

MATAMATA DOMAIN PLAYGROUND

CONCEPT DESIGN

AUGUST 2023

REV D

Boffa Miskell





Boffa Miskell is proudly a
Toitū net carbonzero certified consultancy

DOCUMENT QUALITY ASSURANCE

BIBLIOGRAPHIC REFERENCE FOR CITATION:

Boffa Miskell, 2023. *Matamata Domain Playground Concept Design*. Report by Boffa Miskell Limited for Matamata Future Trust.

PREPARED BY:

Claire Liu
Landscape Architect
Boffa Miskell Ltd

Rangitahi Kawe
Senior Landscape Architect
Boffa Miskell Ltd

Matt Peacocke
Principal Landscape Architect
Boffa Miskell Ltd

REVIEWED BY:

Sarah Collins
Landscape Architect, Partner
Boffa Miskell Ltd

STATUS: [FINAL CONCEPT]

Revision / version: D

Issue date: August 2023

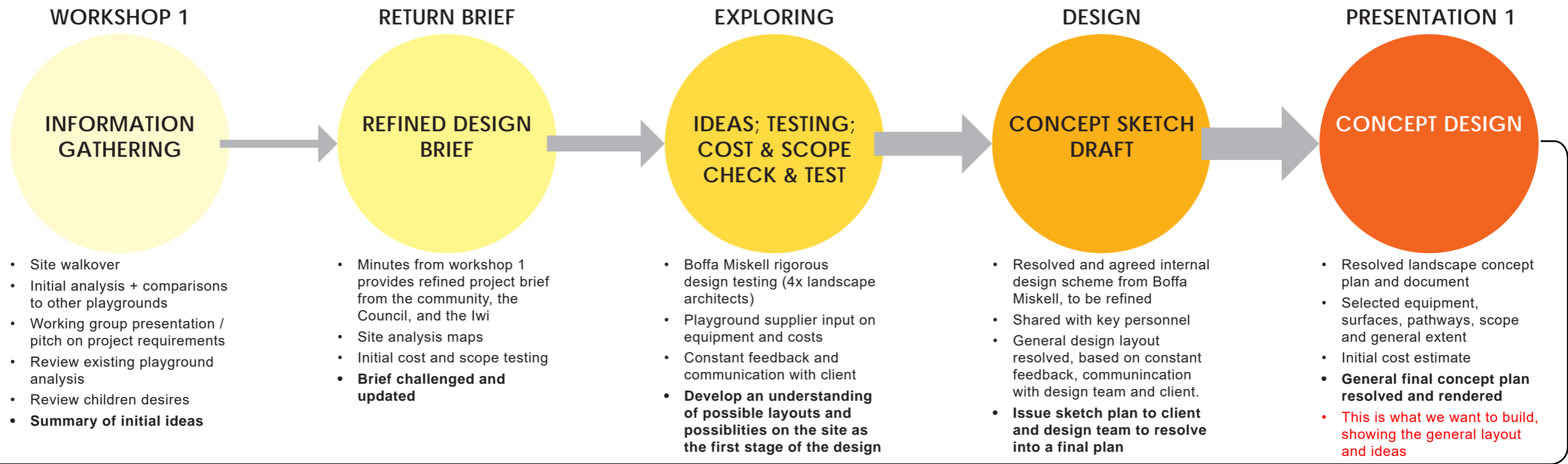
File ref: BM221199_Matamata_Domain_Playground_Concept_Design_RevD

Cover photograph: Site Photo © CLi, 2022

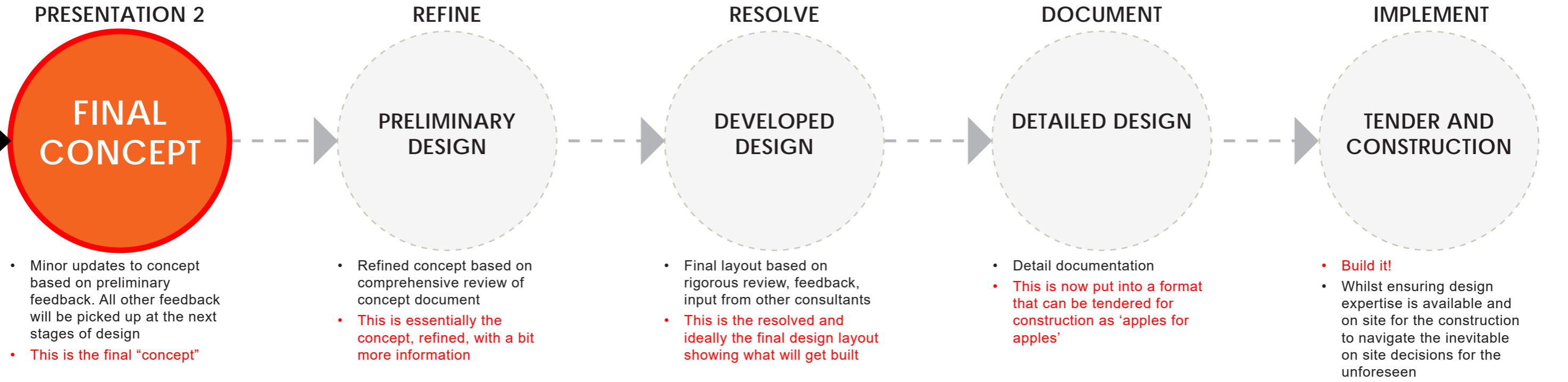
CONTENTS

PROCESS	4
CONTEXT - EXISTING PLAYGROUND AND SITE	5
CONTEXT - SITE ANALYSIS	6
CONTEXT - OPPORTUNITIES & CONSTRAINTS	7
DESIGN BRIEF - COMMUNITY INPUTS	8
DESIGN BRIEF - IWI INPUTS	9
PRECEDENTS & COMPARISONS	10
CONCEPT - LANDSCAPE PLAN	11
CONCEPT - SPACES & CIRCULATION	12
PLAY - STATEMENT PIECES	13
PLAY - ADDITIONAL FORMAL PLAY	14
PLAY - ADDITIONAL INFORMAL PLAY	15
SOCIAL OPPORTUNITIES	16
ROUGH ORDER OF COSTS	17

PROCESS



WE ARE HERE



CONTEXT - EXISTING PLAYGROUND AND SITE



CONTEXT - SITE ANALYSIS

KEY

- - Primary Site Boundary
- ① Kuranui School
- ② Matamata Primary School
- ③ Swim Zone Matamata
- ④ St Joseph's Catholic School
- ⑤ Matamata Bible Church
- ⑥ SH 24
- ⑦ Bedford Park (United Matamata Sports)
- ⑧ Town / shopping precinct

MAP



EXISTING EQUIPMENT

TO BE REMOVED FROM SITE, AND POSSIBLY USED ELSEWHERE



SPACE NET



SWING SKATE



MODULAR - JUNIOR



SWING 2 BAY



MODULAR - SENIOR



SWING DOUBLE



LOG ROLL



SWING 3 BAY



DESIGN BRIEF - COMMUNITY INPUTS

WHAT THE CHILDREN TOLD US

188 local tamariki (80 boys, 108 girls) were asked what equipment they would prefer within a set of activities. These are the top picks:



CLIMBING

SPINNING

SWINGING

JUMPING

FLYING

MUSIC



The design brief requests a place for quality play focused for 'tweens', as well as a social hub for the community and whanau, and a place to tell stories

1ST CHOICE 2ND CHOICE

DESIGN BRIEF - IWI INPUTS

WHAT THE LOCAL IWI TOLD US

May 4th the design team met with members from Ruakawa and Ngāti Hinerangi, with apologies from Ngāti Hauā. Initial themes and ideas were discussed. The Iwi will respond more formally in time.



THE TE ARANGA MAORI CULTURAL PINCIPLES:

MANA

THE RECOGNITION AND RESPECT OF ALL INVOLVED.

The local Iwi and community and council have been engaged pre design, to develop a relationship through the life of the project. The team members are wide and varied, and each stage of design will provide opportunity to respond and reflect in a mana enhancing manner. We will look at opportunities to include Iwi and community during construction, such as blessing of site before construction starts, dawn blessing/ opening ceremony, and planting days, providing for a high level of community ownership, identity and care.

WHAKAPAPA

THE RECOGNITION AND RESPECT OF NAMING.

Alongside the Iwi, we will look at opportunities to celebrate the cultural context and character within the playground to enhance sense of place connections and respond to local naming in a subtle way - as is the initial advise from the local Iwi.

TAIAO

THE NATURAL ENVIRONMENT IS PROTECTED OR ENHANCED.

The key natural landscape element within the design are the large existing trees, which will be maintained and incorporated for shade and character in the playground. We envisage using native planting, locally sourced, and locally sourced materials where possible. The playground will enhance the site, improve the area and provide for a significant community asset.

MAURI TŪ

THE APPLICATION OF HOLISTIC SUSTAINABLE ENVIRONMENTAL DESIGN.

The central town centre location facilitates to a variety of transport options fostering a walkable and cyclable community. Planting is envisaged to be native, and locally sourced, and materials will include a relatively high percentage of natural play elements, including timber, boulders, rope etc.

TOHU

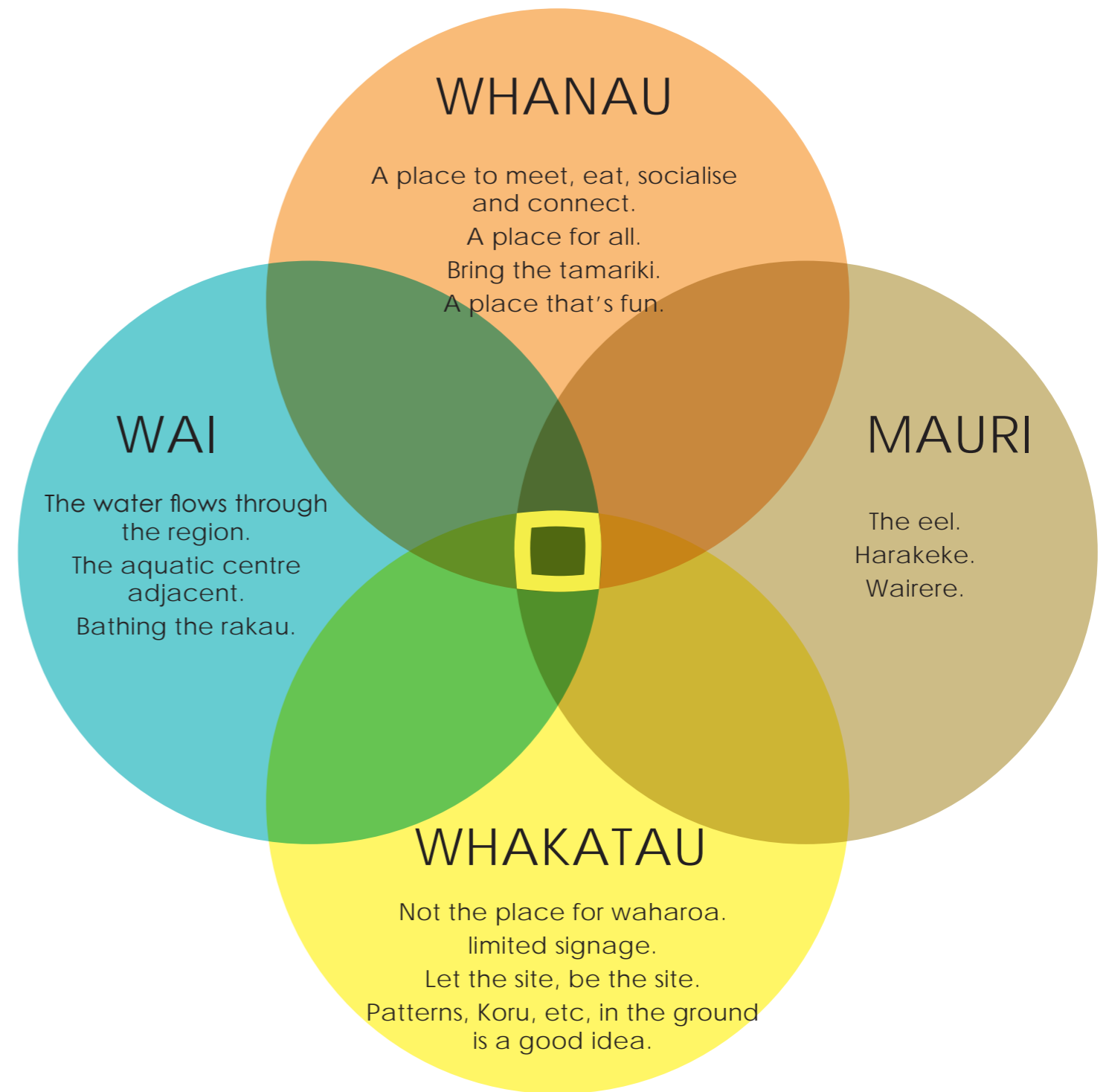
THE RECOGNITION OF TOHU CULTURAL LANDMARKS IN THE WIDER AREA.

We have met and discussed with Iwi the ideas around mahi toi opportunities to reflect local stories and narratives, and are working closely to find appropriate ways to incorporate these into the design, to enrich the outcome and provide for a uniquely Matamata playground.

AHI KĀ

TO CREATE A PLACE WHERE THE CUSTOMARY, CULTURAL AND COMMERCIAL DIMENSIONS ARE ENHANCED.

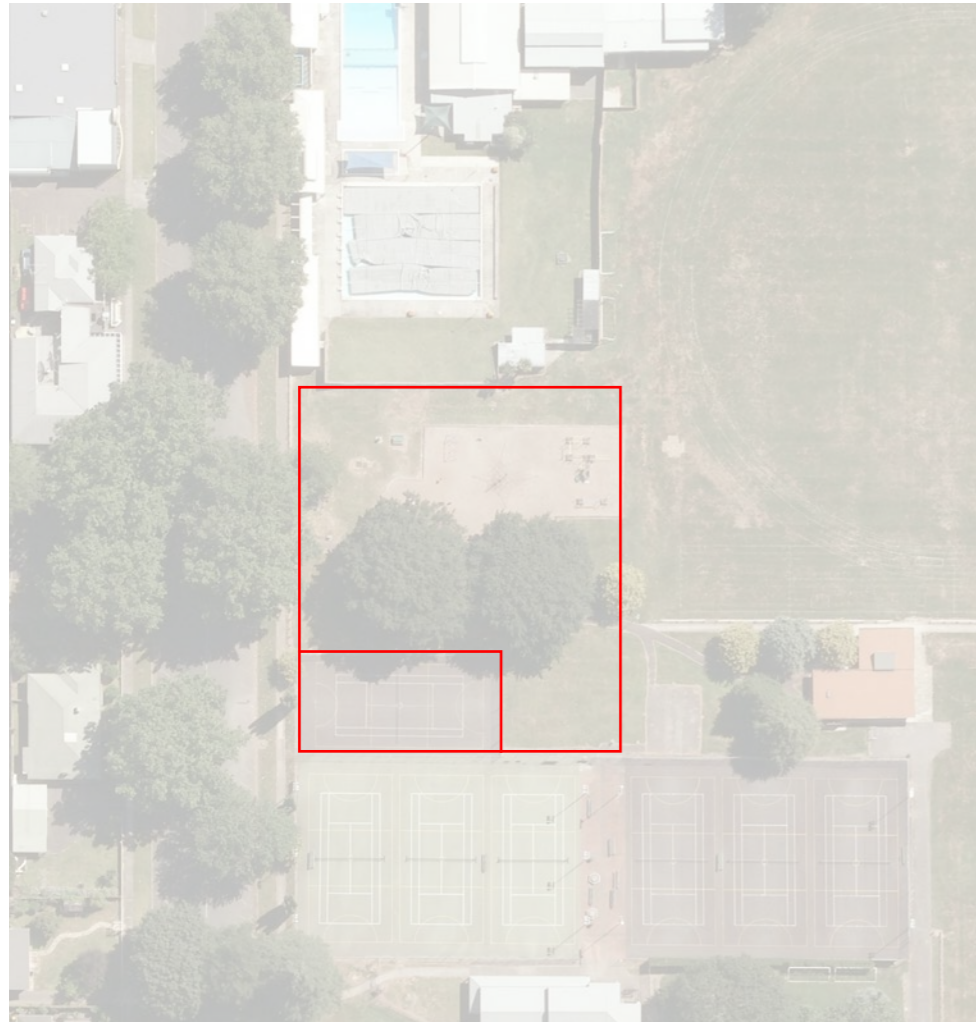
Having met with the Iwi, the clear feedback at the time was to provide for "the best play space possible" which will enhance the town centre, developing a social hub with an enduring presence for all. This is the initial design intent. The design team and council will continue to work closely with the Iwi at each stage of design to ensure opportunities are captured.



This will be a place for tamariki and whanau.
Using water and harakeke responds to the local narratives.

PRECEDENTS & COMPARISONS

SITE



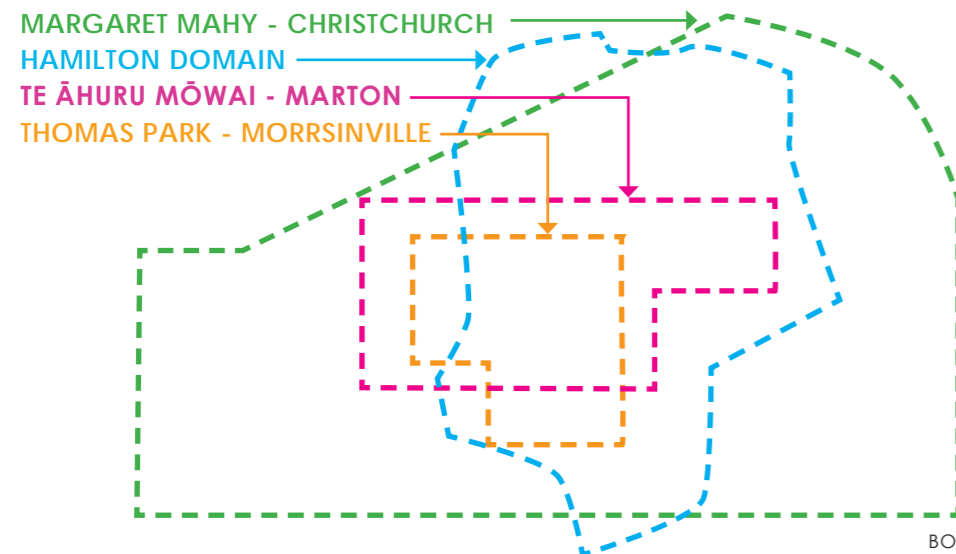
The site appears a comparatively large space, however the two large trees reduce the outdoor useable footprint. The adjacent court provides additional space to potentially extend the playground footprint.

TE ĀHURU MŌWAI - MARTON

The Marton playground consistency comes up as a good example of a playground to aspire to, within a similar size community and footprint





COMPARISONS TO OTHER PLAYGROUNDS









CONCEPT - LANDSCAPE PLAN
























LEGEND

	Trees		Concrete steppers
	Garden / low planting		Concrete footpath
	Lawn		500mm wide concrete edge beam
	Rubber matting / softfall		Boulders
	Bark mulch / softfall		Log hopper ends
	Hoggin / limechip		Timber balance beams
	Picnic tables and chairs		Asphalt with colour imprint
	Bench seating		Concrete edge with raised seating
	Timber boardwalk		Fenced toddler area

KEY

	Main entry		Half court
	Alternative entry from road		Pavilion and bbq
	Accessible toilet (future works)		Fence / wall (existing)

PLAY EQUIPMENT

	Multi play tower		Junior tower
	Eagles nest basket swing		Crazy daisy see saw
	Double flying fox		Rocker horse
	Hamster wheel		Ocean see saw (inclusive)
	Serious Air Swing		Log hoppers
	Swings, multi types		Timber balance beams
	In ground trampolines		Scooter carousel
	Rope twister (inclusive)		Post hopper
	Carousel (inclusive)		Basket swing
	Tunnels under mound		Boulders
	Rubber mound		Basketball hoop
	Music bells		











EXISTING ADJACENT COURTS

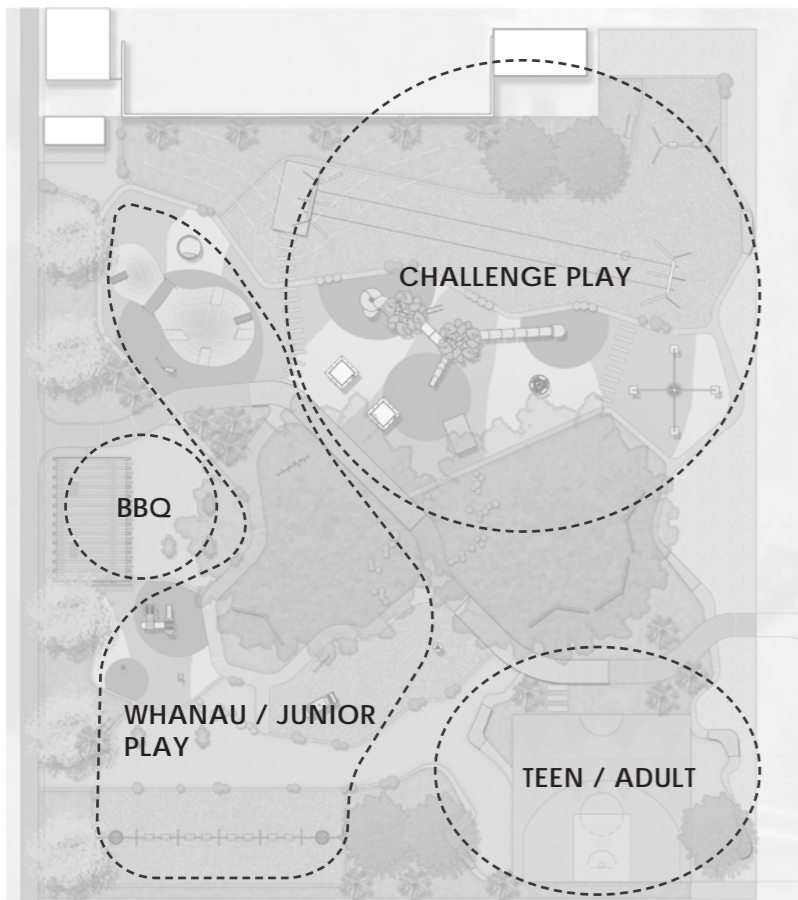


CONCEPT - SPACES & CIRCULATION

LEGEND

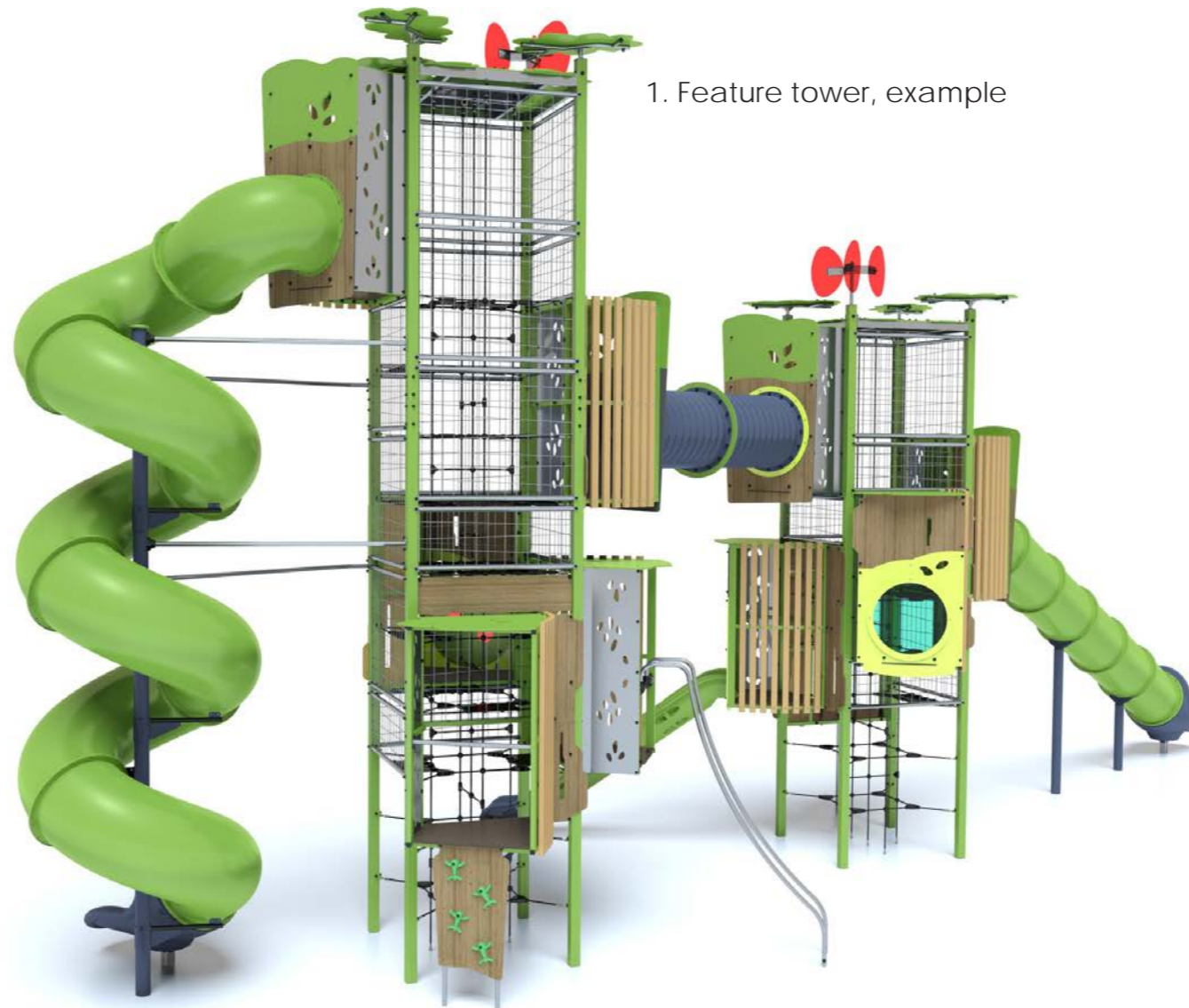
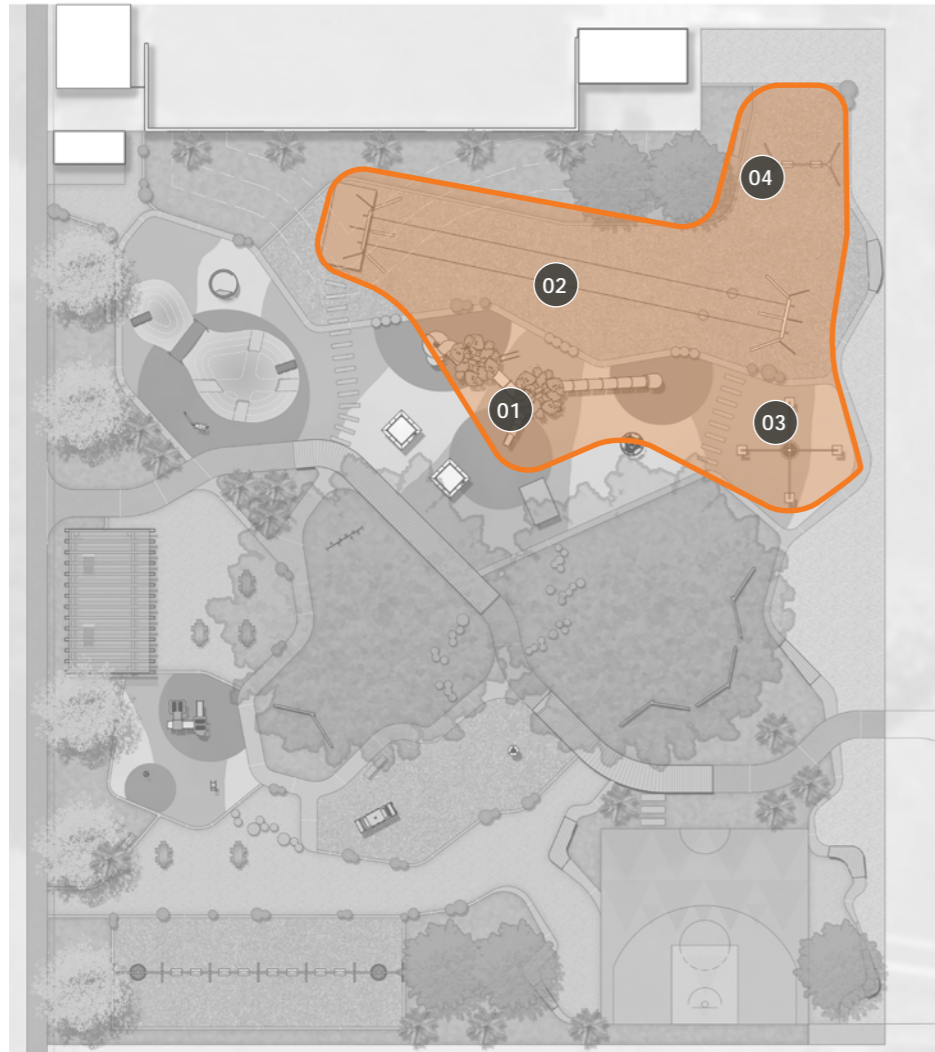
-  Formal paths & edges as informal paths
-  Garden / low planting
-  Water Play Area
-  Advanced Play Area
-  Nature Play Area
-  Family/Seating Area
-  Junior Play Area
-  Half court

STRUCTURE



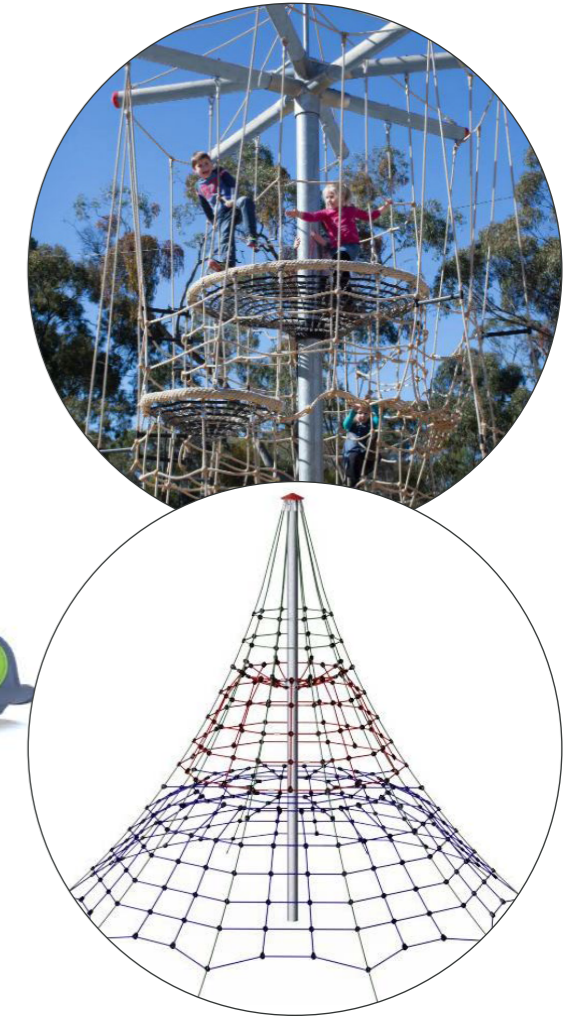
PLAY - STATEMENT PIECES

A key design aspect for the playground design is to provide a statement piece as a draw card. Additionally, exciting, challenging, large play items ensure a challenging and exciting playground experience. The statement tower shown is indicative and options will be provided and consulted upon during preliminary design.



1. Feature tower, example

Alternative feature item



2. Double (racing) flying fox



3. Giant eagles nest swing

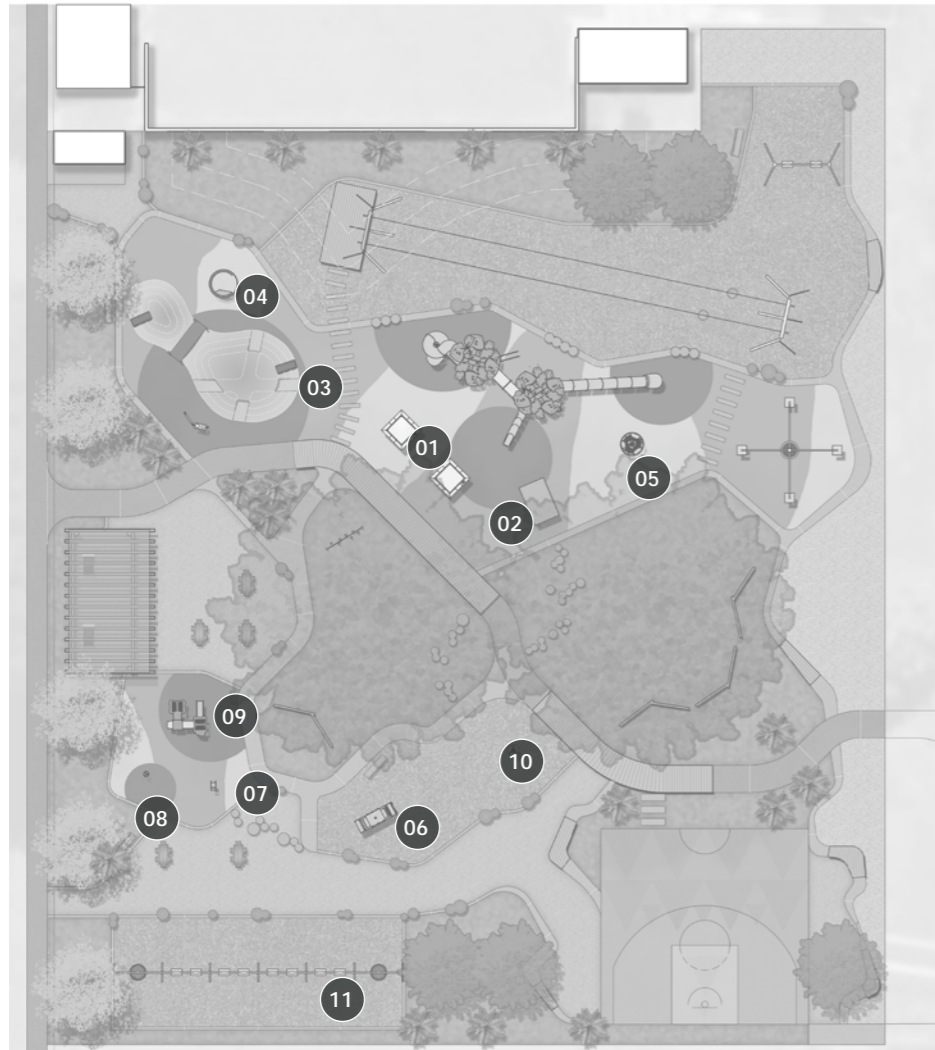


4. Serious air swing



PLAY - ADDITIONAL FORMAL PLAY

Carefully selecting a range of play items will cater for a range of structured and safe activities for children and tweens. This ensures the playground is not only 'fun', but also improves the users strengths, coordination and balance. E.g. jump; spin; hang; slide etc.



1. Mini tramps



2. Mouse wheel



3. Carousel (inclusive)



4. Scooter carousel



5. Inclusive twister



6. Ocean Seesaw



7. Rocker



8. Crazy Daisy



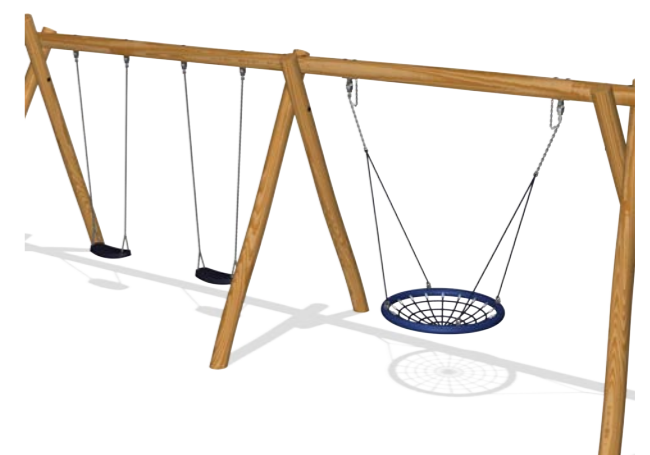
9. Junior play structure



10. 'Blox' climber



11. Swings selection



PLAY - ADDITIONAL INFORMAL PLAY

Natural play elements allow for additional play activity between the formal items and the flexibility of the installation means these can be installed under trees amongst tree roots, and along edges to break up formal lines. Using boulders and logs also creates character and interest, providing for an additional deeper level of imagination and fun that complements formal play elements.



1. Timber balance beams



2. Log hoppers



3. Balance posts



4. Boulders



5. Informal edges as play



6. Music play



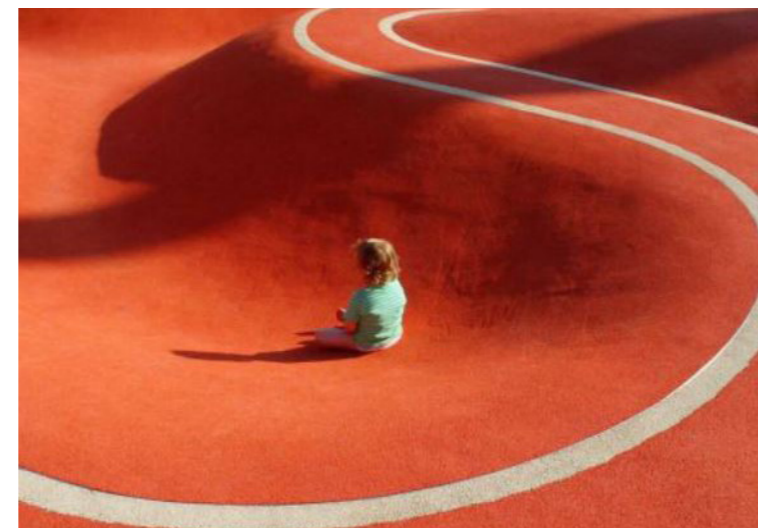
IMAGINATION MOUNDED PLAY

Water is a strong narrative from the initial iwi consultation. This can be reflected by using rubber matting topography and faux bridges to provide a mock water area. We create an imaginative play area, with tunnels, slides, bridges, and areas to climb.



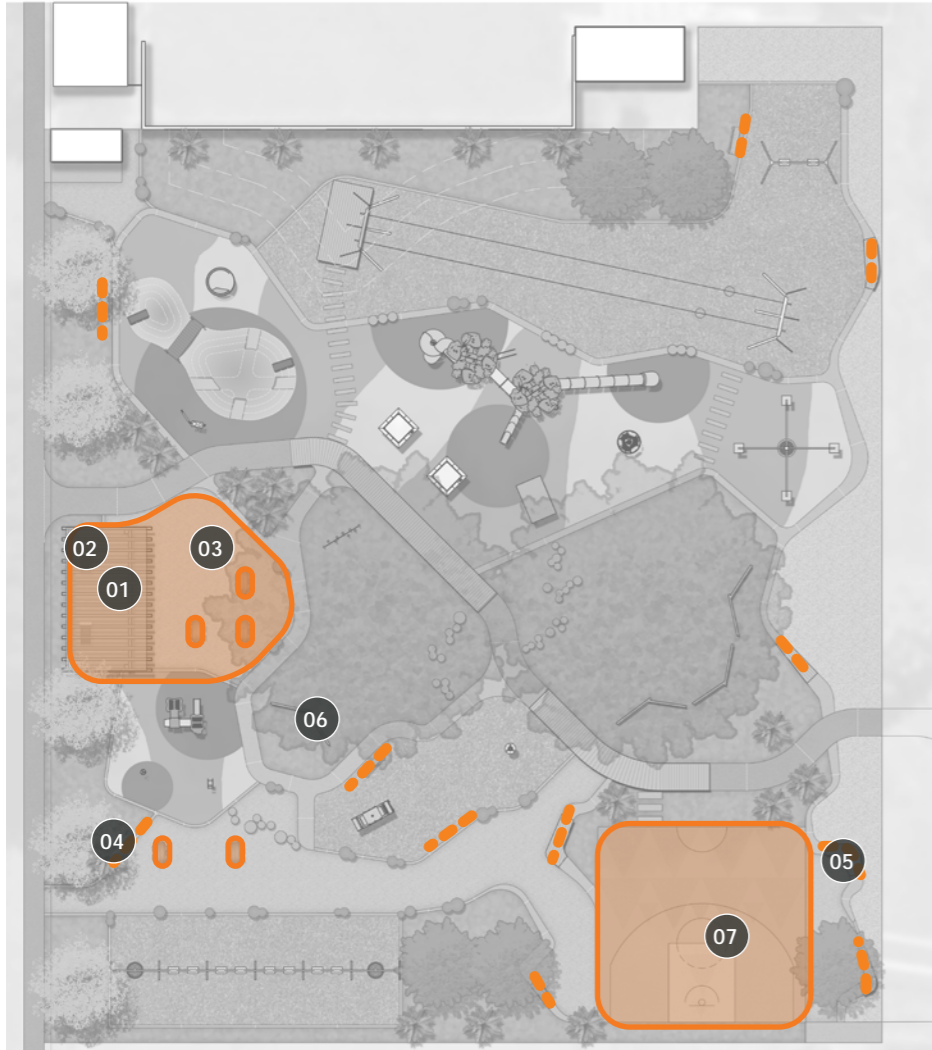
1. Indicative layout shown, yet to be designed in detail

Example imagery



SOCIAL OPPORTUNITIES

Playgrounds are more than just play, they are opportunities for social interactions. They become social hubs, central places to meet, eat, share a coffee with a friend while the children play. This playground provides a variety of social interactions which allow for larger groups or a single parent wanting a place to rest.



1. Shelter, demarcates the site and sitting area



2. BBQs Electric, robust



3. Picnic tables. Simple, robust



4. Bench seating



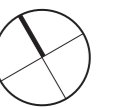
5. Edge seating for opportune sitting areas



6. Informal play also used as seating



7. Half court. Provides opportunity for personality



ROUGH ORDER OF COSTS

NOTE. ROUGH ORDER OF COSTS IS TO BE USED AS A GUIDE ONLY AND IS BASED ON CONCEPT DESIGN. WE HAVE EXTRAPOLATED QUANTITIES BASED ON THE CONCEPT AND PROVIDE COSTS BASED ON A COMBINATION OF PREVIOUS WORK AND TENDER PRICES RECEIVED FOR SIMILAR WORK, & SUPPLIER INSTALL COSTS FOR PLAY EQUIPMENT.

EXCLUDES TOILET. ALLOW \$200,000. ALSO EXCLUDES DESIGN AND CONSENTS

	LANDSCAPE ITEMS	COSTS
01	DEMOLITION & REMOVAL	\$12,500
02	SERVICES	\$19,500
	<ul style="list-style-type: none"> Plumbing to drinking fountain Power to BBQ Electrical for lighting 	
03	SURFACES	\$445,000
	<ul style="list-style-type: none"> Concrete Hoggin Concrete edges Concrete steppers Asphalt Coloured pattern on hard court Timber boardwalk Bark softfall Rubber matting 	
04	FURNITURE	\$170,000
	<ul style="list-style-type: none"> Picnic tables Barbecues Drinking fountain Bench seating Low timber post fence along road Pergola <i>\$75,000</i> Seats on walls 	
05	PLANTING	\$150,000
	<ul style="list-style-type: none"> Garden beds Mulch Lawn reestablishment along edges Trees Nikau 	

	PLAY ITEMS	COSTS
06	PLAY ITEMS	\$993,000
	<ul style="list-style-type: none"> Tower <i>\$400,000</i> flying fox <i>\$60,000</i> giant eagles nest <i>\$34,000</i> serious air swing <i>\$9,000</i> mini tramps <i>\$50,000</i> mouse wheel <i>\$10,000</i> carousel <i>\$31,000</i> scooter carousel <i>\$30,000</i> inclusive twister <i>\$50,000</i> see saw <i>\$6,000</i> rocker <i>\$3,500</i> crazy daisy <i>\$4,500</i> jnr play tower <i>\$36,000</i> blox climber <i>\$55,000</i> swings <i>\$11,000</i> basket swing <i>\$11,000</i> music thing <i>\$6,000</i> log hoppers <i>\$8,000</i> balance beams <i>\$5,000</i> balance posts <i>\$4,500</i> boulders <i>\$18,500</i> mound play <i>\$150,000</i> 	
	SUBTOTAL	\$1,790,000
	PRELIMINARY & GENERAL 12%	\$215,000
	<ul style="list-style-type: none"> Site establishment Fencing for construction 	
	CONTRACTOR MARGIN 5%	\$90,000
	SUBTOTAL	\$2,095,000
	CONTINGENCY 25%	\$525,000
	TOTAL	\$2,620,000



About Boffa Miskell

Boffa Miskell is a leading New Zealand professional services consultancy with offices in Whangarei, Auckland, Hamilton, Tauranga, Wellington, Christchurch, Dunedin, and Queenstown. We work with a wide range of local and international private and public sector clients in the areas of planning, urban design, landscape architecture, landscape planning, ecology, biosecurity, cultural heritage, graphics and mapping. Over the past four decades we have built a reputation for professionalism, innovation and excellence. During this time we have been associated with a significant number of projects that have shaped New Zealand's environment.

www.boffamiskell.co.nz

Whangarei 09 358 2526 **Auckland** 09 358 2526 **Hamilton** 07 960 0006 **Tauranga** 07 571 5511 **Wellington** 04 385 9315 **Christchurch** 03 366 8891 **Queenstown** 03 441 1670 **Dunedin** 03 470 0460