

To: Nate Celauro

From: John Mickelson

Date: October 23, 2019

Subj: Lakes Committee meeting of October 17, 2019.

Nate, as the chair of the Infrastructure committee, please accept the following minutes of the Lakes Committee meeting held October 17, 2019. All members present at the meeting have reviewed and approved these minutes as submitted.

Minutes

Present: Chair Gale Schwartz, Chair John Mickelson, IGE Superintendent Mark Thieme, Zach's Lake representative Jerry Lowe, Empress Lake representative Caitlin Fortier.

Absent: Bismark Lake representative Ryan Wiehrdt.

- The committee went to Zach's Lake and reviewed the progress of the Zoysia grass that planted around the lake for erosion control. It was too early to tell if the planting was working as hoped, but the strip of grass was still visible and appeared to be taking root. As you know, the purpose of the planting was to assist with a decrease in shoreline erosion. We are unable to report if the endeavor has succeeded at this time. We will continue to monitor the situation.
- The committee reviewed and discussed our prior recommendation for an aeration system to be purchased and installed in Zach's Lake. There were concerns raised by residents that an aeration system may impose a loud noise burden on some residents. As such, committee members Mickelson and Lowe did visit Mediterra and observed their working aeration systems. The system observed registered about 85 decibels standing next to the compressors and less than 60 decibels when 10 feet from the compressor. Please note that standard air conditioning units and normal human conversation fall within this decibel range. This is provided as a reference point to the noise observed from the compressor.
- The committee has done research on aeration systems, multiple brochures were provided, and this committee reaffirms our proposal for the Board to fund an aeration system in Zach's Lake. It is the opinion of this committee that aeration is not just a recommendation, but most likely a requirement for all our lakes. We unanimously endorse an aeration system in every lake within Imperial Golf Estates starting with Zach's Lake, and with the other lakes funded in future budgets. It was also agreed that no aeration system should be installed in such a fashion as to impose any undue noise on any lake resident. Superintendent Thieme has described a possible baffling effort that could additionally reduce any noise from a compressor unit. He also stated we could

have an aeration compressor unit installed by our back gate with a hose line running to Zach's Lake. This would eliminate any noise issues associated with an aeration system.

- The committee does not have a recommendation at this time as to the type or style of any aeration system. The committee does not have a recommendation at this time regarding any preferred manufacturer of aeration systems. It was agreed that bids will be solicited from several vendors and the committee will review the bids when submitted. Committee chair Gale Schwartz has agreed to work with Superintendent Thieme and Sandcastle to obtain bids on aeration systems for our lakes. The committee will meet again when bids are received.

Respectfully submitted on behalf of the Lakes Committee.

John Mickelson, Chair.