

DENMARK GYMNASTICS CLUB

GYMNASIUM FOR ALL



CSRFF FORWARD PLANNING GRANT APPLICATION

2016

This is a shortened version of the application due to its size. A copy of the entire application, including letters of support and quotes, can be found on our website at www.denmark.wa.gov.au or at the Shire Administration Office.

16 August 2016 - Attachment 8.2.1a



Government of **Western Australia**
Department of **Sport and Recreation**

| |
|----------------------------|
| Office Use Only |
| TRIM: _____ |
| Grant No: _____ |
| Project Coordinator: _____ |

CSRFF Small Grants Application Form

For projects up to \$200,000 to be acquitted by 15 June 2017

You MUST discuss your project with an officer from your nearest Department of Sport and Recreation office before completing and submitting your application. Failure to do so will render your project ineligible.

All applications MUST be submitted to your local government. Contact your local government to determine the cut-off date for the submission of applications.

| | | |
|-----------------------------|--------------------|----------------|
| DSR Contact: Chris Thompson | Date: 20 June 2016 | Office: Albany |
|-----------------------------|--------------------|----------------|

Applicant's Details:

| | | | | | |
|--------------------|------------------------|--------|----|-----------|------|
| Organisation Name: | Denmark Gymnastics Inc | | | | |
| Postal Address: | PO BOX 434 | | | | |
| Suburb: | Denmark | State: | WA | Postcode: | 6333 |
| Street Address: | 21 Brazier St | | | | |
| Suburb: | Denmark | State: | WA | Postcode: | 6333 |

Preferred Contact Person:

All application correspondence will be directed to this person

| | | | |
|-----------------|--------------|------------|---|
| Name: | Katy Rutter | Title: | Dr <input type="checkbox"/> Mr <input type="checkbox"/> Mrs <input checked="" type="checkbox"/> Ms <input type="checkbox"/> |
| Position Held: | President | | |
| Business Phone: | | Facsimile: | |
| Mobile Phone: | 0422 520 188 | Email: | rutter_katy@hotmail.com |

Organisation Business Details:

| | | |
|--|---|---|
| Does your organisation have an ABN? | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | ABN: 60127196360 |
| Is your organisation registered for GST? | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | * Note, in order to be eligible for funding you must attach a copy of the Incorporation Certificate. LGA's exempt |
| Is your organisation not-for-profit? | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | |
| Is your organisation incorporated? | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | Incorporation #: A1016889T |
| Bank details: | Bank: National Australia Bank | BSB: 086 595 A/c: 151446456 |

Local Government Authority Details:

| | | | |
|-----------------|------------------|------------|---|
| LGA: | Shire of Denmark | | |
| Contact: | Cliff Frewing | Title: | Dr <input type="checkbox"/> Mr <input checked="" type="checkbox"/> Mrs <input type="checkbox"/> Ms <input type="checkbox"/> |
| Position Held: | CEO | | |
| Business Phone: | 08 9880300 | Facsimile: | 08 98481985 |
| Mobile Phone: | | Email: | ceo@denmark.wa.gov.au |

PROJECT DETAILS

Project Description:

Denmark Gymnasium for All: Construction of a purpose built 495 sqm shed to set up gymnastics equipment including a 196sqm floor area for multi-use with other performing and martial arts.

How did you establish a need for your project?

We believe that we can offer greater opportunity for physical activity to many more people in the Great Southern. For 40 weeks of every year for the past 3 years we have had to 'build' a gymnasium every week and then pack it down again. This effort is costly in time, energy and in wear on equipment. Not only that, the Rec. centre is used by many other clubs so time availability is restricted. There have been injuries and injury risks in setup/pack down. The current class is overfull with 60+ children on a single basketball court for an hour and a half. A number these children need to be training multiple sessions a week and some children are not able to participate due to clashes with other sports.

Project location: Far side of empty land behind Rec. centre building allowing for future expansions of current Rec. centre.

Land ownership: Who owns the land on which your facility will be located? Shire of Denmark
Lease Expiry (if applicable): 21 year Peppercorn Lease

Planning approvals No If no, provide the date it will be applied for:

Where applicable, has planning permission been granted? (LGA) Yes No 6/5/2016

Department of Aboriginal Affairs? Yes No NA

Department of Parks and Wildlife? (Environmental, Swan River) Yes No NA

Native Vegetation Clearing Permit? Yes No NA

Please list any other approvals that are required? Yes No ___/___/___

How will your project increase physical activity? See attachment Pages 2-5

Do you share your facility with other groups? Yes No If so, who: Denmark Karate, Southern Edge Arts, Wildstar Circus, Capoeira, Parkour, Yoga, and Dance

List the main sport and recreation activities (maximum of 3) which will benefit from your proposal. Please indicate the approximate % usage of the facility (or part of the facility relating to this proposal).

| Sport/community organisation | % use of the facility | Hours per week |
|--|-----------------------|----------------|
| Denmark Gymnastics (incl. Frankland and Mt Barker) | >95% | 22 |
| Performing Arts (Southern Edge Arts, circus, dance, yoga, parkour) | >90% | 6 |
| Martial Arts (Karate, capoeira) | >40% | 5 |

Activity/sport membership numbers over the past three years relevant to your project. For example, if a bowls project, golf members not relevant; social membership numbers not applicable.

Note: if membership is not applicable, ie recreation facility or aquatic centre, enter the number of users of the facility.

| | | | | | |
|-------------|----|-------------|-----|-------------|-----|
| 2013 | 55 | 2014 | 122 | 2015 | 128 |
|-------------|----|-------------|-----|-------------|-----|

State Sporting Associations are involved in the assessment of applications and may be able to provide valuable information when planning your project, particularly in relation to technical design issues. They should be consulted as part of the application process. A complete list of State Sporting Associations and their contact details are available on the department's website: <http://www.dsr.wa.gov.au/contact-us/find-a-sport-or-recreation-association>

| | |
|--|---|
| What is the name of the State Sporting Association for your activity/sport? | |
| Gymnastics WA | |
| Have you discussed your project with your State Sporting Association? | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| Contact Name: Paula Dick | Date of contact: continual |

PROJECT DELIVERY

Please indicate key milestones of your project. The key milestones need to be realistic and demonstrate that the project can be delivered in the timeframe.

| Task | Date |
|---|----------------|
| Attainment of Council approvals | August 2016 |
| Preparation of tender/quotes for the major works contract | February 2017 |
| Issuing of tender for major works | March 2017 |
| Signing of major works contract | April 2017 |
| Site works commence | May 2017 |
| Construction of project starts | June 2017 |
| Project 50% complete | September 2017 |
| Project Completed | October 2017 |
| Project hand over and acquittal | November 2017 |

Are there any operational constraints that would impact on the construction phase of your project? (such as your sporting season, major annual event or inclement weather) – provide details.

GST

Grant payments are payable to the applicant/grantee only. This may have taxation implications for grantees. If grantees wish specific advice relating to their grant, this can be obtained from the Australian Taxation Office (ATO). Please note depending upon the value of the project and/or grant, the ATO may require an organisation be registered for GST. If the applicant is registered for GST, the grant is grossed up with the GST amount.

PRIVACY STATEMENT AND STATEMENT OF DISCLOSURE

The Organisation acknowledges and agrees that this Application and information regarding it is subject to the *Freedom of Information Act 1992* and that the Grantor may publicly disclose information in relation to this Application, including its terms and the details of the Organisation.

Any information provided by you to DSR can be accessed by you during standard office hours and updated by writing to DSR or calling (08) 9492 9700. All information provided on this form and gathered throughout the assessment process will be stored on a database that will only be accessed by authorised departmental personnel and is subject to privacy restrictions.

DSR may wish to provide certain information to the media for promotional purposes. The information will only include the applicant's club name, sport, location, grant purpose and grant amount.

APPLICANT'S CERTIFICATION

I certify that the information supplied is to the best of my knowledge, true and correct.

Name: KATY RUTTER
Position Held: PRESIDENT
Signature: 
Date: 22/7/2016

LODGEMENT OF YOUR APPLICATION

- Applications are to be received in **hard copy** and should be clipped at the top left-hand corner, please do not bind. In **addition to the hard copy an electronic copy is encouraged** to be provided.
- It is recommended that you **photocopy your completed application form**, including attachments for your own records and future audit purposes.
- All **attachments** and supporting documentation (see next section) should be **clearly identified** and securely attached to the application form.
- **Applications must be submitted to your Local Government Authority** by the Local Government's advertised cut-off date to ensure inclusion at the relevant Council Meeting.

The following documentation must be included with your application. Applicants may wish to supply additional RELEVANT information.

Grants up to \$66,666:

| | |
|-------------------------------------|--|
| <input checked="" type="checkbox"/> | Application form. |
| <input checked="" type="checkbox"/> | Incorporation Certificate. |
| <input checked="" type="checkbox"/> | Two written quotes. |
| NA | If your project involves the upgrade of an existing facility, include photograph/s of this facility. |
| <input checked="" type="checkbox"/> | Locality map, site map and building plans (in relevant constructions projects), including where the proposed facility is located in relation to other sport and recreation infrastructure. |
| <input checked="" type="checkbox"/> | Income and expenditure statements for the current and next financial years. (LGAs exempted). |
| <input type="checkbox"/> | Written confirmation of financial commitments from other sources including copies of council minutes . (If a club is contributing financially then evidence of their cash at hand must be provided). |
| <input type="checkbox"/> | For resurfacing projects, a written guarantee from the supplier of the product that clearly identifies the product's life expectancy. |
| <input checked="" type="checkbox"/> | Itemised project cost for components and identified on the relevant quote for each (including cost escalation). |
| <input type="checkbox"/> | For floodlighting projects, a lighting plan must be supplied showing lux, configuration and sufficient power supply |

Your application will be considered not eligible if:

- You have not discussed your project with the Department of Sport and Recreation and your State Sporting Association.
- You do not meet the eligibility criteria for the grant category to which you are applying.
- You have not included with your application all the relevant required supporting documentation. There is no onus on Department staff to pursue missing documentation.
- Applicants/projects that have received a CSRFF grant in the past and have not satisfactorily acquitted that grant. In some cases this may apply to localities where other significant projects have not been progressed or have not completed a previous project in accordance with the conditions of the grant provided. An

progressed or have not completed a previous project in accordance with the conditions of the grant provided. An assessment will be made in November and if no physical progress has occurred, new applications may not be recommended.

- It is not on the correct application form.
- The project for which application is made is specifically excluded from receiving CSRFF support.

DEVELOPMENT BONUS APPLICANTS ONLY

If you applied for a CSRFF grant for more than one third of the cost of the project, please provide evidence of meeting at least one of the following criteria.

You MUST contact your local DSR office to determine eligibility before applying.

| Category | Details | |
|---------------------------|--|--|
| Geographical location | <input checked="" type="checkbox"/> Regional/remote location <input checked="" type="checkbox"/> Growth local government | Based in the Great Southern region, Denmark. Local gvt strategic plan aims to grow facilities to accommodate needs of growing population. |
| Co-location | <input checked="" type="checkbox"/> New <input type="checkbox"/> Existing | Based at the rear of the current recreation centre, the new gymnasium will be used by gymnastics (Denmark, Mt Barker, Franklin), Denmark Karate and other martial arts and Southern Edge Arts and other performing art organisations. |
| Sustainability initiative | <input type="checkbox"/> Water saving <input checked="" type="checkbox"/> Energy reduction <input type="checkbox"/> Other | The shed will utilise orientation, concrete slab and natural light and door/window openings where possible to reduce lighting, heating and cooling costs. |
| Increased participation | <input checked="" type="checkbox"/> New participants <input checked="" type="checkbox"/> Existing participants – higher level <input checked="" type="checkbox"/> Special interest <input type="checkbox"/> Other | The gymnasium will attract new participants for whom it cannot currently cater to, offer greater active participation among existing users and offer a venue for a number of activities not currently available locally due to lack of facilities. Gymnastics is a special interest and requires specialised equipment, facilities and coaching. |

PROJECT BUDGET

ESTIMATED EXPENDITURE

Please itemise the components of your project in the table below, indicating their cost and which quote or part of quote was used to estimate this. Quantity Surveyor costs will be accepted however the responsibility lies with the applicant to ensure the validity of the information. A contingency allowance is considered an acceptable component.

| Project Description (detailed breakdown of project to be supplied) | \$ Cost ex GST | \$ Cost inc GST | Quote Used (list company name) |
|---|-------------------------------|-----------------|-----------------------------------|
| Sand Pad | 45,454 | 45,700 | Great Southern Earthworks |
| Concrete | 43,200 | 48,000 | Great Southern Concreting |
| Shed | 43,081.82 | 45,020.00 | Widespan Shed |
| Shed Erection | 22,727 | 25,000 | |
| Electrician | 35,601.45 | 35,601.45 | Frank Manganal |
| Plumber | 9,492.82 | 10,442.10 | Inlet Plumbing a Mac.D Plumbing |
| | | | |
| Donated materials (Please provide cost breakdown) | (included in quotes \$15,000) | | |
| Volunteer labour (Please provide cost breakdown) | (included in quotes \$8000) | | |
| Sub Total | 199,557.09 | 209,763.55 | |

| Cost escalation | Factored into existing quotes | | Please explain |
|------------------------------|-------------------------------|------------|----------------|
| | | | |
| a) Total project expenditure | 199,557.09 | 209,763.55 | |

- At least **two written quotes** are required for each component.
- If your project is a floodlighting installation or upgrades, please ensure that the power supply is sufficient and no upgrade will be required. If upgrade is required and not budgeted for, the grant will immediately be withdrawn. A **lighting plan** must be supplied showing lux and configuration.
- Projects that do not meet **Australian Standards** are ineligible for funding.

PROJECT FUNDING

| Source of funding | \$ Amount ex GST | \$ Amount inc GST | | Funding co Y / |
|---|--------------------|--------------------|--|----------------|
| Local government | 60,302.73 | 66,333 | LGA cash and in-kind | |
| Applicant cash | 33,317 | 33,317 | Organisation's cash | Y |
| Volunteer labour | 15,000 | 15,000 | Cannot exceed applicant cash and LGA contribution – max \$50,000 | |
| Donated materials | 8,000 | 8,000 | Cannot exceed applicant cash and LGA contribution | |
| Other State Government funding | | | | |
| Federal Government funding | | | | |
| Other funding – to be listed | 20,000 2,634.63 | 20,000 2,634.63 | Sponsorship Fundraising | |
| CSRFF requested | 60,302.73 | 66,333 | up to 1/3 project cost | |
| Development Bonus | | | Up to ½ project cost | |
| b) Total project funding | 199,557.09 | 211,617.63 | | |
| *Note: If the funding approved is less than funding requested for this project, or the project is more expensive than indicated, extra funds be sourced from? | | | | |

GST

Grant payments are payable to the applicant/grantee only. This may have taxation implications for grantees. If grantees wish specific advice relating to their grant, this can be obtained from the Australian Taxation Office (ATO). Please note depending upon the value of the project and/or grant, the ATO may require an organisation be registered for GST. If the applicant is registered for GST, the grant is grossed up with the GST amount.

FINANCIAL SUMMARY

| | |
|---------------------------------------|------------|
| a) Total project expenditure (ex GST) | 199,557.09 |
| b) Total project funding | 199,557.09 |
| c) Project variance* | 0 |

***Balance between a) and b) should be \$0**

PROJECT ASSESSMENT SHEET

This page is for the use of the relevant Local Government Authority to be used for both community and LGA projects. Please **attach copies of council minutes** relevant to the project approval.

| | |
|-------------------------------------|------------------------------|
| Name of Local Government Authority: | SHIRE OF DENMARK |
| Name of Applicant: | DENMARK GYMNASTICS CLUB INC. |

Note: The applicant's name cannot be changed once the application is lodged at DSR.

Section A

The CSRFF principles have been considered and the following assessment is provided:
(Please include below your assessment of how the applicant has addressed the following criteria)

All applications

| | Satisfactory | Unsatisfactory | Not relevant |
|---|-------------------------------------|--------------------------|--------------------------|
| Project justification | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Planned approach | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Community input | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Management planning | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Access and opportunity | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Design | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Financial viability | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Co-ordination | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Potential to increase Physical activity | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Sustainability | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Development applications only

| | Satisfactory | Unsatisfactory | Not relevant |
|------------------------|--------------------------|--------------------------|--------------------------|
| Location | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Sustainability | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Co-Location | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Special Interest Group | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Section B

| | |
|---|--|
| LGA – priority ranking of this project | ONLY APPLICATION |
| Priority ranking of no of applications received | of applications received |
| Is this project consistent with the | <input checked="" type="checkbox"/> Local Plan <input type="checkbox"/> Regional Plan <input type="checkbox"/> State Plan CORPORATE BUSINESS PLAN |
| Have all planning and building approvals been given for this project? | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| If no, what approvals are still outstanding? | N/A |

Project Rating (Please tick the most appropriate box to describe the project)

- | | | |
|---|--|-------------------------------------|
| A | Well planned and needed by municipality | <input type="checkbox"/> |
| B | Well planned and needed by applicant | <input checked="" type="checkbox"/> |
| C | Needed by municipality, more planning required | <input type="checkbox"/> |
| D | Needed by applicant, more planning required | <input checked="" type="checkbox"/> |
| E | Idea has merit, more planning work needed | <input checked="" type="checkbox"/> |
| F | Not recommended | <input type="checkbox"/> |

Our whole

Community

LGA comments (Required):

Signed

Position

Date

Applications for CSRFF funding must be submitted to your Department of Sport and Recreation office by **4pm on the last working day in March**. Late applications cannot be accepted in any circumstances.

DSR OFFICES

PERTH OFFICE

246 Vincent Street
Leederville WA 6007
PO Box 329
Leederville WA 6903
Tel: (08) 9492 9700
Fax: (08) 9492 9711

PEEL

Suite 94
16 Dolphin Drive
PO Box 1445
Mandurah WA 6210
Tel: (08) 9550 3100
Fax: (08) 9550 3199

PILBARA

Karratha Leisureplex
Dampier Hwy
PO Box 941
Karratha WA 6714
Tel: (08) 9182 2100
Fax: (08) 9182 2199

SOUTH WEST

80A Blair Street
PO Box 2662
Bunbury WA 6230
Tel: (08) 9792 6900
Fax: (08) 9792 6999

GREAT SOUTHERN

22 Collie Street
Albany WA 6330
Tel: (08) 9892 0100
Fax: (08) 9892 0199

GASCOYNE

4 Francis Street
PO Box 140
Carnarvon WA 6701
Tel: (08) 9941 0900
Fax: (08) 9941 0999

GOLDFIELDS

106 Hannan Street
PO Box 1036
Kalgoorlie WA 6430
Tel: (08) 9022 5800
Fax: (08) 9022 5899

KIMBERLEY – Kununurra

Government Offices
Cnr Konkerberry Drive and
Messmate Drive
PO Box 1127
Kununurra WA 6743
Tel: (08) 9166 4900
Fax: (08) 9166 4999

WHEATBELT - NORTHAM

298 Fitzgerald Street
PO Box 55
Northam WA 6401
Tel: (08) 9690 2400
Fax: (08) 9690 2499

WHEATBELT – NARROGIN

Government Offices
Level 2, 11-13 Park Street Narrogin
WA 6312
Telephone 0429 881 369
Facsimile (08) 9881 3363

MID-WEST

Level 1, 268-270
Foreshore Drive
PO Box 135
Geraldton WA 6531
Tel: (08) 9956 2100
Fax: (08) 9956 2199

KIMBERLEY – Broome

Unit 2, 23 Coghlan Street
PO Box 1476
Broome WA 6725
Telephone (08) 9195 5750
Facsimile (08) 9166 4999
Mobile 0427 357 774

DENMARK GYMNASTICS CLUB

GYMNASIUM FOR ALL



CSRFF FORWARD PLANNING GRANT APPLICATION

2016

DENMARK GYMNASTICS CLUB - GYMNASIUM FOR ALL

ANNEX A TO CSRFF GRANT APPLICATION

This Annex provides detailed answers to specific questions posed in the Application Form where additional space is required. Section and Paragraph headings (with yellow background) are taken from the relevant area of the Application Form.

PROJECT DETAILS

How Will Your Project Increase Physical Activity?

Denmark has excellent bowling, football, golf, tennis and water sport facilities. This Project is targeted at meeting a need for better gymnastics facilities. Facilities have been designed to be as flexible as possible so that a wide range of indoor activities can be accommodated such as gymnastics, circus, dance and martial arts. The location close to Denmark Recreational (Rec.) Centre provides good accessibility and facilitates maximum use of adjoining Rec. Centre while allowing opportunity for expansion of current court areas. This Rec. Centre precinct will lead to a dramatic increase in physical activity participation as community members are attracted to use the facilities.



Waiting lists: Denmark Gymnastics can only use the Rec. Centre on Thursday afternoons between 3.30 and 5pm. As such, all children and all levels (some 60+ children) train at the same time, so space (a single basketball court) is limited. There is a current waiting list of 20 children in Denmark. The other issue is that the only day available for training is a Thursday. In Denmark half of the kindergarten children attend school Monday, Tuesday, Wednesday, and the other half attend Wednesday, Thursday, Friday. This second half of children are not able to do gymnastics as they are at school on the Thursday from 2-3, and are too young for the after school class.



Aussie rules football train on a Thursday afternoon, so any boys training with us miss out on Term 2 and 3 due to Aussie rules training commitments. There is currently no other day available for them to train. This currently affects around 15 children, with another 5-10 potentially interested but unable to try due to the lack of availability.



The number of overweight children in Australia has doubled in recent years, with a quarter of children considered overweight or obese. Overweight children are very likely to become overweight adults.¹ Gymnastics is a sport that is very appealing to children and younger people and gives this group an alternative opportunity to get into sport and develop strong fit bodies.

Gymnastics is nationally governed by Gymnastics Australia (GA) established in 1949. Participation programs delivered by GA are specifically designed to provide fun, fitness, friendship and fundamental movement skills in a safe and positive environment, and are suited to Australians of all ages and abilities. The organisation has had year-on-year athlete membership growth for 13 years in a row, with 93 per cent of the athlete members under the age of 12 (42 per cent are under the age of five). Gymnastics has the third highest female membership base of organised sport within Australia. Gymnastics programs are delivered in more than 530 clubs across Australia by 5,000 registered coaches and judges².

This Project initially aims to meet the current demands and allow for future growth in gymnastics, but also for other gymnasium based sports such as circus, yoga, belly dancing, and martial arts. Gymnastics has seen significant growth in Denmark since inception in 2013 but we are now hampered by the inadequacy of the current set up. We are reliant on sharing time around other Rec. centre sports such as basketball, netball, indoor bowls, indoor soccer and exercise classes and gymnastics requires a great deal of heavy specialist equipment which we have but needs a minimum of 45 mins to set up and pack down depending on volunteers and limiting practice time. There are pieces of equipment that require 2-4 people to set up including uneven bars, parallel bars, chinese circle machines, and other equipment such as the boys high bar that we have but do not even set up as it is too time consuming and special fixtures are required. Most other gymnastics clubs have dedicated gymnasiums for this reason (Eg Katanning, Esperance, Albany). Please see videos attached.

¹ www.betterhealth.vic.gov.au/health/healthyliving/obesity-in-children-causes

² www.gymnastics.org.au/GA/About_Us/Ga/About/About_Us

Since its establishment in 2013 Denmark Gymnastics Club has quickly become one of the most dynamic gymnastics clubs in regional areas. Please see attachment 4 - club member numbers. It has hosted an annual competition, the Great Southern Gymnastics Competition for the past three years, an interclub carnival event attracting clubs from around the Great Southern, including Walpole, Mt. Barker, and Albany. It has also participated in the regional competition in Katanning each year and will be the first regional team competing in the Team Gym competition in Perth this year. The club has also hosted coaching clinics and attracted state and international coaches and judges to the region. The club also coaches the Mount Barker gym team and liaises closely with Walpole. It has introduced a junior schools based sport program, now called Sporting Schools, introducing gymnastics to students from Denmark Primary School, Woodbury Boston Primary School and Cranbrook Primary School. It is quite remarkable that the club has achieved these goals despite very basic facilities. We believe that to reach its full potential the Club requires a standalone gymnasium for training, club administration and managing events.



If the equipment is permanently set up in a purpose built facility, then permanent matting is much better able to protect the equipment and the people using the equipment, as it is not continually moved and can permanently cover any base/supports. This not only provides better protection for the gymnasts, but also greatly reduces the wear and tear on the equipment itself. Due to pulling the equipment out and packing away each session, some of the mats are showing signs of early wear. They are designed for landing on, not pushing and pulling around. If this continues, then there is likely to be repairs needed that will be costly.

The creation of the Denmark Gymnasium will provide a resourced gym for not only Denmark but also for surrounding areas including but not limited to Mt Barker, Frankland, Cranbrook, Walpole and even Albany gymnasts. Children will bus in to town, sparing surrounding communities of the need to resource their own gymnasiums and teachers. Our research has shown there are many more potential users of the gymnasium including but not limited to holiday programs for Tha House and Rec. centre, and Denmark High School and Denmark Agricultural College fitness programs, Denmark primary school, Golden Hill Steiner School and Spirit of Play physical education programs, Southern Edge Arts circus, private teachers in capoeira, parkour, martial arts, belly dancing, yoga and other various dance classes, and the provision of a purpose built gymnasium is seen as a key requirement for future growth.

The multi-use concept of the Denmark Gymnasium Project has been enthusiastically embraced by many in the community and we have received several enquiries from individuals and groups wishing to get involved as a way to pursue their activities. The most notable of these are enquiries from Southern Edge Arts, Occupational Therapy programs for children, and martial arts classes.



Tourism and attracting excellence to Denmark. If we have a gymnastics gymnasium set up here in Denmark, elite athletes who need to train on equipment throughout the holidays can holiday in Denmark and train in our gymnasium. Whilst here, they can impart their wisdom on us and improve our standards of coaching and performing. With a permanently set up gym, we would be able to run workshops and invite professionals down from Perth to further improve our standard of coaching and performance. We also hold an annual competition in Denmark each year, with competitors coming from Mt Barker, Albany and Walpole. This weekend is sponsored each year and supported by local businesses and in turn our local businesses benefit from the visitors from out of town. We have also formed partnerships with clubs in Perth and around regional WA which encourages them to visit Denmark and boost our tourism.



PLANNING

How has the need for the project been identified and assessed?

The Denmark Gymnasium Project Team has worked to identify and assess the project need. The project team consists of:

Denmark Gymnastics - Romy Surtees, Bec Gleeson

Mt Barker Gymnastics - Katy Rutter

Financial Assistance - Rose Robson

Development Officer - Nicole Selesnew

Shire of Denmark 1 Councillor Yasmin Bartlett, 2 officers Damian Schwarzbach and Jodie Hickey

Others that have been consulted/contributed include:

Denmark Karate - Murray Brooker

Cranbrook Primary - Michael Smith

Frankland River - Elizabeth Kent

Circus - Southern Edge Arts and Amy Hastie

Parkour/Capoeira - Zac Launay

Dance and Yoga - Sumer Addy



Community input has been gathered by the Project Team through presentations to local groups who may have an interest. We have had conversations with council worker Greg Harewood and Catherine Reid, and site visits from shire councillors Yasmin Bartlett, Rob Whooley, Ceinwen Gearon and Roger Seeney and CEO Cliff Frewing . Facebook has been utilised to engage the community.

Is the need or part of the need that you have identified already being catered for?

The existing set up meets a small part of the demonstrated need. However, this current setup is extremely limited:

- Currently, Denmark Gymnastics has access to one basketball court in the Denmark Recreation Centre on a Thursday afternoon. It runs kindergym from 2-3pm, and then WAG and MAG gym for girls and boys from 3:30pm to 5pm. There are a number of limitations with this existing set-up.

- Gymnastics can only happen in this available slot around other sports (already limited around school hours)
- Gymnastics requires specialist equipment and this has to be set up and packed away taking 30-45 mins with numerous volunteers. This large commitment to time further reduces time for practice. For example basketball and netball commence at 5.30pm and so there is great pressure to pack up in time for that, and ensure that the surface is clean and non-slippery as the mag powder utilised in bar apparatus effects the playing surface even after being cleaned up.
- Given that we only have one time slot (due to other gym uses and to time needed to set up and pack away), coaching suffers as all children (up to 65 at a time) have to be on the floor simultaneously (whereas even Mt Barker Rec. centre availability allows 3 time slots). From Level 3 onwards, most other clubs have children training multiple sessions (2-3 two hour sessions) a week, however our children are further limited in their progression in the sport as they are only able to train once a week and have very short access to equipment during that time as there are so many children requiring a turn.
- The gymnastics equipment is heavy and dangerous to move and so is a health risk. Some equipment requires a minimum of 2-4 people to set it up. We are concerned that injury may result from improper handling of equipment, as well as strains and deterioration through overuse of employees of the Rec. Centre and other volunteers who regularly set up and pack away the equipment.
- Some equipment has to be moved out of the storage area each week and some has to be 'built' such as the uneven bars. This takes time, is reliant on volunteers getting it right and is tricky. It takes a minimum of four people to do this safely. It also takes 4 people to lift the chinese circle machine on and off it's wheel base.



- Volunteers have to move the equipment and are untrained and therefore a liability.
- We are a not-for-profit incorporated association and rely on grants, sponsorship and fundraising for funding to improve our equipment and resources. This equipment is not designed to be manhandled twice a week and is going to need more regular

maintenance and replacement in the case for example of mats that have to be dragged across the Rec. centre floor. In a custom-designed gym with equipment permanently set up, specific matting can be fitted to specific equipment, which also reduces the wear and tear on matting due to rubbing on equipment.

- Gymnastics equipment is designed to be sturdy and safe. It is not designed to be portable.
- Currently, there is a demand for adult gymnastics classes, that cannot be catered for due to the lack of appropriate venue and limitations of equipment readiness.
- There is a community need for an indoor play area that could also be utilised for birthday parties, to engage young people in physical activity rather than the sedentary lifestyle that too many are falling into. There is currently no indoor play area that can be used in Denmark. It is particularly evident as we come into the winter months, that this is required, as it is so often wet, making even the outdoor playgrounds that we do have unusable.
- Given the current demographic of the 60 Thursday gymnasts of 5-12, many smaller children attend with mothers making set up and pack away dangerous as there is no separate area for spectators, particularly children. This also impacts on the class as small children despite being supervised can get away from their mothers and run across the floor area.
- In metropolitan clubs the Kindergym programs are a flurry with handmade activities and exciting themes. Due to the 45 minutes it takes just to set up the equipment, instructors do not have the time or energy to design and layout the wonderful array that is seen in the pictures within this document. With equipment already set up, Kindergym instructors would be able to spend the class preparation time decorating the equipment and setting out exciting activities to supplement the gymnastics experience for little ones under 5. There would also be storage area for these themed boxes to be packed away and alternated from week to week. Currently storage at the Rec. centre is very limited and is currently filled to capacity and so can accommodate no more equipment or resources.



- The children arrive, gym starts, gym ends and the race is on to clear the court for basketball or netball. Given the tight time frames, no opportunity is available for feedback to coaches and parents, dealing with any concerns etc. This impacts on the ability of the community to build relationships, engage volunteers and improve on gymnast skills.
- Denmark is a growing country town. As the population grows so does the use of the rec centre. A purpose built gymnasium will increase storage space in the storage area of the rec centre by more than 25% and will free up Rec. centre court demand allowing for more basketball, netball etc.



- Surrounding areas: We currently travel to Mt Barker to coach Mt Barker/ Frankland children. A second set of equipment has had to be purchased. It has to be set up and packed away weekly and coach travel time has to be factored in. A third set of equipment is being resourced in Walpole. Again this requires time and effort to fund, set up and store. If we were able to locate all of this equipment centrally (in Denmark) we would have sufficient equipment to fit out the gymnasium and run classes out of it immediately. Time and effort would be saved in terms of travel and coaching, with many more coaches willing and able to assist in Denmark without having to set up equipment. Children would be bused directly from Mt Barker and Frankland on Wednesdays, with parents rostering to drive the bus.

How does your project fit into your Club's Strategic Plan?

The Project fits well with the Club's Strategic Plan (see Attachment 5). Of note here are our vision, mission, goals and critical success factors as follows:



Vision

We will provide a fun, safe and supportive environment for all children in the Great Southern region to learn gymnastics.

Mission

Denmark Gymnastics Club will offer and promote gymnastics within Denmark and the wider Great Southern region. We will ensure our services are inclusive of all ages, genders, ethnicity, religion and degree of ability or disability. And we will welcome other sporting groups to share our facilities, thus building a stronger, healthier and happier community.

Goals

- To encourage gymnasts to participate in the life of the club, including club training, local and regional competitions, club camps and fundraising
- To involve community members from youth right through to retirees in the club through volunteering and offering opportunities for self-improvement.
- To enable coaches to continue to build on their skills and knowledge by participating in relevant training courses
- **To give our gymnasts the best possible training environment, we will continue to invest in new equipment and facilities as our budget allows**

- To promote our sport within the Great Southern region through representation at regional events, demonstrations, and coaching clinics.
- To work together with other groups to achieve our best.

Critical Success Factors

- Continued growth of club members:
 - 2013 55 members,
 - 2014 142 members (this included 20 Walpole gymnasts as we assisted them setting up their own club),
 - 2015 128 members (further growth is hampered by lack of availability of training facility)
- Participation in 2-3 competitions pa
- Increasing levels that we teach as our gymnasts improve (eg 2013 Level 1 & 2, 2014 Level 1,2,3, 2015 new ALP Levels 1,2,3, 2016 Level 1,2,3,4 etc)
- Denmark Gymnastics seeks to build a permanent gymnasium. This space will be used by the Denmark Gymnastics club, as well as various other sporting groups.
- Sourcing funding to enable the construction of a purpose built gymnasium to underpin the club's sustainable future.



How does your project fit into your State Sporting Associations Strategic or Development Plan?

Our project embodies the state and national missions as well as strategic and development plans.

Gymnastics WA (see attachment 10.2)

Mission: To promote and develop gymnastics for the enjoyment of all whilst achieving significant growth in participation and satisfaction through safe and welcoming environments.³

³ http://www.gymnasticswa.asn.au/images/wa/Strategic_Plan/Website_Final.pdf

Gymnastics Australia (see attachment 10.1)

Mission: To promote, develop and grow gymnastics for the enjoyment of all.

Strategic Imperative: Achieve significant gains in participation growth and participant satisfaction conducted through safe and welcoming environments.⁴

Each of the above bodies has been consulted over this project and is fully supportive as evidenced in support letters.

How Does your project fit into your Local Authorities Strategic or Development Plan?

The mission of the Shire of Denmark's Strategic Plan for Sport and Recreation is "To provide sound recreation advice, facilities and services to the whole community."

The Strategic Plan gives the following principles regarding new facilities:

- Council will require organisations seeking public funds for developing or refurbishing facilities to have a business plan appropriate to the size of their organisation.
- Council will require organisations seeking major facility development to demonstrate the need for such development and also their strategies to ensure the development will be viable into the future.
- Council will give priority support to facility development that shows capacity for collocating or sharing resources.

Denmark Gymnastics Club has met all of these requirements to Council's satisfaction. We look forward to working closely with council in the development of this facility to ensure that it meets all local authority requirements.

⁴

https://www.gymnastics.org.au/GA/About_Us/Strategy/Ga/About/Strategy.aspx?hkey=ad487ec0-5ec7-47e1-85db-7d4bb9861178

MANAGEMENT

Have you developed a Management Plan for your facility?

Yes. A copy is at Attachment 5.

How have you catered for management needs in your design (if required)?

Consider access, usage and supervision.

Management of the Denmark Gymnasium is structured as follows:

- Denmark Gymnastics Management Committee - responsible for executive control and policy
- Sports Captains' & Committees – responsible for scheduling and conduct of sporting events with representatives from all organisations using the facility.
- There will be an online booking system for the various groups to access and to maximise use of the gymnasium.



Office: located centrally at the front of the building under the mezzanine floor to ensure easy access and visibility for oversight of activities.

Activity Area: this area is located in the gymnasium and is divided into equipment area and mat area.

Toilets: located centrally near office at the front of the building under the mezzanine floor for proximity to activity area for safety and efficiency.

Mezzanine area: this is a second floor utilizing space above office and toilets to safely accommodate spectators away from activity floor. Note that a high roof is required in gymnasium for effective use of equipment such as ropes, bars, rings, trampolines, spring boards, air mats.

Was an experienced facility manager, builder or expert involved in planning the design of your project?

A number of professionals have been consulted, including Kim Stirling, an architect from Stirling Architects, and South Coast Sheds, Ranbuild Sheds, Widespan Sheds, Ron Finlay, Brad Pierce from Great Southern Concreting, Ash Plater from Great Southern Earthworks, Ross Cockman from Powley Electrical, Frank Manganaro from TLK Electrical, Siman Baker from Inlet Plumbing and Gas, David MacDonald from Mac.D Plumbing and John Piercey.

In addition research was conducted of the Katanning, Esperance, Carnarvon and Starmites Leederville, HighFlyers, Northern Districts clubs in Perth and best elements have been incorporated.

THE FOLLOWING IMAGES ARE FROM GYMNASIUMS AROUND WESTERN AUSTRALIA

CARNARVON



DUMBLEYUNG



ESPERANCE



HIGHFLYERS



STARMITES LEEDERVILLE



NORTHERN DISTRICTS



If you propose to share a facility, have other groups been asked what features they need? List these needs and describe how they will be accommodated, either through your project's location, design or the way in which it will be managed.

Extensive consultation has taken place among the other clubs to identify their specific needs.

- Martial Arts, Murray Brooker. They require a 20x15m matted floor space. This will be easily accommodated as the floor area for gymnastics is a minimum of 14x14m. Other equipment can be arranged so that it is away from the main floor area to allow for the surplus required.
- Southern Edge Arts. Circus is an area that is extremely popular in Denmark but has not been able to be run as yet due to the lack of facilities. This organisation would be able to set up in the gym with silks and other aerial apparatus that can be stored on ropes up above and to the side of the shed as demonstrated in the pictures attached. This would allow instructors to travel from Albany to the gym to instruct people in Denmark.



- Capoeira and Parkour, Zac Launay. These arts would be able to take place on the floor area and utilise other equipment around the gym.
- Dance and Yoga, Sumer Addy. These classes would be able to be run on the floor area. A mirror and bar will be on an internal wall alongside the floor area.

We would also actively pursue and encourage participation from other clubs such as but not limited to Belly Dancing, TaeKwonDo, and Tai Chi, all of which could easily be accommodated on the floor area.

FINANCIAL VIABILITY

Who will be responsible for any operational deficit and how will it be funded?

It is not expected that there will be much running costs, as it is simply a shed, with the only ongoing operational costs expected being electricity and water use. These costs would be met by the people using the facility. This would be determined by the Management Committee.

How have you determined the annual contribution to the asset replacement fund?

Gymnastics equipment is designed to be maintained rather than replaced. We have a maintenance schedule to ensure that all equipment listed below is maintained and is not likely to need replacing. Should unexpected breakage occur, gymnastics club income will be used to cover the replacement cost. In the event that new equipment is required, the gymnastics club will also cover this cost. It is expected that some flooring/matting/padding will need to be sourced in order to cover the new gymnastics floor/equipment. Again, this will be funded as possible through gymnastics club income.

| Equipment | Quantity | Year Purchased | Maintenance schedule | Estimated Cost |
|------------------------|----------|----------------|----------------------|----------------|
| Matt roll | 1 | 2014 | June and Dec | \$1500 |
| Uneven bars | 1 | 2015 | April and Oct | \$5000 |
| Beams | 4 | 2013, 2015 | June and Dec | \$2300 |
| High bar | 1 | 2015 | April and Oct | \$2000 |
| Ropes | 2 | 2014 | April and Oct | \$3000 |
| Parallel Bars | 2 | 2013, 2014 | April and Oct | \$5000 |
| Pommel | 2 | 2013, 2014 | June and Dec | \$2700 |
| Mushroom | 2 | 2014 | June and Dec | \$500 |
| Chinese circle machine | 1 | 2015 | June and Dec | |
| Triangle bar | 2 | 2014 | April and Oct | \$250 |
| Crash mats | 2 | 2014 | April and Oct | \$2000 |
| Minitramp | 1 | 2014 | April and Oct | \$600 |
| Beat boards | 2 | 2014 | April and Oct | \$950 |
| Tumble track | 2 | 2016 | April and Oct | \$2000 |
| Rings | 2 | 2014 | June and Dec | \$1800 |
| Various matts | | 2013-15 | April and Oct | \$2000 |

Gymnasium. Provision for major programmed maintenance of the new facilities and replacement of major equipment is based on 1.25% of build costs (\$2500 pa). These will be met by Denmark Gymnastics, but the building will remain the property of the shire, leased to Denmark Gymnastics on a 21 year peppercorn lease arrangement. This is budgeted for under Shed costs.

PROJECT BUDGET

Please itemise the components of your project in the table below, indicating their cost and which quote or part of quote was used to estimate this. Quantity Surveyor costs will be accepted however the responsibility lies with the applicant to ensure the validity of the information. A contingency allowance is considered an acceptable component.

| Project Description (detailed breakdown of project to be supplied) | \$ Cost ex GST | \$ Cost inc GST | Quote Used (list company name and quote no) |
|---|------------------------|-------------------------|---|
| Sand Pad | \$45,454 | \$45,700 | Great Southern Civil Works |
| Concrete | \$43,200 | \$48,000 | Great Southern Concreting |
| Shed | \$43,081.82 | \$45,020 | Widespan |
| Shed Erection | \$22,727 | \$25,000 | |
| Electrician - in shed | \$35,601.45 | \$35,601 | TLK Electrical |
| Plumber | \$12,532 \$9,492.82 | \$13,785 \$10,442.10 | Inlet Plumbing & Gas and Mac.D Plumbing |
| Contingency | Factored into quotes | Factored into quotes | |
| TOTAL | \$199,557.09 | \$209,763.10 | |

PROJECT FUNDING

| Source of Funding | \$ amount ex.GST | \$ amount inc. GST | Description | Funding Confirmed Y/N | Comments to support claim |
|----------------------|---------------------|-----------------------|-----------------|-----------------------------|---|
| Applicant Cash | \$33,317 | \$33,317 | Cash in bank | NA | See bank statement attachment 6 |
| Denmark Shire | \$60,302.73 | \$66,333 | | N | |
| Volunteer Labour | \$15,000 | \$15,000 | | N | These would be sourced from club members who work in the building industry |

| | | | | | |
|-------------------|-------------|--------------|------------------------|---|---|
| Donated Materials | \$8,000 | \$8,000 | | N | We will approach local businesses for this, Thorntons have already confirmed support. |
| CSRFF funding | \$60,302.73 | \$66,333 | Up to 1/3 project cost | N | |
| Sponsorship | \$20,000 | \$20,000 | Local businesses | N | We have enjoyed a lot of support from local businesses in all previous approaches |
| Fundraising | \$2634.63 | \$2634.63 | | N | We have successfully fundraised each year |
| TOTAL | \$199557.09 | \$211,617.63 | | | |

It will be a condition of tender that voluntary labour by club members be accommodated

Informal discussions with local building, earthmoving contractors, and local companies have identified potential contributions.

If the funding approved is less than funding requested for this project, or the project is more expensive than indicated in this budget, where would the extra funds be sourced from?

Extra funds would be sourced from donations and grants, which we would seek further if required. If the Shire was willing and able to provide a loan this would also be considered.

ATTACHMENTS

1. Certificate of Incorporation – Denmark Gymnastics Inc.
2. ABN Certificate (please note we have since become incorporated)
3. Site and Locality Maps and Aerial Photographs
4. Regional club member numbers comparison and recommended training hours
5. Business and Strategic Plan
6. Denmark Gymnastics Accounts
7. Quotes (shed, Concrete, plumbing, electrical, earthworks)
8. Architectural Drawings
9. Financial support letters
10. Letters of Support
 1. Gymnastics Australia
 2. Gymnastics Western Australia
 3. Northern Districts Gymnastics Club
 4. Starmites Gymnastics Club
 5. Highflyers Gymnastics Club
 6. Dumbleyung Gymnastics Club
 7. PCYC Albany
 8. Alida Scott
 9. Colleen Ballantyne
 10. Denmark Primary School
 11. Spirit of Play
 12. Denmark High School
 13. Denmark Agricultural College
 14. Cranbrook Primary School
 15. Murray Brooker Martial Arts
 16. Southern Edge Arts
 17. Wild Star Holiday Circus Amy Hastie
 18. Sumer Addy
 19. Zac Launay
 20. Frankland Primary School
 21. Golden Hill Steiner School
 22. Terry Redman
 23. Rick Wilson

* PLEASE ALSO FIND THUMB DRIVE DISPLAYING PARTIAL SETUP
PROCEDURE AND FULL PACK DOWN



Government of Western Australia
Department of Commerce

WESTERN AUSTRALIA

Associations Incorporation Act 1987
(Section 18(6))

Registered No: A1016889T

**Certificate of Incorporation
On Change of Name**

This is to certify that

MAGPIES GYMNASTICS INC

which was on the sixteenth day of April 2013
incorporated under the *Associations Incorporation Act 1987*
changed its name to:

DENMARK GYMNASTICS INC

on this ninth day of January 2015

A handwritten signature in black ink, appearing to read 'Guill'.

Commissioner for Consumer Protection



CERTIFICATE



Australian Business Register

Australian business number(ABN) : **60 127 196 360**

Entity name : **DENMARK GYMNASTICS**

ABN Status : **Registered**

ABN Registration Date : **6 January 2013**

Postal Address : **PO BOX 434
DENMARK WA 6333**

Business Address : **BRAZIER STREET
DENMARK WA 6333**


Email Address : **rutter_katy@hotmail.com**

Type of Entity : **Unincorporated Organisation**

Industry Code (ANZSIC) : **99994**

Trustee Name : **not applicable**
(See reverse for additional trustee names.)



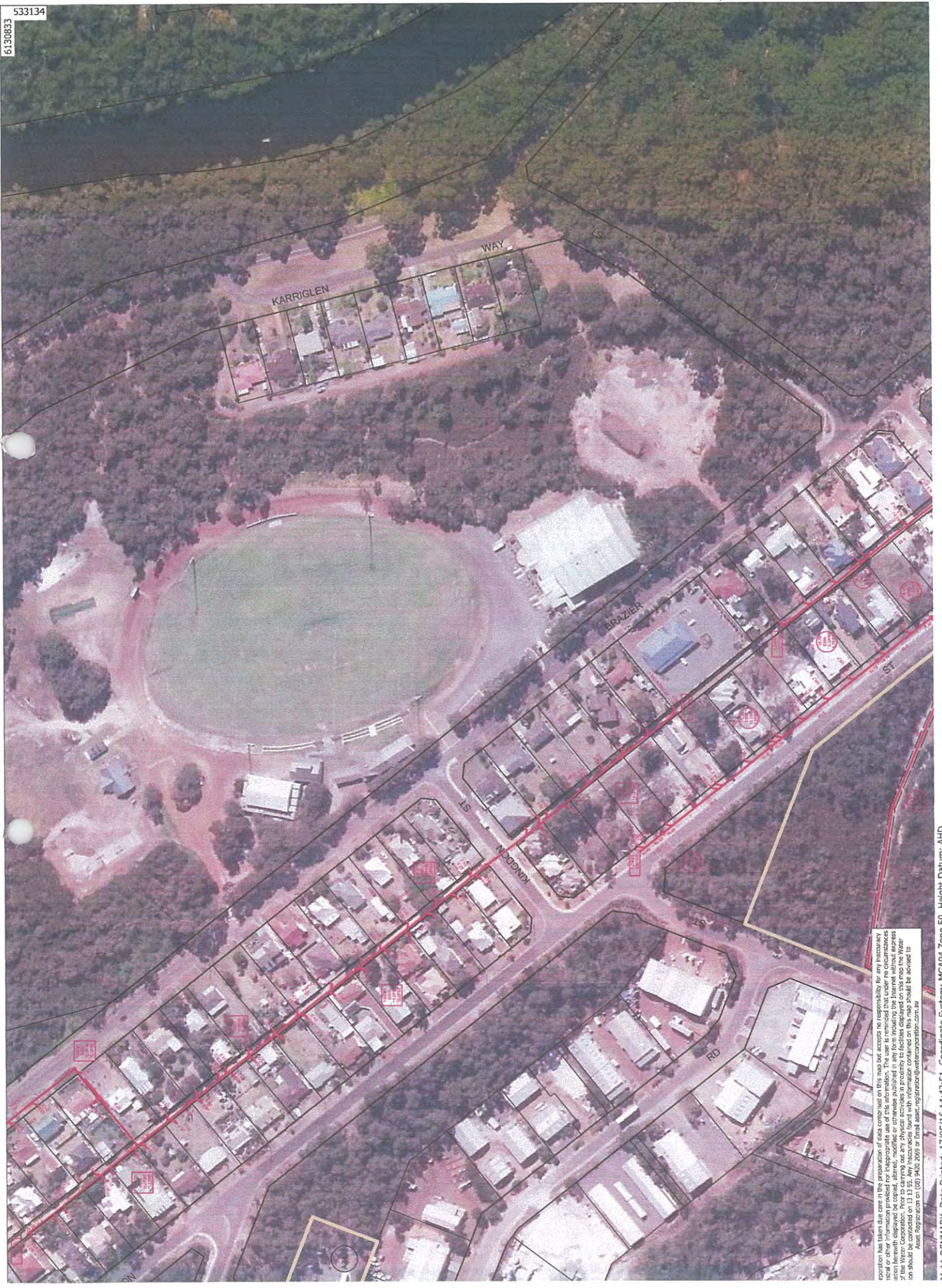
Proposed
Gym → 

or

or



6130833 533134



operation has taken due care in the preparation of data comprised on this map but accepts no responsibility for any inaccuracy, omission or error. This map is provided as a guide only and should not be used as a basis for any legal proceedings. The Water Corporation is not liable for any loss or damage arising from the use of this map. The Water Corporation is not responsible for any physical activities in proximity to facilities displayed on this map. The Water Corporation is not responsible for any information contained on this map should be advised to contact the Water Corporation on (08) 9420 2029 or Email water@watercorporation.com.au



**SPORTS TURF
TECHNOLOGY**

Sports Turf Technology Pty. Ltd.
ACN 102735053 ABN 46102735053
PO Box 91 Como WA 6952
Tel: (08) 9367 1600 Fax: (08) 9367 2843

| | | | |
|----------------------|------------------------------------|---------------|---------------------|
| Attention: | Fred Wallefeld | From: | Peter Ruscoe |
| Organization: | Wood & Grieve Engineers | Ref: | WGE01 |
| Phone: | 9842 3700 | Phone: | 9402 8245 |
| Date: | 4/8/16 | Pages: | 1 of 3 |

RE: McLean Oval, Denmark

Introduction

Based on the site investigation by WGE and soil analysis by Sports Turf Technology, this is a preliminary report on the issues and recommendations to address the drainage problem at McLean Oval.

Issues identified in the site investigation

1. Excessive organic matter

There is a concentrated layer of organic matter on the surface of the profile to a depth of approximately 60 mm, as shown in the photo below. Excessive organic matter is detrimental for drainage because it clogs up the sand and slows infiltration, especially when the surface becomes sealed from usage in wet conditions. In the bad areas where the ground stays wet for extended periods, the playing surface is extremely soft and muddy, making it prone to severe wear damage.



Sports Turf Technology measured the proportions of fine organic matter and sand on a volume basis in the top 60 mm of these core samples. This confirmed the high organic matter content, indicating that sand is no longer the primary medium.

| | McLean Oval (0-60 mm) | Guideline |
|-------------------------------|------------------------------|-----------|
| Volume of Fine Organic Matter | 72% | <30% |

2. Sand profile

Below the surface layer of organic matter, the particle size distribution of the sand in the 100 to 300 mm zone is ideal for a sports field. However, the hydraulic conductivity under compaction is much lower than it should be for that sand. Further testing found that the sand contains fine organic matter (up to 30% by volume) that is obviously affecting water movement.

Particle Size Distribution

| Sieve size | Description | % Retained by weight | |
|--------------|------------------|----------------------------|------------|
| | | Location 3 (100-300 mm) | Guidelines |
| 1.0-2.0 mm | Very coarse sand | 0.1 | 0-10 |
| 0.5-1.0 mm | Coarse sand | 5.3 | 0-20 |
| 0.25-0.5 mm | Medium sand | 75.1 | 55-90 |
| 0.15-0.25 mm | Fine sand | 15.4 | <20 |
| 0.05-0.15 mm | Very fine sand | 2.1 | 0-10 |
| <0.05 mm | Silt/Clay | 1.9 | 0-4 |

Maximum combined proportion of these fractions should not exceed 25%

Saturated Hydraulic Conductivity

| | Location 3 (100-300 mm) | Guideline |
|--|-------------------------|--------------|
| Hydraulic conductivity at maximum compaction | 170 mm/hour | >500 mm/hour |

In-Situ Hydraulic Conductivity (By Shire of Denmark)

| | Hydraulic Conductivity | Guideline |
|--------------------|------------------------|--------------|
| Site 1 (NW Corner) | 24 mm/hour | >500 mm/hour |
| Site 2 (NE Corner) | 248 mm/hour | >500 mm/hour |
| Site 3 (SE Corner) | 323 mm/hour | >500 mm/hour |
| Site 4 (SW Corner) | 22 mm/hour | >500 mm/hour |

3. Clay subgrade

Along the western side of the ground, for a distance of approximately 30 metres from the boundary line, there is clay at a depth of approximately 300mm, forming a perched water table in the sand profile. After rainfall events, it is presumed that the sand profile would stay saturated for extended periods, causing the poor conditions on the surface.

4. Drain spacing

Inspection of the site confirms that areas of acceptable surface condition and reduced waterlogging along the western edge of the oval **coincide** with existing subsoil drainage lines (refer to survey from Shire of Denmark).

The subsoil mainline along the western edge of the oval has also been inspected and confirmed as being clear and at sufficient depth (min 650mm to invert) to drain lateral subsoil lines.

No information on the condition or quality of the lateral subsoil drainage lines was available (confirming depth, grade, construction detail).

However, there are still waterlogged and damaged turf areas where subsoil drains have been installed, indicating that a lack of subsoil drainage alone is not the issue.

It can therefore be concluded that subsoil drains are working to some extent. However drains may be too far apart to remove the free water in the profile within a reasonable timeframe after rainfall events, and additional factors such as high surface layer organic matter content and poor sand layer drainage are contributing to the issues.

(By WGE Engineers, August 2016)

Recommendations

Option 1: Playing Field Reconstruction

To rectify the drainage problems along the western side, the existing profile needs to be removed and replaced, and additional subsurface drains installed on closer spacing. The existing profile would need to be excavated to the clay layer, replacing it with 300 mm depth of clean sand, and laying turf rolls.

Costing:

1. Install 1600m subsoil lateral lines and 50m additional mainline pipe work. **\$55,000**
2. Remove existing turf and unsuitable subgrade and install free draining subgrade material ('root zone sand' as specified) and replace turf.
 - a. For half oval (~8,000m²) **\$235,000**
 - i. Cut and remove 350mm = \$40,000
 - ii. Place and compact 300mm = \$50,000
 - iii. Additional irrigation replacement/repair = \$10,000
 - iv. New turf (@\$15/m², rate from Albany CPSP) \$135,000

Construction Costs= **\$290,000 ex GST**

+ Design (@ 5% of Works) \$14,500

+ 10% Contingency of \$29,000

Total Option 1 works = \$333,500 ex GST

(By WGE Engineers, August 2016)

Option 2: Remedial drainage works

The following works will give an improvement in the winter performance of the western side of the ground, while maintaining the existing turf and sand profile, and minimising the cost and disruption to the playing surface.

Depending on success of remedial works, they can be followed by 'full reconstruction' of areas not showing adequate improvement.

- Install subsurface drains at 4-metre spacing.
 - (Install 1600m subsoil lateral lines and 50m additional mainline pipe work. \$55,000 ex GST)
 - Design \$4,500 ex GST
 - **Total = \$59,500 ex GST**

(By WGE Engineers, August 2016)

- Insert sand slits to break through the surface organic layer and provide channels for water movement down to the sand profile. The process involves cutting narrow slots, 20 mm wide and 270 mm apart, and inserting sand to a depth of approximately 130 mm. The sand insertion machine and outcome of the process are shown in the photos below. In the Perth region, the cost is approximately \$8000/ha for the supply and insertion of sand.
- (10,000m² + Mobilisation ~**\$15,000 ex GST**)

(By WGE Engineers, August 2016)



- Top dress with 15 mm (150 m³/ha) of sand. The sand top dressing will form a distinct layer on the surface to limit the exposure of the organic layer to foot traffic in wet conditions. This will help to prevent the surface becoming sealed up and muddy.
- (10,000m² of top dressing, 150M³ of Sand @ \$30/m³ = ~\$7,500)

Total 'Option 2' Remedial Works = \$82,000 ex GST

(By WGE Engineers, August 2016)



| LEGEND | |
|-----------------------------|--|
| EXISTING RETICULATION LINE | |
| EXISTING SUBSOIL | |
| EXISTING MAIN DRAINAGE LINE | |
| EXISTING WATER LOG AREAS | |
| TEST HOLE LOCATIONS | |

| | |
|-----------|--|
| Tax Sheet | |
| Survey No | |
| FB | |
| File No | |



| | | | |
|-------------|-----------|----------|----------|
| DESIGNED | | DATUM | |
| DRAWN | 07/16 M.B | SCALE | 1 : 1000 |
| CHECKED | | APPROVED | |
| RECOMMENDED | | | |

McLEAN OVAL EXISTING SUBSOIL & TEST HOLE LOCATIONS

| | | |
|-------------|----|---|
| SHEET | OF | F |
| DRAWING No. | | |
| A | | |