

9. sports and recreation needs analysis

Summary

The feedback received as part of the needs analysis played a key role in developing the concept layout and the subsequent preparation of the master plan. The findings from this first round of engagement and analysis are summarised below.

Feedback from interested residents

- The most frequently sought developments at FRP are focused on provision of green space and trees consistent with stakeholder requested for shelter and shade trees with playgrounds and pathways/tracks to walk, run and cycle.
- There is substantial community latent demand to use parks for sport (organised and informal) and this was supported by the high frequency that development of sports fields was identified.
- Also use for relaxing more often than they currently do
- A new option of a wilderness play experience has significant latent demand and will require a departure in at least part of the new park from highly manicured provision.
- Opportunity exists through the provision of social sport events and other means to increase the opportunity for informal sport occasions to tap into latent demand within these communities
- There is also the opportunity to increase the range of formal sport options to meet latent demand including 'pay for play'.
- There was real support for partnership approaches to the development and use of spaces on the park.

Passive Recreation

Passive recreation includes informal recreation activities such as walking and informal sport activity not organised by club or regional sports organisations. Several consistent themes emerged from feedback from the residents' questionnaire, sports organisations and also from schools, the key ones being:

- The potential of FRP is highly valued as a place for passive recreation because of the large size of the green space
- Infrastructure such as pathways, seating and toilets plus tree plantings for shade and shelter are vital
- Passive recreation use should be encouraged as it provides greater safety and security through passive supervision by users, particularly during low use periods for sport activities
- FRP as venue for large community events such as the Fireworks Display



Car parking



Shelter



Playground

Organised Sports

- Green space at Rolleston Recreation Reserve is currently used by Rolleston Primary School for daily sport programme delivery and recently used for trial of inter-school sports by a cluster of schools. Options for expanding the school grounds are being explored by the MOE for daily PE and sport purposes. The Reserve open green space is an option for provision of some of the junior sport activity. FRP will be preferred venue for the inter-school sports as numbers of students involved grows. There are significant advantages in having all activities at one location
- Club membership growth is exceeding the supply of resources such as fields, club volunteers and has in a number of cases resulted in limits and caps being placed on membership or participation (i.e. touch)
- As juniors progress toward senior play more and higher quality fields and facilities will be required
- There is pressure on clubs to cope with evident rapid growth (especially as they are dependent on volunteer leaders and administrators) and there are evident shortfalls in capacity of physical infrastructure to accommodate current demand let alone future demand
- Need sustainable development reflected in a willingness to partner and share, particularly hub facilities for social and administration for purposes
- Less potential to share playing areas because of seasons overlapping especially pre-season training
- Greatest pressure is on use of playing areas for training and shortage of floodlit areas
- Co-location of high school with new sports park seen as significant added value and duplication should be avoided
- Need to be cognisant of potential role of FRP in sports code provision plans for Greater Christchurch area
- Most clubs see FRP as the future main sports hub in the District
- FRP as venue for sports events with start/ finish/ transition point for sports events such as multi-sport events as well as tournaments and inter-school sports events
- Key sports of football and rugby (in winter) and touch, softball, junior cricket, summer football and athletics (in summer) will require at least a doubling of current field provision by 2021 based on population growth projections and membership trends. This is consistent with the CFAMP projection of need and maintaining the reserves ratio of 3 hectares per 1,000 residents
- More senior fields will be required as current large numbers of juniors cycle through to senior level
- On-going trends towards mid-week games and evening practice will require most fields to be floodlit at least to training standard
- Continuing with premier cricket at Weedons Reserve enables greater flexibility in use of new field areas within the other parks in Rolleston including FRP
- Rolleston Reserve sports fields are still valued but over time will become more informal recreation and junior fields focused (to help meet needs of Rolleston Primary School) when rugby relocates to another park that meets its need for more fields at one location
- Brookside Park is an option to meet the needs of rugby by relocating the rugby clubrooms and share with touch, softball and cricket (artificial wickets)
- Major opportunity to coordinate provision of fields with new high school, particularly for athletics. A rugby field and athletics track on the high school site will be needed to meet school requirements



Training Fields



Netball courts



Lighting of main sports field



Sports Fields



Mounded areas for viewing sports.



Grass softball diamond.

Organised Sports (Continued)

- The land area required for football and its likely year round operation indicates that it is an anchor user of FRP, along with softball, some cricket (artificial wickets), plus some rugby and athletics (at high school)
- Netball a major user of courts is trending towards playing more games (and practices) indoors in other parts of the South Island as provision of indoor courts increases. Most comparable sized population centres in New Zealand have a multi-court indoor facility of at least 2 courts with many having 3, 4 or 5 courts. There is currently latent demand from basketball for a facility with 2-3 courts. The site selected will need the capacity to expand to up to 4 courts as population growth occurs and demand increases for indoor courts
- Major opportunity for netball and tennis to co-locate and share courts at FRP
- Current provision of outdoor courts at Rolleston Reserve will over time convert to more informal recreation focus for pick up games of tennis, basketball and netball or shooting hoops
- A separate public off-lead dog exercise area could be developed in Rolleston. However, new dog by-law allows off-lead use of parks including sports fields is likely to meet demand.
- There is potential for future artificial surface for hockey practice and possibly game use on FRP
- Squash could be included in the future indoor court facility
- Baseball is an emerging sport and can share facilities with softball
- Bowls could be located in the future a Rolleston Recreation Reserve

Future Land Use Allocation for Organised Sport in Rolleston

Analysis of current population projections indicates that about 60% (23 hectares) of the Foster Recreation Park will need to be developed by 2021 to maintain the 3 hectares per 1,000 residents ratio and the entire Park by 2031 and additional land will be needed between 2031 and 2041. This assumes the land area available for senior organised sport and recreation at Rolleston Reserve is reduced in the Town Centre re-development.

The planned future allocation of recreation reserve land in Rolleston for organised sports purposes is based on projected demand identified in the needs analysis report (see appendix) and subsequent research. Allocation decisions have been driven primarily by projected membership (combination of population growth and the popularity of the various sports). It is acknowledged that the actual growth and demand is likely to vary for each sport and adjustments will be made to allocations during the period covered by the Master Plan.

Refer to the table on page 21 outlining present and future sports locations.

Future Land Use Allocation for Organised Sport in Rolleston (Continued)

Refer to the table below outlining Present and Future locations of sports currently operating on Council reserves in the Rolleston area. Please note there will be several additional sports that are likely to operate in the indoor sports hub and high school e.g. basketball, futsal, squash and badminton.

| Now 2013 | First 5 Years 2014 - 2018 | Second 5 Years 2019 - 2023 | Longer term 2024 + |
|-------------------------------|------------------------------|-------------------------------|----------------------------|
| ROLLESTON RESERVE | | | |
| Rugby | | | |
| Touch | | | |
| Softball | | | |
| Tennis | Tennis | Tennis | Tennis |
| Rolleston Netball | Rolleston Netball | Rolleston Netball | |
| BROOKSIDE PARK | | | |
| | Rugby | Rugby | Rugby |
| | Touch | Touch | Touch |
| | Softball | Softball | Softball |
| Athletics | Athletics | | |
| Cricket | Cricket | Cricket | Cricket |
| Football SUFC | | | |
| FOSTER RECREATION PARK | | | |
| | | | Rolleston Netball (hub) |
| | | Athletics (at High School) | Athletics (at High School) |
| | Football SUFC | Football SUFC | Football SUFC |
| | Cricket | Cricket | Cricket |
| WEEDONS RESERVE | | | |
| Cricket (senior oval) | Cricket | Cricket | Cricket |
| Tennis | Tennis | Tennis | Tennis |

Note 1: Athletics - Brookside is an alternative for club non-school

Note 2: Rolleston Netball - Could advance in timeline

Staging of Foster Recreation Park

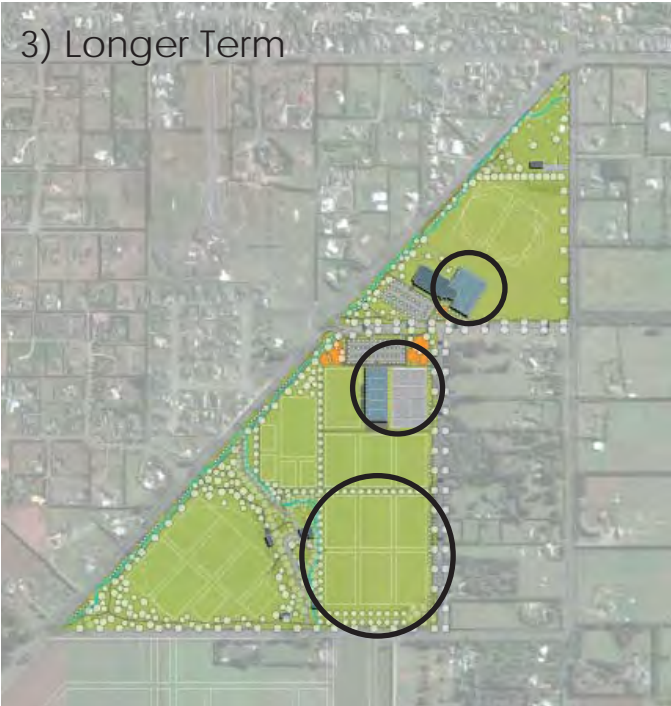
Refer to the 3 images below outlining short, medium and long term staging of Foster Recreation Park, along with icons indicating presence of organised sport at FRP.



- 1) First 5 Years
- Outdoor Sports Hub (Stage 1: Toilets, change facilities and basic clubrooms)
 - 8 hectare Sports Fields
 - Carpark (Stage 1)
 - Play facilities (Kids & youth zone)
 - Landscape treatment, shelter planting
 - High School facilities and Sports Fields
 - Broadlands Drive extension



- 2) Second 5 Years
- Indoor Sports Courts (Stage 1: 2 indoor courts and health & fitness centre)
 - Outdoor Events Hub
 - 8 hectare Sports Fields
 - Foster Homestead works



- 3) Longer Term
- SE Corner 6 Sports Fields
 - Outdoor Sports Hub (Stage 2)
 - Carpark (Stage 2)
 - Indoor Sports Courts (Stage 2: 2 courts)
 - Netball courts constructed
 - Park Lane constructed
 - Artificial Field with lighting

10. hubs

Hubs in a sporting and recreation context are often described as a central core facility that services the social, ablution and administration needs of users.

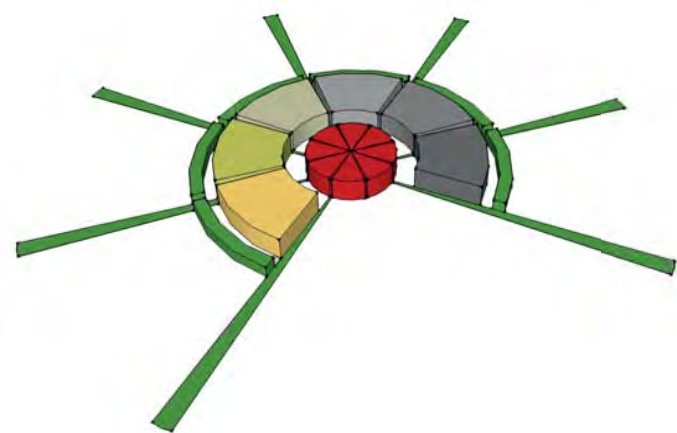
At FRP, three hubs are proposed and while they are essentially 'self contained', there are good physical and visual linkages between them as well as good connections to adjoining residential and other areas. The three hubs will be significant destinations within the park as well as providing essential services such as toilets and food & beverage for casual park users.

The location and scale of each of the hubs reflects the over arching design intent of the "built scape" area at the northern end of FRP anchored by the Aquatic Centre (and planned high school campus) trending to the extensive green space area anchored by the significant trees around the Foster house.

The hubs are referred to as:

- **Facility Sports Hub** (located on north side of Broadlands Drive and features large volume indoor sport and recreation spaces (Option A) alongside the planned high school to maximise use)
- **Outdoor Sports Hub** (located on south side of Broadlands Drive within short walk of high school and features a significant pavilion and possibly indoor sport and recreation spaces (Option B) shared by multiple codes and overlooking outdoor sport fields and courts)
- **Recreation/ Events Hub** (located in former Foster home and garden area and features use of existing trees and shrubs as sheltered and enclosed spaces for informal recreation and small events and supporting major events located to SW of trees to optimise shelter from predominant easterly wind)

Creation of sports hubs are a sustainable response to the changing needs of sporting organisations and combine the economic advantage of co-location with the ebb and flow of popularity that most sports codes experience over time. Development of hubs is a nationwide trend and is an initiative supported by Sport New Zealand.



The Outdoor Sports Hub comprises the following elements:

- | | |
|--|---|
| ■ • Sports facilities building | ■ • Carpark |
| ■ • Playing fields | ■ • Toilets |
| ■ • Fields | ■ • Playground |
| ■ • General sportsfields / training fields | ■ • Infrastructure (paths, changing, storage, etc). |

Circulation: Pedestrian, Cycle and Vehicle

Good access to Foster Recreation Park and clear circulation for both vehicles and pedestrians are key to the successful functioning of the three hubs and to the overall operation of Foster Recreation Park as a sport and recreation destination. Circulation by foot, by cycle or by vehicle needs to be logical and hierarchical and through good design and detailing, signage can be minimised.

Broadlands Drive is a key access road to two of the three hubs - 1) The Facility Sports hub and 2) The Outdoor Sports hub. It is also a potential point of conflict between vehicle and pedestrian circulation.

Two measures will help mitigate this situation:

1. Traffic calming measures on Broadlands Drive to slow traffic and also provide clearly defined safe crossing routes for park users between the two Hubs and their adjacent facilities.
2. Once the new north-south Park Lane is installed and operational it will provide a second route to a majority of the southern sportsfields, park and satellite carparks, and this should reduce traffic volumes on Broadlands Drive.

The development of three separate hubs each with good access by foot, by cycle and by vehicle along different boundaries and each with adjoining or satellite carparks will disperse activity more widely across the park. However, the location of major parking facilities will be concentrated off Broadlands Drive, in association with the two northern hubs.

Currently there are few adjacent sites with walkways or cycleways that link directly to Foster Recreation Park. However, pedestrian access to Foster Recreation Park will be improved as surrounding residential subdivisions are installed.

A cycle and walk link to the Town Centre is highly recommended, either along Tennyson Street or along existing greenway accessway reserves. A cycleway is also recommended to link through into the new Faringdon subdivision. This should be done in accordance with the Selwyn District Council Walking and Cycling Strategy.

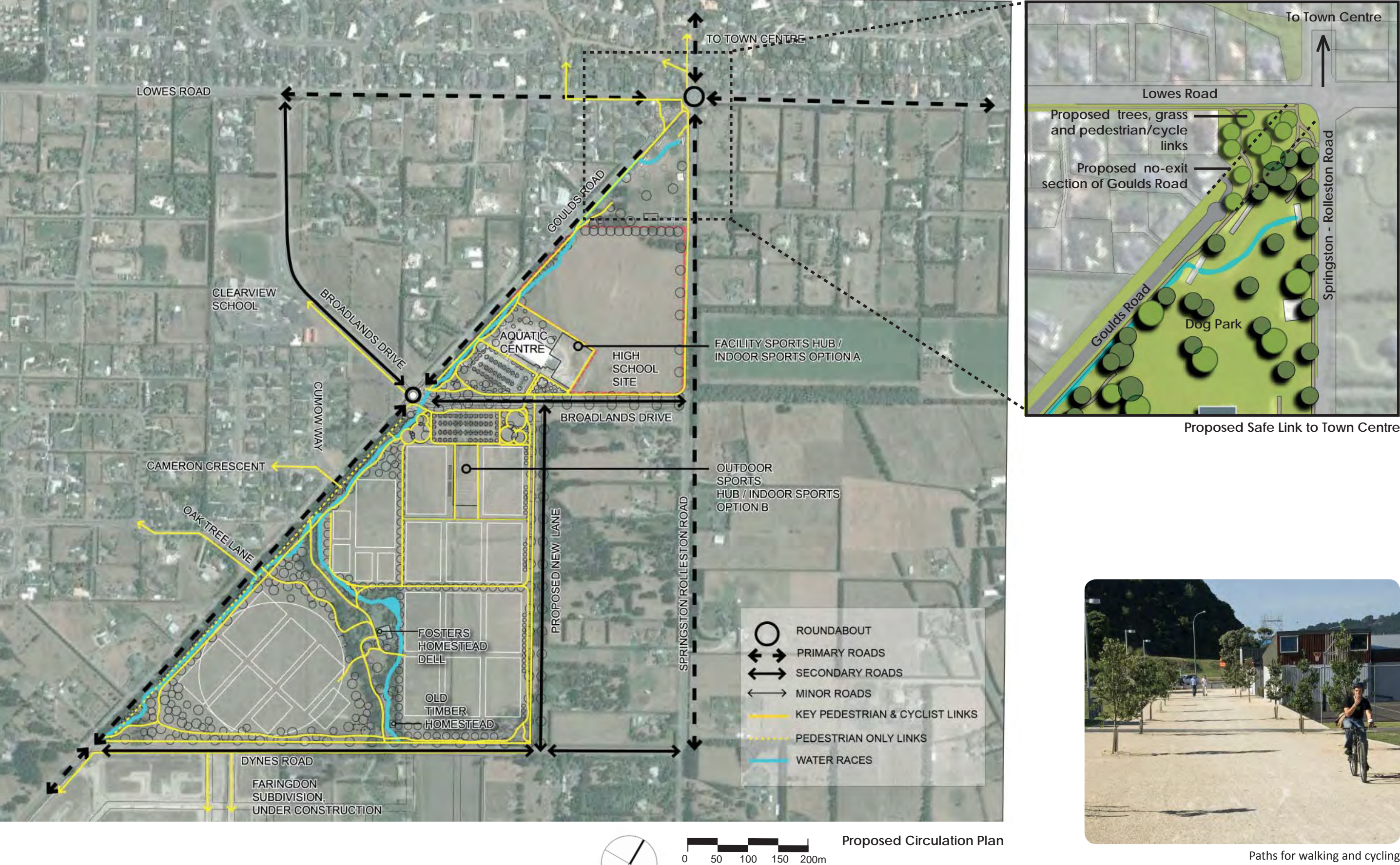
Traffic calming measures will be introduced along Broadlands Drive and the new north-south park lane to the east of Foster Recreation Park, ensuring better access to the Park from surrounding Residential streets.

Safe Link to the Town Centre

Traffic modeling work for the wider Rolleston area has recently been carried out. The work recommends that a section of Goulds Road between Broadlands Drive, Lowes and Springston-Rolleston Road intersection be converted into a high amenity no exit (at the Lowes Road end) slow road with angle parking. The proposed intersection will be signalised (Lowes Road and Springston-Rolleston Road). Refer to image on page 23.

The result of this will be improved safety at the current 5 road roundabout intersection. Also a safer walking and cycling pathway connection will be provided. Pedestrian crossings and links beyond the intersection to Tennyson Road and reserve connections to Town Centre will be provided.

There is direct access via public transport to Foster Recreation Park through the placement of Selwyn Star - Metro bus routes along this section of Broadlands Drive. Bus stops will be placed on either side of Broadlands Drive, and will be located immediately adjacent to the Selwyn Aquatic Centre, and the outdoor sports hub. These bus stops can also serve the planned High School.



Foster Recreation Park Draft Master Plan

Project : C12088
File ref: U:\2012\C12088_PMI_Rolleston_Rec_Masterplan_analysis\Graphics\C12088_001_masterplan_report_FRP\C12088_001_masterplan_report_FRP_DRAFT_ISSUED.indd5

Buildings and Infrastructure

Currently there are few buildings on the site. The Foster Homestead and Selwyn Dog Training Clubrooms will be retained and maintained. The Foster homestead will be used to host small events and support major events located to south-west of the trees. Toilet facilities and other kitchen facilities will be required to be retrofitted to ensure the homestead can host larger numbers.

Many new buildings, including the recently completed Aquatic Centre, will be introduced to the site. These new buildings will predominantly be associated with the Facility Sports Hub and Outdoor Sports Hub. There will also be new buildings associated with the new High School planned within the northern triangle.

Public toilets (shown in adjacent map) are currently located at the Dog Training Park and Selwyn Aquatic Centre. New public toilets will be installed at the Outdoor Sports Hub and at the Recreation Events Hub (Foster Homestead).

A major new sewer line will be installed in the near future, to service Faringdon subdivision. The location of the sewer line will run from Faringdon west along Dynes Road, then north along Goulds Road, and north-east along Broadlands Drive.

It is intended that flood lighting of all fields and courts be provided at FRP to enable winter sport to operate in the evenings. This will have staged roll-out as demand increases and resources become available.

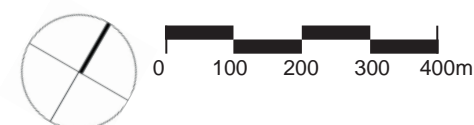
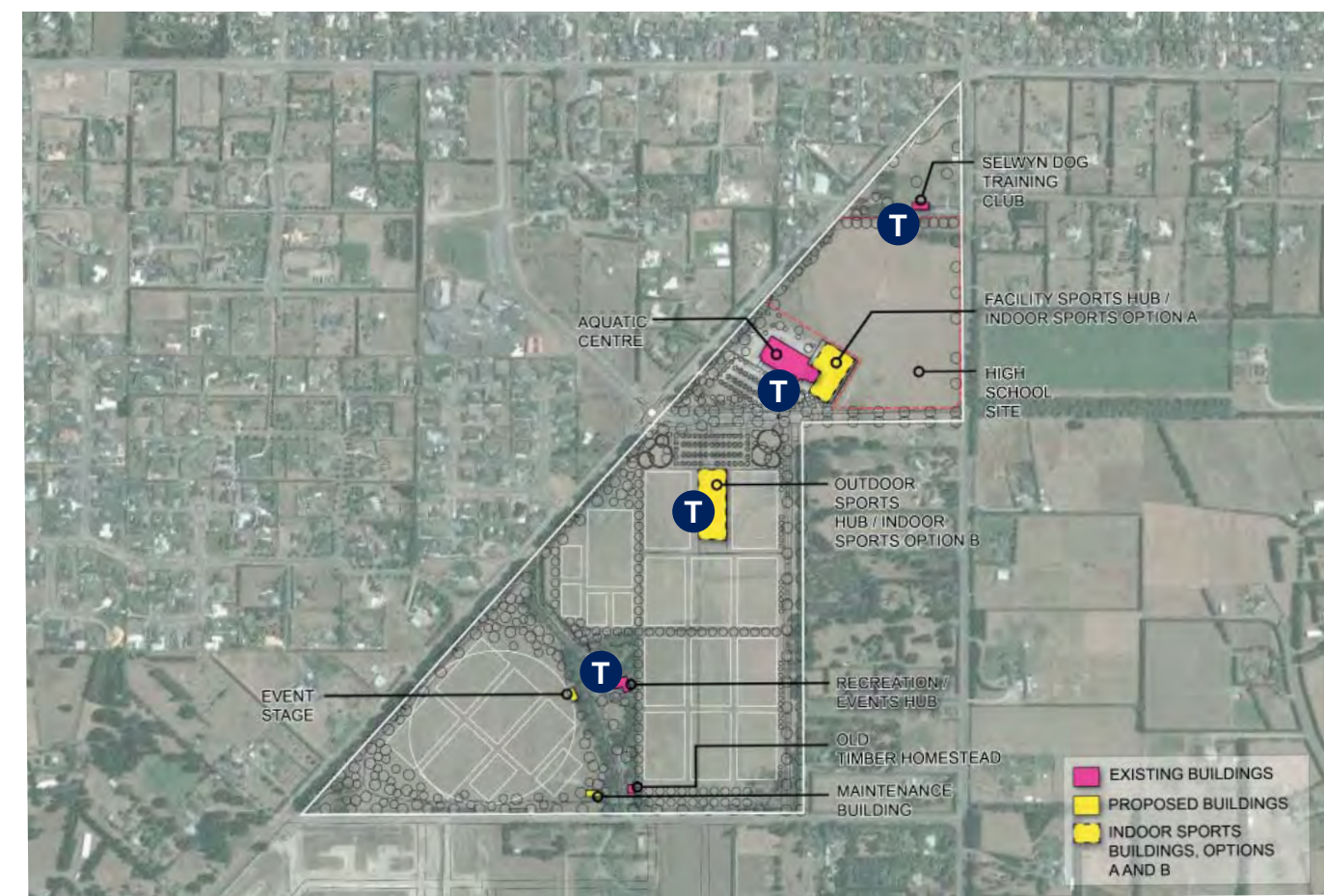
Storage facilities will be provided at the three hubs to cater for requirements of sporting codes. Some codes will need to use trolleys to transport gear to and from these hub storage facilities, however because of the 3 hubs the distances will be kept to below 400m.

Movable stands for seating spectators will be provided adjacent to the No.1 Sports Field. This will cater for larger crowds attending key sporting events at the No.1 Field. However, the stands will also be able to be moved to other locations around the Park should the need arise.

Implications of Partnership with Education

Land within FRP will be sold to the Ministry of Education to enable shared use of facilities for greater benefit to both community sport and recreation users and the students of the new high school. Currently planned school facilities include an indoor sport and hall building, 5 outdoor ball courts and 2 sports fields. These facilities need to be located on land owned by the Ministry (due to legislative requirements). The land area for the indoor court and hall facility (Option A or B) will need to be large enough to accommodate planned expansion of the initial building in a staged approach as the need for indoor sport and recreation space increases through population growth and the trend of increasing use of indoor courts sports such as by Netball, Touch and Futsal.

The intention is for the community indoor courts to operate in an integrated manner with the new Aquatic Centre. Should Option A be favoured, the new school gymnasium buildings could be linked to enable a seamless experience for the school and community user. A single integrated complex would generate capital (such as shared concourse areas) and operational efficiencies over the life of the facility (such as from shared reception, supervision and management). However, the Ministry prefers development of separate facilities at this time.

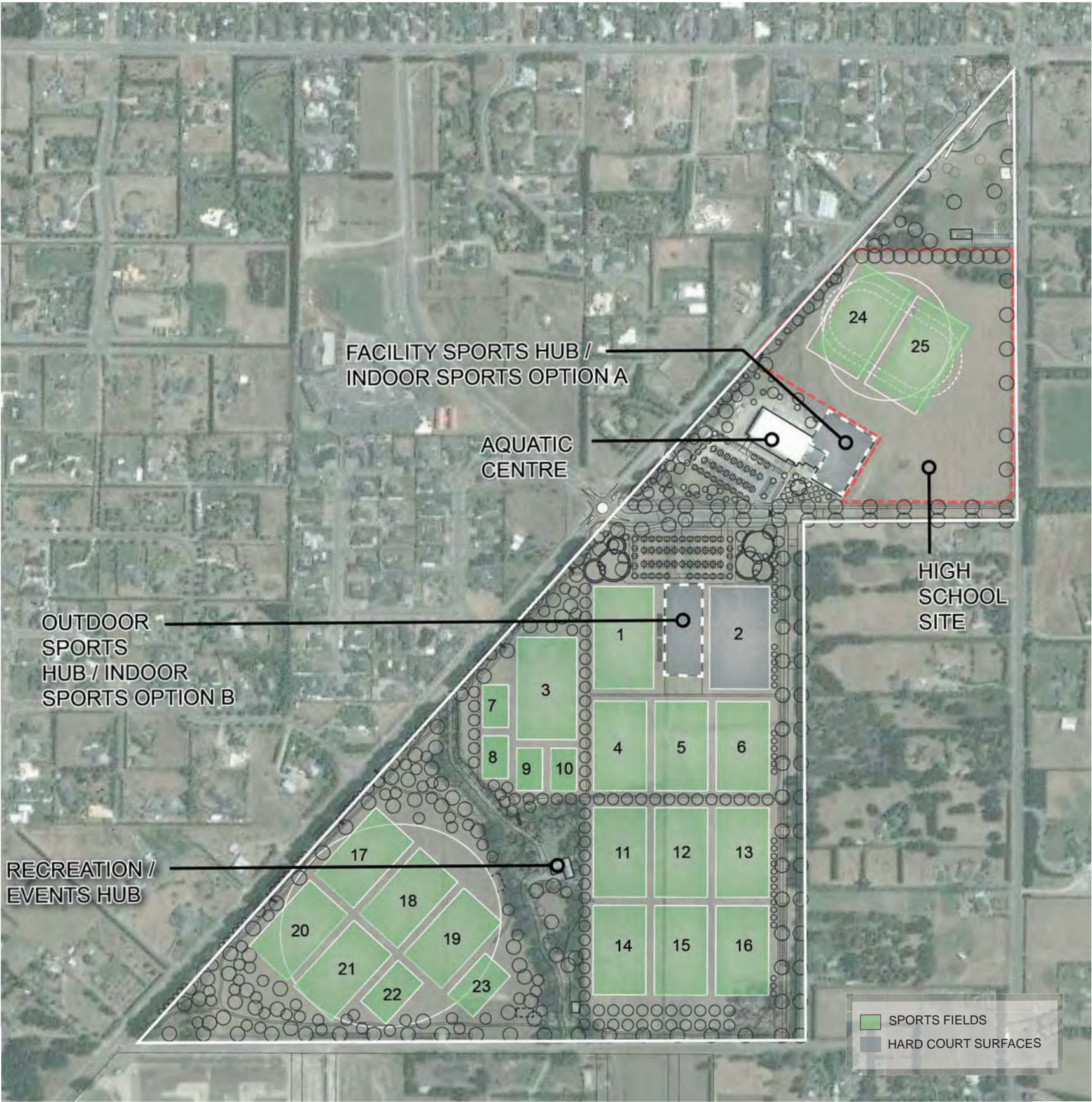


Aquatic Centre recently opened.



Selwyn Dog Training Club rooms at Foster Park.

Foster Recreation Park



Field Utilisation

The overall allocation of fields for use by specific sports codes will be determined by Council based on evident demand from its monitoring of field use and in consultation with the codes. This may mean changes in allocation between codes as demand varies over time. The intention is that fields will be managed to better share the work load (game and training) and enable Council to withdraw individual fields for turf rejuvenation and/or redevelopment as needed in the future.

In general, full-size fields (Rugby or Football) have been marked on the plan. Some junior sized fields are marked where the land area will not accommodate a full-size field. It is recognised that sports such as football are now using a range of field sizes for various junior winter and summer football grades. These smaller sized fields will occupy some of the full-size fields.

The fields closest to the Outdoor Sports Hub are the full sized highest quality fields (120 x 70m). These fields are those used predominantly for the highest (premier) level of games, and therefore are located immediately adjacent to a clubroom facility. These fields would usually be the first to have game standard flood lighting and enhanced drainage installed. Fields with floodlighting to training standard will usually have greater use for training and less use for games than other general fields.

The fields associated with the High School will also be full sized (120 x 70m) and the intention of these will be consistent with the fields of FRP. The 9 fields to the south east of the site (105 x 62m) will also be to a high standard playing surface, and may also be floodlit.

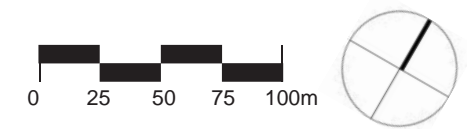
The fields located in the Outdoor events area (south-west corner) will be general fields (105 x 60) that will be used for lower grades and for training. They will be allocated to meet current demand. The allocation of fields will change as new fields become available and floodlighting and improved drainage is installed. This will be a staged process.

Note: See Appendix 2 for field dimensions and orientation diagrams.

Field Utilisation Continued - Brookside Park

The below plan outlines the approximate number of full sized (120x70m) rugby fields that could be located at Brookside Park. 6 full sized fields are able to be positioned within the Park, if the footpath through the Park is moved. However, if the path was to be retained in the current position 5 full sized fields would be able to be positioned.

Cricket could continue to use Brookside Park with the repositioning of the artificial wickets (additional wickets will be located between some of the winter fields at FRP). Softball and athletics may wish to continue to co-locate with rugby and this can be accommodated at Brookside Park with marked track and field, marked grass diamonds plus backstop and side foul ball safety fencing. There is space for a skin diamond (with removable outfield fencing) in the future occupying part of the Park. Baseball is an emerging sport and could potentially share the diamonds with softball. The scale and location of any clubroom that compliments the existing facilities at the Park will need to be determined.



Possible future Brookside Park field layout

Play Facilities

Play facilities are proposed close to the central Outdoor Sports hub carpark, adjacent to Broadlands Drive. The location of this has been selected to cater for users of Foster Recreation Park's sportsfields and facilities but also because it is a highly visible and central area of the Park. There is also likely to be some play facilities in the northern triangle associated with the planned High School.

The play facilities or 'Kids and Youth Zone' will be large and with a wide range of play features catering for a wide range of ages and range of abilities. Particular attention will be taken to ensure good access and play opportunities are available for people with disabilities to enjoy use of the Park. The playground will be comprehensive, thus becoming more of a destination playground for the wider neighbourhoods. It is on the edge of the Park and easily accessible from surrounding Residential areas, and also in between both Clearview School and the proposed High School.

Located amongst the trees surrounding the Foster Homestead and amongst new specimen tree surrounding the events oval will be 'Wilderness Play' zones and small zone of play equipment. These wilderness play zones will be areas with longer grass, mounding, and tree stumps where children can run, play informal games, play and hide in a sheltered and shaded environment.

An outdoor fitness hub shall also be located close to the intersection of Broadlands Drive and Goulds Road. Nodes or 'stations' of outdoor fitness equipment will be located around the Park adjacent to the main cycleway/walkway.

The presence of water races also presents an opportunity to create some safe interaction with water. Water play equipment could be a feature of the new playground with interpretation explaining the importance of careful use of water in the Selwyn District.

Outdoor Fitness Trail

A relatively new trend in fitness provision is the development of exercise equipment able to be located outdoors. Establishment of a fitness trail within FRP provides for casual use of exercise equipment. The trail will improve accessibility to this fitness option and add an outdoor dimension for fitness centre users. The trail will be developed with a main hub of outdoor exercise equipment close to the outdoor sports hub with some equipment stations located along fitness trail route as appropriate.



Modern Play Equipment



Informal Play



Formal Play



Water Play



Outdoor Fitness Hub



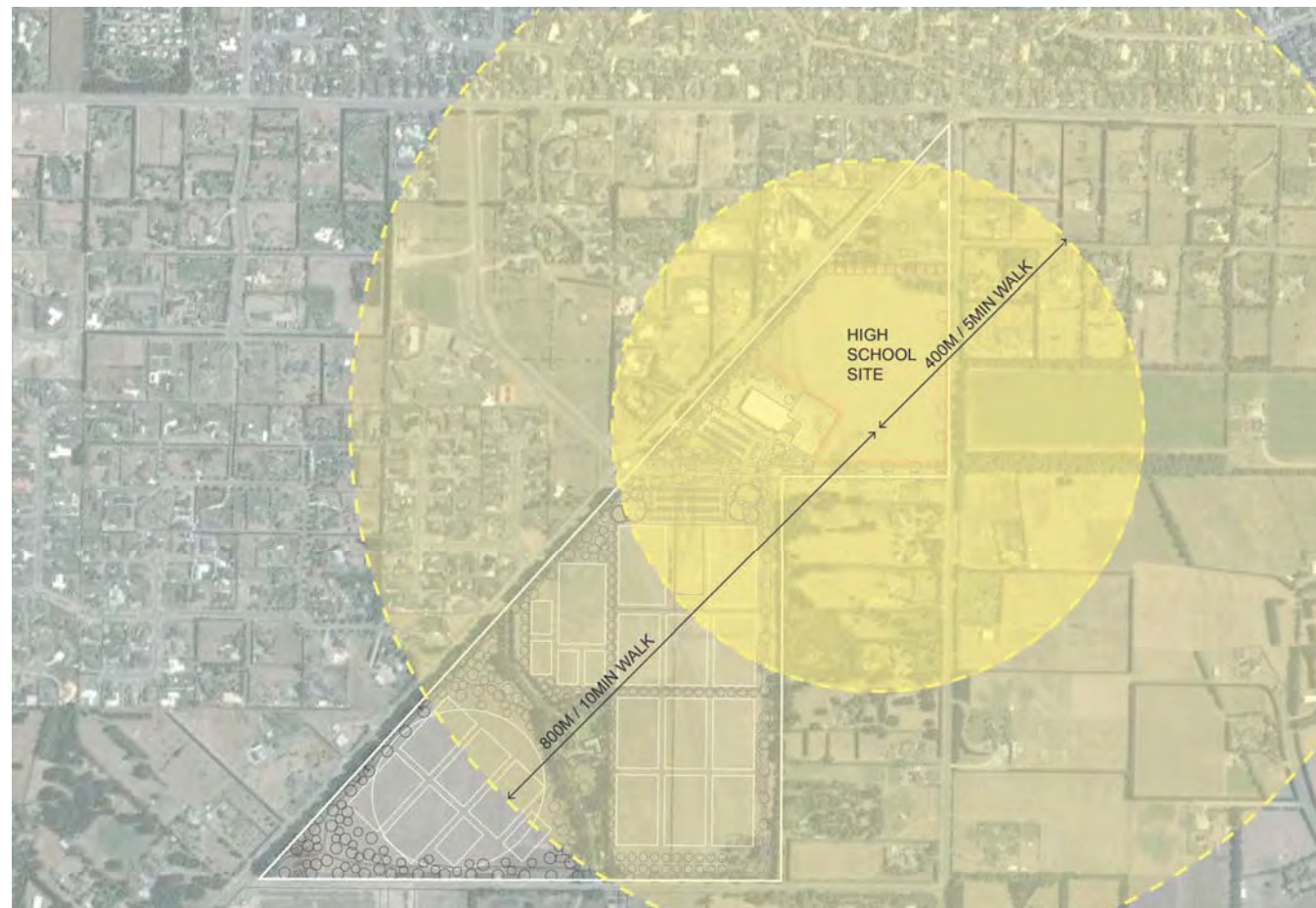
Outdoor Fitness Trail



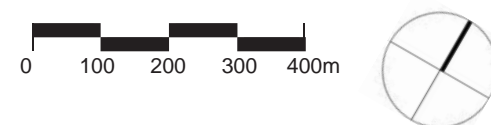
Adventure Play



Wilderness Play



400m / 5 minutes and 800m / 10 minutes Walking Radius



Events

FRP will be able to hold multiple events simultaneously at the 3 Hubs. The wide range of facilities and sizes of areas will enable a broad variety of events, of small, medium and large scale, to be held around FRP at the same time. For example, small outdoor events may be able to be held in the sheltered grassed areas directly adjacent to Foster Homestead while organised sport takes place in the playing fields either side of the Dell.

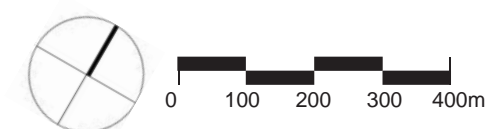
FRP will be able to hold very large events such as the annual Rolleston Fireworks display. In the future, the Events Oval would accommodate large outdoor events such as the Fireworks display. The Events Oval area is approximately twice as big as the current area where the Fireworks event is currently held at Rolleston Reserve. This will allow for expansion into the future should this be required. Carparking will be spread around the Park, with off street, on street and temporary carparking on some fields catering for a higher number of visitors from outside Rolleston to events at FRP by car. This should enable volunteer fundraising at the Fireworks event to continue to increase.

Hub Distances

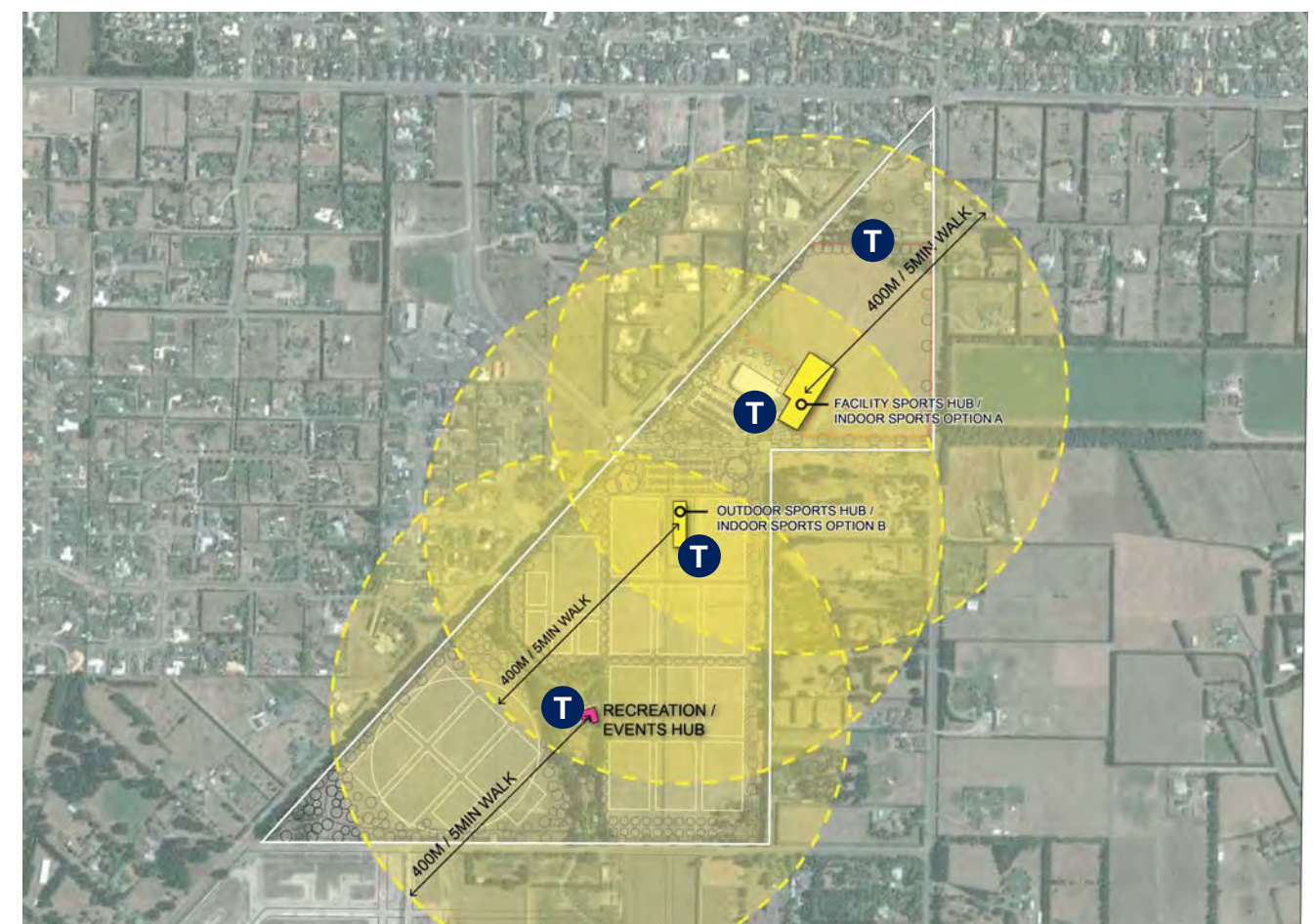
400m radius distances from each of the 3 Hubs are shown in the diagram below. Each 400m radius circle indicates the pedestrian distance walked in approximately 5 minutes travel. This clearly illustrates that each of the 3 Hubs adequately service a large majority of the park, and that the Outdoor Sports Hub is very centrally located within the Park.

The diagram to the left illustrates the pedestrian distance walked in approximately 5 minutes and 10 minutes travel from the high school. This clearly illustrates that a majority of the Park can be walked to from the school within 10 minutes. The Outdoor Sports Hub is also less than a 5 minute walk from the school.

The users of the northern two hubs are likely to move frequently on foot between the two sites either side of Broadlands Drive. We understand that Broadlands Drive is a feeder road in the road hierarchy and as such should have significant traffic calming too slow vehicles and the top priority mode should be the most vulnerable users (those on foot), followed by those on bikes then vehicles.



400m / 5 minutes Walking Radius



Ecological Enhancement

The linear water race along Goulds Road will be realigned into the site. The new waterway will be placed in irregular curves on the east side of the existing row of Gum trees. Its width will vary, and its banks will be planted in places with native flaxes, groundcover and small shrubs. The change in position will allow edge of road parking pods to be installed in groups along Goulds Road. The Gum trees will be retained in the short term until vegetation associated with the new waterway and new western edge tree planting has been installed and allowed to grow on.

Realignment and rehabilitation of the waterway will achieve several things:

- Restore and enhance waterways appearance;
- Reshaping the edges and planting will improve their ecological value;
- Allow edge of road parking pods to be installed in groups along Goulds Road;
- Provide an appropriate context and edge to Foster Recreation Park;
- Provide play opportunities with water in the area adjacent to the new Kids and Youth Zone Play facility;
- Create a long term attractive vegetated buffer along Goulds Road.

The visually appealing waterway and pond area through the Fosters Homestead area will also be protected and enhanced with further vegetation and landscape treatment. This will add to this very attractive area and create more spaces for passive recreation and picnic areas.

Throughout Foster Recreation Park, a wide variety of trees and plants will be introduced. Where appropriate, species chosen shall be hardy native trees and shrubs, that shall increase the ecological diversity of the vegetation on site, as well as increase visual amenity and wind shelter.



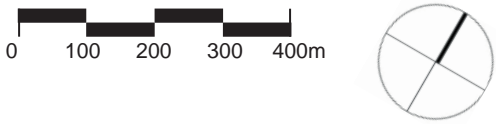
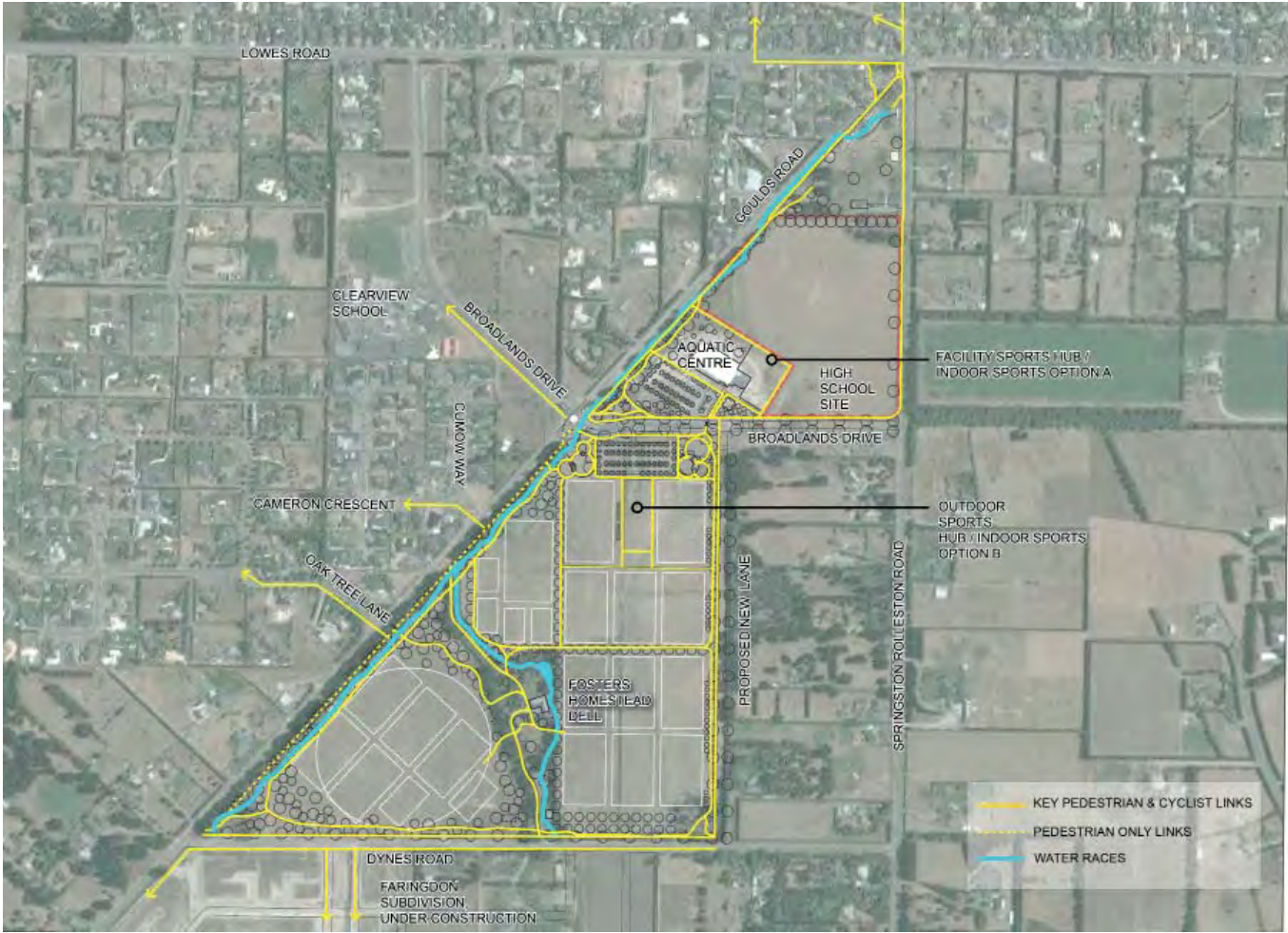
Water Races



Waterway through Foster Dog Park



Re-profiled and rehabilitated water channel section



Walkways / Cycleways

A comprehensive network of footpaths, walkways and cycleways are planned for Foster Recreation Park. A hierarchy of pedestrian walkways, cycleways, boardwalks and road crossings are set out in the master plan. The intention is not to standardise the design of all of the paths and cycleway throughout the park because it is important that the design, materials and maintenance are appropriate to the character of the location and also the type and level of use. However, shared cycleways and walkways will predominantly be asphalt and a minimum of 2.2m width. Seating will be provided at strategic locations around the park, adjacent to pathways.

With a logical hierarchy of walkways and cycleways and attention to design details such as drainage, surfaces, bollards and signage, it will ensure these can be used year round. The walkway and cycleway network provides users (including people with disabilities) with a variety of loop options of varying length so they can tailor a route to the time available. Walkways and cycleways will also link to surrounding residential walkways and cycleways in accordance with the Selwyn District Council Walking and Cycling Strategy. Bike parking will be provided at strategic locations.



Foster Homestead Entrance



Structured tree planting proposed



Foster Homestead Garden

Car Parking

The master plan proposes a total of 716 off street sealed carparks. Two major parking facilities that will be concentrated off Broadlands Drive, in association with the two northern hubs: 1) The Facility Sports Hub in the northern triangle, and 2) The Outdoor Sports Hub just to the south of Broadlands Drive. Approximately 162 carparks will be provided at the Facility Sports Hub carpark (increased from the current 72 carparks) which is located adjacent to the Aquatic Centre, and approximately 202 carparks will be provided at the Outdoor Sports Hub carpark.

The development of three separate hubs each with good vehicular access along different boundaries and each with adjoining or satellite carparks will disperse activity more widely across the park. Off-street parking (perpendicular) adjacent to streets on the park boundaries will also spread the load during peak times or when large events are held on site. The off-street perpendicular parking along with on-street parallel parking will provide parking in close proximity to all parts of the Park, especially to fields.

A small amount of visitor parking will be provided for adjacent to the Foster Homestead. This will cater for passive recreation users in this area including those people using the grounds for picnics and informal play. It will also cater for visitors to the area should a small cafe be set up at the Homestead in the future.

Bikes and mobility scooter parking will be provided at the three Hubs.

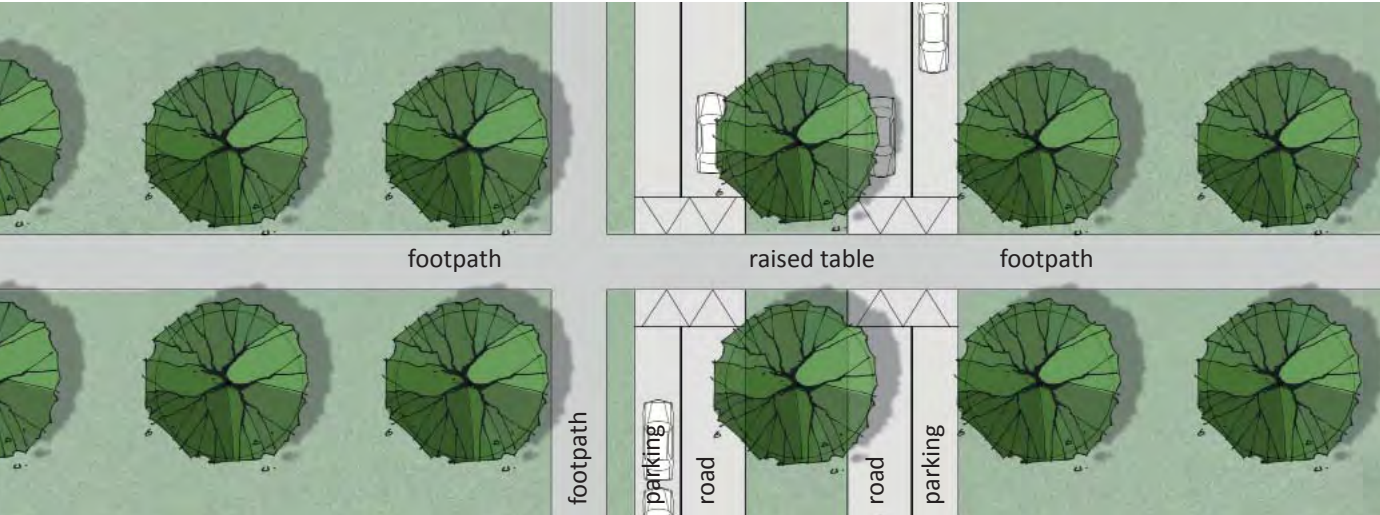
See map to the right outlining the approximate number of carparks that will be provided for on site (Note - numbers shown exclude on-street edge (parallel) road parking numbers, but include perpendicular off-street park boundary parking numbers).



Typical Broadlands Drive Section:



Typical Broadland Drive Plan:



Traffic Calming

Because Broadlands Drive crosses through Foster Recreation Park, safety will be a high priority, especially considering the number of young people likely to be crossing from the High School site to the southern part of the Park. Raised sections of the carriageway will provide much safer crossing options for park users. This treatment is also recommended for the new north-south one way park Lane to the east of the southern Park site. A pedestrian crossing is also recommended across Broadlands Drive.



Example of Traffic Calming : Raised tables and ramps

Low Impact Design

Low impact design (LID) can be incorporated into many parts of Foster Recreation Park. .

The landscape, ecological and hydrological values of the water races can be improved with relocation, reshaping, and riparian planting. They will then become positive landscape and ecological features in the park; also once planting is established maintenance should be reduced. The visually appealing waterway and pond area through the Fosters Homestead area will also be protected and enhanced with further vegetation and landscape treatment.

Not all grassed areas of Foster Recreation Park will be mown regularly. Some areas adjacent to Foster's Homestead and the Events Oval will be more informal zones, where grass may be mown 3 - 4 times a year. Native ground cover and shrubs adjacent to these areas and the waterways will also be more natural areas with less active maintenance. These areas will be excellent zones for children to play amongst, where undulating terrain and more native vegetation allow informal play and adventure.

Stormwater runoff from hard stand zones shall be collected and used in Bioretention (Rain) Gardens or to water new specimen trees, to supplant requirements of irrigation.



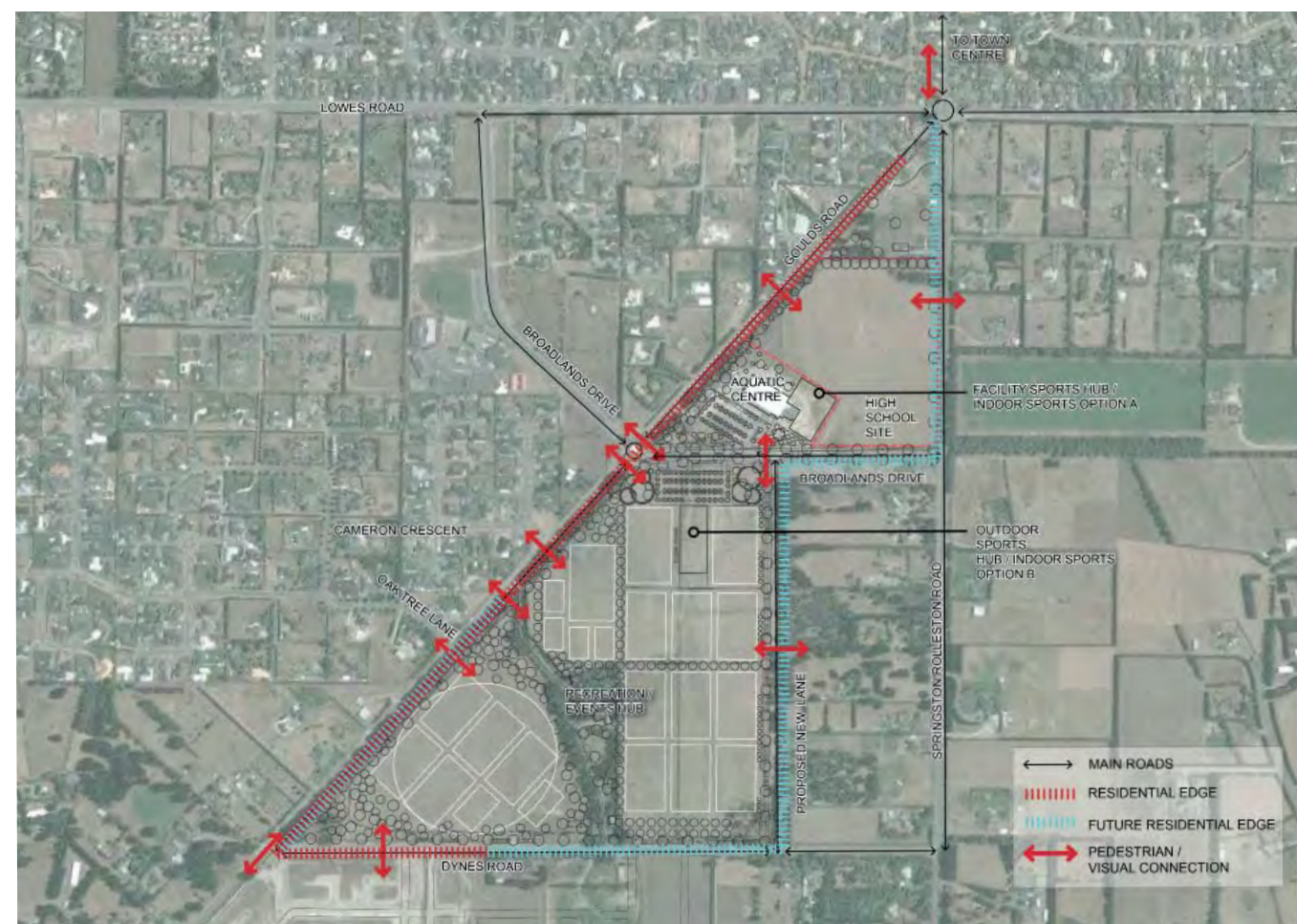
Rain gardens



Foster Homestead Pond



Foster Homestead Pond

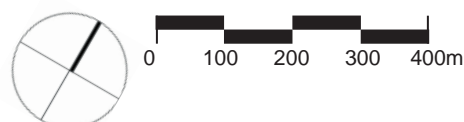


Residential Edge

The layout and design of the future residential subdivisions will significantly influence the functioning of the Foster Recreation Park. The development of the Foster Recreation Park master plan has provided an opportunity to create an active edge to the park and the potential to add value to both the subdivision and to the park.

The proposed layout and design for Foster Recreation Park incorporates the following key urban design principles:

- The location of new buildings in the Park have been concentrated centrally, adjacent to Broadlands Drive;
- No housing (only roads) along the park edge which avoids owners building back fences along their boundaries;
- Provision for parking along street edges of Park and angle parking to increase capacity;
- Physical, visual and open space linkages with Goulds Road and Dynes Road and the associated walkway and cycleway;
- Adjoining residential properties will provide passive surveillance, and thus provide a level of security and safety to park users;
- Higher value outlook for many properties;



Treatment of residential development along edge of the park.



Example of Residential edge



Example of residential development along edge of the park.

Park Furniture and Materials

A robust, well designed suite of park furniture is proposed that is functional, easily maintained and readily available. This will be used throughout the park and thus help to create consistency and a strong identify and aesthetic.

Design will be in accordance with Selwyn District Council regulations and some items such as litter bins will be standard Selwyn District Council models.

Examples of appropriate park furniture:



Picnic tables



Seating



Toilets



Signage

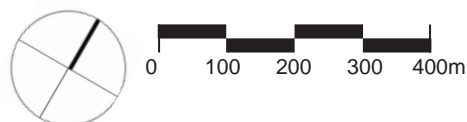
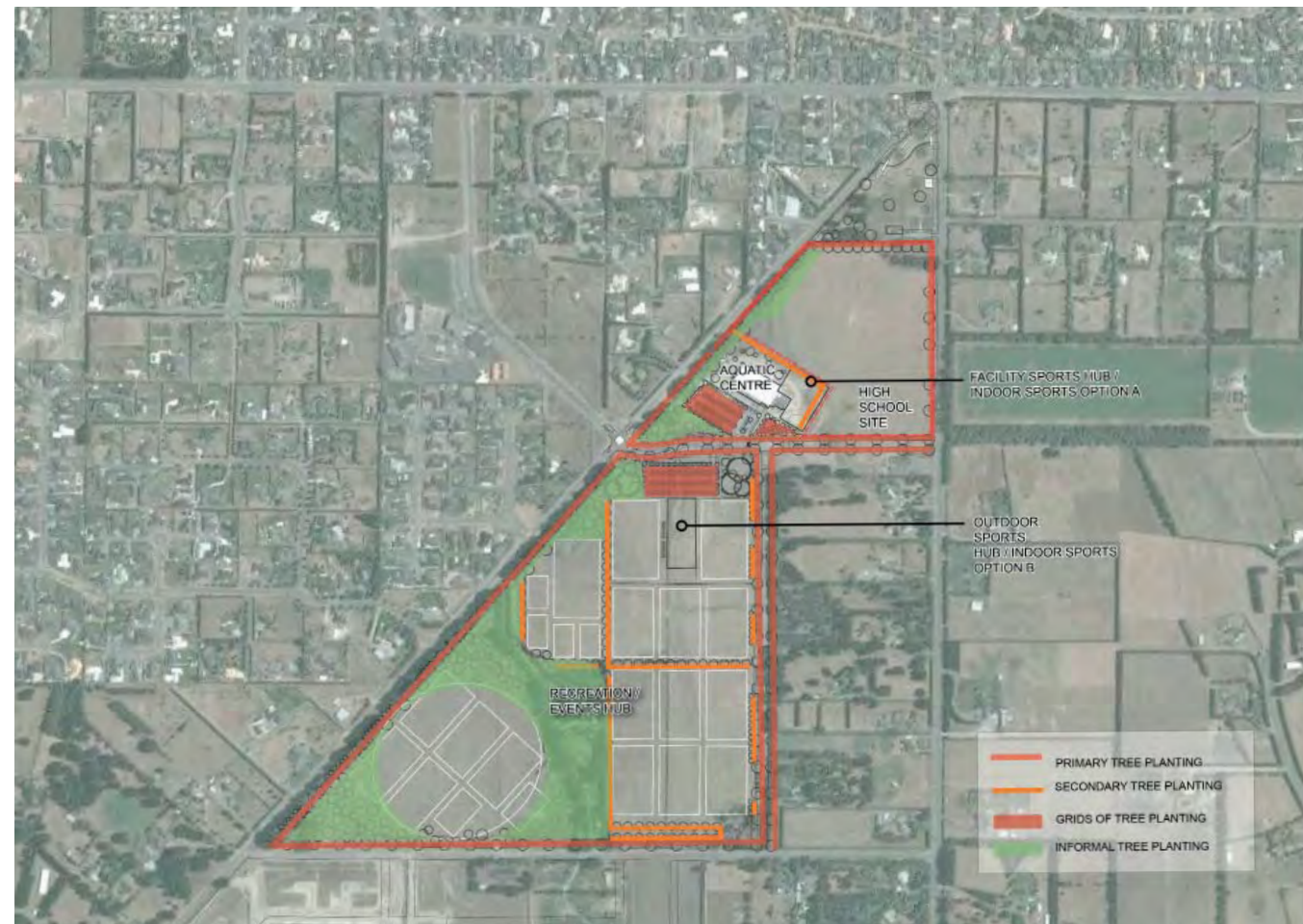


Wayfinding signage



Edge treatment

Foster Recreation Park



Tree Framework

A tree framework throughout all of Foster Recreation Park to add to the existing trees on site will achieve several things:

- Provide a degree of enclosure to what by necessity are large, open playing fields
- Definition, theme and diversity to each of the three hubs
- Provide human scale to many areas
- Improve shade and shelter
- Enhance walkways
- Improve aesthetics
- Strengthen the open space pattern of the park, particularly in its wider context.

The planting proposed will introduce a tree grid in several parts of the park, including carpark areas, but the current, largely informal tree pattern will also be reinforced especially near the Foster Homestead and the Events Oval.

Trees and other planting will be based on an overall strategy and implementation plan, which can be budgeted for annually. The strategy will provide a planting plan with design details, species to be used, and guide how they should be managed and maintained.

The existing Gum trees along the Goulds Road boundary will be retained in the short term until vegetation associated with the new waterway and new western edge tree planting has been installed and allowed to grow on.

There is potential to include fruit and nut trees as part of the planting plan.



Informal tree planting



Structured tree planting - Grids

Celebrating History and Interpretation

There are great opportunities to celebrate Foster Recreation Park interesting geological, social and cultural history along the walkways and paths, along the relocated waterway and near the Foster Homestead. This could be done in situ with interpretation signs and panels. Such elements are part of the park furniture and therefore need to be considered as part of this suite of elements and not in isolation

Other interpretation panels could describe and illustrate future development stages and proposals, such as the realignment and rehabilitation of the Waterway.

There is potential for a community project to restore the old timber house to the south of the Foster Homestead and convert it for a community use of some kind.



Foster Recreation Park

Project : C12088

File ref: U:\2012\C12088_PMI_Rolleston_Rec_Masterplan_analysis\Graphics\C12088_001_masterplan_report_FRP\C12088_001_masterplan_report_FRP_DRAFT_ISSUED.indd5

11. implementation programme

Council Costs

Council budgets shown below include operational costs and capital costs. Capital costs relate to physical works such as street upgrades, open space enhancements or development of Council land/assets. Capital costs must be secured through the Council's Annual Plan process, unless they are deemed to be minor works which can be funded through budgets already allocated in a current annual or Long Term Plan.

It is noted that the figures shown within the implementation table are preliminary costings. The Council will still need to complete detailed costings in conjunction with the Council's Annual and Long Term Plan. Council activities and priorities change over time and therefore the projects will be contestable as part of the review of the Long Term Plan. This review involves the identification and prioritisation of projects across the whole district and is undertaken three yearly.

For Council Costs:

\$ = below \$50,000 \$\$\$ = \$200,000 - \$1m \$\$\$\$\$ = above \$5m
 \$\$ = \$50,000 - \$200,000 \$\$\$\$ = \$1m - \$5m

First Five Years (2014 - 2018)

| Priority Actions/Moves | Who | Council Role | Estimated Cost | Possible Funding Source |
|--|--|---|----------------|--|
| • Outdoor Sports Hub Stage 1 (Toilets change storage) | Council | Builds basic facility | \$\$\$ | Development contributions/ general rate contributions/loan |
| • Outdoor Sports Hub Stage 1 (basic club lounge, bar & kitchen) | Governing Entity & member clubs/ Council | Facilitation and minor funder | \$\$\$ | External grants, club funds and SDC grant/loan |
| • Outdoor sports fields (8 ha approx) | Council | Delivers works | \$\$\$\$ | Development contributions and gain on land sale |
| • Game level lighting (1 field \$250K) and training lighting (7 fields @ \$50K each) | Council/ Governing Entity & member clubs | Delivers works | \$\$\$ | Development contributions and club contributions |
| • Play facility | Council | Delivers works | \$\$\$ | Development contributions and external grants |
| • Car park stage 1 (3,000m2 @ \$65m2) | Council | Delivers works | \$\$ | Development contributions |
| • Landscape treatment (pathways, park furniture, planting) | Council | Delivers works | \$\$\$ | Development contributions |
| • Shelter planting | Council | Delivers works | \$\$ | Development contributions/targeted rates |
| • Reconfiguration of Brookside (changing wickets & realign fields and lighting) | Council/clubs | Delivers works | \$\$ | Development contributions/targeted rates/external grants |
| • Rugby Clubroom | Council/ Governing Entity & member clubs | Facilitation and financial contributor | \$\$\$ | External grants, club funds and SDC grant/loan |
| • High school facilities | MOE | Advocate for partnership and community access | MOE | No council funding |
| • Broadlands Drive extension to Springston-Rolleston Road | MOE/Council | Delivers works | \$\$\$ | Development contributions and MOE contribution |

Second Five Years (2019 - 2023)

| Priority Actions/Moves | Who | Council Role | Estimated Cost | Possible Funding Source |
|---|--|--------------------------------------|----------------|--|
| • Indoor sports court facility stage 1 (2 courts) | Council | Deliver project and seek partnership | \$\$\$\$ | Development contributions/external grants/loan |
| • Health & fitness centre | Council /Partner | Deliver project and seek partnership | \$\$\$ | Development contributions/external grants/loan |
| • Outdoor events hub (toilets, stage, power & lighting) | Council | Delivers works | \$\$\$ | Development contributions/ loan/external grants |
| • Outdoor sports fields (8 ha approx) | Council | Delivers works | \$\$\$ | Development contributions |
| • Game level lighting training lighting (5 fields @ \$50K each) | Council/ Governing Entity & member clubs | Delivers works | \$\$\$ | Development contributions and club contributions |
| • Foster Homestead works and ancillary facilities | Council | Deliver project and seek partnership | \$\$\$ | Development contributions/targeted rates/external grants |

Third Five Years and Beyond (2024 +)

| Priority Actions/Moves | Who | Council Role | Estimated Cost | Possible Funding Source |
|---|---|--------------------------------------|----------------|---|
| • Outdoor sports fields (8 ha approx) | Council | Delivers works | \$\$\$ | Development contributions |
| • Game level lighting training lighting (5 fields @ \$50K each) | Council/ governing entity & member clubs | Delivers works | \$\$\$ | Development contributions/ governing entity and member club contributions / loan/external grants |
| • Outdoor sports hub stage 2 expansion of club facilities | Council/ governing entity & member clubs | Facilitation and minority funder | \$\$\$ | External grants, governing entity and member club funds and SDC grant/loan |
| • Park Lane road development and associated parking | Council / private developers | Facilitation and part funder | \$\$\$\$ | Development contributions |
| • Outdoor sports hub stage 2 car park expansion | Council | Delivers works | \$\$\$ | Development contributions |
| • Indoor courts stage 2 | Council | Deliver project and seek partnership | \$\$\$\$ | Development contributions/external grants/loan |
| • Netball courts hub (12 courts) | Council/ Selwyn Netball and governing entity & member clubs | Delivers works and part funder | \$\$\$ | Development contributions/external grants/loan/ Selwyn Netball and governing entity & member club contributions |
| • Artificial field with floodlighting | Council/ governing entity & member clubs | Delivers works and part funder | \$\$\$\$ | Development contributions/external grants/loan/ governing entity and member club contributions |

12. bibliography

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- The Greater Christchurch Urban Development Strategy
- The Places and Spaces for Sport and Recreation in Greater Christchurch Plan (2012)
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- Selwyn Predicted Population data
- Community Facilities Activity Management Plan (2011)
- Rolleston Structure Plan (2009)
- Libraries Strategy
- Walking and Cycling Strategy (2009)
- The Selwyn District Plan
- The District Wide Strategy (under development)
- Decision on the Notice of Requirement for the Rolleston Recreation Precinct (2011)
- The Rolleston Sports Field Allocation Plan (2006)
- Utilization data for sports parks captured for Activity Management Planning purposes
- Sport NZ surveys on participation
- Data on school participation in sports
- MoE Report on new Secondary School in Rolleston - Aecom (2012)
- Foster Recreation Park Needs Assessment Report - GLG (2013)
- Park Island Masterplan Report - BML (2013)
- Aquatic Centre Plans - Warren and Mahoney Architects (2013)
- Territorial Authority / School Facilities Partnerships – A Guide - Visitor Solutions Ltd (2011)
- How to Set Up A Sportsville – The Hutt City Approach (2012)
- Sport NZ Sport Partnership Project: A review of eight high profile sport club partnerships - Sport Guidance Ltd (2008)
- Territorial Authority Community Sport and Recreation. Facility Management Choices in New Zealand – Research Report (2013)
- Draft Land Use Recovery Plan (LURP) - Canterbury Earthquake Recovery Authority (CERA) (2013)

13. appendices

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| Appendix 1: FRP Needs Assessment Report |
| Appendix 2: Field Dimensions and Orientation |

Appendix 2: Field Dimensions and Orientation

Ideal Orientation of sports fields

Football, five-a-side, Australian rules, Gaelic, Rugby league, Rugby union – between 20° west of north and 45° east of north.

Cricket pitches must run approximately north/south to minimise the risk of batsmen or bowlers facing a low sun. The pitch axis must point in a direction between 55° and 325° on the compass.

Tennis courts must be oriented with play along an approximate north/south axis.

Dimensions

Football: The field of play is rectangular. The length of the sideline must be longer than the length of the goal line. Measurements are as follows:

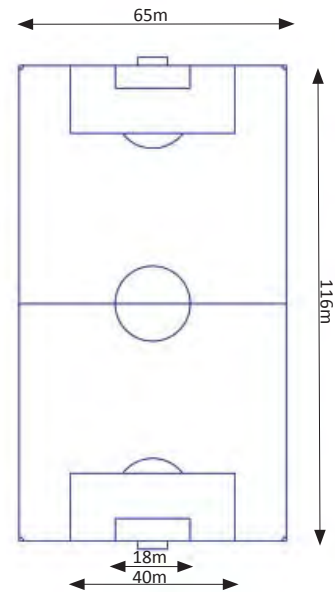
- length – minimum 90m - maximum 120m
- width – minimum 45m - maximum 90m

International matches

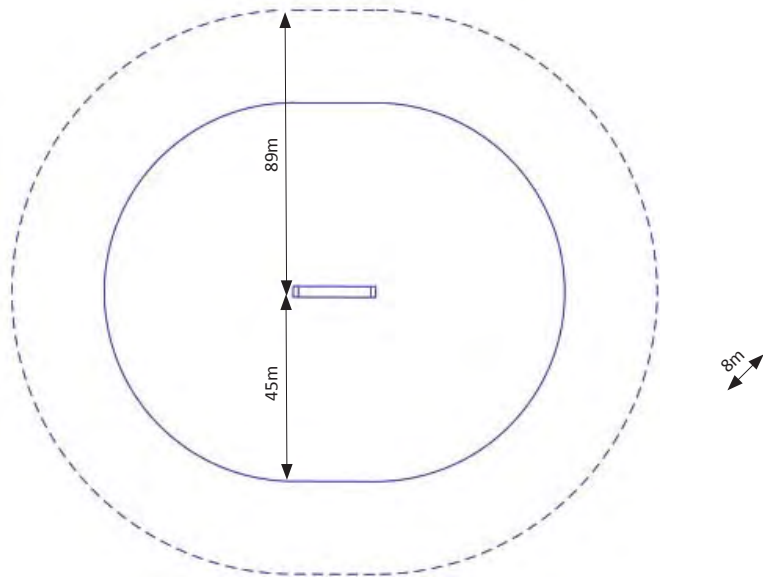
- length – 105m
- width – 68m

It is recommended that there is a minimum 3m space around the pitch. In the interest of player safety it is advisable to increase this distance wherever possible

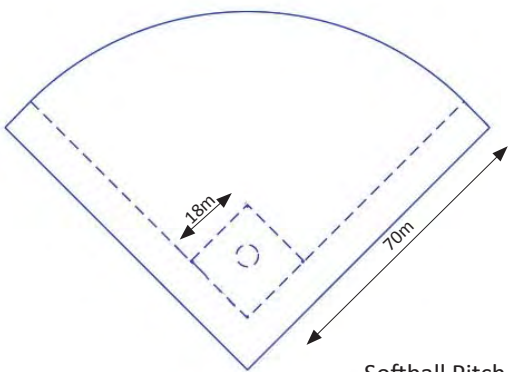
Rugby: The field of play is 100m long and 70m wide. Each in-goal area is 22m long and 70m wide. The distance from the goal line to the dead ball line is a minimum of 10m. That is field length range from 120m to 144m long by 70m wide.



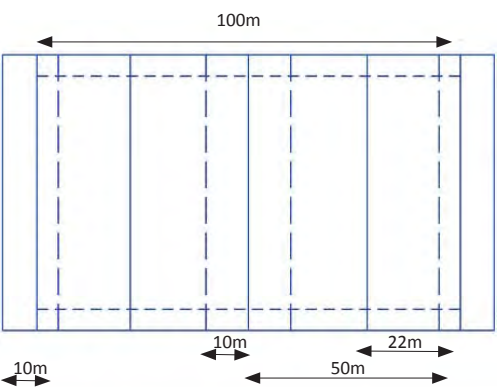
Football Field



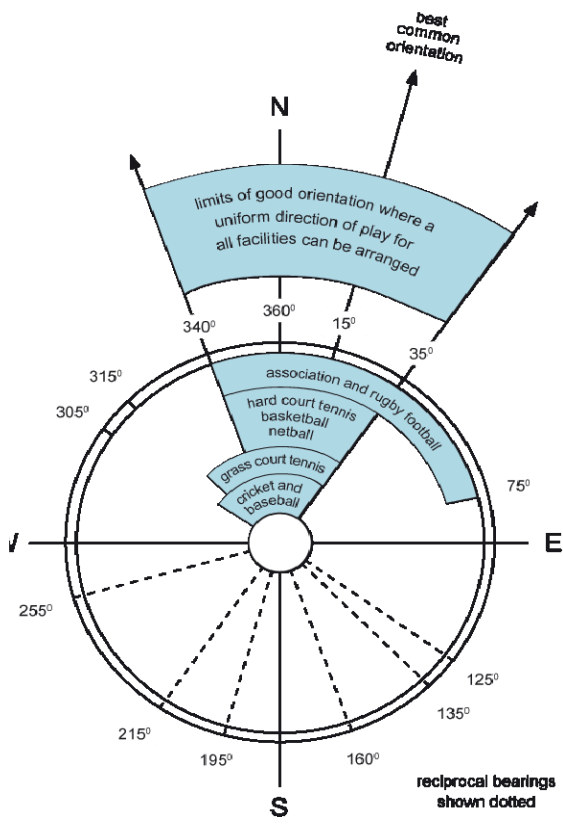
Cricket Oval



Softball Pitch



Rugby - Rugby League Field



Ideal Field Orientation