MEASURES ADOPTED AS CONDITIONS OF APPROVAL	Responsibility for Implementation	Schedule	Monitoring/Report Responsibility	Status/Date Completed
Archeological Resources Mitigation Measure				
Project Mitigation Measure 1 – Soils Disturbing Activities (Mitigation Measure 5.6.A1 of the Market and Octavia FEIR). **Pursuant to *Mitigation Measure 5.6.A1*, any soils-disturbing activities proposed within this area shall be required to submit an addendum to the respective ARD/TP prepared by a qualified archeological consultant with expertise in California prehistoric and urban historical archeology to the Environmental Review Officer (ERO) for review and approval. The addendum to the ARD/TP shall evaluate the potential effects of the project on legally-significant archeological resources with respect to the site- and project-specific information absent in the ARD/TP. The addendum report to the ARD/TP shall have the following content:** **1. Summary: Description of subsurface effect of the proposed project and of previous soils-disturbing activities;** **2. Historical Development: If demographic data for the project site is absent in the discussion in the ARD/TP, the addendum shall include new demographic data regarding former site occupants;** **3. Identification of potential archeological resources: Discussion of any identified potential prehistoric or historical archeological resources;** **4. Integrity and Significance: Eligibility of identified expected resources for listing to the California Register of Historical Resources (CRHR); Identification of Applicable Research Themes/Questions (in the ARD/TP) that would be addressed by the expected archeological resources that are identified;** **5. Impacts of Proposed Project;** **6. Potential Soils Hazards: Update discussion for proposed project;** **7. Archeological Testing Plan (if archeological testing is determined warranted): the Archeological Testing Plan (ATP) shall include:** **A. Proposed archeological testing strategies and their justification** **B. Expected archeological resources** **C. For historic archeological resources** **1) Historic address or other local information**	Project sponsor.	Prior to project approval.	Planning Department Environmental Review Officer (ERO) shall determine further mitigation required, following completion of final addendum to ARD/TP.	Considered complete upon Planning Department review of approval of addendum to ARD/TP or as appropriate approval of Final Archaeological Resources Report (FARR).

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2) Archeological property type **D. For all archeological resources** **1) Estimate depth below the surface** **2) Expected integrity** **3) Preliminary assessment of eligibility to the CRHR** **E. ATP Map** **1) Location of expected archeological resources** **2) Location of expected project sub-grade impacts** **3) Areas of prior soil disturbance** **4) Archeological testing locations by type of testing** **5)Base map: 1886/7 Sanborn Fire Insurance Company map**				
Air Quality Mitigation Measure				
Project Mitigation Measure 2 – Short-term Construction Exhaust Emissions (Mitigation Measure 5.8B of the Market and Octavia FEIR). **To reduce program or project level short-term exhaust emissions from construction equipment, the following mitigation measures shall be implemented for construction activities in the project area: confine idle time of combustion engine construction equipment at construction sites to five minutes; maintain and properly tune construction equipment in accordance to manufacturer's specifications; use alternative fuel or electrical construction equipment at the project site when feasible; for construction exhaust emissions during demolition, excavators and loaders shall meet Tier 3 emissions standards; excavators, dozers, and drill rigs shall meet Tier 3 emissions standards during site preparation; and forklifts, skip loaders (tractor), mini excavator, and paving and rolling machines shall meet Tier 3 emissions standards during building construction activities.**	Project sponsor.	During demolition, excavation, and construction.	Department of Building Inspection (DBI).	Maintain on-site observations as warranted; review daily field reports and inspect construction; prepare daily field and monthly compliance reports and submit to the DBI. Compliance through site permit process. DBI to monitor during construction.
Wind Mitigation Measure				
Project Mitigation Measure 3 – All New Construction (Mitigation Measure 5.5.B2 of the Market and Octavia FEIR). The following standards for reduction of ground-level wind currents shall be applied to all new construction in the Project Area: ***• New building and additions to existing buildings shall be shaped, or other wind baffling measures shall be adopted, so that the development will not cause year-round ground-level wind currents to exceed, more than 10***	Project sponsor	During project design & development phase.	Planning Department	Considered complete upon design review by Planning Department.

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percent of the time between 7:00 AM and 6:00 PM, the comfort level of 11 mph equivalent wind speed in areas of pedestrian use and seven mph equivalent wind speed in public seating areas. When pre- existing ambient wind speeds exceed the comfort levels specified above, the building shall be designed to reduce the ambient wind speeds in efforts to meet the goals of this requirement. ***• An exception to this requirement may be permitted, but only if and to the extent that the project sponsor demonstrates that the building or addition cannot be shaped or wind baffling measures cannot be adopted without unduly restricting the development potential of the building site in question.*** ***• The exception may permit the building or addition to increase the time that the comfort level is exceeded, but only to the extent necessary to avoid undue restriction of the development potential of the site.*** ***• Notwithstanding the above, no exception shall be allowed and no building or addition shall be permitted that causes equivalent wind speeds to reach or exceed the hazard level of 26 mph for a single hour of the year.*** ***• For the purpose of this Section, the term "equivalent wind speed" shall mean an hourly wind speed adjusted to incorporate the effects of gustiness or turbulence on pedestrians.***				
Shadow Mitigation Measure				
Project Mitigation Measure 4 – Shadow on Non-Section 295 Open Space (Mitigation Measure 5.5A2 of the Market and Octavia FEIR). **Where the building height exceeds 50 feet shall be shaped, consistent with the dictates of good design and without unduly restricting the development potential of the project site, to reduce substantial shadow impacts on public plazas and other publicly accessible spaces other than those protected under Section 295. The degree of shadow impact should be determined by the amount of area shaded, the duration of the shadow, and the importance of sunlight to the type of open space being shaded.**	Project sponsor.	During project design & development phase.	Planning Department & Recreation and Parks Department.	Considered complete upon design review by Planning Department.
Geology, Soils, and Seismicity Mitigation Measure				
Project Mitigation Measure 5 – Construction-related Soils (Mitigation Measure 5.11A of the Market and Octavia FEIR). **Best Management Practices (BMP) erosion control features shall be developed with the following objectives and basic strategy: protect disturbed areas through minimization and duration of exposure; control surface runoff and maintain low runoff velocities; trap sediment onsite; and minimize length and steepness of slopes.**	Project sponsor.	During construction.	Project sponsor/DBI.	On-site monitoring by project sponsor and DBI.

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Hazardous Materials Mitigation Measure				
Project Mitigation Measure 6 – Site Mitigation Plan (Mitigation Measure 5.10A of the Market and Octavia FEIR). **A site mitigation plan (SMP) must be prepared to address the testing and management of contaminated soils, contingency response actions, worker health and safety, dust control plan, storm water related items, and noise control. The SMP should address:** • **Proposed vertical and lateral extent of excavation;** • **Proposed building locations and configurations;** • **Management options for contaminated soils;** • **If onsite treatment to immobilize metals will be performed, include a description of the process and its effectiveness;** • **Identify the proposed soil transporter and disposal locations;** • **Collection of confirmation samples in the excavation area following excavation. The approximate number and proposed locations for sampling;** • **The site clean up level for lead of 200 mg/kg;** • **Soil samples should be analyzed for the appropriate TPH ranges and metals;** • **Dust control plan and measures per San Francisco Health Code Article 22B;** • **Contingency Plan that describes the procedures for controlling, containing, remediating, testing and disposing of any unexpected contaminated soil, water, or other material;** • **Site specific Health and Safety Plan; and** • **Storm Water Control and Noise Control protocols as applicable.** **If confirmation samples exceed residential clean up guidelines, additional excavation should be performed, or "other mitigating measures" acceptable to DPH implemented. Alternative additional excavation and sampling could be performed or other mitigation measure may be proposed, if necessary.** **Should an underground storage tank be encountered, it shall be removed under permit with the SFDPH-HMUPA and the SFFD.** **The SMP should be submitted at least six weeks prior to beginning construction excavation work. The Health and Safety Plan may be submitted two weeks prior to beginning construction field work.** **Additional measures to protect the community generally shall include:**	Project sponsor.	SMP should be submitted at least six weeks prior to beginning construction excavation work. Health and Safety Plan may be submitted two weeks prior to beginning construction field work.	Project sponsor/San Francisco Department of Public Health (DPH).	Considered complete upon submittal of SMP.

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• **Airborne particulates shall be minimized by wetting exposed soils, as appropriate, containing runoff, and tarping over-night and weekends;** • **Storage stockpiles shall be minimized, where practical, and properly labeled and secured;** • **Vehicle speeds across unpaved areas shall not exceed 15 mph to reduce dust emissions;** • **Activities shall be conducted so as not to track contaminants beyond the regulated area;** • **Misting, fogging, or periodic dampening shall be utilized to minimize fugitive dust, as appropriate; and/or** • **Contaminants and regulated areas shall be properly maintained.** **The SMP would be conducted under the supervision of DPH.**	Project sponsor.	During construction.	Project sponsor/DBI.	On-site monitoring by project sponsor & DBI.