


Brighton
COLORADO

NON-POTABLE POND PUMP HOUSE



Presenting: Roy Gallea, Utilities Engineering Manager
Project Manager: Sarah Graves, Utilities Project Engineer

STRATEGIC PLAN



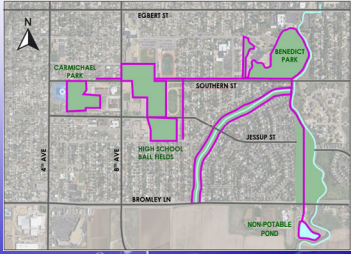
Supportive and Sustainable
Infrastructure



Financially Responsible

INTRODUCTION

- Non-Potable irrigation pond
- Current issues affecting operations:
 - SEDIMENT BUILDUP FROM THE FULTON LATERAL IN THE POND
 - INEFFICIENT PUMP PLACEMENT WITHIN THE WET WELL
 - INEFFECTIVE BACKWASH DISCHARGE LOCATION
 - LACK OF ACCESS TO INTAKE STRUCTURES FOR REPAIR OR MAINTENANCE



PROJECT BACKGROUND

- RESPEC Engineering, the selected engineer, completed design of the project and plans were advertised.
- Package pump station from EFl approved by Council on January 21, 2020
- Installation of the pump station completion of site work will be complete by the 2021 Irrigation season

PROJECT DETAILS

- Pre-fabricated pump station & wet well, access ramp, & new intake structures




PROJECT DETAILS

- Importance of Approving Project
 - Some parks currently using potable water
 - Potable supply is currently just below demand on peak irrigation day, need to reduce load on water treatment plant
 - Expansion of non-potable system critical to ensuring residents have enough potable water for non-irrigation uses

BID PROCESS AND RESULTS

- Formal bid process resulted in eight bids ranging from \$1,019,600 to \$1,656,491
- Velocity Constructors Inc. was selected based on being the responsive and responsible bidder. The total construction cost for Velocity Constructors Inc. is \$1,148,815.
- AFTER A THOROUGH REVIEW OF QUALIFICATIONS AND REFERENCES BY CITY STAFF THE EVALUATION COMMITTEE DETERMINED THAT THE SELECTION OF VELOCITY CONSTRUCTORS IS IN THE BEST INTEREST OF THE CITY AS THEY REPRESENT THE MOST RESPONSIVE AND RESPONSIBLE BIDDER.

FINAL RECOMMENDATION

- Staff believes selecting Velocity Constructors Inc. for the construction of the wet well and Non-Potable Pond Pump House improvements will accomplish the following:
 - Provide a reliable solution to the non-potable irrigation system along Southern St.
 - Help reduce the need for Potable Water to serve irrigation needs
 - Provide capacity for increased flow, reducing the need to upsize the pump station in the future

QUESTIONS?