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# **Green Section Record**

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#### **Drainage: Through the** Green

By Jim Skorulski and Patrick O'Brien

"The best greenkeeper in the world cannot maintain perfect turf unless their course is welldrained," declared Wendell Miller, a drainage engineer, in his advertisement in the National Greenkeeper in 1924.



Poor drainage directly impacts golf courses in many ways. Excessively wet areas usually require additional maintenance inputs and can further reduce revenue due to course closures, cart restrictions and poor playing conditions. In short, poorly drained golf courses struggle to provide good conditions on a consistent basis and are more reliant on favorable weather conditions to remain successful. Providing firm, consistent playing surfaces requires good drainage. This article details how golf courses can address drainage problems in areas through the green.

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### **Multimedia Content**



#### Video: The Benefits of Sand **Topdressing**

Want to make more putts and get more distance off the tee? Sand topdressing is your answer. Learn what superintendents already know - sand topdressing improves playing conditions and turf health.

Watch Now



## Soil Samples

perform to today's standards, but diagnosing internal drainage issues can be challenging. Collecting undisturbed samples of a putting green profile can identify if and where internal drainage issues are affecting putting green performance here's how. **Watch Now** 

Good drainage is essential for putting greens to

## **Green Section Collection: Drainage on Golf Courses**

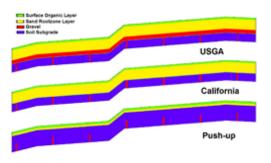


additional supporting articles, a photo gallery and videos that provide relevant information on the primary subject. The collections can be viewed online in a user-friendly digital magazine format, saved as a PDF or printed.

These interactive digital collections include

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## Research You Should Know



#### **Greens** Drainage is a vital component of high-quality

playing conditions, but visualizing how water

Simulating Water Flow in Putting

drains through complex root zones is nearly impossible. These computer simulations provide a below-ground look at water moving through putting greens. **Read More** 

# Fore The Golfer



#### **Problems Starts With A Plan** Frustrated because soggy playing conditions are

causing cart restrictions and leaving your ball

**Solving Golf Course Drainage** 

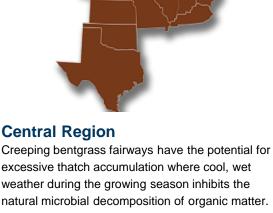
covered in mud? Tolerating temporary disruptions so drainage can be installed may ease your woes, provided you consider these three things. **Read More** 

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