

SUSMP Case Study #3

City of Los Angeles, Fire Facilities Bond Program

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**City of Los Angeles
SUSMP Developers/
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Fire Bond Program

 Proposition F approved in November 2000

 \$378.5 million to repair, replace, and/or expand fire facilities

 Bureau of Engineering teamed with LAFD

 2 expansions

 9 standard fire stations

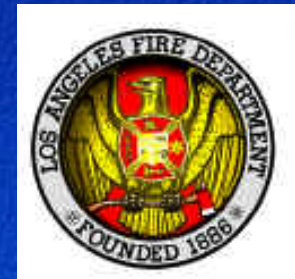
 6 regional fire stations

 1 recruit training facility

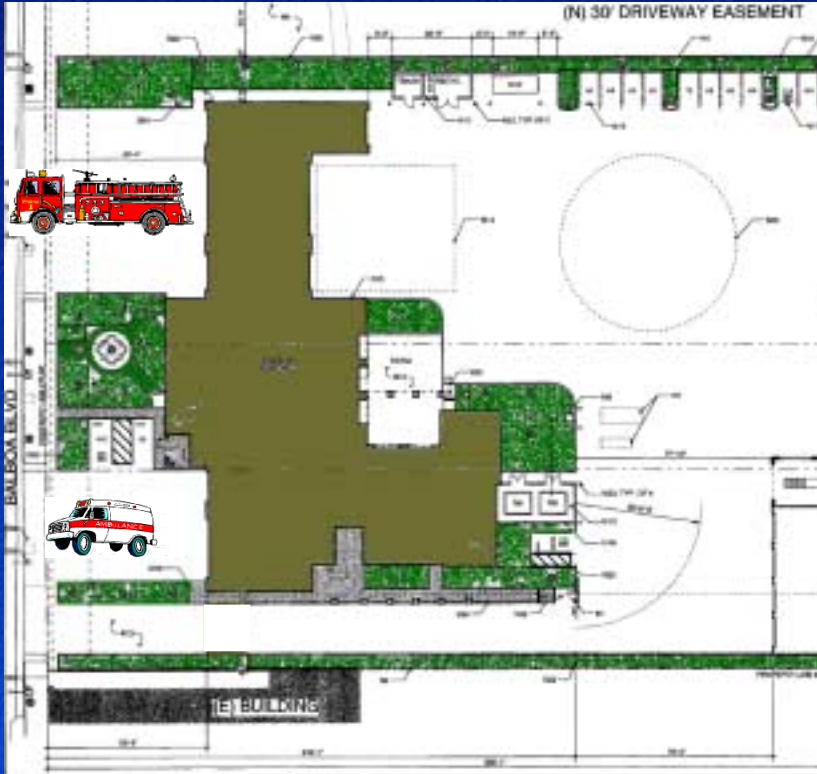
 1 satellite station

 Van Nuys Air Operations

 Special Fire Facilities



New Fire Facilities



Site Plan for Typical Mid-Block Fire Station



Standard



Approx. 1 acre site



Trucks and Engines
Drive-Thru



Ambulance Reverse-In



Regional



Standard Plus



Approx. 2 acre site



Large Training Yard



Covered Maintenance Pit



Recruit Training Center



Regional Plus



Drill Tower



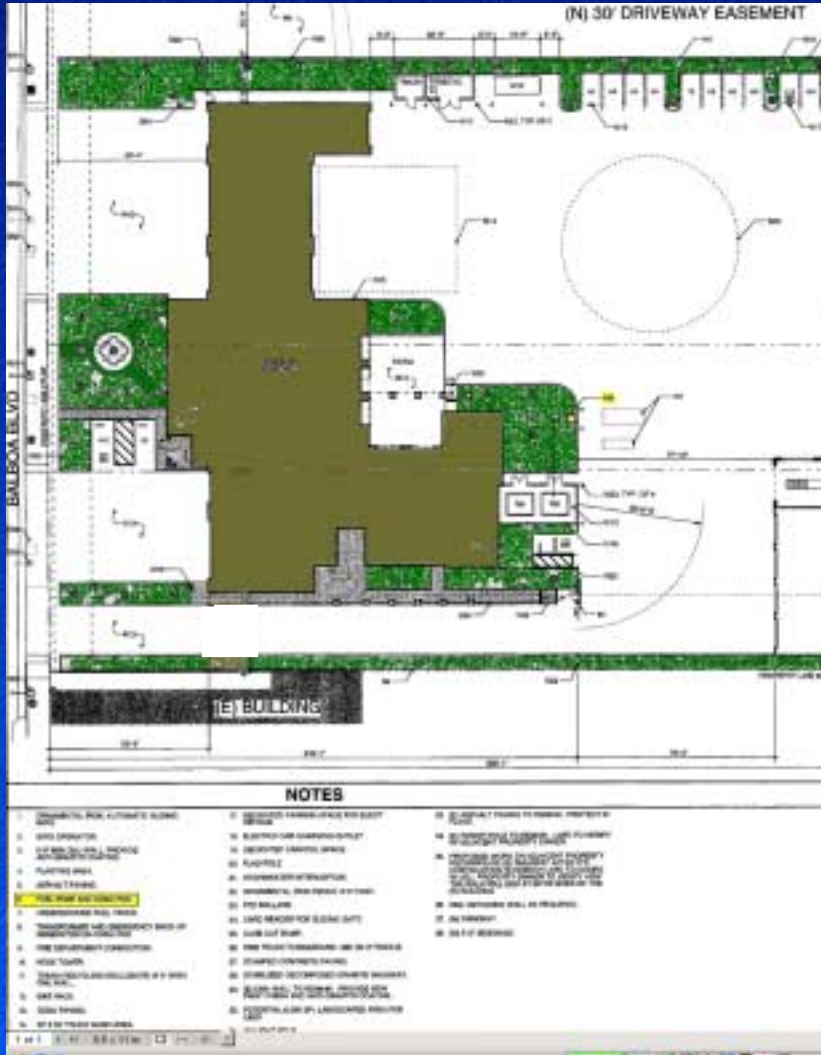
Live Fire Simulations

Stormwater Post-Construction BMPs

“Prop F” Fire Stations fall into one or more of these three new development categories requiring post-construction BMPs:

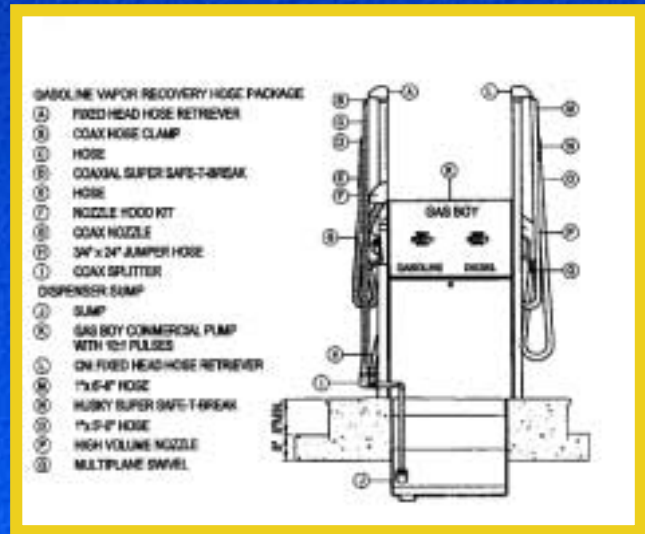
- **Site Specific Activities**
 - **Vehicle or Equipment Fueling**
 - **Vehicle or Equipment Washing**
- **25 or more parking spaces**
- **>1 acre Impervious Surface**

Site Specific BMPs

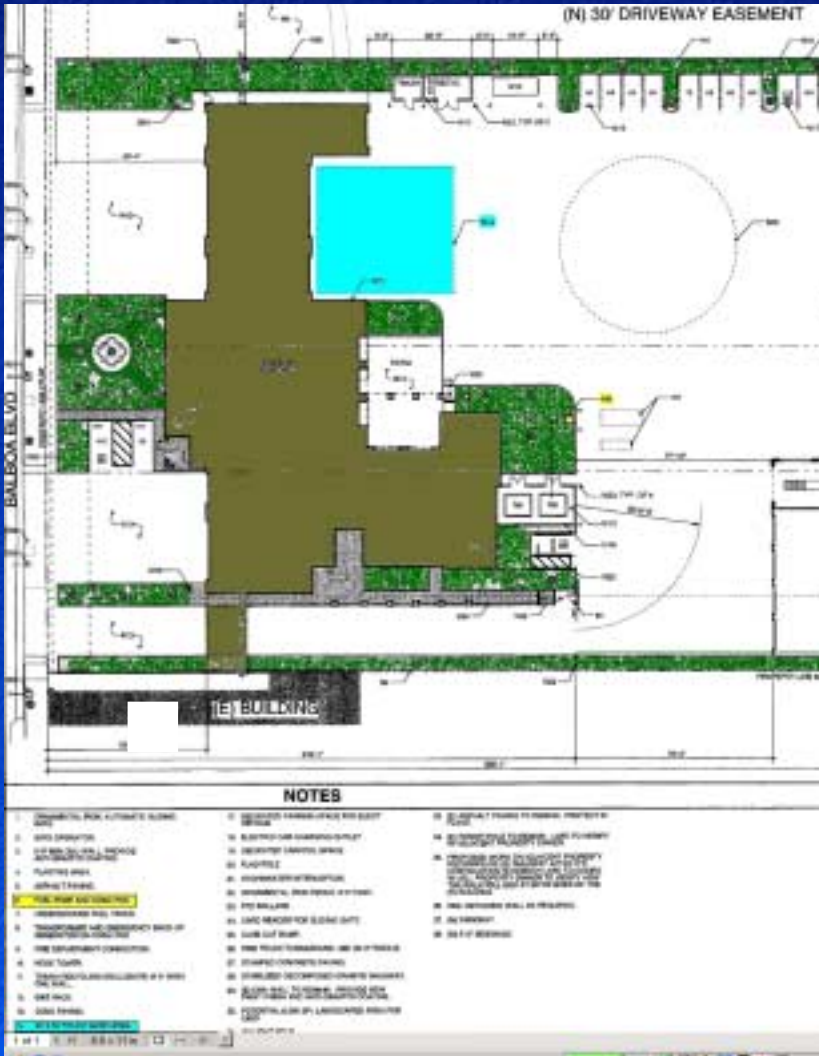


Fuel Pump

- Good Housekeeping Measures
- Vegetated Areas
- Elevated Concrete Pad

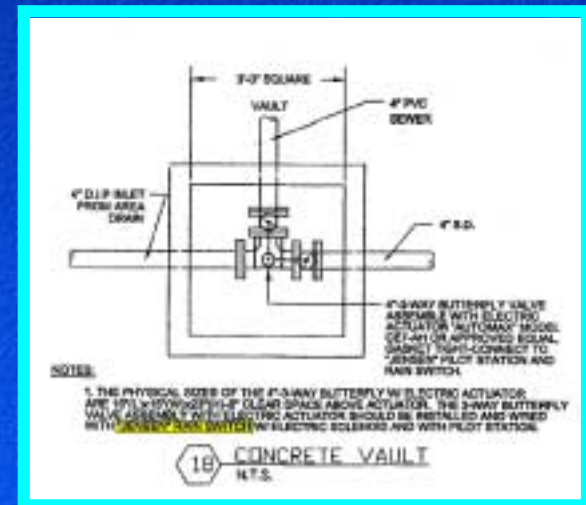


Site Specific BMPs



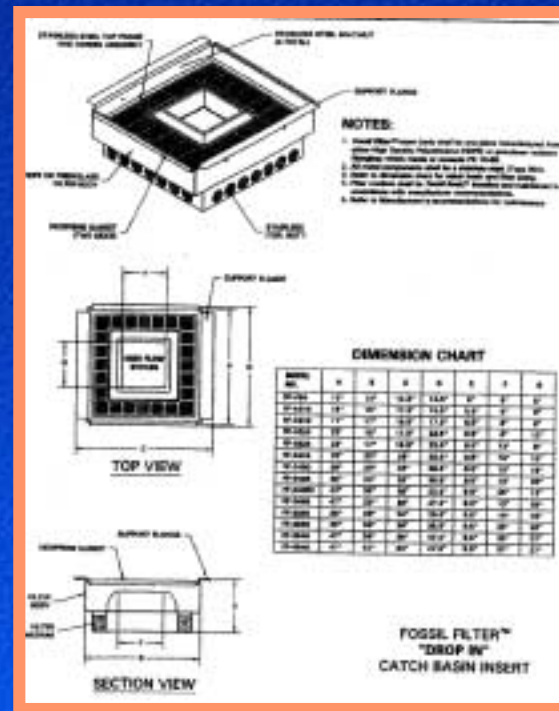
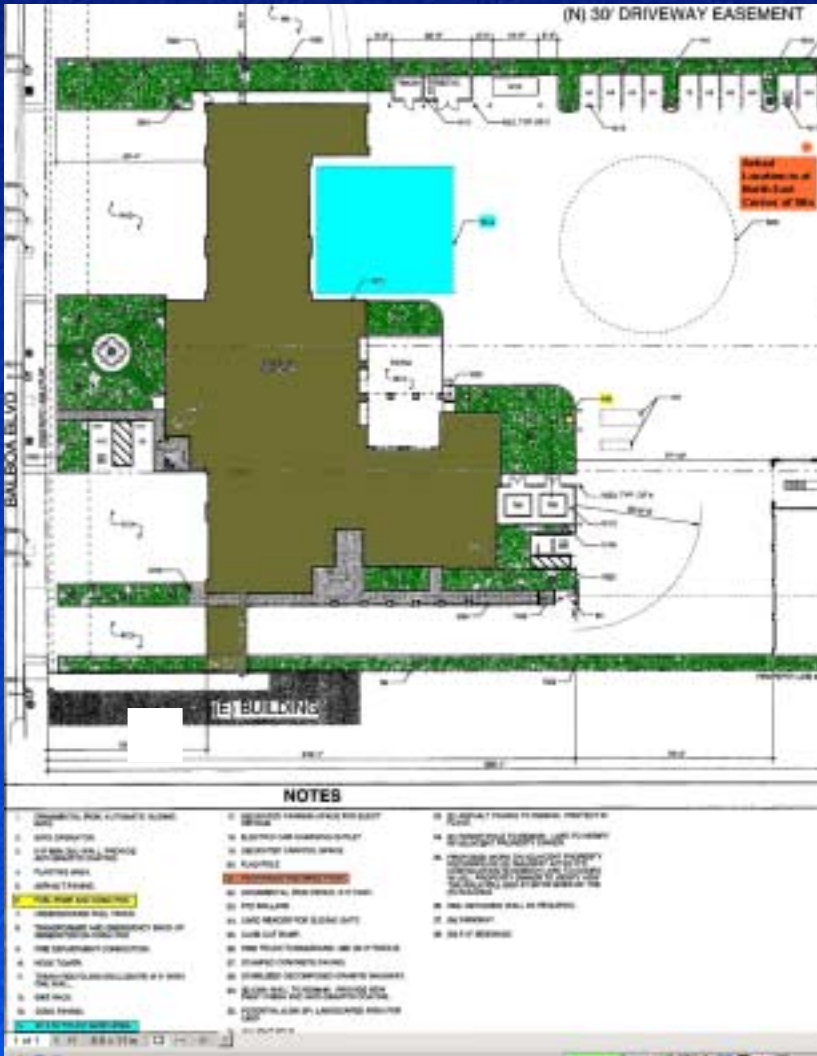
Truck Wash

- Designated Area
- Drains to Clarifier
- Rain Water Diverter Switch with Signage



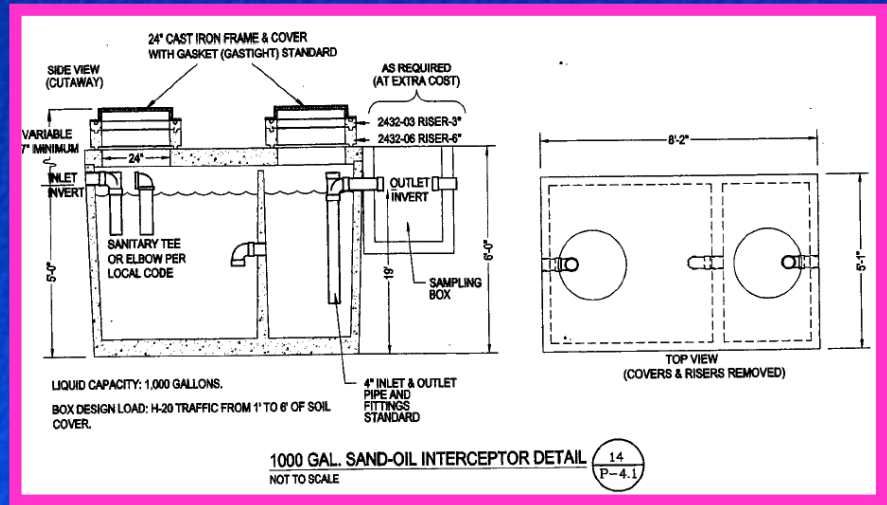
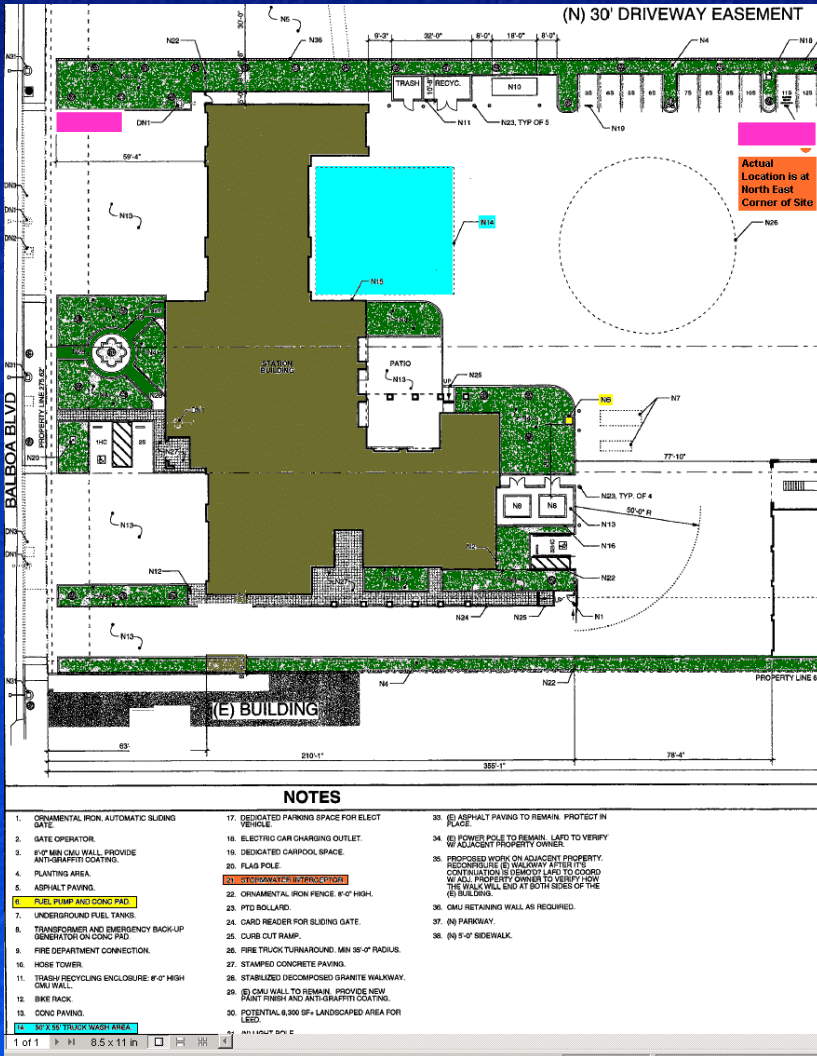
Parking Area BMPs

- Stenciling
- Catch Basin Inserts
- Trench Drain Inserts



Impervious Surface BMPs

Stormwater Interceptor Detention and Treatment



Special BMPs

- **Infiltration Devices**
 - Detention Basin
 - Dry Well

- **Recycled Water**

Related Post-Development Practices

- **Leadership in Energy and Environmental Design (LEED)**
 - **All Prop F designed for Certified Level**
 - **Some pursuing Sustainable Site Credit 6 “Stormwater Management”**
 - **Some pursuing Water Efficiency Credit 1 by using reclaimed wastewater**