

TERMINAL DESIGN & CONSTRUCTION

PLAINS ALL-AMERICAN PIPELINE, LP, LA SALLE COUNTY, TX

Prime Engineering designed and prepared construction documents for a new midstream oil products terminal to be located on a greenfield site near Cotulla, Texas. This new truck-loading terminal allows receipt of condensate or crude via pipeline and delivers either or both products to tanker trucks.

- Procurement of long-lead equipment
- Civil/structural bid documents, including:
 - Earthwork/drainage
 - Structural foundations
 - Pavement
 - Canopy erection
 - Pre-engineered building erection
- Loading rack skid fabrication package
- Mechanical/process bid documents, including:
 - Piping systems and pipe supports
 - Equipment foundations
 - Skid installation
- Pump installation and alignment
- Electrical/controls bid documents including:
 - Panels/boxes
 - Conduit/wire
 - Grounding
 - Lighting
 - Control systems
 - System integration
- API 650 vertical storage tanks w/IFR
- UL-142 vertical storage tank (PCW)
- Vapor combustion unit
- Truck loading rack pumps
- Primary switchgear
- Pre-fabricated canopy

Construction Management

Prime also furnished onsite services to represent Plains All-American Pipeline and manage construction as the owner's authorized representative.



Construction of ringwall.



Initial design of storage tanks.



Placing the 2,000,000-gallon+ reclamation tank.

SERVICES

Prime consultant to owner for engineering services.

COST

\$9.9 million (construction)



Close-up of pump design.



Construction of floating roof.

