Impact Category	Mitigation Program	Timeframe for Implementation	Responsible Monitoring Party	Monitoring/ Reporting Method	Compliance Status		
	Project Design Features						
	VIS-PDF1: The landscaping located in the southwest portion of the site for the proposed project shall coordinate with the landscaping of Mesa Birch View Park.	During Final Design	Community Development Department	Compliance with project conditions of approval.			
	Mitigation Measures						
Aesthetics	VIS-1: The project applicant shall retain a certified arborist to determine project impacts to adjacent mature trees located on the property of 2141 Mesa Drive. The consulting arborist shall assess and recommend appropriate and practical approaches and methods for treatment of the mature trees located on the property of 2141 Mesa Drive in consideration of the construction of the proposed property line block wall.	During Final Design	Community Development Department	Compliance with project conditions of approval.			
	VIS-2: The project applicant shall utilize trees and landscaping to minimize the potential for glare resulting from reflective surfaces on buildings or in paved areas and to provide a sense of scale between taller structures and surrounding single-story residential or commercial facilities.	During Final Design	Community Development Department	Compliance with project conditions of approval.			
	Standard Conditions and Requirements						
	AIR-SC1: During construction, the contractor shall use coatings and solvents (VOC architectural coatings) with a VOC content lower than required under SCAQMD rule 1113 which allows a VOC content of 2.08 pounds per gallon (lbs/gallon). A VOC content of 1.1 lbs/gallon is recommended.	During Construction	Community Development Department	Compliance with project conditions of approval.			
	AIR-SC2: The procedures detailed in the SCAQMD's Rule 403 shall be implemented to control fugitive dust during construction as follows: Land Clearing/Earth Moving	During Construction	Community Development Department	Compliance with project conditions of approval.			
	 Exposed pits (i.e., gravel, soil, dirt) with five percent or greater silt content shall be watered twice daily, enclosed, covered, or treated with non-toxic soil stabilizers according to manufactures' specifications. 						
	- All other active sites shall be watered twice daily.						
	 All grading activities shall cease during second stage smog alerts and periods of high winds (greater than 25 miles per hour) if soils are transported off site and cannot be controlled by watering. 						
Air Quality	 All trucks hauling dirt, sand, soil, or other loose materials off site shall be covered or wetted and shall maintain at least two feet of freeboard between the top of the load and the top of the trailer. 						
	 Portions of the construction site that remain inactive longer than a period of three months shall be seeded and watered until grass cover is grown or stabilized in a manner acceptable to the City. 						
	- All vehicles on the construction site shall travel at speeds less than 15 miles per hour.						
	- All diesel-powered vehicles and equipment shall be properly operated and maintained.						
	- All diesel- and gasoline-powered vehicles shall be turned off when not in use for more than five minutes.						
	 The construction contractor shall utilize electric or natural gas-powered equipment instead of gasoline or diesel-powered engines where feasible. 						
	Paved Roads						
	 All construction roads internal to the construction site that have a traffic volume of more than 50 daily trips by construction equipment, or 150 total daily trips for all vehicles, shall be surfaced with base material or decomposed granite, or shall be paved. 						

Impact Category	Mitigation Program	Timeframe for Implementation	Responsible Monitoring Party	Monitoring/ Reporting Method	Compliance Status			
	- Streets shall be swept hourly when visible soil material has been carried onto adjacent public paved roads.							
	 Construction equipment shall be visually inspected prior to leaving the site and loose dirt shall be washed off with wheel washers, as necessary. 							
	Unpaved Staging Areas or Roads							
	 Water or non-toxic soil stabilizers shall be applied, according to manufacturers' specifications, as needed to reduce off-site transport of fugitive dust from all unpaved staging areas and unpaved road surfaces. 							
	AIR-SC3: An asbestos study of any structures found shall be conducted. SCAQMD's Rule 1403 - Asbestos emissions from demolition/renovation activities shall be followed for all relevant activities.	Prior to issuance of a grading or demolition permit, and during construction	Community Development Department	Compliance with project conditions of approval.				
	Standard Conditions and Requirements							
	BIO-SC1: A preconstruction survey for nesting birds shall be conducted by a qualified biologist if clearing and grubbing work is conducted within the bird nesting season (February 15 to September 15). If an active nest is discovered, disturbance within an established buffer shall be prohibited until nesting is complete; the buffer distance shall be determined by the biologist in consultation with applicable resource agencies and in consideration of species sensitivity and existing nest site conditions. Limits of avoidance shall be demarcated with flagging or fencing. The Biologist shall record the results of the recommended protective measures described above and shall submit a memo summarizing any nest avoidance measures to the City to document compliance with applicable State and federal laws pertaining to the protection of native birds.	Prior to issuance of Grading Permit and during construction	Community Development Department	Compliance with project conditions of approval.				
Biological	Mitigation Measures							
Resources	BIO-1 : A preconstruction survey of the mature trees located on the property of 2141 Mesa Drive will be conducted by a certified arborist for evaluation of the trees' age, health and consideration as either a special, problem, or other type of tree as it would relate to the protection in place of the trees.	Prior to issuance of a Grading Permit	Community Development Department	Compliance with project conditions of approval.				
	BIO-2: The certified arborist shall provide recommendations as outlined in Mitigation Measure VIS-1.	Prior to issuance of a Grading Permit	Community Development Department	Compliance with project conditions of approval.				
	BIO-3: In cooperation with the City, coordination between the developer and property owner at 2141 Mesa Drive shall be conducted prior to construction to review the certified arborist's recommendations, obtain property owner input, and establish an approach for protection, replacement, or other measures for treatment of the mature trees located along the property line.	Prior to issuance of a Grading Permit	Community Development Department	Compliance with project conditions of approval.				
	Standard Conditions and Requirements							
Cultural Resources	CUL-SC1 : Prior to the issuance of a grading permit, the Project Applicant shall submit written evidence to the satisfaction of the Community Development Director that a certified archaeologist has been retained to observe grading activities and salvage and catalogue artifacts, as necessary. The archaeologist shall be present at the pre-grade conference, shall establish procedures for archaeological resource surveillance and shall establish, in cooperation with the City, procedures for temporarily halting or redirecting work to permit sampling, identification, and evaluation of the findings. If major archaeological resources are discovered, which require long-term halting or redirecting of grading, the archaeologist shall report such findings to the City and the Project Applicant. The archaeologist shall determine appropriate actions, in cooperation with the City and the Project Applicant, which ensure proper exploration and/or salvage. Excavated finds shall be offered to the City, or its designee, on a first-refusal basis. The Project Applicant may retain said finds if written assurance is provided that they will be properly preserved in Orange County, unless said finds are of significance, or a museum or repository in Orange County indicates a desire to study and/or display them at the time, in which case items shall be donated to the City, or designee.	Prior to issuance of Grading Permit and during construction	Community Development Department	Compliance with project conditions of approval.				

Impact Category	Mitigation Program	Timeframe for Implementation	Responsible Monitoring Party	Monitoring/ Reporting Method	Compliance Status			
	CUL-SC2: Prior to the issuance of a grading permit, the Project Applicant shall submit written evidence to the satisfaction of the Community Development Director that a paleontologist has been retained to observe grading activities and salvage and catalogue fossils as necessary. The paleontologist shall be present at the pre-grade conference, shall establish procedures for paleontological resource surveillance and shall establish, in cooperation with the City, procedures for temporarily halting or redirecting work to permit sampling, identification, and evaluation of the findings. If major paleontological resources are discovered, which require long-term halting or redirecting of grading, the paleontologist shall report such findings to the City and the Project Applicant. The paleontologist shall determine appropriate actions, in cooperation with the City and the Project Applicant, which ensure proper exploration and/or salvage. Excavated finds shall be offered to the City, or its designee, on a first-refusal basis. The Project Applicant may retain said finds if written assurance is provided that they will be properly preserved in Orange County, unless said finds are of special significance, or a museum or repository in Orange County indicates a desire to study and/or display them at the time, in which case items shall be donated to the City, or designee.	Prior to Issuance of Grading Permit and during construction	Community Development Department	Compliance with project conditions of approval.				
	CUL-SC3 : In accordance with Section 7050.5 of the <i>California Health and Safety Code</i> , if human remains are found, the Orange County Coroner must be notified within 24 hours of the discovery. If the coroner determines that the remains are not recent, the coroner shall notify the Native American Heritage Commission (NAHC) in Sacramento to determine the most likely descendent for the area. The designated Native American representative shall then determine in consultation with the property owner the deposition of the human remains.	During Construction	Community Development Department	Compliance with project conditions of approval.				
	Mitigation Measures							
	GEO-1: Prior to issuance of a grading permit, a qualified geotechnical engineer shall be retained by the Project Applicant to be present on the project site during excavation, grading, and general site preparation activities to monitor the implementation of the recommendations as specified in the <i>Geotechnical Investigation</i> (SoCalGeo, 2007). Whenever appropriate, the geotechnical engineer shall provide structure specific geologic and geotechnical recommendations which shall be documented in a report to be appended to the project's Geotechnical Investigation.	Prior to Issuance of Grading Permit and during construction	Community Development Department, Engineering	Compliance with project conditions of approval.				
Geology and Soils	GEO-2: Remedial grading shall be performed to remove potentially collapsible fill and possible fill soils from the proposed building area and replace them with compacted structural fill per the Geotechnical Investigation. The depth of overexcavation should be sufficient to remove all existing undocumented fill and possible fill soils.	Prior to issuance of Grading Permit and during construction	Community Development Department, Engineering	Compliance with project conditions of approval.				
	GEO-3: Adequate moisture content within all subgrades and new fill soils shall be maintained per the Geotechnical Investigation. Additional expansion index testing shall be conducted at the completion of rough grading to verify the expansion potential of the as-graded building pad.	Prior to issuance of grading Permit and during construction	Community Development Department, Engineering	Compliance with project conditions of approval.				
	Standard Conditions and Requirements							
Hazards and Hazardous Materials	HAZ-SC1: Prior to demolition, testing for all structures for presence of lead-based paint (LBP) and/or asbestos-containing materials (ACMs) shall be completed. The Asbestos-Abatement Contractor shall comply with notification and asbestos-removal procedures outlined in the South Coast Air Quality Management District's (SCAQMD's) Rule 1403 to reduce asbestos-related air quality health risks. SCAQMD Rule 1403 applies to any demolition or renovation activity and the associated disturbance of ACMs. This requirement shall be included on the contractors' specifications and verified by the City of Newport Beach Community Development Department.							
	All demolition activities that may expose construction workers and/or the public to ACMs and/or LBP shall be conducted in accordance with applicable regulations, including, but not limited to Title 40 of the <i>Code of Federal Regulations</i> (CFR), Subchapter R (Toxic Substances Control Act); CalOSHA regulations (Title 8 of the <i>California Code of Regulations</i> §1529 [Asbestos] and §1532.1 [Lead]); and SCAQMD Rule 1403 (Asbestos Emissions from Demolition/Renovation Activities). The requirement to adhere to all applicable regulations shall be included in the contractor specifications, and such inclusion shall be verified by the City of Newport Beach Community Development Department prior to issuance of the first grading permit.							

Impact Category	Mitigation Program	Timeframe for Implementation	Responsible Monitoring Party	Monitoring/ Reporting Method	Compliance Status		
	Standard Conditions and Requirements						
Hydrology	WQ-SC1: Prior to issuance of grading permits, the Project Applicant shall develop and submit a Notice of Intent (NOI) and Storm Water Pollution Prevention Plan (SWPPP) to the Santa Ana Regional Water Quality Control Board (RWQCB) for compliance with the Statewide General Construction National Pollutant Discharge Elimination System (NPDES) permit for construction activity. The SWPPP shall contain Best Management Practices to be implemented during construction to minimize pollutants from stormwater runoff to receiving waters during construction.	Prior issuance of Grading Permit and during construction	Community Development Department, Engineering	Compliance with project conditions of approval.			
	WQ-SC2: Prior to issuance of grading permits, the <i>Water Quality Management Plan</i> (Walden & Associates January 2015) shall be approved by the Community Development Department, Building Division. The project may be subject to additional conditions as required by the City or Santa Ana RWQCB to ensure that no violations of water quality standards or waste discharge requirements occur.	Prior issuance of Grading Permit and during construction	Community Development Department	Compliance with project conditions of approval.			
	Standard Conditions and Requirements						
	NOI-SC1: To ensure compliance with Newport Beach Municipal Code Section 10.28.040, grading and construction plans shall include a note indicating that loud noise-generating Project construction activities (as defined in Section 10.28.040 of the Newport Beach Noise Ordinance) shall take place between the hours of 7:00 AM and 6:30 PM on weekdays and from 8:00 AM to 6:00 PM on Saturdays. Loud, noise-generating construction activities are prohibited on Sundays and federal holidays.	During Construction	Community Development Department, Engineering	Construction inspection.			
	Mitigation Measures						
	NOI-1: All buildings shall be equipped with air conditioning systems to ensure that windows and doors can remain closed for prolonged periods of time.	During Final Design	Community Development Department, Engineering	Compliance with project conditions of approval.			
Noise	NOI-2: Prior to the issuance of building permits, an Acoustical Analysis Report is required describing in detail the exterior noise environment and the acoustical design features incorporated into the design if the proposed project to meet the interior noise standards of the Noise Element of the General Plan.	Prior to issuance of Building Permit	Community Development Department, Engineering	Compliance with project conditions of approval.			
	NOI-3 : Construction of the block wall planned to be constructed along the property boundary lines to separate the site from adjacent properties shall be constructed during the initial stages of construction to reduce the impacts of construction noise to the residences. Construction of the block wall or other temporary noise barriers would significantly reduce construction noise impacts at sensitive receptors.	During Construction	Community Development Department, Engineering	Construction inspection.			
	NOI-4 : Mufflers and other noise attenuating devices recommended by the manufacturer shall be utilized on machinery, combustion engines, or any other noise-generating device. All equipment shall be properly maintained to assure that no additional noise, due to worn or improperly maintained parts, would be generated.	During Construction	Community Development Department, Engineering	Construction inspection.			
	Standard Conditions and Requirements						
Public Services	PUB-SC1: Prior to issuance of building permits, the City of Newport Beach Police Department shall review development plans for the incorporation of defensible space concepts to reduce demands on police services. Public safety planning recommendations shall be incorporated into the project plans. The Applicant shall prepare a list of project features and design components that demonstrate responsiveness to defensible space design concepts. The Police Department shall review and approve all defensible space design features incorporated into the project prior to initiating the building plan check process.	Prior to issuance of Building Permits	Community Development Department, Newport Beach Police Department	Compliance with project conditions of approval.			
	PUB-SC2: Prior to the issuance of the first grading permit and/or action that would permit project site disturbance, the Applicant shall provide evidence to the City of Newport Beach Police Department that a construction security service or equivalent service shall be established at the construction site along with other measures, as identified by the Police Department and the Public Works Department, to be instituted during the grading and construction phase of the project.	Prior to issuance of Building Permits.	Community Development Department, Newport Beach Police Department	Compliance with project conditions of approval.			

Impact Category	Mitigation Program	Timeframe for Implementation	Responsible Monitoring Party	Monitoring/ Reporting Method	Compliance Status			
	Project Design Feature							
	UTL-PDF1 : Water leaving the project site due to over-irrigation of landscape shall be minimized. Once a week in conjunction with maintenance activities, the water sensors shall be checked to function properly, irrigation heads shall be properly adjusted to eliminate overspray, and irrigation timing and cycle lengths shall be verified and adjusted in accordance with water demand, season, weather, and time of day temperatures. If an accident from over-irrigation is reported, a representative from the Code Enforcement Division shall visit the location, investigate, inform the site manager, if possible, leave a note, and in some cases shut off the water.	Ongoing	Community Development Department	Compliance with project conditions of approval.				
	UTL-PDF2 : Watering shall be done during the early morning or evening hours to minimize evaporation (between 4:00 P.M. and 9:00 A.M. the following morning).	Ongoing	Community Development Department	Compliance with project conditions of approval.				
	UTL-PDF3: The underground stormwater treatment device and catch basins on the project site shall be inspected and maintained immediately prior to the fall season (October) first "first flush" storm and after all major rain events. During the rainy season, an inspection of the treatment device shall be conducted every 30 days and cleaned out when necessary. The treatment device and catch basins shall be cleaned out at the end of the rainy season.	Ongoing	Community Development Department	Compliance with project conditions of approval.				
	Standard Conditions and Requirements							
	UTL-SC1: The project applicant shall submit utility improvement plans to the Irvine Ranch Water District (IRWD) for review and approval. The project may be subject to additional conditions as required by IRWD in order to be compliant with system design criteria and to accommodate capacity.	Prior to issuance of Building Permits	Community Development Department; Irvine Ranch Water District	Compliance with project conditions of approval.				
Utilities and Service Systems	 UTI-SC2: Chapter 14.16, Water Conservation and Supply Level Regulations, of the City of Newport Beach Municipal Code establishes the following mandatory permanent water conservation requirements, as summarized, during non-shortage conditions: No customer shall use potable water to irrigate landscaping unless such irrigation is limited to no more than ten minutes of watering per day per station. No person shall use water to irrigate landscaping that causes or allows excessive flow or runoff. No person shall use water to wash down hard or paved surfaces, except when necessary to alleviate safety or sanitary hazards. No person shall permit excessive use, loss, or escape of water through breaks, leaks, or other malfunctions in the user's plumbing or distribution system. No customer shall use potable water for irrigation during a rainfall event. By July 1, 2012, all landscape irrigation systems connected to dedicated landscape meters shall include rain sensors that automatically shut off such systems during periods of rain or include evapotranspiration systems that schedule irrigation based on climatic conditions. No customer shall operate a water fountain or other decorative water feature that does not use a recirculating water system. No customer shall use water to clean a vehicle, except by use of a hand-held bucket or hand-held hose equipped with a water shut-off nozzle or device. Effective January 1, 2010, all new commercial conveyor car wash systems shall have recirculating water systems. By January 1, 2013, all commercial conveyor car wash systems shall have recirculating water systems. Eating or drinking establishments shall not provide drinking water unless expressly requested by the patron. Hotel, motel, and other commercial lodging establishments shall provide customers the option of not having towels and linen laundered daily. No customer shall install a new, single pass cooling system in	Ongoing	Community Development Department, Engineering	Compliance with project conditions of approval.				

Impact Category		Mitigation Program	Timeframe for Implementation	Responsible Monitoring Party	Monitoring/ Reporting Method	Compliance Status
	 operated laundries shall be EnergyStar® and CEE Tier III qualified. No customer shall use water from any fire hydrant for any purpose other than fire suppression or emergency aid. Commercial kitchens shall employ water-conservation practices and technology. Construction Site Requirements: No person shall use potable water for soil compaction or dust control on a construction site where there is an available and feasible source of recycled water or non-potable water approved by the Department of Public Health and appropriate for such use. No person shall operate a hose within a construction site that is not equipped with an automatic shut-off nozzle, provided that such devices are available for the size and type of hose in use. 					
	establishes the follo water shortages.	1.16, Water Conservation and Supply Level Regulations, of the City of Newport Beach Municipal Code wing four levels of water supply shortage response actions to be implemented during times of declared	Ongoing	Community Development Department, Engineering	Compliance with project conditions of approval.	
	Water Conservation Level	Requirements				
	Level One	Limit outdoor watering to scheduled irrigation days				
		Cutbacks in water usage (up to 10%)				
		Increased response time to fix broken/leaking plumbing (within 72 hours of notification from City)				
		Limit filling of ornamental water features/pools (once per week)				
	Level Two	Further reduction in scheduled irrigation days and no watering between 9:00 AM and 5:00 PM on any day				
		Increased cutbacks in water usage (11–25%)				
		Increased response time to fix broken/leaking plumbing (within 48 hours of notification from the City)				
		Increase limitations for filling of ornamental water features/pools (once every other week)				
	Level Three	Further reduction in scheduled irrigation days and no watering between 9:00 AM and 5:00 PM on any day				
		Increased cutbacks in water usage (26–40%)				
		Increased response time to fix broken/leaking plumbing (within 24 hours of notification from the City)				
		No filling of ornamental water features/pools				
	Level Four	No outdoor watering				
		Increased cutbacks in water usage (more than 40%)				
		No new potable water services/meters				
		Increased response time to fix broken/leaking plumbing (within 24 hours of notification from City)				
ı		No filling of ornamental water features/pools				