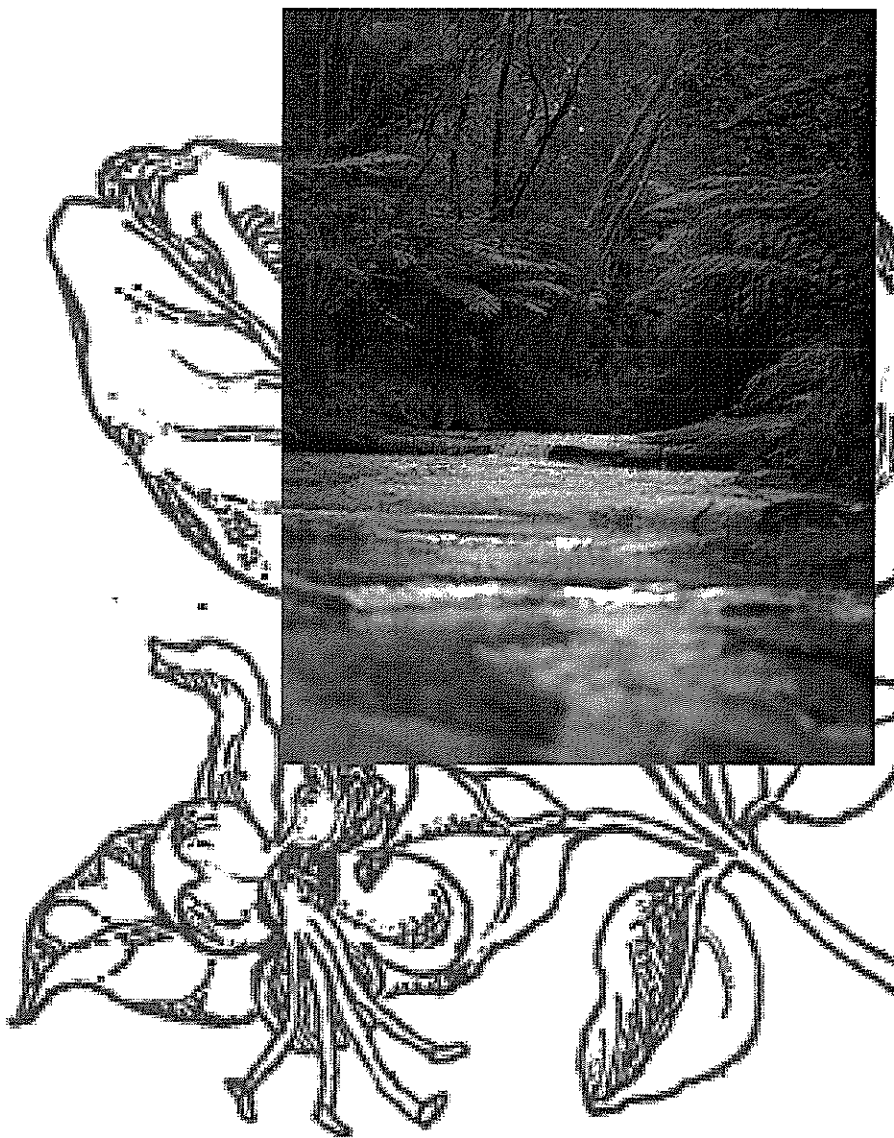


Moire Park
Manutewhau Walk
Manutewhau Reserve
West Harbour Esplanade



Reserve Management Plan



Waitakere City Council
Te Taiaro o Waitakere

Moire Park
Manutewhau Walk
Manutewhau Reserve
West Harbour Esplanade

RESERVE MANAGEMENT PLAN

Adopted

July 2000

by the

Massey Community Board

Prepared by

Waitakere City Council

Landscape Development Unit

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SUMMARY

The Reserve Management Plan for Moire Park, Manutewhau Walk, Manutewhau Reserve and West Harbour Esplanade sets out the objectives and policies for the management of the park. The plan has been produced within the context of Waitakere City's wider objectives as well as the views of the local and wider community

Key policy and implementation actions are outlined below:

- Manage Moire Park as Citywide park with a range of active sporting, casual recreation and opportunities to appreciate the environment.
- Manage Manutewhau Walk and West Harbour Esplanade as Citywide parks with an environmental focus
- Manage Manutewhau Reserve as a Neighbourhood park with a playground for young children
- Protect bush ecosystems and undertake weed control on all reserves
- Enhance Manutewhau stream environment, water quality and habitats
- Upgrade Athletic track on Moire Park
- Allow extension of Athletic club house to replace steel containers
- Allow extension of Rugby clubrooms to provide accommodation for on site caretaker
- Allow extension of crèche building on Moire Park
- Upgrade entrances to reserves, including the Royal Road entrance to Moire Park with off road carparking
- Provide additional off road parking between Rugby clubrooms and Athletic clubhouse on Moire park
- Ensure better integration of recreational opportunities within and between reserves
- Seal internal road through Moire Park
- Improve walkway network within and between reserves
- Provide additional youth facilities with a skating area and basketball and netball half courts on Moire Park
- Increase passive opportunities and community events held on parks
- Provide additional amenity facilities on parks with tables, seats, shade and picnic facilities, barbeques, rubbish bins, dog-litter bins and paths and tracks
- Enforce Council by-laws, leases and event conditions on reserves
- Formalise lease with Athletic club
- Liase with Ministry of Education over neighbouring undeveloped land

1.0 INTRODUCTION AND BACKGROUND

1.1. Moire Park: A Special Place

Moire Park is a spectacular reserve in the heart of Massey, with the adjoining Manutewhau Walk, Manutewhau Reserve and West Harbour Esplanade forming a continuous connection along the margins of Lawson's Creek from Luckens Reserve on the Waitemata Harbour to the upper reaches of the Manutewhau Stream at the northwestern motorway at Massey North/Westgate, protecting the largest piece of outstanding bush and wetlands in Massey and the associated animals found there. Moire Park is one of the two major centres for sports in Waitakere City with touch rugby, athletics, orienteering, harriers, kilikiti and rugby based here with associated club buildings. Due to these multiple attributes, Moire Park is considered a citywide park, providing for people from all parks of Waitakere City. The reserve management plan for Moire Park, Manutewhau Walk, Manutewhau Reserve and West Harbour Esplanade is a way of ensuring balance between the sporting, ecological and recreational needs of the environment and local and wider community and ensuring that the special character of this area is retained.

1.2. Purpose of the Moire Park Reserve Management Plan

The aim of the Reserve Management Plan for Moire Park, Manutewhau Walk, Manutewhau Reserve and West Harbour Esplanade is to provide for the enjoyment of sporting, ecological and recreational opportunities for the local and wider community in a manner which is in keeping with the existing character of the area and within the capabilities of its natural resources.

This Reserve Management Plan:

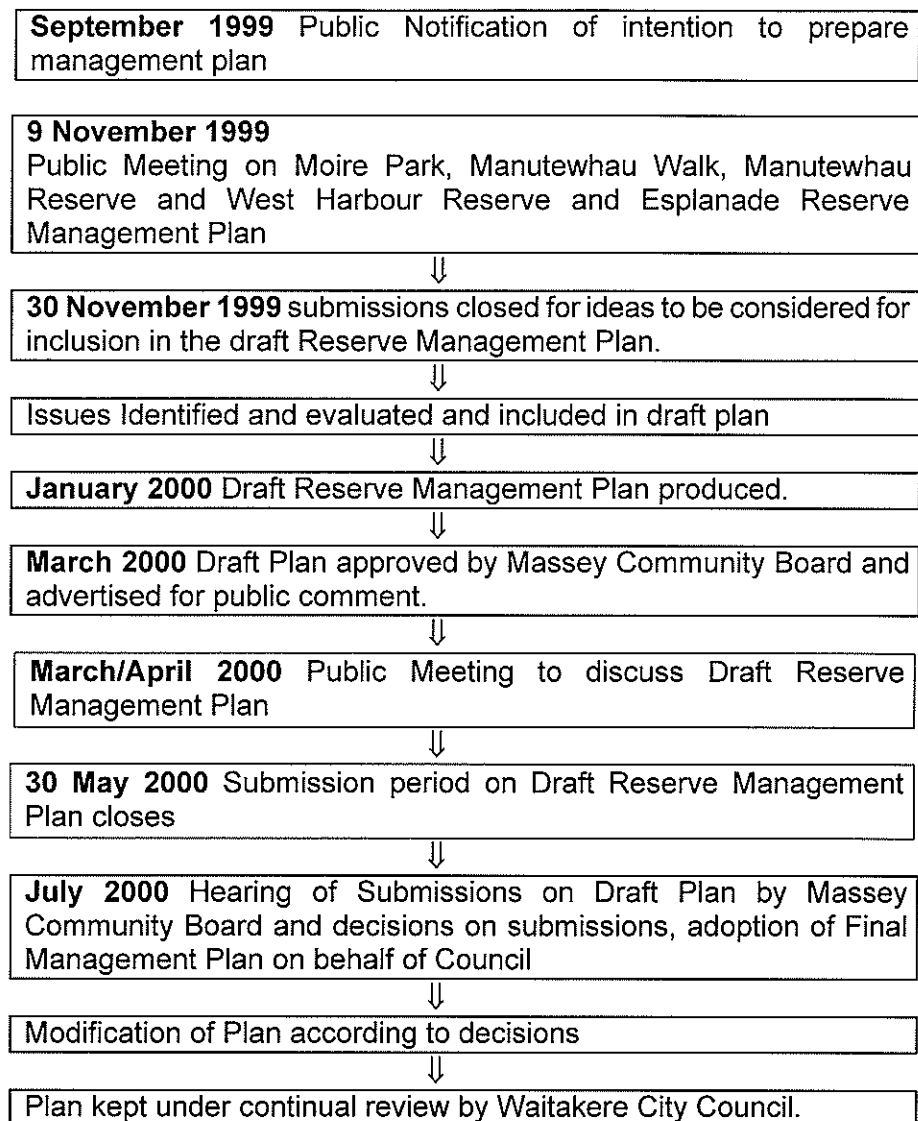
- ◆ provides an understanding in the community of how the reserve will be managed;
- ◆ simplifies administration by providing clear Council policy statements with regard to the park, which are designed to encourage consistency in decision making and guide future management;
- ◆ ensures that these decisions will take into account the broad public interest, rather than being on an ad hoc basis;
- ◆ contains management policies which can be readily understood and implemented within the context of the Council's Long Term Financial Strategy, Parks Strategy and Greenprint;
- ◆ is clear about general intentions and attitudes while retaining the flexibility to deal with matters of detail on their individual merits within the general framework;
- ◆ provides a procedure for public involvement during its preparation and review;
- ◆ sets governing principles for management which will be readily understood by those whose actions or interests will be affected by the plan.

1.3. The Management Plan Process

The process that was followed in the production of this plan was in accordance with the provisions of the Reserves Act 1977 and included extensive public consultation.

Although previous management plans have been prepared for Moire Park, the most recent was in 1980, and no longer reflects today's needs.

This Reserve Management plan has been prepared from ideas and submissions received during the consultation process outlined below:



1.4. How to use the Management Plan

The Management Plan is laid out in three parts:

- (a) The first part contains the background information relating to the statutory and strategic framework for the Reserve Management Plan and describes the current state of the parks.
- (b) The second part comprises the Reserve Management Plan itself. It contains the detailed objectives for the management of the parks and an explanation of these. It outlines the policies used to meet these objectives and how these policies will be implemented.
- (c) The third part describes the development plans for the parks in specific detail.

The Appendices outline the legal description and documentation of the park as well as a summary of written submissions and comments given at community consultation events.

2. STATUTORY CONTEXT

The section contains the background information relating to the statutory framework within which the Reserve Management Plan must be prepared.

2.1. Reserves Act 1977

The Reserves Act requires that every recreation and scenic reserve have a management plan prepared for it. Once accepted, the plan is to be subject to continuous review to adapt to changing circumstances or increased knowledge about the reserve. The intention of the plan is to:

“provide for and ensure the use, enjoyment, protection and preservation, as the case may require, and to the extent that the administering body’s resources permit, the development, as appropriate, of the reserve for the purposes for which it was classified.”

Moire Park, Manutewhau Walk, Manutewhau Reserve and West Harbour Esplanade have been classified as different reserve types under the Reserves Act and these, and their purposes are described in detail in Appendix C.

2.2. Resource Management Act 1991

The purpose of the Act is to:

“promote the sustainable management of natural and physical resources.”

Issues which are considered to be of National Importance are:

- (a) The preservation of the natural character of the coastal environment, wetlands, and lakes and rivers and their margins, and the protection of them from inappropriate subdivision, use, and development,*
- (b) The protection of outstanding natural features and landscapes from inappropriate subdivision, use, and development,*
- (c) The protection of areas of significant indigenous vegetation and significant habitats of indigenous fauna,*
- (d) The maintenance and enhancement of public access to and along the coastal marine area, lakes and rivers,*
- (e) The relationship of Maori and their culture and traditions with their ancestral lands, water, sites, waahi tapu and other taonga.*

2.3 New Zealand’s Biodiversity Strategy

The aim of the Draft Biodiversity Strategy, 1999 is to halt the decline of New Zealand’s native plants, animals, habitats and ecosystems. It sets out the steps needed to reduce or even halt this loss and ways to enhance and restore New Zealand’s natural biodiversity and resources.

2.4 Waitakere City Council Proposed District Plan

The Proposed District Plan identifies Waitakere City’s parks as Open Space Environment, overlain by the Natural Area characteristics on those parklands. Different human environment and natural area classifications afford differing levels of development or protection under the policies and rules of the District Plan.

The majority of the bush clad portion of Moire Park and West Harbour Esplanade is identified within the Proposed District Plan as Protected Natural Area. Protected natural areas are those areas of highest vegetation values and natural features in Waitakere City. Moire Park is also identified as providing significant faunal habitat.

The coastal margins of Moire Park and all of West Harbour Esplanade are identified as Coastal Edge Natural Area where the Manutewhau stream has a Riparian Margin Natural Area width protection of 20 metres when it runs through Moire Park, reducing to 15m in Manutewhau Walk. The eastern most tributary of the Manutewhau Stream in Moire Park has a riparian margin protection from 7 – 15 metres, with the remaining two tributaries having a 5 metre riparian margin.

Coastal Edge Natural Areas and Riparian Margin Natural Areas have an emphasis on the protection of ecological values, natural character and water quality and are recognised as being very sensitive to disturbance and modification.

The Manutewhau Walk and Manutewhau Reserve are classified as Managed Natural Areas. Managed Natural Areas include areas of vegetation with greater than 50% native vegetation and are greater than 300m² which act as important wildlife habitats. Small sections of the Manutewhau Walk and Moire Park are classified as Restoration (20 – 50% native vegetation) Natural Areas with degraded bush in need of ecological restoration.

3. STRATEGIC CONTEXT

The section contains the background information relating to the strategic framework within which the Reserve Management Plan must be prepared.

3.1 Greenprint

This document contains the overall strategic framework within which Waitakere City operates. The Greenprint identifies key changes and actions required for Waitakere to become an eco-city and targets a number of key focus areas to realise this vision.

3.2 Green Network

The Green Network is an approach to integrate native ecosystems on private and public land by recreating a vegetated green link between the Waitakere Ranges and the Waitemata Harbour thereby protecting, restoring and enhancing the natural environment and increasing

3.3 Parks Strategy

The Parks Strategy has been developed in accordance with Waitakere City's Greenprint and provides guidelines for the management of parks within the City. The strategy sets out a programme for change and improvement of the open space areas within the city.

The objectives are to:

- ◆ Increase the use and enjoyment of parks – *Moire Park will contain sizeable areas for casual recreation*

- ◆ Extend and improve the city's natural ecosystems – *Moire Park has been identified as having a green network focus*
- ◆ Increase the opportunities for people to enjoy nature on parks – *Developing public access to the Waitemata coastline and comprehensive walkways are a priority*
- ◆ Sustainably manage parks as part of the wider landscape
- ◆ Increase the use, range and quality of sports facilities within the city
- ◆ Protect the heritage values within the city
- ◆ Provide quality local and neighbourhood parks that are within walking distance throughout the city
- ◆ Work in partnership with iwi on the management of Waahi Tapu
- ◆ Involve communities in the design and management of parks
- ◆ Improve the management and administration of parks

The Parks Strategy classifies a park according to the facilities it provides, its size, location and role within the reserve network. The classes are citywide parks, local parks and neighbourhood parks. Moire Park, Manutewhau Walk and West Harbour Esplanade are all classified as citywide parks. Citywide parks are seen as the key method of meeting the needs of Waitakere City residents in the future, and as providing a significant recreational and ecological function within the wider parks network. Manutewhau Reserve is classified as a Neighbourhood park which acts as a focus for families and young children and is within walking distance of local homes.

3.4 Te Kawerau A Maki Trust Resource Management Statement

The Resource Management Statement outlines the concerns and goals of the Kawerau a Maki Trust with regard to the sustainable management of the Taonga within the tribal area of Te Kawerau A Maki. Resource management issues are addressed by the Kawerau A Maki Trust within the context of achieving balance between:

- ◆ maintenance of spiritual and cultural values,
- ◆ environmental and heritage protection and enhancement,
- ◆ social and economic development

3.5 Ngati Whatua Environmental Report

This report is currently under review, however it outlines traditional approaches and practices for sustainable resource management with regard to issues of concern to Ngati Whatua.

Matters of concern include:

- ◆ enhancing and protecting the mauri of water,
- ◆ air quality
- ◆ retainment and enhancement of natural native forests

4. CURRENT STATE

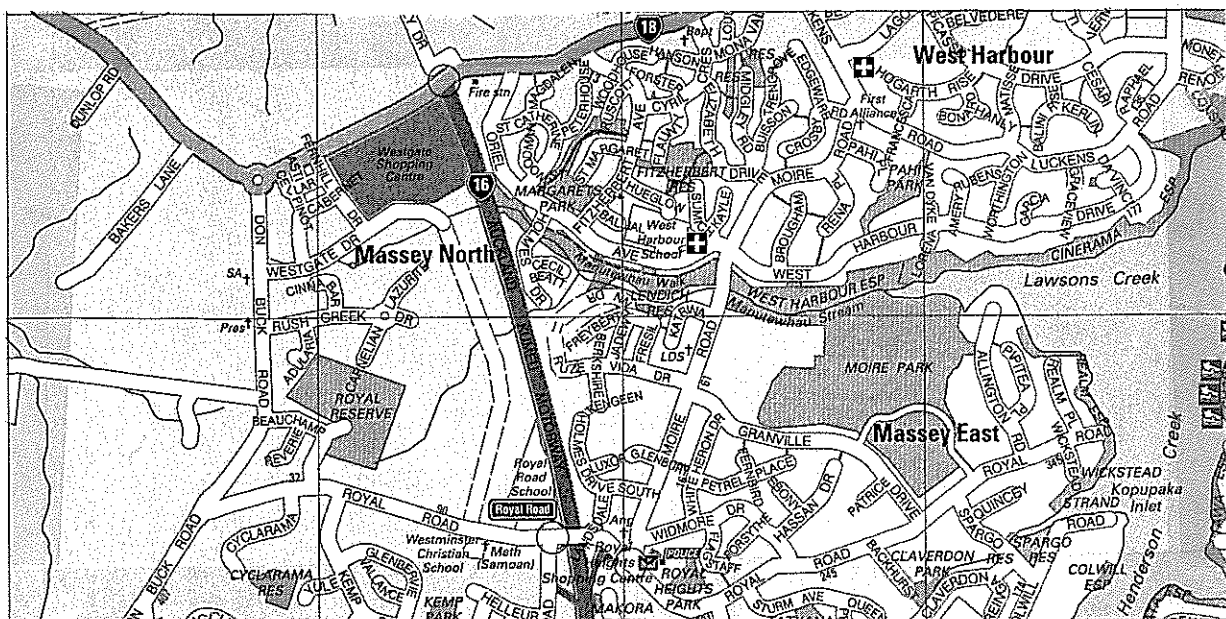
4.1. Location

Moire Park (37.4ha) and the adjacent Manutewhau Walk (4.7 ha), West Harbour Esplanade (8.8 ha) and the yet to be developed Manutewhau Reserve are located in the predominately residential area of Massey East. Moire Park is bounded by Granville Drive to the south, residential properties and Lawsons Creek to the east, the Manutewhau stream to the north, (with West Harbour Esplanade on the steep bank on the other side of the Manutewhau stream) and Moire Road and eight hectares of Ministry of Education land to the west. This land has a designation as a high school with a planning date of 2005+, although other development options are being considered. Manutewhau Walk continues along the Manutewhau stream between Moire Road and the Auckland – Kumeu motorway. The Manutewhau Reserve will be created as part of the Roydvale subdivision. This will contain a stormwater treatment pond, playground, furniture, basketball half court and car parks. An esplanade reserve along the bank of the Manutewhau steam will also be created which will link to Katrina Esplanade. This will also be known as Manutewhau Walk; there is provision for this side of the stream to be connected to the existing Manutewhau Walk by way of a pedestrian foot bridge. This would enable access to West Harbour school and St Margarets Park. Using a combination of parks and footpaths it is possible to walk from the West Harbour marina to St Margarets Park along the Manutewhau Stream and Waitemata harbour. The Lawson's Creek footbridge provides access between Massey East and West Harbour.

Reserve Management Plan Issues

- *Advocating use of neighbouring Ministry of Education land to relevant Council committee*
- *Open space in a growing residential area*
- *Linkages to nearby schools, residential areas and reserves*
- *Extension of Waipareira walkway*
- *Safety near stormwater pond in Manutewhau Reserve*

Figure 1 Location plan of Moire Park, West Harbour Esplanade, Manutewhau Walk and Manutewhau Reserve.



4.2. History

Te Kawerau A Maki settled the area around 1600 and had ancestral links with people occupying the area at least as early as the 14th Century. Harbours and adjacent land were extensively utilised, particularly during summer months for fishing camps and the collection of resources from the forests and coasts. This land is also important to Ngati Whatua. Maori settlement in Waitakere was based around the coast and the Redhills area which has soils suitable for the cultivation of kumara. Headlands and entrances to major estuaries or creeks, like Lawson's Creek, provided easy access to both harbours and inland, safe canoe landings, fresh water and land suitable for seasonal gardens. The number and density of middens indicate that they were probably revisited year after year to establish gardens and maintain fishing rights.

European settlement in the area began in the 1840's with milling of timber, farming and gum digging. Moire park and the surrounding reserves were part of Henderson and McFarlens landclaim. Mr Lawson purchased 52 acres of land surrounding the present day Lawson's Creek mouth from them in December 1877. This included parts of Moire Park and West Harbour Esplanade.

Moire Park takes its name from Moire Road on its western boundary, which in turn received its name from the daughter of the Colwill family, long term residents of the area. The Cowill family settled in the area in 1907 and established a 30ha orchard and ran the rest of the estate for livestock. The farm was subdivided during the depression into small scale mixed farming and residential settlement.

The major residential development of Massey occurred in the 1970's and 80's and development of West Harbour in the 1980's and 90's. Massey, as with other newly settled areas, has a young population.

Reserve Management Plan Issues

- *Historic reference identification and interpretation*
- *Heritage themes*

4.3. Archaeology

Eight archaeological sites were recorded on West Harbour Esplanade. These are eroded or destroyed middens. Of the six sites which were relocated during development, only a portion of two of the midden remain at the western end of West Harbour Esplanade. The only site which was not relocated appears to be have been destroyed during modification of the area. A further midden exists at the eastern end of West Harbour Esplanade by Luckens Point. No archaeological sites are documented as existing on Moire Park, Manutewhau Walk or Manutewhau Reserve. The known archaeological sites are shown in Appendix D.

Reserve Management Plan Issues

- *Protection of archaeological sites*
- *Management of archaeological sites*
- *Interpretation of archaeological sites*

4.4. Geology and Soils

The soil types are generally podsolised yellow brown loams, particularly Waitemata fine sandy loam and clay and clay loam. The sandy loam regions are freer draining than the other areas of the park. The coastal cliffs of Lawson's Creek in West Harbour Esplanade suffer from erosion.

Reserve Management Plan Issues

- *Erosive nature of cliffs and stream banks*
- *Drainage and condition of sportsfields and casual and passive recreational opportunities*

4.5. Landscape

The reserves are part of the alluvial terraces and gentle slopes found in the northwestern region of Waitakere City. The coastal areas of all the reserves are part of the Waitemata Coastal Landscape and are identified as outstanding coastal areas. The Lawson's Creek cliffs are of specific landscape elements identified in the district plan. There are spectacular views of the Waitemata Harbour from West Harbour Esplanade.

Reserve Management Plan Issues

- *Erosive nature of cliffs*
- *Views*

4.6. Vegetation

Approximately 30 ha of the reserves are wilderness or bush areas. Six sites were surveyed in these reserves in 1994 as part of the Tamaki Protected Natural Area Survey to establish the range of vegetation found in the Tamaki Ecological District (which covers most of Waitakere and Auckland cities) and to allow for future monitoring. The parts of Moire Park which are considered to be outstanding or significant vegetation sites as a result of this survey are: the coastal kanuka pine forest in low lying areas, the coastal manuka forest in low lying areas and the coastal Carex-Gahnia tussockland in low lying areas. The parts of West Harbour Esplanade considered outstanding are the coastal broadleaf treefern forest on undulating lowland hills, and the broadleaf treefern forest on lowland hills.

A detailed ecological survey undertaken in 1998 identified seven main vegetation types: Pine and or tall manuka/mapou gumlands and weeds, tree fern and broadleaf shrub, kowhai/tawhero coastal forest, swamp/wetland, estuary grass marshes, mangroves and weed fields. Weeds are mainly confined to track edges, wetlands, stream and bush margins and park boundaries. Wattle, pine and prickly hakea are forming the canopy in some areas, outcompeting native trees and inhibiting natural regeneration. As a result of this survey, the first stage of weed control was carried out along the stream margins and one of the wetlands followed by replanting of the banks of the eastern most stream tributary. Other surveys have identified rare plants, including the threatened *Astelia grandis*, known from only a handful of sites in Waitakere City.

Moire Park was a site for the "Trees for Babies" event in 1995 where new born babies are celebrated by the planting of a tree by their families.

Figure 2Trees for Babies Event 1999



12 hectares of the reserves are considered to be passive areas, either grass or facilities. 8 hectares of Moire Park are managed as active sportsfield areas mainly for rugby, touch and athletics. Some of the sportsfields are surrounded by liquidamba specimen trees, which provide a spectacular display in autumn as their leaves change colour. These trees were planted by Fred Taylor a former local councillor. Some of the sportsfields do not have good visibility, partly because of surrounding large pine trees.

Figure 3Liquidambas surrounding sportfield



Reserve Management Plan Issues

- *Areas of outstanding vegetation*
- *Invasive plants control*
- *Weed source and spread*
- *Replanting and restoration*
- *Protection and management of rare plants*
- *Management of a continuous ecosystem extending from sea to inland bush*
- *Specimen trees*
- *Trampling of vegetation on informal tracks*

4.7. Water

There are four main waterways in the reserves. The main channel of the Manutewhau Stream, known as Lawson's Creek when it becomes tidal, has a catchment between Royal and Luckens Roads. Historically this stream was swum in. The three tributaries run from Granville Road north into the Manutewhau Stream. Water quality in the main channel has been affected by subdivision development upstream with high sediment loads and stormwater contaminants. There are culverts in most of the streams which would inhibit fish migration. The streams' physical habitat has been assessed recently and they all score highly.

A stormwater pond is situated in Manutewhau Reserve to treat stormwater from the Roydvale subdivision before it enters the Manutewhau Stream. The pond has been partially fenced to address immediate safety concerns.

Figure 4 Manutewhau Stream



Reserve Management Plan Issues

- *Water quality*
- *Fish passages in streams*
- *Stream habitat*
- *Stormwater pond safety*

4.8. Fauna

Both Moire Park and West Harbour Esplanade have significant terrestrial and aquatic fauna habitat.

The medium sided area of coastal broadleaf treefern forest on the north bank of the Manutewhau Stream, the tall kanuka/manuka gumland on the south of the stream and the saltmarsh are all identified as significant bird and lizard habitat.

In general terrestrial fauna relates to the quality of the surrounding habitat with the weed fields having the poorest faunal assemblages. The coastal forest of West Harbour Esplanade showed the most developed ground invertebrate fauna as did the gumland areas. Where exotic trees were dominant, fauna quality decreased.

There were anomalies however, with several special and specialist species found throughout the park even in highly modified habitats. Some wood boring beetles were found which implies that there are enough mature native trees for them to bore into. An Aegialitinae beetle and Trogloneta spider not common in urban forest fragments were found on Moire Park. A large ground spider which lives under the bark of native trees was also found, a sign of a developing forest floor habitat.

All the streams surveyed in 1998 were found to have a range of aquatic species. The fauna was dominated by species tolerant of poor water quality and soft sediment streams, however there were also some species indicative of higher water and habitat quality. These were banded kokopu, caseless caddis fly and freshwater crayfish and shrimps. These species related to surrounding habitat quality. Many aquatic invertebrates rely on native leaf litter falling into the waterways as a food source. Native vegetation, which readily breaks down, has a higher nutrient value than exotic riparian vegetation.

However, given the high quality habitat in some areas more fish would have been expected. This supports the view above that stormwater culverts in the streams are limiting fish migration.

The bird fauna of Moire Park, West Harbour Esplanade and Manutewhau Walk is quite diverse with fantails, tuis, silvereyes, grey warblers, herons and kingfishers recorded. Provision for enhancement of fauna habitat through appropriate plant species and habitat facilities (ie. logs, leaf litter etc) in identified amenity/revegetation areas will improve the environment for birds and other native fauna such as insects and reptiles.

Reserve Management Plan Issues

- *Aquatic habitat value*
- *Fish passages*
- *Terrestrial habitat and ground layer value*
- *Weed control*
- *Habitat for a range of native fauna*

4.9. Facilities

There are two Council owned buildings on Moire Park, the hall and crèche on Moire Road, and two privately owned club buildings belonging to the Massey Rugby Club and the Athletic Club. The hall and crèche are currently situated on land designated as recreation reserve. This is not a suitable classification, with Local Purpose (Community Building) being more appropriate. As the other buildings are primarily

for sporting purposes, siting on a recreation reserve is appropriate. All of these groups are seeking an extension of their buildings.

Figure 5 Moire Community Hall and Creche



There is a building owned by Plunket situated on West Harbour Esplanade. There are no buildings on Manutewhau Walk or Manutewhau Reserve.

A community facility review is being undertaken of all council owned buildings to consider their use and management. Recommendations from this review will be implemented.

Public toilets are located near the Granville Road entrance to Moire Park. These are currently being upgraded and the toilets will be open to the public during the day. They are not in a highly visible site. They will also provide changing facilities for use during sporting events.

There is one large carpark at the Granville Road entrance to Moire Park. It is jointly maintained by the Waitakere City Council and the Massey Rugby Club. Proposed building extensions over the carpark would necessitate the construction of additional carparks between the rugby clubrooms and the athletic building. A lack of carparking leads to congestion on surrounding roads.

There are numerous tracks throughout the reserves of varying construction and maintenance standards. Some informal tracks have been made by the orienteering and harrier groups, which are based on Moire Park.

There are limited picnic tables and seats on Moire Park, with no furniture on the other reserves although some furniture is to be installed on Manutewhau Reserve. Vandalism of park furniture on Moire Park has occurred in the past.

Reserve Management Plan Issues

- *Use of buildings*
- *Maintenance of buildings*
- *Extension of buildings*
- *Classification of land containing buildings*

- *Public access to toilets*
- *Carparking*
- *Walkways and Tracks*
- *Provision of park furniture in safe locations*

4.10. Leases

Leases play an important role in the City Council's ability to regulate activities on reserves. There are four leases on Moire Park. There are no leases on Manutewhau Walk or Manutewhau Reserve. There is no lease for a Plunket building on West Harbour Esplanade.

Massey Rugby Union Football Club

The Massey Rugby Union Football Club Incorporated leases 1.2120 hectares of Moire Park for the purposes of furthering the sport of Rugby Union. The Massey Rugby Union Football Club also owns the clubrooms on this site. The lease is for 33 years from 1st January 1982. The lease states that no activities shall take place in the leased area or buildings before 7.30am Monday to Friday, or before 7.00am on Saturday or before 9.00am on Sundays and after 10.00pm Monday, 10.30pm Tuesday to Friday, 12.00pm on Saturday and 9.00pm on Sunday.

Moire Road Hall

A new lease to The Moire Road Society Incorporated covering the Council owned building on the Moire Road boundary of Moire Park, known as the hall, is currently being prepared. The lease will be from September 1999 until August 2004. The lease of the building is for the purposes of a community hall and for any other community activities.

Leataata O Le Lumanai Samoa Trust

A new lease to the Leataata O Le Lumanai Samoa Trust covering the Council owned building on the Moire Road boundary of Moire Park, known as the crèche, is currently being prepared. The lease will be from September 1999 until August 2004. The lease of the building is for the purposes of an early childhood education centre and for any other community activities. A resource consent is being sought to extend facilities to include additional play areas.

Tessa Burgess

Tessa Bugess leases 1.5 hectares of Moire Park, near the Royal Road entrance for the grazing of two horses. The lease, signed on 7 June 1996 was for six months and then on a monthly basis. A grazing lease is allowed on a local purpose reserve, but not a recreation reserve.

Athletic Club

A lease has not been entered into with the Athletic Club. There are two draft leases dated 1988 and 1994 but negotiations do not appear to have been concluded.

Plunket

A lease does not exist for this building.

Reserve Management Plan Issues

- *Ensure formal leases are in place for Plunket and Athletic Club*
- *Management of leases*
- *Enforcement of lease conditions*

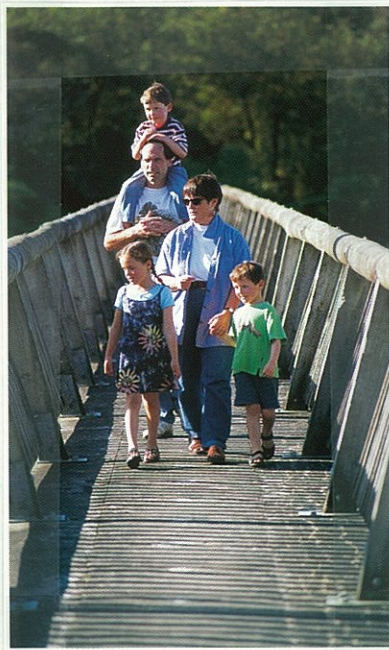
4.11. Access

There are many access ways into the three reserves. The main entrance and carpark into Moire Park is off Granville Drive. An internal road, locked except during sporting events, leads from here to the other vehicular entrance off Royal Road. Insufficient parking leads to parking on Granville Road, causing congestion problems. There is pedestrian access into Moire Park from Allington Road, Moire Road and across the Lawson's Creek footbridge from West Harbour Drive. There are numerous tracks through Moire Park, both formal and informal. There is a walkway into West Harbour Esplanade from Lorena Place, however there are no tracks through the esplanade. Manutewhau Walk is accessed from Moire Road, Oriel Avenue and Holmes Drive. There is a walking track through this reserve. There is an opportunity to enhance walkways to nearby schools, parks and residential areas. There is a lack of signage indicating walkways and park entrances. Manutewhau Reserve is accessed from Fresil Avenue.

Reserve Management Plan Issues

- *Entrances*
- *Carparks*
- *Parking on surrounding roads*
- *Tracks through reserves*
- *Signage*

Figure 6 Lawson's Creek Footbridge



4.12. Use

Moire Park is a large park that provides for a variety of recreation facilities for the local and wider community. There are five fields on Moire Park. In winter two sandcarpeted fields and a training field are used for rugby. In summer one field is used for athletics, two fields for kilikiti and all five fields used for touch rugby.

The athletic field has a running track, sprint track, long jump track and pit and a discus, shotput and javelin quadrant.

Rugby, touch rugby, cricket, athletics, orienteering, harriers, cross country, kilikiti and rugby league are all played on Moire Park. It is also used for one off sporting events such as the Pasifika games, a two weekend series of tag football, sevens rugby and kilikiti etc, held in early summer.

Moire Park is also extensively used for bush walking, picnicking, walking the dog, running and other passive activities and casual games. Moire Park is also illegally used for golf practice, although this is not allowed on this or any park.

There is a large playground on Moire park which caters for 0-12 year olds. There is also a small playground on West Harbour Esplanade. Stage 2 of this development includes a small stage, seating and viewing platform.

A playground and basketball half court are to be developed on Manutewhau Reserve.

There are no other youth facilities. Massey has been identified as lacking youth facilities, particularly skating facilities.

The Senior Citizens also use Moire Park and hold activities in the Rugby Clubrooms.

Reserve Management Plan Issues

- *Sportsfield quality and use – especially athletic track*
- *Passive and casual use*
- *Enforcement of Council Bylaws and policies*
- *Youth facilities*
- *Sun shelter for playgrounds*
- *Construction of Stage 2 of West Harbour Esplanade playground development*
- *Lease conditions allowing multi use of facilities*

Figure 7 Moire Park Playground



- Planting programmes in identified locations will utilise a range of appropriate native plants that will enhance habitat and promote further food sources for native fauna.
- To identify and protect scarce and locally uncommon plant species throughout the reserves.
- Detailed planting plans will be developed for any planting carried out within the reserves as part of Council records.

OBJECTIVE 3: To increase opportunities for people to enjoy nature on the reserves

Policies & Implementation

3.1 Facilitate public access along waterways

- Provision of safe walking tracks and passive amenity areas which do not compromise ecological values and which connect to a comprehensive walking network
- Planting and landscaping to be in accordance with guidelines within the Waitakere City Tree Planting Strategy

3.2 Increase public understanding of environmental values and processes

- Involve the local community in any restoration efforts, including planting and weed eradication working groups.
- Encourage stream ecology and restoration programmes with local schools, ensuring that projects are carried out in identified areas where minimal damage can occur.
- Provide signage to interpret natural values of the reserves and convey the importance of riparian and bush ecosystems and provision for signage to prevent inappropriate activity (rubbish dumping etc) within the sensitive vegetation areas.

3.3 Improve connectivity of pedestrian network with the local neighbourhood and within the reserves

- Pedestrian and wheelchair access to, and through, the reserve should be provided where natural values would not be adversely affected and where physical constraints on the site allow for it
- Upgrade all entrances to the reserves
- Investigate a further links across the Manutewhau Stream between Moire Park and West Harbour Drive and Oriel Avenue to Fresil Avenue

3.4 Provide for passive recreation opportunities

- Ensure appropriate location of park furniture (seats and picnic tables)
- Provide specimen shade trees for picnic areas

1.3 Improve the quality of open space for passive or casual recreational use

- Provide appropriate park furniture including additional litterbins, seats and appropriate signage in highly visible areas
- Provide picnicking facilities including tables and a barbeque
- Ongoing beautification of the reserves and bush track along Moire Park and Manutewhau Walk
- Provide dog litter bins through Moire Park

1.4 Provide appropriate access to the park for all groups including those with limited mobility

- Enhance entrances to reserves, including alteration to car park design and additional on site car parking
- Provide adequate car parking to meet the off-street parking requirements of the reserves in accordance with Roading and Traffic carparking standards.
- Provide additional, linked sealed carparking between Rugby clubrooms and Athletic club house, whilst allowing the Athletic Club to mark off athletic parking for athletic events
- Provide appropriate hard surface car parking along Granville Drive within the grass berm of the road.

1.5 Public toilet facilities

- Ensure sufficient public toilets are open to the public during the day

OBJECTIVE 2: To extend, protect and enhance where appropriate, natural ecosystems on the reserves
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Policies & Implementation

2.1 Restore the life sustaining capabilities of Lawson's Creek, the Manutewhau Streams and its tributaries

- Regular monitoring to determine the ecological 'health' of the streams associated with these reserves
- Continued development of riparian vegetation along the Manutewhau streams and stormwater ponds to prevent erosion, decrease flooding and improve water quality
- Identify any blockages to the access of fish species to the streams as they run through the reserves and remediate where possible
- Research options to utilise biofilters and litter traps at strategic locations along the Manutewhau stream to trap sediments and road run-off pollutants, improve water quality and diversify habitat value.

2.2 Extend Green Network linkages with other existing natural areas

- All natural habitats and ecosystems are to be identified, protected, restored and enhanced in order to increase the native biological diversity of the reserves
- Enhance a bush corridor along the entire length of the Manutewhau stream
- Use of locally sourced native plantings in landscape plans, sited in a way that facilitates natural re-vegetation
- Prioritise weeds and animal pests for removal and control or, where possible, eradication

5.0 MANAGEMENT OBJECTIVES AND POLICIES

VISION STATEMENT

The Moire Park Reserve Management Plan will provide for the enjoyment of sporting, recreational and environmental opportunities for the local and wider community in a manner which is in keeping with the existing character of the area and within the capabilities of its natural resources.

OBJECTIVE 1: To increase the use and enjoyment of the reserves

Policies & Implementation

1.1 Provide a safe environment for park users

- Implement "Safer Design for the Green Network: Design Guidelines" to ensure that buildings, facilities and plantings are designed and maintained in a way that minimises safety concerns and maximises surveillance
- Assess lighting requirements and install around car parking areas and key entrance areas if required
- Provide a pedestrian access into Moire Park from Granville Drive which is separated from the vehicle accessway
- All play equipment shall be maintained in accordance with NZS 5828 and Council Safety Standards and all buildings and structures shall comply with the Building Code
- Assess and implement safety measures at stormwater ponds according to Pond Safety Guidelines
- Ensure walking tracks are well maintained
- Allow sun shelters to be constructed above all play areas
- Provision of shade by way of trees or other around sportsfields for spectators and participants in sporting events.

1.2 Provide facilities which present a diverse range of experiences and challenges for the public, especially for youth, older people and women

- Provide signage identifying the facilities and track network at various locations in the reserves
- Give emphasis to the provision of basketball half courts, netball hoops and tennis walls
- Construct walkways which can also accommodate skating and biking
- Seal internal road and allow for skating and biking
- Ensure leases on Moire Park provide for community use and well-being with reviews to ensure maximum potential of the park is realised for the community
- Construct Stage 2 of West Harbour Esplanade playground development
- Monitor construction of playground at Manutewhau Reserve

OBJECTIVE 4: To sustainably manage the reserves as part of the wider landscape

Policies & Implementation

4. 1 No additional buildings will be built on West Harbour Esplanade, Manutewhau Walk or Manutewhau Reserve

4. 2 Promote energy efficiency

- Explore options for energy efficient lighting
- Provide automated timing devices for lighting associated with night-time use of community centres
- Explore options for use of solar power energy in buildings in association with the Community Buildings

4. 3 Provide for the re-use and recycling of water on the reserves

- Use of water saving devices in public toilets
- Investigate other options for conserving water used in association with the Community Buildings

4. 4 Use of appropriate design guidelines and building materials

- Utilise permeable and semi-permeable paving options wherever possible (ie. for pathways or car parking areas) so as to reduce the quantity of stormwater entering the stream and reduce flooding potential (plus improve quality of water entering streams)
- The Design of park furniture should be in accordance with Council's *Parks Design Guidelines*.
- Appropriate signage should be provided and, wherever possible, amalgamated onto one board, which conforms to Council standards.

4. 5 Appropriate and integrated management of stormwater

- Ensure management of the reserves is in conjunction with relevant stormwater catchment management
- Implement low impact filtering devices (eg. Soak holes, artificial wetlands, riparian planting and swales) where appropriate to minimise effects of stormwater discharging into streams
- Ensure safety guidelines are met around stormwater detention ponds
- Planted wetland vegetation should be sourced from local seed wherever possible and species should reflect natural wetland plant associations of the area.

4. 6 Provide access to public transport routes

- Promote pedestrian/bike linkages to other reserves within the local area and major transport routes
- Develop walkways which contribute to the Waitakere Integrated Transport Strategy and encourage day-time pedestrian access through and to the park

4.7 Manage natural areas in the context of the Green Network

- Continue to advocate restoration on adjacent properties through the Non-regulatory Incentive program which provides assistance to landowners who are actively restoring their properties (especially where major weed sources along riparian margins are not on Council-owned land)

OBJECTIVE 5: To increase the use, range and quality of sports facilities on Moire Park

Policies & Implementation

5.1 Increase the quality of sporting facilities

- Maintain the use of Moire Park as an active sports park
- Upgrade the Athletic track on Moire Park
- Maintain key bush tracks
- Upgrade playground facilities and skate ramps
- Provide junior athletic facilities including long jump, sprint track, discus and shot put circles adjacent to existing long jump facility.
- Provide a cross country/steeplechase water jump at the northern end of the athletic track, appropriately integrated with the surrounding landscape.

5.2 Increase the range of sporting facilities

- Emphasis to be given to providing for a range of informal recreation on reserves
- Use of the fields at Moire Park for Kilikiti and Touch to be encouraged
- Encourage use of the reserves for a variety of casual and informal sports
- Emphasis to be given to the development of recreational opportunities for youth ie. provision for basketball half court and tennis wall
- Seal the internal road to allow for skating and biking use

5.3 Increase the use of sporting facilities

- Clubs are encouraged to enter into joint arrangements to enable the efficient use of facilities by a range of groups to include youth, older people, women and all cultures
- Allow some extension of Athletic clubhouse to incorporate equipment storage area
- Allow some extension of Rugby clubroom to provide accommodation for on site caretaker
- Provision is made for lighting of the athletic track and field. This facility would need to be funded independently by the clubs/groups wanting the lighting.

OBJECTIVE 6: To protect the heritage values within the reserves

Policies & Implementation

6.1 Planting should reflect and enhance local heritage themes

- Plant specimen trees which are relevant to the local area

6.2 Provide interpretative material about heritage features of the reserves

- Appropriate design of signs and information panels
 - Provide information on the historical development of the parks and the naming of the reserves and local streams
 - Encourage the use of art and sculpture to promote heritage themes
- 6.3 Protect existing heritage trees**
- Identification of heritage eucalyptus trees within the park and provide for necessary arboricultural work to ensure their retention and continuing health.

OBJECTIVE 7: To work in partnership with iwi on the management of sites of significance on the reserves
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Policies & Implementation

7.1 Recognise and provide for the mauri of any site or place of significance associated with these reserves

- Liase with iwi to identify sites and areas on the reserve that are of significance
- Liase with iwi over environmental and heritage protection and enhancement
- Restore the stability, structure, water quality and habitat value of the three streams which pass through these reserves

7.2 Provide for traditional use of native flora

- Planting programmes to include the use of plants identified as being valuable for medicinal, cultural, weaving and crafts purposes
- Any cultural harvesting of plants must be consistent with the draft Cultural Harvesting Protocols

7.3 Involve iwi in the design and management of reserves

- Consult with iwi in the design and management of the reserves
- Consult iwi over management of identified archaeological sites

OBJECTIVE 8: To involve communities in the design and management of the reserves

Policies & Implementation

8.1 Involve local communities in design and management of reserves

- Invite local schools and the community to participate in weeding/planting days, and the design and construction of any art works on the reserve
- Encourage community involvement in Green Network management
- Encourage public submissions on the Draft Reserve Management Plan for Moire Park, West Harbour Esplanade, Manutewhau Walk and Manutewhau Reserve and ensure information needs are met
- Encourage surveillance of the reserves by the construction of semi-permeable fences on neighbouring properties
- Work with key stakeholders and leasees to enhance safe recreational opportunities on the park
- Encourage sense of ownership and responsibility for the parks by local residents

- Encourage frequent use of the park for formal and informal activities, such as Sport Waitakere events
- Encourage and support the establishment of a community group 'Friends of Moire Park'.

OBJECTIVE 9: To improve the management and administration of the reserves
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Policies & Implementation

9.1 Management and maintenance of reserves to be in accordance with Council Bylaws and agreed contractual standards and performance measures

- Appropriate contract supervision for maintenance/construction contracts to ensure standards are maintained
- Enforce Council By-laws particularly restriction on horses and mountain bikes in bush areas and golf practice on sportsfields

9.2 Ensure the reserves are managed in terms of their reserve classifications for the enjoyment and use of the local and regional community, now and in the future

- Manage all reserves within one Management Plan, increase the connectivity between these reserve areas and the surrounding neighbourhood and maximise opportunities for restoration
- Manage Moire Park as a citywide park with a range of active sporting, casual recreation and environmental opportunities
- Manage Manutewhau Walk and West Harbour Esplanade as citywide parks with an environmental focus
- Manage Manutewhau Reserve as a neighbourhood park with a playground for young children
- Include local schools and key user groups in the management of the reserves to improve their sense of ownership of these areas
- Encourage sports clubs and lessees to combine or share facilities
- Classify the building footprints of the two community buildings on the reserves as Local Purpose (Community Building) under the Reserves Act
- Classify West Harbour Esplanade as Scenic Reserve under the Reserves Act
- Allow for an on-site caretaker within one of the existing community buildings on the park if instigated by the community groups utilising the park.

9.3 Manage leases according to the Reserves Act, Community Assistance Policy and existing lease agreements

- Ensure current leases are in place for all existing users
- Monitor lease conditions
- New lease applications shall meet the criteria as set out in the Community Assistance Policy and provide for community use and wellbeing
- Encourage the multiple use of community facilities in accordance with the Community Assistance Policy
- Classify the area of land on which the Moire Park Hall and crèche and the West Harbour Barnado building are situated as Local Purpose (Community Building) not recreation reserve

9.4 Ensure that leases, particularly those for commercial operations, be provided only where they add value to the reserves

- Allow for commercial ventures in conjunction with reserves or activities on reserves, where such ventures will not compromise community access to reserves or have any deleterious environmental effects eg. use of field by carpark for sale of products related to Green Network or Wellbeing Goals (nursery plants, recycled products, sunscreen, coffee, icecream)

9.5 Ensure that the Council owned buildings are managed according to the outcome of the Community Facilities Review

- Incorporate recommendations of the Community Facilities Review into the final management plan
- Support extension of crèche lease to allow for outdoor play facilities and veranda

9.6 Liase with Ministry of Education over undeveloped land neighbouring Moire Park

- Investigate possibilities associated with the undeveloped Ministry of Education land neighbouring Moire Park
- Advocate acquiring or using land adjoining Moire Park if it becomes available
- Ensure development on Moire Park allows for any future integration with adjoining land

6.0 DEVELOPMENT PLAN

- 1. Manutewhau Walk – Mobile library (Plan insert)**
 - Provide seating for mobile library
 - Provide signage for reserve entry to Manutewhau walk
- 2. Link to subdivision**
 - No existing link between Manutewhau Walk and new subdivision
 - Explore potential pedestrian bridge to adjacent subdivision
 - Integrate signage for bridge connection with bush entrance signage
- 3. Manutewhau Reserve**
 - Improve road frontage and street appearance, considerations include specimen tree planting, post and rail fence similar to West Harbour Esplanade Reserve
 - Upgrade signage to be more visible and informative of overall path and reserve links
 - Key entrance theme planting eg groups of cabbage trees, liquidambers, kauri trees
 - Create waiting area opposite school eg seating, tables, shade etc
 - Denote path route with planting at entrance
- 4. Manutewhau Walk**
 - Create planted buffer between edge of bush and grassed bank to help soften bush edge and reduce potential weed invasion eg cabbage trees and flax
 - Soften residential boundary by introducing medium and small scale deciduous trees along the grassed bank
 - Investigate the potential of introducing long term canopy species into the bush area
 - Plant slopes between residential boundary and bush which exceed mowable grass grade
 - Carry out weed removal as necessary
- 5. Moire Road – entry to Manutewhau walk**
 - Reduce effect of hard edge between open lawn areas and dense bush
 - At present there is no indication of location and direction of path into the bush, the entry point is unclear. Entrance needs clear signage and mapping information
 - Plant grassed bank with specimen theme trees eg liquidamber
 - Provide a strong link with the opposite Moire Park entrance
 - Strengthen presence of walk / reserve from road such as bollard and chain fence to match reserve opposite
 - Upgrade gravel pathway to define the entrance into the bush. Widen the bush entry and formalise with signage
 - Repeat planting theme from the reserve entrance opposite
- 6. Community Hall / Creche**
 - Entrance is confusing at present and has little appeal from the road
 - Consider upgrading the existing gravel carpark – upgrade and formalise
 - Consider an upgrade of the current building facilities eg repaint verandah extension and address exterior condition
 - Include specimen tree planting on grassed areas to reflect bank on opposite side of the road

7. Moire Park

- There are two pathway systems from this entrance which are not well defined, signage is minimal and / or hidden behind planting
- Path system to be formalised and strengthened with interpretive map information for each entrance. Eg path one inland track path two stream side track
- The current planting provides a good buffer to the lawn area and should set the theme for other entrances. Groups of cabbage trees and tree ferns are key species.
- Build on 'Trees for Babies' planting at entry.

8. Concrete Structure

- An existing concrete structure across the stream appears to be a popular play area for children due to ease of access
- One seat is provided – not well integrated with the existing path
- Provide more seating, signage and long term native species planting
- Integrate signage adjacent to path junction
- Identify dominant path, perhaps theme planting to designate path eg flax
- Upgrade and repair concrete structure associated with sewer
- Assess suitability for track link to West Harbour Drive

9. Barnados

- This is not identified as public land, has a private appearance
- A steep bank from the rear of the property heads down toward the stream
- No existing path into walk
- Potential to develop boundary planting with theme species
- Assess and monitor condition of pine trees

10. Cascades - picnic area

- Define track and area of bush, clearing for picnic facilities – weed removal is required
- Plant key specimen trees for shade and to denote picnic area
- Plant for bank stabilisation (current erosion occurring), and define access to the waterhole
- Buffer planting required to reduce weed invasion along bush fringe
- Remove all existing vandalised facilities, replace with upgraded picnic facilities if vandalism decreases.

11. Stream Crossing

- Existing stream junction – small bridge provides crossing
- Encourage fish access through culver

12. Athletic Field

- A defined and strengthened link between rugby club and athletic club sportfields is required, build on the existing bridge and pathway connections
- This is the location for Kilikiti and other Pacific festivals. Provide seating, shade, path access, litter bins etc
- The existing bridge is in good condition, there is the potential to repeat this at the second stream crossing
- Additional junior athletics facilities provided adjacent to existing long jump.
- Cross country water jump provided to north of track.

13. Link to Athletic Club

- The existing gravel path is poorly defined, access to the athletic club requires upgrade and improvement
- Allow for building expansion incorporating equipment storage area.

14. Amphitheatre

- The existing sloping bank has potential to be developed as an informal amphitheatre for viewing of sporting events and festivals
- Proposed boundary treatment includes planting of shade trees such as liquidamber
- Large scale specimen tree planting is proposed to eventually replace existing tall pines

15. Athletic Club Carpark

- Current carpark requires upgrade
- Entrance requires better definition from the road including signage
- Improve and enhance street frontage with bollard and chain fence, street tree planting and signage
- Explore potential to extend carpark and link with existing rugby carpark.
- Incorporate long term planting along road frontage with earth bund to address noise in association with carpark development.
- Carpark provided along Granville Drive berm.

16. Path Linkage – Rugby Club

- Improve linkages between active recreation facilities
- Redefine reserve path and separate from the clubrooms

17. Bush track junction

- Potential opportunity for signage where paths converge or divide.
- Identify and define dominant path route
- Remove weeds along the edges of the tracks, and create planted buffer between track and bush edge where weed invasion is a problem e.g. flax
- Plant key tree species to serve as visual cues denoting track junctions.

18. Moire Park - entry to bush

- Extensive stands of mature maunuka and large pine trees close to the bush edge.
- Kauri trees have been recently planted at the entrance to the bush track. Provides a key planting theme which can be replicated at other entrances.
- There is currently no signage indicating the entrance or linkage to the overall path system. Clear signage and relevant information is required.
- The existing grove of liquidambers and informal driveway access provides a good opportunity for a picnic area. Potential for good facilities e.g. tables, seating etc.
- informal/ overflow carparking area should be expanded and formalised.

19. Liquidamber grove

- Grove of existing liquidamber specimen trees provides a key planting theme for other areas around the perimeter of the park.
- Reduces the affect of the abrupt edge to the bush and introduces an effective vegetation buffer between bush and active recreation areas.

20. Bush entrance

- Existing liquidamber specimens frame the track entrance
- Weed removal and low buffer planting are required around the bush fringe in this area. Acacia trees to be removed.

21. Training field - entry to bush reserve

- Training field is currently defined by vegetation
- Track entry into the bush is wide but not well defined. Opportunity for key specimen tree planting to denote entry to a main path linkage.
- Existing picnic table close to entrance. Opportunity for upgrading seating and picnic facilities and providing quality signage.
- Provide a walking track around the perimeter of the playing field linking track entrances and recreation areas.

22. Vehicular access to playing fields

- Existing historic specimen oak trees flanking one side of the driveway provide a key planting theme. Reinforce the entrance by extending the avenue of oaks out to the adjoining road.
- Remove weeds and large pines at entrance
- Provide key entry features e.g. upgrade gravel bridge and post and rail fence, provide signage.
- Plant bank along driveway under the oaks to reduce erosion
- Tidy up gravel road intersection. Address the option to asphalt the internal road.
- Develop seating opportunities along track

23. Toilets

- The existing toilets are proposed for upgrade
- Seal internal road incorporating swales to reduce dust nuisance and to facilitate recreational skating use
- Redevelop area around toilets to include formal carparking area and seating, soften area with planting
- Provide a link between the toilets and existing playground area
- Allow room for additional toilet facility as becomes necessary

24. Playground Area

- Recent installation of large playground is in an elevated position, incorporating a picnic area
- Additional seating (four seats is planned)
- Integrate and include play facilities within a defined area, consider events for a mix of ages. Potential expansion to include playground, swings, ½ basketball court with tennis wall, path linkages, park furniture, tree planting and earth mounding
- Link play facilities to toilets and other path connections whilst retaining high visibility
- Remove existing poor quality trees – eg bottle brush
- Allow for sun shelter over playground

25. Main Moire Park Entrance

- The existing entrance is poorly defined with inconsistent elements along the street frontage
- Existing planting includes acmena hedging, phoenix palms and groups of cabbage trees
- The existing signage is small and obscured, located back from the road
- Remove dense shrubs that obscure views into the park whilst maintaining noise and light buffer to adjacent residential area.
- Replace existing Acmena hedge with long term species
- Upgrade signage and develop to have a strong roadside presence
- Plant specimen theme trees such as liquidamber
- Provide separated and obvious pedestrian entrance

26. Rugby Club Carpark

- Rework layout of carpark to include tree and feature planting
- Continue driveway avenue planting
- Improve access to rugby clubrooms, remove and redefine cluttered raised planters
- Upgrade lighting

27. Steps to Rugby Club

- Upgrade steps and improve path linkages
- Improve legibility and coherence of path system, particularly in front of the clubrooms

28. Royal Road Entrance

- First section of road is sealed then the internal road reverts to gravel
- Investigate the potential of sealing the internal road with slow way treatment
- Replace existing post and rail fence with bollard and chain
- Upgrade the existing signage that is currently hidden behind planting
- Create a pedestrian entrance from the road, look at integrating with signage
- Improve boundary buffer, provide planting adjacent residential boundaries

29. Developed lease property

- Possible location for additional parking in leased property
- Develop leased area to include play and picnic facilities.
- Develop theme garden e.g. blind / rose / herb gardens
- Plant groves of medium scale shade trees associated with parking and picnic areas
- Provide path linkages to recreational areas

30. Allington Road Entrance

- Existing there is no street frontage or indication of reserve entrance, the existing path into the reserve is hidden within the dense bush foliage
- Create a strong presence from the road
- Provide signage at the road edge, include bollard and chain fence and specimen tree planting
- The existing path is narrow and overgrown. Redefine path and entrance, widen out and remove vegetation where overgrowing footpath.
- Provide path link to street front

- Provide buffer planting to adjacent residential boundary
- 31. Bridge Entry**
- Upgrade existing bridge and steps to reserve entrance
- 32. Bridge**
- The existing bridge across the stormwater pipe requires upgrade, remove vegetation that blocks current sightlines
 - Access is currently informal and in places awkward, along the grassed esplanade area adjacent residential boundary
 - Formalise pathways and signage to improve access and safety
 - Remove weeds
- 33. Track Junction**
- This is the location of the only orientation signage within the reserve
 - Signage requires upgrade to vandal proof signage e.g. single post
 - Key theme planting proposed at junction
- 34. Walkway**
- Informal grassed walkway leads to the existing bridge
 - At present there is no signage or indication of where this pathway leads
 - Buffer planting is proposed along the existing residential boundary edges
 - Key tree species are proposed on either side of the entry combined with signage
- 35. Lawsons Creek Bridge**
- Maximise views to and from bridge, prevent obscuring from planting
 - Carry out weed removal as required
 - Plant buffer zone of planting between grassed esplanade and native planting
 - Provide all- weather access to bridge
 - Investigate future pedestrian linkage to Realm Esplanade.
- 36. West Harbour Road Walkway**
- The existing path is steep and in disrepair
 - The approach to the bridge is awkward and the path turns at a sharp angle
 - Remove planting that obscures views, address long grass and weeds, plant where slopes are too steep to mow
 - There is no signage at the road front – provide interpretive signage
 - Provide post and rail fence to match other nearby reserve frontages
 - Key specimen trees are proposed to indicate the entrance
 - Weeds removal and buffer planting is proposed along residential fenced boundaries
 - Maximise views
 - Address access path, perhaps include series of steps
 - Address stormwater pipe leak and potential resulting erosion problems

37. West Harbour Road Playground

- This area has recently been developed to include playground, paths, seating, post and rail fence, bins and planting
- Mature manuka provide a backdrop to the existing mounding
- Due to site steepness there is no formal access down into the bush
- Open up views by removing acacias and other weeds
- Construct proposed stage 2 of playground development

APPENDIX A - ISSUES AND IDEAS RAISED AT PUBLIC MEETING AND IN SUBMISSIONS

Innovative park equipment could be made available for hire with the Council receiving a percentage of the profits.
More signage required.
More general awareness of rules & bylaws.
All local residents act as rangers.
Use at night – young people – creating noise/safety issues
Support for beautification projects
Security guard 10:00 pm – 1:00 am
Noise – complaints i.e. cars doing wheelies (gates would help prevent this problem).
Preventative measures
Graffiti, litter and broken glass not only unsightly but could be a safety issue.
More lighting, particularly around carparks
Clean up after games etc was a problem (user bond suggested, but possibly difficult to control).
Event procedures and hireage hours (i.e. Rugby Club must be vacated by 1pm, but no control over vacation of carpark).
No BBQs in or near the bush
Coin-operated gas BBQs were considered a good idea generally
Harriers – 150 kids on athletics tracks on Monday evenings (Massey /West Harbour).
Park generally undervalued by many local residents.
Rubbish from surrounding neighbours is thrown over fences directly onto the Park.
Track maintenance much reduced, especially since the PEP scheme was stopped.
School use – hire out building to schools suggested.
Carparks – touch – Kilikiti (Pacific Island cricket).
Lock / chain cut regularly on Athletics Club gate for car wheelies.
Parking on Granville Drive should be one side only (due to narrowness).
Need to look at moving the main entrance to Moire Rd or Royal Rd.
Hazards on tracks with fallen trees (should be removed).
Light on corner of field.
Netball on old Intermediate site.
Lock carparks at night (automated – can drive out but not in).
Passive use of the park could be increased.
Playground could be sited on Granville Drive.
Replanting important / wattle and pines were an issue for removal – (wattles have a tendency to fall over and crush the regeneration, and natives do not tend to grow under them).
Stop weed spread across stream into West Harbour.
Orienteers (unrestricted use of whole of park, as they like to explore areas with no tracks too).
Signage – walkway – vandal proofing (more rubbish bins required).
Stone signs could be used, or heavy wooden signs as in Totara Park (Manukau City).
Pukekura Park - an example of one of the best parks in New Zealand.
10 year vision (need to promote a “feel good” atmosphere for Moire Park, with perhaps a covered area for lunching under, enhancing the native bush, and taking pride in the park).
Youth area – netball (the demographics need to be looked into).
Activities for girls/teenagers in particular.
Skate facility – Massey youth pressure.
Need to be mindful of possible conflict with character of park.
Nearest Tennis courts at Belvedere.
Mountain biking conflicts with bush protection.

Motor biking / signage required to stop such activity.
Community pride → decrease vandalism.
People who care versus those who don't.
Accessibility of park from many entrance points allows children from outside the area to come in and do mischief.
Amenity planting / more shade trees would be good by the touch fields.
Looking after trees important, planting alone not sufficient (require 2-3 years maintenance).
Toilet access for longer hours.
Dog bins would be a good idea.
Eco loos, although expensive, suffer less vandalism.
Dog walking.
Track improvements required.
Social events – bonds required.
Ranger – supervision required.
Enforce ban on playing golf on park.
Patrol use of No.1 and No.2 field.

Appendix B Reserves Classifications

Moire Park has been classified as Recreation Reserve and Local Purpose (Accessway) Reserve under the Reserves Act 1977, Section 17. Recreation reserves are:

"for the purpose of providing areas for the recreation and sporting activities and the physical welfare and enjoyment of the public, and for the protection of the natural environment and beauty of the countryside, with emphasis on the retention of open spaces and on outdoor recreational activities, including recreational tracks in the countryside."

Local Purpose Reserves are:

"for the purpose of providing and retaining areas for such local purpose or purposes as are specified in any classification of the reserve"

every local purpose reserve shall be so administered and maintained under the appropriate provisions of this Act that--

(a) Where scenic, historic, archaeological, biological, or natural features are present on the reserve, those features shall be managed and protected to the extent compatible with the principal or primary purpose of the reserve:

(b) To the extent compatible with the principal or primary purpose of the reserve, its value as a soil, water, and forest conservation area shall be maintained.

Manutewhau Walk has been classified as Recreation Reserve under the Reserves Act 1977.

Manutewhau Reserve has been classified as Recreation Reserve under the Reserves Act 1977.

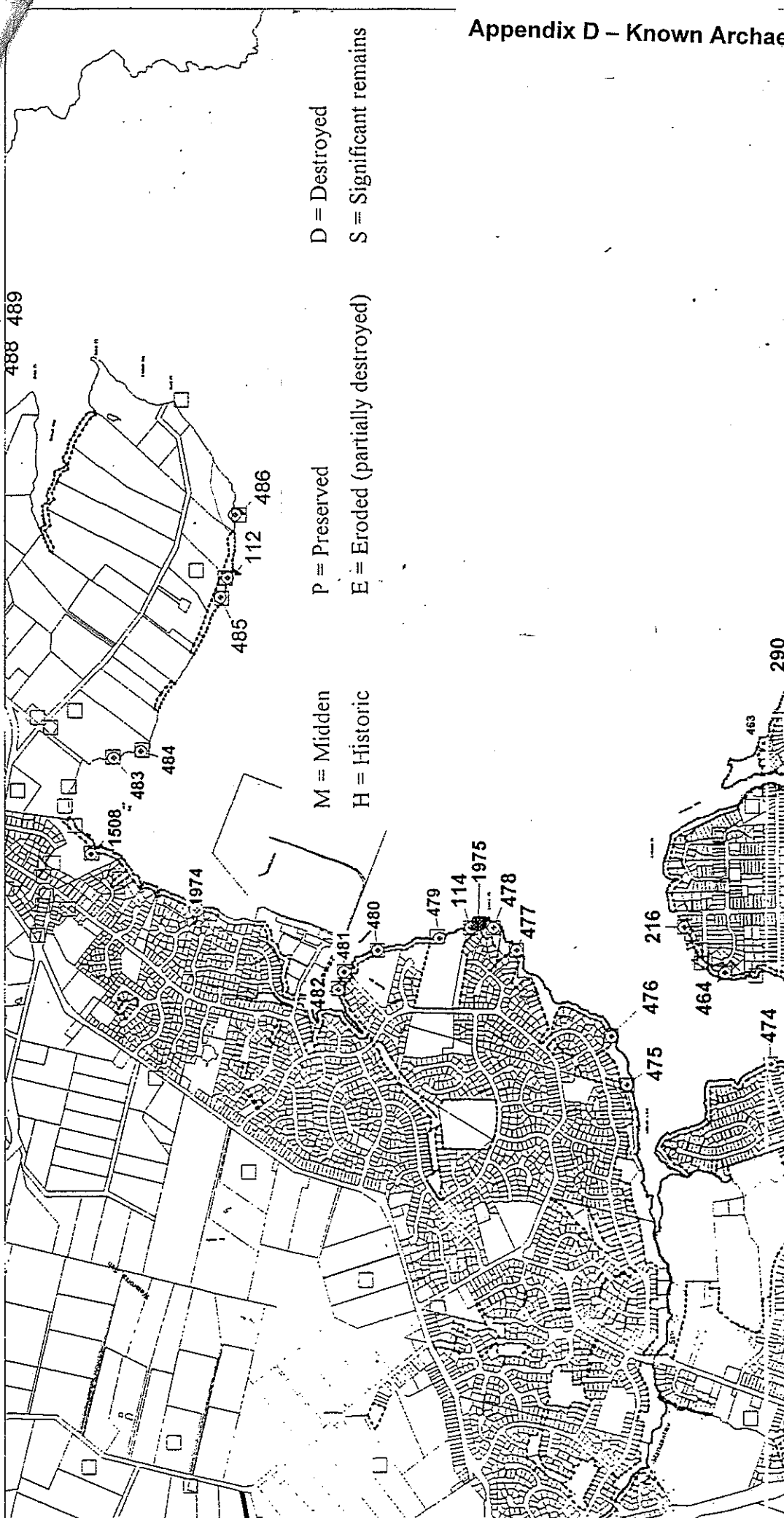
West Harbour Esplanade has been classified as Recreation Reserve and Local Purpose (Esplanade) Reserve under the Reserves Act 1977.

Appendix C – Titles

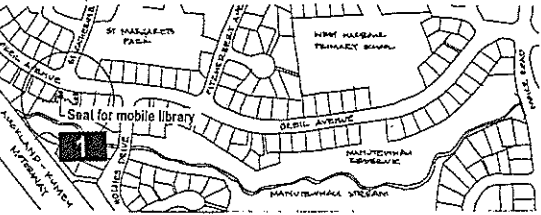
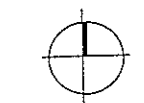
Lot	Size	Acquisition	Classification
Moire Park			
Lot 14 DP 1478	574m2	Taken under Public Works Act for secondary school	Recreation
Lot 17 DP 1468	506m2	Taken under Public Works Act for secondary school	Recreation
Allotments 650 & 651	13.6773ha	Public Works Act	Recreation
Lot 98 DP 73302	88m2	Developers Reserve Contribution	Local Purpose (accessway)
Part allotment 5A CT 61D/179	8.2480ha		Recreation
CT38D/275	5.3914ha	Purchased from Waitakere Properties for \$176,000	
Lot 240 DP 83561		State housing Reserve	Recreation
Lot 241 DP 83652	9669m2	State housing Reserve	Recreation
Lot 239 DP 83653	1.2751ha	State housing Reserve	Recreation
Lot 108 DP 84781	1.3882ha	Developers Reserve Contribution	Recreation
Lot 109 DP 84781	1.2120ha	Developers Reserve Contribution	Recreation
Lot 90 DP 97952	4135m2	Developers Reserve Contribution	Recreation
CT 67B/144	2.91ha	Purchased from Crown (previously held for primary school) for \$58,000	
Lot 91 DP 107099	4290m2	Developers Reserve Contribution	Recreation
West Harbour Esplanade			
Lot 234 DP84520	1.8240ha	Developers Reserve Contribution	Recreation
Lot 1 DP96511	1.3790ha	Developers Reserve Contribution	Recreation
Lot 2 DP96512	8470m2	Developers Reserve Contribution	Local Purpose (esplanade)
Lot 20 DP113197	961m2	Developers Reserve Contribution	Local Purpose (esplanade)
Lot 21 DP113197	1820m2	Developers Reserve Contribution	Recreation
Lot 2 DP126343	6016m2	Developers Reserve Contribution	Local Purpose (esplanade)
Lot 79 DP102998	1.1903ha	Developers Reserve Contribution	Local Purpose (esplanade)
Lot 185 DP131878	7813m2	Developers Reserve Contribution	Recreation

Lot 185 DP138942	4426m2	Developers Reserve Contribution	Recreation
Lot 1 DP99404	4500m2	Developers Reserve Contribution	Local Purpose (esplanade)
Lot 242 DP103862	5084m2	Developers Reserve Contribution	Recreation
Lot 240 DP103861	94m2	Developers Reserve Contribution	Recreation
Lot 239 DP103861	138m2	Developers Reserve Contribution	Recreation
Lot 241 DP103861	1037m2	Developers Reserve Contribution	Recreation
Lot 237 DP103860	164m2	Developers Reserve Contribution	Recreation
Lot 238 DP103860	2858m2	Developers Reserve Contribution	Recreation
Manutewhau Walk			
Lot 297 DP78481	4805m2	Developers Reserve Contribution	Recreation
Lot 299 DP78481	1040m2	Developers Reserve Contribution	Recreation
Lot 297 DP78482	9025m2	Developers Reserve Contribution	Recreation
Lot 336 DP88756	2.1852ha	State housing Reserve -	Recreation
Lot 42 DP87398	2940m2	Developers Reserve Contribution	Recreation
Lot 43 DP87399	2290m2	Developers Reserve Contribution	Recreation
Lot 44 DP87400	2940m2	Developers Reserve Contribution	Recreation
Manutewhau Reserve			
Lot 190 DP	7913m2	Developers Reserve Contribution	Recreation

Appendix D – Known Archaeological Sites



Park Name	Street Name	Suburb Name	State	Type	Site Number	Description
West Harbour Esplanade	West Harbour Terrace	West Harbour	D, E	M	R11/475-480/114/1975	This long foreshore reserve has limited access and dense vegetation. Sites R11/114, 475, 476, 477, 478 and 480 were relocated (479 not relocated, modification of the area could have destroyed this site). Most of 475 has been destroyed by development with only a remnant at the western end of the park. Similarly, there is only a remnant of 476. New site R11/1975 recorded on Luckens Point between sites 114 and 478 consists of two lens of midden 5m and a 2m lens exposed in track cutting.



- 1. Manutewhau Walk – Mobile library (Plan insert)**
- Provide seating for mobile library
 - Provide signage for reserve entry to Manutewhau walk

- 2. Link to subdivision**
- No existing link between Manutewhau Walk and new subdivision
 - Explore potential pedestrian bridge to adjacent subdivision
 - Integrate signage for bridge connection with bush entrance signage

- 3. Manutewhau Reserve**
- Improve road frontage and street appearance, considerations include specimen tree planting, post and rail fence similar to West Harbour Esplanade Reserve
 - Upgrade signage to be more visible and informative of overall path and reserve links
 - Key entrance theme planting eg groups of cabbage trees, liquidambar, kauri trees
 - Create waiting area opposite school eg seating, tables, shade etc
 - Denote path route with planting at entrance

- 4. Manutewhau Walk**
- Create planted buffer between edge of bush and grassed bank to help soften bush edge and reduce potential weed invasion eg cabbage trees and flax
 - Soften residential boundary by introducing medium and small scale deciduous trees along the grassed bank
 - Investigate the potential of introducing long term canopy species into the bush area
 - Plant slopes between residential boundary and bush which exceed movable grass grade
 - Carry out weed removal as necessary



- 5. Moire Road – entry to Manutewhau walk**
- Reduce effect of hard edge between open lawn areas and dense bush
 - At present there is no indication of location and direction of path into the bush, the entry point is unclear. Entrance needs clear signage and mapping information
 - Plant grassed bank with specimen theme trees eg liquidambar
 - Provide a strong link with the opposite Moire Park entrance
 - Strengthen presence of walk / reserve from road such as bollard and chain fence to match reserve opposite
 - Upgrade gravel pathway to define the entrance into the bush
 - Widen the bush entry and formalise with signage
 - Repeat planting theme from the reserve entrance opposite

Site title
MOIRE PARK

Job name
LANDSCAPE DEVELOPMENT CONCEPT PLAN

Job no.
1643

Scale
1:1500 @ A1

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Date
14/02/2000

Drawn by
V.A.

KEY

- Existing concrete path
- Existing bush track
- Proposed path link
- Existing bollard and chain fence
- Proposed bollard and chain fence
- Entrance

- S Signage
- P Pine tree removal
- W Weed removal
- C Car Park (Existing)
- CP Car Park (Potential)
- R Rubbish removal

6. Community Hall / Creche

- Entrance is confusing at present and has little appeal from the road
- Consider upgrading the existing gravel carpark – upgrade and formalise
- Consider an upgrade of the current building facilities eg repaint, verandah extension and address exterior condition
- Include specimen tree planting on grassed areas to reflect bank on opposite side of the road

7. Moire Park

- There are two pathway systems from this entrance which are not well defined, signage is minimal and / or hidden behind planting
- Path system to be formalised and strengthened with interpretive map information for each entrance. Eg path one inland track path two stream side track
- The current planting provides a good buffer to the lawn area and should set the theme for other entrances. Groups of cabbage trees and tree ferns are key species
- Build on 'Trees for Babies' planting at entry

8. Concrete Structure

- An existing concrete structure across the stream appears to be a popular play area for children due to ease of access
- One seat is provided – not well integrated with the existing path
- Provide more seating, signage and long term native species planting
- Integrate signage adjacent to path junction
- Identify dominant path, perhaps theme planting to designate path eg flax
- Upgrade and repair concrete structure associated with sewer
- Assess suitability for track link to West Harbour Drive

9. Barnados

- This is not identified as public land, has a private appearance
- A steep bank from the rear of the property heads down toward the stream
- No existing path into walk
- Potential to develop boundary planting with theme species
- Assess and monitor condition of pine trees

10. Cascades - picnic area

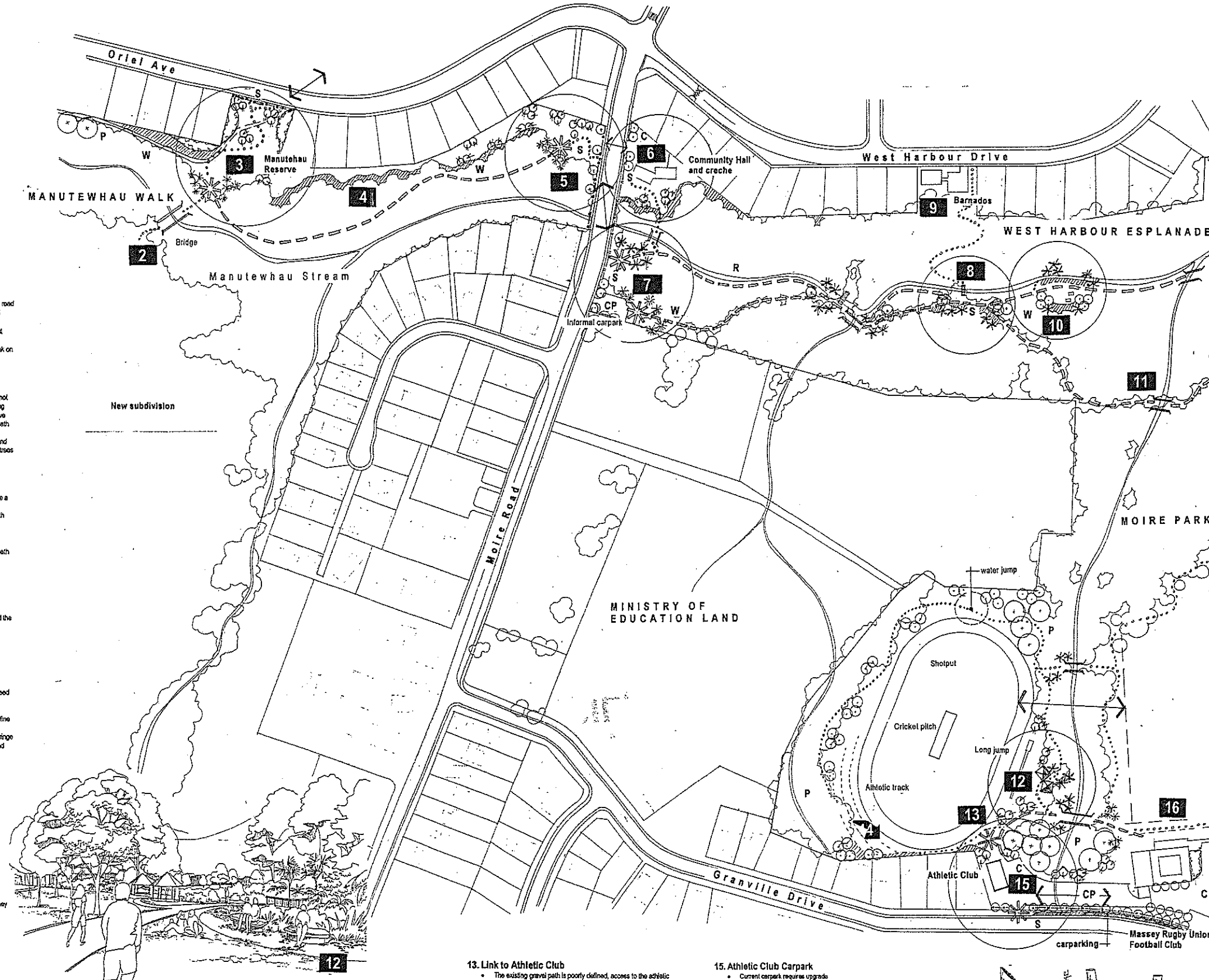
- Define track and area of bush, clearing for picnic facilities – weed removal is required
- Plant key specimen trees for shade and to denote picnic area
- Plant for bank stabilisation (current erosion occurring), and define access to the waterhole
- Buffer planting required to reduce weed invasion along bush fringe
- Remove all existing vandalised facilities, replace with upgraded picnic facilities if vandalism decreases

11. Stream Crossing

- Existing stream junction – small bridge provides crossing
- Encourage fish access through culvert

12. Athletic Field

- A defined and strengthened link between rugby club and athletic club sportsfields is required, build on the existing bridge and pathway connections
- This is the location for Kikiki and other Pacific festivals. Provide seating, shade, path access, litter bins etc
- The existing bridge is in good condition, there is the potential to repeat this at the second stream crossing
- Additional junior athletics facilities provided adjacent to existing long jump
- Cross country water jump provided to north of track



13. Link to Athletic Club

- The existing gravel path is poorly defined, access to the athletic club requires upgrade and improvement
- Allow for building expansion incorporating equipment storage area.

14. Amphitheatre

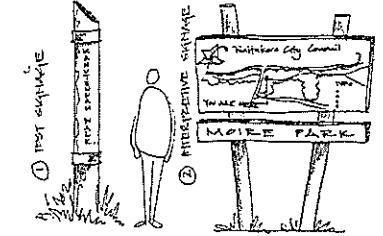
- The existing sloping bank has potential to be developed as an informal amphitheatre for viewing of sporting events and festivals
- Proposed boundary treatment includes planting of shade trees such as liquidambar
- Large scale specimen tree planting is proposed to eventually replace existing tall pines

15. Athletic Club Carpark

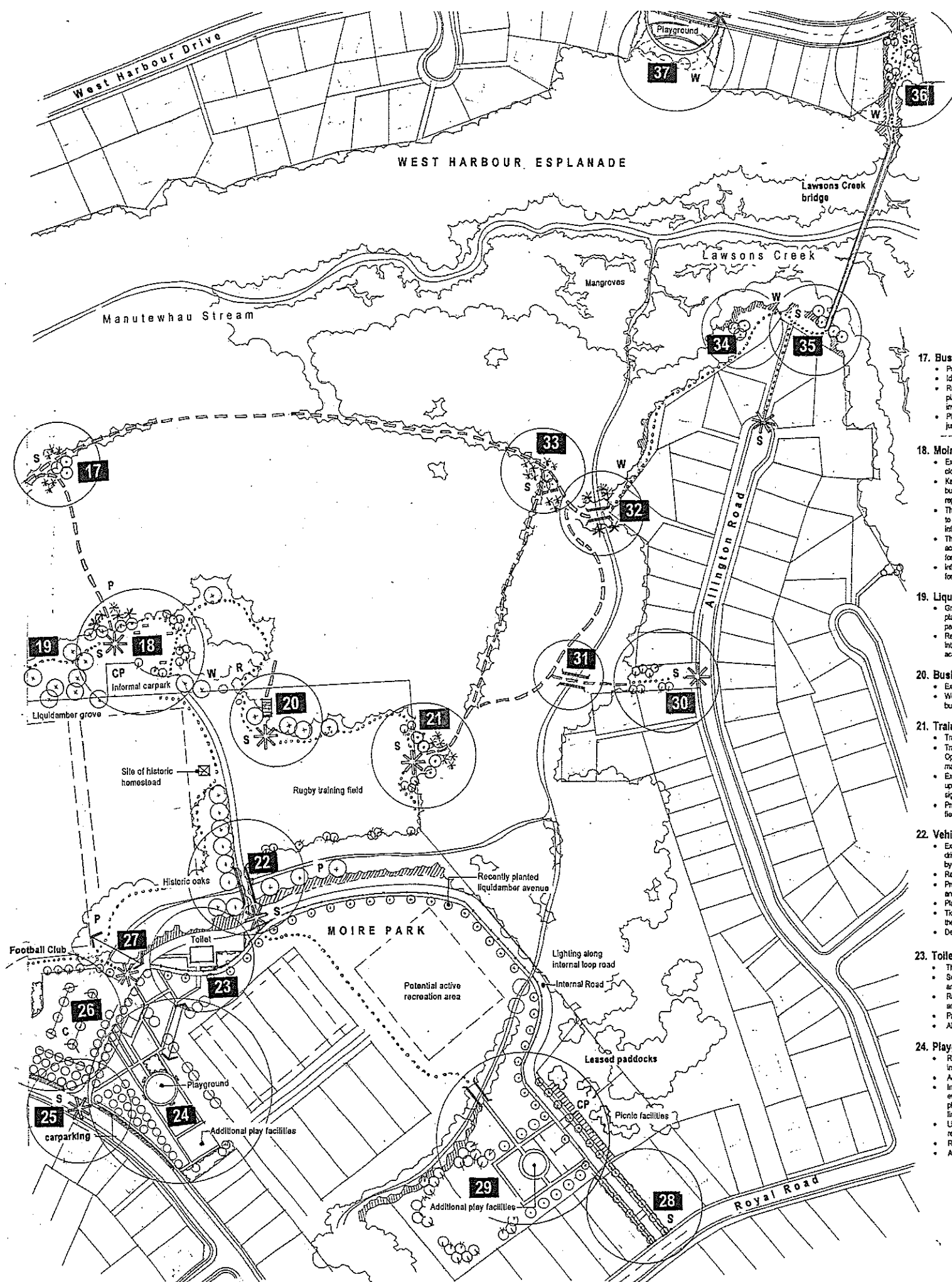
- Current carpark requires upgrade
- Entrance requires better definition from the road including signage
- Improve and enhance street frontage with bollard and chain fence, street tree planting and signage
- Explore potential to extend carpark and link with existing rugby carpark
- Incorporate long term planting along road frontage with earth bund to address noise in association with carpark development
- Carparking provided along Granville Drive berm

16. Path Linkage – Rugby Club

- Improve linkage between active recreation facilities
- Redefine reserve path and separate from the clubrooms



Moire Park
including Manutewhau Walk, Manutewhau Reserve and West Harbour Esplanade
LANDSCAPE DEVELOPMENT CONCEPT PLAN
FOR WAITAKERE CITY COUNCIL
JANUARY 2000



KEY

- | | | | |
|--|----------------------------------|--|----------------------|
| | Existing concrete path | | Signage |
| | Existing bush track | | Pine tree removal |
| | Proposed path link | | Weed removal |
| | Existing bollard and chain fence | | Car Park (Existing) |
| | Proposed bollard and chain fence | | Car Park (Potential) |
| | Entrance | | Rubbish removal |



17. Bush track junction

- Potential opportunity for signage where paths converge or divide.
- Identify and define dominant path route.
- Remove weeds along the edges of the tracks, and create planted buffer between track and bush edge where weed invasion is a problem e.g. flax.
- Plant key tree species to serve as visual cues denoting track junctions.

18. Moire Park - entry to bush

- Extensive stands of mature manuka and large pine trees close to the bush edge.
- Kauri trees have been recently planted at the entrance to the bush track. Provide a key planting theme which can be replicated at other entrances.
- There is currently no signage indicating the entrance or linkage to the overall path system. Clear signage and relevant information is required.
- The existing grove of liquidambar and informal driveway access provides a good opportunity for a picnic area. Potential for good facilities e.g. tables, seating etc.
- Informal overflow carparking area should be expanded and formalised.

19. Liquidambar grove

- Grove of existing liquidambar specimen trees provides a key planting theme for other areas around the perimeter of the park.
- Reduces the effect of the abrupt edge to the bush and introduces an effective vegetation buffer between bush and active recreation areas.

20. Bush entrance

- Existing liquidambar specimens frame the track entrance.
- Weed removal and low buffer planting are required around the bush fringe in this area. Acacia trees to be removed.

21. Training field - entry to bush reserve

- Training field is currently defined by vegetation.
- Track entry into the bush is wide but not well defined. Opportunity for key specimen tree planting to denote entry to a main path linkage.
- Existing picnic table close to entrance. Opportunity for upgrading seating and picnic facilities and providing quality signage.
- Provide a walking track around the perimeter of the playing field linking track entrances and recreation areas.

22. Vehicular access to playing fields

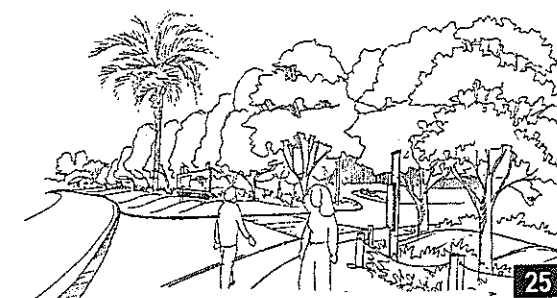
- Existing historic specimen oak trees flanking one side of the driveway provide a key planting theme. Reinforce the entrance by extending the avenue of oaks out to the adjoining road.
- Remove weeds and large pines at entrance.
- Provide key entry features e.g. upgrade gravel bridge and post and rail fence, provide signage.
- Plant bank along driveway under the oaks to reduce erosion.
- Tidy up gravel road intersection. Address the option to asphalt the internal road.
- Develop seating opportunities along track.

23. Toilets

- The existing toilets are proposed for upgrade.
- Seal internal road incorporating swales to reduce dust nuisance and to facilitate recreational skating use.
- Re-develop area around toilets to include formal carparking area and seating, soften area with planting.
- Provide a link between the toilets and existing playground area.
- Allow room for additional toilet facility as becomes necessary.

24. Playground Area

- Recent installation of large playground is in an elevated position, incorporating a picnic area.
- Additional seating (four seats) is planned.
- Integrate and include play facilities within a defined area, consider events for a mix of ages. Potential expansion to include playground, swings, 1/2 basketball court with tennis wall, path linkages, park furniture, tree planting and earth mounding.
- Link play facilities to toilets and other path connections whilst retaining high visibility.
- Remove existing poor quality trees - eg bottle brush.
- Allow for sun shelter over playground.



25. Main Moire Park Entrance

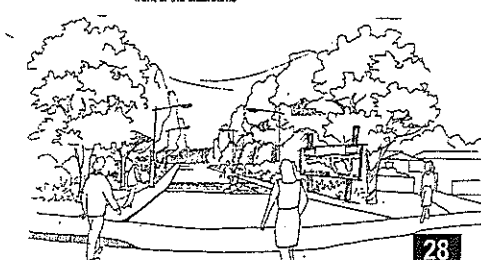
- The existing entrance is poorly defined with inconsistent elements along the street frontage.
- Existing planting includes acacia hedging, phoenix palms and groups of cabbage trees.
- The existing signage is small and obscured, located back from the road.
- Remove dense shrub that obscures views into the park whilst maintaining noise and light buffer to adjacent residential area.
- Replace existing Acacia hedges with long term species.
- Upgrade signage and develop to have a strong roadside presence.
- Plant specimen trees such as liquidambar.
- Provide separated and obvious pedestrian entrance.

26. Rugby Club Carpark

- Rework layout of carpark to include tree and feature planting.
- Continue driveway avenue planting.
- Improve access to rugby clubrooms, remove and redefine cluttered raised planters.
- Upgrade lighting.

27. Steps to Rugby Club

- Upgrade steps and improve path linkages.
- Improve legibility and coherence of path system, particularly in front of the clubrooms.



28. Royal Road Entrance

- First section of road is sealed then the internal road reverts to gravel.
- Investigate the potential of sealing the internal road with slow way treatment.
- Replace existing post and rail fence with bollard and chain.
- Upgrade the existing signage that is currently hidden behind planting.
- Create a pedestrian entrance from the road, look at integrating with signage.
- Improve boundary buffer, provide planting adjacent residential boundaries.

29. Developed lease property

- Possible location for additional parking in/leased property.
- Develop leased area to include play and picnic facilities.
- Develop theme gardens e.g. blind / rose / herb gardens.
- Plant groves of medium scale shade trees associated with parking and picnic areas.
- Provide path linkages to recreational areas.

30. Allington Road Entrance

- Existing there is no street frontage or indication of reserve entrance, the existing path into the reserve is hidden within the dense bush foliage.
- Create a strong presence from the road.
- Provide signage at the road edge, include bollard and chain fence and specimen tree planting.
- The existing path is narrow and overgrown. Redefine path and entrance, widen out and remove vegetation where overgrowing footpaths.
- Provide path link to street front.
- Provide buffer planting to adjacent residential boundary.

31. Bridge Entry

- Upgrade existing bridge and steps to reserve entrance.

32. Bridge

- The existing bridge across the stormwater pipe requires upgrade, remove vegetation that blocks current sightlines.
- Access is currently informal and in places awkward, along the grassed esplanade area adjacent residential boundary.
- Formalise pathways and signage to improve access and safety.
- Remove weeds.

33. Track Junction

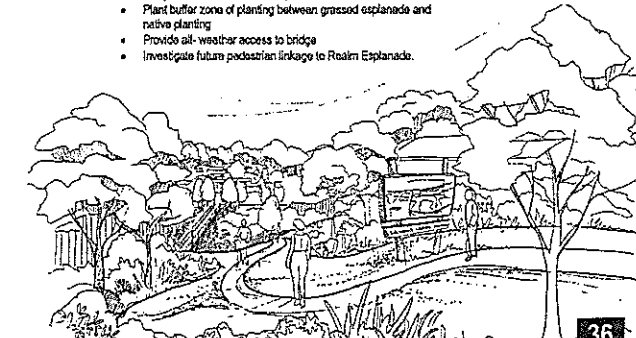
- This is the location of the only orientation signage within the reserve.
- Signage requires upgrade to vandal proof signage e.g. single post.
- Key theme planting proposed at junction.

34. Walkway

- Informal grassed walkway leads to the existing bridge.
- At present there is no signage or indication of where this pathway leads.
- Buffer planting is proposed along the existing residential boundary edge.
- Key tree species are proposed on either side of the entry combined with signage.

35. Lawsons Creek Bridge

- Maximise views to and from bridge, prevent obscuring from planting.
- Carry out weed removal as required.
- Plant buffer zone of planting between grassed esplanade and native planting.
- Provide all-weather access to bridge.
- Investigate future pedestrian linkage to Realm Esplanade.



36. West Harbour Road Walkway

- The existing path is steep and in disrepair.
- The approach to the bridge is awkward and the path turns at a sharp angle.
- Remove planting that obscures views, address long grass and weeds, plant where slopes are too steep to mow.
- There is no signage at the road front - provide interpretive signage.
- Provide post and rail fence to match other nearby reserve frontages.
- Key specimen trees are proposed to indicate the entrance.
- Weeds removal and buffer planting is proposed along residential fenced boundaries.
- Maximise views.
- Address access path, perhaps include series of steps.
- Address stormwater pipe leak and potential resulting erosion problems.

37. West Harbour Road Playground

- This area has recently been developed to include playground, paths, seating, post and rail fence, bins and planting.
- Mature manuka provide a backdrop to the existing mounding.
- Due to site steepness there is no formal access down into the bush.
- Open up views by removing acacias and other weeds.
- Construct proposed Stage 2 of playground development.

Moire Park

including Manutewhau Walk, Manutewhau Reserve and West Harbour Esplanade

LANDSCAPE DEVELOPMENT CONCEPT PLAN

FOR WAITAKERE CITY COUNCIL

JANUARY 2000

Sheet title
MOIRE PARK
 Job name
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