

**Texas Department of Agriculture &
Texas Water Development Board Clean Water State
Revolving Fund
Wastewater Treatment Plant & Master Lift Station
Replacement - City of Detroit, Texas
Project ID: TDA #72119, TWDB #2401-02**



This project was undertaken to address excessive BOD and TSS discharges at the wastewater treatment plant. The existing contact stabilization unit and gas chlorine disinfection system was replaced with an aerated lagoon followed by two stabilization ponds in series.

The old master lift station was replaced with a new 12" outfall main (approximately 1,200 feet long) to the plant and a new wetwell and lift station on the plant property. A new discharge permit was attained which changed the limits from 20 PPM of POB and TSS maximum to 30/90 and no chlorine residual. Included in the project was a supplemental environmental project (SEP) to offset the costs of fines imposed by TCEQ for discharge violations. The existing lift station was rehabilitated and 500 feet of 6" wastewater line was replaced on Crittenden Street.

Services provided by Hayter Engineering are listed at right.

This project was completed in 2005.

CLIENT

City of Detroit

CONTACT

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City of Detroit

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CONSTRUCTION COST

\$519,404.87

SERVICES PROVIDED

Financial Application Assistance

Design

Design Surveys

Bid & Award

Construction Review

Permit Assistance

Start Up Services