

## Southwest Airlines (SIC 4512)

*Subtenants: Skytanking USA, Inc., Budget Car Rental.*

Southwest Airlines is the largest commercial air carrier currently operating out of Dallas Love Field Airport. They have been a tenant since June of 1971.

The Southwest leasehold can be divided into five main areas:

1. Maintenance facility on the west side
2. Corporate headquarters off Denton Drive
3. Terminal complex
4. Provisioning center
5. Ground Service Equipment (GSE) shop

Southwest maintains several gates at its terminal. At each gate, small quantities of “immediate use” oil are stored, intended for use within 24 hours. In addition, absorbent, waste oil, and new oil in cases are stored under cover near each gate. All waste oil is in secondary containment stored in a tote at one of the gates. Spill carts are located throughout the ramp area.

In inclement weather, deicing and anti-icing are performed on Southwest aircraft. Approximately 50 gallons of a 50/50 mixture of propylene glycol to water is used on each aircraft requiring deicing. Annual usage of this mixture is typically less than 8,000 gallons. Type I glycol (used for de-icing) is stored in two 6,000-gal aboveground storage tanks (ASTs) and one 500-gal AST, all of which have secondary containment. Type IV (used for anti-icing) is stored in a 6,000-gal double-walled AST as well.

Southwest Airlines leases the fuel farm located on the south side of the airport from the City of Dallas and has hired Skytanking USA, Inc. as the Operator. Aircrafts are fueled through a hydrant system by Sky Tanking employees. No fueling trucks are used.

All maintenance hangars and aircraft wash rack drains are connected to oil/water separators prior to discharge into the sanitary sewer system. The hangars have AFFF (Aqueous Film Forming Foam) systems in case of fire. When AFFF is discharged, valves in storm drains automatically close to provide a retention system, which is evacuated using a vacuum truck. Water pumps that discharge non-contact, potable water to the sanitary sewer are activated every Friday as part of a fire protection test procedure.

Provisioning trucks and all ground support equipment are washed in two designated outdoor wash racks. The drains are connected to an oil/water separator prior to discharging into the sanitary sewer system. All oil/water separators are serviced on a maintenance schedule. Both oil/water separators at the maintenance facility are exempt from registration due to being permitted through the City of Dallas Sanitary Sewer Pretreatment Permit.

<b>Chemical Inventory</b>		
<i>Item</i>	<i>Quantity/Where stored</i>	<i>Comments</i>
Lubricant	Several cases/ramp area	Under cover
Hydraulic fluid	Several cases/ramp area	Under cover
Engine oil	Several cases/ramp area	Under cover
Wash soap	Several totes/hangar wash racks	Under cover
Isopropyl alcohol	Several small containers/inside hangar	
Mineral spirits	Several small containers/inside hangar	
Paint with methyl ethyl ketone and toluene	Several small containers/inside hangar	
Denatured alcohol	Several small containers/inside hangar	
Acetone	Several small containers/inside hangar	
Degreaser	Several drum/outdoor storage unit	Under cover
Engine wash	Several drums/outdoor storage unit	Under cover
Aircraft wax	Several drums/outdoor storage unit	Under cover
Floor cleaner	1 drum/outdoor storage unit	Under cover
Carpet cleaner	1 drum/outdoor storage unit	Under cover
AFFF	1850 gal/indoors	
Used oil	500 gal double-walled AST	Disposed of by contractor
Used oil	250 gal double-walled AST	Disposed of by contractor
Propylene glycol	500 gal and three 6,000 gal ASTs	In secondary containment or double-walled
Transmission fluid	750 gal double-walled AST	Stored indoors



**TEXAS COMMISSION ON ENVIRONMENTAL QUALITY**  
Texas Pollutant Discharge Elimination System  
Storm Water Multi-Sector General Permit

The Notice of Intent (NOI) for the facility listed below was received on November 16, 2006. The intent to discharge storm water associated with industrial activity under the terms and conditions imposed by the Texas Pollutant Discharge Elimination System (TPDES) storm water multi-sector general permit TXR050000 is acknowledged. Your facility's TPDES multi-sector storm water general permit number is:

**TXR05U833**

Coverage Effective: November 09, 2006

TCEQ's storm water multi-sector general permit requires certain storm water pollution prevention and control measures, possible monitoring and reporting, and periodic inspections. Among the conditions and requirements of this permit, you must have prepared and implemented a storm water pollution prevention plan (SWP3) that is tailored to your industrial site. As a facility authorized to discharge under the storm water multi-sector general permit, all terms and conditions must be complied with to maintain coverage and avoid possible penalties.

PROJECT/SITE:  
SOUTHWEST AIRLINES DAL  
DALLAS County  
2702 LOVE FIELD DR  
DALLAS, TX 75235-1908

OPERATOR:  
SOUTHWEST AIRLINES CO  
PO BOX 36611  
DALLAS, TX 75235-1611

This permit expires on August 14, 2011, unless otherwise amended. For additional information, see the TCEQ web site at [www.tceq.state.tx.us](http://www.tceq.state.tx.us) or contact the Storm Water Processing Center by email at [swpermit@tceq.state.tx.us](mailto:swpermit@tceq.state.tx.us) or by telephone at (512) 239-3700. A copy of this document should be kept with your SWP3.

Issued Date: 4/30/2007

A handwritten signature in black ink, appearing to read "D. M. ...", positioned above a horizontal line.

FOR THE COMMISSION



April 4, 2008

Executive Director  
Texas Commission on Environmental Quality  
Water Quality Program, MC-148  
P.O. Box 13087  
Austin, TX 78711-3087

RE: TPDES Storm Water General Permit No. TXR05U833  
Delegating an Authorized Representative

Dear Executive Director:

This letter serves to designate either a person or a specifically described position as an authorized person for signing reports, storm water pollution prevention plans, certifications or other information requested by the Director or required by the permit. This authorization cannot be used for signing a TPDES permit application (e.g. Notice of Intent (NOI)) in accordance with 30TAC 305.44. The following person or position is hereby authorized to sign reports, plans or certifications other than the NOI application:

Position/Name	Sr. Environmental Specialist
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By signing this authorization, I confirm that I meet the following requirements to make such a designation as set forth in either Part III.A.3.(c) of the Texas Multi-Sector general permit or Part III.E.3.(g) of the Texas Multi-Sector general permit.

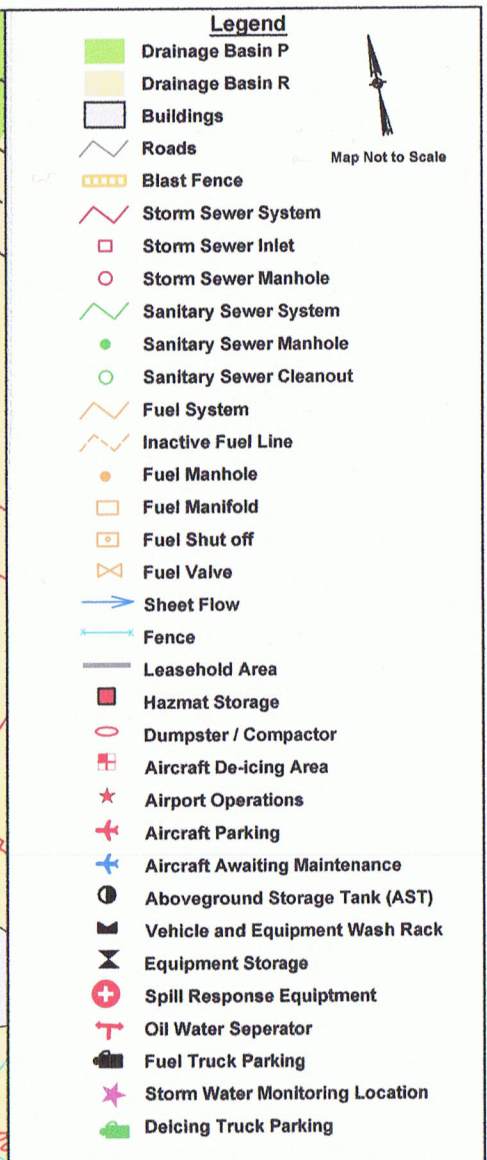
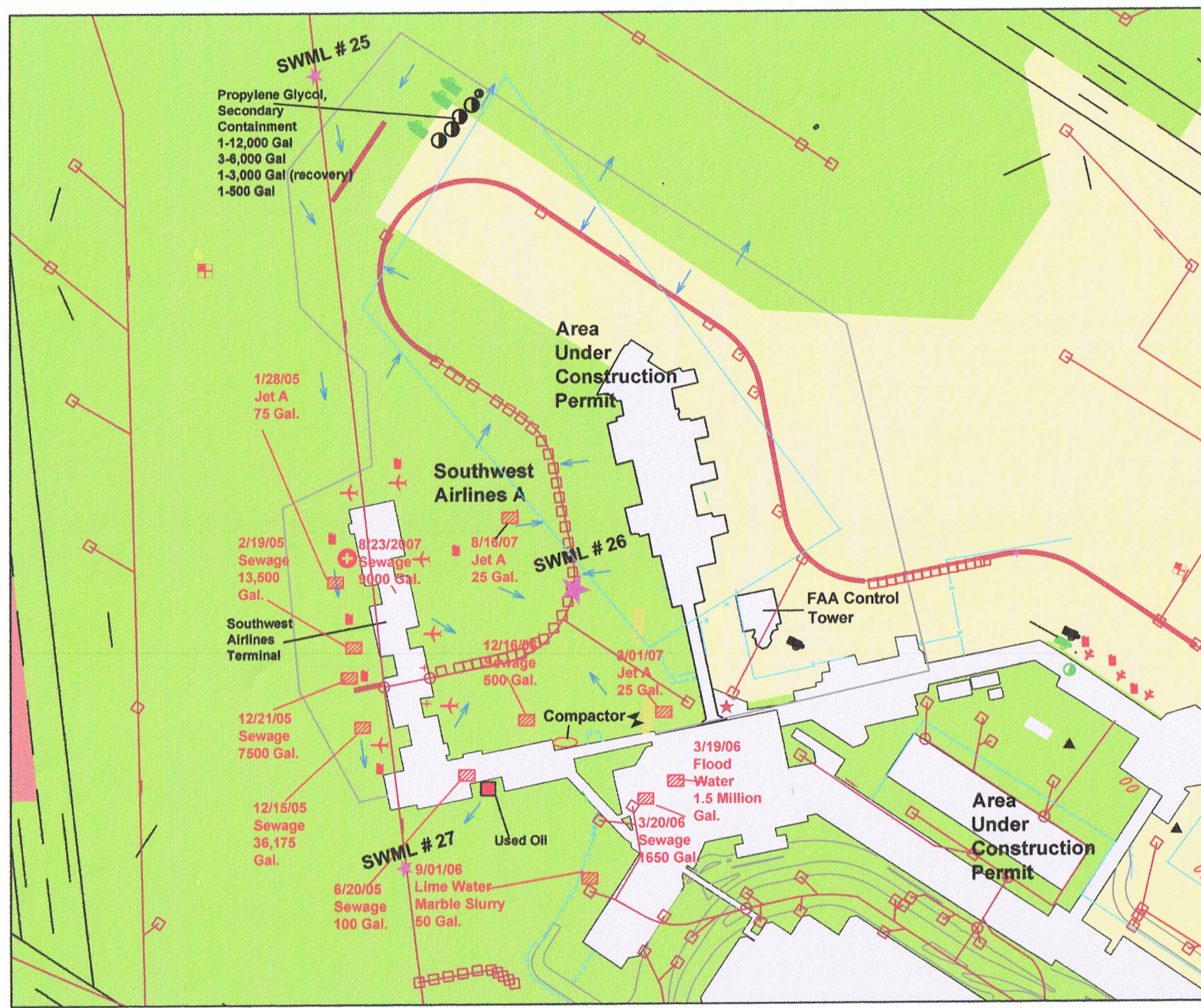
For a municipality, state, federal, or other public agency, the application shall be signed by either a principal executive officer or a ranking elected official. For purposes of this paragraph, a principal executive officer of a federal agency includes the chief executive officer of the agency, or a senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency (e.g., regional administrator of the EPA).

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Name: Barry Brown

Vice President of Safety & Security  
Title

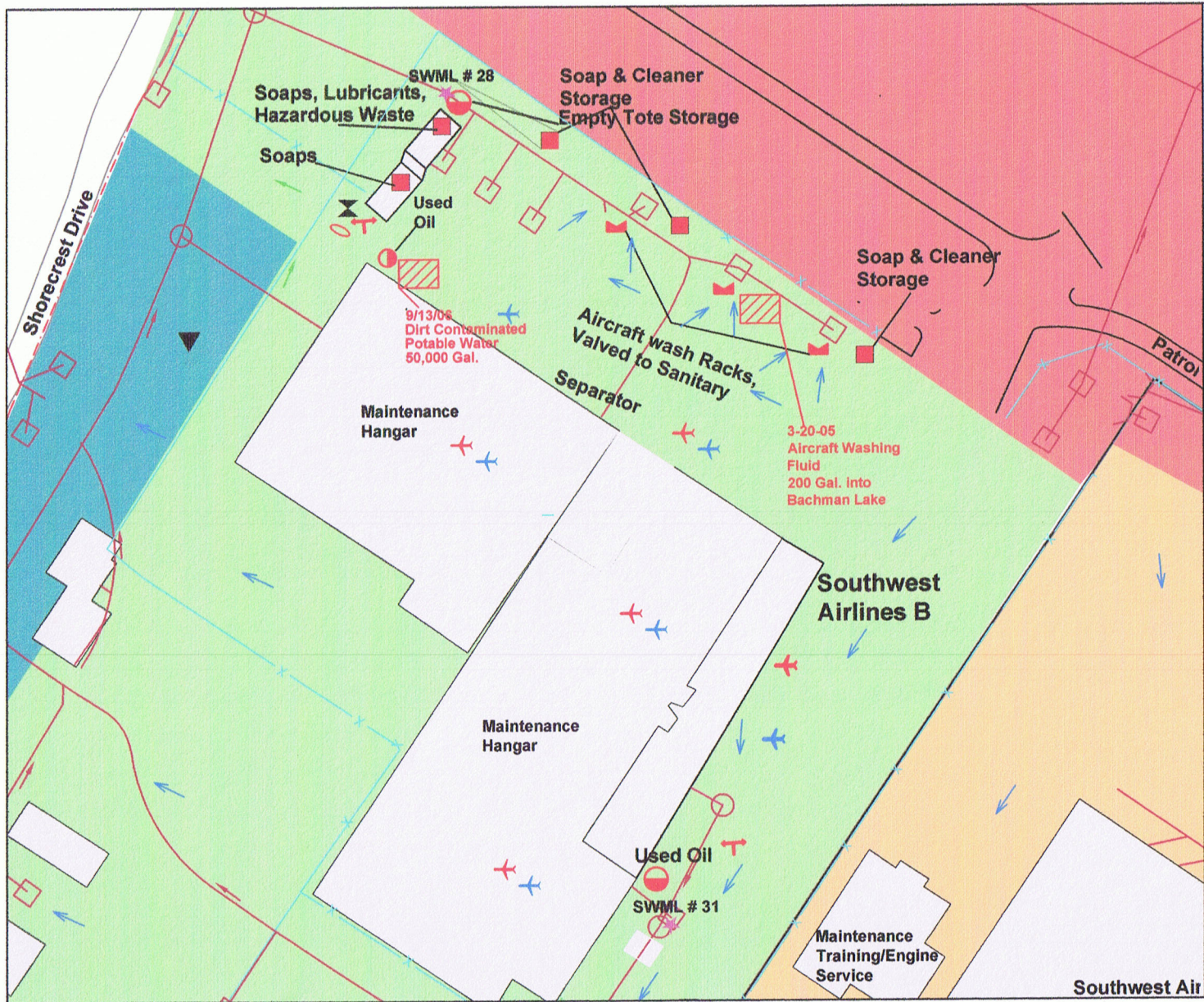
4-4-08  
Date



**SWPPP Love Field Airport**

**Site Map Southwest Airlines A**

Figure 24a	April 2010	Sheet 1 of 2
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**Legend**

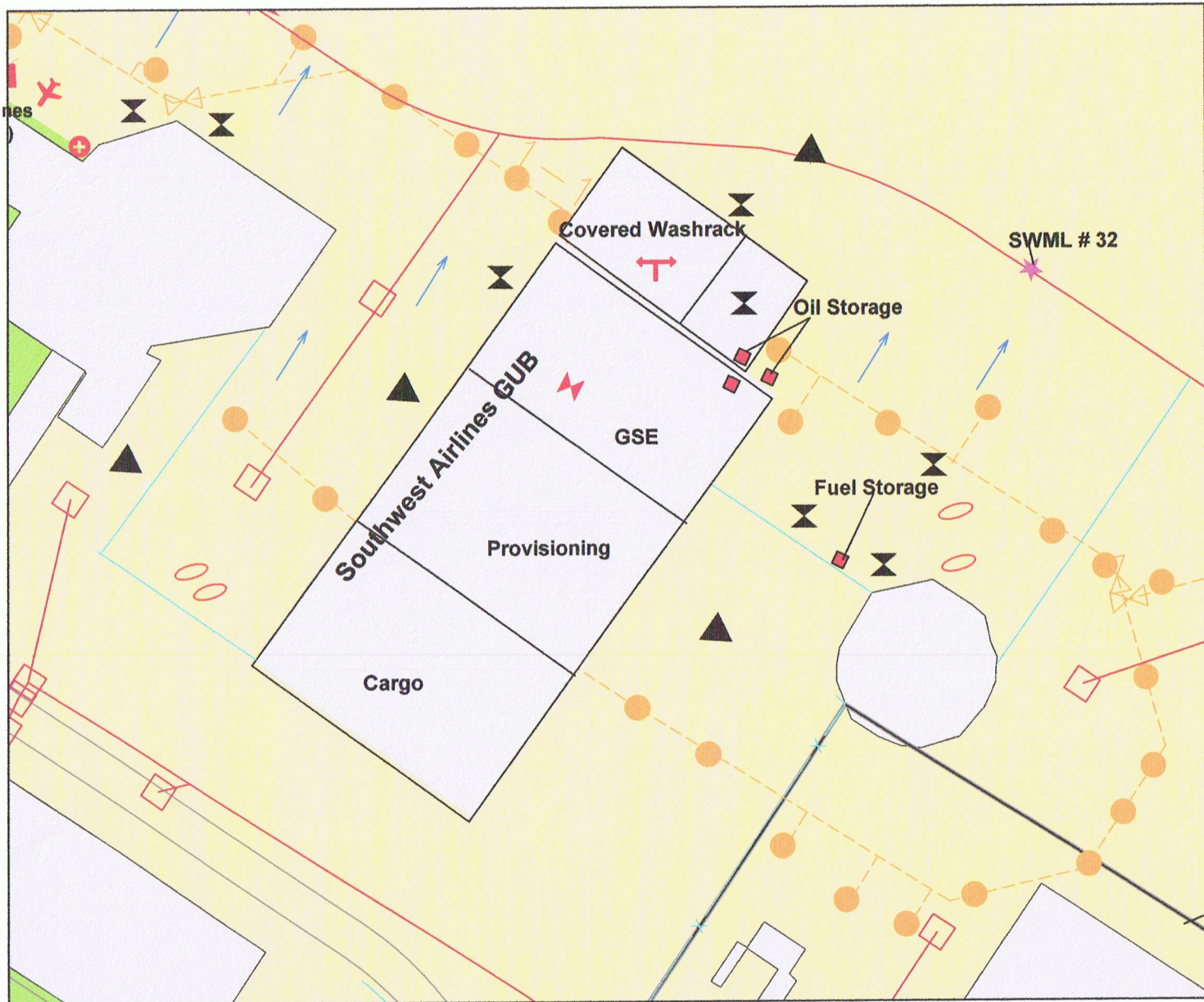
- Drainage Basin J
- Drainage Basin K
- Drainage Basin L
- Drainage Basin M
- Drainage Basin N
- Drainage Basin O
- Buildings
- Airport Property Line
- Roads
- Storm Sewer System
- Storm Sewer Inlet
- Storm Sewer Manhole
- Sanitary Sewer System
- Sanitary Sewer Manhole
- Sanitary Sewer Cleanout
- Sheet Flow
- Fence
- Leasehold Area
- Parking
- Hazmat Storage
- Aircraft Wash Rack
- Equipment Storage
- Aircraft Parking
- Aircraft Awaiting Maintenance
- Scrap Materials/Waste Area
- Equipment Wash Rack
- Oil/Water Separator
- Dumpster
- Storm Water Monitoring Location



**SWPPP**  
**Love Field Airport**

**Site Map**  
Southwest Airlines B

Figure 24b	April 2010	Sheet 2 of 2
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**Legend**

- Drainage Basin P
- Drainage Basin R
- Buildings
- Storm Sewer System
- Storm Sewer Inlet
- Storm Sewer Manhole
- Sanitary Sewer System
- Sanitary Sewer Manhole
- Sanitary Sewer Cleanout
- Inactive Fuel Line
- Fuel Manhole
- Fuel Valve
- Sheet Flow
- Fence
- Hazmat Storage
- Aircraft Fueling/Defueling Area
- Aircraft Parking/Fueling
- Aircraft Awaiting Maintenance
- Equipment Storage
- Vehicle and Equipment Maintenance
- Scrap Materials/Waste Area
- Spill Response Equipment
- Fuel truck Parking
- Aircraft Deicing Area
- Deicing Fluid Storage
- Dumpster
- Storm Water Monitoring Location
- Parking
- Oil Water Separator

Map Not To Scale

**SWPPP**  
**Love Field Airport**  
**Site Map**  
Southwest Airlines GUB C

Figure 12	April 2010	Sheet 1 of 1
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