

Contents

	Page
List of Tables	x
List of Figures	xiv
Acronyms and Abbreviations	xiv
Executive Summary	ES-1
Introduction.....	ES-1
Project Overview	ES-1
Project Location	ES-1
Project Background.....	ES-1
Project Goals and Objectives	ES-2
Proposed Project.....	ES-2
130-Unit Alternative	ES-3
Areas of Known Controversy and Concern.....	ES-4
Other Alternatives Considered.....	ES-7
Environmentally Superior Alternative	ES-12
Summary of Impacts and Mitigation Measures and Levels of Significance.....	ES-14
Chapter 1 Introduction.....	1-1
Purpose of the EIR	1-1
Scope and Organization of the EIR	1-2
Impact Terminology	1-3
Approval Process for the Proposed Project	1-4
Chapter 2 Project Description	2-1
Project Overview	2-1
Project Background	2-1
Project Location.....	2-2
Proposed Project Objectives and Goals	2-2
Proposed Project	2-3
Housing	2-3
Open Space, Recreation, and Common Areas.....	2-4
Circulation.....	2-6
Utilities.....	2-7
Drainage.....	2-8
Design Guidelines.....	2-9
Construction.....	2-10
130-Unit Alternative.....	2-11

Project Objectives	2-11
Housing	2-11
Open Space, Recreation, and Common Areas.....	2-13
Public–Quasi Public Lot Reconfiguration	2-14
Circulation.....	2-14
Utilities.....	2-14
Drainage.....	2-15
Design Guidelines.....	2-16
Land Use Requirements.....	2-16
Construction.....	2-16
Intended Uses of this Draft EIR	2-17
Chapter 3.0 Environmental Analysis	3.0-1
Introduction to the Analysis	3.0-1
Significance of Environmental Impacts.....	3.0-1
Chapter 3.1 Geology, Seismicity, and Soils	3.1-1
Introduction.....	3.1-1
Impact Summary	3.1-1
Environmental Setting.....	3.1-3
Research Methods	3.1-3
Geologic Setting	3.1-4
Soils	3.1-4
Seismicity	3.1-6
Regulatory Setting	3.1-7
Federal Policies and Regulations	3.1-7
State Policies and Regulations	3.1-7
Local Policies and Regulations	3.1-8
Impact Analysis.....	3.1-13
Methods for Analysis	3.1-13
Criteria for Determining Significance.....	3.1-13
Impacts and Mitigation Measures	3.1-14
Chapter 3.2 Hydrology and Water Quality.....	3.2-1
Introduction.....	3.2-1
Impact Summary	3.2-1
Environmental Setting.....	3.2-3
Research Methods	3.2-3
Existing Conditions	3.2-3
Regulatory Setting	3.2-8
Federal Policies and Regulations	3.2-8

State Policies and Regulations	3.2-10
Local Policies and Regulations	3.2-14
Impact Analysis.....	3.2-20
Methods for Analysis	3.2-20
Criteria for Determining Significance.....	3.2-21
Impacts and Mitigation Measures	3.2-22
Chapter 3.3 Biological Resources.....	3.3-1
Introduction.....	3.3-1
Impact Summary	3.3-1
Environmental Setting	3.3-5
Common Vegetation and Wildlife Observed on the Project Site	3.3-6
Sensitive Natural Communities.....	3.3-10
Carmel Middle School Hilton-Bialek Biological Sciences Project	3.3-12
Special-Status Species.....	3.3-13
Wildlife Movement Corridors	3.3-38
Regulatory Setting	3.3-40
Federal Policies and Regulations	3.3-40
State Policies and Regulations	3.3-43
Local Policies and Regulations	3.3-44
Impact Analysis.....	3.3-50
Methods for Analysis	3.3-50
Criteria for Determining Significance.....	3.3-51
Impacts and Mitigation Measures	3.3-52
Chapter 3.4 Aesthetics	3.4-1
Introduction.....	3.4-1
Impact Summary	3.4-1
Research Methods.....	3.4-2
Visual Character	3.4-2
Viewer Response: Exposure and Sensitivity	3.4-3
Environmental Setting	3.4-3
Regional Visual Character	3.4-3
Project Vicinity Visual Character	3.4-4
Views of the Project Site from Adjacent Areas.....	3.4-5
Regulatory Setting	3.4-8
Federal Policies and Regulations	3.4-8
State Policies and Regulations	3.4-8
Local Policies and Regulations	3.4-8
Impact Analysis.....	3.4-13

Methods of Analysis.....	3.4-13
Criteria for Determining Significance.....	3.4-14
Impacts and Mitigation Measures	3.4-14
Chapter 3.5 Land Use	3.5-1
Introduction.....	3.5-1
Impact Summary	3.5-1
Environmental Setting	3.5-2
Research Methods	3.5-3
Regional Setting	3.5-3
Project Setting.....	3.5-3
Regulatory Setting	3.5-4
Federal Policies and Regulations	3.5-4
State Policies and Regulations	3.5-4
Local Policies and Regulations	3.5-4
Impact Analysis.....	3.5-13
Methods for Analysis	3.5-13
Criteria for Determining Significance.....	3.5-13
Impacts and Mitigation Measures	3.5-14
Chapter 3.6 Hazards and Hazardous Materials	3.6-1
Introduction.....	3.6-1
Impact Summary	3.6-1
Environmental Setting	3.6-2
Research Methods	3.6-3
Definitions.....	3.6-3
Existing Conditions in the Project Area.....	3.6-4
Existing Conditions in Adjacent Areas.....	3.6-4
Phase One Findings.....	3.6-6
Regulatory Setting	3.6-7
Federal Policies and Regulations	3.6-7
State Policies and Regulations	3.6-7
Local Policies and Regulations	3.6-9
Impact Analysis.....	3.6-10
Methods for Analysis	3.6-10
Criteria for Determining Significance.....	3.6-10
Impacts and Mitigation Measures	3.6-11
Chapter 3.7 Transportation and Traffic	3.7-1
Introduction.....	3.7-1
Impact Summary	3.7-1

Environmental Setting	3.7-2
Research Methods	3.7-2
Study Area	3.7-5
Existing Conditions	3.7-7
Regulatory Setting	3.7-12
State Policies and Regulations	3.7-12
Local Policies and Regulations	3.7-13
Impact Analysis.....	3.7-18
Methodology.....	3.7-18
Criteria for Determining Significance.....	3.7-21
Project Impacts and Mitigation Measures.....	3.7-22
Chapter 3.8 Air Quality	3.8-1
Introduction.....	3.8-1
Impact Summary	3.8-1
Environmental Setting	3.8-2
Research Methods	3.8-2
Existing Conditions.....	3.8-3
Regulatory Setting	3.8-9
Federal Policies and Regulations	3.8-9
State Policies and Regulations	3.8-11
Local Policies and Regulations	3.8-12
Impact Analysis.....	3.8-15
Methods of Analysis.....	3.8-15
Criteria for Determining Significance.....	3.8-18
Project Impacts and Mitigation Measures.....	3.8-19
Chapter 3.9 Noise	3.9-1
Introduction.....	3.9-1
Impact Summary	3.9-1
Environmental Setting	3.9-2
Research Methods	3.9-2
Noise Terminology	3.9-3
Noise-Sensitive Land Uses	3.9-7
Existing Noise Environment	3.9-7
Regulatory Setting	3.9-9
Local Policies and Regulations	3.9-9
Impact Analysis.....	3.9-14
Methods for Analysis	3.9-14
Criteria for Determining Significance.....	3.9-15

Impacts and Mitigation Measures	3.9-15
Chapter 3.10 Public Services, Utilities, and Recreation	3.10-1
Introduction.....	3.10-1
Impact Summary	3.10-1
Environmental Setting.....	3.10-2
Existing Conditions.....	3.10-3
Regulatory Setting	3.10-7
Federal Policies and Regulations	3.10-7
State Policies and Regulations	3.10-7
Local Policies and Regulations	3.10-12
Monterey Peninsula Water Management District.....	3.10-17
Monterey County Department of Environmental Health.....	3.10-18
Impact Analysis.....	3.10-18
Methods of Analysis.....	3.10-18
Criteria for Determining Significance.....	3.10-19
Impacts and Mitigation Measures	3.10-20
Chapter 3.11 Cultural Resources	3.11-1
Introduction.....	3.11-1
Impact Summary	3.11-1
Environmental Setting.....	3.11-2
Existing Conditions.....	3.11-2
Methodology.....	3.11-2
Prehistoric Context	3.11-3
Ethnographic Background.....	3.11-5
Historic Context	3.11-6
Paleontological Resources	3.11-6
Records Search Results	3.11-7
Native American Correspondence	3.11-8
Regulatory Setting	3.11-8
Federal Policies and Regulations	3.11-8
State Policies and Regulations	3.11-8
Paleontological Resources	3.11-11
Local Regulations	3.11-12
Impact Analysis.....	3.11-17
Methods for Analysis	3.11-17
Criteria for Determining Significance.....	3.11-17
Impacts and Mitigation Measures	3.11-18
Chapter 3.12 Population and Housing	3.12-1

Introduction.....	3.12-1
Impact Summary	3.12-1
Environmental Setting.....	3.12-2
Population Trends.....	3.12-2
Race and Ethnicity.....	3.12-2
Employment and Income.....	3.12-3
Housing	3.12-4
Regulatory Setting	3.12-5
Federal and State Regulations	3.12-5
Local Policies and Regulations	3.12-5
Impact Analysis.....	3.12-8
Methods of Analysis.....	3.12-8
Criteria for Determining Significance.....	3.12-8
Impacts and Mitigation Measures	3.12-9
Chapter 3.13 Greenhouse Gas Emissions and Climate Change	3.13-1
Introduction.....	3.13-1
Impact Summary	3.13-1
Environmental Setting.....	3.13-2
Research Methods	3.13-2
Background Information.....	3.13-3
Existing Conditions.....	3.13-5
Regulatory Setting	3.13-6
Federal Policies and Regulations	3.13-6
State Policies and Regulations	3.13-8
Local Policies and Regulations	3.13-11
Impact Analysis.....	3.13-12
Methodology.....	3.13-12
Criteria for Determining Significance.....	3.13-15
Impacts and Mitigation Measures	3.13-16
Chapter 4 Other CEQA-Required Sections	4-1
Introduction.....	4-1
Cumulative Impacts	4-1
CEQA Requirements.....	4-1
Assumptions and Methods	4-2
Potential Plans and Projects with Related or Cumulative Impacts.....	4-3
Analysis of Cumulative Impacts	4-8
Growth-Inducing Impacts.....	4-38
CEQA Requirements.....	4-38

Approach to the Growth-Inducement Analysis	4-38
Growth-Related Impacts of the Proposed Project.....	4-39
Significant and Unavoidable Impacts	4-42
Irreversible and Irrecoverable Commitment of Resources.....	4-43
Chapter 5 Alternatives Analysis.....	5-1
Alternatives Analysis	5-1
Proposed Project Goal and Objectives.....	5-1
Economic Goals.....	5-1
Environmental Goals.....	5-2
Social Goals	5-2
Proposed Project	5-2
Project Features.....	5-2
Impacts of the Proposed Project	5-2
Alternatives Analyzed in this Recirculated Draft EIR.....	5-5
Alternative 1—No Project.....	5-5
Alternative 2—East Golf Course Alternative	5-9
Alternative 3—Medium Density Alternative	5-11
Alternative 4—Low Density Alternative	5-14
Alternative 5—Proposed Project with Rio Road Extension Emergency Access Only	5-16
Alternative 6—281-Unit Stemple Property Avoidance Alternative.....	5-18
Environmentally Superior Alternative	5-20
Environmentally Superior Alternative for Direct and Indirect Impacts	5-20
Environmentally Superior Alternative for Cumulative Impacts.....	5-21
Environmentally Superior Alternative Overall	5-22
Alternatives Considered but Dismissed from Further Analysis.....	5-22
Compliance with Existing Zoning Alternative	5-22
Care Facilities Prohibition Alternative	5-22
Flood Control Alternatives	5-23
Reclaimed Water Reuse Alternative	5-24
Rio Road Extension Alternative.....	5-25
Traffic/Transit Improvements Alternative	5-25
Visitor-Serving Development	5-26
Chapter 6 References Cited	6-1
Chapter 7 Report Preparation	7-1

Appendices

Appendix A Notice of Preparation

Appendix B Rancho Cañada Village Pattern Book

Appendix C Restoration Plan

Appendix D CVMP Policy Consistency Analysis

Appendix E Rancho Cañada Residential Development Traffic Study

Appendix F Air Quality and Greenhouse Gas Emission Calculations

Appendix G Noise Evaluations

Tables

	On Page
ES-1 Summary of Impacts.....	ES-15
2-1 Rancho Cañada Village Proposed Project Housing Mix	2-4
2-2 Vegetation Communities to be Restored in the Habitat Preserve.....	2-5
2-3 130-Unit Alternative Proposed Housing Mix	2-12
2-4 130-Unit Alternative Property Development Standards.....	2-13
2-5 Summary of Local, State, and Federal Discretionary Actions.....	2-17
3.1-1 Geology, Seismicity, and Soils Impact Summary.....	3.1-2
3.2-1 Hydrology and Water Quality Impact Summary.....	3.2-1
3.2-2 FEMA Flood Insurance Flows along the Carmel River	3.2-5
3.2-3 Water Quality Objectives for the Carmel River	3.2-7
3.2-4 Central Coast Regional Water Board MS4 Post-Construction Stormwater Requirements	3.2-13
3.2-5 Estimated New Impervious Areas for the Proposed Project and 130-Unit Alternative	3.2-22
3.3-1 Biological Resources Impact Summary	3.3-1
3.3-2 Total Area of Vegetation by Community Type in the Project Area	3.3-6
3.3-3 Special-Status Plant Species Identified as Potentially Occurring in the Project Vicinity	3.3-14
3.3-4 Special-Status Wildlife and Fish Species with Potential to Occur in the Project Vicinity.....	3.3-23
3.3-5 Total Area of Impact on Vegetation by Community Type in the Proposed Project and 130-Unit Alternative Sites	3.3-52
3.3-6 Tree Removal and Replacement.....	3.3-56
3.4-1 Aesthetics Impact Summary.....	3.4-1
3.4-2 Summary of Proposed Project Height Limits.....	3.4-15
3.4-3 Summary of Lot Specifications.....	3.4-16
3.5-1 Land Use Impact Summary.....	3.5-2
3.6-1 Hazardous Materials Impact Summary.....	3.6-1

3.6-2	Summary of Potential Hazardous Materials Near the Project Site.....	3.6-5
3.7-1	Transportation and Traffic Impact Summary.....	3.7-1
3.7-2	Intersection Level of Service Thresholds.....	3.7-4
3.7-3	Carmel Valley Road Average Daily Traffic Thresholds	3.7-4
3.7-4	Roadway Segment Level of Service Thresholds.....	3.7-5
3.7-5	Existing Intersection Levels of Service	3.7-10
3.7-6	Existing Average Daily Traffic on Carmel Valley Road.....	3.7-11
3.7-7	Existing Highway and Roadway Segments Level of Service	3.7-12
3.7-8	Project Trip Generation for the Proposed Project and 130-Unit Alternative.....	3.7-20
3.7-9	Existing Plus Proposed Project Intersection Levels of Service	3.7-23
3.7-10	Existing and Existing Plus 130-Unit Alternative Levels of Service	3.7-24
3.7-11	Proposed Project Level of Service and Average Daily Trips on Carmel Valley Road Segments.....	3.7-27
3.7-12	130-Unit Alternative Level of Service and Average Daily Traffic on Carmel Valley Road Segments.....	3.7-28
3.7-13	Existing Conditions and Existing Plus Proposed Project Level of Service on State Route 1.....	3.7-30
3.7-14	Existing Conditions and Existing Plus 130-Unit Alternative Level of Service on State Route 1	3.7-31
3.8-1	Air Quality Impact Summary	3.8-1
3.8-2	Ambient Air Quality Monitoring Data from the Carmel Valley-Ford Road, King City, and Salinas Stations (2012–2014)	3.8-7
3.8-3	Federal and State Attainment Status for the Monterey County Portion of the North Central Coast Air Basin.....	3.8-8
3.8-4	National and California Ambient Air Quality Standards.....	3.8-10
3.8-5	Existing (Baseline) Operational Criteria Pollutant Emissions	3.8-17
3.8-6	Proposed Project Unmitigated Operational Emissions	3.8-20
3.8-7	Proposed Project Mitigated Operational Emissions	3.8-21
3.8-8	130-Unit Alternative Unmitigated Operational Emissions	3.8-22
3.8-9	130-Unit Alternative Mitigated Operational Emissions	3.8-23
3.8-10	Proposed Project Direct Construction PM10 Emissions	3.8-24

3.8-11	130-Unit Alternative Direct Construction PM10 Emissions	3.8-26
3.8-12	Proposed Project Potential Health Risks to Air Quality Sensitive Receptors near the Project Site.....	3.8-27
3.8-13	130-Unit Alternative Potential Health Risks to Air Quality Sensitive Receptors near the Project Site.....	3.8-28
3.9-1	Noise Impact Summary	3.9-2
3.9-2	Typical A-Weighted Noise Levels.....	3.9-5
3.9-3	Summary of Noise Monitoring Results.....	3.9-8
3.9-4	Traffic Noise Modeling Results for Existing Conditions	3.9-9
3.9-5	Monterey County Community Noise Exposure Levels (L_{dn} or CNEL, dBA)	3.9-11
3.9-6	Land Use Compatibility for Exterior Community Noise	3.9-14
3.9-7	Traffic Noise Modeling Results for the Proposed Project	3.9-16
3.9-8	Traffic Noise Modeling Results for the 130-Unit Alternative	3.9-19
3.10-1	Public Services, Utilities, and Recreation Impact Summary	3.10-1
3.10-2	Summary of Public Service, Utility, and Recreation Providers in the Project Area	3.10-3
3.10-3	Existing Rancho Cañada Golf Course Use, 1991–2014.....	3.10-6
3.10-4	Baseline Water Use on Rancho Cañada Project Site.....	3.10-24
3.10-5	Water Demand by Housing Type	3.10-25
3.10-6	Rancho Cañada Village Estimated Water Demand/Use	3.10-26
3.10-7	Rancho Cañada Village Water Impact	3.10-26
3.10-8	130-Unit Alternative Estimated Water Demand/Use.....	3.10-27
3.10-9	130-Unit Alternative Water Impact	3.10-28
3.11-1	Cultural Resources Impact Summary.....	3.11-1
3.12-1	Population and Housing Impact Summary	3.12-1
3.12-2	Population Trends in Monterey County by Area.....	3.12-2
3.12-3	2010 Race Characteristics of Monterey County.....	3.12-3
3.12-4	2012 Income Characteristics in Monterey County	3.12-3
3.12-5	2010 Selected Housing Characteristics in Monterey County	3.12-4
3.13-1	Greenhouse Gas Emissions and Climate Change Impact Summary	3.13-2

3.13-2 Lifetime, Global Warming Potential, and Abundance of Key Greenhouse Gas Emissions	3.13-4
3.13-3 Existing Operational Greenhouse Gas Emission at Project Site	3.13-6
3.13-4 Proposed Project Construction Greenhouse Gas Emissions.....	3.13-16
3.13-5 Proposed Project Operational Greenhouse Gas Emissions Increases over Existing Conditions	3.13-17
3.13-6 Proposed Project Operational Greenhouse Gas Emissions Increases over Existing Conditions with State Measures and Potential Project Mitigation.....	3.13-18
3.13-7 130-Unit Alternative Construction GHG Emissions.....	3.13-19
3.13-8 130-Unit Alternative Operational GHG Emissions Increases over Existing Conditions.....	3.13-20
3.13-9 130-Unit Alternative Operational Greenhouse Gas Emissions Increases over Existing Conditions with State Measures and Potential Project Mitigation.....	3.13-21
4-1 Cumulative Analysis Approach and Applicable Geographic Setting by Resource Area	4-3
4-2 Cumulative Intersection Levels of Service	4-21
4-3 Cumulative Plus Proposed Project and 130-Unit Alternative Roadway Segment Analysis.....	4-25
4-4 Cumulative Roadway Segment Average Daily Traffic	4-27
4-5 Cumulative Traffic Noise Modeling Results for the Proposed Project.....	4-32
4-6 Cumulative Traffic Noise Modeling Results for the 130-Unit Alternative	4-33

Figures

	Follows Page
ES-1 Project Vicinity.....	ES-2
2-1 Project Vicinity.....	2-2
2-2 Project Location.....	2-2
2-3 Proposed Project Vesting Tentative Map.....	2-4
2-4 Proposed Project Lots and Parcels	2-6
2-5 Proposed Project Preliminary Grading and Drainage Plan.....	2-6
2-6 Proposed Project Preliminary Utility Plan	2-8
2-7 Proposed Project Slope Analysis Map	2-10
2-8 130-Unit Alternative Site Plan.....	2-12
2-9 130-Unit Alternative Preliminary Grading and Drainage Plan.....	2-14
3.1-1 Regional Faulting and Seismicity	3.1-6
3.2-1 County Drainage Areas 25, 26, and 27	3.2-4
3.2-2 Proposed Project Existing Topography.....	3.2-4
3.2-3 FEMA Floodplain Boundaries in the Proposed Project.....	3.2-6
3.2-4 FEMA Floodplain Boundaries in the 130-Unit Alternative.....	3.2-6
3.3-1 Biological Resources and Communities in the Project Area.....	3.3-6
3.3-2 Locations of CNDDDB Records for Special-Status Animals within 5 miles of the Project Area.....	3.3-32
3.3-3 Wildlife Corridors in the Project Area.....	3.3-38
3.4-1 Photo and Simulation Locations.....	3.4-6
3.4-2a Representative Onsite Views (North–South)	3.4-6
3.4-2b Representative Onsite Views (East–West).....	3.4-6
3.4-2c Views of Lot 130 (Photo 5) and Five PQP Lots (Photo 6) from the Golf Course.....	3.4-6
3.4-3a Views of Project Area from Carmel Valley Road.....	3.4-6
3.4-3b Views of Project Area from Carmel Valley Road.....	3.4-6
3.4-3c Views of Project Area from Carmel Valley Road.....	3.4-6

3.4-3d Views of Lot 130 (Photo 13) and Five PQP Lots (Photo 14) from Carmel Valley Road.....	3.4-6
3.4-4a Views of Project Area from Neighborhoods North of Carmel Valley Road.....	3.4-6
3.4-4b Views of Project Area from Neighborhoods North of Carmel Valley Road.....	3.4-6
3.4-5a Views of Project Area from West of the Project.....	3.4-6
3.4-5b Views of Project Area from West of the Project.....	3.4-8
3.4-6 Other Views of Project Area	3.4-8
3.4-7 Visual Sensitivity.....	3.4-12
3.4-8 Block/Mass Simulations #1 from Rio Road West	3.4-18
3.4-9 Block and Mass Simulations #2 from Carmel Middle School	3.4-18
3.4-10 Block/Mass Simulations #3 from Rio Road/Community Church.....	3.4-18
3.4-11 Views of the Proposed Project and 130-Unit Alternative from Carmel Valley Road.....	3.4-24
3.4-12 Block and Mass Simulation #4 from Carmel Valley Road	3.4-24
3.5-1 Existing Land Use Designation.....	3.5-4
3.7-1 Study Locations	3.7-6
3.7-2 Existing Peak Hour Volumes and Lane Configurations.....	3.7-10
3.7-3 Trip Distribution	3.7-20
3.7-4 Proposed Project Trip Assignment	3.7-20
3.7-5 130-Unit Alternative Trip Assignment	3.7-20
3.7-6 Existing Plus Proposed Project Volumes	3.7-22
3.7-7 Existing Plus 130–Unit Alternative Volumes	3.7-22
3.9-1 Noise Monitoring Locations	3.9-8
4-1 Cumulative Projects in the Project Area	4-6
4-2 Wildlife Corridor Mitigation.....	4-14
4-3 Cumulative Plus Proposed Project Volumes	4-20
4-4 Cumulative Plus 130-Unit Alternative	4-20
5-1 Alternative 6–281 Stemple Property Avoidance Alterantive.....	5-18

Acronyms and Abbreviations

μ/m^3	micrograms per cubic meter
μP	micro-Pascals
$\mu S/cm$	microSiemens/cm
AB	Assembly Bill
ADT	Average daily traffic
AGR	Agricultural Supply
AMBAG	Association of Monterey Bay Area Governments
APN	Assessor Parcel Number
AQMP	Air Quality Management Plan
ARB	California Air Resources Board
Area Plan	Greater Monterey Peninsula Area Plan
Area Plan	Greater Monterey Peninsula Area Plan
ASTM	American Society for Testing and Materials
BA	Biological assessment
BMP	best management practices
Board	County Board of Supervisors
CAA	federal Clean Air Act
CAAA	Clean Air Act Amendments of 1990
CAAQS	state ambient air quality standards
Cal-OSHA	California Occupational Safety and Health Administration
Caltrans	California Department of Transportation
CAWD	Carmel Area Wastewater District
CCAA	California Clean Air Act
CCR	California Code of Regulations
CCR	California Code of Regulations
CCRWQCB	Central Coast Regional Water Quality Control Board
CEC	California Energy Commission
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CESA	California Endangered Species Act

CF	Code of Federal Regulations
CFPD	Cypress Fire Protection District
cfs	Cubic feet per second
CH4	methane
CIP	Capital Improvement Projects
CLOMR	Conditional Letter of Map Revision
CMI	County Median Income
CMP	Congestion Management Program
CNEL	Community Noise Equivalent Level
CNPS	California Native Plant Society
CO	carbon monoxide
CO ₂	carbon dioxide
COLD	Cold Fresh Water Habitat
COMM	Commercial and Sport Fishing
CORTESE	Cortese Hazardous Waste and Subastance Site List
County	Monterey County
CRHR	California Register of Historical Resources
CRLF	California Red-Legged Frog
CSD	Community Services District
CT	Census Tract
CUSD	Carmel Unified School District
CVMP	Carmel Valley Master Plan
CVSIM	Carmel Valley Simulation Model
CVTIP	Carmel Valley Traffic Improvement Plan
CWA	Clean Water Act
CWA	Clean Water Act
CY	cubic yards
DA 26	Drainage Area 26
DA 27	Drainage Area 27
dB	decibels
dBA	A-weighted decibels
DEIR	Draft Environmental Impact Report

DFG	California Department of Fish and Game
DTSC	Department of Toxic Substances Control
DWR	Department of Water Resources
Earthquake Fault Zones	corridors along active faults
EPA	U.S. Environmental Protection Agency
ESA	environmental site assessment
ESA	Federal Endangered Species Act
F	Fahrenheit
FEMA	Federal Emergency Management Agency
FINDS	Facility Index System
fps	Feet per second
FR	Federal Register
General Plan	Monterey County General Plan
GHGs	Greenhouse gases
GMPAP	Greater Monterey Peninsula Area Plan
GP 2007	General Plan Update
Gt	metric tons
GWR	Ground Water Recharge
HCM	Highway Capacity Manual
HCP	Habitat Conservation Plan
HIST UST	Hazardous Substance Storage Container Database
HOA	Homeowners Association
HWCA	Hazardous Waste Control Act
Hwy 101	U.S. Highway 101
Hz	Hertz
IPCC	Intergovernmental Panel on Climate Change
ITE	Institute of Transportation Engineers
ITP	Incidental take permit
kHz	kilohertz
LAFCO	Local Agency Formation Commission
Ldn	Day-Night Level

Leq	Equivalent Sound Level
Leq[h]	1-hour A-weighted equivalent sound level
Lmax	Maximum Sound Level
LOS	level of Service
LUST	Leaking Underground Storage Tank Information System
Lx	Percentile-Exceeded Sound Level
Master Plan	Carmel Valley Master Plan
MBTA	Migratory Bird Treaty Act
MBUAPCD	Monterey Bay Unified Air Pollution Control District
MCWRA	Monterey County Water Resources Agency
mg/L	Milligrams per liter
MIGR	Migration of Aquatic Organisms
MMT-CO2 eq	Million Metric tons of carbon dioxide-equivalent
MPWMD	Monterey Peninsula Water Management District
MRWPCA	Monterey Regional Water Pollution Control Agency
MS4s	municipal separate storm sewer systems
MST	Monterey-Salinas Transit
MUN	Municipal and Domestic Supply
MUTCD	Manual on Uniform Traffic Control Devices
Mw	moment magnitude
N₂O	nitrous oxide
NAAQS	national ambient air quality standards
NCCAB	North Central Coast Air Basin
NFIP	National Flood Insurance Program
NO₂	nitrogen dioxide
NOAA	National Oceanic and Atmospheric Administration
NOI	Notice of Intent
NO_x	oxides of nitrogen
NTU	Nephelometric turbidity units
NWP	Nationwide permit
OES	California Office of Emergency Services
PCWQCA	Porter-Cologne Water Quality Control Act of 1969

PM10	particulate matter smaller than 10 microns or less in diameter
PM2.5	particulate matter 2.5 microns or less in diameter
ppm	parts per million
PRC	Public Resources Code
PRG	Preliminary Remedial Goals
Proposed Project	Rancho Cañada Village Specific Plan
RCRA	Resource Conservation and Recovery Act
RCRA Info database	Resource Conservation and Recovery Act
RCSP	Rancho Cañada Specific Plan
RCV	Rancho Cañada Village
RCVSP or Specific Plan	Rancho Cañada Village Specific Plan
REC-1	Water Contact Recreation
REC-2	Non-Contact Water Recreation
ROG	reactive organic gases
RWQCB	Regional Water Quality Control Board
SAA	Streambed Alteration Agreement
SARA	Superfund Amendment and Reauthorization Act
SEIR	Subsequent Environmental Impact Report
SIP	State Implementation Plan
SO ₂	sulfur dioxide
SPL	sound pressure level
SPWN	Spawning, Reproduction, and/or Early Development
SR	State Route
SWMP	Storm water management program
SWPPP	Storm Water Pollution Prevention Plan
SWRCB	State Water Resources Control Board
TAC	Toxic air contaminant
TAMC	Transportation Agency for Monterey County
TCM	traffic control measure
TMDL	Total maximum daily load
UBC	Uniform Building Code

UFC	Uniform Fire Code
USACE	U.S. Army Corps of Engineers
USC	U.S. Government Code
USFWS	U.S. Fish & Wildlife Service
USGS	U.S. Geological Survey
USTs	underground storage tanks
VOC	volatile organic compounds
WARM	Warm Fresh Water Habitat
WILD	Wildlife Habitat
WMZ	Watershed Management Zone
WSEL	Water surface elevation