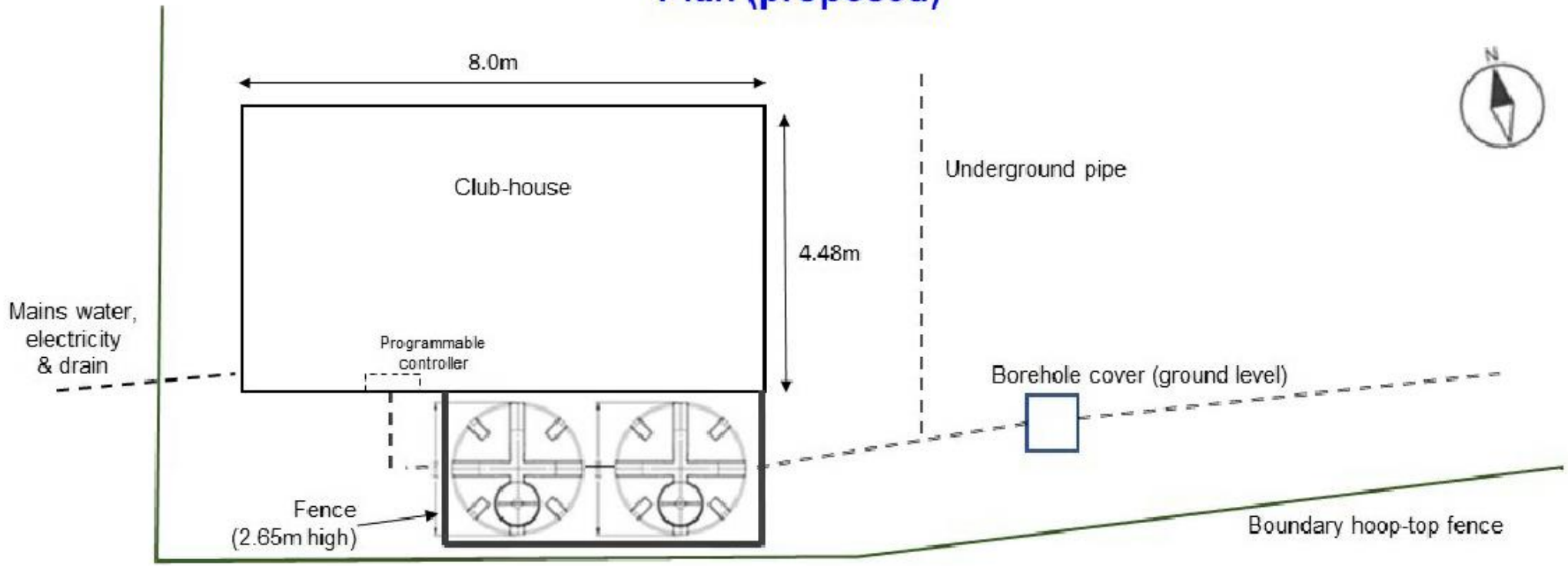
Planning Portal Reference: **PP-12677213v1**

Outline irrigation layout

Plan (proposed)



The clubhouse building will not change.

The storage tanks shown here assume a worst-case scenario in which the borehole turns out to be dry, in which case water for the irrigation system will have to be supplied from mains water instead and up to two tanks required. The hydrogeological survey of this location suggests that this is unlikely. The tanks, if required, will be surrounded by a fence. The fence material would be anthracite grey Hardieplank horizontal cladding to match the material used for cladding the existing pavilion.

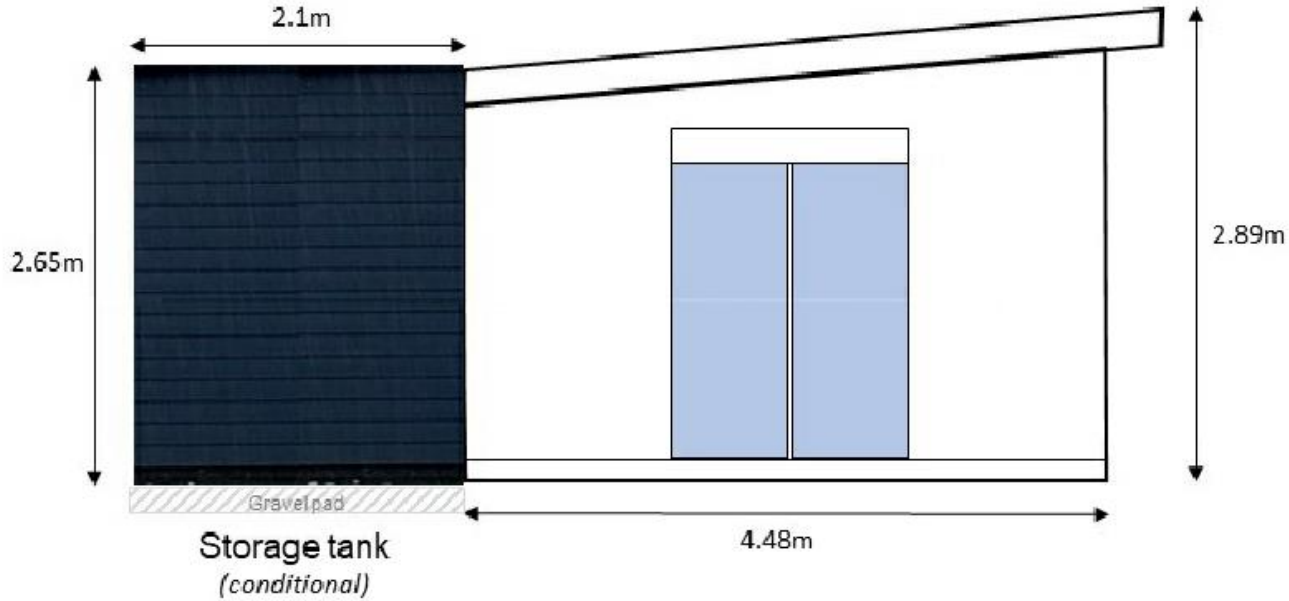
If the available flow-rate from the borehole is sufficient (e.g. at least 5m3 / hour) then the storage tanks will not be required.

If an above-ground tank is needed then a submerged pump would be located inside it (Grundfos SB range, maximum operational noise pressure 25dB(A), i.e. effectively silent).

The rest of the irrigation system around the croquet courts will be underground.

Side elevation (proposed)

Storage tank illustration



Storage tank
(conditional)

The clubhouse building will not change.

The only part of the proposed irrigation system that would be visible above ground from the side elevation would be a fence around the water storage tank(s), and then only if tanks are needed because the borehole turns out to be dry or unable to sustain a sufficient flow rate to allow pumping water directly from the borehole to the sprinklers. If fewer and/or smaller tanks are needed then the fence size and height would be adjusted accordingly.

The fence material would be anthracite grey Hardieplank horizontal cladding to match the material used for cladding the existing pavilion.

Evidence from other boreholes in the Watford area above similar geology suggests that an available, sustainable flow-rate exceeding 5m3 per hour is quite likely, but this will not be known until the borehole is drilled and tested.

The storage tank shown here assumes a worst-case scenario in which the borehole turns out to be dry, in which case water for the irrigation system will have to be supplied from mains water instead and above-ground tankage required. The hydrogeological survey of this location suggests that this is unlikely.

If an above-ground tank is needed then a submerged pump would be located inside it (Grundfos SB range, maximum operational noise pressure 25dB(A), i.e. effectively silent).