

**MEMORANDUM**  
**Comfort Lake-Forest Lake Watershed District**

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**To:** Board of Managers

**Date:** June 11, 2019

**From:** Mike Kinney

**Subject:** Shields Lake Stormwater Harvest Project Update

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**Background/Discussion**

Emmons & Olivier Resources (EOR) staff and I met onsite with Forest Hills Golf Club (FHGC) representatives on June 6<sup>th</sup> to discuss the current status and next steps for the Shields Lake Stormwater Harvest & Irrigation Reuse Project. This was a follow up to a meeting that I had on June 5<sup>th</sup> with the FHGC Superintendent, Marlow Hanson.

Below are notes from the June 6<sup>th</sup> meeting:

- FHGC expressed concerns regarding finishing of tee box subgrade and has solicited quotes to raise and finish tee boxes. EOR confirmed the lower tee box elevation was not adjusted from the architect's concept, but the upper tee box was lowered to create balanced earthwork onsite.
- FHGC also expressed concern regarding drainage and erosion of the area immediately in front of the tee boxes (south). The District had previously agreed to help cover the cost of additional drain tile installed by the FHGC when finishing the tee boxes. I agreed to raise the earlier agreed-upon amount from \$1000 to \$1500 to provide cost sharing for an additional 50 feet of drain tile to drain the swale immediately to the west of the lower tee box. This is in addition to the previously discussed 100 ft of tile.
- The District's contractor will also grade the swale on the west side of the center knoll to allow more stormwater runoff from the hillside to drain south rather than diverting it around to the east and south as some currently drains.
- In addition, the District's contractor has the following tasks remaining for completion of the project:
  - o Stabilization of the connection to the existing pond on the south end of the driving range (currently awaiting cost estimate from Contractor; implementation likely late July – August [weather dependent]).
  - o Tree and plantings installation (anticipated in the next one to two weeks)
  - o Re-grading and stabilization of driving range at base of southwest hillside; contractor will likely utilize as access route for plantings and grade after installations are completed (same as plantings schedule)
  - o Minor re-grading of swales and other touch-up areas to allow positive drainage (south end of pine trees, west-central side of the driving range, southwest corner of site)
  - o Pond float installation and testing of system (anticipated by end of June)

Overall, the project is on track for proceeding toward final completion on schedule and within budget.