



IRRIGATION SETUP

Bill Krafft, Pro-Supt. at Valparaiso Golf Club, is shown at control board of new automatic irrigation setup which was recently installed at golf course. The \$160,000 unit automatically irrigates greens, tees, and fairways. It is operated by two 50-horsepower pumps using water from small lake located near 13th hole.

VALPARAISO GOLF CLUB, INC.

Bill Krafft, Professional and Superintendent

Ray Gerber, Editor

Dear Ray:

I would like to inform you of new, exciting happenings at Valparaiso Golf Club, Valparaiso, Indiana.

First, a completely automatic irrigation system has been installed on all greens, tees, and fairways. Miller Sprinkling Systems, of Royal Oak, Michigan, started installation on June 1, 1973 and completed work on September 21, 1973.

The \$160,000 irrigation system is composed of 6 miles PVC rigid pipe (8 inch main down to 1½ inch pipe) 275 miles of wire, 300 Moody valves, Moody-Miller Central Programmer (with automatic rain shut-off), and 550 Buckner heads. Gear driven rotary pop ups are used for greens, tees, and approaches. Rotary impact pop ups are used in the fairways. All sprinkler heads on the greens, tees, and fairways are operated by 24 volt Moody valves. Bell and ring type connections were used for the PVC pipe and transite couplings used for pipes 3 inches and larger. The system requires four controller locations installed at points of visibility on the golf course. These stations are equipped with controllers operated from a Moody Central Programmer, located in my office. The programmer is set up for a syringe (1.5 min. to 5.5 min.) and normal (10 min.) cycle. The entire irrigation system is fed by a small lake near #13 green. The lake, in turn, is supplied by a 150 ft. deep, 12 in. gravel packed well which was dug by Perless Midwest Well. The well supplies the lake with 600 GPM and the system uses water at a rate of 1000 GPM. The well automatically fills the lake when water is drawn. The well pump is powered by a 20 H.P. General Electric motor. Water is pumped from the lake by two 50 H.P. centrifugal pumps.

The irrigation system was fully tested by October 1, and turned on in perfect working order.

The second project at the Golf Club was constructing 40 green area sand traps and 4 bunkers located in the roughs. Areas around greens and on fairways were first stripped to shape and then bulldozed. The ground-crew cleared and shaped the edges of the sand traps. The traps were then filled and leveled with sand from Lake Michigan. This now brings the total number of traps on the course to 65.

Renovation of old tees and addition of new tees has been our third major project. In the late summer and fall of 1972, 7 tees were enlarged. After completion, the tees were rectangular in shape and 4000-6000 sq. ft. in size. A-20 Bluegrass sod was used for the teeing area and 721 Bluegrass sod for the sides. These tees have withstood golfer traffic well, and we are very proud of them. Currently a ladies tees are under construction. These are being built in front of old tees and raised slightly. 721 Bluegrass sod is being used to top them.

I might also bring to your attention that two new equipment sheds have been built and 60 trees added to the course. One shed is used to house the irrigation pumps plus has additional room for miscellaneous equipment. It is 20 x 32 in size. The second shed is used for heavy equipment and is 30 x 64 in size.

Valparaiso Golf Club has progressed a long way in the past few years. All new additions have been highly successful and I am looking forward to the future of our course with much enthusiasm.

Yours Sincerely,
Bill Krafft, Pro - Supt.

Dear Ray:

I enjoyed the chat that I had with you while having lunch at the Turf Show. Your talk and slides that you presented was one of the highlights of the conference for me.

I do know for sure that I worked very hard for Mike Bavier, I really wanted him on the National Board to help guide our association into the future. That's the faith and trust that I have for Mike. Mike is a dedicated man for Turf, Golf, our Association and our Image.

I will begin to work in Mike's behalf now and be ready for 1975.

Your friend,
Bill Krafft

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