

MELROSE DRIVE EXTENSION

FINAL ENVIRONMENTAL IMPACT REPORT

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Prepared for:

CITY OF OCEANSIDE
300 NORTH COAST HIGHWAY
OCEANSIDE, CA 92054

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ACRONYMS AND ABBREVIATIONS

µg/kg	micrograms per kilogram
µg/m ³	micrograms per cubic meter
A-70	limited agriculture zone
AB	Assembly Bill
ACMs	asbestos-containing materials
ADA	Americans with Disabilities Act
ADT	average daily traffic
AGR	agricultural supply
AMSL	above mean sea level
ANSI	American National Standards Institute
APE	area of potential effect
APWA	American Public Works Association
AQIA	Air Quality Impact Assessment
ASM	ASM Affiliates
ASTs	above-ground storage tanks
ASTM	American Society for Testing and Materials
AWSC	all-way stop controlled
B	Boron
BAPE	Biological Area of Potential Effect
BAT	best available technology
BCT	best conventional pollutant control technology
BMI	benthic macroinvertebrate
BMPs	Best Management Practices
BOD	Biochemical Oxygen Demand
BP	before present
BSA	Biological Study Area
BTR	Biological Technical Report
BTU	British Thermal Units
C-1(Q)	Commercial-1 (Qualified Development Overlay)
CAA	Clean Air Act
CAAQS	California Air Quality Standards
Cal/OSHA	California Division of Occupational Safety and Health
CARB	California Air Resources Board
CBC	California Building Code
CCR	California Code of Regulations
CDC	California Department of Conservation
CDFG	California Department of Fish and Game
CDMG	California Division of Mines and Geology
CDPR	California Department of Parks and Recreation
CEQA	California Environmental Quality Act
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act

ACRONYMS AND ABBREVIATIONS (cont.)

CFR	Code of Federal Regulations
Cfs	cubic feet per second
CGS	California Geological Survey
CH ₄	methane
CHHSLs	California Human Health Screening Levels
CHRH	California Register of Historical Resources
City	City of Oceanside
Cl	Chlorides
CMP	Congestion Management Program
CNEL	Community Noise Equivalent Level
CO	Carbon monoxide
CO ₂	Carbon dioxide
COCs	constituents of concern
COD	Chemical Oxygen Demand
Contract	Williamson Act Contract
Corps	U.S. Army Corps of Engineers
County	County of San Diego
Cu	Copper
CWA	Clean Water Act
cy	cubic yards
dB	decibel
dB(A)	A-weighted decibels
DDE	dichlorodiphenyldichloroethylene
DDT	dichlorodiphenyltrichloroethane
DEH	Department of Environmental Health
dg	decomposed granite
DHS	Department of Health Services
DOG	Division of Oil and Gas
DTSC	Department of Toxic Substances Control
DU	dwelling unit(s)
DWR	Department of Water Resources
EB-R	Estate B Residential
EIR	Environmental Impact Report
EPA	Environmental Protection Agency
ESA	Environmental Site Assessment
F	Flouride
Fe	Iron
FEMA	Federal Emergency Management Agency
FHWA	Federal Highway Administration
FMMP	Farmland Mapping and Monitoring Program
g	acceleration due to gravity
GEOCON	GEOCON, Incorporated

ACRONYMS AND ABBREVIATIONS

(cont.)

GHG	greenhouse gas
HA	Hydrologic Area
HCP	Habitat Conservation Plan
HEC-RAS	hydraulic engineering center-river analysis system
HELIX	HELIX Environmental Planning, Inc.
HDR	High Density Residential
HLP	Habitat Loss Permit
HNL	Hourly Noise Level
HSA	Hydrologic Subarea
HU	Hydrologic Unit
IBC	International Building Code
ICC	International Code Council
IND	industrial service supply
IRIS	Integrated Risk Information System
ITE	Institute of Transportation Engineers
LARA	Local Agricultural Resource Assessment
lbs	pounds
LBZ	limited building zone
LCPs	lead-containing paints
LDR	Low Density Residential
L_{dn}	Day-Night Sound Level
L_{eq}	hourly average sound level
LID	Low Impact Development
LLG	Linscott, Law & Greenspan
LOS	level of service
LUST	leaking underground storage tank
MAR	marine habitat
MBAS	Methylene Blue Activated Substances
MBTA	Migratory Bird Treaty Act
MCB	Marine Corps Base
MCLs	Maximum Contaminant Levels
MDA-R	Medium Density A Residential
MDR	Medium Density Residential
MEC	MEC Analytical Systems
MEP	Maximum Extent Practicable
mg/l	milligrams per liter
mg/m^3	milligrams per cubic meter
MHCP	Multiple Habitat Conservation Program
MIGR	migration of aquatic organisms
MLS	mass loading station
Mn	Manganese

ACRONYMS AND ABBREVIATIONS (cont.)

Mph	Miles per hour
MS4	Municipal Separate Storm Sewer System
MSATs	Mobile Source Air Toxics
MSCP	Multiple Species Conservation Program
MSE	mechanically stabilized embankment
MUN	municipal and domestic supply
n.d.	no date
N ₂	nitrogen
N ₂ O	nitrous oxide
N&P	Nitrogen and Phosphorous
N/A	Not Available
Na	Sodium
NAAQS	National Ambient Air Quality Standards
NAHC	Native American Heritage Commission
NC	Neighborhood Commercial
NCCP	Natural Communities Conservation Plan
NH ₃ – N	Ammonia – Nitrogen
NO ₂ + NO ₃ – N	Nitrite + Nitrate Nitrogen
NO ₃	Nitrate
NOP	Notice of Preparation
NO _x	nitrogen oxides
NPDES	National Pollutant Discharge Elimination System
NPPA	Native Plant Protection Act
NRCS	Natural Resources Conservation Service
NRHP	National Register of Historic Places
NSLU	noise-sensitive land use
NTU	Nephelometric Turbidity Units
O ₂	oxygen
O ₃	ozone
OS	Open Space
PAMA	Pre-approved Mitigation Area
Pb	Lead
PCB	polychlorinated biphenyl
PDC	Project Design Consultants
PM _{2.5}	Particulate matter less than 2.5 microns
PM ₁₀	Particulate matter less than 10 microns
POW	hydropower generation
ppm	parts per million
PRGs	Preliminary Remediation Goals
Project	Melrose Drive Extension Project
PVC	polyvinyl chloride
RAQS	Regional Air Quality Strategy

ACRONYMS AND ABBREVIATIONS

(cont.)

RARE	rare, threatened, or endangered species
RCP	Regional Comprehensive Plan
RCRA	Resource Conservation and Recovery Act
RE-B	Residential Estate B
RECs	recognized environmental conditions
REC-1	contact water recreation
REC-2	non-contact water recreation
RM-A	Residential Multi-Family A
ROGs	reactive organic gases
ROW	right-of-way
ROWD	Report of Waste Discharge
RS	Residential Single Family
RTIP	Regional Transportation Improvement Plan
RTP	Regional Transportation Plan
RWQCB	Regional Water Quality Control Board
SAM	Site Assessment and Mitigation
SANDAG	San Diego Association of Governments
SANTEC	San Diego Traffic Engineers' Council
SARA	Superfund Amendments and Reauthorization Act
SCAQMD	South Coast Air Quality Management District
SCIC	South Coastal Information Center
SCS	Soil Conservation Service
SDAB	San Diego Air Basin
SDAPCD	San Diego Air Pollution Control District
SDCWA	San Diego County Water Authority
SDF-R	Single Family Detached Residential
SDG&E	San Diego Gas and Electric
SFR	Single Family Residence
SIP	State Implementation Plan
SLIC	Spills, Leaks, Investigation, and Cleanup
SMAQMD	Sacramento Metropolitan Air Quality Management District
SMBRP	Site Mitigation and Brownfields Reuse Program
SO ₂	Sulfur dioxide
SO ₄	Sulfate
SO _x	sulfur oxides
SP	Scenic Park Overlay
SR-	State Route
SUSMP	Standard Urban Storm Water Mitigation Plan
SWMP	Storm Water Management Plan
SWPPP	Storm Water Pollution Prevention Plan
SWRCB	State Water Resources Control Board
SWSAS	Storm Water Sampling and Analysis Strategy

ACRONYMS AND ABBREVIATIONS (cont.)

TAC	toxic air contaminants
T-BACT	toxics best available control technology
TDS	total dissolved solids
TIA	Traffic Impact Analysis
TKN	Total Kjeldahl Nitrogen
TNM	Traffic Noise Model
TP	Total Phosphorous
TSS	Total Suspended Solids
Turb	Turbidity
TWSC	two-way stop controlled
URMP	Urban Runoff Management Plans
U.S.	United States
USDA	U.S. Department of Agriculture
USFWS	U.S. Fish and Wildlife Service
USGS	U.S. Geological Survey
USTs	underground storage tanks
VAP	Voluntary Assistance Program
V/C	Volume/Capacity
VIA	Visual Impact Analysis
VID	Vista Irrigation District
VMT	vehicle miles traveled
VOCs	volatile organic compounds
WARM	warm freshwater habitat
WDR	Water Discharge Requirements
Weston	Weston Solutions, Inc.
WILD	wildlife habitat
WURMP	Watershed Urban Runoff Management Program
yd ³	cubic yards
Zn	Zinc
ZOI	Zone of Influence

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