

Landowner Information Meeting

Proposed New TPDES Permit No. WQ0015821001

City of Granbury
East Wastewater Treatment Plant (WWTP)
3121 Old Granbury Road, Granbury, Texas 76049

Presented by:
Chris Hay, PE; Joshua Berryhill, PE; Luci Dunn, PE
Enprotec / Hibbs & Todd, Inc.



INTRODUCTION

- This is a Landowner Information Meeting to provide information and receive comments on the new discharge permit from the proposed Granbury East WWTP.
- You received information about this Landowner Information Meeting because you are within the notification area for the new discharge.
- This Landowner Information Meeting is being conducted by representatives of the City of Granbury and Enprotec / Hibbs & Todd, Inc. (eHT). As a reminder, please make sure to sign in so we can keep a record of the attendees.



NEED FOR THE NEW EAST WWTP

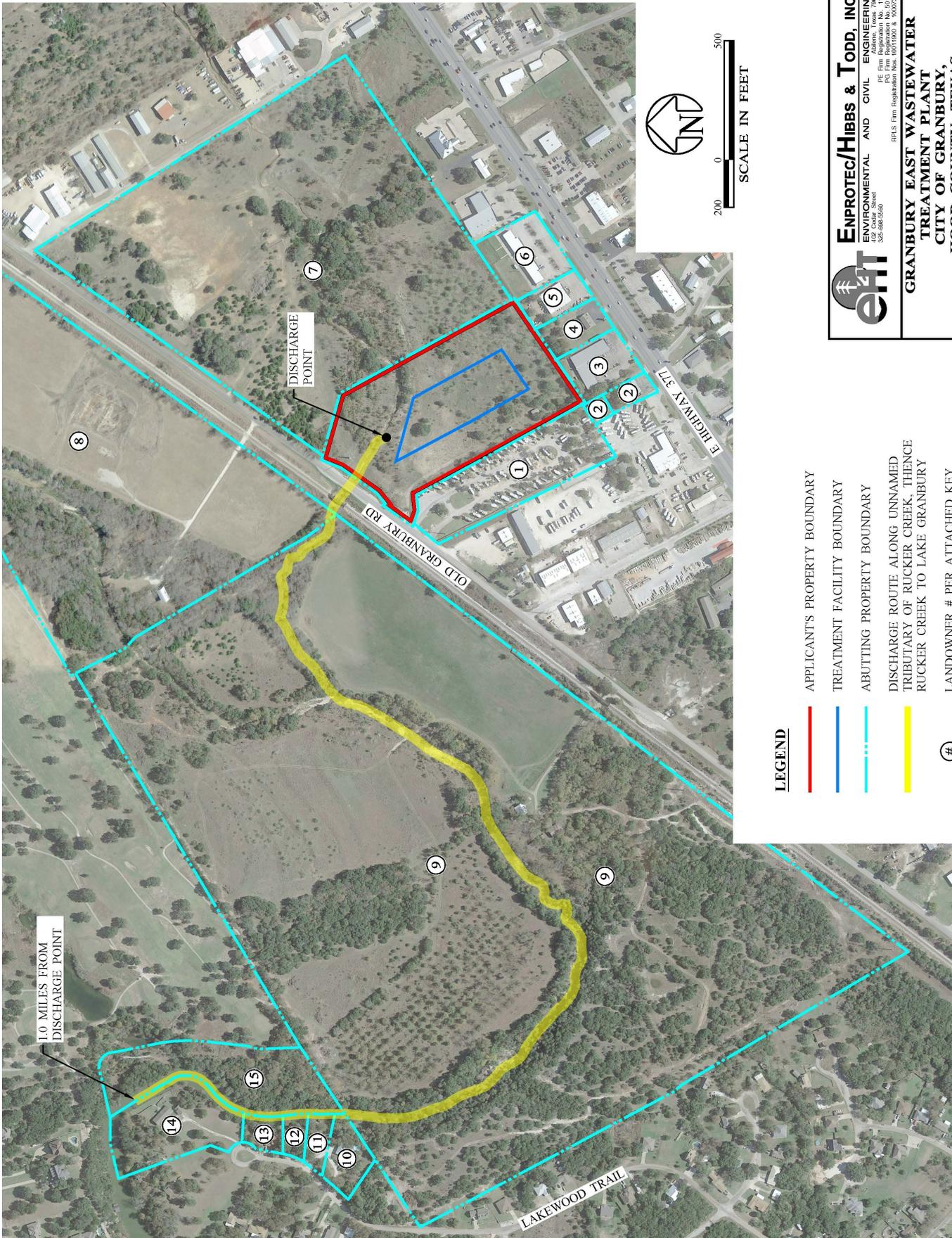
- The growth in the City of Granbury and aging equipment have led to operational challenges for the City of Granbury's existing South Wastewater Treatment Plant (WWTP) and has overloaded the Wastewater Collection System coming from the East side of the City.
- The growth in the service area will soon leave the City with insufficient wastewater treatment capacity at the existing facility.
- Constructing a satellite WWTP on the East side of the City is more cost effective than the Wastewater Collection System improvements needed to carry the wastewater flows to the existing South WWTP.



PERMIT DETAILS

- The East WWTP is anticipated to be authorized by Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0015821001 to discharge 1.0 million gallons per day (MGD) of treated effluent in Phase 1 and 2.0 MGD in Phase 2.
- The effluent will be discharged from the WWTP to an unnamed tributary of Rucker Creek; thence to Rucker Creek; thence to Lake Granbury in Segment 1205 of the Brazos River.
- The effluent will be treated beyond the required quality for the discharge point, using advanced treatment technology.





LEGEND

- APPLICANT'S PROPERTY BOUNDARY
- TREATMENT FACILITY BOUNDARY
- - - ABUTTING PROPERTY BOUNDARY
- DISCHARGE ROUTE ALONG UNNAMED TRIBUTARY OF RUCKER CREEK, THENCE RUCKER CREEK TO LAKE GRANBURY
- Ⓝ LANDOWNER # PER ATTACHED KEY

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| | <p>ENPROTEC/HIBBS & TODD, INC. ENVIRONMENTAL AND CIVIL ENGINEERING 109 Cedar Street Dallas, Texas 75201 P.C. Firm Registration No. 05103 P.E. Firm Registration Nos. 10017600 & 10002900</p> |
| <p>GRANBURY EAST WASTEWATER TREATMENT PLANT CITY OF GRANBURY, HOOD COUNTY, TEXAS</p> | |
| <p>LAND OWNERSHIP MAP</p> | |

7132
10/08/2019

NEW EAST WWTP DETAILS

- The proposed new East Wastewater Treatment Plant (WWTP) will be located at 3121 Old Granbury Road, on the southeast side of Old Granbury Road, adjacent to Bennett's RV Ranch.
- Will utilize preliminary treatment, secondary treatment in the form of a membrane bioreactor (MBR) with biological nutrient removal (BNR) selector zones, ultraviolet (UV) disinfection, and solids handling system.
- Is anticipated to be constructed by the Summer of 2021.



NEW EAST WWTP DETAILS

- New Plant Features:
- Odor control system that will continually treat foul air produced at the plant – minimize odors going offsite
- All major mechanical equipment will be installed within buildings and/or sound attenuation enclosures – minimize noise going offsite
- Lighting will use energy efficient LED technology, with smart lighting control to minimize “on” exterior lighting at night



EAST WWTP TREATMENT TECHNOLOGY

- Use of Biological Nutrient Removal (BNR) and Membrane Bioreactor (MBR) technology leads to high-quality effluent beyond the treatment capability of a Conventional Wastewater Treatment Plant (WWTP).
- The treated effluent will be further polished via ultraviolet (UV) disinfection prior to discharge.
- Effluent from the new East WWTP will be treated beyond the water quality requirements established by TCEQ to be safe for direct human contact upon leaving the WWTP.
- The City will operate, monitor, and maintain the East WWTP in accordance with TCEQ requirements.



COMMENT PERIOD

If you would like to address the City of Granbury regarding the proposed new discharge into Rucker Creek and Lake Granbury, you may do so at this time.