

File No: SF0873

MS

Your Ref: Formerly DA0331/2015

21/03/2016

Planning Department
City of Launceston
PO Box 396
LAUNCESTON TAS 7250

Dear Richard,

Re-submission - (Formerly DA 0331/2015) Launceston Aquatic Security Fence

Please find accompanying this correspondence, documentation constituting a re-submission of DA 0331/2015, following an earlier request for this application to be withdrawn from consideration by Council.

Development Description

This permit application relates to the modification of the existing fence enclosing the outdoor pool and recreation area at the Launceston Aquatic Centre. The proposed modifications are required to provide enhanced facility security, and to create an enlarged area for facility patrons with improved shading (via existing, established trees) within close proximity to the outdoor pools area.

The existing fence construction does not provide adequate site security, and provides little deterrent to individuals attempting to access the facility outside normal operating hours. Ongoing, unauthorised after-hours access poses a significant risk to the health and safety of individuals illegally accessing this part of the facility - particularly when the facility is unattended. Due to the high number of unauthorised entries over the summer and school holiday periods, the facility currently engages a security contractor to patrol the external pools area, outside of normal operating hours. Maintaining this supervision is not an operationally sustainable undertaking due to the high ongoing cost.

The facility is currently planning the installation of thermal pool blankets on the outdoor pools, as an energy efficiency initiative that is likely to deliver significant cost savings. However, this initiative cannot be progressed due to the increased chance of drowning or injury given the known pattern of unauthorised access in this area.

The Site Plan provided with the application sets out the proposed fence alignment. As a result of this change, the pedestrian footpath linking the Aquatic Centre and Windmill Hill Memorial Hall car parking areas will also require realignment. An extension of the footpath to the Memorial Avenue access road (off High Street) is also proposed, recognising the existing pattern of use by pedestrians utilising this area.

A proprietary "anti-climb" fencing material is proposed to be used: **LEDA Securamesh Anti-climb Fence**. The small aperture size of the welded mesh fencing panel prohibits finger and toe holds to prohibit access. The small mesh diameter also maintains good visual access through the fencing material to minimise the aesthetic impact on the parkland area. The new fence is proposed to be **2.4m** in height, supported by proprietary steel post sections of the same height, with both elements to be finished in a dark grey powder coated finish.

In addition to the new fencing construction, a proprietary three-wire electronic detection system will be installed along the inner-face of top line of the fence. The **ForceField Security Fence Monitoring System** will be integrated into the facility security system, to provide intrusion notification and alarms to the facility's third-party security monitoring provider.

The top detection wire will be mounted an additional **200mm** above the top line of the mesh fence panels, or approximately **2.6m** above ground level.

Figures 01 and 02 below provide examples of the fence construction arrangement, and examples of the visual presentation of the proposed fence:

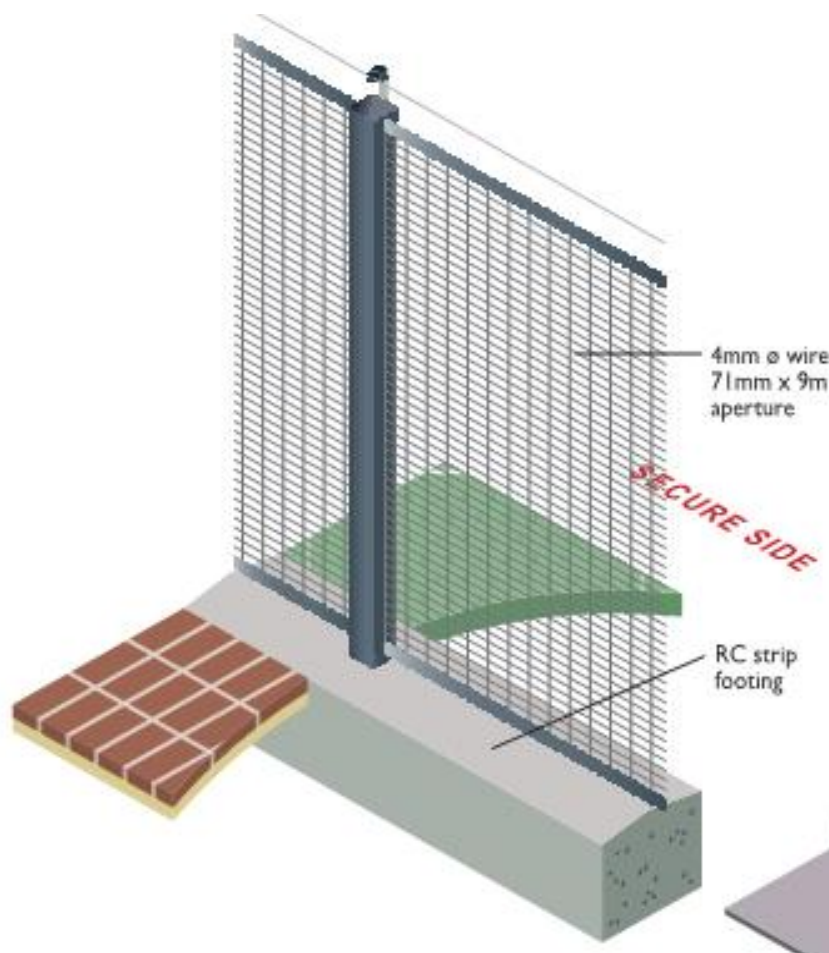


Figure 01: Diagram of proposed fence construction arrangement: 2.4m high vertical support posts, concrete kerb at base of fence line, angle frame support to anti-climb fence panels, with single security detection wire mounted 200mm above fence line.



Figure 02: Image of fence installation utilising the same proprietary system. Note, fence proposed as part of this application will not require the intermediate structural member shown in this image.

Landscaping Works

As part of the fence re-alignment works, the existing garden bed located adjacent to the existing fence line (on the external side of the fence), is proposed to be relocated. All existing viable planting will be salvaged, and be transplanted adjacent to the new fence line, in the same arrangement. Any plants that cannot be salvaged for relocation will be replaced on a like-for-like basis.

The schedule below sets out a summary of the species of planting from the current landscaped area, proposed to be salvaged and relocated:

SPECIES	QUANTITY
Cornus florida 'Rubra'	4 @5m cts
SHRUBS	
Rhododendron kurume (Azalea - Purple)	20 @ 2m cts
Rhododendron kurume (Azalea - Red)	20 @ 2m cts
Rhododendron kurume (Azalea - White)	20 @ 2m cts
Euonymus alatus 'Compactus'	6 @ 2m cts

Nandina domestica 'Nana'	50 @ 600cts
Camelia Sasanqua 'Pure Silk'	24 @ 1.5m cts
GROUNDCOVERS	
Helleborus orientalis 'Lenton Rose'	45 @1m cts
Dianella tasmanica	40 @ 600mm cts
Liriope muscari 'Evergreen Giant'	80 @ 500mm cts

As per the current arrangement, the relocated plants will be arranged in a linear form, parallel to the fence line, with larger species of trees and shrubs located adjacent to the fence, and smaller groundcover varieties adjacent to the pedestrian pathway.

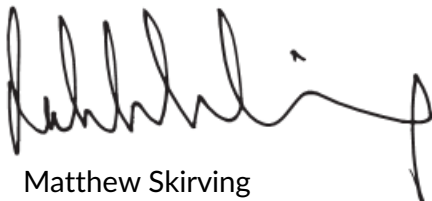
None of the existing mature trees located in the vicinity of the proposed works are proposed to be removed, including the "Turkey Oak" planted by the Rotary Club of Launceston. In discussions with representatives of the club, free access to inspect the tree will be provided to the Club and its members for anniversary or other memorial purposes.

The enlarged area within the proposed new fence line will be landscaped as a grassed area for use by facility patrons, as per the proposed plan provided with the permit application.

Given the works propose to only relocate (or replace, like-for-like as necessary) the existing planting in the same arrangement, the proposal is considered to be in keeping with the existing character of the surrounding area, and have minimal impact with regard to the *Landscaping* and *Scenic Management Code* provisions of the Planning Scheme.

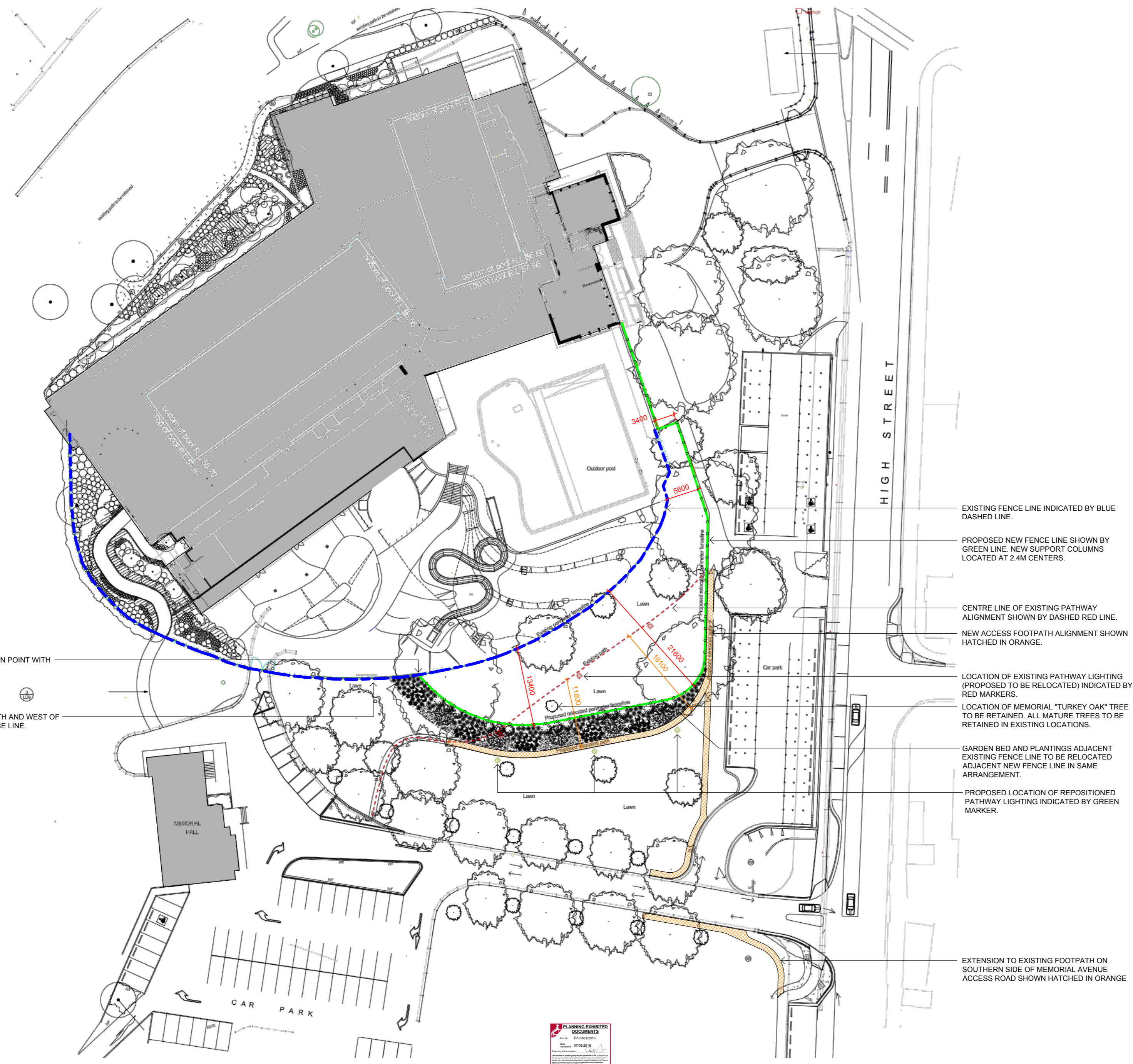
I believe the accompanying documentation, along with this correspondence, satisfies the required application documentation. Please do not hesitate in contacting me should you require any additional information, or clarification, regarding this permit application.

Yours sincerely



Matthew Skirving

Manager Architectural Services, City of Launceston.



PROPOSED NEW FENCE LINE CONNECTION POINT WITH EXISTING FENCE LINE.

EXISTING FENCE LINE RETAINED TO SOUTH AND WEST OF CONNECTION POINT WITH EXISTING FENCE LINE.

EXISTING FENCE LINE INDICATED BY BLUE DASHED LINE.

PROPOSED NEW FENCE LINE SHOWN BY GREEN LINE. NEW SUPPORT COLUMNS LOCATED AT 2.4M CENTERS.

CENTRE LINE OF EXISTING PATHWAY ALIGNMENT SHOWN BY DASHED RED LINE.

NEW ACCESS FOOTPATH ALIGNMENT SHOWN HATCHED IN ORANGE.

LOCATION OF EXISTING PATHWAY LIGHTING (PROPOSED TO BE RELOCATED) INDICATED BY RED MARKERS.

LOCATION OF MEMORIAL "TURKEY OAK" TREE TO BE RETAINED. ALL MATURE TREES TO BE RETAINED IN EXISTING LOCATIONS.

GARDEN BED AND PLANTINGS ADJACENT EXISTING FENCE LINE TO BE RELOCATED ADJACENT NEW FENCE LINE IN SAME ARRANGEMENT.

PROPOSED LOCATION OF REPOSITIONED PATHWAY LIGHTING INDICATED BY GREEN MARKER.

EXTENSION TO EXISTING FOOTPATH ON SOUTHERN SIDE OF MEMORIAL AVENUE ACCESS ROAD SHOWN HATCHED IN ORANGE

Legend

- Proposed relocated perimeter fence line
- ⊕ Proposed relocated light poles
- - - Existing path
- ⊕ Existing light poles

Notes

New anti-climb security fence
 2400mm high "Leda Securamesh" steel mesh fencing panels with RHS Steel fence posts. Charcoal powder coat finish.

Title: Launceston Aquatic Perimeter Fence Design Concept

Project: Launceston Aquatic High Street, Launceston

PROPOSED SITE PLAN

Design by: Karen Johnson

Project number: 01.01.04.15v1

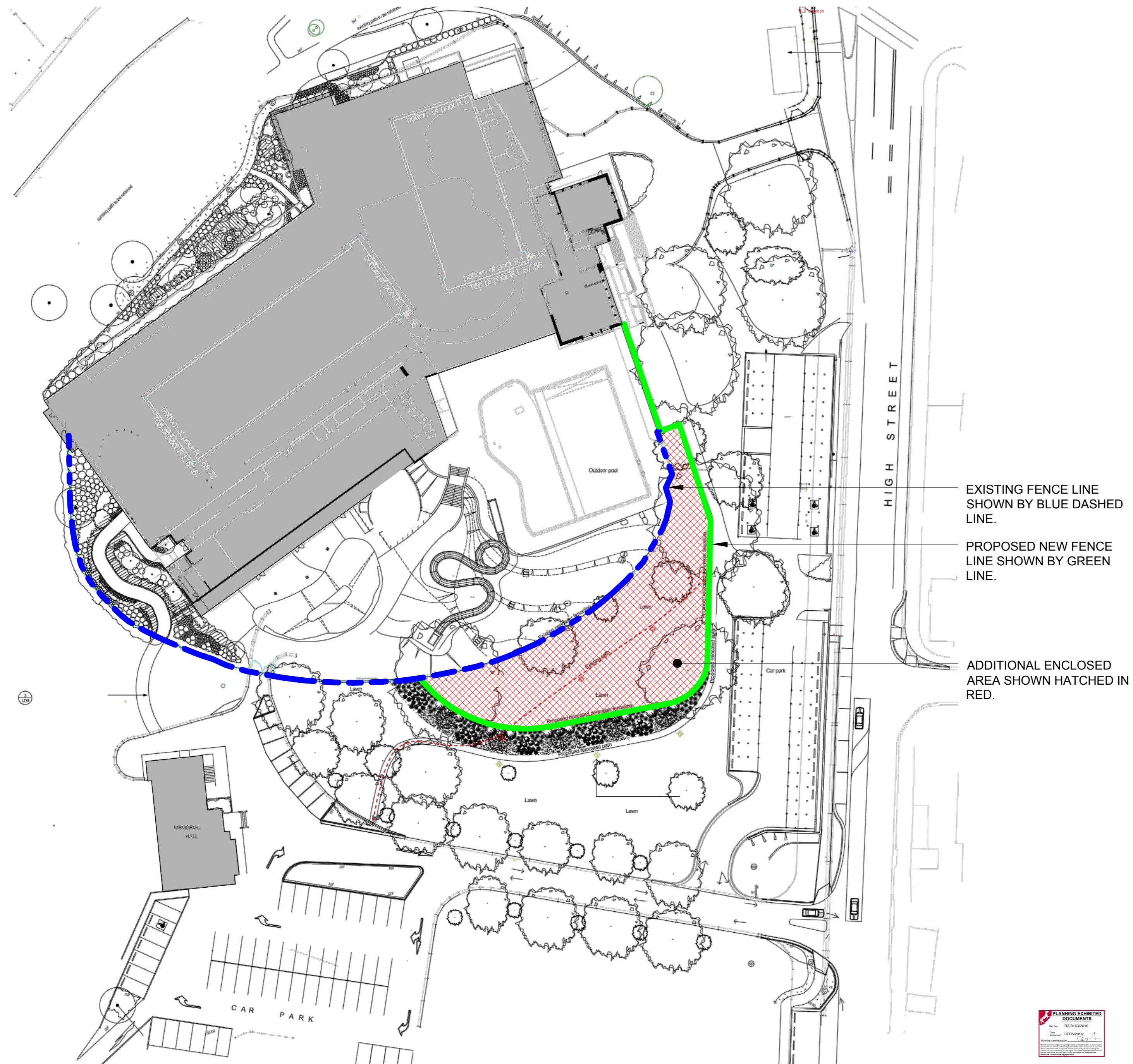
Scale @ A2: 1:500

All dimensions to be verified on site by contractor prior to commencement of any work or construction drawings.

This drawing remains the property of the designer and my not be used without permission. It is a design concept only and not to be used for construction purposes.

PO Box 2054
 Launceston Tasmania 7250
 m. 0400 258 362
 e. karen@kjlandscapedesign.com.au





Legend

- Proposed relocated perimeter fence line
- ⊕ Proposed relocated light poles
- - - Existing path
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Notes

New anti-climb security fence
 2400mm high "Leda Securamesh" steel mesh fencing panels with RHS Steel fence posts. Charcoal powder coat finish.

EXISTING FENCE LINE SHOWN BY BLUE DASHED LINE.

PROPOSED NEW FENCE LINE SHOWN BY GREEN LINE.

ADDITIONAL ENCLOSED AREA SHOWN HATCHED IN RED.

Title: Launceston Aquatic Perimeter Fence Design Concept
Project: Launceston Aquatic High Street, Launceston

DIAGRAMMATIC SITE PLAN

Design by: Karen Johnson
Project number: 01.01.04.15v1
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SECUREMAX[®]

High Security Fencing

Protecting your interests



Manufactured by
AUSTRALIAN SECURITY FENCING P/L



SECUREMAX®

High Security Fencing

100% Australian made, SECUREMAX® Fencing is manufactured especially for the security industry. It is widely used for its strength, appearance and anti-climb/anti-attack profile. Created from 4mm zinc alloy coated wire, the finger-proof mesh format is produced by machine contact welding at each intersection. The aperture of 71mm x 9mm makes it extremely difficult to penetrate using conventional hand tools presenting a higher delay factor greater than that of other fencing products. Rear tamper proof fixings assure that the panel cannot be removed from the attack side. The SECUREMAX® support posts are unique in profile, strength, fixing ability and ease of installation. Top and bottom rails can be utilised to provide additional strength. SECUREMAX® provides the complete security package for industrial and commercial properties to high security applications.

UNIQUE DESIGN

SECUREMAX® is unique in several ways. Minimal components means flexibility is available when ordering job quantities and additional components. Double "C" section posts and angle rails ensure the system is easy to transport, handle and install. This unique design allows SECUREMAX® to be suitable for level and sloping sites. SECUREMAX® mesh sheets incorporate additional edge wires for added strength and security at fixing points. Rear tamper proof fixings create a security fence which is undeniably a leader in its field.

PROVEN SECURITY

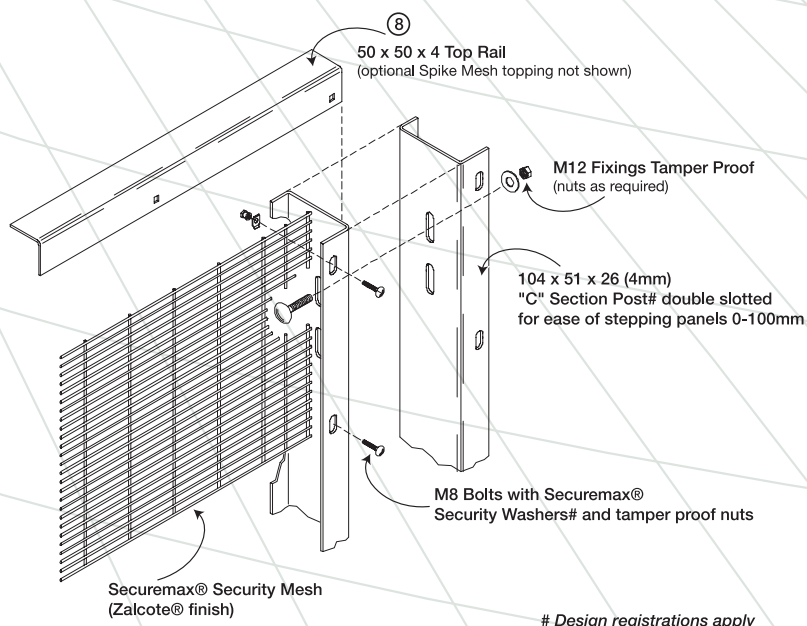
Recently ASIO tested and awarded SCEC endorsement, SECUREMAX® is several times harder to penetrate than other high security fences proving delay factors well beyond any other fencing product with the same benefits. The SECUREMAX® system gives an anti climb/attack profile that is finger proof and extremely difficult to cut. With a history of successful installations throughout Australia and Europe, closed space mesh security fencing is becoming the security fence of choice.

LONGEVITY

The wire used in SECUREMAX® has been specially designed for high security welded meshes. The zinc aluminium alloy coating provides superior corrosion resistance to ordinary galvanised coatings. The wire's unique tensile properties increase it's resistance against penetration. Zinc aluminium alloy coatings offer excellent corrosion protection for wire products as they combine the benefits of active cathodic protection of zinc with the passive protection of aluminium. This zinc alloy coating of Securemax® conforms to Australian Standard 2423 – 2002. In external atmospheric conditions, a zinc / 5% aluminium coating offers from 2 to 4 times greater protection, per unit coating mass, than hot dipped galvanised zinc coatings.



TYPICAL SECUREMAX® FIXING DETAIL



APPEARANCE

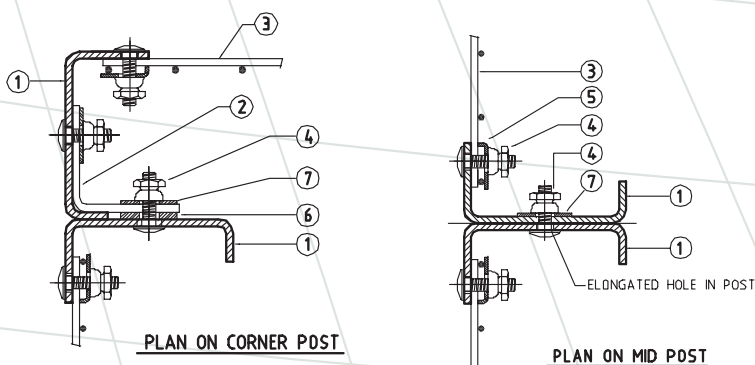
SECUREMAX® high security fencing is available in hot dipped galvanised and a range of powder coated colours which allows the fence to blend to your environment. The horizontal apertures provide a highly transparent finish to the fence line with minimal visual impact allowing clear camera surveillance to identify intruders. Combined with the use of "C" section posts the SECUREMAX® system gives a smooth aesthetic appearance belying its high security foundations.

INSTALLATION

The installation process for the SECUREMAX® High Security Fencing System is very simple and user-friendly. Minimal fencing components allow fast and accurate installation. The system has been designed to allow panels to step and/or rake making it suitable for all site conditions. SECUREMAX® mesh sheets are available in various lengths to accommodate raking.

The unique post design doubles as intermediate posts and corner posts eliminating the need for 90 degree corner posts. The system's versatility enables the consumer to purchase additional components and various toppings to be retrofitted to the installation if required.

TYPICAL SECUREMAX® POST DETAIL



1. Standard Securemax® Steel Fence Posts
2. Standard Securemax® Corner Bracket
3. Standard Securemax® Welded Mesh Panel
4. Standard Dome Bolt with Shear Nut
5. Standard Securemax® Washer
6. Standard Washer 4mm thick
7. Standard Washer 2mm thick
8. Standard Top and Bottom Rails



TOTAL SECURITY

SECUREMAX® Fencing brings with it an assurance that your property will be protected for years. The SECUREMAX® fencing system is a perfect structure to support or compliment various additional detection systems such as, EDS Electric Detection Systems which can be added for a total security package.

APPLICATIONS

- Correctional and Detention Facilities
- Water Treatment Plants
- Roads and Bridges
- Power Stations
- Industrial Factories
- Private Industries
- Shipping Ports
- Gas Lines
- Railways
- Airports
- Etc.

Other Products by Australian Security Fencing P/L include:



ForceField® Series Electronic Fence Controller



**RAZAR
TAPE**

Razar Tape® range of high security fencing products



Croc Top® range of high security fence toppings



Australian Security Fencing Pty Ltd
138 Fairey Road, South Windsor NSW 2756
Ph: 1800 666 927
www.asf4u.com.au

