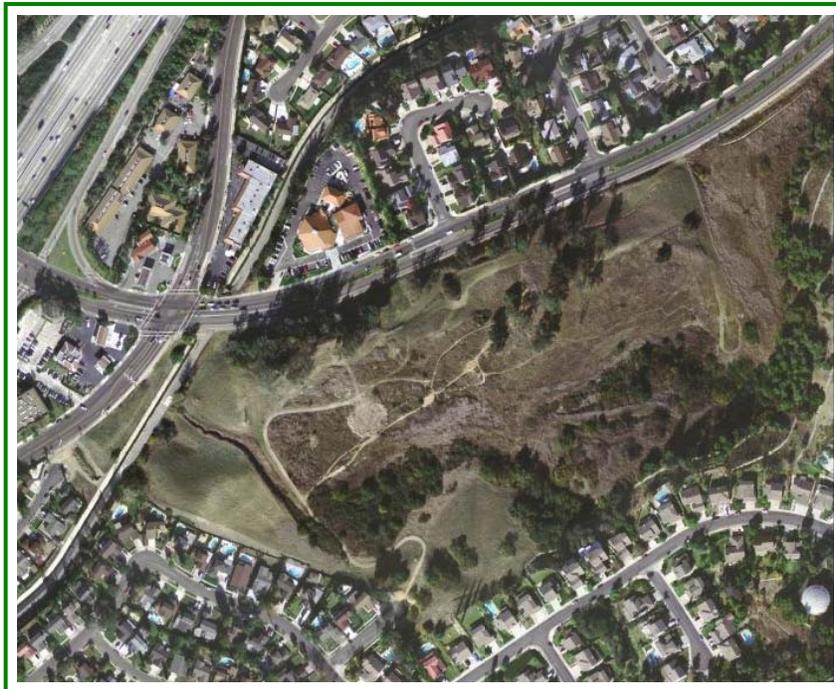


Environmental Impact Report 2007-02
Draft Environmental Impact Report
“Site D” Specific Plan
SCH No. 2008021014

General Plan Amendment No. 2007-03
Specific Plan No. 2007-01
Tentative Map No. 70687



Lead Agency:

City of Diamond Bar
Community Development Department
21825 Copley Drive
Diamond Bar, California 91765-4178

Applicants:

City of Diamond Bar
21825 Copley Drive
Diamond Bar, California 91765-4178

Walnut Valley Unified School District
880 South Lemon Avenue
Walnut, California 91789

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Acronyms and Abbreviations

A

| | |
|-----------|---|
| A | acre |
| AADT | annual average daily trips |
| AAQS | ambient air quality standards |
| AB | Assembly Bill |
| ABS | acrylonitrile butadiene styrene |
| ACOE | United States Army Corps of Engineers |
| ADT | average daily trips |
| AM | ante meridiem |
| AMSL | above mean sea level |
| ANF | Angles National Forest |
| ANSI | American National Standards Institute |
| APN | Assessor’s Parcel number |
| APCD | air pollution control district |
| APEFZA | Alquist-Priolo Earthquake Fault Zoning Act |
| Applicant | City of Diamond Bar and Walnut Valley Unified School District |
| AQMD | air quality management district |
| ARA | American Restroom Association |
| ASTM | American Society for Testing and Materials |
| AQMP | Air Quality Management Plan |

B

| | |
|------------|--|
| BACT | Best Available Control Technology |
| Basin | South Coast Air Basin |
| Basin Plan | Water Quality Control Plan – Los Angeles Region |
| BLM | United States Department of the Interior - Bureau of Land Management |
| BMPs | Best Management Practices |
| BO | biological opinion |

C

| | |
|---------------------|--|
| CAA | Federal Clean Air Act |
| CAAQS | California Ambient Air Quality Standards |
| California Register | California Register of Historical Resources |
| C&D | construction and demolition |
| CAG | California Attorney General |
| CAGN | coastal California gnatcatcher |
| CALFIRE | California Department of Forestry and Fire Protection |
| Cal/OSHA | California Department of Industrial Relations, Division of Industrial Safety |
| Caltrans | California Department of Transportation, District 7 |
| CARB | California Air Resources Board |
| CAT | Climate Action Team |
| CBIA | California Building Industry Association |
| CBSC | California Building Standards Code |
| CCAA | California Clean Air Act |
| CC&Rs | covenants, conditions, and restrictions |
| CCR | California Code of Regulations |
| CDF | California Department of Forestry and Fire Protection |
| CDFG | California Department of Fish and Game |
| CEC | California Education Code or California Energy Commission |
| CESA | California Endangered Species Act |
| CEQA | California Environmental Quality Act |
| CERCLA | Comprehensive Environmental Response Compensation and Liability Act |
| cfs | cubic feet per second |
| CFG | California Fire Code |
| CFGC | California Fish and Game Code |
| CFPD | Consolidated Fire Protection District of Los Angeles County |

“Site D” Specific Plan

City of Diamond Bar, California

| | |
|---------------------|---|
| CFR | Code of Federal Regulations |
| CGC | California Government Code |
| CGS | California Geological Survey |
| CHL | California Historical Landmarks |
| CH ₄ | methane |
| CHP | California Highway Patrol |
| CHRIS-SCCIC | California Historical Resources Information System South Central Coastal Information Center at the California State University, Fullerton |
| CIP | cast iron pipe |
| City | City of Diamond Bar |
| CIWMB | California Integrated Waste Management Board |
| Cm | centimeter |
| CMP | Congestion Management Program |
| CMU | concrete masonry unit |
| CNDDDB | California Natural Diversity Data Base |
| CNEL | community noise equivalent level |
| CNPS | California Native Plant Society |
| CO | carbon monoxide |
| CO ₂ | carbon dioxide |
| COG | council of governments |
| Commission | Planning Commission |
| Compound | Diamond Bar Ranch Headquarters Compound |
| Council | City Council |
| County | County of Los Angeles |
| County Code | Los Angeles County Code |
| County General Plan | Los Angeles County General Plan |
| CPC | California Penal Code |
| CPHI | California Points of Historical Interest |
| CRHR | California Registry of Historic Resources |
| CSA | County Service Area |
| CSC | California Building Standards Commission |
| CSDLAC | County Sanitation Districts of Los Angeles County |
| CSHP | California State Housing Plan |
| CSI | Conservation Biology Institute |
| CSMD | Consolidated Sewer Maintenance District |
| CTMP | construction traffic mitigation plan |
| CTR | California Toxic Rule |
| CUP | conditional use permit |
| CVC | California Vehicle Code |
| CWA | Federal Clean Water Act |
| D | |
| db | decibels |
| DBA | A-weighted decibel scale |
| DBE | Design Basis Earthquake |
| DBH | diameter at breast height |
| DDT | dichlorodiphenyltrichloroethane |
| DEIR | Draft Environmental Impact Report |
| Department | City of Diamond Bar Community Development Department |
| Development Code | City of Diamond Bar Municipal Code – Title 22 (Development Code) |
| DHS | California Department of Health Services |
| Director | Community Development Director |
| District | Consolidated Fire Protection District of Los Angeles County <u>or</u> South Coast Air Quality Management District <u>or</u> Walnut Valley Unified School District |
| Districts | County Sanitation Districts of Los Angeles County |
| DMA | Disaster Mitigation Act of 2000 <u>or</u> Los Angeles County Flood Control District |
| DMG | California Department of Conservation, Division of Mines and Geology |

| | |
|---------------------|---|
| DNL | day/night noise level |
| DOE | United States Department of Energy |
| DOF | California Department of Finance |
| DPA | debris (sediment) production area |
| Draft 2008 RCP | Draft 2008 Regional Comprehensive Plan: Helping Communities Achieve a Sustainable Future |
| Draft 2008 RTP | Draft 2008 Regional Transportation Plan: Making the Connection |
| Draft 2008 RTP PEIR | Draft 2008 Regional Transportation Plan Program Environmental Impact Report, SCH No. 2007061126 |
| DTSC | California Department of Toxic Substances Control |
| DU | dwelling unit |

E

| | |
|------|---|
| EDD | California Employment Development Department |
| EIR | environmental impact report |
| EMS | emergency medical service |
| EMSA | California Emergency Medical Services Authority |
| ESA | environmental site assessment |

F

| | |
|-----------------|--|
| F | Fahrenheit |
| FAR | floor area ratio |
| FEIR | Final Environmental Impact Report |
| FEMA | Federal Emergency Management Agency |
| FESA | Federal Endangered Species Act of 1973 |
| FHWA | Federal Highway Administration |
| Fire Code | Los Angeles County Fire Code |
| FIRM | flood insurance rate maps |
| FR | Federal Register |
| ft ² | square feet |
| FTA | Federal Transit Administration |
| FY | fiscal year |

G

| | |
|-------------------|--|
| General Plan | City of Diamond Bar General Plan |
| General Plan FEIR | Final Environmental Impact Report for the City of Diamond Bar General Plan |
| GHG | greenhouse gas |
| GLACVCD | Greater Los Angeles County Vector Control District |
| GPA | General Plan amendment |
| gpm | gallons per minute |
| Greenbook | Standard Specifications for Public Works Construction |

H

| | |
|----------|--|
| Handbook | CEQA Air Quality Handbook |
| HAPs | hazardous air pollutants |
| HAS | hydrologic subarea |
| H&SC | California Health and Safety Code |
| HC | hydrocarbons |
| HCD | California Department of Housing and Community Development |
| HCM | Highway Capacity Model |
| HCP | habitat conservation plan |
| HEC-HMS | United States Army Corps of Engineers hydrologic modeling system |
| HFC | horizontal foot candles |
| HFCs | hydrofluorocarbons |
| HOA | homeowners' association |
| HRI | California State Historic Resources Inventory |
| HU | hydrological unit |

“Site D” Specific Plan

City of Diamond Bar, California

HUD United States Department of Housing and Urban Development
H:V horizontal:vertical
HWCL California Hazardous Waste Control Law
Hz Hertz
H₂S hydrogen sulfide

I

I Interstate Highway
ICBO International Conference of Building Officials
ICC International Code Council
ICU intersection capacity utilization
IDA International Darksky Association
IEC International Electrotechnical Commission
IESNA Illuminating Engineering Society of North America
IFPO International Foundation for Protection Officers
ISO Insurance Service Office, Inc. or Insurance Service Organization
ISTEA Intermodal Surface Transportation Efficiency Act
ITE Institute of Transportation Engineers
ITS Intelligent transportation systems
I-10 San Bernardino Freeway
I-210 Foothill Freeway
I-605 San Gabriel River Freeway
I-710 Long Beach Freeway

J

JWPCP Joint Water Pollution Control Plant
JOD Joint Outfall Districts
JOS Joint Outfall System

K

KFM KFM GeoScience
Km kilometer

L

LACDPW Los Angeles County Department of Public Works
LACFCD Los Angeles County Flood Control District
LACFD Los Angeles County Fire Department
LACM Natural History Museum of Los Angeles County
LACMTA Los Angeles County Metropolitan Transportation Authority
LACSD Los Angeles County Sheriff's Department
LAFCO Local Agency Formation Commission of Los Angeles County
LARWQCB Regional Water Quality Control Board, Los Angeles Region
LCWRP Los Coyote Water Reclamation Plant
Lead Agency City of Diamond Bar
Ldn day/night noise level
Library County of Los Angeles Public Library
LLG Linscott, Law & Greenspan
LOS level of service
LOR LOR Geotechnical Group
LST local significance thresholds

M

m meter
MBTA Federal Migratory Bird Treaty Act of 1918
MCH mixed chaparral
MEA Master Environmental Assessment
MEP maximum extent practicable

| | |
|-------------------|--|
| Methodology | Final Localized Significance Threshold Methodology |
| Metrolink | Southern California Regional Rail Authority |
| mgd | million gallons per day |
| MHA | Maximum Horizontal Acceleration |
| MOU | Memorandum of Understanding |
| mph | miles per hour |
| MPO | metropolitan planning organization |
| MSE | mechanically supported earth |
| MSR | Municipal Service Region |
| MS4 | municipal separate storm sewer system |
| MtBE | methyl tert-butyl ether |
| Municipal Code | City of Diamond Bar Municipal Code |
| MUTCD | Manual on Uniform Traffic Control Devices |
| MWD | Metropolitan Water District of Southern California |
| <u>N</u> | |
| NAAQS | National Ambient Air Quality Standards |
| NAHB | National Association of Homebuilders |
| NAHC | California Native American Heritage Commission |
| National Forest | Angeles National Forest |
| National Register | International Electrotechnical Commission |
| NCCP | natural community conservation plan |
| NFPA | National Fire Protection Association |
| NHPA | City of Diamond Bar Natural Hazards Mitigation Plan <u>or</u> National Historic Preservation Act of 1966 |
| NMFS | National Marine Fisheries Service |
| N ₂ O | nitrous oxide |
| NO | nitric oxide |
| NOI | Notice of Intent |
| NOP | Notice of Preparation |
| NO _x | nitrogen oxides |
| NO ₂ | nitrogen dioxide |
| NPDES | National Pollutant Discharge Elimination System |
| NPL | National Priorities List |
| NPS | United States National Park Service |
| NR | noise readings |
| NRHP | National Register of Historic Places |
| NRPA | National Recreation and Park Association |
| NWP | nationwide permit |
| <u>O</u> | |
| <u>O</u> | oxygen |
| OES | Governor’s Office of Emergency Services |
| OHP | California Department of Parks and Recreation - Office of Historic Preservation |
| OHV | off-highway vehicle |
| OHWM | ordinary high water mark |
| OPR | Governor’s Office of Planning and Research |
| OSHA | U.S. Department of Labor Occupational Safety and Health Administration |
| O ₃ | ozone |
| <u>P</u> | |
| P&ESP | parking and equipment staging plan |
| Pb | lead |
| PCEs | passenger car equivalents |
| PCR | PCR Services Corporation |
| PECs | passenger car equivalents |
| PFCs | perfluorocarbons |

“Site D” Specific Plan

City of Diamond Bar, California

| | |
|---------------------|--|
| PGA | peak ground acceleration |
| PHT | Puente Hills blind-thrust system |
| PL | Public Law |
| PM | post meridiem <u>or</u> particulate matter |
| PM _{2.5} | fine particulate matter less than 2.5 microns in diameter |
| PM ₁₀ | fine particulate matter less than 10 microns in diameter |
| Porter-Cologne | Porter-Cologne Water Quality Act |
| ppm | parts per million |
| PRC | Public Resources Code |
| Principal Permittee | Los Angeles County Flood Control Division |
| PSD | Prevention of Significant Deterioration |
| psi | pounds per square inch |
| psig | pounds per square in gauge |
| psf | pounds per square foot |
| PUP | Property Use Plan |
| PVC | polyvinyl chloride |
| | |
| R | |
| Ranch | Diamond Bar Ranch |
| RCB | reinforced concrete box |
| RCP | reinforced concrete pipe |
| RCRA | Resource Conservation and Recovery Act |
| REC | recognized environmental conditions |
| Revitalization FEIR | Final Environmental Impact Report for the City of Diamond Bar Economic Revitalization Effort |
| | |
| RHNA | regional housing needs assessment |
| ROC | reactive organic compounds |
| ROG | reactive organic gases |
| RSA | regional statistical areas |
| RTIP | regional transportation improvement program |
| RTP | Regional Transportation Plan |
| RTPA | regional transportation planning agencies |
| RWQCBs | regional water quality control boards |
| | |
| S | |
| SAB | State Allocation Board |
| SAFETEA-LU | Safe, Accountable, Flexible, and Efficient Transportation Equity Act: A Legacy for Users |
| S&HC | California Street and Highway Code |
| SANDAG | San Diego Association of Governments |
| SARA | Superfund Amendment Reauthorization Act of 1986 |
| SB | Senate Bill |
| SBBM | San Bernardino Base and Meridian |
| SCAB | South Coast Air Basin |
| SCAG | Southern California Association of Governments |
| SCAQMD | South Coast Air Quality Management District |
| SCE | Southern California Edison |
| SCEC | Southern California Earthquake Center |
| SCH | State Clearinghouse |
| SDSP | “Site D” Specific Plan |
| SEA | Significant Ecological Area |
| SFHAs | Special Flood Hazard Areas |
| SFIP | Standard Flood Insurance Policy |
| SF ₆ | sulfur hexafluoride |
| SGVCOG | San Gabriel Valley Council of Governments |
| SHMA | Seismic Hazards Mapping Act |
| SHPO | State Historic Preservation Officer |

| | |
|-----------------------|---|
| SIP | sphere of influence |
| SJCWRP | San Jose Creek Water Reclamation Plant |
| SLF | Sacred Lands File |
| SMA | Subdivision Map Act |
| SMGB | State Mining and Geology Board |
| SO ₂ | sulfur dioxide |
| SO ₄ | sulfates |
| SOI | sphere of influence |
| SO _x | sulfur oxides |
| SP | Specific Plan |
| SR | State Route |
| SRA | State Responsibility Areas |
| SRW | segmental retaining wall |
| SR-57 | Orange Freeway |
| SR-60 | Pomona Freeway |
| SR-71 | Chino Valley Freeway |
| SR-91 | Corona Freeway |
| SR-110 | Pasadena Freeway |
| SRA | State Responsibility Area <u>or</u> Source Receptor Area |
| SRRE | source reduction and recycling element |
| State | State of California |
| State CEQA Guidelines | Guidelines for the Implementation of the California Environmental Quality Act |
| SUSMP Manual | Manual for the Standard Urban Storm Water Mitigation Plan |
| SUSMP | standard urban storm water mitigation plan |
| SVP | Society of Vertebrate Paleontology |
| SWMP | storm water management plan |
| SWPPP | storm water pollution prevention plan |
| SWRCB | State Water Resources Control Board |
| | |
| <u>T</u> | |
| TACs | toxic air contaminants |
| T-BACT | Best Available Control Technology – Toxic Air Contaminants |
| tBE | tert-butyl alcohol |
| TCP | traffic control plan |
| TDM | transportation demand management |
| TIA | traffic impact analysis |
| TMDL | total maximum daily load |
| TSM | transportation system management |
| | |
| <u>U</u> | |
| UBC | Uniform Building Code |
| U.S. | United States |
| USC | United States Code <u>or</u> University of Southern California |
| USDOT | United States Department of Transportation |
| USEPA | United States Environmental Protection Agency |
| USFWS | United States Fish and Wildlife Service |
| USGS | United States Geological Survey |
| | |
| <u>V</u> | |
| VBDS | Vector-Borne Disease Section |
| V/C | volume-to-capacity |
| VCP | vitrified clay pipe |
| VHFHSZ | Very High Fire Hazard Severity Zones |
| VMS | visual management system |
| VMT | vehicle miles traveled |
| VOC | volatile organic compounds |
| vph | vehicles per hour |

“Site D” Specific Plan

City of Diamond Bar, California

VRM visual resource management

W

WATCH Work Area Traffic Control Handbook
WDR waste discharge requirements
WRPs water reclamation plants
WoS waters of the State
WoUS waters of the United States
WQOs water quality objectives
WVUSD Walnut Valley Unified School District

Y

YBP years before present

Z

ZC zone change

Other

1995 Addendum Addendum to the Final Environmental Impact Report for the City of Diamond Bar General Plan
1996 RCPG Regional Comprehensive Plan and Guide
2001 RTP 2001 Regional Transportation Plan – Destination 2030
2003 EGPR Governor’s Environmental Goals and Policy Report
2004 Compass 2004 Southern California Compass – Growth Vision Report
2004 RTP 2004 Regional Transportation Plan – Destination 2030
2007 AQMP 2007 Air Quality Management Plan
2010 JOS Plan Final Joint Outfall System 2010 Master Facilities Plan

$\mu\text{g}/\text{m}^3$ micrograms per cubic meter

Beneficial Uses

GWR Groundwater Recharge
MUN Municipal and Domestic Supply
REC-1 Water Contact Recreation
REC-2 Non-Contact Water Recreation
WARM Warm Freshwater Habitat
WILD Wildlife Habitat

If not otherwise cited, all acronyms and abbreviations used throughout this document should be assumed to have their standard definition and meaning, as common in the discipline(s) in which those acronyms and abbreviations are used herein.