



**COASTAL MANAGEMENT PLAN
McWILLIAM PARK
TUROSS HEAD**

PREPARED BY
DUAL DESIGN
MORUYA
FOR
TUROSS LAKES PRESERVATION GROUP INC.
1998
ADOPTED WITH AMENDMENTS BY EUROBODALLA SHIRE COUNCIL
23RD MARCH 1999

COASTAL MANAGEMENT PLAN McWILLIAM PARK TUROSS HEAD

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1. INTRODUCTION

McWilliam Park is a 15.88ha parcel of land situated between Tuross Boulevard and the Pacific Ocean in the township of Tuross Head. The land is owned by Eurobodalla Shire Council and is described as Community Land, Property # 6022.2050, Lot 1, DP 569490 it is zoned 6a1 Public Open Space.

This land was dedicated to Eurobodalla Shire Council by Hector McWilliam in 1960 for the purposes of preserving plant and bird life and providing a place for public recreation in Tuross Head. Hector McWilliam was also responsible for planting large numbers of Norfolk Island Pine trees in and around Tuross Head that give the township its present character. Through this act of goodwill Hector McWilliam not only provided this Park and others for future generations to enjoy, he had also ensured the preservation of valuable foreshore and Dunal Forest environments both as habitat for Fauna and as a living record of our dwindling coastal ecosystems. The fact that this Park is immediately adjacent to an urban area further adds to its importance and vulnerability in regard to urban wildlife corridors and providing a high quality natural recreation experience for nearby urban dwellers.

Currently McWilliam Park is undergoing a variety of internal and external development and use pressures brought on by increasing visitor numbers and changes in the number and demographic of the local population base. These include...

- ~ cycle / walkway
- ~ Memorial gardens
- ~ informal vehicular parking
- ~ Tuross Head Lookout
- ~ uncontrolled pedestrian access
- ~ weed infestation
- ~ new shopping centre complex
- ~ stormwater runoff
- ~ sewerage system overflow

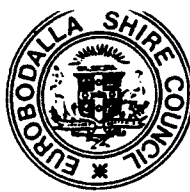
The Coastal Management Plan is intended to assess the existing condition of the site including current and proposed developments and where appropriate provide cohesive forward planning and management guidelines in conjunction with an overall site Masterplan outlining appropriate future development and conservation.



ONE TREE BEACH LOOKING NORTH



TUROSS HEAD ONE TREE POINT



**COASTAL MANAGEMENT PLAN
McWILLIAM PARK, TUROSS HEAD, N.S.W.**



LANDSCAPE PLANNING CONSULTANT'S BRIEF:-

A. INTRODUCTION

Tuross Lakes Preservation Group Inc., (TLPG) has received a Coastcare grant which is to be used, together with funding from Eurobodalla Shire Council and in-kind contributions from TLPG and the community, to engage a Consultant to prepare a Coastal Management Plan for McWilliam Park which is an ocean foreshore reserve at Tuross Head, NSW.

B. OBJECTIVES:

1. To provide a Draft Coastal Management Plan for McWilliam Park for public exhibition so that consideration can be given to long-term effect of current Council and community projects and any others being proposed and, if appropriate, some options on their extent and direction.
2. To provide a Final Plan for adoption by Council, with detailed plans of any new works, prioritized costings programme and management guidelines.

C. EXPECTED OUTCOME:

This Plan will be specifically designed for this reserve, to provide cohesive forward planning and management guidelines, including requirements under Council's generic Plan of Management for Developed Reserves and Facilities (Edition 2) for Community Land (listed as Council Property No. 6022.2050, Lot 1, DP 569490 and zoned 6a1 Public Open Space under the Draft Urban Local Environmental Plan). Development of this Plan can be used as an example of community involvement for other coastal areas.

D. ROLE of TUROSS LAKES PRESERVATION GROUP INC.:

TLPG will act as Coordinator for the project as follows:-

1. In conjunction with Council: Develop Consultant's brief, advertise for quotations and select those appropriate for interviews.
2. Organize initial meeting on site between Consultant, Council and TLPG.
3. Organize meetings between Consultant & Memorial Gardens Committee, Cycle/Walkway Committee (Tuross Head Progress Assoc.) & other groups coming forward with specific proposals.
4. Provide research material on local history, culture, environmental factors, etc. to Consultant.
5. Organize meeting between Consultant and Council staff prior to Draft Plan being completed.
6. Arrange presentation of Draft Plan to Councillors & Council staff prior to its public exhibition.
7. Organize publicity to invite submissions on the Draft Plan from interested parties.
8. Work with Consultant on any amendments to the Plan and arrange presentation to Councillors and Council staff, for adoption of the Final Plan.

continued....

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Consultant's Brief, continued....

E. MATTERS TO BE CONSIDERED:

1. Community Group Projects on this Reserve:-

- a) TLPG has carried out extensive dunecare work on One Tree Beach at southern end and on Coila Bar/Beach adjoining northern end of the reserve. The Group proposes a future project at One Tree Pt. area entailing landscaping around car park with native coastal shrubs and interpretive signage re Aboriginal and European heritage of the area. It also wishes to carry out other dunecare works and ensure that dunal forests are maintained.
 - b) Memorial Gardens Committee - An Anzac memorial rock cairn had been erected at northern end of Norfolk Island pine plantation, Tarandore Pt. some years ago. Near this cairn the Memorial Gardens Committee has now erected semi-circular walls to which plaques can be affixed in memory of those in the community who have died. Seats have been positioned here with coastal shrubs planted along path from carpark to this lookout. The work is ongoing.
 - c) Cycle/Walkway on grass verge adjoining Tuross Boulevard - With the help of a Council survey, Tuross Head Progress Association has overseen community volunteers lay section of a concrete cycle/walkway going south from Tarandore Pt. carpark. This Association, with the help of Tuross Chamber of Commerce, local sports clubs, and other groups, has raised thousands of dollars for materials. Council has allocated funds for further work, together with labour under the Work for the Dole scheme.
2. Extent and direction of these current projects and other projects which may be proposed.
 3. Significant foreshore features, situation of village on peninsula between two lakes, low-key lifestyle, e.g. need to retain village atmosphere, wild ocean foreshore environment, etc.
 4. Issues such as pedestrian movements, car parking, traffic flow - particularly in relation to the nearby shopping centre, active and passive recreation facilities, and interpretation of Aboriginal and European heritage.
 5. Balance between community needs, tourism and commercial benefits, and protection of natural and cultural values of the area e.g. protection of dunes and dunal forests and conditions placed on McWilliam Park when early settler, Hector McWilliam dedicated the land back to Council. He planted and nurtured plantation of Norfolk Island pines on Tarandore Pt. (McWilliam Park) and avenues of pines which have become part of village's cultural heritage.

F. SCOPE OF WORKS:

1. Full assessment of existing site conditions, including inventory of natural resources and man-made features.
2. Consultation with Eurobodalla Shire Council and local community representatives, including on-site meetings and presentations.

continued...



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Consultant's Brief, Item F. Scope of Works continued...

3. Preparation of Master and Detailed Plans to cover requirements of the Coastal Management Plan.
4. The Coastal Management Plan shall include full estimates, quantities and staging of future works. Final documentation shall include Master Plan and Detailed Plans 1 : 200/100/20 and include:-
 - * cycle/walkway locations
 - * structures, platforms, recreational areas
 - * signage
 - * environmental protection works
 - * planting schedules

Note : Structural engineering works are not expected to be included as part of this brief.

Note : Survey information, to a limited degree, may be available from Council.

G. CONSULTANT'S PLANNING STAGES:

1. Draft Concepts
2. Draft Final - to be formally submitted and presented to Council prior to its public exhibition
3. Public Exhibition Documents - Two (2) sets coloured and laminated
4. Review of public submissions
5. Final Coastal Management Plan and presentation to Council -
Four (4) sets bound and coloured, two (2) of which to be laminated.


H. DOCUMENT FORMAT:

1. The Draft Plan and the Final Plan to be professionally presented in a document (loose sheet hard copy also required) with the Final Plan being bound.
2. The Final Plan also to be delivered on diskette (preferred format Word Perfect 6.1, 2.5cm side margins, 1.5cm top/bottom margins, font CG Times or Times New Roman). Preference is also given to Plans in CAD (Format AutoCAD).

I. COPYRIGHT:

Any documentation or computer file prepared for Council/TLPG for this project, is to become the property of Council/TLPG and can be reproduced at Council/TLPG discretion.

continued....



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Consultant's Brief, continued...

J. FEES:

1. Consultant to submit full Fee Proposal based on this Brief, with an indication of disbursements and other incidental costs. Quotation for Fee Proposal should also include an hourly rate for additional works outside the Brief.
2. Consultant should provide details of the breakup of staging of the payments.
3. The appointed Consultant will be required to enter into a contract with TLPG for the project. The contract will be AS4122(INT) GENERAL CONDITIONS for ENGAGEMENT of CONSULTANTS.

Funds available for Consultancy Fees are in the vicinity of \$10,000. This detail is being provided purely for the benefit of the Consultant's tendering for the project. Provision of this information will ensure that final decision on these tenders is based not only on price but content.

K. SELECTION CRITERIA:

1. Experience in similar work
 2. Qualifications and insurance coverage
 3. Initial ideas and concepts
 4. Possible interview
 5. Fee Proposal includes hourly rate for work outside Scope of Works.
- The lowest or any tender will not necessarily be considered.

L. TIMELINES

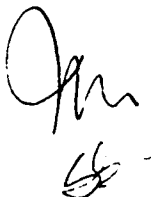
Quotations must be lodged with Council by 4.30 pm Wednesday, 13th May, 1998. It is proposed to hold interviews during the following week and that the preferred consultant be able to start by Tuesday, 9th June, 1998. The Draft Plan should be completed for public exhibition by Monday, 27th July, 1998.

After consideration of submissions and appropriate amendments it is anticipated that the Final Plan and accompanying documents should be completed for presentation to Council by Tuesday, 6th October, 1998.

Note: Brief contains four pages plus a location map.

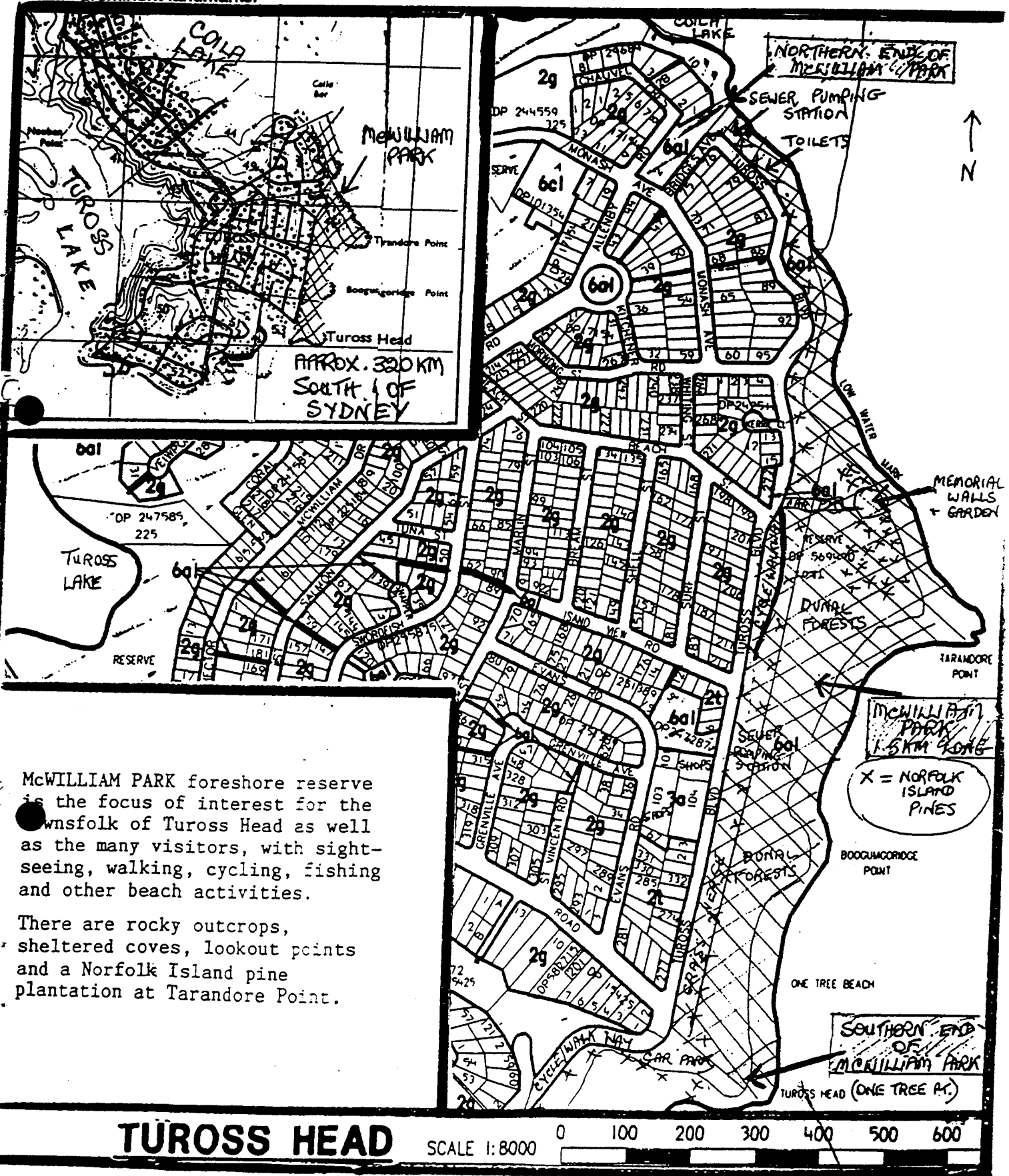
Address Quotations to: The General Manager
Eurobodalla Shire Council
PO Box 99
Moruya NSW 2537

in a sealed envelope marked: Landscape Planning Consultant
Ref. No. 97/1328
Attention: David Bates



7 Site plan

Use a black pen only. Do not use colours. For contrasting areas use black hatchings, lines or dots. Indicate NORT Show the scale. In the box in the top left hand corner, draw in a locality plan, showing nearest town, major roads and a prominent landmarks.



McWILLIAM PARK foreshore reserve is the focus of interest for the townsfolk of Tuross Head as well as the many visitors, with sight-seeing, walking, cycling, fishing and other beach activities.

There are rocky outcrops, sheltered coves, lookout points and a Norfolk Island pine plantation at Tarandore Point.

VIEW TO MONTAGUE ISLAND
[Handwritten signature]

3. CULTURAL HERITAGE

Tuross Head Peninsula has been continuously occupied by humans for at least the last 6000-7000 years. The beginning of this period of habitation possibly coinciding with changes in sea level. Aboriginal occupation of Tuross Peninsula and particularly the area of this Management Plan appears to have been both intense and consistent for the majority of this time as is indicated by the size, depth and apparent antiquity of middens and stone knapping sites found in numerous locations throughout the park. McWilliam Park and particularly Tuross Head (One Tree Point) area appears to have been a 'Principal Camp' of the 'Brinja Yuin' people whose area of occupation stretched from Moruya to Narooma. The local 'Brinja Yuin' are reputed to have numbered between 120-150 persons pre European settlement of the area around 1828-1836, on the Tuross Peninsula. The total population of the 'Brinja Yuin' could have been between 1000-1500 people. In 1847, 12 aboriginal people from a variety of tribes were rounded up from the local area and placed into a reserve at Turlinjah. These were believed to be the last full - blood aboriginals that remained .

This area therefore has a rich Aboriginal cultural history to draw from for Educational and Interpretative purposes, on site, to increase the awareness of visitors to the pre-history of the area and to allow them to ponder the many questions that arise in relation to the sudden demise of the 'Brinja Yuin' people.

Aboriginal site use would have typically included food gathering, hunting in the pre European forest cover over the Peninsula and 'Firestick Farming'. Ceremonies associated with their culture/spirituality were apparently conducted around Coila lake shore.

The level of influence and change over the landscape of the Peninsula and particularly the McWilliam Park site area was presumably negligible other than the creation of middens and knapping sites, Grinding grooves, some canoe trees and possibly open woodland from 'Firestick Farming'.

In contrast, the Tuross Peninsula would have changed dramatically since the first Squatter, John Hawdon, acquired "Kyla" in 1836. Clearing, grazing (the effect of the first hard-hooved animals on native grasses), introduced plant species and ultimately residential development have changed the landscape of this area to a scene that would be largely unrecognisable to a 'Brinja Yuin' a mere 162 years ago.

McWilliam Park does, however, still retain a remnant of Dunal Forest, whether it be natural or regrowth, that gives today's community an insight into the original vegetation and foreshore habitat of the Peninsula.

In more recent times the forethought of Hector McWilliam in the mass planting of Norfolk Island Pines throughout Tuross, has created a distinct post Aboriginal character for this township that is highlighted in McWilliam park. Tarandore Point, locally described as Plantation Point, has a grove of mature Norfolks arrayed in North-South rows that create a feeling of peacefulness, strength, solitude and shaded protection under their canopy. Other areas such as those parallel to Tuross Boulevard and Tuross Head itself have benefited from the strong symmetrical lines of these trees by highlighting those elements that they are aligned with.

Therefore, nature, the traditional Aboriginal occupants and European settlers have all added to the richness and beauty of McWilliam Park today and should all be highlighted in interpretative signage and future character of the Park.

4. NATURAL HERITAGE

The flora and fauna of McWilliam Park is a combination of endemic native species, introduced native species and exotic or weed/pest species. This is a result of the way in which this area has developed from unspoilt coastal scrub/forest to cleared grazing land to urban area. Each period of change having left its mark, or species within McWilliam Park.

No formal coordinated Flora or Fauna studies have been conducted specifically on this site. However, information gathered from the Eurobodalla Natural History Society, National Parks and Wildlife Service and personal observation has developed both Flora and Fauna lists of identified species that have been observed in McWilliam Park. These lists would therefore not be exhaustive, but are certainly indicative and quite lengthy. The complete lists are to be found in the appendices.

The main points to be gleaned from the species identified are as follows..

FAUNA (Birdlife specifically)

- 3 possible vulnerable species
- 2 possible endangered species
- 11 species actually breeding on site
- 9 Mammals, Reptiles and Amphibian species recorded not including marine Fauna or introduced Fauna

FLORA

- Several introduced weed species present
- Remnant Dunal Forest present

Both Flora and Fauna require detailed surveys by respective experts to accurately assess the current species, their habitats or distribution and relative populations. With this information a more precise understanding of the local and regional importance of this site will be attained. Suffice to say that the present information available, strongly suggests that both the Flora and Fauna of McWilliam Park are vital firstly to each other and secondly to the maintenance of a well balanced and diverse environment. The following quote is taken from J. Whiter, Chair of the Eurobodalla Natural History Society in relation to the preparation of the Fauna list...

"These remnants of coastal vegetation, however, provide a habitat for species of birds and other animal life that are not quite at home in the suburban landscape. The remnants are havens for food, shelter and nesting sites and are well worth preserving to ensure a diversity of species."

5. SITE DEGRADATION

The main forms of site degradation within McWilliam park can be placed in the following categories...

- ~ EROSION
- ~ POLLUTION
- ~ WEED INFESTATION

EROSION

This is largely a result of uncontrolled pedestrian access on unsustainable soil types. This has led to water erosion in some pedestrian areas and wind erosion, or blowouts, in others. The inappropriate location of some developments could also be a contributing factor to this problem.

POLLUTION

Pollution is potentially created on 3 main fronts. Firstly, littering or the dumping of waste by individuals. Secondly, as stormwater runoff from the urban area coming out through culverts regularly spaced along Tuross boulevard directly into the existing drainage lines of McWilliam Park without any form of sedimentation or filtration control. These outlets can potentially convey waste oil residue or other chemical/toxic residues thoughtlessly or indeed accidentally placed into the East Tuross Head stormwater system. Thirdly, the proximity of sewerage pump stations along Tuross Boulevard to the Park could also potentially allow overflow of untreated sewerage into the natural drainage lines of McWilliam Park during periods of high persistent rainfall.

WEED INFESTATION

The range and distribution of introduced weed species in McWilliam Park reflects one and a half centuries of grazing, introduced pasture and garden escapes or dumping of garden waste. Some species are more prevalent than others and present a greater threat to the biodiversity and general access of the Park

6. CONSTRAINTS AND OPPORTUNITIES

This section of the Management Plan deals with the design parameters affecting McWilliam Park both internally and externally and how these parameters have influenced the outcome of the design process.

CONSTRAINTS

External access	<ul style="list-style-type: none">~ how people can and do get to and into the site* limited parking adjacent to site boundaries* no pedestrian links from township to site
External influences	<ul style="list-style-type: none">~ nature, ocean, storms, flooding, wind, drought* wave action can destroy developments too close to ocean* inappropriate materials will degrade quickly in foreshore environment* development located in drainage lines can be washed away* inappropriate species selection will reduce survival rates
Existing facilities	<ul style="list-style-type: none">~ structures, major capital assets, services* toilet block, sewerage pump stations* asphalt carpark areas, cycleway/footpath* water, electricity
Environment	<ul style="list-style-type: none">~ Dunal forest, foreshore, waterways, ocean* Remnant Dunal forest a vital habitat for fauna* Foreshore a vital habitat for some ground nesting birds* waterways must be free of pollutants* ocean can be affected by pollutants from land/waterways
Topography/Soil Types	<ul style="list-style-type: none">~ steep slopes, erodible soils* intended developments must suit topography and soil types* sand blowouts of concern to pedestrian access locations
Significant cultural sites	<ul style="list-style-type: none">~ Aboriginal and Non-Aboriginal* Disturbing culturally significant sites to be avoided or minimised* Where unavoidable to develop site in consultation with parties
Existing projects	<ul style="list-style-type: none">~ Community and Council based* Cycle/walkway* Memorial Gardens* Carparks* Dunal revegetation* Tuross Head Lookout
Site-use fluctuations	<ul style="list-style-type: none">~ seasonal variations in visitor numbers* summer and holiday periods-peak use



STONE BEACH INFORMAL CARPARK



STONE BEACH LOOKING SOUTH

OPPORTUNITIES

- High Quality viewpoints** ~ major focal points for visitors
* Tuross Head, 360 deg views
* Tarandore Point, views up and down coast
* Memorial gardens, views North along coast
- High quality natural areas** ~ habitat for fauna and record of indigenous vegetation
* remnant Dunal Forest
* beach and foreshore zones
- Proximity to urban area** ~ immediately adjacent to township
* access for a wide variety of abilities and ages achievable
* opportunity for urban dwellers to experience natural area
- Rich cultural heritage** ~ educational and interpretative opportunity
* Aboriginal site use and culture
* European site use
- Norfolk Island Pines** ~ unique local character
* Tuross renowned for Norfolk plantings
* Create coastal character and feeling despite being non-local species
* Wind-break for urban area against prevailing winds
- Existing developments** ~ good existing infrastructure
* existing facilities and developments can be built upon and linked
* able to create continuity of design and material throughout site
- Visitor experience** ~ wide variety of existing and potential visitor experiences
* fishing, swimming, snorkelling, surfing
* view appreciation, public art appreciation
* Picnicking, birdwatching
* Environmental and cultural education
- Community volunteers** ~ committed local labour force
* greater potential for achievement of goals with community support

7. PRELIMINARY COMMUNITY COMMENTS SUMMARY

***Provide strong links between Tuross Village and Foreshore**

- Emphasis on Vistas to ocean from
 - high vantage points
 - shopping precinct
 - east-west roads
- Maximise use of cycle/walk way
 - links open spaces to residential and commercial areas
- Common planting themes
- Minimum of one convenient, safe and easy pedestrian access to every beach

***Areas immediately adjacent to shops considered**

- Road safety
- Maintain open space link
- improve planting close to shops whilst still maintaining visibility
- incorporate planting design for the small Town Park containing play structure

***Emphasise 180 degree views from high points along the coast; considering the visual quality of the park from the sea e.g.**

- One Tree Point
- Both sides of Tarandore Point

***Broaden range of passive recreational opportunities available catering for people of all ages and physical capabilities**

***Introduce Historical references to increase the Village's sense of identity e.g.**

- reflected in park furniture design
(see Clifford Reid for historic family photos showing park furniture that existed in the past)

***Carparking Design that-**

- maximises number of car spaces
- minimises visual intrusion on the natural landscape
- minimises harm to native and historic plants
- simple, easy to follow layouts
- ample shade planting
- grass overflow areas used in peak times; cordoned off at other times
- minimise safety conflict with cycle/walk way
- minimal impact to natural ground contour; especially north section

***Increase flat, grassed picnic areas with ample shade and park furniture e.g.**

- Stoney Beach sewer pump station and Tarandore Point

***Improve and increase beach shower facilities and associated drainage**

***Improve appearance of structures i.e. Public Toilets and Sewerage Pump Stations**

7. PRELIMINARY COMMUNITY COMMENTS SUMMARY - Continued

*Manage existing and proposed vegetation

- Rehabilitate coastal dune vegetation complexes where possible
- Specialist Aboriculturalist to report on state of Norfolk Island Pines with recommendations
- Restrict beach access to formalised tracks (protect vegetation and minimise soil erosion)
- Weed removal program
- Increase shade planting

* Art work incorporated in the development of the Boulevard cycle/walk way that enhances natural environment.

*Works environmentally friendly, considering vandalism and safety issues. Examples could include metal sculpture, ceramics and mosaic.

*Existing examples of art in other communities

- ceramic tiled walk way in Norway. 1800 artists have contributed a single 8x8 inch tile creating a popular public attraction
- Canberra incorporates many examples of art throughout gardens and walk ways
Especially Commonwealth Park creating points of interest for visitors
- Mosaic wall at the main entrance of Canberra Hospital

*If budget restraints prevent this grant from the N.S.W. State Government assistance via the N.S.W. Art Council may be possible.

*Existing development undertaken by voluntary labour with 15% of the cost from the Shire.

*Intended future improvements to the Memorial Gardens

- Extension of Computerised Watering System
- Possibility of additional memorial walls (dependent on community demands)
- Extension of Log Fence to encompass the Parking Area - if possible prior to Armistice Day

*Request following items to be included in the McWilliam Park Draft Plan

- Aesthetically located and landscaped public toilet with disabled facilities. Possible location between rear fenceline of Hawkins Rd and existing cycle/walk way between beachside Caravan park and One Tree pt parking area. Water, sewerage and power services close to site. A submission currently lodged with Council for inclusion in Draft 5 year management Plan

7. PRELIMINARY COMMUNITY COMMENTS SUMMARY - Continued

- Rehabilitate One Tree Pt Lookout. Turfed or paved with controlled access to Norfolk Pine for grass cutting etc. Flood light power pole an eyesore. Could be replaced with in ground flooding
- Recommend removal of single Norfolk Pine located in the centre of Lookout parking area.
- Anticipated date of completion of cycle/walk Stage 1 to One Tree Pt is Feb-March 1998. Suggested accessories to complement cycle/walk way
 - (a) Signposting at One Tree Pt and Plantation Pt terminals including natural walkways to points of historical and geographic interest
 - (b) Cycle storage racks at One Tree Pt and Plantation Pt parking areas
 - (c) Placement of bench type park seats along route of cycle/walk way
- Additional Parking areas at One Tree Pt - Tuross Boulevarde terminal cycle/walk
- Park area east of cycle/walk left in natural state (noxious weeds excluded)
- *1. Maintain natural surroundings. Tuross has limited land and water frontages on both sides that is worthy of preservation in their natural state
- *2. Continuation of Dune preservation and restoration. The natural vegetation must be preserved and human interference minimised.
- *3. Development carefully monitored i.e.
 - Proposed new toilet block at One Tree Pt if established sited as far out of sight as possible (on cycle track below steps)
 - Current cycle path construction that does not encroach into bushland. Of particular concern is the route from Stoney Beach to Coila lake where room for siting is limited. Care should be taken to prevent disturbance of the rock promontories
 - Memorial Garden Project limited to prevent loss of visual quality of Tarandore Point. Further construction stopped
 - One Tree Point cyclone fence removed as part of Management Plan
 - Concerns with Tuross Beach Caravan Park; cabins intruding on to the dunes; the extension of the fenceline towards the beach; sand dune area must be protected
- *Existing Qualities
 - Tuross is a NATURAL beauty place
 - The foreshore is also NATURALLY beautiful
 - Would an improved treatment of the foreshore be good for locals as well as tourists
 - How would different age groups be affected
 - Cycle walkway universally endorsed by all
 - Are young catered for??? Foreshore an existing resource

7. PRELIMINARY COMMUNITY COMMENTS SUMMARY - Continued

- *Recommendations
 - Increase tourists, as E.S.C. predicts, requires extra parking WHAT ABOUT TOILET FACILITIES
At peak times 150-200 people
 - Possibility of providing access from cycle/walkway to foreshore to extend walks
 - Benches as rest areas along walkways
 - Stormwater culverts need upgrading in parallel with foreshore upgrade
 - North of Stoney Beach a proper step path to Coila Beach facing Bingi Point i.e. 300m from Coila toilet

- *Suggested Process
 - Study of & treatment of invasive pests
e.g. Bitou, Blackberry
 - Survey of practical sites and costings of projects
 - Council & others involvement professionally & practically i.e. Finance, Drainage, Mechanical Assistance - bobcats
 - Staged planning i.e. Committee Plan with identified stages according to funds
 - Volunteer workforce covered by Council workers comp insurance; as for cycle/walkway

- *Item of Concern
 - Norfolk Island Tree and the Headland

- *Natural Qualities of the Area- (Historically)
 - South side of headland the mass of rock that formed the beach
 - hundreds of tightly packed granite boulders worn smooth by the waves and wind
 - Southerlies denuded the beach of sand
 - North-easterlies in summer replenish the sand
 - the above area NOW forms a tarred ramp

- *Unique rock formations
 - headland
 - north face granite
 - south face highly compacted silica formation follows the crown of the road for the full length of Hawkins Rd
 - South & east side of headland covered with filigree-like silica

- *Significant Sites
 - Northern face of the head joined a dune with one of the largest middens
 - Ancient shells were in sheets providing a sand dune from top to bottom

7. PRELIMINARY COMMUNITY COMMENTS SUMMARY - Continued

- *Historical Context of tree
 - Mr Hector McWilliam planted the Norfolk Island Pines on the headland and in the village
 - the tree seeds came from one of the large Norfolk Island trees that grew on the homestead block
 - the particular tree was hit by lightning but others remain
- *Recommendations
 - Correct historical name for headland is Tuross Head rather than One Tree Point
 - Sign erected on headland with that name (near carpark)
 - Wind shelter be provided with mass planting
 - Planted at random as in nature
 - Council refers to area as Tuross Head
- *Maintenance - Where possible attractive low cost/low maintenance materials used
 - stabilise dunes with:
 - native vegetation
 - control weeds
 - fence off sensitive areas
 - restrict/direct walkways to specific focal points
 - walkways located to avoid wind tunnels
 - reference to NPWS for location of aboriginal sites/ middens etc
- *Management - apply guide-line as set out in E.S.C. plan of "Management for Community Classified land for Developed Reserves - Edition 2"
 - include data collection on:
 - native flora & fauna
 - strategies to improve native vegetation cover, fauna habitat and control weeds
 - inspection of Norfolk Island Pines by a professional to gauge health every effort made to protect and prolong their life
 - regular monitoring of condition of dunes as part of stabilisation projects
- *Foreshores
 - Preserve wild foreshore experience
 - built structures limited to specific focal points i.e. lookouts, walking tracks
 - Stormwater drainage outlets monitored to protect beaches e.g. pollutant traps incorporated

7. PRELIMINARY COMMUNITY COMMENTS SUMMARY - Continued

*Design Recommendations

- Viewing Platform established at end of walking track south of Tarandore Pt
- Signage from that area leading visitors along beach to pine plantation and Memorial Gardens to north and to One Tree Pt area to south
- Picnic huts and seating at Tarandore Pt on stable grassed areas above rocks
- Identify location of aboriginal sites so that unacceptable disturbance of the site is avoided

*ONE TREE POINT (Tuross Head)

Design Recommendations

- remove Norfolk Island pine and fencing from middle of carpark
- transfer tap to boundary fence and reseal car park
- native species revegetation for landscaping around car park with appropriate temporary shelter fencing for plantings
- Interpretive signage/ information area with roof protection
include aboriginal and cultural heritage areas of interest, and natural coastal data
- Toilet block; including disabled w.c., possibly with storage area for tools etc
- re-design of lookout where tree has been planted

*STREETSCAPING / TUROSS BOULEVARDE

Design Recommendations

- design theme that reflects low-key coastal lifestyle
- interpretative signage along cycle/walkway marking areas of natural beauty & interest
- speed humps & chicane type streetscaping to control traffic flows
- options for extra carparking at peak times located at main entrances to beaches
- areas protected from north-easterly winds maintained for picnics, open air displays or occasional coastcare talks
- signage that can be adopted in future around area to boatshed & up to Chatham Park - as part of a continual walking trail "experience" throughout the headland

*MEMORIAL GARDENS AT NORFOLK PINE PLANTATION

Design Recommendations

- establish limits to garden boundary and additional wall space for plaques

*CYCLE/WALKWAY

Design Recommendations

- extend cycle/walkway from Memorial Gardens north to Coila Bar
- incorporate sensitive carparks at Coila Bar end & opposite Kitchener St
- where cycle/walkway conflicts with roots of pines boardwalk applied; with areas widened to incorporate seating areas to view Coila Bar & Bingi Point
- timber steps leading down to rocks for fishing
- steep slopes revegetated

8. MASTERPLAN DESCRIPTION

PLEASE NOTE : Site Assessment , Dwg No. DDL34-1 & Site Analysis, Dwg No. DDL34-2 are **NOT** Masterplan drawings, they are records of existing conditions & constraints / opportunities respectively.

PREFACE:- It be noted that detailed design plans will be prepared and be exhibited for public consultation. This design should include plans for streetscape, street furniture, signage, viewing areas, traffic matters and will include discussions with specialist consultant regarding the incorporation of the Norfolk Pines within the design.

MASTERPLAN SHEET -1, Dwg No. DDL34-3 COILA BAR ENTRY

This drawing covers the Park area adjacent to Bridges Avenue around to the first turn in Tuross Boulevard.

The main proposals in this area include:

Provision of a McWilliam Park site identification sign, picnic facilities and parallel parking in Bridges Park. Despite being outside the boundary of McWilliam Park and outside the area of the Management Plan brief, this green space should logically form part of McWilliam Park due to its close proximity and as a result becomes the Northern entry point to the Park.

Formalisation of parallel parking bays along the first section of Tuross Blvde will provide a safer vehicular and pedestrian environment and reduce confusion for visitors. Two planting area medians are proposed to break up the visual expanse of asphalt and to reduce vehicle speed.

The cycle/walkway is proposed to run adjacent to the parallel parking bays on the road side of the Norfolks along this section with aprons of concrete running out to steps to foreshore and under the seating area. The walkway ends on the existing pathway to Coila Bar just above the toilet block to allow for future extensions northward.

A redeveloped entry area to Coila Bar is proposed including paving, planting areas, bollard lighting and an information board similar to National Parks and Wildlife Service boards. This board would also contain interpretative information and reference to the work of volunteers in the Park.

8. MASTERPLAN DESCRIPTION - Continued

MASTERPLAN SHEET - 2, Dwg No. DDL34-4 STONE BEACH TO TARANDORE POINT

This drawing shows the possible alignment for the majority of the cycle/walkway that is yet to be constructed.

Following on from Sheet 1 the walkway remains on the road side of the Norfolks, but as far from the road edge as possible, thereby increasing pedestrian safety and possibly allowing some low planting between pathway and road edge for short sections. In the area indicated the pathway may pass through the Norfolks and cross a deep gully requiring the construction of a bridge. After this gully the walkway then returns through the Norfolks to the roadside with details as previously described and has a small apron coming off the walkway with handrailing to create a specific interpretative signage location relating to the whale burial site below and other whale related issues, such as migration and whalewatching. The exact location of the pathway beyond this point will be determined subject to further engineering design investigation by Eurobodalla Shire Council. (Refer to Preface:- MASTERPLAN DESCRIPTION - Sheet 1) The Cycleway will mainly be constructed of concrete. It is noted that detailed design plans will be prepared and be exhibited for public consultation. This design should include plans for streetscape, street furniture, signage, viewing areas, traffic matters throughout the Park and will include discussions with a specialist consultant regarding the incorporation of the Norfolk Pines within the design. The previous informal carpark opposite Kerrie Close will be fenced off and revegetated. The new carpark may be located further south in the shade of existing Norfolks, while still retaining excellent views without having to get out of your vehicle. The final layout of this carpark to be determined by Eurobodalla Shire Council. Mass planting surrounding this carpark development will soften its visual effect on this site and also act as soil stabilisation from road runoff.

Timber steps to the foreshore are proposed in similar locations to those already indicated through pedestrian wear in the vegetation and will terminate on sustainable materials at their bases.

The concrete pathway will continue as indicated to meet up with the existing pathway at the entrance to Plantation Point carpark. while a proposed additional gravel pathway will wind through the Norfolks to meet the Memorial Gardens footpath and go on to Tarandore Point Lookout, as per Masterplan Sheet - 3.

8. MASTERPLAN DESCRIPTION - Continued
MASTERPLAN SHEET - 3, Dwg No. DDL34-5
TARANDORE POINT TO SHOPPING CENTRE PRECINCT

The existing carpark at Tarandore Point (Plantation Point) is proposed to be formalised with linemarking to delineate carparking spaces and median areas to reduce confusion and increase space efficiency. These median areas then to be ripped and planted out with appropriate species.

At the eastern end of the carpark a paved pedestrian access space is to be provided to form an entry point to the Memorial gardens site with the addition of an information board and site specific interpretative information.

The pathway to the Memorial gardens is proposed to have hedge planting on both sides of *Westringia fruticosa* (Coastal Rosemary). At the approximate centre of this paths length the gravel pathway from Stoney beach carpark will intersect with this path at which point a circular seat will surround a statue/monument/other form of public art as deemed fit by the community and particularly the Memorial Gardens Committee. This pathway intersection coincides with a dramatic enframed southerly view of Tuross head. All proposed pathways will be constructed to disabled access standards where possible.

The gravel pathway then continues along existing pedestrian wear lines to a raised timber platform viewpoint on Tarandore Point , just on the ocean side of two lone Norfolks. This platform is intended to have theme seating and a telescope as per Masterplan Sheet - 5 detail. The majority of this headland that is grass area is intended to be fenced with Dunecare type fencing, a weed control programme carried out and revegetation begun. From this path a board and chain walkway descends to the beach/creek. Behind the viewpoint/platform is proposed to be a picnic area for visitors.

Near the entrance to Tarandore Point carpark a McWilliam Park site identification sign is proposed to line up with traffic coming down Beach Street.

Heading south along the existing pathway two drainage lines require additional piping into the vegetated area to remove potentially dangerous gullies from within open space areas and to also provide the potential for a specific location for peak period overflow parking close to all major sites.

Where the existing pathway currently deviates toward the ocean around several conifers it is proposed that a picnic area and formalised parallel parking be provided with a gravel pathway connecting this area to the beach over a timber bridge.

Immediately opposite the new shopping centre a possible new carpark within the Dunal Forest will be considered if sufficient demand to provide a major pedestrian link between the township and the Park as well as providing a parking area that will service both shopping centre and Park for visitors that wish to use both facilities. This area will not only create additional parking for both sites but will increase pedestrian and vehicular safety in and around this junction and also provide an information board, shower and bubbler for surfers, Mcwilliam Park site identification sign and a greater sense of address or entrance to the Park for visitors that see it for the first time when going to the shopping centre. Careful consideration will be given to the protection of native vegetation around this area. The existing informal pedestrian accessway adjacent to the sewerage pump station is intended to be fenced off, revegetated and relocated from the carpark to the beach in a sustainable alignment. The existing sand blowout to be fenced and revegetated.



TUROSS HEAD MEMORIAL GARDENS



TUROSS HEAD MEMORIAL GARDENS

**MASTERPLAN SHEET - 4, Dwg No. DDL34-6
BOOGUMGORIDGE POINT TO TUROSS HEAD**

An existing pedestrian accessway between the shopping centre and Boogumgoridge Point to be changed into a timber boardwalk through the Dunal Forest with an interpretative signage location relating specifically to the Dunal Forest environment and its importance to the Park.

Boogumgoridge point itself is intended to have a sustainable gravel pathway over an existing pedestrian wear area leading to a junction of two other paths leading to the beach on board and chain walkways. This junction is intended to contain a major public art focal point to celebrate the 'Brinja Yuin' peoples relationship with the Tuross Peninsula. Its content would be decided by or in consultation with the local aboriginal community and possibly developed by them. This area would be fenced as indicated for dunal revegetation and stabilisation purposes and would be linked into the existing dunal revegetation area immediately south along One Tree beach.

A McWilliam Park site identification sign is intended to be located at the entrance to Tuross Head carpark immediately in front of an existing Norfolk Island Pine between the cycle/walkway and the roadway.

This carpark is intended to be formalised by delineating with linemarking of parking spaces and median areas to reduce confusion, increase parking efficiency and increase greenspace within the asphalt area. The old boatramp carpark is intended to be closed and rehabilitated due to its steepness and bottleneck type arrangement. Some of this area would be filled to create additional carparks for the main carpark, while the beach area would be retained for public access. At the lookout end of the carpark paved pedestrian space and an information board would be provided with a timber boardwalk leading to the lookout platform.

The lookout would be redeveloped with a raised timber platform to protect the symbolic Norfolk and the site itself from further degradation. A circular theme seat would surround the tree further protecting it from damage. The existing cyclone fence would be removed. A telescope and interpretative information would also be provided.

9. MANAGEMENT RECOMMENDATIONS

The General objectives of these Management Recommendations are considered to be the same as is found in the ESC Plan of Management , Developed Reserves and Facilities Ed. 2

9.1 FUTURE DEVELOPMENT

- * All future development be carried out in accordance with the Spirit of McWilliam Park Coastal Management Plan.
- * All major future development be carried out in consultation with Cobowra Aboriginal Land Council prior to the commencement of works.
- * Any proposed future developments be designed to minimise the impact on the visual quality of existing views and the skyline from within and outside the Park.
- * A Community based McWilliam Park Management Committee be established to oversee future development and to monitor existing development, if sufficient community interest exists. Existing Memorial Gardens Committee to be a sub-committee of this group.

9.2 TRAFFIC AND PEDESTRIAN FLOW

- * Tuross Boulevarde traffic concerns be referred to Eurobodalla Shire Council Traffic Committee for consideration.
- * Pedestrian traffic should be limited to levels that do not cause long term site degradation throughout the Park.
- * All Pedestrian paths board-walks be constructed and maintained to minimise site degradation and reduce impact on cultural resources.
- * Pedestrian traffic should dominate vehicular traffic within McWilliam Park in all instances
- * All possible methods of slowing vehicular traffic on Tuross Boulevarde should be employed.
- * Pedestrian access to Dunal Revegetation areas should be temporarily denied until such a time as those areas have regenerated to a sustainable level to again withstand controlled foot traffic.
- * Opportunity for sustainable overflow carparking on site should be provided south of Tarandore Point carpark entrance.

9.3 REVEGETATION

- * Commencement of revegetation of Dunal Zones, as indicated, should be a matter of urgency to commence
- * Revegetation should in all instances be preceded by fencing and weed eradication and followed by plant protection and pest management.
- * The use of endemic native species should be encouraged wherever possible
- * Revegetation management to protect biodiversity, threatened, rare or endangered species.
- * A thorough and comprehensive vegetation survey be undertaken for Park and immediate surrounds.

9. MANAGEMENT RECOMMENDATIONS - Continued

9.4 WEED MANAGEMENT

- * A comprehensive weed management programme for the entire Park area should be developed and adhered to on an annual basis
- * Non-chemical weed control methods should be employed wherever possible to reduce pollution risk

9.5 SIGNAGE

- * Signage should be of a similar theme and material throughout the Park
- * Signage should be simple and without ambiguity
- * Any use of symbol signs should be with no more than 25 % negative symbols in a group
- * Signage should form a hierarchy as visitors enter sites, from site identification and directional signs to information boards to interpretative information

9.6 CULTURAL HERITAGE

- * Promote awareness and appreciation of cultural heritage of Tuross peninsula throughout Park
- * Aboriginal sites to be accurately located, recorded and conserved in consultation with Cobowra Aboriginal Land Council and National Parks.
- * The location of Aboriginal Sites not to be disclosed to the public without prior permission from Cobowra Land Council.
- * The importance of McWilliam Park's cultural heritage should be emphasized through the use of details such as seating, bollard lighting, fencing and signage design.
- * Interpretative signage should highlight Cultural Heritage topics such as Aboriginal relationship with the land, European settlement, Whale burial, Norfolk Island Pine plantings and maritime history.

9.7 NORFOLK ISLAND PINES

- * A comprehensive inventory and assessment of condition and future management of Norfolk Island Pine plantings should be undertaken.
- * Consideration should be given to the application for listing Norfolks with the National Trust as an historic mass planting.
- * Norfolks should be used wherever possible to frame views, as entry points to paths and to signify focal points within the Park.

9. MANAGEMENT RECOMMENDATIONS - Continued

9.8 MAINTENANCE REGIMES

- * A comprehensive, ongoing maintenance programme should be developed for all public use areas, works of art and focal points.
- * All dunal revegetation zones will require a regular maintenance programme to control weeds and carry out upkeep of fencing
- * All timber structures erected will require regular maintenance, including refinishing where necessary to maximise their life-span

9.9 CYCLE/WALKWAY

- * The remaining portion of cycle/walkway to be constructed will in concept be adjacent the roadway near future kerb and guttering alignment. The exact location of the pathway and roadway kerb and gutter will be determined subject to further engineering design investigation. A small bridge may be incorporated to cross the gully opposite the existing pedestrian walkway. The cycleway will mainly be constructed of concrete.
- * It is noted that detailed design plans will be prepared and be exhibited for public consultation. This design should include plans for streetscape, street furniture, signage, viewing areas, traffic matters and will include discussions with a specialist consultant regarding the incorporation of the Norfolk Pines within the design.
- * Consideration will be given to the protection of existing trees during design and construction.

9.10 TUROSS HEAD

- * Regular maintenance of this key site will be essential in the minimisation of vandalism and the continuing image of a high quality recreational facility in Tuross Head township
- * The redevelopment of this location should coincide with increased marketing of Tuross Head as a peak destination within Eurobodalla Shire for outside visitors.
- * Lighting in and around Tuross Head should be kept to a minimum and be of a low-key bollard type.
- * Carpark to be developed and surrounds revegetated.

9. MANAGEMENT RECOMMENDATIONS - Continued

9.11 TARANDORE POINT

- * Regular maintenance of this key site will be essential in the minimisation of vandalism and the continuing image of a high quality recreational facility in Tuross Head township
- * The control of pedestrian movement over this area is essential for the establishment of revegetation programmes in the medium term. After vegetation has reached a sustainable level fences should be removed or relocated.
- * The development of the Memorial Gardens infrastructure is currently at a near maximum level for the site it presently occupies. Further development, other than an additional row of proposed walls is considered beyond the capacity of the site in both physical and visual terms.
- * Lighting in and around Tarandore Point should be kept to a minimum and be of a low-key bollard type.

9.12 COILA BAR

- * This area requires greater delineation between vehicular and pedestrian areas by formalisation of parallel parking and construction of the cycle/footpath and kerb & guttering.
- * The development of an entry area to the Park at this location will create a sense of address and acknowledgment of a Park boundary for visitors.
- * Construction of sustainable timber steps from roadway to foreshore will reduce further site deterioration through uncontrolled pedestrian movement.

9.13 BOOGUMGORIDGE POINT

- * This area requires urgent erosion control works to prevent further deterioration of the foredune area.
- * The involvement of the local Aboriginal community in the development of this site is essential in its success as a celebration of the 'Brinja Yuin' peoples relationship with the Tuross Peninsula

10. APPENDICES

10.1 DRAWING SET



GENERAL NOTES:
 POSSIBLY PROVIDE: ADDITIONAL APPROPRIATE LIGHTING
 SEATING IN APPROPRIATE STYLE AND LOCATIONS
 STORMWATER DRAIN REMODELLING
 REVEGETATION & PROTECTION OF DEGRADED AREAS

COALA BEACH ROAD FRONTAGE
KEY FOCAL POINT
 POSSIBLE LOCATION FOR: DIRECTIONAL & INTERPRETATIVE SIGNAGE;
 FORMALISED PARKING ARRANGEMENT;
 REDEVELOPMENT OF EXISTING FACILITIES;
 BBQ / PICNIC AREA;
 PUBLIC ART;
 PEDESTRIAN LINK TO TOWNSHIP.

WHALE BURIAL SITE
 POSSIBLE SITE FOR: INTERPRETATIVE INFORMATION;
 PEDESTRIAN LINK TO TOWNSHIP
 BOARDWALK PATHWAY BELOW NORFOLK.

CYCLE / WALKWAY, COALA BAR TO PLANTATION POINT
 WALKWAY ALIGNMENT CAN BE LOCATED ALONG SEVERAL
 ALTERNATE ROUTES INCLUDED ALONG ROADWAY EDGE, BELOW
 NORFOLK PINES OR A COMBINATION OF BOTH.

EXISTING INFORMAL CARPARK
 POSSIBLE LOCATION FOR: FORMALISED CARPARK;
 REHABILITATION OF DEGRADED AREAS.
 ACCESSWAY TO FORESHORE

TARANDOREE POINT
KEY FOCAL POINT
 POSSIBLE LOCATION OF: DIRECTIONAL & INTERPRETATIVE SIGNAGE
 FORMALISED CARPARK;
 MAJOR VIEWPOINT;
 TOILET AND DRINKING WATER FACILITIES;
 ACCESSWAY TO FORESHORE AND BEACH;
 OUTDOOR PERFORMANCE SPACE;
 REHABILITATION AND REVEGETATION
 PEDESTRIAN LINK TO TOWNSHIP

TRANSFORME POINT (PLANTATION POINT)

EXISTING GRASSED AREA
 POSSIBLE LOCATION FOR: PUBLIC ART SPACE;
 BBQ / PICNIC AREA;
 PUBLIC EDUCATION AREA;
 PLAYSACE;
 ACCESSWAY TO CREEKMOUTH, BEACH
 REHABILITATION AND REVEGETATION.


SHOPPING CENTRE PRECINCT
KEY FOCAL POINT
 POSSIBLE LOCATION FOR: DIRECTIONAL, INTERPRETATIVE SIGNAGE
 NEW CARPARK;
 MAJOR PEDESTRIAN LINK TO SHOPPING
 CENTRE AND TOWNSHIP;
 PUBLIC ART SPACE;
 REDEVELOPMENT OF EXISTING PUBLIC PARK
 ALTERATIONS TO TRAFFIC FLOWS TO
 PROVIDE TURNING LANES

BOOGUMGORIDGE POINT
 POSSIBLE LOCATION FOR: ACCESSWAYS EITHER SIDE OF POINT.

TUROSS HEAD
KEY FOCAL POINT
 POSSIBLE LOCATION FOR: DIRECTIONAL & INTERPRETATIVE SIGNAGE;
 CARPARKING FORMALISATION;
 SITE REDEVELOPMENT;
 PUBLIC ART;
 TOILET FACILITIES;
 REHABILITATION & REVEGETATION;
 PEDESTRIAN LINK TO TOWNSHIP

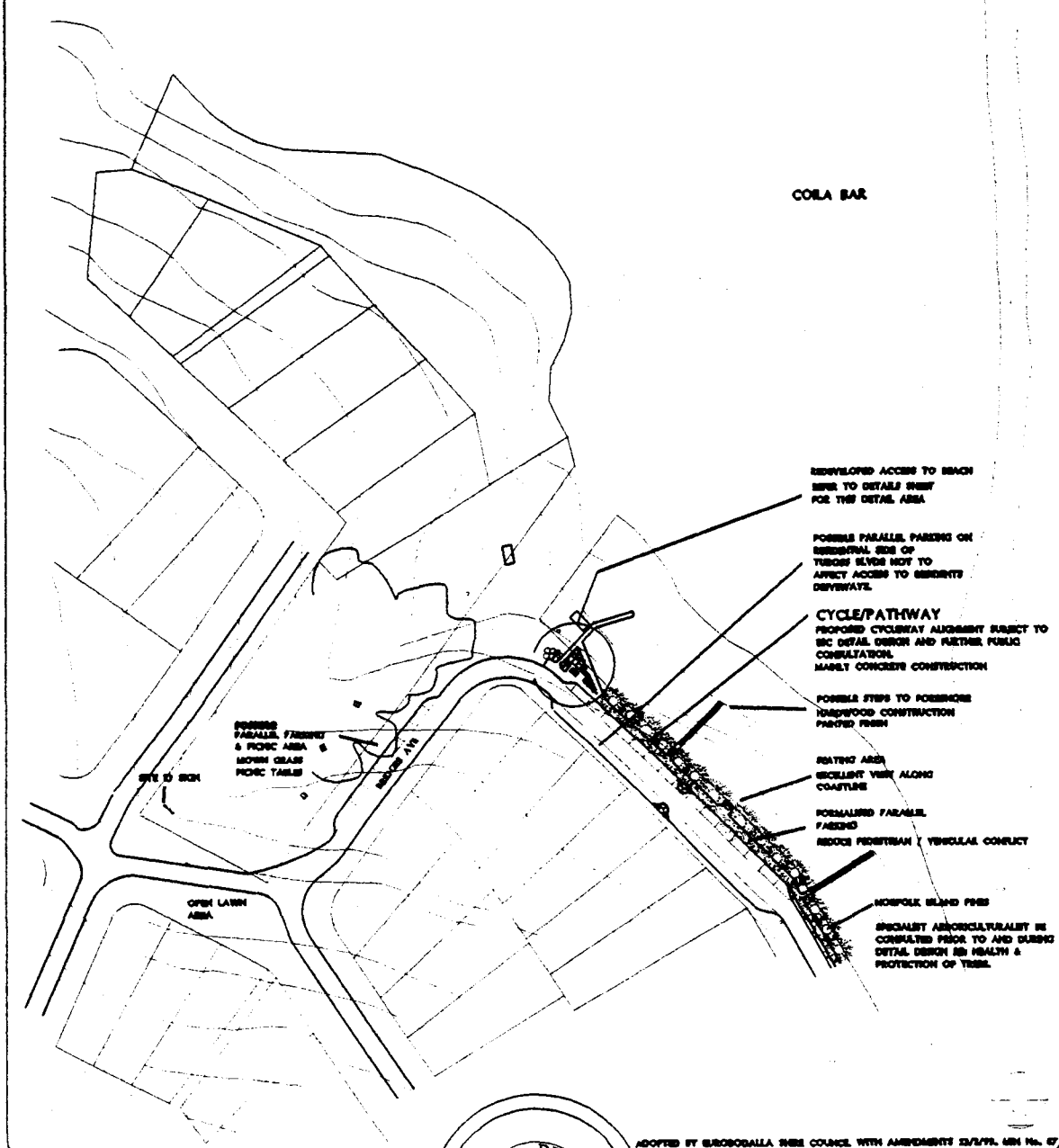
	PROJECT COASTAL MANAGEMENT PLAN McWILLIAM PARK, TUROSS HEAD, NSW CLIENT TUROSS LAKES PRESERVATION GROUP	DUAL DESIGN <small>P.O. BOX 991 WARRIATA, S.A.W. 5074</small>	DESIGN <small>TELEPHONE 0 8 842 08 84288</small>	TITLE SITE ANALYSIS	SCALE 1:1 000	
				DATE JULY 1990	DRAWN BY DB	
				DWG. NO. 001A-4		
ARCHITECTS AND LANDSCAPE ARCHITECTS						

GENERAL NOTES :

 INDICATE APPROXIMATE LOCATION OF MOWPARK ISLAND FOR TREES AND SHOULD NOT BE USED AS A POINT OF REFERENCE IN ANY DIMENSIONS.

THESE DIMENSIONS ARE CONCEPTUAL SKETCH DIMENSIONS AND WOULD REQUIRE SURVEY SERVICES AND FURTHER SURVEY DESIGN BY EIC PRIOR TO CONSTRUCTION.

ANY MAJOR CONSTRUCTION WORK ON THE SITE WILL REQUIRE AN ARCHAEOLOGICAL SURVEY AND CONSULTATION WITH COOROWA LOCAL AUTHORITY, LAND COUNCILS AND OTHERS PRIOR TO COMMENCING.



COLLA BAR

REDEVELOPED ACCESS TO BEACH SITE TO DETAIL SHEET FOR THE DETAIL AREA

POSSIBLE PARALLEL PARKING ON RESIDENTIAL SIDE OF TUNERS ELEV NOT TO AFFECT ACCESS TO RESIDENTS DRIVEWAY.

CYCLE/PATHWAY
PROPOSED CYCLEWAY ALIGNMENT SUBJECT TO EIC DETAIL DESIGN AND FURTHER PUBLIC CONSULTATION. MAJOR CONCRETE CONSTRUCTION.

POSSIBLE STEPS TO POSSIBLE TIMBERWOOD CONSTRUCTION PAVED DECK

SEATING AREA
SCULPTURE VEST ALONG COASTLINE

FORMALISED PARALLEL PARKING
REDUCE FOOTPATH / VISUAL CONTACT

MOWPARK ISLAND TREE
SPECIALIST ARCHAEOLOGICAL SURVEY BE COMPLETED PRIOR TO AND DURING DETAIL DESIGN FOR HEALTH & PROTECTION OF TREES.

FORMALISED PARALLEL PARKING & PICNIC AREA & MOWPARK ISLAND PICNIC TABLE

SITE TO BE

OPEN LAWN AREA

ADOPTED BY MOWPARK ISLAND TREE COUNCIL WITH AMENDMENTS 23/2/99. MIN No. 87



PROJECT
COASTAL MANAGEMENT PLAN
McWILLIAM PARK, TUROSS HEAD, NSW
CLIENT
TUROSS LAKES PRESERVATION GROUP INC.

DUAL
P.O. BOX 198
MOSBYTA, N.S.W. 2257

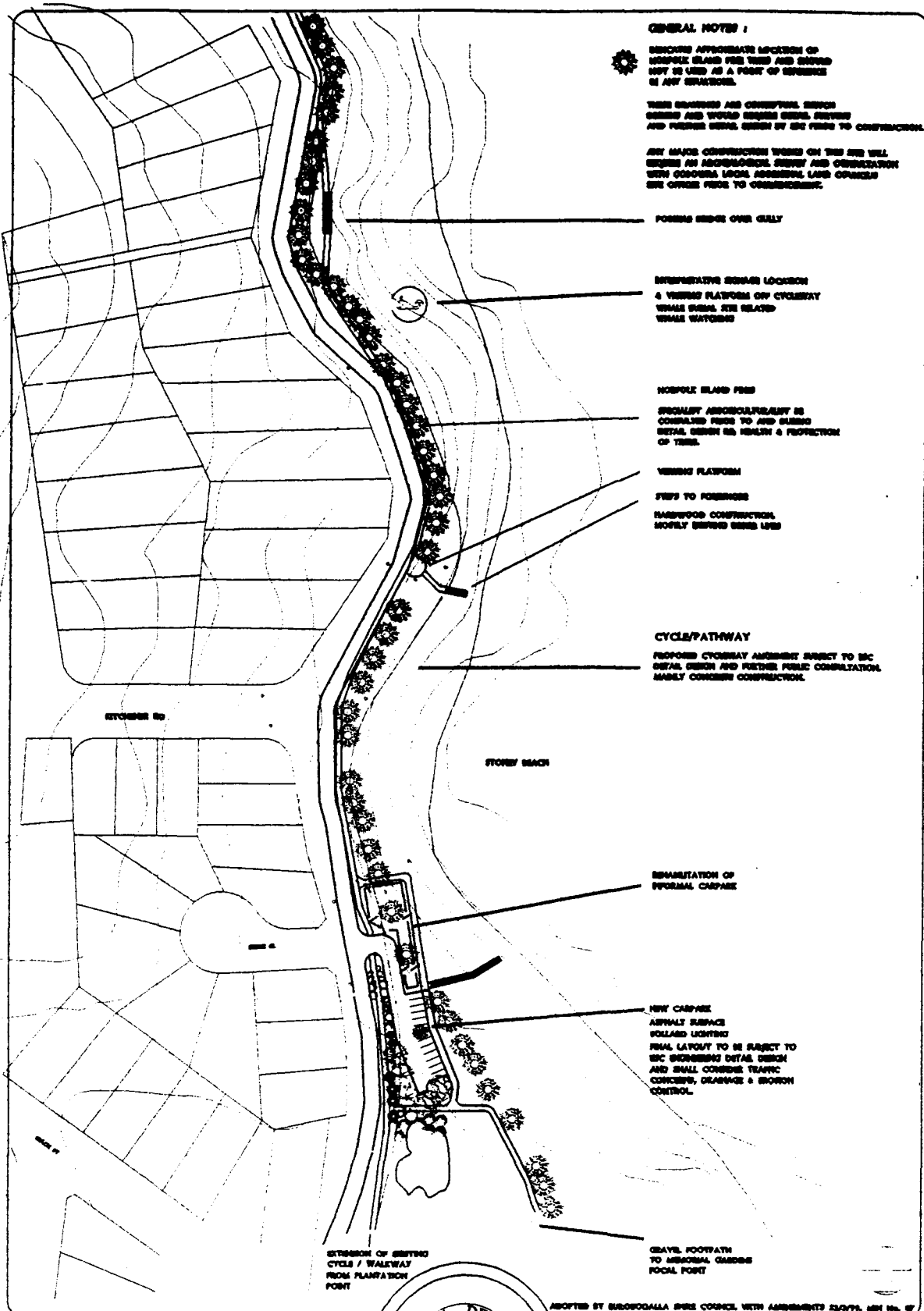


DESIGN
TELEPHONE & FAX
02 - 4974482


ARCHITECTS AND LANDSCAPE ARCHITECTS

TITLE
MASTERPLAN SHEET - 1
DATE **SCALE**
SEPTEMBER 2007 1 : 500
DWG.NO. **DRAWN BY**
02LS4-2 BT





GENERAL NOTES :

- 
WASTEWATER PLATFORM LOCATION OF WASTEWATER PLATFORM SHALL BE DETERMINED AND SHOWN NOT TO BE USED AS A PART OF SEWERAGE OR ANY SERVICES.
- THESE DRAWINGS ARE CONCEPTUAL DESIGN DRAWINGS AND WOULD REQUIRE DETAILED DESIGN AND FURTHER PUBLIC CONSULTATION BY THE CLIENT TO CONFIRMATION.**
- ANY MAJOR CONSTRUCTION WORKS ON THIS SITE WILL REQUIRE AN APPROVED ENVIRONMENTAL IMPACT STATEMENT AND CONSULTATION WITH GOVERNMENT AGENCIES, LOCAL COUNCILS AND OTHER RELEVANT TO CONSTRUCTION.**

FORMING BRIDGE OVER GULLY

WASTEWATER SEWAGE LOCATION
A WASTEWATER PLATFORM ON CYCLEWAY SHALL BEING THE RELATED WASTEWATER PLATFORM

WASTEWATER PLATFORM
WASTEWATER PLATFORM SHALL BE CONSTRUCTED WITH CONCRETE AND SHALL BE PROTECTED BY FENCE.

WASTEWATER PLATFORM
FENCE TO FORMER
HARDWOOD CONSTRUCTION
WASTEWATER PLATFORM SHALL BE

CYCLE/PATHWAY
PROPOSED CYCLEWAY AND PATHWAY SUBJECT TO BE DETAILED DESIGN AND FURTHER PUBLIC CONSULTATION. MAJOR CONSTRUCTION.

RECREATION OF FORMER CARPARK

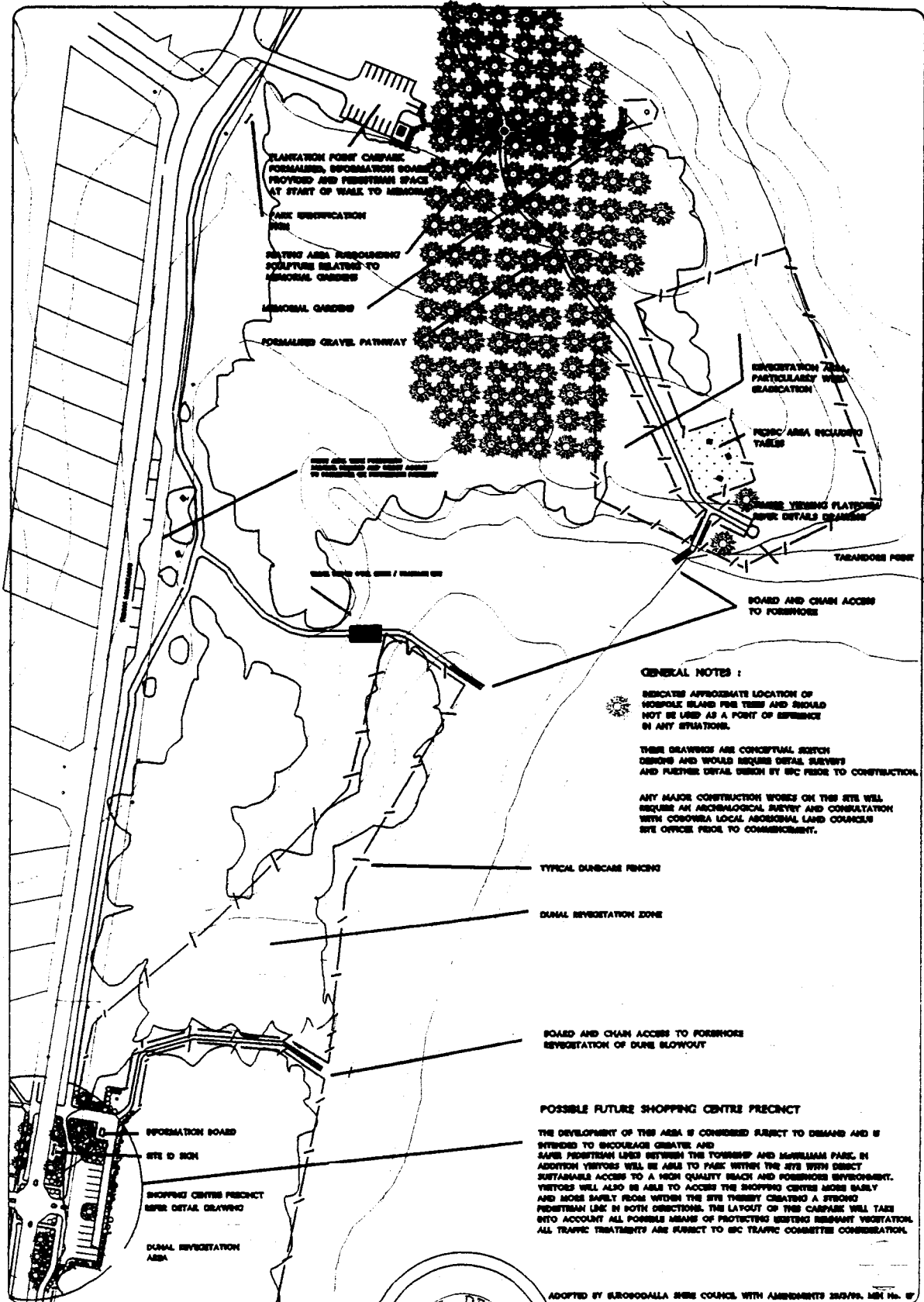
NEW CARPARK
ASPHALT SURFACE
POLLARD LIGHTING
FINAL LAYOUT TO BE SUBJECT TO BE DETAILED DESIGN AND SHALL CONSIDER TRAFFIC CONTROL, DRAINAGE & BIOMONITORING CONTROL.

GRAVEL FOOTPATH TO WASTEWATER PLATFORM FOCAL POINT

EXTENSION OF EXISTING CYCLE / WALKWAY FROM PLATFORM POINT

ADOPTED BY BIRROOGALLA SHIRE COUNCIL WITH AMENDMENTS 22/07/04, 26/01/05

 <p>PROJECT COASTAL MANAGEMENT PLAN McWILLIAM PARK, TUROSS HEAD, NSW CLIENT TUROSS LAKES PRESERVATION GROUP INC.</p>	<p>DUAL DESIGN</p> <p>F/L 10/11 PINE MOUNTAIN, BIRROOGALLA, SA 5207</p> <p>ARCHITECTS AND LANDSCAPE ARCHITECTS</p>	 <p>DESIGN</p> <p>TELEPHONE & FAX 08 8547 4400</p>	<p>TITLE MASTERPLAN SHEET - 2</p>	
			<p>DATE SEPTEMBER 2004</p>	<p>SCALE 1 : 5000</p>
			<p>DWG.NO. 02/04-4</p>	<p>DRAWN BY JF</p>



GENERAL NOTES :

INDICATE APPROXIMATE LOCATION OF MUDPOLE ISLAND FOR TREES AND SHOULD NOT BE USED AS A POINT OF REFERENCE IN ANY SITUATIONS.

THESE DRAWINGS ARE CONCEPTUAL SKETCH DESIGNS AND WOULD REQUIRE DETAIL SURVEYS AND FURTHER DETAIL DESIGN BY EPC PRIOR TO CONSTRUCTION.

ANY MAJOR CONSTRUCTION WORKS ON THIS SITE WILL REQUIRE AN ARCHAEOLOGICAL SURVEY AND CONSULTATION WITH COONABRA LOCAL ABORIGINAL LAND COUNCILS SITE OFFICER PRIOR TO COMMENCEMENT.

TYPICAL DUNSCAPE FENCING

DUNAL REVEGETATION ZONE

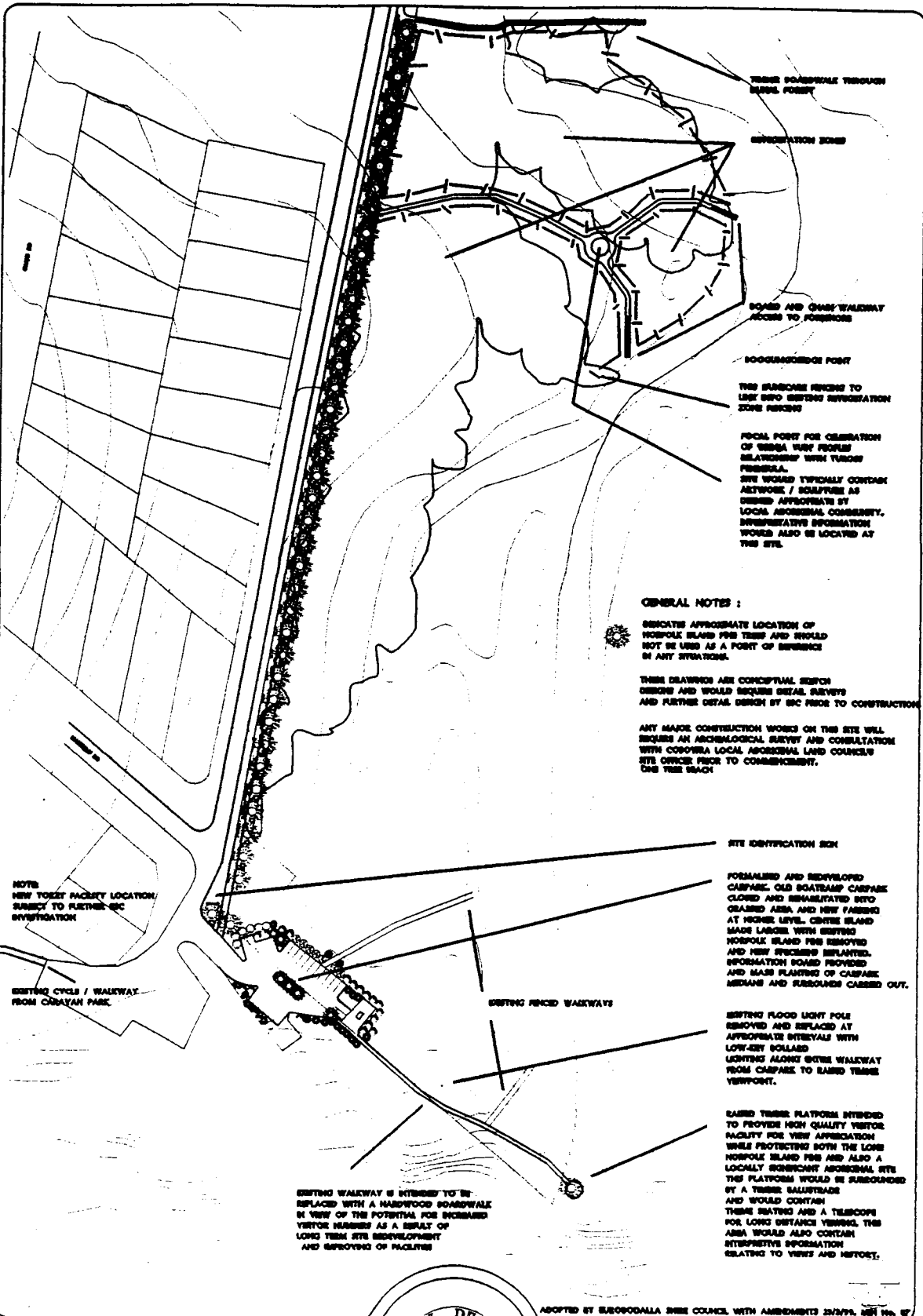
BOARD AND CHAIN ACCESS TO FORESHORE REVEGETATION OF DUNE BLOWOUT

POSSIBLE FUTURE SHOPPING CENTRE PRECINCT

THE DEVELOPMENT OF THIS AREA IS CONSIDERED SUBJECT TO DEMAND AND IS INTENDED TO ENCOURAGE GREATER AND SAFER PEDESTRIAN LINKS BETWEEN THE TOWNSHIP AND McWILLIAM PARK. IN ADDITION VISITORS WILL BE ABLE TO PARK WITHIN THE SITE WITH DIRECT SUSTAINABLE ACCESS TO A HIGH QUALITY BEACH AND FORESHORE ENVIRONMENT. VISITORS WILL ALSO BE ABLE TO ACCESS THE SHOPPING CENTRE MORE EASILY AND MORE SAFELY FROM WITHIN THE SITE THEREBY CREATING A STRONG PEDESTRIAN LINK IN BOTH DIRECTIONS. THE LAYOUT OF THE CARPARK WILL TAKE INTO ACCOUNT ALL POSSIBLE MEANS OF PROTECTING EXISTING REMNANT VEGETATION. ALL TRAFFIC TREATMENTS ARE SUBJECT TO EPC TRAFFIC COMMITTEE CONSIDERATION.

ADOPTED BY EUROPODALLA SHIRE COUNCIL WITH AMENDMENTS 28/2/99. MIN No. 87

	PROJECT COASTAL MANAGEMENT PLAN McWILLIAM PARK, TUROSS HEAD, NSW		DUAL DESIGN	TITLE MASTERPLAN - SHEET 3	
	CLIENT TUROSS LAKES PRESERVATION GROUP INC.		P.O. BOX 294 WOLFEA, N.S.W. 227	TELEPHONE & FAX 61 - 4074400	DATE SEPTEMBER 1999
					SCALE 1:1000
					DRAWN BY 88
			ARCHITECTS AND LANDSCAPE ARCHITECTS		



TRUSS BOARDWALK THROUGH BIRCH FOREST

REGISTRATION ZONE

BOARD AND GAZE WALKWAY ACCESS TO FOREST

DOORWAY/EDGE PORT

THE BARRIERS FENCE TO LINK INTO EXISTING REGISTRATION ZONE FENCE

FOCAL POINT FOR CELEBRATION OF WIRRA WIRRA PEOPLE RELATIONSHIP WITH TURKISH FEDERAL. SITE WOULD TYPICALLY CONTAIN ARTWORK / SCULPTURE AS DEEMED APPROPRIATE BY LOCAL ABORIGINAL COMMUNITY. INTERPRETIVE INFORMATION WOULD ALSO BE LOCATED AT THE SITE.

GENERAL NOTES :

INDICATE APPROXIMATE LOCATION OF WIRRA WIRRA PFB THIS AND WOULD NOT BE USED AS A POINT OF REFERENCE IN ANY SITUATION.

THESE DRAWINGS ARE CONCEPTUAL SKETCHES AND WOULD REQUIRE DETAILED SURVEYS AND FURTHER DETAIL DESIGN BY EPC PRIOR TO CONSTRUCTION

ANY MAJOR CONSTRUCTION WORKS ON THIS SITE WILL REQUIRE AN ARCHAEOLOGICAL SURVEY AND CONSULTATION WITH COONABYRA LOCAL ABORIGINAL LAND COUNCIL'S SITE OFFICE PRIOR TO COMMENCEMENT OF THE WORK.

NOTE
NEW TOILET FACILITY LOCATION
SUBJECT TO FURTHER EPC
INVESTIGATION

EXISTING CYCLE / WALKWAY
FROM CARAYAN PARK

SITE IDENTIFICATION SIGN

FORMALISED AND REDEVELOPED CARPARK. OLD BOATRAMP CARPARK CLOSED AND REHABILITATED INTO GRASED AREA AND NEW PARKING AT HIGH LEVEL. CENTRE ISLAND MARK LARGELY WITH EXISTING WIRRA WIRRA PFB REMOVED AND NEW SPECIES PLANTED. INFORMATION BOARD PROVIDED AND MASS PLANTING OF CARPARK MERRIEM AND SURROUNDING AREAS CARRIED OUT.

EXISTING FLOOD LIGHT POLE REMOVED AND REPLACED AT APPROPRIATE INTERVALS WITH LOW KEY COLLARED LIGHTING ALONG BOTH WALKWAY FROM CARPARK TO RAISED TERRACE VERGEMENT.

RAISED TERRACE PLATFORM INTENDED TO PROVIDE HIGH QUALITY VISITOR FACILITY FOR VIEW APPRECIATION WHILE PROTECTING BOTH THE LOW WIRRA WIRRA PFB AND ALSO A LOCALLY SIGNIFICANT ABORIGINAL SITE THE PLATFORM WOULD BE SURROUNDED BY A TRUSS BALUSTRADE AND WOULD CONTAIN TERRACE SEATING AND A TELESCOPE FOR LONG DISTANCE VIEWING. THE AREA WOULD ALSO CONTAIN INTERPRETIVE INFORMATION RELATING TO WIRRA WIRRA AND HISTORY.

EXISTING WALKWAY IS INTENDED TO BE REPLACED WITH A HARDWOOD BOARDWALK IN VIEW OF THE POTENTIAL FOR INCREASED VISITOR NUMBERS AS A RESULT OF LONG TERM SITE REDEVELOPMENT AND IMPROVING OF FACILITIES

ADOPTED BY SUBSIDIARY BIRCH COUNCIL WITH AMENDMENTS 25/2/99. DEN No. 87



PROJECT
COASTAL MANAGEMENT PLAN
MCWILLIAM PARK, TUROSS HEAD, NSW
CLIENT
TUROSS LAKES PRESERVATION GROUP INC.

DUAL
P.O. BOX 346
MORBYA, N.S.W. 2507



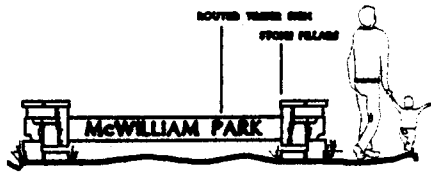
DESIGN
TELEPHONE & FAX
75 467438

ARCHITECTS AND LANDSCAPE ARCHITECTS

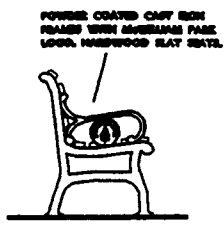
TITLE
MASTERPLAN SHEET - 4
DATE
SEPTEMBER 1999
DWG. NO.
DOLM-4

SCALE
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DRAWN BY
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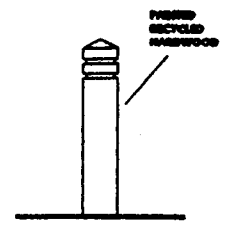




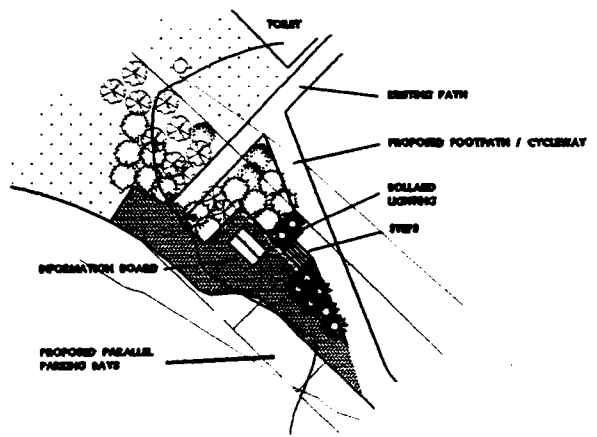
SITE IDENTIFICATION SIGN 1 : 50



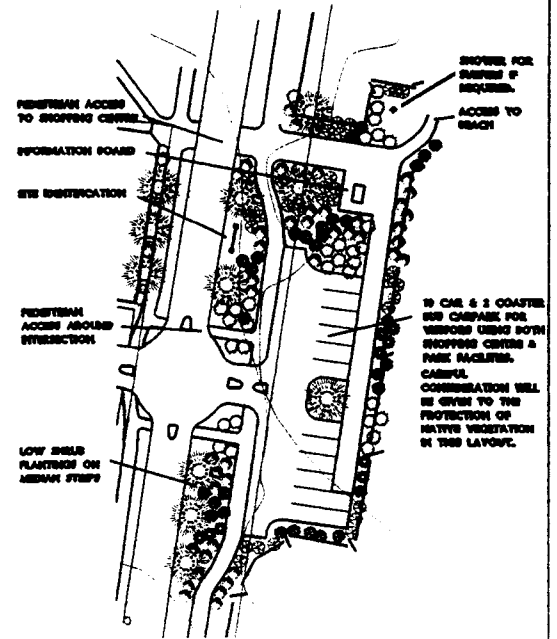
POSSIBLE CHARACTER SEAT
1 : 20



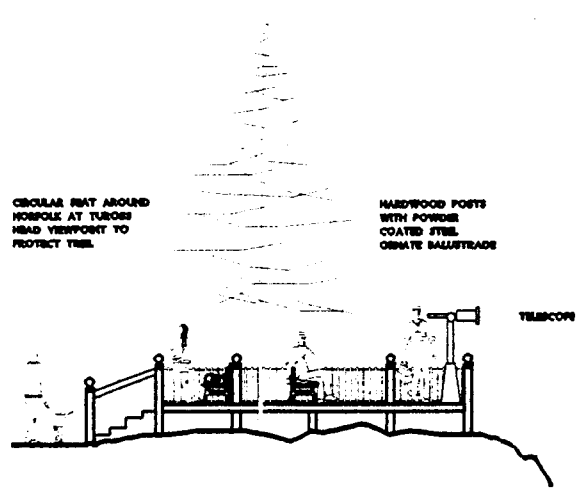
POSSIBLE BOLLARD
1 : 20



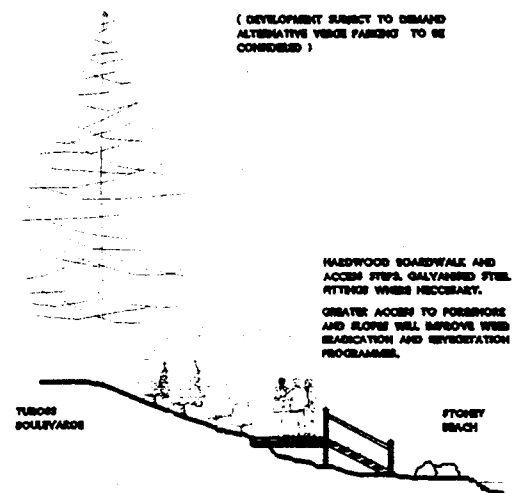
COILA BAR ENTRY AREA DETAIL 1 : 250



POSSIBLE FUTURE SHOPPING CENTRE PRECINCT DETAIL
1 : 500



RAISED VIEWING PLATFORM 1 : 75



VIEWING PLATFORM STEPS 1 : 100

ADOPTED BY EUROBOGALLA SHIRE COUNCIL WITH AMENDMENTS 23/3/95. MIN No. 87



PROJECT
COASTAL MANAGEMENT PLAN
McWILLIAM PARK, TUROSS HEAD, NSW
CLIENT
TUROSS LAKES PRESERVATION GROUP INC.

DUAL
P.O. BOX 194
MORFITT, N.S.W. 2237



DESIGN
TELEPHONE & FAX
92 - 4674389

TITLE
DETAILS
DATE
SEPTEMBER 1997
DWG. NO.
B0134-7

SCALE
AS SHOWN
DRAWN BY
BT

ARCHITECTS AND LANDSCAPE ARCHITECTS

10.2 FLORA LIST

<i>Araucaria heterophylla</i>	Norfolk Island Pine (NI)
<i>Acacia sophorae</i>	Coastal Wattle
<i>Banksia marginata</i>	Silver Banksia
<i>Banksia serrata</i>	Saw Banksia
<i>Casuarina stricta</i>	Drooping She-oak
<i>Coprosma repens</i>	Mirror Bush (NZ)
<i>Carpobrotus glaucescens</i>	Pig face
<i>Kikuyu</i>	
<i>Westringia fruticosa</i>	Coastal Rosemary
<i>Rubus fruticosus</i>	Blackberry (Eur)
<i>Lomandra longifolia</i>	Mat Rush
<i>Pittosporum undulatum</i>	Sweet pittosporum
<i>Juncus spp.</i>	Rush
<i>Kennedia rubicunda</i>	Dusky Coral Pea
<i>Eucalyptus botryoides</i>	Bangalay
<i>Pteridium esculentum</i>	Bracken
<i>Rhagodia baccata</i>	Seaberry saltbush
<i>Rubus spp.</i>	Native Raspberry
<i>Leptospermum laevigatum</i>	Coastal tea tree
<i>Spinifex hirsutus</i>	Spinifex
<i>Themeda australis</i>	Kangaroo grass
<i>Melaleuca spp.</i>	
<i>Hymenathera dentata</i>	Violet Tree
<i>Myoporum Insulatum</i>	Boobialla
<i>Acmena smithii</i>	Lilly Pilly
<i>Austrofestuca littoralis</i>	Beach Fescue
<i>Chrysanthemoides moniflora</i> (<i>spp. rotundata</i>)	Bitou Bush (S. Africa)
<i>Hydrocotyle bonariensis</i>	Penny Wort (S. America)
<i>Pelargonium australe</i>	Coastal Pelargonium (Native Geranium)
<i>Cassia spp.</i>	Cassia (S. America)
<i>Ficus rubiginosa</i>	Rusty Fig
<i>Banksia integrifolia</i>	Coastal Banksia
<i>Casuarina spp.</i>	Coastal types
<i>Senecio mikantoides</i>	German Ivy (S. Africa)
<i>Alyxia buxifolia</i>	Sea Box

EUROBODALLA NATURAL HISTORY SOCIETY Inc.

P O. BOX 248

BATEMANS BAY. NSW 2536

BIRD LIFE RECORDED IN McWILLIAM PARK, TUROSS HEAD, NSW 1988-1998.

* probably breeding nearby

** breeding nearby

*** breeding in McWilliam Park

Little Penguin Eudyptula minor At seaBlack-browed Albatross Diomedea melanophrys. At seaYellow-nosed Albatross Diomedea chlororhynchus. At seaShy Albatross Diomedea cauta. At seaShort-tailed Shearwater Puffinus tenuirostris. At seaAustralian Pelican Pelecanus conspicillatus. Close inshoreAustralasian Gannet Sula serrator. At seaLittle Pied Cormorant Phalacrocorax melanoleucos Close inshoreGreat Cormorant Phalacrocorax carbo Close inshoreLittle Black Cormorant Phalacrocorax sulcirostris Close inshoreWhite-faced Heron Ardea novaehollandiae. On shorelineGreat Egret Ardea alba OverflyingLittle Egret Ardea garzetta. OverflyingEastern Reef Egret Ardea sacra. On shorelineAustralian White Ibis Threskiornis molucca. On shoreline, overflyingRoyal Spoonbill Platalea regis OverflyingBlack Swan Cygnus atratus OverflyingBlack-shouldered Kite Elanus axillaris** Whistling Kite Haliastur sphenurus Breeds nearbyBrown Goshawk Accipiter fasciatus** White-bellied Sea-Eagle Haliaeetus leucogaster Breeds nearbyAustralian Hobby Falco longipennis** Australian Kestrel Falco cenchroides Breeds nearbyPied Oystercatcher Haematopus longirostris On shorelineSooty Oystercatcher Haematopus fuliginosus On shoreline** Red-capped Plover Charadrius ruficapillus On shoreline, breeds nearbySilver Gull Larus novaehollandiae On shoreline, at seaPacific Gull Larus pacificus On shoreline, at sea

continued...

EUROBODALLA NATURAL HISTORY SOCIETY Inc.

P O. BOX 248

BATEMANS BAY. NSW 2536

BIRD LIFE RECORDED IN McWILLIAM PARK, TUROSS HEAD, NSW 1988-1998.Caspian Tern Hydroprogne caspia On shoreline; at seaWhite-fronted Tern Sterna striata On shoreline; at seaLittle Tern Sterna albifrons. OverflyingCrested Tern Sterna bergii. On shoreline; at sea** White-headed Pigeon Columba leucomela Breeds nearby** Spotted Turtle-Dove Streptopelia chinensis Breeds nearby** Crested Pigeon Ocyphaps lophotes Breeds nearbyYellow-tailed Black-Cockatoo Calyptorhynchus funereus● Galah Cacatua roseicapilla Breeds nearbySulphur-crested Cockatoo Cacatua galerita* Rainbow Lorikeet Trichoglossus haematodus Probably breeding nearbyLittle Lorikeet Glossopsitta pusilla** King Parrot Alisterus scapularis Breeds nearby** Crimson Rosella Platycercus elegans Breeds nearby** Eastern Rosella Platycercus eximius Breeds nearbyFan-tailed Cuckoo Cuculus pyrrhophanus Summer-breeding migrantHorsfield's Bronze-Cuckoo Chrysococcyx basalis Summer-breeding
migrantBarn Owl Tyto alba Seen once● White-throated Needletail Hirundapus caudacutus Summer migrant** Laughing Kookaburra Dacelo novaeguineae Breeds nearby** Welcome Swallow Hirundo neoxena Breeds nearby* Richard's Pipit Anthus novaeseelandiae Probably breeding nearby* Black-faced Cuckoo-shrike Coracina novaehollandiae Probably
breeding nearby** Eastern Yellow Robin Eopsaltria australis Breeds nearby** Golden Whistler Pachycephala pectoralis Breeds nearby** Grey Shrike-thrush Colluricincla harmonica Breeds nearby* Grey Fantail Rhipidura fuliginosa Probably breeding nearby** Willie Wagtail Rhipidura leucophrys Breeds nearby*** Superb Fairy-wren Malurus cyaneus Breeding*** Variegated Fairy-wren Malurus lamberti Breeding*** White-throated Scrubwren Sericornis frontalis breeding

continued.....

EUROBODALLA NATURAL HISTORY SOCIETY Inc.

P O. BOX 248

BATEMANS BAY. NSW 2536

BIRD LIFE RECORDED IN McWILLIAM PARK, TUROSS HEAD, NSW 1988-1998.

- *** Brown Thornbill Acanthiza pusilla Breeding
- *** Yellow-rumped Thornbill Acanthiza chrysorrhoa Breeding
- *** Yellow Thornbill Acanthiza nana Breeding
- Varied Sittella Daphnoenositta chrysoptera
- ** Red Wattlebird Anthochaera carunculata Breeds nearby
- ** Little Wattlebird Anthochaera chrysoptera Breeds nearby
- ** Noisy Friarbird Philemon corniculatus Breeds nearby
- * Lewin's Honeyeater Meliphaga lewinii Probably breeding nearby
- ** Yellow-faced Honeyeater Lichenostomus chrysops Breeding nearby
- White-naped Honeyeater Melithreptus lunatus
- *** New Holland Honeyeater Phylidonyris novaehollandiae Breeding
- ** Eastern Spinebill Acanthorhynchus tenuirostris Breeds nearby
- Spotted Pardalote Pardalotus punctatus
- * Silvereye Zosterops lateralis Probably breeds nearby
- ** House Sparrow Passer domesticus breeds nearby
- *** Red-browed Firetail Emblema temporalis breeding
- ** Common Starling Sturnus vulgaris breeds nearby
- Spangled Drongo Dicrurus hottentottus Winter migrant
- ** Satin Bowerbird Ptilonorhynchus violaceus breeds nearby
- *** Australian Magpie-lark Grallina cyanoleuca breeding
- *** Pied Currawong Strepera graculina breeding
- ** Grey Butcherbird Cracticus torquatus breeds nearby
- *** Australian Magpie Gymnorhina tibicen breeding
- * Australian Raven Corvus coronoides probably breeds nearby

continued...

EUROBODALLA NATURAL HISTORY SOCIETY Inc.

P O. BOX 248

BATEMANS BAY. NSW 2536

MAMMALS, REPTILES & AMPHIBIANS OF McWILLIAM PARK, TUROSS HEAD, NSW

Short-beaked Echidna Tachyglossus aculeatus
Antechinus sp. (not identified to species)
Microchiropteran insectivorous Bats (not identified to species)
Black Rat Rattus rattus
Humpback Whale Megaptera novaeangliae
Whale sp (not identified to species)
Australian Fur Seal Arctocephalus pusillus
Common Dolphin Delphinus delphis
Rabbit Oryctolagus cuniculus
Gippsland Water Dragon Physignathus lesueurii ssp howitti
Jacky Lizard Amphibolurus muricatus
Skins (not identified to species)
Eastern Blue-tongued Lizard Tiliqua scincoides
Red-bellied Black Snake Pseudechis porphyriacus
Frogs (not identified to species)
Sharks (not identified to species)

This list of birdlife, mammals, reptiles and amphibians has been prepared by G. Rayner and A. Harris, residents of Tuross Head and members of Eurobodalla Natural History Society inc.

This list may not be entirely complete as the area has not been the subject of an intense or coordinated survey. These remnants of coastal vegetation, however, provide a habitat for species of birds and other animal life that are not quite at home in the suburban landscape. The remnants are havens of food, shelter and nesting sites and are well worth preserving to ensure a diversity of species.

J. White, Chair, E.N.H.S. September, 1998

EUROBODALLA COUNCIL

SUPPLEMENTARY AGENDA

WORKS AND FACILITIES COMMITTEE MEETING
to be held on Tuesday 9 March 1999
commencing at 9.30am
(90.1221)

REPORTS - To be considered by the Committee and determined by Council

W10 Coastal Management Plan - McWilliam Park, Tuross Head

97.1398

W10 COASTAL MANAGEMENT PLAN - MCWILLIAM PARK, TUROSS HEAD

97.1398

OBJECTIVE

1. To advise the Committee on the response received to the public exhibition of the Draft Coastal Management Plan for McWilliam Park, Tuross Head.
2. To recommend amendments to the draft Plan for final adoption.

HISTORY

The Tuross Head Preservation Group (TLPG) was successful in 1998 in receiving a Coastcare grant of \$8,800. This grant was for the engagement of a consultant to prepare a Coastal Management Plan for McWilliam Park, Tuross Head. These funds were supplemented by an allocation of \$2,000 from the Eurobodalla Landcare Management Committee, and coordination and technical services from the TLPG and Council bringing the total project value to \$15,330.

This project, as previously reported to Council, is very unique in the State in that a grant has been allocated to a community group to arrange for the preparation of a detailed master plan for a Council public reserve. Mr Stuart Scobie of Dual Design, Moruya was appointed in June 1998 to prepare the Coastal Plan. A contract between the TLPG and Mr Scobie was signed for the consultancy work.

Following site inspections, community, Aboriginal and Council liaison a Draft Coastal Plan was prepared. This was presented to Works and Facilities Committee on the 8 September 1998 for consideration. It was subsequently resolved that:

1. The Draft Coastal Management Plan for McWilliam Park, Tuross Head be placed on public exhibition for 28 days with 42 days for submissions.
2. Written comment be received by Council and the matter be referred to the Works and Facilities Committee for consideration.
3. The Coastal Management Plan be exhibited in accordance with the procedures of the Local Government Act for Plans of Management with a view to being adopted in Council's Generic Developed Reserves and Facilities Plan of Management."

CONSIDERATIONS

The Draft Coastal Plan covers the foreshore public reserve along Tuross Boulevard and extends from Coila Lake to One Tree Point. The Plan looks at both long and short term planning and takes into account recreational and environmental needs as well as considering traffic flows. It should be noted that no funds are available at this stage for proposals highlighted with the exception of the next stage of the cycleway.

W10 COASTAL MANAGEMENT PLAN - MCWILLIAM PARK, TUROSS HEAD

97.1398

The Draft Plan was placed on exhibition by Council from 16 September 1998 for a period of 28 days with 42 days being allowed for written submissions. This closed on 4 November 1998. Proposed amendments to Council's Generic Developed Reserves and Facilities Plan of Management were also indicated so that the Coastal Plan when finalised could be officially authorised.

The Draft was on display at Council's Main Administration Office, Libraries, Depots and at a shopfront in Evans Road Tuross. The TLPG coordinated an information evening at the Tuross Progress Hall for the public.

The TLPG has actively promoted the concept of the Plan as belonging to the whole community and have encouraged submissions to Council so that community opinion could be gauged.

Summary of Responses

A total of 17 written submissions were received. 13 of these were from individuals with 4 from local community organisations.

A summary of the comments follows in this report. These comments have been grouped into different categories for review. All submissions are available on Council's file for the information of Councillors. The landscape consultant, Mr Stuart Scobie has assisted in the review of the submissions. The TLPG, playing a key role in the coordination of the Plan, will also be given an opportunity to comment on this report at the Works and Facilities Committee meeting.

An extract of the Draft Plan is attached (Appendix B) for information purposes. The complete document was previously available to Councillors and is also available on file.

1. General

- 1.1 Overall positive support for the concept of a Coastal Management Plan for the site.
- 1.2 Land dedicated by H McWilliam for preserving plant and birdlife and as a public reserve
- 1.3 Councillors should inspect prior to any decisions.
- 1.4 Area be recategorised into Natural Area, Cultural Significant and Parkland rather than just listed as Parkland in Council's Plan of Management.
- 1.5 Edit format and errors in written document.
- 1.6 Council should set up Management Committee for the whole site.
- 1.7 Council should not waste money on these proposals and concentrate on commercial fishing control at Tuross to reinstate good fishing.

W10 COASTAL MANAGEMENT PLAN - MCWILLIAM PARK, TUROSS HEAD

97.1398

Staff Comments:

- 1.1 -
- 1.2 *Already noted in the Plan.*
- 1.3 *Agree.*
- 1.4 *Land is currently categorised as "Parkland". Under the recent changes to the Local Government Act Community Land provisions any reclassification has to be publicly exhibited and undergo a process of an independent public hearing. Currently before Council is a report on the impact of the changes in the Act on Plans of Management and Reclassification. It is recommended that no action be taken to alter the classification at this stage and that consideration be given as part of an overall strategy currently before Council.*
- 1.5 *Agree.*
- 1.6 *If sufficient interest exists in the community, a Council Management Committee could be set up with the existing Memorial Gardens Management Committee as a sub Committee rather than have two committees. Coastal Plan points to a Management Committee structure.*
- 1.7 *Noted.*

Landscape Consultant's Comment:

Agree with staff comments.

2. Coila end of Park

- 2.1 Disagree with observation area to Coila.
- 2.2 Eliminate proposal for formal car parking at Bridges Avenue.

Staff Comments:

Proposals suggested are sound longer term enhancements.

Landscape Consultant's Comment:

Agree with staff comments.

3. Carpark adjacent Kerrie Close

- 3.1 Car park design at Stoney Beach needs to consider erosion problems.
- 3.2 Support for planting and 1 metre wide path.
- 3.3 Objections to carpark as it is a dangerous corner.
- 3.4 Suggest alternative carpark/pedestrian crossing at the corner of Beach Street or seal existing informal carpark.
- 3.5 No lighting as it will destroy natural setting.
- 3.6 Suggest alternative carpark with access from carpark at Memorial Gardens.

W10 COASTAL MANAGEMENT PLAN - MCWILLIAM PARK, TUROSS HEAD

97.1398

Staff Comments:

- 3.1 *Agree.*
- 3.2 *Pathway subject to discussion within Cycleway Section of report.*
- 3.3 *Carpark layout and access will be subject to engineering design that will consider safety issues. Final layout to be determined at that stage.*
- 3.4 *As for 3.3.*
- 3.5 *Lighting proposed is low key bollard type and is intended to enhance natural setting and improve safety.*
- 3.6 *Should be considered during design phase.*

Landscape Consultant's Comment:

Agree with staff comments.

4. Memorial Gardens

- 4.1 *Delineate actual boundary of future walls. Future plaques could be along path.*
- 4.2 *Further development should be minimal.*
- 4.3 *Existing walls should be soft green.*
- 4.4 *Plaques should be restricted to serviceman.*

Staff Comments:

- 4.1 *Suggest allowance be made to expand memorial to one extra row of walls only.*
- 4.2 *Agree.*
- 4.3 *Existing colours consistent with RSL memorial symbolism and should be retained.*
- 4.4 *Agree, this is not a cemetery. Reflect in Plan.*

Landscape Consultant's Comment:

Agree with staff comment.

5. Tarandore Point

- 5.1 *Support proposals for development.*

Staff Comments:

Agree.

W10 COASTAL MANAGEMENT PLAN - MCWILLIAM PARK, TUROSS HEAD

97.1398

6. Boogumgoridge Point

6.1 Support for Aboriginal focal point.

Staff Comments:

Agree.

7. Carpark Opposite Shops

7.1 Delete carpark opposite shops and provide alternative verge parking.

7.2 Retain native vegetation and delete carpark. Protect region.

7.3 Showers should not be installed, discourage use of beach as it is dangerous.

Staff Comments:

7.1 *It is recommended that the Plan indicate the carpark as a possible future development subject to demand and not a definite proposal. Alternative layouts such as verge parking will be considered.*

7.2 *Note to be added to Plan to indicate need for careful consideration of vegetation.*

7.3 *Showers are only a suggestion and would only be installed if there was a high demand.*

Landscape Consultant's Comment:

Agree with staff comments.

8. One Tree Point

8.1 Support proposals.

8.2 Need to upgrade carparking, including disabled and appropriately placed toilets.

8.3 Flood light should be retained as it provides subdued beach lighting and navigational aid.

8.4 Upgrading not necessary, keep low key.

8.5 Position disabled toilet more appropriately.

Staff Comments:

8.1 -

8.2 *Agree except for toilets.*

8.3 *Support the concept of low key bollard lighting to enhance the area rather than floodlight.*

8.4 *Site is currently eroding and will suffer with time and increased usage. Proposed works will protect and enhance for the future.*

W10 COASTAL MANAGEMENT PLAN - MCWILLIAM PARK, TUROSS HEAD

97.1398

- 8.5 *Council's Toilet Block Strategy indicates no definite proposals for the One Tree Point location. Further investigation and public consultation is required before a decision is made. It therefore is recommended that the proposed toilets be deleted from the Plan and that Council's intention of further research be reflected in the Plan.*

Landscape Consultant's Comment:

Agree with above. New Toilet Block if required however is considered to be inappropriate within McWilliam site and more practical in adjacent carpark zone.

9. Toilets

- 9.1 No toilets needed at Plantation Point, suggest sign to shops.
9.2 Objection to any new toilets, area already well serviced

Staff Comments:

See Landscape Consultant's comment.

Landscape Consultant's Comment:

Plan does not indicate toilets at Plantation Point. Early site analysis makes mention of possibility however proposals in this area do not include toilets.

10. Art Work

- 10.1 Support artwork but should be on low walls not cycleway.
10.2 Insufficient artwork proposed.
10.3 Suggestions made on public art proposals and locations depicting relevant themes of the Tuross.

Staff Comments:

See Landscape Consultant's comment.

Landscape Consultant's Comment:

Artwork is part of a more detailed stage of development and is not precluded from any specific location. Fully support concept of Public Art.

W10 COASTAL MANAGEMENT PLAN - MCWILLIAM PARK, TUROSS HEAD

97.1398

11. Signage

- 11.1 Need McWilliam Park signs.
- 11.2 Relocate sign at northern end of reserve.
- 11.3 Interpretive signs should be low key.
- 11.4 Forget new signs, existing will do.

Staff Comments:

See Landscape Consultant's comment.

Landscape Consultant's Comment:

Currently there is no continuity with signage, some are incorrect. Recommend following Plans proposals.

12. Stormwater

- 12.1 Request funding to upgrade of stormwater controls in 1999/04 budget to reduce pollution.

Staff Comments:

No estimate or detail of works required provided in Plan. Council has completed a "Work as Executed" survey of the Tuross system including those noted in the Plan. Priorities for upgrade works will need to be considered as part of Council's overall strategy.

Landscape Consultant's Comment:

Agree.

13. Traffic

- 13.1 Road should be one way from Bridges Avenue to Kitchener with 45 degree parking to allow room for cycleway.
- 13.2 Slow down traffic on Tuross Boulevard especially near shops in accordance with ESC Traffic Committee.
- 13.3 Support parking restriction on the corner of Bridges and Tuross Boulevard.
- 13.4 Tourist bus parking could be near shops, playground, toilets (ie western side of Tuross Boulevard).
- 13.5 Centreline road marking is required on Tuross Boulevard and traffic calming devices.
- 13.6 Restrict vehicle speed by speed humps, restrictions, chicanes.
- 13.7 No need for roundabout, suggest pedestrian crossing.

W10 COASTAL MANAGEMENT PLAN - MCWILLIAM PARK, TUROSS HEAD

97.1398

Staff Comments:

- 13.1 *Refer to comment within Cycleway Section of this report.*
- 13.2 *This Plan technically covers the reserve only. However traffic flows and concerns obviously impact on the access and use of the parkland.
Traffic problems should be referred to Traffic Committee for consideration.
The possible introduction of the 50kph speed limit in residential areas is seen as a positive measure to improve safety.*
- 13.3 *Restrictions will be considered during road/cycleway design for that area.*
- 13.4 *Will be addressed as the need arises.*
- 13.5 *As for 13.2.*
- 13.6 *As for 13.2.*
- 13.7 *As for 13.2. Roundabout should be removed from Coastal Plan and traffic matters should be referred to traffic committee for consideration.*

Landscape Consultant's Comment:

Agree with staff comments.

14. Vegetation

- 14.1 *Pines not to be disturbed under any circumstances for cultural, aesthetic and windbreak values. Some lopping of low branches will be required from time to time.*
- 14.2 *Retain dunal vegetation where carpark shown opposite shops.*

Staff Comments:

- 14.1 *In principal Council will endeavour to protect and preserve existing pine trees.*
- 14.2 *Refer to Section 7.*

Landscape Consultant's Comment:

Agree with Council comments.

15. Cycleway

- 15.1 *Use gravel surface instead of concrete to help reduce damage to Norfolk Pine roots.*
- 15.2 *Delete boardwalks and use gravel, cost saving.*
- 15.3 *Reduce width below RTA standards in tight sections.*
- 15.4 *Prefer timber boardwalk construction for cycleway rather than concrete with "cut and fill" engineered for stage 2. More aesthetic and environmentally sustainable.*
- 15.5 *Reduce size of boardwalk north of Stoney Beach carpark - should be concrete closer to roadway.*
- 15.6 *Roadside cycleway should have pedestrian safety barrier.*

W10 COASTAL MANAGEMENT PLAN - MCWILLIAM PARK, TUROSS HEAD

97.1398

- 15.7 Favourable comment on the existing cycleway and the need to continue in similar manner in harmony with environment and enable volunteer labour.
- 15.8 Maintain new areas as concrete as it is cheaper, within capabilities of volunteers, quicker, better long term maintenance, easier for elderly to walk.
- 15.9 Timber boardwalk is an eyesore. Give rise to litter along foreshore.
- 15.10 Cycleway should be built in conjunction with kerb and gutter to Tuross Boulevard. Kerb will protect vehicle damage to tree roots. Provide pedestrian barriers at blind corners.
Detour cycleway around existing carpark opposite Kerri Close.
- 15.11 Support for boardwalk location as it will keep pedestrians away from narrow roadway.
- 15.12 Steps to beach not needed.
- 15.13 No further cycleway should be built as it is an eyesore and hazard.
- 15.14 Cycleway along Coila will detract from natural environment.
- 15.15 Cycleway through Stoney Beach is undesirable and has negative impact. Against NSW Coastal Policy principals. Alternative to make Tuross Boulevard one way at northern end and place cycleway adjacent road.
- 15.16 Terminate cycleway at Stoney Beach.
- 15.17 Boardwalk will be unsightly, expensive and beyond the skills of volunteers. Has high maintenance and vandalism problem.
- 15.18 Volunteers preferred route is along roadway and in concrete. Safety concerns with traffic may be overcome using pine fencing.
- 15.19 Remove Pine Tree opposite No 45 so that cycleway can be better placed. Replant tree or build lookout.
- 15.20 Viewing platforms suitable but not boardwalk.
- 15.21 Thanks to Council staff for assisting in finishing stage one of the cycleway.
- 15.22 Support for one way traffic to allow the construction of cycleway near road and free space for parking.

Staff Comments:

The above summary indicates the degree of concern raised by the community over the next stage of the cycleway project.

It is the view of staff that plans should be developed in conjunction with kerb and gutter plans for the roadway so that the two projects are designed and constructed at the same time. (A draft Road Construction Program is currently before Council which nominates the roadworks be undertaken in 1999/2000).

The preferred route for the cycleway is primarily adjacent to the roadway alongside a new kerb line. A timber bridge deviation across the gully opposite the existing pedestrian walkway between the houses may be required, depending on final design.

The surface of the cycleway should be concrete which is compatible with the existing track. This surface treatment is the preferred option of the volunteers who constructed Stage 1 of the cycleway.

W10 COASTAL MANAGEMENT PLAN - MCWILLIAM PARK, TUROSS HEAD

97.1398

One of the main benefits of concrete is a longer term lower maintenance asset.

It is also recommended that the roadway be designed to accommodate traffic in both directions with carparking in specific bays. This will allow space for the positioning of the cycleway. This solution is considered acceptable from a safety viewpoint.

One way solutions for traffic cannot be justified on traffic grounds.

In relation to the comments to the potential damage to the pines if a pathway is located adjacent the road, it will be designed with all attempts to protect the existing trees.

It is recommended that the Plan be amended to show this preferred route subject to further engineering design. Appendix A indicates a concept layout of the preferred route.

Landscape Consultant's Comment:

The proposed cycleway/footpath alignment is considered to be the most appropriate for the following reasons:

- *Cyclist/pedestrian safety will be maximised by locating pathway away from road.*
 - *Most environmentally sustainable location in regard to affect on Norfolk Pines.*
 - *Maximises visitor experience.*
 - *increased visual quality of timber structure in landscape*
- Based on the public submissions the following amendments are proposed:*
- *reduce overall length of timber boardwalk to approx. 2/3 current proposal*
 - *move boardwalk route further up Stoney Beach basin.*
 - *low key timber structure with minimal handrailing to reduce visual impact.*

16. Seating

16.1 Out of character, expensive, vandal prone.

16.2 Picnic tables unnecessary.

Staff Comments:

It is important to establish a theme within the Park and maintain this in the character of signs and furniture. Refer to "13 - Other" section of report.

17. Lighting

17.1 Bollard lighting seen as inappropriate.

Staff Comments:

Low key lighting will enhance Park.

W10 COASTAL MANAGEMENT PLAN - MCWILLIAM PARK, TUROSS HEAD

97.1398

Landscape Consultant's Comment:

Agree with staff comment.

18. Other

- 18.1 Like to see skatepark area near shops (Lot 5).
- 18.2 Council should remedy sewer pump station operational problems and reduce vandalism to toilets.
- 18.3 Council should not have allowed further shops to be built.
- 18.4 Prefer seaside theme to furniture, signs, etc rather than heritage.
- 18.5 Should surf patrol be moved to One Tree Beach.
- 18.6 Congratulations to TLPG and Council on obtaining funding for Plan of Management, Suggest that Plan clearly emphasise the need to protect dunal and remnant native forests and weed control.

Staff Comments:

- 18.1 *Agree and would be subject to further report if strong community support exists.*
- 18.2 *Outside scope of Plan. Concerns regarding sewer pump station have been passed onto Water and Sewer Operations Manager.*
- 18.3 *Outside scope of Plan.*
- 18.4 *Preference to a seaside theme similar to Narooma. Plan should be amended accordingly.*
- 18.5 *Outside scope of Plan.*
- 18.6 *Agree.*

Landscape Consultant's Comment:

Agree generally with comments. Furniture theme depicted is considered appropriate, however if community opinion is sufficiently strong a combination of both heritage and coastal themes could be developed in design details.

CONCLUSION

Following public exhibition of the Draft Coastal Management Plan for McWilliam Park, Tuross Head a number of submissions have been received. Council staff and the landscape consultant, Mr Stuart Scobie of Dual Design have reviewed the submissions and addressed the comments in this report for consideration by Council.

It is therefore recommended that the Draft Plan be amended according to the Recommendations of this report and that it be incorporated into Council's Developed Reserves and Facilities Plan of Management.

W10 COASTAL MANAGEMENT PLAN - MCWILLIAM PARK, TUROSS HEAD

97.1398

It is also recommended that the Tuross Lakes Preservation Group be thanked for their involvement in the project which has included coordination and administration services.

In addition the respondents to the Draft Plan be advised of Council's resolution in this matter.

RECOMMENDED

THAT:

1. Council adopt the Draft Coastal Management Plan for McWilliam Park, Tuross Head with the following amendments and actions:
 - (a) The general format and text of the written document be edited to correct spelling and other minor editing details.
 - (b) The Plan state that Council allow for a management committee structure if sufficient community interest exists. The structure shall accommodate the existing Memorial Gardens Management Committee as a sub committee rather than have two Committees.
 - (c) Any carpark design adjacent Kerrie Close consider erosion and traffic problems as commented in this report. The Plan shall note that the final layout will be subject to engineering design.
 - (d) Further expansion of the Memorial Gardens be restricted to one extra row of walls for plaques. Plaques should also be restricted to servicemen/women.
 - (e) The carpark opposite the shops should be noted as a possible future development subject to demand and not a definite proposal, with alternative layouts such as verge parking to be considered. In addition careful consideration should be given to protection of the existing native vegetation in this area. The roundabout to be deleted from the Plan with a note that traffic treatments are subject to Traffic Committee consideration.
 - (f) The proposed toilets at One Tree Point will be subject to further investigation as noted in Council's Toilet Block Strategy. Plan shall note accordingly and remove the location suggested.
 - (g) The sign at the northern end of the reserve be relocated.
 - (h) Traffic comments be referred to the Traffic Committee for consideration.

W10 COASTAL MANAGEMENT PLAN - MCWILLIAM PARK, TUROSS HEAD

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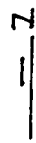
RECOMMENDED (contd)

- (i) The Plans indicate the cycleway route as shown on Appendix A, that is in concept adjacent the roadway near future kerb and guttering alignment. The exact location of the pathway and roadway kerb and gutter will be determined subject to further engineering design investigation. A small timber bridge may be incorporated to cross the gully opposite the existing pedestrian walkway. The cycleway will mainly be constructed of concrete.

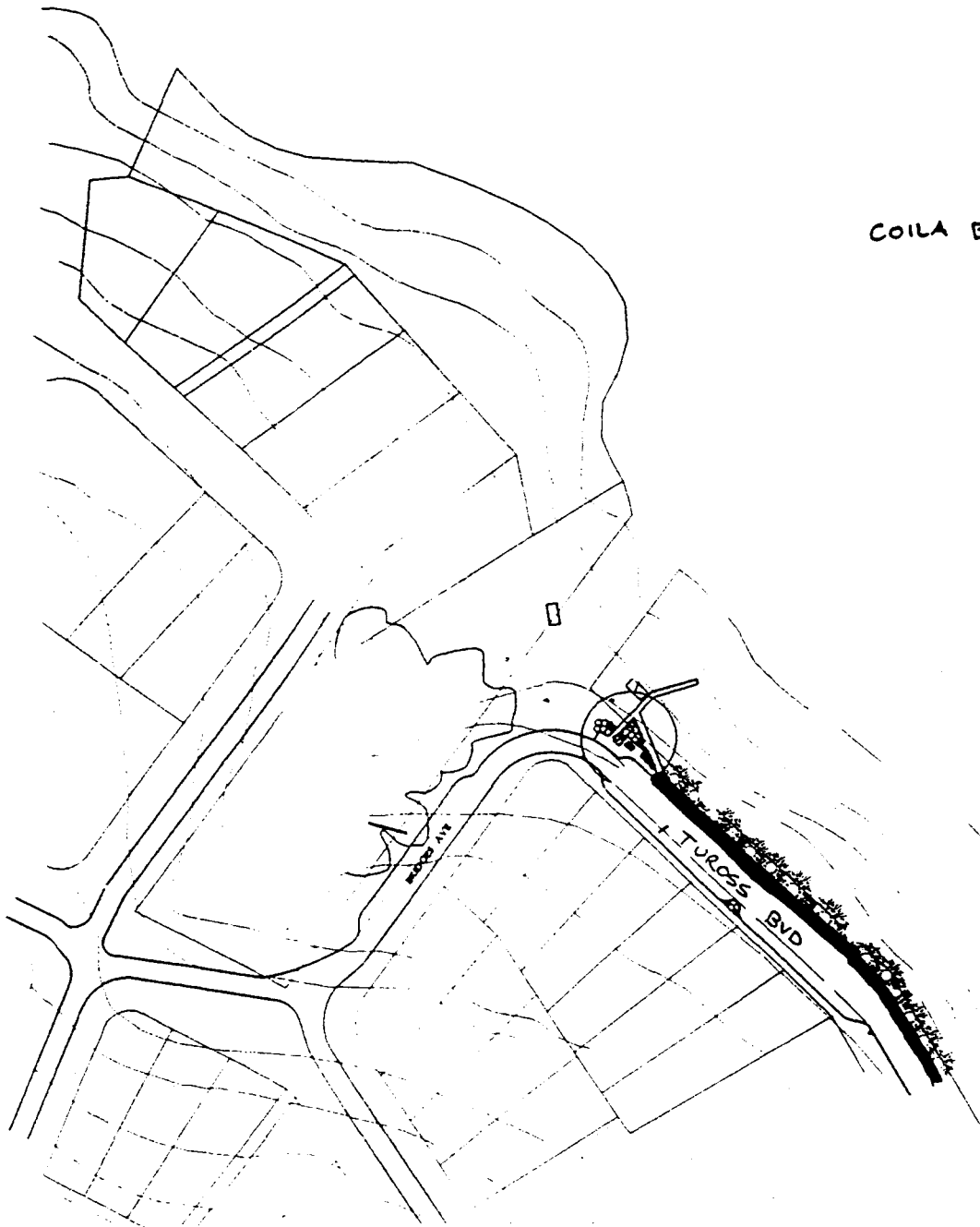
Consideration shall be given to the protection of existing trees during design and construction.


- (j) Theme for park furniture (seating, signs, etc) should be seaside style.
2. The amended Plan be incorporated in Council's Generic Developed Reserves and Facilities Plan of Management as advertised.
 3. Council consider the request to reclassify the land in the context of the overall strategy following recent amendments to the Local Government Act provisions for Community Land.
 4. The Tuross Lakes Preservation Group and Mr Stuart Scobie be thanked for their involvement in the project.
 5. The respondents to the exhibition be thanked for their input to the plan and advised of the outcome of this report.

WARREN SHARPE
TECHNICAL SERVICES MANAGER

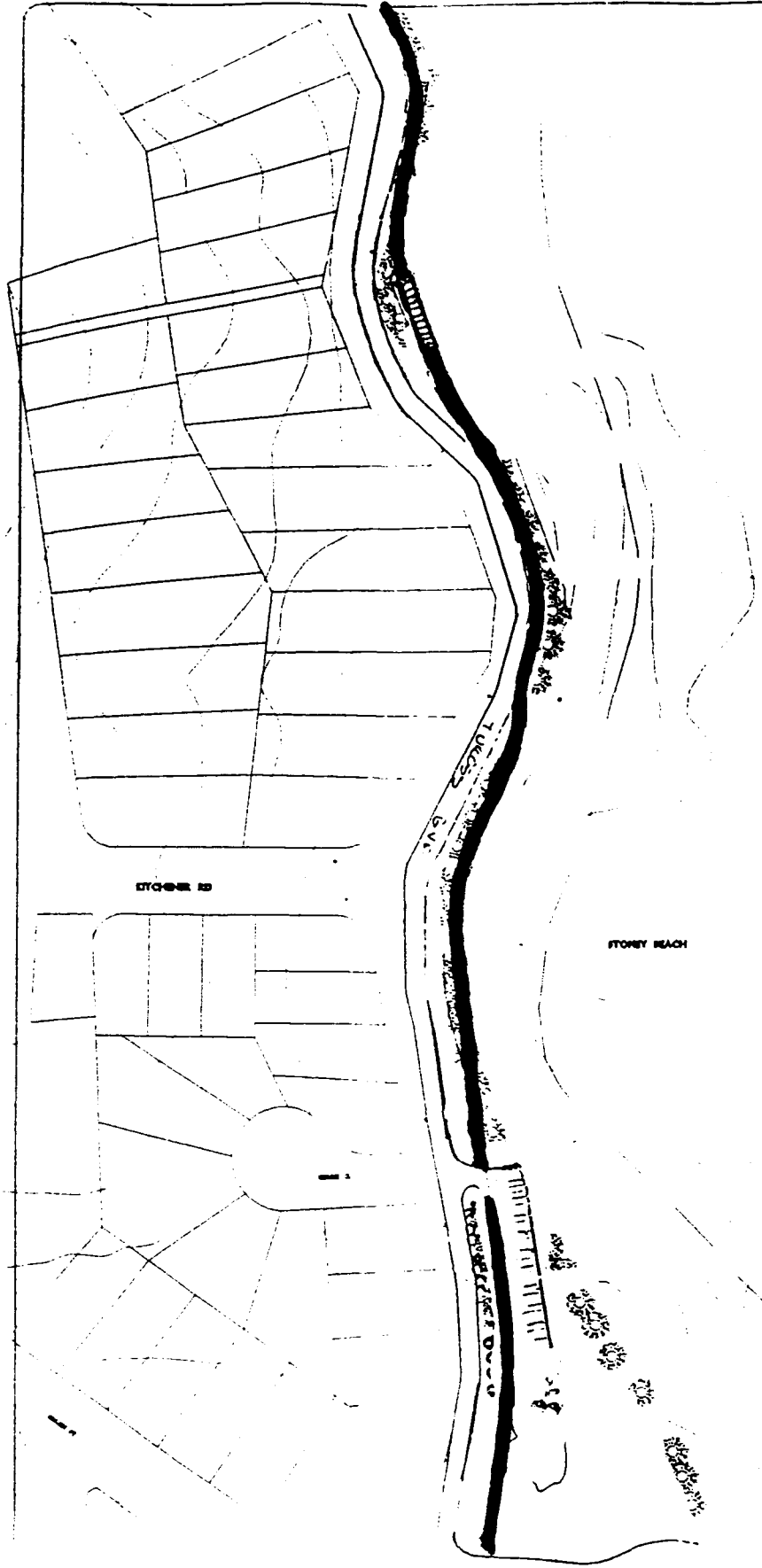
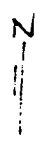


COILA BAR



 INDICATES PROPOSED SHARED CONCRETE
 BICYCLE & PEDESTRIAN PATH 2.5m WIDE.



EUROBODALLA SHIRE COUNCIL
 TUROSS BOULEVARDE CYCLEWAY
 RECOMMENDED ROUTE
 SCALE 1:2000 Feb 1993



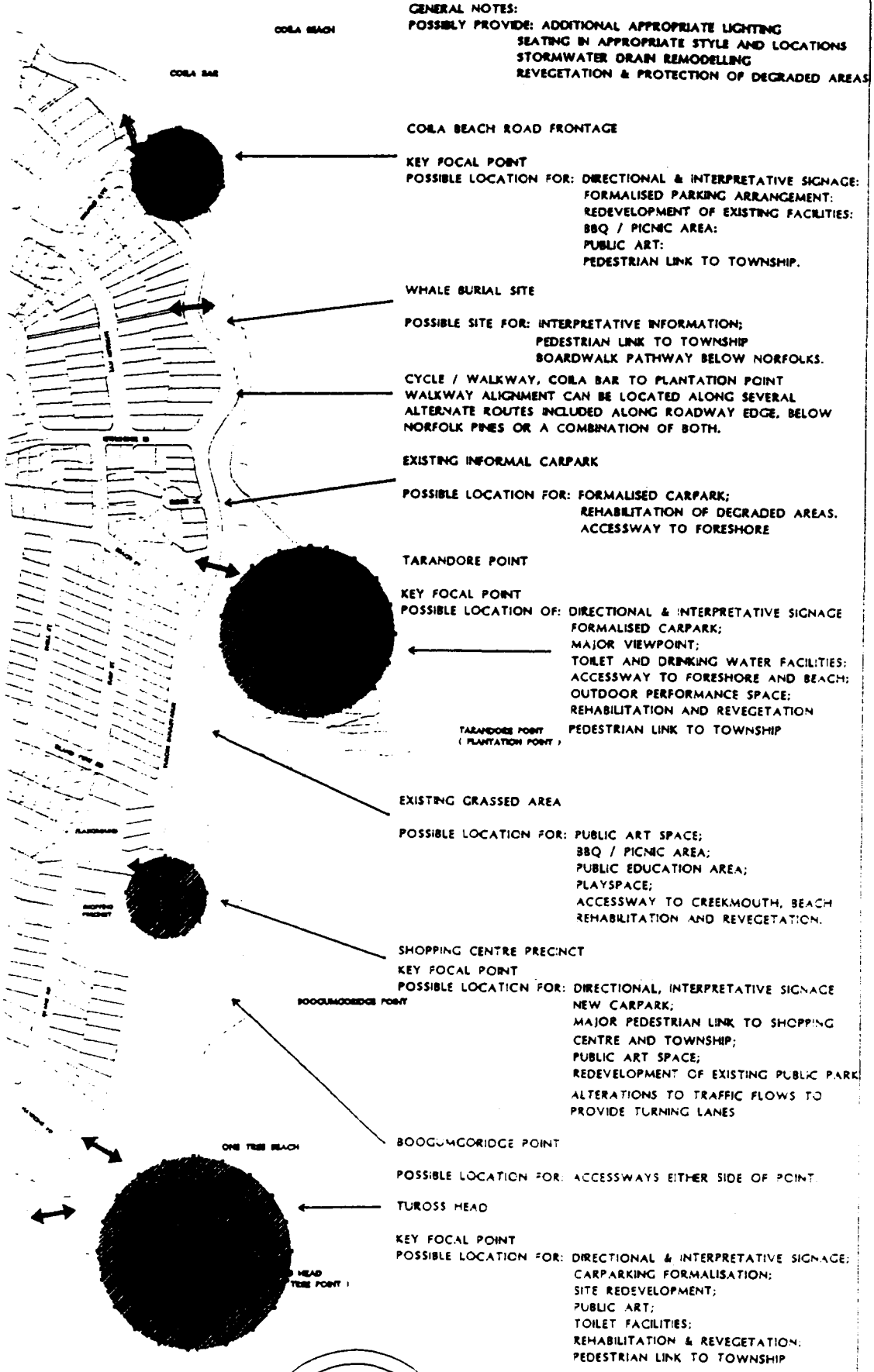
CUTCHING RD

STONEY BEACH

END OF EXISTING CYCLEWAY

 INDICATES PROPOSED SHARED CONCRETE BICYCLE & PEDESTRIAN PATH - 2.5M WIDE.
 PROPOSED ELEVATED TIMBER BOARDWALK.

EUROBODALLA SHIRE COUNCIL
TUROSS BOULEVARDE CYCLEWAY
RECOMMENDED ROUTE
SCALE 1:2000 Feb 1989



PROJECT COASTAL MANAGEMENT PLAN McWILLIAM PARK, TUROSS HEAD, NSW CLIENT TUROSS LAKES PRESERVATION GROUP	DUAL DESIGN ARCHITECTS AND LANDSCAPE ARCHITECTS		TITLE	
			SITE ANALYSIS	
			DATE	SCALE
			JULY 2006	1:1000
			DWG NO 0004-1	DRAWN BY DS

APPENDIX 2 27

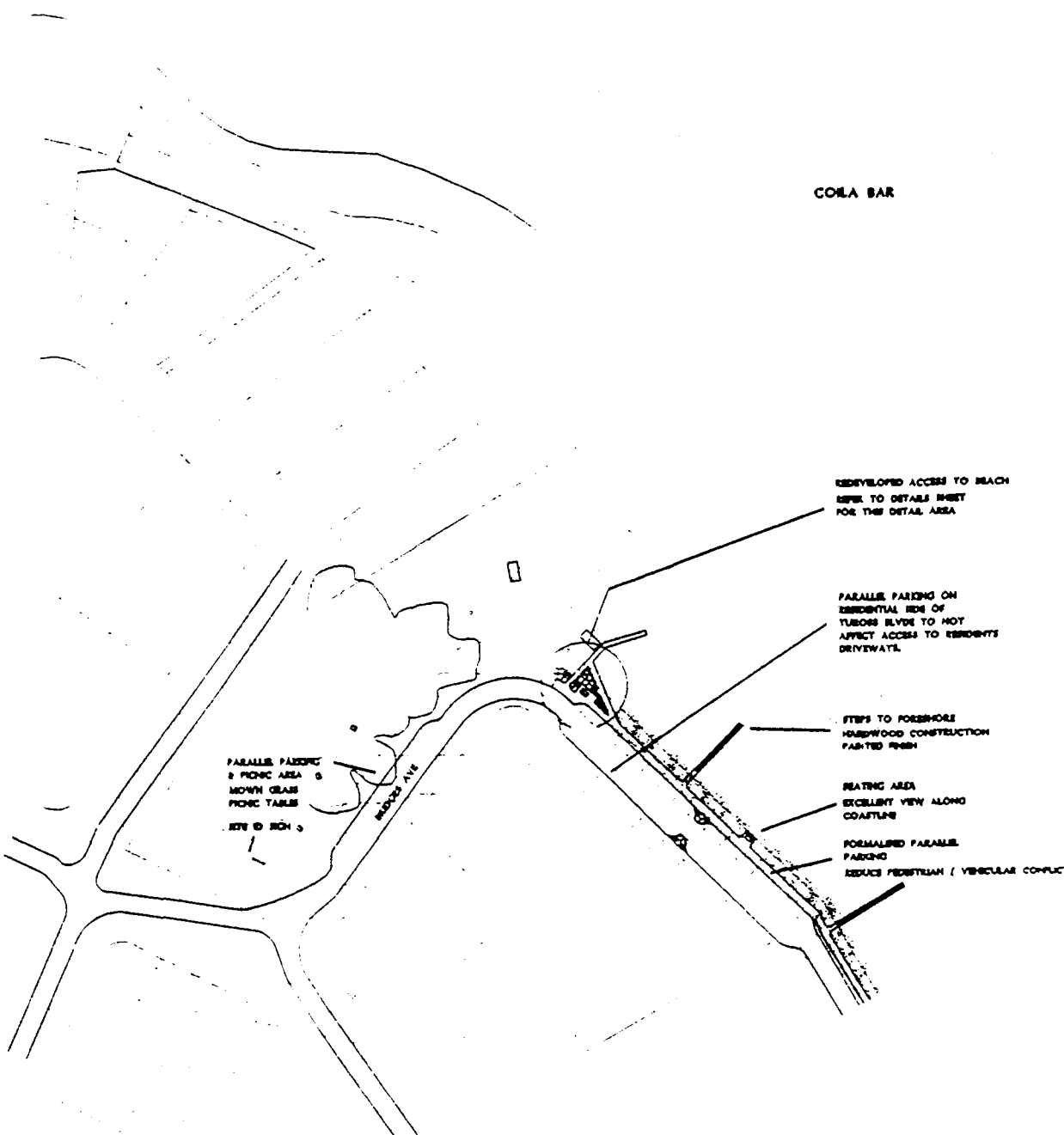
GENERAL NOTES :



INDICATE APPROXIMATE LOCATION OF MOUND ISLAND FOR TREE AND SHOULD NOT BE USED AS A POINT OF REFERENCE IN ANY SITUATIONS.

THESE DRAWINGS ARE CONCEPTUAL SKETCH DESIGN AND WOULD REQUIRE DETAIL SURVEYS AND FURTHER DETAIL DESIGN PRIOR TO CONSTRUCTION.

ANY CONSTRUCTION WORK ON THIS SITE WILL REQUIRE AN ARCHAEOLOGICAL SURVEY AND CONSULTATION WITH COBOWLA LOCAL ABORIGINAL LAND COUNCIL'S SITE OFFICER PRIOR TO COMMENCEMENT.



PROJECT
 COASTAL MANAGEMENT PLAN
 MCWILLIAM PARK, TUROSS HEAD, NSW
CLIENT
 TUROSS LAKES PRESERVATION GROUP

DUAL

P.O. BOX 988
 MOUNTY MELB VIC 3088



DESIGN

TELEPHONE 03 9412 1111
 11 MOUNTY MELB

ARCHITECTS AND LANDSCAPE ARCHITECTS

TITLE

MASTERPLAN SHEET - 1

DATE

SEPTEMBER 1990

DWG. NO.

D0444-1

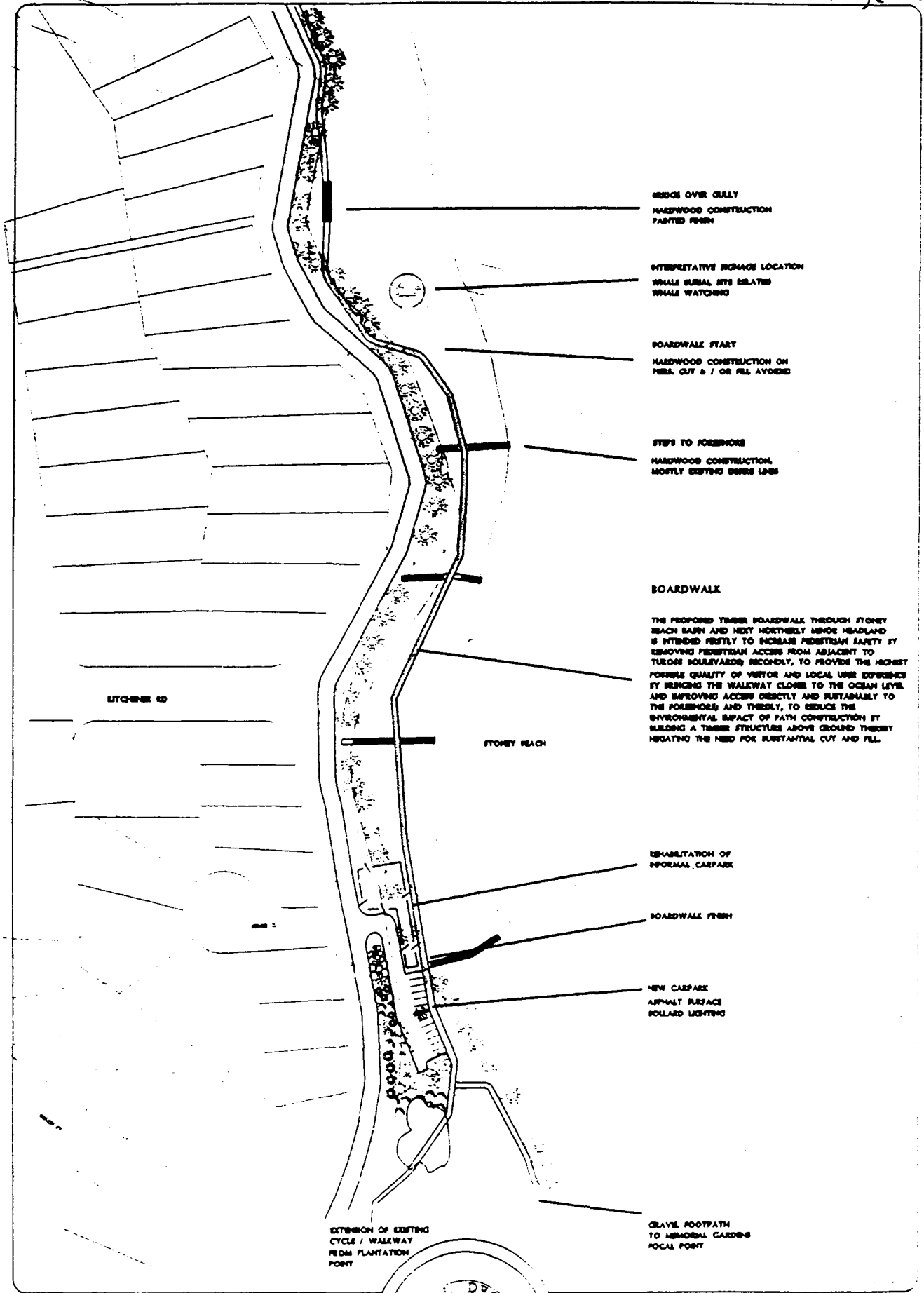
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AS

AFFENDIX B 3/7



BRIDGE OVER GULLY
 HARDWOOD CONSTRUCTION
 PAINTED PINK

INTERPRETATIVE SIGNAGE LOCATION
 WHALE BURIAL SITE RELATED
 WHALE WATCHING

BOARDWALK START
 HARDWOOD CONSTRUCTION ON
 FILL CUT & / OR FILL AVOIDED

STEPS TO FORESHORE
 HARDWOOD CONSTRUCTION,
 MOSTLY EXISTING DECKE LINES

BOARDWALK

THE PROPOSED TIMBER BOARDWALK THROUGH STONEY BEACH BARN AND NEXT NORTHERLY HEADLAND IS INTENDED FIRSTLY TO INCREASE PEDESTRIAN SAFETY BY REMOVING PEDESTRIAN ACCESS FROM ADJACENT TO TUROSS BOULEVARDS; SECONDLY, TO PROVIDE THE HIGHEST POSSIBLE QUALITY OF VISITOR AND LOCAL USE EXPERIENCE BY BRINGING THE WALKWAY CLOSER TO THE OCEAN LEVEL AND IMPROVING ACCESS DIRECTLY AND SUSTAINABLY TO THE FORESHORE; AND THEREBY, TO REDUCE THE ENVIRONMENTAL IMPACT OF PATH CONSTRUCTION BY BUILDING A TIMBER STRUCTURE ABOVE GROUND THEREBY NEGATING THE NEED FOR SUBSTANTIAL CUT AND FILL.

ITCHENER RD

STONEY BEACH

REHABILITATION OF
 INFORMAL CARPARK

BOARDWALK FINISH

NEW CARPARK
 ASPHALT SURFACE
 BOLLARD LIGHTING

EXTENSION OF EXISTING
 CYCLE / WALKWAY
 FROM PLANTATION
 POINT

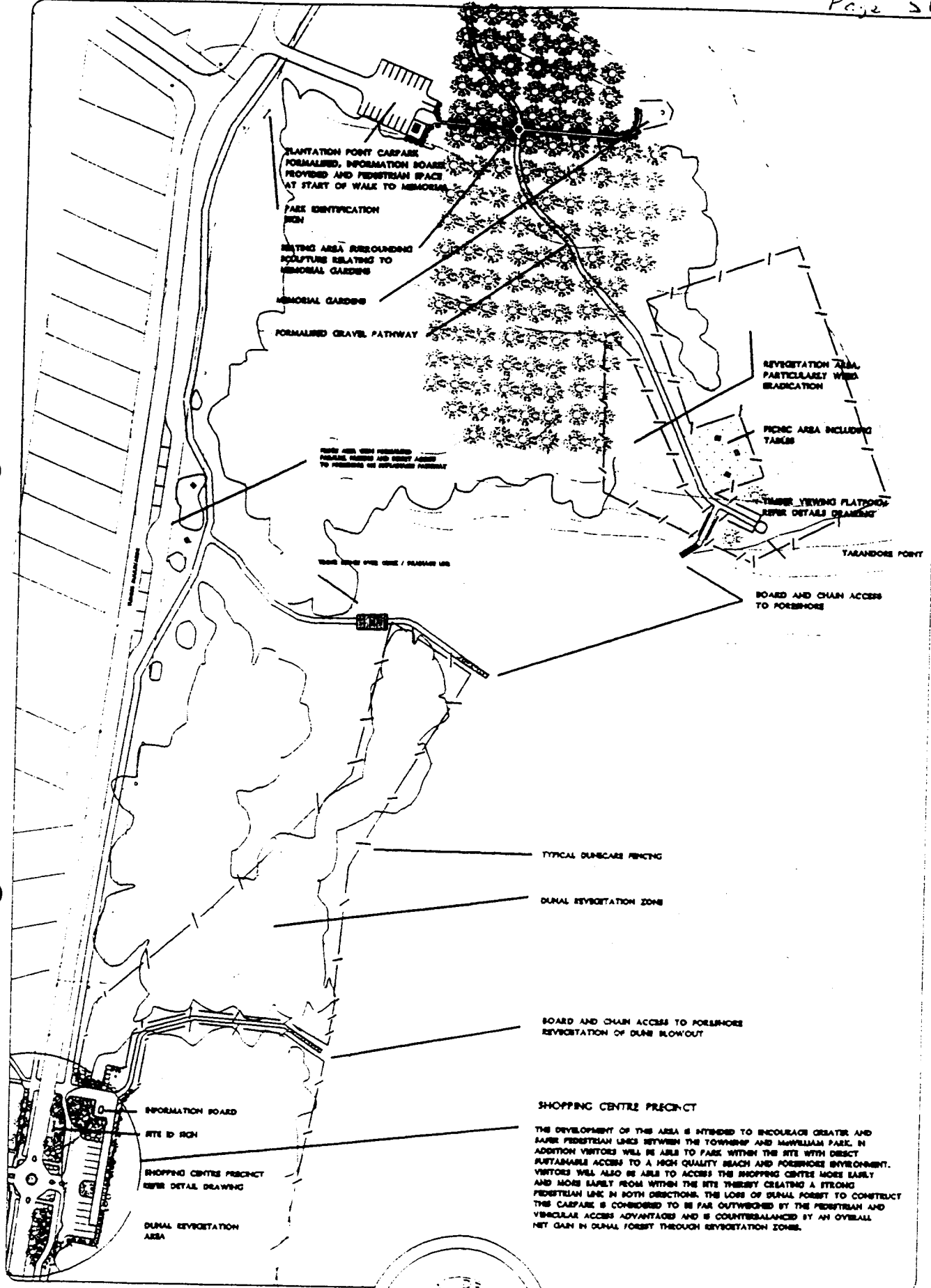
GRAVEL FOOTPATH
 TO MEMORIAL GARDENS
 FOCAL POINT

PROJECT
 COASTAL MANAGEMENT PLAN
 McWILLIAM PARK, TUROSS HEAD, NSW
CLIENT
 TUROSS LAKES PRESERVATION GROUP

DUAL DESIGN
 ARCHITECTS AND LANDSCAPE ARCHITECTS
 TO SEE OR
 HOURS: 9AM-5PM
 TELEPHONE & FAX
 08 94742280

TITLE
 MASTERPLAN SHEET - 2
DATE **SCALE**
 SEPTEMBER 2011 1:1000
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APPROVED 17



THE DEVELOPMENT OF THIS AREA IS INTENDED TO ENCOURAGE GREATER AND SAFER PEDESTRIAN LINKS BETWEEN THE TOWNSHIP AND MURWILLUM PARK. IN ADDITION VISITORS WILL BE ABLE TO PARK WITHIN THE SITE WITH DIRECT SUSTAINABLE ACCESS TO A HIGH QUALITY BEACH AND FORESHORE ENVIRONMENT. VISITORS WILL ALSO BE ABLE TO ACCESS THE SHOPPING CENTRE MORE EARLY AND MORE EARLY FROM WITHIN THE SITE THEREBY CREATING A STRONG PEDESTRIAN LINK IN BOTH DIRECTIONS. THE LOSS OF DUNAL FOREST TO CONSTRUCT THE CARPARK IS CONSIDERED TO BE FAR OUTWEIGHED BY THE PEDESTRIAN AND BICYCLAR ACCESS ADVANTAGES AND IS COUNTERBALANCED BY AN OVERALL NET GAIN IN DUNAL FOREST THROUGH REVEGETATION ZONES.

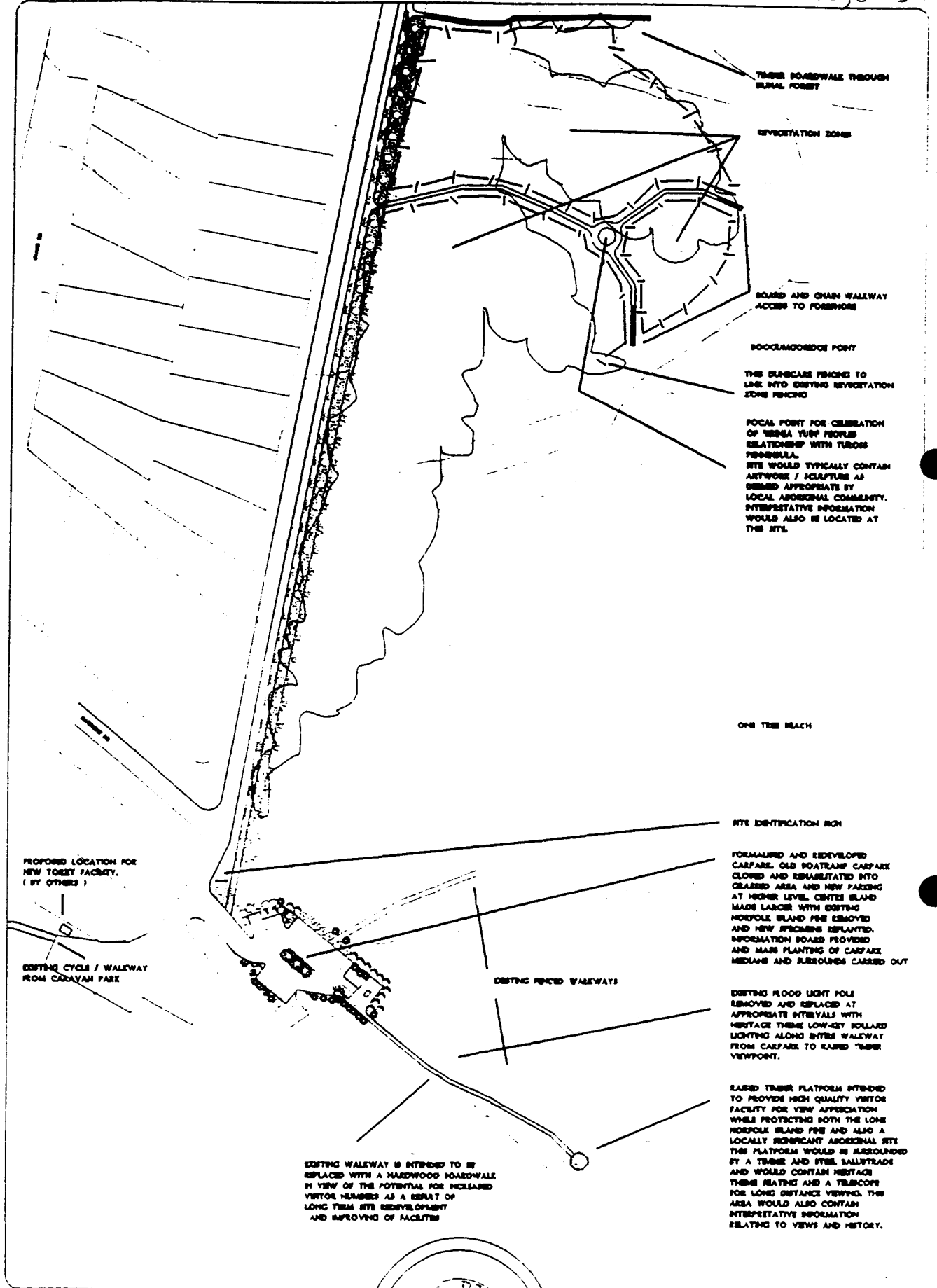
PROJECT
 COASTAL MANAGEMENT PLAN
 MCWILLIAM PARK, TUROSS HEAD, NSW
 CLIENT
 TUROSS LAKES PRESERVATION GROUP

DUAL DESIGN
 ARCHITECTS AND LANDSCAPE ARCHITECTS



TITLE
 MASTERPLAN - SHEET 3
 DATE
 SCALE
 SEPTEMBER 2000
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 LB

APPROVED



PROPOSED LOCATION FOR NEW TOILET FACILITY. (BY OTHERS)

EXISTING CYCLE / WALKWAY FROM CARAVAN PARK

EXISTING FENCED WALKWAYS

EXISTING WALKWAY IS INTENDED TO BE REPLACED WITH A HARDWOOD BOARDWALK IN VIEW OF THE POTENTIAL FOR INCREASED VISITOR NUMBERS AS A RESULT OF LONG TERM SITE REDEVELOPMENT AND IMPROVING OF FACILITIES

TIMBER BOARDWALK THROUGH BURNAL FOREST

RECREATION ZONE

BOARD AND CHAIN WALKWAY ACCESS TO FORESHORE

POODJANGORRIDGE POINT

THE STAIRCASE REINGS TO LEAN INTO EXISTING REVEGETATION ZONE FENCING

FOCAL POINT FOR CELEBRATION OF TIBBERA TURY PEOPLE RELATIONSHIP WITH TIBBERA PENINSULA. SITE WOULD TYPICALLY CONTAIN ARTWORK / INSTALLATIONS AS DEEMED APPROPRIATE BY LOCAL ABORIGINAL COMMUNITY. INTERPRETATIVE INFORMATION WOULD ALSO BE LOCATED AT THIS SITE.

ONE TREE BEACH

SITE IDENTIFICATION SIGN

FORMERLY AND REDEVELOPED CARPARK. OLD BOATLAMP CARPARK CLOSED AND REHABILITATED INTO GRASSED AREA AND NEW PARKING AT HIGHER LEVEL. CENTER ISLAND MADE LARGER WITH EXISTING HOOPPOLE ISLAND PINE REMOVED AND NEW SPECIMENS REPLANTED. INFORMATION BOARD PROVIDED AND MARK PLANTING OF CARPARK MEDIAN AND SURROUNDS CARRIED OUT

EXISTING FLOOD LIGHT POLE REMOVED AND REPLACED AT APPROPRIATE INTERVALS WITH HERITAGE THREE LOW-VOLT BOLLARD LIGHTING ALONG DIFFER WALKWAY FROM CARPARK TO RAISED TIMBER VIEWPOINT.

RAISED TIMBER PLATFORM INTENDED TO PROVIDE HIGH QUALITY VISITOR FACILITY FOR VIEW APPRECIATION WHILE PROTECTING BOTH THE LONE HOOPPOLE ISLAND PINE AND ALSO A LOCALLY SIGNIFICANT ABORIGINAL SITE. THE PLATFORM WOULD BE SURROUNDED BY A TIMBER AND STEEL BALUSTRADE AND WOULD CONTAIN HERITAGE TIMBER SEATING AND A TELESCOPE FOR LONG DISTANCE VIEWING. THIS AREA WOULD ALSO CONTAIN INTERPRETATIVE INFORMATION RELATING TO VIEWS AND HISTORY.

PROJECT
COASTAL MANAGEMENT PLAN
MCWILLIAM PARK, TUROSS HEAD, NSW
CLIENT
TUROSS LAKES PRESERVATION GROUP

DUAL

P.O. BOX 100
MORNINGTON, TAS. 7217



DESIGN

TELEPHONE 0 8 62 127424
22, EASTHAM

TITLE

MASTERPLAN SHEET - 4

DATE

SEPTEMBER 1999

DWG. NO.

001344

SCALE

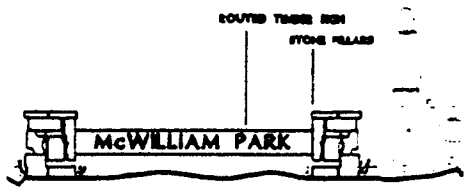
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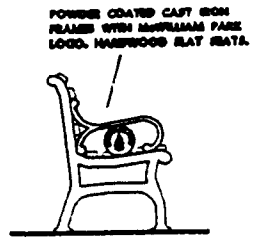
26

ARCHITECTS AND LANDSCAPE ARCHITECTS

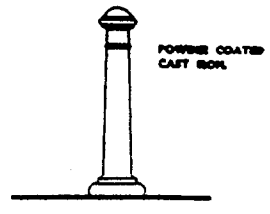
ADDENDUM R 2/17



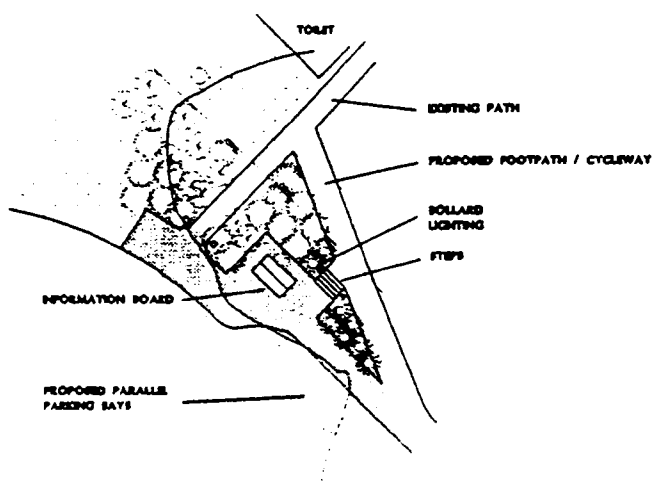
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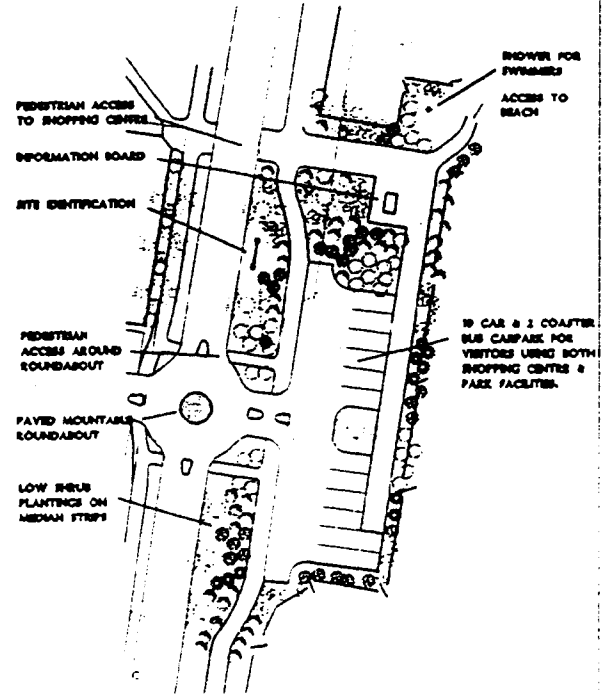
TYPICAL HERITAGE SEAT 1 : 20



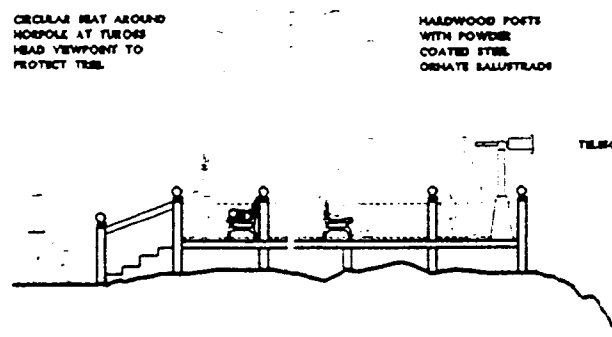
TYPICAL BOLLARD 1 : 20



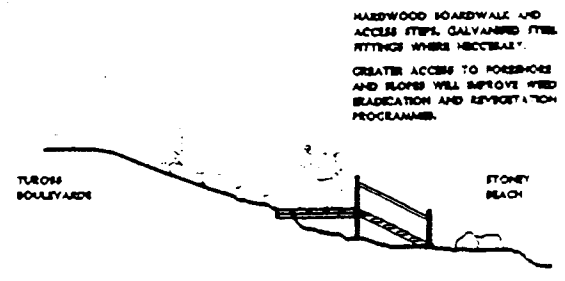
COILA BAR ENTRY AREA DETAIL 1 : 250



SHOPPING CENTRE PRECINCT DETAIL 1 : 500

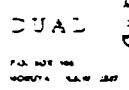


RAISED VIEWING PLATFORM 1 : 75



BOARDWALK / CYCLEWAY SECTION 1 : 100

PROJECT
 COASTAL MANAGEMENT PLAN
 McWILLIAM PARK, TUROSS HEAD, NSW
 CLIENT
 TUROSS LAKES PRESERVATION GROUP



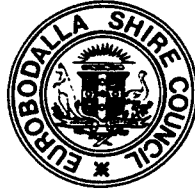
ARCHITECTS AND LANDSCAPE ARCHITECTS

DESIGN
 TITLE
 DETAILS
 DATE
 SEPTEMBER 1991
 DWG NO
 022447

SCALE
 AS SHOWN
 DRAWN BY
 M

The Council of the Shire of Eurobodalla

ALL COMMUNICATIONS TO BE ADDRESSED TO
GENERAL MANAGER
P.O. BOX 99, MORUYA, 2537
PHONE: 02 4474 1000
FAX: 02 4474 1234
DX 4873



CNR VULCAN & CAMPBELL STREETS
MORUYA, 2537

IN REPLY PLEASE
QUOTE REFERENCE No. 97.1328Pt2

23 April 1999

Mr Stuart Scobie
Dual Design
PO Box 306
MORUYA NSW 2537

Dear Mr Scobie

DRAFT COASTAL MANAGEMENT PLAN MCWILLIAM PARK, TUROSS HEAD

Reference is made to the above matter. We wish to confirm the following information.

A report on the matter was considered by the Works and Facilities Committee at its meeting held on 9 March 1999. Council at its meeting held on 23 March 1999 subsequently adopted the Committee's recommendations as follows:

"THAT

1. Council adopt the Draft Coastal Management Plan for McWilliam Park, Tuross Head with the following amendments and actions:
 - (a) The general format and text of the written document be edited to correct spelling and other minor editing details.
 - (b) The Plan state that Council allow for a management committee structure if sufficient community interest exists. The structure shall accommodate the existing Memorial Gardens Management Committee as a sub committee rather than have two Committees.
 - (c) Any carpark design adjacent Kerrie Close consider erosion and traffic problems as commented in this report. The Plan shall note that the final layout will be subject to engineering design.
 - (d) Further expansion of the memorial Gardens be restricted to one extra row of walls for plaques.
 - (e) The carpark opposite the shops should be noted as a possible future development subject to demand and not a definite proposal, with alternative layouts such as verge parking to be considered. In addition careful consideration should be given to protection of the existing native vegetation in this area. The roundabout to be deleted from the Plan with a note that traffic treatments are subject to Traffic Committee consideration.

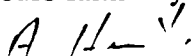
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- (f) The proposed toilets at One Tree Point will be subject to further investigation as noted in Council's Toilet Block Strategy. Plan shall note accordingly and remove the location suggested.
 - (g) The sign at the northern end of the reserve be relocated.
 - (h) Traffic comments be referred to the Traffic Committee for consideration.
 - (i) The Plans indicate the cycleway route as shown on Appendix A, that is in concept adjacent the roadway near future kerb and guttering alignment. The exact location of the pathway and roadway kerb and gutter will be determined subject to further engineering design investigation. A small bridge may be incorporated to cross the gully opposite the existing pedestrian walkway. The cycleway will mainly be constructed of concrete.
Consideration shall be given to the protection of existing trees during design and construction.
 - (j) Theme for park furniture (seating, signs, etc) should be seaside style.
2. The amended Plan be incorporated in Council's Generic Developed Reserves and Facilities Plan of Management as advertised.
 3. Council consider the request to reclassify the land in the context of the overall strategy following recent amendments to the Local Government Act provision for Community Land.
 4. It be noted that detailed design plans will be prepared and be exhibited for public consultation. This design should include plans for streetscape, street furniture, signage, viewing areas, traffic matters and will include discussions with specialist consultant regarding the incorporation of the Norfolk Pines within the design.
 5. The Tuross Lakes Preservation Group and Mr Stuart Scobie be thanked for their involvement in the project to date and for their continuing role in the matter.
 6. The respondents to the exhibition be thanked for their input to the plan and advised of the outcome of this report."

Thank you for your assistance in the project. We look forward to the finalisation of the above plan. Your continued co-operation in the development of this plan is appreciated.

If you require further information, please contact me on (02) 44741327.

Yours faithfully



ALLAN HUNT
PUBLIC RECREATION ASSISTANT
TECHNICAL SERVICES DIVISION

**McWILLIAM PARK COASTAL MANAGEMENT PLAN
ORDER OF COST
MAY 1999**

ITEM AND DETAILS	COST
REMAINING CYCLE/WALKWAY	
• CONCRETE PATH 2.5m wide x 600m long @ \$50.00/sq.m	\$75,000.00
• BRIDGE, hardwood (eg turpentine), 2.5m wide x 15m long @ \$800.00/lin.m	\$12,000.00
NEW SIGNAGE	
• 4 x SITE IDENTIFICATION SIGNS, hardwood with routed lettering supported by stone pillars,, as per detail sheet,	\$ 2,800.00
• 3 x INTERPRETATIVE SIGNAGE, similar style to NSW National Parks interpretative signage	\$ 2,400.00
• 4 x INFORMATION BOARDS, hardwood, standard site detailing	\$ 2,000.00
NEW STREET FURNITURE	
• 8 x PICNIC TABLES, hardwood, with built-in benches and paver pads below @ \$1,500.00	\$ 12,000.00
• 12 'CHARACTER SEATS', (2 at each feature area) single, free-standing as per details sheet @ \$1,000.00	\$ 12,000.00
• CIRCULAR FEATURE SEAT surrounding 'one tree' as per details sheet, outside radius approx. 4m	\$ 4,000.00
• BOLLARD LIGHTING. (no detailed layout indicated on plan, but a PC sum can be included) \$4,000.000 per feature area	\$ 24,000.00
BEACH ACCESS STEPS/BOARD AND CHAIN WALKWAYS	
*Including all labour and materials. Broken into linear metreage per beach. Cost of stairs per linear m @ 1.2m wide = \$450.00 Total cost of board and chain walkways per linear m. @ 1.2m wide = \$105.50 (\$10/m labour component)	
• BOOGUMGORIDGE POINT - 25m b & c	\$ 2,637.50
• BEACH OPPOSITE SHOPPING CENTRE - 45m b & c	\$ 4,747.50
• STONY BEACH - 35m steps	\$ 14,000.00
• COILA BAR BEACH - 45m steps	\$ 20,250.00
GRAVEL PATHS	
*including all labour and hardwood edge restraints. Broken into linear metreage per beach. Cost of path per linear m @ 1.2m wide = \$25.00 (\$10/m labour)	
• BOOGUMGORIDGE POINT - 140m	\$ 3,500.00
• BEACH OPPOSITE SHOPPING CENTRE - 200m	\$ 5,000.00
• TARANDORE POINT - 350m	\$ 8,750.00
• STONY BEACH CARPARK - Area to the north and east. 120m	\$ 3,000.00

BOARD-WALKS AND BRIDGES

*note: for costing of bridge associated with cycleway to north of Stony Beach
see 'Cycleway' heading at top of page

- BOARDWALK on north side of Boogumgoridge Point 90m x 1.2m wide
@ \$400.00/lin.m \$ 36,000.00
- BRIDGE on south side of Tarandore Point 12m x 1.2m wide @ \$400.00/lin.m \$ 4,800.00

REHABILITATION AREAS (INCLUDING FENCING)

- KERRY CLOSE CARPARK AREA:
 - fencing 100m @ \$8.00/m (50% labour component) \$ 800.00
 - weed removal and replanting 330sq.m @ \$3/sq.m \$ 990.00
 - earthworks to rectify soil compaction \$300.00 \$ 300.00
- TARANDORE POINT:
 - fencing 590m @ \$8.00/m \$ 4,720.00
 - weed removal and replanting 7,200sq.m @ \$8/sq.m \$ 57,600.00
- BEACH OPPOSITE SHOPS(as far as proposed boardwalk):
 - fencing 870m @ \$8.00/m \$ 6,960.00
 - weed removal and replanting 12,000sq.m @ \$5/sq.m \$ 60,000.00
- BOOGUMGORIDGE POINT:
 - fencing 650m @ \$8.00/m \$ 5,200.00
 - weed removal and replanting 14,500sq.m @ \$5/sq.m \$ 72,500.00

COILA BAR ENTRY

* note: signage included in 'Signage' estimate

- PAVING - 50 sq.m @ \$50.00/sq.m \$ 2,500.00
- PLANTING, WEEDMATTING, MULCHING - 115 sq.m @ \$15/sq.m \$ 1,725.00
- STEPS, flight of 4, paved & formed \$ 1,000.00

KERRIE CLOSE CARPARK

*note: no curb & guttering - sheet drainage only. Includes hwd edge restraints

- EARTHWORKS and compacted subgrade \$ 2,000.00
- HOTMIX surfacing, 500sq.m @ \$10.00/sq.m \$ 5,000.00
- LINEMARKING, bollards, etc \$ 2,000.00
- PLANTING, WEEDMATTING, MULCHING - 85sq.m @ \$15/sq.m \$ 1,275.00

PLANTATION POINT CARPARK REDEVELOPMENT

- HOTMIX, extra surfacing 50sq.m @ \$10.00/sq.m \$ 5,000.00
- LINEMARKING, bollards, etc \$ 2,000.00

TARANDORE POINT DEVELOPMENT

*note: gravel pathway, rehabilitation work, picnic furniture, lighting and
beach access have been separately priced in other sections

- VIEWING PLATFORM. hardwood, approx. 5m x 5m @ \$450.00/sq.m \$ 11,250.00

SHOPPING CENTRE PRECINCT DEVELOPMENT

*note: signage has been separately priced in another section. No curb & guttering is included - sheet drainage only

- EARTHWORKS and compacted subgrade \$ 2,000.00
- HOTMIX surfacing, 500sq.m @ \$10.00/sq.m \$ 5,000.00
- LINEMARKING, bollards, etc \$ 2,000.00
- PLANTING, WEEDMATTING, MULCHING - 775sq.m @ \$15/sq.m \$ 11,625.00
- CONCRETE PATHS, eastern side of Tuross Bvde only - 210sq.m @ \$50.00/sq.m \$ 10,500.00

BOOGUMGORIDGE POINT FOCAL POINT

* note: gravel paths, lighting, fencing, and signage have been separately priced in another section

- SCULPTURE - PC sum \$ 10,000.00

TUROSS HEAD CARPARK & LOOKOUT REDEVELOPMENT

- EARTHWORKS and compacted subgrade \$ 3,000.00
- HOTMIX surfacing 800sq.m @ \$10.00/sq.m \$ 8,000.00
- LINEMARKING, bollards, etc \$ 3,000.00
- PLANTING, WEEDMATTING, MULCHING - 400sq.m @ \$15.00/sq.m \$ 6,000.00
- VIEWING PLATFORM. approx. 8m x 8m @ \$450.00/sq.m \$ 28,800.00

11. REFERENCES

- ~ Plan of Management, Developed Reserves and Facilities Edition 2 , Eurobodalla Shire Council, 1997
- ~ NSW Coastal Policy, Dept. of Urban Affairs and Planning 1997
- ~ Cobowra Local Aboriginal Land Council, Sites Officer Trish Ellis, Personal Library containing documents written by Harry Warner @ 1960
- ~ Bird Life Recorded in McWilliam Park & Mammals, Reptiles & Amphibians of McWilliam Park , Tuross Head, NSW 1988-1998, Eurobodalla Natural history Society- Prepared By G. Rayner and A. Harris.
- ~ Tuross Lakes Preservation Group Management Committee
- ~ Eurobodalla Shire Council
- ~ Mimosa Rocks National Park, Draft Plan of Management, NSW National Parks and Wildlife Service, 1993