

Attention: General Manager

Warringah Council

Installation of Front Boundary Fence

The Department of Education and Communities (DEC) would like to advise that a Diplomat powder coated (2.1 metre high) tubular steel security fence will be installed at the front boundary of Brookvale Public School on Old Pittwater Road and a section of Elizabeth Place. See attached location map.

As stated in the State Environmental Planning Policy (Infrastructure) 2007 - Clause 30 Part 3 under the Environmental Planning and Assessment Act 1979:

30 Notification of carrying out of certain development without consent

- (2) Before development to which this clause applies is carried out, the proponent of the development must:
- (a) Give written notice to carry out the development to the council for the area in which the land is located (unless the proponent is that council) and to the occupiers of adjoining land,
And
 - (b) Take into consideration any response to the notice that is received within 21 days after the notice is given.

Responses are to be submitted in writing within 21 days from the date of this notice to Andrew Steel Manager, Northern Sydney Region Asset Management Unit at the address shown below.

Yours sincerely



Greg Stretton
Asset Services Officer
Asset Management Unit
Northern Sydney Region

13 February 2014



Technical Specification

LOCATION OF SERVICES

The Contractor is to determine, prior to commencing of the work, the location of all in ground services such as water, gas, electricity and communication pipes or lines, the cost of which is to be borne by the Contractor.

Prior to the installation of any fencing within one (1) metre of underground electrical or communication lines consent of the local authority must be obtained.

REMOVAL OF EXISTING FENCING

The Contractor is responsible for the removal and disposal of the existing fencing and make good as necessary.

LIGHT POLES, SIGNS and/or SUB-STATIONS

The Contractor is to redirect the fence by allowing one (1) metre clearance around any power pole, sign or sub-station or other item identified by the Principal. Posts within 1.0m of a sub-station to be 100x100mm H.4 treated pine.

SHRUBS and FOLIAGE

The contractor must remove all shrubs and foliage less than 3 metres in height within 1metre of the fence prior to the installation of the new fence at the school.

INSTALLATION

FENCING GENERALLY

The contractor is to allow one metre around objects as identified, however, if this is not possible, the panel shall be fitted with perforated metal prior to powder coating.

On-site welding is to be avoided. Repairs to cut or damaged powder coated material are to be made using an appropriate anti-corrosion treatment and coating system that provides the same protection and appearance as the finished product.

PANELS

The Contractor must ensure that full panels are installed on both sides of all gates where practical.

All panels are to be fitted with a maximum ground clearance of 150mm.

Where ground clearance exceeds 150mm, the panels are to be raked to achieve the foregoing level of clearance. Raked panels are to be fabricated in accordance with the fence manufacturer's recommendations.

Stepping is not accepted except in exceptional circumstances and with the written agreement of the authorised person. Where stepping is accepted, stepped panels must be a minimum length of 1200mm. Where the ground clearance still exceeds 150mm and where local depressions occur that cannot be filled, pickets shall be extended through the bottom rail to a maximum of 300mm in order to maintain the maximum clearance of 150mm.

Barbed wire must not be used as an infill underneath panels. Cut panels

must be a minimum of 1200mm.

Panels can be stepped or raked where the ground clearance for a panel does not exceed 150mm. Note a uniform 150mm rise over a 2400mm fence pane/length equates to a ground slope of 3.6 degrees. It is, however, preferred that sections of a fence be either raked or stepped. Where a combination of raking and stepping is proposed over a section of fence, the Principal is to be advised, preferably at the time a Response to a Request for Quotation is provided, to allow an alternative arrangement to be considered.

GATES GENERALLY

The Contractor is to allow for three types of gates, the approximate sizes are as follows:

- Single- 1.3m to 2.4m
- Double- 2.4m to 4.8m
- Other - 4.8m to 6.0m (bus turn area)

Gates to be manufactured from pre-galvanised steel tube, zinc coated inside and outside to AS 1450-1983 and AS 1397 - 2001.

On-site welding is not acceptable except in exceptional circumstances.

All bolts used for panel and gate hinge fixing must be burred or bent after installation to prevent the removal of nuts.

Speed humps must be installed under gates where the ground clearance exceeds 150mm.

The Contractor is to verify the width of all gates on the Work as Executed Drawings.

VEHICLE GATES

Vehicle access gates must be recessed within the property boundary where necessary to enable vehicles to stop off road to allow opening and closing of the gate. Returns are to be splayed to maximise sighting of passing vehicles and pedestrians.

POST HOLES

A post hole (also referred to as a dig) is a machine-drilled or hand dug hole in soil, rock or other than rock material. The Contractor is to allow for 25% of all post holes to be in rock. Also Refer Clause 3.2 of Preliminaries

Fence Posts

Fence posts, including intermediate posts, are to be set in a minimum 250mm diameter x 900mm deep footing.

Corner post holes or change in direction post holes, over 45°, must be set in a minimum 300mm diameter x 900mm deep footing.

Gate Posts

Gateposts are to be set in a minimum 300mm diameter x 900mm deep footing. The top of the gate post footings to a depth of 200mm are to be uniform in circumference and the top surface is to be trowelled finish level with the existing surface

PAD LOCKS

The Principal shall provide ES Padlocks to the Contractor prior to installation of gates. No other padlock MUST be attached to the fencing at any time.

SITE STORAGE & PROTECTION

Unless alternate arrangements are agreed with the Principal, to avoid hazards and complaints, store all goods, material and equipment, including any shed or portable toilet, on site within the school boundary within a secure 'construction safety fence' of minimum height of 1800mm. The location for the Contractor's compound and storage area is to be in a location acceptable to the Principal. The Contractor is to provide a toilet and facilities for its use.

Provide safety fencing to all areas where existing fencing is removed until new fencing is installed. Limit the removal of existing fences to areas that can be protected. The type of safety fencing required and the timing of the installation of the safety fencing is to ensure the safety of all those using the schools sites and adjoining public.

Limit the excavation of potholes at one time to those that can be backfilled within the current day.
Provide control measures to protect those on and adjacent to the work sites including in accordance with Clause 235 of OHS Regulations 2001. Avoid trip and subsidence hazards.

The type of protection required and the timing of the protection works is to ensure the safety of all those using the work sites, schools sites and adjoining public.

As required in the Occupational Health & Safety Management Guidelines – Site Safety Rules, the Contractor must provide U barricades and fencing to protect all workers and the public. Site protection and security are identified as risks that need to be addressed in the Site Specific Safety Management Plan.

ELECTRICITY AND WATER

The Contractor must arrange with the Authorised Person at the time of inspection as to availability of water if required. A reasonable amount will be provided by the Principal.

RETURNS

When a school adjoins a private property with front and side fence of timber or brick and thence a timber or colour bond side fence, the Security Fence would proceed along the front street line of the school to the adjoining property and thence along the adjoining property boundary to provide adequate security for the school.

SECURITY FENCE - TYPE 1

Powder coated tubular steel Security Fence.



PANELS

Pickets and rails manufactured from pre-galvanised steel tube, zinc coated inside and outside to AS 1450-1983 and AS 1397 - 2001

Height- 2100mm.
Length- 2400mm.

25mm x 25mm x 1.2mm vertical pickets with maximum **115mm** spaces inserted through 40mm x 40mm x 1.6mm punched rails with each picket to be welded at top and bottom of both top and bottom rails.

Pickets to be cut and pressed to form spear point top.

All welds to be silicone bronze.

Rails to be 150mm from both top and bottom of vertical pickets.

Finished panels must be fully powder coated to the required coating system.

FENCE POSTS

65mm x 65mm x 2.5mm x 3000mm long pre-galvanised steel tube, zinc coated inside and outside to AS 1450-1983 and AS 1397 -2001, complete with steel cap.

Finished posts and caps must be fully powder coated to the required coating system as detailed in Clause 2.6.

FITTINGS

Galvanised internal rail brackets and sleeves fastened to posts using 5mm stainless steel rivets or tamper resistant fixings.

Fixings are to be on the inside of the fence unless prevented by bracket positioning.

Where changes of direction are not 90°, the bracket is to be reconfigured on site to suit the angle, and the sleeve is to be cut at the required mitre from matching powder coated powder- coated material.

Brackets and sleeves must be powder coated to match finished panels and posts.

GATES

Single Gates

Manufactured from pre-galvanised steel tube, zinc coated inside and outside to AS 1450- 1983 and AS 1397 - 2001.

65mm x 65mm x 1.6mm vertical stiles fitted with steel caps.

65mm x 65mm x 1.6mm horizontal rails.

Top Rail to be 150mm from top of vertical pickets.

Supplied with twin bottom 65mm square rails.

25mm x 25mm x 1.2mm vertical pickets with maximum 115mm spaces inserted through 65mm x 65mm x 1.6mm punched rails with each picket to be welded at top and underside of top rail, underside of higher bottom rail, and top of bottom rail.

Pickets are to be welded into punched bottom rail but not protrude through bottom of that rail.

Pickets to be cut and pressed to form spear point top.

Supplied and fitted with heavy-duty adjustable ball bearing hinge at top, and roller bearing hinge at bottom, which are welded to gate and bolted through gate posts.

Complete with internal Broadhurst or similar protected/encased locking mechanism positioned 1500mm from bottom of gate. Slide bolt to be lockable in both the open and closed positions.

Broadhurst or similar protected/encased locking mechanism to have 20mm diameter steel slide bolt.

Keeper for slide bolt to be elongated in height and to be bolted to closing post.

Lockable drop bolt (850mm in length). All gate leaves to have perforated metal fitted to prevent use of drop bolt assemblies as climbing points. Perforated metal to be welded against gate stile and second picket, from top of higher bottom rail to underside of top rail.

Where drop bolts do not reach the ground when the gates are open, a yellow 1800mm high post and steel cap with bolt-on keeper is to be installed. Post is to be concreted 600mm in the ground and finished as per gate posts.

These yellow posts are to be 65mm x 65mm x 2.5mm pre-galvanised steel tube, zinc coated inside and outside to AS 1450-1983 and AS 1397 - 2001.

Finished gates must be fully powder coated to the required coating system as detailed in Clause 2.6.

2.1.1 Double Gates

As per single gate unless otherwise specified.

GATE POSTS

Single gates with a 1.5m opening or less, and Double gates with a 3m opening or less, shall be hinged from a single 100mm x 100mm x 5mm x 3000mm long pre-galvanised steel tube posts, zinc coated inside and outside to AS 1163-1991 and AS 4750 - 2003, capped with galvanised steel caps

Double gates with an opening of 4m or more, shall be hinged from twin 100mm x 100mm x 5mm x 3000mm, or 150mm x 150mm x 5mm x 3000mm, long pre-galvanised steel tube posts, zinc coated inside and outside, capped with galvanised steel caps. Twin posts are to be an overall outside width of 300mm.

Finished posts must be fully powder coated to the required coating system as detailed in Clause 2.6

SPECIFIC COATING SYSTEM

Four alternative coating systems are specified;

- Pre-treatment plus Option 1- Standard Coating,
- Pre-treatment plus Option 2-Anti Graffiti Coating,
- Pre-treatment plus Option 3-Corrosion Protection plus Option 1-Standard Coating,
- Pre-treatment plus Option 3- Corrosion Protection plus Option 2 - Anti Graffiti Coating.

Quality Control for all coating systems are as specified in Preliminaries Clause 4.1.

Where the coating system includes Option 3 - Corrosion Protection, a minimum 1000 hours neutral salt spray performance in accordance with AS4506.2005 Appendix J shall be achieved.

Where the coating system does not include Option 3 - Corrosion Protection, a minimum 750 hours neutral salt spray performance in accordance with AS4506.2005 Appendix J shall be achieved.

CLEANING AND CHEMICAL PRE-TREATMENT

This application is required for all fencing panels, posts and gates prior to application of the specified coatings.

New zinc surfaces are to be examined for flux residues, weld spatter, forming oils and foreign matter, all of which are to be removed as part of the pre-treatment for powder coating.

Surfaces that show white storage stain (white rust) or other corrosion products are to be cleaned, degreased and pre-treated. White rust can lead to adhesion problems or out-gassing of the powder coating. Silicone based anti spatters are not to be used as they may lead to de-wetting of the powder.

Pre-treatment shall be carried out in accordance with AS4506.2005 table 2.1, D High Marine/Industrial.

Powder application must occur within 24 hours of substrate pre-treatment.

Pre-treatment processes are to be maintained and tested in accordance with the pre-treatment suppliers recommendations.

COATING SYSTEMS

Option 1 -STANDARD COATING SYSTEM

Under Option 1 – Standard Coating, a topcoat consisting of a polyester powder coating in the nominated colour and gloss finish, shall be applied and cured in accordance with the coating manufacturer's specification.

Student Behaviour Support Plan Proforma

Name of student: [redacted] Year: 2 (2014) School: Brookvale PS
Date: 19 December 2013

Behaviour Identification	Context	Assess Behaviour	Elimination or Control Measures	Who	When
What behaviours cause the most concern?	What is the purpose of the behaviour? What can trigger the behaviour? Where is the behaviour likely to occur? When is the behaviour likely to occur? Other contributing factors?		Identify strategies for the environment, work practices and the student to: - Eliminate or minimise triggers - Manage the behaviour safely - Respond safely if behaviour escalates		
Risk of injury to self from: Absconding from school grounds. Danger from traffic. Danger from passing strangers, as Jack has a fondness for socialising with people he does not know	Jack is autistic, ADHD and IM. He is hyper-impulsive and has a very short attention span. Jack will run towards anything that attracts his interest without regard to his safety. On his visits to BPS he has been fascinated by the busy roads and has needed to be restrained from running away towards traffic. These behaviours are likely to occur at any time when Jack is outside of the classroom – playtimes, transition times, etc. A contributing factor is the location of BPS, on a busy 4-way intersection, with continuous heavy traffic flow. BPS has low and incomplete fencing with many access points. Another factor is the openness and size of the school grounds. There are many areas where Jack could wander off to and not be seen by supervising staff.		A meeting and site assessment has been held with Suzanne Lawrence and Greg Stretton (AMU) to assess the risks to Jack and put in place measures to manage Jack's safety at BPS. (19/12/13) A perimeter security fence with some internal fencing and gates, when managed effectively, will eliminate the risk of Jack absconding or having access to strangers. Interim measures will include: - Temporarily blocking off an external access door near Jack's classroom. Grades 1-6 will have to enter and exit the building using a single access door. (Emergency Evacuation Plans will need to be amended) - Positioning laminated signs at various points around the building and grounds – (STOP! Red hand). - Informing the parent community via the newsletter that all gates should be closed to ensure the safety of all our students. - A Teachers' Aide will be in the playground with Jack at morning tea time to ensure his safety. - The Principal/Assistant Principals will be with Jack at lunch time to ensure his safety. - When Jack's class is transitioning around the school, Jack will walk at the head of the line with the teacher. - When Jack needs to visit the bathroom during lesson time, the teacher will call the front office for an adult to accompany him. - After consultation with Jack's parents, appropriate games and toys will be provided to attempt to focus Jack's attention and distract him behaving impulsively. - Jack will have two Stage 3 buddies allocated to him to play with him in the playground and reinforce positive behaviour choices. - Social stories will be used to help Jack develop his ability to behave safely and comply with boundaries, stop signs, etc.		
Risk of injury to other students from: Attempting to intervene if Jack tries to abscond	There is a risk that other students might place themselves at risk whilst attempting to keep Jack from running away or approaching strangers.				
Risk of injury to staff from:					

Relevant additional information reviewed and attached: No
Plan prepared by: Bev Maunder Position: Principal Date: 19 December 2013
Prepared in consultation with:
Communicated to: Suzanne Lawrence, Val Dreghorn (counsellor) Vicki Staniforth (LST co-ordinator)

Monitor and Review: Monitor the effectiveness of controls and change if necessary. Review the behaviour assessment if an incident or a significant change occurs.

1379 - Brookvale Public School Site Plan (10912)

