

IRRIGATION AUDIT 2016

POS. DESCRIPTION

1 x FOOTBAL PITCH IRRIGATION SPRINKLER SYSTEM AUDIT

Pre-audit requirements:

Please note that in order to undertake the irrigation audit the following aspects must be organised by the client beforehand:

- ✓ The irrigation system should be fully operational and running correctly without faults at the beginning of this test and throughout the analysis
- ✓ Access to the pitch without disturbance should be provided to the Auditor when this audit is being carried out (each pitch analysis takes approximately 4 hours)
- ✓ It is strongly recommended that the Head Groundsman ensures that all sprinklers nozzles are spraying water on the pitch accurately prior to this analysis being carried out
- ✓ Full details of the current program operation and run times for a basic pitches sprinkler program should be provided to the Auditor pre-analysis

Service includes:

- ✓ This audit will measure the amount of water applied to the pitch through the sprinklers and it will appraise the actual performance of each sprinkler operating around the pitch
- ✓ A pressure check of a selection of sprinklers in operation around the pitch (under program operation) will be carried out
- ✓ Wind measurements will be collected during this test
- ✓ Chemical analysis of water sample

Benefits include:

By benchmarking the sprinklers existing performance in accurate detail and relating this information back to the turfgrasses requirements, this exercise will certainly help the Club to see if water is being applied to the pitch uniformly and correctly or not. This type of review is much more useful to the Football Club and Head Groundsman than a mechanical review of the sprinkler system because many of the recommendations made in this type of review can then be put into action immediately by the Head Groundsman (in house) at no additional cost.

The recommendations provided to the Football Club following an irrigation audit such as this will be presented in a confirmatory report. This report will be split into two sections.

Section 1 of the report will provide recommendations based on keeping the sprinklers in the same position as they are:

- ✓ New accurate run times will be created based on the actual results of this test
- ✓ This will help you to become more accurate and more efficient with your water applications
- ✓ This could also lead to potential savings in electric, water, pump, nutrient and pesticide costs

Section 2 of the report will provide design based advice which can then be discussed together with the Management of the Football Club and then any agreed changes can then be put into action during the out of season period (in house) or using specialist contractors (if preferred).

- ✓ New long term design recommendations for the future development of the existing pitches irrigation coverage will be provided (based on the test results)

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- ✓ Better efficiency of future watering and planning to the football pitch
- ✓ Improvement in standards to the football pitch

Additional notes:

Please note that this type of irrigation audit should normally be carried out once a year during the out of season period to ensure that the irrigation system provides enough water to the pitch in a uniform and consistent manner.

The description on the previous page describes the potential benefits of the irrigation audit that we will undertake on your behalf. This audit will be undertaken by an independent agronomist, who is certified to RIPTA and BASIS standards. The analysis and report will therefore be completely independent and free of bias.

If you require additional support in areas itemised in the following list then please contact me for further information on the different services that I can provide you with.:

- ✓ Design
- ✓ Preparation of irrigation specifications
- ✓ Assessment of tenders
- ✓ Quality control checking of a new irrigation system