

SPECIFICATION

TOMAREE CROQUET COURTS

SCOPE OF WORKS

SITE MANAGEMENT AND ESTABLISHMENT

- Prior to the commencement of any work the contractor will prepare a dilapidation report for and with Council's representative.
- The contractor shall allow to locate and protect any existing services.
- Prior to the commencement of any work the contractor will provide a Construction Environmental Management Plan and site specific safety documentation.
- Earthworks and associated clearing and stripping operations shall only extend to those limits shown on the drawings together with the batters for such earthworks or as otherwise described.
- The contractor shall provide temporary security fencing around the site for the duration of the works.
- The Contractor shall provide effective drainage and sediment control on the site at all times. On completion of the Contract, the Contractor shall clean out and remove any rubbish, debris or other matter in the drainage system.
- The Contractor shall allow for all costs and charges in relation to rubbish disposal. The Contractor will collect, stockpile and remove all rubbish, debris, stripped vegetation and other deleterious matter from the site.
- All rubbish debris and other deleterious matter shall be removed from the site at the contractors expense.
- The Contractor shall **not** allow in his Tender for excavation in rock.
- At no time shall site works interfere with the day-to-day events occurring at the adjacent sports facilities.
- Port Stephens Council will provide electronic survey data

PRELIMINARIES AND VEGETATION CLEARING

The contractor is to allow for all work required to clear the area for the croquet courts, access road and all adjacent batters.

- The existing fence on the eastern edge of the croquet surface is to be removed and assessed for recycling opportunity.
- The existing perimeter fence on the western edge of the football facility is to be removed and assessed for recycling opportunity.
- Two shade shelters and park furniture are to be removed and stowed for reuse.
- A 20ft shipping container is to be relocated to an area clear of the work site
- All vegetation is to be removed, processed to mulch and stockpiled on site for use in landscaping.
- Vegetation outside the extent of works is not to be damaged.
- The location for stockpiling of the mulch will be nominated on site by the superintendent's representative.
- The clearing process is to be restricted to the area outlined on the design plans
- In areas where existing vegetation limits pegging of the site, clearing is to be progressive and offset pegs will be provided.
- Upon removal of vegetation, the soil is to be tined and turned to a depth of 0.5 metres to ensure that all root material is removed.

Inspections and Hold Points

Site to be pegged prior to commencement. **(Inspection) (Hold Point)**

Removal of root material to be confirmed by tining and visual inspection by the superintendent.

(Inspection) (Hold Point)

CROQUET COURT PLAYING SURFACE

Upon completion of the vegetation clearing, the contractor is to undertake earthworks to achieve sub grade levels

- The existing asphalt access road and pavement is to be milled and stockpiled for re-use in the construction of the new access road.
- The site is to be cut and filled to the levels indicated on the construction drawings.

- The contractor is to use any topsoil resulting from bulk earthworks in the restoration of the area. There is to be no excess topsoil left on the site at the completion of the works.
- The contractor will be required to coordinate with Port Stephens Council trades staff for the installation of the irrigation system. The irrigation system will be an extension of the existing system.
- A 150mm deep growing medium is to be installed upon the prepared sub-grade. The growing medium is to consist of a free draining blend of soil and organic material. Details of the product are to be provided with the tender submission.
- Laser levelling equipment is to be used to achieve the finished surface levels on the playing surface.
- Existing services will be located and marked prior to the commencement of the work. The contractor will then be responsible for any damage that may be caused by the works.
- Washed Greenlees Park Couch turf rolls are to be used to revegetate the new playing surface.
- The surface on which the turf is to be laid is to be prepared and irrigated prior to the commencement of the installation.
- The turf is to be laid within 24 hours of cutting and kept moist until used.
- All material is to be covered during transport and delivered to the site in a manner that ensures the turf is in excellent condition when laid without any drying of the plant material.
- The laying process is not to damage the prepared surface.
- All plantings are to be rolled immediately after being laid and thoroughly irrigated.

Inspections and Hold Points

Sub-grade and growing medium surface levels to be confirmed by survey at 10m intervals along the centreline and at the corresponding offsets at 5m intervals along the cross sections.

Sub-grade and Growing Medium Surface; Confirm levels by survey, and test to confirm compaction as specified.

(Inspection) (Hold Point)

The testing is to be carried out at 10 locations that are evenly spaced over the area which are to be determined by the superintendent.

The contractor is responsible for damage to any adjoining structures or properties caused by the excavation and is to take appropriate measures to provide effective protection. **(Inspection)**

SANDSTONE LOG RETAINING WALL

The contractor is to supply and install a sandstone block retaining wall to separate the playing surface from the access road buffer. This retaining wall also provide the means for a necessary level change along the access road edge. The wall will have 3 varying heights from 500mm high to 750mm high to 1.25m high.

- The retaining blocks are to be 2000mm in length and 500mm square and 2000mm in length 500mm wide by 250mm high.
- The blocks are to be A Grade in quality and are to be sawn on all sides except one rough face which will be exposed.
- The contractor is to set out the alignment for the wall as indicated on the design plans
- The retaining blocks are to be placed on the compacted sub-grade
- The rear of the wall is to be lined with geofabric and a subsoil drainage line is to be installed
- The subsoil drainage line is to consist of a 100mm socked agline and will tail out at south western end of the wall.
- The wall is to be backfilled with free draining sand material

Inspections and Hold Points

Inspect sandstone blocks for suitability **(Inspection)**

Sub-grade levels and set-out prior to installation of retaining blocks **(Inspection)**

ACCESS ROAD

The contractor is to construct the access road into the facility on the alignment indicated on the design plans.

- The contractor is to undertake earthworks to achieve subgrade design levels. Subgrade should be compacted to a dry density index of at least 80%.
- Subbase Course - Place and compact 120mm of DGS40 upon the finished level of the compacted subgrade. Compact subbase course to at least 95% dry density ratio Modified (AS 1289.5.2.1)

- Base Course - Place and compact 150mm of DGB20 upon the finished level of the base course. Compact base course to at least 98% dry density ratio Modified (AS 1289.5.2.1)
- The surface of the base course is to be swept and all loose material is to be removed prior to the application of the wearing course.
- Wearing Course - A primer seal and a 14/7 two coat seal are required.
- No work is to proceed on any subsequent layers until complying test results for the previous layers have been received.
- Concrete Dish Drain – A concrete dish drain is to be installed along the eastern edge of the access road. The dish drain details are documented on the attached design plans
- The contractor is to reinstate the perimeter fence on the western edge of the football facility on the new alignment.

FENCING

The contractor is to undertake the supply and installation of fencing and gates as detailed on the design plans

Croquet Perimeter

- 1000mm high, galvanised chain wire fence with top and bottom rails.
- Posts will be minimum 1.6m long and have 40mm nominal bore. The posts will be capped.
- The posts will be set 600mm into the ground, (fence=1000mm high) and the post-hole will be 200mm minimum diameter and completely filled with concrete. The finished level of the concrete will be 75mm **below** the ground surface. The distance between the posts will not exceed 2.4m.
- The bottom rail is to be no more than 40mm above the finished surface.
- All posts and rails are to be galvanised.

Football Facility Perimeter

- 1800mm high, galvanised chain wire fence with top and bottom rails
- Posts will be minimum 1.6m long and have 40mm nominal bore. The posts will be capped.
- The posts will be set 1000mm into the ground, (fence=1200mm high) and the post-hole will be 200mm minimum diameter and completely filled with concrete. The finished level of the concrete will be 75mm **below** the ground surface. The distance between the posts will not exceed 3.0m.
- The bottom rail is to be no more than 40mm above the finished surface.
- All posts and rails are to be galvanised.

Inspections and Hold Points

Post Holes; Visual inspection for correct diameter and depth prior to any concrete being poured. **(Inspection)**

Finished Work; Visual inspection to check finished level of concrete is 75mm below finished surface, poles are vertical and fence is in line. **(Inspection) (Hold Point)**

The site will be inspected to ensure that all wire off cuts and debris are removed daily and payment will be withheld until all restoration is complete. **(Inspection)**

PURCHASE OF MATERIALS

- The Contractor is responsible for the ordering and purchasing all materials required to complete the works other than those supplied by council as stated in the specification.

INTERPRETATION OF DRAWINGS

- The Contractor is to check all relevant dimensions on site before proceeding with the work. Dimensions for construction are not to be scaled from drawings.

- Should any clarification be required the Superintendent is to be contacted prior to undertaking the works.

INSPECTIONS AND SUPERVISION OF THE WORKS

- It shall be the Contractor's responsibility to determine whether any work performed and Goods supplied pursuant to this contract are in accordance with the Contract and are to the standard, quality and finish provided for in the contract.
- The Contractor is responsible for on-site supervision and acceptance of the construction works by the Superintendent in accordance with the plans and specifications.
- Any contract variations are not to proceed without the approval of the Superintendent in writing, unless the work being undertaken relates to an urgent safety matter which is to be immediately communicated to the Superintendent.
- The contractor is to provide after-hours contact numbers to the Superintendent.

HOURS OF CONSTRUCTION

- Construction works other than the attending protection of the works, safety and security measures or emergency needs shall be restricted to the daylight hours of 7.00am to 5.00pm. Monday to Friday, and 7.00am to 1.00pm on Saturday.
- Construction work shall not be carried out on Sundays or any public holidays, without prior written approval of the Superintendent.

SITE ACCESS

The site can be accessed from Tarrant Road off Nelson Bay Road. There is also an alternative access road off Palmer Way which is also accessed from Nelson Bay Road.

SITE SECURITY

- The Contractor is to ensure that the site is secured at all times during construction.

COMPLETION WORKS

- Any damage caused by the works is to be repaired satisfactorily before final payment will be made.
(Inspection)
- All site facilities and storage containers are to be removed.

DEFECTS LIABILITY

- The defects liability period will be 12 months from practical completion.