

MISSION BAY NORTH AND MISSION BAY SOUTH MITIGATION STATUS REPORT

Block N04

Mitigation Measures	Mitigation Response	SFRA RA	Responsible (Other	Mitigation Schedule	Implementation Procedures	Is Measure Applicable?	Implementation Status/Verification	RBF Review Date	Approval Date	Implementation	Name Phone/E-mail
Major Phase											
D.03 ARCHAEOLOGICAL RESOURCES											
<p>D.03. Retain the services of an archaeologist, because of the strong possibility of encountering the remains of cultural or historic artifacts or features in the six historic resources areas. The Environmental Review Officer (ERO) in consultation with the President of the Landmarks Preservation Advisory Board (LPAB) and the archaeologist would determine: 1) whether the archaeologist should instruct all excavation and foundation crews on the project site of the potential for discovery of historic archaeological deposits and artifacts, and the procedures to be followed if such materials are uncovered; and 2) prior to the commencement of foundation excavation, a program of archaeological testing.</p> <p>Retain a qualified historic archaeologist to supervise a pre-foundation excavation testing program for each phase of Project Area development or each construction site, as appropriate, using a series of mechanical, exploratory borings or other testing methods determined by the archaeologist to be appropriate. A qualified historical archaeologist would supervise the testing in the six historic resource areas to determine the probability of finding cultural and historical remains. At the completion of the archaeological testing program, the archaeologist would submit a written report first and directly to the ERO and the President of the LPAB, with a copy to the project sponsor, which describes the findings, assesses their significance and proposes appropriate recommendations for any additional procedures necessary for the mitigation of adverse impacts to cultural resources determined to be significant.</p> <p>Retain a certified archaeologist to supervise a program of on-site monitoring during site excavation in the six historic resource areas, following site clearance and pre-excavation testing.</p> <p>The certified archaeologist would record observations in a permanent log. Should cultural or historic artifacts be found following commencement of excavation activities, the archaeologist would assess the significance of the find, and immediately report to the ERO and the President of LPAB.</p> <p>Upon receiving the advice of the consultant and the LPAB, the ERO would recommend specific mitigation measures, if necessary. The monitoring program, whether or not there are finds of significance, would result in a written report to be submitted first and directly to the ERO and the President of the LPAB, with a copy to the project sponsor.</p> <p>Suspend excavation or construction activities which might damage discovered cultural resources for a total maximum of four weeks over the course of construction at each site to permit inspection, recommendation and retrieval, if appropriate.</p> <p>Implement an appropriate security program to prevent looting or destruction, if cultural resources of potential significance are discovered. Any discovered cultural artifact assessed as significant by the archaeologist upon concurrence by the ERO and the President of the LPAB would be placed in a repository designated for such materials or possibly exhibited in a public display. Following approval of the archaeological testing and monitoring program reports by the ERO and the President of LPAB, a final report would be sent to the California Archaeological Site Survey Office at Sonoma State University, the Foundation for San Francisco's Architectural Heritage and the State Office of Historic Preservation. The Office of Environmental Review would receive three final copies of the final archaeological findings report. Archaeological testing could be coordinated with other site investigations for geotechnical and toxic waste purposes.</p>	Owner, other developers	R.A.	Planning Department, ERO; LPAB President	Prior to excavation; ongoing activities and reporting as required by measure. An archaeological work plan including pre-excavation testing will be required to be submitted as part of Project Schematic Design submittal and approved as part of Project Schematic Design approval.	Submit Archaeological Work Plan as part of Project Schematic Design submittal. Work Plan to be approved as part of Project Schematic Design approval.	This measure is applicable to blocks N3 and N4a only.	(9/18/00 - Winzler & Kelly) An Archaeological report was prepared by Archeo-Tec on June 9, 2000. Refer to notes 17 and 45 on Sheet C1.3. This mitigation measure is only applicable to block N3 and N4a.	9/25/2000	12/23/00 No Comment	12/23/2000 Pending City Action	

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Major Phase											
D.06 UNKNOWN ARCHAEOLOGICAL REMAINS											
D.06. The entire Mission Bay Project Area has at least some sensitivity for the presence of unknown archaeological remains. Prehistoric cultural deposits could be encountered in three identified areas and unknown historical features, artifact caches and debris areas could be located anywhere in the Project Area. Follow procedures for instructing excavation crews, notifying the ERO and President of the LPAB, and developing recovery measures, as described in Measure D.03, above. In addition, in the event that prehistoric archaeological deposits are discovered, consult local Native American organizations. Dialogue with the ERO, LPAB and the archaeological consultant would take place in developing acceptable archaeological testing & excavation procedures, particularly in regard to the disposition of cultural materials and Native American burials.	Owner, other developers	R.A.	Planning Department, ERO; LPAB President	Prior to excavation; ongoing implementation as required by measure	Prior to preparation of the work plan consultant shall consult with ERO and LPAB to develop a testing and excavation procedures.	This measure is applicable for blocks N3, N3a, N4, N4a— see Implementation column.	(9/18/00 - Winzler & Kelly) Mitigation displayed on N3/N3A Improvement Plans. Refer notes 17 and 45 on Sheet C1.3.	9/25/2000	12/23/00 No Comment	12/23/2000 Pending City Action	
(Condition Major Plan Accordingly to require on individual building sites or potential for single coordinated program for Block)											
E.47 TRANSPORTATION SYSTEM MANAGEMENT (TSM) PLAN											
E.47. Prepare a TSM Plan, which could include the following elements:	Owner (TMA), other developers	R.A.	DPT; PTC	As identified by TMA; ongoing review with Agency	<ol style="list-style-type: none"> 1. The TSM is an attachment to the OPA-specific recommendations will be provided by the TMA. 2. DPT to contact TMA to confirm preparation of TSM plan prior to first phase approval. 3. TMA to submit periodic status reports to DPT. 4. TMA to submit completed TSM plan with first phase plans to DPT for review. 5. DPT to approve TSM plan with first phase approvals. 6. TMA to implement TSM plan. 7. DPT to inspect project area to ensure compliance with TSM plan. 8. The TMA will submit an annual report to the Redevelopment Agency and the Planning Department that provides implementation details. 	The following measures E.47a-E49 will be addressed by the TMA.	Mitigation implementation addressed in Owner Participation Agreement (OPA), adopted 11/16/98 and effective 12/3/98. OPA on file with City of San Francisco, 1660 Mission Street, San Francisco, Ca. 94103. (415) 558-6378	9/25/2000	5/4/99 No Comment	5/4/1999 A conceptual TSM and strategic plan was prepared and subsequently approved on May 4, 1999. Implementation of the specific measures within the Conceptual TSM may be applied to individual sites as determined by the TMA.	Bill Silva (415) 283-4970 billsilva@w-and-k.com

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Major Phase											
E.47a. Shuttle Bus System Operate shuttle bus service between Mission Bay and regional transit stops in San Francisco (e.g., BART, Caltrain, Ferry Terminal, Transbay Transit Terminal), and specific gathering points in major San Francisco residential neighborhoods (e.g., Richmond and Mission Districts).	Owner (TMA)	R.A.	DPT; PTC	As identified by TMA; ongoing review with Agency	See implementation procedures identified for Mitigation Measure E.47.	The TMA will evaluate the appropriateness of these mitigation measures in its annual report.	See implementation status identified for Mitigation Measure E.47.	9/25/2000	5/4/99 No Comment	5/4/1999 Implementation of specific measures may be applied to individual sites.	Bill Silva (415) 283-4970 billsilva@w-and-k.com
E.47b. Transit Pass Sales Sell transit passes in neighborhood retail stores and commercial buildings in the Project Area.	Owner (TMA); other developers	R.A.	DPT; PTC	As identified by TMA; ongoing review with Agency	See implementation procedures identified for Mitigation Measure E.47.		See implementation status identified for Mitigation Measure E.47.	9/25/2000	5/4/99 No Comment	5/4/1999 Implementation of specific measures may be applied to individual sites.	Bill Silva (415) 283-4970 billsilva@w-and-k.com
E.47c. Employee Transportation Subsidies Provide a system of employee transportation subsidies for major employers.	Owner (TMA); major employers	R.A.	DPT; PTC	As identified by TMA; ongoing review with Agency	See implementation procedures identified for Mitigation Measure E.47.		See implementation status identified for Mitigation Measure E.47.	9/25/2000	5/4/99 No Comment	5/4/1999 Implementation of specific measures may be applied to individual sites.	Bill Silva (415) 283-4970 billsilva@w-and-k.com
E.47e. Secure Bicycle Parking Provide secure bicycle parking areas in parking garages of residential buildings, office buildings, and research and development facilities. Provide secure bicycle parking areas by 1) constructing secure bicycle parking at a ratio of 1 bicycle parking space for every 20 automobile parking spaces, and 2) carrying out an annual survey program during project development to establish trends in bicycle use and to estimate demand for secure bicycle parking and for sidewalk bicycle racks, increasing the number of secure bicycle parking spaces or racks either in new buildings or in existing automobile parking facilities to meet the estimated demand. Provide secure bicycle racks throughout Mission Bay for the use of visitors.	Owner (TMA), other developers	R.A.		As identified by TMA; ongoing review with Agency	See implementation procedures identified for Mitigation Measure E.47.		See implementation status identified for Mitigation Measure E.47.	9/25/2000	5/4/99 No Comment	5/4/1999 Implementation of specific measures may be applied to individual sites.	Bill Silva (415) 283-4970 billsilva@w-and-k.com
E.47f. Appropriate Street Lighting. Ensure that sidewalks in Mission Bay are sufficiently lit to provide pedestrians and bicyclists with a greater sense of safety, and thereby encourage Mission Bay employees, visitors, and residents to walk and bicycle to and from Mission Bay.	Owner (TMA)	R.A.		As identified by TMA; ongoing review with Agency	See implementation procedures identified for Mitigation Measure E.47.		See implementation status identified for Mitigation Measure E.47. (9/18/00 - Winzler & Kelly) Lighting design shown on N3/N3A Improvement Plans. See Sheets L1.1 through L1.9.	10/10/2000	5/4/99 No Comment	5/4/1999 Implementation of specific measures may be applied to individual sites.	Bill Silva (415) 283-4970 billsilva@w-and-k.com

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Major Phase											
E.47g. Transit, Pedestrian and Bicycle Route Information Provide maps of the local and citywide pedestrian and bicycle routes with transit maps and information on kiosks throughout the Project Area to promote multi-modal travel.	PTC, DPW to provide in connection with transit shelters and other transit signage		PTC; DPW	In conjunction with transit shelter and signage plans	See implementation procedures identified for Mitigation Measure E.47.		See implementation status identified for Mitigation Measure E.47.	9/25/2000	5/4/99 No Comment	5/4/1999 Implementation of specific measures may be applied to individual sites.	Bill Silva (415) 283-4970 billsilva@w-and-k.com
E.47h. Parking Management Guidelines Establish parking management guidelines for the private operators of parking facilities in the Project Area.	Owner (TMA)	R.A.		As identified by TMA; ongoing review with Agency	See implementation procedures identified for Mitigation Measure E.47.		See implementation status identified for Mitigation Measure E.47.	9/25/2000	5/4/99 No Comment	5/4/1999 Implementation of specific measures may be applied to individual sites.	Bill Silva (415) 283-4970 billsilva@w-and-k.com

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Tentative Map											
E.08 FOURTH STREET/KING STREET											
E.08a. Widen the eastbound approach to provide an exclusive right-turn lane.	Owner	R.A.	DPW; DPT	Provide trip generation calculations and Infrastructure adjacency information; identify any improvements based on cumulative or adjacency thresholds as part of Major Phase and/or Subdivision map review		Adjacency principle will require implementation with Block N3.	Reconfigure signal & widen street when 5,500 PM Peak Hour Trips are produced. (9/18/00 - Winzler & Kelly) Widened King Street to create additional lane. However, one lane is an exclusive left turn lane, two through, and one through/right turn lane.	10/10/2000	2/14/01 No Comment	Pending Construction and Inspection	
E.08b. Reconfigure the existing traffic signal.	Owner; PTC, if PTC elects to commence service before Owner's obligation to construct is otherwise triggered	R.A.	DPW; DPT	Provide trip generation calculations and Infrastructure adjacency information; identify any improvements based on cumulative or adjacency thresholds as part of Major Phase and/or Subdivision map review	<ol style="list-style-type: none"> 1. Condition tentative tract map to require reconfiguration of the existing traffic signal at 4th/King Street. 2. Refer to Infrastructure plan for specific timing and implementation responsibility. 3. DPW or DPT to inspect intersection to ensure modifications were completed. 	The adjacency phasing principle requires implementation of these measures.	Reconfigure signal & widen street when 5,500 PM Peak Hour Trips are produced. (9/18/00 - Winzler & Kelly) Existing signals reconfigured on N3/N3A Improvement Plans. Refer to Sheet T1.2 and T1.3.	9/25/2000	2/14/01 No Comment	Pending Construction and Inspection	
E.08c. Install "Don't Block the Box" signs.	Owner	R.A.	DPW; DPT	Provide trip generation calculations and Infrastructure adjacency information; identify any improvements based on cumulative or adjacency thresholds as part of Major Phase and/or Subdivision map review	<ol style="list-style-type: none"> 1. Condition tentative tract map to require reconfiguration of the existing traffic signal at 4th/King Street. 2. Refer to Infrastructure plan for specific timing and implementation responsibility. 3. DPW or DPT to inspect intersection to ensure modifications were completed. 	The adjacency phasing principle requires implementation of these measures.	Reconfigure signal & widen street when 5,500 PM Peak Hour Trips are produced. (9/18/00 - Winzler & Kelly) Signs noted on N3/N3A Improvement Plans. Refer to Sheet T2.2.	10/10/2000	2/14/01 No Comment	Pending Construction and Inspection	

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Tentative Map											
E.09 FOURTH STREET/BERRY STREET											
E.09a. Restripe the westbound approach to provide an additional lane.	Owner	R.A.	DPW; DPT	Provide trip generation calculations and Infrastructure adjacency information; identify any improvements based on cumulative or adjacency thresholds as part of Major Phase and/or Subdivision map review	<ol style="list-style-type: none"> 1. Condition tentative tract map to depict striping plans to provide an additional westbound lane. 2. Refer to Infrastructure plan for specific timing and implementation responsibility. 3. DPW or DPT to inspect intersection to ensure modifications were completed. 	The adjacency phasing principle requires implementation of these measures.	Addressed in N2 Improvement Plans. Refer to Sheet C1.5 and C6.5.	10/10/2000	2/14/01 No Comment	Pending Construction and Inspection	
E.09b. Restripe the northbound approach to provide an additional lane.	Owner	R.A.	DPW; DPT	Provide trip generation calculations and Infrastructure adjacency information; identify any improvements based on cumulative or adjacency thresholds as part of Major Phase and/or Subdivision map review	<ol style="list-style-type: none"> 1. Condition tentative tract map to depict striping plans to provide an additional northbound lane. 2. Refer to Infrastructure plan for specific timing and implementation responsibility. 3. DPW or DPT to inspect intersection to ensure modifications were completed. 	The adjacency phasing principle requires implementation of these measures.	9/18/00 - Winzler & Kelly) Restriped to provide additional lane. Refer to Improvement Plans, Sheet T2.4 and T2.6.	10/16/2000	2/14/01 No Comment	Pending Construction and Inspection	
E.09c. Reconfigure the existing traffic signal.	Owner; PTC if PTC elects to commence service before Owner's obligation to construct is otherwise triggered	R.A.	DPW; DPT	Provide trip generation calculations and Infrastructure adjacency information; identify any improvements based on cumulative or adjacency thresholds as part of Major Phase and/or Subdivision map review	<ol style="list-style-type: none"> 1. Condition subdivision map to reconfigure the 4th/Berry Street traffic signal. 2. Refer to Infrastructure plan for specific timing and implementation responsibility. 3. DPW or DPT to inspect intersection to ensure modifications were completed. 	The adjacency phasing principle requires implementation of these measures.	Reconfigure signal when 14,200 PM Peak Hour Trips are produced. (9/18/00 - Winzler & Kelly) Existing signals reconfigured on N3/N3A Improvement Plans. Refer to Sheets T1.4 and T1.5.	10/11/2000	2/14/01 No Comment	Pending Construction and Inspection	

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Tentative Map											
E.09d. Install "Don't Block the Box" signs.	Owner	R.A.	DPW; DPT	Provide trip generation calculations and Infrastructure adjacency information; identify any improvements based on cumulative or adjacency thresholds as part of Major Phase and/or Project-level plan review	<ol style="list-style-type: none"> 1. Condition tentative tract map to depict "Don't Block the Box" striping plans. 2. Refer to Infrastructure plan for specific timing and implementation responsibility. 3. DPW or DPT to inspect intersection to ensure modifications were completed. 		Reconfigure signal when 14,200 PM Peak Hour Trips are produced. (9/18/00 - Winzler & Kelly) Signs noted on N3/N3A Improvement Plans. Refer to Sheet T2.4.	10/10/2000	2/14/01 No Comment	Pending Construction and Inspection	
E.19 FIFTH STREET/KING STREET											
E.19a. Narrow approximately 250 feet of the median on the westbound approach to provide an exclusive left-turn lane.	Subject to regulatory approvals, Owner to construct; City to apply for approvals	R.A.	DPW; DPT; Caltrans	Provide trip generation calculations and Infrastructure adjacency information; identify any improvements based on cumulative or adjacency thresholds as part of Major Phase and/or Subdivision map review	<ol style="list-style-type: none"> 1. Refer to Infrastructure plan for specific timing and implementation responsibility. 2. DPW or DPT to inspect intersection to ensure modifications were completed. 	The adjacency phasing principle requires implementation of these measures.	Narrow median & reconfigure signal when 8,200 PM Peak Hour Trips are produced. (9/18/00 - Winzler & Kelly) This mitigation is shown on N3/N3A Improvement Plans. Refer to Sheet T2.1.	10/11/2000	2/14/01 No Comment	Pending Construction and Inspection	
E.19b. Restripe the I-280 off-ramp touchdown and narrow the median on the south side of King Street for a distance of about 300 feet beginning at the intersection with Fifth Street, to increase the number of eastbound lanes from the existing two to three.	Subject to regulatory approvals, Owner to construct; City to apply for approvals	R.A.	DPW; DPT; Caltrans	Provide trip generation calculations and Infrastructure adjacency information; identify any improvements based on cumulative or adjacency thresholds as part of Major Phase and/or Subdivision map review	<ol style="list-style-type: none"> 1. Refer to Infrastructure plan for specific timing and implementation responsibility. 2. DPW or DPT to inspect intersection to ensure modifications were completed. 	The adjacency phasing principle requires implementation of these measures.	Narrow median & reconfigure signal when 8,200 PM Peak Hour Trips are produced. (9/18/00 - Winzler & Kelly) Median narrowed on N3/N3A Improvement Plans. Refer to Sheets T2.1 and C5.1. RESTRIPIPING WILL BE SUBMITTED UNDER 5TH/KING IP.	10/11/2000	2/14/01 No Comment	Pending Construction and Inspection	

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Tentative Map											
E.19c. Reconfigure the existing traffic signal.	Subject to regulatory approvals, Owner to construct	R.A.	DPW; DPT; Caltrans	Provide trip generation calculations and Infrastructure adjacency information; identify any improvements based on cumulative or adjacency thresholds as part of Major Phase and/or Subdivision map review	<ol style="list-style-type: none"> 1. Refer to Infrastructure plan for specific timing and implementation responsibility. 2. DPW or DPT to inspect intersection to ensure modifications were completed. 	The adjacency phasing principle requires implementation of these measures.	Narrow median & reconfigure signal when 8,200 PM Peak Hour Trips are produced. WILL BE SUBMITTED UNDER 5TH/KING IP.	10/11/2000	2/14/01 No Comment	Pending Construction and Inspection	
E.23 FOURTH STREET											
E.23a. Widen Fourth Street between China Basin Channel and King Street to accommodate the Third Street light rail tracks and a MUNI station platform between Berry and King Streets. (Condition Map)	Owner, PTC as allocated in Infrastructure Plans	R.A.	DPW; PTC; DPT	Provide trip generation calculations and Infrastructure adjacency information; identify any improvements based on cumulative or adjacency thresholds as part of Major Phase and/or Subdivision map review	<ol style="list-style-type: none"> 1. Condition subdivision map to widen the north bound traffic lane to accommodate MUNI light rail and transit stop. 2. Refer to Infrastructure plan for specific timing and implementation responsibility. 3. DPW or DPT to inspect street segment to ensure modifications were completed. 	This measure is applicable based on the adjacency phasing principle.	(9/5/00 - KCA Engineers) Fourth street widened to accommodate MUNI platform. Refer to Tentative Map MB-4, Sheets 6 of 12 and 10 of 12.	10/11/2000	2/14/01 No Comment	Pending Construction and Inspection	Fred Dejarlais (415) 546-7111 fred_dejarlais@mindspring.com
E.24 KING STREET											
E.24a. Widen eastbound King Street between Fifth and Fourth Streets to accommodate the lane configurations for the Fourth Street/King Street intersection in Measure E.08.	Owner	R.A.	DPW; DPT	Provide trip generation calculations and Infrastructure adjacency information; identify any improvements based on cumulative or adjacency thresholds as part of Major Phase and/or Subdivision map review	<ol style="list-style-type: none"> 1. Refer to Infrastructure plan for specific timing and implementation responsibility. 2. DPW or DPT to inspect street segment to ensure modifications were completed. 	The adjacency phasing principle requires implementation of these measures.	Street segment improvement shall be implemented 5,500 PM Peak Hour Trips are produced. (9/18/00 - Winzler & Kelly) Eastbound King Street widened on N3/N3A Improvement Plans. Refer to Sheets C5.1, C5.2, T2.1, and T2.2.	10/10/2000	2/14/01 No Comment	Pending Construction and Inspection	

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Tentative Map											
E.24b. Construct westbound King Street frontage road between Fifth Street and Berry Street.	Owner	R.A.	DPW; DPT	Provide trip generation calculations and Infrastructure adjacency information; identify any improvements based on cumulative or adjacency thresholds as part of Major Phase and/or Subdivision map review	<ol style="list-style-type: none"> 1. Refer to Infrastructure plan for specific timing and implementation responsibility. 2. DPW or DPT to inspect street segment to ensure modifications were completed. 	The adjacency phasing principle requires implementation of these measures.	Street segment improvement shall be implemented 5,500 PM Peak Hour Trips are produced. (8/16/00 - Winzler & Kelly) To be addressed in N4 improvement plans (Phase III or N3/N4/N3a/N4a improvements).	10/10/2000	2/14/01 No Comment	Pending Construction and Inspection	
E.28 MUNI LINE 30-STOCKTON OR 45-UNION/STOCKTON											
E.28a. Construct Mission Bay Street, the Seventh Street Connector to North and South Common Streets and the Caltrain at-grade rail crossing, and the portion of North and South Common Streets east of Third Street, early enough in project development to accommodate MUNI trolleybus travel, including poles and eyebolts supporting trolley wires, and provide poles and/or eyebolts supporting trolley wires along 16th Street and a portion of Common Streets in the Project Area, as described in Measure E.27 and above in this Measure; or	Subject to regulatory approvals, Owner, PTC as allocated in Infrastructure Plans	R.A.	DPW; PTC; Caltrain; CPUC; JPB	Provide trip generation calculations and Infrastructure adjacency information; identify any improvements based on cumulative or adjacency thresholds as part of Major Phase and/or Project-level plan review	<ol style="list-style-type: none"> 1. Refer to Infrastructure plan for specific timing and implementation responsibility. 2. DPW to inspect the MUNI line to ensure modifications were completed. 	This measure is applicable to the South Plan Area but is not warranted by the adjacency principle or traffic threshold triggers for Blocks 26-28 Major Phase.	Phasing and timing of these measures to be determined by Muni prior to approval of the second final subdivision map for any portion of Blocks 26-28. Construction of the North and South Common Streets east of Third Street to accommodate MUNI trolleybus t	9/21/2000	2/14/01 No Comment	Pending Construction and Inspection	

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Tentative Map											
H.07 CORROSIVITY											
H.07. Test soils for sulfate and chloride content. If necessary, use admixtures in concrete so it would not be susceptible to attack by sulfates, and/or use coated metal pipes so that pipes would be more resistant to corrosion by chlorides.	Owner, other developers		DPW; DBI	Include in relevant Infrastructure Improvement plans	<ol style="list-style-type: none"> 1. In conjunction with building permit review applicant shall submit a soils report which analyzes soil for sulfate and chloride content. 2. DPW in consultation with DBI to require testing prior to issuance of building or site permits. 3. Owner/other developers to retain services of a geotechnical consultant to test soils. 4. Consultant prepares report of results. 5. Owner/other developers to submit report to DPW and DBI for review. 6. DBI to impose building material modifications as necessary to reduce impacts of corrosivity during project review and approval. 7. Owner/other developers to construct project with required building material modifications. 8. DPW or DBI to inspect buildings to ensure compliance with mitigation measure. 	A soils report is required prior to the issuance of building permits.	Submitted under Block N3/N3A project manual	10/10/2000	2/14/01 No Comment	Pending Construction and Inspection	

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Tentative Map											
K.01 STORMWATER POLLUTION PREVENTION PROGRAM (SWPPP)											
K.01. Develop and implement a comprehensive Stormwater Pollution Prevention Plan (SWPPP) for all construction activities within the Project Area to avoid and minimize erosion and sedimentation in China Basin Channel and San Francisco Bay and to manage other aspects of the construction site. Include at least the following Best Management Practices, or substantially equivalent measures.	Owner, other developers		DPW; DBI; San Francisco Public Utilities Commission (SFPUC)	Submit as part of subdivision improvement plans; condition Tentative Map to require approval of SWPPP prior to commencing construction on street improvements.	<ol style="list-style-type: none"> 1. DPW and DBI to require owner/other developers to prepare SWPPP prior to project approval. 2. Owner/other developers to prepare SWPPP in consultation with SFPUC and submit to DPW and DBI for review and approval. 3. DBI to require relevant elements of SWPPP to be included in subdivision improvement plans. 4. SWPPP to be provided on the job site. 5. DPI to inspect construction sites to ensure compliance with SWPPP. 	SWPPP shall be prepared or available on the job site.	Submitted under Block N3N3A SWPPP,	10/10/2000	2/14/01 No Comment	Pending Submission of Site Specific SWPPP	
K.01a. Minimize dust during demolition, grading, and construction by lightly spraying exposed soil on a regular basis.	Owner, other developers		DPW; DBI	Submit as part of subdivision improvement plans; condition Tentative Map to require approval of SWPPP prior to commencing construction on street improvements	See implementation procedures identified for Mitigation Measure K.01.	Addressed within SWPPP.	Submitted under Block N3N3A SWPPP,	10/10/2000	2/14/01 No Comment	A Conceptual SWPPP was prepared and completed by California Soil & Environmental Consultants Inc. on November 1999. Implementation of the specific measures within the plan may be applied to individual sites as determined by the PUC.	

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Mitigation Measures	Mitigation Response	SFRA RA	Responsible (Other)	Mitigation Schedule	Implementation Procedures	Is Measure Applicable?	Implementation Status/Verification	RBF Review Date	Approval Date	Implementation	Name Phone/E-mail
Tentative Map											
K.01b. Minimize wind and water erosion on temporary soil stockpiles by spraying with water during dry weather and covering with plastic sheeting or other similar material during the rainy season (November to April).	Owner, other developers		DPW; DBI	Submit as part of subdivision improvement plans; condition Tentative Map to require approval of SWPPP prior to commencing construction on street improvements	See implementation procedures identified for Mitigation Measure K.01.	Addressed within SWPPP.	Submitted under Block N3N3A SWPPP,	10/10/2000	2/14/01 No Comment	Pending Submission of Site Specific SWPPP	
K.01c. Minimize the area and length of time during which the site is cleared and graded.	Owner, other developers		DPW; DBI	Submit as part of subdivision improvement plans; condition Tentative Map to require approval of SWPPP prior to commencing construction on street improvements	See implementation procedures identified for Mitigation Measure K.01.	Addressed within SWPPP.	Submitted under Block N3N3A SWPPP,	10/10/2000	2/14/01 No Comment	Pending Submission of Site Specific SWPPP	
K.01d. Prevent the release of construction pollutants such as cement, mortar, paints and solvents, fuel and lubricating oils, pesticides, and herbicides by storing such materials in a bermed, or otherwise secured, area.	Owner, other developers		DPW; DBI	Submit as part of subdivision improvement plans; condition Tentative Map to require approval of SWPPP prior to commencing construction on street improvements	See implementation procedures identified for Mitigation Measure K.01.	Addressed within SWPPP.	Submitted under Block N3N3A SWPPP,	10/10/2000	2/14/01 No Comment	Pending Submission of Site Specific SWPPP	
K.01e. As needed, install filter fences around the perimeter of the construction site to prevent off-site sediment discharge. Prior to grading the bank slopes of China Basin Channel for the proposed channel-edge treatments, install silt or filter fences to slow water and remove sediment. As needed, properly trench and anchor in the silt or filter fences so that they stand up to the forces of tidal fluctuation and wave action, and do not allow sediment-laden water to escape underneath them.	Owner, other developers		DPW; DBI	Submit as part of subdivision improvement plans; condition Tentative Map to require approval of SWPPP prior to commencing construction on street improvements	See implementation procedures identified for Mitigation Measure K.01.	Addressed within SWPPP.	Submitted under Block N3N3A SWPPP,	10/10/2000	2/14/01 No Comment	Pending Submission of Site Specific SWPPP	
K.01f. Follow design and construction standards found in the Manual of Standards for Erosion and Sediment Control Measures for placement of riprap and stone size.	Owner, other developers	DPW; DBI	Submit as part of subdivision improvement plans; condition Tentative Map to require approval of SWPPP prior to commencing construction on street improvements	See implementation procedures identified for Mitigation Measure K.01.		Addressed within SWPPP.	Submitted under Block N3N3A SWPPP,	10/10/2000	2/14/01 No Comment	Pending Submission of Site Specific SWPPP	

MISSION BAY NORTH AND MISSION BAY SOUTH MITIGATION STATUS REPORT

Block N04

Mitigation Measures	Mitigation Response	SFRA RA	Responsible (Other)	Mitigation Schedule	Implementation Procedures	Is Measure Applicable?	Implementation Status/Verification	RBF Review Date	Approval Date	Implementation	Name Phone/E-mail
Tentative Map											
K.01g. Install and maintain sediment and oil and grease traps in local stormwater intakes during the construction period, or otherwise properly control oil and grease discharges.	Owner, other developers		DPW; DBI	Submit as part of subdivision improvement plans; condition Tentative Map to require approval of SWPPP prior to commencing construction on street improvements	See implementation procedures identified for Mitigation Measure K.01.	Addressed within SWPPP.	Submitted under Block N3N3A SWPPP,	10/10/2000	2/14/01 No Comment	Pending Submission of Site Specific SWPPP	
K.01h. Clean wheels and cover loads of trucks carrying excavated soils before they leave the construction site.	Owner, other developers		DPW; DBI	Submit as part of subdivision improvement plans; condition Tentative Map to require approval of SWPPP prior to commencing construction on street improvements	See implementation procedures identified for Mitigation Measure K.01.	Addressed within SWPPP.	Submitted under Block N3N3A SWPPP,	10/10/2000	2/14/01 No Comment	Pending Submission of Site Specific SWPPP	
K.01i. Implement a hazardous material spill prevention, control, and clean-up program for the construction period. As needed, the program would include measures such as constructing swales and barriers that would direct any potential spills away from the Channel and the Bay and into containment basins to prevent the movement of any materials from the construction site into water.	Owner, other developers		DPW; DBI	Submit as part of subdivision improvement plans; condition Tentative Map to require approval of SWPPP prior to commencing construction on street improvements	See implementation procedures identified for Mitigation Measure K.01.	Addressed within SWPPP.	Submitted under Block N3N3A SWPPP.	10/10/2000	2/14/01 No Comment	Pending Submission of Site Specific SWPPP	
K.03 SEWER IMPROVEMENT DESIGN											
K.03. Design and construct sewer improvements such that potential flows to the City's combined sewer system from the project do not contribute to an increase in the annual overflow volume as projected by the Bayside Planning Model by providing increased storage in oversized pipes, centralized storage facilities, smaller dispersed storage facilities, or detention basins, or through other means to reduce or delay stormwater discharges to the City system.	Subject to regulatory approvals, owner, other developers		Agency; DPW; SFPUC	Submit as part of subdivision improvement plans	<ol style="list-style-type: none"> 1. Owner/other developers to prepare sewer improvement plan in consultation with SFPUC. 2. Owner/other developers to submit sewer improvement plan with SFPUC approval as part of subdivision improvement plans for Agency and DPW review. 3. Agency and DPW to approve plans. 4. Owner/other developers to construct sewer improvements. 5. DPW to inspect improvements to ensure compliance with mitigation measure. 	Applies to Mission Bay North and South Project areas. Project areas will be designed with a separation storm water runoff conveyance system which will reduce the City's annual CSO overflow volume.			2/14/01 No Comment	Pending Construction and Inspection	

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Mitigation Measures	Mitigation Response	SFRA RA	Responsible (Other)	Mitigation Schedule	Implementation Procedures	Is Measure Applicable?	Implementation Status/Verification	RBF Review Date	Approval Date	Implementation	Name Phone/E-mail
Tentative Map											
K.06 STRUCTURE PLACEMENT AND DESIGN TO MINIMIZE DANGERS OF FLOODING											
K.06. Structures in the Project Area should be designed and located in such a way to assure the reasonable safety of structures and shoreline protective devices built in the Bay or in low-lying shoreline areas from the dangers of tidal flooding, including consideration of a rise in relative sea level. Detailed construction specifications to mitigate against impacts of a sea-level rise, however, would require specific flood protection engineering and building analysis by a licensed engineer where structures are proposed below a 99-foot elevation (Mission Bay Datum). Measures include:	Owner, other developers		DBI; DPW	Submit as part of subdivision improvement plans; check elevation as part of Tentative Map review	<ol style="list-style-type: none"> 1. Owner/other developers to include modifications required by mitigation measure to project site plan and submit plan for review by DBI and DPW. 2. DPI and DPW to review and approve modified site plan. 3. Owner/other developers to construct project with modifications. 4. DBI or DPW to inspect structures to ensure compliance with mitigation measure. 	All structures within project area shall be designed to a minimum elevation 99'.0. The measures K.06a-K.06f are only applicable for building designed at an elevation below 99'.0.	(9/5/00 - KCA Engineers) The Tentative Map MB-4 shows that the final floor levels will be 99' or above. Refer to note 26 on Sheet 1 of 12.	10/11/2000	2/14/01 No Comment	Pending Construction and Inspection	Fred Dejarlais (415) 546-7111 fred_dejarlais@mindspring.com
K.06a. Setback from the water's edge	Owner, other developers		DBI; DPW	Submit as part of site permit review; check elevation as part of Tentative Map review	<ol style="list-style-type: none"> 1. Owner/other developers to include modifications required by mitigation measure to project site plan and submit plan for review by DBI and DPW. 2. DPI and DPW to review and approve modified site plan. 3. Owner/other developers to construct project with modifications. 4. DBI or DPW to inspect structures to ensure compliance with mitigation measure. 		(9/5/00 - KCA Engineers) The Tentative Map MB-4 shows that the final floor levels will be 99' or above. Refer to note 26 on Sheet 1 of 12.	10/19/2000	2/14/01 No Comment	Pending Construction and Inspection	Fred Dejarlais (415) 546-7111 fred_dejarlais@mindspring.com
K.06c. Provide for dewatering basements	Owner, other developers		DBI; DPW	Submit as part of site permit review; check elevation as part of Tentative Map review	<ol style="list-style-type: none"> 1. Owner/other developers to include modifications required by mitigation measure to project site plan and submit plan for review by DBI and DPW. 2. DPI and DPW to review and approve modified site plan. 3. Owner/other developers to construct project with modifications. 4. DBI or DPW to inspect structures to ensure compliance with mitigation measure. 		(9/5/00 - KCA Engineers) The Tentative Map MB-4 shows that the final floor levels will be 99' or above. Refer to note 26 on Sheet 1 of 12.	10/19/2000	2/14/01 No Comment	Pending Construction and Inspection	Fred Dejarlais (415) 546-7111 fred_dejarlais@mindspring.com

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Block N04

Mitigation Measures	Mitigation Response	SFRA RA	Responsible (Other)	Mitigation Schedule	Implementation Procedures	Is Measure Applicable?	Implementation Status/Verification	RBF Review Date	Approval Date	Implementation	Name Phone/E-mail
Tentative Map											
K.06d. Construct streets and sidewalks above existing grades by reducing the amount of excavation for utilities or basements	Owner, other developers		DBI; DPW	Submit as part of site permit review; check elevation as part of Tentative Map review	<ol style="list-style-type: none"> Owner/other developers to include modifications required by mitigation measure to project site plan and submit plan for review by DBI and DPW. DPI and DPW to review and approve modified site plan. Owner/other developers to construct project with modifications. DBI or DPW to inspect structures to ensure compliance with mitigation measure. 		(9/5/00 - KCA Engineers) The Tentative Map MB-4 shows that the final floor levels will be 99' or above. Refer to note 26 on Sheet 1 of 12.	10/19/2000	2/14/01 No Comment	Pending Construction and Inspection	Fred Dejarlais (415) 546-7111 fred_dejarlais@mindspring.com
K.06e. Use topsoil to raise the level of public open spaces	Owner, other developers		DBI; DPW	Submit as part of site permit review; check elevation as part of Tentative Map review	<ol style="list-style-type: none"> Owner/other developers to include modifications required by mitigation measure to project site plan and submit plan for review by DBI and DPW. DPI and DPW to review and approve modified site plan. Owner/other developers to construct project with modifications. DBI or DPW to inspect structures to ensure compliance with mitigation measure. 		(9/5/00 - KCA Engineers) The Tentative Map MB-4 shows that the final floor levels will be 99' or above. Refer to note 26 on Sheet 1 of 12.	10/19/2000	2/14/01 No Comment	Pending Construction and Inspection	Fred Dejarlais (415) 546-7111 fred_dejarlais@mindspring.com
K.06f. Use half-basements and partially depressed garage levels to minimize excavation	Owner, other developers		DBI; DPW	Submit as part of site permit review; check elevation as part of Tentative Map review	<ol style="list-style-type: none"> Owner/other developers to include modifications required by mitigation measure to project site plan and submit plan for review by DBI and DPW. DPI and DPW to review and approve modified site plan. Owner/other developers to construct project with modifications. DBI or DPW to inspect structures to ensure compliance with mitigation measure. 		(9/5/00 - KCA Engineers) The Tentative Map MB-4 shows that the final floor levels will be 99' or above. Refer to note 26 on Sheet 1 of 12.	10/19/2000	2/14/01 No Comment	Pending Construction and Inspection	Fred Dejarlais (415) 546-7111 fred_dejarlais@mindspring.com

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Block N04

Mitigation Measures	Mitigation Response	SFRA RA	Responsible (Other	Mitigation Schedule	Implementation Procedures	Is Measure Applicable?	Implementation Status/Verification	RBF Review Date	Approval Date	Implementation	Name Phone/E-mail
Project Level Review											
D.01 LIGHTING AND GLARE											
D.01. Design parking structure lighting to minimize off-site glare. The design could include 45-degree cutoff angles on light fixtures to focus light within the site, and specifications that spill lighting from parking areas would be 0.25 foot-candle or less at 5 feet from the property line of the parking areas. Applies to individual sites within the Project Area.	Owner, other developers	R.A.	DBI	Submit design specifications as part of plan review and site permit processes	<ol style="list-style-type: none"> 1. Owner/other developers to submit draft lighting plan to DBI during plan review. 2. DBI to review draft lighting plan and provide comments/proposed revisions to owner/other developers. 3. Owner/other developers to revise plans accordingly and submit final lighting plan for DBI review and approval. 4. Owner/other developers to construct project structures and implement lighting plan. 5. DBI to inspect project structures and lighting for light and glare impacts. 	The Major Phase review establishes the land use programming. Compliance with this measure requires the submission of detailed design drawings.	Detailed design drawings are not part of this submission phase.	9/25/2000		Pending Design Submission	

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Block N04

Mitigation Measures	Mitigation Response	SFRA RA	Responsible (Other)	Mitigation Schedule	Implementation Procedures	Is Measure Applicable?	Implementation Status/Verification	RBF Review Date	Approval Date	Implementation	Name Phone/E-mail
Project Level Review											
D.03 ARCHAEOLOGICAL RESOURCES											
<p>D.03. Retain the services of an archaeologist, because of the strong possibility of encountering the remains of cultural or historic artifacts or features in the six historic resources areas. The Environmental Review Officer (ERO) in consultation with the President of the Landmarks Preservation Advisory Board (LPAB) and the archaeologist would determine: 1) whether the archaeologist should instruct all excavation and foundation crews on the project site of the potential for discovery of historic archaeological deposits and artifacts, and the procedures to be followed if such materials are uncovered; and 2) prior to the commencement of foundation excavation, a program of archaeological testing.</p> <p>Retain a qualified historic archaeologist to supervise a pre-foundation excavation testing program for each phase of Project Area development or each construction site, as appropriate, using a series of mechanical, exploratory borings or other testing methods determined by the archaeologist to be appropriate. A qualified historical archaeologist would supervise the testing in the six historic resource areas to determine the probability of finding cultural and historical remains. At the completion of the archaeological testing program, the archaeologist would submit a written report first and directly to the ERO and the President of the LPAB, with a copy to the project sponsor, which describes the findings, assesses their significance and proposes appropriate recommendations for any additional procedures necessary for the mitigation of adverse impacts to cultural resources determined to be significant.</p> <p>Retain a certified archaeologist to supervise a program of on-site monitoring during site excavation in the six historic resource areas, following site clearance and pre-excavation testing.</p> <p>The certified archaeologist would record observations in a permanent log. Should cultural or historic artifacts be found following commencement of excavation activities, the archaeologist would assess the significance of the find, and immediately report to the ERO and the President of LPAB.</p> <p>Upon receiving the advice of the consultant and the LPAB, the ERO would recommend specific mitigation measures, if necessary. The monitoring program, whether or not there are finds of significance, would result in a written report to be submitted first and directly to the ERO and the President of the LPAB, with a copy to the project sponsor.</p> <p>Suspend excavation or construction activities which might damage discovered cultural resources for a total maximum of four weeks over the course of construction at each site to permit inspection, recommendation and retrieval, if appropriate.</p> <p>Implement an appropriate security program to prevent looting or destruction, if cultural resources of potential significance are discovered. Any discovered cultural artifact assessed as significant by the archaeologist upon concurrence by the ERO and the President of the LPAB would be placed in a repository designated for such materials or possibly exhibited in a public display. Following approval of the archaeological testing and monitoring program reports by the ERO and the President of LPAB, a final report would be sent to the California Archaeological Site Survey Office at Sonoma State University, the Foundation for San Francisco's Architectural Heritage and the State Office of Historic Preservation. The Office of Environmental Review would receive three final copies of the final archaeological findings report. Archaeological testing could be coordinated with other site investigations for geotechnical and toxic waste purposes.</p>	Owner, other developers	R.A.	Planning Department, ERO; LPAB President	Prior to excavation; ongoing activities and reporting as required by measure. An archaeological work plan including pre-excavation testing will be required to be submitted as part of Project Schematic Design submittal and approved as part of Project Schematic Design approval.	Submit Archaeological Work Plan as part of Project Schematic Design submittal. Work Plan to be approved as part of Project Schematic Design approval.	This measure is applicable to blocks N3 and N4a only.	(9/18/00 - Winzler & Kelly) An Archaeological report was prepared by Archeo-Tec on June 9, 2000. Refer to notes 17 and 45 on Sheet C1.3. This mitigation measure is only applicable to block N3 and N4a.	9/25/2000	12/23/00 No Comment	12/23/2000 Pending City Action	

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Block N04

Mitigation Measures	Mitigation Response	SFRA RA	Responsible (Other	Mitigation Schedule	Implementation Procedures	Is Measure Applicable?	Implementation Status/Verification	RBF Review Date	Approval Date	Implementation	Name Phone/E-mail
Project Level Review											
D.07 PEDESTRIAN-LEVEL WINDS											
D.07. Require a qualified wind consultant to review specific designs for buildings 100 feet or more in height for potential wind effects. The Redevelopment Agency would conduct wind review of high-rise structures above 100 ft. Wind tunnel testing would also be required unless, upon review by a qualified wind consultant, and with concurrence by the Agency, it is determined that the exposure, massing and orientation of the buildings are such that impacts, based on a 26-mile-per-hour hazard for a single hour of the year criterion, will not occur. The purpose of the wind tunnel studies is to determine design-specific impacts and to provide a basis for design modifications to mitigate these impacts. Projects within Mission Bay, including UCSF, would be require to meet this standard or to mitigate exceedances through building design.	Owner, other developers	R.A.			<ol style="list-style-type: none"> 1. Condition Major Phase to require wind evaluation and provide any required study and documentation of findings as part of Project-level submission. 2. Refer to mitigation measure for obtaining specific implementation procedures. 3. Owner/other developers to submit building design modifications to mitigate pedestrian-level wind impacts to City during project review. 4. Agency to review and approve building design modifications. 5. Owner/other developers to construct buildings implementing design modifications. 6. Agency to inspect buildings and ensure that 26-mile-per-hour wind tunnel hazard for a single hour threshold is not exceeded. 	This measure is applicable – see Implementation column.	Implementation of this measure will occur as part of the project level review for designing buildings 100 feet or more in height.	9/25/2000		Pending Design Submission	

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Block N04

Mitigation Measures	Mitigation Response	SFRA RA	Responsible (Other	Mitigation Schedule	Implementation Procedures	Is Measure Applicable?	Implementation Status/Verification	RBF Review Date	Approval Date	Implementation	Name Phone/E-mail
Project Level Review											
D.08 SHADOWS											
D.08. The Redevelopment Plan documents would require analysis of potential shadows on existing and proposed open spaces during the building design and review process when exceptions to certain standards governing the shape or locations of buildings are requested that would cause over 13% of Mission Creek Park (either North or South), 20% of Bayfront Park, 17% of Triangle Square or 11% of Mission Bay Commons to be in continuous shadow for a period of one hour from March to September between 10:00 a.m. and 4:00 p.m.	Owner, other developers	R.A.		Provide any required documentation as part of Project-level submission	<ol style="list-style-type: none"> Shadow analysis to be required during building design review. Agency to verify via review of the shadow analysis that over 13% of Mission Creek Park (either north or south), 20% of Bayfront Park, 17% of Triangle Square or 11% of Mission Commons are not located in continuous shadow per the standards identified in Mitigation Measure D.07. If through the review of the shadow analysis, the agency determines that the buildings are not in compliance with the standards governing the shape and locations of buildings, the owner /other developers shall modify the building designs and/or location to comply with the appropriate standards, or the Agency shall make findings stating why an exception is appropriate. Agency to inspect project sites to ensure compliance with mitigation measures. 	The proposed building massing within this major phase confirms to the standards contained in the Design for Development and no additional shadow analysis is necessary.	Implementation of this measure will occur as part of the project level review for designing buildings 100 feet or more in height.	9/25/2000		Pending Design Submission	
G.01 NOISE REDUCTION IN PILE DRIVING											
G.01. Use noise-reducing pile driving techniques such as pre-drilling pile holes (if feasible, based on soils) to the maximum feasible depth, installing intake and exhaust mufflers on piledriving equipment, vibrating piles into place when feasible, installing shrouds around the piledriving hammer where feasible, and restricting the hours of operation.	Owner, other developers	R.A.	DPW/DBI	Provide information regarding compliance prior to piling driving	<ol style="list-style-type: none"> DPW and DBI to impose mitigation measure requirements during site permit process. Owner/other developers to notify contractor of construction requirements. DPW or DBI to inspect construction activities to ensure compliance with mitigation measure. 					Pending Building Site Permit(s)	

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Block N04

Mitigation Measures	Mitigation Response	SFRA RA	Responsible (Other)	Mitigation Schedule	Implementation Procedures	Is Measure Applicable?	Implementation Status/Verification	RBF Review Date	Approval Date	Implementation	Name Phone/E-mail
Project Level Review											
L.02 WETLAND HABITAT AVOIDANCE											
L.02. Avoid salt marsh wetland habitat along the China Basin Channel shoreline during installation of suction inlets (and associated piping) used for fire-fighting water supply. Design the storm drain outfalls to minimize scouring and erosion of mudflats in coordination with relevant permitting agencies during the permitting process.	Subject to regulatory approval, Owner		Redevelopment Agency; U.S. Army Corps; RWQCB; BCDC; DPW	Prior to commencement of channel banks work involving wetlands	<ol style="list-style-type: none"> See mitigation measure for obtaining specific implementation procedures. DPW to review as part of subdivision improvement plans. 	The adjacency phasing principle requires implementation of these measures.				Improvements will not involve work in the Channel	
L.04 TURBIDITY PREVENTION											
L.04. Require the construction contractor to use shallow-draft tugboats, to prevent turbidity and sediment resuspension caused by tugboat activity in the Channel. Shallow-draft tugboats float higher in the water than deep-draft tugboats. Because they float higher, the tugboat propellers are not as deep under the water surface, and therefore are farther away from the bottom of the Channel. This arrangement has less potential to disturb bottom sediments because the local currents created by the propellers would not extend as deeply into the water column. Require the construction contractor to operate the tugboats at the minimum speed necessary to maintain maneuverability of the barges. Slower speeds would reduce the spin of tugboat propellers, thus minimizing turbidity and sediment resuspension.	Owner, other developers		DPW; DBI	Prior to water-side construction	<ol style="list-style-type: none"> DBI and DPW to impose requirement of mitigation measure as part of site permit approval or subdivision improvement plan approval. Owner/other developers to construct projects according to requirements. DBI or DPW to inspect construction activities to ensure compliance with mitigation measure. 	The adjacency phasing principle requires implementation of these measures.				Improvements will not involve work in the Channel	
L.05 CONSTRUCTION IN CHANNEL											
L.05. Confine resuspended sediments from construction activities in the Channel or Bay waters to the work site using submarine silt curtains around pile-driving or outfall construction sites, or silt fences properly anchored and trenched in place at the toe of slope below any grading or rubble-removing activities.	Owner		DPW; DBI	Prior to construction in or near the Bay or Channel	<ol style="list-style-type: none"> DBI and DPW to impose requirement of mitigation measure as part of site permit approval or subdivision improvement plan approval. Owner to construct projects according to requirements. DBI or DPW to inspect construction activities to ensure compliance with mitigation measure. 	The adjacency phasing principle requires implementation of these measures.				Improvements will not involve work in the Channel	
M.02 WATER CONSERVATION IN BUILDINGS AND IRRIGATION											
M.02a. Install water conserving dishwashers and washing machines in rental apartments and condominiums.	Owner, other developers		DPW; DBI	Include in site permit plans	See implementation procedures identified for Mitigation Measure M.02.	Applicability of this measure will be determined at the project level review.				Pending Site Permit(s)	

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Block N04

Mitigation Measures	Mitigation Response	SFRA RA	Responsible (Other	Mitigation Schedule	Implementation Procedures	Is Measure Applicable?	Implementation Status/Verification	RBF Review Date	Approval Date	Implementation	Name Phone/E-mail
Project Level Review											
M.02b. Install water conserving dishwashers and water efficient centralized cooling systems in office buildings.	Owner, other developers		DPW; DBI	Include in site permit plans	See implementation procedures identified for Mitigation Measure M.02.	Applicability of this measure will be determined at the project level review.				Pending Site Permit(s)	
M.02c. Incorporate water efficient laboratory techniques in research facilities where feasible.	Owner, other developers		DPW; DBI	Include in site permit plans	See implementation procedures identified for Mitigation Measure M.02.	Applicability of this measure will be determined at the project level review.				Pending Site Permit(s)	
M.02d. Provide information to residences and businesses advising methods to conserve water.	Owner, other developers		DPW; DBI	Include in site permit plans	See implementation procedures identified for Mitigation Measure M.02.	Applicability of this measure will be determined at the project level review.				Pending Site Permit(s)	
M.02e. Install water conserving irrigation systems (e.g., drip irrigation).	Owner, other developers		DPW; DBI	Include in site permit plans	See implementation procedures identified for Mitigation Measure M.02.	Applicability of this measure will be determined at the project level review.				Pending Site Permit(s)	
M.02f. Design landscaping using drought resistant and other low-water use plants.	Owner, other developers		DPW; DBI	Include in site permit plans	See implementation procedures identified for Mitigation Measure M.02.	Applicability of this measure will be determined at the project level review.				Pending Site Permit(s)	

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Block N04

Mitigation Measures	Mitigation Response	SFRA RA	Responsible (Other)	Mitigation Schedule	Implementation Procedures	Is Measure Applicable?	Implementation Status/Verification	RBF Review Date	Approval Date	Implementation	Name Phone/E-mail
Improvement Plan - Plan Check											
E.08 FOURTH STREET/KING STREET											
E.08a. Widen the eastbound approach to provide an exclusive right-turn lane.	Owner	R.A.	DPW; DPT	Provide trip generation calculations and Infrastructure adjacency information; identify any improvements based on cumulative or adjacency thresholds as part of Major Phase and/or Subdivision map review		Adjacency principle will require implementation with Block N3.	Reconfigure signal & widen street when 5,500 PM Peak Hour Trips are produced. (9/18/00 - Winzler & Kelly) Widened King Street to create additional lane. However, one lane is an exclusive left turn lane, two through, and one through/right turn lane.	10/10/2000	2/14/01 No Comment	Pending Construction and Inspection	
E.08b. Reconfigure the existing traffic signal.	Owner; PTC, if PTC elects to commence service before Owner's obligation to construct is otherwise triggered	R.A.	DPW; DPT	Provide trip generation calculations and Infrastructure adjacency information; identify any improvements based on cumulative or adjacency thresholds as part of Major Phase and/or Subdivision map review	<ol style="list-style-type: none"> 1. Condition tentative tract map to require reconfiguration of the existing traffic signal at 4th/King Street. 2. Refer to Infrastructure plan for specific timing and implementation responsibility. 3. DPW or DPT to inspect intersection to ensure modifications were completed. 	The adjacency phasing principle requires implementation of these measures.	Reconfigure signal & widen street when 5,500 PM Peak Hour Trips are produced. (9/18/00 - Winzler & Kelly) Existing signals reconfigured on N3/N3A Improvement Plans. Refer to Sheet T1.2 and T1.3.	9/25/2000	2/14/01 No Comment	Pending Construction and Inspection	
E.09 FOURTH STREET/BERRY STREET											
E.09a. Restripe the westbound approach to provide an additional lane.	Owner	R.A.	DPW; DPT	Provide trip generation calculations and Infrastructure adjacency information; identify any improvements based on cumulative or adjacency thresholds as part of Major Phase and/or Subdivision map review	<ol style="list-style-type: none"> 1. Condition tentative tract map to depict striping plans to provide an additional westbound lane. 2. Refer to Infrastructure plan for specific timing and implementation responsibility. 3. DPW or DPT to inspect intersection to ensure modifications were completed. 	The adjacency phasing principle requires implementation of these measures.	Addressed in N2 Improvement Plans. Refer to Sheet C1.5 and C6.5.	10/10/2000	2/14/01 No Comment	Pending Construction and Inspection	

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Mitigation Measures	Mitigation Response	SFRA RA	Responsible (Other	Mitigation Schedule	Implementation Procedures	Is Measure Applicable?	Implementation Status/Verification	RBF Review Date	Approval Date	Implementation	Name Phone/E-mail
Improvement Plan - Plan Check											
E.09b. Restripe the northbound approach to provide an additional lane.	Owner	R.A.	DPW; DPT	Provide trip generation calculations and Infrastructure adjacency information; identify any improvements based on cumulative or adjacency thresholds as part of Major Phase and/or Subdivision map review	<ol style="list-style-type: none"> 1. Condition tentative tract map to depict striping plans to provide an additional northbound lane. 2. Refer to Infrastructure plan for specific timing and implementation responsibility. 3. DPW or DPT to inspect intersection to ensure modifications were completed. 	The adjacency phasing principle requires implementation of these measures.	9/18/00 - Winzler & Kelly) Restriped to provide additional lane. Refer to Improvement Plans, Sheet T2.4 and T2.6.	10/16/2000	2/14/01 No Comment	Pending Construction and Inspection	
E.09c. Reconfigure the existing traffic signal.	Owner; PTC if PTC elects to commence service before Owner's obligation to construct is otherwise triggered	R.A.	DPW; DPT	Provide trip generation calculations and Infrastructure adjacency information; identify any improvements based on cumulative or adjacency thresholds as part of Major Phase and/or Subdivision map review	<ol style="list-style-type: none"> 1. Condition subdivision map to reconfigure the 4th/Berry Street traffic signal. 2. Refer to Infrastructure plan for specific timing and implementation responsibility. 3. DPW or DPT to inspect intersection to ensure modifications were completed. 	The adjacency phasing principle requires implementation of these measures.	Reconfigure signal when 14,200 PM Peak Hour Trips are produced. (9/18/00 - Winzler & Kelly) Existing signals reconfigured on N3/N3A Improvement Plans. Refer to Sheets T1.4 and T1.5.	10/11/2000	2/14/01 No Comment	Pending Construction and Inspection	
E.09d. Install "Don't Block the Box" signs.	Owner	R.A.	DPW; DPT	Provide trip generation calculations and Infrastructure adjacency information; identify any improvements based on cumulative or adjacency thresholds as part of Major Phase and/or Project-level plan review	<ol style="list-style-type: none"> 1. Condition tentative tract map to depict "Don't Block the Box" striping plans. 2. Refer to Infrastructure plan for specific timing and implementation responsibility. 3. DPW or DPT to inspect intersection to ensure modifications were completed. 		Reconfigure signal when 14,200 PM Peak Hour Trips are produced. (9/18/00 - Winzler & Kelly) Signs noted on N3/N3A Improvement Plans. Refer to Sheet T2.4.	10/10/2000	2/14/01 No Comment	Pending Construction and Inspection	

MISSION BAY NORTH AND MISSION BAY SOUTH MITIGATION STATUS REPORT

Block N04

Mitigation Measures	Mitigation Response	SFRA RA	Responsible (Other	Mitigation Schedule	Implementation Procedures	Is Measure Applicable?	Implementation Status/Verification	RBF Review Date	Approval Date	Implementation	Name Phone/E-mail
Improvement Plan - Plan Check											
E.19 FIFTH STREET/KING STREET											
E.19a. Narrow approximately 250 feet of the median on the westbound approach to provide an exclusive left-turn lane.	Subject to regulatory approvals, Owner to construct; City to apply for approvals	R.A.	DPW; DPT; Caltrans	Provide trip generation calculations and Infrastructure adjacency information; identify any improvements based on cumulative or adjacency thresholds as part of Major Phase and/or Subdivision map review	1. Refer to Infrastructure plan for specific timing and implementation responsibility. 2. DPW or DPT to inspect intersection to ensure modifications were completed.	The adjacency phasing principle requires implementation of these measures.	Narrow median & reconfigure signal when 8,200 PM Peak Hour Trips are produced. (9/18/00 - Winzler & Kelly) This mitigation is shown on N3/N3A Improvement Plans. Refer to Sheet T2.1.	10/11/2000	2/14/01 No Comment	Pending Construction and Inspection	
E.19b. Restripe the I-280 off-ramp touchdown and narrow the median on the south side of King Street for a distance of about 300 feet beginning at the intersection with Fifth Street, to increase the number of eastbound lanes from the existing two to three.	Subject to regulatory approvals, Owner to construct; City to apply for approvals	R.A.	DPW; DPT; Caltrans	Provide trip generation calculations and Infrastructure adjacency information; identify any improvements based on cumulative or adjacency thresholds as part of Major Phase and/or Subdivision map review	1. Refer to Infrastructure plan for specific timing and implementation responsibility. 2. DPW or DPT to inspect intersection to ensure modifications were completed.	The adjacency phasing principle requires implementation of these measures.	Narrow median & reconfigure signal when 8,200 PM Peak Hour Trips are produced. (9/18/00 - Winzler & Kelly) Median narrowed on N3/N3A Improvement Plans. Refer to Sheets T2.1 and C5.1. RESTRIPING WILL BE SUBMITTED UNDER 5TH/KING IP.	10/11/2000	2/14/01 No Comment	Pending Construction and Inspection	
E.19c. Reconfigure the existing traffic signal.	Subject to regulatory approvals, Owner to construct	R.A.	DPW; DPT; Caltrans	Provide trip generation calculations and Infrastructure adjacency information; identify any improvements based on cumulative or adjacency thresholds as part of Major Phase and/or Subdivision map review	1. Refer to Infrastructure plan for specific timing and implementation responsibility. 2. DPW or DPT to inspect intersection to ensure modifications were completed.	The adjacency phasing principle requires implementation of these measures.	Narrow median & reconfigure signal when 8,200 PM Peak Hour Trips are produced. WILL BE SUBMITTED UNDER 5TH/KING IP.	10/11/2000	2/14/01 No Comment	Pending Construction and Inspection	

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Mitigation Measures	Mitigation Response	SFRA RA	Responsible (Other	Mitigation Schedule	Implementation Procedures	Is Measure Applicable?	Implementation Status/Verification	RBF Review Date	Approval Date	Implementation	Name Phone/E-mail
Improvement Plan - Plan Check											
E.23 FOURTH STREET											
E.23a. Widen Fourth Street between China Basin Channel and King Street to accommodate the Third Street light rail tracks and a MUNI station platform between Berry and King Streets. (Condition Map)	Owner, PTC as allocated in Infrastructure Plans	R.A.	DPW; PTC; DPT	Provide trip generation calculations and Infrastructure adjacency information; identify any improvements based on cumulative or adjacency thresholds as part of Major Phase and/or Subdivision map review	<ol style="list-style-type: none"> 1. Condition subdivision map to widen the north bound traffic lane to accommodate MUNI light rail and transit stop. 2. Refer to Infrastructure plan for specific timing and implementation responsibility. 3. DPW or DPT to inspect street segment to ensure modifications were completed. 	This measure is applicable based on the adjacency phasing principle.	(9/5/00 - KCA Engineers) Fourth street widened to accommodate MUNI platform. Refer to Tentative Map MB-4, Sheets 6 of 12 and 10 of 12.	10/11/2000	2/14/01 No Comment	Pending Construction and Inspection	Fred Dejarlais (415) 546-7111 fred_dejarlais@mindspring.com
K.01 STORMWATER POLLUTION PREVENTION PROGRAM (SWPPP)											
K.01. Develop and implement a comprehensive Stormwater Pollution Prevention Plan (SWPPP) for all construction activities within the Project Area to avoid and minimize erosion and sedimentation in China Basin Channel and San Francisco Bay and to manage other aspects of the construction site. Include at least the following Best Management Practices, or substantially equivalent measures.	Owner, other developers		DPW; DBI; San Francisco Public Utilities Commission (SFPUC)	Submit as part of subdivision improvement plans; condition Tentative Map to require approval of SWPPP prior to commencing construction on street improvements.	<ol style="list-style-type: none"> 1. DPW and DBI to require owner/other developers to prepare SWPPP prior to project approval. 2. Owner/other developers to prepare SWPPP in consultation with SFPUC and submit to DPW and DBI for review and approval. 3. DBI to require relevant elements of SWPPP to be included in subdivision improvement plans. 4. SWPPP to be provided on the job site. 5. DPI to inspect construction sites to ensure compliance with SWPPP. 	SWPPP shall be prepared or available on the job site.	Submitted under Block N3N3A SWPPP,	10/10/2000	2/14/01 No Comment	Pending Submission of Site Specific SWPPP	

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Mitigation Measures	Mitigation Response	SFRA RA	Responsible (Other	Mitigation Schedule	Implementation Procedures	Is Measure Applicable?	Implementation Status/Verification	RBF Review Date	Approval Date	Implementation	Name Phone/E-mail
Improvement Plan - Plan Check											
K.01a. Minimize dust during demolition, grading, and construction by lightly spraying exposed soil on a regular basis.	Owner, other developers		DPW; DBI	Submit as part of subdivision improvement plans; condition Tentative Map to require approval of SWPPP prior to commencing construction on street improvements	See implementation procedures identified for Mitigation Measure K.01.	Addressed within SWPPP.	Submitted under Block N3N3A SWPPP,	10/10/2000	2/14/01 No Comment	A Conceptual SWPPP was prepared and completed by California Soil & Environmental Consultants Inc. on November 1999. Implementation of the specific measures within the plan may be applied to individual sites as determined by the PUC.	
K.01b. Minimize wind and water erosion on temporary soil stockpiles by spraying with water during dry weather and covering with plastic sheeting or other similar material during the rainy season (November to April).	Owner, other developers		DPW; DBI	Submit as part of subdivision improvement plans; condition Tentative Map to require approval of SWPPP prior to commencing construction on street improvements	See implementation procedures identified for Mitigation Measure K.01.	Addressed within SWPPP.	Submitted under Block N3N3A SWPPP,	10/10/2000	2/14/01 No Comment	Pending Submission of Site Specific SWPPP	
K.01c. Minimize the area and length of time during which the site is cleared and graded.	Owner, other developers		DPW; DBI	Submit as part of subdivision improvement plans; condition Tentative Map to require approval of SWPPP prior to commencing construction on street improvements	See implementation procedures identified for Mitigation Measure K.01.	Addressed within SWPPP.	Submitted under Block N3N3A SWPPP,	10/10/2000	2/14/01 No Comment	Pending Submission of Site Specific SWPPP	
K.01d. Prevent the release of construction pollutants such as cement, mortar, paints and solvents, fuel and lubricating oils, pesticides, and herbicides by storing such materials in a bermed, or otherwise secured, area.	Owner, other developers		DPW; DBI	Submit as part of subdivision improvement plans; condition Tentative Map to require approval of SWPPP prior to commencing construction on street improvements	See implementation procedures identified for Mitigation Measure K.01.	Addressed within SWPPP.	Submitted under Block N3N3A SWPPP,	10/10/2000	2/14/01 No Comment	Pending Submission of Site Specific SWPPP	

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Mitigation Measures	Mitigation Response	SFRA RA	Responsible (Other)	Mitigation Schedule	Implementation Procedures	Is Measure Applicable?	Implementation Status/Verification	RBF Review Date	Approval Date	Implementation	Name Phone/E-mail
Improvement Plan - Plan Check											
K.01e. As needed, install filter fences around the perimeter of the construction site to prevent off-site sediment discharge. Prior to grading the bank slopes of China Basin Channel for the proposed channel-edge treatments, install silt or filter fences to slow water and remove sediment. As needed, properly trench and anchor in the silt or filter fences so that they stand up to the forces of tidal fluctuation and wave action, and do not allow sediment-laden water to escape underneath them.	Owner, other developers		DPW; DBI	Submit as part of subdivision improvement plans; condition Tentative Map to require approval of SWPPP prior to commencing construction on street improvements	See implementation procedures identified for Mitigation Measure K.01.	Addressed within SWPPP.	Submitted under Block N3N3A SWPPP,	10/10/2000	2/14/01 No Comment	Pending Submission of Site Specific SWPPP	
K.01f. Follow design and construction standards found in the Manual of Standards for Erosion and Sediment Control Measures for placement of riprap and stone size.	Owner, other developers	DPW; DBI	Submit as part of subdivision improvement plans; condition Tentative Map to require approval of SWPPP prior to commencing construction on street improvements	See implementation procedures identified for Mitigation Measure K.01.		Addressed within SWPPP.	Submitted under Block N3N3A SWPPP,	10/10/2000	2/14/01 No Comment	Pending Submission of Site Specific SWPPP	
K.01g. Install and maintain sediment and oil and grease traps in local stormwater intakes during the construction period, or otherwise properly control oil and grease discharges.	Owner, other developers		DPW; DBI	Submit as part of subdivision improvement plans; condition Tentative Map to require approval of SWPPP prior to commencing construction on street improvements	See implementation procedures identified for Mitigation Measure K.01.	Addressed within SWPPP.	Submitted under Block N3N3A SWPPP,	10/10/2000	2/14/01 No Comment	Pending Submission of Site Specific SWPPP	
K.01h. Clean wheels and cover loads of trucks carrying excavated soils before they leave the construction site.	Owner, other developers		DPW; DBI	Submit as part of subdivision improvement plans; condition Tentative Map to require approval of SWPPP prior to commencing construction on street improvements	See implementation procedures identified for Mitigation Measure K.01.	Addressed within SWPPP.	Submitted under Block N3N3A SWPPP,	10/10/2000	2/14/01 No Comment	Pending Submission of Site Specific SWPPP	
K.01i. Implement a hazardous material spill prevention, control, and clean-up program for the construction period. As needed, the program would include measures such as constructing swales and barriers that would direct any potential spills away from the Channel and the Bay and into containment basins to prevent the movement of any materials from the construction site into water.	Owner, other developers		DPW; DBI	Submit as part of subdivision improvement plans; condition Tentative Map to require approval of SWPPP prior to commencing construction on street improvements	See implementation procedures identified for Mitigation Measure K.01.	Addressed within SWPPP.	Submitted under Block N3N3A SWPPP.	10/10/2000	2/14/01 No Comment	Pending Submission of Site Specific SWPPP	

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Block N04

Mitigation Measures	Mitigation Response	SFRA RA	Responsible (Other	Mitigation Schedule	Implementation Procedures	Is Measure Applicable?	Implementation Status/Verification	RBF Review Date	Approval Date	Implementation	Name Phone/E-mail
Building Site Permit											
D.04 ARCHAEOLOGICAL EXPLORATION PROGRAM											
D.04. Develop archaeological exploration programs, consistent with Measure D.03, above, for pre-identified sensitive historic archaeological areas that should include the following:	Owner, other developers	R.A.	Planning Department, ERO; LPAB President	Prior to excavation; ongoing implementation as required by measure	Prior to the issuance of a building permit/site permit, an Archaeology Work Plan shall be approved which depicts the provisions of these mitigation measures.	This measure is applicable to blocks N3 and N4a only.	(9/18/00 - Winzler & Kelly) An Archaeological report was prepared by Archeo-Tec on June 9, 2000. Refer to notes 17 and 45 on Sheet C1.3.	9/25/2000	12/23/00 No Comment	12/23/2000 Pending City Action	
D.04a. Define specific research parameters and prepare a written study plan in consultation with the ERO and LPAB prior to subsurface exploration, with emphasis on National Register determination of historical signif. and the maximum retrieval of archaeological data.	Owner, other developers	R.A.	Planning Department, ERO; LPAB President	Prior to excavation; ongoing implementation as required by measure	Prior to the issuance of a building permit/site permit, an Archaeology Work Plan shall be approved which depicts the provisions of these mitigation measures.	This measure is applicable to blocks N3 and N4a only.	(9/18/00 - Winzler & Kelly) An Archaeological report was prepared by Archeo-Tec on June 9, 2000. Refer to notes 17 and 45 on Sheet C1.3.	9/25/2000	12/23/00 No Comment	12/23/2000 Pending City Action	
D.04b. Examine large-scale exposure of soil profiles.	Owner, other developers	R.A.	Planning Department, ERO; LPAB President	Ongoing implementation as required by measure	In conjunction with the preparation of the work program this measure of examining large scale soil profiles shall be a part.	This measure is applicable to blocks N3 and N4a only.	(9/18/00 - Winzler & Kelly) An Archaeological report was prepared by Archeo-Tec on June 9, 2000. Refer to notes 17 and 45 on Sheet C1.3.	9/25/2000	12/23/00 No Comment	12/23/2000 Pending City Action	
D.04c. Complete detailed field records, including photographs and drawings, to document subsurface soil profiles, archaeological deposits and integrity of such deposits.	Owner, other developers	R.A.	Planning Department, ERO; LPAB President	Ongoing implementation as required by measure		This measure is applicable to blocks N3 and N4a only.	(9/18/00 - Winzler & Kelly) An Archaeological report was prepared by Archeo-Tec on June 9, 2000. Refer to notes 17 and 45 on Sheet C1.3.	9/25/2000	12/23/00 No Comment	12/23/2000 Pending City Action	
D.04d. Complete a detailed report of findings to describe research and exploration methodologies, testing results, all archaeological findings and recommendations for resource management.	Owner, other developers	R.A.	Planning Department, ERO; LPAB President	Ongoing implementation as required by measure		This measure is applicable to blocks N3 and N4a only.	(9/18/00 - Winzler & Kelly) An Archaeological report was prepared by Archeo-Tec on June 9, 2000. Refer to notes 17 and 45 on Sheet C1.3.	9/25/2000	12/23/00 No Comment	12/23/2000 Pending City Action	

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Block N04

Mitigation Measures	Mitigation Response	SFRA RA	Responsible (Other)	Mitigation Schedule	Implementation Procedures	Is Measure Applicable?	Implementation Status/Verification	RBF Review Date	Approval Date	Implementation	Name Phone/E-mail
Building Site Permit											
D.06 UNKNOWN ARCHAEOLOGICAL REMAINS											
D.06. The entire Mission Bay Project Area has at least some sensitivity for the presence of unknown archaeological remains. Prehistoric cultural deposits could be encountered in three identified areas and unknown historical features, artifact caches and debris areas could be located anywhere in the Project Area. Follow procedures for instructing excavation crews, notifying the ERO and President of the LPAB, and developing recovery measures, as described in Measure D.03, above. In addition, in the event that prehistoric archaeological deposits are discovered, consult local Native American organizations. Dialogue with the ERO, LPAB and the archaeological consultant would take place in developing acceptable archaeological testing & excavation procedures, particularly in regard to the disposition of cultural materials and Native American burials.	Owner, other developers	R.A.	Planning Department, ERO; LPAB President	Prior to excavation; ongoing implementation as required by measure	Prior to preparation of the work plan consultant shall consult with ERO and LPAB to develop a testing and excavation procedures.	This measure is applicable for blocks N3, N3a, N4, N4a— see Implementation column.	(9/18/00 - Winzler & Kelly) Mitigation displayed on N3/N3A Improvement Plans. Refer notes 17 and 45 on Sheet C1.3.	9/25/2000	12/23/00 No Comment	12/23/2000 Pending City Action	
(Condition Major Plan Accordingly to require on individual building sites or potential for single coordinated program for Block)											
F.02 CONSTRUCTION PM											
F.02a. Water all active construction areas at least twice a day, or as needed to prevent visible dust plumes from blowing off-site.	Owner, other developers		DPW; DBI	Implement through site permit process	See Mitigation Measure F.02.	This measure will be implemented at the time of construction of individual projects.	(9/18/00 - Winzler & Kelly) All measures are on N3/N3A Improvement Plans. Refer to Environmental Mitigation notes 1 through 14 on Sheet C1.3.	10/11/2000		Pending Construction and Inspection	
F.02b. Use tarpaulins or other effective covers for on-site storage piles and for haul trucks that travel on streets.	Owner, other developers		DPW; DBI	Implement through site permit process	See Mitigation Measure F.02.	This measure will be implemented at the time of construction of individual projects.	(9/18/00 - Winzler & Kelly) All measures are on N3/N3A Improvement Plans. Refer to Environmental Mitigation notes 1 through 14 on Sheet C1.3.	10/11/2000		Pending Construction and Inspection	
F.02c. Pave, apply water three times daily, or apply (non-toxic) soil stabilizers on all unpaved parking areas and staging areas at construction sites.	Owner, other developers		DPW; DBI	Implement through site permit process	See Mitigation Measure F.02.	This measure will be implemented at the time of construction of individual projects.	(9/18/00 - Winzler & Kelly) All measures are on N3/N3A Improvement Plans. Refer to Environmental Mitigation notes 1 through 14 on Sheet C1.3.	10/11/2000		Pending Construction and Inspection	
F.02d. Sweep all paved access routes, parking areas, and staging areas daily (preferably with water sweepers).	Owner, other developers		DPW; DBI	Implement through site permit process	See Mitigation Measure F.02.	This measure will be implemented at the time of construction of individual projects.	(9/18/00 - Winzler & Kelly) All measures are on N3/N3A Improvement Plans. Refer to Environmental Mitigation notes 1 through 14 on Sheet C1.3.	10/11/2000		Pending Construction and Inspection	

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Block N04

Mitigation Measures	Mitigation Response	SFRA RA	Responsible (Other)	Mitigation Schedule	Implementation Procedures	Is Measure Applicable?	Implementation Status/Verification	RBF Review Date	Approval Date	Implementation	Name Phone/E-mail
Building Site Permit											
F.02e. Sweep streets daily (preferably with water sweepers) if visible amounts of soil material are carried onto public streets	Owner, other developers		DPW; DBI	Implement through site permit process	See Mitigation Measure F.02.	This measure will be implemented at the time of construction of individual projects.	(9/18/00 - Winzler & Kelly) All measures are on N3/N3A Improvement Plans. Refer to Environmental Mitigation notes 1 through 14 on Sheet C1.3.	10/11/2000		Pending Construction and Inspection	
F.02f. Hydroseed or apply (non-toxic) soil stabilizers to inactive construction areas (previously graded areas inactive for ten days or more).	Owner, other developers		DPW; DBI	Implement through site permit process	See Mitigation Measure F.02.	This measure will be implemented at the time of construction of individual projects.	(9/18/00 - Winzler & Kelly) All measures are on N3/N3A Improvement Plans. Refer to Environmental Mitigation notes 1 through 14 on Sheet C1.3.	10/11/2000		Pending Construction and Inspection	
F.02g. Enclose, cover, water twice daily or apply (non-toxic) soil binders to exposed stockpiles (dirt, sand, etc.).	Owner, other developers		DPW; DBI	Implement through site permit process	See Mitigation Measure F.02.	This measure will be implemented at the time of construction of individual projects.	(9/18/00 - Winzler & Kelly) All measures are on N3/N3A Improvement Plans. Refer to Environmental Mitigation notes 1 through 14 on Sheet C1.3.	10/11/2000		Pending Construction and Inspection	
F.02h. Limit traffic speeds on unpaved roads to 15 mph.	Owner, other developers		DPW; DBI	Implement through site permit process	See Mitigation Measure F.02.	This measure will be implemented at the time of construction of individual projects.	(9/18/00 - Winzler & Kelly) All measures are on N3/N3A Improvement Plans. Refer to Environmental Mitigation notes 1 through 14 on Sheet C1.3.	10/11/2000		Pending Construction and Inspection	
F.02i. Install sandbags or other erosion control measures to prevent silt runoff to public roadways.	Owner, other developers		DPW; DBI	Implement through site permit process	See Mitigation Measure F.02.	This measure will be implemented at the time of construction of individual projects.	(9/18/00 - Winzler & Kelly) All measures are on N3/N3A Improvement Plans. Refer to Environmental Mitigation notes 1 through 14 on Sheet C1.3.	10/11/2000		Pending Construction and Inspection	
F.02j. Replant vegetation in disturbed areas as quickly as possible	Owner, other developers		DPW; DBI	Implement through site permit process	See Mitigation Measure F.02.	This measure will be implemented at the time of construction of individual projects.	(9/18/00 - Winzler & Kelly) All measures are on N3/N3A Improvement Plans. Refer to Environmental Mitigation notes 1 through 14 on Sheet C1.3.	10/11/2000		Pending Construction and Inspection	

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Mitigation Measures	Mitigation Response	SFRA RA	Responsible (Other)	Mitigation Schedule	Implementation Procedures	Is Measure Applicable?	Implementation Status/Verification	RBF Review Date	Approval Date	Implementation	Name Phone/E-mail
Building Site Permit											
F.02k. Install wheel washers for all exiting trucks, or wash off the tires or tracks of all trucks and equipment leaving the site.	Owner, other developers		DPW; DBI	Implement through site permit process	See Mitigation Measure F.02.	This measure will be implemented at the time of construction of individual projects.	(9/18/00 - Winzler & Kelly) All measures are on N3/N3A Improvement Plans. Refer to Environmental Mitigation notes 1 through 14 on Sheet C1.3.	10/11/2000		Pending Construction and Inspection	
F.02l. Install wind breaks, or plant trees / vegetative wind breaks at windward side(s) of construction areas	Owner, other developers		DPW; DBI	Implement through site permit process	See Mitigation Measure F.02.	This measure is not applicable due to the size of the major phase.	(9/18/00 - Winzler & Kelly) All measures are on N3/N3A Improvement Plans. Refer to Environmental Mitigation notes 1 through 14 on Sheet C1.3.	10/11/2000		Pending Construction and Inspection	
F.02m. Suspend excavation and grading on large construction sites when winds (instantaneous gusts) exceed 25 mph.	Owner, other developers		DPW; DBI	Implement through site permit process	See Mitigation Measure F.02.	This measure is not applicable due to the size of the major phase.	(9/18/00 - Winzler & Kelly) All measures are on N3/N3A Improvement Plans. Refer to Environmental Mitigation notes 1 through 14 on Sheet C1.3.	10/11/2000		Pending Construction and Inspection	
J.01 RISK MANAGEMENT PLAN(S)											
J.01. Prior to any site development activities in the Project Area, develop and implement an RWQCB-approved Risk Management Plan or Plans (RMP). The RMP shall address all site development activities and post-development activities and shall include specific measures that would be protective of human health and the aquatic environment. The human health standards to be applied in the RMP are a cumulative cancer risk of 1 x 10 ⁻⁵ and Hazard Index of 1, or more stringent standards as may be required by the RWQCB. Amend the RMPs as required by the RWQCB to reflect new information regarding contamination, land use decisions, or as a result of Article 20 compliance.	Owner, Agency, other developers		See measure J.01a-J.01o below	As provided in the EIR or in RMPs	Issuance of the Certificate of Completion by the RWQCB.	The RMP must be approved by the regulatory agencies prior to an on site development activities.	Approved by RWQCB on May 25, 1999.	9/25/2000	5/25/99 No Comment	5/25/1999 Completed	
J.01a. RMP Enforcement Provide an enforcement structure for RMPs, to be in place and effective during construction and after project development, including: i. Develop and record a restrictive covenant as an Environmental Restriction and Covenant under California Civil Code Section 1471 that: a. Places limits on future uses in the Project Area consistent with the provisions in the RMP; b. Provides notice to current and future property owners that the RMP contains use restrictions and other requirements and obligates property owners to provide like notice to occupants; and c. Provides notice to current and future property owners that the RWQCB maintains residual regulatory enforcement authority over all portions of the Project Area sufficient to compel enforcement of the entire RMP ii. As part of any future transfer of property title of any portion of the Project Area, require current property owners to provide a copy of the RMP to each of their future transferees.	Owner, Agency, other developers	R.A.	RWQCB	As provided in the EIR or in RMPs Correspondence from property owner shall be submitted prior to Project Level Review citing measures already carried out for Blocks N3, N3a, N4 and N4a and the relevant measures that are expected during development of the project site.	See implementation procedures identified for Mitigation Measure J.01.	Addressed within RMP. Applicant to provide letter documenting conformance with mitigation measure.	See implementation status identified for Mitigation Measure J.01.	9/25/2000	5/25/99 No Comment	Timing of implementation triggered by City Fire Department review of cumulative development.	

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Block N04

Mitigation Measures	Mitigation Response	SFRA RA	Responsible (Other	Mitigation Schedule	Implementation Procedures	Is Measure Applicable?	Implementation Status/Verification	RBF Review Date	Approval Date	Implementation	Name Phone/E-mail
Building Site Permit											
J.01b. Pre-Development	Owner, Agency, R.A. other developers		RWQCB	As provided in the EIR or in RMPs	See implementation procedures identified for Mitigation Measure J.01.	Addressed within RMP.	See implementation status identified for Mitigation Measure J.01.	9/25/2000	5/25/99	No Comment	See Implementation on Notes for J.01a.
<p>Include, at a minimum, the following elements in the RMP:</p> <p>J.01b Limit direct access to areas with exposed native soils (defined as soils that exist at the site prior to project approval) and perform inspections to verify that measures taken to limit direct access are maintained.</p> <p>Alternatively, for each location with exposed native soils, provide risk management procedures for those areas. If this alternative is chosen, for each exposed soil location that would remain vacant and undeveloped at the initiation of development, and for each site that becomes vacant and includes exposed native soil, evaluate and document potential health risks to the general public that could occur before site development using the following process:</p> <p>Evaluate sampling results to determine constituents that could pose a risk to the general public. Identify populations who could be exposed to the constituents in soils based on land uses within and adjacent to the Project Area. Exposed populations that would be considered would include adult and child visitors/ trespassers, nearby residents (adults and children), and workers not involved in project construction within and adjacent to the Project Area. Using specific EPA- and DTSC-recommended exposure assumptions, identify the appropriate exposure pathways and assumptions in consultation with the RWQCB.</p> <p>Using the specific exposure assumptions identified above, adopt contaminant-specific interim target levels (ITLs) following regulatory risk assessment guidelines established by DTSC and EPA.</p> <p>Compare ITLs to the range of concentrations detected in exposed native soils to identify areas where ITLs are exceeded. No further action prior to development (other than that required under Article 20 or other applicable regulations) would be required in areas in which ITLs are not exceeded.</p>											

MISSION BAY NORTH AND MISSION BAY SOUTH MITIGATION STATUS REPORT

Block N04

Mitigation Measures	Mitigation Response	SFRA RA	Responsible (Other)	Mitigation Schedule	Implementation Procedures	Is Measure Applicable?	Implementation Status/Verification	RBF Review Date	Approval Date	Implementation	Name Phone/E-mail
Building Site Permit											
J.01c. For areas where ITLs are exceeded, identify specific Interim Risk Management (IRM) measures that would reduce potential contamination-related risks to Project Area occupants and visitors during site build-out. Based on the results of the ITL evaluation and need for site controls, general IRM measures could include measures such as: i. Limit Direct Access to Uncovered Native Soil on Undeveloped Portions of the Project Area. To effectively limit access, install fencing or other physical barriers around the identified areas, and post "no trespassing" signs. ii. Hydroseed or Apply Other Vegetative or Other Cover to Uncovered Areas. Hydroseed or apply other vegetative or other cover to the uncovered areas to reduce the potential for windblown dusts to be generated, and to reduce the potential for individuals to have direct contact with the native soils. iii. Include Safety Notices in Leases. Notify tenants of occupied portions of the Project Areas of the potential risks involved with the disturbance of existing cover (asphalt, concrete, vegetation) or exposed native soil. iv. Conduct Periodic Inspections of Open Spaces. Conduct periodic inspections of the Project Area to reduce the illegal occupancy of open areas by transient populations, and to reduce the illegal dumping by unauthorized occupants or off-site populations. Implement additional security measures such as fencing and/or the use of security guards, if inspections show a need. v. Periodic Monitoring. Perform inspections verifying that risk management measures remain effective by identifying disturbances to cover materials that could result in the exposure of underlying native soil and by identifying areas where temporary fencing or other physical barriers might need to be reinstalled. If the inspections identify areas where measures have been rendered ineffective, implement corrective action.	Owner, Agency, R.A. other developers		RWQCB	As provided in the EIR or in RMPs	See implementation procedures identified for Mitigation Measure J.01.	Addressed within RMP. Applicant to provide letter documenting conformance with mitigation measure.	See implementation status identified for Mitigation Measure J.01.	9/25/2000	5/25/99 No Comment	See Implementation on Notes for J.01a.	
J.01d. Development Include in the RMP, health and safety training and health protection objectives for workers who may directly contact contaminated soil during construction and/or maintenance, including Cal/OSHA worker safety regulations appropriate to the type of construction activity, location, and risk relative to the potential types of hazards associated with contaminated soil or groundwater, and where appropriate, compliance with Title 8, Group 16, requirements.	Owner, Agency, R.A. other developers		RWQCB; DBI; DPW; DPH	As provided in the EIR or in RMPs	See implementation procedures identified for Mitigation Measure J.01.	Addressed within RMP.	See implementation status identified for Mitigation Measure J.01.	9/25/2000	5/25/99 No Comment	See Implementation on Notes for J.01a.	
J.01e. Identify site access controls to be implemented during construction, such as: i. Secure construction site to prevent unauthorized pedestrian/vehicular entry with fencing or other barrier of sufficient height and structural integrity to prevent entry and based upon the degree of control required. ii. Post "no trespassing" signs. iii. Provide on-site meetings with construction workers to inform them about security measures and reporting/ contingency procedures.	Owner, Agency, R.A. other developers		RWQCB; DBI; DPW	As provided in the EIR or in RMPs	See implementation procedures identified for Mitigation Measure J.01.	Addressed within RMP.	See implementation status identified for Mitigation Measure J.01.	9/25/2000	5/25/99 No Comment	See Implementation on Notes for J.01a.	

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Block N04

Mitigation Measures	Mitigation Response	SFRA RA	Responsible (Other)	Mitigation Schedule	Implementation Procedures	Is Measure Applicable?	Implementation Status/Verification	RBF Review Date	Approval Date	Implementation	Name Phone/E-mail
Building Site Permit											
J.01f. Identify protocols for managing soil during construction, which will include at a minimum: i. The dust controls found in Measure F.02 in Section VI.F, Mitigation Measures: Air Quality. ii. Standards for imported fill (defined as fill brought onto the site from outside the Project Area) that are protective of human health and the aquatic environment and an identified minimum depth of fill to be required for landscaped areas. iii. A requirement that prior to placement, if native soil in the Project Area is to be used on site in any manner that could result in direct human exposure, characterization of the soil be conducted to confirm that it meets appropriate standards approved by the RWQCB and would be appropriate for the intended use. iv. Protocols for managing stockpiled and excavated soils. v. A program for off-site dust monitoring, consisting of real-time monitoring for PM10 concentrations to demonstrate that the health and safety of all individuals not engaged in construction activities would not be adversely affected by chemicals that could be contained in dust generated by soil-disturbing activities. If monitoring shows dust levels exceeding 250 g/m3, implement additional dust control measures, such as continuous misting of exposed areas with water, until concentrations are reduced below the action level.	Owner, Agency, other developers	R.A.	RWQCB; DBI; DPW	As provided in the EIR or in RMPs	See implementation procedures identified for Mitigation Measure J.01.	Addressed within RMP.	See implementation status identified for Mitigation Measure J.01.	9/25/2000	5/25/99 No Comment	See Implementation on Notes for J.01a.	
J.01g. Identify protocols for managing groundwater, which will include at a minimum: i. Procedures to prevent unacceptable migration of contamination from defined plumes during dewatering, such as monitoring, counter-pumping, or installing sheetpiles down to Bay Mud before dewatering. ii. Procedures for the installation of subsurface pipelines and other utilities, where necessary, to prevent lateral transmission of chemicals in groundwater. Such procedures could include, but would not be limited to, selection of proper backfill materials and thickness and installation of clay plugs or barrier collars.	Owner, Agency, other developers	R.A.	RWQCB; DBI; DPW; DPH	As provided in the EIR or in RMPs	See implementation procedures identified for Mitigation Measure J.01.	Addressed within RMP.	See implementation status identified for Mitigation Measure J.01.	9/25/2000	5/25/99 No Comment	See Implementation on Notes for J.01a.	
J.01h. Include SWPPP requirements and BMPs as described in Mitigation Measure K.1 in Section VI.K, Mitigation Measures: Hydrology and Water Quality.	Owner, Agency, other developers	R.A.	RWQCB; DBI; DPW; DPH	As provided in the EIR or in RMPs	See implementation procedures identified for Mitigation Measure J.01.	Addressed within RMP.	See implementation status identified for Mitigation Measure J.01.	9/25/2000	5/25/99 No Comment	See Implementation on Notes for J.01a.	
J.01j. Develop and describe procedures for implementing a contingency plan, including appropriate notification and control procedures, in the event unanticipated subsurface hazards are discovered during construction. Control procedures could include, but would not be limited to, further investigation and removal of USTs or other hazards.	Owner, Agency, other developers	R.A.	RWQCB; DBI; DPW; DPH	As provided in the EIR or in RMPs	See implementation procedures identified for Mitigation Measure J.01.	Addressed within RMP.	See implementation status identified for Mitigation Measure J.01.	9/25/2000	5/25/99 No Comment	See Implementation on Notes for J.01a.	
J.01k. Establish procedures, as necessary, so that construction activities avoid interfering with any RWQCB-required site investigation and remediation in the free product area.	Owner, Agency, other developers	R.A.	RWQCB	As provided in the EIR or in RMPs	See implementation procedures identified for Mitigation Measure J.01.	Addressed within RMP.	See implementation status identified for Mitigation Measure J.01.	9/25/2000	5/25/99 No Comment	See Implementation on Notes for J.01a.	

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Block N04

Mitigation Measures	Mitigation Response	SFRA RA	Responsible (Other)	Mitigation Schedule	Implementation Procedures	Is Measure Applicable?	Implementation Status/Verification	RBF Review Date	Approval Date	Implementation	Name Phone/E-mail
Cert. Of Occupancy											
H.01 HEAVY EQUIPMENT STORAGE											
H.01. During the build-out period, store heavy construction equipment in the Project Area during the buildout period that is capable of traveling on damaged roads, clearing debris, and opening access to, and within, the Project Area after a major earthquake.	Owner, other developers	R.A.	Office of Emergency Services (OES)	Include in emergency response plan; update as necessary	<ol style="list-style-type: none"> 1. Owner/other developers to prepare emergency response plan for the Project Area and include Mitigation Measure H.01. 2. OES to review emergency response plan before City issues Certificate of Occupancy. 3. OES to inspect Project Area to ensure compliance with mitigation measure. 4. Agency to ensure review by OES prior to issuing Certificate of Occupancy. 5. OES to require periodic updates of emergency response plan to review and approve. 	This provision will be addressed within Emergency Response Plan.				Pending Work Plan Submittal	
H.03 COMPREHENSIVE PREPAREDNESS AND RESPONSE PLAN											
H.03a. Require the formulation of a comprehensive preparedness and response plan for the entire Project Area (as opposed to the typical building-by-building plan), integrated with the City's emergency response plans and in coordination with the Mayor's Office of Emergency Services. An emergency response plan should include:			Office of Emergency Services (OES)	Include in emergency response plan; update as necessary	<ol style="list-style-type: none"> 1. Prior to the Certificate of Completion the preparedness and response plan shall be prepared. 2. Owner to prepare emergency response plan for project area using the procedures contained in Mitigation Measure H.03.a. 3. OES to review completed emergency response plan before City issues Certificate of Occupancy. 4. Owner to modify emergency response plan (as may be necessary) to address OES review comments. 5. OES to review modified plans to ensure all prior comments/issues are addressed. 6. OES to require periodic updates of emergency response plan to review and approve. 	This measure shall be incorporated into emergency response plan.	This plan was submitted to the City of San Francisco's Mayor's Office of Emergency Services on June 4, 2001. Individual owners of each building or complex will need to submit plan prior to certificate of occupancy.	9/25/2000		Submitted May 2001	
<ul style="list-style-type: none"> - Community coordination & response - Coordination with government services - Outreach and training (not only for employees but also residents) - Food and water - Shelter - Sanitation - Consideration of need and potential locations for special facilities (operations, medical, etc.) in the context of the citywide Emergency Response Plan and the Project Area's location in Emergency Response District 3 - Organization of employees into response teams - Employee training in response procedures, including setting up a command post, communications, first aid, evacuation, security and clean-up. 											

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Block N04

Mitigation Measures	Mitigation Response	SFRA RA	Responsible (Other	Mitigation Schedule	Implementation Procedures	Is Measure Applicable?	Implementation Status/Verification	RBF Review Date	Approval Date	Implementation	Name Phone/E-mail
Cert. Of Occupancy											
J.01 RISK MANAGEMENT PLAN(S)											
J.01m. Prohibit residences with unrestricted access to soils in front yards or backyards anywhere in the Project Area.	Owner, Agency, other developers	R.A.	RWQCB; DBI; DPW; DPH	As provided in the EIR or in RMPs	See implementation procedures identified for Mitigation Measure J.01.	Addressed within RMP.	See implementation status identified for Mitigation Measure J.01.	9/25/2000	5/25/99 No Comment	See Implementation on Notes for J.01a.	
J.01n. Prohibit access to native soils for private use. If disturbance of native subsurface soils or groundwater dewatering is planned, carry out these activities in accordance with the elements of the RMP called for in Measures J.01d through J.01k. Following construction or excavation or soil disturbance, restore the cap in accordance with the provisions of the RMP as called for in Measure J.01l.	Owner, Agency, other developers	R.A.	RWQCB; DBI; DPW; DPH	As provided in the EIR or in RMPs	See implementation procedures identified for Mitigation Measure J.01.	Addressed within RMP.	See implementation status identified for Mitigation Measure J.01.	9/25/2000	5/25/99 No Comment	See Implementation on Notes for J.01a.	
J.01o. Prohibit the use of shallow groundwater within the Project Area for domestic, industrial, or irrigation purposes. Permit installation of groundwater wells within the Project Area only for environmental monitoring purposes. Secure and lock environmental wells installed within the Project Area to prevent unauthorized access to the groundwater. In the event the use of shallow groundwater is proposed, perform an assessment of the risks from direct exposure to the groundwater prior to use and obtain RWQCB or other appropriate regulatory agency approval of the results of the assessment and proposed uses.	Owner, Agency, other developers	R.A.	RWQCB; DBI; DPW; DPH	As provided in the EIR or in RMPs	See implementation procedures identified for Mitigation Measure J.01.	Addressed within RMP.	See implementation status identified for Mitigation Measure J.01.	9/25/2000	5/25/99 No Comment	See Implementation on Notes for J.01a.	