



Planning application for the drilling of 2no. test boreholes at the Bedhampton Mariners Cricket Club, Bidbury Lane

Sports field restoration methodology following construction

Planning Application Reference:

APP/23/00004

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Issue and Revision Record

Revision	Date	Originator	Checker	Approver
1.0	02.06.2023	Lawrence Blyth	Paul Taylor (Clancy)	Platon Kostelletos

1 Application Background

Southern Water is currently developing a strategic water resource project to provide a new sustainable water supply to customers in its Hampshire supply area. As a drought resilience scheme, the project will maintain essential supplies to customers whilst reducing reliance on abstractions from Hampshire's sensitive chalk streams during a drought scenario.

The test boreholes are needed as part of our overall ground investigations to provide information critical to the development of the design and alignment of the proposed pipeline tunnels. The boreholes can therefore only be sited within a narrow corridor. The proposed locations have been reviewed to ensure environmental impacts are avoided or mitigated to minimise any potential impact during the works.

Please refer to the Planning Covering Letter which accompanies this planning application for the full background details to the test boreholes including their construction and monitoring periods.

2 Application Site

Both sites are located within the public open space associated with the Bedhampton Cricket Ground. The site is presently configured for the summer season which comprises a cricket field to the north and a football field to the south.

It will be necessary to route protective Trakmat along the west and north edge of the cricket pitch and a small section of the football pitch in the southern playing field. A short section of the Trakmat will need to be routed through the inside of the cricket field boundary to the north of the outer playing field in order to avoid a small cluster of trees, however it will be possible to remove this section of the Trakmat at weekends to enable the cricket field to remain fully open for weekend fixtures.

Following construction, the monitoring compounds would be located away from both pitches and the Trakmat would be completely removed.

This document will outline the likely restoration methodology used to restore the sports fields once the Trakmat has been removed.

3 Restoration Methodology

The preferred method of restoration is wholly dependent on weather encountered during the borehole construction works. One of three restoration options will be selected based upon the ground conditions at the time of restoration following the removal of the Trakmat.

There are three possible ground condition scenarios likely to be encountered at the time of restoration and these have been detailed below.

Scenario 1 - Minimal rain encountered during construction works – minimal damage to existing grass

Under this scenario, ground conditions would have been mostly dry throughout the construction period and no ground compaction detected.

Under these conditions, the ground will be aeriated using a spike aerator and then watered daily until the existing grass has regrown. Watering would last for approximately 2 weeks dependant on weather conditions.

Scenario 2 - Rain during works – Slight compaction of soil

This scenario assumes some rainfall during construction and the ground suffers slight compaction as a result.

The ground would be aeriated using heavy duty aeration equipment and then watered daily until the existing grass has retaken. Similarly to option 1, the watering regime would last approximately 2 weeks depending on the weather.

Scenario 3 - Heavy rain during works – Existing ground compacted in need of full repair

Under the 'worst case scenario' where the ground suffers moderate compaction following heavy rain during construction, the existing grass shall be removed using turfing equipment and the sub soil will be uncompacted using subsoiling equipment.

New turf will be laid, the exact specification will be agreed with the council. The new turf would require daily watering until it has rooted into the subsoil, a precise timeframe would vary considerably depending on seasonal weather conditions however a minimal period of 3

months would be required during which the newly turfed areas would need to remain closed to the public.

It is not anticipated that the cricket pitch or football field would need to be taken out of use under this worst case scenario, given that the areas likely to be affected would fall at the edges of the sports fields only.