

NON-POTABLE POND REHAB



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Project Manager: Roy Gallea, Utility Engineer

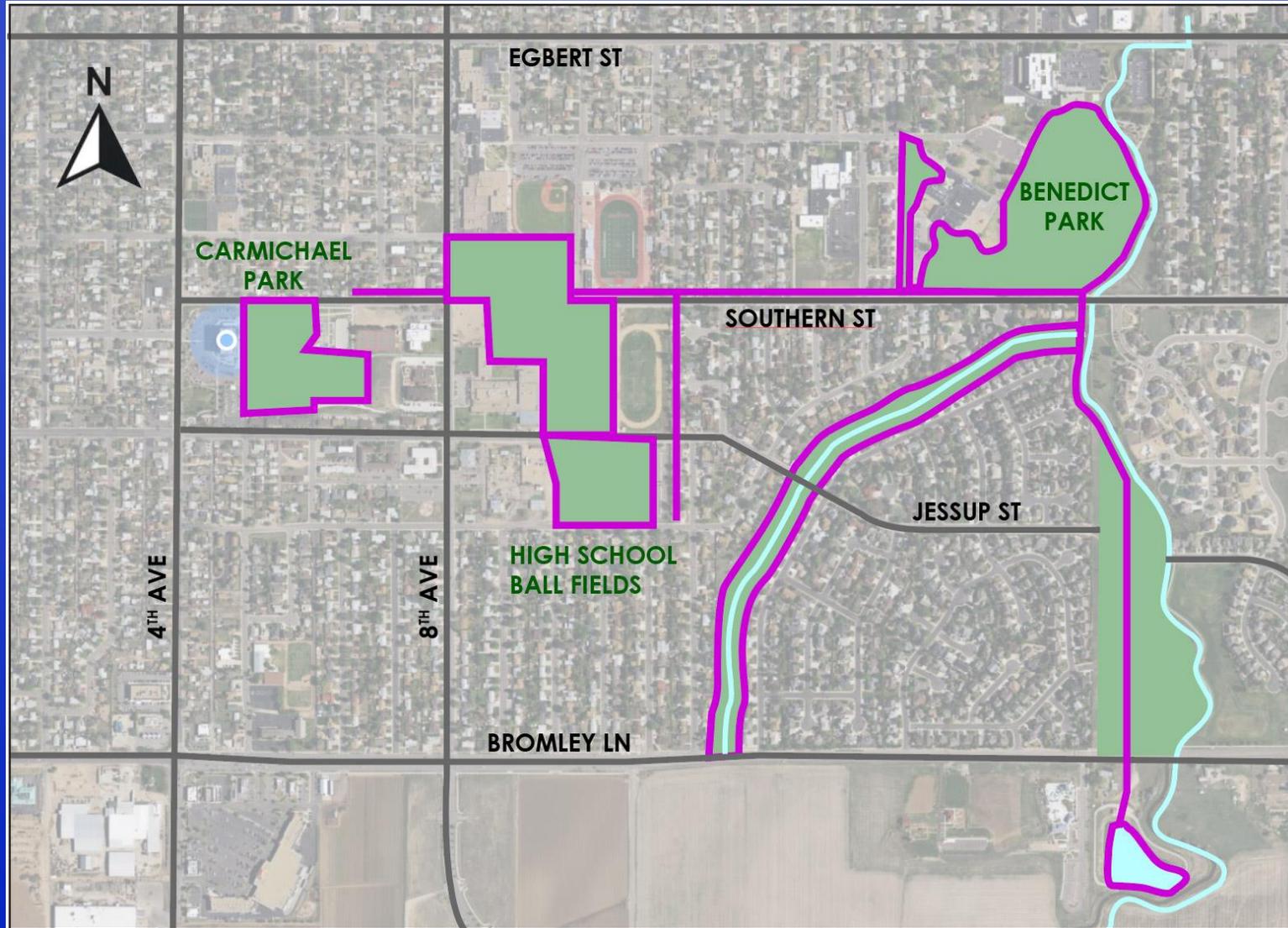
INTRODUCTION

- PROJECT BACKGROUND
- PROJECT DETAILS
- BID PROCESS AND RESULTS
- FINAL RECOMMENDATION

PROJECT BACKGROUND

- Original Intent of Non-Potable Pond
 - Irrigate Parks along Southern with Raw Water
 - Take demand off of potable system
- Original design/construction occurred in two phases.
 - First Phase was pipeline on Southern and along Fulton Ditch in 2010
 - Second Phase was construction of Reservoir and Pump Station in 2011

PROJECT BACKGROUND



PROJECT BACKGROUND

- Multiple Issues with Pump Station
- Pre-Fab building was designed with no lights or HVAC
- Headgate design brings sediment into reservoir
- Limited Access to pond bottom for maintenance of Aerators and sediment removal



PROJECT DETAILS



- Rehab the existing pump station, including new pumps and larger wetwell
- Add access ramp into pond
- Move head gate to increase storage in pond

PROJECT DETAILS

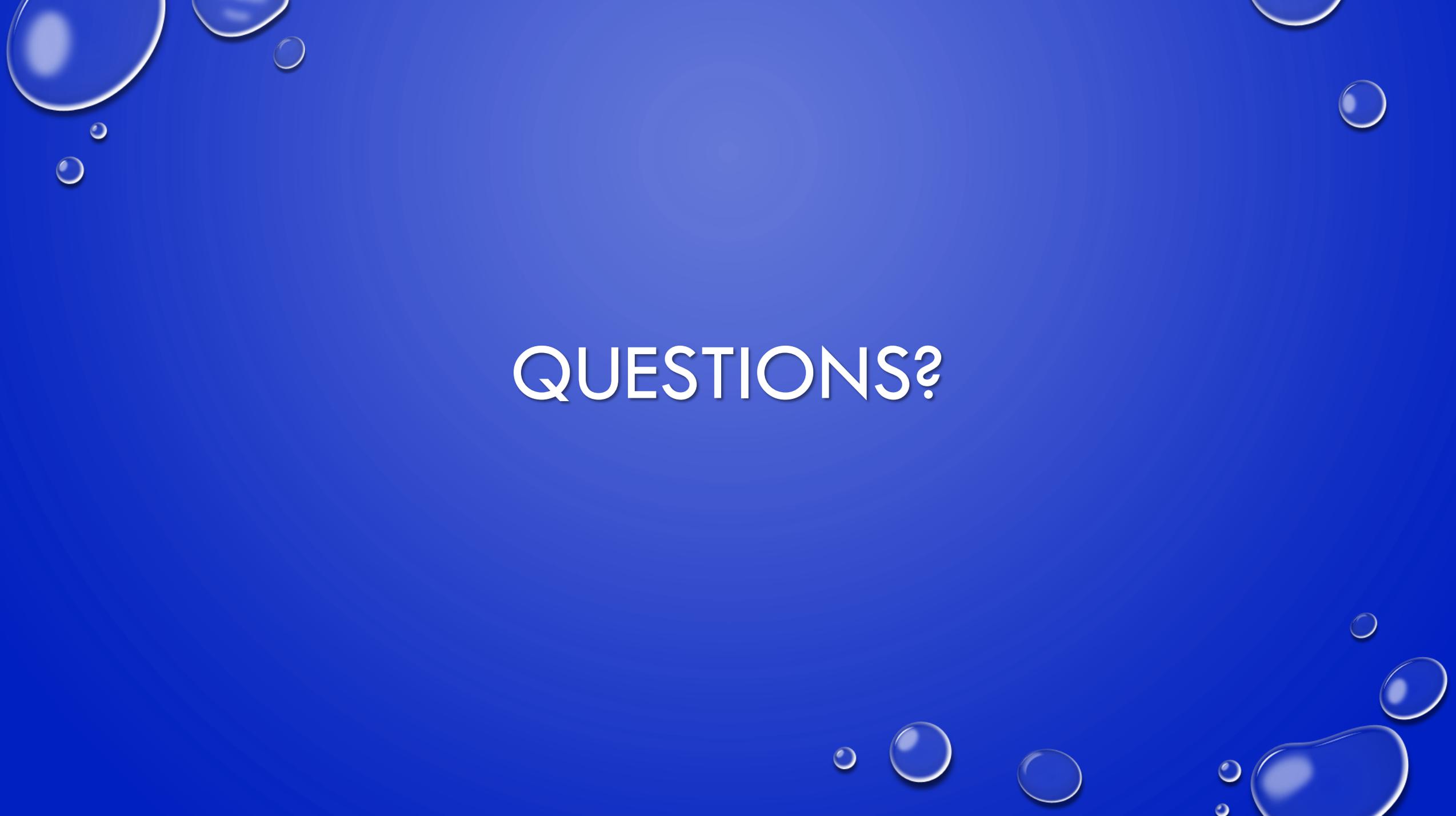
- Importance of Approving Project
 - Non-Potable Pond is unreliable with some parks currently on Potable water
 - Supply vs. Demand on Potable System
 - 11.7 MGD of production capacity
 - 11.67 MGD peak day in 2019
 - Long Lead Item Purchase

BID PROCESS AND RESULTS

- Formal Bid Process
 - 5 Firms Submitted Proposals
- Selection Process
 - RESPEC was selected based on project approach and cost of services
 - Proposal Fees ranged from \$68,550 to \$199,711.50
 - RESPEC was the most responsive proposer with a proposal price of \$68,550

FINAL RECOMMEDATION

- Staff believes selecting RESPEC for the design services for the Non-Potable Pond Rehab will accomplish the following:
 - Provide a long term, reliable solution to the non-potable irrigation system along Southern St.
 - Help reduce the need for Potable Water to serve irrigation needs

The background is a solid, vibrant blue color. It is decorated with several realistic water droplets of various sizes, scattered primarily in the corners. The droplets have a glossy, reflective surface with highlights and shadows, giving them a three-dimensional appearance. The word "QUESTIONS?" is centered in the middle of the frame in a white, bold, sans-serif font.

QUESTIONS?