE TEAM	TIME FRAME	PERFORMANCE MEASURES
Availability Sportsgrounds will be available, attractive and enjoyable.	<ul style="list-style-type: none"> Monitor the availability of council grounds 	MPL	O	<ul style="list-style-type: none"> Council grounds are available for casual and seasonal booking 80% of the time 4% increase in casual parks bookings per annum
Maintenance Sportsgrounds and parks will be maintained in a safe and aesthetically pleasing condition.	<ul style="list-style-type: none"> Undertake routine safety and suitability inspections Undertake regular maintenance 	MPL	O	<ul style="list-style-type: none"> 25 maintenance passes per year Respond to requests for maintenance within 12 days 90% satisfaction as measured by the park user survey
Value for money Fees paid to use sportsgrounds and parks will represent value to users	<ul style="list-style-type: none"> Compare the cost of providing sportsgrounds and parks with fees received from users 	MPL	O	<ul style="list-style-type: none"> Council's fees and charges are reviewed to provide council perceived value for money.
Upkeep of amenities Amenities, including toilets, showers and change rooms, will be made available at all major sporting grounds, in a safe and aesthetically pleasing condition.	<ul style="list-style-type: none"> Monitor amenities to ensure they are available in an acceptable condition Assess the need for amenities in grounds that do not provide these services. 	MPL MPL	O O	<ul style="list-style-type: none"> Facilities are available at all identified major grounds in a safe and acceptable condition at all times.

MPL – Manager Parks and Landscape
HSC – Various Council Branches

MBB – Manager Bushland and Biodiversity
MWM – Manager Waste Management

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Levels of Service

MANAGEMENT STATEMENT	ACTION	RESPONSIBLE TEAM	TIME FRAME	PERFORMANCE MEASURES
Booking service During normal business hours a responsive booking service will be available.	<ul style="list-style-type: none"> Ensure a booking officer or other council staff member will be available between 8.30am and 5.00pm to take bookings and answer enquiries. 	MPL	ST	<ul style="list-style-type: none"> Booking officer is always available during council's business hours.
Notification User groups will be notified of major maintenance or capital works on grounds and amenity blocks where they may be affected.	<ul style="list-style-type: none"> Maintain communication links with sporting groups and other identified major park and sportsground users Notify user groups at the earliest possible convenience of changes to oval availability due to maintenance and works. Maintain a 'Wet Weather Line' to allow users 24 hours a day, 7 days a week access to information on ground availability affected by weather 	MPL	O	<ul style="list-style-type: none"> Major user groups are always notified of major maintenance or works that will impact upon the users use of the park or oval. 90% satisfaction as measured by the to be implemented end of season user survey Wet Weather Line 100% accurate at all times
Maintenance of sportsgrounds Sportsgrounds will be maintained to acceptable standards consistent with the level of sport being played for each sporting code.	<ul style="list-style-type: none"> Grounds are marked before the days play to the sporting codes specifications and standards Randomly survey users once per annum to gauge satisfaction with provided services 	MPL	ST	<ul style="list-style-type: none"> The maximum height of sportsground turf prior to matches is 75mm Turf cover will be maintained at 95% Grounds are always correctly marked and ready for the identified sporting code before the day of play. 90% satisfaction as measured by the to be implemented end of season user survey

Levels of Service

MANAGEMENT STATEMENT	ACTION	RESPONSIBLE TEAM	TIME FRAME	PERFORMANCE MEASURES
Complaints and queries Complaints and queries associated with parks and sportsgrounds will be responded within 12 working days.	<ul style="list-style-type: none"> Customer service officer available to take complaints and answer enquiries between 8.30am and 5.00pm, Monday to Friday. Ranger or after hours contact available for weekends. Crew or staff available to action urgent requests. 	MPL	O	<ul style="list-style-type: none"> Queries and complaints responded to or actioned within 12 days. 90% satisfaction as measured by the to be implemented end of season user survey
Bike Tracks Bike tracks will be maintained in a safe condition, free of obstacles	<ul style="list-style-type: none"> On routine maintenance checks bike tracks will be checked for obstacles and hazards Obstacles on or near bike tracks will be removed 	MPL	O	<ul style="list-style-type: none"> 25 maintenance passes per year Respond to requests for maintenance within 12 days No. of insurance claims from users of parks and sportsgrounds is less than or equal to 4 per annum
Courts Courts will be maintained in a usable and safe condition	<ul style="list-style-type: none"> Courts are clearly marked for the sporting codes played on them Where possible damaged nets and poles will be replaced 	MPL	O	<ul style="list-style-type: none"> All courts including netball, tennis and basketball courts are clearly marked Maintenance or replacement of damaged poles, nets and rings is carried out within 14 days of being notified by users
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Levels of Service

MANAGEMENT STATEMENT	ACTION	RESPONSIBLE TEAM	TIME FRAME	PERFORMANCE MEASURES
Parks furniture Parks furniture will be maintained to a safe and aesthetically pleasing standard	<ul style="list-style-type: none"> Furniture in parks including seats, tables, rubbish bins and signs will be regularly maintained Furniture in parks that has been vandalised will be repaired or replaced as funds become available, if the furniture poses a public hazard it will be removed 	MPL/MWM MPL/MW	O O	<ul style="list-style-type: none"> 25 maintenance passes per year Respond to requests for maintenance within 14 days
Barbeques Parks barbeques will be clean and operable	Barbeques will be cleaned once a week	MPL	O	<ul style="list-style-type: none"> Barbeques are operable 95% of the time. Maintenance on inoperable or damaged barbeques is carried out within 14 days
Fences Park and sportsground fencing will be maintained in a safe condition.	<ul style="list-style-type: none"> Replace damaged fencing 	MPL MPL	O O	<ul style="list-style-type: none"> 25 maintenance passes per year Respond to requests for maintenance within 14 days
Taps and bubblers Taps and bubblers in parks and sportsgrounds will be operational	<ul style="list-style-type: none"> Reports of leaking taps or bubblers will be responded to in 2 days 	MPL	O	<ul style="list-style-type: none"> 25 maintenance passes per year Respond to requests for maintenance within 2 days
Car parks Car parks are free of obstacles and hazards	<ul style="list-style-type: none"> identify and remove obstacles Undertake regular maintenance checks to determine that lights are operational 	MPL MPL	O O	<ul style="list-style-type: none"> 25 maintenance passes per year Respond to requests for maintenance within 14 days

Levels of Service

MANAGEMENT STATEMENT	ACTION	RESPONSIBLE TEAM	TIME FRAME	PERFORMANCE MEASURES
Drainage Drainage is functioning at its optimum capacity	<ul style="list-style-type: none"> • Drains are kept clear of leaf litter and other blockages 	Manager Assets	O	<ul style="list-style-type: none"> • Drains do not overflow up to a 1 in 100 year storm event
Lighting Security and floodlighting is always operational	<ul style="list-style-type: none"> • Respond to calls for maintenance • Undertake regular maintenance checks 	MPL	O	<ul style="list-style-type: none"> • Inoperable or damaged security lights are fixed or replaced within 7 days of being notified by users • Inoperable or damaged floodlights are replaced within 5 days of being notified by users

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Levels of Service

MANAGEMENT STATEMENT	ACTION	RESPONSIBLE TEAM	TIME FRAME	PERFORMANCE MEASURES
System management standards Monitoring requirements will comply with those specified in the contract.	<ul style="list-style-type: none"> Contract work will be monitored to assess compliance with requirements specified in the contract. 	MPL	O	<ul style="list-style-type: none"> Contract work is monitored and reports generated to reflect monitoring outcomes.
Risk to parks and sportsgrounds, including financial exposure, should be identified and limited to defined levels.	<ul style="list-style-type: none"> Identify elements of risk for parks and sportsgrounds Determine acceptable levels of risk Take action to limit possible risks to defined levels 	MPL MPL/Manger Risk & Insurance MPL	ST ST O	<ul style="list-style-type: none"> Risks are identified and documented, and limited to defined levels. No. of insurance claims from users of parks and sportsgrounds is less than or equal to 4 per annum
Contain expenditure on parks and sportsgrounds.	<ul style="list-style-type: none"> All possible action is taken to keep council's expenditure on parks and sportsgrounds within plus or minus 5% of its budget. 	MPL	O	<ul style="list-style-type: none"> Expenditure remains within plus or minus 5% of the budget.
All significant capital expenditure will be subject to economic appraisal.	<ul style="list-style-type: none"> Undertake economic appraisal, including cost benefit analysis, of major capital works 	MPL/MHP	As required	<ul style="list-style-type: none"> Economic appraisal is undertaken for all major capital works

Levels of Service

MANAGEMENT STATEMENT	ACTION	RESPONSIBLE TEAM	TIME FRAME	PERFORMANCE MEASURES
All records are to be kept to defined standards.	<ul style="list-style-type: none"> Identify defined standards for record keeping Keep accurate and complete records to defined standards 	MPL MPL	ST O	<ul style="list-style-type: none"> Correspondence will be kept in accordance with Records required standards All park plans will be filed in Parks and Landscape records under the relevant reserve number All maintenance activity will be recorded on a computer database All complaints/requests are to be logged and maintained on a computer database.
Health and safety standards At all times council employees and contractors will comply with Occupational Health and Safety Standards.	<ul style="list-style-type: none"> Familiarise council staff with Occupational Health and Safety Standards Maintain work practices to comply with Occupational Health and Safety standards Encourage staff to report breaches of Occupational Health and Safety standards to the designated OH&S officers. 	MPL/MHR MPL MPL	O O O	<ul style="list-style-type: none"> Occupational Health and Safety Standards are maintained
Council will comply with the Australian Standards for playgrounds and play equipment.	<ul style="list-style-type: none"> Maintain playgrounds and play equipment to relevant safety standards where possible Undertake routine safety inspections Undertake regular maintenance 	MPL MPL MPL	O O O	<ul style="list-style-type: none"> Safety in playgrounds and for playground equipment is upheld to Australian Standards (AS 1924, AS 4422 and AS 4486). 25 maintenance passes per year Comprehensive inspections are undertaken on a quarterly basis
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Levels of Service

MANAGEMENT STATEMENT	ACTION	RESPONSIBLE TEAM	TIME FRAME	PERFORMANCE MEASURES
The use of pesticides in parks and sportsgrounds will be kept to a minimum and comply with the relevant codes of practice and legislation to minimise any health effects and/or impacts on the environment.	<ul style="list-style-type: none"> Use of pesticides will comply with the relevant codes of practice 	MPL	O	<ul style="list-style-type: none"> Pesticide use is minimised and complies with the relevant codes of practice.
	<ul style="list-style-type: none"> Use of pesticides, where possible, will be kept to a minimum 	MPL	O	
Environmental Standards Noise and lighting will be minimised to reduce possible impacts on neighbouring residences.	<ul style="list-style-type: none"> Identify required level of lighting to provide safety and security as well as amenity 	MPL	ST	<ul style="list-style-type: none"> Impact of noise and lighting on residents is minimised.
	<ul style="list-style-type: none"> Identify impacts of noise and lighting on residents 	MPL	ST	
	<ul style="list-style-type: none"> Take action to ameliorate the impact of noise and lighting on adjoining residences 	MPL	O	
	<ul style="list-style-type: none"> Maintain the principles of sustainability in all aspects of environmental and resource management, taking into consideration economic, ecological and social factors 	MPL/MBB	O	<ul style="list-style-type: none"> All management decisions take into consideration the principles of sustainability
Comply with the principles of sustainable resource and environmental management including Local Agenda 21.				

Levels of Service

MANAGEMENT STATEMENT	ACTION	RESPONSIBLE TEAM	TIME FRAME	PERFORMANCE MEASURES
<p>Legislative standards Services are provided to agreed levels and standards such as national and industry standards, local bylaws, the LEP and policies and standards resultant from public consultation.</p>	<ul style="list-style-type: none"> Staff are update and familiar with the relevant legislation impacting upon the level and standard of council services 	MPL	O	<ul style="list-style-type: none"> Activities of council uphold legislative requirements.
<p>Technical standards The design of any new structures in parks or sports grounds must comply with the relevant building standards.</p>	<ul style="list-style-type: none"> New buildings and structures comply with the relevant building standards 	MPL	O	All new buildings and structures in parks and sporting grounds comply with the relevant building standards.
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Provision of Open Space

Greenway Park Action Plan

MANAGEMENT STRATEGY	ACTION	RESPONSIBLE TEAM	TIME FRAME	PERFORMANCE MEASURES
Provision of Recreation Facilities Recreation facilities are to be provided in Greenway Park to address the needs of the community in an equitable manner where possible.	<ul style="list-style-type: none"> Determine current recreation needs of the community from the Recreation Needs Study and Open Space Plan and from community consultation. 	MPL	ST	<ul style="list-style-type: none"> Recreation facilities in the Park address inequities in the provision of open space facilities in the district.
	<ul style="list-style-type: none"> Undertake community consultation periodically to determine trend changes in the recreation needs of the community. 	MPL	O	<ul style="list-style-type: none"> Community consultation is carried out periodically.
Greenway Park is to be available for the use of the general public except for licensed areas at licensed times.	<ul style="list-style-type: none"> Where possible, address identified needs within Greenway Park, without developing the site beyond its carrying capacity. 	MPL	O	<ul style="list-style-type: none"> Recreation facilities provided within Greenway Park cater for the needs of the community without overdeveloping the site.
	<ul style="list-style-type: none"> Ensure equitable distribution of formal recreation facilities 	MPL	O	<ul style="list-style-type: none"> Formal recreation facilities are allocated in an equitable manner
	<ul style="list-style-type: none"> Provide facilities for informal recreation to maximise recreation opportunities, without developing the Park beyond its carrying capacity. 	MPL	MT	<ul style="list-style-type: none"> Informal recreation facilities are provided to address identified deficiencies.

Equity

Greenway Park Action Plan

MANAGEMENT STRATEGY	ACTION	RESPONSIBLE TEAM	TIME FRAME	PERFORMANCE MEASURES
Linkages Provide links with other areas of open space to maximise recreation opportunities.	<ul style="list-style-type: none"> Determine possible links with other areas of open space which would be advantageous in maximising recreation opportunities. Establish links using pathways and signage where appropriate. 	MPL	MT	<ul style="list-style-type: none"> Review Open Space Strategy by 2003
Disabled / Stroller Access Provide access for disabled users and strollers into appropriate areas of the Park where possible.	<ul style="list-style-type: none"> Identify areas with unsuitable access and provide access paths to these areas where appropriate and as finances allow. Satisfy the requirements of the <u>Disability Discrimination Act 1992</u> and the <u>Anti-Discrimination Act 1977</u>. Provide appropriate number of parking spaces in accordance with the requirements of the Access and Mobility DCP, to allow access for users with disabilities. 	MPL / MCS MPL / MCS MPL / MCS	MT O ST	<ul style="list-style-type: none"> Disabled / stroller access is provided into appropriate areas of the park. Requirements of the Disability Discrimination Act and Anti-Discrimination Act are met. Appropriate number of parking spaces are provided for users with disabilities in accordance with the requirements of the Access and Mobility DCP.

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Management of Open Space

Greenway Park Action Plan

MANAGEMENT STRATEGY	ACTION	RESPONSIBLE TEAM	TIME FRAME	PERFORMANCE MEASURES
Asset Management An asset management system be developed to streamline management of council's assets.	<ul style="list-style-type: none"> Develop asset inventory for Greenway Park including description, condition analysis, scale and intensity of use, customer satisfaction, life expectancy and through life costs Include Asset Management information in Plans of Management. Review asset information annually 	MPL / MCS / MBB	ST ST O	<ul style="list-style-type: none"> Inventory developed and included in Plans of Management. Information is annually reviewed and updated.
Boundary Management Encourage good neighbour relations with surrounding properties while ensuring private use of community land only occurs in accordance with the guidelines established in the Local Government Act.	<ul style="list-style-type: none"> Respond promptly to complaints from adjoining properties where complaints relate to use of the Park. Inform adjoining landholders of requirements of Local Government Act to prevent private use of community land. Consult with sporting groups where negative impacts are directly associated with their use. If negative impacts associated with a particular group continue, consider reallocating fields to other sports. 	MPL MPL MPL	O ST O	<ul style="list-style-type: none"> Respond within 5 working days Adjoining properties are requested to cease private use of community land as required. Sporting groups are given opportunity to address problems internally before council imposes a solution.

Management of Open Space

MANAGEMENT STRATEGY	ACTION	RESPONSIBLE TEAM	TIME FRAME	PERFORMANCE MEASURES
Vandalism Develop and implement programmes to minimise incidences of anti-social behaviour in Greenway Park.	<ul style="list-style-type: none"> Design future facilities to facilitate casual surveillance where possible. Maintain surveillance patrols as required. Support community programmes to deal with anti-social behaviour. Provide security lighting as appropriate 	MPL MPL HSC MPL	O O O O	<ul style="list-style-type: none"> Facilities within the park are designed to reduce opportunities for vandalism. Surveillance patrols are carried out at known problem times. Council supports community programmes dealing with anti-social behaviour. Lighting is provided where required.
Community Advertising Allow opportunity for community advertising within the Park	<ul style="list-style-type: none"> Ensure signage used within Greenway Park complies with the Outdoor Advertising DCP in relation to Community Advertising. 	MPL / MCS	O	<ul style="list-style-type: none"> Advertising signage complies with the Outdoor Advertising DCP

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Management of Open Space Greenway Park Action Plan

MANAGEMENT STRATEGY	ACTION	RESPONSIBLE TEAM	TIME FRAME	PERFORMANCE MEASURES
Vehicular Access Restrict access into the Park to maintenance and emergency vehicles as required.	<ul style="list-style-type: none"> Prevent general vehicular access to unauthorised areas of Greenway Park by use of fencing and gates. Provide opportunities for access of maintenance and emergency vehicles as required. 	MPL	O	<ul style="list-style-type: none"> General vehicular access into Greenway Park is restricted. Emergency and maintenance vehicle access is provided as required.
Maintenance Use The Park be available for use as a temporary or permanent works depot for storage of materials associated with maintenance as required.	<ul style="list-style-type: none"> Make Park available for temporary storage of items and materials associated with council maintenance activities where there are no adverse impacts on the existing users of the Park and adjoining properties. 	MPL	O	<ul style="list-style-type: none"> Park is available as a works depot if required. No adverse impacts on adjoining properties or existing users
Emergency Use Use of Greenway Park for temporary helicopters, emergency vehicles, staging areas or temporary storage of materials is restricted to emergency activities or community events supported by council.	<ul style="list-style-type: none"> Make Park available to emergency authorities in crisis situations as required 	MPL	O	<ul style="list-style-type: none"> Greenway Park is available to emergency authorities in crisis situations

Management of Open Space Greenway Park Action Plan

MANAGEMENT STRATEGY	ACTION	RESPONSIBLE TEAM	TIME FRAME	PERFORMANCE MEASURES
Lighting Provide lighting to maximise opportunity for night use of recreation facilities without adversely affecting neighbouring properties.	<ul style="list-style-type: none"> Submit a Development Application for any future proposals to upgrade or install lighting. Maintain limits for use of night lighting of playing fields and courts to minimise adverse impacts on neighbours. Investigate any complaints regarding lighting promptly. 	MPL	O	<ul style="list-style-type: none"> Development applications are submitted for any future lighting proposals Limits for use of lighting of playing fields and courts are complied with. Turnaround time for response to is 2 working days.
Traffic Impact Minimise impact of proposed aquatic facility on local traffic volumes.	<ul style="list-style-type: none"> DA for aquatic centre is to include an impact assessment of the proposed facility on local traffic volumes. DA is to include traffic measures to minimise impacts on local traffic if required following assessment. 	HSC	MT	<ul style="list-style-type: none"> Traffic impact assessment is prepared as part of DA. Traffic control measures are included in proposal if required.
Parking Areas Minimise anti-social behaviour in car parking areas.	<ul style="list-style-type: none"> Lock car parks at night as required to prevent undesirable activities. As required, investigate and construct traffic controls in car parks. 	MPL	O	<ul style="list-style-type: none"> Car parks are locked at night
			MT	<ul style="list-style-type: none"> Traffic control measures are installed as required. Anti-social behaviour in car parks is minimised.

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Management of Open Space

MANAGEMENT STRATEGY	ACTION	RESPONSIBLE TEAM	TIME FRAME	PERFORMANCE MEASURES
Future Parking Provide additional parking as required to cater for community and recreation facilities within the Park.	<ul style="list-style-type: none"> Investigate need for additional parking to cater for existing and future facilities within the Park. Determine costs and funding sources for construction of additional parking and include in future council budgets. Subject to development approval, construct additional parking areas to cater for the existing and future needs. 	HSC HSC HSC	MT MT MT	<ul style="list-style-type: none"> Need for additional parking is determined. Funds for additional parking are included in future council budgets Additional parking is constructed.
Expansion of Facilities Facilities are not to be expanded beyond limits outlined in the Plan of Management. User movements and activities are to stay within reasonable limits.	<ul style="list-style-type: none"> This Plan of Management establishes limits for the future development of community land within Greenway Park. 	MPL	ST	<ul style="list-style-type: none"> Plan of Management is adopted with limits for development of Greenway Park.
Visual Quality Future improvements in Greenway Park will enhance the landscape character of the area.	<ul style="list-style-type: none"> Design of new facilities within Greenway Park is to reflect the existing character through use of similar materials and colours. 	MPL	O	<ul style="list-style-type: none"> Existing landscape character is reflected in future development of Greenway Park
Future Proposals Future development of Greenway Park complies with objectives of the Plan of Management.	<ul style="list-style-type: none"> Ensure any future proposals comply with the core objectives of the Plan of Management. Development consent for improvements is sought where required by council. 	MPL MPL	O O	<ul style="list-style-type: none"> Future proposals comply with core objectives. Development proposals are approved as required.

Management of Open Space ACTION	RESPONSIBLE TEAM	TIME FRAME	PERFORMANCE MEASURES
<p>Minor council Works</p> <p>Minor works are carried out in accordance with the Exempt and Complying Development – Development Control Plan and this Plan of Management.</p> <ul style="list-style-type: none"> Requirements of the Exempt and Complying Development Control Plan are met for minor council works. Part V assessments are completed for developments that could potentially affect neighbouring properties or impact on the environment. 	MPL MPL	O O	<ul style="list-style-type: none"> Requirements are met. Part V assessments are completed for minor council works as required.
<p>Trees /Shade</p> <p>Trees are used to enhance the visual quality of Greenway Park and provide shade for users.</p> <ul style="list-style-type: none"> Additional trees are planted where appropriate to provide shade for users. Existing trees are to be retained where possible. Provide picnic shelters for shade as required. 	MPL MPL MPL	O O O	<ul style="list-style-type: none"> Tree planting is implemented as required. Existing trees are retained. Picnic shelters are provided as required.
<p>Gardens</p> <p>Plant species used in gardens are to be compatible with the bushland areas of the park.</p> <ul style="list-style-type: none"> Use indigenous plants in garden areas of the park. Use gardens to reclaim turfed areas surplus to recreation requirements. 	MPL MPL	O O	<ul style="list-style-type: none"> Indigenous plants are used in garden areas. Surplus grassed areas are developed as gardens.
<p>Dogs</p> <p>Encourage responsible exercising of dogs within Parks and provide leash free dog runs where appropriate.</p> <ul style="list-style-type: none"> Reserves notice is erected in Greenway Park regarding responsibility of dog owners. Investigate provision of a leash free dog run in the Park 	MPL MPL	ST MT	<ul style="list-style-type: none"> Reserves notice is erected in Greenway Park Provision of leash free dog run in Greenway park is considered by council.

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Management of Open Space

MANAGEMENT STRATEGY	ACTION	RESPONSIBLE TEAM	TIME FRAME	PERFORMANCE MEASURES
Safety Recreation facilities comply with council's risk and safety principles and relevant safety standards.	<ul style="list-style-type: none"> Develop a checklist in line with the Management Strategy and utilise it at least quarterly 	MPL / Manager, Risk and Insurance	O	<ul style="list-style-type: none"> Check list is developed and utilised by staff quarterly.
Public Liability Contractors engaged to work in Greenway Park have Public Liability Insurance to the satisfaction of council's Risk and Insurance requirements.	<ul style="list-style-type: none"> Consult with councils Risk and Insurance Manager to determine levels of cover required. Ensure contractors have the necessary insurance before they are engaged to undertake any work within Greenway Park 	MPL MPL	O O	<ul style="list-style-type: none"> Risk and Insurance Manager is consulted. Contractors engaged to work in Greenway Park are appropriately insured.
Sports clubs, school and other organised groups using the Park have appropriate public liability cover as required by council.	<ul style="list-style-type: none"> Appropriate levels of cover are determined through consultation with the Risk and Insurance Manager. Ensure organised user groups have appropriate insurance cover as required, before grounds are allocated. 	MPL / Manager Risk and Insurance	O O	<ul style="list-style-type: none"> Risk and Insurance Manager is consulted. Organised user groups have appropriate insurance cover prior to using facilities in Greenway Park
Volunteers Volunteers working within the Park are covered by appropriate insurance as required by council's Risk and Insurance Manager.	<ul style="list-style-type: none"> Register volunteer workers with the Risk and Insurance Manager prior to any work being undertaken, as required. 	MPL / MBB / Risk and Insurance Manager	O	<ul style="list-style-type: none"> Volunteer workers are registered prior to working within the Park.

Management of Open Space

Greenway Park Action Plan

MANAGEMENT STRATEGY	ACTION	RESPONSIBLE TEAM	TIME FRAME	PERFORMANCE MEASURES
Time Capsule To preserve the time capsule until 2041 at which time it is to be opened.	<ul style="list-style-type: none"> Ensure no future development proposals cause adverse impacts on the time capsule location. Maintain records regarding the location of the time capsule. 	HSC	O	<ul style="list-style-type: none"> Time capsule is preserved intact until 2041 when it is due to be opened.
Heritage Listed Areas To preserve heritage listed areas within the Park for future generations.	<ul style="list-style-type: none"> Identify natural areas within the Park that are heritage listed. Manage natural heritage listed areas in accordance with this Plan of Management. 	MBB MBB / MPL	ST O	<ul style="list-style-type: none"> Natural areas are identified Areas are managed and preserved in accordance with this Plan of Management.
Monitoring of Management System Plan of Management is reviewed regularly to ensure it is an effective management document.	<ul style="list-style-type: none"> Review Action Plan on a yearly basis and review Policy and Planning after five years. 	HSC	O	<ul style="list-style-type: none"> 80% of objectives of action plan are achieved within the stated time frame.
Circuses, fetes and fairs Circuses, fetes and festivals within the Park comply with council's requirements for certification and insurance	<ul style="list-style-type: none"> Ensure Greenway Park is not allocated for use by circuses using wild and exotic animals. Ensure any circus, fete or festival has the appropriate certification for amusement equipment and insurance as required by council's Risk and Insurance Manager. 	MPL MPL / Risk and Insurance Manager	O O	<ul style="list-style-type: none"> No circuses using wild and exotic animals take place in the Park. Licences for circuses, fetes and fairs are only granted to applicants with appropriate certification and insurance.

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Leases and Licences

Greenway Park Action Plan

MANAGEMENT STRATEGY	ACTION	RESPONSIBLE TEAM	TIME FRAME	PERFORMANCE MEASURES
Leases & Licences Leases and licences are granted in accordance with the requirements of the Local Government Regulation and Act.	<ul style="list-style-type: none"> • Checklist is developed to ensure proposed activities within the Park comply with core objectives of the LGA. • Leases and licences are granted in accordance with the requirements of the Local Government Act and Local Government Amendment (Community Land Management) Regulation 1999. 	MPL / MBB / MCS	O	<ul style="list-style-type: none"> • All activities in the Park comply with the core objectives. • Leases and licences comply with the requirements of the LGA
Use/Sale of Alcohol in Reserves Applications to Council for use/sale of alcohol in public reserves are considered individually.	<ul style="list-style-type: none"> • Amend 'Public Reserves Notice' to permit use / sale of alcohol in public reserves subject to council approval and approval of other relevant bodies. • Council approves / rejects applications for such licences on individual merits. 	MPL	ST	<ul style="list-style-type: none"> • Reserves notice is amended.
	<ul style="list-style-type: none"> • Council approves / rejects applications for such licences on individual merits. 	MPL	O	<ul style="list-style-type: none"> • Applications for use / sale of alcohol in public reserves are considered on individual merits subject to approval of other relevant bodies.

Leases and Licences

Greenway Park Action Plan

MANAGEMENT STRATEGY	ACTION	RESPONSIBLE TEAM	TIME FRAME	PERFORMANCE MEASURES
Leases for communications towers on community land	<ul style="list-style-type: none"> Council is to determine whether provision of communications towers falls into the scope of Section 46(4)(a)(ii) of the Local Government Act. Consider development applications for communications towers as appropriate following determination of the above by council. If appropriate, grant leases in accordance with Section 47 and 47A of the Local Government Act. 	HSC	ST	<ul style="list-style-type: none"> Determination is made by council as to the interpretation of Section 46 (4)(a)(ii) of the Act with regard to the provision of communications towers. Council considers applications in accordance with the council policy. Council grants leases for communications towers as appropriate.
Funds received from use of community land	<ul style="list-style-type: none"> Money derived from use of community land is expended on community land acquisition and community land management requirements in accordance with S.409 of the Local Government Act 1993 	HSC	O	<ul style="list-style-type: none"> Funds derived from community land use are allocated to future community land management and acquisition.

MPL – Manager Parks and Landscape
HSC – Various Council Branches

MBB – Manager Bushland and Biodiversity
MWM – Manager Waste Management

MCS – Manager Community Services
MHP – Manager Health and Protection

LPO – Legal and Properties Officer
MHR – Manager Human Resources

**Resource Management and Funding
Greenway Park Action Plan**

MANAGEMENT STRATEGY	ACTION	RESPONSIBLE TEAM	TIME FRAME	PERFORMANCE MEASURES
Funding Opportunities for funding of projects through grants, sponsorship and volunteers are investigated and pursued.	<ul style="list-style-type: none"> Investigate and pursue grant and other funding. 	MPL	O	<ul style="list-style-type: none"> Opportunities for funding other than council resources are investigated and pursued
Development Costs Recreation and community facilities are to be developed within budgetary constraints.	<ul style="list-style-type: none"> Determine the level of funding required to implement this Plan of Management and develop a program for staging of the works. Include programs for any future improvements in council budget. Investigate and pursue grant and other funding opportunities 	MPL	ST	<ul style="list-style-type: none"> Level of funding required for any future improvements is established. Programs are included in council budgets as required. Opportunities for funding other than council resources are investigated and pursued.
Fees Set and maintain an appropriate level of hire fees for use of facilities.	<ul style="list-style-type: none"> Determine an appropriate level of hire fees annually, and present it for council approval. Council annually adopts an appropriate level of hire fees 	MPL/ MCS HSC	O O	<ul style="list-style-type: none"> Level of fees is determined & adopted by council annually.

Environmental Sustainability

Greenway Park Action Plan MANAGEMENT ACTION STRATEGY

MANAGEMENT STRATEGY	ACTION	RESPONSIBLE TEAM	TIME FRAME	PERFORMANCE MEASURES
Bushland Protection				
Any formalised activities within the natural area will require a lease or licence agreement with council.	Any granting of leases, licences or other estates must be consistent with the core objectives for bushland as set out in the Local Government Amendment (Community Land Management) Regulation 1998.	MBB / LPO proponents	as required O	Any granting of a lease, licence or other estate for activities within the natural area are consistent with the Local Government Amendment (Community Land Management) Regulation 1998.
Consideration is given to regeneration of bushland for any activity proposed for Greenway Park to mitigate the degrading influence on bushland.	Ensure that all activities carried out with consideration of bushland protection and regeneration.	HSC / proponents	O	Activities allowable in the bushland do not impact on the conservation of bushland. Protection of bushland
The Sydney Turpentine Ironbark Forest remnant is to be managed for nature conservation to protect this endangered ecological community.	<ul style="list-style-type: none"> Restrict activities in this area to bushland restoration and low impact scientific and educational uses following full environmental assessment. Primary bush regeneration works should only be undertaken where sufficient follow up weed control and bush regeneration can be guaranteed. Ensure any adjoining facilities consider and mitigate nutrient runoff from entering the bushland areas Encourage and support community involvement in restoration of the bushland within Greenway Park as part of council's volunteer Bushcare programme. 	MBB MBB MBB / MPL MBB	O As funding permits O /As Required O	<ul style="list-style-type: none"> Recreational activities in this area are limited. Bush condition is improved and maintained. The bushland is protected from increased nutrients and increased weed invasion. Bushcare group is established in Greenway Park
MPL – Manager Parks and Landscape HSC – Various Council Branches	MBB – Manager Bushland and Biodiversity MWM – Manager Waste Management	MCS – Manager Community Services MHP – Manager Health and Protection		LPO – Legal and Properties Officer MHR – Manager Human Resources

**Environmental Sustainability
Greenway Park Action Plan**

MANAGEMENT STRATEGY	ACTION	RESPONSIBLE TEAM	TIME FRAME	PERFORMANCE MEASURES
Native and Introduced Fauna Native fauna habitat should be conserved and enhanced wherever feasible.	Maintain habitat and vegetation through a well-planned bush regeneration and habitat enhancement program. Maintain habitat by preventing removal of logs for firewood and the removal of bush rock.	MBB MBB	O O	Protection and enhancement of native fauna habitat.
Consideration is given to native fauna and its habitat for any activity proposed for Greenway Park.	Ensure fauna habitat needs are included with any restoration works within Greenway Park	MBB	O	Protection of fauna habitat
Control of domestic animals.	Encourage pet owners to control domestic cats and dogs through a public education campaign and by impoundment of free roaming dogs.	HSC	LT / O	Responsible pet ownership is evidenced by reduced complaints and reduced impoundment of free roaming dogs.
Fire Management Any fire management within Greenway park should be carried out in conjunction with bush regeneration works.	Any proposals for fire management within Greenway Park are assessed by the Water Catchments Team	MBB / Manager – Fire Control	O	Fire regime is maintained for the health of the bushland.

Environmental Sustainability Greenway Park Action Plan

MANAGEMENT STRATEGY	ACTION	RESPONSIBLE TEAM	TIME FRAME	PERFORMANCE MEASURES
Recreation and Access Access should be restricted to uses that will have minimal impact on the reserve's ecology.	<ul style="list-style-type: none"> Limit recreational activities in the natural area to passive recreational pursuits such as bushwalking, following full environmental assessment. Monitor recreational and educational uses of the reserve and their impact. Investigate the possibility of an alternative area for bike riding activities. 	MBB	O	<ul style="list-style-type: none"> Recreational activities in this area do not adversely impact the bushland.
	Use of informal trails through the natural area is to be discouraged wherever possible.	MPL	MT	<ul style="list-style-type: none"> An alternative area is designated for bike riding activities
	Any proposal for track use, works or construction in the natural area will consider impacts on bushland.	Unnecessary informal trails including the bike tracks, through the natural area are to be closed, stabilised and revegetated using locally indigenous plant material.	MBB	LT
Any proposal for track use, works or construction in the natural area will consider impacts on bushland.	Any proposal for use and works regarding existing trails or construction of new trails in the natural area will be subject to full environmental assessment.	MBB	As required	Proposals for track works or construction in the natural area are subject to stringent environmental assessment.

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Environmental Sustainability Greenway Park Action Plan

MANAGEMENT STRATEGY	ACTION	RESPONSIBLE TEAM	TIME FRAME	PERFORMANCE MEASURES
<p>Boundaries and Neighbourhoods</p> <p>The mitigation of negative impacts from neighbouring properties is essential to the long-term conservation of Greenway Park.</p>	<ul style="list-style-type: none"> Encourage adjoining landholders to reduce any impacts such as illegal vegetation dumping and predation by domestic animals, and encourage involvement in council's volunteer Bushcare Program. Encourage neighbours to create or maintain buffer zones of indigenous vegetation on private land adjoining the reserve. Council will pursue the removal of private encroachments onto the reserve and require the restoration and regeneration of these areas. 	<p>MBB / neighbouring landholders</p> <p>MBB / neighbouring landholders</p> <p>MBB</p>	<p>O</p> <p>O</p> <p>O</p>	<ul style="list-style-type: none"> Landscaped areas maintained. Protection of natural bushland areas. Creation and maintenance of buffer zones which assist in protecting the reserve. Reduction in encroachments.
<p>The boundary of the natural area should be well-defined to minimise the impact of any negative external influences.</p>	<p>Investigate methods for clearly defining the natural area such as signage, log barriers or fencing</p>	<p>MBB / neighbouring landholders</p>	<p>LT</p>	<p>Natural area is well-defined.</p>
<p>Bush regeneration and restoration</p> <p>Indigenous species should be used to rehabilitate degraded areas.</p> <p>Landscaped areas should be well-maintained to prevent weed propagules entering bushland areas.</p>	<p>Revegetation and landscaping works within the Greenway Park site should be composed of locally occurring indigenous plants.</p> <ul style="list-style-type: none"> Maintain landscaped and oval areas to assist in protecting bushland from additional weed invasion. 	<p>MBB / MPL</p> <p>MPL</p>	<p>O</p> <p>O</p>	<p>Locally indigenous plant material is utilised in all rehabilitation and landscaping works.</p> <ul style="list-style-type: none"> Landscaped areas maintained. Protection of natural bushland areas

Environmental Sustainability Greenway Park Action Plan

MANAGEMENT STRATEGY	ACTION	RESPONSIBLE TEAM	TIME FRAME	PERFORMANCE MEASURES
Areas affected by weed invasion within Greenway Park are to be rehabilitated using appropriate bush regeneration techniques.	<ul style="list-style-type: none"> A restoration and regeneration programme is to be implemented in areas affected by weed invasion. Encourage and support community involvement in restoration of the bushland within Greenway Park as part of council's volunteer Bushcare Programme. 	MBB	As funding permits	<ul style="list-style-type: none"> Bushland condition is improved and maintained.
	Seek funding from State and Federal Government sources for restoration of bushland within Greenway Park.	MBB and community groups	O	<ul style="list-style-type: none"> Bushcare Group established in Greenway Park
		MBB and community groups	MT	Opportunities for grant funding are followed up.
Reclamation of Grass areas for bushland				
Surplus grassed areas within Parks be reclaimed for planting of indigenous vegetation to promote ecological sustainability and bio-diversity.	<ul style="list-style-type: none"> Identify grassed areas within parks surplus to the needs of active and passive recreation. Plant areas with indigenous vegetation or hold community planting days where appropriate. 	MPL	O	<ul style="list-style-type: none"> Surplus areas within parks are identified.
		MPL	O	<ul style="list-style-type: none"> Surplus areas are planted with indigenous vegetation
MPL – Manager Parks and Landscape HSC – Various Council Branches	MBB – Manager Bushland and Biodiversity MWM – Manager Waste Management	MCS – Manager Community Services MHP – Manager Health and Protection		LPO – Legal and Properties Officer MHR – Manager Human Resources

Community Centre Management

Greenway Park Action Plan

MANAGEMENT STRATEGY	ACTION	RESPONSIBLE TEAM	TIME FRAME	PERFORMANCE MEASURES
Centre will be available for use by the community at an acceptable standard.	<ul style="list-style-type: none"> Cherrybrook Community Centre Association will ensure that the Hall and equipment are inspected on a regular basis. 	Cherrybrook Community Centre Association (CCCA)	O	<ul style="list-style-type: none"> Clearance at bi-annual inspections by council.
The Centre is available for use by all sections of the community.	<ul style="list-style-type: none"> Hiring policies of the Centre are inclusive. Removal of barriers to access by people with disabilities. 	CCCA / HSC	O	<ul style="list-style-type: none"> No restrictive clauses in hiring conditions. Centre and amenities are wheel chair accessible.
Fees charged are fair and reasonable.	<ul style="list-style-type: none"> Fees charged by CCCA for use of the Centre are equivalent to those charged for similar facilities. 	CCCA / MCS	O	<ul style="list-style-type: none"> Fees are submitted for review and approved by council each year.
Centre is maintained at legally prescribed safety standards.	<ul style="list-style-type: none"> Periodic review and inspection by CCCA 	CCCA / Risk and Insurance Manager	O	<ul style="list-style-type: none"> Risk and safety audit completed successfully at annual intervals.
No profits shall be made from the operation of the Centre.	<ul style="list-style-type: none"> Income and expenditure reviewed on a regular basis by CCCA and Accounts forwarded to Finance Branch. 	CCCA / Finance Branch	O	<ul style="list-style-type: none"> Audit of Income and Expenditure.

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APPENDIX 1

HORNSBY SHIRE HERITAGE STUDY Prepared by Perumal Murphy Wu Pty Ltd for Hornsby Shire Council and the NSW Department of Planning			Reference No L328
Present Name Greenway Park		Date Inspected 29.4.93 Survey By WA	
Location: Town/Suburb Shepherds Drive CHERRYBROOK Postcode 2126 Locality Real Description		Category Sub Category	
Present Owner: Town/Suburb Postcode		Site Area Existing Zoning	
Evaluation Criteria: Historic Rare <input type="checkbox"/> Associative <input type="checkbox"/> Representative <input type="checkbox"/> Aesthetic Rare <input type="checkbox"/> Associative <input type="checkbox"/> Representative <input checked="" type="checkbox"/> Social Rare <input type="checkbox"/> Associative <input type="checkbox"/> Representative <input type="checkbox"/> Scientific Rare <input type="checkbox"/> Associative <input type="checkbox"/> Representative <input checked="" type="checkbox"/> Other Rare <input type="checkbox"/> Associative <input type="checkbox"/> Representative <input type="checkbox"/>			Date

Significance: Important area of regrowth indigenous forest on edge of park notable in local landscape and as natural element in streetscape. Of local significance.

Location Plan



Physical Characteristics:

Description: Large park with playing fields and sports complex conserving mature and semi-mature stand of indigenous Stringybark, Grey Ironbark, Bluegum, Smooth Bark Angophora and Forest Sheoak to c25m high. Considerable weed such as privet requires removal and bush regeneration but area is not large.

Historical Period:

	Built	Used
Pre 1800	<input type="checkbox"/>	<input type="checkbox"/>
1800 - 1825	<input type="checkbox"/>	<input type="checkbox"/>
1826 - 1850	<input type="checkbox"/>	<input type="checkbox"/>
1851 - 1875	<input type="checkbox"/>	<input type="checkbox"/>
1876 - 1900	<input type="checkbox"/>	<input type="checkbox"/>
1901 - 1925	<input type="checkbox"/>	<input type="checkbox"/>
1926 - 1950	<input type="checkbox"/>	<input type="checkbox"/>
1951 - 1975	<input type="checkbox"/>	<input type="checkbox"/>
Post 1975	<input type="checkbox"/>	<input type="checkbox"/>

Heritage Listings:

- Register of the National Estate (AHC) - Registered
- Register of the National Estate of Aust (AHC) - Interim
- Register of the National Trust (NSW)
- Register of Significant Twentieth Cent. Architecture (RAIA)
- Department of Public Works Heritage and Cons. Register
- Heritage Council Register - Permanent Cons. Order
- Heritage Council Register - Interim Cons. Order
- Heritage Council Register - Section 130 Order
- Heritage Council Register - Nomination
- NSW Govt Dept Heritage Register (S.170 Heritage Act)
- NP&WS Historic Sites Register
- NP&WS Aboriginal Sites Register (Contact Sites)
- Institution of Engineers (NSW) Heritage Register
- Existing Heritage Study
- Regional Environmental Plan Heritage Schedule
- Local Environmental Plan Heritage Schedule
- Other

Historical Themes:

SHIP

Local

Sources

APPENDIX 2

More detailed information sheets on each of the reduce, retain and remove strategies are being developed by the Hawkesbury Nepean Catchment Management Trust in consultation with our sportsturf experts.

The most effective way to address the impact of nutrients from your sportsturf facilities, is through an Environmental Management Program.

Environmental Management Program

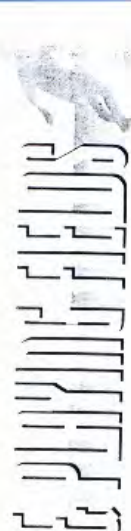
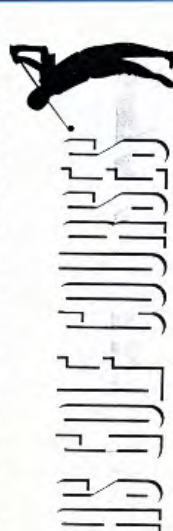
This type of program must include:

- The management plan to provide objective standards, time schedules and technical details
- A management system to organise staff responsibilities, training and effective communication
- Review and monitoring process to determine the progress of the programs so that the necessary adjustments can be made

A framework for an Environmental Management Program is also being developed by the Trust and supporting agencies.

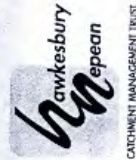
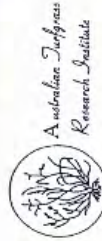
Our communities are demanding more effective environmental control from all of our facilities. In a lot of areas, sportsturf managers have been leading the way in terms of nutrient management and control. Through this Information Program for sportsturf operators we hope to maintain that position of prominence.

For further information call
 Hawkesbury Nepean Catchment Management Trust
 (045) 774 243



UTS

University of Technology, Sydney



Sportsturf

Parklands, playing fields and golf courses are features of the modern urban landscape.

Well designed and well managed, these areas of sportsturf can have significant environmental benefits including the preservation of open space in cities and the conservation of native flora and fauna.

Applying the principles of planned catchment management to these areas (i.e. trying to ensure the water which flows off the sportsturf site is as healthy as the water which flows into it, can also enhance water quality.

Poor design and management can generate problems and neglect opportunities which, in turn, raises costs and causes environmental damage.

This leaflet will be supported by a series of information sheets to be developed by specialists in the field of sportsturf management. Their purpose is to encourage good design and best management practice.

The leaflets and other information activities are being developed by leading practitioners in the field of sportsturf management under the direction of the Hawkesbury Nepean Catchment Management Trust and with the support of professional associations.

They are being developed to help reduce the amount of nutrient flowing from your sportsturf facility and into local waterways.

The Hawkesbury Nepean Catchment Management Trust was established by the NSW Government to bring people together to establish ways to better protect the whole of the Hawkesbury Nepean Catchment. This information has been circulated in the catchment and beyond in order to protect all of our waterways.

What's the Problem?

There is simply too much nutrient like phosphorus, entering our waterways. Too much nutrient can lead to excessive weed growth and algal blooms, even toxic blue green algae blooms. It is up to all of us to do what we can to reduce the amount of nutrient flowing into our rivers, creeks, lakes, lagoons and streams.

Nutrient reduction programs like this one are being put in place all over NSW. They encourage builders, farmers, school students and turf growers to help reduce the amount of nutrient flowing into our lakes and waterways.

What's Causing the Problem?

Nutrient sources include:

- fertilisers of all types including organics which can be transported from sportsturf and surface runoff, leached through the soil profile or escape from stockpiles, loading and equipment washdown areas or spill sites
- soil itself through the erosion of phosphorus rich soil particles
- grass clippings washing into adjacent waterways

What's the Solution?

Obviously we need to minimise the movement of nutrients out of our sportsturf system. Through this we can make significant cost savings as well as maintaining environmental standards. The three R's of nutrient management on sportsturf facilities are:

- **Reduce**
- **Retain, and**
- **Remove nutrients**

Best Management Practices

Some simple things we can all do to achieve the three R's of nutrient removal include:

1. **Reduce**
 - Select turf with lower fertiliser and irrigation requirements
 - Increase areas of rough or maintain more naturally vegetated areas
 - Plan a fertiliser program
 - Limit fertiliser to key heavy duty areas
 - Use the absolute minimum quantity of fertiliser required
 - Use low or no phosphate fertilisers where possible
 - Optimise all non fertiliser turf growth

2. Retain Nutrients in the Soil where they are useful

Some activities you may consider include:

- Time fertiliser applications carefully
- Cleanup fertiliser spills promptly
- Thoughtfully dispose of nutrient rich waste materials
- Prevent soil erosion

3. Remove Nutrients before they escape to adjacent Waterbodies

Some activities include:

- Contour drain the facility if possible so all on site runoff is retained on the site in dams and recycled through irrigation
- Construct sedimentation ponds to proven designs
- Develop a maintenance program for ponds and wetlands to ensure continuous optimum function

These are just some examples of best management practice.

APPENDIX 3

**Extract from the
Local Government (General) Amendment (Community Land Management) Regulation 1999
Regarding Leasing and Licensing of Community Land**

6JF Leases, licences and other estates in respect of community land

- (1) For the purposes of section 46 (1) (b) (iii) of the Act, the use or occupation of community land for the following events is prescribed as a purpose in respect of which a council may grant a licence in respect of community land on a short-term casual basis:
 - (a) the playing of a musical instrument, or singing, for fee or reward.
 - (b) engaging in a trade or business,
 - (c) delivering a public address,
 - (d) commercial photographic sessions,
 - (e) picnics and private celebrations such as weddings and family gatherings,
 - (f) filming for cinema or television,
 - (g) the agistment of stock
- (2) However, the use or occupation of community land for events listed in subclause (1) is prescribed only if the use or occupation does not involve the erection of any building or structure of a permanent nature.

6JG Exemptions from section 47A (Leases, licences and other estates in respect of community land - terms of 5 years or less)

- (1) Leases, licenses and other estates granted for the following purposes are exempt from the provisions of section 47A of the Act:
 - (a) residential purposes, where the relevant community land has been developed for the purposes of housing owned by the council,
 - (b) the provision of pipes, conduits or other connections under the surface of the ground for the connection of premises adjoining the community land to a facility of the council or other public utility provider that is situated on the community land,
 - (c) use and occupation of the community land for events such as:
 - (i) a public performance (that is, a theatrical, musical or other entertainment for the amusement of the public),
 - (ii) the playing of a musical instrument, or singing for fee or reward,
 - (iii) engaging in a trade or business,
 - (iv) playing of any lawful game or sport,
 - (v) delivering a public address,
 - (vi) conducting a commercial photographic session,
 - (vii) picnics and private celebrations such as weddings and family gatherings,
 - (viii) filming for cinema or television.
- 2) However, the use or occupation of community land for the events listed in subclause (1) (c) is exempt only if:
 - (a) The use or occupation does not involve the erection of any building or structure of a permanent nature, and
 - (b) In the case of any use or occupation that occurs only once, it does not continue for more than 3 consecutive days, and
 - (c) In the case of any use or occupation that occurs more than once, each occurrence is for no more than 3 consecutive days, not including Saturday and Sunday, and the period from the first occurrence until the last occurrence is not more than 12 months.

APPENDIX 4

HORNSBY SHIRE COUNCIL

PUBLIC RESERVES NOTICE

This is your park. The Park is for the use, enjoyment and education of the public. We should all encourage activities that do not damage flora and fauna and the environment generally or disturb the enjoyment of others.

The use of this park is regulated by the Local Government Act 1993, the Summary Offences Act 1988 and other related Acts.

The following activities are not permitted under any circumstances:

- carrying of firearms (except by Police Officers) or archery equipment;
- depositing or bringing into the park any soil, garden refuse, lawn clippings, animal manure, household garbage, syringes or any other garbage;
- allowing dogs within ten metres of playground equipment, picnic table or barbecue;
- behaving in a disorderly or offensive manner;
- breaking glass of any kind;
- entering or remaining in the park in an intoxicated state;
- consuming alcohol in the Park while junior games are in progress;
- consuming alcohol within 10 metres of children's play areas
- operation of motorised model aeroplanes;
- the playing or practising of golf;
- camping or staying overnight;
- any activity likely to injure, endanger *or* obstruct, inconvenience or annoy any person.

The following activities may be permitted BUT ONLY WITH Council consent:

Public meetings, musical or other performances, the use of amplifiers or sound equipment, any organised sport, entry of any motor vehicle, motor cycle or bicycle except on any designated roads or parking areas, entry or exercising of any animal (except dogs physically held in control at all times or within the dog leash free area), *the taking of alcoholic beverages into the park and the consumption of alcohol in the park*, engaging in a trade or business, bush regeneration, destroying, damaging, picking, removing or interfering with any soil, stone, bushland, tree, shrub, grass, flower or other plant, or any native fauna, or any fence, seat, gate, picnic shelter, or other property of council.

General

Fires are not to be lit except in fireplaces constructed by council for that purpose, in any event, not on a day of total fire ban.

When walking through the park please keep to designated tracks.

Dog droppings must be wrapped in a plastic bag and deposited in garbage receptacles. Please place food and drink scraps, containers or other refuse only in rubbish bins provided.

A penalty of up to \$600 applies for failure to observe the above regulations. On the spot fines may be issued.

Council's policy is to prosecute under the Summary Offences Act 1988 and other related Acts for offences such as offensive behaviour and the consumption of alcohol by a person under 18 years of age.

Respect the other users of the park. Help preserve flora and fauna. Enjoy your visit.

By Order Of The council

APPENDIX 5

Opinion of Probable Costs for Future Development Proposals

Proposal (supply and install)	Cost Estimate
Lighting of tennis / netball courts to allow for night use	\$25 000
Complete drainage works on Field No.2	\$30 000
Installation of an automatic watering system to Field No.2	\$30 000
Upgrade of existing lighting on playing field No.1	\$20 000
Additional parking to cater for users of existing and proposed recreation facilities.	\$20 000 / space
Construction of 2 picnic shelters including a barbecue facility	\$20 000

Note: This provides a guide only. Detailed cost estimates would be prepared at the detailed design stage and would depend on construction techniques and final location of facilities within the Park.

APPENDIX 6

PLAYGROUND COMPONENTS

Ausplay Playdium Unit includes:

- various decks
- spiral slide
- half spiral slide
- small slide
- honeycomb climber
- corkscrew climber
- fireman's pole
- steps
- abacus panel
- wheel panel

Ausplay Kidspace Unit includes:

- deck with roof
- abacus panel
- small honeycomb climber

APPENDIX 7

MINOR COUNCIL WORKS

The Hornsby Shire Local Environmental Plan 1994 permits council to undertake the following minor works without obtaining development consent:

- (a) *construction or maintenance of stormwater drainage, water quality treatment devices, water tanks, recreation areas, public amenities, temporary storage facilities;*
- (b) *installation or maintenance of street furniture, such as seats, council information signs, street signs, street lights, bus shelters, garbage and recycling containers and bins, bollards, flag poles, telephone kiosks and the like, but not fixed outdoor vending machines;*
- (c) *construction and maintenance of roads, footpaths, cycleways, parking areas, fire trails, walking tracks and other public pedestrian areas, roads, including tree planting and repaving, street surfacing, reconstruction of kerbs, gutters and the like;*
- (d) *installation or maintenance of park furniture including seats, picnic tables, barbecue units and shelters, awnings and shade structures, gazebos and pergolas, bollards, playground equipment, flag poles, bridges, staircases, boardwalks, lighting (excluding ovals, tennis courts and the like), council information signs;*
- (e) *installation and maintenance of goal posts, sight screens, fencing and similar ancillary sporting structures on sporting or playing fields for use in the playing/performance of sporting events (excluding grandstands, dressing sheds and other structures);*
- (f) *installation and maintenance of temporary structures for special events, including marquees, booth toilets, stages, tents, scaffolds and the like;*
- (g) *bush fire hazard reduction carried out in accordance with a bush fire management plan under the Rural Fires Act, 1997;*
- (h) *bush regeneration, landscaping, gardening, tree planting, tree maintenance, tree removal.*

The proposals are assessed under Part V of the Environmental Planning and Assessment Act, 1979.

Council is required to notify and exhibit minor work proposals. The Hornsby Shire Local Environmental Plan 1994 requires that:

Council invite community comment and exhibit the review of environmental factors prepared for the proposed minor work. The exhibition of the proposal is not required if the council is of the opinion that the minor work is insignificant. Where the council considers the issues raised in a submission warrant the amendment of the proposal, it may amend the proposal.

The Notification Protocol on the following page details the circumstances and procedures for the notification and exhibition of minor work proposals.

MINOR WORKS - NOTIFICATION ELEMENT

Objective of element

To enable community notification and participation in council's minor works proposals, which do not require development consent

Performance criteria

Residents and land owners should be advised of council's minor works proposals which could potentially affect the residents or property.

The notification should encourage public participation and provide sufficient opportunity for input prior to the commencement of the minor work.

Prescriptive Measures

Residents or property owners should be notified of the following works:

- * the installation or maintenance of stormwater drainage lines, on private property or in road reserves in front of residential properties;
- * the construction or re-surfacing of roads on road reserves in front of residential properties;
- * the construction of new fire trails, footpaths, bicycle paths and the like, in proximity to residential properties;
- * the installation of new street and park furniture;
- * the erection of new grandstands, dressing sheds and other structures at parks and ovals;
- * bush fire hazard reduction (as required by the *Rural Fires Act 1997*);
- the removal of trees listed as heritage items in Schedule D of the *Hornsby Shire Local Environmental Plan 1994* or which are assessed as significant;

Residents or property owners are not required to be notified in the following circumstances:

- * the proposal has been previously exhibited for community comment as part of Plans of Management or works programs;
- * the maintenance of street and park furniture in public places and road reserves;
- * the installation or maintenance of sporting structures (excluding the erection of new grandstands, dressing sheds and other structures) at public ovals and parks;
- * the installation of temporary structures on public land, if in accordance with the Plan of Management for the land;

- * road maintenance works, drainage works or tree removal works which need to be undertaken urgently to maintain public health and safety;
- * minor road maintenance works (such as the repair of potholes);
- bush regeneration, landscaping, gardening, tree planting, tree maintenance or tree removal (except trees listed as heritage items in Schedule D of the *Hornsby Shire Local Environmental Plan 1994* or which are assessed as significant);

The notification shall be in the form of a letter (either posted or delivered) to the owner or resident advising of the proposed work, when it will commence and the construction period. It should also provide the opportunity to inspect any documentation.

The notification should provide for a minimum period of 14 days for the inspection of documentation and submission of resident's comments.

The council may amend the minor work proposal on the basis of the submissions.

If the commencement of minor works is delayed by poor weather or other circumstances, the proposal is not required to be re-notified. Any residents directly affected by a delayed proposal should be given 2 days notice prior to the commencement of works.

Review of Environmental Factors
(REF)

Part V Assessment

HORNSBY SHIRE COUNCIL

Prepared by the Water Catchments Team

Review of Environmental Factors (REF)

An REF is a document which identifies and evaluates the impacts of an activity to decide if the impacts are likely to significantly affect the environment. If the impacts are considered to be significant, then an Environmental Impact Statement (EIS) must be prepared and considered prior to a determining authority deciding if an activity is likely to proceed. An REF assists council in fulfilling its obligations under s.111 of the Environmental Planning and Assessment (EP&A) Act 1979.

An REF is designed to provide enough information to make an informed decision as to the likely significance of the impact of the activity on the environment (including critical habitat or threatened species, populations or ecological communities, or their habitats). REFs that relate to an issue that is controversial or will significantly affect the public may be placed on public exhibition. The proponent of the activity is responsible for completing the REF.

Part 5 Environmental Planning and Assessment Act 1979 - Duty to consider environmental impact.

110 Definitions

(1) In this Part:

activity means:

- (a) the use of land, and
- (b) the subdivision of land, and
- (c) the erection of a building, and
- (d) the carrying out of a work, and
- (e) the demolition of a building or work, and
- (f) any other act, matter or thing referred to in [section 26](#) that is prescribed by the regulations for the purposes of this definition,

but does not include:

- (f) any act, matter or thing for which development consent under [Part 4](#) is required or has been obtained, or
- (g) any act matter or thing that is prohibited under an environmental planning instrument, or
- (h) exempt development, or
- (i) development carried out in compliance with an order under Division 2A
- (j) of [Part 6](#), or
- (k) any development of a class or description that is prescribed by the
- (l) regulations for the purposes of this definition.

approval includes:

- (a) a consent, licence or permission or any form of authorisation, and
- (b) a provision of financial accommodation by a determining authority to another person, not being a provision of such financial accommodation, or financial accommodation of such class or description, as may be prescribed for the purposes of this definition by a determining authority so prescribed.

determining authority means a Minister or public authority and, in relation to any activity, means the Minister or public authority by or on whose behalf the activity is or is to be carried out or any Minister or public authority whose approval is required in order to enable the activity to be carried out.

nominated determining authority, in relation to an activity, means the determining authority nominated by the Minister in accordance with [section 110A](#) in relation to the activity.

proponent, in relation to an activity, means the person proposing to carry out the activity, and includes any person taken to be the proponent of the activity by virtue of [section 110B](#).

Section 111 - Duty to consider environmental impact

(1) For the purpose of attaining the objects of [this Act](#) relating to the protection and enhancement of the environment, a determining authority in its consideration of an activity shall, notwithstanding any other provisions of [this Act](#) or the provisions of any other Act or of any instrument made under this or any other Act, examine and take into account to the fullest extent possible all matters affecting or likely to affect the environment by reason of that activity.

(2) Without limiting subsection (1), a determining authority shall consider the effect of an activity on:

- (a) any conservation agreement entered into under the [National Parks and Wildlife Act 1974](#) and applying to the whole or part of the land to which the activity relates, and
- (b) any plan of management adopted under that Act for the conservation area to which the agreement relates, and
- (c) any joint management agreement entered into under the [Threatened Species Conservation Act 1995](#).

(3) Without limiting subsection (1), a determining authority shall consider the effect of an activity on any wilderness area (within the meaning of the [Wilderness Act 1987](#)) in the locality in which the activity is intended to be carried on.

- (4) Without limiting subsection (1), a determining authority must consider the effect of an activity on:
- (a) critical habitat, and
 - (b) in the case of threatened species, populations and ecological communities, and their habitats, whether there is likely to be a significant effect on those species, populations or ecological communities, or those habitats, and
 - (c) any other protected fauna or protected native plants within the meaning of the [National Parks and Wildlife Act 1974](#). Division 3 Activities for which EIS required

EP&A Regulations

82 What factors must be taken into account concerning the impact of an activity on the environment?

(1) For the purposes of Part 5 of [the Act](#), the factors to be taken into account when consideration is being given to the likely impact of an activity on the environment include:

- (a) for activities of a kind for which specific guidelines are in force under this clause, the factors referred to in those guidelines, or
- (b) for any other kind of activity:
 - (i) the factors referred to in the general guidelines in force under this clause, or
 - (ii) if no such guidelines are in force, the factors referred to subclause (2).

(2) The factors referred to in subclause (1) (b) (ii) are as follows:

- (a) any environmental impact on a community,
- (b) any transformation of a locality,
- (c) any environmental impact on the ecosystems of the locality,
- (d) any reduction of the aesthetic, recreational, scientific or other environmental quality or value of a locality,
- (e) any effect on a locality, place or building having aesthetic, anthropological, archaeological, architectural, cultural, historical, scientific or social significance or other special value for present or future generations,
- (f) any impact on the habitat of protected fauna (within the meaning of the [National Parks and Wildlife Act 1974](#)),
- (g) any endangering of any species of animal, plant or other form of life, whether living on land, in water or in the air,
- (h) any long-term effects on the environment,
- (i) any degradation of the quality of the environment,
- (j) any risk to the safety of the environment,
- (k) any reduction in the range of beneficial uses of the environment,
- (l) any pollution of the environment,
- (m) any environmental problems associated with the disposal of waste,
- (n) any increased demands on resources (natural or otherwise) that are, or are likely to become, in short supply,
- (o) any cumulative environmental effect with other existing or likely future activities.

(3) For the purposes of this clause, the Director may establish guidelines for the factors to be taken into account when consideration is being given to the likely impact of an activity on the environment, in relation to activities generally or in relation to any particular kind of activity.

(4) The Director may vary or revoke any guidelines in force under this clause.

This assessment fulfils the requirements of Clause 82 of the EP&A Regulation.

What is involved in an REF / PART V ASSESSMENT?

The REF should address the key issues as fully as practicable. However the level of analysis should reflect the level of significance of the impacts and their importance for the proposal. Lesser attention should be given to those issues, which have a lesser significance. Some issues may not be applicable and do not need to be addressed.

* This REF pro-forma has been adapted from the National Parks and Wildlife Service *Environmental Planning and Assessment Manual* (March 1998) and the Part V pro-forma from council's Works Division.

The following headings are a guide to what should be addressed in a REF. Any other relevant information may be added.

****Note: Not all subsections will need to be addressed for every proposal, do not include sections that are not appropriate.**

Tick the box – Yes or No. If you tick yes and the section does apply to the proposed activity fill it out in as much detail as possible.

1. TITLE OF PROPOSAL

1.1) Proponent

2. PLANNING

2.1) Location, Name of Reserve (if appropriate)

2.2) Type of Activity

2.3) Zoning

Land use:

HSLEP Zone:

2.4) Permissibility

Can the use be assessed under Part 5 of the EP&A Act?

1.	Is it listed as a Minor council Work in clause 6(3) of the HSLEP?	Yes / No	If Yes Part 5, if No go to 2
2.	Is it listed as not requiring consent in the landuse table for the zone?	Yes / No	If Yes Part 5, if No go to 3
3.	It is listed in Schedule A of the HSLEP?	Yes / No	If Yes Part 5, if No go to 4
4.	Does the site contain a Heritage Item (listed in Schedule D of the HSLEP)?	Yes / No	If Yes refer to Heritage Officer as development consent or a Heritage Assessment may be required.
5.	Is the site located within the vicinity of a heritage item?		If Yes refer to Heritage Officer as development consent or a Heritage Assessment may be required.
6.	Is the site located within a Heritage Conservation Area (listed in Schedule E of the HSLEP)?	Yes / No	If Yes refer to Heritage Officer as development consent or a Heritage Assessment may be required.
7.	Is the site within a Bushland Protection area on the HSLEP zoning maps (cl.19)?	Yes / No	If Yes development consent maybe required.
8.	Is the site below Mean High Water Mark?	Yes / No	If Yes development consent maybe required.
9.	Consent is <u>not</u> required by SREP No.20: - not in an area of regional or State scenic significance - not within 40m of the Hawkesbury River, Berowra Ck, Cowan Ck - not in a wetland - not a development listed as requiring consent	Yes / No Yes / No Yes / No Yes / No	If Yes Part 5, if No proposal may require consent under Part 4

Fill in this section with as much information about the activity as necessary

3. THE ACTIVITY

3.1) Description of the activity / Methods of construction

3.2) Objectives of the activity and justification

3.3) Major elements including any environmental impact mitigation measures

3.4) Other developments associated with the activity eg. infrastructure, services

3.5) Future implications of the activity / cumulative impact

3.6) Time Frame / Hours of operation

4. ALTERNATIVE PROPOSALS

4.1) Alternative proposals considered / Assessment of alternative proposals eg. alternative locations, alternative technologies

4.2) Justification of preferred option

4.3) Consequences of not carrying out the activity

5. THE EXISTING ENVIRONMENT

Describe the exiting environment prior to the proposed activity occurring

5.1) Site description /Current Landuse

5.2) National/State/Regional/Local Conservation significance	YES	NO
Does the site have conservation significance or impact on an Area of conservation significance?	<input type="checkbox"/>	<input type="checkbox"/>

5.3) The Natural Environment	YES	NO
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5.3.3) Geology, geomorphology and geological sites	<input type="checkbox"/>	<input type="checkbox"/>
Is the site geology a significant factor?		

5.3.4) Soil type(s)	<input type="checkbox"/>	<input type="checkbox"/>
What is the soil type/is it a significant factor in the activity?		

5.3.5) Plants (including presence of ROTAPS, threatened species/ populations communities/ habitats. <i>See also sections 6.5 to 6.8</i>)	<input type="checkbox"/>	<input type="checkbox"/>
What is the vegetation present and will the proposal disturb vegetation?		

Are there any threatened species/populations/communities/critical habitats/ species/vegetation of conservation significance?	ROTAN	species	or
	<input type="checkbox"/>	<input type="checkbox"/>	

5.3.6) Animals (including presence of threatened species/ populations/ communities/ habitats)	<input type="checkbox"/>	<input type="checkbox"/>
What are the fauna species present and will the proposal disturb fauna habitat?		

Are there any threatened fauna species/populations/communities/critical habitats or fauna species of conservation significance?	<input type="checkbox"/>	<input type="checkbox"/>
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5.3.7) Water Catchments/Water quality	<input type="checkbox"/>	<input type="checkbox"/>
Is there any water quality or catchment issues to consider on the site?		

5.3.8) Exotic Species - presence and extent	<input type="checkbox"/>	<input type="checkbox"/>
Are there any weeds or feral animals on the site? If so what?		

5.3.9) Fire - history, hazards	<input type="checkbox"/>	<input type="checkbox"/>
Is there any fire history or hazards applicable for the site?		

5.3.10) Areas sensitive because of physical / biological factors	<input type="checkbox"/>	<input type="checkbox"/>
Are there any sensitive features of the site which requires consideration?		

5.3.11) Land contamination	<input type="checkbox"/>	<input type="checkbox"/>
Is the site affected by land contamination?		

5.3.12) Other(specify any other environmental factor)	<input type="checkbox"/>	<input type="checkbox"/>
Are there any other features or considerations present on the site?		

5.4) The Cultural Environment

YES NO

5.4.1) Known and potential Aboriginal Sites / Places of cultural significance to Aboriginal community
Are there any Aboriginal heritage considerations?

5.4.2) Known and potential historic places or relics
Are there any European heritage considerations?

5.4.3) Collective values of landscape
Are there any cultural or historic features of the landscape?

5.4.4) Description of built environment
What is the built environment /are there any considerations necessary?

5.4.5) Other (specify any other cultural factor)

5.5) The Social Environment - current usage and impacts

5.5.1) Recreation
Are there currently recreational aspects to consider?

5.5.2) Scenic / Visual
Are there currently recreational aspects to consider?

5.5.3) Education
Are there any current educational uses to consider?

5.5.4) Scientific Sites
Are there currently scientific uses on the site to consider?

5.5.6) Other (specify)
Are there any other social uses on the site to consider?

6. ENVIRONMENTAL IMPACTS of the proposed activity

Answer Yes or No indicating if the proposed activity will have an impact on the environment. If the answer is yes, qualify the level of impact and add information on the type and extent of the impact. Indicate if the impact will be beneficial or harmful to the environment
Include whether the impact will be temporary, long term, or cumulative in nature.

Physical or pollution impacts

YES NO

6.1) Air Impacts

6.1.1) air quality
If Yes, Will that impact be High Medium Low

6.1.2) greenhouse or ozone considerations
If Yes, Will that impact be High Medium Low

6.1.3) any other air impacts
If Yes, Will that impact be High Medium Low

6.2) Water impacts

6.2.1) impacts from changes in surface or groundwater quality
If Yes, Will that impact be High Medium Low

6.2.2) impacts from use of water
If Yes, Will that impact be High Medium Low

6.2.3)	impacts from changes to natural water bodies, wetlands or runoff patterns				<input type="checkbox"/>	<input type="checkbox"/>
	If Yes, Will that impact be	High <input type="checkbox"/>	Medium <input type="checkbox"/>	Low <input type="checkbox"/>		
6.2.4)	impacts from changes to flooding or tidal regimes				<input type="checkbox"/>	<input type="checkbox"/>
	If Yes, Will that impact be	High <input type="checkbox"/>	Medium <input type="checkbox"/>	Low <input type="checkbox"/>		
6.2.5)	impacts from changes in water quality with economic, health, ecosystem or amenity considerations eg salinity, colour, odour, turbidity, temperature, dissolved oxygen, nutrients, pH factors or pollutants (intentional or unintentional releases of oil, fuels, toxins - including heavy metals and anti-foulants, spoil, sediment, sewage or other waste)				<input type="checkbox"/>	<input type="checkbox"/>
	If Yes, Will that impact be	High <input type="checkbox"/>	Medium <input type="checkbox"/>	Low <input type="checkbox"/>		
6.2.6)	impacts from waste water generation and sewage services				<input type="checkbox"/>	<input type="checkbox"/>
	If Yes, Will that impact be	High <input type="checkbox"/>	Medium <input type="checkbox"/>	Low <input type="checkbox"/>		
6.2.7)	other; Are there any other possible impacts to water as a result of the activity?				<input type="checkbox"/>	<input type="checkbox"/>
	If Yes, Will that impact be	High <input type="checkbox"/>	Medium <input type="checkbox"/>	Low <input type="checkbox"/>		
6.3) Soil and stability impacts						
6.3.1)	degradation of soil quality including contamination (intentional or unintentional)				<input type="checkbox"/>	<input type="checkbox"/>
	If Yes, Will that impact be	High <input type="checkbox"/>	Medium <input type="checkbox"/>	Low <input type="checkbox"/>		
6.3.2)	salinisation, acidification				<input type="checkbox"/>	<input type="checkbox"/>
	If Yes, Will that impact be	High <input type="checkbox"/>	Medium <input type="checkbox"/>	Low <input type="checkbox"/>		
6.3.3)	loss of soil from wind or water erosion				<input type="checkbox"/>	<input type="checkbox"/>
	If Yes, Will that impact be	High <input type="checkbox"/>	Medium <input type="checkbox"/>	Low <input type="checkbox"/>		
6.3.4)	loss of structural integrity of the soil				<input type="checkbox"/>	<input type="checkbox"/>
	If Yes, Will that impact be	High <input type="checkbox"/>	Medium <input type="checkbox"/>	Low <input type="checkbox"/>		
6.3.5)	increased land instability with high risks from landslides or subsidence				<input type="checkbox"/>	<input type="checkbox"/>
	If Yes, Will that impact be	High <input type="checkbox"/>	Medium <input type="checkbox"/>	Low <input type="checkbox"/>		
6.3.6)	impacts from on-site waste water disposal				<input type="checkbox"/>	<input type="checkbox"/>
	If Yes, Will that impact be	High <input type="checkbox"/>	Medium <input type="checkbox"/>	Low <input type="checkbox"/>		
6.3.7)	other				<input type="checkbox"/>	<input type="checkbox"/>
6.4) Noise and vibration impacts						
6.4.1)	results in increased noise or vibrations to unacceptable levels for the surrounding communities				<input type="checkbox"/>	<input type="checkbox"/>
	If Yes, Will that impact be	High <input type="checkbox"/>	Medium <input type="checkbox"/>	Low <input type="checkbox"/>		
6.4.2)	affects sensitive properties (educational, hospitals, residential, heritage)				<input type="checkbox"/>	<input type="checkbox"/>
	If Yes, Will that impact be	High <input type="checkbox"/>	Medium <input type="checkbox"/>	Low <input type="checkbox"/>		
6.4.3)	other				<input type="checkbox"/>	<input type="checkbox"/>
<u>Biological Impacts</u>						
6.5) Fauna Impacts						
6.5.1)	any impacts upon or displacement of fauna species (including animals, birds, frogs, reptiles, insects, fish or crustaceans)				<input type="checkbox"/>	<input type="checkbox"/>
	If Yes, Will that impact be	High <input type="checkbox"/>	Medium <input type="checkbox"/>	Low <input type="checkbox"/>		
6.5.2)	any reduction of critical habitat of any unique, threatened or endangered fauna (within the meaning of the NP&W Act 1974).				<input type="checkbox"/>	<input type="checkbox"/>
	If Yes, Will that impact be	High <input type="checkbox"/>	Medium <input type="checkbox"/>	Low <input type="checkbox"/>		

6.5.3) impacts which create significant barriers to fauna movement □ □
 If Yes, Will that impact be High□ Medium□ Low□

6.5.4) any other impacts □ □

6.6) Flora Impacts

6.6.1) any impact on flora species (including trees, shrubs, grasses, herbs or aquatic plants.) □ □

If Yes, Will that impact be High□ Medium□ Low□

6.6.2) impacts from the clearing or modifying of extensive areas of relatively undisturbed native vegetation or wetlands □ □

If Yes, Will that impact be High□ Medium□ Low□

6.6.3) any other impacts □ □

6.7) Ecological Impacts

6.7.1) any threat to the biological diversity or ecological integrity of species or communities □ □

If Yes, Will that impact be High□ Medium□ Low□

6.7.2) any barrier to the normal replenishment or revegetation of existing species following disturbance □ □

If Yes, Will that impact be High□ Medium□ Low□

6.7.3) impacts from the introduction of noxious weeds, vermin, feral species or diseases or releases genetically modified organisms □ □

If Yes, Will that impact be High□ Medium□ Low□

6.7.4) impacts from the uses of pesticides, herbicides, fertilisers or other chemicals which may build up residues in the environment □ □

If Yes, Will that impact be High□ Medium□ Low□

6.7.5) Bushfire risk impacts □ □

If Yes, Will that impact be High□ Medium□ Low□

6.7.6) any other impacts □ □

6.8 Threatened Species Considerations □ □

- is the activity likely to significantly affect threatened species, populations or ecological communities, or their habitat (include the eight-part test s.5A EP&A Act).

If YES and threatened species are likely to occur on the site-Consult the Water Catchments Team for advice and a list of appropriate flora and fauna consultants.

(Note: A species impact statement is required if an activity is on land that is, or is part of critical habitat or there is likely to be a significant effect as determined under s.5A of the EP&A Act, the eight part test).

Critical habitat: the whole or any part or parts of the area or areas of land comprising the habitat of an endangered species, population or ecological community that is critical to the survival of the species, population or ecological community.

Significant impact: if a yes answer is given for any part of the 8-part test then it can be assumed that the impact is significant.

Section 5A EP&A Act (eight part test)

a) in the case of a threatened species, whether the life cycle of the species is likely to be disrupted such that a viable local population of the species is likely to be placed at risk of extinction?

b) in the case of an endangered population, whether the life cycle of the species that constitutes the endangered population is likely to be disrupted such that the viability of the population is likely to be significantly compromised?

- c) in relation to the regional distribution of the habitat of a threatened species, population or ecological community, whether a significant area of known habitat is to be modified or removed?
- d) whether an area of known habitat is likely to become isolated from currently interconnecting or proximate areas of habitat for a threatened species, population or ecological community?
- e) whether critical habitat will be affected?
- f) whether a threatened species, population or ecological community, or their habitats, are adequately represented in conservation reserves (or other similar protected areas) in the region?
- g) whether the development or activity proposed is a class of development or activity that is recognised as a threatening process?
- h) whether any threatened species, population or ecological community is at the limit of its known distribution?

Resource Use Impacts

	YES	NO
6.9) Community resources		
6.9.1) any significant increase in the demand for services and infrastructure resources including roads, power, water supply and drainage, waste (including sewage) management, education, medical and social services	<input type="checkbox"/>	<input type="checkbox"/>
If Yes, Will that demand be High <input type="checkbox"/> Medium <input type="checkbox"/> Low <input type="checkbox"/>		
6.9.2) any significant resource recycling or reuse schemes to reduce resource usage	<input type="checkbox"/>	<input type="checkbox"/>
If Yes, Will that be High <input type="checkbox"/> Medium <input type="checkbox"/> Low <input type="checkbox"/>		
6.9.3) any diversion of resources to the detriment of other communities or natural systems	<input type="checkbox"/>	<input type="checkbox"/>
If Yes, Will the impact be High <input type="checkbox"/> Medium <input type="checkbox"/> Low <input type="checkbox"/>		
6.9.4) any degradation of infrastructure such as roads, bridges	<input type="checkbox"/>	<input type="checkbox"/>
If Yes, Will that be High <input type="checkbox"/> Medium <input type="checkbox"/> Low <input type="checkbox"/>		
6.9.5) any other impacts on community resources	<input type="checkbox"/>	<input type="checkbox"/>
6.10) Natural resources		
6.10.1) any disruption or destruction of natural resources (eg fish habitat or fish species) with impacts on industries based on these resources	<input type="checkbox"/>	<input type="checkbox"/>
If Yes, Will the impact be High <input type="checkbox"/> Medium <input type="checkbox"/> Low <input type="checkbox"/>		
6.10.2) any disruption of existing activities (or reduction of options for future options) because of the natural resource demands of the proposal	<input type="checkbox"/>	<input type="checkbox"/>
If Yes, Will those disruptions be High <input type="checkbox"/> Medium <input type="checkbox"/> Low <input type="checkbox"/>		
6.10.3) any use which results in the wasteful use of large amounts of natural resources	<input type="checkbox"/>	<input type="checkbox"/>
If Yes, Will that wastage be High <input type="checkbox"/> Medium <input type="checkbox"/> Low <input type="checkbox"/>		
6.10.4) any use which results in the substantial depletion of natural resources	<input type="checkbox"/>	<input type="checkbox"/>
If Yes, Will the depletion be High <input type="checkbox"/> Medium <input type="checkbox"/> Low <input type="checkbox"/>		
6.10.5) any use which results in the degradation of any area reserved for conservation purposes	<input type="checkbox"/>	<input type="checkbox"/>
If Yes, Will the degradation be High <input type="checkbox"/> Medium <input type="checkbox"/> Low <input type="checkbox"/>		
6.10.6) any other impacts on natural resources	<input type="checkbox"/>	<input type="checkbox"/>

Community Impacts

	YES	NO
6.11) Social factors		
6.11.1) any impacts which result in a change in the community's demographic structure	<input type="checkbox"/>	<input type="checkbox"/>

If Yes, Will that change be	High <input type="checkbox"/>	Medium <input type="checkbox"/>	Low <input type="checkbox"/>		
6.11.2) any environmental impacts that may cause substantial change or disruption to the community (loss of neighbour cohesion, access to facilities, links to other communities, community identity or cultural character)				<input type="checkbox"/>	<input type="checkbox"/>
If Yes, Will that impact be	High <input type="checkbox"/>	Medium <input type="checkbox"/>	Low <input type="checkbox"/>		
6.11.3) any impacts which result in some individuals or communities being significantly disadvantaged				<input type="checkbox"/>	<input type="checkbox"/>
If Yes, Will that impact be	High <input type="checkbox"/>	Medium <input type="checkbox"/>	Low <input type="checkbox"/>		
6.11.4) any impacts on the health, safety, security, privacy, or welfare of individuals or communities because of factors such as:- - air pollution or odour - noise, vibration, blasting, electromagnetic fields or radiation - release of disease or genetically modified organisms - lighting, overshadowing or visual impacts				<input type="checkbox"/>	<input type="checkbox"/>
If Yes, Will that impact be	High <input type="checkbox"/>	Medium <input type="checkbox"/>	Low <input type="checkbox"/>		
6.11.5) any impacts that result in a change in the level of demand for community resources (eg facilities, services and labour force)				<input type="checkbox"/>	<input type="checkbox"/>
If Yes, Will that impact be	High <input type="checkbox"/>	Medium <input type="checkbox"/>	Low <input type="checkbox"/>		
6.11.6) any other social impacts				<input type="checkbox"/>	<input type="checkbox"/>
6.12) Economic factors					
6.12.1) any impacts which result in a decrease to net economic welfare				<input type="checkbox"/>	<input type="checkbox"/>
If Yes, Will that impact be	High <input type="checkbox"/>	Medium <input type="checkbox"/>	Low <input type="checkbox"/>		
6.12.2) any impacts that result in a direct cost to the community or individuals				<input type="checkbox"/>	<input type="checkbox"/>
If Yes, Will that impact be	High <input type="checkbox"/>	Medium <input type="checkbox"/>	Low <input type="checkbox"/>		
6.12.3) any impacts that result in a decrease in the community's economic stability				<input type="checkbox"/>	<input type="checkbox"/>
If Yes, Will that impact be	High <input type="checkbox"/>	Medium <input type="checkbox"/>	Low <input type="checkbox"/>		
6.12.4) any impacts which result in a change to the public sector revenue or expenditure base				<input type="checkbox"/>	<input type="checkbox"/>
If Yes, Will that impact be	High <input type="checkbox"/>	Medium <input type="checkbox"/>	Low <input type="checkbox"/>		
6.12.5) any other economic impacts				<input type="checkbox"/>	<input type="checkbox"/>
6.13) Heritage, aesthetic, cultural impacts				YES	NO
6.13.1) any impacts on a locality, place, building or natural landmark having aesthetic, anthropological, archaeological, architectural, cultural, historical, scientific, recreational, scenic or social significance or other special value for present or future generations				<input type="checkbox"/>	<input type="checkbox"/>
If Yes, Will that impact be	High <input type="checkbox"/>	Medium <input type="checkbox"/>	Low <input type="checkbox"/>		
6.13.2) any impacts from new lighting, glare or shadows				<input type="checkbox"/>	<input type="checkbox"/>
If Yes, Will that impact be	High <input type="checkbox"/>	Medium <input type="checkbox"/>	Low <input type="checkbox"/>		
6.13.3) any other heritage, aesthetic or cultural impacts				<input type="checkbox"/>	<input type="checkbox"/>
6.14) Land use impacts					
6.14.1) any major changes in land use				<input type="checkbox"/>	<input type="checkbox"/>
If Yes, Will that be	High <input type="checkbox"/>	Medium <input type="checkbox"/>	Low <input type="checkbox"/>		

- 6.14.2) any curtailment of other beneficial issues
 If Yes, Will that be High Medium Low
- 6.14.3) any property value impacts with land use implications
 If Yes, Will that impact be High Medium Low
- 6.14.4) any other land use impacts
- 6.15) Transportation impacts (during construction and operation)**
- 6.15.1) substantial impacts on existing transportation systems (rail, water, road, air or pedestrian - both public and private), altering present patterns of circulation, modal split or movement of people and/or goods
 If Yes, Will those impacts be High Medium Low
- 6.15.2) directly or indirectly encourages additional traffic
 a) during construction
 If Yes, Will that be High Medium Low
- b) during operation
 If Yes, Will that be High Medium Low
- 6.15.3) increases demand for parking (off and on street including residential areas)
 If Yes, Will those demands be High Medium Low
- 6.15.4) any other impacts on transport or traffic

7. PROPOSED ENVIRONMENTAL SAFEGUARDS

- Describe measures to ameliorate impacts (eg. Erosion and Sediment Control Plan (ESCP) or Soils and Waste Management Plan (SWMP), and measures to protect flora and fauna.

Include maps, diagrams, photographs, plans and supporting information

A plan of the land to which the application relates must accompany the REF indicating the following, on or adjacent to the land:

- the location and design of the proposal
- a vegetation map (if applicable)
- any areas of conservation significance
- the location of any easements
- the location and use of any existing buildings and infrastructure; and
- any other relevant information

8. DISPOSAL OF WASTE AND SURPLUS MATERIALS

- 8.1) Description of material and quantities
- 8.2) Destination approved for all waste and surplus materials

9. MONITORING (what, how, who, when, how long)

10. SAFETY FACTORS to be incorporated with the activity

11. VIEWS / OPINIONS/ APPROVALS OF OTHER AUTHORITIES (where appropriate)

12. FUNDING

Please identify the source (Special Rates, Grants, Revenue, Donations, In-kind, Developer, Contributions)

13. REFERENCES(if applicable)

14. CONSULTATION

Does the project require consultation with any of the following authorities or internal teams?

Authority	Consultation required	Consultation occurred
NSW Agriculture	yes <input type="checkbox"/> no <input type="checkbox"/>	Yes <input type="checkbox"/> no <input type="checkbox"/>

Hawkesbury Nepean Catchment Management Trust	yes <input type="checkbox"/> no <input type="checkbox"/>	Yes <input type="checkbox"/> no <input type="checkbox"/>
Department of Land & Water Conservation	yes <input type="checkbox"/> no <input type="checkbox"/>	Yes <input type="checkbox"/> no <input type="checkbox"/>
NSW Fisheries	yes <input type="checkbox"/> no <input type="checkbox"/>	Yes <input type="checkbox"/> no <input type="checkbox"/>
Environment Protection Authority	yes <input type="checkbox"/> no <input type="checkbox"/>	Yes <input type="checkbox"/> no <input type="checkbox"/>
Roads and Traffic Authority Local Development Advisory Committee Regional Development Advisory Committee	yes <input type="checkbox"/> no <input type="checkbox"/>	Yes <input type="checkbox"/> no <input type="checkbox"/>
NSW Health	yes <input type="checkbox"/> no <input type="checkbox"/>	Yes <input type="checkbox"/> no <input type="checkbox"/>
NSW Fire Brigades	yes <input type="checkbox"/> no <input type="checkbox"/>	Yes <input type="checkbox"/> no <input type="checkbox"/>
WorkCover Authority	yes <input type="checkbox"/> no <input type="checkbox"/>	Yes <input type="checkbox"/> no <input type="checkbox"/>
Electricity Supply Authority (Trans Grid, Energy Australia, Integral Energy)	yes <input type="checkbox"/> no <input type="checkbox"/>	Yes <input type="checkbox"/> no <input type="checkbox"/>
Department of Urban Affairs & Planning	yes <input type="checkbox"/> no <input type="checkbox"/>	Yes <input type="checkbox"/> no <input type="checkbox"/>
State Rail Authority / City Rail	yes <input type="checkbox"/> no <input type="checkbox"/>	Yes <input type="checkbox"/> no <input type="checkbox"/>
NSW Waterways (MSB)	yes <input type="checkbox"/> no <input type="checkbox"/>	Yes <input type="checkbox"/> no <input type="checkbox"/>
NSW Forestry Commission	yes <input type="checkbox"/> no <input type="checkbox"/>	Yes <input type="checkbox"/> no <input type="checkbox"/>
Police Department	yes <input type="checkbox"/> no <input type="checkbox"/>	yes <input type="checkbox"/> no <input type="checkbox"/>
Department of Public Works	yes <input type="checkbox"/> no <input type="checkbox"/>	yes <input type="checkbox"/> no <input type="checkbox"/>
Department of Minerals and Energy	yes <input type="checkbox"/> no <input type="checkbox"/>	yes <input type="checkbox"/> no <input type="checkbox"/>
National Parks and Wildlife Service	yes <input type="checkbox"/> no <input type="checkbox"/>	yes <input type="checkbox"/> no <input type="checkbox"/>
Sydney Water	yes <input type="checkbox"/> no <input type="checkbox"/>	yes <input type="checkbox"/> no <input type="checkbox"/>
Community Organisations / Committees	yes <input type="checkbox"/> no <input type="checkbox"/>	yes <input type="checkbox"/> no <input type="checkbox"/>
Members of Parliament	yes <input type="checkbox"/> no <input type="checkbox"/>	yes <input type="checkbox"/> no <input type="checkbox"/>
Other	yes <input type="checkbox"/> no <input type="checkbox"/>	yes <input type="checkbox"/> no <input type="checkbox"/>

INTERNAL REFERRALS

Works Division	yes <input type="checkbox"/> no <input type="checkbox"/>	yes <input type="checkbox"/> no <input type="checkbox"/>
Traffic & Road Safety Branch	yes <input type="checkbox"/> no <input type="checkbox"/>	yes <input type="checkbox"/> no <input type="checkbox"/>
Health & Building Surveyor	yes <input type="checkbox"/> no <input type="checkbox"/>	yes <input type="checkbox"/> no <input type="checkbox"/>
Development Engineer	yes <input type="checkbox"/> no <input type="checkbox"/>	yes <input type="checkbox"/> no <input type="checkbox"/>
Planning Branch - Strategic - Heritage	yes <input type="checkbox"/> no <input type="checkbox"/>	yes <input type="checkbox"/> no <input type="checkbox"/>
Parks and Landscapes Team	yes <input type="checkbox"/> no <input type="checkbox"/>	yes <input type="checkbox"/> no <input type="checkbox"/>
Environmental Education and Compliance Team	yes <input type="checkbox"/> no <input type="checkbox"/>	yes <input type="checkbox"/> no <input type="checkbox"/>
Waste Management Team	yes <input type="checkbox"/> no <input type="checkbox"/>	yes <input type="checkbox"/> no <input type="checkbox"/>
Water Catchments Team	yes <input type="checkbox"/> no <input type="checkbox"/>	yes <input type="checkbox"/> no <input type="checkbox"/>
Fire Control	yes <input type="checkbox"/> no <input type="checkbox"/>	yes <input type="checkbox"/> no <input type="checkbox"/>
Other	yes <input type="checkbox"/> no <input type="checkbox"/>	yes <input type="checkbox"/> no <input type="checkbox"/>

15. This REF/Part V Assessment was prepared by:

(Name and Title/project officer)

Date

16. CONCLUSIONS AND RECOMMENDATIONS (include one of the following with reasons)*(tick ✓)*

- the proposal will not have any significant impact on the environment and should proceed;
- the proposal will include mitigation measures and methods to avoid a significant impact on the environment and should proceed;
- the proposal will have a significant impact on the environment and an environment impact statement is required;
- the proposal is on land that is, or is part of critical habitat or is likely to have a significant impact on threatened species, populations or ecological communities, or their habitats, and a species impact statement is

required; or

- the proposal will have a significant impact on the environment and should not proceed.

17. This REF/Part V Assessment is Endorsed and Approved by:

(Branch Manager)

Date

SECTION 2- PLANNING

This section is to be completed by an Assessment Planner. This Pro-Forma along with the completed and approved REF/Part V Assessment should be forwarded to the Assessment Planning Team Co-ordinator.

2/2.1) Permissibility under relevant legislation and plans

STATE ENVIRONMENTAL PLANNING POLICIES AND SYDNEY REGIONAL ENVIRONMENTAL PLANS

Are any of the following SEPPs relevant to the activity:

If Yes Have the legislative requirements been

met

State Environmental Planning Policy No. 19 - Bushland in Urban Areas	Yes / No	
State Environmental Planning Policy No. 44 - Koala Habitat Protection	Yes / No	
Sydney Regional Environmental Plan No.20 - Hawkesbury-Nepean River (1997-2)	Yes / No	

2/2.2) Permissibility under Hornsby Shire council Policies /Plans

DEVELOPMENT CONTROL PLANS

Are any of the following DCPs relevant to the activity:

<u>Land Use DCPs</u>		If Yes has the relevant provisions been addressed
Car Parking Development Control Plan	Yes / No	
Heritage Development Control Plan	Yes / No	
Access and Mobility Development Control Plan	Yes / No	
Sustainable Water Development Control Plan	Yes / No	
<u>Area DCPs</u>		
Berowra/Cowan Development Control Plan	Yes / No	
Brooklyn Development Control Plan	Yes / No	
Cherrybrook Precinct Development Control Plan	Yes / No	
Dangar Island Development Control Plan	Yes / No	
Dural Service Centre Development Control Plan	Yes / No	
Dural Village Centre Development Control Plan	Yes / No	
Draft Hornsby Town Centre Development Control Plan	Yes / No	
Pennant Hills Development Control Plan	Yes / No	
Extractive Industries - Maroota Development Control Plan	Yes / No	
River Settlements Development Control Plan	Yes / No	
Rural Land (Interim) Development Control Plan	Yes / No	
Draft Rural Lands Development Control Plan	Yes / No	
Byles Creek Development Control Plan	Yes / No	
Duffy Avenue - Westleigh	Yes / No	
Other	Yes / No	

SENSITIVE URBAN LANDS

Is the site located in a rural area?	Yes / No	If yes the SUL criteria are not relevant
Is the site located in an urban area?	Yes / No	If yes complete the following table (from AS400 data)

	Level 1, 2 or 3	Does the proposal address the requirements for this rating?
Topography		
Proximity to Watercourse		
Soil Dispersibility		
Soil Landscape		
Plant Community		
Bushland		
Fauna Habitat		
Bushfire Hazard		

The Activity as described in this REF is permissible.

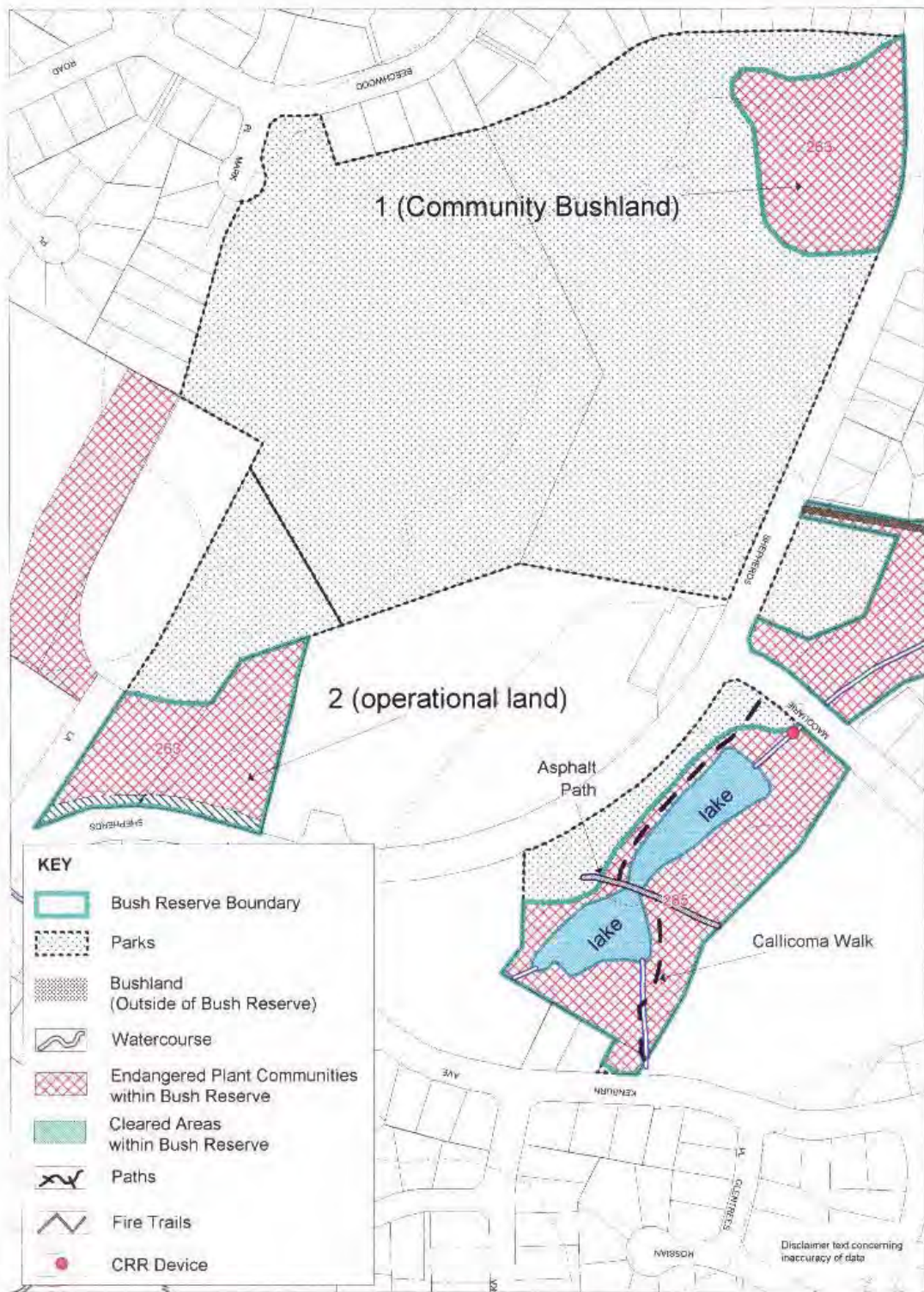
Approved By:

(Assessment Planner)

Date

The signed off REF should be forwarded to the Project Officer responsible for the activity and placed on the appropriate file.

APPENDIX 8



Hornsby Shire Council
Greenway Park
 Bush Reserve
 March 1, 2000



Disclaimer text concerning inaccuracy of data