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MEMORANDUM

WATER & RESOURCE RECOVERY FACILITY

To: Gregg Mandsager, City Administrator

CC: Nancy Lueck, Finance Director
 Cinda Hilger, Secretary

From: Jon Koch, WRRF Director

Date: August 8, 2019

Re: Nutrient Reduction Study Addendum #1

INTRODUCTION: Bolton and Menk have recommended additional work to the Nutrient Reduction Alternative Study being performed for the WRRF. A soil investigation and wetland delineation has been proposed for \$7,552.00 from the subcontractor Impact7G who is already doing work for this study. This will be paid for from the plant operating funds.

BACKGROUND: To fully utilize the site for stormwater nutrient removal it is necessary to know with more certainty the soil composition of the entire area intended for use in the Nutrient Reduction Alternatives Study. While the lead firm Bolton and Menk bid the job using assumed soil compositions from State files, the subcontractor Impact7G recommended a more complete assessment of the area for percolation/infiltration rates due to the potentially sandy composition of the area brought up at the kickoff meeting. Because water levels vary from season to season and from year to year, evaluating the soil characteristics is key to determining the seasonal high and normal water levels.

It was brought up at the kickoff meeting that the entire Pollinator Park site was not in the original delineation area. Wetland delineation of the area outside the original scope of the project is recommended for utilizing the entire site including the abandoned swan pond. A wetland delineation would be required for any permitted work in the area outside the original study area. Doing that work now will speed up work to be performed in the future and will cost less since they are already doing delineation work to the original study area.

RECOMMENDATION/RATIONALE: Staff recommends approval of Contract Addendum #1 with Bolton Menk for the soil investigation and wetland delineation for \$7,752.00.