ACRONYMS AND ABBREVIATIONS

SUMMARY		
S.1	Project Synopsis	S-1
•	S.1.1 Project Location	S-1
	S.1.2 Project Description	S-1
	S.1.3 Environmental Setting	S-4
S.2	Summary of Significant Effects and Mitigation Measures that	
	Reduce or Avoid the Significant Effects	S-5
S.3	Areas of Controversy	S-5
S.4	Issues to be Resolved by the Decision-Making Body	o-c
S.5	Project Alternatives	S-0
CHAPTER	1.0 PROJECT DESCRIPTION, LOCATION, AND ENVIRONMENTA	٦L
	SETTING	4 4
1.1	Project Objectives	1-1
1.2	Project Description	1-2
	1.2.1 Project Background	1-3
	1.2.2 Proposed Project	1-4
	1.2.3 Project's Component Parts	1-15
4.0	1.2.4 Technical, Economic, and Environmental Characteristics	1-16
1.3	Project Location	1-18
1.4	Environmental Setting	1-18
1.5	Intended Uses of the EIR	1-20
	1.5.1 Matrix of Project Approvals/Permits	1-26
	1.5.2 Related Environmental Review and Consultation Requirements	1-26
1.6	Project Inconsistencies with Applicable Regional and General Plan.	1-26
1.7	List of Past, Present, and Reasonably Anticipated Future Projects	
	in the Project Area	1-27
1.8	Growth Inducing Impacts	1-28
CHARTER	O O CLONIFICANT ENVIRONMENTAL EFFECTS OF THE PROPOS	.
CHAPTER	2.0 SIGNIFICANT ENVIRONMENTAL EFFECTS OF THE PROPOSE PROJECT	SED
2.1		2 1_1
2.1	Air Quality 2.1.1 Existing Conditions	2 1-1
	2.1.2 Analysis of Project Effects and Determination as to Significance	2.1-11
	2.1.3 Cumulative Impact Analysis	
	2.1.4 Significance of Impacts Prior to Mitigation	2.1-24
	2.1.5 Mitigation	2.1-25
	2.1.6 Conclusion	2.1-26
2.2	Biological Resources	2.2-1
	2.2.1 Existing Conditions	2.2-2
	2.2.1 Existing Conditions 2.2.2 Analysis of Project Effects and Determination as to Significance	2.2-30
	2.2.3 Cumulative Impact Analysis	2.2-53
	2.2.3 Cumulative Impact Analysis 2.2.4 Significance of Impacts Prior to Mitigation	2.2-54
	2.2.5 Mitigation	2.2-55
	2.2.6 Conclusion	
2.3	Cultural Resources	2.3-1
	2.3.1 Existing Conditions	2.3-1

	2.3.2 Analysis of Project Effects and Determination as to Significance	
	2.3.3 Cumulative Impact Analysis	2.3-17
	2.3.4 Significance of Impacts Prior to Mitigation	2.3-19
	2.3.5 Mitigation	2.3-19
	2.3.6 Conclusion	2.3-22
2.4	Greenhouse Gas Emissions	
۷.٦	2.4.1 Existing Conditions	۱ - ۲۰ کـــــــــــــــــــــــــــــــــــ
		2.4-1
		2.4-10
	2.4.3 Cumulative Impact Analysis	2.4-25
	2.4.4 Significance of Impacts Prior to Mitigation	
	2.4.5 Mitigation	2.4-25
	2.4.6 Conclusion	2.4-28
2.5	Hazards and Hazardous Materials	2.5-1
	2.5.1 Existing Conditions	2.5-1
	2.5.2 Analysis of Project Effects and Determination as to Significance	2.5-12
	2.5.3 Cumulative Impact Analysis	2.5-22
	2.5.4 Significance of Impacts Prior to Mitigation	2 5-23
	2.5.5 Mitigation	
	2.5.6 Conclusion	2 5-24
2.6	Noise	2.0 2-1
2.0		Z.O-1
	2.0.1 Existing Conditions	∠.∪- ۱
	2.6.2 Analysis of Project Effects and Determination as to Significance	
	2.6.3 Cumulative Impact Analysis	2.6-15
	2.6.4 Significance of Impacts Prior to Mitigation	2.6-16
	2.6.5 Mitigation	2.6-16
	2.6.6 Conclusion	2.6-18
2.7	Paleontological Resources	
	2.7.1 Existing Conditions	2.7-1
	2.7.2 Analysis of Project Effects and Determination as to Significance	2 7-5
	2.7.3 Cumulative Impact Analysis	
	2.7.4 Significance of Impacts Prior to Mitigation	2.7-0
	2.7.5 Mitigation	2.1-1
	2.7.6 Conclusion	2.1-1 2.7-C
2.0		2.7-3
2.8	Transportation and Traffic	2.8-1
	2.8.1 Existing Conditions	2.8-1
	2.8.2 Analysis of Project Effects and Determination as to Significance	
	2.8.3 Cumulative Impact Analysis	2.8-18
	2.8.4 Significance of Impacts Prior to Mitigation	2.8-20
	2.8.5 Mitigation	2.8-21
	2.8.6 Conclusion	2.8-21
2.9	Significant Irreversible Environmental Changes Resultant from	
2.0		
	Project Implementation	Z.9- I
CHAPTER	3.0 ENVIRONMENTAL EFFECTS FOUND NOT TO BE SIGN	IFICANT
3.1	Effects Found Not Significant as Part of the EIR Process	3_1_1
0.1	3.1.1 Aesthetics	2 1 1
	~	J. 1-1
	3.1.2 Land Use	3.1-10
	3.1.3 Population and Housing	3.1-21
3.2	Effects Found Not Significant During Initial Study	3.2-1
	3.2.1 Agricultural and Forestry Resources	3.2-1
	3.2.2 Hydrology and Water Quality	3.2-2
	3.2.3 Geology and Soils	3.2-4
	3.2.4 Mineral Resources	3.2-5
	3.2.5 Public Utilities and Services	3 2-7

CHAPTE	R 4.0	PROJECT ALTERNATIVES	
4.		tionale for Alternative Selection	4-1
4.:	2 Pr	evious Analysis of Alternatives	4-3
4.3	3 Alt	ernatives Considered but Rejected	4-4
4.4	4 Alt	ernatives to the Proposed Project	4-7
	4.4	.1 No Project/No Development Alternative	4-7
	4.4	.2 No Project/Development Under Existing Specific Plan Designation	
		Alternative	4-12
4	4 .4	.3 Reduced Development Intensity Alternative	4-18
4.	5 Er	vironmentally Superior Alternative	4-37
CHAPTE	R 5.0	LIST OF REFERENCES	
CHAPTE	R 6.0	PREPARERS AND PERSONS CONTACTED	
CHAPTE	R 7.0	MITIGATION MEASURES	
7.		· Quality	7-1
7.	2 Bio	ological Resources	7-1
7.	3 Cı	ıltural Resources	7-9
7.	4 Gr	eenhouse Gas Emissions	7-12
7.	5 Ha	zards and Hazardous Materials	7-14
7.	6 No	pise	7-14
7.	7 Pa	ıleontological Resources	7-16
7.	8 Tr	affic/Transportation	7-18
CHAPTE	R 8.0	LETTERS OF COMMENT AND RESPONSES	
8.	1 Lis	st of Agencies and Individuals that Commented on the Draft SEIR.	8-2
8		omment Letters Received and Responses to Comments	
APPEND	DICES		
		Notice of Preparation / Public Comments Received on the NOP a	ind
		Initial Study	
Appe	ndix B	Air Quality Technical Report	
		Biological Technical Report	
		Cultural Resources Report	
		Greenhouse Gas Evaluation	
		Noise Analysis Report	
		Preliminary Drainage Study	
		Fire Protection Plan	
		Updated Geotechnical Investigation	
		Major Storm Water Management Plan	
		Traffic Impact Analysis	
		Sewer System Analysis	
		Phase I Site Assessment	
		Phase II Soil Sampling	
		Public Service Availability Forms	
		Water System Analysis	

Appendix Q. Mineral Resources Report

Appendix R. Water Supply Assessment and Verification Report

LIST OF FIGURES

Figure 1-1.	East Otay Mesa Specific Plan – Approved Land Use Plan	1-45
Figure 1-2.	Otay 250 Sunroad – East Otay Mesa Business Park Specific Plan	
Ü	Amendment Tentative Map	1-46
Figure 1-3.	Specific Plan Amendment Proposed Conceptual Land Use and C	irculation
Ü	Plan	4 47
Figure 1-4.	Regional Vicinity Map	1-48
Figure 1-5.	Regional Category Map	1-49
Figure 1-6.	General Plan Land Use Designation	1-50
Figure 1-7.	Preliminary Grading Plan	1-51
Figure 1-8.	On-site Street Improvements	1-52
Figure 1-9.	Off-site Street Improvements	1-53
Figure 1-10.	Service Improvements – Existing and Proposed Sewer	1-54
Figure 1-11.	Service Improvements – Existing and Proposed Water	
Figure 1-12.	Transit Improvements	1-56
Figure 1-13.	Trails and Pathways	1-57
Figure 1-14.	Aerial Photograph	1 50
Figure 1-15.	Location of Projects Considered in Cumulative Impact Analysis	1-59
Figure 2.2-1	On-site and Adjacent Soil Classifications	2.2-81
	Project Boundary and Surrounding MSCP Amendment Areas	
	Biological Resources	
Figure 2.2-4.	Project Impacts	2.2-84
Figure 2.2-5.	Cumulative Projects	2.2-85
Figure 2.3-1.	Vernal Pool/Wetland Creation Area	2.3-23
Figure 2.5-1.	City of San Diego Very High Fire Hazard Severity Zone Map	2.5-24
	Fire Hazard Severity Zones	
Figure 2.5-3.	Brown Field Airport Influence Area	2.5-26
Figure 2.5-4.	Brown Field Airport Safety Zone	2.5-27
Figure 2.6-1.	Brown Field Municipal Airport Noise Compatibility Map	2.6-25
	60 to 65 dBA CNEL Noise Contour from Brown Field	
J	Municipal Airport	2.6-26
Figure 2 8-1	Existing Conditions Diagram	2.8-49
Figure 2.8-2	Existing Traffic Volumes	2.8-50
	Existing Year + Project Traffic Volumes	2.8-51
	Ultimate Project Access Improvements	
Figure 2.8-5	Cumulative (Year 2020) with Project Traffic Volumes	2.8-53
_	1 /	

Figure 3.1-1.	Typical Mixed-Use Façade Articulation	3.1-51
Figure 3.1-2.	Mixed-Use Preferred Character	3.1-52
Figure 3.1-3.	Existing Land Uses	3.1-53
Figure 3.1-4.	Planned Land Uses	3.1-54
Figure 3.1-5.	MSCP Amendment Areas	3.1-55
-	LIST OF TABLES	
Table S-1.	Summary of Significant Impacts and Mitigation Measures	S-14
Table 1-1.	Land Use Summary	1-33
Table 1-2.	Lot Areas	
Table 1-3.	Project Design Considerations	1-35
Table 1-4.	Typical Development Scenario	1-39
Table 1-5.	Matrix of project Approvals/Permits	1-40
Table 1-6.	Cumulative Projects List	1-41
Table 2.1-1.	Ambient Background Concentrations	2.1-28
Table 2.1-2.	Screening-Level Thresholds for Air Quality Impact Analysis	2.1-29
	Ambient Air Quality Standards	
Table 2.1-4.	Assumed Construction Schedule	2.1-31
Table 2.1-5.	Maximum Daily Construction Emissions by Construction Year	2.1-32
	Total Operational Emissions	
Table 2.1-7.	CO "Hot Spots" Evaluation	 2.1-34
Table 2.1-8.	Diesel Particulate Emissions – Construction phase	2.1-35
	Risk Assessment Exposure Factors	
Table 2.2-1.	Vegetation/Land Cover Categories and Acreages	2.2-65
Table 2.2-2.	Surveys Conducted on the Otay 250 Project Site	2.2-66
	Comparison of 2017 BTR and 2000 FSEIR Vegetation	
	Habitat Impacts	2.2-70
Table 2.2-4.	Direct Vegetation/Habitat Impacts	2.2-71
Table 2.2-5.	Conditions Associated with the Wildlife Agencies' Concurrence for Sunroad Centrum Minor Amendment to the MSCO County	
	Subarea Plan	2.2-72
Table 2.2-6.	Status of Fulfilling Conservation Measures for the Biological Opinion	
	the Sunroad Centrum Project	
Table 2.2-7.	Projects included in Cumulative Impact Analysis	2.2-78
Table 2.4-1.	State of California GHG Emissions by Sector	2.4-30
Table 2.4-2.	Global Warming Potentials and Atmospheric Lifetimes of GHGs	2.4-31
	San Diego County 2006 GHG Emissions by Category	
	Derivation of Efficiency Metric, 2028 Buildout	
Table 2.4-5.	East Otay Mesa Specific Plan Amendment On-Site Vegetation	2.4-34
Table 2.4-6.	Assumed Construction Schedule	2.4-35
Table 2.4-7.	Proposed Project Design Features to Reduce GHG Emissions	2.4-36

Table 2.4-8.	Summary of Proposed Project's Estimated Greenhouse Gas	
	Emissions with GHG Reduction Measures- Buildout 2028	2.4-39
Table 2.4-9.	Summary of Existing Entitlement's Estimated Greenhouse Gas	
	Emissions with GHG Reduction Measures- Buildout 2028	2.4-40
Table 2.4-10.	Summary of Proposed Project's Estimated Greenhouse Gas	
	Emissions with Project Design Features and Mitigation Measures-	
	Buildout 2028	2.4-41
Table 2.6-1.	Sound Levels of Typical Noise Sources and Noise Environments	2.6-19
	Sound Level Measurements (dBA)	2.6-20
Table 2.6-3.	San Diego County Code Section 36404, Sound Level Limits in Deci (dBA)	ibels 2.6-21
Table 2 6 4	On-Site Vehicular Traffic Sound Levels	
	Off-Site Traffic Noise Levels (Direct Impacts)	
Table 2.6-6.	Grading Noise Source Levels	2.6-24
1 abic 2.0-0.	Grading Noise Source Levels	2.0-24
Table 2.8-1.	,	2.8-22
Table 2.8-2.	Existing Segment Operations	2.8-23
Table 2.8-3.	Existing Freeway Segment Operations	2.8-24
Table 2.8-4.	Measures of Significant Project Impacts to Congestion on	
	Intersections/Allowable Increases on Congested Intersections	2.8-25
Table 2.8-5.	Measures of Significant Project Impacts to Congestion on Mobility	
	Element Road Segments Allowable Increases on Congested Road	2.8-26
Table 2.9.6	Segments City of San Diego Traffic Impact Significant Thresholds	2.8-27
	5 1 1 7 1 6 11	2.8-28
	Project Trip Generation Existing + Project Intersection Operations	2.8-29
	Existing + Project Segment Operations	2.8-31
	Existing + Project Segment Operations Existing + Project Freeway Mainline Operations	• •
Table 2.0-10.	On-Site Circulation Element Roadways	2.8-34
Table 2.0-11.	Year 2020 Cumulative Intersection Operations	2.8-35
Table 2.0-12.	Year 2020 Cumulative Intersection Operations. Year 2020 Cumulative Segment Operations.	2.8-37
Table 2.0-13.	Year 2020 Cumulative Segment Operations Year 2020 Cumulative Freeway Mainline Operations	2.8-39
	Summary of Significant Traffic Impacts & Mitigation Measures	
Table 2.0-10.	Intersection Post-Mitigation Analysis	2.0-40
	Segment Post-Mitigation Analysis	
1 able 2.8-18.	Project Mitigation Phasing Summary	2.8-48
Table 3.1-1.	General Plan Consistency Analysis	3.1-28
	Otay Subregional Plan Consistency Analysis	3.1-47
Table 4-1.	No Project/Development Under Existing Specific Plan Designation	
	Alternative – Total Operational Emissions	4-38
Table 4-2.	Summary of No Project/Development Under Existing Specific Plan	
	Designation Alternative GHG Emissions	4-39

Table 4-3.	Comparison of Traffic Impacts – Project Alternatives and Proposed Project	4-40
Table 4-4.	Comparison of Reduced Development Intensity Alternatives and the	
T 11 45	Proposed Project	4-41
Table 4-5.	Reduced Development Intensity Alternative A – Total Operational	4 40
	Emissions.	4-42
Table 4-6.	Summary of Reduced Development Intensity Alternative A Estimated	
	Greenhouse Gas Emissions	4-43
Table 4-7.	Reduced Development Intensity Alternative A Trip Generation	4-44
Table 4-8.	Reduced Development Intensity Alternative B – Total Operational	
	Emissions.	4-45
Table 4-9.	Summary of Reduced Development Intensity Alternative B Estimated	• •
	Greenhouse Gas Emissions	4-46
Table 4-10.	Reduced Development Intensity Alternative B Trip Generation	4-47
Table 4-11.	Reduced Development Intensity Alternative C – Total Operational	. = .
	Emissions.	4-48
Table 4-12.	Summary of Reduced Development Intensity Alternative C Estimated	!
	Greenhouse Gas Emissions	4-49
Table 4-13.	Reduced Development Intensity Alternative C Trip Generation	4-50
Table 4-14.	Impact Comparison of Alternatives to Proposed Project	4-51
Table 8-1.	Commenters and Comment Letters	8-3
Table 8-2.	Summary of SEIR Text Changes	8-4
Table 8-3.	Comment Letters and Responses RTC F1	
	Comment Letters and Nesponses	,