PERFORMANCE SPECIFICATIONS AND NOTES:
(All items listed are "or approved equal")

Oil Water Separator Installation and Performance Specification

Furnish and install a "Kleerwater High Efficiency" or similar, coalescer type 10,000 gal oil water separator with high oil level alarm and "Oil Stop" valve on the outlet line that closes with high oil level. The tank will be double wall, type I, coated with ACT-100U exterior protection, or similar. The drain lines from the unload and Dispense ramps are piped directly to the Oil Water Separator. The drain lines from the secondary containment structure have a manual stopper at the containment outlet (floor drain) and are piped to a manual gate valve installed at the edge of the secondary containment structure before connecting to the inlet line to the Oil Water Separator. Flow from the secondary containment is through the floor drain with stopper, through the manual gate valve, and into the oil water separator. Drain lines from the canopy gutters and down spouts by pass the oil water separator and go directly to the storm sewer line connection.

Fire Protection System

Furnish and install four uv/Infared detector units mounted at each corner light pole, pointed at the tank area, hard wired to the Fire Alarm Control Panel with telephone dial out capability to the Dispatch Operation for the Fire Department. The Fire Alarm Control Panel is to be installed in the Motor Control Cabinet along with an audible alarm. Provide reset switches at both the Fire Alarm Control Panel and by code at the Dispatch Operations. Link the emergency shut off line into this system so that if the emergency shut off is activated, an alarm sounds in the Dispatch Operations. Furnish and install three 20 lb "BC" type fire extinguishers, in mounting brackets, on the "low" wall or on the structure, on each off load or dispense ramp side of the facility (total of 6 extinguishers).

Telephone Entry Control Pedestal and Emergency Call Box

Furnish and install a "telephone intercom" entry control box, with PIN pad, mounted on a pedestal, at the outside of the electric entry gate. The telephone intercom feature provides for push button type automatic dial up of each FBO to announce arrival of the delivery tanker truck and allows the FBO to open the electric gate with a code response into the FBO's telephone. Entry can also gained by using the appropriate PIN number. The unit must be stand alone and capable of re-programming with either a floppy disk or memory stick. Provide one copy of the security PIN program to the Airport. Exit by the tanker truck is through a "one way" electric gate. Also furnish and install a "phone call box" with push buttons for each FBO, the Airport and the Fire Department on this same line, which is also connected to the fire alarm panel for Backup direct dial 911 if there is an alarm in the storage area.

Temporary Fence

Install temporary fence before removing airport perimeter fence. Remove and patch pavement at completion of project.

Electrical and Telephone Utilities

TXU will furnish and install a new 500 kVA pad mounted transformer on the contractor furnished transformer pad, and connect to the transformer from the existing power pole by an underground feed. TXU will connect the 600 amp Panel to the transformer. The TXU Service Planner is Mr. Larry Redik, (972) 323-8917. See Transformer Pad Specifications. Contractor will provide an allowance for this construction.

Provide a six pair under ground telephone cable service and telephone cable access box to this facility from the nearest telephone cable access panel. SBC is the local telephone provider. The cable access box should be mounted near the Motor Control Cabinet. The SBC service planner is Mr. Dan Nutt, (214)920-0146.

Electrical Cantilever Gates

Furnish and install a 20' EDKO SGL Safe Glide cantilever sliding gate; or similar; for the tanker truck entry, opened by either using the correct PIN code to the number pad on the pedestal mounted telephone intercom entry control unit, or by remote code back from the FBO telephone to the Sentex, Horizon H telephone intercom entry control unit, after the tanker truck driver uses the push button dialer to call the FBO who is receiving the delivery. The sensor loop mounted in the pavement allows the gate to automatically close once the tanker truck has cleared the sliding gate.

Furnish and install a 16' EDKO SGL Safe Glide cantilever sliding gate; or similar; for the one-way tanker truck. Exit is opened by the long sensor loop mounted in the pavement near the exit. A second sensor loop, mounted in the pavement outside the sliding gate, allows the gate to automatically close once the tanker truck has cleared the sliding gate.

Pavement Marking and Paint

Apply 6" wide traffic pavement marking paint where indicated on plans, along both new Asphalt pavement edges and on outside edge for new Concrete pavements, to delineate the traffic lane. Use TXDOT approved white pavement marking paint with reflective beads.

Dust and Storm Water Runoff Control

Provide continuous dust control operations to minimize wind blown dust and particulates into the Airport operations area and into the hangar/aircraft maintenance areas directly to the west and north. Dust control will be accomplished to the satisfaction of the Airport Director.

Provide a Storm Water Runoff Control plan, meeting Texas Commission on Environmental Quality (TCEQ) standards for construction site storm water runoff control. As a minimum, install and maintain a "silt fence" where indicated and protect the area between Addison Road and the project to allow natural drainage into the retention area that feeds the Storm line headwall.

Special Considerations:

Locate existing gas line in protected area and pot hole to determine depth. If less than 24" deep, protect line thru construction area.

Locate and protect other utilities.

LEGEND

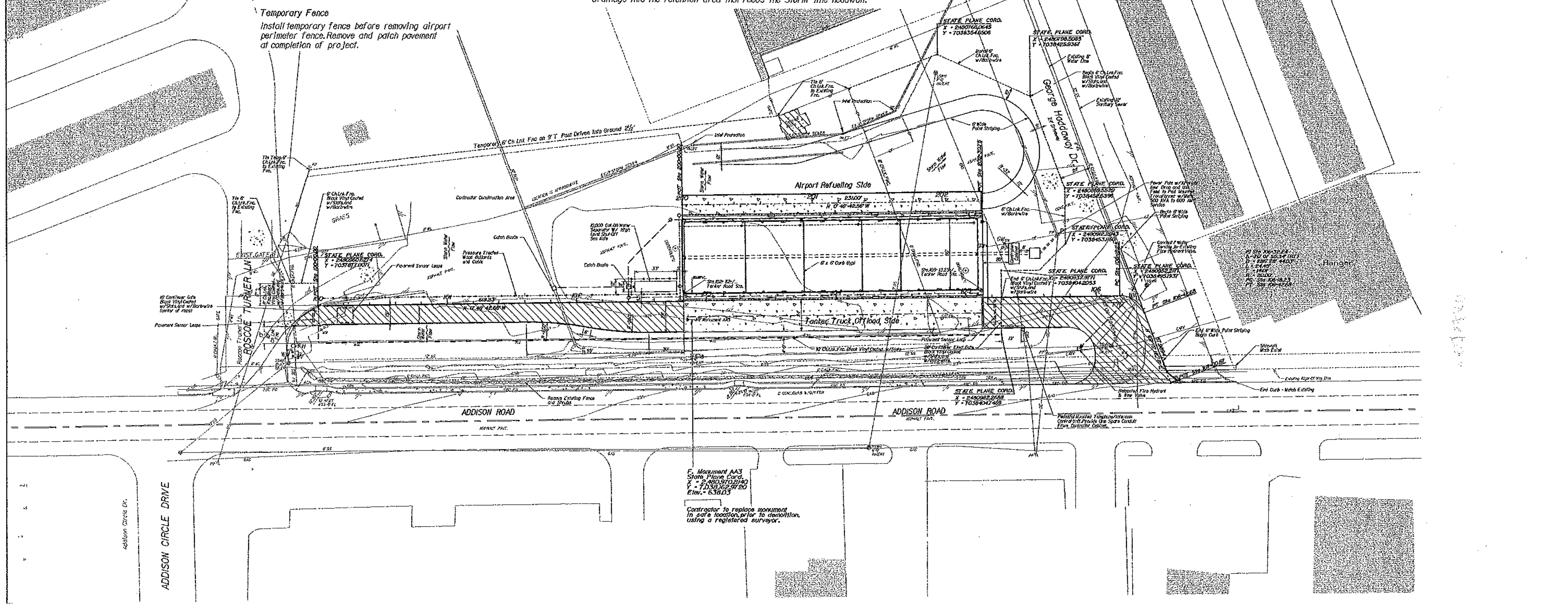
- Asphalt Concrete Pavement
- Portland Cement Concrete Pavement
- 6' Chain Link Fence w/ Barb-Wire
- 10' Ch Lnk Fnc Black Vinyl Coated w/Slats
- Silt Fence

1"=40'

40' 0' 40' 80' 120'

Sequence of Work

1. Install 6' temporary chain link fence and insure "Airport" side is secure and existing airport access on Roscoe Turner Lane or public access on George Haddaway Drive is maintained.
2. Perform demolition, clearing and grubbing, while maintain public access to George Haddaway Drive. Work along Addison Road will be in accordance with the Traffic Control Plan including traffic control devices and layout. Refer to the Texas Manual on Uniform Traffic Control Devices for lane closures along Addison Road and to protect work from public access traffic on George Haddaway Drive.
3. Install 6' Chain link Fence with 1' barb wire and 10' Chainlink Fence with 10' vinyl covered slats in Fabric at final Location. Provide Temporary swing gates (2) to secure Construction site Until Electric gates are installed.
4. Construct the underground connections for utilities, conduit and storm system, place pads, cabinets and other supporting structures.
5. Construct secondary containment structure, and concrete pavement and install the fuel storage tanks and oil water separator.
6. Construct or install the light poles, catwalk and alternative bid item stretched fabric canopy.
7. Construct and install all remaining electrical, telephone, fire protection and mechanical systems.



10-25-04

ISSUED FOR BID
STAGE OF PLANS

ADD - FUEL
27514-000-00020
CADD FILE NO.

Burns & McDonnell SINCE 1898

Washington Group International
Integrated Engineering, Construction, and Management Solutions

Addison!

ADDISON AIRPORT
ADDISON, TEXAS

BULK FUEL STORAGE AND DISPENSING SYSTEM
GEOMETRIC SITE LAYOUT

DESIGNER M.O.J. PROJ. LEAD S.G.L. APPROVED B.D.N.
CADD TECH. F.J.S. CHECKERS S.G.L./ T.P.N.

DATE: OCTOBER 25, 2004

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