WAIPĀ DISTRICT COUNCIL CEMETERY CONCEPT PLANS.

DRAFT 15 FEBRUARY 2023

Waipā
DISTRICT COUNCIL

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ACKNOWLEDGMENTS

Waipā District Council Cemetery Concept Plans have been prepared using the skills, experience and inspiration of many people, including, but not limited to:

Waipā District Council (WDC)
WDC Sextons and Park Officers
WDC Transport Team
Mana whenua
RSA - The Royal New Zealand Returned and Services Association
Waka Kotahi
Current lessees
Local funeral directors
Waipā Community
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PURPOSE

Background

For most natural deaths, following certification of cause of death by a doctor or nurse practitioner, the deceased's body is released to their family for preparation for a funeral, tangi or other rite.

In Aotearoa/New Zealand, there are four options: burial, burial at sea, cremation and donating a body to medical science. There is a legal obligation for the deceased person to be laid to rest in a dignified way. The most common methods to respectfully dispose of a deceased person's body/ tūpāpaku are burials and cremations.

Burials may be traditional burials, which involve embalming of the body and interment in a casket or coffin buried underground; or natural or eco-burials, in which the deceased is wrapped in a shroud or coffin that will allow rapid decomposition and buried underground. Burials must occur in an approved open cemetery[1] or urupā (Māori burial grounds) and are typically held within one to two weeks of a person's death.

For cremations, the most common options are either to inter the ashes at a cemetery or for the ashes to be taken home by the family and either kept or scattered at a meaningful place.

What is Waipā's public cemetery network?

Council is required under the Burial and Cremation Act 1964 to ensure there is sufficient provision for burials and interments for Waipā residents and under this legislation is mandated to establish and maintain cemeteries.

1 Unless there is no such place within 32 kilometeres in which case the nearest District Court Judge must be notified within three days of the burial.

Council owns and administers 10 public cemeteries that are held either as local purpose (cemetery) reserves under the Reserves Act 1977 or as fee simple land under the Local Government Act 2002. Each cemetery offers coffin and casket burials and ash interment options. At Leamington Cemetery there is also a natural burial option. Except for Pukeatua Cemetery[2], all the other cemeteries have been developed under a secular framework with the only designated areas[3] being the RSA NZ areas at Te Awamutu and Hautapu cemeteries.

Most people interred at the cemeteries are Waipā residents but people from outside of the district can also be interred there. Individuals can reserve up to two plots for a maximum of 60 years[4]; with the number of interments at each plot dependent on the cemetery's ground conditions. At present burial lots can only be used in perpetuity as current legislation doesn't allow renewable interments[5].

Over the last 10 years Waipā's cemeteries have had a much higher body burial to ash interment ratio; being approximately 64 percent to 36 percent. In 2021, there were 207 interments in the public cemeteries comprising 124 lawn interments and 83 ash interments. 90 percent of the interments were in the Hautapu, Leamington and Te Awamutu cemeteries. Burials generally occurred on weekdays between 8am and 2pm.

Council has a strong focus on providing safe and easy access, appropriate settings and facilities for people to care for and to mourn their loved ones. The cemeteries are open to the public year-round, with vehicle access restrictions at night-time.

In 2020, Council undertook a demand and supply network analysis of its 25.5 hectares of cemetery land. This found that there was almost 10 hectares already in use (including some areas with unmarked graves) and approximately 6.1 hectares that was unsuitable for future use because of factors such as topography, ground conditions and hydrology. The study found that the remaining 9.4 hectares of usable land, much of which is currently grazed or cropped, will provide sufficient interment capacity across the network until 2048. Importantly, the study found that based on a medium demand scenario the Te Awamutu Cemetery may reach capacity by 2028 and Hautapu and Paterangi cemeteries by 2033[6].

2 Pukeatua Cemetery is the only cemetery that has historically had designated Catholic and Protestant areas.

3 People who have Operational Service under the Burial and Cremation Act or are a spouse or partner to a person who has Operational Service under the Burial and Cremation Act can be buried in these areas (see https://www.veteransaffairs.mil.nz/a-z/burial-in-a-service-cemetery/ for more information).

4 At present plot reservations aren't available for eco-burials.

5 Renewable interments are utilised overseas where land is in short supply. At the end of the renewable interment right, the remains are removed and placed in an ossuary box in the same grave or placed in an ossuary house. The grave, crype or niche can then be reused.

Who does what?

Council provides the following services internally for these cemeteries:

- bookings
- burials and interments
- disinterments and reinterments
- cemetery development
- cemetery maintenance

6 See findings for the low, medium and high demand scenarios for all of the cemteries in the Network Overview Table on page 10.

- management of cemetery database and mapping
- regular inspections of memorial headstones and other monuments, and repositioning or removals to ensure public safety if person entitled to maintain monument cannot be identified or doesn't undertake necessary works, and
- customer support for general enquiries and complaints.

Funeral directors support families to organise and facilitate the funeral service, transport, prepare the deceased, register the death with the Department of Internal Affairs, obtain the death certificate and organise the burial with Council.

Memorial headstones, monuments, and other structures are the responsibility in perpetuity of the burial right holder of the plot, their representatives, or descendants in the first instance.

Why do we need concept plans?

Council's Cemeteries Activity Management Plan 2021 identified several actions to address issues associated with accessibility and visitor infrastructure level of service issues, the effects of roading changes and intensification, changing burial and interment preferences, and individual cemetery capacities. A key action was to address the absence of long-term plans for each cemetery.

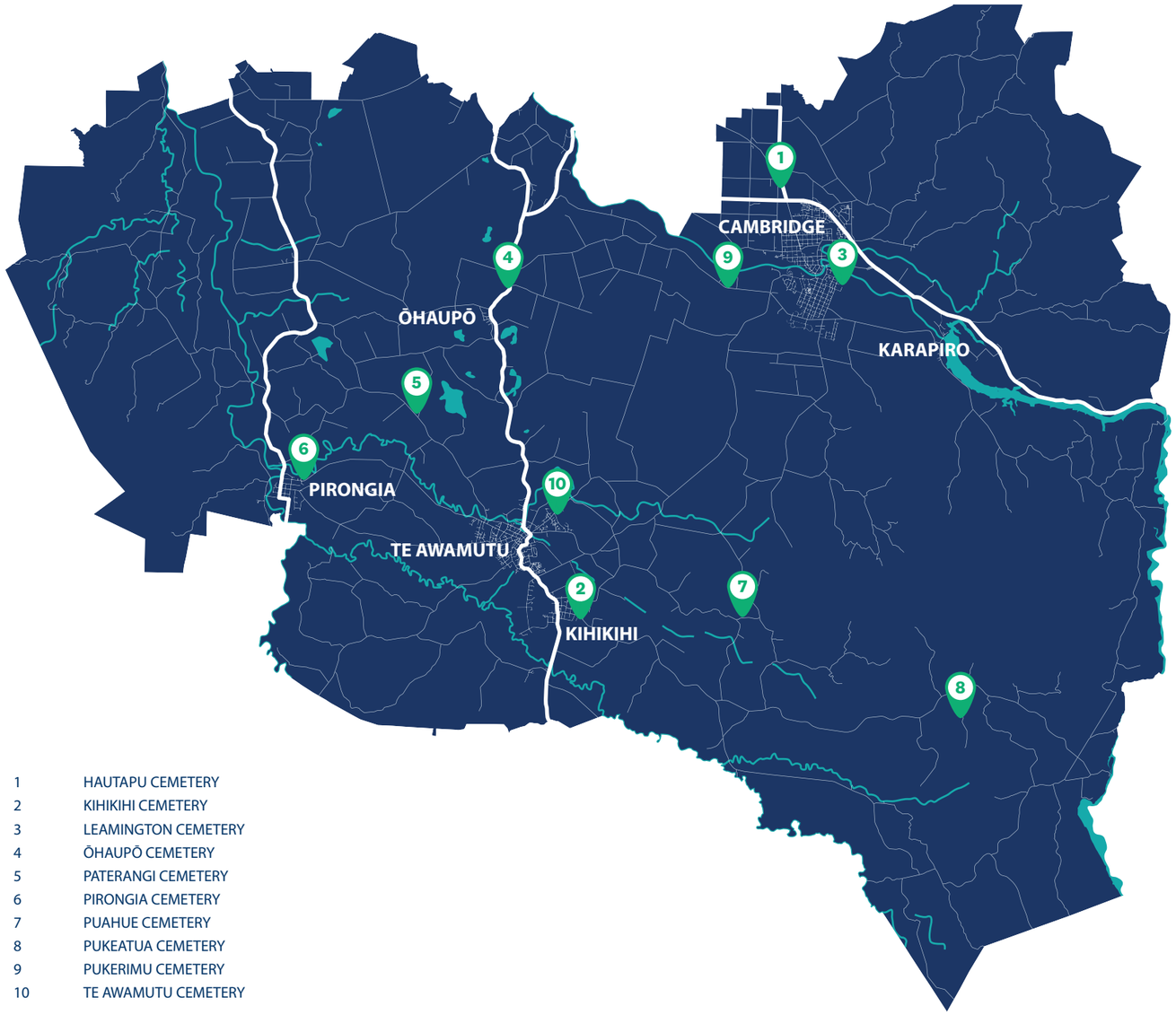
The preparation of these concept plans is the first time Council has engaged with the community and mana whenua on long-term plans for each individual cemetery.

What don't these plans cover?

The following matters are out of scope for this project:

- private cemetery and urupā development and management,
- public cemetery maintenance, and
- cemetery acquisition and divestment assessments.

WAIPĀ DISTRICT COUNCIL'S CEMETERIES



1	HAUTAPU CEMETERY
2	KIHIKIHI CEMETERY
3	LEAMINGTON CEMETERY
4	ŌHAUPŌ CEMETERY
5	PATERANGI CEMETERY
6	PIRONGIA CEMETERY
7	PUAHUE CEMETERY
8	PUKEATUA CEMETERY
9	PUKERIMU CEMETERY
10	TE AWAMUTU CEMETERY

SCALE 1:250000 @ A3

0 5 10 15km

CONCEPT PLAN FRAMEWORK

Statutory and policy context

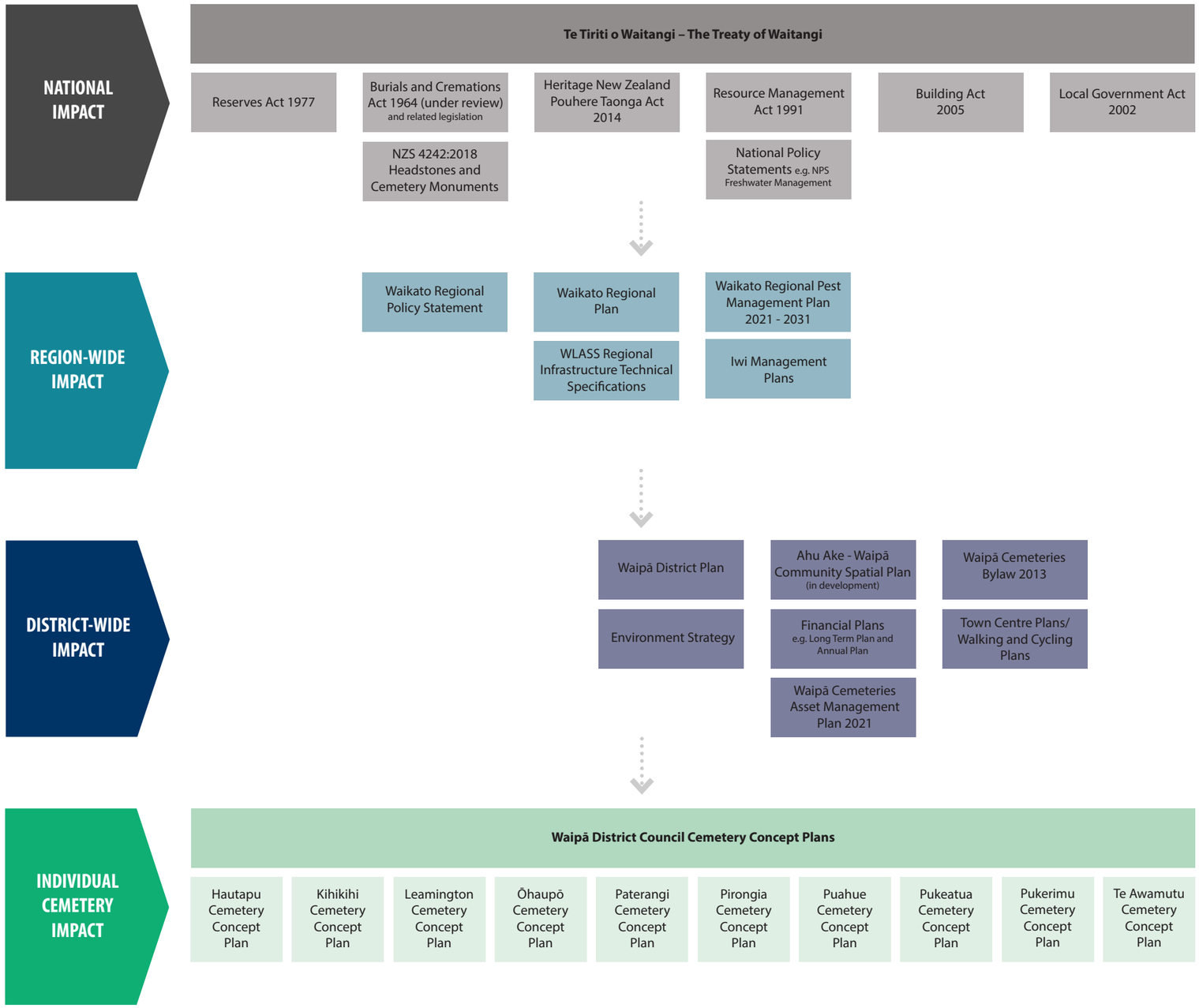
Council's obligation under the Burials and Cremations Act 1964 to ensure that sufficient burial capacity means that Council can run cemeteries to meet the demand, ensure that sufficient private capacity is available, or the combination of the two. The Act does not stipulate how the disposal of the deceased should take place, just that Council must provide a "suitable" cemetery that must be open to all people.

The Act gives Council significant discretion as to:

- where cemeteries are established,
- how they are managed,
- when and how burials can take place,
- the types of memorials permitted, and
- the establishment of special areas for different denominations within cemeteries.

In addition to the Burial and Cremation Act 1964, there is a range of other legislation, plans and bylaws that guide decisions related to cemetery development and management. Figure 1 shows the relationship between these key documents.

The Burial and Cremation Act 1964 and related legislation is currently under review by the Ministry of Health to develop a modern, fit-for-purpose legislation for death, burial, cremation, and funerals. It is unknown at this stage if the outcomes of this review will impact the development of existing cemeteries.



WAIPĀ MANA WHENUA

There are a number of iwi and hapū with ancestral relationships in certain areas in Waipā where they exercise customary authority. These iwi and hapū are known as mana whenua. There are also many Māori living in Waipā who are not in a mana whenua group

Mana whenua are generally buried at their urupā which is managed by their iwi/hapu. Urupā in Waipā can be attached to marae or located separately on privately owned land.

While for mana whenua the focus is on securing access to, developing and maintaining their urupā, there is still a strong interest in the development of the public cemeteries because of loved ones being buried there and the acknowledgement that some Māori choose to be buried there. There are also some cemeteries such as Ōhaupō that contain or adjoin sites of significance and hold an important place in the historical, spiritual, ancestral, and cultural identity of the iwi and hapū that are mana whenua of Waipā.

Historically Waipā cemeteries have been created without local mana whenua involvement or consideration.

Iwi management plans and project-specific cultural impact assessments set out the importance of Waipā's open space network to mana whenua and their aspirations for the network. Priorities include:

- protecting the mana and the mauri of open spaces and waterways,
- valuing te tiro ā Māori ki tona ake ao, a Māori world view that acknowledges the tangible and intangible, the inter-relationship of all living and non-living things and speaks to the vital connection between tāngata whenua (indigenous people) and te taiao (the natural environment) in which they live,
- recognising and enabling mana whenua as kaitiaki through for example enabling mana whenua involvement in planning and decisions,
- acknowledging, protecting and restoring sites of significance,
- ensuring physical and visual access to ancestral lands, cultural landscapes and taonga, and
- enabling iwi and hapū to have a living and enduring presence at our public open spaces through for example the practice of customary activities.

Iwi tikanga and kawa associated with mate (death) can differ, however, some common matters that should be considered when developing cemeteries include:

- provision of sufficient setbacks from waterways and food cultivating soils due to the possibility of contamination from the leaching of embalming fluids into soil and waterways,
- provision of facilities that enable a tangi procession to the gravesite and unveiling ceremonies,
- provision of facilities that enable elders to easily access gravesites and to comfortably spend extended periods of time at cemeteries,
- provision of running water near the exits to allow for the cleansing of tapu,
- discouragement of eating at the cemetery, as food is the antithesis of tapu,
- prohibition of ashes being spread on to culturally significant sites or released into streams, rivers, and lakes, and
- burial options that don't require embalming and enable harakeke kete to be used rather than a coffin or casket.

Mana whenua recognise that public cemeteries contain many ethnicities and cultures that now call Aotearoa/New Zealand home. They support working together to achieve outcomes that support multiple belief structures without transgressing the tikanga of mana whenua.

OVERVIEW: NETWORK CHALLENGES AND OPPORTUNITIES

Demographics + Population growth

Waipā's current's population of 58,294 is centred in Cambridge and Te Awamutu. The ethnic composition is 82% European/Other, 13% Māori, 1% Pacific, 3% Asian and 1% Middle Eastern/Latin American.

Waipā's population is expected to grow by 13,054 to 71,348 by 2052. The current composition of ages and ethnicities is expected to change as Waipā's population ages and the number of residents that identify as ethnicities other than European grows. This population expansion is projected to increase the demand for burial plots from approximately 260 per year in 2018 to 450 per year in 2043. Increased ethnic diversity may require consideration of alternative forms of interment and/or requests for specific denominational areas.

Waipā's four urban cemeteries - Hautapu, Leamington, Te Awamutu and Kihikihi – will continue to cater for most of the demand for interments in the short to medium term; with Pukerimu Cemetery catering for some of Cambridge's demand as Hautapu reaches capacity and Cambridge's residential population extends to the south-west. For these cemeteries there is a strong need to efficiently utilise the remaining land to try and extend their capacity.

The two village cemeteries – Pirongia and Ōhaupō – have access challenges but if these are resolved there is sufficient land to meet projected demand from these growing villages and surrounding catchments in the long-term.

Two of the three rural cemeteries – Puahue and Pukeatua– have capacity to meet projected demand from the surrounding rural communities in the long-term. Paterangi may reach capacity as early as 2033.

Access and circulation

Some cemeteries such as Ōhaupō, Pukerimu and Paterangi have significant vehicle access and egress issues that are amplified by limited entrance features to identify the main entrance. Cemeteries with internal roads face issues associated with manoeuvring and damage caused by cars driving off the sealed areas. While sufficient space has been provided for funeral directors to drive their hearse close to most gravesites, this is largely across grassed areas and is dependent on ground conditions.

While there is some on street parking available, the urban cemeteries either have insufficient car parks or car parks located away from future development areas. The village and rural cemeteries all have unformed parking that is generally located on the grass verge of the adjoining road corridor. There are no marked mobility parks at any of the cemeteries.

The pedestrian accessways through the cemeteries are generally across mown lawns with poor or no way-finding information and, in some sections, steep gradients without steps and/or supporting handrails. While some cemeteries are part of wider recreational walking circuits, many don't have safe walking and cycling access that visitors can utilise as an alternative to driving to the cemetery.

There is a significant opportunity to improve the safety and accessibility of the cemeteries through developments that support access to and through the cemetery.

Visitor infrastructure

Public amenities at Waipā's cemeteries could be significantly improved to enhance the visitor experience and support tikanga. There is limited seating, rubbish bins, shade, way-finding signage and shelter. Only two cemeteries have toilets and five have running water for cleansing and filling vases.

For cemeteries that are part of a wider walking circuit, such as Leamington, there is an opportunity to better guide pedestrians through the cemetery in a respectful way.

Amenity

Several cemeteries have wonderful peaceful settings that provide views to surrounding maunga/mountains, rural landscapes and/or native bush. Others have existing or future adjoining land uses such as high traffic and/or speed roads, industrial land development and residential intensification that affect or may affect the amenity of the cemeteries. Through thoughtful landscaping, working with Council's transport team and adjoining landowners many of these effects could be mitigated to enhance the cemetery visitor experience.

Planting, which enhances the amenity could also support visitors to pay their respects through the provision of picking flower gardens.

Security

Many of the cemeteries have limited passive surveillance because of location, topography, and surrounding land uses. Recent issues have led to several urban cemeteries having locked gates installed to prevent vehicle access at night-time. There is an opportunity through measures such as lockable gates, landscaping, positioning of facilities and appropriate activation of cemeteries through integration into walking circuits to improve the security of cemetery visitors and reduce the risk of vandalism.

Environmental

Waipā's cemeteries are largely landscaped with mown lawn areas and large exotic specimen trees such as cypress and magnolias. There is an opportunity within several cemeteries to undertake native restoration planting of areas that are unsuitable for burials because of either topography, proximity to waterways or hydrology. This, together with planting more native species throughout the cemeteries, both specimen trees and plants within amenity gardens, presents an opportunity to improve both the biodiversity of the cemeteries and the water quality of adjoining waterways and contribute to carbon sequestration.

Climate change and sustainability

Climate change is affecting cemeteries in the same way that it is affecting many other parks and reserves. Several cemeteries have surface flooding issues during high rain events and is likely to worsen and become more frequent in the future. Others will increasingly experience extended periods of drought conditions. Being proactive about these issues now will result in more resilient and sustainable long-term developments and less damage to burial sites and vegetation. There is also an opportunity through landscaping to reduce chemical use to maintain weeds and edges and reduce mowing requirements which in turn reduces the risk of damage to graves.

Facilities, maintenance, and operation

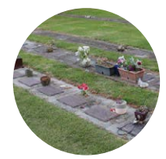
There are operational buildings and depots at Te Awamutu, Leamington and Hautapu cemeteries. These depots are used to store soil, green waste, and machinery. They could be better located and screened to enable efficient and sustainable operational practices and minimise effects on the amenity of the cemeteries. Other cemeteries may also require depots as they extend and become busier.

Current interment options

The options currently available within Waipā's cemetery network include:



Headstone burial area with a headstone grave and interment of the deceased' body and/or ashes. A lawn burial plot can hold up to two bodies and up to four ash interments. These require relatively flat land and can only be achieved on slopes up to 1 in 6 gradient with only minor earthworks and retaining structures. The berms are 700cm wide with a 2.7m gap between berms.



Lawn ash interment with a plaque on a concrete strip and interment of ashes in front of the strip. This option can cater for up to two sets of ashes per plot.



Memorial gardens/ gardens of remembrance with a plaque on a low wall or concrete strip around the garden and interment of ashes in front of the wall or strip.



Natural burials with a discrete marker and the ability for a tree to be planted in lieu of a headstone or plaque. Embalming of the interred is not permitted and the casket or shroud must be of a biodegradable material.

Future interment options

Future provision of a greater range of options across the cemetery network will help meet the communities' needs and better utilise the remaining cemetery land.

Options may include:

- Natural burials at other cemeteries.
- Increasing ash interments within lawn grave plots.
- Walls of remembrance or niche walls where ashes are placed within the wall and covered with a plaque. These can range in size and style but are a very efficient use of space. It is important that this feature is supported with landscaping and seating.
- Lawn areas with mass ash interments and names on a concrete beam on the edge of a lawn area.
- Ash interments within pre-prepared soil pods (or other similar eco ash interment) and placed in designated native restoration area
- Memorial walls where names are placed on the wall (ashes interred or scattered elsewhere in cemetery or remain with family).

Should legislation change other alternatives such as renewable interments and disposal options for water cremation or ashes from alkaline hydrolysis could also be explored.



LEAMINGTON CEMETERY

EXISTING NETWORK OVERVIEW TABLE

CEMETERY TYPE U - URBAN V - VILLAGE R - RURAL			AREA (ha)	SUPPLY ANALYSIS			DEMAND ANALYSIS (when cemetery will reach capacity)			AVERAGE ANNUAL NUMBER OF INTERMENTS			CURRENT INTERMENT OPTIONS				RSA AREA	ACCESS AND ACCESSIBILITY VP - VERY POOR P - POOR A - ADEQUATE E - EXCELLENT				FACILITIES/ASSETS N/A - NON APPLICABLE/ NO ASSET P - POOR A - ADEQUATE E - EXCELLENT							
				AREA IN USE (ha)	AREA SUITABLE FOR FUTURE USE (ha)	TOTAL REMAINING BODY CAPACITY	LOWDEMAND SCENARIO	MEDIUM DEMAND SCENARIO	HIGH DEMAND SCENARIO	AVERAGE TOTAL NUMBER	% BODY BURIALS	% ASH INTERMENTS	BURIAL (LAWN)	NATURAL BURIAL (NATIVE PLANTING)	ASH INTERMENT (LAWN)	ASH INTERMENT (GARDEN EDGE)		VEHICLE ACCESS/ EGRESS	PEDESTRIAN ACCESSIBILITY (Including accessibility at entrance/gate and of facilities such as parking, toilets, seating, bins, water and signage	BICYCLE ACCESSINILITY	CONNECTION TO PUBLIC TRANSPORT	ON-SITE PARKING	TOILETS	SIGNAGE	SEATING	BINS	ACCESS TO WATER	SHADE/ SHELTER FROM PREVAILING WIND	MAINTENANCE YARD
1.	Hautapu	U	4.69	3.55	1.05	1367	2038-43	2033-38	2028-33	64	67%	33%						P	A	P	VP	A	A	P	P	P	A	A	A
2.	Kihikihi	U	2.44	0.66	1.29	1718		2043-48	2043-48	5	97%	3%						A	A	A	P	N/A	N/A	P	P	A	A	A	N/A
3.	Leamington	U	2.85	0.76	1.62	1944		2043-48	2038-43	32	51%	49%						E	A	A	P	A	N/A	P	P	P	A	A	A
4.	Ōhaupō	V	3.15	0.27	0.64	1060			2043-48	3	70%	30%						VP	P	P	VP	N/A	N/A	N/A	N/A	N/A	N/A	A	N/A
5.	Paterangi	R	0.36	0.17	0.07	134	2033-38	2033-38	2028-33	3	57%	43%						VP	P	P	VP	N/A	N/A	P	P	N/A	N/A	P	N/A
6.	Pirongia	V	3.21	0.96	1.25	1605			2043-48	9	83%	17%						A	P	A	P	P	N/A	P	P	P	A	A	N/A
7.	Puahue	R	0.71	0.03	0.68	816			2043-48	1	92%	8%						A	P	P	VP	N/A	N/A	P	N/A	N/A	N/A	P	N/A
8.	Pukeatua	R	1.06	0.06	0.71	886				2	75%	25%						A	P	P	VP	P	N/A	P	P	N/A	N/A	A	N/A
9.	Pukerimu	R	2.24	0.27	1.32	1584			2043-48	3	97%	3%						VP	P	P	VP	N/A	N/A	P	P	A	N/A	P	N/A
10.	Te Awamutu	U	4.78	3.25	0.74	968	2028-33	2028-33	2023-28	96	58%	42%						A	A	A	P	A	A	A	P	E	E	A	A
			TOTAL 25.49	TOTAL 9.98	TOTAL 9.37	TOTAL 12083																							

PROJECT METHODOLOGY

KICK OFF
MARCH 2022

Key objectives and processes confirmed.

SITE ANALYSIS
APRIL - MAY 2022

Site visits with key staff and research into each cemetery to understand conditions, use, challenges, and opportunities.

PRE-CONCEPT CONSULTATION AND ENGAGEMENT
JUNE - JULY 2022

Mana whenua, funeral directors, RSA NZ and grazier engagement and public survey to understand use, current satisfaction with the network, issues, and aspirations.

DRAFT CONCEPT PLANS
AUGUST - NOVEMBER 2022

Findings reviewed and draft text and plans prepared.

COUNCIL ENDORSEMENT OF DRAFT PLANS
FEBRUARY 2023

Draft concept plans approved by council.

DRAFT CONCEPT PLANS CONSULTATION AND ENGAGEMENT
MARCH 2023

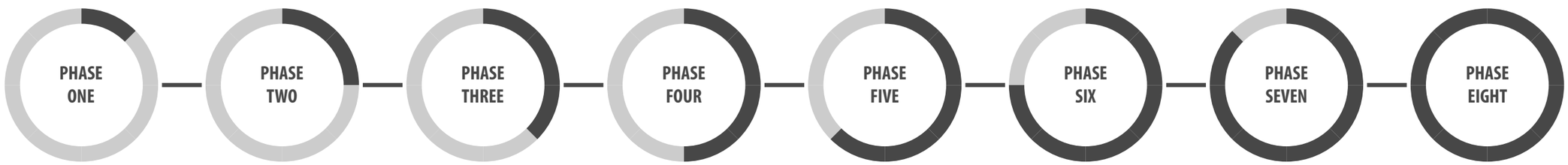
Mana whenua, funeral director and RSA NZ engagement and public survey to seek feedback on draft concept plans.

REFINE CONCEPT PLANS
APRIL 2023

Feedback reviewed and amendments to the plans considered.

FINALISE CONCEPT PLANS
JUNE 2023

Council adopt plans



PHASE 3 PRE-CONCEPT CONSULTATION AND ENGAGEMENT

WHEN WAS THE CONSULTATION?

Waipā District Council was very keen to hear from the community about their issues and aspirations for cemeteries in the district. To date, other than public consultation on Council's Cemeteries Bylaw 2013, there has been no mana whenua or public engagement on cemetery development.

The project was discussed with mana whenua through the Ngā Iwi Tōpū o Waipā and Iwi Consultative Committee forums, an online meeting and individual correspondence.

The RSA NZ and funeral directors highly valued the care and attention Council's staff place on maintaining the cemeteries and were very supportive of developments that would improve the accessibility and amenity of the cemeteries. Improving the safety of vehicle access at certain cemeteries such as Pukerimu, Pirongia and Ōhaupō, developing formed paths, the provision of shade, seating, parking, and toilets and developing the cemeteries in a way that would increase capacity were common themes from discussions with RSA NZ and funeral directors.

The responses to the public survey which was open for 4 weeks between Monday 13th June and Friday 8th July 2022 are captured below.

WHO RESPONDED?

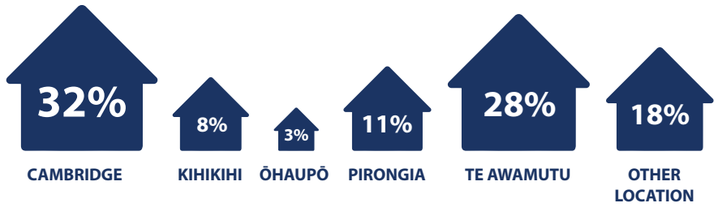
78
people had their say

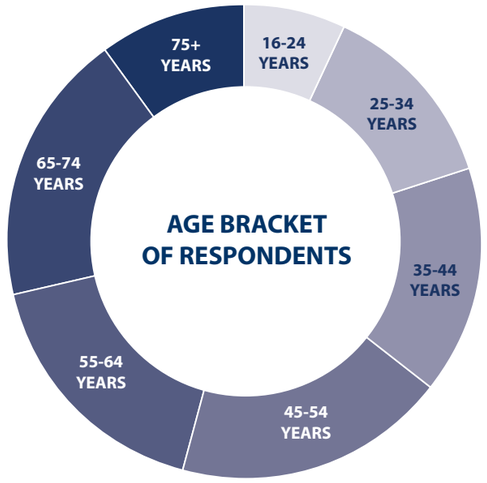
66
ONLINE SURVEY RESPONSES

5
EMAIL RESPONSES

7
HARD COPY RESPONSES

PERCENTAGE OF RESPONDENTS THAT LIVE IN EACH AREA





ETHNICITY OF RESPONDENTS



14% OF RESPONDENTS ARE RSA MEMBERS → OF THOSE 14% RSA MEMBERS, 50% ARE RETURNED SERVICE PERSONS

WHAT DID WE HEAR?

SELECTED COMMENTS:

'Driving past any cemetery in Waipā they are always tidy, lawns mown, no rubbish. Specifically kIhikihi cemetery on Oliver St, the graves are always groomed and the area feels respected.'

What I like most is that both Te Awamutu and Pirongia are situated on hills/higher elevations. Which gives a view across the towns and feels comforting when visiting deceased whanau, to know that they are overlooking the whenua

'More information on future locations would be good. An alternative to Hautapu and Leamington for Cambridge residents would be good.'

'Would love to see casket eventually phased out in favor of biopods or another more ecologically friendly option.'

Would support culturally sensitive options - 'There is nothing available for hindu ceremony

'Having soft night lights at ground level and over any permanent structures in the area can lead to a greater sense of connection to the community so that we can remain aware of the importance and connection we all share.'

'What about dogs, could you take someone's pet to visit them.'

'request...for a memorial garden of remembrance...to enable small plaques to be placed in a garden or similar with some nice seating area to record and remember our departed loved ones who were not able to be buried or cremated within the Cemetery itself'

'As we age, accessibility from parking to staying and having somewhere to rest our bones is important. Staying connected takes time and for some of us, it takes longer to find enough comfortable spots to spend the time needed to say what we need to.'

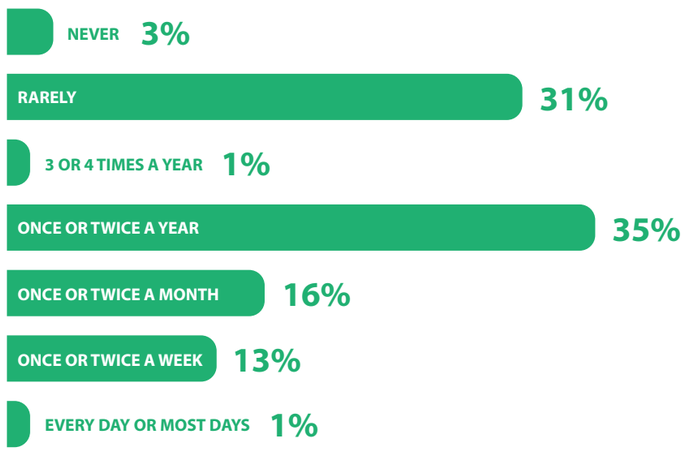
58%

OF RESPONDENTS NOTED THAT THE CEMETERIES WERE **WELL MAINTAINED OR TIDY**

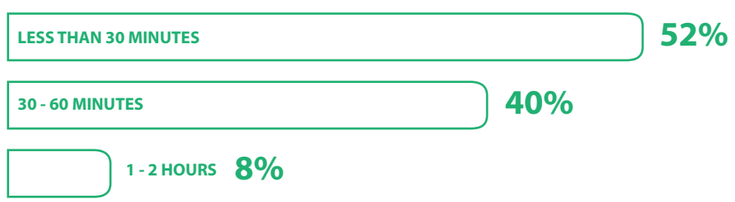
12 PEOPLE COMMENTED THAT THEY LIKE THE PEACEFUL OR QUIET FEEL OF THE CEMETERIES

85% OF RESPONDENTS SUPPORT THE ENHANCEMENT OF BIODIVERSITY THROUGH 'PLANTING FOR PLACENTA PROGRAMMES' IN AREAS OF THE CEMETERIES THAT ARE NOT SUITABLE FOR BURIALS.
Areas not suitable for burials include steep topography, unsuitable ground conditions and/or proximity to waterways.

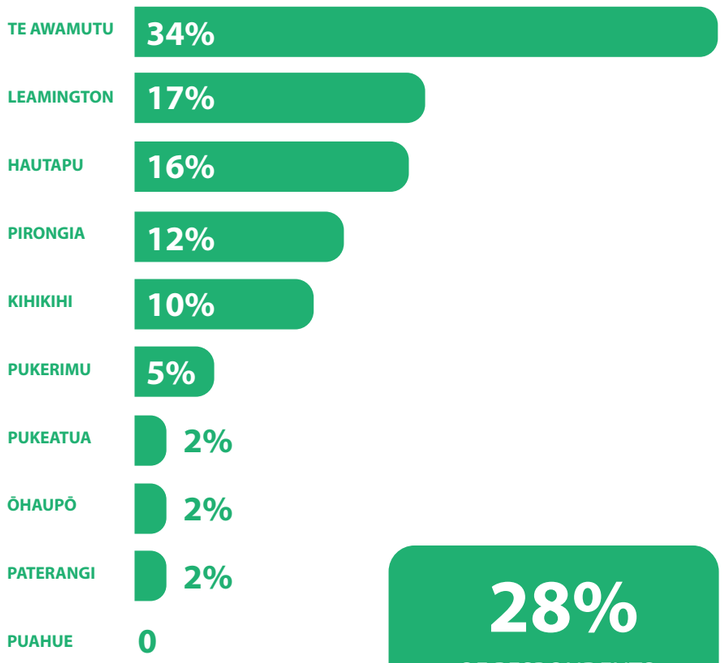
FREQUENCY OF VISITS TO CEMETERY OF CHOICE



AVERAGE TIME SPENT AT CEMETERY OF CHOICE



CEMETERIES VISITED MOST OFTEN



87%

OF RESPONDENTS WERE **SATISFIED** WITH THE CURRENT RANGE OF INTERMENT OPTIONS

28%

OF RESPONDENTS SAID THAT CHANGES TO THE CEMETERY WOULD MAKE THEM CONSIDER AN ASH BURIAL RATHER THAN A CASKET/ COFFIN BURIAL

Suggestions included ash repository, additional environmentally friendly options, a ddtional spaces for plaques, option for ash burials under trees, additional attractive gardens in the ash burial area and well designed memorial walls.



83%

OF RESPONDENTS DON'T AGREE WITH SENSITIVELY DESIGNED PLAYSPACES IN CEMETERIES

IMPROVEMENTS THAT RESPONDENTS WOULD LIKE TO SEE

MOST DESIRED IMPROVEMENT

1. **SEATING**
2. **SHADE**
3. **WAYFINDING SIGNAGE AND BLOCK IDENTIFICATION**
4. **ALTERNATIVE OPTIONS TO STANDARD HEADSTONE BURIAL OPTION**
5. **ACCESS TO WATER**
6. **PROVISION OF TOILETS**
7. **CAR PARKING**
8. **CREATION OF CULTURAL LANDSCAPES**
   (features, design and planting that identify significance of the cemetery to mana whenua and mataawaka and which create culturally relevant spaces)
9. **ACCESSIBLE PATHS**
10. **SAFE ACCESS/EGRESS ONTO PUBLIC ROADS**
11. **PLANTING FOR BIODIVERSITY**
12. **PLANTING FOR AMENITY**
13. **INTERNAL ROADING**

LEAST DESIRED IMPROVEMENT

NOTE: ALL PERCENTAGES ON THIS PAGE ARE CALCULATED USING THE NUMBER OF RESPONDENTS FOR EACH QUESTION RATHER THAN THE TOTAL NUMBER OF PEOPLE THAT HAD THEIR SAY

PHASE 6 DRAFT CONCEPT PLANS CONSULTATION AND ENGAGEMENT

[PLACEHOLDER PAGE: Text to be completed following Phase 6 consultation and engagement]

DESIGN PRINCIPLES

CELEBRATE AND ENHANCE THE HISTORICAL, TRADITIONAL AND CULTURAL NARRATIVES AND VALUES

- conservation of historic fabric
- sensitively manage archaeological sites
- interpretation of historical narratives, values and associations
- allow for features that support tikanga
- consider the use of memorial plant species

PROVIDE AN ACCESSIBLE, SAFE, PEACEFUL PLACE TO BE

- relaxation of the senses - sight, sound, smell
- improve passive surveillance opportunities
- reduce antisocial behaviours
- integrate universal design to cater for all age groups
- provide accessible seating, shade and access to water
- improve wayfinding/navigation
- improve vehicular and pedestrian access

EFFICIENTLY USE LAND

- consider interments on steep slopes
- consider additional ash plots in burial sites
- encourage active transport and pedestrian connections to town centres
- consider the site as a whole when preparing new interment areas

ALLOW FOR A DIVERSITY OF INTERMENT OPTIONS

- headstone burial
- natural burial
- lawn ash interment
- ash interment within pre-prepared soil pods (or other similar eco ash interment)
- memorial gardens/ gardens of remembrance
- columbarium niche walls (ash walls)
- memorial wall or garden (plaque only)
- dedicated RSA areas
- future proof cemeteries by setting aside areas for future cemetery interment innovations (following possible central government legislation changes)

INCREASE BIODIVERSITY AND SOIL HEALTH

- increase the use of native species within the cemeteries
- trees for shade
- improve habitats for native birds and invertibrates
- ecosource native plants
- reduce the use of toxins in burial practices by providing alternative options and education
- apply best practice to land management

PLACEMAKING

- enhancing entranceways
- consider 'cemeteries as public spaces'
- sensitively integrate passive recreation
- allow for art integration
- establish specimen trees for future cemetery areas
- provide a gathering area and shelter/structure

IMPROVE OPERATIONAL EFFICIENCY

- provide maintenance storage area/ yard for sextons where required
- improve accessibility to burial sites/ash plots
- ensure funeral directors can easily access sites

INTEGRATE RESILIENT, LOW CARBON DESIGN AND CONSIDER SUSTAINABILITY

- reduce mowing by replacing lawn with native planting
- recycled/reclaimed materials
- locally sourced materials
- minimise chemical use
- native plants that tolerate dry
- reduce water use
- provide on-site storage for vegetation waste and mulch
- flower beds for picking in place of plastic flowers
- manage flooding
- integrate robust design that requires less maintenance or replacement over time
- consider low carbon alternatives e.g. planting instead of fencing boundaries and eco ash interments instead of ash walls/vaults

DRAFT CONCEPT PLANS

The Draft Waipā Cemetery Concept Plans have been created following detailed site analysis alongside extensive stakeholder consultation. Public consultation will ensure any further recommendations or changes to the plans are captured prior to adoption by Waipā District Council.

The draft plans provide long-term plans for each cemetery that can be implemented over time and that responds to:

- changing burial and interment preferences,
- land use and capicity issues at each cemetery,
- an increased desire for improvements to accessibility,
- visitor infrastructure and level of service issues,
- roading changes,
- surrounding residential and industrial intensification,
- climate change and the need for resilient design, and
- consistency in asset and layout design between the 10 cemeteries.

Hautapu Cemetery: pages 19 - 22



Kihikihi Cemetery: pages 23 - 26



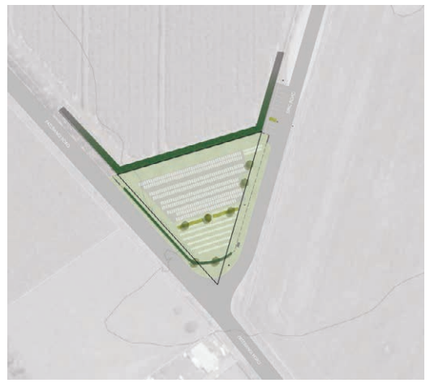
Leamington Cemetery: pages 27 - 30



Ōhaupō Cemetery: pages 31 - 34



Paterangi Cemetery: pages 35 - 38



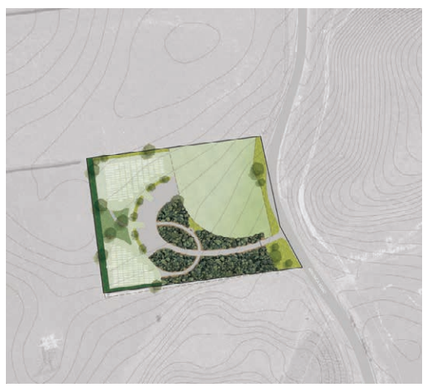
Pirongia Cemetery: pages 39 - 42



Puahue Cemetery: pages 43 - 46



Pukeatua Cemetery: pages 47 - 50



Pukerimu Cemetery: pages 51 - 54



Te Awamutu Cemetery: pages 55 - 58



PROPOSED INTERMENT AND MEMORIAL OPTIONS:

The draft concept plans provide for increased burial and ash interment options that respond to changing environmental and societal trends and reduced land availability. An option for a 'memorial only' plaque or plinth ensures that land is not unnecessarily purchased for a plot that is never used. The following cross-sections[1] explore the 8 proposed options:



HEADSTONE BURIAL (HB)

- interment of body (usually embalmed) and/or cremated ashes in lawn area
- headstone or plaque placed on a concrete strip behind the ash plot
- each plot can hold up to two bodies and four ash interments
- 1500mm depth of grave
- minimum depth of soil cover of 1000mm
- single grave depths are required at some Waipā cemeteries due to the nature of the soil (sand/stones)
- require relatively flat land and can only be achieved on slopes up to 1 in 6 gradient with only minor earthworks



NATURAL BURIAL (NB)

- interment of body in the most natural way possible
- aim to return the burial area to native bush through the planting of native trees and plants
- embalming of the interred is not permitted
- casket or shroud must be of a biodegradable material
- interment of body within the active soil layer with a minimum depth of soil cover of 800mm
- discrete marker and the ability for a tree to be planted in lieu of a headstone or plaque
- natural burial plot geo-tagged and location recorded



LAWN ASH INTERMENT (LA)

- interment of cremated ashes in lawn area
- plaque placed on a concrete strip behind the ash plot
- minimum depth of soil cover of 600mm
- up to two sets of ashes per plot



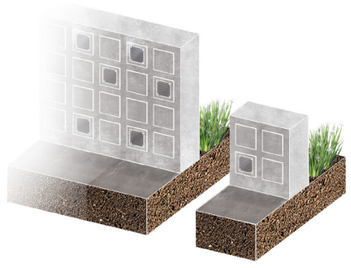
ECO ASH INTERMENT (EA)

- interment of ashes within pre-prepared soil pods (or other similar eco ash interment such as 'Let Your Love Grow' kits)
- placed in designated native restoration area
- low growing vegetation preferred to ensure use of area is maximised and sight lines are maintained
  NOTE: Natural Burial plots scattered throughout eco ash interment areas to ensure some tree cover within low growing planting
- eco ash interment plot geo-tagged and location recorded in council database



MEMORIAL GARDEN/ GARDEN OF REMEMBRANCE (GA)

- interment of cremated ashes in the lawn area
- plaque on a low wall or concrete strip around the garden behind the ash plot
- minimum depth of soil cover of 600mm
- up to two sets of ashes per plot



COLUMBARIUM NICHE WALL (WA) (WL) (ASH WALL)

- an above-ground wall with a series of individual niches
- cremated ashes are placed inside niche and then sealed by a memorial plaque
- dedicated RSA wall of remembrance (ash wall) at Te Awamutu Cemetery
- low (under 1.2m) walls can be built where sight-lines need to be maintained



MEMORIAL GARDEN (PLAQUE ONLY) (MG)

- plaque (individual name) or sculpture/sign (multiple names) set around or within a garden bed in memory of the deceased
- allows for memorial without interment of body or ashes (deceassed may be interred in another cemetery, city or country or cremated ashes kept at home)



MEMORIAL PLINTH (PLAQUE OR NAME ONLY) (MP)

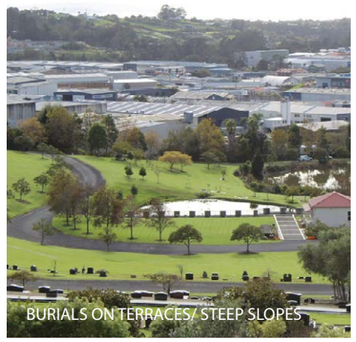
- plaque or list of names engraved on a plinth or sculpture in memory of the deceased
- potential for dedicated RSA memorial plinth at Hautapu and Te Awamutu Cemeteries

1 Interment and memorial option vignettes based on the graphic representation style by Logan Drummond.
Drummond, L. (2021). Ecological experience in Aotearoa's Deathscapes [Thesis]

CEMETERY DESIGN CASE STUDIES:

Densification and land availability, climate change, technological advances and our increasingly diverse and progressive society are shaping the way we re-imagine the public cemetery. The following cemetery and memorial design case studies provide a glimpse into achievable design outcomes for Waipā.

Auckland Memorial Park, Auckland


BURIALS ON TERRACES/ STEEP SLOPES


ANNUAL GATHERING OF FAMILIES TO HARVEST OLIVES

Memorial Park Cemetery, Kansas (USA)


COLUMBARIUM NICHE WALL (ASH WALL) SET INTO LANDSCAPE

Hospice - Mid-Northland (NZ)



MEMORIAL KOWHAI WALL

Bunurong Memorial Park, Melbourne



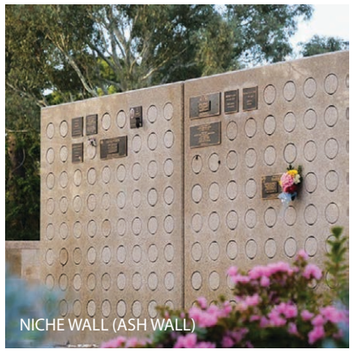
WALL OF HONOUR - NICHE WALL (ASH WALL)


CREMATION MEMORIAL GARDENS


MATILDA'S GARDEN - CREMATION MEMORIAL


REFLECTION SPACE


BANJO'S GARDEN - CREMATION MEMORIAL


NICHE WALL (ASH WALL)

Waikumete Cemetery, Auckland


WILDFLOWERS IN EARLY CEMETERY AREA


NATURAL BURIAL AREA SHELTER


NATURAL BURIAL AREA


NATURAL BURIAL AREA KORU LAWN


MEMORIAL PLINTH


DECIDUOUS SPECIMEN TREES

HAUTAPU CEMETERY

TYPE **Urban Cemetery**

AREA **4.69 hectares**
(1.05 hectares suitable for future use)

NO. **64 interments per year** on average
(67% body burials, 33% ash interments)

Hautapu Cemetery (Part Allotment 188 Hautapu Parish) is held as local purpose (cemetery) reserve' under the Reserves Act 1977[1]. Located at the main northern entrance to Cambridge along Victoria Road, the cemetery is surrounded by industrial zoned land, including the C8 Growth Cell and the C10 (Bardowie) Growth Cell.

Development of this land has triggered significant roading changes leading to the closure of the vehicle access from Victoria Road and the repurposing of the northern portion of the cemetery.

The cemetery is currently one of the main places for burials in Waipā; averaging approximately 64 interments per year over the last twelve years. It has lawn burial plots, lawn memorial ash berms, a garden of remembrance, and a designated RSA NZ area.

Approximately two thirds of the cemetery's 4.69 hectares has been used and 1.25 hectares required for roading. Based on current burial trends, options and projections, the Waipā Cemeteries Capacity Study 2020 estimated that the remaining space allows for an additional 1,367 body burials.



1 **internal road**



2 **sextons shed and toilets**



3 **RSA lawn and memorial**

1 New Zeland Gazette 1875 p 243



HAUTAPU CEMETERY PLANNING CONSIDERATIONS

OPERATIVE WAIPĀ DISTRICT PLAN ZONING:



- RESERVE ZONE
- INDUSTRIAL ZONE/ SPECIALISED INDUSTRIAL ZONE
- RURAL ZONE (EXCLUDING ROAD RESERVES)
- URBAN LIMITS

ENVIRONMENT AND PLANNING MAP:

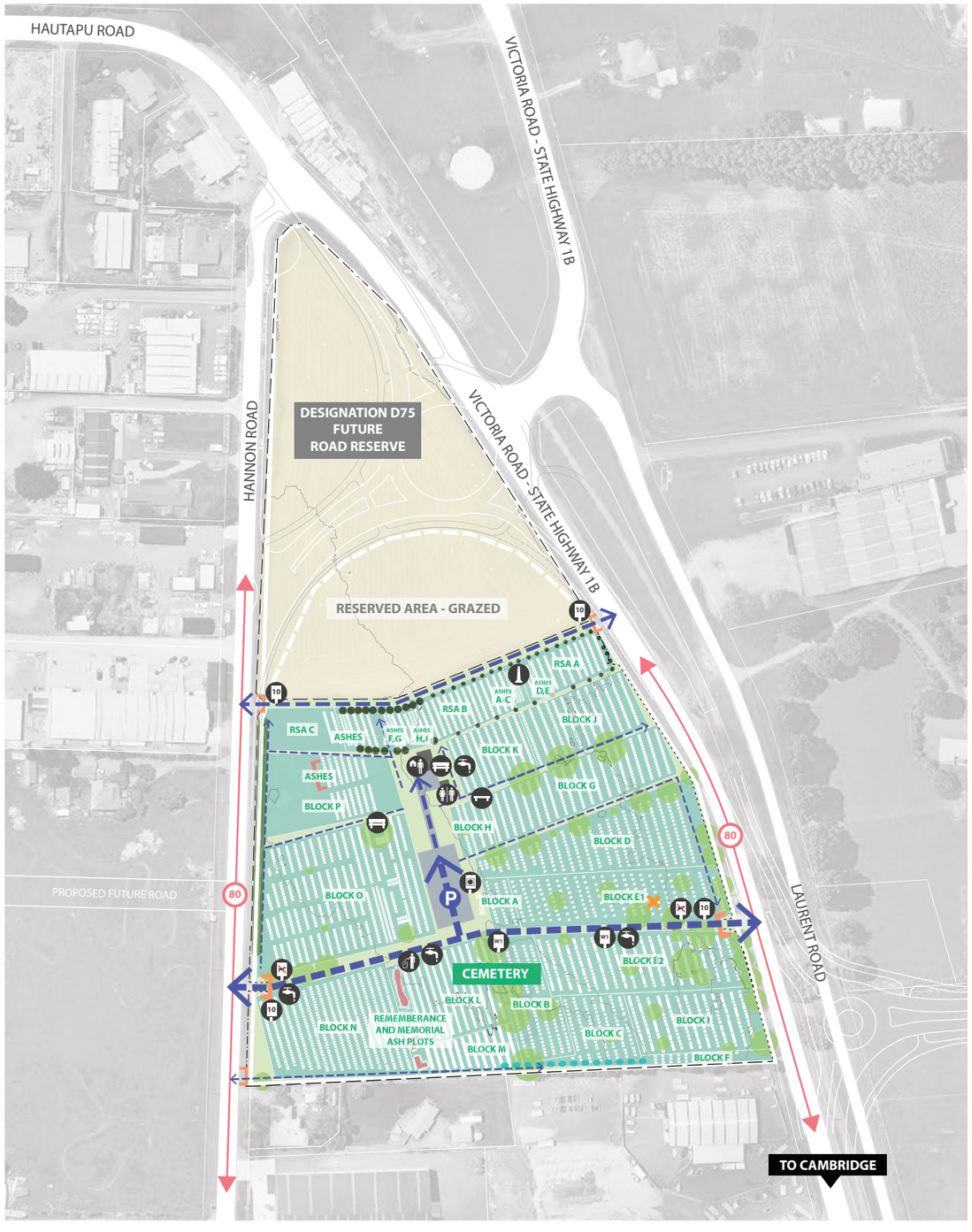


- SITE - DESIGNATION D75 - INTERMENT & REMEMBRANCE OF THE DEAD
- HAIL SITE (HAZARDOUS ACTIVITIES AND INDUSTRIES LIST)
- DESIGNATIONS
  D2 - OPERATION, MAINTENANCE AND IMPROVEMENT OF EXISTING RAILWAY
  D20 - EXPRESSWAY – CAMBRIDGE BYPASS
  D115 - WATER SUPPLY RESERVOIR - STORAGE, TREATMENT AND PUMPING OF WATER FOR PUBLIC WATER SUPPLY
- FUTURE INDUSTRIAL (STRUCTURE PLAN AREA)
- FUTURE ROAD REALIGNMENTS
- ARCHAEOLOGICAL SITE - NZAA ID - S15/770 - HAUTAPU CEMETERY PRE 1900 BURIALS (THE EARLIEST DEATH RECORDED ON A GRAVESTONE WAS DOUGALD FISHER IN 1859)

HAUTAPU CEMETERY EXISTING SITE FEATURES

Key focus areas for this cemetery are:

- extending capacity through careful design and improving the ash interment options,
- enhancing and extending the RSA NZ designated area,
- working with Council's Transport team and Waka Kotahi to mitigate the effects of the adjoining roads and industrial land uses,
- enhancing the amenity and facilities for cemetery visitors, for example installing seating with shade and designated mobility car parks,
- creating a main entrance and improving vehicle and pedestrian access to and circulation through the cemetery,
- creating a well-located and screened maintenance depot, and
- addressing surface flooding effects.



LEGEND - EXISTING SITE FEATURES:

- SITE BOUNDARY
- 1 METRE CONTOURS
- CEMETERY ENTRANCE PICKET FENCE
- POST AND RAIL OR CHAIN FENCE
- BOUNDARY FENCES /STOCK FENCES
- 80KM/HR SPEED LIMIT
- FLOOD PRONE AREA
- NZAA ARCHAEOLOGICAL SITE

EXISTING SITE USE:

- CEMETERY BLOCKS AND PLOTS
- RESERVED AREA - GRAZED
- GRASSED OPEN SPACE

VEHICLE AND PEDESTRIAN CIRCULATION:

- VEHICLE PARKING (ON-ROAD ONLY)
- MAJOR ENTRANCE (WITH GATE)
- MINOR ENTRANCE (WITH GATE)
- PUBLIC VEHICLE AND PEDESTRIAN ROUTE
- SERVICE VEHICLE AND PEDESTRIAN ROUTE
- PEDESTRIAN ROUTE (GRASS TRACK)

VEGETATION:

- MATURE TREES
- HEDGE / LOW GROWING VEGETATION
- SPECIMEN CONIFERS
- GARDEN BED

FURNITURE/ CEMETERY ASSETS:

- RSA MEMORIAL
- SEXTONS SHED AND YARD/ STOCKPILE
- TOILETS
- SEAT
- BENCH SEAT
- RUBBISH BIN
- FRESH WATER TAP

SIGNAGE:

- 10KM/HR SPEED LIMIT SIGN
- NO DOGS SIGN
- CEMETERY MAP SIGN
- WAYFINDING SIGN (CEMETERY BLOCK SIGN)

N

SCALE 1:2500 @ A3

0 20 40 60m

HAUTAPU CEMETERY DRAFT CONCEPT PLAN



PROPOSED INTERMENT OPTIONS

- HB headstone burial area
- LA lawn ash interment area
- GA memorial garden/ garden of remembrance
- WA columbarium niche wall (ash wall)
- WL low (under 1.2m) columbarium niche wall (ash)
- MG memorial garden (plaque only)
- MP memorial plinth (plaque or name only)
- RSA dedicated RSA area (plaque only burial/ ash interment)

PLAN LEGEND

1. improve entrance including gates, widening internal road, water provision and hedge planting
2. improve and extend carpark to provide 50no. spaces (including 4no. accessible spaces) and improve stormwater drainage.
3. investigate possible pedestrian footpath connection
4. provide a central gathering area including shade/ shelter structure, cemetery wayfinding map, flower picking garden, seating, water tap and bin
5. existing sexton's shed to be screened with hedging investigate minor relocation of toilet
6. opportunity for new maintenance vehicle, hearse and emergency vehicle access roads
7. sexton's yard/ soil stockpile
8. vehicle and pedestrian entrance to be closed (cycle access only)
9. provide screen planting/hedging
10. Investigate lighting of flagpole at existing RSA memorial
11. 2m high x 6m wide earth bund with native planting to reduce vehicle noise from intersection. Check any potential sight distance effects for road users during the next stage of concept development.
12. investigate opportunity for pedestrian and cycle access and maintain viewshafts from road to existing RSA memorial with low growing colourful planting
13. investigate surface flooding along boundary and explore mitigation options
14. maintenance vehicle access only
15. new RSA gathering area and seating, including power for events, flower garden, water tap and bin

- removal of 50x trees at end of life or when required (new replacement planting on southern side of RSA area only)
- provide additional seating for amenity throughout the cemetery
- provide additional tree planting for shade throughout the cemetery
- low-growing planting
- low-growing hedge planting
- garden beds
- 1m contours
- site boundary
- archaeological site

KIHIKIHI CEMETERY

TYPE **Urban Cemetery**

AREA **2.44 hectares**
(1.29 hectares suitable for future use)

NO. **5 interments per year** on average
(97% body burials, 3% ash interments)

Kihikihi Cemetery (Allotment 256-260 Town of Kihikihi) is held as local purpose (cemetery) reserve under the Reserves Act 1977[1].

Located towards the south-east of the Kihikihi town centre, the cemetery which is accessed from Oliver Street is across the road from Kihikihi School. It has developed residential zoned land adjoining the east, north and west boundaries. To the south there is an unformed legal road and rural land beyond that. The cemetery has lawn burial plots and lawn memorial ash berms.

Kihikihi Cemetery has averaged 5 interments per year over the last twelve years. Approximately a quarter of the 2.44 hectares of the cemetery has been used. Based on current burial trends, options and projections, the Waipā Cemeteries Capacity Study 2020 estimated that the remaining space allows for an additional 1,718 body burials. Being only a ten-minute drive from Te Awamutu and having more than 1.2 hectares suitable for interments, the cemetery is an alternative option for Te Awamutu residents.



1 **cemetery entrance**



2 **older cemetery plots**



3 **recent cemetery plots**



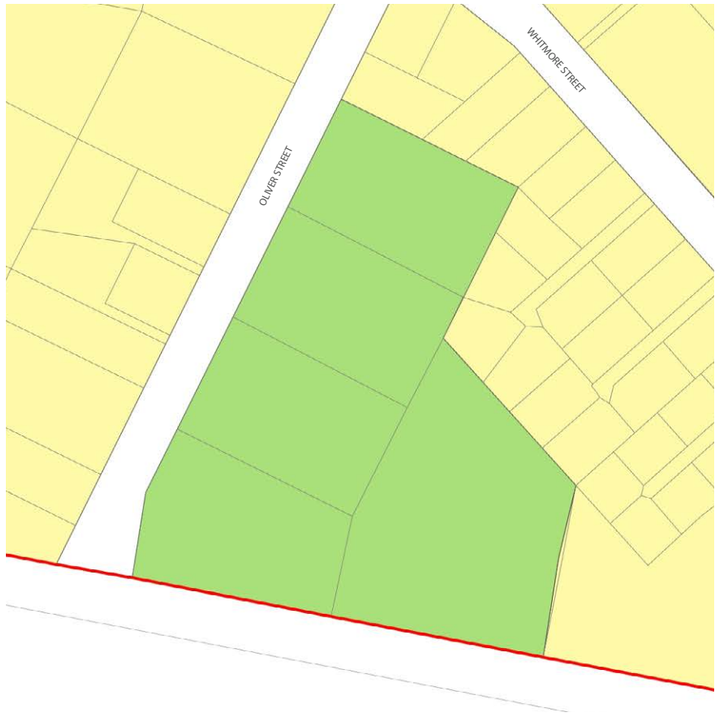
4 **view from cemetery plots to grazed land**

1 New Zeland Gazette 1982 p 1451



KIHIKIHI CEMETERY PLANNING CONSIDERATIONS

OPERATIVE WAIPĀ DISTRICT PLAN ZONING:



- RESERVE ZONE
- RESIDENTIAL ZONE
- RURAL ZONE (EXCLUDING ROAD RESERVES)
- URBAN LIMITS

ENVIRONMENT AND PLANNING MAP:

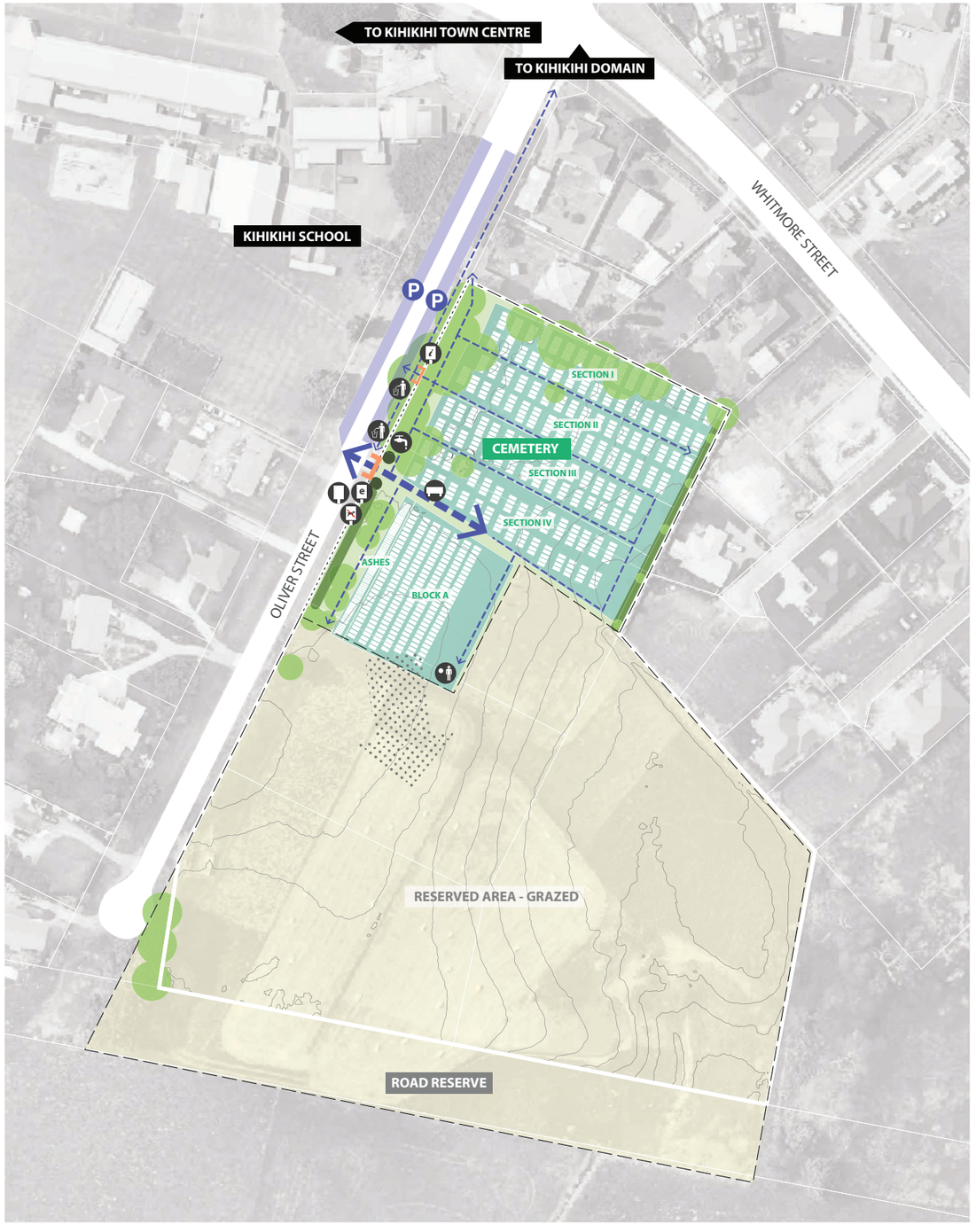


- SITE - DESIGNATION D73 - INTERMENT & REMEMBRANCE OF THE DEAD
- HAIL SITE (HAZARDOUS ACTIVITIES AND INDUSTRIES LIST)
- DESIGNATION D32 - EDUCATION PURPOSES (KIHIKIHI SCHOOL)
- URBAN FLOOD MODELLING - EXISTING
- URBAN FLOOD MODELLING - FUTURE CLIMATE CHANGE

KIHIKIHI CEMETERY EXISTING SITE FEATURES

Key focus areas for this cemetery are:

- extending capacity through careful design and improving the ash interment options,
- enhancing the amenity and facilities for cemetery visitors through for example landscaping and the provision of a toilet and seating,
- retiring and planting wet areas and planting specimen trees for shade,
- improving vehicle and pedestrian access to and through the cemetery and providing car parks,
- working with Council's transport team to enhance Oliver Street, and
- enhancing passive surveillance of the cemetery and the main entrance.



LEGEND - EXISTING SITE FEATURES:

- SITE BOUNDARY
- 1 METRE CONTOURS
- CEMETERY ENTRANCE PICKET FENCE
- BOUNDARY FENCES /STOCK FENCES
- VIEWSHAFT TO RURAL LAND

EXISTING SITE USE:

- CEMETERY BLOCKS AND PLOTS
- RESERVED AREA - GRAZED
- GRASSED OPEN SPACE

VEHICLE AND PEDESTRIAN CIRCULATION:

- VEHICLE PARKING (ON-ROAD ONLY)
- MAJOR ENTRANCE (WITH GATE)
- MINOR ENTRANCE (WITH GATE)
- SERVICE VEHICLE AND PEDESTRIAN ROUTE
- PEDESTRIAN ROUTE (GRASS TRACK)

VEGETATION:

- MATURE TREES
- HEDGE / LOW GROWING VEGETATION
- SPECIMEN CONIFERS

FURNITURE/ CEMETERY ASSETS:

- SEAT
- RUBBISH BIN
- FRESH WATER TAP
- SEXTONS YARD/ STOCKPILE

SIGNAGE:

- ENTRANCE SIGN
- INTERPRETIVE SIGN
- REGULATORY SIGN - NO GLASS
- NO DOGS SIGN

N

SCALE 1:1500 @ A3

0 20 40 60m

KIHIKIHI CEMETERY DRAFT CONCEPT PLAN



PROPOSED INTERMENT OPTIONS

- HB headstone burial area
- NB natural burial area
- LA lawn ash interment area
- EA eco ash interment area
- GA memorial garden/ garden of remembrance
- WA columbarium niche wall (ash wall)
- MG memorial garden (plaque only)

PLAN LEGEND

1. improve entrance including new gates, boundary fencing and selective pruning of existing hedge to improve sightlines. Gates to open only when burials/interments are taking place
2. investigate feasibility of one-way internal road
3. investigate provision of new carpark with 30no. spaces (including 4no. accessible spaces)
4. provide pedestrian footpath connection from entrance to central gathering area
5. provide a central gathering area including shade/ shelter structure, cemetery wayfinding map, flower picking garden, seating, water tap and bin
6. stairs
7. 1:12 accessible pedestrian ramp
8. new toilets
9. investigate opportunity for low retaining wall or sloped garden to allow for level carparking
10. opportunity for new maintenance vehicle, hearse and emergency vehicle access road
11. sexton's yard/ soil stockpile
12. maintenance vehicle access only
13. provide screen planting/hedging
14. sexton's yard/ soil stockpile
15. investigate feasibility of vehicle egress through or around stand of mature trees
16. revegetation of steep slopes and riparian areas (no burials or ash interments)
17. future parking provision along Oliver Street to be investigated by transport team

- removal of conifers at entrance at end of life - replace with alternative species
- provide additional seating for amenity throughout the cemetery
- provide additional tree planting for shade throughout the cemetery
- low-growing planting
- low-growing hedge planting
- garden beds
- natural burial planting areas
- 1m contours
- site boundary

LEAMINGTON CEMETERY

TYPE **Urban Cemetery**

AREA **2.85 hectares**
(1.62 hectares suitable for future use)

NO. **32 interments per year** on average
(51% body burials, 49% ash interments)

Leamington Cemetery (Part Allotment 54 Cambridge Town Belt and Section 55 Cambridge West Town Belt) is held as local purpose (cemetery) reserve under the Reserves Act 1977.

Located to the north-east of Leamington, the cemetery forms part of the Cambridge Town Belt which connects through to the Waikato River to the north and the Leamington dog park, community garden and Leamington Sports Park to the south. A walking track along the eastern boundary of the cemetery connects through to Addison Kinsley Reserve and is highly used by the community as part of a larger walking circuit. The cemetery has an un-named stream along its western boundary that flows to the Waikato River and a significant natural area (SNA WP375) containing elements of under-represented kahikatea forest that provides habitat to pekapeka-tou-roa/long tailed bats, ruru/moreporks and kākā to the north.

The cemetery is currently one of the main places for burials in Waipā; averaging 32 interments per year over the last twelve years. It has lawn burial plots, lawn memorial ash berms, a garden of remembrance, and a designated natural burial area. With only slightly more than a quarter of the 2.85 hectares of the cemetery used, the cemetery provides good medium-term capacity for Cambridge. Based on current burial trends, options and projections, the Waipā Cemeteries Capacity Study 2020 estimated that the remaining 1.6 hectares allows for an additional 1,944 body burials.



1 **cemetery entrance**



2 **natural burials area**



3 **burial plots**



4 **ash plot memorial gardens**



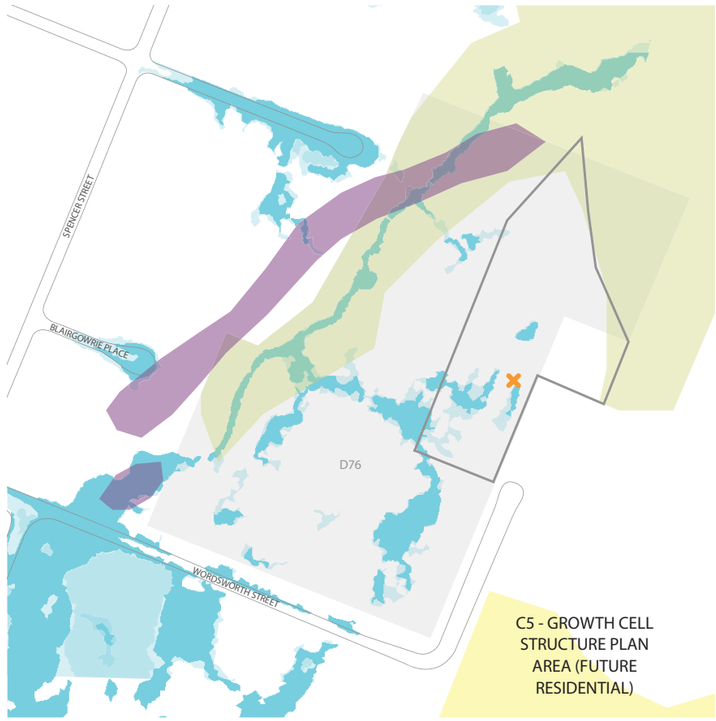
LEAMINGTON CEMETERY PLANNING CONSIDERATIONS

OPERATIVE WAIPĀ DISTRICT PLAN ZONING:



- RESERVE ZONE
- RESIDENTIAL ZONE
- RURAL ZONE (EXCLUDING ROAD RESERVES)
- URBAN LIMITS

ENVIRONMENT AND PLANNING MAP:

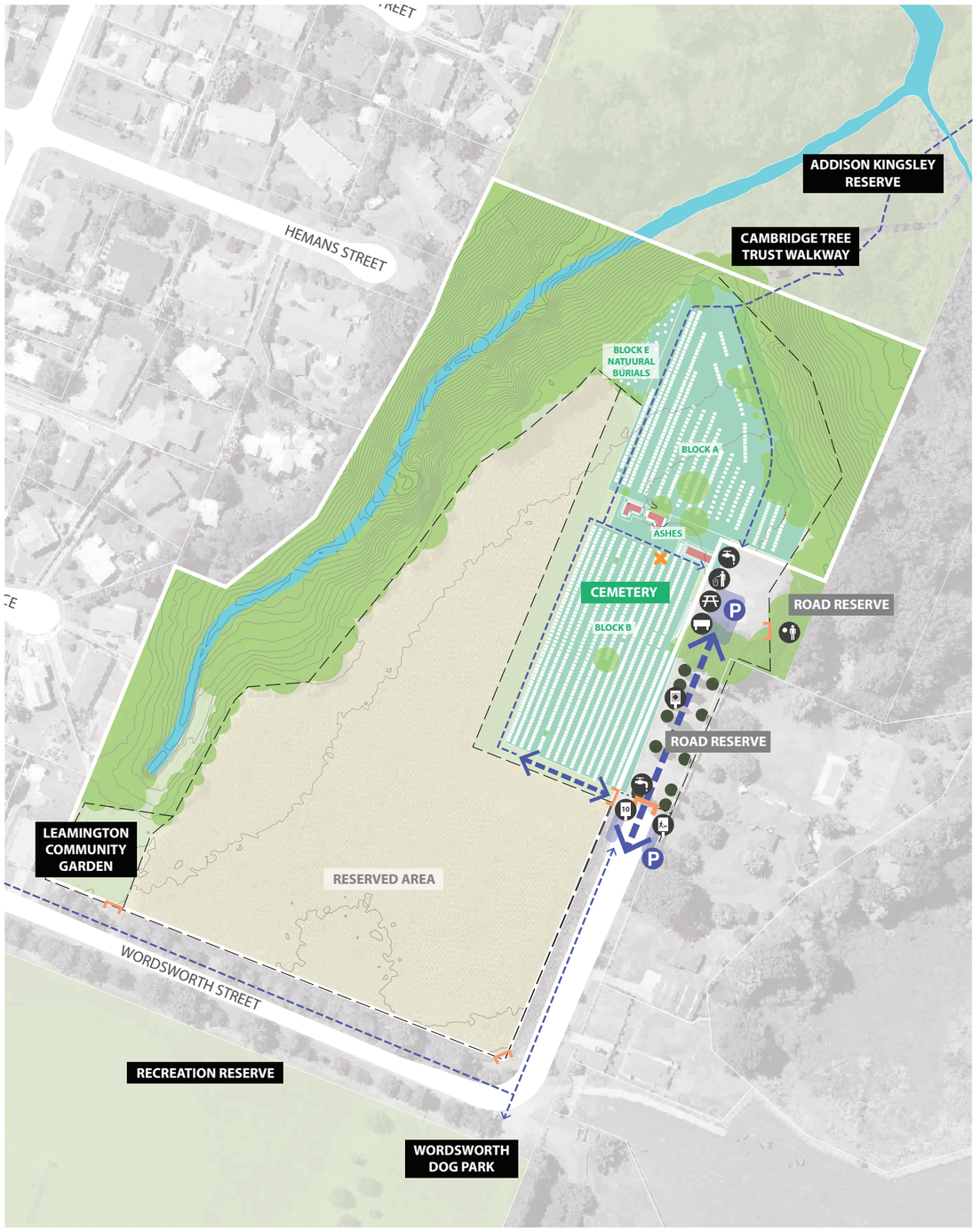


- SITE - DESIGNATION D76 - INTERMENT & REMEMBRANCE OF THE DEAD
- HAIL SITE (HAZARDOUS ACTIVITIES AND INDUSTRIES LIST)
- URBAN FLOOD MODELLING - EXISTING
- URBAN FLOOD MODELLING - FUTURE CLIMATE CHANGE
- SIGNIFICANT FEATURE - HAZARD - POOR SOAKAGE
- SIGNIFICANT NATURAL AREA (WP375)
- C5 GROWTH CELL STRUCTURE PLAN AREA (FUTURE RESEDENTIAL)
- ARCHAEOLOGICAL SITE - NZAA ID - S15/686 - MAORI HORTICULTURE (BORROW PIT)

LEAMINGTON CEMETERY EXISTING SITE FEATURES

Key focus areas for this cemetery are:

- extending capacity through careful design and improving the ash interment options,
- extending the natural burial area,
- enhancing the amenity and facilities for cemetery visitors, for example the provision of a public toilet, running water, and seating with shade,
- retiring and planting riparian areas and ensuring future planting contributes to the adjoining significant natural area,
- providing formed car parks both within the reserve and road corridors,
- improving pedestrian access to and through the cemetery,
- creating a well-located and screened maintenance depot, and
- retaining passive surveillance of the cemetery.



LEGEND - EXISTING SITE FEATURES MAP:

- SITE BOUNDARY
- 1 METRE CONTOURS
- CEMETERY ENTRANCE PICKET FENCE
- BOUNDARY FENCES /STOCK FENCES
- TOWN BELT (INCLUDES SITE)
- NZAA ARCHAEOLOGICAL SITE

EXISTING SITE USE:

- CEMETERY BLOCKS AND PLOTS
- RESERVED AREA - GRAZED (?)
- GRASSED OPEN SPACE

VEHICLE AND PEDESTRIAN CIRCULATION:

- VEHICLE PARKING
- MAJOR ENTRANCE (WITH GATE)
- MINOR SERVICE ENTRANCE (WITH GATE)
- VEHICLE AND PEDESTRIAN ROUTE
- SERVICE VEHICLE AND PEDESTRIAN ROUTE
- PEDESTRIAN ROUTE (GRASS TRACK)

VEGETATION:

- MATURE TREES
- HEDGE / LOW GROWING VEGETATION
- SPECIMEN CONIFERS
- GARDEN BED

FURNITURE/ CEMETERY ASSETS:

- PICNIC TABLE
- SEAT
- RUBBISH BIN
- FRESH WATER TAP
- SEXTONS YARD/ STOCKPILE

SIGNAGE:

- DOGS-ON-LEASH SIGN
- CEMETERY MAP SIGN
- 10KM/HR SPEED LIMIT SIGN

N

SCALE 1:2000 @ A3

0 20 40 60m

LEAMINGTON CEMETERY
DRAFT CONCEPT PLAN



PROPOSED INTERMENT OPTIONS

- HB headstone burial area
- NB natural burial area
- LA lawn ash interment area
- EA eco ash interment area
- GA memorial garden/ garden of remembrance
- WA columbarium niche wall (ash wall)
- MG memorial garden (plaque only)

PLAN LEGEND

1. new, re-aligned entrance including vehicle and pedestrian gates, water tap and planting
2. investigate provision of new carpark with 30no. spaces (including 4no. accessible spaces)
3. provide a central gathering area including shade/ shelter structure, cemetery wayfinding map, flower picking garden, seating, water tap and bin
4. footpath connection and low-growing planting between dog park and new toilets
5. investigate future location of proposed toilets
6. new pedestrian path to connect to former access road (former access road to be gated for use by maintenance and hearse vehicles only)
7. screened sexton's yard/ soil stockpile
8. investigate possible path connection to Cambridge Tree Trust Walkway
9. new cemetery loop path
10. undertake native revegetation of riparian area (20 metre riparian margin between stream and burial areas)
11. Leamington Community Garden (existing)
12. maintain maintenance vehicle access to gabion walls within riparian area
13. investigate pedestrian access to Wordsworth Street
14. future parking provision along Wordsworth Street to be investigated by Transport Team in parallel with planned future residential subdivision
15. investigate maintenance vehicle access from Wordsworth Street
16. Wordsworth dog park
17. investigate opportunities to improve riparian area and stormwater flows

- provide additional seating for amenity throughout the cemetery
- provide additional tree planting for shade throughout the cemetery
- low-growing planting
- hedge planting
- garden beds
- natural burial planting areas
- eco ash interment planting areas
- 1m contours
- site boundary
- archaeological site

N

SCALE 1:1250 @ A3

0 20 40 60

ŌHAUPŌ CEMETERY

TYPE **Village Cemetery**

AREA **3.15 hectares**
(0.64 hectares suitable for future use)

NO. **3 interments per year** on average
(70% body burials, 30% ash interments)

Ōhaupō Cemetery (Section 1 Survey Office Plan 57522) is held as local purpose (cemetery) reserve under the Reserves Act 1977.

Located to the north of Ōhaupō village next to Ōhaupō School, the cemetery has vehicle access from State Highway 3 (SH3); with unformed car parking currently available on adjoining Waka Kotahi land. The access and egress of a high volume and relatively high-speed road is an issue. Pedestrian access is via a footpath along the eastern side of SH3 and an underpass by the school. The north-eastern corner of the reserve has a water reservoir that is planned to be upgraded in the future and a paper road runs along the eastern boundary connecting to SH3 to the north and south.

The cemetery contains a redoubt (NZAA S15/11) associated with the British Military and the Land Wars of the 1860s. It was constructed in 1864 that is rectangular in shape at the crest of the hill. The external ditches of the redoubt are approximately 0.5m deep and still clearly visible. A geodatum point (trig) marks the highest point of the hill.

There is evidence that area where the redoubt is located may have previously been the site of a historic pa. There is another recorded pa site (NZAA S15/97) on the other side of SH3. For mana whenua, the cemetery and wider surrounds are significant. Further engagement is required to understand the values and aspirations for the cemetery land. The cemetery currently only offers lawn burial plots.

Ōhaupō Cemetery has averaged 3 interments per year over the last twelve years. While the reserve appears to have a significant amount of available land, much of it is unusable because of topography, archaeological features, cultural values, hydrology, and future reservoir upgrade requirements. There is an estimated 0.7 hectares of usable land. Based on current burial trends, options and projections, the Waipā Cemeteries Capacity Study 2020 estimated that the remaining useable land allows for an additional 1,060 body burials.



1 **main entrance**



2 **cemetery plots and formed path**



3 **view of Mt Pirongia from trig point**



ŌHAUPŌ CEMETERY PLANNING CONSIDERATIONS

OPERATIVE WAIPĀ DISTRICT PLAN ZONING:



- RESERVE ZONE
- RURAL ZONE (EXCLUDING ROAD RESERVES)

ENVIRONMENT AND PLANNING MAP:

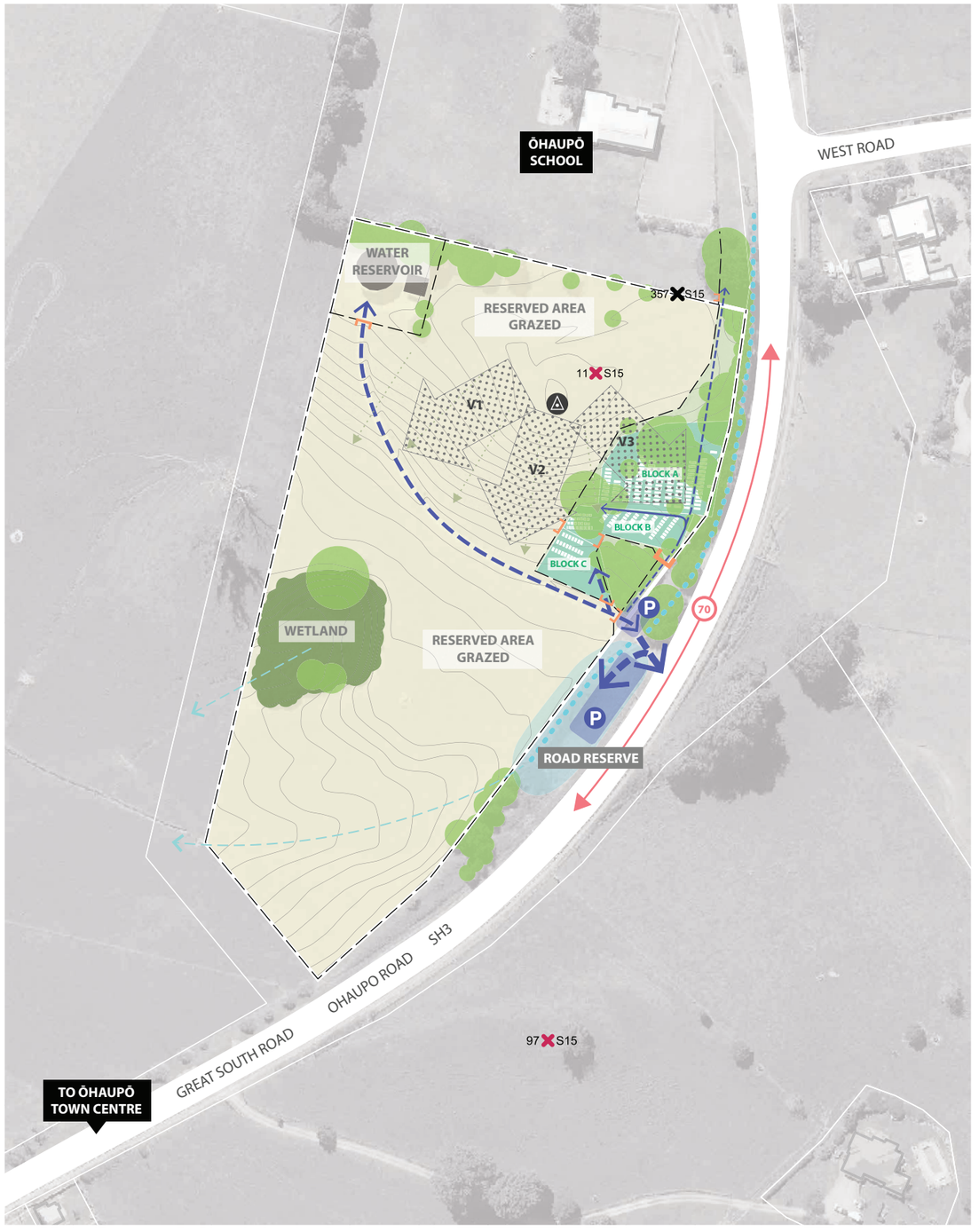


- SITE - DESIGNATION D27 - INTERMENT & REMEMBRANCE OF THE DEAD
- HAIL SITE (HAZARDOUS ACTIVITIES AND INDUSTRIES LIST)
- LANDSCAPE NATURAL CHARACTER AREA - VIEW SHAFT AND SH3 SCENIC CORRIDOR
- DESIGNATIONS
  D112 - WATER SUPPLY RESERVOIR (STORAGE, TREATMENT AND PUMPING OF WATER FOR PUBLIC WATER SUPPLY)
  D37 - MAINTENANCE AND IMPROVEMENT OF EXISTING SH'S
  D6 - EDUCATION (ŌHAUPŌ SCHOOL)
- UNFORMED ROAD
- AIRPORT - CONICAL SURFACE AND HORIZONTAL SURFACE
- HERITAGE - ARCHAEOLOGICAL SITE (RELIABILITY 1)
  97 - ŌHAUPŌ - PĀ
  11 - ŌHAUPŌ - REDOUBT
- HERITAGE - HERITAGE POINT - ARCHAEOLOGICAL SITE
  357 - ŌHAUPŌ - GUNFIGHTER PĀ

ŌHAUPŌ CEMETERY EXISTING SITE FEATURES

Key focus areas for this cemetery are:

- working with Waka Kotahi to create safe vehicle access and egress to a formed car park and improved pedestrian access to and through the cemetery,
- working in partnership with mana whenua to protect, restore and share the cultural values associated with the reserve and wider area extending capacity through careful design and improving the ash interment options,
- enhancing the amenity and facilities for cemetery visitors, for example planting that mitigates the effects of SH3, and
- retiring and planting wetland areas in partnership with mana whenua and the Ōhaupō School,
- provide for future extension of the water reservoir and ongoing service access.



LEGEND - EXISTING SITE FEATURES MAP:

- SITE BOUNDARY
- 1 METRE CONTOURS
- BOUNDARY FENCES /STOCK FENCES
- ROADSIDE SWALE AND FLOOD AREA
- INDICATIVE STORMWATER OVERLAND FLOW PATH
- TRIGONOMETRICAL POINT
- ARCHAEOLOGICAL SITE
- VIEWSHAFTS (V1 = MT PIRONGIA, V2 = MT KAKEPUKU, V3 = MAUNGATAUTARI)
- 70KM/HR SPEED LIMIT

EXISTING SITE USE:

- CEMETERY BLOCKS AND PLOTS
- RESERVED AREA - GRAZED
- GRASSED OPEN SPACE

VEHICLE AND PEDESTRIAN CIRCULATION:

- VEHICLE PARKING
- MAIN ENTRANCE GATE
- MINOR SERVICE ENTRANCE/ STOCK GATE
- PEDESTRIAN GATE
- VEHICLE ROUTE
- SERVICE VEHICLE ROUTE
- PEDESTRIAN ROUTE (CONCRETE PATH)
- PEDESTRIAN ROUTE (GRASS TRACK)

VEGETATION:

- MATURE TREES
- LOW GROWING VEGETATION

N

SCALE 1:2000 @ A3

0 20 40 60m

ŌHAUPŌ CEMETERY DRAFT CONCEPT PLAN



PROPOSED INTERMENT OPTIONS

- HB headstone burial area
- NB natural burial area
- LA lawn ash interment area
- GA memorial garden/ garden of remembrance
- MG memorial garden (plaque only)

PLAN LEGEND

1. close existing road access to cemetery
2. future access road to cemetery and reservoir to be investigated by Transport Team
3. investigate feasibility of new internal access to cemetery and reservoir including vehicle and pedestrian gates, water tap and planting
4. investigate provision of new carpark with 30no. spaces (including 3no. accessible spaces)
5. provide a central gathering area including cemetery wayfinding map, flower picking garden, seating, water tap and bin
6. retain existing reservoir access road to provide service vehicle and pedestrian access to existing cemetery area
7. undertake native revegetation of riparian/ boggy area
8. undertake low-growing native revegetation of road-side swale to maintain viewshafts into site
9. undertake low-growing native revegetation of steep slopes and road margin in consultation with Waka Kotahi
10. undertake additonal native revegetation around existing wetland and undertake pest plant control
11. investigate opportunity to provide a formalised boardwalk through wetland to connect to natural burial area path
12. install gate on existing access road to reservoir and existing cemetery area
13. investigate feasibility of retiring steep slopes from stock grazing and undertake low-growing native revegetation
14. consider retiring archaeological site (redoubt) from stock grazing to prevent further damage

- provide additional seating for amenity throughout the cemetery
- provide additional tree planting for shade throughout the cemetery
- low-growing planting
- garden beds
- natural burial planting areas
- riparian/wetland areas
- stormwater overland flow path (indicative)
- trigonometrical point
- 1m contours
- site boundary
- archaeological site

PATERANGI CEMETERY

TYPE **Rural Cemetery**

AREA **0.36 hectares**
(0.07 hectares suitable for future use)

NO. **3 interments per year** on average
(57% body burials, 43% ash interments)

Paterangi Cemetery (Allotment 392 Ngaroto Parish) is held as local purpose (cemetery) reserve under the Reserves Act 1977[1].

Located 2.8km south-east of the small Paterangi settlement and 7.5km north-west of Te Awamutu, this small, rural cemetery is on the corner of the Paterangi Road and Sing Road intersection. The cemetery has amenity and access challenges associated with the adjoining open speed limit roads and is quite exposed. The surrounding land is zoned rural and there is a Waipā District Plan viewshaft overlay (99) from the cemetery to Mount Pirongia/ Pirongia-o-Te Aroaro-ō-Kahu.

The cemetery has lawn burial plots and lawn memorial ash berms. Paterangi Cemetery has averaged 3 interments per year over the last twelve years. Approximately half of the 3035m2 reserve has been used. Based on current burial trends, options and projections, the Waipā Cemeteries Capacity Study 2020 estimated that the remaining useable land allows for an additional 134 body burials.



1 **main cemetery entrance**



2 **secondary cemetery entrance**



3 **burial plots**



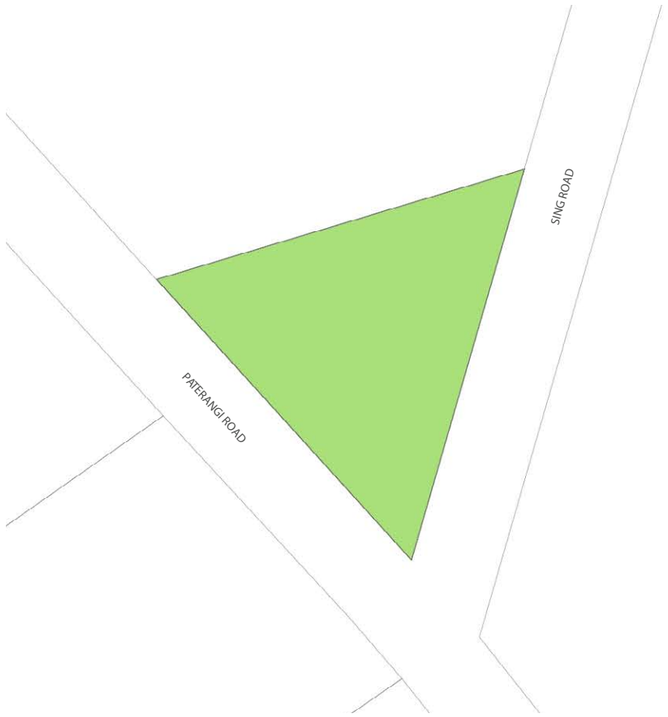
4 **view towards Mt Pirongia**

1 New Zeland Gazette 1982 p 1451



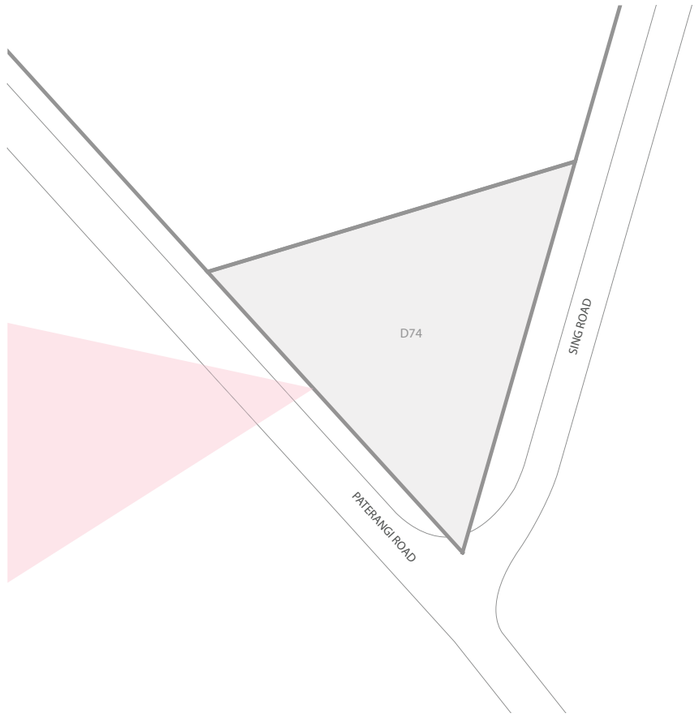
PATERANGI CEMETERY PLANNING CONSIDERATIONS

OPERATIVE WAIPĀ DISTRICT PLAN ZONING:



- RESERVE ZONE
- RURAL ZONE (EXCLUDING ROAD RESERVES)

ENVIRONMENT AND PLANNING MAP:

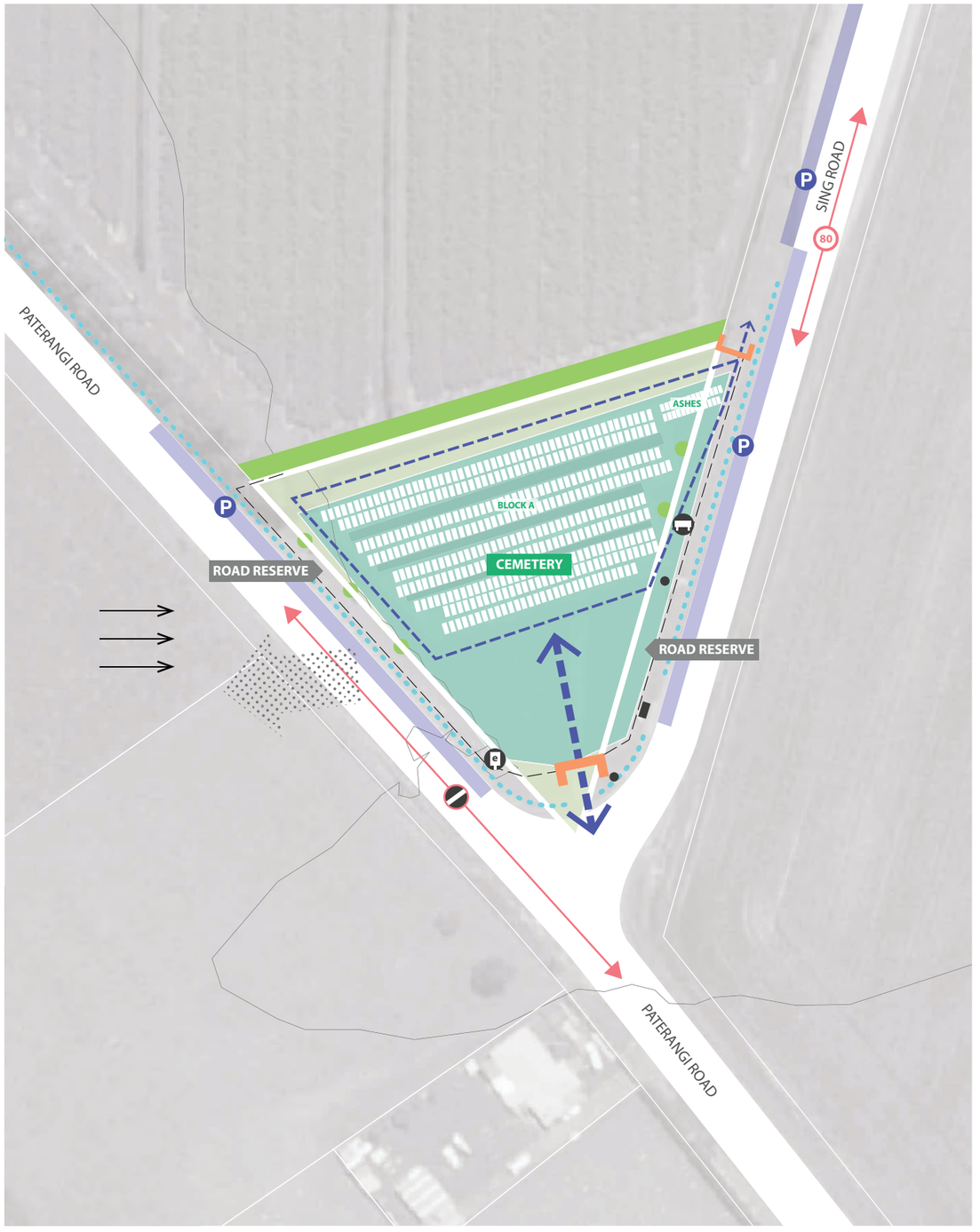


- SITE - DESIGNATION D74 - INTERMENT & REMEMBRANCE OF THE DEAD
- HAIL SITE (HAZARDOUS ACTIVITIES AND INDUSTRIES LIST)
- LANDSCAPE NATURAL CHARACTER AREA - VIEW SHAFT AND SH3 SCENIC CORRIDOR

PATERANGI CEMETERY EXISTING SITE FEATURES

Key focus areas for this cemetery are:

- extending capacity through improving the ash interment options,
- enhancing the amenity for cemetery visitors through for example landscaping and provision of seating,
- retaining views to Pirongia Mountain,
- developing a small, formed car park with a path to the cemetery, and
- moving the hearse entrance to along Sing Road to address safety concerns.



LEGEND - EXISTING SITE FEATURES:

- SITE BOUNDARY
- 5 METRE CONTOURS
- BOUNDARY FENCES (STOCK FENCES)
- GRASS SWALE
- UTILITY POLE (ELECTRICITY)
- TRANSFORMER BOX
- OPEN ROAD SPEED
- 80KM/HR SPEED LIMIT
- PREVAILING WIND DIRECTION
- VIEWSHAFT TO MOUNT PIRONGIA

EXISTING SITE USE:

- CEMETERY BLOCKS AND PLOTS
- GRASSED OPEN SPACE

VEHICLE AND PEDESTRIAN CIRCULATION:

- VEHICLE PARKING (ON-ROAD/BERM ONLY)
- MAJOR ENTRANCE (WITH GATE)
- MINOR ENTRANCE (WITH GATE)
- SERVICE VEHICLE AND PEDESTRIAN ROUTE
- PEDESTRIAN ROUTE (GRASS TRACK)

VEGETATION:

- MATURE TREES

FURNITURE/ CEMETERY ASSETS:

- SEAT

SIGNAGE:

- ENTRANCE SIGN

N

SCALE 1:1000 @ A3

0 10 20 30m

PATERANGI CEMETERY DRAFT CONCEPT PLAN



PROPOSED INTERMENT OPTIONS

- HB headstone burial area
- LA lawn ash interment area

PLAN LEGEND

1. future parking provision along Sing Road to be investigated by Transport Team
2. potential future cycleway along Sing Road to be investigated by others
3. provide hearse and service vehicle access and new gates on Sing Road and Paterangi Road (one way)
4. provide new pedestrian gate and cemetery wayfinding map
5. replace fencing with post and rail timber fencing
6. consider planting drought tolerant species within existing gravel areas between grave sites to reduce maintenance
7. maintain viewshaft to Mt Pirongia and across the Landscape Natural Character Area to the west of the site

- removal of 3no. small magnolia trees
- provide additional seating for amenity
- provide additional tree planting for shade
- low-growing planting
- low-growing hedge planting for shelter (under 1.2m)
- 1m contours
- site boundary
- existing utilities/ poles
- 80km/hr speed limit

PIRONGIA (ALEXANDRA) CEMETERY

TYPE **Village Cemetery**

AREA **3.21 hectares**
(1.25 hectares suitable for future use)

NO. **9 interments per year** on average
(83% body burials, 17% ash interments)

Piriongia Cemetery (Section 334, 530 Town of Pirongia East and Part Section 518 Town of Pirongia East) is held as local purpose (cemetery) reserve[1] under the Reserves Act 1977.

Located north-east of the town centre, the cemetery is accessed off Oak Lane. There is unformed car parking along the grass verge and a very steep access road to the current active burial area. To the north is Council-owned land under a long-term grazing lease and the Mangapiko Stream. The Waipā District Plan identifies a significant natural area (WP234) and a cultural alert layer along the stream. There is large lot residential zoning along the other three boundaries that is separated only by Beechey Street in the south. The cemetery has viewshafts to Mount Pirongia/ Pirongia-o-Te Aroaro-ō-Kahu and Mangapiko Stream from the upper slopes. The steep topography presents access and usability challenges.

The cemetery has lawn burial plots and lawn memorial ash berms.

Pirongia Cemetery has averaged 8.9 interments per year over the last twelve years. Almost a third of the cemetery has been used. There is approximately 1.25 hectares of the total 3.21 hectares available for future burials. Based on current burial trends, options and projections, the Waipā Cemeteries Capacity Study 2020 estimated that the remaining useable land allows for an additional 1605 body burials.



1 **entrance gates**



2 **view towards Mangapiko Stream**



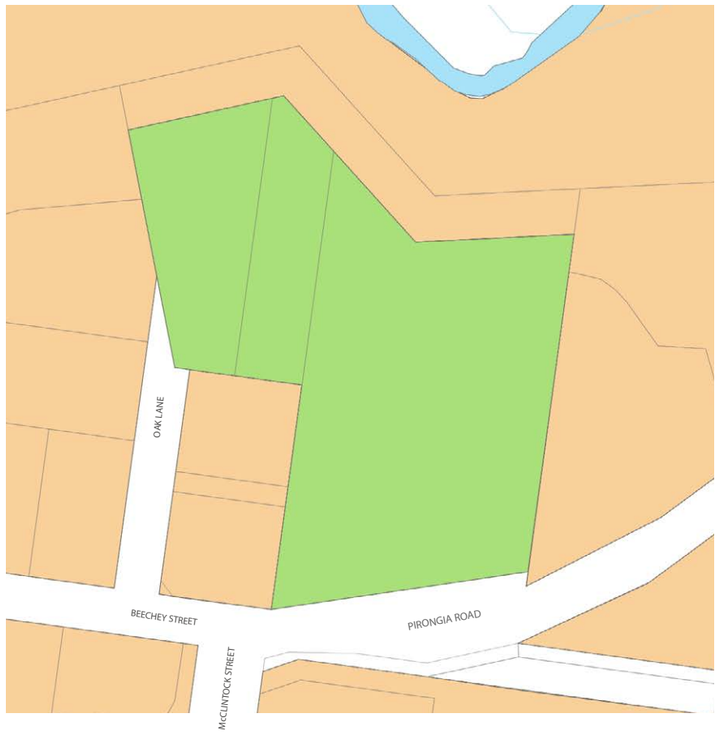
3 **new burial plots with reserved, grazed area in background**

1 New Zeland Gazette 1982 p 1451



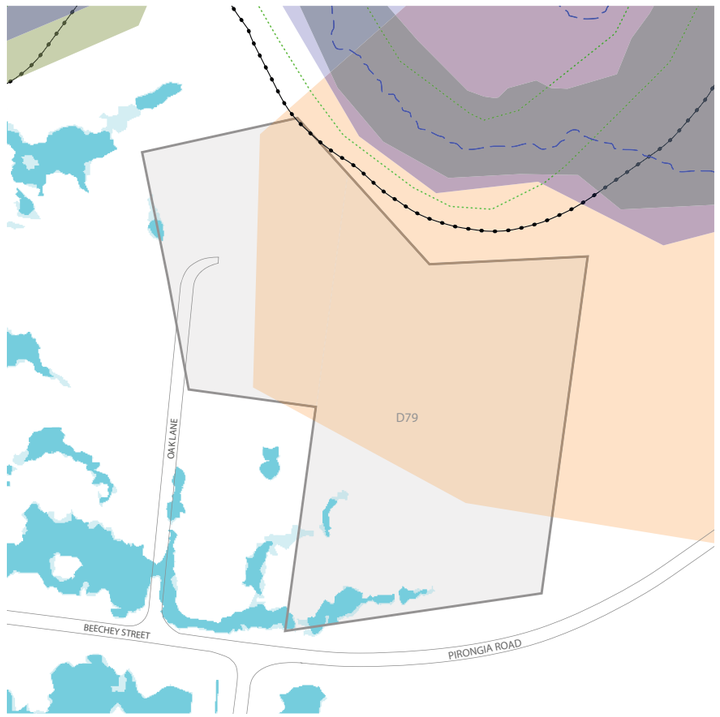
PIRONGIA (ALEXANDRA) CEMETERY PLANNING CONSIDERATIONS

OPERATIVE WAIPĀ DISTRICT PLAN ZONING:



- RESERVE ZONE
- LARGE LOT RESIDENTIAL ZONE
- RURAL ZONE (EXCLUDING ROAD RESERVES)

ENVIRONMENT AND PLANNING MAP:



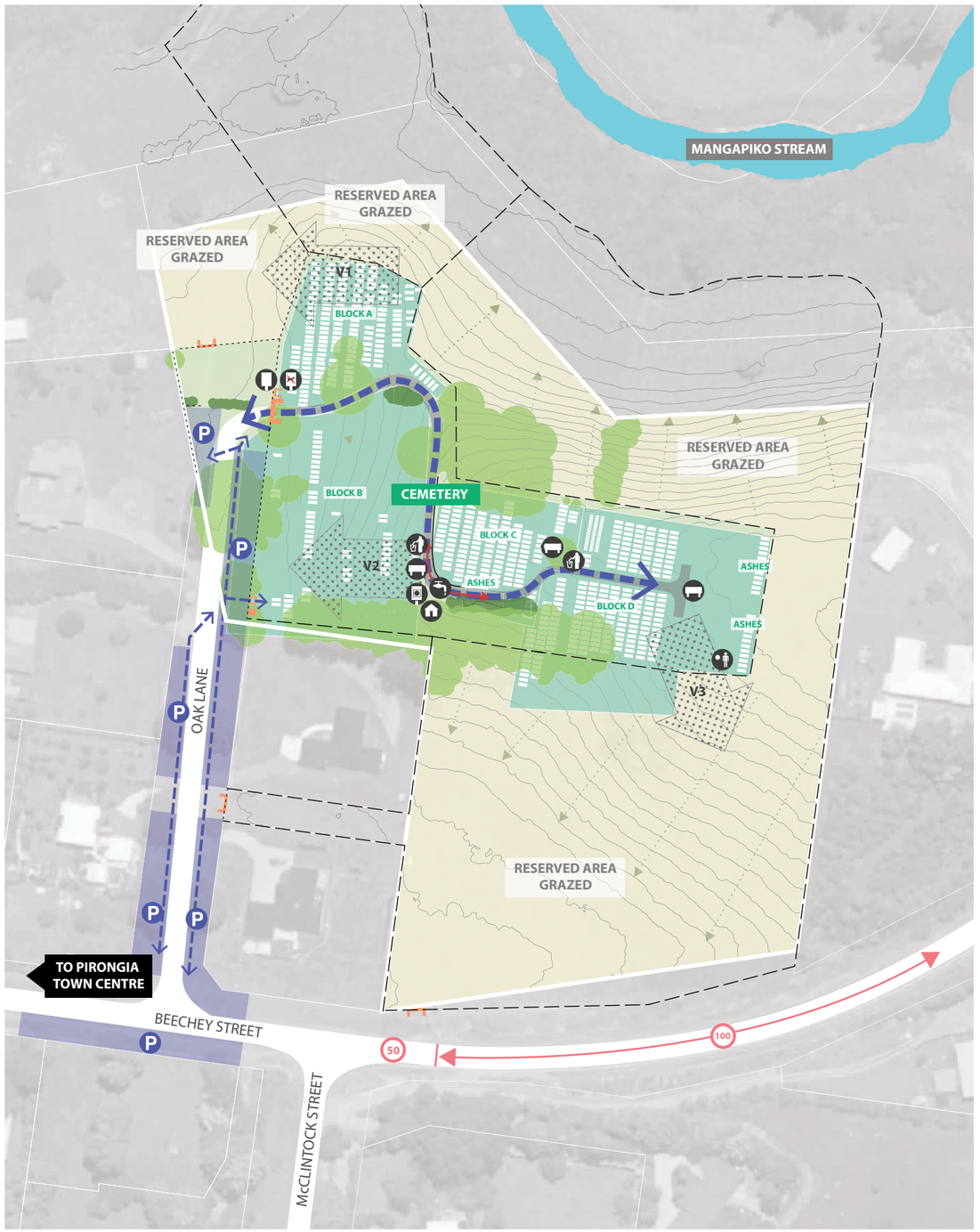
LEGEND - ENVIRONMENT AND PLANNING MAP:

- SITE - DESIGNATION D79 - INTERMENT & REMEMBRANCE OF THE DEAD
- HAIL SITE (HAZARDOUS ACTIVITIES AND INDUSTRIES LIST)
- SPECIAL FEATURES - UNSTABLE LAND
- SPECIAL FEATURES - FLOODING
- URBAN FLOOD MODELLING - EXISTING
- URBAN FLOOD MODELLING - FUTURE CLIMATE CHANGE
- SIGNIFICANT NATURAL AREA
- CULTURAL LANDSCAPE AREA ALERT
- ESPLANADE STRIP
- NATURAL HAZARDS - FLOOD HAZARD AREA

PIRONGIA (ALEXANDRA) CEMETERY EXISTING SITE FEATURES

Key focus areas for this cemetery are:

- improving vehicle and pedestrian access through the cemetery,
- extending capacity through careful design and improving the ash interment options,
- considering natural burial and eco ash interment options,
- protecting and celebrating the view to Pirongia-o-Te Aroaro-ō-Kahu/ Mount Pirongia,
- enhancing the amenity and facilities for cemetery visitors, for example providing formed car parks, landscaping, running water, a toilet and seating,
- planting that supports the significant natural area along the Mangapiko Stream, and
- working in partnership with mana whenua to protect, restore and share the cultural values associated with the reserve and wider area.



LEGEND - EXISTING SITE FEATURES MAP:

- SITE BOUNDARY
- 1 METRE CONTOURS
- CEMETERY ENTRANCE POST AND RAIL FENCE
- BOUNDARY FENCES /STOCK FENCES
- RETAINING WALL
- STEEP SLOPES
- VIEWSHAFTS (V1 = MT PIRONGIA, V2 = MT PIRONGIA, V3 = MT KAKEPUKU)
- 100KM/HR SPEED LIMIT

EXISTING SITE USE:

- CEMETERY BLOCKS AND PLOTS
- RESERVED AREA - GRAZED
- GRASSED OPEN SPACE

VEHICLE AND PEDESTRIAN CIRCULATION:

- VEHICLE PARKING (ON ROAD)
- MAJOR ENTRANCE (WITH GATE)
- STOCK GATE
- STOCK LOADING RAMP
- PEDESTRIAN ENTRACE GATE
- VEHICLE AND PEDESTRIAN ROUTE
- NARROW/SHARP CORNER
- PEDESTRIAN ROUTE (GRASS)

VEGETATION:

- MATURE TREES
- HEDGE / LOW GROWING VEGETATION

FURNITURE/ CEMETERY ASSETS:

- SEAT
- RUBBISH BIN
- FRESH WATER TAP
- SEXTONS YARD/ STOCKPILE
- DERILECT SHED

SIGNAGE:

- NO DOGS SIGN
- CEMETERY MAP SIGN
- REGULATORY SIGN - NO GLASS

N

SCALE 1:1500 @ A3

0 20 40 60m

PIRONGIA (ALEXANDRA) CEMETERY DRAFT CONCEPT PLAN



PROPOSED INTERMENT OPTIONS

- HB headstone burial area
- NB natural burial area
- LA lawn ash interment area
- EA eco ash interment area
- GA memorial garden/ garden of remembrance
- WA columbarium niche wall (ash wall)
- MG memorial garden (plaque only)

PLAN LEGEND

1. new, re-aligned entrance 'A' including vehicle and pedestrian gates, water tap and planting
2. investigate provision of new wayfinding signage and carpark with 22no. spaces (including 2no. accessible spaces) to service existing cemetery area, natural burials area and future Mangapiko Stream walkway
3. new toilet
4. maintenance vehicle access to paper road (grazed)
5. retain one-way internal road access to existing cemetery for maintenance vehicles, hearse access, accessible parking and drop-off parking. Improve and widen where possible.
6. investigate removal of shed
7. provide 2no. accessible parking spaces and 2no. drop-off parking spaces, a gathering area, cemetery wayfinding map, flower picking garden, seating, water tap and bin
8. retain lawn beneath existing mature trees
9. pathways with steps to provide alternative routes through natural burial/ eco ash interment areas
10. provide a gathering area including shade/shelter structure, cemetery wayfinding map, flower picking garden, seating, water tap and bin
11. new, entrance 'B' including vehicle and pedestrian gates, water tap and planting
12. provide 2no. accessible parking spaces and 2no. drop-off parking spaces
13. screened sexton's yard/ soil stockpile
14. Progress survey and land transfer of highlighted land area from road reserve to local park. Investigate use of area for internal cemetery road and maintenance vehicle routes. Provide screening (vegetation) to reduce headlight glare from internal cemetery road to Pirongia Road. Ensure space is retained on road reserve for future active-mode connection with the Transport Team (3m shared path with road margin, planting and drainage).
15. native revegetation of steep slopes (low-growing vegetation only to maintain views)
16. potential future riparian planting area along Mangapiko Stream

- provide additional seating for amenity throughout the cemetery
- provide additional tree planting for shade throughout the cemetery
- low-growing planting
- hedge planting
- garden beds
- natural burial planting areas
- eco ash interment planting areas
- consider wildflower planting in older cemetery block
- 1m contours
- site boundary

PUAHUE CEMETERY

TYPE **Rural Cemetery**

AREA **0.71 hectares**
(0.68 hectares suitable for future use)

NO. **1 interment per year** on average
(92% body burials, 8% ash interments)

Puahue Cemetery (Lot 2 DP 29094) is held as freehold land under the Local Government Act 2002. Until recently the cemetery was managed by a Trust with maintenance undertaken by trustees who were adjoining landowners.

Located on Puahue Road, approximately 14km from Te Awamutu and 3.6km from Puahue, this small, rural cemetery is surrounded by farmland that is zoned rural. There is a house adjoining the eastern boundary.

The cemetery has lawn burial plots and lawn memorial ash berms.

Puahue Cemetery has averaged 1 interment per year over the last twelve years. Currently, the cemetery uses only 0.03 ha of its available 0.71 ha site with the remaining area grazed. This leaves the cemetery with 0.68 ha of land area for future use which based on current burial trends, options and projections, the Waipā Cemeteries Capacity Study 2020 estimated allows an additional 816 body burials. It is envisaged that this cemetery will only ever cater for its rural catchment.



1 **entrance gate**



2 **memorial plaque on gate**



3 **Puahue Road boundary treatment**



4 **cemetery lawn**



PUAHUE ROAD

N

SCALE 1:1000 @ A3

0 10 20 30m

PUAHUE CEMETERY PLANNING CONSIDERATIONS

OPERATIVE WAIPĀ DISTRICT PLAN ZONING:



- RESERVE ZONE
- RURAL ZONE (EXCLUDING ROAD RESERVES)

ENVIRONMENT AND PLANNING MAP:



- SITE - DESIGNATION D72 - INTERMENT & REMEMBRANCE OF THE DEAD
- HAIL SITE (HAZARDOUS ACTIVITIES AND INDUSTRIES LIST)

PUAHUE CEMETERY EXISTING SITE FEATURES

Key focus areas for this cemetery are:

- enhancing the amenity and facilities for cemetery visitors, for example providing formed car parks and seating, and
- determining what to do with the northern end of the cemetery.



LEGEND - EXISTING SITE FEATURES:

- SITE BOUNDARY
- 1 METRE CONTOURS
- CEMETERY ENTRANCE PICKET FENCE
- BOUNDARY FENCES/ STOCK FENCES
- PREVAILING WIND DIRECTION

EXISTING SITE USE:

- CEMETERY BLOCKS AND PLOTS
- RESERVED AREA - GRAZED

VEHICLE AND PEDESTRIAN CIRCULATION:

- VEHICLE PARKING (ON-ROAD/BERM ONLY)
- MAJOR ENTRANCE (WITH GATE)
- STOCK ENTRANCE (WITH GATE)
- PEDESTRIAN ROUTE (GRASS TRACK)

VEGETATION:

- MATURE TREES

SIGNAGE:

- INTERPRETIVE SIGN

N

SCALE 1:1000 @ A3

0 10 20 30m

PUAHUE CEMETERY DRAFT CONCEPT PLAN



PROPOSED INTERMENT OPTIONS

- HB headstone burial area
- LA lawn ash interment area

PLAN LEGEND

1. realign cemetery fence to property boundary on western side
2. realign northern fence with adjacent property boundary
3. consider disposal/sale of unrequired land (including road access)
4. provide new cemetery signage
5. future service vehicle access and future residential access (for rear site) along Puahue Road to be investigated by Transport Team

- provide seating for amenity
- provide tree planting for shade
- hedge planting
- 1m contours
- site boundary

PUKEATUA CEMETERY

TYPE **Rural Cemetery**

AREA **1.06 hectares**
(0.71 hectares suitable for future use)

NO. **2 interments per year** on average
(75% body burials, 25% ash interments)

Pukeatua Cemetery (Section 1B Tautari Settlement, Block X Maungatautari Survey District [SO 14694/3]) was permanently reserved under the Land Act 1908 as a reserve for a public cemetery and was classified[1] for this purpose in 1916. While the cemetery is owned by the Crown, for the majority of the 1900s the cemetery is maintained by cemetery trustees. In 2003 the cemetery was classified as a local purpose (cemetery) reserve[2] under the Reserves Act 1977 and in 2009 Council was appointed to control and manage the cemetery.[3]

Located on Maunga Road approximately 2.1km from Pukeatua and almost 27km from Te Awamutu, the cemetery has expansive viewshafts to Maungatautari and surrounding rural landscapes. The small designated Catholic and Protestant burial areas set in the back corners of the paddock are accessed via a farm track through the grazed paddock. These areas are fenced to enable grazing of the remainder of the land.

The cemetery has lawn burial plots and lawn memorial ash berms.

Pukeatua Cemetery has averaged 2 interments per year over the last twelve years. Currently the cemetery uses only 0.06 ha and 0.71 is suitable and available for future burials. Based on current burial trends, options and projections, the Waipā Cemeteries Capacity Study 2020 estimated that the remaining useable land allows for approximately an additional 886 body burials. It is envisaged that this cemetery will cater for its rural catchment and potentially people connected to Maungatautari through for example volunteering.



1 **cemetery block A**



2 **view towards Maungatautare and cemetery block B**



3 **entrance and internal road to cemetery blocks**

1 New Zealand Gazette 1916 page 2413
2 New Zeland Gazette 1982 page 1451
3 New Zeland Gazette 2009 page 2991



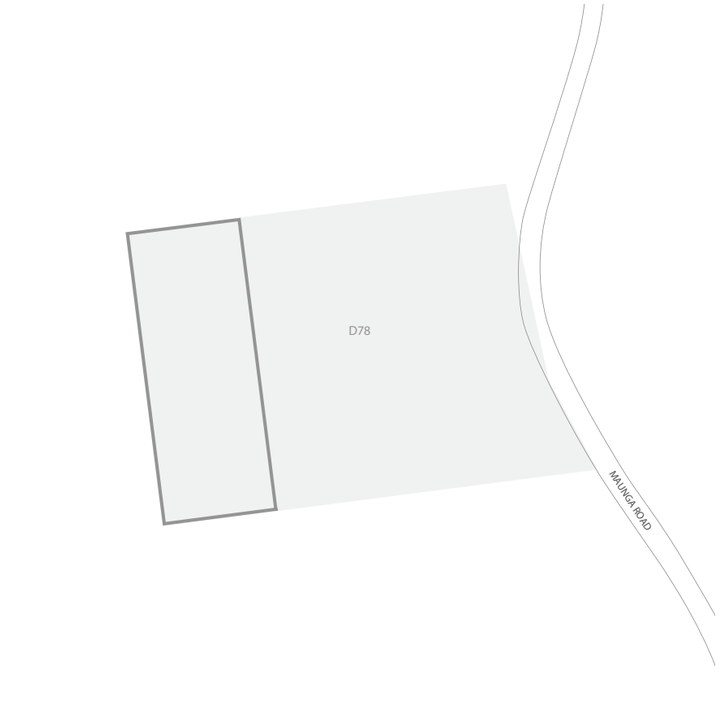
PUKEATUA CEMETERY PLANNING CONSIDERATIONS

OPERATIVE WAIPĀ DISTRICT PLAN ZONING:



RESERVE ZONE
RURAL ZONE (EXCLUDING ROAD RESERVES)

ENVIRONMENT AND PLANNING MAP:

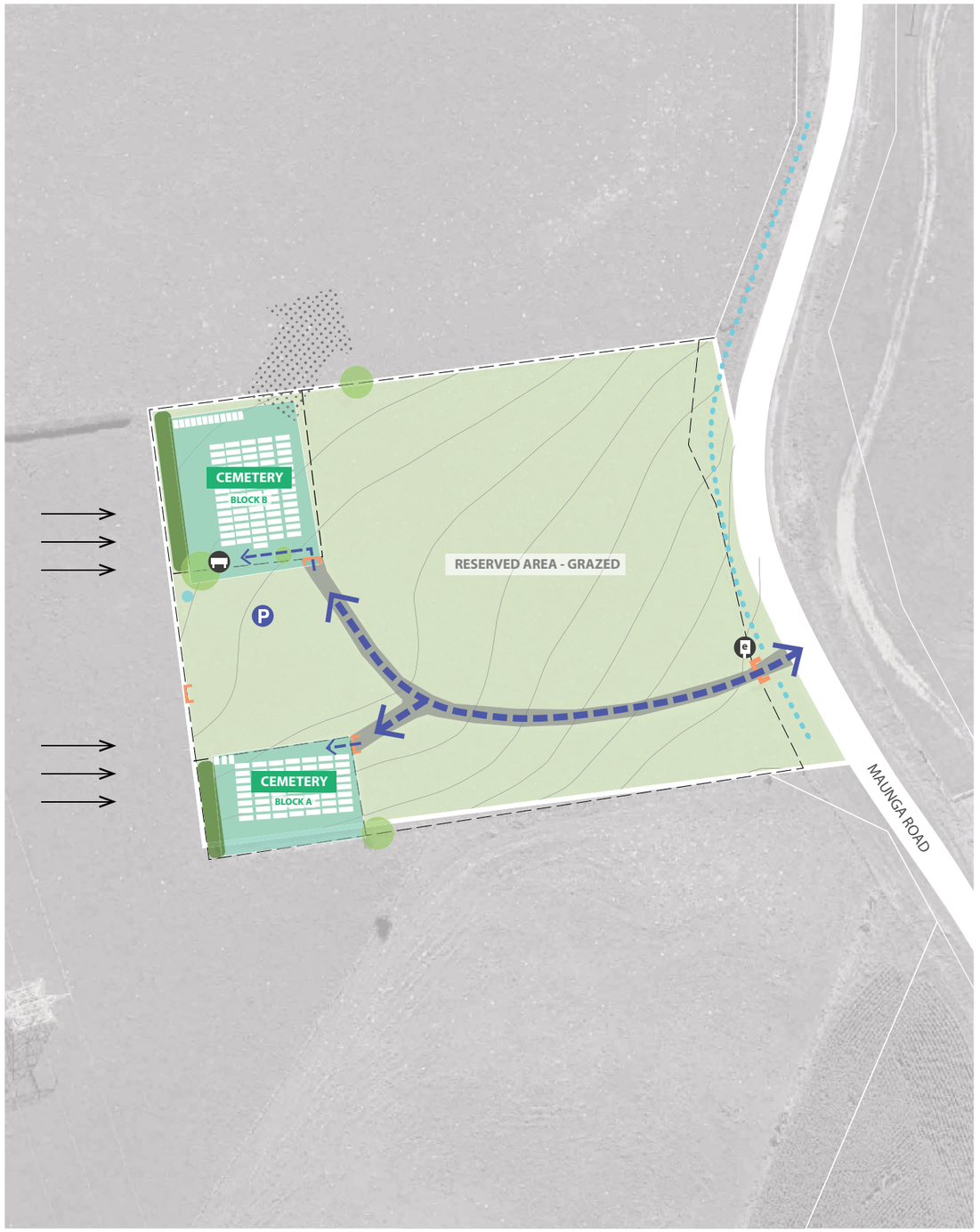


SITE - DESIGNATION D78 - INTERMENT & REMEMBRANCE OF THE DEAD
HAIL SITE (HAZARDOUS ACTIVITIES AND INDUSTRIES LIST)

PUKEATUA CEMETERY EXISTING SITE FEATURES

Key focus areas for this cemetery are:

- considering natural burial and eco ash interment options,
- protecting the view to Maungatautari,
- enhancing the amenity and facilities for cemetery visitors, for example landscaping for shelter and shade and providing formed car parks and seating, and
- improved vehicle and pedestrian access through the cemetery.



LEGEND - EXISTING SITE FEATURES:

- SITE BOUNDARY
- 1 METRE CONTOURS
- BOUNDARY FENCES /STOCK FENCES
- ROAD BERM SWALE
- STOCK WATER TROUGH
- PREVAILING WIND DIRECTION
- VIEWSHAFT TO MAUNGATAUTARE

EXISTING SITE USE:

- CEMETERY BLOCKS AND PLOTS
- RESERVED AREA - GRAZED
- GRASSED OPEN SPACE

VEHICLE AND PEDESTRIAN CIRCULATION:

- VEHICLE PARKING (ON GRASS OR DRIVE)
- MAJOR ENTRANCE (WITH GATE)
- MINOR MAINTENANCE ACCESS (WITH GATE)
- PUBLIC AND SERVICE VEHICLE ROUTE
- PEDESTRIAN ROUTE (GRASS ROUTE)

VEGETATION:

- MATURE TREES
- SHELTERBELT/ HEDGE

FURNITURE/ CEMETERY ASSETS:

- SEAT

SIGNAGE:

- ENTRANCE SIGN

N

SCALE 1:1000 @ A3

0 10 20 30m

PUKEATUA CEMETERY DRAFT CONCEPT PLAN



MAUNGA ROAD

N

SCALE 1:750 @ A3

0 5 10 15

PROPOSED INTERMENT OPTIONS

- HB headstone burial area
- NB natural burial area
- LA lawn ash interment area
- EA eco ash interment area

PLAN LEGEND

1. retain existing internal cemetery road alignment and provide new cemetery access gates and access gates to paddock/ grazed area
2. paddock to continue to be grazed in short to medium term and developed for burials in long term'
3. investigate low growing native amenity planting on road edge to reduce maintenance
4. investigate provision of new gravel carpark with 15no. spaces
5. low growing edging to carpark to act as a vehicle barrier and to demarcate carparks
6. seating to capture views to Maungatautari
7. low-growing planting for amenity

- provide additional seating for amenity
- provide additional tree planting for shade
- low-growing planting
- hedge planting
- natural burial planting areas
- eco ash interment planting areas
- 1m contours
- site boundary

PUKERIMU CEMETERY

TYPE **Rural Cemetery**

AREA **2.24 hectares**
(1.32 hectares suitable for future use)

NO. **3 interments per year** on average
(97% body burials, 3% ash interments)

Pukerimu Cemetery (Part Allotment 12 Pukekura Parish) is held as local purpose (cemetery) reserve[1] under the Reserves Act 1977.

Located 5km south-west of Cambridge's town centre and 1.8km from the C4 Growth Cell along Kaipaki Road, the cemetery largely caters for the surrounding rural catchment. Access and egress from and to a high volume and high-speed road with parking only available on the grass verge is an issue. There is currently no off-road walking or cycling access to the cemetery.

The cemetery has lawn burial plots and lawn memorial ash berms.

Pukerimu Cemetery has averaged 3 interments per year over the last twelve years. Approximately 12 percent of the 2.24 hectares of cemetery land has been used for burials. Based on current burial trends, options, and projections, the Waipā Cemeteries Capacity Study 2020 estimated that the remaining 1.32 hectares of usable space allows for approximately an additional 1584 body burials. Only 800m from the C11 Residential Growth Cell, the cemetery will increasingly become an alternative option for Cambridge residents.



1 **entrance gates**



2 **cemetery plots**



3 **Kaipaki Road boundary**



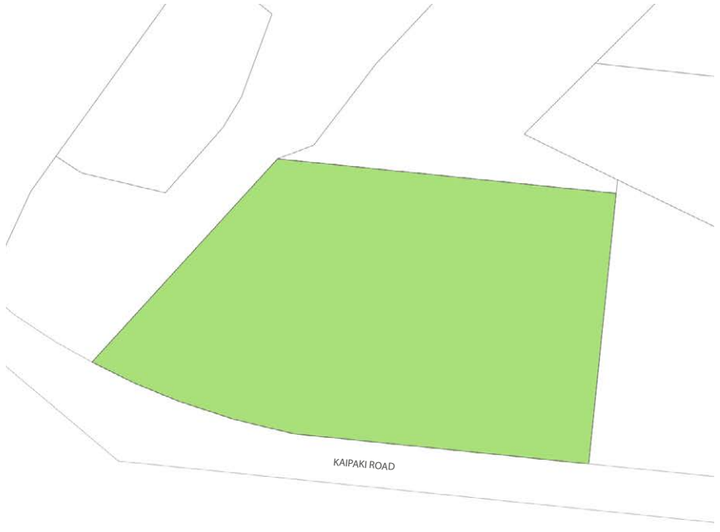
4 **view towards reserved area (grazed)**

1 New Zealand Gazette 1998 page 1534



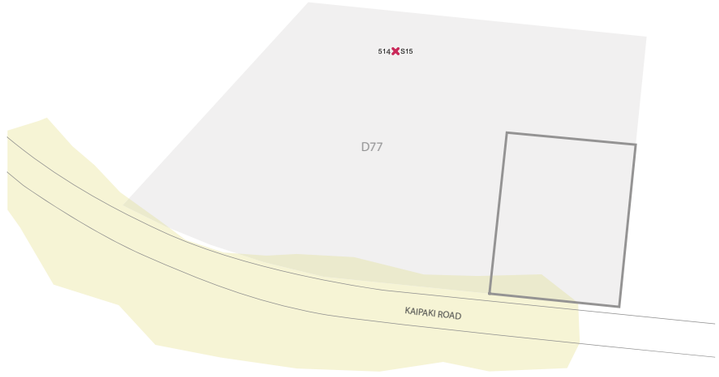
PUKERIMU CEMETERY PLANNING CONSIDERATIONS

OPERATIVE WAIPĀ DISTRICT PLAN ZONING:



- RESERVE ZONE
- RURAL ZONE (EXCLUDING ROAD RESERVES)

ENVIRONMENT AND PLANNING MAP:



- SITE - DESIGNATION D77 - INTERMENT & REMEMBRANCE OF THE DEAD
- HAIL SITE (HAZARDOUS ACTIVITIES AND INDUSTRIES LIST)
- HAZARD - FILLED GROUND
- HERITAGE - ARCHAEOLOGICAL SITE
  514 - 2 BORROW PITS IN AN AREA OF 60X20M, VISIBLE ON AERIAL PHOTO

PUKERIMU CEMETERY EXISTING SITE FEATURES

Key focus areas for this cemetery are:

- creating safe access and egress to a formed car park,
- extending capacity through careful design and improving the ash interment options,
- enhancing the amenity and facilities for cemetery visitors, for example planting specimen trees for shade, landscaping to reduce the effects of Kaipaki Road and providing seating, a toilet and running water, and
- retiring and planting steep and wet areas.



LEGEND - EXISTING SITE FEATURES:

- SITE BOUNDARY
- 5 METRE CONTOURS
- CEMETERY ENTRANCE FENCE
- BOUNDARY FENCES /STOCK FENCES
- ARCHAEOLOGICAL SITE
- UTILITY POLE (ELECTRICITY)
- OPEN ROAD (100KM/HR)

EXISTING SITE USE:

- CEMETERY BLOCKS AND PLOTS
- RESERVED AREA - GRAZED
- GRASSED OPEN SPACE

VEHICLE AND PEDESTRIAN CIRCULATION:

- VEHICLE PARKING (ON-ROAD BERM ONLY)
- MAJOR ENTRANCE (WITH GATE)
- MINOR MAINTENANCE ACCESS (WITH GATE)
- PEDESTRIAN ROUTE (GRASS TRACK)

VEGETATION:

- MATURE TREES
- HEDGE / LOW GROWING VEGETATION
- SPECIMEN PALMS
- PEST PLANT (GORSE?)

FURNITURE/ CEMETERY ASSETS:

- SEAT
- RUBBISH BIN

SIGNAGE:

- REGULATORY SIGN - NO GLASS
- NO DOGS SIGN

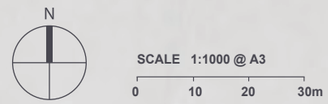
N

SCALE 1:1500 @ A3

0 20 40 60m

PUKERIMU CEMETERY DRAFT CONCEPT PLAN





PROPOSED INTERMENT OPTIONS

- HB headstone burial area
- NB natural burial area
- LA lawn ash interment area
- EA eco ash interment area
- GA memorial garden/ garden of remembrance
- WA columbarium niche wall (ash wall)
- MG memorial garden (plaque only)

PLAN LEGEND

1. new, re-aligned entrance including vehicle and pedestrian gates, water tap and planting
2. investigate feasibility of low-growing native planting within road corridor to maintain sightlines to cemetery entrance and deter parking on road berm
3. investigate provision of new carpark with 40no. spaces (including 4no. accessible spaces)
4. maintenance vehicle access road only
5. screened sexton's yard/ soil stockpile
6. provide a central gathering area including shade/ shelter structure, cemetery wayfinding map, flower picking garden, seating, water tap and bin
7. new toilets
8. opportunity to undertake native revegetation of riparian area and steep slopes (consider archaeological site disturbance)

- provide additional seating for amenity throughout the cemetery
- provide additional tree planting for shade throughout the cemetery
- low-growing planting
- hedge planting
- garden beds
- natural burial planting areas
- eco ash interment planting areas
- 5m contours
- site boundary
- archaeological site

TE AWAMUTU CEMETERY

TYPE **Urban Cemetery**

AREA **4.78 hectares**
(0.74 hectares suitable for future use)

NO. **96 interments per year** on average
(58% body burials, 42% ash interments)

Te Awamutu Cemetery (Lot 1 Deposited Plan South Auckland 8278 and Lot 1 Deposited Plan South Auckland 3741 and Lot 1 Deposited Plan 31501 and Deposited Plan 7848) is held as local purpose (cemetery) reserve[1] under the Reserves Act 1977.

It is located north-east of the Te Awamutu town centre and is accessed from Picquet Road, Te Rahu Road and Te Aranui Drive. From various vantage points the cemetery offers viewshafts to Kakepuku, Mount Pirongia/Pirongia-o-Te Aroaro-ō-Kahu and Maungatautari; as well as across Te Awamutu and surrounds.

The cemetery is currently one of the main places for burials in Waipā; averaging 96 interments per year over the last twelve years. It has lawn burial plots, lawn memorial ash berms, a garden of remembrance, and a designated RSA NZ area.

The 4.78-hectare cemetery has been extensively developed and a small area that is too steep to be easily developed is in the process of being sold for residential development. Based on current burial trends, options and projections, the Waipā Cemeteries Capacity Study 2020 estimated that the remaining useable land allows for approximately an additional 968 body burials.



1 **main entrance**



2 **Picquet Hill Road entrance**



3 **children's area and sextons shed (in background)**



4 **cemetery and views**

1 New Zealand Gazette 2020 p 3874



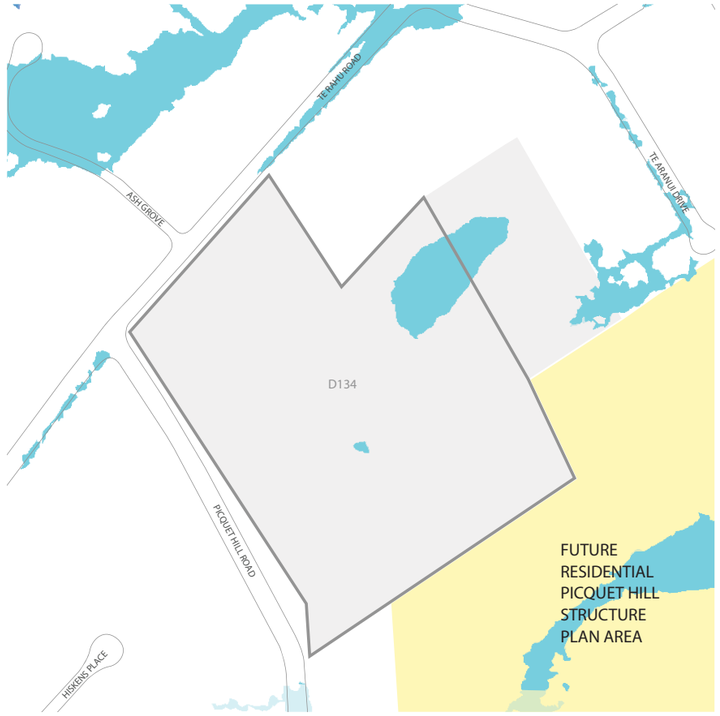
TE AWAMUTU CEMETERY PLANNING CONSIDERATIONS

OPERATIVE WAIPĀ DISTRICT PLAN ZONING:



- RESERVE ZONE
- RESIDENTIAL ZONE

ENVIRONMENT AND PLANNING MAP:



- SITE - DESIGNATION D134 - INTERMENT & REMEMBRANCE OF THE DEAD
- HAIL SITE (HAZARDOUS ACTIVITIES AND INDUSTRIES LIST)
- URBAN FLOOD MODELLING - EXISTING
- URBAN FLOOD MODELLING - FUTURE CLIMATE CHANGE
- FUTURE RESIDENTIAL - PICQUET HILL STRUCTURE PLAN AREA

TE AWAMUTU CEMETERY EXISTING SITE FEATURES

Key focus areas for this cemetery are:

- extending capacity through careful design and improving the ash interment options,
- enhancing and extending the RSA NZ designated area,
- enhancing the amenity and facilities for cemetery visitors, for example the provision of seating with shade and access to running water close to the exit and landscaping,
- protecting and celebrating viewshafts to the maunga/mountains,
- creating a main entrance and improving vehicle and pedestrian circulation through the cemetery, and
- creating a well-located and screened maintenance depot.



LEGEND - EXISTING SITE FEATURES:

SITE BOUNDARY
1 METRE CONTOURS
BOUNDARY FENCES /STOCK FENCES
BOLLARDS
VIEWSHAFTS (V1 = MT KAKEPUKU, V2 = MT PIRONGIA, V3 = MAUNGATAUTARI)

EXISTING SITE USE:

CEMETERY BLOCKS AND PLOTS
RESERVED AREA/ GRASSED OPEN SPACE
PROPOSED LAND DISPOSAL/SALE

VEHICLE AND PEDESTRIAN CIRCULATION:

VEHICLE PARKING
MAJOR ENTRANCE (WITH GATE)
MINOR ENTRANCE GATE/ INTERNAL GATE
PUBLIC VEHICLE AND PEDESTRIAN ROUTE
PEDESTRIAN ROUTE (GRASS TRACK)

VEGETATION:

MATURE TREES
HEDGE / LOW GROWING VEGETATION
SPECIMEN CONIFERS
GARDEN BED

FURNITURE/ CEMETERY ASSETS:

RSA MEMORIAL FLAG
SEXTONS SHED
SEXTONS YARD/STOCKPILE
TOILETS
SEAT
BENCH SEAT
RUBBISH BIN
FRESH WATER TAP

SIGNAGE:

ENTRANCE SIGN
20KM/HR SPEED LIMIT SIGN
REGULATORY SIGN - NO GLASS
PICK UP AFTER YOUR DOG SIGN
CEMETERY MAP SIGN
WAYFINDING SIGN (CEMETERY BLOCK SIGN)

N

SCALE 1:2000 @ A3

0 20 40 60m

TE AWAMUTU CEMETERY DRAFT CONCEPT PLAN



PROPOSED INTERMENT OPTIONS

- HB headstone burial area
- LA lawn ash interment area
- GA memorial garden/ garden of remembrance
- WA columbarium niche wall (ash wall)
- WL low (under 1.2m) columbarium niche wall (ash)
- MG memorial garden (plaque only)
- MP memorial plinth (plaque or name only)
- RSA dedicated RSA area (plaque only burial/ ash interment)

PLAN LEGEND

1. re-aligned one-way road including new tree planting Work in with planned traffic calming provision at the intersection of Te Rahu and Picquet Hill Roads.
2. new entrance gates, water provision and low fence
3. retain access road for RSA and service vehicles only. Allow parking for three family vehicles behind hearse (on corner). Provide seating and trees/tree pits.
4. investigate feasability of closure of access road to public vehicles and provide walls of rememrance set back 750mm from existing retaining wall. Undertake planting behind and between walls
5. new upper carpark - 26no. spaces (including 4no. accessible spaces)
6. overflow carparking area (investigate future use of former animal burial area)
7. new gathering area, shade/shelter structure and seating (capturing views to Mt Pirongia), including cemetery map, wayfinding signage, flower picking garden water tap and bin
8. new footpath to link to existing toilet building
9. existing sexton's shed
10. existing screen planting to be replaced with new species when required
11. footpath connection to future residential area
12. close access road to public vehicles
13. new garden bed, seating (capturing views to Maungatautari), water tap, bin shade trees and flower picking garden
14. new sextons yard with planting/screening
15. improve sightlines by pruning sections of hedge
16. new lower carpark - 14no. spaces (including 4no. accessible spaces)
17. new gathering area and seating (capturing views to Mt Kakepuku), including cemetery map, wayfinding signage, flower picking garden, water tap and bin
18. remove asphalt road surface and retain grass access for maintenance vehicles
19. new stairs, path and possible RSA memorial structure
20. speed humps to be installed to slow vehicles
21. new exit gates and water provision
22. accessible concrete pads with kerb ramps to lawn

- removal of 29 no. trees at end of life/ when required
- provide additional seating for amenity throughout the cemetery
- provide additional tree planting for shade throughout the cemetery
- low-growing planting
- hedge planting (selective pruning/replacement planting required on hedge along Picquet Hill Road)
- garden beds
- 1m contours
- site boundary

NETWORK PRIORITIES AND TIMEFRAMES

[PLACEHOLDER PAGE: Text to be completed following Phase 6 consultation and engagement]

The Waipā District Council Cemetery Concept Plans will be implemented when funding becomes available for individual prioritised projects in the Long Term Plan.

In the short term, prioritising projects at Te Awamutu, Hautapu, Leamington and Pirongia Cemeteries is required due to high demand of interment plots, increased population growth in the surrounding area and reduced land availability.

PLANTING GUIDELINES

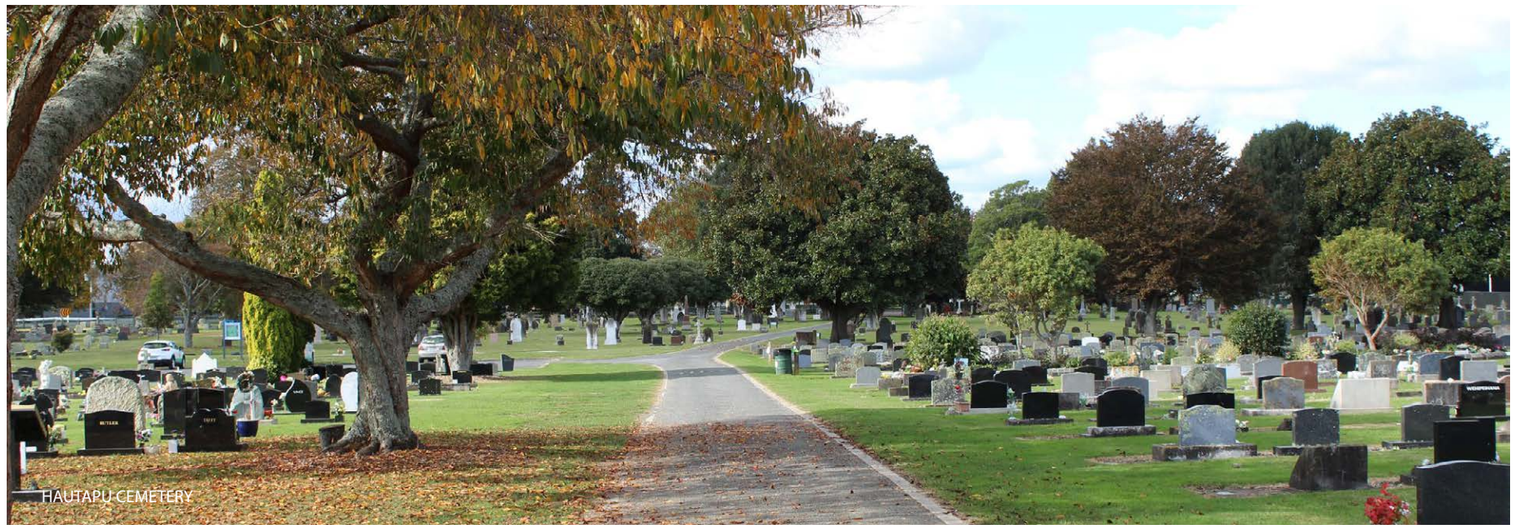
Cemetery planting not only brings comfort to those who mourn or remember but also provides a vital role in the wider landscape by enhancing green infrastructure and ecosystem services. This is particularly important in high-density urban environments.

The benefits of planting in cemeteries include:
- improved health and well-being
- provision of shade
- flood management through the revegetation of stormwater/ephemeral flows and riparian areas
- improvements in soil, water and air quality
- improved biodiversity (habitats and a food source for native birds and invertibrates)
- improved pollination
- carbon capture and storage (trees)

Early consultation and engagement with the community and key stakeholders identified a strong desire to improve shade within the cemeteries. Improvements to biodiversity and amenity were prioritised to a lesser degree but have been considered in these guidelines. The following planting guidelines provide general considerations, guidelines and suggested plant palettes to ensure consistency in design and maintenance across the 10 Waipā District Council Cemeteries.

General planting considerations:
- increase biodiversity through native planting,
- ecosource native plants for revegetation areas,
- planting and flowering perrenials or evergreen shrubs,
- improve tree planting for shade,
- reduce mowing by replacing lawn with native planting where possible,
- minimise chemical use and sprays,
- choose plants that tolerate dry,
- provide on-site storage for site vegetation waste and mulch,
- provide flower beds for picking in place of plastic flowers,
- provide low-growing planting instead of fencing for boundaries where possible to maintain sight lines and reduce carbon in the landscape, and
- plant trees at an adequate distance from burial or ash plots to ensure tree roots don't disturb concrete berms and headstones.

These planting guidelines include links to existing regional guidelines for native revegetation planting and shelter belt design as well as suggested plant palettes for:
- wildflowers for heritage cemetery blocks,
- low growing amenity planting,
- flower picking gardens,
- dry tolerant species for between grave sites,
- symbolic specimen trees,
- specimen trees for shade and amenity,
- hedging under 2 metres,
- hedging under 1 metre,
- memorial gardens,
- eco ash interment areas and
- natural burial areas.



HAUTAPU CEMETERY

1. GUIDELINES FOR REVEGETATION AREAS IN CEMETERIES:

The following guides provide a thorough summary of species suitable for re-vegetation within the cemeteries. There are multiple ecological districts within Waipā District Council, so care must be taken to choose the appropriate guide for each cemetery.

- Planting Guide for Hamilton Basin - Kahikatea remnants (Department of Conservation)
- What to plant in Maungatautari Ecological District (Waikato Regional Council)
- Wetland Planting Guide - Factsheet 3 (Waikato Regional Council)

2. GUIDELINES FOR SHELTER BELT DESIGN:

- Column: Shelter trees for soil and animal health (Waikato Regional Council)
- Shelter and Timberbelt Design (Taranaki Regional Council)
  Please note some species may not be suitable for the Wipā District Council area

3. PLANT PALETTE - WILDFLOWERS FOR HERITAGE CEMETERY BLOCK (PIRONGIA):

Suggested wildflower mix (existing grass will need to be removed and soil cultivated to minimum 50mm prior to seeding):



LOWFIELD MEADOW WILDFLOWER MIX
(Wildflower World)
Size: 30 - 70CM

Contains:
Centaurea - mixed cornflower & dwarf blue,
Clarkia - Farewell to Spring,
Coreopsis - Plains & Dwarf Red,
Dianthus - Sweet William,
Dimorphotheca - African daisy,
Gaillardia - Indian blanket,
Gilia - Birds eyes,
Gilia – Globe Gilia,
Gypsophila - Baby's breath,
Linaria - Toadflax,
Linum - Scarlet flax,
Lobularia - Sweet alyssum,
Lupinus - Dwarf Lupin,
Malcomia - Virginia stock,
Nigella - Love in a Mist,,
Papaver - Corn poppy,
Silene - Catchfly.

4. PLANT PALETTE - LOW GROWING AMENITY PLANTING:

Low-growing amenity planting is suitable for use along road boundaries to maintain sight lines and to provide an alternative edge treatment to fencing. Smaller, compact species listed below may also be used along the edge of internal roads and carparks. Plant in swathes or groups of complimentary species. Use 3 or 5 different species together depending on the size and width of the planting area. Coprosma 'Flat Freddy' and Rosmarinus prostratus can also be used to trail over retaining walls.



CF
Coprosma 'Flat Freddy'
Evergreen
Size: 20-30cm(H)
Location: garden border or trailing over wall



CT
Carex testacea
Sedge
Size: 60cm(H)



CFL
Chionochloa flavicans
Grass
Size: 100cm(H)



CS
Cistus snowmound
Evergreen
Size: 30cm(H), 100cm(W)
Flowers: spring to mid-summer



PI
Pachystegia insignis
Evergreen
Size: 60cm(H), 100cm(W) (requires good drainage)
Flowers: summer



BC
Bergenia cordifolia
Evergreen perrenial
Size: 30-40cm(H) (clump forming)
Flowers: spring



DG
Dietes grandiflora
Evergreen perennial
Size: 70cm(H), 40cm(W)
Flowers: spring and summer



LL
Lomandra 'Lime Tuff'
Grass
Size: 70cm(H), 70cm(W)



LP
Loropetalum 'Purple Pixie'
Evergreen
Size:40cm(H), 120cm(W)
Flowers: summer



RO
Rosmarinus prostratus
Evergreen
Size:100cm(H), 200cm(W)
Flowers: summer
(Can be trailed over wall)



GL
Grevillea lanigera 'Mt Tamboritha'
Evergreen
Size: 50cm(H), 80cm(W)
Flowers: winter to spring

5. PLANT PALETTE - FLOWER PICKING GARDENS:

Suggested flowering species to be planted at main gathering area for year-round colour and 'flower picking' to reduce the use of plastic flowers.



RO
Rosmarinus officinalis tuscan blue rosemary
Flowers: summer



PP
Phlox paniculata (perennial)
Flowers: summer



DA
Dwarf Alstroemeria
Flowers: summer
(remove spent flowers at the base by a twist and tug)



DD
Narcissus sp.
Mixed double daffodils
Flowers: spring



GL
Achillea 'Salmon Beauty'
Flowers: summer through to late autumn



LH
Lavendula angustifolia 'Hidcote'
Flowers: spring through to summer



LH
Lavendula stoechas
Flowers: spring through to early summer



SE
Salvia 'Ember's Wish'
Flowers: year-round



SL
Salvia leucantha
Flowers: late spring to winter



PB
Penstemon 'Boysenberry Taffy'
Flowers: spring through to autumn
Other varieties:
Penstemon 'Snowstorm'
Penstemon 'Electric Blue'



AH
Ageratum houstonianum
Flowers: spring to autumn



PF
Phlomis fruitcosa
Flowers: spring to summer



CES
Coreopsis 'Early Sunrise'
Flowers: summer/ autumn



KMY
Kniphofia (miniature yellow)
Flowers: summer



ES
Echinacea sp.
(deciduous perennial)
Flowers: spring to autumn



MP
Monarda Panorama (perennial)
Flowers: summer



SCS
Scabiosa sp.
Flowers: summer and autumn

6. PLANT PALETTE - DRY TOLERANT SPECIES FOR BETWEEN GRAVE PLOTS:

Low-growing, dry tolerant species to avoid mowing between older grave plots.



PP
Pimelea prostrata
Evergreen
Size: 10cm (H)
(Keep compact - trim)



LGW
Lithodora 'Grace Ward'
Evergreen
Size: 15-30cm (H)
(Keep compact - trim)



AB
Anaphalioides bellidioides
Hardy perennial
Size: 10cm (H)
(Keep compact - trim)



SA
Sedum acre
Evergreen perennial
Size: 5-10cm (H)



AR
Ajuga reptans 'Catlins Giant'
Evergreen perennial
Size: 25cm(H)



SSD
Sedum spurium 'Dragon's Blood'
Evergreen perennial
Size: 10-15cm(H)



LM
Liriope muscari
Evergreen perennial
Size: 30cm(H)



SB
Stachys byzantine
Evergreen perrenial
Size: 15-20cm(H)

7. SPECIMEN TREES - SYMBOLIC



TO
Thuja occidentalis 'Smaragd'
emerald cedar
Evergreen
Size: 3m(H), 1m(W) (avoid rows that cast significant shade) Symbolism: 'tree of life'

8. PLANT PALETTE - SPECIMEN TREES FOR SHADE AND AMENITY:



AP
Acer palmatum 'bloodgood'
Japanese maple
Deciduous
Size: 4m(H), 3m(W)



AR
Acer rubrum
American red / swamp maple
Deciduous
Size: 25m(H), 7m(W)



PP
Parrotia persica
persian ironwood
Deciduous
Size: 10m(H), 5m(W)



GB
Ginkgo biloba (male)
maidenhair tree
Deciduous
Size: 30m(H), 8m(W)



LI
Lagerstroemia indica x fauriei
'tuscarora'
crepe myrtle
Deciduous
Size: 6m(H), 3.5m(W)



PC
Pyrus calleryana 'Candelabra'
callery pear
Deciduous
Size: 6m(H), 3m(W)



GA
Gordonia axillaris
fried egg plant
Evergreen
Size: 5m(H), 5m(W)



FS
Fagus sylvatica
european beech
Deciduous
Size: 25m(H), 15m(W)



AE
Alectryon excelsus
titoki
Evergreen
Size: 10m(H), 4m(W)



ST
Sophora tetraptera
North Island kowhai
Semi-deciduous
Size: 6-10m(H), 4m(W)
Flowers: spring and early summer



PS
Prunus serrulata shirotae
Mt Fuji cherry
Deciduous
Size: 6m(H), 5m(W)



CA
Cornus alternifolia 'Argentea'
pagoda dogwood
Deciduous
Size: 4m(H), 3m(W)



CA
Camellia sp.
Evergreen
Size: choose larger specimen tree up to 5m



TC
Tilia cordata
small-leaved/linden lime
Deciduous
Size: 15m(H), 10m(W)



UC
Ulmus glabra 'Camperdownii'
weeping elm
Deciduous
Size: 2-3m(H), 3-4m(W)



LT
Liriodendron tulipifera
tulip tree
Deciduous
Size: 30m(H), 6m(W)



LTF
Liriodendron tulipifera 'Fastigiatum'
upright tulip tree
Deciduous
Size: 8m(H), 3m(W)



CC
Cercis canadensis 'Forest Pansy'
eastern redbud
Deciduous
Size: 5m(H), 5m(W)

9. PLANT PALETTE - HEDGING UNDER 2M:



PR
Photinia 'Red Robin'



CS
Camellia sasanqua
'Setsugekka'



SS
Camellia sasanqua
'Plantation Pink'



PT
Podocarpus totara
'Matapouri Blue'



LW
Leptospermum 'Wiri
Sandra'



CGG
Corokia 'Geenty's Green'

10. PLANT PALETTE - HEDGING UNDER 1M:



LK
Lophomyrtus 'Kathryn'



CB
Coprosma 'Beatson's
Gold



WF
Westringia fruticosa



TF
Teucrium fruiticans



IC
Ilex crenata

11. PLANT PALETTE - MEMORIAL GARDEN/ GARDEN OF REMEMBRANCE:

MEMORIAL GARDEN TYPE A - ASH PLOT:



AR
Ajuga reptans 'Catlins Giant'
Evergreen perennial
Size: 25cm(H)
Location: garden border
Flowers: late spring and early summer



PB
Penstemon 'Boysenberry Taffy'
Herbaceous perennial
Size: 70cm(H), 60cm(W)
Location: mixed planting with SS, HP
Flowers: spring through to autumn



SS
Sedum spectabile
Perennial
Size: 60cm(H), 50cm(W)
Location: mixed planting with PB, HP
Flowers: Mid summer through to autumn



HP
Hebe 'Pretty in Pink'
Evergreen
Size: 30cm(H), 80cm(W)
Location: mixed planting with PB, SS
Flowers: late autumn to late winter

MEMORIAL GARDEN TYPE B - ASH PLOT:



PP
Pimelea prostrata
Evergreen
Size: 10cm (H)
(Keep compact - trim)
Location: garden border



LH
Lavendula angustifolia 'Hidcote'
Evergreen
Size: 60cm(H), 60cm(W)
Location: mixed planting with LP and HP
Flowers: spring through to summer



LP
Loropetalum 'Purple Pixie'
Evergreen
Size:40cm(H), 120cm(W)
(Keep compact - trim)
Location: mixed planting with LH and HP
Flowers: summer



LN
Leptospermum 'Nanum Tui'
Evergreen
Size: 50cm(H), 40cm(W)
(Keep compact - trim)
Location: mixed planting with LH and LP
Flowers: Spring

MEMORIAL GARDEN TYPE C - ASH PLOT (EASY CARE):



WL
Westringia 'low horizon'
Evergreen
Size: 30cm(H), 70cm(W)
(Keep compact - trim)
Location: garden border
Flowers: spring and summer



CLJ
Callistemon 'Little John'
Evergreen
Size: 150cm(H), 150cm(W)
(Keep compact - trim)
Location: mixed planting with GL
Flowers: summer to autumn



GL
Grevillea lanigera 'Mt Tamboritha'
Evergreen
Size: 50cm(H), 80cm(W)
(Keep compact - trim)
Location: mixed planting with CLJ
Flowers: winter to spring

MEMORIAL GARDEN TYPE D - ASH PLOT:



SC
Santolina chamaecyparissus
Evergreen
Size: 50cm(H)
(Keep compact - trim)
Location: garden border
Flowers: summer



SE
Salvia 'Ember's Wish'
Hardy perennial
Size: 80cm(H), 80cm(W)
Location: mixed planting with LB and AGV
Flowers: year-round



LB
Leucanthermum 'Bridal Bouquet'
Hardy perennial
Size: 40cm(H), 30cm(W)
Location: mixed planting with SE and AGV
Flowers: summer



AGV
Abelia x grandiflora 'Variegata'
Evergreen
Size: 120cm(H), 100cm(W)
(Keep compact - trim)
Location: mixed planting with SE and LB
Flowers: spring to autumn

MEMORIAL GARDEN TYPE E - ASH PLOT (ROSE):



WL
Westringia 'low horizon'
Evergreen
Size: 30cm(H), 70cm(W)
(Keep compact - trim)
Location: garden border
Flowers: spring and summer



RA
Rosa flower carpet 'Amber'
Deciduous
Size: 90cm(H), 90cm(W)
Flowers: late spring through to early autumn



CS
Camelia sasanqua 'Early Pearly' Standard
Evergreen
Size: standard (keep trimmed)
Flowers: late autumn to early winter



DD
Narcissus sp.
Mixed double daffodils
Bulb
Flowers: spring

MEMORIAL GARDEN TYPE F - ASH PLOT (LOW-GROWING, EASY CAR):



WL
Westringia 'low horizon'
Evergreen
Size: 30cm(H), 70cm(W)
(Keep compact - trim)
Location: garden border
Flowers: spring and summer



DG
Dietes grandiflora
Evergreen perennial
Size: 70cm(H), 40cm(W)
Location: mixed planting with LL
Flowers: spring and summer



LL
Lomandra 'Lime Tuff'
Grass
Size: 70cm(H), 70cm(W)
Location: mixed planting with DG

SPECIMAN TREE TYPE 1:

(Type A or B Memorial Gardens where shown on plans)





MG
Magnolia 'Genie'
Deciduous
Size: 2m(H), 1m(W)

Magnolia tree symbolism:
'purity and nobility, something long lasting and held dear within the heart'

SPECIMAN TREE TYPE 2:

(Type C or D Memorial Gardens where shown on plans)





MY
Michelia Yunnanensis
Evergreen
Size: (standard) 2m(H), 1m(W)
(Keep compact - trim)
Flowers: early spring to summer

SPECIMAN TREE TYPE 3:

(Type F Memorial Garden where shown on plans)







PC
Pyrus calleryana 'Candelabra'
callery pear
Deciduous
Size: 6m(H), 3m(W)

12. PLANT PALETTE - ECO ASH INTERMENT AREAS

Low-growing, compact, dry tolerant species that allow closely spaced ash interments.



PP
Pimelea prostrata
Evergreen
Size: 10cm (H)
(Keep compact - trim)
Location: mixed planting with AL, LI, HF, LS, BP, CF



AL
Astelia 'Little Gem'
Evergreen perrenial
Size: 30cm(H), 30cm(W)
Location: mixed planting with PP, LI, HF, LS, BP, CF



LI
Libertia ixiodes
Evergreen perrenial
Size: 30cm(H), 100cm(W)
Location: mixed planting with PP, AL, HF, LS, BP, CF



HF
Hebe 'First Light'
Evergreen
Size: 30cm(H), 90cm(W)
Location: mixed planting with PP, AL, LI, LS, BP, CF
Flowers: spring through to summer



LS
Leptospermum scoparium 'Wairere Falls'
Evergreen
Size: 20-30cm(H)
Location: mixed planting with PP, AL, LI, HF, BP, CF
Flowers: autumn through to spring



BP
Blechnum parrisiae (syn Doodia australis)
Evergreen perennial fern
Size: 60cm(H)
Location: mixed planting with PP, AL, LI, HF, LS, CF



CF
Coprosma 'Flat Freddy'
Evergreen
Size: 20-30cm(H)
Location: mixed planting with PP, AL, LI, HF, LS, BP

SPECIMAN TREE TYPE 3
(Eco ash interment area where shown on plans)





ST
Sophora tetraptera
North Island kowhai
Semi-deciduous
Size: 6-10m(H), 4m(W)
Flowers: spring and early summer

Kowhai tree symbolism:
traditionally referred to as the tree of life, or Kōwhai-turanga ora.

SPECIMAN TREE TYPE 4
(Eco ash interment area where shown on plans)





PT
Podocarpus totara 'Matapouri Blue'
totara
Evergreen
Size: 6m(H), 4m(W)

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13. PLANT PALETTE - NATURAL BURIAL AREAS:

The Natural Burial Philosophy:

The goal of natural burial is to facilitate the return of human remains to the earth in the most natural way possible. There is an emphasis on bio-degradability with no embalmment, coffins or shrouds are of natural, preferably organic untreated materials and interment is shallower and in the active soil layer. There are no permanent memorials or tributes as the aim is to return the burial area to native bush through the planting of native trees and plants on grave sites. This supports the ecology of the area and provides an environmentally friendly memorial to the deceased. Waipā District Council supports the natural burial philosophy through the provision of an area especially set aside for casket and ash burials following this philosophy as closely as possible.
- Waipā District Council Natural Burial Guidelines - September 2017

Proposed guidelines for native planting within the natural burial area:

To ensure the regeneration of native bush is successful an overall planting palette and detailed planting plan will be designed for each natural burial area. The areas will then be planted out as people are buried. It will not be possible to book an exact plot or choose a native specimen tree to be planted on the grave, only a right to be buried in the area. This will ensure a good mix and spread of native species and avoid an abundance of one or two popular canopy species.

Planting within the natural burial area will:
- avoid formal planting or straight edges,
- be consistent with species found in the ecological districts of Waipā District Council (varies between cemeteries),
- consider <u>all</u> forest layers during revegetation planning including the canopy, sub-canopy, understory, grasses, ferns and groundcovers, and ensure low-growing native species provide a buffer along pathways to maintain service vehicle access.

Precedent images: Waikumete Cemetery natural burial area, Auckland:


Photo credit: Auckland Council






Photo credit: Carl Pickens Landscapes

PLANT PALETTE NATURAL BURIAL - AREA CANOPY TREES:

To ensure adequate space for future growth, space canopy and sub-canopy trees at 10m centres.



AA
Agathis australis
kauri
Evergreen
Size: 30m(H), 7m(W)



DC
Dacrydium cupressinum
rimu
Evergreen
Size: 25m(H), 9m(W)



DD
Dacrycarpus dacrydioides
kahikatea
Evergreen
Size: 50m(H), 5m(W)



PT
Podocarpus totara
totara
Evergreen
Size: 15m(H), 8m(W)



AE
Alectryon excelsus
titoki
Evergreen
Size: 10m(H), 4m(W)



PT
Prumnopitys taxifolia
matai
Evergreen
Size: 20m(H), 7m(W)



KE
Knightia excelsa
rewarewa
Evergreen
Size: 20m(H), 5m(W)



LNZ
Laurelia novae-zealandiae
pukatea
Evergreen
Size: 35m(H), 8m(W)

PLANT PALETTE NATURAL BURIAL AREA - SUB-CANOPY AND UNDERSTORY TREES:

To ensure adequate space for future growth, space large sub-canopy trees at 5m centres
and shrubs/tree ferns at 2.5m centres



CA
Cordyline australis
cabbage tree
Evergreen
Size: 10m(H), 2m(W)



FE
Fuchsia excorticate
tree fuchsia
Deciduous
Size: 6m(H), 4m(W)



CD
Cyathea dealbata
ponga/silver fern
Tree fern
Size: 8m(H), 3m(W)



CM
Cyathea medullaris
mamaku
Tree fern
Size: 15m(H), 5m(W)



DS
Dicksonia squarrosa
wheki
Tree fern
Size: 8m(H), 2m(W)



ST
Sophora tetraptera
North Island kowhai
Semi-deciduous
Size: 6-10m(H), 4m(W)



GL
Griselinia littoralis
kapuka
Evergreen
Size: 10m(H), 4m(W)



HA
Hoheria angustifolia
lacebark
Evergreen
Size: 6m(H), 3m(W)



MR
Melicytus ramiflorus
whiteywood
Evergreen
Size: 8m(H), 3m(W)



PR
Plagianthus regius
ribbonwood
Semi-deciduous
Size: 15m(H)



MA
Myrsine australis
red matipo
Evergreen
Size: 6m(H), 6m(W)



OA
Olearia avicenniaefolia
tree daisy
Evergreen
Size: 4m(H), 2m(W)



ME
Macropiper excelsum
kawakawa
Evergreen
Size: 4m(H), 4m(W)



LS
Leptospermum scoparium
manuka
Evergreen
Size: 4m(H), 3m(W)



PL
Pseudopanax laetus
five finger
Evergreen
Size: 4m(H), 3m(W)



PCS
Pseudopanax crassifolious
horoeka/lancewood
Evergreen
Size: 12m(H), 3m(W)



PCM
Pittosporum crassifolium
karo
Evergreen
Size: 5m(H), 3m(W)



CRT
Coprosma rotundifolia
round leaved coprosma
Evergreen
Size: 5m(H), 4m(W)



CRG
Coprosma rigida
stiff karamu
Evergreen
Size: 4m(H), 2m(W)



CRB
Coprosma robusta
karamu
Evergreen
Size: 5m(H), 4m(W)

PLANT PALETTE NATURAL BURIAL AREA - GRASSES, FERNS AND GROUNDCOVERS:



PT
Phormium tenax
harakere/flax
Evergreen perennial
Size: 3m(H), 2m(W)



AG
Astelia grandis
swamp astelia
Evergreen perennial
Size: 2m(H), 2m(W)



LA
Lobelia angulata
panakenake, pratia
Evergreen perennial
Size: 15cm(H), 100cm(W)



CD
Carex dissita
purei
Sedge
Size: 50cm(H), 50cm(W)



BM
Blechnum minus
swamp kiokio
Fern
Size: 50cm(H), 100cm(W)



BNZ
Blechnum novae-zelandie
kiokio
Fern
Size: 120cm(H), 120cm(W)

SIGNAGE AND WAYFINDING GUIDELINES

Signage and wayfinding guidelines aim to improve circulation and the use of each cemetery by informing vistors about:

- access/entrance points, and wayfinding to individual interment plots,
- locations of important amenities such as water and toilets,
- Waipā District Council contact details,
- restrictions on types of recreational use such as 'dogs on leash',
- restrictions to items brought on site such as 'no glass',
- heritage, natural environment values, historical storytelling/interpretation,
- connections to nearby open spaces and recreational opportunities.

Ensure that all signage:

- is located in areas that are accessible for all abilities (where possible),
- is consistent with the Waipā Parks and Reserves Signage Guidelines,
- integrates regulatory information onto main entrance and/or wayfinding directional signs where possible to avoid multiple signs and visual clutter,
- encourages respectful movement through each cemetery.

Main entrance sign (PID-H2 sign)

- locate at main vehicle or pedestrian entrance,
- provide text - cemetery name, regulatory symbols, council logo and gate opening times,
- consider low (under1m) planting behind sign, and groundcover planting infront of sign to reduce mowing.

Wayfinding directional sign (PMP sign)

- locate at main gathering node next to carpark OR at main entrance gate (rural cemeteries with no carpark only), and
- provide text - cemetery name, regulatory symbols, council logo, gate opening times, cemetery information, interpretive information (if appropriate), Waipā District Council contact details/ map. Map to be located at average eye height (1500mm high).

Wayfinding bollard (PB sign)

- locate at each block or garden area (multiple signs may be required if block can be accessed from different sides), and
- provide text with block number and/or name.

Interpretive sign (PIP sign)

- locate where required, and
- provide text outlining heritage and natural environment values, historical storytelling, interpretation.

Wayfinding plaque

- locate at the end of each burial or ash plot berm,
- provide text with block, row and plot numbers, and
- use stainless steel (engraved) where possible.

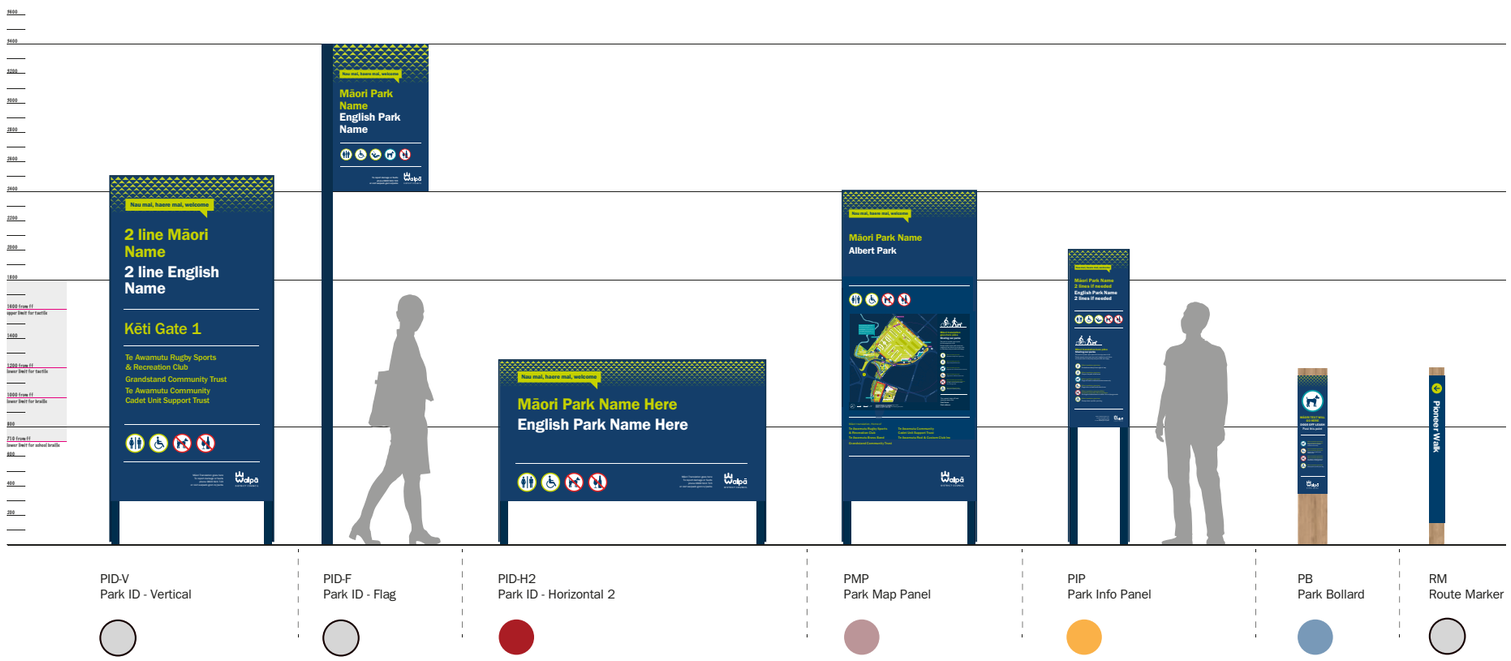
Speed/ directional road markings

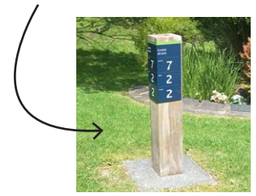
- locate on road surface. Refer to Waka Kotahi Path Behaviour Markings Guidance Note and Austroads guides for further information on shared vehicle/pedestrian paths.

Other wayfinding signs (PID-V, PID-F, RM)

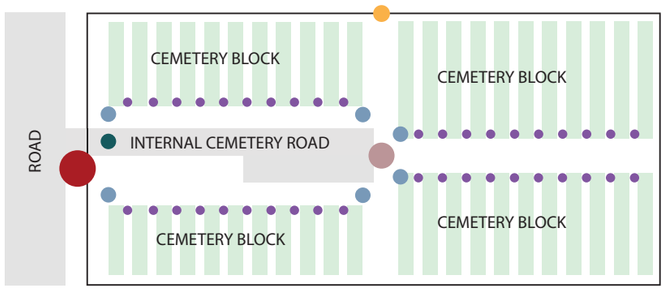
- where required.

Waipā Parks and Reserves Signage Guideline: Developed Design Drawings:





Indicative cemetery diagram: wayfinding signage locations





WAYFINDING PLAQUE





SPEED/ DIRECTIONAL MARKINGS

FURNITURE, SHELTER AND TOILET GUIDELINES

The selection of standard cemetery furniture is to be confirmed during the next phase of design. Cemetery shelters or pergolas and toilets will require site-specific design however key guidelines are outlined below:

Seating

- locate at main gathering areas, along pathways or in line with significant views and provide options for seating in both shade and sun,
- material to be natural timber on powdercoated steel frame (avoid painting where possible), and
- ensure all seats provide arm and back rests. Ensure the majority of seats are located on an accessible route and have sufficient hardstand around seat to avoid wearing down of grass. Ensure some seats have a wider hardstand on one side to allow for a pram or wheelchair.

Water tap

- for cleansing at entrance/exit and filling vases with water,
- locate at main entrance gates (for cleansing), at main gathering areas and within block areas (only if necessary), and
- ensure the bin is universally accessible to people of all ages and physical abilities, especially those with limited hand mobility.

Waste bin

- locate at main gathering areas, entrances or along high use pathways (on the edge of paths within planted areas where possible),
- ensure the bin is universally accessible to people of all ages and physical abilities, and
- ensure the design of the bin can be easily emptied by maintenace staff/sextons.

Pergola/ shelter

- consider the context of the whole cemetery including pedestrian routes to ensure the best location for the pergola/ shelter is chosen,
- materials to be timber frame and steel roofing OR timber frame only (pergola) with creeping vine for shade, and
- ensure the pergola/shelter is universally accessible to people of all ages and physical abilities.

Toilet

- location: consider the context of the whole cemetery including pedestrian routes and adjacent land use to ensure the best location for the toilet is chosen. Locate against a backdrop of vegetation and in close proximity to activity areas to encourage passive surveillance,
- form, colour and texture of construction materials should be sympathetic to the surrounding environment,
- ensure the toilet is universally accessible to people of all ages and physical abilities, and
- incorporate sustainable water use features, such as low flush toilets, on-demand washbasin taps and bore/tank water and consider collecting rainwater for toilet flushing or irrigation.



STREET FURNITURE NZ - PORTLAND SEAT



PORTLAND SEAT



WATER TAP FOR CLEANSING/ VASE FILLING



PRELUDE BIN POWDER COATED BLACK



STREETSCAPE - PRELUDE BIN



ALBION PARK CEMETERY - SHELTER



WAIKUMETE CEMETERY - SHELTER



PARRS PARK - SHELTER

HARD LANDSCAPING GUIDELINES - WALLS, GATES, BOLLARDS, RETAINING AND FENCING

The design of all hard landscape features is to be developed during the next phase of design. Longevity, duribility and low-carbon design were considered during material selection.

Cemetery entrance walls
- material to be locally sourced Hinuera stone capping on concrete substrate. Preferance for natural splitsone (similar to first image) in keeping with 'rural character' of cemeteries,
- use at all cemeteries at end of life of existing structures,
- consider pillar design similar to first image, and
- allow for un-gated pedestrian access between pillars at all urban and village cemeteries. Seperate pedestrian access not required at rural cemeteries.

Powder coated steel entrance gates
- material to be powder coated steel (black or dark grey),
- use at all cemeteries at end of life of existing structures, and
- allow for un-gated pedestrian access to one side of gates at all urban and village cemeteries. Consider ease of use at rural cemeteries as gates will remain closed at all times.

Maintenance yard gate/ stock gate
- use at all cemeteries (where required) at end of life of existing structures.

Bollards and chain gate
- materials to be 500mm high, 150x150mm timber posts set at 1500mm centres in concrete strip footing (chain gate only required for overflow carparking), and
- use to restrict vehicle access (only when planting will not suffice).

Retaining walls
- materials to be masonary keystone (suggest firth compac III or similar), and
- use only where required or to replace existing timber retaining.

Road boundary fence - post and rail
- materials to be natural (no stain) post and rail timber fence (2 rail), and
- use at road edge for all cemeteries ONLY when boundary planting will not suffice and/or at end of life of existing structures.

Rural boundary fence - stock fence
- use for rural boundaries and stock fencing where required at all cemeteries ONLY when boundary planting will not suffice.

Adjacent residential property boundary fence
- materials to be natural (no stain) 1.5m high permeable timber fence, and
- use for adjacent residential boundaries at all cemeteries ONLY when boundary planting will not suffice and/or at end of life of existing structures.



HINUERA STONE - NATURAL AWA SPLITSONE



HINUERA STONE - AHI SPLITSTONE



ENTRANCE GATES WITH PEDESTRIAN ACCESS



STOCK GATE



BOLLARDS AND CHAIN GATE



KEYSTONE RETAINING WALL

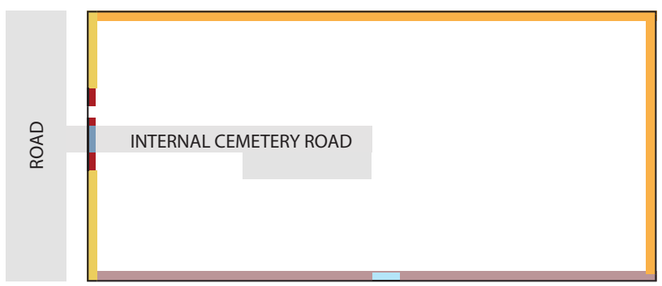


POST AND RAIL FENCE - 2 RAIL



STOCK FENCE

Indicative cemetery diagram: locations of hard landscape features





PERMEABLE TIMBER FENCE - 1.5M



PERMEABLE TIMBER FENCE - 1.5M

ROAD AND PATH GUIDELINES

The design of all roads and paths are to be developed during the next phase of design.

Internal access roads/ shared path

- surface finish to be asphalt with flush concrete edge beam or asphalt with mountable kerb (only where required to divert stormwater),
- use for all internal roads including service access roads, and
- provide a minimum 1:12 grade (where possible) to ensure accessibility for pedestrians and ensure road widths meet minimum standards, particularly at cemetery entrances.

Car parking

- surface finish to be asphalt with flush concrete edge beam or asphalt with mountable kerb (only where required to divert stormwater) and use planting where possible to avoid the need for wheel stops or bollards, and
- ensure car park widths and depths meet minimum accessibility standards. Provide sufficient accessible car parks for each cemetery and ensure flush kerb connects to internal path or road.

Accessible path - concrete

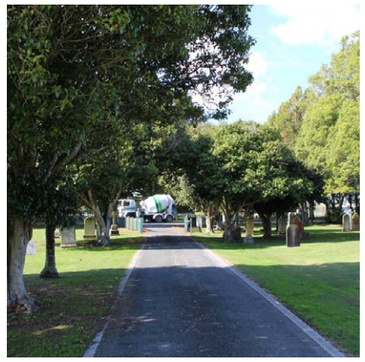
- surface finish to be exposed agregate concrete with oxide to reduce glare,
- use for all formed paths as shown on concept plans, and
- provide a minimum width of 2m and minimum 1:12 grade (where possible).

Accessible path - gravel

- surface finish to be compacted gravel to an accessible standard,
- use for all gravel paths within natural burials (as shown on concept plans), and
- provide a minimum width of 1.8m (to ensure maintenance vehicle access) and minimum 1:12 grade (where possible).

Accessible path - boardwalk

- surface finish to be timber,
- use where shown on concept plans,
- provide a minimum width of 1.5m and minimum 1:12 grade (where possible).



ASPHALT ROAD WITH CONCRETE EDGE BEAM



ASPHALT ROAD WITH MOUNTABLE KERB



CAR PARKING



ACCESSIBLE CAR PARK WITH FLUSH KERB



ACCESSIBLE PATH - CONCRETE



ACCESSIBLE GRAVEL PATH - GRASS EDGE



ACCESSIBLE GRAVEL PATH - BARK EDGE



ACCESSIBLE BOARDWALK