



## HOMEOWNERS ASSOCIATION

12 Winnebago Drive  
Lake Winnebago, MO 64034

April 11, 2024

Mr. Michael Parks  
Director of Public Works  
City of Lee's Summit  
220 SE Green Street  
Lee's Summit, MO 64063

Re: Proposed South LS Residential Development Impacts on Lake Winnebago

Mr. Michael Parks,

We have become aware of the proposed 80 acre "South LS Residential Development" north of Belmont Farms, and we have reviewed the "Macro Storm Water Drainage Study" PL2024025 dated January 26, 2024. It is noted in several places in the Study that the Development storm water will drain to Lake Winnebago. This drainage will eventually flow into Lake Winnebago at what we call J Cove. The Study notes "No additional negative impacts are anticipated downstream due to the proposed development." We question this statement since the volume of runoff and quality of the runoff from such a development will very likely have impacts on our lake.

We perform bathymetric surveys (by a 3<sup>rd</sup> party contractor) of our J Cove, along with other coves and lake areas, on an annual or biannual basis. Attached is a table that illustrates the sediment gained in J Cove since 2016, which was when we completed a dredging of J Cove and other areas of the lake, at a great expense. We will be doing another bathymetric survey of J Cove this summer. We use this data for planning and budgeting for future dredging operations. We also take water quality samples in J cove, and other parts of the lake, during the warmer months when the lake is more frequently used. These samples are analyzed for E. Coli, alkalinity, hardness, pH, and total suspended solids (TSS). We will continue these monitoring practices throughout the construction and occupation of this Development, in order to identify and quantify any impacts from the Development on our lake.

To reduce the impacts on our lake, we request that the City of Lee's Summit require that not only the currently required government code regulations and design standards for storm water control and storm water treatment be applied to this Development, but that the use of additional, or Best Practices, be required. This could include consideration that several 100-year storms can occur in the same week, that FEMA is considering increased rainfall standards for this area, increased detention basin hold time, and/or skimmers be used to reduce the discharge of sediment and trash.

Please advise us if you have any questions and confirm to us of any actions that will be taken.

Sincerely,



Greg Wozniak

Chair of Silt and Lakes & Dams Committees

Lake Winnebago Homeowner's Association

Lake Winnebago Bathymetric Data

Bathymetrics

Area	Acres	Dredging Project CY Removed By May 2016	July 2017	August 2018	August 2020	August 2022	Total	Average	Worst Yearly
			Measurement CY of Silt Gained Since May 2016 1 Yr	Measurement CY of Silt Gained Since July 2017 1 Yr	Measurement CY of Silt Gained Since August 2018 2 Yrs	Measurement CY of Silt Gained Since August 2020 2 Yrs	Silt Gained CY in	Silt Gained CY per Yr Over 6 Yrs	CY Per Yr Rate
J Cove	4	15,000	1,594	509	1,082	2,806	5,991	999	1,594