

San Francisco – Oakland Bay Bridge
Tow Service Building / Fuel Station
Pre-bid Construction Meeting
January 7, 2010



Project Site



Aerial View From South

Caltrans Office of Transportation Architecture, Architecture Branch #3

SFOBB Toll Plaza Area

**Administration
Building**

**Year Built: 1935
Gross S.F.:
34,200**

East Bay Warehouse

**Year Built: 1938
Gross S.F.: 24,600**

**Tow Service/Electrical/
Equipment Shop**

**Year Built: 1935
Gross S.F. : 20,500**

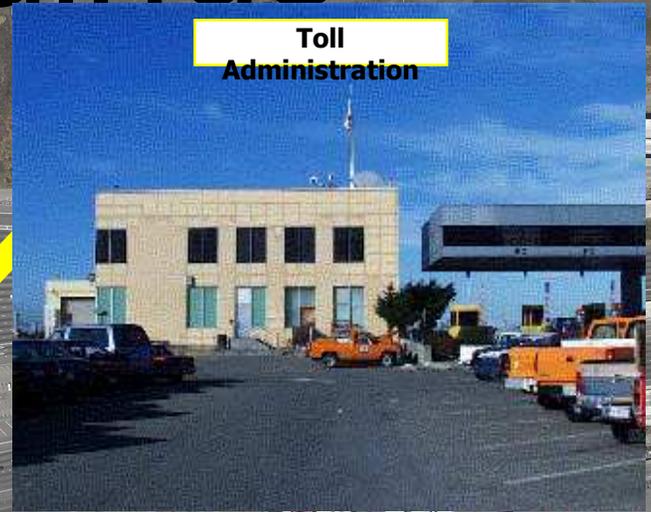




Existing Buildings



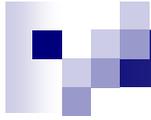
Toll Administration



Maintenance and Equipment Subshop



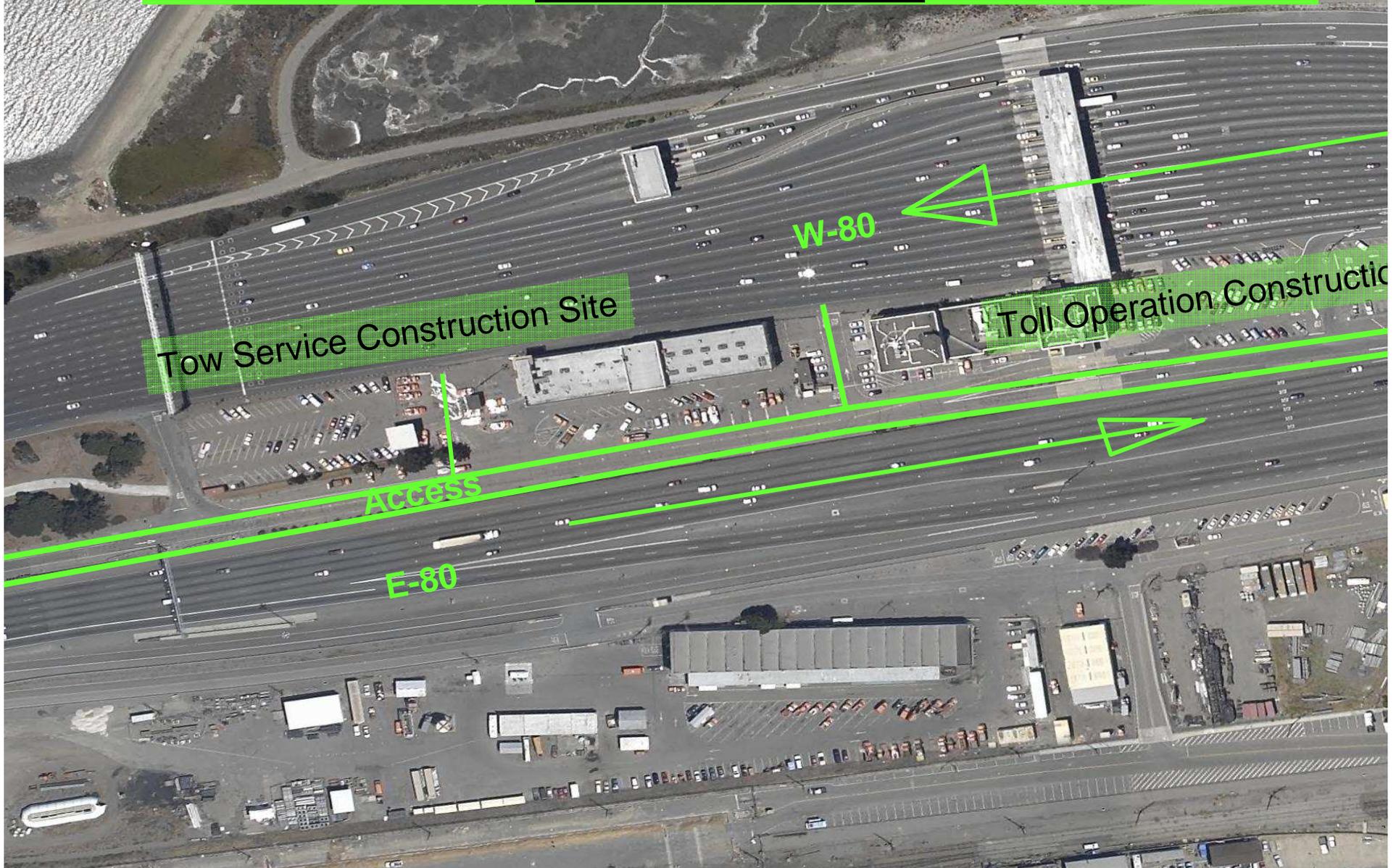
IERBYS Warehouse



Project Purpose & Need Statement

The scope is to improve the seismic, architecture and operation of the maintenance buildings

SFOBB Tow Service Building & Fuel Station



Tow Service Construction Site

Toll Operation Construction

W-80

ACCESS

E-80

Tow Services Building

Function:

- Respond to dispatcher calls.
- Operates 27 Tow Truck
- Work 24/7
- Provides minor mechanic services
- 11 Supervisors and Lead workers
- 27 Tow truck Operators
- Accommodate 38 staff
- Building Contains:
 - Ready Room > Lockers
 - Rest Rooms > Break room



Currently Located in the Median

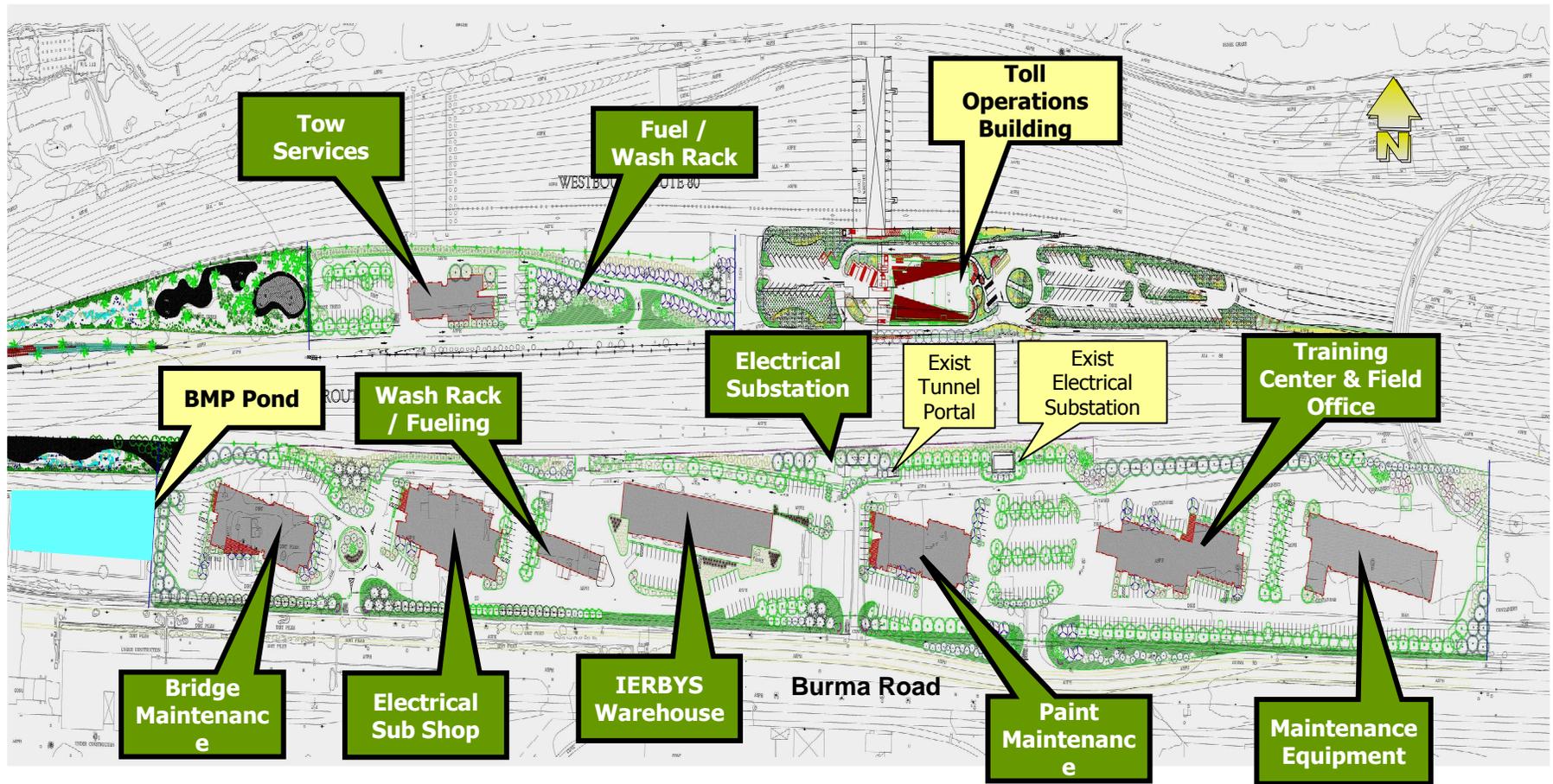


SFOBB Tow Services Building

Westbound Perspective View



Proposed Site Features



Maintenance Sub-Shop Building



Replacement of the Tow Service Building and Fuel Station



Current Tow Services



Current Fuel Station

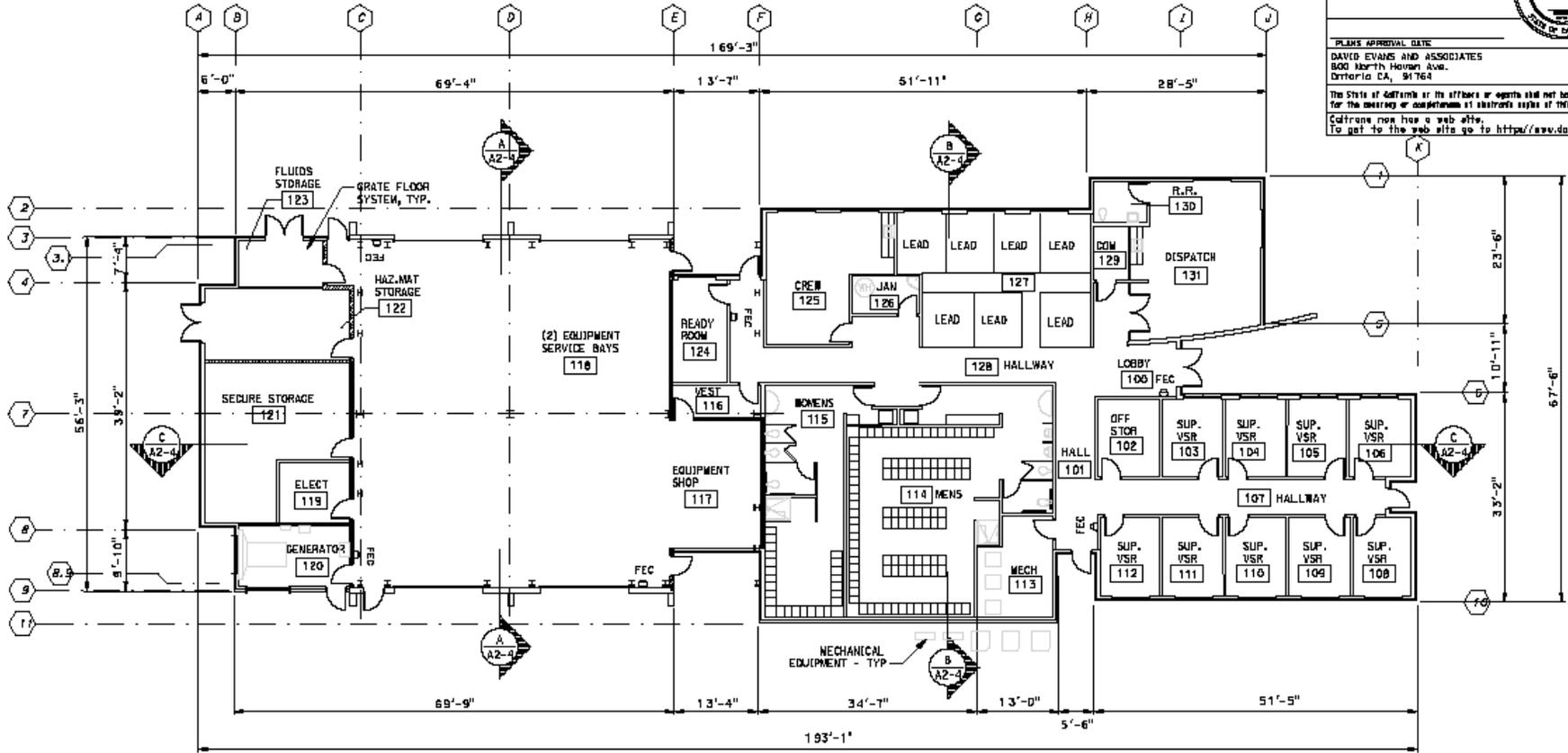


CITY	COUNTY	ROUTE	POST MILE TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
4	Alc	80			

REGISTERED ARCHITECT	
PLANS APPROVAL DATE	

DAVID EVANS AND ASSOCIATES
800 North Haven Ave.
Orinda CA, 94764

The State of California or its officers or agents shall not be responsible for the accuracy or completeness of information supplied on this plan sheet. Callframe now has a web site. To get to the web site go to <http://www.dot.ca.gov>



FLOOR PLAN
SCALE 1/8" = 1'-0"
PLAN NORTH

PRELIMINARY - NOT FOR CONSTRUCTION

DESIGNED BY DAVID STON	CHECKED BY DAVID AGNEW	DATE 01/11/05	PREPARED FOR THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	PROJECT NO. CU D4-D14DD	PROJECT NAME SFOBB MAINTENANCE COMPLEX FLOOR PLAN	SHEET NO. A2-1
SCALE: ALL DIMENSIONS ARE IN FEET AND INCHES UNLESS OTHERWISE NOTED.		ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	DESIGN DETAIL SHEET (ENGLISH) (REV. 2/23/03)		REVISIONS		

INSULATION SCHEDULE

LOCATION & TYPE	THICKNESS OR R-VALUE
AT ROOF DECK (MINIMUM 2" RIGID ROOFING ABOVE)	R-30 (5" MIN)
RIGID ROOF INSULATION	R-30 (5" MIN)
AT WALL LOCATIONS	R-19
BATT INSULATION	R-19

ARCHITECTURE REVIEW APPROVAL STAMP
 04-014881
 MTRIT - D
 Issued by: [Signature]
 Date: 07-15-09

CALIFORNIA STATE FIRE MARSHAL
 APPROVAL
 Approved by: [Signature]
 Date: 07-15-09

DEPT.	COUNTY	ROUTE	TOWNSHIP	SECTION	AREA
04	Alameda	80			LS

DATE: 7/1/09
 DATE: [Signature]
 DATE: [Signature]

PLANS APPROVAL DATE: [Signature]
 DATE: [Signature]

HAZ. Storage

Equipment
Storage & Light
Service

R.R. & Locker Rooms

Office

Storage &
Support Area

FLOOR PLAN
 SCALE 1/8" = 1'-0"

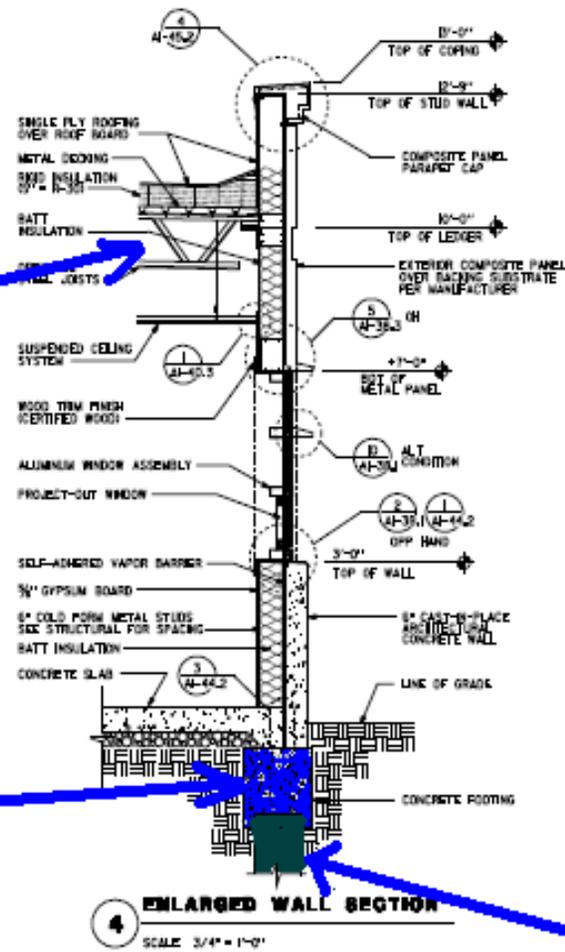
DESIGNER: F. THOMAS	DATE: 07-15-09	PROJECT NO.: 33M5785	PROJECT NAME: TOW SERVICE BUILDING	PROJECT TITLE: FLOOR PLAN	PROJECT NO.: A1-1
ESTIMATOR: F. THOMAS	DATE: 07-15-09	SCALE: 1/8"	DESIGNER: F. THOMAS	DATE: 07-15-09	PROJECT NO.: A1-1
QUANTIFIER: F. THOMAS	DATE: 07-15-09	SCALE: 1/8"	DESIGNER: F. THOMAS	DATE: 07-15-09	PROJECT NO.: A1-1

TYP. Wall Section

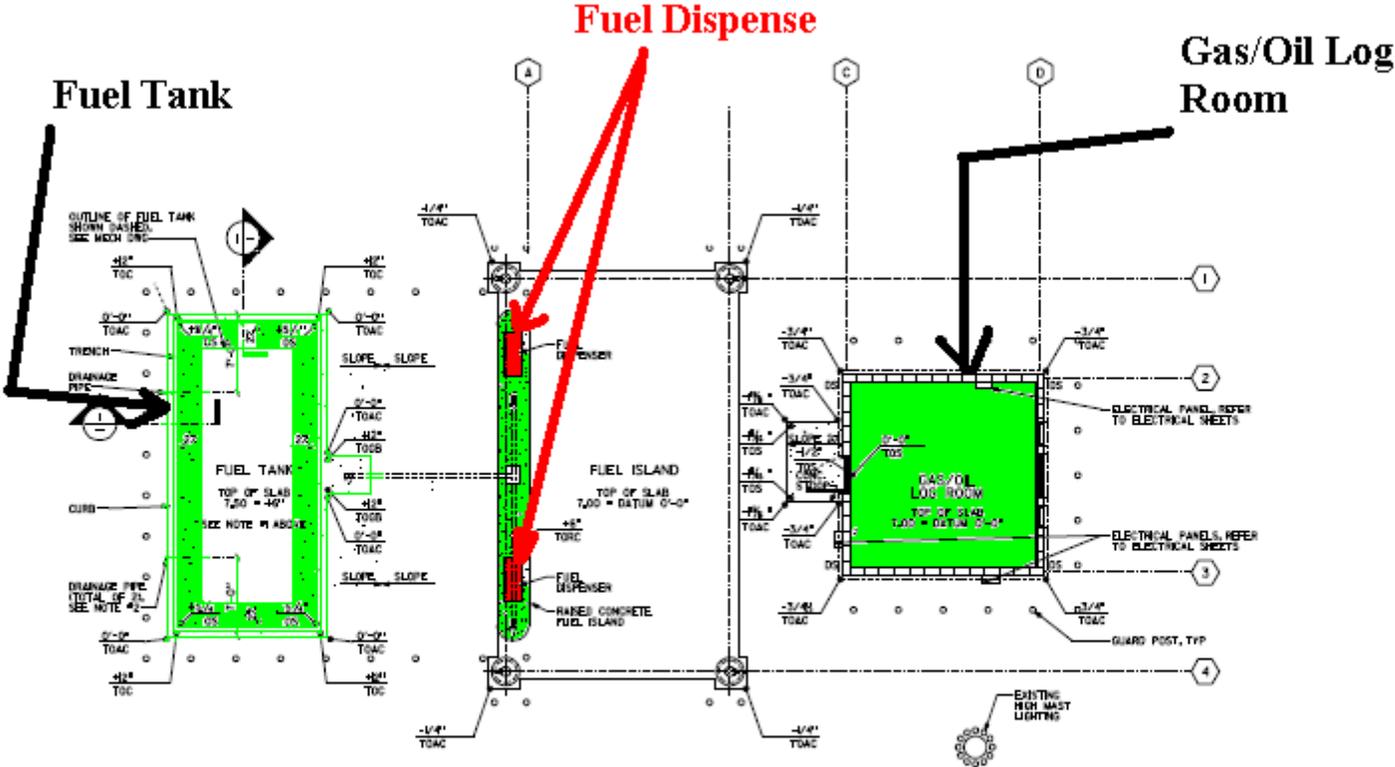
Open Web Steel Joist

Concrete Footing

Piles

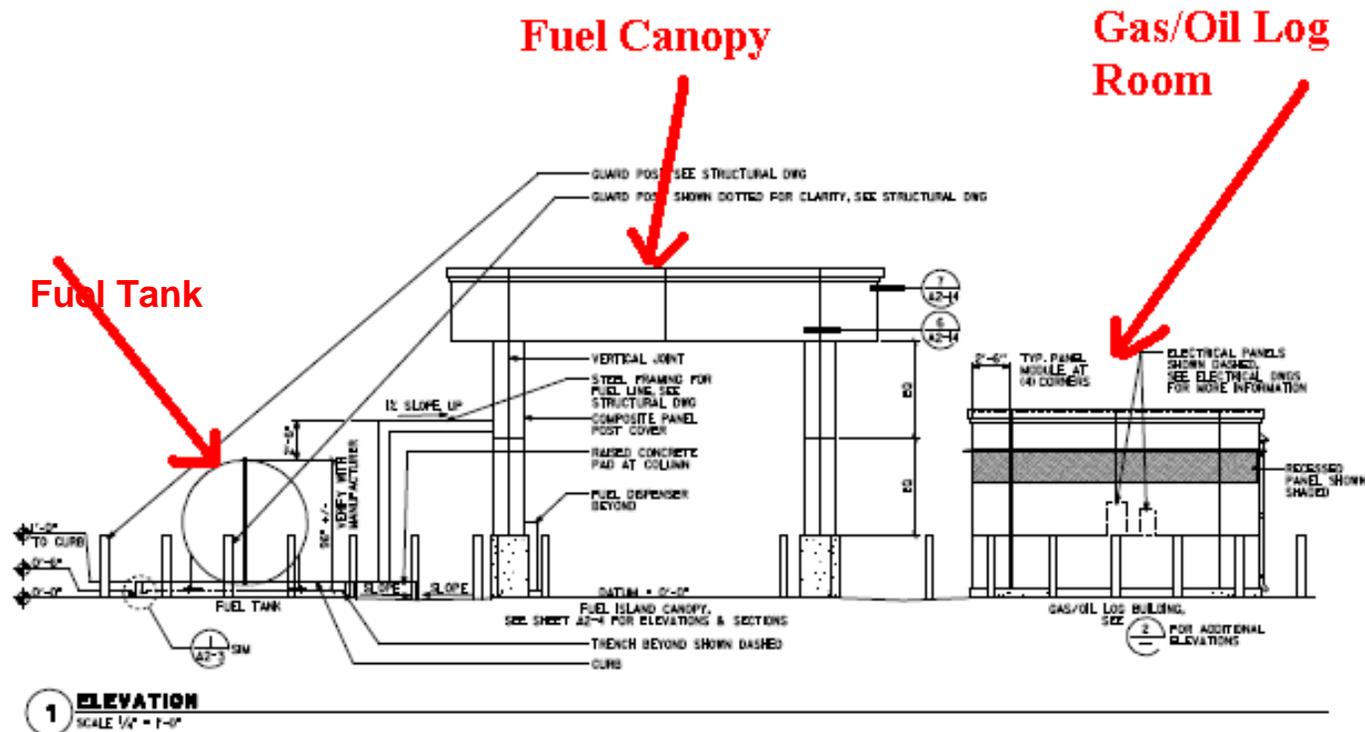


Fuel Station Site Plan



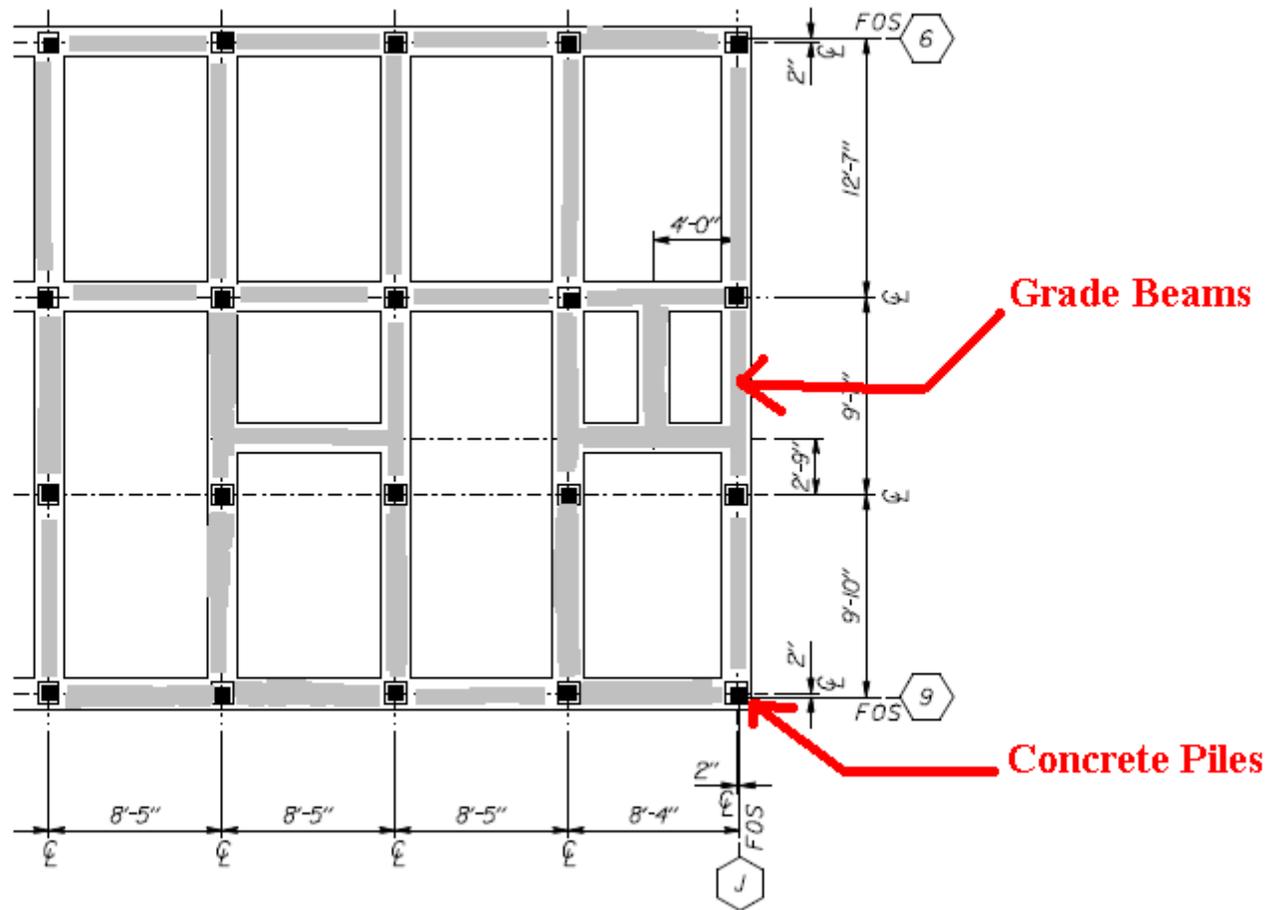
"Fuel Station Site Plan"

Section & Elevation of Fuel Island

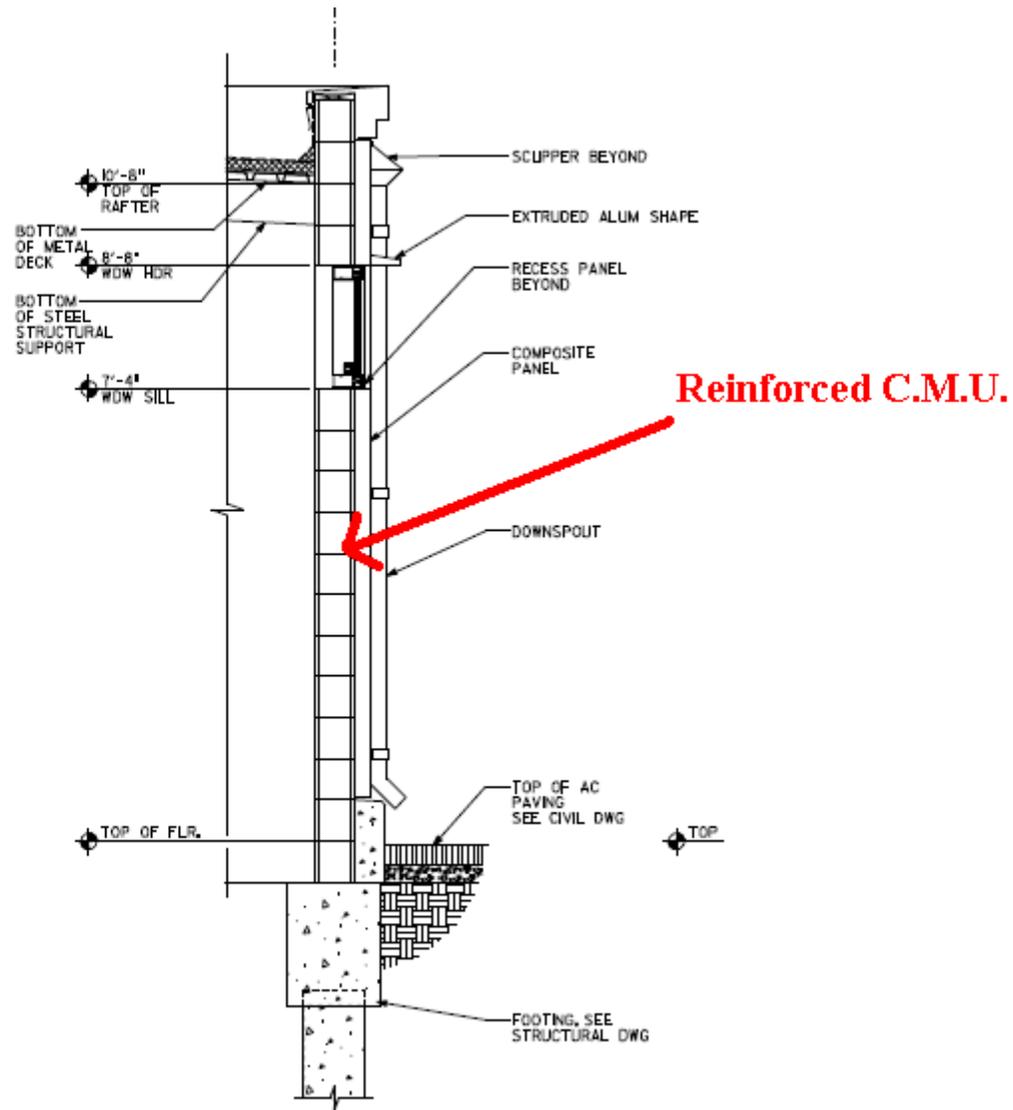


Section and Elevation of Fuel Island

Pile Footing Partial Layout



Wall Section of Fuel Log Room



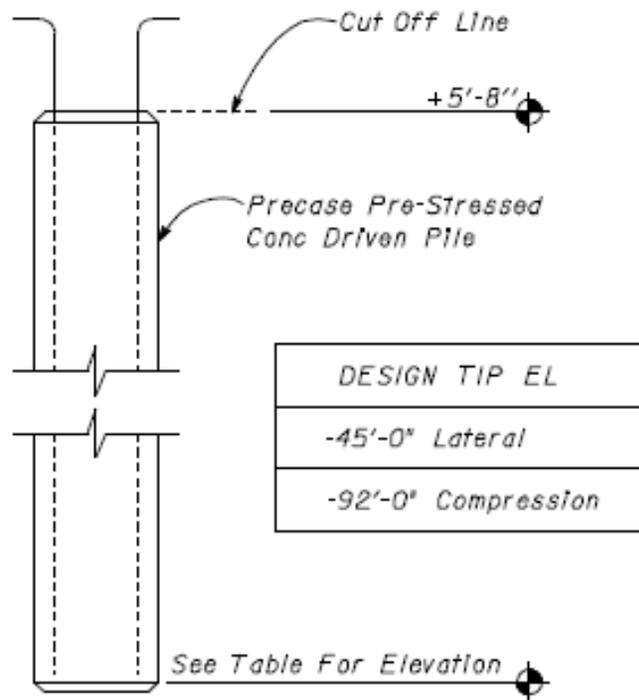
Reinforced C.M.U.

2 WALL SECTION

SCALE 3/4" = 1'-0"

1

Concrete Pile



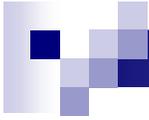
Note:
Refer to 2006 Standard Plan
Page B2-5 Pile Class 90
Alternative 'X' For More Info

B CONCRETE PILE
No Scale



Scope

- Construction of Tow Service Building
 - Grading and excavation
 - Pile Driving / Foundation
 - Structural Steel Frame / Open Web Steel Joist
 - Metal Stud infill
 - Insulation
 - Dry Wall / Fiberglass Faced Dry Wall
 - Composite Aluminum Panels
 - Aluminum Window System, Glazing and doors
 - Roofing System
 - Interior Finishes and Cabinetry
 - M.E.P. (Mechanical, Electrical, Plumbing) / I.T.
 - Fire Sprinkler and Security Systems
 - Flatwork



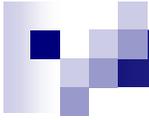
Eastbound Perspective View



SFOBB Tow Services Building

Eastbound Perspective View





Westbound Perspective View



SFOBB Tow Services Building

Westbound Perspective View





Schedule

- Advertise (ADV): 12/14/2009
- Bid Opening (BO): 1/21/2010
- Award (AWD): 2/18/2010
- Begin Construction (BC): 3/4/2010
- Approximate Duration: 337 Days

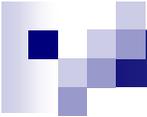


Cost

- Estimated Cost is between \$6 to \$10 million.

Approximate Roadway Estimate

- Water Pollution Control & Erosion Control \$160,000
- Traffic Control and Signing \$150,000
- Traffic Stripe \$ 50,000
- Drainage Work \$ 40,000
- Metal Beam Guard Railing \$ 20,000
- Hot Mix Asphalt - Parking lot paving \$ 250,000
- Parking lot Lighting \$ 30,000



Approximate Building Estimate

• Foundation Improvements	\$ 200,000
• Columns and Bracing	\$ 50,000
• Floor Structure	\$ 200,000
• Exterior Cladding	\$ 500,000
• Interior Partitions	\$ 130,000
• Finishes	\$ 130,000
• Equipment and accessories	\$ 40,000
• Stairs	\$ 25,000
• Elevator	\$ 100,000
• Plumbing	\$ 40,000
• HVAC	\$ 280,000
• Electrical	\$ 270,000
• Fire Protection	\$ 25,000



Site Coordination

- Heavy Equipment / Major Delivery Access.
- Caltrans Maintenance / Tow Service Operation
- Other on-going contracts :
 - Construction of SFOBB Toll Operations
 - Bay Bridge Touchdown
 - Other Bay Bridge contract

HOV Lane



HOV Hours :

5:00 – 10:00 AM

3:00 - 7:00 PM