

Wastewater Treatment Plant Sludge Lagoon Closure City of Commerce, Texas, TDA #7215091



This project was unique because the City of Commerce contracted with a private entity, Sandknop Tree Farm for a project that was beneficial to both parties. The photo bottom right shows an aerial view of the project with WWTP upper right and irrigation pond lower left.

Sandknop Tree Farm, located immediately east of the lagoon had the type of soil needed to cover the existing sludge lagoon in order to comply with state regulatory requirements for the proper abandonment of the sludge lagoon. Sandknop Tree Farm needed dirt excavated from their property so that they could level up an area for the next phase of their tree farm. They also needed a pond dug to hold water for irrigation purposes. Both the City and Sandknop Farm Enterprises benefited from their close proximity which kept the cost of excavation and hauling as low as possible.

The project consisted of:

- Clearing and disposing of brush on the irrigation pond site
- Construction of a 30,000 CY (6 million gallon) irrigation pond
- Excavation and placement of 10,000 CY of soil on the west side of the irrigation pond site
- Installation of 20,000 CY of compacted soil on the sludge lagoon site
- Construction of a 2,250 LF gravel haul road, and installation of 60 LF of 15" and 30 LF of 24" RCP culverts
- Installation of a berm around the south and east sides of the borrow pit
- Installation of 560 LF of drainage swale

Services provided by Hayter Engineering are listed at right. The project was completed in 2017.

CLIENT

City of Commerce

CONTACT

Darrek Ferrell, City Manager

City of Commerce

Phone: 903-886-1130

Email: darrek.ferrell@commercetx.org

CONSTRUCTION COST

\$249,466

SERVICES PROVIDED

Design

Design Field Surveys

Construction Plans & Specifications

Construction Bid & Award

Construction Review

Warranty Review