

Review of Proposals and Award of Contract: Pump Station 17 Rehabilitation & Pump Station 17 Force Main Relief Phase 2



October 28, 2021

Madison Metropolitan Sewerage District

Background

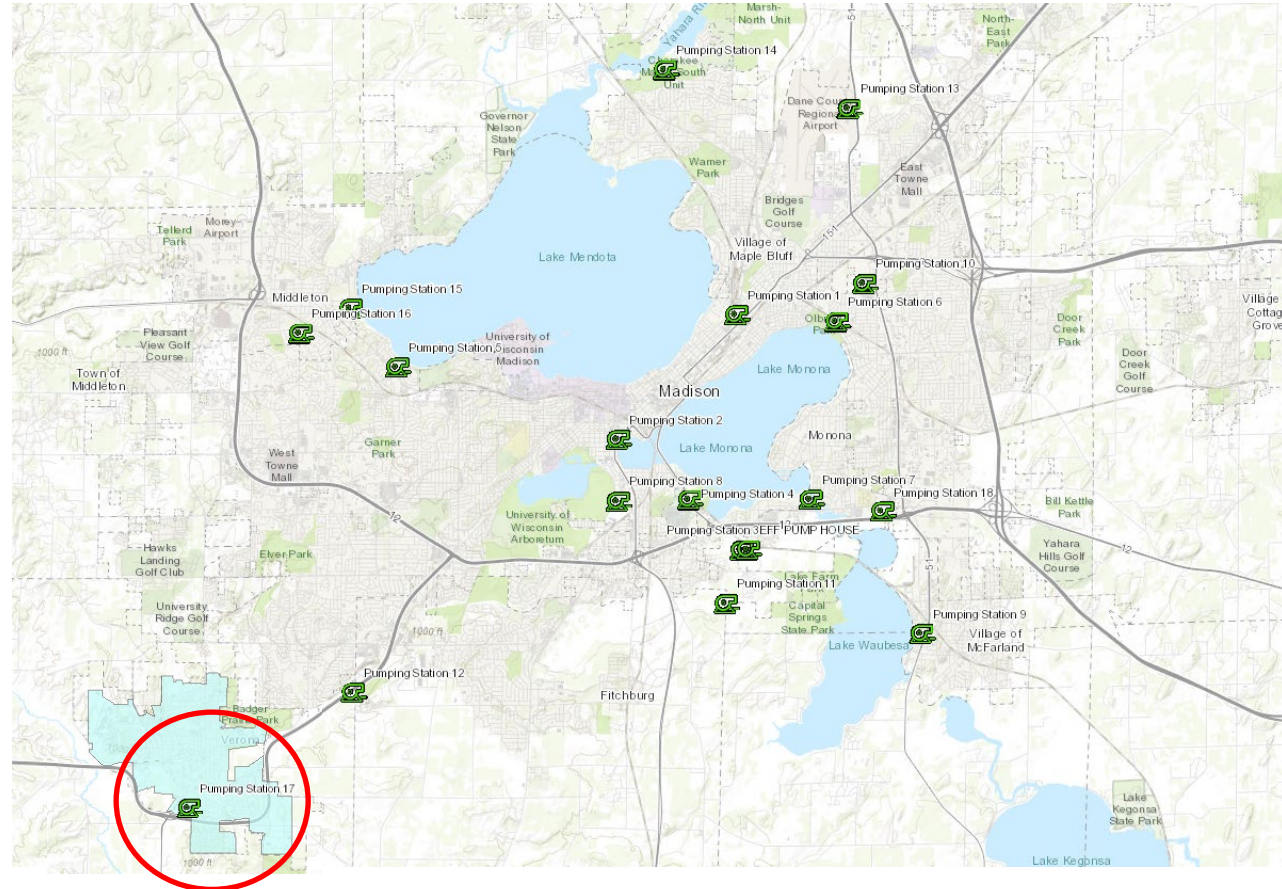


- Two separate projects in the 2022 Capital Budget
 - Pump Station 17 Rehabilitation (#C03)
 - Pump Station 17 Force Main Relief Phase 2 (#C04)



Background

- Among the fastest growing areas in the state.
- Current flows from population growth quickly reaching design capacity of station.



Background

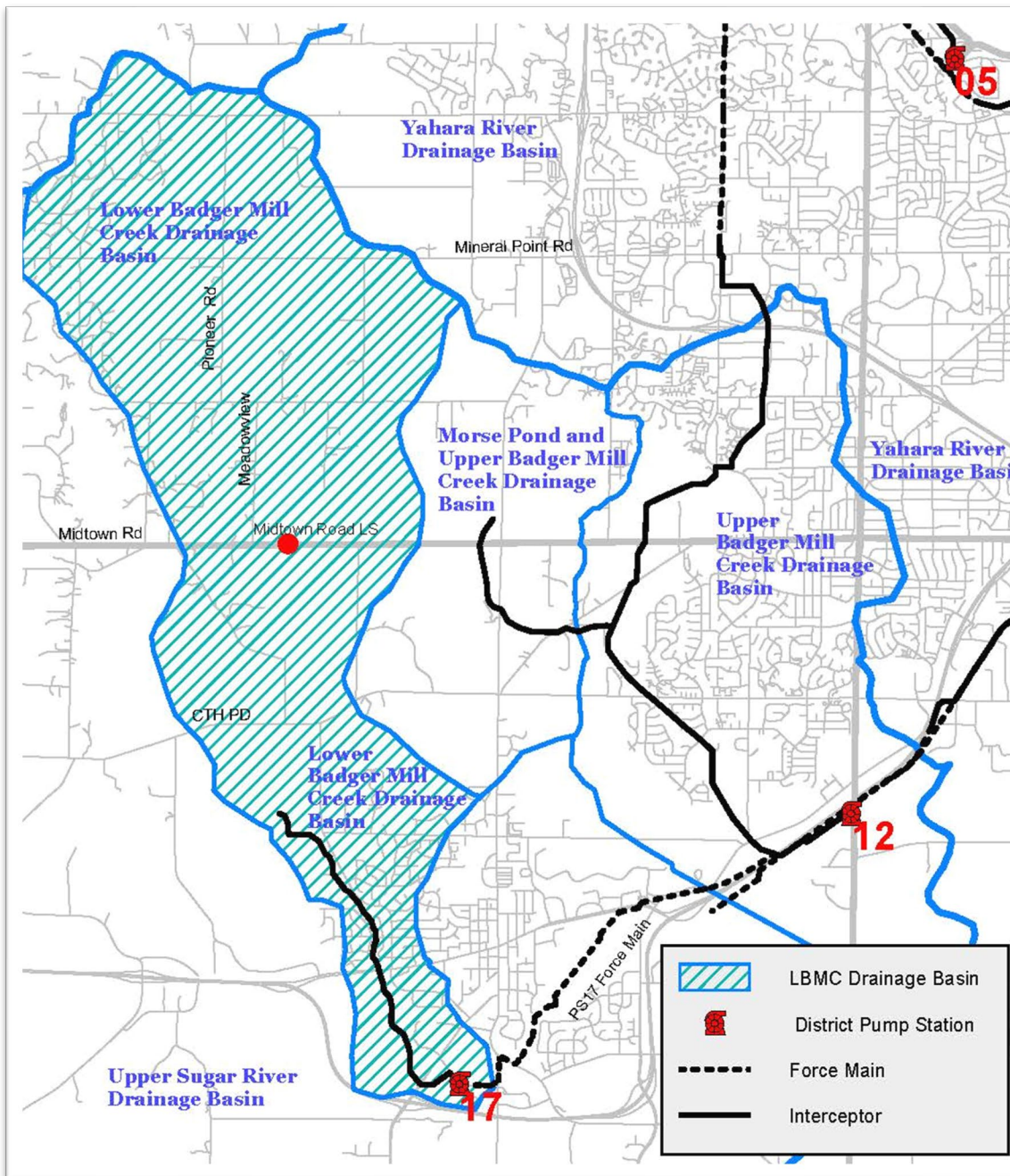


- Pump Station 17 and FM
 - Constructed 1995-1996
 - Original pumps, electrical, generator, HVAC, valves etc.



Additional Flows

- City of Madison Midtown lift station reaching capacity in ~2024.
- Lower Badger Mill Creek Interceptor to be extended to Midtown Road bringing more flow to PS 17.

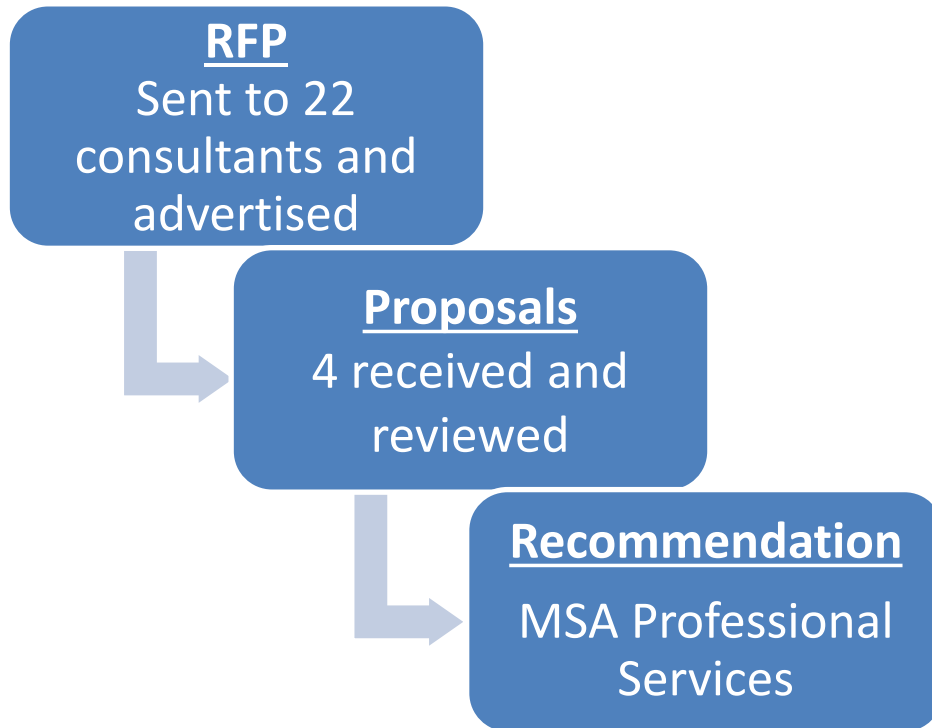


Future Capacity Needed

	<u>Existing Firm Capacity</u>	<u>Current Peak Flow (this year)</u>	<u>Additional Peak Flow, LBMC Ext (Late 2024)</u>	<u>Long Term Peak Flow (2040)</u>
Pump Station 17	4.6 MGD	4.3 MGD	5 MGD	11.82 MGD
Force Main	8 MGD	4.3 MGD	5 MGD	11.82 MGD



Consultant Selection



Evaluation Criteria:

- Project Approach (20%)
- Key Technical Issues (20%)
- Strength of the Team (20%)
- Pricing (20%)
- Schedule (10%)
- Overall Impression (10%)



Key Aspects

1. Building Expansion Challenges



2. Route Selection Challenges



Key Aspects

3. Pricing

	Proposal Amount	Hours	\$ / Hour
Applied Technologies, Inc.	\$ 517,217	2,962	\$ 174.62
Short Elliott Hendrickson, Inc.	\$ 530,980	3,373	\$ 157.42
MSA Professional Services, Inc.	\$ 657,419	4,622	\$ 142.24
Strand Associates, Inc.	\$ 676,955	4,278	\$ 158.24



Questions?





Thank you!

Madison Metropolitan Sewerage District