

Outline MGC Member Update on Irrigation Project



Aerial View of Course Showing Damaged Areas
August, 2017

1. Overall Schedule

a. Fall, 2017

- i. Create retention pond in front of #1 Tee – Underway. Projected completion: Sept. 6
- ii. Inspect course with Tripp Davis reviewing final design details for #4 green, determining grass type and preparation materials for repairing grassless sections of all fairways and other design issues for future consideration. (Tentative for [September 5-6](#))
- iii. Rebuild # 4 Green, reroute cart path, install improved drainage – [Sept. 6 -20](#)
- iv. Seed / water bent grass surface on #4 Green – [Start Sept. 20.](#)

b. March, 2018

- i. Install irrigation system supply pumps, power, controls, supply pipes and shed in woods between pond and #3 Green
- ii. Install provisional hook-up to Rockport water system across road from # 3 Green. (this may not be needed if adequate ground water supply is found under pond; this appears likely.)

c. April, 2018

- i. Install main fairway lines on #3 and #7 Fairways for both the irrigation lines and the water supply lines to feed the pond.
- ii. Hook up supply lines from existing wells to pond; install large capacity pumps in existing wells; fill pond
- iii. Install sprinkler heads for tees, fairways and greens on #3 and #7 holes
- iv. Install control system for irrigation system, pressurize system for #3 & #7 holes.
- v. Scarify, level, apply loam and seed to identified bare areas on #3 and #7 fairways; Begin watering them

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d. May, 2018

- i. Starting with #1 Fairway, install main fairway supply lines, sprinkler heads and feeder lines and all heads on tees, fairways, approaches and greens. As each hole is completed, pressurize it with water, test controls and begin watering program.
- ii. Each hole will be taken down one at a time and will be unplayable for 2-3 days.

e. Mid-late June, 2017

- i. All holes should be playable with some areas marked as “ground under repair”

2. Progress to date:



View from First Tee, August 27, 2017



Proposed Edge Treatment for Irrigation Pond

a. Findings

- i. No ledge of any consequence
- ii. Significant clay available for use in sealing the bottom of the pond

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- iii. Ground water appears 2-3 feet below surface. Extent of its usefulness not yet known
- iv. Some confidence that we can reduce the maximum planned surface water while obtaining the necessary capacity.
- b. **Conclusion of the Pond Work so far:** projected design and costs per plan. There have been some mechanical problems with the rented equipment that should not result in a significant delay. Some potential for cost savings appear possible.

3. Next steps



Evidence of Shallow Grass Roots and Poor Drainage on Green #4

- a. **#4 Green Rebuild.** See photo above for evidence of poor design that will not sustain long term healthy grass. See also reference You Tube video of a green reconstruction project in Illinois ([You Tube Green Rebuild](#)). The issues on the MGC #4 green are similar: very limited root system on green grass; poor drainage control; limited pin placement creates high traffic wear that reduces playability with time
- b. **Cart Path Rerouting.** The improved design of #4 Green and pond installation will require rerouting the elevations and route of the cart path.
- c. **Supply Pump Installation.** The irrigation supply pumps, control system, piping from the pond and shed will be installed in March/April 2018. The approximate location is shown below and will be essentially concealed in the trees.



Approximate Location of Irrigation Supply Pumps

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4. Restrictions on Play

- a. **Through September 6** – no restrictions other than visual off #1 Tee. Use the marked free drop zone on the right and left of the green adjacent the area which has been damaged by the equipment.



Free Drop Zones for #4 Green

- b. **Cart Access to #4 Green.** When playing the #4 Hole, do not use the cart path – it is not passable due to damage caused by the heavy equipment. Drive the carts on the road and leave them in the parking lot beside the #4 green. Then, drive around the Clubhouse by the clay tennis courts to the #5 Tee.
- c. **September 6** – Season End: #4 Hole is not in service. Cart path will be rerouted from #3 green to the Clubhouse around the pond.
- d. **2018 Season open:** Tentative May 15. Some restrictions will apply to accommodate the installation of irrigation lines with at most one hole at a time out of service and some “ground under repair” zones where new grass has been planted.

The next update will be in approximately 2-3 weeks. In the meantime, address any questions to:

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Schaumburg Green Rebuild Video Hyperlink to YouTube
<https://www.youtube.com/watch?v=EdL2JnI0I6o&sns=em>