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		Association of Monterey Bay Area Governments (AMBAG). <u>Consistency letter</u> . December 29, 2005.				
		Ambient Air Quality and Noise Consulting. <u>Carbon Monoxide Modeling.</u>				
		PMC. <u>Urbemis 2007 Modeling.</u> - Estimated Construction Emissions.				
	Appendix	C Biological Resources				
		Staub Forestry and Environmental Consulting. <u>Forest Management Plan for Harper Canyon Realty.</u> June 2001.				
		Staub Forestry and Environmental Consultant. <u>Addendum to Forest Management Plan dated June 2001</u> . April 28, 2008.				
		Zander Associates. Results of Follow-up Survey. October 3, 2001.				
		Zander Associates. <u>Biological Resources Assessment</u> . July 13, 2001.				

Zander Associates. <u>Biological Resources Assessment</u>. November 11, 2005.

#### Appendix D - Cultural Resources

Archaeology Consultants. <u>Preliminary Cultural Resources</u> <u>Reconnaissance of Portions of APM 416-211-21 and 415-011-01, San</u> Benancio, Monterey County, California. May 22, 1993

Pacific Municipal Consultants. Written communication to the County of Monterey Planning and Building Inspection Department from Pacific Municipal Consultants regarding the Harper Canyon Subdivision. November 30, 2005.

Pacific Municipal Consultants <u>Archaeological and Historical</u> Investigations. May 2006.

#### Appendix E Geology and Soils

D&M Consulting Engineers, Inc. <u>Geological and Geotechnical</u> Feasibility-Level. August 6, 2001.

#### Appendix F - Groundwater Resources

Monterey County Division of Environmental Health. <u>Project Specific Hydrogeologic Report</u>. Prepared by Todd Engineers. September 2002. Updated July 2003.

Monterey County division of Environmental Health. Written Correspondence to Paul Mugan, Associate Planner, Planning and Building Inspection Department from Laura Lawrence, R.E.H.S., EHS IV, Health Department. November 12, 2002.

California-American Water Company. <u>Written Correspondence to Mr. Michael Cling, Attorney at Law from Terry Ryan</u>. April 19, 2001.

## Appendix G Surface Water and Water Quality

Whitson Engineers. Preliminary Drainage Report. March 22, 2007.

### Appendix H Public Services and Utilities

Regional Water Quality Control Board (RWQCB). <u>Written</u> communication from Roger Briggs, Executive Officer, RWQCB to Pamela Lapham, Assistant Planner, PMC regarding California Utilities Company. April 7, 2006.

California-American Water Company. <u>Will serve letter</u>. April 19, 2001

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