



SOIL and WATER CONSULTING

Corey M. Angelo

Consultant

October 17, 2022

Re: Fall Sample Collection

Summary of lab data:

- *Apply Lime to the rough on the entire course*
- *The greens need continued Manganese applications, and this is good weather conditions to do so.*

Dear Tom,

We continued sampling the rough on this visit and I did #12, the new sod between 7&8 (called "**Rough 7**") and between 8&9 (called "**Rough 9**") You did make some progress with the other Lime applications but as we have discussed, it is a long-term process. I think the fairways may need lime in the Spring as well but would recommend that you wait until I collect samples then. At that point, you may be able to more simply apply Lime to both rough and fairway in 2023.

When you look at the report, I have this round of data up against the same holes done in 2019. For the most part, you held a status quo and reduced organic material levels in all the areas that I sampled. The one very noticeable nutrient that is increasing is Phosphorus. We are having a product tested that will also have phosphorus in it, but we are trying to use it for the composted material mixed with Lime in the roughs only. All your Phosphorus levels are very high and no more is required. Most of where you are getting the increase from is the use of the Composted Poultry Manure (Earthworks 5-4-5 or 3-3-3)

The core samples that I collected on Green #7 and #15 along with the green's topdressing sand, show how much you have accomplished over your time there. The topdressing sand is consistent with the one we collected in 2018 and Green #7 and Green #8 (from 2019) in the top 5" are similar. I believe that your next area of focus on the greens is deeper aerification and sand channels as well as more routine verti-cutting and topdressing to work on the top layer of turf that can get "puffy" in Summertime.

Let's catch up when you have time to go over this report and the core samples from early September.

Sincerely,
Corey Angelo
Soil and Water Consulting

