

The Minikahda Club's squad watches a putt by General Manager Jim Jennings on the 11th green at StoneRidge Golf Club during the Harold Stodola Research Scramble. Pictured from the left, are Nick Folk, Doug Nelson and Jennings. The foursome's first two putts rolled off the fast green and down the hill but Nick and Doug then lagged them within 2-putt range. Playing but not in the photo was Superintendent Jeff Johnson.



ERIC RITTER

Spoooner Golf Club Superintendent tees off during the Harold Stodola Research Scramble at StoneRidge Golf Club.



BEN JUST

Midland Hills Country Club Superintendent keeps his head down nicely, but may need to work on his weight transfer.

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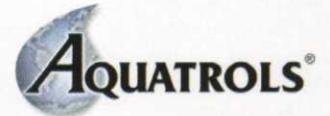
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Superintendent Marlow Hansen Rescues Man from Lake

By Clint Riese
Forest Lake Times Staff Writer

David Lawrence experienced his share of very bad luck and very good luck while fishing in Forest Lake on a weekday in early June.

The bad luck struck first. While lunging at an escaping crappie, the St. Paul man tumbled out of his canoe and into Shields Lake. Unable to pull himself back aboard, and floating in his life jacket near the middle of the lake, he could only hang on to the side of his canoe and try to doggie-paddle to the closest shore.

Though Lawrence was in a perilous situation, it could have been a lot worse, for he was spotted by a man who knows the lake as well as anyone. Marlow Hansen is a frequent fisher of Shields Lake, whose childhood home was on the back side of it.

Going about his usual duties that day as the green superintendent at Forest Hills Golf Club, Hansen happened to be on the 15th hole - which is adjacent to the small lake - and spotted the man overboard.

"I looked out on the lake because I've fished it before, so I look out there to see who's fishing and what's going on," he says. "I just noticed a canoe floating with nobody in it, and when I looked closer I could see somebody hanging on to the canoe and making their way toward shore."

Hansen yelled to offer help, but the distressed swimmer seemed confident he could make it to shore. Hansen was not so sure.

"I know there's no bottom to the lake, just muck," he says. "So I know that you can't



MARLOW HANSEN

Superintendent at Forest Hills Golf Club

stand up, so I'm thinking, 'Well, even if you get to shore, you're not out of the woods yet.'"

Again, Hansen offered help and was refused. But after watching Lawrence struggle for a few more seconds, he knew there

was no time to waste.

The 20-plus-year veteran of Forest Hills ran to the club's equipment shed, yelled for grounds keeper Trent Linden and they loaded a small duck boat used for pond maintenance onto a four-wheeler.

When they made it to the lake, Lawrence was fatigued, but still hanging onto his canoe. Armed with shovels for oars, Hansen and Linden paddled out to the scene. Lawrence was too exhausted to get in either boat, even with help.

So the Forest Hills duo used the only measure they could think of - they tied a rope around him and Linden got in the canoe and towed him toward the lake's dock, where the bottom is slightly firmer.

Upon being pulled onto the dock, Lawrence was at first too tired to stand up.

"He was done," Linden simply says.

Hansen and Linden both are certain he would have drowned if not for his life jacket. Even with it, had Lawrence gone unspotted, he very well may not have made it through the deceiving weeds and mud. Even the professional diver who retrieves golf balls from water hazards throughout the course dreads going into Shields Lake, according to Hansen.

"There used to be a dock over [where Lawrence was trying to paddle to] and literally, you'd just step off the dock and you'd come out without your shoes on," Hansen says. "Just mucky, nasty, plus snapping turtles - there are big snappers in there."

For Linden, it was not his first water rescue. The Forest Hills employee of 11 years helped save a man on the St. Croix River when in high school. Ironically, Linden had noticed Lawrence fishing earlier in the day.

"That morning, I saw him fishing and thought 'I wish I could switch places with that guy,'" he says. "Then an hour later I was pulling him out of the lake."

Not ones to seek the spotlight, Hansen and Linden were back at work within minutes of their heroics, after Lawrence assured them he was okay. The incident was witnessed, though, by a group of lady golfers, and any remaining anonymity was blown when Lawrence wrote of the incident in a letter to a St. Paul newspaper.

Lawrence "sainted" Hansen and Linden for towing him in "like a 230-pound sturgeon."

"If they hadn't been there," Lawrence wrote, "I might not be alive to feel the embarrassment...Thanks, fellas. I didn't even get your names; you left too fast."

(Editor's Note: This article was re-printed with permission from the Forest Lake Times.)

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Analyzing Drainage Problems and Applying Proper Drainage Techniques

By Dennis Hurley

President of Turf Drainage Co. of America.

(Editor's Note: This article was originally published on January 6, 2004. This is the second of two parts of the article. Part I was published in the July 2009 issue of Hole Notes. Related photos can be found at www.mgcsa.org. Dennis Hurley is president of Turf Drainage Co. of America. Dennis was the first person to introduce what is now generically called "waffle drainage" to the golf course industry at the GCSAA show in San Francisco in 1985. Since that time he has received four patents in the field of seepage drainage, and is the inventor of the Turf Drain Siphon System. In 2001 alone, his company was involved in drainage projects at four of the top 12 ranked golf courses in the country.)

III: Designing the System

Lastly, the drainage system must be designed prior to the initiation of any work. The motto is, "plan when it is wet, and install when it is dry." Typically, it is best to plan all potential work before beginning installation phases. The alternative of planning a hole, installing that plan, then coming back and planning the next area, can produce a final product that has more overall transportation footage, and therefore higher overall costs. The reason for this is that a relief choice may be chosen to serve both areas, if all areas are planned from the beginning.

The planning process begins with the identification of each area to be drained, and recording its location. Next is the location of the optimal areas to collect surface water, as well as the tools to be used. No plan is complete at this point; any surface system will have areas that have missed water that now must be

collected as seepage water, either from lack of velocity, or another type of seepage water as described above.

The seepage drainage design will be driven by the club's objectives. Objectives may vary in each area from removing unsightly puddles in an out of play area, to the desire to have the area in "tournament condition" as soon as possible once the rain has ceased. In light of these objectives, the design will have to answer the following questions:

How much? is another way to ask, "What spacing should the lines be on?" There are no absolutes. Unfortunately, no magical spacing exists that can apply to variations of objectives, soil types, shade and budgets. However, suffice it to say that most installation occurs between 10- and 25-foot spacings.

How deep? Depth will be determined by soil type, water type and the relief that is chosen. However, minimum standards would use 24" deep reliefs, and no part of any line will ever be less than 18." The most effective systems are typically between 22," with reliefs up to six feet deep. The most common question from the average green committee member is, "If our soil is only wet at the top, why do I need to go deep?" The lower the permeability of the soil, the deeper the column must be to create the hydraulic head to release water.

What direction? The lines should always be as perpendicular as possible to the flow of water. After that, the exact patterns will be dictated by the irrigation system, and the direction spoils will be moved. Typically, patterns that work perpendicular and parallel to irrigation systems will facilitate the least man hours to hand dig across irrigation lines.

What does it consist of? The best way to build technically correct seepage lines in native soils will almost always require the use of sands and geotextiles. Waffle type systems lend themselves to these construction methods and have a solid 20-year history in the golf course industry, not to mention other construction fields, such as highways. Trenches are typically five to seven inches wide with the spoils cleaned and hauled away. Finally, backfills will normally utilize sands with infiltration rates of 30 to 80 inches per hour. These lines often are topped off with a mix that would have a higher percentage of moisture retention. Sodding of the trench line is recommended in most, but not all, cases.

The next step in the planning process is choosing the transportation system or combination of systems to be used. Once this is determined, along with the relief points, the length and size of the transportation line that will be required can be determined. At this time, the points the piping will intersect and the fittings needed can be determined.

Lastly, all of these figures will be used to estimate the cubic yards of material that will need to be moved. This figure will be the basis for estimating total labor hours, the number of workers that will be needed, length of rental equipment and the days the area will be out of play. Normally, in-house projects using plywood and shovels to move spoils will be between 1/10th and 3/10ths of a ton per man hour. Methods using overpacked trenches to facilitate spoils removal with loaders or skid steer equipment can move 8/10 to 1 ton per man hour. Experienced crews using tarp systems or conveyor trenches will typically move between 1 to 1.5 tons per man hour.

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Joseph S. Garske Legacy Scholarships Awarded for 14th Consecutive Year; MGCSA Legacy Scholarships for 12th

The Legacy Award named after the founder of Par Aide Products Company, Joseph S. Garske, located in Lino Lakes, Minnesota is committed to further the education of children and grandchildren of MGCSA members through financial contributions. This is the 14th consecutive year for these awards.

This year \$1,000 MGCSA Legacy Scholarships have been awarded to Ian Almquist and Christine Diegnau, a \$1,500 Joseph S. Garske scholarship to Kelsey Krause and a \$1,500 Garske scholarship renewal to Elle Clunis.

The late Mr. Garske, who died at the age of 76 in 1982, started Par Aide in 1954 with plans to make a "good" ball washer. A foundry man and avid golfer, he knew little about the golf business, tried to sell his ideas for design and tooling to two accessory companies, was turned down by both and so began Par Aide Products Company.

The Legacy Scholarship was started by Steve Garske, son of the late Joseph S. Garske, in 1996.

"I am pleased to have our company provide these scholarships since for many superintendents, providing a college education for their children requires true sacrifice. I am fortunate to have the opportunity and ability to help," Garske said.

"As a long-time member of the Scholarship Committee some years ago, it always bothered me that we had lots of scholarships available for turf students but nothing for the legacy of current members," Garske said. (Heeding the comments of a long-time Minnesota Superintendent that our committee was working to put him out of a job.) While Steve thought this was a bit of paranoid thinking, it did make him realize that supply and demand works in this industry as well, and if nothing else, an oversupply of eager new superintendents could definitely undermine salaries. However, it was the following that motivated Par Aide to initiate a legacy scholarship program:

"1) Many Superintendents are underpaid, in my opinion, and they truly work a labor of love. Sending a child to college is likely a real hardship. These same Superintendents who now have college age children were the very ones who had been so responsible for supporting our company through all the years and had helped us attain our success. We wanted to thank them.

"2) Our founder, Joe Garske, did not have any formal education and was always conscious of that fact. He had quietly supported at least one young man in gaining a degree. 3) There were lots of turf student scholarships but few if any Legacy awards."

So it seemed obvious to Steve to initiate a legacy program and it was discussed at numerous scholarship meetings. The problem was how to administer such a program. Suppliers to our industry did not want to be in a position of judging one potential recipient/customer against another, and Superintendent members were not comfortable with reviewing personal information and making judgments on each other either.

The idea lay dormant until the discovery of the Citizens' Scholarship Foundation of America, now called Scholarship America, an organization that does nothing but review and award scholarships. It's completely impartial and considers all information confidential. The MGCSA quickly agreed to accept the cost of administration and the Joseph S. Garske Legacy was born. The idea was to provide two two-year scholarships to deserving legacy of current MGCSA Members. This program is

thought to have been successful by all and has been in existence since 1996, helping numerous sons and daughters of Superintendents pursue their college educations.

Par Aide Products Co. has continued to prosper and as an expansion of its Minnesota program it now also offers a similar program nationwide through the GCSAA.

Winners of this year's Garske Legacy Scholarships are:

Kelsey Krause, daughter of Rick and Katie Krause. Rick is the Assistant Superintendent of The Minikahda Club in Minneapolis. Kelsey attends the College of St. Benedict.

Elle Clunis, daughter of Kevin and Nancy Clunis. Kevin is the Superintendent at Tanners Brook Golf Course in Forest Lake. Elle is a graduate of Mahtomedi High School and is now enrolled at the University of Minnesota.

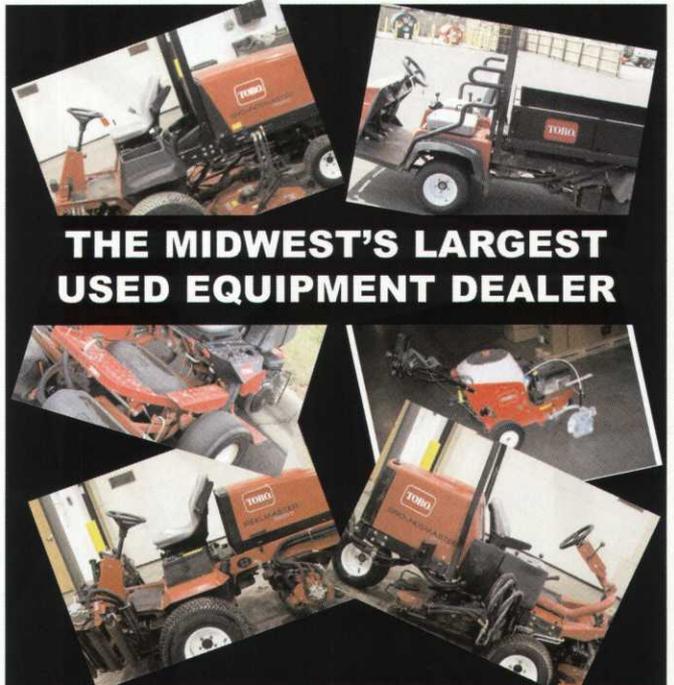
Winners of this year's MGCSA Legacy Scholarships are:

Ian Almquist, son of Jon and Beth Almquist. Jon is employed by MTI Distributing, Inc. Ian is a graduate of Wayzata High School. Ian attends the University of Minnesota.

Christine Diegnau, daughter of Paul and Cindy Diegnau. Paul is employed by The Keller Golf Course in St Paul, Minnesota. Christine will attend the University of Minnesota.



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