

PENGUIN

PERRY-LING GARDENS

LANDSCAPE MASTERPLAN



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CENTRAL COAST COUNCIL
TASMANIA, AUSTRALIA

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PENGUIN'S WILD FLOWER GARDENS

Introduction

Penguin is famous for its spectacular flowering gardens which are located along the Old Penguin Road and follow the scenic coastline. This wildflower character comprised of both exotic and native coastal plants and is a unique feature that is an inspiration for the broader Penguin Town Centre landscape improvements.

The Perry-Ling Gardens Landscape Masterplan seeks to understand the history of the gardens and to continue the gardens into the future through a collaborative process involving Council and local residents. Future improvements are detailed in supporting landscape plans and details.

Brief History

The Perry-Ling Gardens were started in 1983 by two local Penguin residents Max Perry and Gordon Ling. Their goal was to beautify the coastal foreshore and remove weeds along the Main Road leading to the town of Penguin. Today, The Perry -Ling Gardens extend for nearly a kilometer between the rear of 117 Main Road through to opposite 180 Main Road.

Consultant's Inspired Place outline the importance of the gardens "*as a landmark of the region, as evidenced by the Perry and Ling's volunteer contributions being recognized and listed on the Tasmanian Heritage Register. (The garden area between the street numbers of 134 and 148 on Main Road was listed)... The Council took over the maintenance of Mr Perry's section of reserve in 1994 and Mr Ling's section in 1997. Since that time, the Council has been responsible for the care and maintenance of the Gardens.*" 2.

Garden Inspirations

Whilst we do not know what inspired the particular planting design and layout that Perry and Ling set out at the Watcombe Beach seaside verges, we can deduce that they might have been influenced by practical factors such as hardiness to the seaside

location, ability to easily propagate plants, and a focus on reliable mass flowering species. Small to medium shrubs, dense in form, occasionally punctuated by strappy, architectural, and vertical plants, form the prime ingredients of the planting arrangements.

The historical photos of the gardens show the influence of the Australian cottage garden movement which was popular during the 1950's to 1970's. The Perry -Ling Gardens are a spectacular example of coastal highway wildflower verges. The gardens may have been influenced by the written works of Edna Walling who promoted the planting of highway verges in books such as *The Australian Roadside*. The Gardens probably influenced other residents along the coastal road, creating a broader scenic experience still evident on the drive from Ulverstone to Sulphur Creek.

Existing Planting Character

As outlined by consultants Inspiring Place, the style of the Perry-Ling Gardens is quite eclectic: the original planting was derived from local sources from Max and Lings backyards, from friends and from plants donated by the community. The garden tells a story about how the volunteers at the time used what they had available to them, using species which were offered flower, were hardy and which were easy to propagate. Some of the original plants used are now considered environmental weeds due to their invasive nature and are easily spread.

Tasmanian coastal natives are very well suited to this environment and provide important habitat and can better assist with erosion control, however these plants alone will not provide a year-round colourful display. It is important that we maintain the eclectic nature of the gardens and this can be achieved by using a diverse range of species of both native and exotic plants.

The Perry-Ling gardens would have started out as clusters of shrubs and over time, these clusters increased in number till they joined up in flowering corridors. There is consideration to height, with the majority of shrubs under 1.2 m in height and no shrubs or trees over 3 m.

In recent times, the Perry-Ling gardens have become run-down, and the proportion of flowering compact shrubs reduced substantially. Succulents were used as part of the gardens as easily procured infill plants. The succulents have generally survived and enlarged in form, creating impenetrable zones, which assist the role of limiting access near the rail line. The amount of woody growth and weeds detracts from the gardens, and infill plants will be required to make good these areas. The clearing of the TasRail corridor for the safety fence will open up the verge shrubberies, and there may be more opportunities to consolidate the compact flowering shrubs that are the signature forms of the gardens. The improved pedestrian rail crossings require vegetation clearances to maintain safe viewing distances and these areas will be improved over time with low ground covers.

Future Planting Character

The Heritage Gardens listed area is only a portion of the Watcombe Beach parklands and verges. The wildflower gardens over time extended toward the Penguin Town Centre and spread along the Old Penguin Main Road. As such the Perry-Ling Gardens are not defined by specific boundaries. The Landscape Masterplan for Perry-Ling Gardens seeks to improve the broader parklands following the design principles used in the original gardens, moderated by other contemporary design principles such as endemic plantings, biodiversity support, erosion and stabilisation, hardiness, and modern planting design.

The introduction of more native flowering plants has been supported by the community. The planting principles outlined in this report detail feature of the garden style and form that they created, as seen at the peak of the Gardens. The future garden improvements can continue these characteristics. A mix of forms and colour across the seasons will create an interesting coastal park experience.

2. Inspiring Place "Perry-Ling Gardens Community Survey Response."
Prepared for Central Coast Council, Oct 2020, p.1.



Historical image showing
the flowering gardens

PERRY-LING GARDENS

The Perry-Ling Gardens to the East of the Penguin Town Centre encapsulate the unique Penguin character. The gardens are famous for providing a scenic drive through a colourful avenue of flowering shrubs. Volunteers built the gardens which in their heyday featured dramatic colour displays.

"Dad started clearing a path down onto the beach in the 70s then he progressed to removing all the rubbish and weeds along the roadside and planting cuttings from Mum's garden. He put a little shed on the other side of the railway line to put all his tools in and started making the lawns, he hired a backhoe and continued to plant flowers, shrubs and made a vegetable garden and sold them to pay for the archway and steps on to the beach he built a BBQ and continued working in the garden until his death in 1995"

- (text about Max Perry provided by his daughter Brenda)

Heritage Listing

The gardens are listed in the Tasmanian Heritage Council's register. Some key elements from the listing are as follows:

"Perry-Ling Gardens are situated either side of the railway line which links the north and north-west coasts of Tasmania... The plantings form a colourful and continuous band of native and exotic plantings approximately 240 metres... The plantings have also been continued on the nature strips of the opposite houses along Main Road creating a vibrant floral display... Perry-Ling Gardens are considered to be the oldest and most substantial example of an ornamental community garden in Tasmania... The Perry-Ling gardens are unique in the way they have evolved as a local voluntary beautification process and as an expression of the communities sense of place. The gardens are a landmark recognised beyond the state... Perry-Ling Gardens represent in Tasmania demonstration of community concern for the environment and for the philosophy that every individuals action can make a difference." 1.

Perry and Ling built the heritage gardens over many years:

"In 1983 Penguin resident Max Perry started a small garden on Crown land opposite his home at Main Road, Penguin. He did so partly to be rid of the eyesore of rubbish and blackberries, partly to provide better access to the beach, and partly to create a lawn for his grandson, who suffered with spina bifida (Examiner, 18 Aug.1987).

Later the same year, Gordon Ling, another retiree who lived near Perry in Main Road, started a similar roadside garden opposite his home. Ling's intention, like Perry's, was to tidy up blackberries and rubbish.

Before long, the two gardens were linked. They featured a row of acacias and several varieties of native shrubs, as well as exotic flowers such as pigface, daisies, geraniums and various annuals.

When Max Perry died in 1995 the Central Coast Council took over his section of garden. Gordon Ling, meanwhile, continued to tend his section. A descendant of a pioneer who had arrived in Penguin as a timber splitter in the late 19th century, Ling had a lifelong association with the land. Despite this, he did not consider himself to be a gardener (Ulverstone Post, 14 Oct. 1998). Nevertheless, he continued to work his section of roadside garden well into his eighties. As his health deteriorated, his wife Nancy helped him and neighbours constructed a garden seat."

Heritage Council Requirements

There are requirements set out by the Tasmanian Heritage Council (THC) for what can and cannot be done as far as maintenance and replanting within the listed Heritage Gardens. General maintenance of the heritage gardens should be carried out as per usual (trimming, weeding, planting) etc.

Permission from THC may be needed in the future if installing amenities such as signs seats and paths etc. The THC has produced a document entitled "Works Guidelines for Historic Heritage Places" and Chapter 13 deals with Historic Plantings and Landscapes. This chapter lists the type of works, what is eligible for a certificate of exemption and outlines when a discretionary permit application is required by the THC and what are appropriate outcomes.

1. Tasmanian Heritage Council "Tasmanian Heritage Register Datasheet: Perry-Ling Gardens." (www.heritage.tas.gov.au, June 2017), p.1-2.

The type of work in The Works Guidelines relevant to the Perry-Ling Gardens are:

- Changing significant landforms
- Changing significant gardens or landscapes
- Replacement plantings
- New plantings
- Remove plantings
- Removing wood or branches, hedge trimming and pruning
- Hard landscaping

Central Coast Council will need to clarify further with the THC what are the acceptable outcomes for Perry-Ling Gardens. The improvements and changes made from 2021 regarding the beach protection, coastal path and works either side of the rail line are substantial. The civil engineering works should be submitted, along with the Landscape Masterplan, to enable the Heritage Council to verify the listing is still relevant and that the landscape changes and modifications are appropriate.



Maxwell Perry, Len Perry (Brother) & Keith Perry (Nephew) at Perry-Ling Gardens.

Image above (Provided by Max Perry's Daughter Brenda)

PERRY-LING GARDENS



Location

The Perry-Ling Gardens Reserve is located at Penguin and is bordered by Main Road on the south and Watcombe Beach on the Northern side. The heritage listed section of gardens occupies only a small section of Perry-Ling Gardens.

The section between Watcombe Beach and approximately 162 Main Road is very narrow and is close, if not within the rail corridor. After 162 Main Road ,the gardens widen slightly until the end at 180 Main Road. Perry-Ling Gardens Reserve is covered by a mixture of Utilities Zone (railway and road) and Open Space Zone in the Central Coast Interim Planning Scheme. It was assigned the classification of Passive Open Space in accordance with the Open Space and Recreation Plan 2012-2022 as follows:

Land Details

Ownership: Crown Land (Licence)
Park land Area: 1.24Ha

Public Open Space Classification

Catchment: Passive
Key Function: Open Space generally with no recreational infrastructure. Primary function is social / family relaxation. Can include access-way / trail, flora/fauna conservation or drainage. May include grassed areas.
Key Landscape Character: Open Space / Garden / Foreshore / Informal parkland.

Service Levels

Fire Management: N/A
Landscape Treatment: Informal landscape
Litter Control: As required (rare)
Path Class: N/A
Playground: N/A
Grass Care: Weekly in Spring, Summer, Autumn, Winter as required.
Weed Control: Roadside – twice per year, other – 4 times

Future Public Open Space Classification

This Landscape Masterplan seeks to improve the broader parklands as well as the Heritage lited Gardens in a form inspired by the original gardens, which are by their nature a flowering display garden form. The Gardens thus will require a higher level of service, being equivalent to what Central Coast Council defines as an improved "Feature Garden Area". The 2022 Open Space classification should be adjusted as follows:

Future Land Details

Ownership: Crown Land (Licence)
Land Area: Parklands: 1.66ha (beach to rail corridor area)
Heritage Listed Garden: Land Area: 6711 m2

Catchment: Passive
Key Function: Feature Gardens with Heritage listing, Open Space generally with recreational infrastructure: seating, paths, shelters Includes grassed areas with feature gardens. Primary function is social / relaxation / interpretation. Includes beach access-way and bike-way link, Interpretive signage, conservation, beach protection and drainage.
Key Landscape Character: Open Space / Garden / Foreshore / Informal parkland / feature garden.

Future Service Levels

Fire Management: N/A
Landscape Treatment: Feature Gardens
Litter Control: monthly
Path Class: Bikeway/coastal walkway
Playground: N/A
Grass Care: Weekly in Spring, Summer, Autumn, Winter as required.
Weed Control: As per maintenace program.

Future Events

Perry-Ling volunteers Group: Community planting, painting and maintenance bees.

Rail Corridor

The rail corridor is a zone of 3 metres either side from each rail. There are numerous requirements placed upon the Council to work in/near the corridor.

The presence of a TasRail employee is required for the entire time that Council employees are working in / near the corridor. To date, generally Council's mulching and weeding have taken 2-3 days within the corridor area. There is also a requirement for two traffic controllers while spraying and mulching.



Outside of the corridor, Council is required to ensure that any employee has undertaken an induction by TasRail. The section from the Eastern end of Watcombe Beach to 180 Main Road is problematic as it is close to the rail corridor and the road, causing risk and WHS issues for employees.

The railway corridor runs centrally through the heritage gardens, and forms an access and visual constraint on the use of the public open spaces and verges. TasRail work under legislative requirements that require 3m either side of the rail lines to be free of obstruction (note: in some places Main Road is within this clearance dimension). TasRail are further required to ensure all track crossings are built to a legislated standard. The foreshore wall civic works include construction of a chain-mesh safety fence and new railway crossings. Future maintenance agreements will be formed between Central Coast Council and TasRail regarding the maintenance of the Perry-Ling Gardens within the Tas Rail Reserve.

Main Road

The Perry-Ling Garden Reserve runs parallel with Main Road. Whenever works are undertaken such as weeding, spraying, and mulching there needs to be a traffic management plan in place and applied to any work undertaken. There is a need for stop / go or the use of portable traffic lights.



The Ling's Oasis sign provides a seating place in the shade. The sign, whilst outside of the improvement works, will be retained.

PERRY-LING GARDENS

Important Characteristics

The gardens are listed in the Tasmanian Heritage Council's register. Some key elements from the listing are as follows:

Perry-Ling Gardens are considered to be the oldest and most substantial example of an ornamental community garden in Tasmania...

The Perry-Ling gardens are unique in the way they have evolved as a local voluntary beautification process and as an expression of the communities sense of place. The gardens are a landmark recognised beyond the state...

Perry-Ling Gardens represent in Tasmania demonstration of community concern for the environment and for the philosophy that every individuals action can make a difference.



Image: <https://www.facebook.com/penguinmakeovercommunity/>

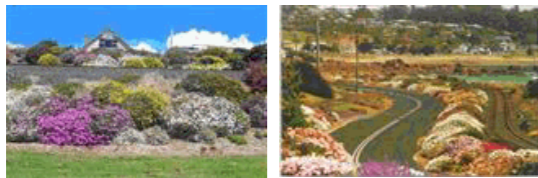
Tasmanian Heritage Register Datasheet



103 Macquarie Street (GPO Box 618)
Hobart Tasmania 7001
Phone: 1300 850 332 (local call cost)
Email: enquiries@heritage.tas.gov.au
Web: www.heritage.tas.gov.au

Name: Perry-Ling Gardens
Status: Permanently Registered
Tier: State
THR ID Number: 10963
Municipality: Central Coast Council
Date Listed: 11/07/2007

Location Addresses	Title References	Property Id
MAIN RD, PENGUIN 7316 TAS	0/0	2080307



Untitled
No copyright on file

Setting: The Perry Ling Gardens are situated on Crown Land and rail reserve at the eastern end of Penguin, off the Main Road (originally the highway to Ulverstone). The plantings line both sides of the railway track and are formed to about 15 metres between the railway line and the high tide mark. To the west the Perry Ling Gardens link to the Max Perry Reserve and Lions Park and on the east they adjoin a coastal reserve forming a continuous band of coastal landscaping approximately one kilometre long.

Description: Perry Ling Gardens are situated either side of the railway line which links the north and north-west coasts of Tasmania. One side extends to Watcombe Beach on Bass Strait and the other side links the outer fringe of the Penguin residential area, along the old highway to Ulverstone.

The plantings form a colourful and continuous band of native and exotic plantings approximately 240 metres long, from Max Perry Reserve on the west to residences at approximately 190 Main Road Penguin on the east. An interpretation installation provides a brief history of the establishment of the gardens. The plantings have also been continued on the nature strips of the opposite houses along Main Road creating a vibrant floral display.

History: In 1983 Penguin resident Max Perry started a small garden on Crown land opposite his home at Main Road, Penguin. He did so partly to be rid of the eyesore of rubbish and blackberries, partly to provide better access to the beach, and partly to create a lawn for his grandson, who suffered with spina bifida (Examiner, 18 Aug. 1987). Later the same year, Gordon Ling, another retiree who lived near Perry in Main Road, started a similar roadside garden opposite his home. Ling's intention, like Perry's, was to tidy up blackberries and rubbish.

Before long, the two gardens were linked. They featured a row of acacias and several varieties of native shrubs, as well as exotic flowers such as pigface, daisies, geraniums and various annuals. When Max Perry died in 1994 the Central Coast Council took over his section of garden. Gordon Ling, meanwhile, continued to tend his section. A descendent of a pioneer who had arrived in Penguin as a timber splitter in the late 19th century, Ling had a lifelong association with the land. Despite this, he did not consider himself to be a gardener (Ulverstone Post, 14 Oct. 1998). Nevertheless, he continued to work his section of roadside garden well into his eighties. As his health deteriorated, his wife Nancy helped him and neighbours constructed a garden seat.

In early 1997 the Central Coast Council took over responsibility for the maintenance of Ling's section of garden as well as Perry's. Initially, Gordon Ling's section the 'Ling Oasis', but soon the gardens became widely known as the 'Perry Ling Gardens'. According to the Ulverstone Post, the gardens are known world-wide for their brilliant blaze of colour (Ulverstone Post, 14 Oct. 1998) and they are much photographed. They featured in a promotional film by

TasRail, and as a result of their existence, Watcombe Beach has become one of the most popular beaches on the North-West Coast for locals and tourists (Examiner 18 Aug. 1987). The gardens are also featured on post-cards and in tourist promotions. The Central Coast Council has ensured that no declared weeds have taken hold in the long garden. It is aware that some of the species are now considered environmental weeds and has a policy of containing these within the area and replacing them with other, preferably native, species when the occasion allows. Perry Ling Gardens are considered to be the oldest and most substantial example of an ornamental community garden in Tasmania. Other known examples of public gardens tended by members of the community include Bernices Garden in Marine Terrace, Battery Point, and the Community gardens at Deloraine on the old high school site (Carr, PC 2008). These are less extensive and less known than Perry Ling Gardens. Comparable mainland gardens include Wendy Whiteleys garden at Lavender Bay, Sydney, NSW (Wendy Whitley, 6 Sept 2004) and Ruby and Lex Grahams foreshore garden at Cremorne Point, Sydney, NSW (Stanton Library, North Sydney Council and Hoskins, Pers. Com. 2007). The Perry Ling gardens are unique in the way they have evolved as a local voluntary beautification process and as an expression of the community's sense of place. The gardens are a landmark recognised beyond the state. Perry Ling Gardens, which began with two men attempting to improve and beautify their immediate environment, were established on a wave of nation-wide community action to keep Australia beautiful. Over a 30-year period the gardens were extended to form a band 240 metres long either side of the railway line with the participation of other Penguin residents. Perry Ling Gardens represent in Tasmania a demonstration of community concern for the environment and for the philosophy that every individual's action can make a difference.

Statement of Significance: (non-statutory summary)

Significance:

The Heritage Council may enter a place in the Heritage Register if it meets one or more of the following criteria from the Historic Cultural Heritage Act 1995:

- a) The place is important to the course or pattern of Tasmania's history.
- b) The place possesses uncommon or rare aspects of Tasmania's history.
Perry Ling Gardens are the oldest and largest ornamental community gardens in Tasmania.
- c) The place has the potential to yield information that will contribute to an understanding of Tasmania's history.
- d) The place is important in demonstrating the principal characteristics of a class of place in Tasmania's history.
- e) The place is important in demonstrating a high degree of creative or technical achievement.
Although created piecemeal over many years by voluntary labour, the gardens have evolved into a prominent landscape feature. The success of the gardens as a drawcard to the area is evident from its prominence on the Central Coast Council tourist website and as regular stop for tourist buses. The gardens are a recognised landmark on the edge of the township.
- f) The place has a strong or special association with a particular community or cultural group for social or spiritual reasons.
The place has community value through approximately 30 years of volunteer labour devoted to constructing the gardens. The gardens are demonstrably popular with the local community, the wider north-western community and with visitors from elsewhere in Tasmania and interstate. The Perry Ling Gardens are a landmark on tourist routes to the north-west.
- g) The place has a special association with the life or works of a person, or group of persons, of importance in Tasmania's history.
The site has special associations with Gordon Ling and Maxwell Perry, both active and respected members of the Penguin community. Memorial plaques commemorate the efforts of both men. The gardens are indicative of the wave of community beautification and tree planting projects which swept the country in the last decades of the 20th century. The Australian National Railway presented a bronze medal to the gardeners for their work and financed a name plate for the reserve, as well as celebrating the gardens in a promotional film. The adjacent Max Perry Reserve adds to the landscape quality of the Perry Ling Gardens.
- h) The place is important in exhibiting particular aesthetic characteristics.



COMMUNITY CONSULTATION & FEEDBACK

Engagement with community occurred in October 2020. Eighty-nine percent of survey respondents said they thought these gardens were either significant or very significant. The significance related to the landmark character, heritage values, unique qualities and local community pride.

The hundreds of people surveyed for the Perry-Ling Gardens as well as the hundreds of people who engaged during the Penguin Town Centre set-up shop have all placed strong emphasis on keeping these gardens.

Over fifty people attended one-to-one consultations held in May / June 2022 to review the landscape Masterplan and concept plans. The community is generally pleased with the design and improvement proposed.

Perry-Ling Gardens Survey:
Summary of Community Response

In October 2020, Tasmanian landscape architectural consultants Inspiring Place conducted community consultation which included a survey to determine what the Community’s long-term desires were regarding the Perry-Ling Gardens: “A survey was prepared and distributed to 70+ property owners along Main Road within Penguin. Surveys were also sent to known community groups including Penguin Coastcare, Penguin Men’s Shed, Lions Club of Penguin, Penguin Leo Club, Penguin RSL, Penguin History Group and Penguin Scouts and the Penguin Makeover Community Group... In addition, the survey was promoted to the wider community and available on Council’s website for people to make their views known. Council’s Facebook Page also provided a way for people to present their views on the Gardens... The survey period commenced on the 19th June and extended through to 10th July 2020.” 3. There were 197 responses, with the community expressing the view that the gardens should be restored and better maintained.

People strongly opposed relocating the Perry-Ling gardens in order to accommodate proposed civil works. The hundreds of people surveyed for the Perry-Ling Gardens as well as the hundreds of people who engaged during the Penguin Town Centre set-up shop have all placed strong emphasis on keeping these gardens.

Key feedback from the Inspiring Place Survey include:

“A total of 197 surveys were completed and returned to Council. Chart 1 indicates that just over half of the respondents lived within Penguin with 18% living along Main Road. Some 45% of the respondents live outside of Penguin... The main reason for respondents was too: view the gardens (25%) followed by walking for exercise (21%), gaining access to the foreshore (21%), and walking their dog (14%)... What was liked most about the Gardens : 48% of total respondents referred to the colour/interest/beauty/ diversity/birdlife and uniqueness of the flowers... Significance of the Gardens: A majority of respondents (71%) indicated that they

thought the Gardens were very significant with a further 18% of respondents rating them as significant... 33% of the respondents referred to the Gardens being a landmark within the town, they have been one of the major and promoted attractions for visitors to stop and linger, a point of difference between other towns and many expressed the words ‘iconic’ or ‘unique’.” 4.

Improvements to the Garden

Some of the preferred improvement preferences were as follows:

Improvements	YES %	NO %	UNSURE %
Interpretation stories of the Gardens history and plant species	78	15	7
Upgrading of the seats	69	12	19
Better defined pathways	63	19	18
More signs and information about where you can walk	63	24	13
More plantings of native species	42	38	20
More plantings of exotic species	34	46	20

Table 1 Improvements to the Gardens

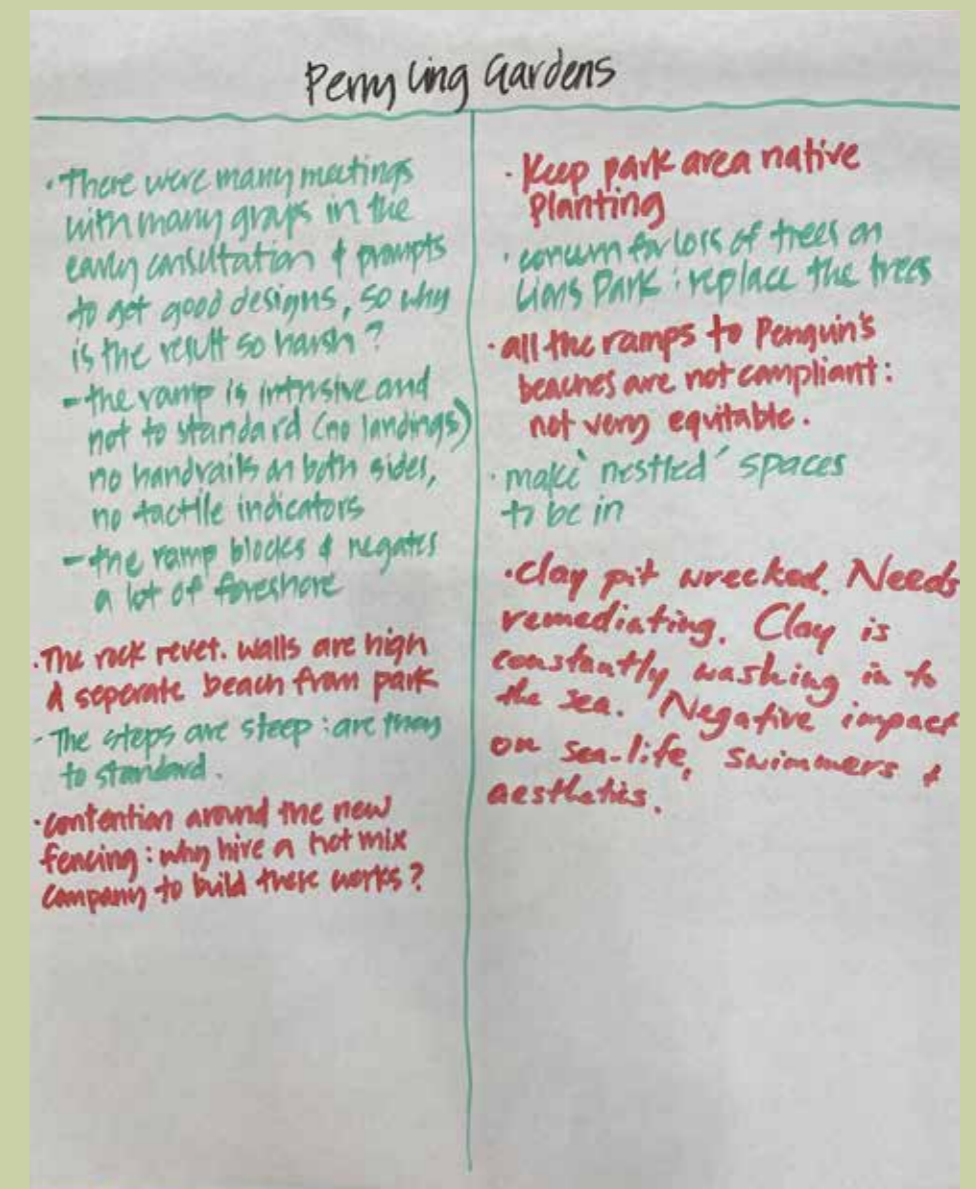
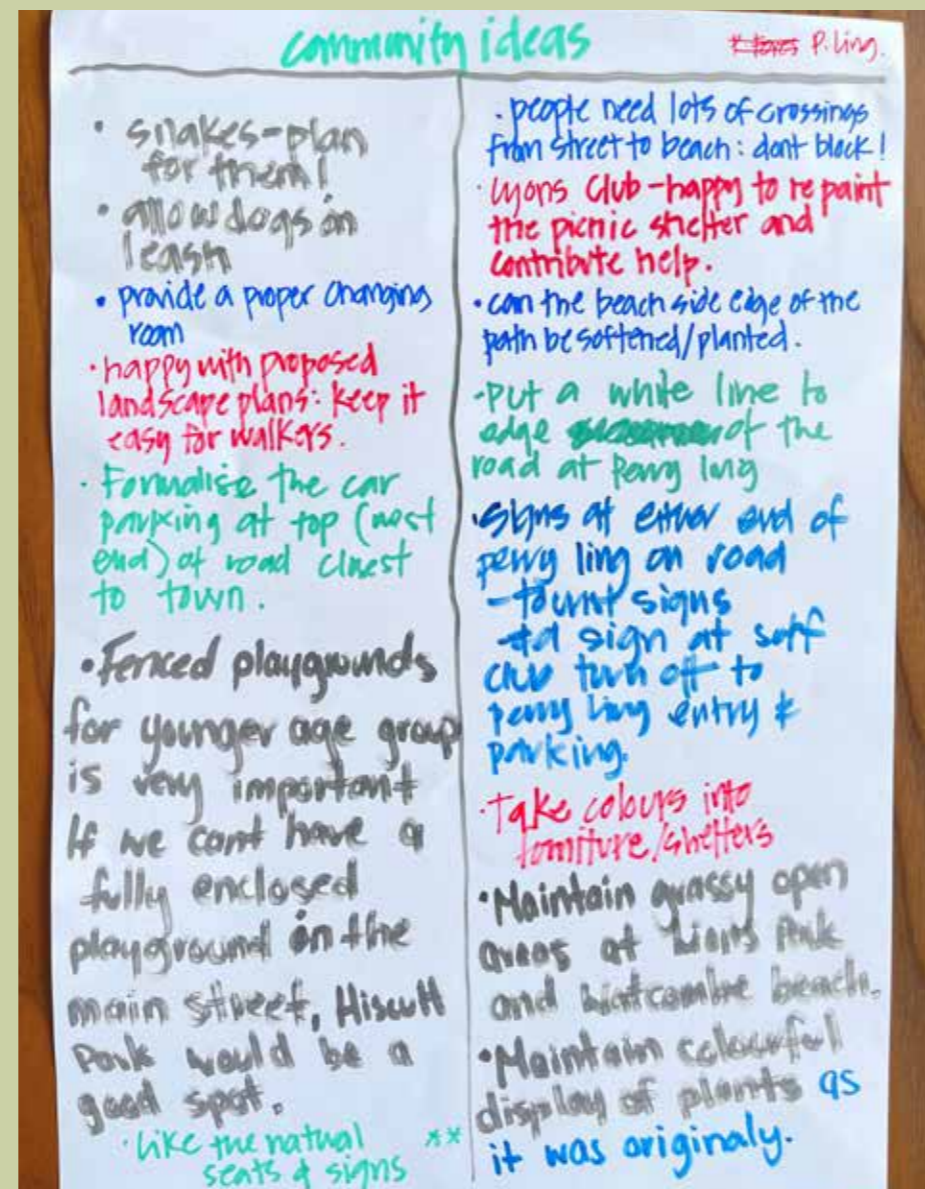
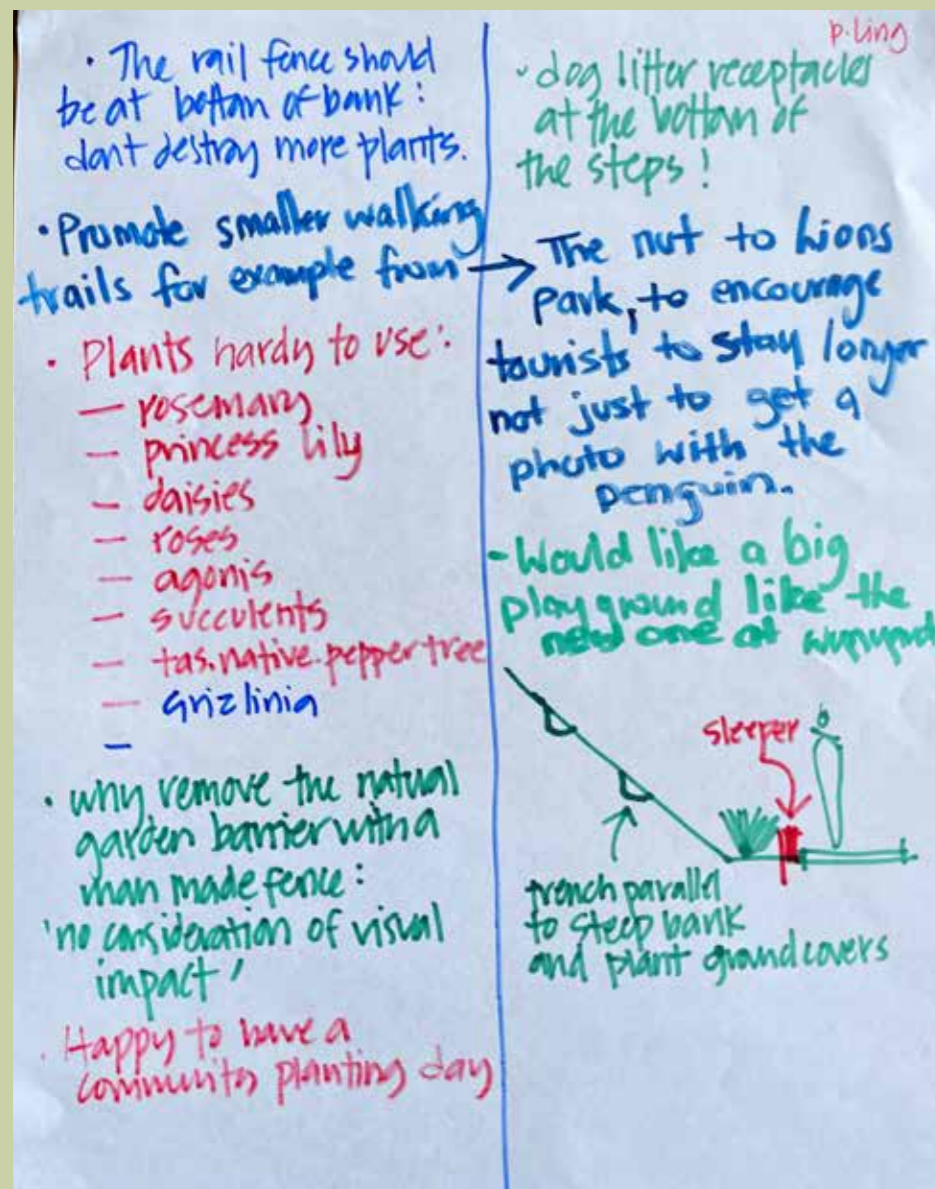
The most frequently raised ideas for improvement were:

- "Seek community involvement or volunteer support including a Friends Group and involvement of local Schools (12 respondents);
- provide more native plantings/return to natural beauty/ use of local coastal plants (12 respondents);
- maintain the drains and weeding programs (9 respondents); " 5.

3. Inspiring Place "Perry-Ling Gardens Community Survey Response." Prepared for Central Coast Council, Oct 2020, p.2.
4. Inspiring Place "Perry-Ling Gardens Community Survey Response." Prepared for Central Coast Council, Oct 2020, p.5-7.
5. Inspiring Place "Perry-Ling Gardens Community Survey Response." Prepared for Central Coast Council, Oct 2020, p.8.



COMMUNITY CONSULTATION & FEEDBACK



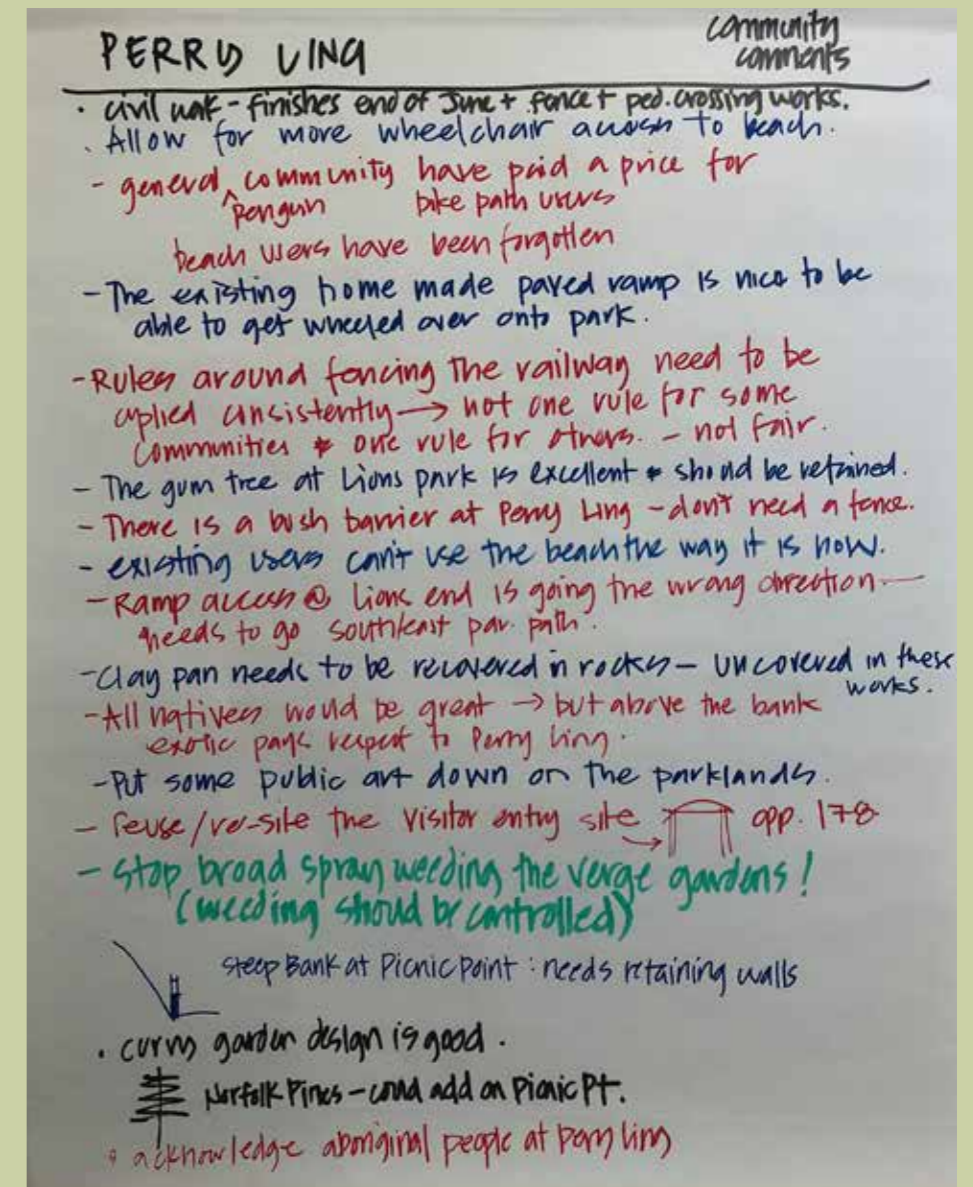
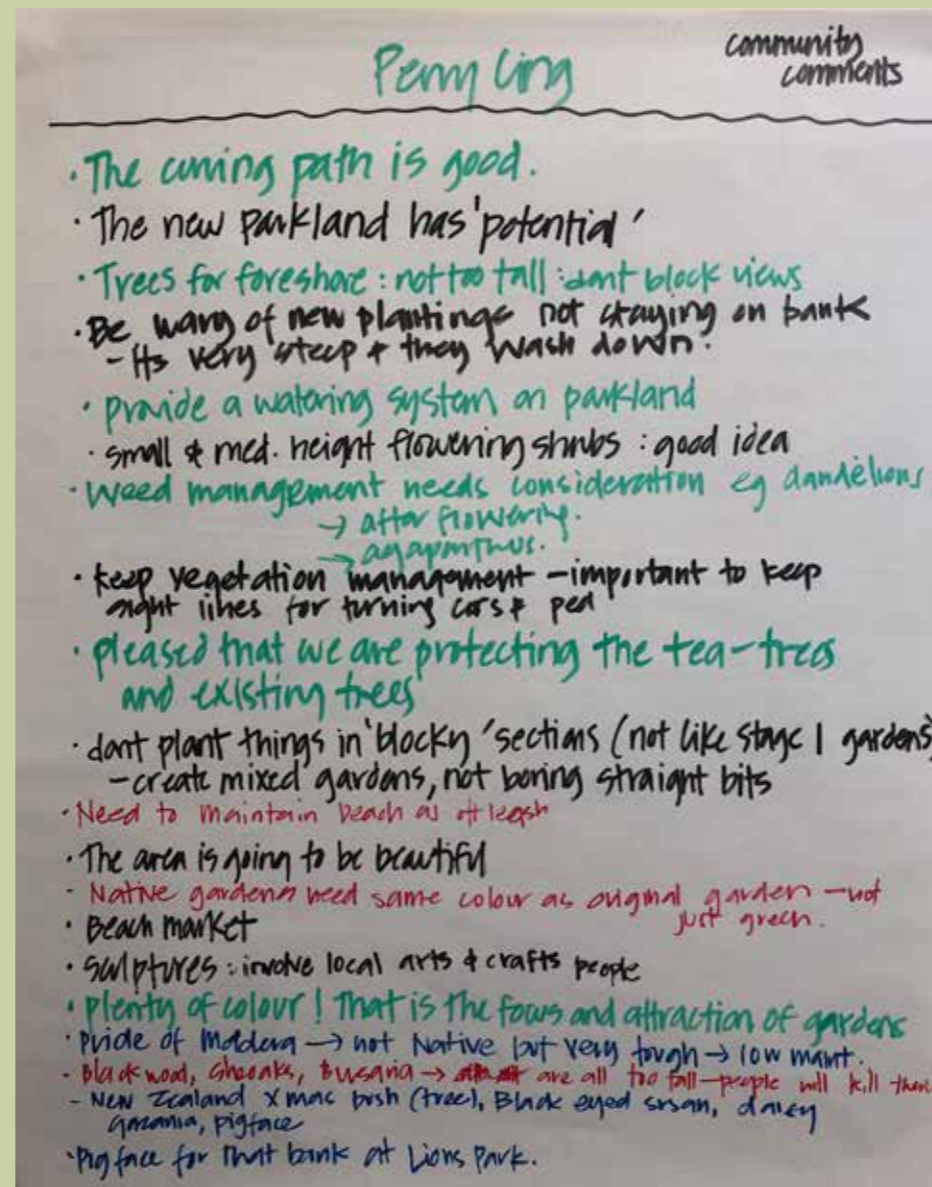
Post Setup Shop Feedback

Over 50 people attended one-to-one consultation sessions held in the Railway Station in May and June 2022, with over 30 hours of one to one engagement garnering a good response from the local community.

Meetings with the Penguin Makeover Community Group, The Penguin Heritage Group and Lions Club all yielded good ideas about ongoing community involvement in the gardens. These community groups may help with ongoing projects as the council undertakes the Masterplan and associated works.



COMMUNITY CONSULTATION & FEEDBACK



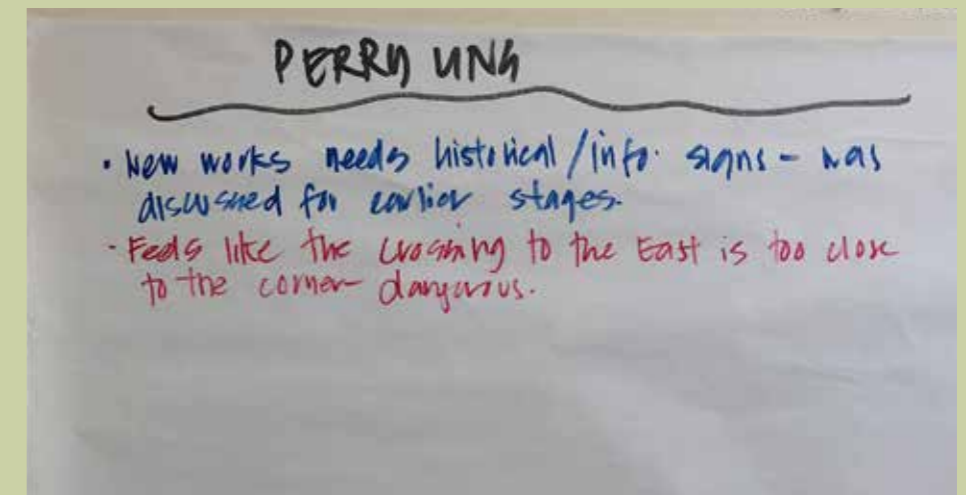
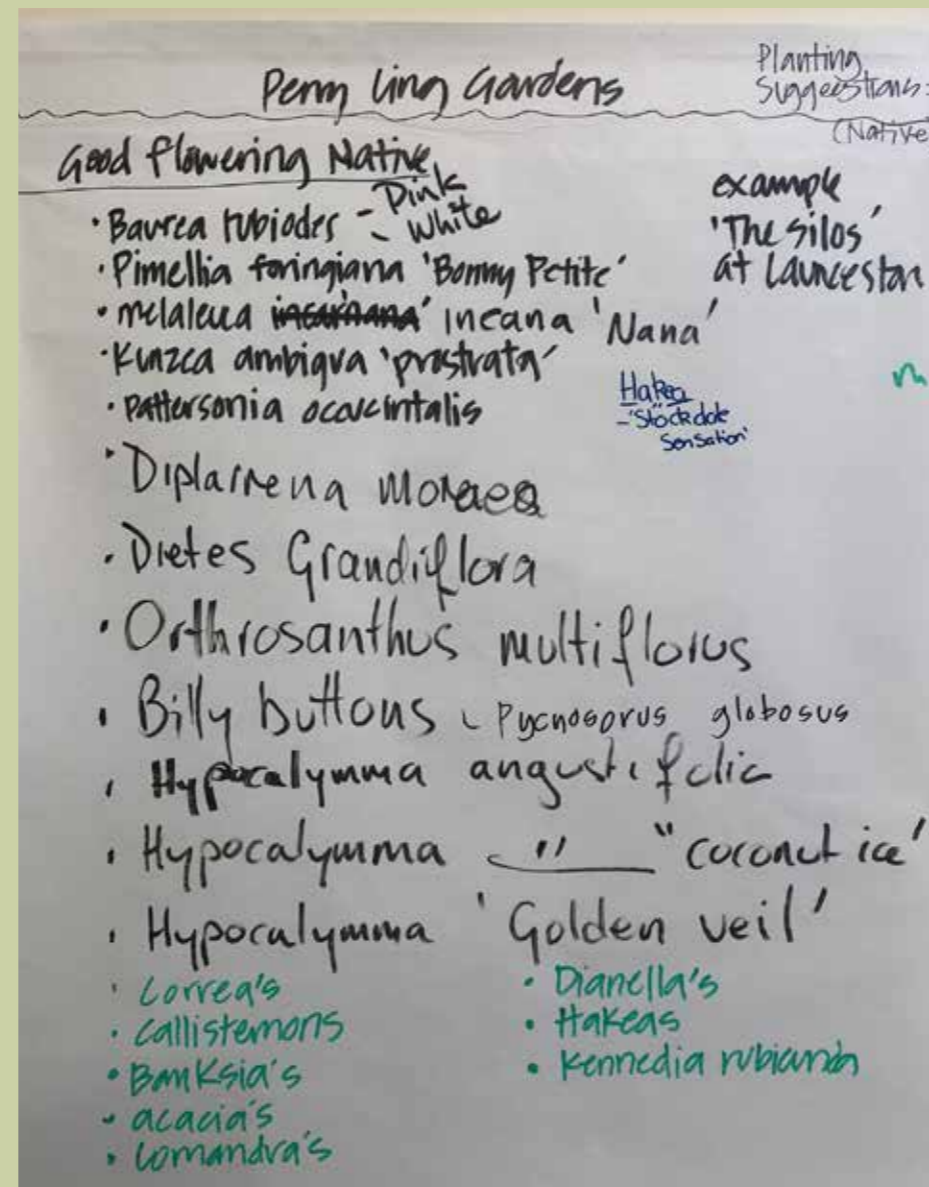
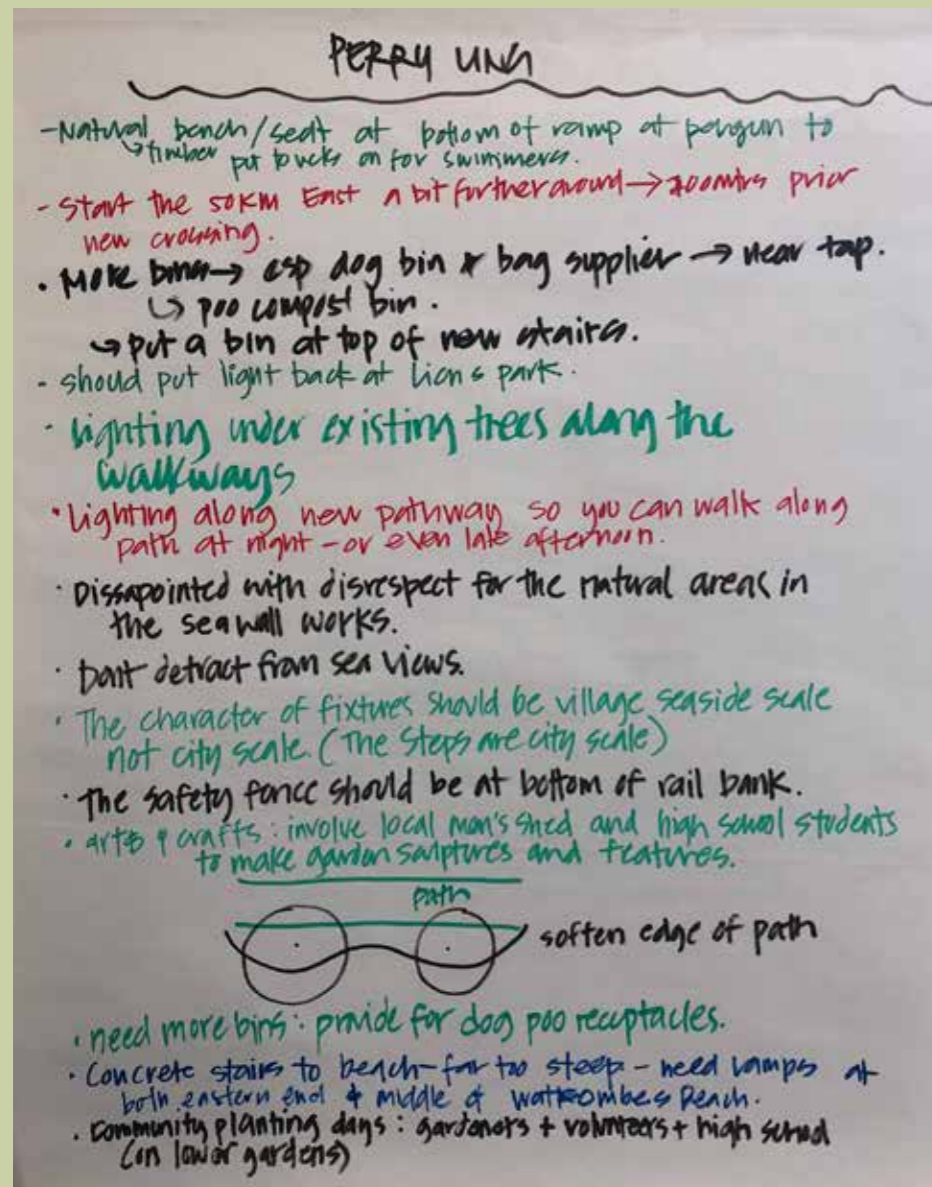
What The Community Say

Residents are happy with the approach of the Masterplans and concepts presented and they appreciate the efforts to revegetate and improve the sea wall engineering works. The curving gardens featuring mixed floral shrubberies with occasional trees, was considered a good design approach.

There were no real complaints about the designs excepting issues related to the engineering works related to limiting beach access/ fencing, over clearing of vegetation, and removal of significant trees. A number of people put their name down to assist with future planting in the parklands.



COMMUNITY CONSULTATION & FEEDBACK



Ideas From Residents

- Planting only very hardy species that provide colour at all seasons
- Residents liked the examples of natural seats and interpretive signs
- Why remove the planted verge barriers to build a new man made barrier/ fence: if a fence is required, it should be at the bottom of the gravel rail bank
- Provide dog litter receptacles at the bottom of the stairs
- Provide a colour palette and keep the unique Penguin style going
- Steep banks are unsafe: stabilise with plants in parallel trenches along banks
- Provide shade and protection
- Keeping the open lawn with flowering shrubberies feel
- Involving community in replanting the parklands
- Tell indigenous history
- Create art and craft features along the walk
- Create mixed planting gardens, not boring straight lines of same plants
- Lighting under mature trees
- More steps off the revetment to the beach
- Focus the gardens on flower and colour



THE PERRY-LING GARDENS LANDSCAPE MASTERPLAN

Aims of The Masterplan





The Landscape Masterplan will recreate the flowering gardens in a sustainable long-term manner.

The landscape works will soften and integrate the new civil infrastructure into a park setting.

New parklands will feature meandering gardens with numerous niches for passive and active play.

THE LANDSCAPE MASTERPLAN

LEGEND

-  Verge Gardens
-  Lower parklands and gardens
-  Native coastal revegetation areas
-  TASRAIL corridor

THE LANDSCAPE MASTERPLAN

- The Landscape Masterplan will recreate the flowering gardens in a sustainable long-term manner.
- The landscape works will screen and integrate the new civil infrastructure into a park setting.
- New parklands will feature meandering gardens with numerous niches for passive and active play.

LIONS' PARK HEADLAND

- The gardens from Lions' Park Headland to the new pedestrian crossing on Main Road will revegetate and stabilize steep banks.
- The planting will be complemented by interpretive signage.

VERGE GARDENS

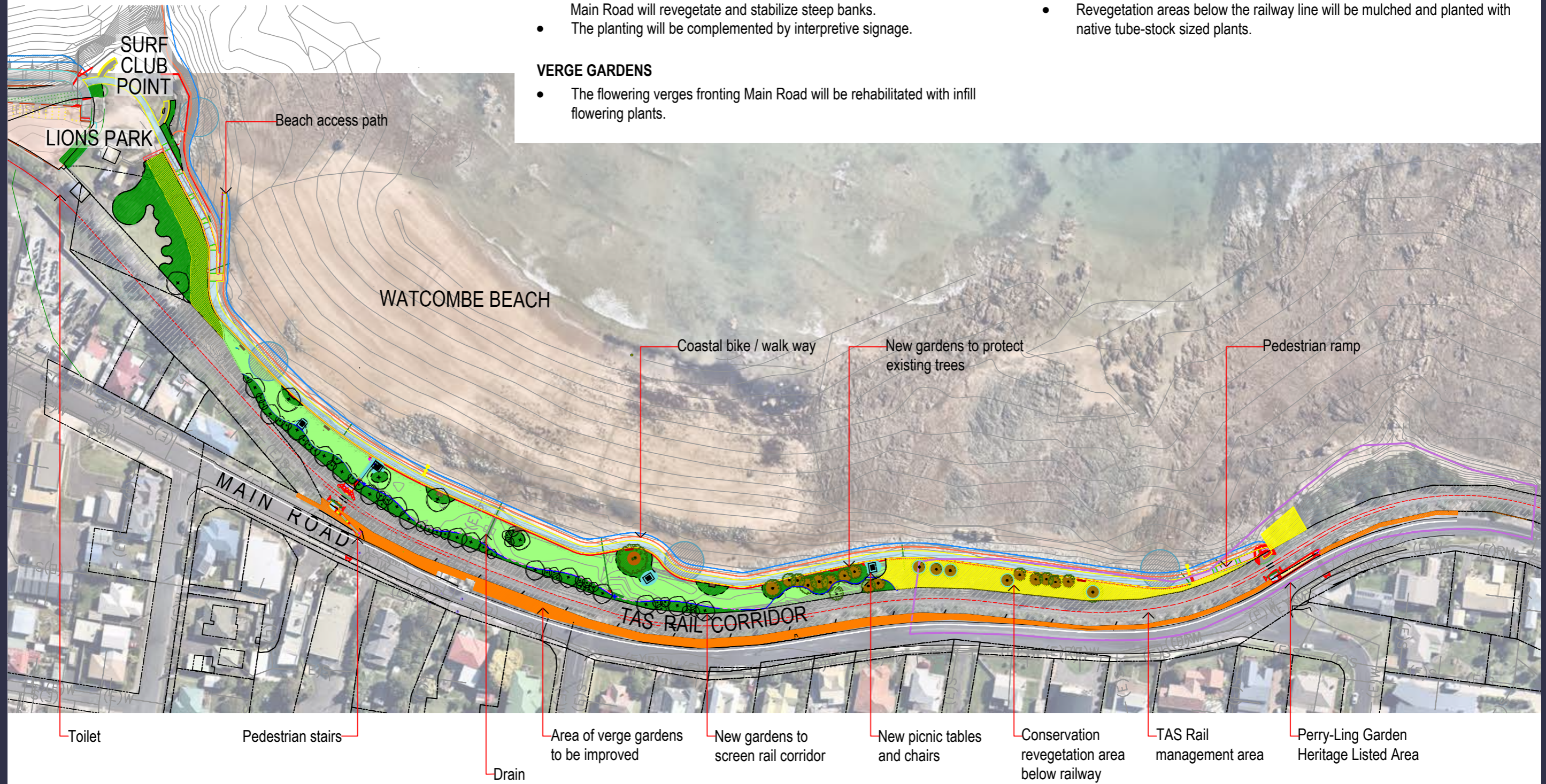
- The flowering verges fronting Main Road will be rehabilitated with infill flowering plants.

CENTRAL GARDENS

- A series of oval flowering gardens will each feature a native shade tree.
- A range of seating and table / chair options will provide sitting places with a range of viewpoints and wind protection.
- The existing stands of native trees will form the basis for new mulched areas. Flowering shrubs will be planted into these curvilinear gardens.

EASTERN GARDENS

- Beach access points will feature Penguin styled way-finding and interpretive signs.
- Revegetation areas below the railway line will be mulched and planted with native tube-stock sized plants.



Park Furniture and Fixtures

Furniture and Seating

A range of seating options have been developed to encourage people to stay and use the gardens. Beside the paths will be universally accessible picnic table settings. Railway sleeper long benches will provide informal deck like seating for groups and provide places for sun-lounging.

Comfortable locally made cypress-pine (Adirondack chairs made by Tassie Cut-N-Carve) chairs will be located along the promenade. Seats are located to provide a range of viewing points and to provide varied positions to screen from prevailing wind. Furniture will be brightly painted in the Perry-Ling colour palette.

Sun Chairs

The Adirondack style sun-chairs will be installed in clusters central to the parklands beside the path and facing the ocean. The Adirondack chairs are made locally in Heybridge by local woodworker John of Tassie Cut and Carve. The chairs are made of Australian Cypress.

Picnic Tables and Chairs

The picnic tables and chairs are Australian made 'Taroom' setting, a robust, simple style of furniture to be painted in the Perry-ling colour palette by volunteers and Council to achieve colourful settings which reflect the local flora and landscape. Occasional benches with backs will be provided along the path to provide back rest support for older residents.

Picnic Shelters

Picnic shelters can be added over time, over the picnic settings to provide shade and shelter. One shelter will be established in Stage One works.





Seating & Story-telling

New interpretive signs will feature robust materials keeping with the Coastal character.

The signs should interpret the stories about the history and characters that made the Perry-Ling Gardens. Other signs will feature a Perry-Ling Gardens site map as well as some interesting stories regarding the history of Watcombe Beach and the rail line. The signs will also feature stories about Mr. Perry and Mr. Ling and the works they achieved to create the gardens.

Seating will incorporate long benches made from recycled railway sleepers in some areas there will be benches with backs for older people, and picnic tables for groups and families.



Signage

Two large interpretive signs will feature stories on the following themes:

- Perry-Ling Garden - the people and their works in the garden
- Local flora and fauna – highlights and unusual facts
- A site map
- History of Perry-Ling Gardens and early Watcombe Beach
- History of the coastal rail line

Signs will be built from recycled railway sleeper structures and feature laser-cut aluminum forms related to the two signs. The local community, including relatives of the Perry-Ling families, The Penguin History Group, and the Penguin Makeover Community Group will be encouraged to provide stories, text and images.

Colour Palette

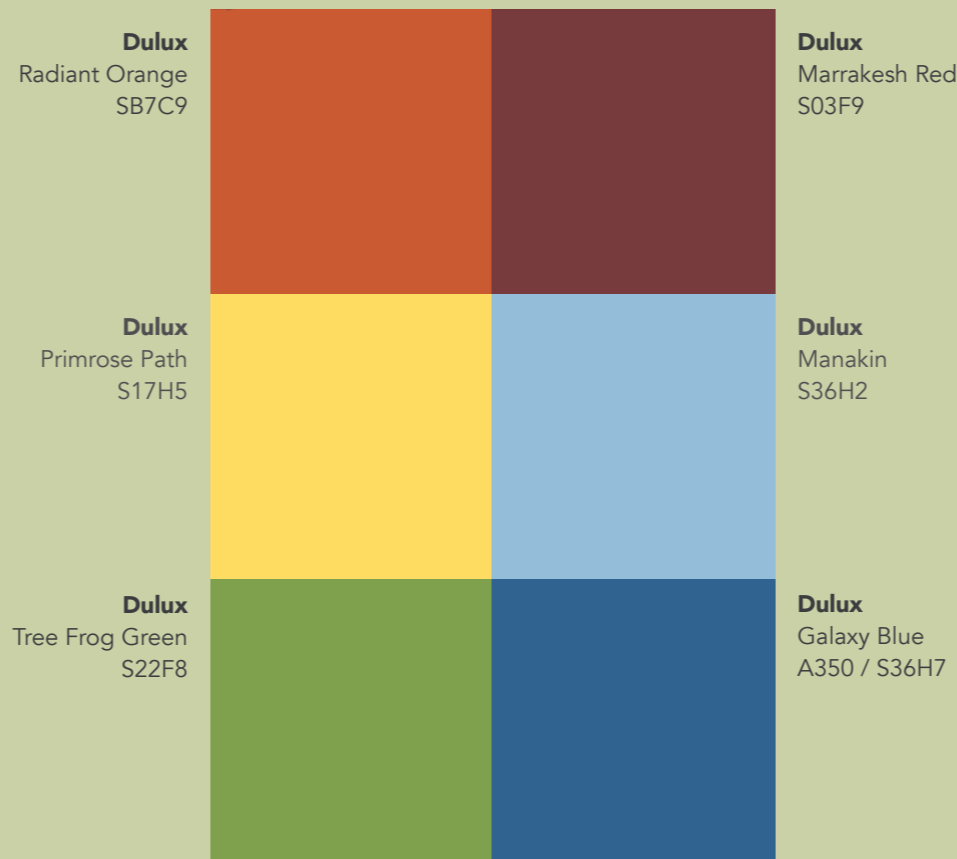
A colour palette has been developed for the Penguin Town Centre and Foreshore works. The palette incorporates colours which are harmonious with the coastal landscape character. The colours also include two additional purple-blue colours which are added to form the Perry-Ling colour palette.

The colours can be used to standardise the ongoing colours of the following park and street elements:

- Street and park furniture - steel work, multi-colour themed painting of timber slats
- Signage - posts and blades
- Play equipment - steelwork colour
- Streetlights - new post top lights

The main colour for future posts, structures and light posts is Dulux 'Blue Regal'. The Landscape specification outlines more detail on the paint system.

Penguin Foreshore Colours



Additional Perry-Ling Garden Colours



Seats and Tables

New multi-coloured slats are to be painted in accordance with the specification. Colours are to be randomly mixed, with no more than two slats of one colour on any fixture. Structures and frames will be Dulux 'Regal Blue'. Existing street furniture can be repainted using the new colour palette.

Safety in Design

Visual Surveillance

The gardens have been designed in the lower parklands to enable visual surveillance and encourage safe walking and respite. Garden shrubs and trees should be maintained to enable visibility between shrubs and tree under-stories.

Rail Line

The rail fence will ensure safe crossing points to Watcombe Beach. Entry stairs and ramps have vegetation heights adjacent to the rail line which provide safety for the TasRail operations.

Embankments

The civil works have created steeper banks in areas. These will be progressively vegetated with dense ground covers and plants which deter crossing. At key points a timber railing will provide an additional informal barrier.

Paths and Beach Access

The main concrete path is designed to take occasional service vehicles and provide vehicle access close to the beach. Paths need to be maintained without loose material to ensure pedestrian and bike safety. The wide paths provide for emergency vehicles access.

Street Verges

The heritage gardens are close to the road carriageway. Council should line- mark a 1.2m zone on the northern side of Main Road to allow safer maintenance beside the planted verges and the heritage gardens. Plantings near road edge to be kept low to improve visibility for staff safety.

THE LANDSCAPE MASTERPLAN

Public Art and Crafts

The Penguin community is very supportive of including artworks along the foreshore and numerous ideas and suggestions were made during the set-up shop consultations to create such works.

The most popular ideas were about sculptures featuring local flora and fauna. Robust sculptures could be incorporated overtime to create landmarks and focal points along the garden walk. One resident next to the gardens has already begun this process by placing an artwork in her garden adjacent to the parklands. Community art processes can extend the significance



Planting Design Principles

Heritage Garden Principles

The Perry-Ling Heritage gardens were created with a particular design approach. Whilst informal, the gardens achieved a unity of form and colour defined by some design principles which can continue to be applied in the refurbished parklands and verge gardens.

The design principles are shown on the adjacent image. Planting of ongoing gardens should achieve:

- 1. Groups of ground covers and prostrate plants that comprise at least 5-10 of the same species in each cluster.
- 2. Smaller leafy plants and grasses / strappy plants comprise the dominant element. Small shrubs should be clustered in groups of 2-3 of the same species, closely spaced to minimise weed growth.
- 3. Larger shrubs to form occasional features and be planted in groups of 2-3 of the same species.
- 4. There should be no grass or void areas in garden beds: ground covers to make up low areas.
- 5. Yellow flowering shrubs should be clustered together to form bigger groupings.
- 6. Flowering plants should be spread out to ensure there is seasonal colour in each location.
- 7. The Spring / Summer flowering period will dominate the palette and create the main 'wow' experience. These seasonal plants should form at least 50% of the plantings.
- 8. Feature plants - unusual flower or colour, succulents with striking foliage and unusually shaped/architectural plants should be used as landmarks, to create occasional focal points and break up the view line.
- 9. Parkland plants - can feature taller shrubs to screen the railway line and create wind screening.
- 10. Verge plants - can feature smaller shrubs to allow views to the ocean and to minimise weed growth.

Contemporary Garden Principles

The additional design principles applied to the broader improved parklands and the Heritage gardens include:

- 1. Feature endemic flowering plants in order to support local biodiversity and local character.
- 2. Replacement trees to be endemic to the coastal foreshore.
- 3. Safety and surveillance by design.
- 4. Water sensitive urban design.
- 5. Community co-design principles: collaborative engagement and community ownership.
- 6. Naturalistic landscape layout featuring curvilinear and elliptical garden forms set-out around remnant mature trees.
- 7. Maintainability principles: materials and plants which can be easily improved or replaced over time.
- 8. Hardiness and climate responsive: utilize local plants, suppliers and materials where possible. Plant species for an increasingly warmer climate with more storm- surge impacts.
- 9. Prospect and refuge - provide outdoor 'niches' that have differing views and are protected from winds in varied locations.
- 10. Less is more - the flowering plants and the beach scenery should dominate. All other infrastructure and amenities should be simple and understated.

Plant Supply and Procurement

Plants will be procured in advance to ensure the correct species are available for planting. The Plant palette provides a range of plants with a focus on flower and compact form.

Native plants need to be procured in trays of tubes and ordered in sufficient single species quantities to make orders viable. Plants generally should be planted in clusters of 3-5 plants to

make up larger groupings. Single plant areas should be avoided. Diversity of form and colour is the primary design criteria, along with hardiness.

Plants ideally should be hardened off in Council's nursery for a period of at least 2-4 weeks: placed in open, gravel areas and watered whilst they acclimatise to sun and weather.

Community Planting Bees

Council parks team and Perry-Ling gardens volunteers can collaborate over a series of half-day planting bees to plant the gardens. This will continue the process established by Perry and Ling and help build community pride.



Image of Maxwell Perry gardening (care of his daughter Brenda)

THE LANDSCAPE MASTERPLAN

Planting Design Principles

Occasional brightly contrasting foliage / flower forms focal points and breaks up the uniformity of green.

Clumps of contrasting ground covers bookmarked by different coloured medium height shrubs.

Lower shrubs screen rail line.

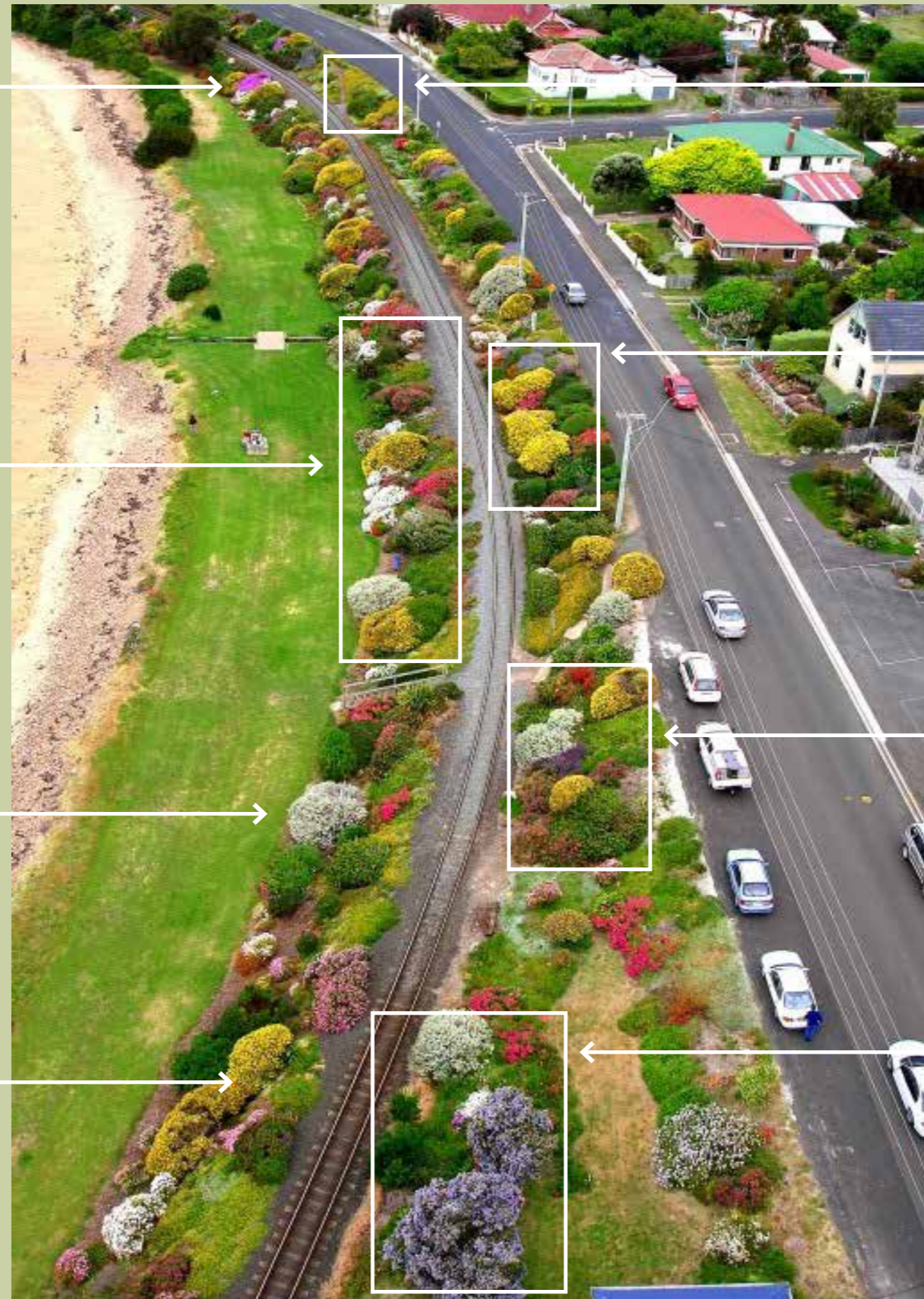
Predominant shrubs have rounded form.

Yellow flower forms dominant coloration.

Groups of 2-3 similar dense shrubs in contrasting flower colour.

Small prostrate shrubs form spaces between mixed coloured shrubberies.

Use predominantly dense shrubs to minimise weeds and maintenance. Closely space shrubs.



Historical Image of the Perry-Ling Heritage Gardens at their peak condition

Flowering Colour Palette

The Perry-Ling Gardens featured varied Spring flowering shrubs set into groupings and separated by background foliage plants and ground covers. The historical foliage palette and mix has influenced the selection of future plants in this Masterplan. The plant palette in this Masterplan shows flowering colour and season to assist with planting selection.



Yellow, white, cream & pink flowers



Light green & dark green foliage

THE LANDSCAPE MASTERPLAN



Magenta & purple flowers



Combined flowering colour combination



Historical image showing heritage gardens

Community Involvement

Planting Works and Community Planting Bees

Ongoing maintenance works other than planting may also be undertaken by members of the community if a volunteer group is established/

Further to the consultation undertaken in June 2022, local residents have volunteered to assist with future works once the gardens and amenities are established, including planting small pot stock, painting timber benches and structures.

Perry-Ling Gardens community planting bees will be organised for some of the lower parkland works. Council will prepare garden beds to a mulched level with advanced trees already in place, and procure the smaller plants according to the plant schedule. Plants will be set-out by the Council co-ordinator and parks staff and residents will plant tube to 140mm pot stock. Council will undertake watering and establishment.

Community Painting Works

Slatted timber furniture suited for painting will be provided on establishment, and a community painting bee organised, with Council providing paint, brushes and clean-up equipment.

Painting will utilise the Perry-Ling colour palette and timber will be painted and then maintained by the community in collaboration with Council. It's recommended that an annual paint touch-up is undertaken.

The items to be painted in a random multi-colour slat pattern include: picnic tables and chairs, Adirondack chairs. The items to be painted in a dark blue-grey are: timber posts / picnic shelter structures.





THE STREET VERGE GARDENS

The verge and Heritage gardens over time became run - down due to difficulties with maintenance and human resources.Improvements seek to reinstate the unity of the flowering gardens, in a more sustainable manner.

After the new TasRail fence is installed, the verge gardens will be cleared of dead brush and weeds mulched in preparation for infill planting. The plants will be drawn from the Perry-Ling Planting Palette list.

Maintaining Verge and Rail Corridor Areas

The edge to the road needs to provide a safe access way for maintenance staff. The Tas Rail corridor will be defined by a new chain mesh fence on the lower side of the banks.

A zone three metres either side of the railway corridor will need to be kept clear of plantings and will be maintained by Tas Rail. Native low maintenance ground covers and jute matting will be installed for ease of maintenance within the rail corridor, where possible.





THE PARKLAND GARDENS

Revitalising The Flowering Gardens

Residents and visitors enjoyed the informal character of Watcombe Beach. The sea-wall works, whilst improving access and erosion protection have significantly altered the character of the remnant and heritage gardens.

There is an opportunity to now re-establish the flowering gardens in a more intentional and long term manner.

Civil Works

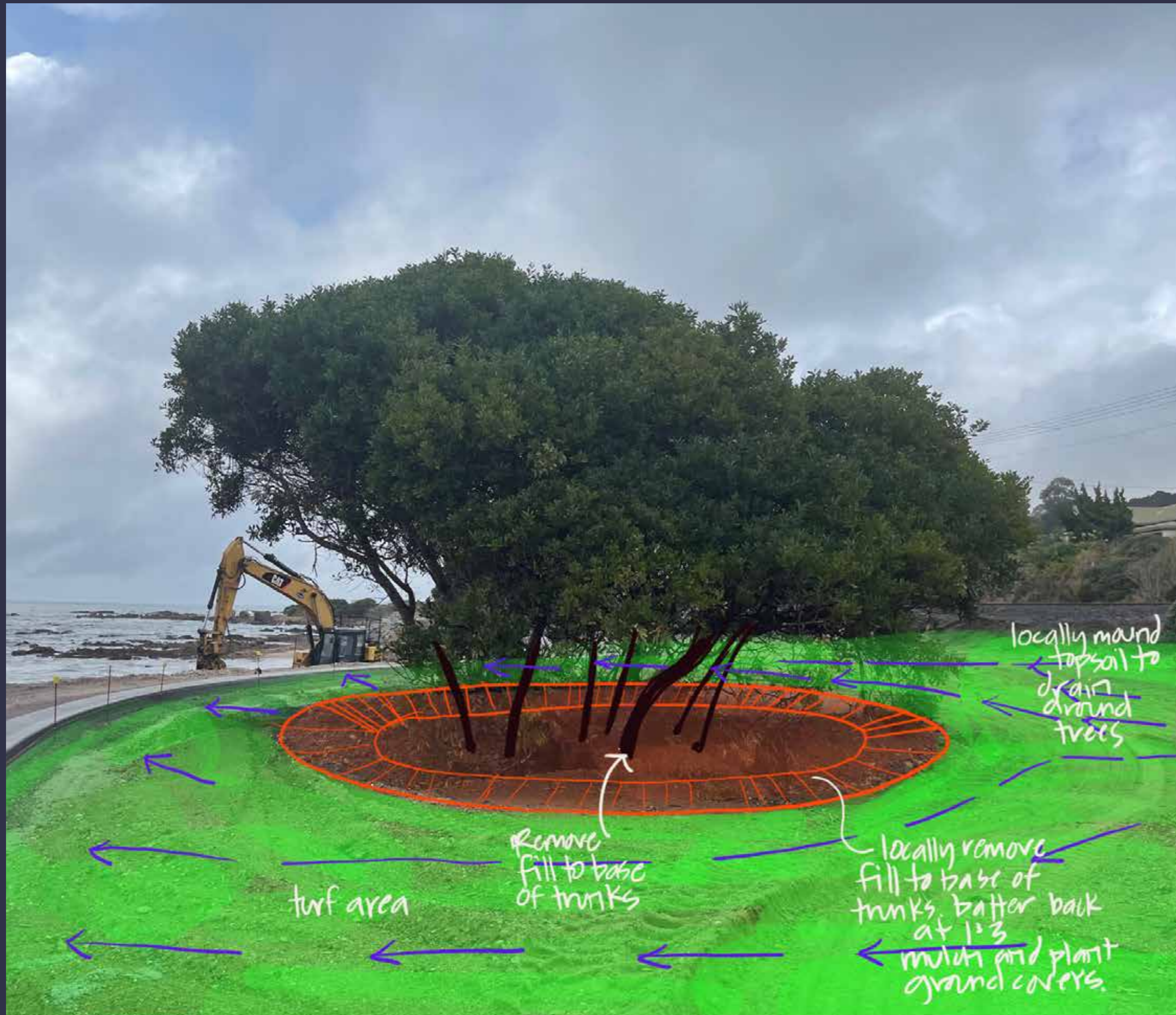
Civil engineering works have created a few challenges for the ongoing landscape works.

Banks will require careful retention and remediation.

New beach access paths and drains will need integration into the landscape setting.



THE PARKLAND GARDENS



Significant Trees

A few significant stands of native trees remain on the lower heritage garden areas fronting Watcombe Beach.

Civil works are creating soil levels and drainage to allow these trees to be retained.



Path Location

Significant trees on the remaining banks near the railway line will also be retained.

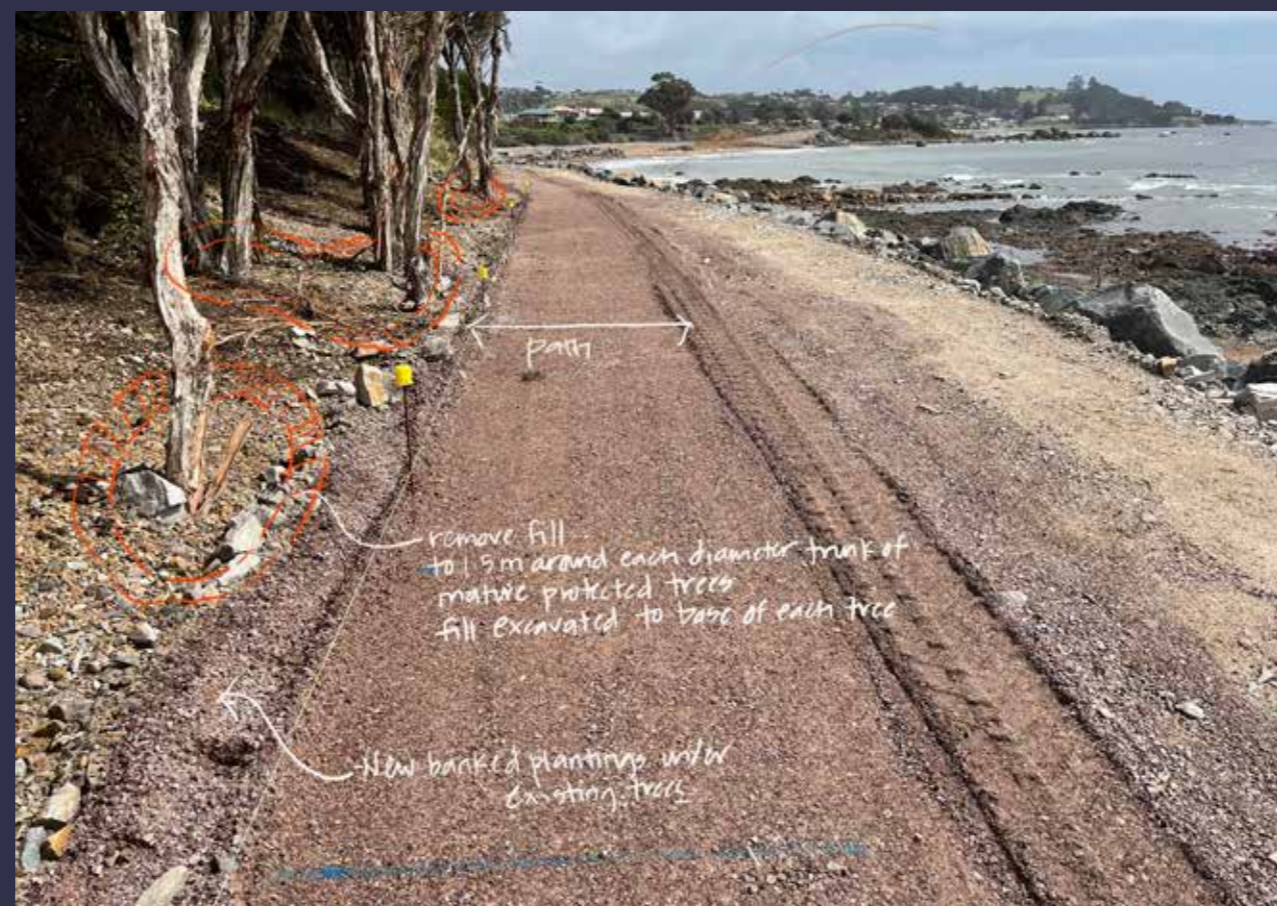
The new walkway will provide access to a range of seating locations with varied aspect and wind protection.



Surface Drainage

The remaining stands of trees will form the basis of new curving garden beds which will feature native flowering plants.

New gardens within the level turfed areas will be created to harmonize with these curvilinear gardens.



Mulching Around Trees

Mature trees are at a lower level than the finished grassed areas and these areas will be mulched.

New plants will be installed beyond the drip line of trees.



THE MANAGEMENT PLAN

Verge Maintenance

The street verge gardens are difficult to access and maintain, as such, Council will continue to provide regular maintenance as per maintenance plan. Residents are not encouraged to assist in these areas due to safety concerns.

Small ground level markers may need to be installed along the outside of the railway line (to indicate the track protection zone and to clearly defining where volunteers can safely work.)

Planting and visibility

Plants in the street verge areas need to have an overall height limit of 1-2 metres, with the immediate plants near the roadway generally being on average not more than 1.2 metres. This does not mean all plants over this height need to be removed, however as existing plants die or require replacing, they should be replaced with plants that fit this restriction.

Lower Parkland Maintenance

The lower parklands provide safe access and are well-suited for Council and the community to collaborate to maintain and improve the heritage gardens. Council Parks staff will have a much larger and integrated parkland to maintain in the improved lower parklands and as such will require more resources and time.

The Perry-Ling Gardens community group can over time also assist with occasional weeding. The new circular gardens adjacent to the paths are nominated as gardens to be the focus of the community group's maintenance works. These are the gardens residents see the most and provide the easiest access for maintenance. Council can then focus on all other garden beds with their parks maintenance crew. Council will undertake a regular roster following the maintenance programme to ensure watering, fertilising, weeding of garden, as well as regular grass mowing.

Maintenance Budget

The park budget allocation for the maintenance of the Perry-Ling Gardens Reserve has remained the same for several years and the budget has been exceeded each year. Maintaining the gardens around the railway line requires more care and is more time consuming than maintaining a park. Safety requirements add complications for parks staff. The Perry-Ling gardens are resource hungry and time consuming and numbers of available staff and vehicles are limited.

The cost of replacement plants has increased over time. New tasks will include: establishment watering and weeding, furniture and ramp cleaning, repairs and signage cleaning. The new gardens will have substantial numbers of plants and garden areas. The new parklands will include intensive garden beds and park amenities commensurate with a higher level of service, equivalent to 'Feature Gardens' as defined by the Central Coast Council parks guidelines. Additional recurring funding will be required so funds can be spent on maintenance as well as ancillary works. If it is a matter of employing extra staff, additional vehicles may be required to be made available to support the employees.

In summary, the recurring maintenance budget will need to double that of prior years if the newly installed gardens and facilities are to be kept to a higher standard commensurate with the prestige and importance of the Perry-Ling Gardens, and to maintain the new park infrastructure and amenities.

Existing Maintenance Regime: Lower Parklands (along Watcombe Beach)

Prior to the construction of the sea wall works in 2021 - 2022, the following tasks were undertaken by Council staff within the lower parkland areas:

Spraying: undertaken three / four times per year.

Trimming: twice per year.

Re-plant: in March (ready for winter rains), September / October.

Re-mulch: once per year.

Watering the plantings: in summer (as required).

Remove old/dead vegetation: As required.

Issues: Unable to work within 3 metres of the rail tracks without spotters, induction etc.



MAINTENANCE

Proposed Level of Service for Feature Gardens

Feature Garden Beds

The improved Perry-Ling Gardens will fall into the Council’s ‘Feature Gardens’ definition and level of service care:

Feature garden beds’ include a range of high profile, landscaped areas within parks, road reserves and centres throughout the Central Coast, generally associated with prominent infrastructure. They tend to have a high aesthetic profile and always result from deliberate construction within defined boundaries. "Feature garden beds usually consist of annuals, perennials, herbaceous perennials or native and exotic shrubs or ground covers grown and arranged specifically for horticultural display purpose. Typically, the sites include garden beds adjacent to car parks, picnic/barbecue areas, civic areas and facilities. In all floral displays, plants, including any replacements, must be of height, habit, and maturity, consistent with the design intent."

Future Activity & Level of Service

Levels of Service

Council Staff shall ensure that the maintenance tasks described in this table are carried out and that the assets are maintained at the following new minimum standards:

Inspection cycle: Fortnightly

Weeding: Weed when coverage of any one bed exceeds 20% or height exceeds 100mm or a single weed occupies a spread area greater than 100sq.cm.

Mulching: Replenish when depth excluding humus less than 20mm or reduce when depth excluding humus exceeds 150mm after 2 weeks settlement, or when coverage less than 100% with approved mulch.

Litter Control: Remove all visible litter weekly.

Plant Maintenance: Remove when plant condition less than

50%.Perennials divided as required for plant health and appearance. Removal of significant spent flowers or by order of supervisor.

Edging: Edge when turf has grown greater than 50 mm over greater than 25% of the garden edge or intrudes into bed and disrupts continuity of edge (where not formally edged). Chemical edging only with prior approval to a maximum width of 50mm.

Planting: Replace when plant number less than 90% or plant coverage less than 90% of design intent. Replace per program approved by the Supervisor.


Furniture and signage: Spray and wipe graffiti or stains.

Ramps / stairs: : Spray and wipe handrails. Remove litter.

Reporting: Report all visible defects to the team leader / manager.

Annual Maintenance Schedule

This chart shows the proposed annual programme which incorporates the additional works related to the improved parkland amenities. The programme relates to a 'Feature Garden' level of service.

		Annual Maintenance Schedule - Perry-Ling Gardens																																Current to July 2022																
	RESPONSIBILITY	June				July				Aug				Sept				Oct				Nov				Dec				Jan				Feb				March				April				May				
	WEEK	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4					
ACTIVITY/TASK																																																		
1. Hedge trimming / pruning	Parks team leader																																																	
2. Planting	Parks team leader																																																	
3. Weed spraying	Parks team leader																																																	
4. Hand weeding	Parks team leader																																																	
5. Mulching	Parks team leader																																																	
6. Litter removal	Parks team leader																																																	
7. Watering of new plants	Parks team leader																																																	
8. Removal of dead vegetation	Parks team leader																																																	
9. Furniture and signage - clean down surfaces	Parks team leader																																																	
10. Path, stairs and balustrades - clean down surfaces	Parks team leader																																																	



PLANTING PALLETTE

Developing The Perry-Ling Planting Palette

Plantings to the Perry-Ling Gardens feature a mix of exotic and native plants within the heritage gardens and the beach front parklands. Ongoing flowering gardens below the rail-line are intended to be planted with both native and exotic shrubs, with parkland trees from native vegetation communities.

Promoting Endemic Flowering Plants

This vegetation map, provided by LISTMAP Tasmania, shows the current vegetation communities around Penguin. The Perry-Ling Gardens are located on public lands adjacent to Watcombe Beach. Small remnant vegetation patches surround the town and have been used to inform the native plant palette that follows. This will help to ensure plant choices are well suited to local soils and climate. Vegetation communities correspond with the three broad ecozones in Penguin described in the Penguin Town Centre Masterplan report (waterways, foreshore and townscape).

Coastal Vegetation Zones:

Notable remnant vegetation zones shown on the vegetation map which provide species for the suggested native plant palettes in the following pages are as follows:

Watcombe Beach vegetation community:

(SSC) Coastal scrub; (NME) *Melaleuca ericifolia* swamp forest

Dial Point vegetation community:

(SAL) *Acacia longifolia* coastal scrub; (SSC) coastal scrub

Penguin Point vegetation community:

- (ARA) Saline sedgeland/rushland
- (FPF) *Pteridium esclentem* fernland
- (NME) *Melaleuca ericifolia* swamp forest

North western peri-urban slopes vegetation community:

(DOB) *Eucalyptus obliqua* dry forest (Messmate Stringybark/ Tasmanian Oak)



(DSC) *Eucalyptus amygdalina* - *Eucalyptus obliqua* damp sclerophyll forest

(DVG) *Eucalyptus viminalis* – *Eucalyptus globulus* coastal forest and woodland (White Gum/Manna Gum, Southern Blue Gum)

Wetland areas (behind urban area) vegetation community:

- (WOU) *Eucalyptus obliqua* wet forest
- (WVI) *Eucalyptus viminalis* wet forest

Town area and immediately south vegetation community:

- (DOV) *Eucalyptus ovata* forest and woodland (Swamp Gum/ Black Gum)
- (FPU)/(FPL) Silvicultural plantations

(DAC)/(DAD) *Eucalyptus amygdalina* forest and woodland (/on Dolerite) (Black Peppermint)

There are areas identified in the Perry- Ling Masterplan which will be rehabilitated with only indigenous species, and where weeds and exotic species will be removed.

The following Plant Pallette image pages feature some of the plants to be used in various areas, and the detailed Plant Pallette schedules outline further information on the preferred species. Plants will vary according to season, number and nursery availability,however these species should be the core plants to select for ongoing works. Plants should be procured in advance from local nurseries, and hardened up prior to planting.

NEW FORESHORE GARDENS ON THE LOWER PARKLANDS AREAS



Banksia marginata
Silver/Honeysuckle Banksia



Correa backhouseana
Australian Fuchsia



Dianella tasmanica
Tasman Flax-lily

New foreshore gardens will feature select native shade trees.

Native and exotic shrubs and ground covers will be selected to achieve the character of the flowering heritage gardens.



Acacia mucronata
Narrow-leaf wattle



Acacia melanoxylon
Blackwood



Allocasuarina littoralis
Black Sheoak



Bursaria spinosa
Sweet Bursaria

TALLER PARKLAND SHRUBS AND TREES



Parkland Trees Palette	
Botanic Name	Common Name
<i>Acacia mucronata</i>	Narrow-Leaf Wattle
<i>Alocasuarina littoralis</i>	Black Sheoak
<i>Banksia integrifolia</i>	Coastal Banksia
<i>Bursaria spinosa</i>	Sweet Bursaria
<i>Elaeocarpus reticulatus</i>	Blueberry Ash
<i>Melaleuca ericifolia</i>	Swamp Paperbark
<i>Melaleuca squarrosa</i>	Scented Paperbark



TALLER PARKLAND SHRUBS AND TREES



Acacia dealbata
Silver Wattle



Hakea lissosperma
Needle Bush



Acacia longifolia var *sophorae*
Coastal Wattle, Booyalla



Banksia marginata
Silver/Honeysuckle Banksia



Correa backhouseana
Australian Fuchsia



Myoporum insulare
Coast Boobialla

Taller Parkland Shrubs

Shrubs of varying size and habit are required for the different conditions and requirements within the Town Centre and coastal zone.

To soften the new seawall and create places to gather and linger, hardy coastal natives should be planted. Their low undulating forms create visual interest and will help to stabilise the foreshore area. They offer habitat corridors for small fauna, and will maintain sight-lines in what will become a well used public space.

These native and exotic shrubs will add interest and consolidate biodiversity values in waterway and parkland corridors. Some of the shrubs are suited to the moist soils and relatively protected areas of a riverine micro-climate.

This selection of native shrubs offers a range of plant heights and habits, and flower across the year. Along with the trees, the shrubs add depth and structure to the parkland. The native shrubs build its capacity as a quiet refuge and corridor where flora, fauna and human communities can connect and recharge.

Tall Shrubs Palette

Botanic Name	Common Name
<i>Acacia dealbata</i>	Silver Wattle
<i>Acacia longifolia</i> var <i>sophorae</i>	Coast Wattle, Booyalla
<i>Banksia marginata</i>	Silver/ Honeysuckle Banksia
<i>Correa backhouseana</i>	Australian Fuchsia
<i>Hakea lissosperma</i>	Needle Bush
<i>Leptospermum scoparium</i>	Tea Tree
<i>Myoporum insulare</i>	Coast Boobialla

PARKLAND MEDIUM SHRUBS, GROUND COVERS & GRASSES: NATIVE



Atriplex cinerea
Grey Saltbush, Barilla



Correa alba
White Correa



Dianella revoluta
Blueberry Lily



Pimelea humilis
Rice Flower



Dianella tasmanica
Tasman Flax-lily



Poa labillardierei
Tussock Grass

Medium Shrubs, Ground Cover & Grasses Palette

These native shrubs are among the species noted in the plant palette for use in the lower parkland areas

Botanic Name	Common Name
Small to medium shrubs	
<i>Acacia verticillata</i>	Prickly Moses
<i>Amperea xiphoclada</i>	Broom Spurge
<i>Atriplex cinerea</i>	Grey Salt-bush, Barilla
<i>Calytrix tetragona</i>	Fringe Myrtle
<i>Correa alba</i>	White Correa
<i>Dianella revoluta</i>	Blueberry Lily
<i>Dillwynia cinerascens</i>	Grey Parrot-pea
<i>Goodenia lanata</i>	Trailing Goodenia
<i>Goodia lotifolia</i>	Golden Tip
<i>Westringia fruticosa</i>	Coastal Rosemary
Ground covers	
<i>Carboprotus rossi</i>	Pigface
<i>Chrysocephalum apiculatum</i>	Yellow Buttons
<i>Chrysocephalum semipapposum</i>	Clustered Everlasting
<i>Kennedia prostrata</i>	Running Postman
<i>Pimelea humilis</i>	Rice Flower
<i>Scleranthus biflorus</i>	Cushion Bush
Grasses	
<i>Bulbine glauca</i>	Rock Lily
<i>Dianella tasmanica</i>	Tasman Flax-lily
<i>Isolepis nodosa</i>	Knobby club-rush
<i>Lepidosperma concavum</i>	Sword-sedge
<i>Poa labillardierei</i>	Tussock Grass
<i>Themeda triandra</i>	Kangaroo Grass

PARKLAND & VERGE MEDIUM SHRUBS, GROUND COVERS & GRASSES: EXOTIC



Medium Shrubs, Ground Cover & Grasses Palette

A range of both exotic and Australian (native but not indigenous to area) plants will be required in ongoing park works to complement the local native plants shown on other palettes. These plants provide solutions for locations where other plants are not suitable. These plants include:

Botanic Name	Common Name
Small to medium shrubs	
<i>Coleonema compactum</i>	Pink diosma
<i>Hebe sp.</i>	Shrubby Veronica
<i>Laurus nobilis</i>	Bay Tree
<i>Lavendula sp.</i>	Lavender
<i>Leucadendron salignum</i>	Conebush
<i>Mimetes cucullatus</i>	Common Pagoda
<i>Olea europea sp.</i>	Olive Tree
<i>Photinia sp.</i>	Chinese Firebush
<i>Skimmia japonica</i>	Japanese skimmia
<i>Pachystegia insignis</i>	Marlborough Rock Daisy
Ground covers	
<i>Echeveria glauca</i>	Blue Hens and Chicks
<i>Juniper squamata</i>	Prostrate Juniper
<i>Rosmarinus officinalis pr.</i>	Prostrate Rosemary
<i>Santolina chamaecyparissus</i>	Silver Cushion Bush
<i>Senecio cylindricus</i>	Narrow Chalk Sticks
Grasses / strap-like plants	
<i>Astelia banksii</i>	Coastal astelia
<i>Dietes grandiflora</i>	Wild Iris
<i>Hemerocallis sp.</i>	Day Lilies
<i>Liriope sp.</i>	Liriope
<i>Miscanthus sinensis</i>	Japanese Silver Grass

SHRUBS UNDER 1.2 METRES IN HEIGHT

P:\Projects\2022\2220101 Perry Ling Gardens\Planting Palette\[Perry Ling Gardens Planting Palette_ RevA_ 2220101_ 290722.xlsx]Sheet1

PERRY-LING GARDENS PLANTING PALETTE			JOHN MONGARD LANDSCAPE ARCHITECTS WITH CENTRAL COAST COUNCIL						Rev A - Current to: 29th July 2022			
SHRUBS UNDER 1.2 METRES IN HEIGHT												
PLANT NAME	COMMON PLANTS	TYPE	Size	H-W	HABIT	EXOTIC / NATIVE	DECID. / EVERG.	PLANTING NOTES	SEASONAL FLOWER			
									SPR	SUM	AUT	WIN
<i>Amperea xiphioclada</i>	Broom Spurge	Grass	Small	H: 0.90m	stiff, erect, grassy			Full sun - part shade; sandy soils; heath or woodland; good for mass planting/rockeries.				
<i>Astelia banksii</i>	Coastal Astelia	Grass	Small	H: 0.4-1m W: 1m	tufted, upright, strappy drooping leaves	E	E	Full sun - part shade; well drained soils; coastal tolerant; wind, drought, frost tolerant; low maintenance; habitat and bird food.	W (White)			
<i>Atriplex cinerea</i>	Grey Saltbush	Shrub										
<i>Bauera rubiodes (pink)</i>	River Dog Rose	Ground cover		H: 1m W: 1m		N *	E	Wirey, spreading shrub				
<i>Bauera rubiodes (white)</i>	River Dog Rose	Ground cover		H: 1m W: 1m		N *	E	Wirey, spreading shrub	W	W		
<i>Bulbine glauca</i>	Rock Lily	Grass	Small	H: to 0.5m	erect; tufted;	N *	E	Full sun; most soils but well drained; need some protection until established; fast growing; long lived; hardy; drought tolerant; frost tolerant; rockeries/ mass planting				
<i>Calytrix tetragona</i>	Showy Bossia			H: 1m		N *	E	Erect shrub, red fruit.				
<i>Carpobrotus rossi</i>	Pig face, Karkalla	Ground cover	Small	H: 0.3m W: 2m	Prostrate	N *	E	Full sun; coastal tolerant; hardy; Sandy-well drained soil; light frost; drought tolerant; habitat; bird/bee attracting; fire retardant.				
<i>Chrysocephalum apiculatum</i>	Yellow buttons	Ground cover	Small	H: to 0.6m	slow spread; variable form	N *	E	Full sun-part shade; sandy-well drained; frost tolerant; hardy low maintenance; drought tolerant; mass planting; rockeries.				
<i>Chrysocephalum semipapposum</i>	Clustered everlasting	Ground cover	Small	H: 0.5-0.8m W: 1-3m	erect; slow spread;variable form.	N	E	Full sun-part shade; moist to dry soils - well drained; frost tolerant; rhizomous; dense flowering at stem end; can be cut after flowering; butterfly food.				
<i>Coleonema compactum</i>	Pink Diosma	Shrub	Small	H: 0.8m W: 1.0m	low bushy dense rounded	E	E	Full sun - part shade; moist well drained soil; low hedging plant; can be pruned.				
<i>Dampiera stricta</i>	Blue Dampiera	Grass		H: 0.2m		N *	E	Low, compact, woody shrub.				
<i>Dianella Tasmanica</i>	Tasmanian Flax Lily	Grass	Small	H to 1m W: to 2m	clumping	N *	E	Full shade; coastal tolerant; birds eat fruit; ornamental; drought tolerant; moderate frost.				
<i>Dietes grandifolia</i>	Wild Iris	Grass	Small	H-W to 1m	clumping upright	E	E	Full sun; well drained soil; hardy; rhizomatous; weed supression; erosion control; low maintenance.	W	W		
<i>Diplarrena moraea</i>	White Iris			H: 60cm W: 60cm		N *	E	Tall native Iris.		W		
<i>Echeveria glauca</i>	Hens and chicks	Ground Cover	Small	H: 0.2	dense; mounded clumping.	E	E	Full sun; drought tolerant; succulent; coastal tolerant; poor-well drained-dry soil; hardy; low maintenance; mass planting.				
<i>Goodenia lanata</i>	Trailing Goodenia	Ground cover	S	H: to 1m W: 1.5m	Prostrate, spreading; roots at nodes; does not carpet.	N *	E	Full sun - spart shade; well drained soils; woodland to heathland; rockeries/understorey; yellow flower.				
<i>Hebe sp.</i>	Shrubby Veronica	Ground cover	S	H: 0.9m W: 1.2m	compact, bushy, rounded	E	E	Full sun - part shade; well-drained soil; coastal tolerant; low maintenance; foliage colour; tolerates pruning to shape;				
<i>Hibbertia hirticalyx</i>	Bassian Guinea Flower	Ground cover		H: 1m		N *	E	Hardy spreading bank plant.				
<i>Hypocalymma angustifolium 'Coconut Ice'</i>	Swan River Myrtle	Ground cover		H: 1.0m W: 1.0m		N	E	Spreading groundcover				
<i>Hypocalymma cordifolium 'Golden Veil'</i>	Golden Veil Hypocalymma	Ground cover		H: 1.0m W: 2.0m	compact	N	E	Spreading groundcover	W			W

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N * = Tasmanian Native

SHRUBS UNDER 1.2 METRES IN HEIGHT

P:\Projects\2022\2220101 Perry Ling Gardens\Planting Palette\[Perry Ling Gardens Planting Palette_ RevA_ 2220101_ 290722.xlsx]Sheet1

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PLANT NAME	COMMON PLANTS	TYPE	Size	H-W	HABIT	EXOTIC / NATIVE	DECID. / EVERG.	PLANTING NOTES	SEASONAL FLOWER			
									SPR	SUM	AUT	WIN
<i>Isolepsis nodosa</i>	Knobby club rush	Grass	S	H: 1.0 W: 1.5m	Clumping	N *	E	Ful sun - part shade; wind salt tolerant; fast growing; tolerates most soils incl. waterlogged or saline; used to filter clean stormwater;	N/A			
<i>Juniper squamata</i>	Prostrate Juniper	Ground cover	S	h: to 0.9m W: 1.2m	prostrate; carpeting; spreading; dense; mounded.	E	E	Full sun; well drained to dry soil; drought, frost, wind tolerant; low maintenance; rockeries or mass planting; generally no pruning required.	N/A			
<i>Kennedia prostrata</i>	Running Postman	Ground cover	Small	H to 0.1m W to 3m	Prostrate, scrambling.	N *	E	Full sun-part shade; hardy; moist-well drained soil; Coastal tolerant; heath; open understorey; drought tolerant; good habitat.				
<i>Kunzea ambigua 'Prostrata'</i>	Tick Bush	Shrub		H: 0.6m W: 1.5m	Spreading shrub	N *	E	Erect, tall, bottlebrush shrub	W			
<i>Lepidosperma concavum</i>	Sword sedge	Grass	Small	H: to 0.6m W: yo	Tufted	N	E	Full sun; coastal; sandy soils to heath; tolerates wet, wind, frost; binds soil; mass planting; tolerates dry but needs water in drought.	N/A			
<i>Lavendula sp.</i>	Lavender	shrub	Small	H: to 1m W: 1m	bushy rounded	E	E	Full sun- part shade; hardy; most soils; well drained; frost tender; low border/hedge; aromatic leaves/flowers; bee attracting.				
<i>Leucophyta brownii</i>	Cushion Bush			H: 1m	bush	N *	E		W	W		
<i>Liriope sp.</i>	Liriope	Grass	Sm	H-W: to 0.4	drooping strappy leaves.	E	E	Full sun to part shade; well drained /most soils; hardy; low maintenance; drought tolerant; borders, mass planting.	N/A			
<i>Melaleuca incana 'Nana'</i>	Dwarf Honey Myrtle	Shrub		H: 1.0m W:1.5m	bushy	N	E					
<i>Orthrosanthus multiflorus</i>	Morning Iris	Grass		H: 1.0m W: 1.0m	clumping	N *	E					
<i>Pachystegia insignis</i>	Marlborough Rock Daisy	Shrub	Small	H: 0.8m W:	clumping	E	E	Full sun; well drained soil; dry tolerant; coastal tolerant; mod frost tolerant; slow growing; long lived; hardy.	W	W		
<i>Patersonia occidentalis</i>	Native Iris	Grass		H: 0.8m W: 0.6m	clumping	N *	E					
<i>Pelargonium australe</i>	Southern Storksbill			H: 0.3m	prostrate	N *	E		W	W		
<i>Pimelea ferruginea 'Bonne Petite'</i>	Rice Flower	Shrub		H:1.0m W: 1.0m		N *	E					
<i>Pimela humilis</i>	Rice Flower	Shrub	Small	H: 0.6m W: 1m	dense rounded	N *	E	full sun-light shade; low maintenance; hardy, sandy-loam -poor soil; well drained soil; tolerates light frost, good groundcover; habitat.	W	W		
<i>Pycnosorus globosus</i>	Billy Buttons			H: 0.6m W: 0.6m	clumping	N	E	Flowering carpet				
<i>Rosmarinus officialis pr.</i>	Prostrate Rosemary	Ground cover	Small	H: to 0.4m W: to 1m	Prostrate	E	E	Full sun; drought tolerant; hardy; low maintenance; attracts bees; aromatic foliage.				
<i>Santolina chamaecyparissus</i>	Silver Cotton Bush	Shrub	Small	H: to 0.6m W: to 0.4m	dense rounded	E	E	Full sun-part shade; fertile well drained soil; fast growing; frost tolerant; low maintenance; can be pruned after flowering; borders, mass planting; colour; can be short lived;				
<i>Scleranthus biflorus</i>	Cushion bush	ground cover	Small	H: to 0.2m W: to 0.8m	Carpeting mounding compact	N	E	Full sun-part shade; border/rockery; mass plangint; feature; texture; most soil types; prefer moisture.	W	W		
<i>Themeda triandra</i>	Kangaroo Grass	Grass	Small	H: to 1.0m W: to 1.5m	Tufting, rounded, drooping.	N *	E	Full sun; well drained soil; hardy; good mass planting; can be cut back to encourage regrowth; rusty colour.	N/A			

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SHRUBS UNDER 2 METRES IN HEIGHT

P:\Projects\2022\2220101 Perry Ling Gardens\Planting Palette\[Perry Ling Gardens Planting Palette_RevA_2220101_290722.xlsx]Sheet1

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SHRUBS UNDER 2 METRES IN HEIGHT												
PLANT NAME	COMMON PLANTS	TYPE	Size	H-W	HABIT	EXOTIC / NATIVE	DECID. / EVERG.	PLANTING NOTES	SEASONAL FLOWER			
									SPR	SUM	AUT	WIN
<i>Atriplex cinerea</i>	Coastal saltbush; grey saltbush	shrub	small	H-W: to 1.5m	rounded	N [*]	E	full sun; well drained sandy soil; Coastal tolerant; good habitat;				
<i>Correa alba</i>	White Correa	Shrub	Small	H: 1-1.5m W: 1-1.5m	dense, mound	N [*]	E	Coastal tolerant; Full sun; Hardy; winter flower; responds to pruning;	W		W	W
<i>Correa backhauseana</i>	Australian fuschia	Shrub	Small	H-W: 1.5m	compact, rounded.	N [*]	E	Full sun-part shade: well drained; most soils; coastal tolerant; copper coloured leaves; bird/bee attracting				
<i>Goodia lotifolia</i>	Golden Tip	Shrub	S	H-W: 1.5m	open bushy spreading	N [*]	E	full sun - part shade; hardy; drought tolerant; frost hardy but deciduous in very cold; fast growing; floriferous; prune to shape; plant together for fast, loose hedge; screen; insect/ bird attracting.				
<i>Hemerocallis sp.</i>	Day lillies	Grass	S	H: to 1.2m W: to 0.6m	clumping, rhizomatous	E	E	Full sun-part shade; heat tolerant; moist but well drained; low maintenance; long lasting showy display; borders, mass planting; insect attracting; fragrant.				
<i>Mimetes cucullatus</i>	Common Pagoda	Shrub	Small	H: to 1.5m W: to 1m	Upright	E	E	Full sun-part shade; well drained soil; coastal tolerant; fast growing; hardy; wind tolerant; can be pruned; water during heat; brilliant large long lasting flowers.	W			
<i>Poa labillardierei</i>	Tusock grass	Grass	Small	H: to 1.3m W: to 0.7m	clumping	N	E	full sun - semi shade; hardy; drought tolerant; sandy soils; attracts insects; habitat; can be cut to rejuvenate; mass plant for movement effect; good street verge plant or mixed landscape.	N/A			

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PERRY-LING GARDENS PLANTING PALETTE				JOHN MONGARD LANDSCAPE ARCHITECTS WITH CENTRAL COAST COUNCIL					Rev A - Current to: 29th July 2022			
SHRUBS FROM 2 - 4 METRES IN HEIGHT												
PLANT NAME	COMMON PLANTS	TYPE	Size	H-W	HABIT	EXOTIC / NATIVE	DECID. / EVERG.	PLANTING NOTES	SEASONAL FLOWER			
									SPR	SUM	AUT	WIN
<i>Acacia verticillata</i>	Prickly Moses	Shrub	Small	H: 2m W: 3-4m	spreading, dense.	N	E	Ful sun - part shade; moderate frost tolerant; hardy; suits most soils; tolerates some water logging; excellent bird habitat; flamable - avoid bush fire zones; prune to keep bushy shape.				
<i>Aotus ericoides</i>	Golden Pea			H: 1.5m	upright, clumping	N *	E					
<i>Alyxia buxifolia</i>	Sea box	Shrub	Small	H 1-3m W 1-3m	rounded, low.	N *	E	Coastal tolerant; Drought tolerant; Well drained soil; Full sun; Hardy low ornamental; plant en mass for low wind break/hedge; habitat.	W	W		
<i>Calytrix tetragona</i>	Fringe Myrtle	Shrub	Small	H: 0.5-3m W: 0.5-1.5m	low, dense, arched branches when flowering.	N *	E	Full sun - part shade; hardy; well drained soil; light frost; dense foliage & flowering; aromatic foliage; attracts pollinators; good feature/ screen/ windbreak; tip prune for better shape.				
<i>Dillwynia cinerascens</i>	Grey Parrot Pea	Shrub	Small	H: 2m W: 1.5m	groundcover or erect; dense	N *	E	Full sun-part shade; well drained soils; coastal tolerant; hardy.good understorey; masses of flowers in spring.				
<i>Hakea decurrens</i>	Bushy Needlebush	Shrub	large	H: 3-4m	multi-branched	N *	E					

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SHRUBS FROM 2 - 4 METRES IN HEIGHT

PERRY-LING GARDENS PLANTING PALETTE				JOHN MONGARD LANDSCAPE ARCHITECTS WITH CENTRAL COAST COUNCIL				Rev A - Current to: 29th July 2022				
SHRUBS FROM 2 - 4 METRES IN HEIGHT												
PLANT NAME	COMMON PLANTS	TYPE	Size	H-W	HABIT	EXOTIC / NATIVE	DECID. / EVERG.	PLANTING NOTES	SEASONAL FLOWER			
									SPR	SUM	AUT	WIN
Hakea teretifolia	Dagger Needlebush	Shrub	large	H: 3m	multi-branched	N *	E		W	W		
Kunzea ambigua	White Kunzea	Shrub	large	H: 3-4m	erect shrub	N *	E		W	W		
Leptecophylla oxycedrus	Coast Pinkberry	Shrub	Small	H: 1-2m W: 1-2m		N	E					
Leptospermum nitidum	Shiny Tea Tree	Shrub	Small	H-W: to 2m	rounded	N *	E	Hardy coastal heath plant; full sun or shade; tolerates poorly drained infertiles soils; provides good habitat; attracts pollinators; good hedge or screen; aromatic leaves.				
Leucadendron salignum	Conebush	Shrub	Sm-Med	H-W to 2m	upright, bushy.	N	E	Full sun. well drained, sandy and poor soils; soils; drought tolerant; mass planting; screens or edges; prune to shape after flowering.				
Miscanthus sinesis	Japanese Silver grass	Grass	large	H: to 4m W: to 1.2m	upright; arching, feathery	E	E	full sun; most soil types bu twell drained;; wind tolerant; low maintenance; fast growing; bird attracting; ornamental; beds and borders; screen.				
Myoporum insulare	Coastal boobialla	Shrub		H: 2-4m W: 2-4m		N *	E		W	W		
Ozanthamnus turbinatus	Coastal everlasting	Shrub	Small	H: 1-2m W: 1-2m	dense upright or rounded	N *	E	Full sun; coastal tolerant; wind tolerant; hardy; good erosion control; can be pruned to shape; fragrant foliage; good habitat; flowers attract pollinators.		W	W	
Photinia sp.	Chinese Firebush	Shrub	Sm-Med	H: 3m W:3m	hedging	E	E	Full sun - part shade; well drained - moist soil; hardy; low maintenance; frost hardy; hedging.				
Senecio pinnatifolius	Common Coast Groundsel	Shrub		H: 2-3m	bushy	N *	E					
Westringia fruticosa	Coastal Rosemary	Shrub	Sm	H/W: 1.5-2m	round	N	E	Full sun, hardy, Well drained soil, compact, low hedging,screen, can be pruned, habitat.				
Westringia rigida	Stiff Westringia	Shrub	med	H: to 3m	bushy	N *	E		W	W		

PERRY-LING GARDENS PLANTING PALETTE				JOHN MONGARD LANDSCAPE ARCHITECTS WITH CENTRAL COAST COUNCIL					Rev A - Current to: 29th July 2022			
TREES 4+ METRES IN HEIGHT												
PLANT NAME	COMMON PLANTS	TYPE	Size	H-W	HABIT	EXOTIC / NATIVE	DECID. / EVERG.	PLANTING NOTES	SEASONAL FLOWER			
									SPR	SUM	AUT	WIN
Acacia longifolia sp	Coastal Wattle	Tree or shrub	S-M	H to 8m W: 4m	irregular, rounded.	N *	E	Coastal/wind tolerant; full sun for best flowers; frost hardy; fast growing; lifespan 5-8 years; pioneer plant to support undergrowth; well drained sandy soil; profuse golden yellow flowers; prune after lowering; good for border/ screen/feature.				
Acacia dealbata sp	Silver Wattle	Tree	L	H to 25m W to 10m	irregular	N *	E	Full sun; fast growing pioneer species; hardy to wide range of soils/climates; good windbreak; well drained soil; helps wiht soil erosion; profuse golden yellow flowers; ornamental coloured trunk; lifespan to 30-40 years.				

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TREES 4+ METRES IN HEIGHT

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									SPR	SUM	AUT	WIN
<i>Acacia melanoxylon</i>	Blackwood	Tree	M-L	H 10-15m	oval, dense shade.	N *	E	Coastal tolerant; dense foliage; good shelter belt; moist fertile soil; fast growing; good park tree; bird habitat; suckering is good for bank stabilisation but bad for sewerage.				
<i>Acacia mucronata</i>	Narrow leaved wattle	Shrub	M-L	H: to 5m W:	Variable, spreading, bushy	N *		Full sun-part shade; most soils - well drained; hardy; floriferous.				
<i>Acer x freemanii</i>	Celebration Maple	Tree	M	H: 12m W: 9m	Upright, rounded, spreading, dense	E	D	Full sun-semi shade; fast growing; wind tolerant; good street tree; good shade; adapts to variety of soils; well drained not wet; pollution tolerant.				
<i>Acer negundo</i>	Box elder	Tree	S-M	H: 10m W: 8m	Broad, irregular, rounded, asymetric	E	D	Good street & shade tree, ful sun, hardy, tolerant of most conditions, some coastal exposure.	N/A			
<i>Agonis flexuosa burgundy</i>	Willow Myrtle, Peppermint Willow	Tree	S	H: 10-15m	pendular, weeping	E		Hardy; full sun; sandy-loam well- drained but moist; coastal conditions; good street tree; tolerates pruning.	W	W		
<i>Allocasuarina verticillata</i>	Drooping Sheoak	Tree	Small	H 5-10m W to 5m	Rounded drooping habit; multiple branches	N *	E	Good shade; Some tolerance to heavy salt; Good screen esp. en masse; bird habitat; poor dry shaley soils, nitrogen fixing;				
<i>Angophora hispida</i>	Dwarf Apple Gum	Tree	Small	H: 5-8m W: 6-8m	irregular	N *	E	tolerates some coastal exposure & poor, sandy & well drained soils, full sun, moderate growth rate, bird attracting, feature flower.				
<i>Banksia serrata</i>	Sawtooth Banksia / Old Man Banksia	Shrub	Med-Lrg	H: 5-10m W: 2-5m	irregular	N *	E	Hardy, well dtrained soil, full sun, coastal tolerant, iconic species, bird/bee attracting.				
<i>Banskia marginata</i>	Honeysuckle / Silver Banksia	Shrub	Small	H: 1-5m+ W: to 3m	irregular, can be dense.	N *	E	Hardy, coastal; low maintenance; wind tolerant; can tolerate boggy soil; drought resistant; well drained soil; can be long lived; neat - holds shape but can be pruned; bird-bee attracting flowers; habitate.				
<i>Bursaria Spinosa</i>	Sweet bursaria	Shrub	Sm-Med	H: 3-5m W: 2-3m	dense or spreading	N *	E	Good windbreak; long lived 30yrs+ if happy; full sun to semi-shade; sandy-clay-loamy poor soil; better shape-foliage on better soils; good bird/insect habitat esp for biological insect control; sweetly perfumed flowers; coppice and suckers.		W		
<i>Callitris rhomboidea</i>	Oyster Bay Pine	Tree	Small	H: 8-12 W: 2-4m	dense, columnar,	N *	E	Hardy, tolerates all soils, low maintenance, coastal tolerant, hedge, screen, wind tolerant; feature/ornamental.	N/A			
<i>Elaeocarpus reticulatus</i>	Blue Berry Ash	shrub or tree		H: 5-8m W: 3-5m	upright, columnar narrow	N *	E	beautiful flower, blue berries, hardy, well drained soil, moderate coastal exposure, good screen/hedge	W	W		
<i>Eucalyptus amygdalina</i>	Black Peppermint	Tree	M-L	H: to 20m W: to 4m	Dense, upright	N *	E	full sun; fast growing' hardy to most soils/conditions; drought tolerant; frost hardy; very wind firm; street tree; will tolerate pruning; honey scented flowers attract bees.				
<i>Eucalyptus globulus compacta</i>	Tasmanian Blue Gum	Tree	Small	H: 8m W: 3m	dense, compact, rounded	N *	E	Fast growing; any soil; wind firm/windbreak; street tree esp avenues; mod frost tolerance; drought resistant once estab; oldr trees can be pruned to regenerate; bird/bee attracting; good habitat tree.				

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TREES 4+ METRES IN HEIGHT

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									SPR	SUM	AUT	WIN
<i>Eucalyptus ficifolia</i>	Red Flowering Gum	Tree	S	H: to 12m W: 2-5m	dense, rounded,	N	E	full sun; well to medium well drained soils; windbreak or feature tree; coastal tolerant; drought tolerant when estab; dense foliage for good shade; street tree; light frost tolerant; sculptural pods for nature play; red-pink large flowers in summer attract bees.				
<i>Eucalyptus obliqua</i>	Messmate Stringybark/ Tasmanian Oak)	Tree	L	H:15- 90m W: 10-20m	spreading rounded or upright	N	E	Full sun- semi-shade; some salt tolerance; wide range of soils; not drought tolerant; good shade; good habitat for birds/insects;		W		
<i>Eucalyptus ovata</i>	Swamp Gum/ Black Gum	Tree	L	H: 15-50m	spreading rounded	N *	E	Some tolerance to light salt exposure;	W			W
<i>Eucalyptus viminalis</i>	White Gum/ Manna Gum	Tree	L	H: 30- 50m	upright spreading	N	E	Some salt tolerance; prefer moist but well drained soil; full sun;		W		
<i>Hakea lissosperma</i>	Mountain needlewood	Shrub / tree	S-M	H: 1-5m	open bushy upright	N *	E	Part shade; well drained butmoist; frost and drought hardy; flowers attract birds/bees.	W			
<i>Leptospermum lanigerum</i>	Woolly Tea Tree	Shrub / tree	Med-Lrg	to 15m in swamp	spreading or columnar	N *	E	Some tolerance to light salt; sandy coastal healths; riparian; bank stabilisation		W		
<i>Leptospermum scoparium</i>	Manuka Myrtle	Tree	Sm-Med	H 2-5m; W 2m	compact dense rounded	N *	E	Compact; coastal tolerant; hardy; drought tolerant; well-drained soil; full sun but shade tolerant; frost tolerant; free flowering attracts bees; hedge or screening; pioneer plant; low maintenance ornamental plant.	W	W		
<i>Melaleuca squarrosa</i>	Scented paperbark	Shrub or tree	Small	H: 3-5m rarely to 10m W: 2m	Dense, drooping habit	N *	E	Full sun-semi shade; moist to swampy soil; frost tolernt; neat dense foliage; screen planting; sweetly scented cream flowers attract birds/bees; can be pruned;				
<i>Melaleuca ericifolia</i>	Swamp paperbark	Tree	Med-Sm	H: to 9m	Upright when densely planted; columnar	N *	E	Very hardy; fast growing; sandy-loam soil; tolerates waterlogged soil & shade; moderate salt; coastal tolerant; screening plant; good habitat for birds and insects; fragrant flowers attract bees; can be pruned to shape; good swamp rehabilitation.				
<i>Olea europaea sp.</i>	Olive tree	Tree		H: 8m		E	E		N/A			
<i>Skimmia japonica</i>	Japanese skimmia	Shrub / tree	Small	H-W: to 5m	Dense, rounded, hedging.	E	E	Full sun-part shade; mode fertile well drained soils; wind tolerant; frost hardy; slow growing; low maintenance; pollution tolerant; hedging/screen; bright red berries; ornamental.	W			

Note: The plant palette will be subject to variations according to supply at any point in time.

N* = Tasmanian Native

P:\Projects\2022\2220101 Perry Ling Gardens\Planting Palette\[Perry Ling Gardens Planting Palette_ RevA_ 2220101_ 290722.xlsx]Sheet1

PERRY-LING GARDENS PLANTING PALETTE				JOHN MONGARD LANDSCAPE ARCHITECTS WITH CENTRAL COAST COUNCIL				Rev A - Current to: 29th July 2022				
SUCCULENTS												
PLANT NAME	COMMON PLANTS	TYPE	Size	H-W	HABIT	EXOTIC / NATIVE	DECID. / EVERG.	PLANTING NOTES	SEASONAL FLOWER			
									SPR	SUM	AUT	WIN
Aeonium zwartkop	Black Rose	Shrub	Small	H: 1m	Upright	E	E	Foliage feature				
Aeonium arboreum sp.		Shrub	Small	H: 1m	Upright	E	E	Foliage feature				
Aloe x spinosissima	Spider aloe	Shrub	Small	H: 1m	Upright	E	E	Foliage feature				
Carpobrotus aequilaterus	Angled Pigface	Shrub	Small	H: 0.4m	Prostrate	N	E	Bank stabiliser				
Carpobrotus edulis	Hottentot Fig	Ground cover	Small	H: 0.4m	Prostrate	N	E	Bank stabiliser				
Drosanthemum floribundum	Ice Plant	Shrub	Small	H: 0.4m W: 0.5m		E	E	Spreading flower carpet				
Drosanthemum speciosum	Royal Dewflower	Shrub	Small	H: 0.4m W: 0.5m		E	E	Spreading flower carpet				
Kniphofia sp.	Hot Poker	Grass	Small	H: 1m W: 1m	Upright, clumping	E	E	Winter flower feature				
Lampranthus haworthii		Ground cover	Small	H: 0.6m W: 1m		E	E	Flowering carpet				
Portulacaria afra 'Gold'	Golden Jade	Ground cover	Small	H: 1m	Dense shrub	E	E	Flowering carpet	N/A			
Portulaca grandiflora	Moss Rose	Ground cover	Small	H: 0.2m W: 0.5m	Prostrate	E	E	Foliage colour				
Sedum mexicanum	Gold Mound	Ground cover	Small	H: 0.2m W: 0.5m	Prostrate	E	E	Foliage colour				
Sedum rubrotinctum	Jelly Bean Plant	Ground cover	Small	H: 0.2m W: 0.5m	Prostrate	E	E	Foliage colour				
Sedum spectabile 'Autumn Joy'		Ground cover	Small	H: 0.6m W: 0.5m	Prostrate	E	E	Foliage colour				
Sedum variegatum	Stonecrop	Ground cover	Small	H: 0.4m W: 0.5m	Prostrate	E	E	Foliage colour				
Senecio cylindricus	Narrow Chalk Sticks	Shrub	Small	H: to 0.3m W: to 0.6	Compact; mounding semi-trailing.	E	E	Full sun; sandy-dry well drained soils; succulent; hardy; drought tolerant; borders/rockeries; mass planting; contrast colour/texture; prune lightly if leggy.	N/A			
senecio haworthii	Cocoon Plant	Shrub	Small	H: 0.3m W: 0.5m	Prostrate		E	Feature plant				
senecio serpens	Blue Chalk Sticks	Shrub	Small	H: 0.3m W: 0.5m	Prostrate	E	E	Feature plant	W			

Note: The plant palette will be subject to variations according to supply at any point in time.

* = Tasmanian Native



DESIGN DEVELOPMENT PLANS

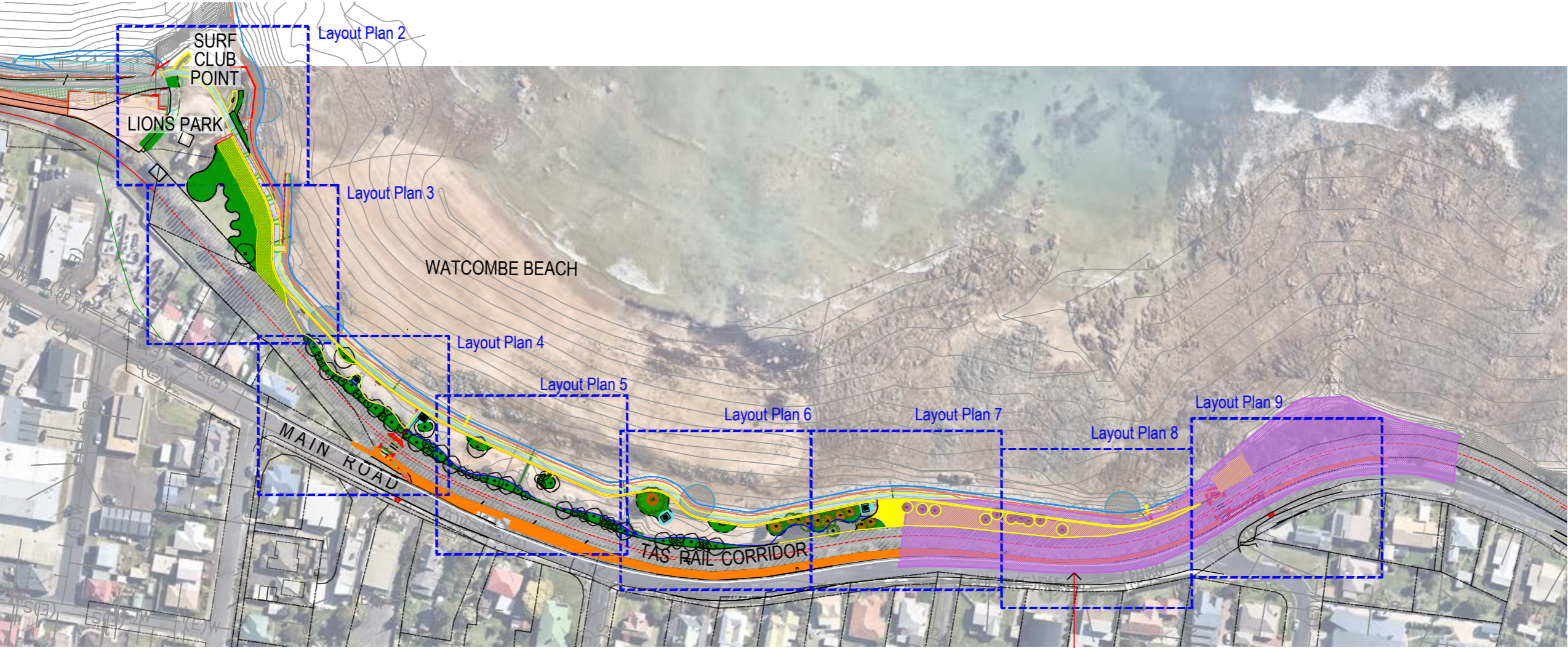
Landscape Improvement Works

The 2022-year works will focus on creating the soft landscape works below the railway line. New garden beds, a watering system, hydro mulching and seeding banks, plant procurement and planting works will be undertaken. Community planting bees will be organised to help create community ownership.

The 2023-year works will install the park furniture, shelters, signage, storytelling, edging and other fixtures. The verges and garden areas above the railway line will be renovated and infill planted. The railway line planting zone will also be improved with ground-covers. Community painting bees will be organised to help create unique Penguin- style furnishings.

Future improvement works should include budgets for public art and craft elements: garden sculptures, pavement artworks and other craft elements suited to the improved Perry-Ling Heritage Gardens.

- Notes:**
1. The aerial photography and the survey are slightly out of alignment. The photograph is shown for general site information only. The digital survey controls all set-outs and dimensions.



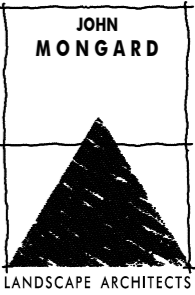
Perry-Ling Garden
Heritage Listed Area

GENERAL DRAWING NOTES

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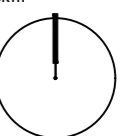
D	16/08/22	Review	JM
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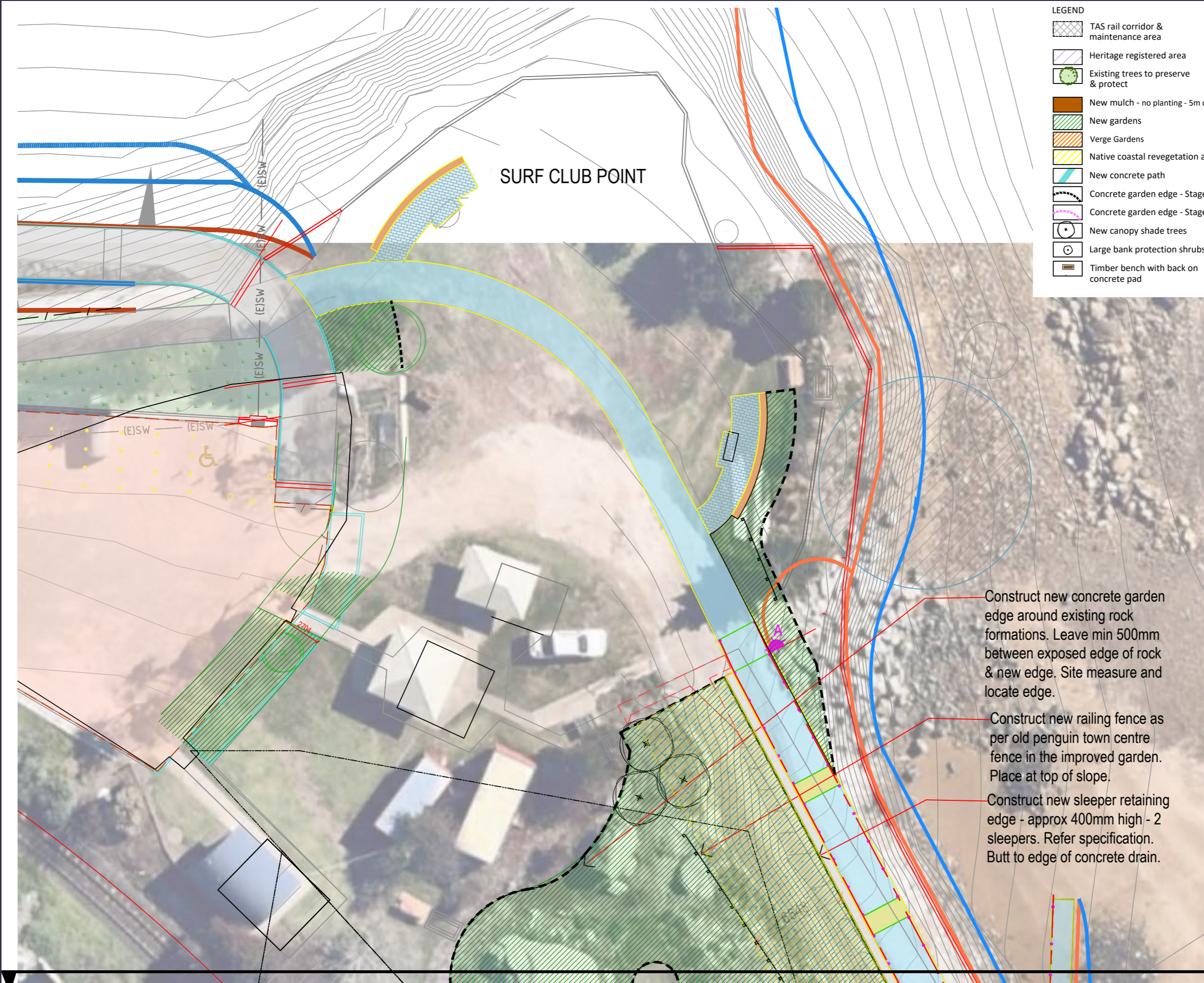
Perry-Ling Gardens, Penguin

LANDSCAPE DESIGN DEVELOPMENT PLAN LAYOUT

SCALE: 1:2000		DATE: 16/08/22
DWG NO: CD-01		DRAWN BY: JR
SHEET NO: 1-12		CHECKED BY: JM
ISSUE: D		JOB NO: 2220101

NOTES:

0 20 40 60
SCALE 1:2000 (m)



SURF CLUB POINT

LEGEND

- TAS rail corridor & maintenance area
- Heritage registered area
- Existing trees to preserve & protect
- New mulch - no planting - 5m dia
- New gardens
- Verge Gardens
- Native coastal revegetation areas
- New concrete path
- Concrete garden edge - Stage 1
- Concrete garden edge - Stage 2
- New canopy shade trees
- Large bank protection shrubs
- Timber bench with back on concrete pad

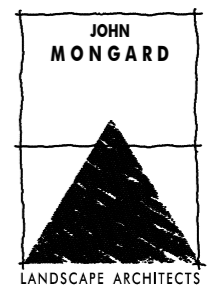
- 2 x Adirondack chairs on concrete pad
- Railway sleeper bench - no back
- New picnic setting on concrete pad
- New interpretive sign
- New way finding sign
- Watering mainline (located behind garden edges)
- Drink fountain with dog tap
- Dog poo bin
- Post and rail fence - refer detail
- Sleeper retaining Wall
- Picnic shelter / setting combination - refer notes / details

GENERAL DRAWING NOTES

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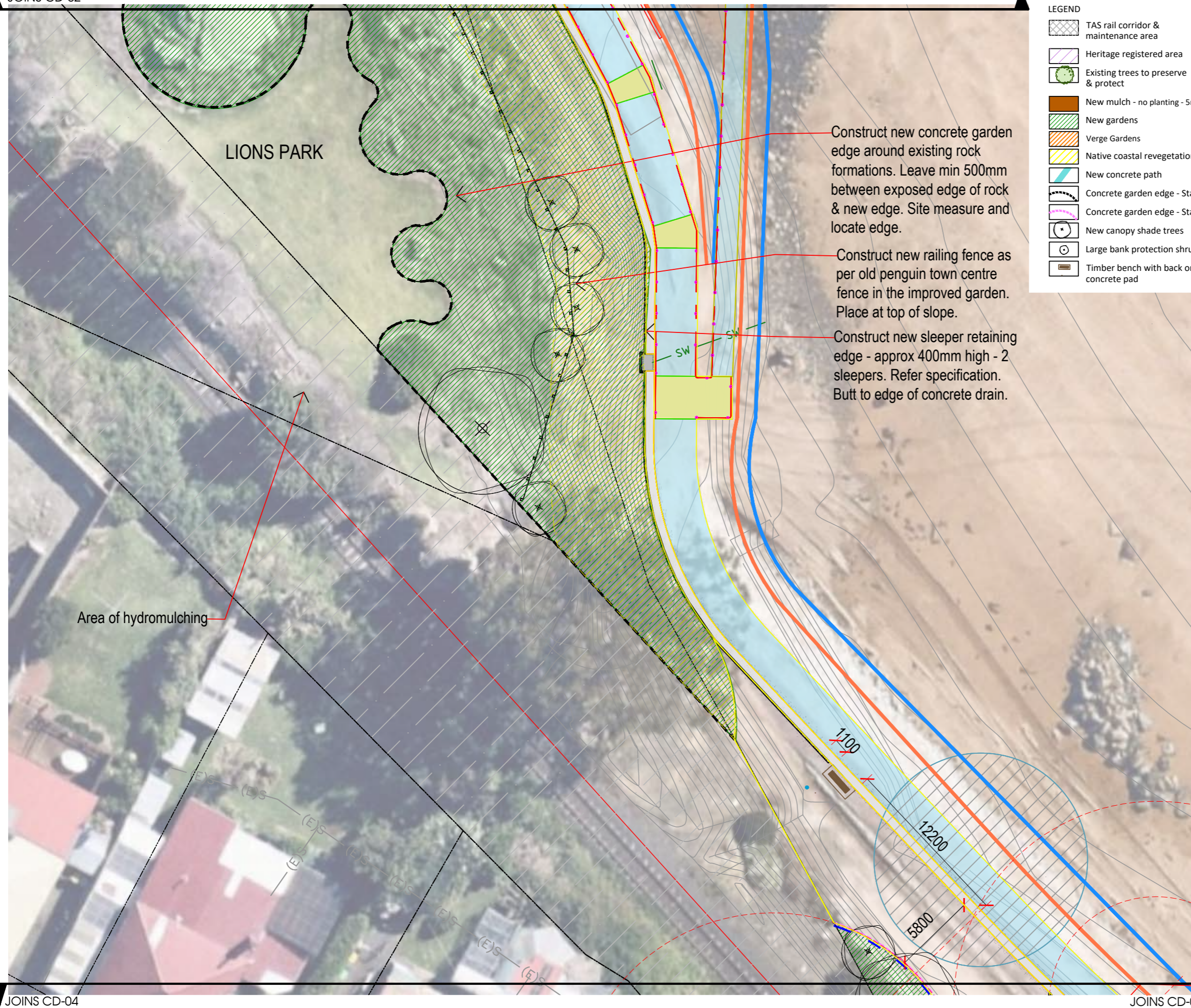
LANDSCAPE DESIGN
DEVELOPMENT PLAN

SCALE: 1:500@A3	NORTH 	DATE: 16/08/22
DWG NO: CD-02		DRAWN BY: JR
SHEET NO: 2-12		CHECKED BY: JM
ISSUE: D	NOTES:	JOB NO: 2220101



JOINS CD-03

JOINS CD-03



LEGEND

- TAS rail corridor & maintenance area
- Heritage registered area
- Existing trees to preserve & protect
- New mulch - no planting - 5m dia
- New gardens
- Verge Gardens
- Native coastal revegetation areas
- New concrete path
- Concrete garden edge - Stage 1
- Concrete garden edge - Stage 2
- New canopy shade trees
- Large bank protection shrubs
- Timber bench with back on concrete pad

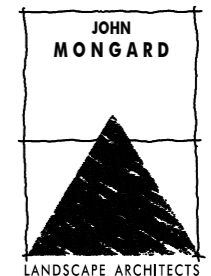
- 2 x Adirondack chairs on concrete pad
- Railway sleeper bench - no back
- New picnic setting on concrete pad
- New interpretive sign
- New way finding sign
- Watering mainline (located behind garden edges)
- Drink fountain with dog tap
- Dog poo bin
- Post and rail fence - refer detail
- Sleeper retaining Wall
- Picnic shelter / setting combination - refer notes / details

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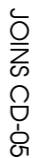
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Perry-Ling Gardens,
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LANDSCAPE DESIGN
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SHEET NO: 3-12		CHECKED BY: JM
ISSUE: D		JOB NO: 2220101

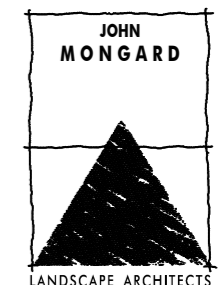
0 2 4 6 8
SCALE 1:250 (m)



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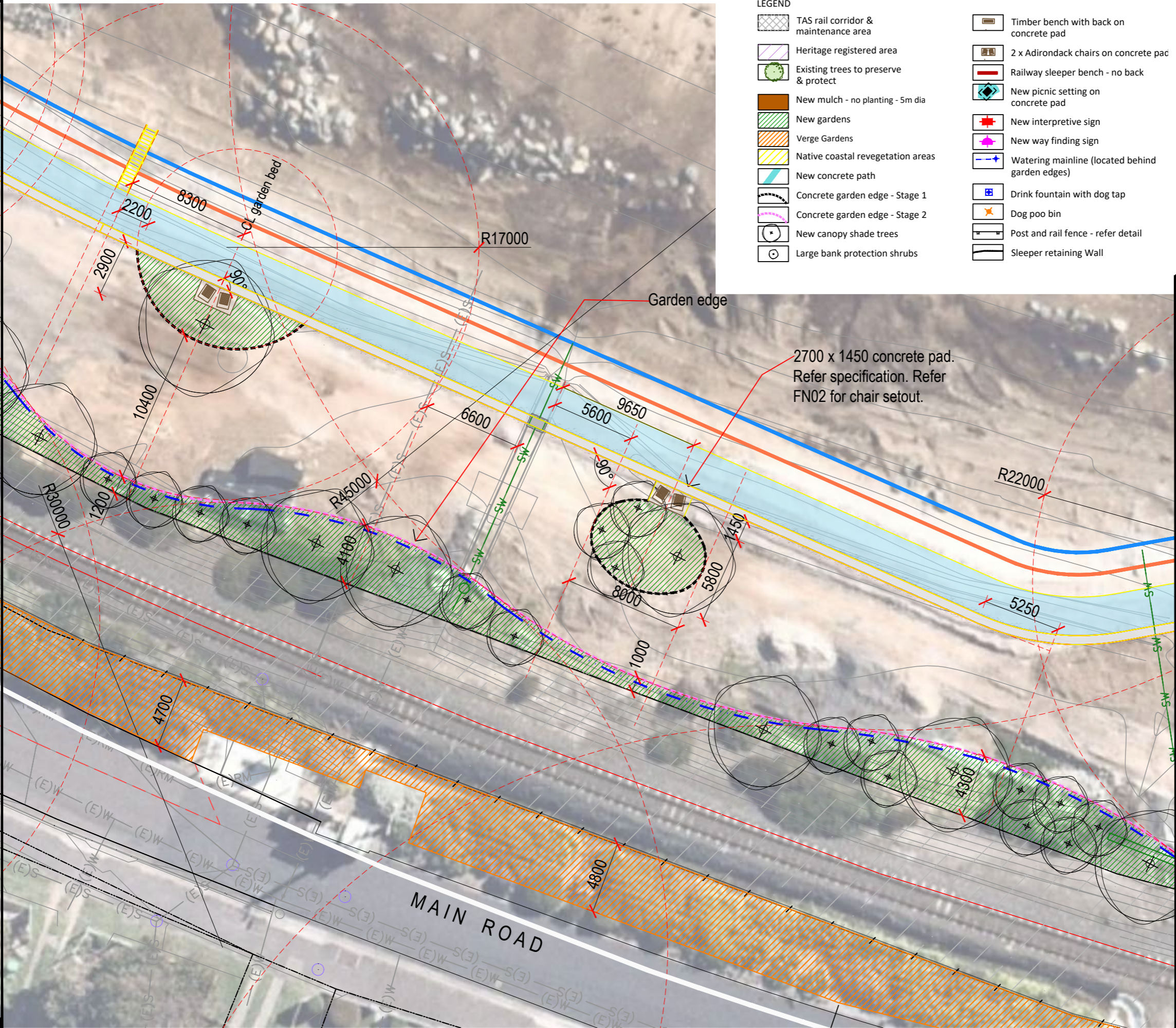
LANDSCAPE DESIGN
DEVELOPMENT PLAN

SCALE: 1:500@A3		DATE: 16/08/22
DWG NO: CD-04		DRAWN BY: JR
SHEET NO: 4-12	NOTES:	CHECKED BY: JM
ISSUE: D		JOB NO: 2220101



JOINS CD-04

JOINS CD-06



LEGEND

- TAS rail corridor & maintenance area
- Heritage registered area
- Existing trees to preserve & protect
- New mulch - no planting - 5m dia
- New gardens
- Verge Gardens
- Native coastal revegetation areas
- New concrete path
- Concrete garden edge - Stage 1
- Concrete garden edge - Stage 2
- New canopy shade trees
- Large bank protection shrubs
- Timber bench with back on concrete pad
- 2 x Adirondack chairs on concrete pad
- Railway sleeper bench - no back
- New picnic setting on concrete pad
- New interpretive sign
- New way finding sign
- Watering mainline (located behind garden edges)
- Drink fountain with dog tap
- Dog poo bin
- Post and rail fence - refer detail
- Sleeper retaining Wall

- Picnic shelter / setting combination - refer notes / details
- CL Denotes centre line on dimensions

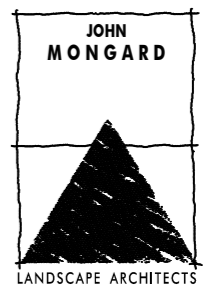
GENERAL DRAWING NOTES

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
Perry-Ling Gardens,
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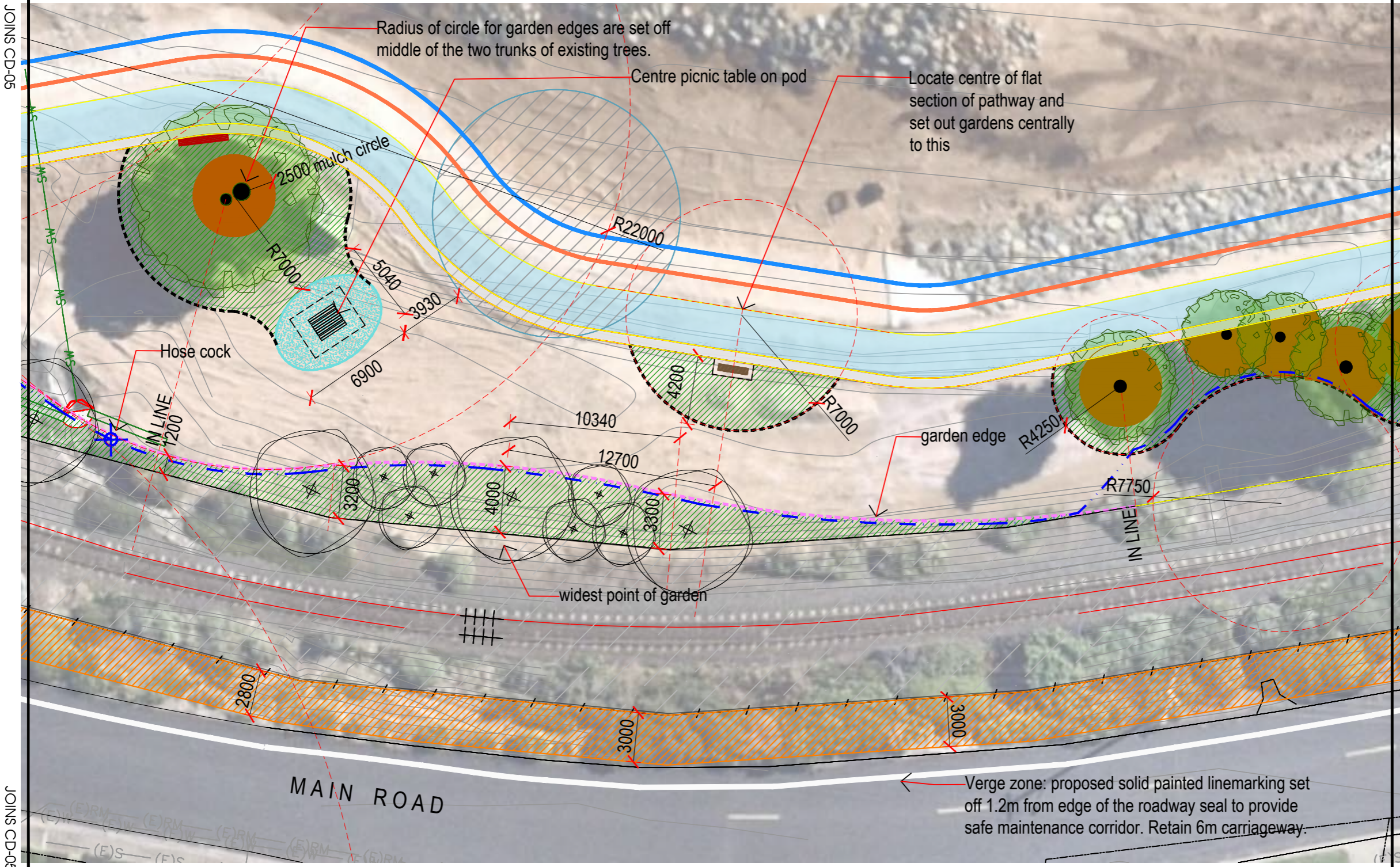
LANDSCAPE DESIGN
DEVELOPMENT PLAN

SCALE: 1:500@A3		DATE: 16/08/22
DWG NO: CD-05		DRAWN BY: JR
SHEET NO: 5-12		CHECKED BY: JM
ISSUE: D		JOB NO: 2220101



LEGEND

-  TAS rail corridor & maintenance area
-  Heritage registered area
-  Existing trees to preserve & protect
-  New mulch - no planting - 5m dia
-  New gardens
-  Verge Gardens
-  Native coastal revegetation areas
-  New concrete path
-  Concrete garden edge - Stage 1
-  Concrete garden edge - Stage 2
-  New canopy shade trees
-  Large bank protection shrubs
-  Timber bench with back on concrete pad
-  2 x Adirondack chairs on concrete pad
-  Railway sleeper bench - no back
-  New picnic setting on concrete pad
-  New interpretive sign
-  New way finding sign
-  Watering mainline (located behind garden edges)
-  Drink fountain with dog tap
-  Dog poo bin
-  Post and rail fence - refer detail
-  Sleeper retaining Wall
-  Picnic shelter / setting combination - refer notes / details
-  Denotes centre line on dimensions



GENERAL DRAWING NOTES

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A	28/04/22	Review	JM

JOHN MONGARD

LANDSCAPE ARCHITECTS

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Perry-Ling Gardens, Penguin

LANDSCAPE DESIGN DEVELOPMENT PLAN

SCALE: 1:500@A3

DWG NO: CD-06

SHEET NO: 6-12

ISSUE: D

DATE: 16/08/22

DRAWN BY: JR

CHECKED BY: JM

JOB NO: 2220101

NOTES:

0 2 4 6 8

SCALE 1:250 (m)

LEGEND

- | | | | | | |
|--|--------------------------------------|--|---|--|--|
| | TAS rail corridor & maintenance area | | Large bank protection shrubs | | Post and rail fence - refer detail |
| | Heritage registered area | | Timber bench with back on concrete pad | | Sleeper retaining Wall |
| | Existing trees to preserve & protect | | 2 x Adirondack chairs on concrete p | | Picnic shelter / setting combination - refer notes / details |
| | New mulch - no planting - 5m dia | | Railway sleeper bench - no back | | CL Denotes centre line on dimensions |
| | New gardens | | New picnic setting on concrete pad | | |
| | Verge Gardens | | New interpretive sign | | |
| | Native coastal revegetation area | | New way finding sign | | |
| | New concrete path | | Watering mainline (located behind garden edges) | | |
| | Concrete garden edge - Stage 1 | | Drink fountain with dog tap | | |
| | Concrete garden edge - Stage 2 | | Dog poo bin | | |
| | New canopy shade trees | | | | |

GENERAL DRAWING NOTES

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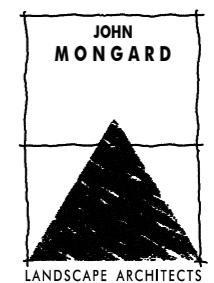
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Perry-Ling Gardens,
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LANDSCAPE DESIGN
DEVELOPMENT PLAN

SCALE: 1:500@A3	NORTH 	DATE: 16/08/22
DWG NO: CD-07		DRAWN BY: JR
SHEET NO: 7-12		CHECKED BY: JM
ISSUE: D		JOB NO: 2220101

0 2 4 6 8
SCALE 1:250 (m)

JOINS CD-06

JOINS CD-06

JOINS CD-08

JOINS CD-08

LEGEND

- | | | | | | |
|--|--------------------------------------|--|---|--|--|
| | TAS rail corridor & maintenance area | | Large bank protection shrubs | | Post and rail fence - refer detail |
| | Heritage registered area | | Timber bench with back on concrete pad | | Sleeper retaining Wall |
| | Existing trees to preserve & protect | | 2 x Adirondack chairs on concrete p | | Picnic shelter / setting combination - refer notes / details |
| | New mulch - no planting - 5m dia | | Railway sleeper bench - no back | | CL Denotes centre line on dimensions |
| | New gardens | | New picnic setting on concrete pad | | |
| | Verge Gardens | | New interpretive sign | | |
| | Native coastal revegetation area | | New way finding sign | | |
| | New concrete path | | Watering mainline (located behind garden edges) | | |
| | Concrete garden edge - Stage 1 | | Drink fountain with dog tap | | |
| | Concrete garden edge - Stage 2 | | Dog poo bin | | |
| | New canopy shade trees | | | | |

GENERAL DRAWING NOTES

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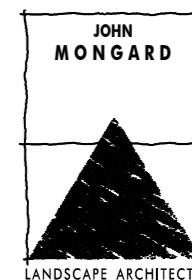
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D	16/08/22	Review	JM
C	27/07/22	Review	JM
B	04/05/22	Review	JM
A	28/04/22	Review	JM

ISSUE: DATE: EVENT: INITIALS:



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Email: mail@mongard.com.au | Web: www.mongard.com.au

Perry-Ling Gardens,
Penguin

LANDSCAPE DESIGN
DEVELOPMENT PLAN

SCALE: 1:500@A3	NORTH 	DATE: 16/08/22
DWG NO: CD-08		DRAWN BY: JR
SHEET NO: 8-12		CHECKED BY: JM
ISSUE: D		JOB NO: 2220101

0 2 4 6 8
SCALE 1:250 (m)

JOINS CD-07

JOINS CD-07


























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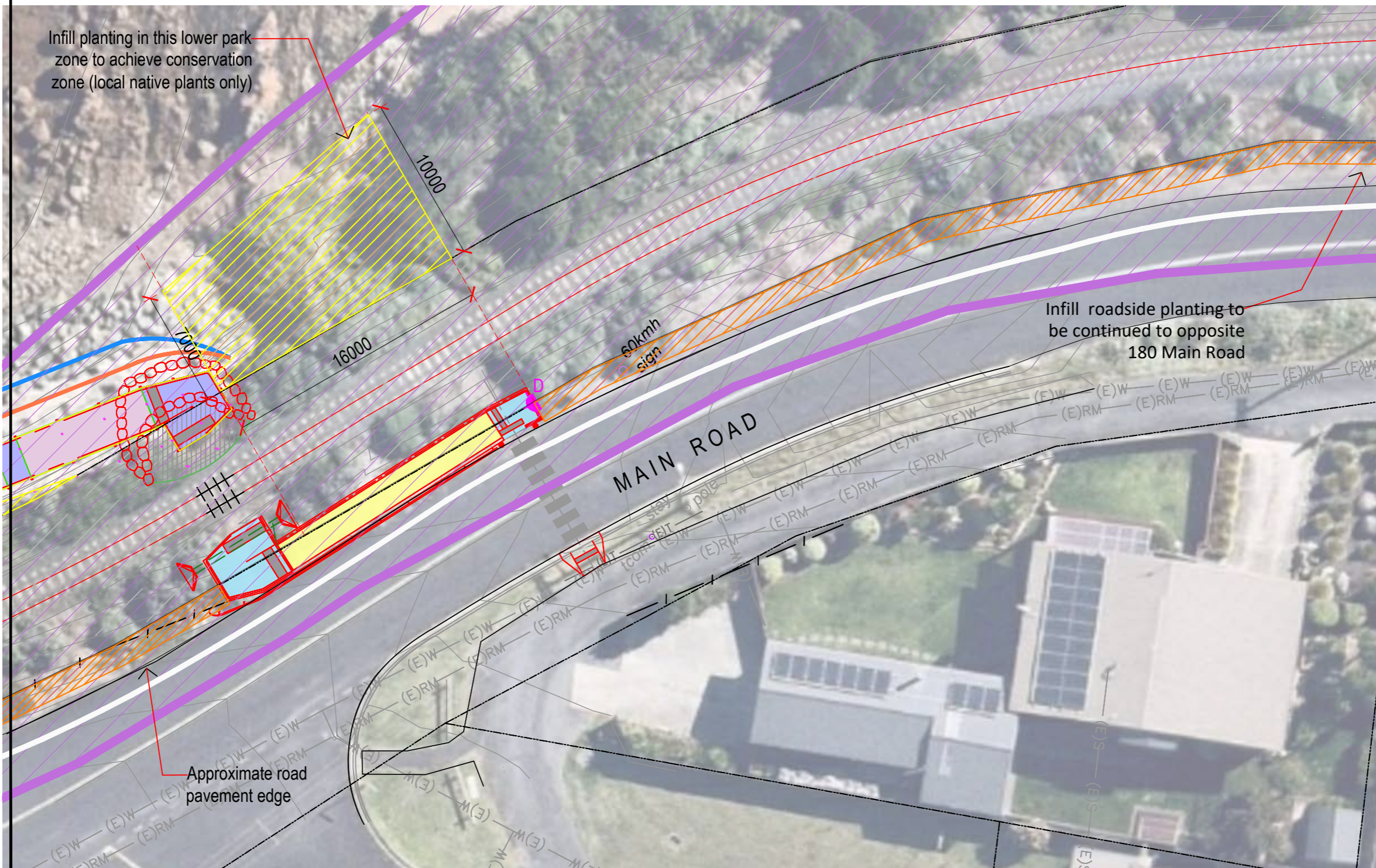
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JOINS CD-08

JOINS CD-08

LEGEND

-  TAS rail corridor & maintenance area
-  Heritage registered area
-  Existing trees to preserve & protect
-  New mulch - no planting - 5m dia
-  New gardens
-  Verge Gardens
-  Native coastal revegetation area
-  New concrete path
-  Concrete garden edge - Stage 1
-  Concrete garden edge - Stage 2
-  New canopy shade trees
-  Large bank protection shrubs
-  Timber bench with back on concrete pad
-  2 x Adirondack chairs on concrete pad
-  Railway sleeper bench - no back
-  New picnic setting on concrete pad
-  New interpretive sign
-  New way finding sign
-  Watering mainline (located behind garden edges)
-  Drink fountain with dog tap
-  Dog poo bin
-  Post and rail fence - refer detail
-  Sleeper retaining Wall
-  Picnic shelter / setting combination - refer notes / details
-  CL Denotes centre line on dimensions



GENERAL DRAWING NOTES

Written dimensions shall be taken in preference to scale. Verify all dimensions on site. Verify and mark all alignments prior to commencing work. Verify the location of all services on the site prior to commencing work. The Contractor is responsible for any damage incurred to the existing services. Co-ordinate all work with the other Contractors.

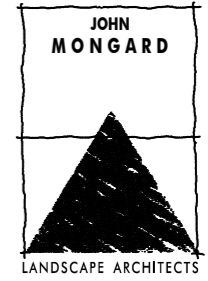
Contours indicated are approximate only. All levels to be verified on site. Set out all levels for the approval of the Landscape Architect prior to planting. All plants to be set out on the site for approval by the Landscape Architect prior to planting.

Only vegetation designated by the Landscape Architect is to be removed from the site. Retain all other existing vegetation.

All ordering to be obtained through the approved suppliers. Advise the Landscape Architect if supply difficulties are encountered.

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Perry-Ling Gardens,
Penguin

LANDSCAPE DESIGN
DEVELOPMENT PLAN

SCALE:
1:500@A3

DWG NO:
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NOTES:

0 2 4 6 8
SCALE 1:250 (m)

SPECIFICATION NOTES

These specifications relate to landscape works associated with the Perry-Ling Masterplan and should be read in conjunction with the Landscape Plans by John Mongard Landscape Architects.

PLANTING AND VEGETATION WORKS

A. Verge Planting

TasRail Corridor

TasRail will clear and then revegetate areas required for safe functioning of the corridor. Revegetation and jute matting will be undertaken in conjunction with other works. Plantings will be limited in the corridor to hardy, walkable ground cover species selected from the Perry-Ling Plant Palette.

Streetside Verge Gardens

The street verges are difficult to maintain due to access and TasRail requirements. The intention is to do the following works:

Verge Planting Specification

1.

Planting selection – use the Perry-Ling Planting Palette to select plants for infill areas. Allow for 3 tube plants per m² assuming one ground cover, one or two shrubs of up to 1.2m in height.
2.

Plant procurement – pre-grow / procure native and non-native plants 3-4 months in advance to ensure correct plants are available.
3.

Clear rubbish, weeds, remove dead plants and make ready for planting.
4.

Apply approved weed control chemical where grass or undesirable plants located (do not spray where there are healthy retained plants). Let sit for 3 weeks. Remove remnant weeds.
5.

Hand cultivate smaller areas and machine cultivate larger areas. Rake in compost (1 bag per 3m²).
6.

Lay 75mm of Cypress Pine mulch to cleared areas. Let sit for 4 weeks prior to planting.
7.

Plant tube stock or 140mm pot stock with water crystals and slow-release fertiliser tablets in planting holes (Typhoon ‘Native’ 10g, water crystals 10g per hole).
8.

Provide revegetation protection barriers to plants where required / until established (establishment in 6 months). Remove barriers once established.
9.

Apply water on planting (at least 5 litres per plant after planting).
10.

Water weekly for three weeks using watering truck or watering system.
11.

Remove any emerging weeds in the fourth week after planting.
12.

Commence annual maintenance programme.

B. Foreshore Park Planting

Set out of Gardens

A qualified surveyor should set out the gardens and furniture using the landscape plans. The curved garden beds are to achieve smooth transitions: Peg points at approximately 5 metre intervals. Lay a watering hose to achieve smooth transition lines prior laying concrete edge.

Works Around Existing Trees

No excavation or cultivation to soil under the drip line of mature existing trees. Trees with poor branch structure or damages from civil works should be carefully pruned to prevent further damage / disease. Make clean cuts. New garden soil or plants should not be added to the soil area around the tree drip line. Apply 75mm of cypress pine mulch under the tree drip line area and control weeds as required.

Park Planting Specification

1.

Planting selection – use the planting palette to select plants for infill areas. Allow for 3 tube plants per m² assuming one ground cover, one or two shrubs of up to 1.2m in height.
2.

Plant procurement – pre-grow / procure native and non-native plants 3-4 months in advance to ensure correct plants are available.
3.

Clear rubbish, weeds, remove dead plants and make ready for planting.
4.

Apply approved weed control chemical where grass or undesirable plants located (do not spray where there are healthy retained plants). Let sit for 3 weeks. Remove remnant weeds.
5.

Hand cultivate smaller areas / machine cultivate larger areas. Rake in compost (1 bag per 3m²).
6.

Lay 75mm of Cypress Pine mulch to cleared areas. Let sit for 4 weeks prior to planting.
7.

Plant tube stock or larger pot / bag stock with water crystals and slow-release fertiliser tablets in planting holes (Typhoon ‘Native’ 10g, water crystals 10g per hole).
8.

Advanced trees – excavate a hole twice the size of the bag. Mix in compost, water beads and two Typhoon fertiliser tablets per tree. Install two hardwood 1800 ht stakes per tree with hessian tie. Soak the tree bag into a plastic container prior placing. Then apply at least 15 litres of water for 75-100 litre trees. Re-apply water in one week. Implement watering system to maintain even watering during establishment.
9.

Provide revegetation protection barriers to plants where required / until established (establishment in 6 months).
10.

Apply water on planting (at least 5 litres per plant after planting).
11.

Water weekly for three weeks using watering truck.
12.

Remove any emerging weeds in the fourth week after planting.
13.

Commence annual maintenance programme.

Irrigation

Provide a design and construct quote from a qualified irrigation or hydraulic consultant. The intent of the system is to install a main water line that runs the length of the parkland following the new garden edge as shown on the Landscape Plans. Valve boxes with tamperproof taps are to be installed along the supply line to enable 20 metre watering hoses to be installed for manual watering / cleaning (approximately 7 valve boxes will be required). Water supply to be connected to the toilet supply line at Picnic Point. Test for sufficient water pressure. Undertake a dial-before-you dig search and identify services with project administrator. The main line required will be approximately 292 metre long. Excavate a trench and install main line at least at 300mm depth and provide ground line identifiers at regular intervals for future maintenance / locating the line. Supply an as-built plan in Autocad format to Council.

Hydromulching / Hydroseeding

Applied by approved specialist contractor. Scarify the surface to 700mm to enable seeding product to have purchase on the steep banks. Apply when there is no wind or rainfall projected for the install day and the following 5 days. Provide light watering as required until established in 3 weeks. Seed mix to provide native grass and ground cover species suited to exposed, coastal embankment. Provide species mix for approval.

Sleeper Edge

Setout line of new edge adjacent to the inside edge of concrete drain. Use 200 x 50mm x 1.8m timber sleeper (H4 treated pine ‘Sienna Micro Pro’ sleeper). Fix with ‘maxi 700mm’ sleeper peg galvanised steel T-joiner, suited for 2 sleeper height edge: (Bunnings model ES39). Use galvanised screw fixings. Apply black geotextile to rear of sleeper: staple fix to wall 100mm from top edge. Type: use Bunnings ‘Everhard 600mm x 50mm roll drain’ matting. Place 50mm deep and 200mm wide layer of 20mm blue metal drainage gravel over the geotextile. Topsoil: fill topsoil above geotextile and behind sleeper to allow for 75mm of mulch and 25mm clearance to sleeper top edge. Use screened topsoil which is certified weed free.

Sleeper Bench Seat

Set-out bench to nominated location (refer detail). Create a level soil base which is 100mm below finished turf level. Lightly compact 5mm crusher dust and place or construct bench in place. Type: as per detail

Bench Seat with Back:

Slab: Excavate and level area to allow for a 100mm reinforced concrete pad to be installed level with finished height of turf. Use F62 mesh and lightly expose pad.
Type: Landmarkpro ‘Tamworth’ Seat - 1800mm long
Raw pine frame & slats. Perry-Ling Volunteers Group to paint slats to Perry-Ling Colour Palette.
Install with bolt-down, galvanised stainless-steel fixings.

Penguin Colour scheme:

Perry-Ling Gardens has a specific paint palette which is to be strictly utilised. Refer attached Palette.

PARK FURNITURE

Supplier Painted Items:

Steel posts and frames must be hot dip galvanised primed and then painted with two coats of an approved two-part epoxy paint system. Supplier to provide touch-up paint can in 2-pack epoxy paint system.
Paint colour: Dulux Blue Regal #S43D9
System: Dulux Acrothane 1F
Dulux Data Sheet: PC218

Council / Volunteer Painted Items

Treated pine slats and frames are to be painted in Dulux paint system as per the attached palette of colours.
Paint Type: Dulux Weathershield Gloss Acrylic
Application: Follow instructions on Dulux product data sheet. Clean down timber. Apply by brush.
Coats: Apply two coats. If timber is raw and unseasoned, apply undercoat or use three coats of Weathershield.

Shelter Over Picnic Table Set (shelter only specified):

Type: Landmark Pro: Shelter is a kit for installation above a concrete slab.
Sherbrook series K103
Finish: Raw pine finish posts, bolt down, ultra-roofing, stainless steel fixings,
Posts: Raw finish ‘rose’ pine. Perry-Ling Volunteers Group to paint slats.
Roof colour: Colorbond ‘Wind spray’
Structural rating upgrade not required - confirm with local Landmark Pro the wind rating. Supplier to provide detailed design and structural certification. Concrete slab to be lightly exposed. Provide reinforcing and slab to detail.

Picnic Table and Chair Setting:

Type: Landmark Pro ‘Taroom’ Picnic Setting
Finish: 2-pack epoxy painted frame, raw finish pine slats. Perry-Ling Volunteers Group to paint slats.
Bolt down, galvanised stainless-steel fixings
Paint colour: Dulux Blue Regal #S43D9
System: Dulux Acrothane 1F
Dulux Data Sheet: PC218

Wheelchair access:

Supply one picnic setting with SIDE wheelchair access install at location as per landscape plan.
All other settings to be as standard - wheelchair access both ends.

Soil & Mulch Supplier

GW Landscape, Penguin or equivalent supplier
Ph. 0364370700
office@gwlandscape.com.au

Finger Post Signs

Refer to detail. Seek local signwriter to provide a design and construct quotation. Sign to have 2-pack epoxy painted metal work. Lettering to be vinyl cut in natural white. Sign contractor to provide footing detail. Signpost to be hot-dipped galvanised and painted. Provide sign fabrication drawing for approval. Finger post signs will feature blades on a post, in the manner of the sign near the Big Penguin. Signs shown on the landscape plans will have the following blades, pointed in the relevant directions:

Sign	Sign Text
Sign A - 5 blades	Penguin Watcombe Beach Perry-Ling Gardens Lions Park Toilet
Sign B - 1 blade	Watcombe Beach
Sign C - 6 blades	Penguin Perry-Ling Gardens Lions Park Ulverstone Main Road Toilet
Sign D- 1 blade	Watcombe Beach

Post Colour:

Dulux Marakesh Red #S03F9
System: Dulux Acrothane 1F
Dulux Data Sheet: PC218

Finger Post Sign Background Colour:

Dulux Blue Regal #S43D9
System: Dulux Acrothane 1F
Dulux Data Sheet: PC218

Interpretative Signs

Interpretive signs will be designed by John Mongard Landscape Architects, who will develop a design and construct package for quotation.

Themes:

- Sign 1 - Perry-Ling Gardens, The Railway, Early Watcombe Beach History
- Sign 2 - Watcombe Beach & The Natural Environment

Concrete Paving

- Location: reinforced concrete paving is to be installed at picnic table and at seat furniture bases.
- Concrete Paving Placement: Compact concrete to minimize compressed air in the laying of slabs. Achieve an aggregate rich finish to the top of the slab with minimal air voids.
- Surface finish: The surface is to be free of cracks and of even grade. The distribution of aggregate and colour will be even. No wash or stain marks will be acceptable from exposure of other processes.
- Type: Insitu concrete. Portland Cement in lightly exposed finish.
- Seal: Seal all concrete faces with CCS Natural Concrete Sealer

Maintenance Guide for Colorbond (Picnic shelter roof)

Simple maintenance of Colorbond® steel and Zinalume® steel by regular washing with water will not only enhance its life but maintain its attractiveness for longer periods thus protecting your asset.

Applications where the paint finish is automatically washed by rainwater do not usually require this maintenance, e.g. roof cladding. Examples of applications requiring maintenance cleaning include wall cladding under eaves, and the underside of eave gutters.

Areas not regularly washed by rainwater should be hosed down at least every six months and more frequently in coastal areas where marine salt spray is prevalent, and in areas where high levels of industrial fallout occur.

In cases where the regular maintenance referred to above does not remove all dirt which may have adhered to the surface of the paint, the following procedure should be carried out:

- Wash the surface with a mild solution of pure soap or mild non-abrasive kitchen detergent in warm water. Application should be with a sponge, soft cloth or soft bristle nylon brush, and should be gentle to prevent shiny spots.
- The Colorbond® steel and Zinalume® steel should be thoroughly rinsed with clean water immediately after cleaning to remove traces of detergent.
- Never use abrasive or solvent type cleaners (turpentine, petrol, kerosene, paint thinners) on Colorbond® steel and Zinalume® steel.

If cared for in accordance with these instructions, your building components made from Colorbond® pre-painted steel and Zinalume® steel will give many years of low maintenance life.

This information is intended as a guide only. Additional technical information can be obtained from the Colorbond website. Colorbond®, BlueScope and ® colour names are registered trademarks of BlueScope Steel Limited. ™ colour names are trademarks of BlueScope Steel Limited

Penguin Colour Scheme - Foreshore General



Penguin Colour Scheme - Foreshore General:

Radiant Orange	SB7C9
Marrakesh Red	S03F9
Primrose Path	S17H5
Manakin	S36H2
Tree Frog Green	S22F8
Galaxy Blue	S36H7

Perry Ling Additional:

Bureaucracy	S43D6
Blue Regal	S43D9

Penguin Colour Scheme - Perry Ling Additional



Code: **WORKS 13-13**

WORK METHOD REQUIREMENTS



- ☐ 1 For any planned work that the Council requires to undertake within 3 metres of a Railway Line, a documented scope of work together with a SWMS will need to be submitted to Tasmanian Railway Pty Ltd within at least 7 days prior to commencement of works.

Call Brett Pike on 0418 121 939 or Marko Stepanovic 0419 669 002.
- ☐ 2 Before beginning any task a "Permit to Work" shall be issued to the authorised Central Coast Council employee and validated by an authorised Tasmanian Railway representative.
- ☐ 3 At the discretion of Tasmanian Rail, an onsite meeting may be organised to discuss Tasmanian Rail Safety requirements with CCC Employees.
- ☐ 4 Orange Vest must be worn by CCC staff when working onsite, (*available from Depot Store*).
- ☐ 5 Initial notification of any incidents/accidents must be reported to Tasmanian Rails (Train Control) on 036337 2266.
- ☐ 6 Supervision of any associated contractors or sub-contractors will be Council's responsibility.

MUST DO POINTS

- | | |
|--------------------------|--|
| <input type="checkbox"/> | Orange Vest must be worn by CCC staff when working onsite, (<i>available from Depot Store</i>). |
| <input type="checkbox"/> | A Scope of Work, a documented SWMS and a "Permit to Work" signed by both authorities must be generated prior to work commencing. |
| <input type="checkbox"/> | All staff working within the Rail Corridor must have completed the compulsory "Track Safety Awareness" training program and no work is to be done inside the rail corridor without a Track Protection Officer present. |

WORK METHOD REQUIREMENTS

Name: Signed:

Date:

SITE WORKS FORM



Activity: PERRY LINGS RAILWAY
Code: WORKS 351-8



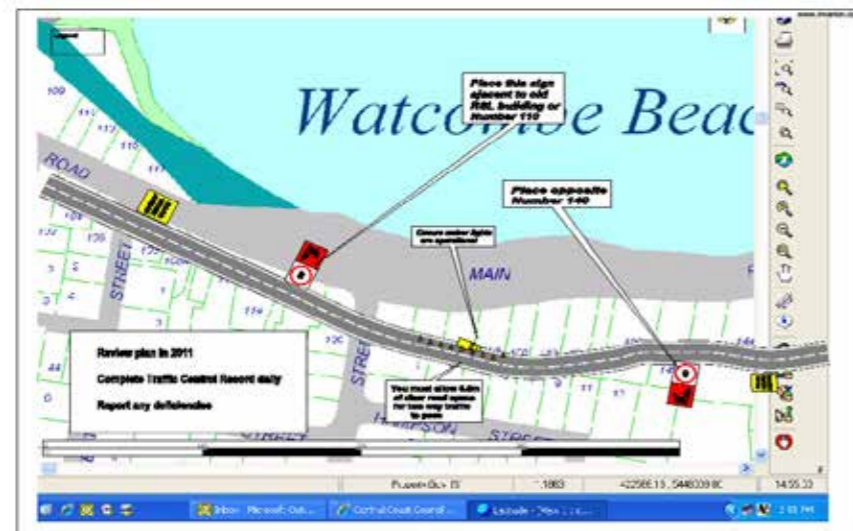
WORK METHOD REQUIREMENTS



Use P.P.E Pictured when appropriate

	Reigonal
Activity	Freq
Sprayed	2x Per Annum
Trimmed	Annually

- ☐ 1 Team Leader to call Tas Rail to notify that workers will be in this area and obtain Train times and for TPO. If working within 3 metres from track centre (Council Inducted Track Protection Officers Must Be On Site) staff need to be Rail Trained and inducted.
- ☐ 1 Refer to Procedure 13-13 Working Within Close Proximity of Railway Lines.
- ☐ 2 Need Two Traffic Controllers while spraying and mulching.
- ☐ 3 Use Traffic Control draft that Works Safety Officer has supplied.
- ☐ 4 Cover 60 speed limit signs within works area.
- ☐ 5 Make sure everyone is accounted for after train has passed through the area.
- ☐ 6 Carry out maintenance on garden as per Procedure 351-9.
- ☐ 7 If planting out area, ensure to plant minimum 4 + metres away from track edge to keep trees out of 3 metre zone.
- ☐ 8 Complete Spraying as per Procedure 361-6.



1 of 2

Updated 9 April 2014

WORK METHOD REQUIREMENTS

Name:

Signed:

Date:

2 of 2

Updated 9 April 2014



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