Exhibit A: Planned Capital Improvements

WW002 - Ultraviolet Disinfection and Non-Potable Water System Improvements	
	This project involves the engineering design, IEPA permitting and construction of an ultraviolet light disinfection system for wastewater effluent from Springbrook Water Reclamation Center. Springbrook is required by IEPA to disinfect wastewater effluent prior to releasing it to the DuPage River. The existing disinfection system is currently a chlorination/de-chlorination system that is nearing the end of its useful life. UV disinfection was chosen as the preferred disinfection method. It has the lowest life-cycle cost, as well as the best non-cost score. This method does not involve shipping, storing or dosing of chemicals.
WW042 - Biosolids Holding Tank	
	This project is for the construction of the second Biosolids Holding Tank at the Springbrook Water Reclamation Plant. The first tank was completed in FY2016. The second tank will provide operational flexibility and redundancy with construction planned for FY2025.
WW046 - Influent Pump Station and South Plant Forcemain Improvements	
	This project involves engineering design for replacement of obsolete pumps with diminished capacity that are unable to be repaired. In addition, this project will configure the influent pump station for a future 50/50 flow split between the North and South plants, as well as design a forcemain to convey additional flow to the South plant.
WW048 - South Plant Return Activated Sludge & Grit Removal Improvements	
	This project will provide for the installation of RAS (Return Activated Sludge)/Grit improvements at the South Plant. The existing aerated grit removal process is original to the South Plant construction and allows large amounts of grit to pass through the process, causing problems downstream, and does not provide for automatic removal and classification. A new vortex-type grit removal system will be designed along with a grit washer classifier. The new grit system shall be sized to accommodate both existing conditions as well as the proposed expansion of South Plant capacity for a 50/50 flow split. Also included in this project are RAS pumping improvements to support South Plant expansion.
WW045 - South Plant Capacity Upgrades	
	This project proposes to design and construct capacity improvements and upgrades to the South Plant, including aeration and clarifier improvements. Additional aeration capacity will be constructed, reaching a total of four three-pass basins, four additional high speed turbo blowers and new membrane diffusers for the new basins. The South Plant aeration basins will be configured for MUCT biological phosphorus removal, including baffle walls, mixers and recirculation pumps. In addition, three additional 115' diameter secondary clarifiers will also be constructed.
WW057 - Nutrient Removal and North Plant Upgrades	
	This project will reconfigure the existing aeration tanks in the North Plant for MUCT biological phosphorus removal, associated submersible mixers, recirculation pumps and replacement of the existing mechanical aeration system with high-speed turbo blowers and fine bubble diffusers. The existing mechanical aerators are 15-40 years old, and sourcing parts for maintenance and repairs is difficult. This project will also add sidestream fermentation and a chemical phosphorus removal backup system.
WW050 - Cloth Media and Disc Filters	
	The existing underground sand filters serving as tertiary filters for the North plant are near the end of their useful life. The South plant does not currently have tertiary filters. It is anticipated that a lower than 0.5 mg/L phosphorus limit will be imposed on Springbrook Water Reclamation Center in the future and that this will be achieved through chemical polishing and tertiary filtration. Cloth media disc filters are anticipated to provide tertiary filtration due to their compact footprint and ease of media replacement.
WW047 - Springbrook Interceptor Improvements (Phase 1)	
WW070 - Springbrook Interceptor Improvements (Phase 2)	
WW071 - Springbrook Interceptor Improvements (Phase 3)	

Exhibit A: Planned Capital Improvements

WW072 - Springbrook Interceptor Improvements (Phase 4)	
	The Springbrook (T01) Interceptor is one of two IEPA permitted interceptors that transport wastewater from the Water Utilities sanitary collection system to the Springbrook Water Reclamation Center. This major asset was installed in 1975 and, after a recent MSI (Multi Senor Inspection), the Springbrook interceptor is in need of major repairs and rehabilitation. This project is a multi-year project, needing several phases to compete. Included in this project is the replacement of manholes in the Dragon Lake Forest Preserve, rehabilitation of the remaining manholes, CIP lining of the interceptor, and by-pass pumping
WW053 - Northwest Wastewater Pump Station Improvements / Upgrades	
	As part of the water utility's ongoing rehabilitation and renewal of its critical infrastructure, this project will provide for upgrades and improvements to major components at Northwest Wastewater Pump Station.
WW065 - North Pump Station Improvements	
	This project includes the replacement of pumps, piping, valves, and automation equipment for the North Pump Station.

Effective Date:
1-Jan-26