

3.1. Anderson Park Sportsfield Reconstruction

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ATTACHMENTS: Nil

PURPOSE:

This report provides a status update on the Anderson Park Sportsfield Reconstruction and Lighting Upgrade.

EXECUTIVE SUMMARY:

This report presents information on the construction progress and ongoing program for the Anderson Park Sportsfield reconstruction and lighting upgrade.

FINANCIAL IMPLICATIONS:

Grant funding of \$782,062.50 has been provided through a successful grant application.

North Sydney Council will provide the additional funding of \$260,687.50 through capital works reserves.

RECOMMENDATION:

1. THAT the Anderson Park Sportsfield Reconstruction and Lighting Upgrade report be received.

LINK TO COMMUNITY STRATEGIC PLAN

The relationship with the Community Strategic Plan is as follows:

1. Our Living Environment
- 1.4 Well utilised open space and recreational facilities

BACKGROUND

A combined Plan of Management/Masterplan was prepared for Anderson Park in response to a resolution made at the Council meeting on 18 April 2016. The new PoM/Masterplan for Anderson Park was completed in February 2019.

The Plan of Management listed key issues identified in relation to sport and recreation. The issues listed below relate specifically to the Stage 2 sportsfield relocation and upgrade.

Park Maintenance - The sportsfield is highly susceptible to wear due to its use levels (in winter) and the limitations of its soil, drainage, and water table regime. The PoM/Masterplan looked at strategies to improve soil conditions, to provide subsoil drainage, to upgrade irrigation systems and to investigate whether a different turf type would be most effective.

Park Furniture and Lighting - Both pedestrian and sportsfield lighting were identified as issues to be addressed in future. Better lighting at park entrances and along the path across the foreshore is needed, and, when the playing field is 'shifted' west, away from the foreshore, the sportsfield lighting may require modification.

Organised Sports - The main issue of concern is the poor condition of the sports field in winter, and proposals in the PoM/Masterplan relate to how this can be rectified by upgrading the subsoil, drainage and irrigation, by investigating more appropriate turf species and by using the field for less than the maximum 32 hours a week. The PoM/Masterplan notes that Council has introduced reduced hours per week of field use in winter in an effort to reduce sportsfield wear and tear.

A report was provided to the Sport and Recreation reference group *on the 16th of May 2022 where it was resolved*

1. THAT Anderson Park Sportsfield Reconstruction and Lighting Upgrade report be received.

CONSULTATION REQUIREMENTS

Community engagement is not required.

DETAIL

Sportsfield Reconstruction

Despite the rain, the playing field reconstruction is well underway, and we are still hopeful of having turf down prior to the Christmas break.

Demolition works have been completed which has seen the removal and disposal of the existing cricket wickets, goal posts and Irrigation infrastructure.

The Oval itself has been fenced off and was sprayed with herbicide 3 times over a 3-week period to kill the existing turf grass. The area of the sportsfield itself has been cultivated to pulverise and blend dead & decaying turf.

Levelling was carried out immediately after cultivation and done via laser guided earth moving equipment. Due to the predicted rain the area at the western end closest to Clark Road has been left to allow for ground to remain solid for truck deliveries.

The first 750 tonne of imported topsoil has begun to be delivered to site and spread. A total of 1500 tonne of sandy topsoil will be installed across the field to aid in the improved drainage capabilities as well as raising the level of growing medium.





Once the imported soil is installed and levelled the next steps will be to:

- Install drainage mainlines, piped drainage laterals, and collectors;
- Install specified irrigation system;
- Install new synthetic cricket wickets;
- Screed to ensure final surfaces levels, consolidation, and surface smoothness; and
- Supply and lay couch turf grass.

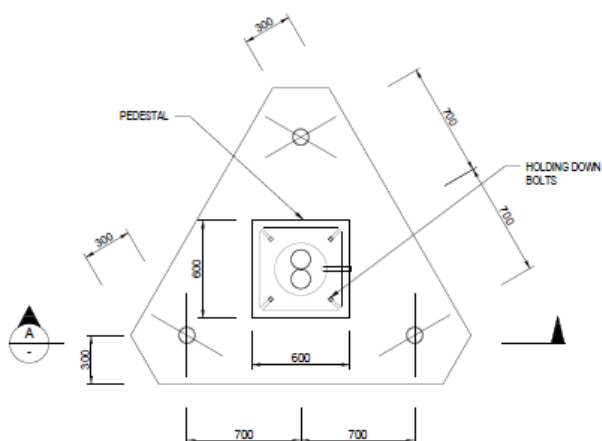
Lighting Upgrade

Demolition of the existing lighting has been undertaken with the light poles being taken down.

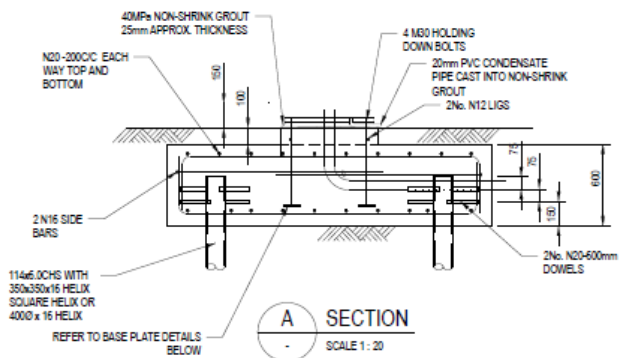
A Geotech investigation had to be undertaken to determine ground conditions and location of bed rock to finalise the footing designs for the new lights. Rock was found at random depths across the field up to 12.8 meters in one point. The diagram below shows the design of the new pole foundations and pads.

DESIGN LOADS:

M* = 67kNm
V* = 8.0kN



A25-20-100-89 - POLE PAD
SCALE 1:20



Pile Depth Requirements				
	BH01	BH02	BH03	BH04
Depth to rock from ground level	12.8	3.4	10.7	4.0
Depth of profiled excavation	0.7	0.7	0.7	0.7
Strength on first contact	Low	Medium	Medium	Medium
Required rock socket	0.3	0.6	0.3	0.6
Pile embedment depth	12.4	3.3	10.3	3.9

The next steps will be to:

- Trenching and installing conduits;
- Installation of footings;
- Installation of new switchboards;
- Mount floodlights; and
- Stand new poles.