



WATER TREATMENT SYSTEM IMPROVEMENTS

CITY OF KEMP

April 2019



ALAN PLUMMER
ASSOCIATES, INC.
ENVIRONMENTAL
ENGINEERS AND SCIENTISTS



OVERVIEW

- **Objective**

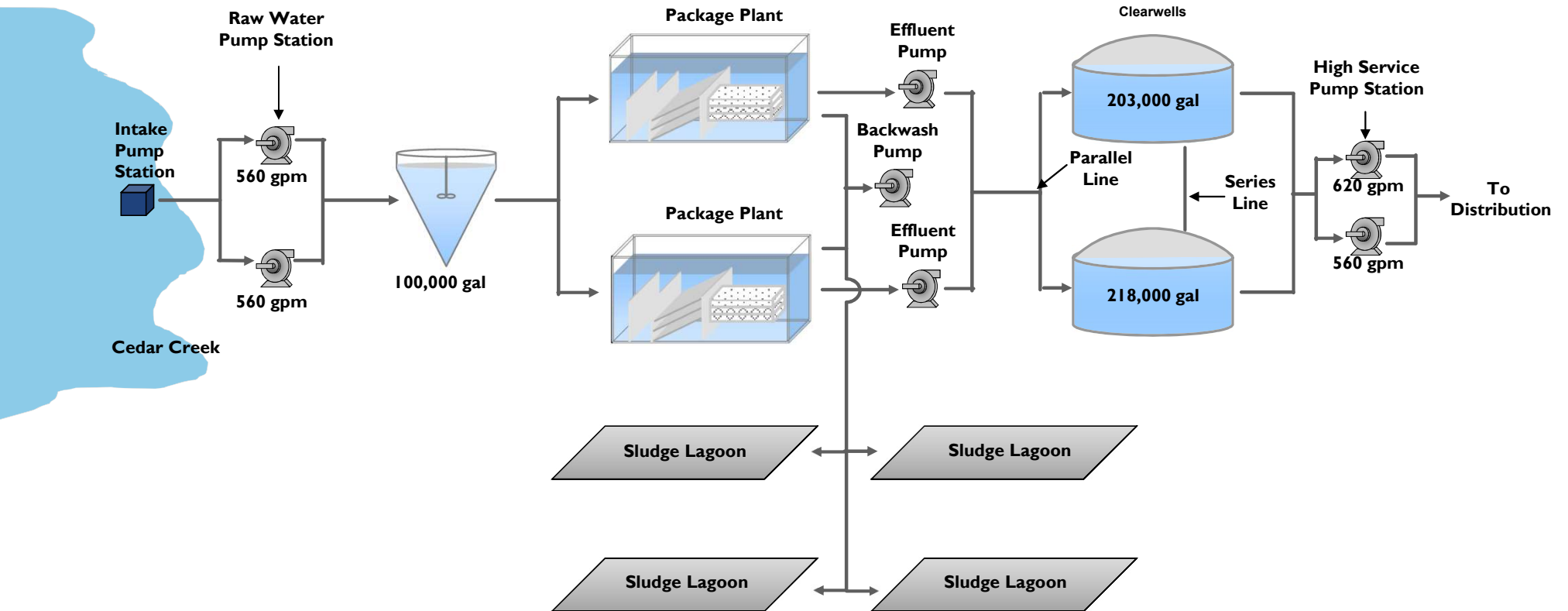
- Review Project & Update on Status

- **Agenda**

- Project Overview
- Application for Funding
- Regulatory Reviews
- Timeline & Anticipated Schedule
- Current Project Status

- **Q & A**

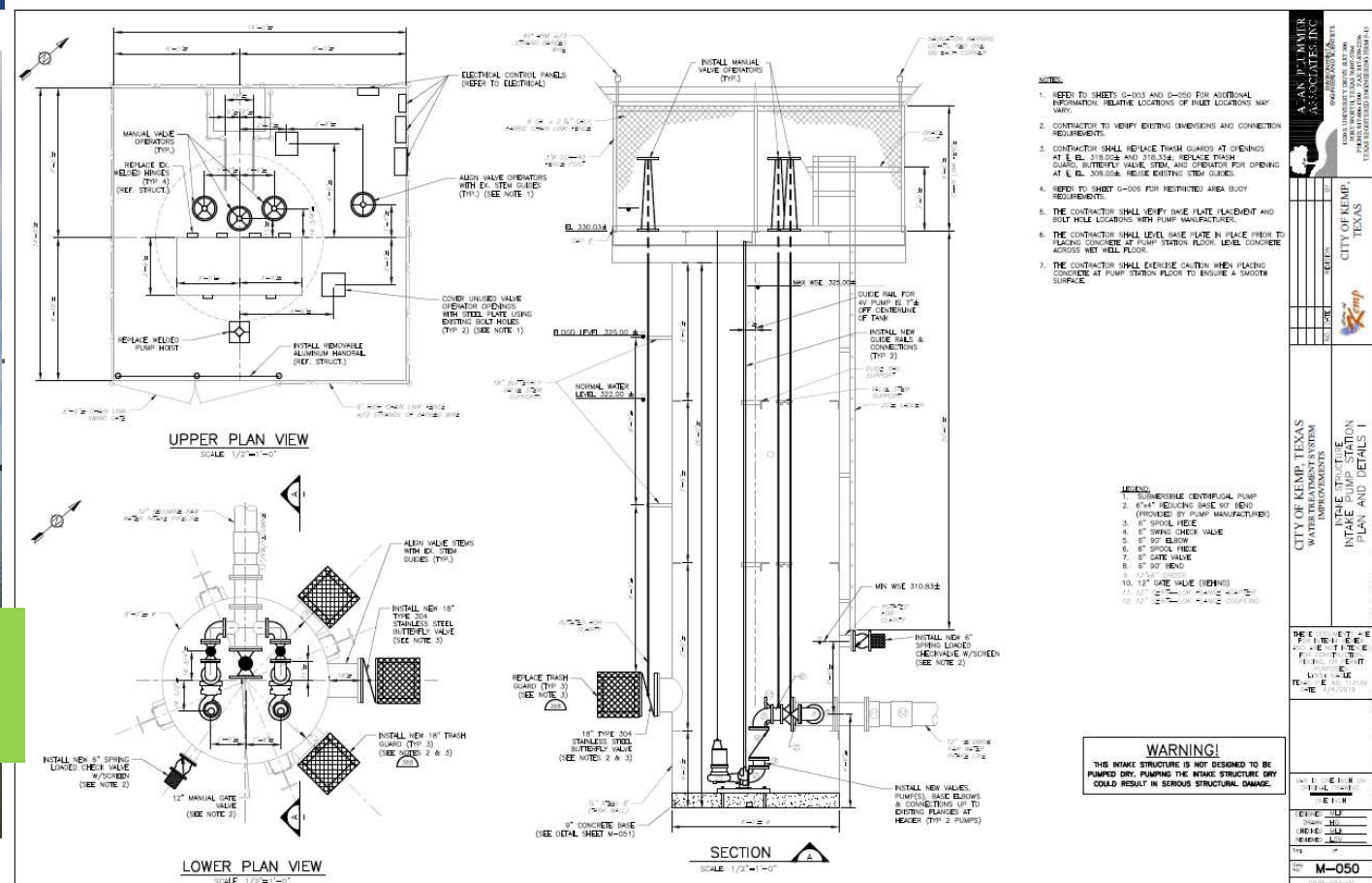
PROJECT OVERVIEW – EXISTING TREATMENT PROCESS



PROPOSED IMPROVEMENTS – INTAKE PUMP STATION



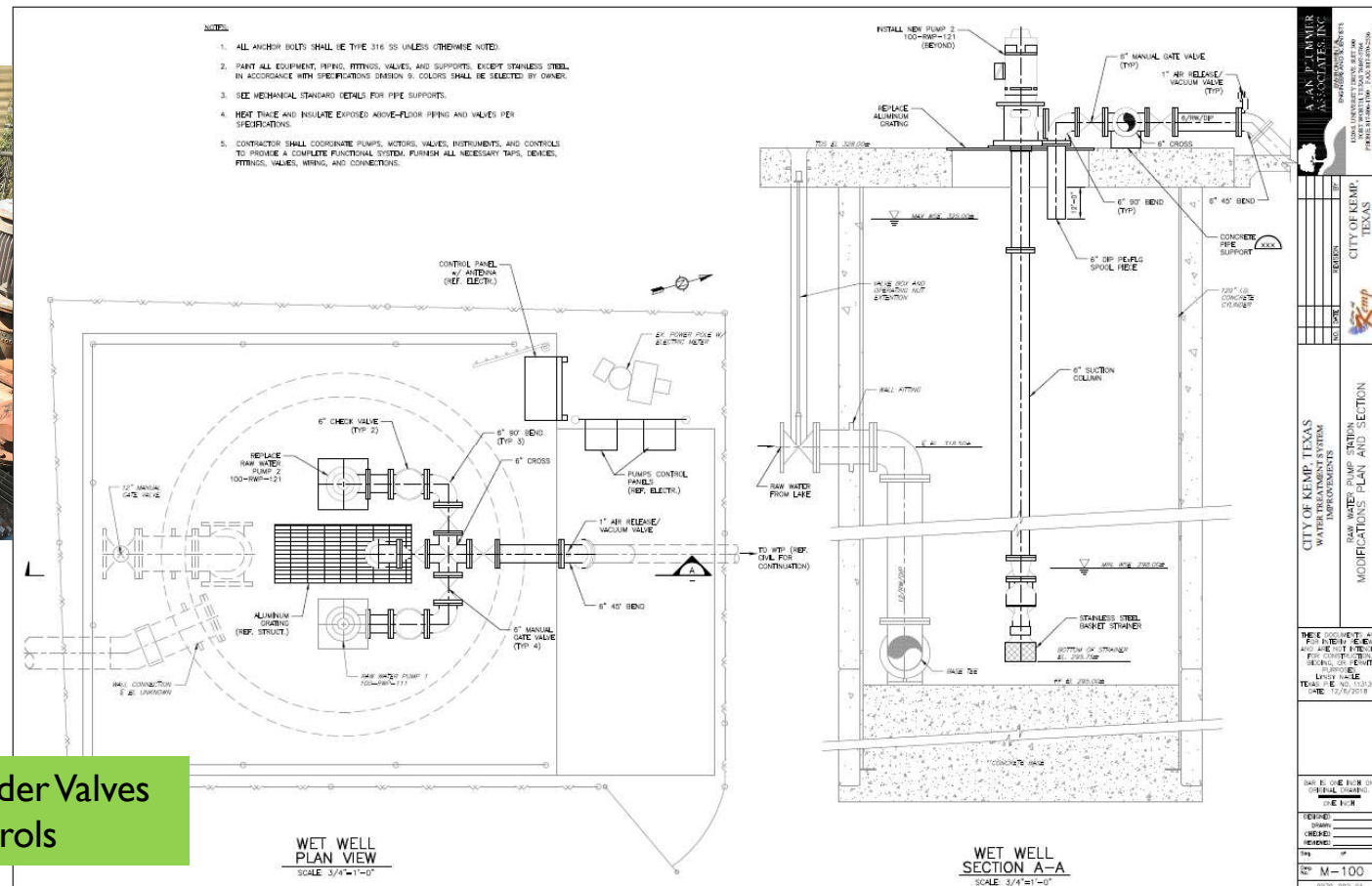
- Replace Intake Screens
- Replace Existing Pumps & Valves
- Replace Electrical Feed & Equipment



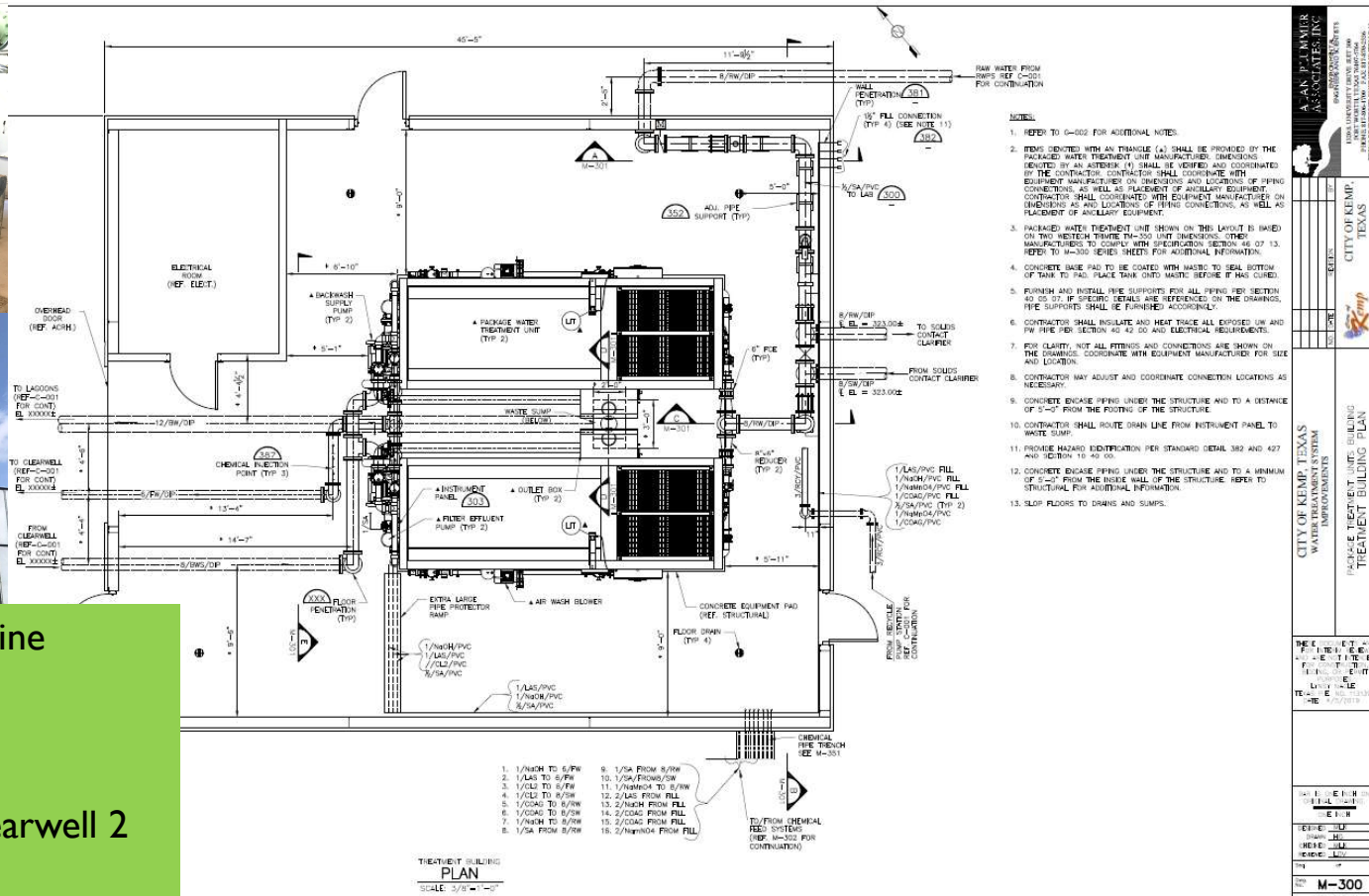
PROPOSED IMPROVEMENTS – RAW WATER PUMP STATION



- Replace One Pump & Discharge Header Valves
- Replace Electrical Equipment & Controls



PROPOSED IMPROVEMENTS – WATER TREATMENT PLANT



PROJECT INFORMATION

CITY OF KEMP, TEXAS
WATER TREATMENT SYSTEM IMPROVEMENTS
PACKAGE TREATMENT UNIT BUILDING PLAN

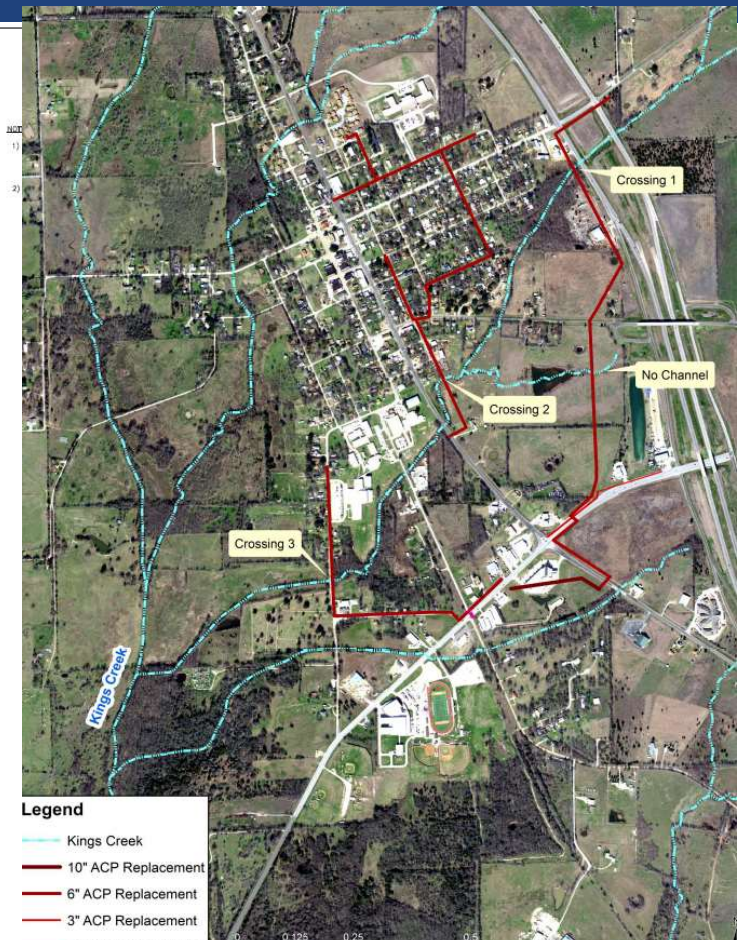
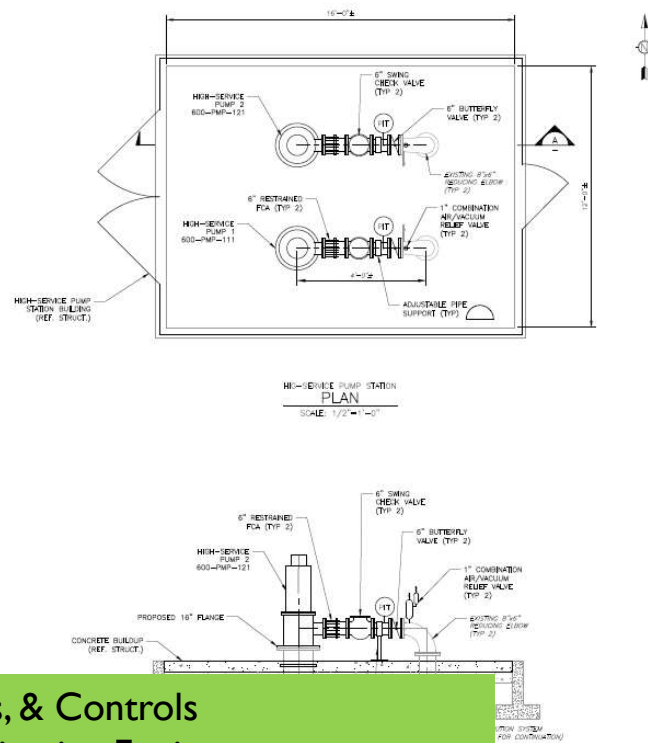
DESIGNER: A-100 PLANNERS ASSOCIATES, INC.
1000 UNIVERSITY DRIVE, SUITE 200
KEMP, TEXAS 75142
TEL: 940.396.1234
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WWW.A100PLANNERS.COM

DATE: 10/1/2014
BY: J. L. BROWN
CHKD: J. L. BROWN
APP'D: J. L. BROWN

PROJECT NO.: M-300
DATE: 10/1/2014

- Rehab ClariCone & Provide Diversion Line
- Replace Package Treatment Units
- Replace Laboratory & Office
- Chemical Feed System Improvements
- Decommission Clearwell 1 & Rehab Clearwell 2
- Modify Lagoon & Recycle Piping

PROPOSED IMPROVEMENTS – HIGH-SERVICE PUMP STATION & DISTRIBUTION SYSTEM



- Replace High-Service Pumps, Valves, & Controls
- Update Elevated Storage Tank Monitoring Equipment
- Replace Prioritized Segments of Distribution System Piping
- Install Secondary Connection to Distribution System



PROJECT OVERVIEW

- **Study & Report Phase**

- Funding Application
- Conceptual Design & Preliminary Engineering Report
- Environmental Assessment

- **Design Phase**

- Preliminary Design
- Final Design

- **Advertisement/Bid Phase**

- **Construction Phase**

- **Post-Construction Phase**

- Warranty Assistance
- O&M Manual



APPLICATION FOR FUNDING

- **Funding Application**

- United States Department of Agriculture (USDA) Rural Development
- Texas Water Development Board (TWDB)

- **Conceptual Design & Preliminary Engineering Report**

- **Environmental Assessment**

POTENTIAL FUNDING SOURCES

- **TWDB - \$3.2M Approved**
 - Not accepted by the City
- **USDA - \$6.5M Approved**
 - Funds Obligated –
March 21, 2018



[Home](#) [Board](#) [Financial Assistance](#) [Water Planning](#) [Groundwater](#) [Surface Water](#) [Flood](#)

Texas Water Development Board approves \$3,205,000 to the City of Kemp (Kaufman County) for water system improvements

AUSTIN – (March 21, 2018) – The Texas Water Development Board (TWDB) today approved by resolution financial assistance in the amount of \$3,205,000 from the City of Kemp (Kaufman County). The City of Kemp is planning to improve its water system, and construction

loan by using the

minating water-related water plan for the ers cost-effective y, wastewater ects.



United States Department of Agriculture

March 19, 2018

City of Kemp
Mrs. Laura Peace, Mayor
304 N. Main St.
Kemp, Texas 75143

SUBJECT: Recipient Name: City of Kemp
Project Name: Project Name from CPAP
Loan: \$4,144,000
Grant: \$2,426,000

Dear Mayor Peace:

This letter establishes conditions which must be understood and agreed to by you before further consideration may be given to your application. The loan and grant will be administered on behalf of the Rural Utilities Service (RUS) by the State and Area staff of USDA Rural Development, both of which are referred to throughout this letter as the Agency. Any changes in project cost, source of funds, scope of project, or any other significant changes in the project or applicant must be reported to and concurred with by the Agency by written amendment to this letter. If significant changes are made without obtaining such concurrence, the Agency may discontinue processing of the application.



LOAN & GRANT TERMS

- **Loan - \$4,144,000**
 - 40-year Term
 - 2.75% Interest Rate*
- **Grant - \$2,426,000**
- **Reserves**
 - Debt Service Reserve
 - Short-Lived Asset Reserve

* Approximate – Finalized upon closing



AFTER FUNDS ARE OBLIGATED

- **Preliminary Design**
- **Final Design**
 - Regulatory Review
- **Advertisement/Bid**
 - Loan Closing After Bid Award is Approved
- **Construction**
- **Post-Construction**
 - Warranty Assistance
 - O&M Manual



REGULATORY REVIEW

- Texas Commission on Environmental Quality
- USDA Rural Development
- Tarrant Regional Water District

- After Startup → Package Treatment Systems Testing (TCEQ)



TIMELINE & CURRENT STATUS

- January 2017 – Begin Work
- March 2017 – Submit USDA Application
- June 2017 – Preliminary Approval for 2018 USDA Funding
- December 2017 – Submit TWD Application
- February 2018 – Preliminary Approval for TWDB Funding
- March 2018 – Receive Notification of Approval From TWDB & USDA (USDA > TWDB)
- August 2018 – Begin Preliminary Design
- January 2019 – Begin Final Design
- May 2019 – Scheduled Submittal to Regulatory Agencies for Review
- August/September 2019 – Anticipated Advertisement Phase to Begin



THANK YOU!

Questions?

- **Regina Kiser – City Administrator**
- **Lynsy Nagle Varner, Project Engineer**
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817-806-1733
lvarner@apaienv.com