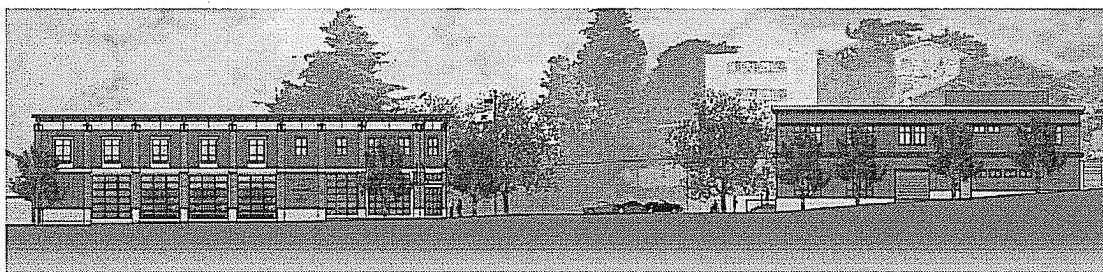


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**City of Sausalito Public Safety Facilities**  
Police Station 29 Caledonia Street  
Fire Station 333 Johnson Street  
Sausalito, CA

**Monthly Report**  
**No. 5 April 2009**



**Rendering of the new Buildings**



**Previous Fire Station and Police Station**



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**City of Sausalito Public Safety Facilities**  
Police Station 29 Caledonia Street  
Fire Station 333 Johnson Street  
Sausalito, CA

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  - 1.1 Project Description
  - 1.2 Project Team
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- 3 Key Project Issues**
- 4. Project Schedule**
  - 4.1 Critical path Schedule
- 5. Construction Contract and Budget**
- 6. Progress Photos**



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## **City of Sausalito Public Safety Facilities**

**Police Station 29 Caledonia Street  
Fire Station 333 Johnson Street  
Sausalito, CA**

### **1 PROJECT DATA**

#### **1.1 Project Description**

The Project is the Design and Construction of the Public Safety Facilities for the City of Sausalito. These Facilities are the Police and Fire Stations. These will be two separate buildings on two separate sites. The Police station will be located at 29 Caledonia St. and the Fire Station will be located at 333 Johnson St. The approximate square footage of the new fire station has been revised to 11,703 S.F. and the new police station revised to 8,371 S.F. Construction is scheduled to begin in October 2008. Current projection for completion is 14 months.

#### **1.2 Project Team**

**Owner**

City of Sausalito  
Sausalito City Council  
Adam Politzer, City Manager  
Jonathon Goldman, Director of Public Works

**Architect**

Glass Architects  
Eric Glass, Principal

**Construction Manager**

Swinerton Management & Consulting  
John Baker, Project Executive  
Loren Umbertis, Project Manager

**General Contractor**

Alten Construction  
Bob Alten, President  
Andrew Nortz, Project Manager  
Paul Fitzgerald, Superintendent

**Civil Engineer - Survey**

BKF Engineers

**Geotechnical Engineers**

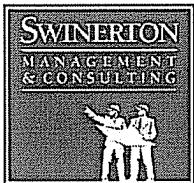
Consolidated Engineering

**Environmental Engineer**

GPI Environmental Management

**Initial Study/Mitigated Negative Declaration**

Pacific Municipal Consultants



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## **City of Sausalito Public Safety Facilities**

**Police Station 29 Caledonia Street  
Fire Station 333 Johnson Street  
Sausalito, CA**

### **2 EXECUTIVE SUMMARY**

Notice to Proceed was issued to Alten Construction on October 9<sup>th</sup>, 2008, for the Public Safety Facilities Project. The contract project duration is 420 calendar days. As of this report, the Project has been underway for 6 months.

We are currently in discussion with Alten Construction regarding an extension of the Project Duration. Alten's last submitted schedule shows that their duration has been extended by 78 Calendar days. The increase to the duration may be required, but the current discussion revolves around how much of that time will be compensable and non-compensable. Compensable Delays would mean that the General Conditions costs (Trailer rental, superintendent wages, fencing rental, etc) would be provided to Alten Construction. Non-Compensable Delays would entail the granting of a time extension but not the payment of General Condition costs. Swinerton Management and Consulting currently believes that 35 Calendar Days may be warranted, of which only five days would be compensable. Current General Condition costs as requested by Alten are approximately \$975 per day.

The Police Station site neared completion of the Temporary Shoring walls during the month of March. Along the West wall, the existing and remaining wall was shored by means concrete footings and tie backs. Once these are fully in place, shotcrete will be used to cover any remaining gaps. Weeps holes will be placed at regular intervals to allow for the transfer of water, and a drainage system to carry runoff will be implemented. Upon completion of the temporary shoring, site work for the new foundation and slab of the Police Department will begin. Soil conditions found at the site are adequate to use as a future subsurface, and it is not anticipated that additional imported soil will be required.

At the Fire Department site, reinforcing steel (rebar) has been placed in all of the trenches awaiting the foundation pour. Due to late rains causing some erosion to the trenches and an adjustment to the Apparatus Bay elevations, we will be placing some formwork to prevent overspill of concrete during the pour. This will lead to some additional costs that are being tracked currently. The foundation is scheduled to be poured in early April. The change of the location of the Firefighter's pole has been discussed and estimates have been generated by Swinerton Management & Consulting; it appears likely that the pole will be moved, unless estimated costs come in grossly over expectation. SMC, along with staff of the City of Sausalito will present to the City Council the cost expectations as they are currently known at the first available City Council meeting.



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## **City of Sausalito Public Safety Facilities**

**Police Station 29 Caledonia Street  
Fire Station 333 Johnson Street  
Sausalito, CA**

### **3 KEY PROJECT ISSUES**

During the month of March, much of the noticeable work took place the Fire Department site. Reinforcing steel (rebar) was placed in the trenches in anticipation of the foundation concrete pour to occur in early April. The Elevator pit slab and walls were poured for the Fire Department site as well. While the Project did receive more rain in March than in February and January, by the time the rain occurred, much of the underground preparation was well underway. There was some erosion of the trenches caused by the rain, but the impact was minimal overall.

Discussions continued regarding the relocation of the Firefighter's Pole, and estimate were produced and provided to Alten Construction for use in generating a Change Order Request. While earlier expectations anticipated that the re-location would be not generate a cost to the City of Sausalito, further review and consultation with Alten Construction indicate that some costs may result. As further information comes from Alten and their sub-contractors, any potential costs will be tabulated and a report will be made to the Sausalito City Council.

Alten Construction has submitted a Change Order Request for additional scheduled time to be added to the Project due to the discovery and subsequent removal of the underground storage tanks. Specifically in regard to the discovery of the tanks, Alten requested 36 Calendar Days of extension. Swinerton has reviewed this request and believes that some time may be warranted, but that the additional time will not be compensable (i.e. that Alten will not be entitled to General Conditions as a result of the Delay). Swinerton believes that Alten is not entitled to the requested extension due to the fact that there were concurrent delays with other activities, and that therefore, the discovery of the tanks did not result in an actual delay. We are currently negotiating with Alten regarding the request for delay.

With regard to the Police Department site, wet soil conditions prevented Alten from conducting much site work to prepare underground utilities and foundation preparation. However, work continued to proceed on the temporary shoring installation. The southern wall was substantially completed in early march, including the placement of formwork in preparation for the permanent retaining wall installation. Work continued on the western wall with additional portions of the existing retaining wall being removed, and the hillside being protected with concrete footings and support. In early April, the west wall will be completed and preparation for the permanent retaining wall will begin.

Related to the retaining wall work, Alten prepared shotcrete test panels for the purpose of certifying shotcrete nozzlemen and to review application procedures for placing a shotcrete retaining wall. The shotcrete was placed under the direct supervision of the City of Sausalito's Structural Engineer, Thornton Tomasetti (previously Dasse Engineering) as well the City's Special Inspector, Smith-Emery. Upon completion and setting of the shotcrete, cores were taken from the test panels and reviewed by the Special Inspector. The Special Inspector visually inspected the cores and stated that they were "nearly flawless"; additional tests are being conducted in our Special Inspectors laboratory to ensure that the shotcrete panels meet plans and specification requirements. It should be noted that during discussions regarding the use of



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## **City of Sausalito Public Safety Facilities**

**Police Station 29 Caledonia Street  
Fire Station 333 Johnson Street  
Sausalito, CA**

Shotcrete for our permanent retaining walls, it was agreed upon that additional protection against water intrusion should be utilized. A product by the name of Zypex, a cementitious additive, that forms a crystalline barrier to moisture intrusion, was added to the shotcrete. This waterproofing additive will act an additional means of water intrusion protection along with the application of a waterproofing membrane and water diversion drains that will be applied to the outside face of the new permanent retaining walls. Due to its cementitious nature, Zypex also provides additional strength to the walls in addition to the waterproofing ability.

Alten Construction also submitted Change Order Requests for work associated with the retaining wall, which are currently under review. The Change Order Requests were submitted by Alten because of changes to the design of the temporary retaining walls as first proposed by Alten Construction and their own Structural Engineer. Swinerton has countered that the temporary shoring wall was a Design/Build system with full responsibility for the design and construction being the responsibility of the General Contractor. Swinerton has initially rejected most of the Requests by Alten, but are continuing our discussions with Alten to review their basis and the validity of their Requests. The continuing review will involve a review of project soils reports and conditions of the existing soil found once the installation of the temporary retaining wall began. Discussions regarding the Change Requests have been cordial, and everyone on the building team is confident that any outstanding issues will be resolved.

As to the following months, the Fire Department site will receive its foundation and we will begin to see the building go 'vertical' soon. At the Police Station site, preparations are already underway for the foundation preparation and the installation of the new permanent retaining walls. Once the foundation and retaining wall are in place, the Police Station will also see a great deal of work and it too will start to go 'vertical' in the coming months.



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## **City of Sausalito Public Safety Facilities**

**Police Station 29 Caledonia Street  
Fire Station 333 Johnson Street  
Sausalito, CA**

### **4 PROJECT SCHEDULE**

Critical Path Schedule from Alten Construction attached.

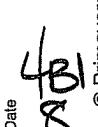
As noted previously in the Monthly Report, the currently issued Schedule produced by Alten Construction states that the current date of Substantial Completion of March 10, 2010. The Original Substantial Completion date was January 10, 2010.

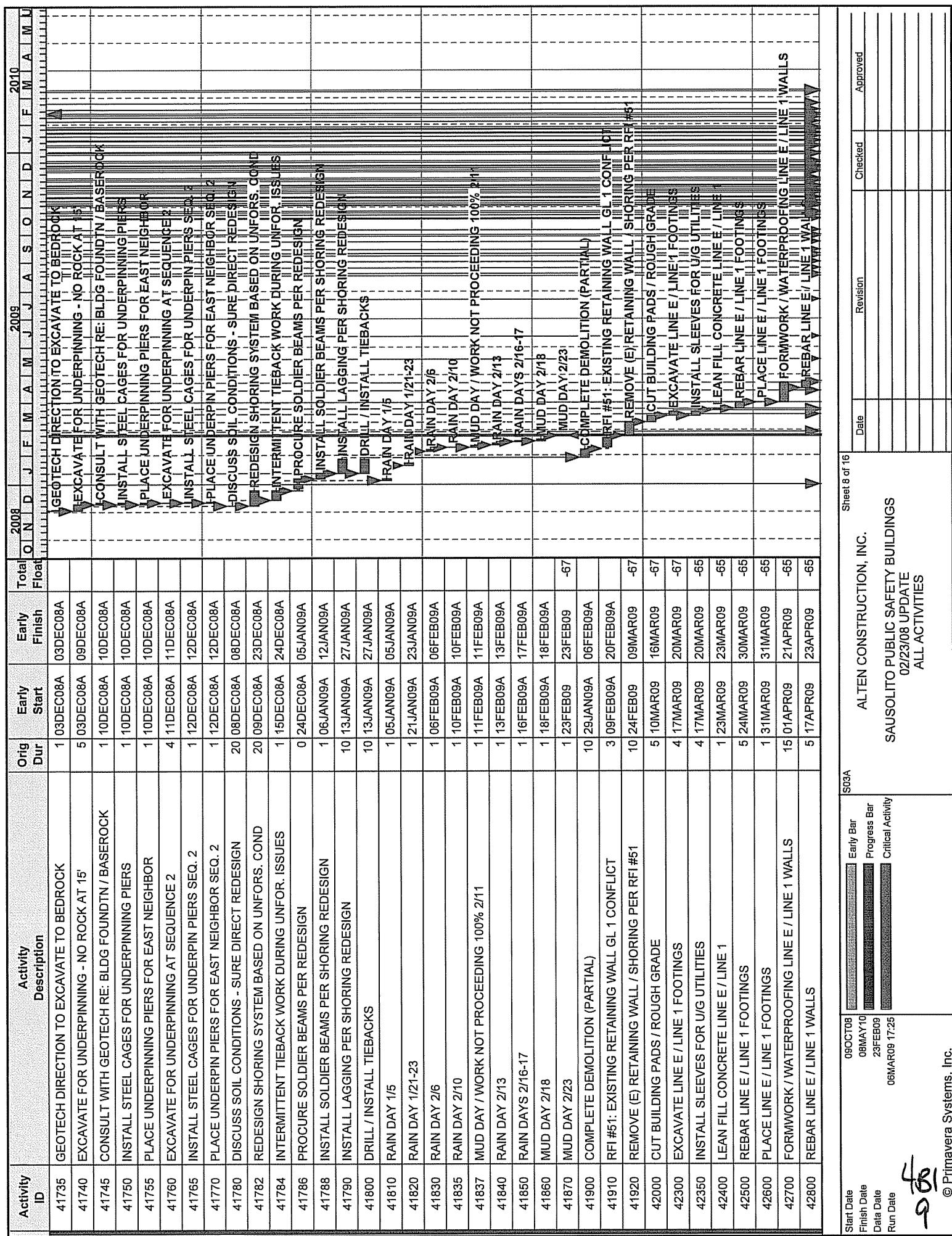
We are currently in discussion with Alten Construction regarding the actual amount of extension that will be approved, and of that number of days, how many of the days will be compensable (i.e. how much will the City pay for General Conditions) and how many will be non-compensable (i.e. no General Conditions will be paid, but the schedule will be extended).

We also will be working with Alten Construction to determine methods and approaches that may allow for an acceleration of the Schedule, if this can be done without additional costs to the City.

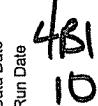
Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	Total Float	2008												2009													
						O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	N	U			
<b>GENERAL SITWORK</b>																															
31200	MOBILIZATION		10 09OCT08A	22OCT08A		IMPLEMENT MOBILIZATION																									
31300	IMPLEMENT EROSION CONTROL		1 09OCT08A	09OCT08A		IMPLEMENT EROSION CONTROL																									
31350	ID/DISCUSS ADDED UG ELECT WK FOR HIGH VOLT LINES		1 23OCT08A	27OCT08A		ID/DISCUSS ADDED UG ELECT WK FOR HIGH VOLT LINES																									
31360	OWNER DIRECTION TO PERFORM UG ELECT WORK		1 28OCT08A	10NOV08A		OWNER DIRECTION TO PERFORM UG ELECT WORK																									
31370	REPUBLIC PROVIDE PRICING FOR UG ELECT WORK		1 11NOV08A	17NOV08A		REPUBLIC PROVIDE PRICING FOR UG ELECT WORK																									
31380	LESLIE PROVIDE PRICING FOR ABOVE GR. ELECT WK		1 11NOV08A	21NOV08A		LESLIE PROVIDE PRICING FOR ABOVE GR. ELECT WK																									
31390	SCHEDULE REPUBLIC TO START WORK		8 24NOV08A	05DEC08A		SCHEDULE REPUBLIC TO START WORK																									
31395	REPUBLIC (CITY SUB) RESCHEDULE ITS WORK		10 08DEC08A	12DEC08A		REPUBLIC (CITY SUB) RESCHEDULE ITS WORK																									
31400	REMOVE / STORE (E) STREET LIGHT		1 15DEC08A	15DEC08A		REMOVE / STORE (E) STREET LIGHT																									
31500	DEMO (E) SIDEWALK		10 10OCT08A	23OCT08A		DEMO (E) SIDEWALK																									
31600	END OF 2008-2009 WINTER SEASON - RESUME SITWORK		0		5	END OF 2008-2009 WINTER SEASON - RESUME SITWORK																									
31700	DEMO (E) CURBS		5 31MAR09	06APR09	5	DEMO (E) CURBS																									
31800	TRENCH / UTILITIES ACROSS JOHNSON & CALEDONIA		10 20APR09	01MAY09	4	TRENCH / UTILITIES ACROSS JOHNSON & CALEDONIA																									
31900	PLACE SUBGRADE AT DRIVEWAYS / SIDEWALKS		10 04MAY09	15MAY09	4	PLACE SUBGRADE AT DRIVEWAYS / SIDEWALKS																									
31950	INSTALL IRRIGATION MAINS		7 18MAY09	27MAY09	4	INSTALL IRRIGATION MAINS																									
32000	PLACE TRANSFORMER PAD / EMERG. GEN. PAD		4 28MAY09	02JUN09	4	PLACE TRANSFORMER PAD / EMERG. GEN. PAD																									
32100	PLACE CURB & GUTTER		10 03JUN09	16JUN09	4	PLACE CURB & GUTTER																									
32200	PLACE SITE CONCRETE		15 18AUG09	08SEP09	47	PLACE SITE CONCRETE																									
32300	INSTALL TRANSFORMER		1 08SEP09	09SEP09	37	INSTALL TRANSFORMER																									
32350	PGE&E INSTALL PRIMARY TO TRANSFORMER		5 10SEP09	16SEP09	37	PGE&E INSTALL PRIMARY TO TRANSFORMER																									
32370	INSTALL SECONDARY TO SWITCHGEAR		5 17SEP09	23SEP09	37	INSTALL SECONDARY TO SWITCHGEAR																									
32380	INSPECT / PERMANENT POWER		1 24SEP09	24SEP09	37	INSPECT / PERMANENT POWER																									
32400	INSTALL GENERATOR		8 05SEP09	18SEP09	41	INSTALL GENERATOR																									
32500	STIPING		2 24FEB10	25FEB10	-59	STIPING																									
38000	INSTALL IRRIGATION / LANDSCAPING		10 12FEB10	25FEB10	-59	INSTALL IRRIGATION / LANDSCAPING																									
38100	SITWORK SUBSTANTIAL COMPLETION		0		25FEB10	-59	SITWORK SUBSTANTIAL COMPLETION																								
41500	POLICE STATION STRUCTURE		8 09OCT08A	20OCT08A		SURVEY BUILDING LINES																									
41600	SELELCTIVE CONCRETE DEMO		20 09OCT08A	05NOV08A		SELELCTIVE CONCRETE DEMO																									
41700	PARTIAL DEMO OF BACK RETAINING WALL		5 21NOV08A	26NOV08A		PARTIAL DEMO OF BACK RETAINING WALL																									
41710	GEO/TECH:SOILS REPT. WRONG EAST NEIGHBOR NOT BEDROCK		1 25NOV08A	25NOV08A		GEO/TECH:SOILS REPT. WRONG EAST NEIGHBOR NOT BEDROCK																									
41715	ENGINEER'S REVIEW OF DIRECTION		1 26NOV08A	26NOV08A		ENGINEER'S REVIEW OF DIRECTION																									
41720	ALTEN DISCUSS DIRECTION WITH ENGINEER CARL.		1 28NOV08A	29NOV08A		ALTEN DISCUSS DIRECTION WITH ENGINEER CARL.																									
41725	ENGINEER SUGGESTS UNDERPINNING EAST NEIGHBOR		1 01DEC08A	01DEC08A		ENGINEER SUGGESTS UNDERPINNING EAST NEIGHBOR																									
41730	ENGINEER VISITS SITE TO REVIEW / MEET W GEOTECH		1 02DEC08A	02DEC08A		ENGINEER VISITS SITE TO REVIEW / MEET W GEOTECH																									
Start Date	09OCT08		08MAY10			SURVEY BUILDING LINES																									
Finish Date	04FEB09		23FEB09			SELECTIVE CONCRETE DEMO																									
Data Date	06MAY09		17:25			PARTIAL DEMO OF BACK RETAINING WALL																									
Run Date						GEO/TECH:SOILS REPT. WRONG EAST NEIGHBOR NOT BEDROCK																									
						ENGINEER'S REVIEW OF DIRECTION																									
						ALTEN DISCUSS DIRECTION WITH ENGINEER CARL.																									
						ENGINEER SUGGESTS UNDERPINNING EAST NEIGHBOR																									
						ENGINEER VISITS SITE TO REVIEW / MEET W GEOTECH																									

Sheet 7 of 16  
 AL TEN CONSTRUCTION, INC.  
 SAUSOLITO PUBLIC SAFETY BUILDINGS  
 02/23/08 UPDATE  
 ALL ACTIVITIES

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Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	2008												2009																					
					O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	A	S	O	N	D	J	F	M					
42900	SHOTCRETE LINE E / LINE 1 WALLS	1	24APR09	24APR09	-65																																	
43000	EXCAVATE DEEP FTGS	7	23MAR09	31MAR09	-67																																	
43100	PLACE LEAN FILL	2	01APR09	02APR09	-67																																	
43200	REBAR DEEP FTGS	7	03APR09	13APR09	-67																																	
43300	PLACE DEEP FTGS	1	14APR09	14APR09	-67																																	
43400	DRILL / INSTALL ELEVATOR RAM	4	15APR09	20APR09	-45																																	
43500	FORM / REBAR / PLACE ELEVATOR PIT SLAB / WALLS	10	15APR09	28APR09	-67																																	
43600	EXCAVATE REMAINING FOOTINGS	5	26APR09	05MAY09	-67																																	
43700	PLACE LEAN FILL AT REMAINING FOOTINGS	3	06MAY09	08MAY09	-67																																	
43800	REBAR REMAINING FOOTINGS	5	11MAY09	15MAY09	-67																																	
43900	INSTALL ANCHOR BOLTS AT REMAINING FOOTINGS	2	18MAY09	19MAY09	-67																																	
44000	PLACE REMAINING FOOTINGS	1	20MAY09	20MAY09	-67																																	
44100	SET COLUMNS / BEAMS AT 4, 5, 9	10	21MAY09	04JUN09	-67																																	
44200	FORM 1 SIDE INTERIOR WALLS	20	05JUN09	02JUL09	-67																																	
44300	REBAR INTERIOR WALLS	20	12JUN09	10JUL09	-67																																	
44400	INSTALL TEMPLATES / EMBEDS AT INTERIOR WALLS	4	07JUL09	10JUL09	-67																																	
44500	SCOTCERETE INTERIOR WALLS	5	13JUL09	17JUL09	-67																																	
44550	STRIP INTERIOR WALLS	3	20JUL09	22JUL09	-67																																	
44600	ROCK / SAND / VAPOR BARRIER	5	23JUL09	29JUL09	-67																																	
44700	FORM SLAB ON GRADE	8	30JUL09	10AUG09	-67																																	
44800	REBAR SLAB ON GRADE	5	06AUG09	11AUG09	-67																																	
44900	SET SCREEDS	5	10AUG09	14AUG09	-67																																	
45000	INSTALL EMBEDS / ANCHOR BOLTS	3	12AUG09	14AUG09	-67																																	
45100	PLACE SLAB ON GRADE	1	17AUG09	17AUG09	-67																																	
45200	ERECT STRUCTURAL STEEL / STAIRS / LAY PAN DECK	25	18AUG09	22SEP09	-67																																	
45300	WELD DECKING POLICE STATION	10	23SEP09	06OCT09	-67																																	
45400	EDGE FORM LEVEL 2	7	07OCT09	15OCT09	-67																																	
45500	INSTALL REBAR LEVEL 2	7	07OCT09	15OCT09	-67																																	
45600	PLACE LEVEL 2 CONCRETE	1	16OCT09	16OCT09	-65																																	
45700	STRIP EDGE FORM LEVEL 2	2	19OCT09	20OCT09	-65																																	
45800	EDGE FORM ROOF	7	16OCT09	26OCT09	-67																																	
45900	INSTALL REBAR ROOF	7	16OCT09	26OCT09	-67																																	
46000	PLACE ROOF CONCRETE	1	27OCT09	27OCT09	-67																																	
46100	STRIP EDGE FORM ROOF	2	28OCT09	29OCT09	-67																																	

Start Date: 09OCT08  
 Finish Date: 08MAY10  
 Data Date: 23FEB09  
 Run Date: 06MAR09 17:25  
  
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Early Bar Progress Bar Critical Activity  
 Approved  
 Checked  
 Date Revision

Sheet 9 of 16  
 AL TEN CONSTRUCTION, INC.  
 SAUSALITO PUBLIC SAFETY BUILDINGS  
 02/23/08 UPDATE  
 ALL ACTIVITIES

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	Total	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	2008	2009
					Float																	
<b>POLICE STATION EXTERIOR</b>																						
51200	EXTERIOR FRAMING LEVEL 1		12	21OCT09	05NOV09	-59																
51300	EXTERIOR FRAMING LEVEL 2		12	30OCT09	16NOV09	-64																
51400	SCAFFOLD FIRE STATION		5	21OCT09	27OCT09	-54																
51500	EXTERIOR SHEATHING LEVEL 1		5	04NOV09	10NOV09	-59																
51550	INSTALL FLASHINGS LEVEL 1		4	09NOV09	12NOV09	-59																
51600	EXTERIOR SHEATHING LEVEL 2		5	13NOV09	19NOV09	-64																
51700	INSTALL FLASHINGS LEVEL 2		4	18NOV09	23NOV09	-64																
51800	INSTALL STOREFRONTS / WINDOWS LEVEL 1		10	13NOV09	30NOV09	-57																
51900	INSTALL ROLL-UP DOORS LEVEL 1		6	11NOV09	18NOV09	-51																
52000	INSTALL STOREFRONTS / WINDOWS LEVEL 2		10	24NOV09	09DEC09	-64																
52100	LATH / PAPER EXTERIOR		12	13NOV09	07DEC09	-59																
52200	SCRATCH / BROWN STUCCO		15	23NOV09	15DEC09	-59																
52300	CURE SCRATCH / BROWN STUCCO		5	16DEC09	22DEC09	-59																
52500	WATERPROOFING AT BRICK VENEER LOCATIONS		10	23DEC09	07JAN10	-59																
52800	INSTALL CAST STONE		15	31DEC09	21JAN10	-59																
52700	INSTALL BRICK VENEER		20	08JAN10	04FEB10	-59																
53000	REMOVE SCAFFOLDING		5	05FEB10	11FEB10	-59																
53100	INSTALL EXTERIOR CANOPIES		5	12FEB10	18FEB10	-54																
53200	INSTALL CAST METAL SIGNAGE		2	12FEB10	15FEB10	-51																
53250	INSTALL HANDRAILS		3	05FEB10	09FEB10	-47																
53300	INSTALL RIGID ROOF INSULATION		7	20NOV09	02DEC09	-64																
53400	INSTALL ROOFING / FLASHING		5	03DEC09	09DEC09	-64																
53500	BUILDING DRIED-IN		0		09DEC09	-64																
53600	INSTALL ROOFTOP EQUIPMENT / PIPING		4	10DEC09	15DEC09	-23																
53650	INSTALL ROOF SCREENS		5	16DEC09	22DEC09	-14																
53670	INSTALL UNIT SKYLIGHTS		4	10DEC09	15DEC09	-9																
53700	INSTALL PATIO HARDWOOD DECKING AT ROOFS		3	12FEB10	16FEB10	-52																
<b>POLICE STATION INTERIOR</b>																						
61200	LAYOUT / INSTALL HANGERS LEVEL 1		3	21OCT09	23OCT09	-65																
61300	INSTALL SPRINKLER ROUGH-IN LEVEL 1		5	26OCT09	30OCT09	-65																
61400	LAYOUT / INSTALL HANGERS LEVEL 2		3	30OCT09	03NOV09	-67																
61500	INSTALL SPRINKLER ROUGH-IN LEVEL 2		5	04NOV09	10NOV09	-67																
61600	INSTALL MEP MAINS LEVEL 1		5	02NOV09	06NOV09	-65																
61700	INSTALL MEP MAINS LEVEL 2		5	11NOV09	17NOV09	-67																
61800	INTERIOR FRAMING / DOOR FRAMES LEVEL 1		12	08NOV09	24NOV09	-65																
Start Date	09OCT09	Early Bar	Approved																			
Finish Date	08MAY10 23FEB09	Progress Bar																				
Data Date	06MARCH 17:25	Critical Activity																				
Run Date																						

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ALTEN CONSTRUCTION, INC.

SAUSOLITO PUBLIC SAFETY BUILDINGS  
02/23/08 UPDATE  
ALL ACTIVITIES

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	Total Float		2008		2009		2010									
					O	N	D	J	F	M	A	M	J	S	O	N	D	J	F	M
62000	INTERIOR FRAMING / DOOR FRAMES LEVEL 2	10	18NOV09	03DEC09	-67															
62100	IN-WALL MEP ROUGH-IN LEVEL 1	15	18NOV09	10DEC09	-65															
62200	IN-WALL MEP ROUGH-IN LEVEL 2	15	25NOV09	17DEC09	-67															
62300	INSULATION LEVEL 1	2	11DEC09	14DEC09	-65															
62400	INSULATION LEVEL 2	2	18DEC09	21DEC09	-67															
62500	INTERIOR DRYWALL / TAPE / FINISH LEVEL 1	15	15DEC09	06JAN10	-65															
62550	INSTALL BULLET RESISTIVE CONSTRUCTION	5	18DEC09	24DEC09	-58															
62600	INTERIOR DRYWALL / TAPE / FINISH LEVEL 2	13	22DEC09	11JAN10	-67															
62700	PAINT LEVEL 1	5	07JAN10	13JAN10	-65															
62800	PAINT LEVEL 2	5	12JAN10	18JAN10	-67															
62900	INSTALL CEILING GRID LEVEL 1	8	14JAN10	25JAN10	-65															
63000	INSTALL CEILING GRID LEVEL 2	8	19JAN10	28JAN10	-67															
63100	INSTALL MEP AT ACOUSTICAL CEILINGS /TRIM LEVEL 1	8	18JAN10	28JAN10	-65															
63200	INSTALL MEP AT ACOUSTICAL CEILINGS /TRIM LEVEL 2	8	21JAN10	02FEB10	-67															
63300	INSTALL CEILING TILE LEVEL 1	3	29JAN10	02FEB10	-65															
63400	INSTALL CEILING TILE LEVEL 2	3	03FEB10	05FEB10	-67															
63500	INSTALL WAINSOT PANELING LEVEL 2	3	08FEB10	10FEB10	-66															
63600	INSTALL CERAMIC TILE WALLS / FLOOR LEVEL 1	4	14JAN10	19JAN10	-40															
63700	INSTALL CERAMIC TILE WALLS / FLOOR LEVEL 2	12	19JAN10	03FEB10	-51															
63800	INSTALL PLUMBING FIXTURES LEVEL 1	4	20JAN10	25JAN10	-40															
63900	INSTALL PLUMBING FIXTURES LEVEL 2	6	04FEB10	11FEB10	-51															
64000	INSTALL TOILET PARTITIONS / ACCESSORIES LEVEL 1	2	26JAN10	27JAN10	-40															
64100	INSTALL TOILET PARTITIONS / ACCESSORIES LEVEL 2	2	12FEB10	15FEB10	-51															
64300	INSTALL LOCKERS LEVEL 2	2	19JAN10	20JAN10	-51															
64400	INSTALL CASEWORK LEVEL 1	5	03FEB10	09FEB10	-65															
64500	INSTALL CASEWORK LEVEL 2	3	08FEB10	10FEB10	-67															
64600	INSTALL KITCHEN EQPT LEVEL 2	1	11FEB10	11FEB10	-67															
64700	INSTALL DECORATIVE WALL PANELING LEVEL 1	3	19JAN10	21JAN10	-62															
64800	INSTALL DECORATIVE METAL RAILING SYSTEM	5	22JAN10	28JAN10	-62															
64900	INSTALL FRP LEVEL 1	1	14JAN10	14JAN10	-52															
64950	INSTALL FRP LEVEL 2	1	19JAN10	19JAN10	-50															
65000	INSTALL FLOORING LEVEL 1	8	29JAN10	09FEB10	-62															
65100	INSTALL FLOORING LEVEL 2	8	12FEB10	23FEB10	-67															
65200	INSTALL DOORS & HARDWARE LEVEL 1	5	10FEB10	16FEB10	-62															
65300	INSTALL DOORS & HARDWARE LEVEL 2	5	24FEB10	02MAR10	-67															

Start Date  
Finish Date  
Data Date  
Run Date

09OCT08  
08MAY10  
23FEB09  
06MARCH 17:25

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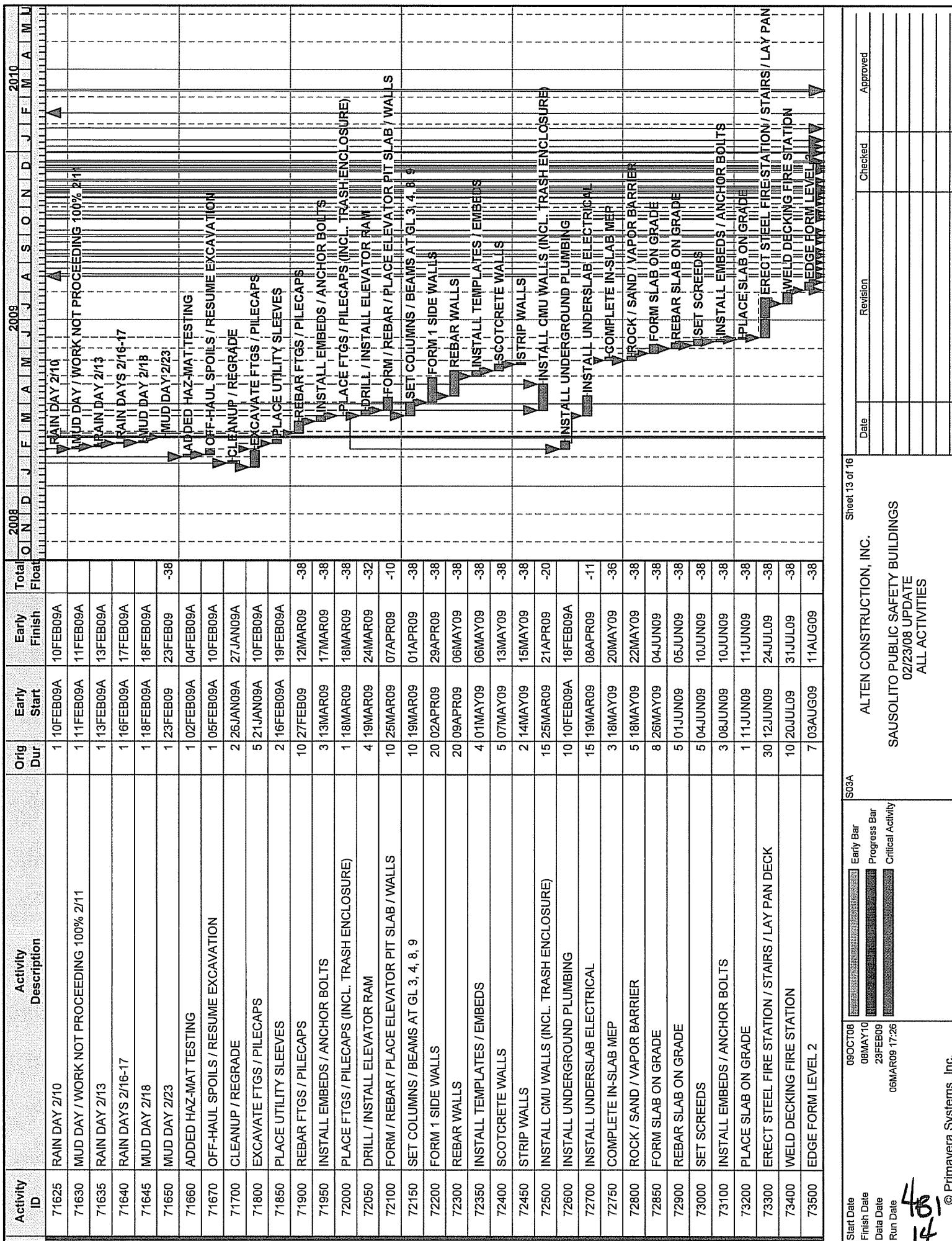
ALTEN CONSTRUCTION, INC.  
SAUSOLITO PUBLIC SAFETY BUILDINGS  
02/23/08 UPDATE  
ALL ACTIVITIES

Sheet 11 of 16

Date                  Revision                  Checked                  Approved

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	Total Float	2008												2009												
						O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	N			
65500	INSTALL INTERIOR SIGNAGE	2	24FEB10	25FEB10	-59																									
65505	FIELD MEASURE / FABRICATE WINDOW SHADES	40	29DEC09	23FEB10	-59																									
65520	INSTALL PROJECTION SCREEN	1	10FEB10	10FEB10	-48																									
65540	INSTALL MARKERBOARD	1	10FEB10	10FEB10	-48																									
65550	INSTALL FIRE EXTINGUISHERS / CABINETS	1	19JAN10	19JAN10	-32																									
65560	INSTALL ELEVATOR SHAFTWALLS	10	04DEC09	17DEC09	-61																									
65700	INSTALL ELEVATOR GUIDERAILS	15	18DEC09	11JAN10	-61																									
65800	INSTALL ELEVATOR CAR	15	12JAN10	01FEB10	-61																									
65900	INSTALL ELEVATOR FRONTS	10	02FEB10	15FEB10	-61																									
66000	ELEVATOR ADJUSTMENT / TESTING	5	16FEB10	22FEB10	-61																									
66100	ELEVATOR INSPECTION	5	23FEB10	01MAR10	-61																									
66200	MEP TESTING / BALANCING	10	24FEB10	09MAR10	-67																									
66300	LIFE SAFETY TESTING / SIGN-OFF	10	24FEB10	09MAR10	-67																									
66510	INSTALL WINDOW SHADES	2	24FEB10	25FEB10	-59																									
68000	POLICE STATION SUBSTANTIAL COMPLETION	0		09MAR10	-67																									
<b>Fire Station</b>																														
71500	SURVEY BUILDING LINES	10	09OCT08A	22OCT08A																										
71520	ROUGH GRADE FIRE STATION SITE	5	23OCT08A	29OCT08A																										
71530	FUEL TANKS DISCOVERED - STOP WORK	1	29OCT08A	29OCT08A																										
71540	TANK REMOVAL / SOIL TESTING BY CITY	17	30OCT08A	21NOV08A																										
71550	DIRECTION TO OVEREX SOIL GIVEN TO ALTEN	1	21NOV08A	21NOV08A																										
71560	SCHEDULE / PERFORM OVEREXCAVATION / BACKFILL PIT	4	24NOV08A	01DEC08A																										
71570	TESTING OF SOILS	5	02DEC08A	08DEC08A																										
71580	OFFHAUL SPOILS TO HAZ MAT DUMPSITES PER TESTING	4	16DEC08A	18DEC08A																										
71590	REDO ROUGH GRADING / IMPORT ADDED SOIL	5	15DEC08A	19DEC08A																										
71592	SOIL TOO WET FOR COMPACTION DUE TO RAIN ON 12/21	1	22DEC08A	22DEC08A																										
71593	RAIN DAYS 12/23-12/24	2	23DEC08A	24DEC08A																										
71595	SURVEY / LAYOUT FOR PILES	2	29DEC08A	30DEC08A																										
71597	RFI #31: APPARATUS BAY SLOPE	3	12NOV08A	02DEC08A																										
71598	RFI #31 RESPONSE INADEQUATE	3	03DEC08A	02FEB09A																										
71599	RFI #46: FOLLOW-UP RE. APPARATUS BAY SLOPE	1	03FEB09A	19FEB09A																										
71600	DRIVE / CUT PILES (PILES DRIVEN BY ~1/23)	20	31DEC08A	26FEB09	-38																									
71610	RAIN DAY 1/5	1	05JAN09A	05JAN09A																										
71615	RAIN DAY 1/21-23	1	21JAN09A	23JAN09A																										
71620	RAIN DAY 2/6	1	06FEB09A	06FEB09A																										

Start Date	09OCT08	Early Bar	S03A AL TEN CONSTRUCTION, INC. SAUSOLITO PUBLIC SAFETY BUILDINGS 02/23/08 UPDATE ALL ACTIVITIES
Finish Date	08MAY10	Progress Bar	
Data Date	23FEB09	Critical Activity	
Run Date	06MARCH 17-26		
JF Primavera Systems, Inc.		Approved	
JF		Checked	
JF		Date	
JF		Revision	
Sheet 12 of 16			



Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	Total Float	2008												2009													
						O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	D					
73600	INSTALL REBAR LEVEL 2	7	03AUG09	11AUG09	-38																										
73700	PLACE LEVEL 2 CONCRETE	1	12AUG09	12AUG09	-38																										
73800	STRIP EDGE FORM LEVEL 2	2	13AUG09	14AUG09	-38																										
74000	EDGE FORM ROOF	7	12AUG09	20AUG09	-26																										
74100	INSTALL REBAR ROOF	7	12AUG09	20AUG09	-26																										
74200	PLACE ROOF CONCRETE	1	21AUG09	21AUG09	-26																										
74300	STRIP EDGE FORM ROOF	2	24AUG09	25AUG09	-26																										
<b>FIRE STATION EXTERIOR</b>																															
81200	EXTERIOR FRAMING LEVEL 1	15	17AUG09	04SEP09	-36																										
81300	EXTERIOR FRAMING LEVEL 2	15	26AUG09	16SEP09	-26																										
81400	SCAFFOLD FIRE STATION	5	06SEP09	15SEP09	-47																										
81500	EXTERIOR SHEATHING LEVEL 1	7	16SEP09	24SEP09	-47																										
81600	EXTERIOR SHEATHING LEVEL 2	7	10SEP09	18SEP09	-26																										
81640	INSTALL FLASHINGS LEVEL 2	4	25SEP09	30SEP09	-32																										
81660	INSTALL STOREFRONTS LEVEL 1	12	25SEP09	12OCT09	-28																										
81670	INSTALL ROLL-UP DOORS LEVEL 1	6	25SEP09	02OCT09	-22																										
81680	INSTALL STOREFRONTS / WINDOWS LEVEL 2	12	01OCT09	16OCT09	-32																										
81700	LATH / PAPER EXTERIOR	17	25SEP09	19OCT09	-47																										
81800	SCRATCH / BROWN STUCCO	15	05OCT09	29OCT09	-47																										
81900	CURE SCRATCH / BROWN STUCCO	5	30OCT09	05NOV09	-47																										
82000	FINISH COAT STUCCO	10	06NOV09	19NOV09	2																										
82100	WATERPROOFING AT BRICK VENEER LOCATIONS	10	06NOV09	19NOV09	-47																										
82200	INSTALL CAST STONE	15	13NOV09	07DEC09	-47																										
82300	INSTALL BRICK VENEER	25	20NOV09	29DEC09	-47																										
82400	INSTALL PREFAB METAL CORNICE	10	30DEC09	13JAN10	-47																										
82500	INSTALL CAST STONE COLUMN CAPITAL	4	14JAN10	19JAN10	-47																										
82600	REMOVE SCAFFOLDING	5	20JAN10	26JAN10	-47																										
82700	INSTALL EXTERIOR CANOPIES	5	27JAN10	02FEB10	-42																										
82800	INSTALL CAST METAL SIGNAGE	2	27JAN10	28JAN10	-39																										
82900	INSTALL RIGID ROOF INSULATION	7	21SEP09	29SEP09	-24																										
83000	INSTALL ROOFING / FLASHING	5	30SEP09	06OCT09	-24																										
83100	BUILDING DRIED-IN	0		16OCT09	-32																										
83200	INSTALL ROOFTOP EQUIPMENT / PIPING	4	16DEC09	21DEC09	-23																										
83250	INSTALL ROOF SCREENS	5	22DEC09	29DEC09	-18																										
83270	INSTALL TUBULAR SKYLIGHTS	4	07OCT09	12OCT09	35																										

Start Date 09OCT08  
 Finish Date 08MAY10  
 Data Date 23FEB09  
 Run Date 06MAR09 17:26  


Early Bar

Progress Bar

Critical Activity

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ALTEN CONSTRUCTION, INC.  
 SAUSOLITO PUBLIC SAFETY BUILDINGS  
 02/23/08 UPDATE  
 ALL ACTIVITIES

Approved

Checked

Date

Revision

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	Total Float	2008												2009																			
						O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M		
83300	INSTALL PATIO HARDWOOD DECKING AT ROOFS	3	30DEC09	04JAN10	-21																																
91100	LAYOUT / INSTALL HANGERS LEVEL 1		3 17AUG09	19AUG09	-38																																
91200	INSTALL SPRINKLER ROUGH-IN LEVEL 1	5	20AUG09	26AUG09	-38																																
91250	LAYOUT / INSTALL HANGERS LEVEL 2	3	20AUG09	24AUG09	-36																																
91300	INSTALL SPRINKLER ROUGH-IN LEVEL 2	5	27AUG09	02SEP09	-38																																
91400	INSTALL MEP MAINS LEVEL 1	5	27AUG09	02SEP09	-11																																
91500	INSTALL MEP MAINS LEVEL 2	5	03SEP09	10SEP09	-38																																
91600	INT. FRAMING / DOOR FRAMES LEVEL 1 & MEZZANINE	8	03SEP09	15SEP09	-11																																
91650	FLOOR SHEATHING AT MEZZANINE	2	16SEP09	17SEP09	-1																																
91700	INTERIOR FRAMING / DOOR FRAMES LEVEL 2	15	11SEP09	01OCT09	-38																																
91800	IN-WALL MEP ROUGH-IN LEVEL 1 & MEZZANINE	15	09SEP09	29SEP09	-11																																
91900	IN-WALL MEP ROUGH-IN LEVEL 2	20	25SEP09	22OCT09	-38																																
91920	INSULATION LEVEL 1 & MEZZANINE	2	19OCT09	20OCT09	-24																																
91940	INSULATION LEVEL 2	2	23OCT09	26OCT09	-38																																
92000	INTERIOR DRYWALL / TAPE / FINISH LEVEL 1 & MEZZ	15	21OCT09	10NOV09	-24																																
92100	INTERIOR DRYWALL / TAPE / FINISH LEVEL 2	15	27OCT09	16NOV09	-38																																
92200	PAINT LEVEL 1 & MEZZANINE	5	11NOV09	17NOV09	-24																																
92300	PAINT LEVEL 2	5	17NOV09	23NOV09	-38																																
92400	INSTALL CEILING GRID LEVEL 1	3	18NOV09	20NOV09	-19																																
92500	INSTALL CEILING GRID LEVEL 2	10	24NOV09	09DEC09	-38																																
92600	INSTALL MEP AT ACOUSTICAL CEILINGS /TRIM LEVEL 1	3	23NOV09	25NOV09	-19																																
92700	INSTALL MEP AT ACOUSTICAL CEILINGS /TRIM LEVEL 2	5	10DEC09	16DEC09	-38																																
92800	INSTALL CEILING TILE LEVEL 1	1	30NOV09	30NOV09	-19																																
92900	INSTALL CEILING TILE LEVEL 2	3	17DEC09	21DEC09	-38																																
93100	INSTALL WAINSCOT PANELING LEVEL 2	3	22DEC09	24DEC09	-36																																
93200	INSTALL CERAMIC TILE WALLS / FLOOR LEVEL 1	15	18NOV09	10DEC09	-24																																
93300	INSTALL CERAMIC TILE WALLS / FLOOR LEVEL 2	11	24NOV09	10DEC09	-14																																
93400	INSTALL PLUMBING FIXTURES LEVEL 1	4	11DEC09	16DEC09	-12																																
93500	INSTALL PLUMBING FIXTURES LEVEL 2	6	11DEC09	18DEC09	-14																																
93600	INSTALL TOILET PARTITIONS / ACCESSORIES LEVEL 1	2	17DEC09	18DEC09	-12																																
93700	INSTALL TOILET PARTITIONS / ACCESSORIES LEVEL 2	2	21DEC09	22DEC09	-14																																
93800	INSTALL TURNOUT LOCKERS LEVEL 1	1	11DEC09	11DEC09	-24																																
93850	INSTALL TURNOUT LOCKERS LEVEL 2	1	24NOV09	24NOV09	-16																																
93900	INSTALL CASEWORK LEVEL 1	4	01DEC09	04DEC09	-19																																

Start Date 09OCT08  
 Finish Date 08MAY10  
 Data Date 23FEB09  
 Run Date 06MAR09 17:26  
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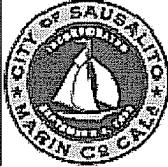
Date	Revision	Checked	Approved
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SAUSOLITO PUBLIC SAFETY BUILDINGS  
 02/23/08 UPDATE  
 ALL ACTIVITIES

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	Total Float	2008		2009		2010														
						O	N	D	J	F	M	A	M	J	A	S	O	N	D	J	F	M	A	M
94000	INSTALL CASEWORK LEVEL 2	4	22DEC09	28DEC09	-38																			
94100	INSTALL KITCHEN EQPT LEVEL 2	1	29DEC09	29DEC09	-38																			
94150	INSTALL DECORATIVE WALL PANELING	2	24NOV09	25NOV09	-19																			
94200	INSTALL DECORATIVE METAL RAILING SYSTEM	5	30NOV09	04DEC09	-19																			
94300	INSTALL MIRROR AT EXERCISE ROOM	1	24NOV09	24NOV09	-16																			
94330	INSTALL FRP LEVEL 1	1	13NOV09	18NOV09	-9																			
94360	INSTALL FRP LEVEL 2	1	24NOV09	24NOV09	-16																			
94400	INSTALL FLOORING LEVEL 1	4	14DEC09	17DEC09	-24																			
94500	INSTALL FLOORING LEVEL 2	10	30DEC09	13JAN10	-38																			
94700	INSTALL DOORS & HARDWARE LEVEL 1 & MEZZ	3	18DEC09	22DEC09	-24																			
94800	INSTALL DOORS & HARDWARE LEVEL 2	5	14JAN10	20JAN10	-38																			
94900	INSTALL FIRE POLE	2	14JAN10	15JAN10	-30																			
95000	INSTALL INTERIOR SIGNAGE	2	14JAN10	15JAN10	-30																			
95010	FIELD MEASURE / FABRICATE WINDOW SHADES	40	13NOV09	13JAN10	-30																			
95020	INSTALL WINDOW SHADES	2	14JAN10	15JAN10	-30																			
95060	INSTALL FIRE EXTINGUISHERS / CABINETS	1	24NOV09	24NOV09	4																			
95080	INSTALL EXHAUST REMOVAL SYSTEM	3	18NOV09	20NOV09	-4																			
95100	INSTALL ELEVATOR SHAFTWALLS	10	23OCT09	05NOV09	-33																			
95200	INSTALL ELEVATOR GUIDERAILS	15	06NOV09	30NOV09	-33																			
95300	INSTALL ELEVATOR CAR	15	01DEC09	21DEC09	-33																			
95400	INSTALL ELEVATOR FRONTS	10	22DEC09	06JAN10	-33																			
95500	ELEVATOR ADJUSTMENT / TESTING	5	07JAN10	13JAN10	-33																			
95600	ELEVATOR INSPECTION	5	14JAN10	20JAN10	-33																			
95700	MEP TESTING / BALANCING	10	14JAN10	27JAN10	-38																			
95800	LIFE SAFETY TESTING / SIGN-OFF	10	14JAN10	27JAN10	-38																			
98000	FIRE STATION SUBSTANTIAL COMPLETION COMPLETION	0	0	02FEB10	-42																			
99000	PROJECT SUBSTANTIAL COMPLETION	0	0	09MAR10	-67																			
99200	PUNCHLIST / CLOSEOUT	60	10MAY10	08MAY10	-97																			
99300	PROJECT FINAL COMPLETION	0	0	08MAY10	-97																			

Start Date	09OCT08	08MAY10	Early Bar	
Finish Date	08MAY10	23FEB09	Progress Bar	
Data Date	06MAY09	17-26	Critical Activity	
Run Date	06MAY09	17-26		
	100	Primavera Systems, Inc.		

Sheet 16 of 16  
ALTEN CONSTRUCTION, INC.  
SAUSOLITO PUBLIC SAFETY BUILDINGS  
02/23/08 UPDATE  
ALL ACTIVITIES



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## City of Sausalito Public Safety Facilities

Police Station 29 Caledonia Street  
Fire Station 333 Johnson Street  
Sausalito, CA

### 5. PROJECT NEW CONSTRUCTION BUDGET

This Monthly Report contains a new Budget format. It now shows the complete Budget including Hard Construction Costs as well as Soft Costs. Please see the following page.

#### **CHANGE ORDERS:**

Your Monthly Reports will now contain information on Change Orders. Please note that there is a difference between a Change Order Request (COR) and a Change Order (CO). Requests (COR's) are submitted by Alten Construction for consideration and review by SMC and the City. If the COR's are approved by the Architect, the City and SMC, they will then become Change Orders (CO's) and will modify the contract accordingly. Change Orders may adjust the Agreement with Alten by adding/deleting costs or may modify the Construction duration or both.

Not all Requests will be approved, therefore consider any COR as under review, until you see that it has been converted into a Change Order.

At this time, one Change Order has been approved and executed.

Change Order #1 was approved for Alten Instruction in the amount of \$88,139.60, and costs were included in latest Pay Application. This Change Order did not modify the Construction Duration.

Alten has submitted the following Change Order Requests.

- a. Underpinning related to temp shoring - \$48,845 (initially rejected but under review)
- b. Survey Monitoring of adjacent structures - \$2,584 (This will be approved)
- c. Miscellaneous Alten T&M Charges - \$11,849 (Currently under review)
- d. Delay for underpinning, Gen Cond. Costs - \$63,026 (Initially rejected but under further review)
- e. Addtl. Gen Cond. For Tank Removal - \$41,253 (Initially rejected but under further review)
- f. Addtl Engineering for underpinning - \$5,877 (Initially rejected but under further review)
- g. Changes for redesign of Temp Shoring - \$101,647 (initially rejected but under further review)
- h. Dual Flush Water Closets - \$3,622 (This will be approved)
- i. Re-Stake west wall of PD - \$2,112 (This will be approved)



**Sausalito Public Safety Bldg.**      Budget      Approved+  
 Pending Expenditures

January 6th, 2009

Sausalito PSF

Hard Construction Costs

Demolition	Peak	\$	291,000.00	291,186	(\$186)
New Construction	Alten	\$	9,266,000.00	1,748,507	\$7,517,493      81%
Approved Change Orders	Alten	\$	88,139.60		
Potential Add Alternates	None accepted at this time	\$	66,380.00		\$66,380      100%
Sub-total hard Construction Costs		\$	9,711,519.60	2,039,693	\$7,671,827      79%
Contingency (10%)	Recommended	\$	962,338.00	279,327	\$683,011      71%
<b>Total Hard Construction Costs</b>			<b>\$10,673,858</b>	2,319,020	<b>\$8,354,838      78%</b>

Soft Construction Costs

Sub-total of Professional Fees	Various Vendors	\$	2,489,021.55	2,029,074	\$459,947      18%
Sub-total Permits and Fees	Permits and PGE	\$	450,416.50	158,000	\$292,417      65%
Total Soft Construction Fees		\$	2,939,438.05	2,187,074	\$752,364      26%
Soft Cost Contingency (7%)	Recommended	\$	205,760.66	134,612	\$71,148      35%
Additional Soft Costs		\$	420,778.00	136,460	\$284,318      68%
<b>Sub-Total Soft Costs</b>			<b>\$3,565,977</b>	2,458,147	<b>\$1,107,830      31%</b>

**TOTAL CONSTRUCTION BUDGET**

<b>\$14,239,834</b>	<b>\$4,777,167</b>	<b>\$9,462,667</b>	<b>66%</b>
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**NOTE:**

Budget above does not include the following items:

- Land / property sales
- Revenue capitalization (i.e. rental income)
- Moving / transition
- Furniture, Fixtures or Equipment

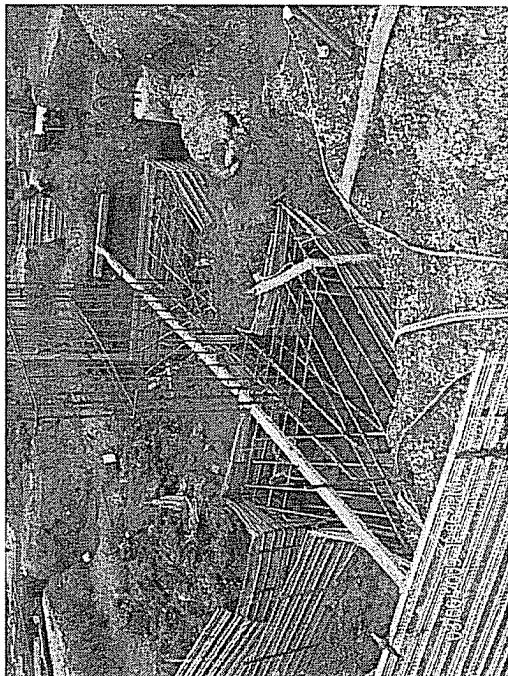
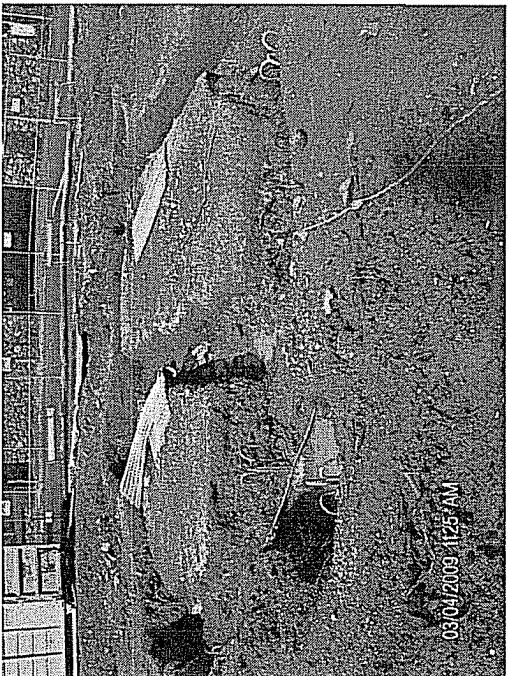
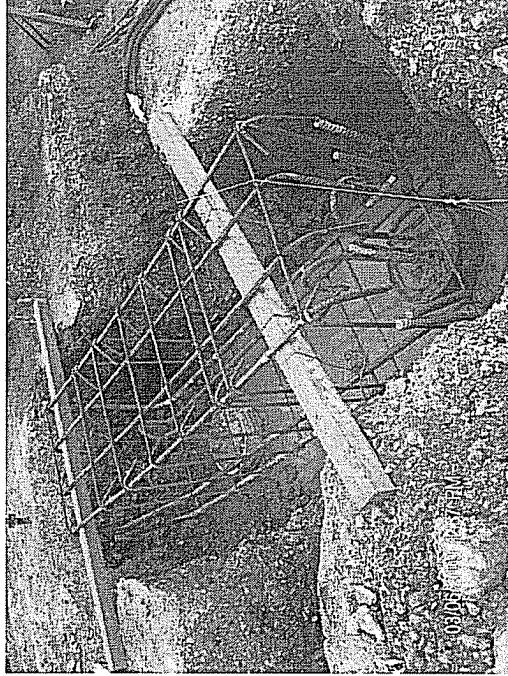
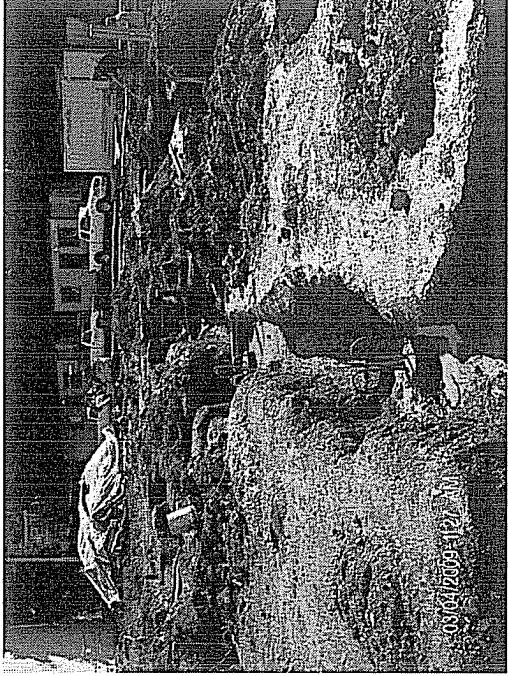


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**City of Sausalito Public Safety Facilities**  
Police Station 29 Caledonia Street  
Fire Station 333 Johnson Street  
Sausalito, CA

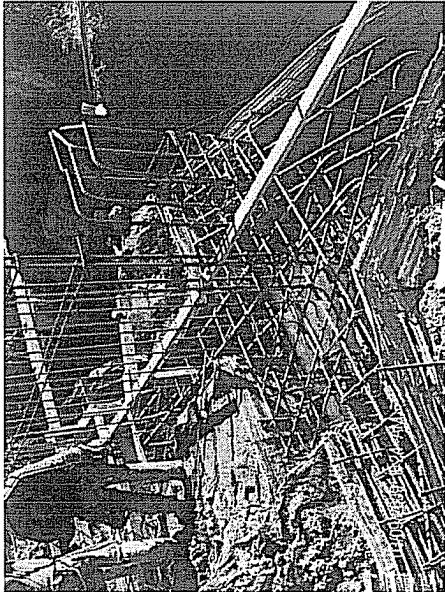
**6. PROJECT PROGRESS PHOTOS**

Condition of FD Site in early March and subsequent progress



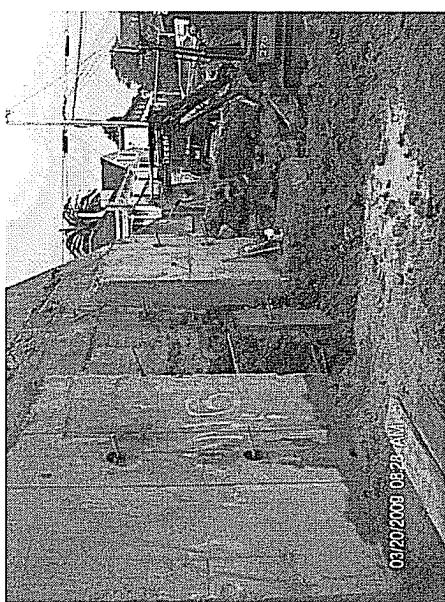
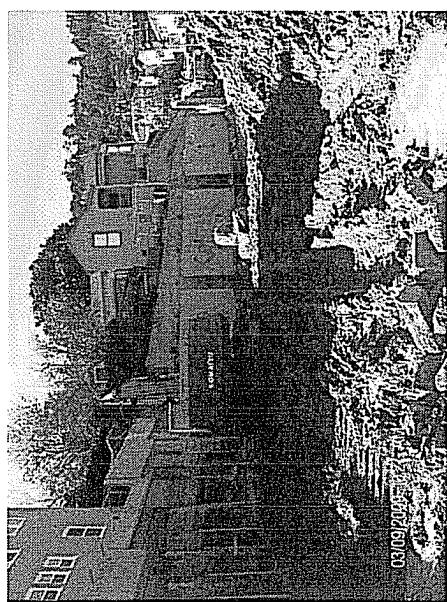
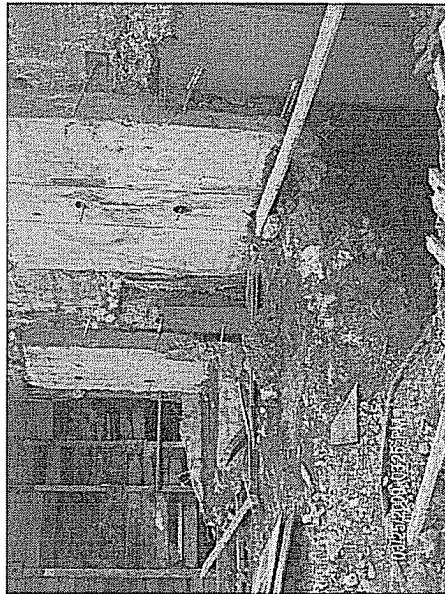
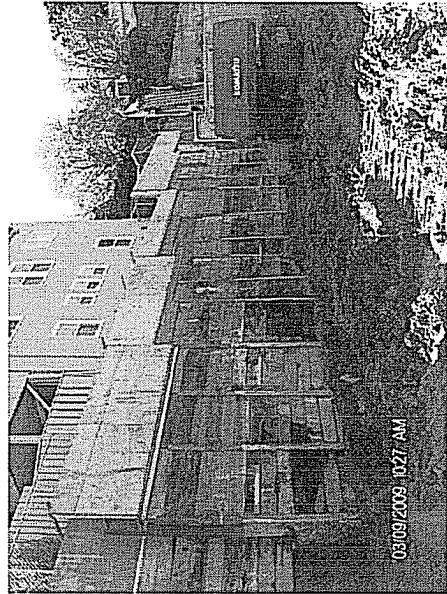
4B1  
22

## Continuing Progress at FD site with Rebar Installation



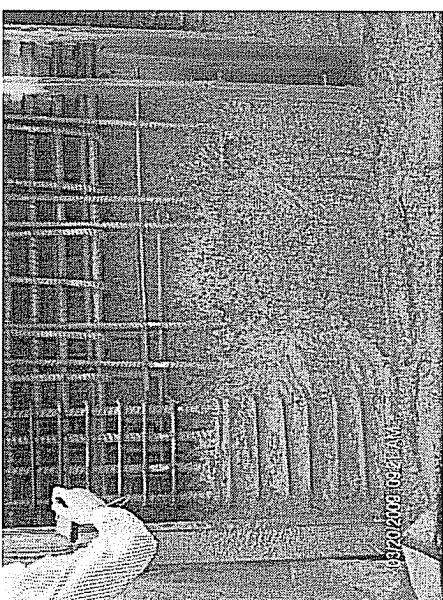
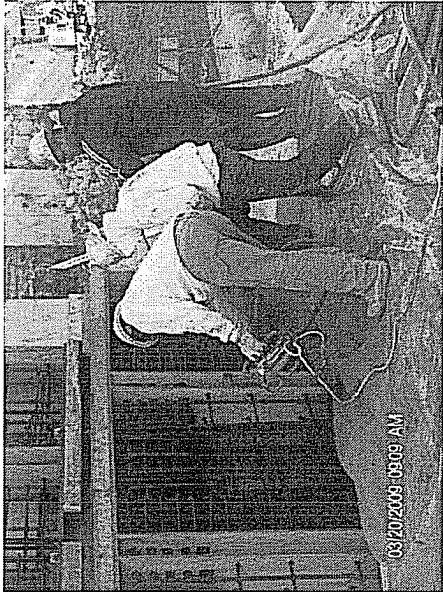
23/01

Views of the PD site and progress on the West wall

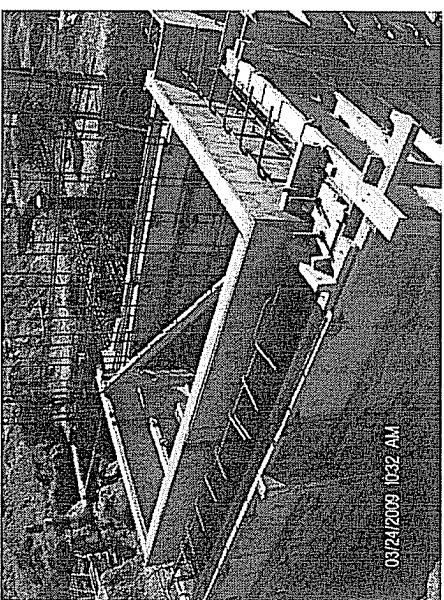
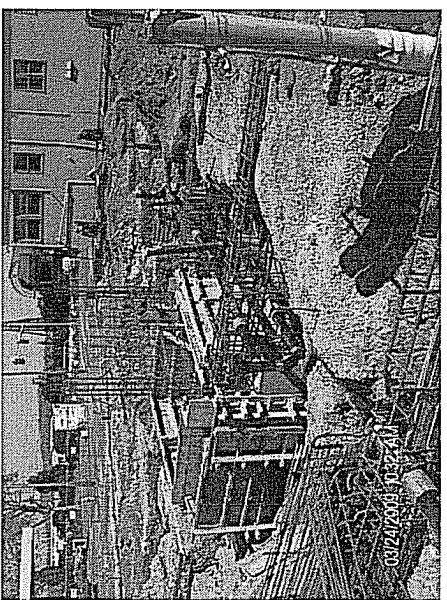
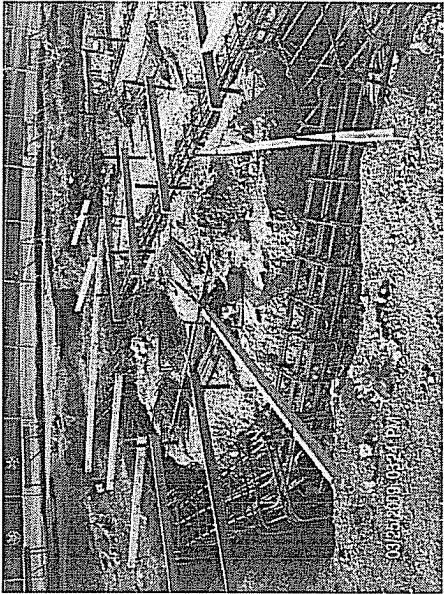
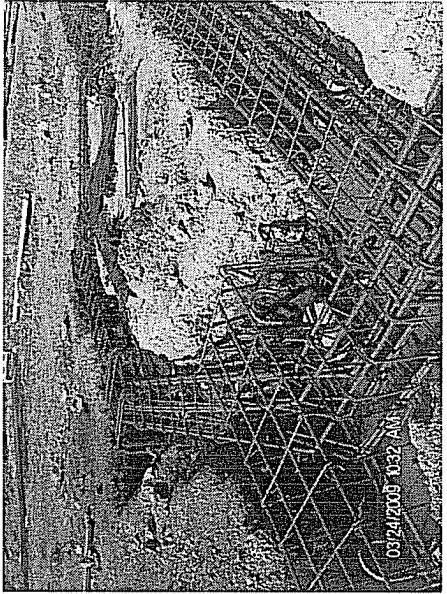


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## Shooting Test Panels with Shotcrete



Additional views of FD site with rebar installed and Elevator  
Pit walls formed



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fb

Additional views of PD Temp Shoring wall installation

