



INITIAL STUDY CHECKLIST
 New 12-Unit Multi-Family Residential Project
 361-365 Myrtle Street

1.	Project Title: New 12-Unit Multi-Family Residential Project
2.	Lead Agency Name and Address: City of Glendale Community Development Department Planning Division 633 East Broadway, Room 103 Glendale, CA 91206
3.	Contact Person and Phone Number: Milca Toledo, Senior Planner Tel: (818) 937-8181 Fax: (818) 240-0392
4.	Project Location: 361-365 Myrtle Street, Glendale, Los Angeles County, CA 91203
5.	Project Sponsor's Name and Address: Hamlet Zohrabians 3467 Ocean View Blvd., Suite B Glendale, CA 91208
6.	General Plan Designation: High Density Residential
7.	Zoning: R-1250 (High Density Residential) Zone
8.	Description of the Project: The proposed project involves the demolition of two existing residential units (a single family home and detached garage on two combined lots) and the construction of a new three-story, 12-unit multi-family residential development on two lots with a combined square-footage of 13,514 square feet with a total of 29 parking spaces in a one-level semi-subterranean garage. The project includes common open space, private open space and landscaping. Development of the project requires Design Review Board approval for the design.
9.	Surrounding Land Uses and Setting: <u>North:</u> Multi & single-family residential Uses <u>South:</u> Multi & single family residential uses <u>East:</u> Multi & single-family residential uses <u>West:</u> Multi & single-family residential uses
10.	Other public agencies whose approval is required (e.g., permits, financing approval or participation agreement). None

11. Environmental Factors Potentially Affected:

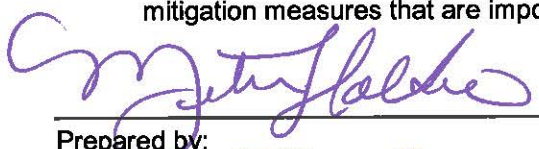
The environmental factors checked below would be potentially affected by this project, involving at least one impact that is a "Potentially Significant Impact," as indicated by the checklist on the following pages.

- | | | |
|---|--|--|
| <input type="checkbox"/> Aesthetics | <input type="checkbox"/> Agricultural and Forest Resources | <input type="checkbox"/> Air Quality |
| <input type="checkbox"/> Biological Resources | <input checked="" type="checkbox"/> Cultural Resources | <input type="checkbox"/> Geology / Soils |
| <input type="checkbox"/> Greenhouse Gas Emissions | <input type="checkbox"/> Hazards & Hazardous Materials | <input type="checkbox"/> Hydrology / Water Quality |
| <input type="checkbox"/> Land Use / Planning | <input type="checkbox"/> Mineral Resources | <input type="checkbox"/> Noise |
| <input type="checkbox"/> Population / Housing | <input type="checkbox"/> Public Services | <input type="checkbox"/> Recreation |
| <input type="checkbox"/> Transportation / Traffic | <input type="checkbox"/> Tribal Cultural Resources | <input type="checkbox"/> Utilities / Service Systems |
| <input type="checkbox"/> Mandatory Findings of Significance | | |

LEAD AGENCY DETERMINATION:

On the basis of this initial evaluation:

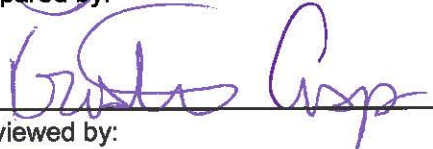
- I find that the proposed project **COULD NOT** have a significant effect on the environment, and a **NEGATIVE DECLARATION** will be prepared.
- I find that although the proposed project could have a significant effect on the environment, there will not be a significant effect in this case because revisions in the project have been made by or agreed to by the project proponent. A **MITIGATED NEGATIVE DECLARATION** will be prepared.
- I find that the proposed project **MAY** have a significant effect on the environment, and an **ENVIRONMENTAL IMPACT REPORT** is required.
- I find that the proposed project **MAY** have a "potentially significant impact" or "potentially significant unless mitigated" impact on the environment, but at least one effect 1) has been adequately analyzed in an earlier document pursuant to applicable legal standards, and 2) has been addressed by mitigation measures based on the earlier analysis as described on attached sheets. An **ENVIRONMENTAL IMPACT REPORT** is required, but it must analyze only the effects that remain to be addressed.
- I find that although the proposed project could have a significant effect on the environment, because all potentially significant effects (a) have been analyzed adequately in an earlier EIR or **NEGATIVE DECLARATION** pursuant to applicable standards, and (b) have been avoided or mitigated pursuant to that earlier EIR or **NEGATIVE DECLARATION**, including revisions or mitigation measures that are imposed upon the proposed project, nothing further is required.



Prepared by:

Date:

11/3/17



Reviewed by:

Date:

11/3/17

Signature of Director of Community Development or his or her designee authorizing the release of environmental document for public review and comment.



Director of Community Development:

Date:

11/3/17

12. Environmental Factors Potentially Affected:

The following section provides an evaluation of the impact categories and questions contained in the checklist, and identifies mitigation measures, if applicable.

A. AESTHETICS

<i>Would the project:</i>	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
1. Have a substantial adverse effect on a scenic vista?				X
2. Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?				X
3. Substantially degrade the existing visual character or quality of the site and its surroundings?			X	
4. Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?			X	

1) Have a substantial adverse effect on a scenic vista?

No Impact. No scenic vistas, as identified in the Open Space and Conservation Element (January 1993), exist within or in proximity to the project site. Therefore, no impacts to scenic vistas would occur.

Mitigation Measures: No mitigation measures are required.

2) Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?

No Impact. No state scenic highway is located adjacent to or within view of the project site. No impacts to scenic resources within a State scenic highway would occur.

Mitigation Measures: No mitigation measures are required.

3) Substantially degrade the existing visual character or quality of the site and its surroundings?

Less Than Significant Impact. The project will be reviewed by the Design Review Board (DRB) in regard to the site planning, mass and scale, architecture, materials, and landscaping to ensure the project's design is compatible with the surrounding built environment. The DRB is charged with making a determination that the project complies with the City's Comprehensive Design Guidelines, Chapter 5 - Multi-Family Residential and Mixed Use Design Guidelines. Compliance with the zoning development standards for the R-1250 zone, including setbacks, height limit, landscaping and open space, influences the site planning (building placement) and massing/scale. The project is located towards the center of the lot, and features the required landscaped street front setback, setbacks with planters along the side, and a common open space area at the rear; setbacks and separation from adjacent buildings are met. The three-story building will be taller than the existing, adjacent one and two-story multi-family residential buildings, but the step-backs along the upper floors and the articulation along the elevations helps break down the size and appearance of the massing.

The area surrounding the project site includes residential uses in buildings of various sizes. Nearby buildings were constructed during various time periods with a variety of architectural styles. The proposed architectural style will require approval from the Design Review Board, which will review

the site planning, architecture, materials and landscaping to ensure compatibility with the surrounding built environment. The proposed project will not degrade the visual character of the surrounding area. No significant impacts associated with the existing visual character of the surrounding neighborhood are anticipated.

Mitigation Measures: No mitigation measures are required.

4) **Create a new source of substantial light or glare, which would adversely affect day or nighttime views in the area?**

Less Than Significant Impact. The property faces Myrtle Street and single-family and multi-family residences in the R-1250 (High Density Residential) zone. Day and nighttime lighting for the project would only represent a slight increase above existing conditions and would be similar to the existing one-, two-, and three-story multi-family buildings within the project vicinity along Myrtle Street. The lighting generated from the proposed building will be similar to that of the multi-family buildings in the immediate area. As such, impacts associated with increased ambient lighting affecting nighttime views in the project area are considered less than significant.

Mitigation Measures: No mitigation measures are required.

B. AGRICULTURE AND FOREST RESOURCES

<p><i>In determining whether impacts to agricultural resources are significant environmental effects, lead agencies may refer to the California Agricultural Land Evaluation and Site Assessment Model (1997) prepared by the California Department of Conservation as an optional model to use in assessing impacts on agriculture and farmland. Would the project. In determining whether impacts to forest resources, including timberland, are significant environmental effects, lead agencies may refer to information compiled by the California Department of Forestry and Fire Protection regarding the state's inventory of forest land, including the Forest and Range Assessment Project and the Forest Legacy Assessment project; and the forest carbon measurement methodology provided in the Forest Protocols adopted by the California Air Resources Board. Would the project.</i></p>	<p>Potentially Significant Impact</p>	<p>Less Than Significant Impact With Mitigation Incorporated</p>	<p>Less Than Significant Impact</p>	<p>No Impact</p>
<p>1. Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?</p>				<p>X</p>
<p>2. Conflict with existing zoning for agricultural use, or a Williamson Act contract?</p>				<p>X</p>
<p>3. Conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code section 12220(g)) or timberland (as defined in Public Resources Code section 4526)?</p>				<p>X</p>
<p>4. Result in the loss of forest land or conversion of forest land to non-forest use?</p>				<p>X</p>
<p>5. Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use or conversion of forest land to non-forest use?</p>				<p>X</p>

1) **Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?**

No Impact. There is no prime farmland, unique farmland, or farmland of statewide importance within or adjacent to the proposed project site and no agricultural activities take place on the project site. No agricultural use zone currently exists within the City, nor are any agricultural zones proposed. No impacts would occur.

Mitigation Measures: No mitigation measures are required.

2) **Conflict with existing zoning for agricultural use, or a Williamson Act contract?**

No Impact. The proposed project site is located in an urbanized area developed with other buildings similar in use, scale, and style to the proposed structure. No portion of the project site is proposed to include agricultural zoning designations or uses, nor do any such uses exist within the City under the current General Plan and zoning. There are no Williamson Act contracts in effect for the project site or surrounding vicinity. No conflicts with existing zoning for agricultural use or Williamson Act contract would result. No impacts would occur.

Mitigation Measures: No mitigation measures are required.

3) **Conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code section 12220(g)) or timberland (as defined in Public Resources Code section 4526)?**

No Impact. There is no existing zoning of forest land or timberland in the City of Glendale. No impacts would occur.

Mitigation Measures: No mitigation measures are required.

4) **Result in the loss of forest land or conversion of forest land to non-forest use?**

No Impact. There is no forest land within the City of Glendale. No forest land would be converted to non-forest use under the proposed project. No impacts would occur.

Mitigation Measures: No mitigation measures are required.

5) **Involve other changes in the existing environment, which, due to their location or nature, could result in conversion of farmland to non-agricultural use or conversion of forest land to non-forest use?**

No Impact. There is no farmland or forest land in the vicinity of or on the proposed project site. No farmland would be converted to non-agricultural use and no forest land would be converted to non-forest use under the proposed project. No impacts would occur.

Mitigation Measures: No mitigation measures are required.

C. AIR QUALITY

<i>Where available, the significance criteria established by the applicable air quality management or air pollution control district may be relied upon to make the following determinations. Would the project:</i>	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
1. Conflict with or obstruct implementation of the applicable air quality plan?			X	
2. Violate any air quality standard or contribute substantially to an existing or projected air quality violation?			X	

<i>Where available, the significance criteria established by the applicable air quality management or air pollution control district may be relied upon to make the following determinations. Would the project:</i>	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
3. Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard (including releasing emissions which exceed quantitative thresholds for ozone precursors)?			X	
4. Expose sensitive receptors to substantial pollutant concentrations?			X	
5. Create objectionable odors affecting a substantial number of people?			X	

1) Conflict with or obstruct implementation of the applicable air quality plan?

Less Than Significant Impact. The project is located in the South Coast Air Quality Management District (SCAQMD), which recently approved the 2016 Air Quality Management Plan (AQMP). The purpose of the AQMP is to set forth a comprehensive and integrated program that will lead the Basin into compliance with the federal 24-hour PM2.5 air quality standard, and to provide an update to the Basin’s commitments towards meeting the federal 8-hour ozone standards. Projects that are considered to be consistent with the AQMP do not interfere with attainment and do not contribute to exceeding an existing air quality violation because this growth is included in the projections utilized in the formulation of the AQMP. Therefore, projects uses, and activities that are consistent with the applicable assumptions used in the development of the AQMP would not jeopardize attainment of the air quality levels identified in the AQMP, even if they exceed the SCAQMD’s recommended thresholds.

The project would not increase population figures over those that have been planned for the area and would be consistent with the AQMP forecasts. Therefore, the project would be consistent with the air quality-related regional plans, and should not jeopardize attainment of state and federal ambient air quality standards.

Another measurement tool in determining AQMP consistency is to determine how a project accommodates the expected increase in population and employment. Generally, if a project is planned in such a way that results in the minimization of vehicle miles traveled both within the project and in the community in which it is located, and consequently the minimization of air pollutant emissions, it would be consistent with the AQMP. The project site is located in close proximity to several modes of public transportation, which could accommodate a portion of the project-generated trips. As a result, vehicle miles traveled and, consequently, air pollutant emissions from mobile sources, would be reduced from the proximity to existing transit facilities. No impacts would occur.

Mitigation Measures: No mitigation measures are required.

2) Violate any air quality standard or contribute substantially to an existing or projected air quality violation?

Less Than Significant Impact. The California Emissions Estimator Model (CalEEMod.2016.32) Software was used to estimate the emissions associated with construction and operation of the proposed project. CalEEMod is a land use and transportation based computer model designed to estimate regional air emissions from new land use development projects. The model accounts for certain meteorological conditions that characterize specific air basins in California. The model was developed by the California Air Resources Board (CARB) and is approved for use by the SCAQMD.

The CalEEMod emission calculations assume the use of standard construction practices, such as compliance with SCAQMD Rule 403 (Fugitive Dust), to minimize the generation of fugitive dust, which is mandatory for all construction projects. In the model, the emission calculations take into account compliance with Rule 403 by incorporating the measures below. Rule 403 contains other best available control measures to minimize fugitive dust emissions; however, they are not accounted for in the model.

- Watering of exposed surfaces and unpaved roads three times daily, which is estimated to reduce fugitive dust emissions from this source (PM10 and PM2.5) by 61 percent, per guidance from the SCAQMD; and
- Use of soil stabilization measures during equipment loading and unloading, which is estimated to reduce fugitive dust emissions from this source (PM10 and PM2.5) by 69 percent, per guidance from the SCAQMD.

The project's construction information was entered into the model to estimate construction emissions. Based on the model run, construction of the project would not exceed the SCAQMD thresholds of significance for construction.

Area sources emissions would be generated during the consumption of natural gas for space and water heating devices, by natural gas fireplaces, and during the operation of gasoline-powered landscape maintenance equipment and use of consumer products (e.g., hair spray, deodorants, lighter fluid, air fresheners, automotive products, and household cleaners). Mobile source emissions would be generated by the motor vehicles traveling to and from the project site.

Area and mobile source emissions were estimated using. The project's land uses were entered into the model to estimate area source emissions. It was assumed that all buildings would combust natural gas. Based on the model run, the project would not exceed the SCAQMD thresholds of significance for construction or operations. Therefore, no significant impacts are anticipated.

Mitigation Measures: No mitigation measures are required.

- 3) ***Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard (including releasing emission, which exceed quantitative thresholds for ozone precursors)?***

Less Than Significant Impact. As indicated in the air quality model run described above, the proposed project would not result in a cumulatively considerable net increase of any criteria pollutant. No significant impacts would occur.

Mitigation Measures: No mitigation measures are required.

- 4) ***Expose sensitive receptors to substantial pollutant concentrations?***

Less than Significant Impact. Sensitive residential receptors are located nearby in single and multi-family residential buildings. However, as indicated in the model run performed for this project, no construction or operational impacts are anticipated. Therefore, the project would not expose sensitive receptors to a substantial pollutant concentration; impacts are considered less than significant.

Mitigation Measures: No mitigation measures are required.

- 5) ***Create objectionable odors affecting a substantial number of people?***

Less Than Significant Impact. Construction activity associated with the proposed project may generate detectable odors. However, any detectable odors would be associated with initial construction and would be considered short-term. Significant long-term odor impacts are not anticipated to occur from the project since it is a residential use. No significant impacts would occur.

Mitigation Measures: No mitigation measures are required.

D. BIOLOGICAL RESOURCES

<i>Would the project:</i>	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
1. Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?				X
2. Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?				X
3. Have a substantial adverse effect on federally protected wetlands as defined by Section 404 of the Clean Water Act (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?				X
4. Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?				X
5. Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?				X
6. Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?				X

- 1) ***Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service?***

No Impact. The proposed project is located in an area that has been urbanized for many years. The majority of the local area has been developed or landscaped and supports largely non-native plant communities and species. Only a limited number of plant species that flourish in urban environments, none of which are considered rare or endangered, can be found on the project site. Natural vegetation does not exist on site. Existing trees in the area are limited to street trees and those planted on the project site. The site is surrounded by developed properties and is unsuitable for use as wildlife habitat due to existing urban intrusion. The subject site is also located in a dense area of the city. No wildlife species other than those which can tolerate human activity and/or are typically found in urban environments are known to exist on site or vicinity of the project site. These human-tolerant species are neither sensitive, threatened, nor endangered. Implementation of the project would not result in any impact to species identified as endangered, threatened, sensitive or being of special concern by the California Department of Fish and Wildlife or the United States Fish and Wildlife Service. The site does not provide suitable habitat for endangered or rare species. Therefore, no impacts would occur.

Mitigation Measures: No mitigation measures are required.

- 2) ***Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?***

No Impact. The proposed project is located in an area that has been highly urbanized for many years. No riparian habitat and/or other sensitive natural communities are present within the vicinity, and no such areas are present onsite or adjacent to the project site. No impacts would occur.

Mitigation Measures: No mitigation measures are required.

- 3) ***Have a substantial adverse effect on federally protected wetlands as defined by Section 404 of the Clean Water Act (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?***

No Impact. The proposed project is located in an area that has been heavily urbanized for many years. No federally protected wetlands are present within the vicinity, and no such areas are present onsite or adjacent to the project site. No impacts would occur.

Mitigation Measures: No mitigation measures are required.

- 4) ***Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?***

No Impact. The proposed project is located in an area that has been urbanized for many years and has been substantially modified by human activity. All lots surrounding the subject property have been developed. Implementation of the proposed project will not interfere with the movement of native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites. No impacts would occur.

Mitigation Measures: No mitigation measures are required.

- 5) ***Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?***

No Impact. The proposed project lies within an area that has been heavily urbanized for many years. No protected biological resources are present onsite, as the subject lot and the surrounding area are developed with a variety of multi-family housing, as well as some single-family residences. Similarly, there are no indigenous trees, as defined pursuant to Chapter 12.44 of the Glendale Municipal Code (GMC), located on or within 20 feet of the project site. Implementation of the proposed project will not conflict with any local policy designed to protect biological resources. No impacts would occur.

Mitigation Measures: No mitigation measures are required.

- 6) ***Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?***

No Impact. The project site and the surrounding area have been developed and heavily affected by past activities. No Habitat Conservation Plan, Natural Community Conservation Plan, or other approved habitat conservation plan has been adopted to include the project site. Therefore, the project would not conflict with any such plans. No impacts would occur.

Mitigation Measures: No mitigation measures are required.

E. CULTURAL RESOURCES

<i>Would the project:</i>	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
1. Cause a substantial adverse change in the significance of a historical resource as defined in CEQA Guidelines §15064.5?	X			
2. Cause a substantial adverse change in the significance of an archaeological resource pursuant to CEQA Guidelines §15064.5?			X	
3. Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?			X	
4. Disturb any human remains, including those interred outside of formal cemeteries?			X	

1) Cause a substantial adverse change in the significance of a historical resource as defined in CEQA Guidelines §15064.5?

Potentially Significant Impact.

The project site is composed of two parcels: 361 and 365 Myrtle Street. The proposed project would require the demolition of two existing one-story residential buildings and detached garages constructed in 1920, 1921 and 1930. The property located at 361 W. Myrtle Street was identified in the City's 2007 Craftsman Survey and listed the structure "6L" – determined ineligible for local listing or designation through local government review process, but may warrant special consideration in local planning.

The 365 Myrtle Street parcel (APN 5637-005-032) was originally developed in 1921 with a one-story, five room single-family residence. No other permits for exterior alteration of the building or construction of the garage have been issued. A historic evaluation report prepared by Sapphos Environmental Inc., was submitted by the applicant to determine if the subject property meets the definition of "historical resources" as defined in Section 15064.5(a) of the California Environmental Quality Act (CEQA) Guidelines. This property at 365 Myrtle Street is a one-story, 1,431 square-foot single-family residence designed in the Spanish Colonial Revival style. The report concluded that although the property generally retains integrity, it does not possess sufficient historical or architectural significance to merit listing in the Local, State or Federal level of Historic Resources. For these reasons, this structure does not qualify as a "historic resource" per CEQA, and therefore, its proposed demolition is not considered an impact with regards to historical resources. See Exhibit 3.

The 361 Myrtle Street parcel (APN 5637-005-030) was developed circa 1920 with a single family residence, and a detached garage was constructed in 1920. The permit issued was for the construction of a six-room residence and garage. In 1926, a permit was issued to the owner, for the construction of an addition. In 1930, a permit was issued to the owner for the construction of an addition to the garage. The existing house is one story, approximately 1,437 square feet, and designed in the Craftsman bungalow style. A historic evaluation report prepared by Sapphos Environmental Inc., was submitted by the applicant to determine if the subject property meets the definition of "historical resources" as defined in Section 15064.5(a) of the California Environmental Quality Act (CEQA) Guidelines. The report concluded that although the property generally retains

integrity, it does not possess sufficient historical or architectural significance to merit listing in the Local, State or Federal level of Historic Resources. See Exhibit 2.

A more recent preliminary survey prepared by Historic Resources Group for South Glendale, identified the property at 361 Myrtle Street as a "5S3" Status Code – appears to be individually eligible for local listing or designation. Therefore, demolition of the property at 361 Myrtle Street could have a significant environmental impact with regards to historical resources. As a result, demolition of 361 W. Myrtle could result in a potentially significant impact requiring the preparation of an Environmental Impact Report.

2) ***Cause a substantial adverse change in the significance of an archaeological resource pursuant to CEQA Guidelines §15064.5?***

Less Than Significant Impact. The project site has already been developed and disrupted. Any archaeological resources, which may have existed at one time (on or beneath the site), have likely been previously disturbed. Nonetheless, construction activities associated with project implementation would have the potential to unearth undocumented resources. In the event that archaeological resources are unearthed during project subsurface activities, all earth-disturbing work within a 100-meter radius must be temporarily suspended or redirected until an archaeologist has evaluated the nature and significance of the find. After the find has been appropriately mitigated, work in the area may resume. With implementation of this standard requirement, no significant impact is anticipated.

Mitigation Measures: No mitigation measures are required.

3) ***Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?***

Less Than Significant Impact. The project site has already been subject to disruption and development. Any superficial paleontological resources which may have existed at one time on the project site have likely been previously unearthed by past development activities. Nonetheless, there is a possibility that paleontological resources may exist at deep levels and could be unearthed with implementation of the proposed project. In the event that paleontological resources are unearthed during the proposed project-related subsurface activities, all earth-disturbing work within a 100-meter radius must be temporarily suspended or redirected until a paleontologist has evaluated the nature and significance of the find. After the find has been appropriately mitigated, work in the area may resume. With implementation of this standard requirement, no significant impact is anticipated.

Mitigation Measures: No mitigation measures are required.

4) ***Disturb any human remains, including those interred outside of formal cemeteries?***

Less Than Significant Impact. No known burial sites exist within the vicinity of the project site or surrounding area. Nonetheless, if human remains are encountered during excavation and grading activities, State Health and Safety Code Section 7050.5 requires that no further disturbance shall occur until the County coroner has made the necessary findings as to origin and disposition pursuant to Public Resources Code Section 5097.98. If the remains are determined to be of Native American descent, the coroner has 24 hours to notify the Native American Heritage Commission (NAHC). The NAHC will then contact the most likely descendant of the deceased Native American, who will then serve as a consultant on how to proceed with the remains (i.e., avoid removal or reburial). With implementation of this standard requirement, no significant impact is anticipated.

Mitigation Measures: No mitigation measures are required.

F. GEOLOGY AND SOILS

<i>Would the project:</i>	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
1. Expose people or structures to potential substantial adverse effects, including the risk of loss, injury, or death involving:				
i) Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42.			X	
ii) Strong seismic ground shaking?			X	
iii) Seismic-related ground failure, including liquefaction?				X
iv) Landslides?				X
2. Result in substantial soil erosion or the loss of topsoil?			X	
3. Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction or collapse?			X	
4. Be located on expansive soil, as defined in Table 18-1-B of the California Building Code (2001), creating substantial risks to life or property?			X	
5. Have soils incapable of adequately supporting the use of septic tanks or alternative waste water disposal systems where sewers are not available for the disposal of waste water?				X

1) **Expose people or structures to potential substantial adverse effects, including the risk of loss, injury, or death involving:**

i) **Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42.**

Less Than Significant Impact. The project site is not within an established Alquist-Priolo Fault Zone for surface fault rupture hazards. Based on the available geologic data, active or potentially active faults with the potential for surface fault rupture are not known to be located directly beneath or projecting toward the project site. Therefore, the potential for surface rupture as a result of fault plane displacement during the design life of the project is less than significant.

Mitigation Measures: No mitigation measures are required.

ii) **Strong seismic ground shaking?**

Less than Significant Impact. The project site could be subject to strong ground shaking in the event of an earthquake originating along one of the faults listed as active or potentially active in the

Southern California area. This hazard exists throughout Southern California and could pose a risk to public safety and property by exposing people, property, or infrastructure to potentially adverse effects, including strong seismic ground shaking. Compliance with applicable building codes would minimize structural damage to buildings and ensure safety in the event of a moderate or major earthquake. Therefore, impacts related to strong seismic ground shaking would be less than significant.

Mitigation Measures: No mitigation measures are required.

iii) Seismic-related ground failure, including liquefaction?

No Impact. As identified in the City of Glendale General Plan Safety Element, the project site is not located within a mapped liquefaction hazard zone. Therefore, no impacts related to liquefaction would occur.

Mitigation Measures: No mitigation measures are required.

iv) Landslides?

No Impact. As identified in the City of Glendale General Plan Safety Element, the project site is not located within a mapped landside hazard zone. Therefore, no impacts related to landslides would occur.

Mitigation Measures: No mitigation measures are required.

2) Result in substantial soil erosion or the loss of topsoil?

Less Than Significant Impact. Construction activity associated with the proposed project development may result in wind and water driven erosion of soils due to grading activities if soil is stockpiled or exposed during construction. However, this impact is considered short-term in nature since the site would be covered with pavement and landscaping upon completion of construction activity. Further, as part of the proposed project, the applicant would be required to adhere to conditions under the National Pollutant Discharge Elimination System (NPDES) Permit set forth by the Regional Water Quality Control Board (RWQCB), and prepare and submit a Storm Water Pollution Prevention Plan (SWPPP) to be administered throughout construction. The SWPPP would incorporate Best Management Practices (BMPs) to ensure that impacts from erosion during construction would be reduced to less than significant.

Mitigation Measures: No mitigation measures are required.

3) Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in an onsite or off-site landslide, lateral spreading, subsidence, liquefaction or collapse?

Less Than Significant Impact. As identified in the City of Glendale General Plan Safety Element, the project site is not located within a mapped liquefaction hazard zone. The relatively flat topography of the project site precludes both stability problems and the potential for lurching, which is earth movement at right angles to a cliff or steep slope during ground shaking. As previously discussed, the project is not subject to hazards such as landslides and liquefaction.

Ground surface subsidence generally results from the extraction of fluids or gas from the subsurface that can result in a gradual lowering of the ground level. No regional subsidence as a result of groundwater pumping has been reported in the Glendale area. Therefore, the potential for ground collapse and other adverse effects due to subsidence on the project site is considered low.

In order to minimize damage due to geologic hazards, design and construction of the proposed project would comply with applicable building codes. Therefore, impacts related to exposure to hazards including landslides, lateral spreading, subsidence, liquefaction and collapse would be less than significant.

Mitigation Measures: No mitigation measures are required.

4) Be located on expansive soil, as defined in Table 18-1-B of the California Building Code (2001), creating substantial risks to life or property?

Less Than Significant Impact. The soils underlying the project site and surrounding area are considered to have a low expansion potential. Additionally, in order to minimize damage due to geologic hazards, design and construction of the proposed project would comply with applicable building codes. Therefore, impacts related to expansive soil would be less than significant.

Mitigation Measures: No mitigation measures are required.

5) Have soils incapable of adequately supporting the use of septic tanks or alternative waste water disposal systems where sewers are not available for the disposal of waste water?

No Impact. Septic tanks will not be used for the proposed project. The proposed project would connect to and use the existing sewage conveyance system. No impact would occur.

Mitigation Measures: No mitigation measures are required.

G. GREENHOUSE GAS EMISSIONS

<i>Would the project:</i>	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
1. Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?			X	
2. Conflict with any applicable plan, policy or regulation of an agency adopted for the purpose of reducing the emissions of greenhouse gases?			X	

1) Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?

Less Than Significant Impact. Greenhouse Gas (GHG) Emissions are said to result in an increase in the earth's average surface temperature commonly referred to as global warming. This rise in global temperature is associated with long-term changes in precipitation, temperature, wind patterns and other elements of the earth's climate system, known as climate change. These changes are now broadly attributed to GHG emissions, particularly those emissions that result from the human production and use of fossil fuels.

Climate changes resulting from GHG emissions could produce an array of adverse environmental impacts including water supply shortages, severe drought, increased flooding, sea level rise, air pollution from increased formation of ground level ozone and particulate matter, ecosystem changes, increased wildfire risk, agricultural impacts, ocean and terrestrial species impacts, among other adverse effects.

In 2006, the State passed the Global Warming Solutions Act of 2006, commonly referred to as AB 32, which set the greenhouse gas emissions reduction goal for the State of California into law. GHG as defined under AB 32 includes: carbon dioxide, methane, nitrous oxide, hydrofluorocarbons, perfluorocarbons, and sulfur hexafluoride. AB 32 requires the California Air Resources Board (CARB), the State agency charged with regulating statewide air quality, adopt rules and regulations that would achieve greenhouse gas emissions equivalent to statewide levels in 1990 by 2020 by

reducing greenhouse gas emissions from significant sources via regulation, market mechanisms, and other actions.

Senate Bill 375 (SB 375), passed in 2008, links transportation and land use planning with global warming. It requires the California Air Resources Board (ARB) to set regional targets for the purpose of reducing greenhouse gas emissions from passenger vehicles. Under this law, if regions develop integrated land use, housing and transportation plans that meet SB 375 targets, new projects in these regions can be relieved of certain review requirements under CEQA. The Southern California Association of Governments (SCAG) has prepared the region's Sustainable Communities Strategy (SCS), which is part of the Regional Transportation Plan (RTP). Glendale has an adopted Greener Glendale Plan which meets regional greenhouse gas reduction targets, as established by SCAG and adopted by the ARB. The Greener Glendale Plan uses land use development patterns, transportation infrastructure investments, transportation measures and other policies that are determined to be feasible to reduce GHG.

At this time no air agency, including the SCAQMD, has adopted applicable project-level significance thresholds for GHGs emissions. AB 32 did not set a significance threshold for GHG emissions, although EPA, CARB or another agency may issue regulations at some point which may set forth significance criteria for CEQA analysis. In the interim, none of the CEQA Guidelines, the CEQA Air Quality Handbook, the Air Quality Management Plan, or the SCAQMD set forth applicable significance thresholds for GHG emissions.

Due to the complex physical, chemical and atmospheric mechanisms involved in global climate change, there is no basis for concluding that the project's very small and essentially temporary (primarily from construction) increase in emissions could cause a measurable increase in global GHG emissions necessary to force global climate change.

CEQA Guidelines Section 15130(f) clarifies that the effects of GHG emissions are cumulative and should be analyzed in the context of CEQA's requirements for cumulative impact analysis. CEQA Guidelines Section 15064.4 recommends consideration of qualitative factors that may be used in the determination of significance, including the extent to which the project complies with regulations or requirements adopted to implement a reduction or mitigation of GHGs. Per CEQA Guidelines Section 15064(h)(3), a project's incremental contribution to a cumulative impact can be found not cumulatively considerable if the project will comply with an approved plan or mitigation program that provides specific requirements that will avoid or substantially lessen the cumulative problem within the geographic area of the project. Examples of such programs include "plans or regulations for the reduction of greenhouse gas emissions."

Since this Project is consistent with Greener Glendale Strategies to reduce GHGs and the SCS prepared by SCAG consequently, this project would result in a less than cumulatively considerable impact on GHG emissions and no mitigation is required.

Mitigation Measures: No mitigation measures are required.

2) ***Conflict with any applicable plan, policy or regulation of an agency adopted for the purpose of reducing the emissions of greenhouse gases?***

Less Than Significant Impact. For the reasons discussed in Response G.1 above, the Project would not conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases. No significant impacts are anticipated.

Mitigation Measures: No mitigation measures are required.

H. HAZARDS AND HAZARDOUS MATERIALS

<i>Would the project:</i>	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
1. Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?				X
2. Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?			X	
3. Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?				X
4. Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?				X
5. For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard for people residing or working in the project site?				X
6. For a project within the vicinity of a private airstrip, would the project result in a safety hazard for people residing or working in the project site?				X
7. Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?				X
8. Expose people or structures to a significant risk of loss, injury or death involving wildland fires, including where wildlands are adjacent to urbanized areas or where residences are intermixed with wildlands?				X

1) Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?

No Impact. The project involves the development of residential uses. Such uses do not generally involve the routine use, transport, or disposal of significant amounts of hazardous materials. No new hazardous materials will be generated at the site. No impacts would occur.

Mitigation Measures: No mitigation measures are required.

2) Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?

Less Than Significant Impact. Development of the project site will require demolition of all existing structures on-site. Structures constructed, repaired or remodeled between 1930 and 1981 have the potential of containing "Asbestos Containing Building Materials". In addition, buildings constructed prior to 1978 may contain lead based paints. Testing and removal of lead-based paints is subject to regulation established by the Environmental Protection Agency (EPA). The proposed project could

create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment. As such, the existing structures are required to be tested in accordance with applicable rules and regulations and remediated accordingly prior to demolition. Compliance with the applicable rules and regulations would ensure that significant impacts are reduced to a less than significant level.

Mitigation Measures: No mitigation measures are required.

- 3) ***Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?***

No Impact. The closest school is Columbus Elementary School (425 W Milford St, Glendale, CA 91203), located 0.4 miles from the project site. However, the project would not emit any new hazardous emissions or handle hazardous materials since residential uses are proposed. No impact would occur.

The project would be required to comply with all applicable rules established by the SCAQMD, included Rule 403 and 402, during the construction phase of the project that would prevent dust from migrating beyond the project site. Further, all asbestos containing materials and lead based paints would be removed from the existing buildings in conformance with applicable laws, which include the development of a hazardous substance removal plan. Therefore, no significant impacts are anticipated to occur as a result of the proposed project.

Mitigation Measures: No mitigation measures are required.

- 4) ***Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?***

No Impact. The project site is not included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5. In addition, the project site has been developed with residential uses since the early to mid-1900's. No impacts would occur.

Mitigation Measures: No mitigation measures are required.

- 5) ***For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard for people residing or working in the project site?***

No Impact. The proposed project site is not located within an airport land use plan or within two miles of a public airport or public use airport. The closest public airport or public use airport to the project site is the Burbank-Glendale-Pasadena Airport located approximately seven miles to the northwest. No impacts would occur.

Mitigation Measures: No mitigation measures are required.

- 6) ***For a project within the vicinity of a private airstrip, would the project result in a safety hazard for people residing or working in the project site?***

No Impact. The project site is not within the vicinity of a private airstrip. No impact would occur.

Mitigation Measures: No mitigation measures are required.

- 7) ***Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?***

No Impact. There is no "City Disaster Response Route" located on any streets adjacent to the project site. The nearest designated street is Brand Boulevard, as identified in the City of Glendale General Plan Safety Element (August 2003). The proposed project does not involve any changes to

Brand Boulevard, nor would the project result in the alteration of an adopted emergency response plan or evacuation plan. As such, no impacts to emergency response plans or emergency evacuation plans would occur as a result of the proposed project.

Mitigation Measures: No mitigation measures are required.

8) Expose people or structures to a significant risk of loss, injury or death involving wildland fires, including where wildlands are adjacent to urbanized areas or where residences are intermixed with wildlands?

No Impact. The project site and surrounding area are characterized by features typical of the urban landscape. The project site is not within a fire hazard area as identified in the City of Glendale General Plan Safety Element. No impact would occur.

Mitigation Measures: No mitigation measures are required.

I. HYDROLOGY AND WATER QUALITY

<i>Would the project:</i>	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
1. Violate any water quality standards or waste discharge requirements?			X	
2. Substantially deplete groundwater supplies or interfere substantially with groundwater recharge such that there would be a net deficit in aquifer volume or a lowering of the local groundwater table level (e.g., the production rate of pre-existing nearby wells would drop to a level which would not support existing land uses or planned uses for which permits have been granted)?			X	
3. Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of stream or river, in a manner which would result in substantial erosion or siltation on- or off-site?			X	
4. Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, or substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or off-site?			X	
5. Create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff?			X	
6. Otherwise substantially degrade water quality?			X	
7. Place housing within a 100-year flood hazard area as mapped on a federal Flood Hazard Boundary or Flood Insurance Rate Map or other flood hazard delineation map?				X
8. Place within a 100-year flood hazard area structures which would impede or redirect flood flows?				X
9. Expose people or structures to a significant risk of loss, injury or death involving flooding, including flooding as a result of the failure of a levee or				X

<i>Would the project:</i>	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
dam?				
10. Inundation by seiche, tsunami, or mudflow?				X

1) **Violate any water quality standards or waste discharge requirements?**

Less Than Significant Impact. Under Section 402 of the Clean Water Act, the U.S. Environmental Protection Agency (EPA) has established regulations under the National Pollutant Discharge Elimination System (NPDES) program to control direct storm water discharges. In City of Glendale, the Los Angeles Regional Water Quality Control Board (RWQCB) administers the NPDES permitting program and is responsible for developing NPDES permitting requirements. The NPDES program regulates industrial pollutant discharges that include construction activities. Implementation of the proposed project will require compliance with all the NPDES requirements including the submittal and certification of plans and details showing both construction and post-construction Best Management Practices (BMPs) that are integrated into the design of the project. The submittal of a Standard Urban Stormwater Mitigation Plan (SUSMP), as approved by the City Engineer, will also be required to be integrated into the design of the project. Therefore, implementation of the proposed project is not expected to violate any water quality standards or waste water discharge requirements since the project will be required to comply with applicable permitting requirements. No significant impacts are anticipated.

Mitigation Measures: No mitigation measures are required.

2) **Substantially deplete groundwater supplies or interfere substantially with groundwater recharge such that there would be a net deficit in aquifer volume or a lowering of the local groundwater table level (e.g., the production rate of pre-existing nearby wells would drop to a level which would not support existing land uses or planned uses for which permits have been granted)?**

Less Than Significant Impact. Currently, the City utilizes water from Glendale Water and Power (GWP), which relies on some local groundwater supplies. Consequently, implementation of the proposed project would result in additional development that could indirectly require an increased use of groundwater through the provision of potable water by GWP. However, as discussed in Response Q-4 below, the proposed project's water demand is within water projections. Groundwater to be consumed within Glendale would be utilized according to current plans and projections for GWP groundwater supplies. As a result, implementation of the proposed project would not substantially deplete groundwater supplies. Further, the proposed project would not extract groundwater on an operational basis.

The project site is currently developed and, therefore, does not serve as a primary area of groundwater recharge within the San Fernando or Verdugo Basins, which are both located within the City of Glendale. Consequently, impacts related to groundwater extraction and recharge will be less than significant.

Mitigation Measures: No mitigation measures are required.

- 3) ***Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of stream or river, in a manner, which would result in substantial erosion or siltation on- or off-site?***

Less Than Significant Impact. The project site is served by an existing storm water collection and conveyance system. The quantity of runoff would not change substantially with implementation of the proposed project since the project site is currently developed. All runoff would continue to be conveyed via streets, alleys and gutters to storm drain locations around the project site. Water that falls on the site either is absorbed into the ground on-site or is directed to Myrtle Street. As a result, the proposed project would not require any substantial changes to the existing drainage pattern of the site or the area, nor would it affect the capacity of the existing storm drain system. Impacts to drainage patterns would be less than significant.

Mitigation Measures: No mitigation measures are required.

- 4) ***Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, or substantially increase the rate or amount of surface runoff in a manner, which would result in flooding on- or off-site?***

Less Than Significant Impact. The proposed project would not alter the course of a stream or river. Flood hazards due to heavy precipitation can result in inundation of developed areas due to overflow of nearby stream courses or from inadequate local storm drain facilities, if not sized to accommodate large storm events. However, the City has developed a flood control system that provides protection for its residents. The amount of surface runoff would increase as a result of the project; however, the increase would not be substantial. In addition, no Federal Emergency Management Agency (FEMA)-designated flood zones are located within the project site as indicated in the City of Glendale General Plan Safety Element (August 2003). Therefore, flooding impacts would be less than significant.

Mitigation Measures: No mitigation measures are required.

- 5) ***Create or contribute runoff water which would exceed the capacity of existing or planned storm water drainage systems or provide substantial additional sources of polluted runoff?***

Less Than Significant Impact. Please refer to Response I-3 above. The amount of impervious surfaces would increase resulting in an increase in runoff from the site; however, the increase would not be substantial. Impacts from runoff as a result of the proposed project are anticipated to be less than significant.

Mitigation Measures: No mitigation measures are required.

- 6) ***Otherwise substantially degrade water quality?***

Less Than Significant Impact. Please refer to Response I-3 above.

Mitigation Measures: No mitigation measures are required.

- 7) ***Place housing within a 100-year flood hazard area as mapped on a federal Flood Hazard Boundary or Flood Insurance Rate Map or other flood hazard delineation map?***

No Impact. According to Federal Emergency Management Agency flood hazard maps, the project site is not located within a 100-year flood zone; therefore, the proposed project would not place housing within a 100-year flood hazard area or result in structures being constructed that would impede or redirect flood flows. The proposed project would not be subject to flooding, and, therefore, no impact would occur.

Mitigation Measures: No mitigation measures are required.

8) **Place within a 100-year flood hazard area structures which would impede or redirect flood flows?**

No Impact. As indicated in Response I-7 above, the project site is not located within a 100-year floodplain or other flood hazard area, as shown on the latest FEMA Flood Insurance Rate Map. No impacts would occur.

Mitigation Measures: No mitigation measures are required.

9) **Expose people or structures to a significant risk of loss, injury or death involving flooding, including flooding as a result of the failure of a levee or dam?**

No Impact. There are seven dams located within the City of Glendale. According to the City of Glendale General Plan Safety Element, the proposed project is not located within the inundation zone of this dam or other dams located within the City or elsewhere. No impacts would occur.

Mitigation Measures: No mitigation measures are required.

10) **Inundation by seiche, tsunami, or mudflow?**

No Impact. The project site is not within a coastal area. Therefore, tsunamis (seismic sea waves) are not considered a significant hazard at the site. In addition, the project site is not located downslope of any large bodies of water that could adversely affect the site in the event of earthquake-induced seiches, which are wave oscillations in an enclosed or semi-enclosed body of water. Therefore, no impact related to inundation by seiche, tsunami, or mudflow would result from implementation of the proposed project.

Mitigation Measures: No mitigation measures are required.

J. **LAND USE AND PLANNING**

Would the project:	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
1. Physically divide an established community?				X
2. Conflict with any applicable land use plan, policy, or regulation of an agency with jurisdiction over the project (including, but not limited to the general plan, specific plan, local coastal program, or zoning ordinance) adopted for the purpose of avoiding or mitigating an environmental effect?				X
3. Conflict with any applicable habitat conservation plan or natural community conservation plan?				X

1) **Physically divide an established community?**

No Impact. The project site is currently developed with a single-family dwelling and garage on each lot, 361 and 365 Myrtle Street. All of these buildings will be demolished as part of the project. The project site is surrounded other lots zoned R-1250 (High Density Residential) and developed with primarily multi-family residential structures, varying from one to three stories in height (low to high density). While the proposed three-story building will be taller than the existing and the adjacent two-story multi-family and single-story residential buildings, the proposed height is permitted by Code and the adjacent parcels have the potential to be redeveloped with similar building volumes. The project site is in close proximity to (within half a block of) Downtown Glendale, an area that contains office, commercial, and mixed-use development. The proposed project is consistent with the

development pattern in the area and the permitted zoning, and compatible with the other buildings. No established community would be divided as a result of the project. No impacts would occur.

Mitigation Measures: No mitigation measures are required.

- 2) **Conflict with any applicable land use plan, policy, or regulation of an agency with jurisdiction over the project (including, but not limited to the general plan, specific plan, local coastal program, or zoning ordinance) adopted for the purpose of avoiding or mitigating an environmental effect?**

No Impact. The zoning designation on the project site is R-1250 (High Density Residential) Zone and the General Plan designation is High Density Residential. The proposed project complies with the Land Use Element of the General Plan, as well as the zoning standards including density, height, landscape/open space, and parking. The new 12-units project will comply with the allowable density per the Zoning Code for R-1250 zoned lots greater than 90 feet in width at a density of one unit for every 1,000 square feet minimum of lot area; additional open space for such density is provided. No significant impacts associated with applicable land use plans and policies would occur.

Mitigation Measures: No mitigation measures are required.

- 3) **Conflict with any applicable habitat conservation plan or natural community conservation plan?**

No Impact. There is no habitat conservation plan or natural community conservation plan in the project site or vicinity. As such, the implementation of the proposed project could not conflict with any such plans. No impacts would occur.

Mitigation Measures: No mitigation measures are required.

K. MINERAL RESOURCES

<i>Would the project:</i>	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
1. Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state?				X
2. Result in the loss of availability of a locally-important mineral resource recovery site delineated on a local general plan, specific plan or other land use plan?				X

- 1) **Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state?**

No Impact. The project site is located in an area containing mineral deposits the significance of which cannot be evaluated from available data as indicated in the City's Open Space and Conservation Element (January 1993). Although data evaluating deposits is not available, the project site is zoned for residential. Additionally, the area has been previously developed. No impact would occur. As a result, no impact would occur.

Mitigation Measures: No mitigation measures are required.

2) **Result in the loss of availability of a locally-important mineral resource recovery site delineated on a local general plan, specific plan or other land use plan?**

No Impact. As indicated in Response K-1 above, there are no known mineral resources within the project site. No impacts would occur.

Mitigation Measures: No mitigation measures are required.

L. **NOISE**

Would the project:	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
1. Exposure of persons to or generation of noise levels in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?			X	
2. Exposure of persons to or generation of excessive groundborne vibration or groundborne noise levels?			X	
3. A substantial permanent increase in ambient noise levels in the project vicinity above levels existing without the project?			X	
4. A substantial temporary or periodic increase in ambient noise levels in the project vicinity above levels existing without the project?			X	
5. For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project site to excessive noise levels?				X
6. For a project within the vicinity of a private airstrip, would the project expose people residing or working in the project site to excessive noise levels?				X

1) **Exposure of persons to or generation of noise levels in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?**

Less Than Significant Impact. The proposed project involves demolishing the existing buildings and constructing a new, 3-story multi-family residential project. The total number of dwelling units on-site will be 12. This type of use is permitted on the subject site. Surrounding land uses include other multi-family buildings and some remaining single-family residences. As shown in the City's Noise Element, the project site is located in an area where the ambient noise contour ranges from 60 CNEL to 65 CNEL as shown on the map of the 2030 Noise Contours, Exhibit 2 of the City's Noise Element. Table 1 of the Noise Element indicates that residential multi-family projects are "Conditionally Acceptable" in areas where the noise levels are between 60 and 70 CNEL. The new project would be constructed to reduce interior noise to acceptable levels. The project's design also includes private patios and balconies facing the front and side yards. While these patios and balconies are private and serve only the unit it is attached to, they do not offer complete expectation of privacy as one would associate with the term private or privacy due to their location. While the proposed building will produce a more intensive use than the existing condition, it is not anticipated to generate noise in excess of the limits contained in the Noise Element. No significant impacts are anticipated.

Mitigation Measures: No mitigation measures are required.

2) ***Exposure of persons to or generation of excessive groundborne vibration or groundborne noise levels?***

Less Than Significant Impact. Excessive groundborne vibration is typically associated with activities such as blasting used in mining operations, or the use of pile drivers during construction. The project would not require any blasting activities and any earth movement associated with project construction is not anticipated to require pile driving. Structural support required for the development of the project would be installed by drilling bore holes, installing steel I-beams, and grouting with concrete. Therefore, the project is not expected to generate excessive groundborne vibration or groundborne noise levels. No significant impacts are anticipated.

Mitigation Measures: No mitigation measures are required.

3) ***A substantial permanent increase in ambient noise levels in the project vicinity above levels existing without the project?***

Less Than Significant Impact. As indicated in Response L-1 above, significant noise impacts are not anticipated to result from the long-term operation of the proposed project.

Mitigation Measures: No mitigation measures are required.

4) ***A substantial temporary or periodic increase in ambient noise levels in the project vicinity above levels existing without the project?***

Less Than Significant Impact. A temporary periodic increase in ambient noise would occur during construction activities associated with the proposed project. Noise from the construction activities would be generated by vehicles and equipment involved during various stages of construction operations: demolition, site grading, foundation, and building construction. The noise levels created by construction equipment will vary depending on factors such as the type of equipment and the specific model, the mechanical/operational condition of the equipment and the type of operation being performed.

Construction associated with the project will be required to comply with the City of Glendale Noise Ordinance (Municipal Code Chapter 8.36), which prohibits construction activities to between the hours of 7:00 p.m. on one day and 7:00 a.m. of the next day or from 7:00 p.m. on Saturday to 7:00 a.m. on Monday or from 7:00 p.m. preceding a holiday. Compliance with the City's Noise Ordinance would ensure that no significant impacts would occur.

Mitigation Measures: No mitigation measures are required.

5) ***For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project site to excessive noise levels?***

No Impact. The project site is neither located within an airport land use plan nor is it located within two miles of a public airport or public use airport. The closest public airport or public use airport to the Project site is the Burbank Hollywood Airport located about seven miles to the northwest. Consequently, no impacts associated with excessive airport noise levels would result.

Mitigation Measures: No mitigation measures are required.

6) ***For a project within the vicinity of a private airstrip, would the project expose people residing or working in the project site to excessive noise levels?***

No Impact. The project site is not within the vicinity of a private airstrip. No impacts would occur.

Mitigation Measures: No mitigation measures are required.

M. POPULATION AND HOUSING

Would the project:	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
1. Induce substantial population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?			X	
2. Displace substantial numbers of existing housing, necessitating the construction of replacement housing elsewhere?				X
3. Displace substantial numbers of people, necessitating the construction of replacement housing elsewhere?				X

1) Induce substantial population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?

Less Than Significant. The proposed project involves the development of 12 new multi-family dwelling units, in conjunction with the demolition of the two existing dwelling units on-site. As a result of the proposed project, there will be a net increase of ten residential dwelling units. The proposed 12-unit residential project is consistent with the residential densities prescribed in the Land Use Element. The subject site is zoned R-1250 with a General Plan Land Use Designation of High Density Residential. The subject site is surrounded by other multi-family residences. The project is consistent with the zoning and land use designation of the area and, therefore, is not considered growth inducing. No impacts would occur.

Mitigation Measures: No mitigation measures are required.

2) Displace substantial numbers of existing housing, necessitating the construction of replacement housing elsewhere?

No Impact. Development of the project would result in the demolition of two single family residential structures and construction of a 12-unit multi-family building. The new project will result in a net increase of 10-units. Therefore, no substantial numbers of existing housing will be displaced. No impacts would occur.

3) Displace substantial numbers of people, necessitating the construction of replacement housing elsewhere?

No Impact. Please refer to Response M-2 above. No further impacts would occur.

Mitigation Measures: No further mitigation measures are required.

N. PUBLIC SERVICES

<i>Would the project:</i>	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
1. Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for any of the public services:				
a) Fire protection?			X	
b) Police protection?			X	
c) Schools?			X	
d) Parks?			X	
e) Other public facilities?			X	

1) **Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for any of the public services:**

a) **Fire protection?**

Less Than Significant Impact. The City of Glendale Fire Department (GFD) provides fire and paramedic services to the project site. The overall need for fire protection and paramedic services is not expected to increase significantly as a result of the proposed project as the project site is located in an urbanized area of the city. The project will be required to comply with the applicable Fire Code, including installation of fire sprinklers, and to submit plans to the Glendale Fire Department at the time building permits are submitted to ensure adequate fire flow protection. No significant impacts are anticipated.

Mitigation Measures: No mitigation measures are required.

b) **Police protection?**

Less Than Significant Impact. The Glendale Police Department (GPD) provides police services to the project site. The proposed project will add a net gain of ten residential dwelling units to the area, as well as the people who will live in these units. The site is located in an urban, developed area of the City. The additional population that this project will bring is anticipated to have less than significant impact to Police services.

Mitigation Measures: No mitigation measures are required.

c) **Schools?**

Less Than Significant Impact The proposed project will have a less than significant impact on schools. Section 65995 of the Government Code provides that school districts can collect a fee for new residential units or additions to existing units to assist in the construction of or addition to

schools. The State has determined that payment of the school fee mitigates any impacts to schools to a level less than significant.

Mitigation Measures: No mitigation measures are required.

d) **Parks?**

Less Than Significant Impact See discussion under Sections O.1 and O.2 below.

Mitigation Measures: No mitigation measures are required.

e) **Other public facilities?**

Less Than Significant Impact. The project site is an already developed infill parcel and can be adequately served by existing public facilities. No significant impacts would occur.

Mitigation Measures: No mitigation measures are required.

O. **RECREATION**

Would the project:	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
1. Would the project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?			X	
2. Does the project include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment?			X	

1) **Would the project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?**

Less Than Significant Impact. The proposed project would develop 12 residential units. The project design provides code required private and common outdoor space which can be used for recreation purposes on the project site including a private patio or balcony for each of the units and common spaces with seating benches and a swing. As a result, no significant increase in demand for existing park or recreational facilities is anticipated.

Also, in accordance with the requirements of the City of Glendale Municipal Code (Ordinance No. 5575), the project applicant will be required to pay a Development Impact Fee to the City for permit issuance. This fee would further alleviate any potential impact associated with recreation.

Mitigation Measures: No mitigation measures are required.

2) **Does the project include recreational facilities or require the construction or expansion of recreational facilities, which might have an adverse physical effect on the environment?**

Less Than Significant Impact. As discussed above, the project is not anticipated to create a significant demand on parks facilities that would require the construction or expansion at existing recreational facilities. Therefore, no significant impacts would occur.

Mitigation Measures: No mitigation measures are required.

P. TRANSPORTATION/TRAFFIC

<i>Would the project:</i>	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
1. Exceed the capacity of the existing circulation system, based on an applicable measure of effectiveness (as designated in a general plan policy, ordinance, etc.), taking into account all relevant components of the circulation system, including but not limited to intersections, streets, highways and freeways, pedestrian and bicycle paths, and mass transit?			X	
2. Conflict with an applicable congestion management program including, but not limited to level of service standards and travel demand measures, or other standards established by the county congestion management agency for designated roads or highways?			X	
3. Result in a change in air traffic patterns, including either an increase in traffic levels or a change in location that results in substantial safety risks?				X
4. Substantially increase hazards due to a design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?				X
5. Result in inadequate emergency access?				X
6. Conflict with adopted policies, plans, or programs supporting alternative transportation (e.g., bus turnouts, bicycle racks)?				X

- 1) **Exceed the capacity of the existing circulation system, based on an applicable measure of effectiveness (as designated in a general plan policy, ordinance, etc.), taking into account all relevant components of the circulation system, including but not limited to intersections, streets, highways and freeways, pedestrian and bicycle paths, and mass transit?**

Less than Significant Impact. The proposed project includes the development of a 12-unit multi-family building that would increase in the number of vehicles using the area streets. Based upon trip generation factors published in Trip Generation, Institute of Transportation Engineers, 8th Edition, 2008, the project would generate fewer than 50 vehicle trips both the weekdays morning peak hour (typically occurring between 7 a.m. and 9 a.m.) and the weekday evening peak hour (typically occurring between 4 p.m. and 6 pm.). Because the project's peak hour-hour trip generation would not exceed the established threshold of 50 vehicle trips, no significant and adverse impacts on the area street system is anticipated.

Mitigation Measures: No mitigation measures are required.

- 2) **Conflict with an applicable congestion management program including, but not limited to level of service standards and travel demand measures, or other standards established by the county congestion management agency for designated roads or highways?**

Less than Significant Impact. As discussed above in Response P-1, the proposed project is not anticipated to result in any significant increase in traffic on the area roadway network. Therefore, impacts are anticipated to be less than significant.

Mitigation Measures: No mitigation measures are required.

3) **Result in a change in air traffic patterns, including either an increase in traffic levels or a change in location that results in substantial safety risks?**

No Impact. The project site is not located within an airport land use plan or within the vicinity of a private air strip. No impacts on air traffic patterns would occur.

Mitigation Measures: No mitigation measures are required.

4) **Substantially increase hazards due to a design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?**

No Impact. The proposed project would not result in any changes to the existing roadway network. No impacts would occur.

Mitigation Measures: No mitigation measures are required.

5) **Result in inadequate emergency access?**

No Impact. The project does not involve changes to the existing street network or to existing emergency response plans. No impacts would occur.

Mitigation Measures: No mitigation measures are required.

6) **Conflict with adopted policies, plans, or programs supporting alternative transportation (e.g., bus turnouts, bicycle racks)?**

No Impact. The Los Angeles County Metropolitan Transportation Authority and Glendale Beeline provide bus service within the City of Glendale. The proposed project would not conflict with any adopted policies, plans, or programs regarding alternative transportation, since no changes to the existing transportation policies, plans, or programs are proposed. No impacts would occur.

Mitigation Measures: No mitigation measures are required.

Q. TRIBAL CULTURAL RESOURCES

Would the project:	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
1. Would the project cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code Section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and this is:				
i) Listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code Section 5020.1(k), or			X	
ii) A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision			X	

<i>Would the project:</i>	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
(c) of Public Resources Code Section 5024.1. In applying the criteria set forth in subdivision (c) of Public Resources Code Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe.				

1) **Would the project cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code Section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and this is:**

i) **Listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code Section 5020.1(k), or Less Than Significant Impact.** The project site has been developed with residential resources since the early 1920s. No known tribal resource is located on the project site. In the event that resources are unearthed during project subsurface activities, all earth-disturbing work must be temporarily suspended or redirected until Native American Heritage Commission (NAHC) has evaluated the nature and significance of the find. After the find has been appropriately mitigated, work in the area may resume. With implementation of this standard requirement, no significant impact is anticipated.

Mitigation Measures: No mitigation measures are required.

ii) **A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code Section 5024.1. In applying the criteria set forth in subdivision (c) of Public Resources Code Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe.**

Less than Significant Impact. No resources have been identified on the project site pursuant to criteria set forth in subdivision (c) of Public Resources Code Section 5024.1. Therefore, no significant impact to tribal cultural resource is anticipated.

Mitigation Measures: No mitigation measures are required.

R. UTILITIES AND SERVICE SYSTEMS

<i>Would the project:</i>	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
1. Exceed wastewater treatment requirements of the applicable Regional Water Quality Control Board?			X	
2. Require or result in the construction of new water or wastewater treatment facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?				X

<i>Would the project:</i>	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
3. Require or result in the construction of new storm water drainage facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?				X
4. Have sufficient water supplies available to serve the project from existing entitlements and resources, or are new or expanded entitlements needed?			X	
5. Result in a determination by the wastewater treatment provider which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?				X
6. Be served by a landfill with sufficient permitted capacity to accommodate the project's solid waste disposal needs?			X	
7. Comply with federal, state, and local statutes and regulations related to solid waste?				X

1) **Exceed wastewater treatment requirements of the applicable Regional Water Quality Control Board?**

Less Than Significant Impact. Under Section 401 of the Clean Water Act (CWA) the Regional Water Quality Control Board (RWQCB) issues National Pollutant Discharge Elimination System (NPDES) permits to regulate waste discharged to "waters of the nation," which includes reservoirs, lakes and their tributary waters. Waste discharges include discharges of stormwater and construction project discharges. In addition, the project will be required to submit a Standard Urban Stormwater Mitigation Plan (SUSMP) to mitigate urban storm water runoff. Prior to the issuance of building permits, the project applicant will be required to satisfy the requirements related to the payment of fees and/or provisions of adequate wastewater facilities. Because the project will comply with the waste discharge prohibitions and water quality objectives established by the RWQCB, impacts are considered to be less than significant.

Mitigation Measures: No mitigation measures are required.

2) **Require or result in the construction of new water or wastewater treatment facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?**

No Impact. No new sources of water supply, such as groundwater, are required to meet the proposed project's water demand. Water serving the proposed project would be treated by existing extraction and treatment facilities, and no new facilities, or expansion of existing facilities, would be required. Therefore, no impact would occur.

Mitigation Measures: No mitigation measures are required.

3) **Require or result in the construction of new storm water drainage facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?**

No Impact. The project site is currently developed with two single-family houses, and associated garages. The amount of impervious surfaces is not expected to significantly change with the implementation of the proposed project. Therefore, no impacts would occur.

Mitigation Measures: No mitigation measures are required.

4) ***Have sufficient water supplies available to serve the project from existing entitlements and resources, or are new or expanded entitlements needed?***

Less than Significant Impact. Glendale Water and Power provides water service for domestic, irrigation, and fire protection purposes to the City of Glendale. The City has four sources of water to meet existing and projected water demands. These sources consist of water imported from the Metropolitan Water District (MWD), groundwater from the San Fernando Groundwater Basin and the Verdugo Groundwater Basin, and recycled water.

The City of Glendale uses approximately 33,000 acre-feet of water on an annual basis. Of this total, approximately 78 percent is provided by the MWD, 12 percent is pumped from the San Fernando Groundwater Basin, 6 percent is pumped from the Verdugo Groundwater Basin, and the remaining four percent is supplied by the City's water reclamation system.

Due to an increasing reliance on local resources, the amount of water the City would purchase from MWD to meet demand is projected to remain stable or slightly increase between the present time and the year 2025. However, MWD water would continue to be the main source of supply for the City. Based on available water supplies, the MWD has indicated that it can meet 100 percent of its member agencies' needs over the next 20 years.

Overall the status of Glendale's water supply is highly reliable. The San Fernando and Verdugo Basins, to which Glendale possesses water rights, are managed under court order by a court-appointed watermaster in order to preserve water levels in these basins, thereby, assuring reliability of those in possession of pumping rights. Glendale is one of the original member agencies of the MWD, and has reliably received water from it over 60 years, and would continue to receive water from MWD into the future. Additionally, Glendale has a sizable source of reclaimed water available to it, and has recently completed a reclaimed water distribution system. The use of reclaimed water is important, as it frees portable water in Glendale's system to be used to satisfy other water users. These water sources enable the City to meet all its projected demands, including those of the proposed project. Consequently, this impact is considered to be less than significant.

Mitigation Measures: No mitigation measures are required.

5) ***Result in a determination by the wastewater treatment provider, which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?***

No Impact. See response provided under Section Q-2.

Mitigation Measures: No mitigation measures are required.

6) ***Be served by a landfill with sufficient permitted capacity to accommodate the project's solid waste disposal needs?***

Less Than Significant Impact. The majority of solid waste generated in the City of Glendale is transported to Scholl Canyon Landfill, which is owned by the City. An ordinance passed by the City of Glendale limits disposal at the landfill to solid wastes generated within the Los Angeles County incorporated Cities of Glendale, La Canada Flintridge, Pasadena, South Pasadena, San Marino, Sierra Madre; the Los Angeles County unincorporated communities known as Altadena, La Crescenta, Montrose; the unincorporated area bordered by the Cities of San Gabriel, Rosemead, Temple City, Arcadia, and Pasadena; the unincorporated area immediately to the north of Arcadia, and Pasadena; and the unincorporated area immediately to the north of the City of San Marino bordered by the City of Pasadena on the west, north and east sides.

Solid waste generation is expected to increase during the construction phase of the project as well as when the future residents move into the residential units. However, the existing solid waste system would be sufficient to accommodate wastes generated during construction. No significant impacts to solid waste facilities are anticipated to occur as a result of the proposed project.

Mitigation Measures: No mitigation measures are required.

7) **Comply with federal, state, and local statutes and regulations related to solid waste?**

No Impact. The proposed project will comply with all federal, state, and local statutes and regulations relating to solid waste. All construction debris will be disposed of according to applicable federal, state, and local statutes. No impacts would occur as a result of the proposed project.

Mitigation Measures: No mitigation measures are required.

S. **MANDATORY FINDINGS OF SIGNIFICANCE**

Would the project:	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
1. Does the project have the potential to degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory?	X			
2. Does the project have impacts that are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects)?			X	
3. Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?			X	

1) **Does the project have the potential to degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory?**

Potentially Significant Impact. The proposed project is located in a developed urban area. No impacts are anticipated to occur to the quality of the environment, fish or wildlife habitats, fish or wildlife populations, plant or animal communities, or to rare, threatened or endangered plant and animal species as a result of the proposed project. The property located at 361 W. Myrtle Street was identified in the City's 2007 Craftsman Survey and listed the structure "6L" – determined ineligible for local listing or designation through local government review process, but may warrant special consideration in local planning. A more recent preliminary survey prepared by Historic Resources Group for South Glendale, identified the property at 361 Myrtle Street as a "5S3" Status Code – appears to be individually eligible for local listing or designation. Therefore, demolition of the property at 361 Myrtle Street could have a significant environmental impact with regards to historical resources.

- 2) ***Does the project have impacts that are individually limited, but cumulatively considerable? (“Cumulatively considerable” means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects)?***

Less Than Significant Impact. Development of the proposed project will not substantially increase traffic nor would it result in a substantial increase in population. The project is consistent with the allowable densities in the zoning code and General Plan. Public facilities are available to accommodate the slight increase in area population.

- 3) ***Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?***

Less Than Significant Impact. Development of the proposed project would not create direct and indirect adverse effects on humans. Many of the less than significant impacts that were identified are considered short-time effects and no significant impacts are anticipated.

13. Earlier Analyses

None

14. Project References Used to Prepare Initial Study Checklist

One or more of the following references were incorporated into the Initial Study by reference, and are available for review in the Community Development Department, 633 E. Broadway, Rm. 103, Glendale, CA 91206-4386. Items used are referred to by number on the Initial Study Checklist.

1. Environmental Information Form application and materials submitted on June 29, 2017.
2. “Historic Resources Evaluation for the Property at 361 Myrtle Street, City of Glendale, California (Project Number 2153-002), date January 3, 2017, Prepared by Sapphos Environmental Inc.
3. “Historic Resources Evaluation for the Property at 361 and 365 Myrtle Street, City of Glendale, California (Project Number 2153-002), date July 25, 2017, Prepared by Sapphos Environmental Inc.
4. The City of Glendale’s General Plan, Open Space and Conservation Element, January 1993.
5. The City of Glendale’s General Plan, Safety Element, August 2003.
6. The City of Glendale’s Municipal Code, as amended.
7. “Guidelines of the City of Glendale for the Implementation of the California Environmental Quality Act of 1970, as amended,” August 19, 2003, City of Glendale Planning Division.
8. Public Resources Code Section 21000 et seq and California Code of Regulations, Title 14 Section 15000 et seq.
9. “CEQA Air Quality Handbook,” April, 1993, South Coast Air Quality Management District.
10. “CEQA Air Quality Analysis Guidance Handbook,” updated October 2003, South Coast Air Quality Management District.
11. Air Quality Analysis, California Emissions Estimator Model (CalEEMod)
12. The City of Glendale’s General Plan, Noise Element, May 2007
13. The City of Glendale’s General Plan, Recreation Element, April 1996



July 25, 2017
Job Number: 2153-002
Historic Resource Evaluation for
361 and 365 Myrtle Street, Glendale, CA 91203

MEMORANDUM FOR THE RECORD

2.6 2153-002.M01

TO: Filmare Capital LLC
(Mr. Tagun Mikaelyan)

FROM: Sapphos Environmental, Inc.
(Ms. Carrie Chasteen)

SUBJECT: Historical Evaluation for 361 and 365 Myrtle Street,
Glendale, CA 91203

ATTACHMENT: A. Primary Record (2007)
B. Key Personnel Resume

Corporate Office:
430 North Halstead Street
Pasadena, CA 91107
TEL 626.683.3547
FAX 626.628.1745

Billing Address:
P.O. Box 655
Sierra Madre, CA 91025
Web site:
www.sapphosenvironmental.com

EXECUTIVE SUMMARY

At the request of the City of Glendale (City) and Filmare Capital LLC (Mr. Tagun Mikaelyan), a prospective applicant, Sapphos Environmental, Inc. conducted a preliminary evaluation of 361 and 365 Myrtle Street, Glendale, Los Angeles County, California (AIN 5637-005-030 and 5637-005-032, respectively), to determine if the subject properties meet the definition of a “historical resource” as defined in Section 15064.5(a) of the California Environmental Quality Act (CEQA) Guidelines. 361 Myrtle Street was assigned a status code of 6L, or “Determined ineligible for local listing or designation through local government review process; may warrant special consideration in local planning” as a result of the 2007 Craftsman Survey and the property located at 365 Myrtle Street has not been previously evaluated. The subject properties were evaluated by Sapphos Environmental, Inc. (Ms. Carrie Chasteen) to determine if they are individually eligible for inclusion in state or local historical registers. The City of Glendale does not require properties to be evaluated for inclusion in the National Register of Historic Places at this time. Ms. Chasteen meets the Secretary of the Interior’s *Professional Qualification Standards* in the fields of History and Architectural History. The review was based on a site investigation of the properties; literature review and online research; and an application of state and local register eligibility criteria. As a result of the investigation, it was determined that the subject properties are not eligible for inclusion in state or local registers due to lack of significance; therefore, the properties are not “historical resources” as defined in Section 15064.5(a) of the CEQA Guidelines.

BACKGROUND

This Memorandum for the Record (MFR) documents the historical evaluation undertaken by Sapphos Environmental, Inc. (Ms. Carrie Chasteen) for the residential properties located at 361 and 365 Myrtle Street, Glendale, California (APN 5637-005-030 and 5637-005-032, respectively). 361 Myrtle Street was assigned a status code of 6L, or “Determined ineligible for local listing or designation through local government review process; may warrant special consideration in local planning” as a result of the 2007 Craftsman Survey (Attachment A, *Primary Record* [2007]) and the property located at 365 Myrtle Street has not been previously evaluated.¹ The purpose of the evaluation was to determine if the subject properties meet the definition of a “historical resource” as defined in Section 15064.5(a) of the California Environmental Quality Act (CEQA) Guidelines. This MFR was prepared to inform the applicant and the City of Glendale (City) as to whether the properties possess sufficient significance and integrity to merit listing in the California Register of Historical Resources (California Register) and/or designation as City Historic Resource. The review was based on a literature review, online research, and site investigation of the properties. This MFR also includes a brief summary of the properties’ setting; the findings of field surveys; and an assessment of the properties’ eligibility for listing in state and/or local registers. The City of Glendale does not require properties to be evaluated for inclusion in the National Register of Historic Places at this time. The determination of eligibility was based on an evaluation of the integrity and history of the properties in light of the eligibility criteria for listing in the California Register or criteria for designation as a City Historic Resource.

In order to inform this evaluation, site visits were conducted on December 1, 2016 and July 19, 2017 by Sapphos Environmental, Inc. (Ms. Carrie Chasteen). Ms. Chasteen possesses a Bachelor of Arts in History and Political Science from the University of South Florida (1997) and a Master of Science in Historic Preservation from the School of the Art Institute of Chicago (2001). Ms. Chasteen meets the Secretary of the Interior’s *Professional Qualification Standards* in the fields of History and Architectural History, and has more than 15 years of experience conducting surveys, research, evaluating properties, and preparing regulatory compliance documents (Attachment B, *Key Personnel Resume*).

Research was conducted using reliable information available through public and non-governmental agencies, libraries, and other sources of published information:

- Los Angeles County Assessor;
- City of Glendale Building and Safety, building permits;
- City of Glendale Public Library, city directories;
- Historical issues of the *Los Angeles Times*; and
- Internet.

The purpose of this research was to determine if the properties meet the criteria for being determined eligible for listing in the California Register as articulated in Section 15064.5(a)(3) of the CEQA Guidelines:

- A. Is associated with events that have made a significant contribution to the broad patterns of history and cultural heritage;
- B. Is associated with the lives of persons important in our past;

¹ Galvin Preservation Associates. 2007. City of Glendale Reconnaissance Survey and Historic Context Statement of Craftsman Style Architecture 2006–2007 Certified Local Government Grant.

- C. Embodies the distinctive characteristics of a type, period, region, or method of construction, or represents the work of an important creative individual, or possesses high artistic value; or
- D. Has yielded, or may be likely to yield information important in prehistory or history.

The properties were also evaluated for designation as a City Historic Resource. The City Historic Resource eligibility criteria mirror the California Register with the addition of resources that exemplify the early heritage of the City (Criterion E). The subject properties were not evaluated for inclusion in the National Register of Historic Places nor as potential contributors to a potential historic district.

HISTORIC CONTEXT

The Glendale Improvement Society was formed in 1883, and the name “Glendale” was formally adopted in 1884. By 1887, the new community was platted and registered with Los Angeles County. The Glendale Improvement Society became inactive shortly thereafter but was revitalized in 1902 when Glendale was connected to the City of Los Angeles via the Pacific Electric Railway. Leslie C. Brand and Edgar Goode were the most active members of the revitalized Improvement Society.² The Pacific Electric Railway depot was constructed in 1906 and was located at the corner of Brand Boulevard and Broadway, six blocks from the subject properties. With the ability to commute to Los Angeles for work and shopping, the development of residential buildings, schools, and churches in Glendale grew at a rapid pace.³

The subject properties are located within the Glendale Home Tract which was recorded on March 20, 1906. The proprietors of the Glendale Home Tract were the Huntington Land and Improvement Company and Leslie C. Brand, for whom Brand Boulevard is named.⁴ Lots within this tract were sold by Oliver and Miller.⁵ Oliver and Miller appears to have been a short lived real estate firm based upon the lack of press in the *Los Angeles Daily Times*. The Huntington Land and Improvement Company was one of several real estate development firms that were active throughout Southern California at the turn of the last century. Brand was a real estate developer and promoter of Glendale as stated above.

The Craftsman style of architecture was popular from 1905 to 1930 and is largely attributed to the work of Charles and Henry Greene. One of the Greene brothers’ most famous buildings is the Gamble House located in Pasadena, California. The common identifying features of the Craftsman style of architecture are low-pitched gabled roofs, full- or partial-width porches, unenclosed eave overhangs supported by tapered columns. The most common wall cladding is wood clapboard followed by wood shingles. Stone is commonly used for porch supports. About one-third of Craftsman residences are of the front-gabled roof subset. Most examples of this subset are one story but can be as large as two stories.⁶

² City of Glendale, Planning Division. 1997. Historic Preservation Element of the General Plan.

³ Galvin Preservation Associates. 2007. City of Glendale Reconnaissance Survey and Historic Context Statement of Craftsman Style Architecture 2006–2007 Certified Local Government Grant.

⁴ County of Los Angeles, Department of Public Works, Glendale Home Tract Map, Recorded March 20, 1906.

⁵ *Los Angeles Daily Times*. 1906. Display Ad. Friday, March 23, 1906, pg. 14.

⁶ McAlester, Virginia and Lee. 1992. *A Field Guide to American Houses*. New York, NY: Alfred A. Knopf.

The Spanish Eclectic style of architecture, including Spanish Colonial Revival, was popular from 1915 to 1940. The common identifying features include flat roofs with parapet walls; one and two stories; narrow, shed roofs with tile covering sheltering entryways or projecting windows; stucco; and the façade is normally asymmetrical.⁷

OWNERSHIP HISTORY

According to the County of Los Angeles Assessor's tax rolls, the properties appear to have transferred ownership several times since 1920.

361 Myrtle Street

The following table summarizes the owner and occupant history of 361 Myrtle Street (Table 1, *Summary of Ownership History for 361 Myrtle Street*).

⁷ McAlester, Virginia and Lee. 1992. *A Field Guide to American Houses*. New York, NY: Alfred A. Knopf.

**TABLE 1
SUMMARY OF OWNERSHIP HISTORY FOR 361 MYRTLE STREET**

Date	Occupant Identified in Glendale City Directories⁸	Los Angeles County Assessor Ownership Record
1919	No entry for this address	N/A
1920	N/A	Joseph K. Tobin
1921	N/A	
1922	Joseph K and Opal Tobin	David W. Green
1923	Daniel and Bertha Green*	
1924	N/A	
1925	David W. and Bertha K. Green	
1926	David W. and Bertha K. Green	
1927	David W. and Bertha K. Green	
1928	N/A	
1929	David W. and Bertha K. Green	
1930	N/A	
1931	David W. and Bertha K. Green	
1932	David W. and Bertha K. Green	
1933	David W. and Bertha K. Green	
1934	N/A	
1935	David W. and Bertha K. Green	
1936	David W. and Bertha K. Green	
1937	David W. and Bertha K. Green	
1938	David W. and Bertha K. Green	
1939	David W. and Bertha K. Green	
1940	Bertha K. Green	
1941	Bertha K. Green	
1942	Bertha K. Green	Bertha K. Green
1943	Bertha K. Green	
1944	361: Bertha K. Green 361a: Marie Heneger	
1945	361: Bertha K. Green ** 361a: Marie Heneger	
1946	N/A	
1947	361: Bertha K. Green ** 361a: Marie Heneger	
1948	Bertha K. Green	

⁸ Glendale City Directory Company, Glendale (1922–1949); Polk’s Glendale City Directory, Glendale (1951–1977).

TABLE 1
SUMMARY OF OWNERSHIP HISTORY FOR 361 MYRTLE STREET, *Continued*

Date	Occupant Identified in Glendale City Directories⁸	Los Angeles County Assessor Ownership Record
1949	Bertha K. Green	
1950	N/A	
1951	Bertha K. Green	
1952	N/A	
1953	Bertha K. Green	
1954	Vacant	Lessie Evans
1955	Lessie Evans** G.J. Aucoin	
1956	N/A	Louis and Anita Baiocco
1957	Louis and Anita Baiocco**	
1958	Louis and Anita Baiocco**	
1959	N/A	
1960	Louis and Anita Baiocco**	
1961	N/A	
1962	Louis and Anita Baiocco**	
1963	N/A	Not Available
1964	No Return	
1965	Arthur A. Kirschner	
1966	N/A	
1967	No Return	
1968	Amelia E. Giarratano	
1969	Herbert V. and Harriett H. Thomas	
1970	Herbert V. and Harriett H. Thomas	
1971	Joe E. Sanders	
1977	Len A. Goodman	

Key:

* It is assumed this is a publication error and the occupant was David W. Green.

** Denotes ownership of at least one occupant of the household that was self-reported.

The remainder of the Assessor data is not available; however, the current owner of the property is Filmare Capital LLC.

In 1922, Joseph Tobin worked as a salesman.⁹ David W. Green was born in Maine in 1860. It is not known when he moved to Glendale, but he passed away in the City in 1939.^{10,11} Green was an insurance agent for NW Mutual Life Insurance.¹² Bertha K. Green was born in Canada in 1867. It is not known when she moved to Glendale, but she passed away in the City in 1953.^{13, 14}

⁹ Glendale City Directory Company. 1922. Glendale, CA.

¹⁰ Year: 1930; Census Place: Glendale, Los Angeles, California; Roll: 127; Page: 1B; Enumeration District: 0970; Image: 542.0; FH L microfilm: 2339862

¹¹ Ancestry.com. *U.S., Find a Grave Index, 1600-Current* [database online], Provo, UT, USA: Ancestry.com Operations, Inc., 2012

¹² Glendale City Directory Company. 1927. Glendale, CA.

¹³ Year: 1940; Census Place: Glendale, Los Angeles, California; Roll: T627_231; Page: 14A; Enumeration District: 19-201

¹⁴ Ancestry.com. *U.S., Find a Grave Index, 1600s-Current* [database on-line]. Provo, UT, USA: Ancestry.com Operations, Inc., 2012.

Marie Heneger, a divorced Iowa native, was a housewife and a friend of Bertha K. Green.¹⁵ Lessie Evans was the Green's widowed daughter and she was also born in Maine.¹⁶ Louis Baiocco was a mechanic for Lockheed.¹⁷ Herbert Thomas was a salesman.¹⁸ The Len Goodman who resided at this property does not appear to be the British professional ballroom dancer of the same moniker.¹⁹ No additional information regarding the previous owners or occupants of the property was available at the time of this study.

365 Myrtle Street

The following table summarizes the owner and occupant history of 365 Myrtle Street (Table 2, *Summary of Ownership History for 365 Myrtle Street*).

¹⁵ Year: 1940; Census Place: Glendale, Los Angeles, California; Roll: TG27_231; Page: 14A; Enumeration District: 19-201

¹⁶ Year: 1940; Census Place: Glendale, Los Angeles, California; Roll: T627_231; Page: 14A; Enumeration District: 19-201

¹⁷ Glendale City Directory Company. 1957. Glendale, CA.

¹⁸ Glendale City Directory Company. 1969. Glendale, CA.

¹⁹ Len Goodman. Accessed December 2, 2016. Available at: <http://www.lengoodman.co.uk>

TABLE 2
SUMMARY OF OWNERSHIP HISTORY FOR 365 MYRTLE STREET

Date	Occupant Identified in Glendale City Directories²⁰	Los Angeles County Assessor Ownership Record
1919	No entry for this address	N/A
1920	No entry for this address	N/A
1921	No entry for this address	Otto Brockman (1921/1922) Cary Weaver (1924) Hosea Potter (1925)
1922	Otto and Kirsten Brockman	
1923	Otto and Kirsten Brockman	
1924	Cary and Nellia Laura Weaver	
1925	Hosea and May Potter	
1926	Hosea and May Potter	
1927	Hosea and May Potter	
1928	Hosea and May Potter	Hosea Potter (1926) Blanche Young (1935)
1929	Hosea and Margaret Potter	
1930	Hosea and Margaret Potter	
1931	Hosea and May Potter	
1932	Hosea and Margaret Potter	
1933	Hosea Potter	
1934	Hosea Potter	
1935	Hosea and Florence Potter	Blanche Young
1936	Hosea and Florence Potter	
1937	Hosea and Florence Potter	
1938	Hosea and Mary Potter	
1939	Hosea and Mary Potter	
1940	Hosea and Mary Potter	
1941	N/A	
1942	N/A	Blanche Young (1935) Frank and Lillian Reinschmidt Fred and Pearl Kohlscheen (1944)
1943	N/A	
1944	Fred and Pearl Kohlscheen**	
1945	Fred and Pearl Kohlscheen**	
1946	N/A	
1947	Alec and Sima Goldenberg**	
1948	Alec and Sima Goldenberg	
1949	N/A	
1950	N/A	James and Bertha Henderson
1951	James and Bertha Henderson	
1952	N/A	
1953	James and Bertha Henderson**	
1954	James and Bertha Henderson**	
1955	James and Bertha Henderson**	
1956	N/A	
1957	James and Bertha Henderson**	
1958	N/A	
1959	N/A	
1960	James and Bertha Henderson**	
1961	N/A	
1962	James and Bertha Henderson**	
1963	N/A	

²⁰ Glendale City Directory Company, Glendale (1922–1949); Polk’s Glendale City Directory, Glendale (1951–1977).

TABLE 2
SUMMARY OF OWNERSHIP HISTORY FOR 365 MYRTLE STREET, *Continued*

Date	Occupant Identified in Glendale City Directories	Los Angeles County Assessor Ownership Record
1964	James and Bertha Henderson**	James and Bertha Henderson
1965	James and Bertha Henderson**	
1966	N/A	
1967	James and Bertha Henderson**	N/A
1968	James and Bertha Henderson**	
1969	Bertha Henderson**	
1970	Bertha Henderson**	
1971	N/A	
1972	Bertha Henderson**	
1973	Bertha Henderson**	
1977	Bertha Henderson**	

Between the years of 1975 and 1983, Bernice Henderson *et al* owned the property. In 1997, Dorothy Henderson took possession of the property and transferred it to David Hopkins in 1999. Filmare Capital LLC is the current owner of the property. No additional information was available from the Assessor.

Otto Brockman was born in Denmark in 1874, worked as a baker, and no additional information was available.^{21,22} Kirsten Brockman was born in Sweden in 1867 and no additional information was available.²³ Cary Weaver was born in Findley, Ohio in 1880, and worked as a builder.^{24,25} Nellie Laura (Wise) Weaver was born in Findley, Ohio in 1886 and no additional information was available.²⁶ Hosea Potter was born in Illinois in 1864,²⁷ and was a merchant in 1926.²⁸ By 1929, Potter had begun working as a gardener, which remained his career for the duration of his occupancy of this property.²⁹ Margaret (May) Potter was born in Missouri in 1867 and worked as a homemaker.³⁰ Fred Kohlscheen, a native of Germany, sold corn in the farming industry in Iowa prior to moving to Glendale.³¹

²¹ Year: 1930; Census Place: Glendale, Los Angeles, California; Roll: 127; Page: 1A; Enumeration District: 0972; Image: 584.0; FHL microfilm: 2339862

²² Glendale City Directory Company. 1923. Glendale, CA.

²³ Year: 1930; Census Place: Glendale, Los Angeles, California; Roll: 127; Page: 1A; Enumeration District: 0972; Image: 584.0; FHL microfilm: 2339862

²⁴ Ancestry.com. *Michigan, Marriage Records, 1867-1952* [database on-line]. Provo, UT, USA: Ancestry.com Operations, Inc., 2015.

²⁵ Glendale City Directory Company. 1924. Glendale, CA.

²⁶ Ancestry.com. *Michigan, Marriage Records, 1867-1952* [database on-line]. Provo, UT, USA: Ancestry.com Operations, Inc., 2015.

²⁷ Year: 1920; Census Place: Indianola, Comanche, Oklahoma; Roll: T625_1458; Page: 3A; Enumeration District: 120

²⁸ California State Library; Sacramento, California; *Great Register of Voters, 1900-1968*

²⁹ Glendale City Directory Company. 1929. Glendale, CA.

³⁰ Year: 1930; Census Place: Glendale, Los Angeles, California; Roll: 127; Page: 1B; Enumeration District: 0970; Image: 542.0; FHL microfilm: 2339862

³¹ Year: 1940; Census Place: Atlantic, Cass, Iowa; Roll: T627_1145; Page: 7A; Enumeration District: 15-2

While residing at the property, Kohlscheen worked as an aeroplane mechanic.³² Pearl Kohlscheen was born in Iowa in 1900 and operated a beauty parlor.³³ Alec (Alie)

Goldenberg was born in Russia in 1889 and owned a clothing store in Des Moines, Iowa prior to moving to Glendale.³⁴ While residing at the property, Goldenberg worked in real estate.³⁵ Sima Goldernberg was born in Russia in 1893 and no additional information was available.³⁶ James Henderson was born in Kentucky in 1885, served as First Sergeant in the U.S. Army, and no additional information was available.³⁷ Bertha Henderson was born in Kentucky in 1902 and no additional information is available.³⁸ No information related to Florence Potter, Mary Potter, Blanche Young, or Fred and Lillian Reinschmidt was available

CONSTRUCTION HISTORY

361 Myrtle Street

In 1920, a permit was issued to Benjamin S. Duryea for the construction of a six-room residence and garage. Duryea was a native of New York, worked in newspaper classified advertising, and also owned the residence located at 446 W. Harvard Street, Glendale, California.³⁹ It appears the property was developed as a real estate speculation which was common during this time period in Southern California. The building contractor was Isaac Cline.⁴⁰ Cline appears to be one of many building contractors that were active during this time period and his body of work is not recognized as significant at this time. In 1926, a permit was issued to D.W. Green, owner, for the construction of an addition.⁴¹ In 1930, a permit was issued to D.W. Green for the construction of an addition to the garage.⁴² In 1961, a permit was issued to Louis Baiocco for the construction of a 2-foot, 10-inch by 9-foot, 6-inch addition to the garage and for the installation of a new front door.⁴³

365 Myrtle Street

In 1921, a permit was issued to Otto Brockman for the construction of a one-story, five-room residence. The architect and contractor was Arthur L. Fryer, whose address was identified as 609 E.

³² Glendale City Directory Company. 1944. Glendale, CA.

³³ Year: 1940; Census Place: Atlantic, Cass, Iowa; Roll: T627_1145; Page: 7A; Enumeration District: 15-2

³⁴ Year: 1930; Census Place: Burlington, Des Moines, Iowa; Roll: 653; Page: 15A; Enumeration District: 0009; Image: 237.0; FHL microfilm: 2340388

³⁵ Glendale City Directory Company. 1947. Glendale, CA.

³⁶ Year: 1930; Census Place: Burlington, Des Moines, Iowa; Roll: 653; Page: 15A; Enumeration District: 0009; Image: 237.0; FHL microfilm: 2340388

³⁷ Year: 1920; Census Place: Camp Lee, Prince George, Virginia; Roll: T625_1907; Page: 1B; Enumeration District: 121

³⁸ Year: 1920; Census Place: Camp Lee, Prince George, Virginia; Roll: T625_1907; Page: 1B; Enumeration District: 121

³⁹ Year: 1920; Census Place: Glendale, Los Angeles, California; Roll: T625_102; Page: 9A; Enumeration District: 24; Image: 894

⁴⁰ City of Glendale. Issued 16 August 1920. Building Permit. Glendale, CA.

⁴¹ City of Glendale. Issued 15 November 1926. Alteration Permit No. 17705. Glendale, CA.

⁴² City of Glendale. Issued 20 October 1930. Building Permit No. B-26- 28922. Glendale, CA.

⁴³ City of Glendale. Issued 27 July 1961. Building Permit No. 25181. Glendale, CA.

Lomita Avenue, presumably in Glendale.⁴⁴ Based upon a review of *Southwest Building and Contractor*, Fryer built a few bungalow residences in Glendale none of which appear to be of note at the time of this study. The rear perimeter fence with two wrought iron gates was installed in 2003.⁴⁵ No other permits for the exterior alteration of the building or construction of the garage have been issued by the City.

PROPERTY DESCRIPTION

361 Myrtle Street

The property was documented in 2007 and an exhaustive narrative description was prepared at that time (Attachment A, *Primary Record* [2007]). The subject property appears to be unaltered since the 2007 identification effort was completed although it is suffering from deferred maintenance (Figure 1, *View of the Primary Façade, Facing North, 361 Myrtle Street*; and Figure 2, *View of the Primary Façade, Facing Northwest, 361 Myrtle Street*). The subject property was assigned a status code of 6L, or “Determined ineligible for local listing or designation through local government review process; may warrant special consideration in local planning.” The 2007 study evaluated the property for designation under Criterion C, and intensive research was not conducted in order to evaluate the property under Criteria A, B, and D for listing in the CRHR or Criterion E for designation as a City Historic Resource.



Figure 1. View of the Primary Façade, Facing North, 361 Myrtle Street
SOURCE: *Sapphos Environmental, Inc., 2016*

⁴⁴ City of Glendale. Issued April 4, 1921. Building Permit. Glendale, CA.

⁴⁵ City of Glendale. Issued February 18, 2003. Building Permit No. BB 20021541. Glendale, CA.



Figure 2. View of the Primary Façade, Facing Northwest, 361 Myrtle Street
SOURCE: *Sapphos Environmental, Inc., 2016*

365 Myrtle Street

The one-story Spanish Colonial Revival-style residence is generally rectangular in plan. The flat roof with crenelated parapet wall is accented with Spanish tile coping. The parapet wall is further accented with a shed roof clad in Spanish tile with decorative corbels in the eaves. The exterior walls are clad in smooth textured stucco. The fenestration on the primary façade consists of two trios of wood with glass French doors and a centered primary entry door flanked by full-height wood and glass sidelights/French doors. Security bars were installed at an unknown date. The primary entry is raised and accessed via a cast concrete porch which has visible evidence of cracking and spalling. The central bay of the roof projects to shelter the entry porch and is supported by square columns clad in stucco, which have visible damage at the base. Landscaping is minimal and includes fencing which separates the front and rear yards (Figure 3, *View of the Primary Façade, Facing North, 365 Myrtle Street*).



Figure 3. View of the Primary Façade, Facing North, 365 Myrtle Street
SOURCE: *Sapphos Environmental, Inc. 2017*

A detached garage of similar design and materials is located in the rear of the parcel (Figure 4, *Detail of the Detached Garage, Facing North, 365 Myrtle Street*). Other details of the garage were not discernable from the public right of way.

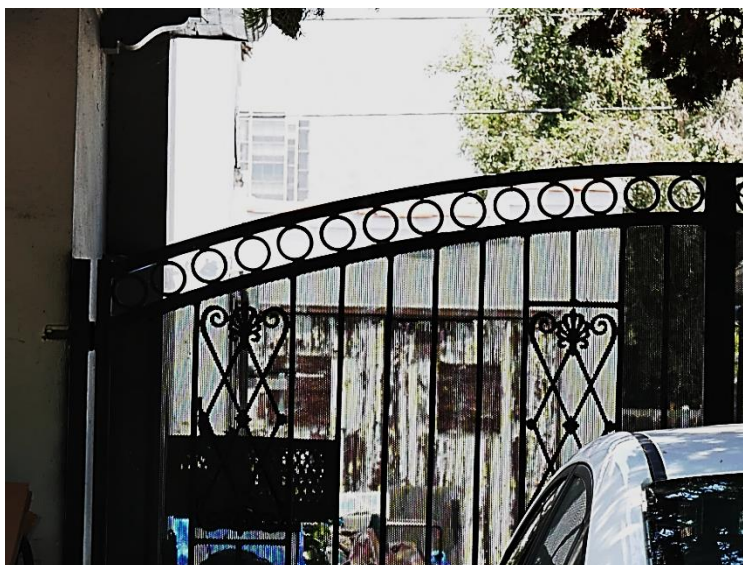


Figure 4. Detail of the Detached Garage, Facing North, 365 Myrtle Street
SOURCE: *Sapphos Environmental, Inc., 2017*

EVALUATION

Based upon a review of the historic context prepared for the City of Glendale Craftsman Survey,⁴⁶ the Historic Preservation Element of the General Plan,⁴⁷ previous ownership, and the construction history of these properties, no historically significant events are known to have occurred at these sites pursuant to Criterion A. Persons who made demonstrably significant contributions to the nation, state, or region are not known to be associated with these properties pursuant to Criterion B. The residences are common and low-style examples of Craftsman and Spanish Colonial Revival style architecture and the garages are utilitarian in design and construction. The buildings are not known to be the work of a master, and do not embody the distinctive characteristics of a type, period, or method of construction pursuant to Criterion C. The buildings were constructed using common building materials and techniques, and the site was graded during construction of the buildings. Therefore, the property is not likely to yield significant information regarding the prehistory and history of the area pursuant to Criterion D. Additionally, the property at 361 and 365 Myrtle Street was developed 33 to 34 years after the establishment of the City. The properties were developed in 1920 and 1921, 14 to 15 years after the period of rapid residential development that followed the establishment of the Pacific Electric Railway depot in Glendale in 1906. Therefore, the properties do not exemplify the early heritage of the City pursuant to Criterion E.

⁴⁶ Galvin Preservation Associates. 2007. City of Glendale Reconnaissance Survey and Historic Context Statement of Craftsman Style Architecture 2006–2007 Certified Local Government Grant.

⁴⁷ City of Glendale, Planning Division. 1997. Historic Preservation Element of the General Plan.

The setting of the properties has been compromised because they are now largely surrounded by modern multi-story apartment buildings, although some Craftsman residences from this period do remain. The properties are relatively unaltered, and generally retain integrity of design, workmanship, materials, feeling, association, and location.

Although the properties generally retain integrity, they do not possess sufficient historical or architectural significance to merit listing in the California Register or for designation as a City Historic Resource.

CONCLUSION

Because 361 and 365 Myrtle Street, Glendale, Los Angeles County, California do not appear eligible for listing in the California Register or for designation as a City Historic Resource, they are not considered to be a "historical resource" as defined in Section 15064.5(a) of the CEQA Guidelines.

Should there be any questions regarding the information contained in this MFR, please contact Ms. Carrie Chasteen at (626) 683-3547, extension 102.

ATTACHMENT A
PRIMARY RECORD (2007)

PRIMARY RECORD

Survey #:
DOE #:

Primary #: _____
HRI #: _____
Trinomial: _____
NRHP Status Code: 6L
Other Listings: _____
Review Code: _____ Reviewer: _____
Date: -/-/

***Resource Name or #:** 361 Myrtle Street

P1. Other Identifier: _____

***P2. Location:** not for publication unrestricted

***a. County** Los Angeles

and (P2c, P2e, and P2b or P2d. Attach a Location Map as Necessary)

b. USGS 7.5' Quad: Burbank **YEAR:** 1994 **T** _____ **R** _____ **of** _____ **of Sec** _____ **B.M.** _____

c. Address: 361 Myrtle Street **City:** Glendale **State:** CA **Zip Code:** 91203-2207

d. UTM: (Give more than one for large and/or linear resources) **Zone:** _____ **mE/** _____ **mN** _____

e. Other Locational Data: (e.g., parcel #, directions to resource, elevation, etc., as appropriate)
APN 5637-006-030

***P3a. Description:** (Describe resource and its major elements. Include design, materials, condition, alterations, size, setting, and boundaries)

Parcel number 5637-006-030 consists of 0.15 acres and includes two buildings. The building address is 361 Myrtle Street. It is located on the north side of Myrtle Street and faces south. This property is a single-family residence, a detached garage with a front lawn and hedges. The primary building is a single-family residence that was constructed in 1920 in the Clipped Colonial Craftsman style. It is located on southwest side of the parcel. It is a one-story, L-shaped building. The *Continued below...*

***P3b. Resource Attributes:** (List attributes and codes)

HP02

***P4. Resources Present:** Building Structure Object Site District Element of a District Other

P5a. Photograph or Drawing (Photograph required for buildings, structures, and objects.)



P5b. Description of Photo:
Front Facade

***P6. Date Constructed/Age and Source:**

Historic PreHistoric
 Both Neither

Year Built: 1920 - Documented

***P7. Owner and Address:**

Name: Louis C. & Anita Baiocco

Address: 1708 Ard Eevin Ave.
Glendale, CA 91202

***P8. Recorded By:**

Planning Department
City of Glendale
633 E. Broadway, Room 103
Glendale, CA 91206

***P9. Date Recorded:** 06/02/2007

***P10. Survey Type:** Survey - Reconnaissance

Survey Title: 2007 Glendale Craftsman Survey

***P11. Report Citation:** (Cite survey report and other sources, or enter "none.")

None

***Attachments:**

NONE

Building, Structure, and Object Record

Milling Station Record

Other: _____

Location Map

Archaeological Record

Rock Art Record

Sketch Map

District Record

Artifact Record

Continuation Sheet

Linear Feature Record

Photograph Record

P3a.Description (continued):

principal façade is symmetrical. It is constructed out of wood and sits on a concrete foundation. The exterior is clad in horizontal wood beveled siding. It is covered by a moderately pitched, clipped, side gabled roof sheathed with composition shingles. The building has a wide overhang with open eaves and enclosed rafter ends, a fixed attic window with six panes under the front porch gable and a wood louvered attic vent on the east elevation. The building also has a red brick chimney with light colored decorative bricks located at the gable end on the east and west elevations. There is also a concrete porch located on the façade. It consists of a full width front porch under a separate slightly arched front clipped gable roof flanked by wood trellis roofs. The porch is supported by wood columns. The main entrance is centered under the front porch of the façade and consists of a wood paneled door under an aluminum screen door. Narrow sidelights with eight lights each flank the main door. There are two sets of windows on the primary elevation. They are symmetrically spaced and consist of two wood casement windows with six panes flanking one large fixed window. Other windows throughout the house consist of single wood sash, double hung windows. All windows have wide surrounds and extended lintels. Landscaping elements include a front lawn, mature hedges near the front porch of the house and a cypress tree on the west side of the property. Other features include a concrete driveway along the east side of the property that leads to a Craftsman style detached garage. It is located on the northeast corner of the parcel. It is a one-story, rectangular building. It is constructed out of wood with a moderately pitched, front gabled roof sheathed with composite shingles. The building has a wide overhang with boxed eaves. There are two wood garage doors centered symmetrically on the south elevation.

The Craftsman style was popular from 1900 to 1925 in Southern California. Typical character defining features of the Craftsman style include: the use of natural materials such as wood and stone; a low-pitched, gabled roof (occasionally hipped) with wide, open eave overhangs and exposed rafters; decorative (false) beams or braces commonly added under gables; either full- or partial-width porches with the roof supported by tapered square columns or pedestals frequently extend to ground level (without a break at level of porch floor); and horizontally arranged windows with wide wood window surrounds, multi-light windows and extended lintels. This Craftsman building exhibits horizontal wood siding, a moderately pitched clipped gabled roof, wide eave overhangs, multi-pane windows with wide surrounds, a full width front porch with a slightly arched clipped front gabled porch roof flanked by wood trellis roofs supported by wood columns, wood louvered attic vents, an attic window, and a red brick chimney with light colored decorative bricks.

The condition of the building is good. There are no visible alterations.

ATTACHMENT B
KEY PERSONNEL RESUME

Carrie E. Chasteen, M.S.

**Senior Historic Resource
Specialist**

Master of Science, (Historic Preservation), School of the Art Institute of Chicago, Chicago, Illinois, 2001

Bachelor of Arts (History and Political Science), University of South Florida, Tampa, Florida, 1997

- *Cultural resource management and legal compliance*
- *History of California*
- *Architectural History*
- *Cultural History*
- *Identification and evaluation of the built environment*
- *Archival documentation*
- *Historic preservation consultation*

Years of Experience: 15

- *Certified Oregon Transportation Investment Act (OTIA) III CS3 Technical Lead*
- *Historic Preservation Commissioner, City of Pasadena*
- *Phi Alpha Theta*

Carrie Chasteen has more than 15 years of experience in the field of cultural resources management and the built environment, including project management, agency coordination, archival research, managing large surveys, preparation of Environmental Impact Statement / Environmental Impact Report (EIS/EIR) sections, peer review, and regulatory compliance. She meets and exceeds the Secretary of the Interior's professional qualification standards in the fields of History and Architectural History.

Ms. Chasteen has served as Principal Investigator / Principal Architectural Historian on projects in Kern, San Bernardino, Riverside, Ventura, Los Angeles, Orange, Imperial, and San Diego counties in Southern California. She has extensive experience with the California Office of Historic Preservation, the California Department of Transportation (Caltrans), San Bernardino Associated Governments (SANBAG), Los Angeles County Department of Parks and Recreation, the City of Los Angeles, and various other state, county, and local government agencies.

Carrie Chasteen served as the historic consultant for the design team for the renovation of the Shangri La Hotel, Santa Monica, California, which won a historic preservation award from the Santa Monica Conservancy. For the Shangri La Hotel project, Ms. Chasteen documented and ranked the character-defining features of the building and structures on the property; reviewed plans for consistency with the Secretary of the Interior's *Standards for the Treatment of Historic Properties*; assisted with developing creative solutions to meet the objectives of updating the hotel amenities while maintaining the historic character of the building; assisted with the entitlement process including presentations before the Planning Commission; and prepared Historic American Building Survey (HABS) documentation of the linoleum flooring which was set in unique patterns per room throughout the entire building. Additional experience includes serving as Principal Architectural Historian for the Interstate 10 (I-10) Corridor Project. For this project, Ms. Chasteen prepared a Historic Property Survey Report (HPSR), Historical Resources Evaluation Report (HRER), and a Finding of No Adverse Effect with Non-Standard Conditions (FNAE). As part of the FNAE, she conducted agency consultation with the Cities of Redlands, Upland, and Ontario, and with other interested parties including regional historical societies. Ms. Chasteen has also prepared Historic American Buildings Survey / Historic American Engineering Record (HABS / HAER) documentation for the former Caltrans District 7 headquarters building and the Space Flight Operations Facility, commonly referred to as Mission Control, a National Historic Monument, at the Jet Propulsion Laboratory (JPL) in Pasadena.

Carrie Chasteen is a member of the Society of Architectural Historians, National Trust for Historic Preservation, California Preservation Foundation, and Pasadena Heritage. Ms. Chasteen is also a Historic Preservation Commissioner for the City of Pasadena.

January 3, 2017
Job Number: 2153-002
Historic Resource Evaluation for
361 Myrtle Street, Glendale, CA 91203

MEMORANDUM FOR THE RECORD

2153-001.M1

TO: Laliq Properties
(Mr. Michael Majian)

FROM: Sapphos Environmental, Inc.
(Ms. Carrie Chasteen)

SUBJECT: Due Diligence Evaluation for 361 Myrtle Street,
Glendale, CA 91203

ATTACHMENT: A. Primary Record (2007)

Corporate Office:

430 North Halstead Street
Pasadena, CA 91107

TEL 626.683.3547

FAX 626.683.3548

Billing Address:

P.O. Box 655
Sierra Madre, CA 91025

Web site:

www.sapphosenvironmental.com

BACKGROUND

At the request of the City of Glendale (City) and Laliq Properties (Mr. Michael Majian), a prospective applicant, Sapphos Environmental, Inc. conducted a preliminary evaluation of 361 Myrtle Street, Glendale, Los Angeles County (AIN 5637-005-030), to determine if the subject property meets the definition of a “historical resource” as defined in Section 15064.5(a) of the California Environmental Quality Act (CEQA) Guidelines. This memorandum for the record (MFR) documents these identification and evaluation efforts.

In order to inform this evaluation, a site visit was conducted on December 1, 2016 by Sapphos Environmental, Inc. (Ms. Carrie Chasteen). Ms. Chasteen possesses a Bachelor of Arts in History from the University of South Florida (1997) and a Master of Science in Historic Preservation from the School of the Art Institute of Chicago (2001). Ms. Chasteen meets the Secretary of the Interior’s *Professional Qualification Standards* in the fields of History and Architectural History, and has more than 15 years of experience conducting surveys, research, evaluating properties, and preparing regulatory compliance documents.

Research was conducted using reliable information available through public and non-governmental agencies, libraries, and other sources of published information:

- Los Angeles County Assessor;
- City of Glendale Building and Safety, building permits;
- City of Glendale Public Library, city directories;
- Historical issues of the *Los Angeles Times*; and
- Internet.

The purpose of this research was to determine if the property meets the criteria for being determined eligible for listing in the California Register of Historical Resources (CRHR), as articulated in Section 15064.5(a)(3) of the CEQA Guidelines:

- A. Is associated with events that have made a significant contribution to the broad patterns of history and cultural heritage;
- B. Is associated with the lives of persons important in our past;
- C. Embodies the distinctive characteristics of a type, period, region, or method of construction, or represents the work of an important creative individual, or possesses high artistic value; or
- D. Has yielded, or may be likely to yield information important in prehistory or history.

The property was also evaluated for designation as a City Historic Resource. The City Historic Resource eligibility criteria mirror the CRHR with the addition of resources that exemplify the early heritage of the City (Criterion E). Research was conducted to determine if the subject property exemplifies the early heritage of the City for designation as a City Historic Property. The subject property was not evaluated for inclusion in the National Register of Historic Places nor as a potential contributor to a potential historic district.

HISTORY

The Glendale Improvement Society was formed in 1883, and the name “Glendale” was formally adopted in 1884. By 1887, the new community was platted and registered with Los Angeles County. The Glendale Improvement Society became inactive shortly thereafter but was revitalized in 1902 when Glendale was connected to the City of Los Angeles via the Pacific Electric Railway. The Pacific Electric Railway depot was constructed in 1906, and was located at the corner of Brand Boulevard and Broadway, six blocks from the subject property. With the ability to commute to Los Angeles for work and shopping, the development of residential buildings, schools, and churches in Glendale grew at a rapid pace.¹

The Craftsman style of architecture was popular from 1905 to 1930 and is largely attributed to the work of Charles and Henry Greene. One of the Greene brothers’ most famous buildings is the Gamble House located in Pasadena, California. The common identifying features of the Craftsman style of architecture are low-pitched gabled roofs, full- or partial-width porches, unenclosed eave overhangs supported by tapered columns. The most common wall cladding is wood clapboard followed by wood shingles. Stone is commonly used for porch supports. About one-third of Craftsman residences are of the front-gabled roof subset. Most examples of this subset are one story but can be as large as two stories.²

According to the County of Los Angeles Tax Assessor’s roles, the property appears to have transferred ownership at least seven times and was primarily owner-occupied until the mid-1960s (Table 1, *Summary of Ownership History*).

¹ Galvin Preservation Associates. 2007. City of Glendale Reconnaissance Survey and Historic Context Statement of Craftsman Style Architecture 2006–2007 Certified Local Government Grant.

² McAlester, Virginia and Lee. 1992. *A Field Guide to American Houses*. New York, NY: Alfred A. Knopf.

**TABLE 1
SUMMARY OF OWNERSHIP HISTORY**

Date	Occupant Identified in Glendale City Directories³	Los Angeles County Assessor Ownership Record
1919	No entry for this address	N/A
1920	N/A	Joseph K. Tobin
1921	N/A	
1922	Joseph K and Opal Tobin	David W. Green
1923	Daniel and Bertha Green*	
1924	N/A	
1925	David W. and Bertha K. Green	
1926	David W. and Bertha K. Green	
1927	David W. and Bertha K. Green	
1928	N/A	
1929	David W. and Bertha K. Green	
1930	N/A	
1931	David W. and Bertha K. Green	
1932	David W. and Bertha K. Green	
1933	David W. and Bertha K. Green	
1934	N/A	
1935	David W. and Bertha K. Green	
1936	David W. and Bertha K. Green	
1937	David W. and Bertha K. Green	
1938	David W. and Bertha K. Green	
1939	David W. and Bertha K. Green	
1940	Bertha K. Green	
1941	Bertha K. Green	
1942	Bertha K. Green	Bertha K. Green
1943	Bertha K. Green	
1944	361: Bertha K. Green 361a: Marie Heneger	
1945	361: Bertha K. Green ** 361a: Marie Heneger	
1946	N/A	
1947	361: Bertha K. Green ** 361a: Marie Heneger	
1948	Bertha K. Green	

³ Glendale City Directory Company, Glendale (1922–1949); Polk’s Glendale City Directory, Glendale (1951–1977).

TABLE 1
SUMMARY OF OWNERSHIP HISTORY, *Continued*

Date	Occupant Identified in Glendale City Directories⁴	Los Angeles County Assessor Ownership Record
1949	Bertha K. Green	
1950	N/A	
1951	Bertha K. Green	
1952	N/A	
1953	Bertha K. Green	
1954	Vacant	
1955	Lessie Evans** G.J. Aucoin	Lessie Evans
1956	N/A	Louis and Anita Baiocco
1957	Louis and Anita Baiocco**	
1958	Louis and Anita Baiocco**	
1959	N/A	
1960	Louis and Anita Baiocco**	
1961	N/A	
1962	Louis and Anita Baiocco**	
1963	N/A	Not Available
1964	No Return	
1965	Arthur A. Kirschner	
1966	N/A	
1967	No Return	
1968	Amelia E. Giarratano	
1969	Herbert V. and Harriett H. Thomas	
1970	Herbert V. and Harriett H. Thomas	
1971	Joe E. Sanders	
1977	Len A. Goodman	

Key:

* It is assumed this is a publication error and the occupant was David W. Green.

** Denotes ownership of at least one occupant of the household that was self-reported.

⁴ Glendale City Directory Company. 1922–1949. Glendale, CA; Polk’s Glendale City Directory. 1951–1977. Glendale, CA

In 1922, Joseph Tobin worked as a salesman.⁵ David W. Green was born in Maine in 1860. It is not known when he moved to Glendale, but he passed away in the City in 1939.^{6, 7} Green was an insurance agent for NW Mutual Life Insurance.⁸ Bertha K. Green was born in Canada in 1867. It is not known when she moved to Glendale, but she passed away in the City in 1953.^{9, 10} Marie Heneger, a divorced Iowa native, was a housewife and a friend of Bertha K. Green.¹¹ Lessie Evans was the Green's widowed daughter and she was also born in Maine.¹² Louis Baiocco was a mechanic for Lockheed.¹³ Herbert Thomas was a salesman.¹⁴ The Len Goodman who resided at this property does not appear to be the British professional ballroom dancer of the same moniker.¹⁵ No additional information regarding the previous owners or occupants of the property was available.

In 1920, a permit was issued to Benjamin S. Duryea for the construction of a six-room residence and garage. Duryea was a native of New York, worked in newspaper classified advertising, and owned the residence located at 446 W. Harvard Street, Glendale, California.¹⁶ It appears the property was developed as a real estate speculation which was common during this time period in Southern California. The building contractor was Isaac Cline.¹⁷ Cline appears to be one of many building contractors that were active during this time period and his body of work is not recognized as significant. In 1926, a permit was issued to D.W. Green, owner, for the construction of an addition.¹⁸ In 1930, a permit was issued to D.W. Green for the construction of an addition to the garage.¹⁹ In 1961, a permit was issued to Louis Baiocco for the construction of a 2-foot, 10-inch by 9-foot, 6-inch addition to the garage and for the installation of a new front door.²⁰

⁵ Glendale City Directory Company. 1922. Glendale, CA.

⁶ Year: 1930; Census Place: Glendale, Los Angeles, California; Roll: 127; Page: 1B; Enumeration District: 0970; Image: 542.0; FH L microfilm: 2339862

⁷ Ancestry.com. *U.S., Find a Grave Index, 1600-Current* [database online], Provo, UT, USA: Ancestry.com Operations, Inc., 2012

⁸ Glendale City Directory Company. 1927. Glendale, CA.

⁹ Year: 1940; Census Place: Glendale, Los Angeles, California; Roll: T627_231; Page: 14A; Enumeration District: 19-201

¹⁰ Ancestry.com. *U.S., Find a Grave Index, 1600s-Current* [database on-line]. Provo, UT, USA: Ancestry.com Operations, Inc., 2012.

¹¹ Year: 1940; Census Place: Glendale, Los Angeles, California; Roll: TG27_231; Page: 14A; Enumeration District: 19-201

¹² Year: 1940; Census Place: Glendale, Los Angeles, California; Roll: T627_231; Page: 14A; Enumeration District: 19-201

¹³ Glendale City Directory Company. 1957. Glendale, CA.

¹⁴ Glendale City Directory Company. 1969. Glendale, CA.

¹⁵ Len Goodman. Accessed December 2, 2016. Available at: <http://www.lengoodman.co.uk>

¹⁶ Year: 1920; Census Place: Glendale, Los Angeles, California; Roll: T625_102; Page: 9A; Enumeration District: 24; Image: 894

¹⁷ City of Glendale. Issued 16 August 1920. Building Permit. Glendale, CA.

¹⁸ City of Glendale. Issued 15 November 1926. Alteration Permit No. 17705. Glendale, CA.

¹⁹ City of Glendale. Issued 20 October 1930. Building Permit No. B-26- 28922. Glendale, CA.

²⁰ City of Glendale. Issued 27 July 1961. Building Permit No. 25181. Glendale, CA.

PROPERTY DESCRIPTION

The property was documented in 2007 and an exhaustive narrative description was prepared at that time (Attachment A, *Primary Record [2007]*). The subject property appears to be unaltered since the 2007 identification effort was completed although it is suffering from deferred maintenance (Figure 1, *View of the Primary Façade, Facing North*; and Figure 2, *View of the Primary Façade, Facing Northwest*). The subject property was assigned a status code of 6L, or “Determined ineligible for local listing or designation through local government review process; may warrant special consideration in local planning.” The 2007 study evaluated the property for designation under Criterion C, and intensive research was not conducted in order to evaluate the property under Criteria A, B, and D for listing in the CRHR or Criterion E for designation as a City Historic Resource.



Figure 1. View of the Primary Façade, Facing North
SOURCE: *Sapphos Environmental, Inc., 2016*



Figure 2. View of the Primary Façade, Facing Northwest
SOURCE: *Sapphos Environmental, Inc., 2016*

EVALUATION

Based upon a review of the historic context prepared for the City of Glendale Craftsman Survey,²¹ previous ownership, and the construction history of this property, no historically significant events are known to have occurred at this site pursuant to Criterion A. Persons who made demonstrably significant contributions to the nation, state, or region are not known to be associated with this property pursuant to Criterion B. The residence is a common and low-style example of Craftsman-style architecture, and the garage is utilitarian in design and construction. The buildings are not known to be the work of a master, and do not embody the distinct characteristics of a type, period, or method of construction pursuant to Criterion C. The buildings were constructed using common building materials and techniques, and the site was graded during construction of the buildings. Therefore, the property is not likely to yield significant information regarding the prehistory and history of the area pursuant to Criterion D. Additionally, the property was developed 33 years after the establishment of Glendale. The property was developed in 1920, 14 years after a period of rapid residential development that followed the establishment of the Pacific Electric Railway depot in Glendale in 1906. Therefore, the property does not exemplify the early heritage of the City pursuant to Criterion E.

The setting of the property has been compromised because it is now largely surrounded by modern multi-story apartment buildings, although some Craftsman residences from this period do remain. The property is relatively unaltered, and generally retains integrity of design, workmanship, materials, feeling, association, and location.

Although the property generally retains integrity, it does not possess sufficient historical or architectural significance to merit listing in the CRHR or City Register of Historic Resources.

CONCLUSION

Because 361 Myrtle Street, Glendale, Los Angeles County, California does not appear eligible for listing in the CRHR or City Register of Historic Resources, it is not considered to be a “historical resource” as defined in Section 15064.5(a) of the CEQA Guidelines.

Should there be any questions regarding the information contained in this MFR, please contact Ms. Carrie Chasteen at (626) 683-3547, extension 102.

²¹ Galvin Preservation Associates. 2007. City of Glendale Reconnaissance Survey and Historic Context Statement of Craftsman Style Architecture 2006–2007 Certified Local Government Grant.

ATTACHMENT A
PRIMARY RECORD (2007)

PRIMARY RECORD

Survey #:
DOE #:

Primary #: _____
HRI #: _____
Trinomial: _____
NRHP Status Code: 6L
Other Listings: _____
Review Code: _____ Reviewer: _____
Date: -/-

***Resource Name or #:** 361 Myrtle Street

P1. Other Identifier: _____

***P2. Location:** not for publication unrestricted

***a. County** Los Angeles

and (P2c, P2e, and P2b or P2d. Attach a Location Map as Necessary)

b. USGS 7.5' Quad: Burbank YEAR: 1994 T _____ ; R _____ ; of _____ of Sec _____ ; B.M. _____

c. Address: 361 Myrtle Street City: Glendale State: CA Zip Code: 91203-2207

d. UTM: (Give more than one for large and/or linear resources) Zone: _____ ; mE/ _____ mN _____

e. Other Locational Data: (e.g., parcel #, directions to resource, elevation, etc., as appropriate)
APN 5637-006-030

***P3a. Description:** (Describe resource and its major elements. Include design, materials, condition, alterations, size, setting, and boundaries)

Parcel number 5637-006-030 consists of 0.15 acres and includes two buildings. The building address is 361 Myrtle Street. It is located on the north side of Myrtle Street and faces south. This property is a single-family residence, a detached garage with a front lawn and hedges. The primary building is a single-family residence that was constructed in 1920 in the Clipped Colonial Craftsman style. It is located on southwest side of the parcel. It is a one-story, L-shaped building. The *Continued below...*

***P3b. Resource Attributes:** (List attributes and codes)

HP02

***P4. Resources Present:** Building Structure Object Site District Element of a District Other

P5a. Photograph or Drawing (Photograph required for buildings, structures, and objects.)



P5b. Description of Photo:
Front Facade

***P6. Date Constructed/Age and Source:**

Historic PreHistoric
 Both Neither

Year Built: 1920 - Documented

***P7. Owner and Address:**

Name: Louis C. & Anita Baiocco

Address: 1708 Ard Eevin Ave.
Glendale, CA 91202

***P8. Recorded By:**

Planning Department
City of Glendale
633 E. Broadway, Room 103
Glendale, CA 91206

***P9. Date Recorded:** 06/02/2007

***P10. Survey Type:** Survey - Reconnaissance

Survey Title: 2007 Glendale Craftsman Survey

***P11. Report Citation:** (Cite survey report and other sources, or enter "none.")

None

***Attachments:**

NONE

Building, Structure, and Object Record

Milling Station Record

Other: _____

Location Map

Archaeological Record

Rock Art Record

Sketch Map

District Record

Artifact Record

Continuation Sheet

Linear Feature Record

Photograph Record

P3a.Description (continued):

principal façade is symmetrical. It is constructed out of wood and sits on a concrete foundation. The exterior is clad in horizontal wood beveled siding. It is covered by a moderately pitched, clipped, side gabled roof sheathed with composition shingles. The building has a wide overhang with open eaves and enclosed rafter ends, a fixed attic window with six panes under the front porch gable and a wood louvered attic vent on the east elevation. The building also has a red brick chimney with light colored decorative bricks located at the gable end on the east and west elevations. There is also a concrete porch located on the façade. It consists of a full width front porch under a separate slightly arched front clipped gable roof flanked by wood trellis roofs. The porch is supported by wood columns. The main entrance is centered under the front porch of the façade and consists of a wood paneled door under an aluminum screen door. Narrow sidelights with eight lights each flank the main door. There are two sets of windows on the primary elevation. They are symmetrically spaced and consist of two wood casement windows with six panes flanking one large fixed window. Other windows throughout the house consist of single wood sash, double hung windows. All windows have wide surrounds and extended lintels. Landscaping elements include a front lawn, mature hedges near the front porch of the house and a cypress tree on the west side of the property. Other features include a concrete driveway along the east side of the property that leads to a Craftsman style detached garage. It is located on the northeast corner of the parcel. It is a one-story, rectangular building. It is constructed out of wood with a moderately pitched, front gabled roof sheathed with composite shingles. The building has a wide overhang with boxed eaves. There are two wood garage doors centered symmetrically on the south elevation.

The Craftsman style was popular from 1900 to 1925 in Southern California. Typical character defining features of the Craftsman style include: the use of natural materials such as wood and stone; a low-pitched, gabled roof (occasionally hipped) with wide, open eave overhangs and exposed rafters; decorative (false) beams or braces commonly added under gables; either full- or partial-width porches with the roof supported by tapered square columns or pedestals frequently extend to ground level (without a break at level of porch floor); and horizontally arranged windows with wide wood window surrounds, multi-light windows and extended lintels. This Craftsman building exhibits horizontal wood siding, a moderately pitched clipped gabled roof, wide eave overhangs, multi-pane windows with wide surrounds, a full width front porch with a slightly arched clipped front gabled porch roof flanked by wood trellis roofs supported by wood columns, wood louvered attic vents, an attic window, and a red brick chimney with light colored decorative bricks.

The condition of the building is good. There are no visible alterations.

361-365 Myrtle Street 12-Unit - Los Angeles-South Coast County, Winter

361-365 Myrtle Street 12-Unit
Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Low Rise	12.00	Dwelling Unit	0.39	15,648.00	34

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9			Operational Year	2019
Utility Company	Glendale Water & Power				
CO2 Intensity (lb/MW hr)	1115.33	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Site area for APNs 5637-005-030 and 5637-005-032 is approximately 13,514 square-feet combined. The total amount of floor area of the buildings is 15,648 square-feet.

Construction Phase - Export of 5,111 CY will occur within a 10 day period.

Demolition -

Grading -

361-365 Myrtle Street 12-Unit - Los Angeles-South Coast County, Winter

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	2.00	9.00
tblConstructionPhase	PhaseEndDate	12/18/2019	12/27/2019
tblConstructionPhase	PhaseEndDate	12/4/2019	12/13/2019
tblConstructionPhase	PhaseEndDate	7/17/2019	7/26/2019
tblConstructionPhase	PhaseEndDate	12/11/2019	12/20/2019
tblConstructionPhase	PhaseStartDate	12/12/2019	12/21/2019
tblConstructionPhase	PhaseStartDate	7/18/2019	7/27/2019
tblConstructionPhase	PhaseStartDate	12/5/2019	12/14/2019
tblGrading	MaterialExported	0.00	5,111.00
tblLandUse	LandUseSquareFeet	12,000.00	15,648.00
tblLandUse	LotAcreage	0.75	0.39

2.0 Emissions Summary

361-365 Myrtle Street 12-Unit - Los Angeles-South Coast County, Winter

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	3.5115	0.2605	7.0975	0.0156		0.9221	0.9221		0.9221	0.9221	112.4030	217.7826	330.1857	0.3370	7.6300e-003	340.8831
Energy	5.7900e-003	0.0495	0.0211	3.2000e-004		4.0000e-003	4.0000e-003		4.0000e-003	4.0000e-003		63.1998	63.1998	1.2100e-003	1.1600e-003	63.5753
Mobile	0.1923	0.9442	2.5833	7.8800e-003	0.6244	9.3800e-003	0.6338	0.1671	8.8200e-003	0.1759		800.2593	800.2593	0.0478		801.4530
Total	3.7096	1.2543	9.7019	0.0238	0.6244	0.9355	1.5599	0.1671	0.9349	1.1021	112.4030	1,081.2417	1,193.6447	0.3859	8.7900e-003	1,205.9114

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	3.5115	0.2605	7.0975	0.0156		0.9221	0.9221		0.9221	0.9221	112.4030	217.7826	330.1857	0.3370	7.6300e-003	340.8831
Energy	5.7900e-003	0.0495	0.0211	3.2000e-004		4.0000e-003	4.0000e-003		4.0000e-003	4.0000e-003		63.1998	63.1998	1.2100e-003	1.1600e-003	63.5753
Mobile	0.1923	0.9442	2.5833	7.8800e-003	0.6244	9.3800e-003	0.6338	0.1671	8.8200e-003	0.1759		800.2593	800.2593	0.0478		801.4530
Total	3.7096	1.2543	9.7019	0.0238	0.6244	0.9355	1.5599	0.1671	0.9349	1.1021	112.4030	1,081.2417	1,193.6447	0.3859	8.7900e-003	1,205.9114

361-365 Myrtle Street 12-Unit - Los Angeles-South Coast County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	7/1/2019	7/12/2019	5	10	
2	Site Preparation	Site Preparation	7/13/2019	7/15/2019	5	1	
3	Grading	Grading	7/16/2019	7/26/2019	5	9	
4	Building Construction	Building Construction	7/27/2019	12/13/2019	5	100	
5	Paving	Paving	12/14/2019	12/20/2019	5	5	
6	Architectural Coating	Architectural Coating	12/21/2019	12/27/2019	5	5	

Acres of Grading (Site Preparation Phase): 0.5

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 31,687; Residential Outdoor: 10,562; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

361-365 Myrtle Street 12-Unit - Los Angeles-South Coast County, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Building Construction	Cranes	1	4.00	231	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Site Preparation	Graders	1	8.00	187	0.41
Paving	Pavers	1	7.00	130	0.42
Paving	Rollers	1	7.00	80	0.38
Demolition	Rubber Tired Dozers	1	1.00	247	0.40
Grading	Rubber Tired Dozers	1	1.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	4	10.00	0.00	13.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	639.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	9.00	1.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	2.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

361-365 Myrtle Street 12-Unit - Los Angeles-South Coast County, Winter

3.1 Mitigation Measures Construction

3.2 Demolition - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2823	0.0000	0.2823	0.0427	0.0000	0.0427			0.0000			0.0000
Off-Road	0.9530	8.6039	7.6917	0.0120		0.5371	0.5371		0.5125	0.5125		1,159.657 0	1,159.657 0	0.2211		1,165.184 7
Total	0.9530	8.6039	7.6917	0.0120	0.2823	0.5371	0.8194	0.0427	0.5125	0.5552		1,159.657 0	1,159.657 0	0.2211		1,165.184 7

361-365 Myrtle Street 12-Unit - Los Angeles-South Coast County, Winter

3.2 Demolition - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0125	0.4035	0.0906	1.0200e-003	0.0227	1.4900e-003	0.0242	6.2300e-003	1.4200e-003	7.6500e-003		110.4805	110.4805	8.0300e-003		110.6813
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0554	0.0407	0.4425	1.1500e-003	0.1118	9.6000e-004	0.1127	0.0296	8.9000e-004	0.0305		114.2131	114.2131	3.9300e-003		114.3113
Total	0.0679	0.4441	0.5331	2.1700e-003	0.1345	2.4500e-003	0.1370	0.0359	2.3100e-003	0.0382		224.6935	224.6935	0.0120		224.9926

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2823	0.0000	0.2823	0.0427	0.0000	0.0427			0.0000			0.0000
Off-Road	0.9530	8.6039	7.6917	0.0120		0.5371	0.5371		0.5125	0.5125	0.0000	1,159.6570	1,159.6570	0.2211		1,165.1847
Total	0.9530	8.6039	7.6917	0.0120	0.2823	0.5371	0.8194	0.0427	0.5125	0.5552	0.0000	1,159.6570	1,159.6570	0.2211		1,165.1847

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3.2 Demolition - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0125	0.4035	0.0906	1.0200e-003	0.0227	1.4900e-003	0.0242	6.2300e-003	1.4200e-003	7.6500e-003		110.4805	110.4805	8.0300e-003		110.6813
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0554	0.0407	0.4425	1.1500e-003	0.1118	9.6000e-004	0.1127	0.0296	8.9000e-004	0.0305		114.2131	114.2131	3.9300e-003		114.3113
Total	0.0679	0.4441	0.5331	2.1700e-003	0.1345	2.4500e-003	0.1370	0.0359	2.3100e-003	0.0382		224.6935	224.6935	0.0120		224.9926

3.3 Site Preparation - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	0.7195	8.9170	4.1407	9.7500e-003		0.3672	0.3672		0.3378	0.3378		965.1690	965.1690	0.3054		972.8032
Total	0.7195	8.9170	4.1407	9.7500e-003	0.5303	0.3672	0.8975	0.0573	0.3378	0.3951		965.1690	965.1690	0.3054		972.8032

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3.3 Site Preparation - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0277	0.0203	0.2212	5.7000e-004	0.0559	4.8000e-004	0.0564	0.0148	4.4000e-004	0.0153		57.1065	57.1065	1.9600e-003		57.1557
Total	0.0277	0.0203	0.2212	5.7000e-004	0.0559	4.8000e-004	0.0564	0.0148	4.4000e-004	0.0153		57.1065	57.1065	1.9600e-003		57.1557

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	0.7195	8.9170	4.1407	9.7500e-003		0.3672	0.3672		0.3378	0.3378	0.0000	965.1690	965.1690	0.3054		972.8032
Total	0.7195	8.9170	4.1407	9.7500e-003	0.5303	0.3672	0.8975	0.0573	0.3378	0.3951	0.0000	965.1690	965.1690	0.3054		972.8032

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3.3 Site Preparation - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0277	0.0203	0.2212	5.7000e-004	0.0559	4.8000e-004	0.0564	0.0148	4.4000e-004	0.0153		57.1065	57.1065	1.9600e-003		57.1557
Total	0.0277	0.0203	0.2212	5.7000e-004	0.0559	4.8000e-004	0.0564	0.0148	4.4000e-004	0.0153		57.1065	57.1065	1.9600e-003		57.1557

3.4 Grading - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.8170	0.0000	0.8170	0.4235	0.0000	0.4235			0.0000			0.0000
Off-Road	0.9530	8.6039	7.6917	0.0120		0.5371	0.5371		0.5125	0.5125		1,159.6570	1,159.6570	0.2211		1,165.1847
Total	0.9530	8.6039	7.6917	0.0120	0.8170	0.5371	1.3541	0.4235	0.5125	0.9360		1,159.6570	1,159.6570	0.2211		1,165.1847

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3.4 Grading - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.6839	22.0363	4.9498	0.0558	1.2414	0.0813	1.3226	0.3403	0.0778	0.4180		6,033.9327	6,033.9327	0.4388		6,044.9035
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0554	0.0407	0.4425	1.1500e-003	0.1118	9.6000e-004	0.1127	0.0296	8.9000e-004	0.0305		114.2131	114.2131	3.9300e-003		114.3113
Total	0.7393	22.0769	5.3923	0.0569	1.3531	0.0823	1.4354	0.3699	0.0787	0.4486		6,148.1458	6,148.1458	0.4428		6,159.2148

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.8170	0.0000	0.8170	0.4235	0.0000	0.4235			0.0000			0.0000
Off-Road	0.9530	8.6039	7.6917	0.0120		0.5371	0.5371		0.5125	0.5125	0.0000	1,159.6570	1,159.6570	0.2211		1,165.1847
Total	0.9530	8.6039	7.6917	0.0120	0.8170	0.5371	1.3541	0.4235	0.5125	0.9360	0.0000	1,159.6570	1,159.6570	0.2211		1,165.1847

361-365 Myrtle Street 12-Unit - Los Angeles-South Coast County, Winter

3.4 Grading - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.6839	22.0363	4.9498	0.0558	1.2414	0.0813	1.3226	0.3403	0.0778	0.4180		6,033.9327	6,033.9327	0.4388		6,044.9035
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0554	0.0407	0.4425	1.1500e-003	0.1118	9.6000e-004	0.1127	0.0296	8.9000e-004	0.0305		114.2131	114.2131	3.9300e-003		114.3113
Total	0.7393	22.0769	5.3923	0.0569	1.3531	0.0823	1.4354	0.3699	0.0787	0.4486		6,148.1458	6,148.1458	0.4428		6,159.2148

3.5 Building Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9576	9.8207	7.5432	0.0114		0.6054	0.6054		0.5569	0.5569		1,127.6696	1,127.6696	0.3568		1,136.5892
Total	0.9576	9.8207	7.5432	0.0114		0.6054	0.6054		0.5569	0.5569		1,127.6696	1,127.6696	0.3568		1,136.5892

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3.5 Building Construction - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	4.3300e-003	0.1159	0.0339	2.5000e-004	6.4000e-003	7.5000e-004	7.1500e-003	1.8400e-003	7.2000e-004	2.5600e-003		27.1277	27.1277	1.9100e-003		27.1754
Worker	0.0498	0.0366	0.3982	1.0300e-003	0.1006	8.7000e-004	0.1015	0.0267	8.0000e-004	0.0275		102.7918	102.7918	3.5400e-003		102.8802
Total	0.0542	0.1525	0.4321	1.2800e-003	0.1070	1.6200e-003	0.1086	0.0285	1.5200e-003	0.0300		129.9195	129.9195	5.4500e-003		130.0555

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9576	9.8207	7.5432	0.0114		0.6054	0.6054		0.5569	0.5569	0.0000	1,127.6696	1,127.6696	0.3568		1,136.5892
Total	0.9576	9.8207	7.5432	0.0114		0.6054	0.6054		0.5569	0.5569	0.0000	1,127.6696	1,127.6696	0.3568		1,136.5892

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3.5 Building Construction - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	4.3300e-003	0.1159	0.0339	2.5000e-004	6.4000e-003	7.5000e-004	7.1500e-003	1.8400e-003	7.2000e-004	2.5600e-003		27.1277	27.1277	1.9100e-003		27.1754
Worker	0.0498	0.0366	0.3982	1.0300e-003	0.1006	8.7000e-004	0.1015	0.0267	8.0000e-004	0.0275		102.7918	102.7918	3.5400e-003		102.8802
Total	0.0542	0.1525	0.4321	1.2800e-003	0.1070	1.6200e-003	0.1086	0.0285	1.5200e-003	0.0300		129.9195	129.9195	5.4500e-003		130.0555

3.6 Paving - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8300	7.8446	7.1478	0.0113		0.4425	0.4425		0.4106	0.4106		1,055.1823	1,055.1823	0.3016		1,062.7231
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.8300	7.8446	7.1478	0.0113		0.4425	0.4425		0.4106	0.4106		1,055.1823	1,055.1823	0.3016		1,062.7231

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3.6 Paving - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0997	0.0732	0.7965	2.0700e-003	0.2012	1.7300e-003	0.2029	0.0534	1.6000e-003	0.0550		205.5836	205.5836	7.0700e-003		205.7604
Total	0.0997	0.0732	0.7965	2.0700e-003	0.2012	1.7300e-003	0.2029	0.0534	1.6000e-003	0.0550		205.5836	205.5836	7.0700e-003		205.7604

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8300	7.8446	7.1478	0.0113		0.4425	0.4425		0.4106	0.4106	0.0000	1,055.1823	1,055.1823	0.3016		1,062.7231
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.8300	7.8446	7.1478	0.0113		0.4425	0.4425		0.4106	0.4106	0.0000	1,055.1823	1,055.1823	0.3016		1,062.7231

361-365 Myrtle Street 12-Unit - Los Angeles-South Coast County, Winter

3.6 Paving - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0997	0.0732	0.7965	2.0700e-003	0.2012	1.7300e-003	0.2029	0.0534	1.6000e-003	0.0550		205.5836	205.5836	7.0700e-003		205.7604
Total	0.0997	0.0732	0.7965	2.0700e-003	0.2012	1.7300e-003	0.2029	0.0534	1.6000e-003	0.0550		205.5836	205.5836	7.0700e-003		205.7604

3.7 Architectural Coating - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	19.5824					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423
Total	19.8489	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423

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3.7 Architectural Coating - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0111	8.1300e-003	0.0885	2.3000e-004	0.0224	1.9000e-004	0.0226	5.9300e-003	1.8000e-004	6.1100e-003		22.8426	22.8426	7.9000e-004		22.8623
Total	0.0111	8.1300e-003	0.0885	2.3000e-004	0.0224	1.9000e-004	0.0226	5.9300e-003	1.8000e-004	6.1100e-003		22.8426	22.8426	7.9000e-004		22.8623

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	19.5824					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423
Total	19.8489	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423

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3.7 Architectural Coating - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0111	8.1300e-003	0.0885	2.3000e-004	0.0224	1.9000e-004	0.0226	5.9300e-003	1.8000e-004	6.1100e-003		22.8426	22.8426	7.9000e-004		22.8623
Total	0.0111	8.1300e-003	0.0885	2.3000e-004	0.0224	1.9000e-004	0.0226	5.9300e-003	1.8000e-004	6.1100e-003		22.8426	22.8426	7.9000e-004		22.8623

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

361-365 Myrtle Street 12-Unit - Los Angeles-South Coast County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.1923	0.9442	2.5833	7.8800e-003	0.6244	9.3800e-003	0.6338	0.1671	8.8200e-003	0.1759		800.2593	800.2593	0.0478		801.4530
Unmitigated	0.1923	0.9442	2.5833	7.8800e-003	0.6244	9.3800e-003	0.6338	0.1671	8.8200e-003	0.1759		800.2593	800.2593	0.0478		801.4530

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	79.08	85.92	72.84	270,521	270,521
Total	79.08	85.92	72.84	270,521	270,521

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.548007	0.045751	0.200309	0.124119	0.017133	0.006025	0.018861	0.028423	0.002391	0.002469	0.004915	0.000672	0.000925

5.0 Energy Detail

Historical Energy Use: N

361-365 Myrtle Street 12-Unit - Los Angeles-South Coast County, Winter

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	5.7900e-003	0.0495	0.0211	3.2000e-004		4.0000e-003	4.0000e-003		4.0000e-003	4.0000e-003		63.1998	63.1998	1.2100e-003	1.1600e-003	63.5753
NaturalGas Unmitigated	5.7900e-003	0.0495	0.0211	3.2000e-004		4.0000e-003	4.0000e-003		4.0000e-003	4.0000e-003		63.1998	63.1998	1.2100e-003	1.1600e-003	63.5753

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	537.198	5.7900e-003	0.0495	0.0211	3.2000e-004		4.0000e-003	4.0000e-003		4.0000e-003	4.0000e-003		63.1998	63.1998	1.2100e-003	1.1600e-003	63.5753
Total		5.7900e-003	0.0495	0.0211	3.2000e-004		4.0000e-003	4.0000e-003		4.0000e-003	4.0000e-003		63.1998	63.1998	1.2100e-003	1.1600e-003	63.5753

361-365 Myrtle Street 12-Unit - Los Angeles-South Coast County, Winter

5.2 Energy by Land Use - Natural Gas

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	0.537198	5.7900e-003	0.0495	0.0211	3.2000e-004		4.0000e-003	4.0000e-003		4.0000e-003	4.0000e-003		63.1998	63.1998	1.2100e-003	1.1600e-003	63.5753
Total		5.7900e-003	0.0495	0.0211	3.2000e-004		4.0000e-003	4.0000e-003		4.0000e-003	4.0000e-003		63.1998	63.1998	1.2100e-003	1.1600e-003	63.5753

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	3.5115	0.2605	7.0975	0.0156		0.9221	0.9221		0.9221	0.9221	112.4030	217.7826	330.1857	0.3370	7.6300e-003	340.8831
Unmitigated	3.5115	0.2605	7.0975	0.0156		0.9221	0.9221		0.9221	0.9221	112.4030	217.7826	330.1857	0.3370	7.6300e-003	340.8831

361-365 Myrtle Street 12-Unit - Los Angeles-South Coast County, Winter

6.2 Area by SubCategory**Unmitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0268					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.3098					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	3.1444	0.2490	6.1026	0.0156		0.9167	0.9167		0.9167	0.9167	112.4030	216.0000	328.4030	0.3352	7.6300e-003	339.0567
Landscaping	0.0305	0.0115	0.9949	5.0000e-005		5.4500e-003	5.4500e-003		5.4500e-003	5.4500e-003		1.7826	1.7826	1.7500e-003		1.8264
Total	3.5116	0.2605	7.0975	0.0156		0.9221	0.9221		0.9221	0.9221	112.4030	217.7826	330.1857	0.3370	7.6300e-003	340.8831

361-365 Myrtle Street 12-Unit - Los Angeles-South Coast County, Winter

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0268					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.3098					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	3.1444	0.2490	6.1026	0.0156		0.9167	0.9167		0.9167	0.9167	112.4030	216.0000	328.4030	0.3352	7.6300e-003	339.0567
Landscaping	0.0305	0.0115	0.9949	5.0000e-005		5.4500e-003	5.4500e-003		5.4500e-003	5.4500e-003		1.7826	1.7826	1.7500e-003		1.8264
Total	3.5116	0.2605	7.0975	0.0156		0.9221	0.9221		0.9221	0.9221	112.4030	217.7826	330.1857	0.3370	7.6300e-003	340.8831

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

361-365 Myrtle Street 12-Unit - Los Angeles-South Coast County, Winter

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

361-365 Myrtle Street 12-Unit - Los Angeles-South Coast County, Summer

361-365 Myrtle Street 12-Unit
Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Low Rise	12.00	Dwelling Unit	0.39	15,648.00	34

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9			Operational Year	2019
Utility Company	Glendale Water & Power				
CO2 Intensity (lb/MW hr)	1115.33	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Site area for APNs 5637-005-030 and 5637-005-032 is approximately 13,514 square-feet combined. The total amount of floor area of the buildings is 15,648 square-feet.

Construction Phase - Export of 5,111 CY will occur within a 10 day period.

Demolition -

Grading -

361-365 Myrtle Street 12-Unit - Los Angeles-South Coast County, Summer

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	2.00	9.00
tblConstructionPhase	PhaseEndDate	12/18/2019	12/27/2019
tblConstructionPhase	PhaseEndDate	12/4/2019	12/13/2019
tblConstructionPhase	PhaseEndDate	7/17/2019	7/26/2019
tblConstructionPhase	PhaseEndDate	12/11/2019	12/20/2019
tblConstructionPhase	PhaseStartDate	12/12/2019	12/21/2019
tblConstructionPhase	PhaseStartDate	7/18/2019	7/27/2019
tblConstructionPhase	PhaseStartDate	12/5/2019	12/14/2019
tblGrading	MaterialExported	0.00	5,111.00
tblLandUse	LandUseSquareFeet	12,000.00	15,648.00
tblLandUse	LotAcreage	0.75	0.39

2.0 Emissions Summary

361-365 Myrtle Street 12-Unit - Los Angeles-South Coast County, Summer

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	3.5115	0.2605	7.0975	0.0156		0.9221	0.9221		0.9221	0.9221	112.4030	217.7826	330.1857	0.3370	7.6300e-003	340.8831
Energy	5.7900e-003	0.0495	0.0211	3.2000e-004		4.0000e-003	4.0000e-003		4.0000e-003	4.0000e-003		63.1998	63.1998	1.2100e-003	1.1600e-003	63.5753
Mobile	0.1972	0.9165	2.7161	8.2900e-003	0.6244	9.3200e-003	0.6337	0.1671	8.7600e-003	0.1759		841.3590	841.3590	0.0481		842.5604
Total	3.7146	1.2266	9.8348	0.0242	0.6244	0.9354	1.5598	0.1671	0.9349	1.1020	112.4030	1,122.3414	1,234.7445	0.3862	8.7900e-003	1,247.0188

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	3.5115	0.2605	7.0975	0.0156		0.9221	0.9221		0.9221	0.9221	112.4030	217.7826	330.1857	0.3370	7.6300e-003	340.8831
Energy	5.7900e-003	0.0495	0.0211	3.2000e-004		4.0000e-003	4.0000e-003		4.0000e-003	4.0000e-003		63.1998	63.1998	1.2100e-003	1.1600e-003	63.5753
Mobile	0.1972	0.9165	2.7161	8.2900e-003	0.6244	9.3200e-003	0.6337	0.1671	8.7600e-003	0.1759		841.3590	841.3590	0.0481		842.5604
Total	3.7146	1.2266	9.8348	0.0242	0.6244	0.9354	1.5598	0.1671	0.9349	1.1020	112.4030	1,122.3414	1,234.7445	0.3862	8.7900e-003	1,247.0188

361-365 Myrtle Street 12-Unit - Los Angeles-South Coast County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	7/1/2019	7/12/2019	5	10	
2	Site Preparation	Site Preparation	7/13/2019	7/15/2019	5	1	
3	Grading	Grading	7/16/2019	7/26/2019	5	9	
4	Building Construction	Building Construction	7/27/2019	12/13/2019	5	100	
5	Paving	Paving	12/14/2019	12/20/2019	5	5	
6	Architectural Coating	Architectural Coating	12/21/2019	12/27/2019	5	5	

Acres of Grading (Site Preparation Phase): 0.5

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 31,687; Residential Outdoor: 10,562; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

361-365 Myrtle Street 12-Unit - Los Angeles-South Coast County, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Building Construction	Cranes	1	4.00	231	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Site Preparation	Graders	1	8.00	187	0.41
Paving	Pavers	1	7.00	130	0.42
Paving	Rollers	1	7.00	80	0.38
Demolition	Rubber Tired Dozers	1	1.00	247	0.40
Grading	Rubber Tired Dozers	1	1.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	4	10.00	0.00	13.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	639.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	9.00	1.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	2.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

361-365 Myrtle Street 12-Unit - Los Angeles-South Coast County, Summer

3.1 Mitigation Measures Construction

3.2 Demolition - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2823	0.0000	0.2823	0.0427	0.0000	0.0427			0.0000			0.0000
Off-Road	0.9530	8.6039	7.6917	0.0120		0.5371	0.5371		0.5125	0.5125		1,159.657 0	1,159.657 0	0.2211		1,165.184 7
Total	0.9530	8.6039	7.6917	0.0120	0.2823	0.5371	0.8194	0.0427	0.5125	0.5552		1,159.657 0	1,159.657 0	0.2211		1,165.184 7

361-365 Myrtle Street 12-Unit - Los Angeles-South Coast County, Summer

3.2 Demolition - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0122	0.3982	0.0849	1.0400e-003	0.0227	1.4600e-003	0.0242	6.2300e-003	1.4000e-003	7.6300e-003		112.3865	112.3865	7.7400e-003		112.5800
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0500	0.0367	0.4822	1.2200e-003	0.1118	9.6000e-004	0.1127	0.0296	8.9000e-004	0.0305		121.2953	121.2953	4.1700e-003		121.3995
Total	0.0622	0.4349	0.5671	2.2600e-003	0.1345	2.4200e-003	0.1369	0.0359	2.2900e-003	0.0382		233.6818	233.6818	0.0119		233.9795

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2823	0.0000	0.2823	0.0427	0.0000	0.0427			0.0000			0.0000
Off-Road	0.9530	8.6039	7.6917	0.0120		0.5371	0.5371		0.5125	0.5125	0.0000	1,159.6570	1,159.6570	0.2211		1,165.1847
Total	0.9530	8.6039	7.6917	0.0120	0.2823	0.5371	0.8194	0.0427	0.5125	0.5552	0.0000	1,159.6570	1,159.6570	0.2211		1,165.1847

361-365 Myrtle Street 12-Unit - Los Angeles-South Coast County, Summer

3.2 Demolition - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0122	0.3982	0.0849	1.0400e-003	0.0227	1.4600e-003	0.0242	6.2300e-003	1.4000e-003	7.6300e-003		112.3865	112.3865	7.7400e-003		112.5800
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0500	0.0367	0.4822	1.2200e-003	0.1118	9.6000e-004	0.1127	0.0296	8.9000e-004	0.0305		121.2953	121.2953	4.1700e-003		121.3995
Total	0.0622	0.4349	0.5671	2.2600e-003	0.1345	2.4200e-003	0.1369	0.0359	2.2900e-003	0.0382		233.6818	233.6818	0.0119		233.9795

3.3 Site Preparation - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	0.7195	8.9170	4.1407	9.7500e-003		0.3672	0.3672		0.3378	0.3378		965.1690	965.1690	0.3054		972.8032
Total	0.7195	8.9170	4.1407	9.7500e-003	0.5303	0.3672	0.8975	0.0573	0.3378	0.3951		965.1690	965.1690	0.3054		972.8032

361-365 Myrtle Street 12-Unit - Los Angeles-South Coast County, Summer

3.3 Site Preparation - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0250	0.0184	0.2411	6.1000e-004	0.0559	4.8000e-004	0.0564	0.0148	4.4000e-004	0.0153		60.6476	60.6476	2.0800e-003		60.6997
Total	0.0250	0.0184	0.2411	6.1000e-004	0.0559	4.8000e-004	0.0564	0.0148	4.4000e-004	0.0153		60.6476	60.6476	2.0800e-003		60.6997

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	0.7195	8.9170	4.1407	9.7500e-003		0.3672	0.3672		0.3378	0.3378	0.0000	965.1690	965.1690	0.3054		972.8032
Total	0.7195	8.9170	4.1407	9.7500e-003	0.5303	0.3672	0.8975	0.0573	0.3378	0.3951	0.0000	965.1690	965.1690	0.3054		972.8032

361-365 Myrtle Street 12-Unit - Los Angeles-South Coast County, Summer

3.3 Site Preparation - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0250	0.0184	0.2411	6.1000e-004	0.0559	4.8000e-004	0.0564	0.0148	4.4000e-004	0.0153		60.6476	60.6476	2.0800e-003		60.6997
Total	0.0250	0.0184	0.2411	6.1000e-004	0.0559	4.8000e-004	0.0564	0.0148	4.4000e-004	0.0153		60.6476	60.6476	2.0800e-003		60.6997

3.4 Grading - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.8170	0.0000	0.8170	0.4235	0.0000	0.4235			0.0000			0.0000
Off-Road	0.9530	8.6039	7.6917	0.0120		0.5371	0.5371		0.5125	0.5125		1,159.6570	1,159.6570	0.2211		1,165.1847
Total	0.9530	8.6039	7.6917	0.0120	0.8170	0.5371	1.3541	0.4235	0.5125	0.9360		1,159.6570	1,159.6570	0.2211		1,165.1847

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3.4 Grading - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.6672	21.7461	4.6365	0.0567	1.2414	0.0798	1.3212	0.3403	0.0763	0.4166		6,138.0335	6,138.0335	0.4227		6,148.6014
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0500	0.0367	0.4822	1.2200e-003	0.1118	9.6000e-004	0.1127	0.0296	8.9000e-004	0.0305		121.2953	121.2953	4.1700e-003		121.3995
Total	0.7171	21.7828	5.1186	0.0580	1.3531	0.0808	1.4339	0.3699	0.0772	0.4471		6,259.3287	6,259.3287	0.4269		6,270.0009

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.8170	0.0000	0.8170	0.4235	0.0000	0.4235			0.0000			0.0000
Off-Road	0.9530	8.6039	7.6917	0.0120		0.5371	0.5371		0.5125	0.5125	0.0000	1,159.6570	1,159.6570	0.2211		1,165.1847
Total	0.9530	8.6039	7.6917	0.0120	0.8170	0.5371	1.3541	0.4235	0.5125	0.9360	0.0000	1,159.6570	1,159.6570	0.2211		1,165.1847

361-365 Myrtle Street 12-Unit - Los Angeles-South Coast County, Summer

3.4 Grading - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.6672	21.7461	4.6365	0.0567	1.2414	0.0798	1.3212	0.3403	0.0763	0.4166		6,138.0335	6,138.0335	0.4227		6,148.6014
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0500	0.0367	0.4822	1.2200e-003	0.1118	9.6000e-004	0.1127	0.0296	8.9000e-004	0.0305		121.2953	121.2953	4.1700e-003		121.3995
Total	0.7171	21.7828	5.1186	0.0580	1.3531	0.0808	1.4339	0.3699	0.0772	0.4471		6,259.3287	6,259.3287	0.4269		6,270.0009

3.5 Building Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9576	9.8207	7.5432	0.0114		0.6054	0.6054		0.5569	0.5569		1,127.6696	1,127.6696	0.3568		1,136.5892
Total	0.9576	9.8207	7.5432	0.0114		0.6054	0.6054		0.5569	0.5569		1,127.6696	1,127.6696	0.3568		1,136.5892

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3.5 Building Construction - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	4.1600e-003	0.1157	0.0307	2.6000e-004	6.4000e-003	7.4000e-004	7.1400e-003	1.8400e-003	7.1000e-004	2.5500e-003		27.8815	27.8815	1.7900e-003		27.9261
Worker	0.0450	0.0330	0.4340	1.1000e-003	0.1006	8.7000e-004	0.1015	0.0267	8.0000e-004	0.0275		109.1658	109.1658	3.7500e-003		109.2595
Total	0.0491	0.1488	0.4647	1.3600e-003	0.1070	1.6100e-003	0.1086	0.0285	1.5100e-003	0.0300		137.0472	137.0472	5.5400e-003		137.1856

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9576	9.8207	7.5432	0.0114		0.6054	0.6054		0.5569	0.5569	0.0000	1,127.6696	1,127.6696	0.3568		1,136.5892
Total	0.9576	9.8207	7.5432	0.0114		0.6054	0.6054		0.5569	0.5569	0.0000	1,127.6696	1,127.6696	0.3568		1,136.5892

361-365 Myrtle Street 12-Unit - Los Angeles-South Coast County, Summer

3.5 Building Construction - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	4.1600e-003	0.1157	0.0307	2.6000e-004	6.4000e-003	7.4000e-004	7.1400e-003	1.8400e-003	7.1000e-004	2.5500e-003		27.8815	27.8815	1.7900e-003		27.9261
Worker	0.0450	0.0330	0.4340	1.1000e-003	0.1006	8.7000e-004	0.1015	0.0267	8.0000e-004	0.0275		109.1658	109.1658	3.7500e-003		109.2595
Total	0.0491	0.1488	0.4647	1.3600e-003	0.1070	1.6100e-003	0.1086	0.0285	1.5100e-003	0.0300		137.0472	137.0472	5.5400e-003		137.1856

3.6 Paving - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8300	7.8446	7.1478	0.0113		0.4425	0.4425		0.4106	0.4106		1,055.1823	1,055.1823	0.3016		1,062.7231
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.8300	7.8446	7.1478	0.0113		0.4425	0.4425		0.4106	0.4106		1,055.1823	1,055.1823	0.3016		1,062.7231

361-365 Myrtle Street 12-Unit - Los Angeles-South Coast County, Summer

3.6 Paving - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0899	0.0661	0.8679	2.1900e-003	0.2012	1.7300e-003	0.2029	0.0534	1.6000e-003	0.0550		218.3315	218.3315	7.5000e-003		218.5190
Total	0.0899	0.0661	0.8679	2.1900e-003	0.2012	1.7300e-003	0.2029	0.0534	1.6000e-003	0.0550		218.3315	218.3315	7.5000e-003		218.5190

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8300	7.8446	7.1478	0.0113		0.4425	0.4425		0.4106	0.4106	0.0000	1,055.1823	1,055.1823	0.3016		1,062.7231
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.8300	7.8446	7.1478	0.0113		0.4425	0.4425		0.4106	0.4106	0.0000	1,055.1823	1,055.1823	0.3016		1,062.7231

361-365 Myrtle Street 12-Unit - Los Angeles-South Coast County, Summer

3.6 Paving - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0899	0.0661	0.8679	2.1900e-003	0.2012	1.7300e-003	0.2029	0.0534	1.6000e-003	0.0550		218.3315	218.3315	7.5000e-003		218.5190
Total	0.0899	0.0661	0.8679	2.1900e-003	0.2012	1.7300e-003	0.2029	0.0534	1.6000e-003	0.0550		218.3315	218.3315	7.5000e-003		218.5190

3.7 Architectural Coating - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	19.5824					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423
Total	19.8489	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423

361-365 Myrtle Street 12-Unit - Los Angeles-South Coast County, Summer

3.7 Architectural Coating - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	9.9900e-003	7.3400e-003	0.0964	2.4000e-004	0.0224	1.9000e-004	0.0226	5.9300e-003	1.8000e-004	6.1100e-003		24.2591	24.2591	8.3000e-004		24.2799
Total	9.9900e-003	7.3400e-003	0.0964	2.4000e-004	0.0224	1.9000e-004	0.0226	5.9300e-003	1.8000e-004	6.1100e-003		24.2591	24.2591	8.3000e-004		24.2799

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	19.5824					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423
Total	19.8489	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423

361-365 Myrtle Street 12-Unit - Los Angeles-South Coast County, Summer

3.7 Architectural Coating - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	9.9900e-003	7.3400e-003	0.0964	2.4000e-004	0.0224	1.9000e-004	0.0226	5.9300e-003	1.8000e-004	6.1100e-003		24.2591	24.2591	8.3000e-004		24.2799
Total	9.9900e-003	7.3400e-003	0.0964	2.4000e-004	0.0224	1.9000e-004	0.0226	5.9300e-003	1.8000e-004	6.1100e-003		24.2591	24.2591	8.3000e-004		24.2799

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

361-365 Myrtle Street 12-Unit - Los Angeles-South Coast County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.1972	0.9165	2.7161	8.2900e-003	0.6244	9.3200e-003	0.6337	0.1671	8.7600e-003	0.1759		841.3590	841.3590	0.0481		842.5604
Unmitigated	0.1972	0.9165	2.7161	8.2900e-003	0.6244	9.3200e-003	0.6337	0.1671	8.7600e-003	0.1759		841.3590	841.3590	0.0481		842.5604

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	79.08	85.92	72.84	270,521	270,521
Total	79.08	85.92	72.84	270,521	270,521

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.548007	0.045751	0.200309	0.124119	0.017133	0.006025	0.018861	0.028423	0.002391	0.002469	0.004915	0.000672	0.000925

5.0 Energy Detail

Historical Energy Use: N

361-365 Myrtle Street 12-Unit - Los Angeles-South Coast County, Summer

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	5.7900e-003	0.0495	0.0211	3.2000e-004		4.0000e-003	4.0000e-003		4.0000e-003	4.0000e-003		63.1998	63.1998	1.2100e-003	1.1600e-003	63.5753
NaturalGas Unmitigated	5.7900e-003	0.0495	0.0211	3.2000e-004		4.0000e-003	4.0000e-003		4.0000e-003	4.0000e-003		63.1998	63.1998	1.2100e-003	1.1600e-003	63.5753

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	537.198	5.7900e-003	0.0495	0.0211	3.2000e-004		4.0000e-003	4.0000e-003		4.0000e-003	4.0000e-003		63.1998	63.1998	1.2100e-003	1.1600e-003	63.5753
Total		5.7900e-003	0.0495	0.0211	3.2000e-004		4.0000e-003	4.0000e-003		4.0000e-003	4.0000e-003		63.1998	63.1998	1.2100e-003	1.1600e-003	63.5753

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5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	0.537198	5.7900e-003	0.0495	0.0211	3.2000e-004		4.0000e-003	4.0000e-003		4.0000e-003	4.0000e-003		63.1998	63.1998	1.2100e-003	1.1600e-003	63.5753
Total		5.7900e-003	0.0495	0.0211	3.2000e-004		4.0000e-003	4.0000e-003		4.0000e-003	4.0000e-003		63.1998	63.1998	1.2100e-003	1.1600e-003	63.5753

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	3.5115	0.2605	7.0975	0.0156		0.9221	0.9221		0.9221	0.9221	112.4030	217.7826	330.1857	0.3370	7.6300e-003	340.8831
Unmitigated	3.5115	0.2605	7.0975	0.0156		0.9221	0.9221		0.9221	0.9221	112.4030	217.7826	330.1857	0.3370	7.6300e-003	340.8831

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6.2 Area by SubCategory**Unmitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0268					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.3098					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	3.1444	0.2490	6.1026	0.0156		0.9167	0.9167		0.9167	0.9167	112.4030	216.0000	328.4030	0.3352	7.6300e-003	339.0567
Landscaping	0.0305	0.0115	0.9949	5.0000e-005		5.4500e-003	5.4500e-003		5.4500e-003	5.4500e-003		1.7826	1.7826	1.7500e-003		1.8264
Total	3.5116	0.2605	7.0975	0.0156		0.9221	0.9221		0.9221	0.9221	112.4030	217.7826	330.1857	0.3370	7.6300e-003	340.8831

361-365 Myrtle Street 12-Unit - Los Angeles-South Coast County, Summer

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0268					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.3098					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	3.1444	0.2490	6.1026	0.0156		0.9167	0.9167		0.9167	0.9167	112.4030	216.0000	328.4030	0.3352	7.6300e-003	339.0567
Landscaping	0.0305	0.0115	0.9949	5.0000e-005		5.4500e-003	5.4500e-003		5.4500e-003	5.4500e-003		1.7826	1.7826	1.7500e-003		1.8264
Total	3.5116	0.2605	7.0975	0.0156		0.9221	0.9221		0.9221	0.9221	112.4030	217.7826	330.1857	0.3370	7.6300e-003	340.8831

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

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Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

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1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Low Rise	12.00	Dwelling Unit	0.39	15,648.00	34

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9			Operational Year	2019
Utility Company	Glendale Water & Power				
CO2 Intensity (lb/MW hr)	1115.33	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Site area for APNs 5637-005-030 and 5637-005-032 is approximately 13,514 square-feet combined. The total amount of floor area of the buildings is 15,648 square-feet.

Construction Phase - Export of 5,111 CY will occur within a 10 day period.

Demolition -

Grading -

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Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	2.00	9.00
tblConstructionPhase	PhaseEndDate	12/18/2019	12/27/2019
tblConstructionPhase	PhaseEndDate	12/4/2019	12/13/2019
tblConstructionPhase	PhaseEndDate	7/17/2019	7/26/2019
tblConstructionPhase	PhaseEndDate	12/11/2019	12/20/2019
tblConstructionPhase	PhaseStartDate	12/12/2019	12/21/2019
tblConstructionPhase	PhaseStartDate	7/18/2019	7/27/2019
tblConstructionPhase	PhaseStartDate	12/5/2019	12/14/2019
tblGrading	MaterialExported	0.00	5,111.00
tblLandUse	LandUseSquareFeet	12,000.00	15,648.00
tblLandUse	LotAcreage	0.75	0.39

2.0 Emissions Summary

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Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	7-1-2019	9-30-2019	0.4381	0.4381
		Highest	0.4381	0.4381

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.1046	4.5500e-003	0.2007	2.0000e-004		0.0121	0.0121		0.0121	0.0121	1.2746	2.6516	3.9262	4.0000e-003	9.0000e-005	4.0520
Energy	1.0600e-003	9.0300e-003	3.8400e-003	6.0000e-005		7.3000e-004	7.3000e-004		7.3000e-004	7.3000e-004	0.0000	36.2063	36.2063	8.7000e-004	3.3000e-004	36.3264
Mobile	0.0315	0.1614	0.4394	1.3400e-003	0.1027	1.5700e-003	0.1043	0.0275	1.4700e-003	0.0290	0.0000	123.4459	123.4459	7.2500e-003	0.0000	123.6270
Waste						0.0000	0.0000		0.0000	0.0000	1.1205	0.0000	1.1205	0.0662	0.0000	2.7760
Water						0.0000	0.0000		0.0000	0.0000	0.2480	7.9208	8.1688	0.0257	6.4000e-004	9.0028
Total	0.1371	0.1750	0.6439	1.6000e-003	0.1027	0.0144	0.1171	0.0275	0.0143	0.0419	2.6432	170.2244	172.8676	0.1040	1.0600e-003	175.7843

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2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.1046	4.5500e-003	0.2007	2.0000e-004		0.0121	0.0121		0.0121	0.0121	1.2746	2.6516	3.9262	4.0000e-003	9.0000e-005	4.0520
Energy	1.0600e-003	9.0300e-003	3.8400e-003	6.0000e-005		7.3000e-004	7.3000e-004		7.3000e-004	7.3000e-004	0.0000	36.2063	36.2063	8.7000e-004	3.3000e-004	36.3264
Mobile	0.0315	0.1614	0.4394	1.3400e-003	0.1027	1.5700e-003	0.1043	0.0275	1.4700e-003	0.0290	0.0000	123.4459	123.4459	7.2500e-003	0.0000	123.6270
Waste						0.0000	0.0000		0.0000	0.0000	1.1205	0.0000	1.1205	0.0662	0.0000	2.7760
Water						0.0000	0.0000		0.0000	0.0000	0.2480	7.9208	8.1688	0.0257	6.4000e-004	9.0028
Total	0.1371	0.1750	0.6439	1.6000e-003	0.1027	0.0144	0.1171	0.0275	0.0143	0.0419	2.6432	170.2244	172.8676	0.1040	1.0600e-003	175.7843

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

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Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	7/1/2019	7/12/2019	5	10	
2	Site Preparation	Site Preparation	7/13/2019	7/15/2019	5	1	
3	Grading	Grading	7/16/2019	7/26/2019	5	9	
4	Building Construction	Building Construction	7/27/2019	12/13/2019	5	100	
5	Paving	Paving	12/14/2019	12/20/2019	5	5	
6	Architectural Coating	Architectural Coating	12/21/2019	12/27/2019	5	5	

Acres of Grading (Site Preparation Phase): 0.5

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 31,687; Residential Outdoor: 10,562; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

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Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Building Construction	Cranes	1	4.00	231	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Site Preparation	Graders	1	8.00	187	0.41
Paving	Pavers	1	7.00	130	0.42
Paving	Rollers	1	7.00	80	0.38
Demolition	Rubber Tired Dozers	1	1.00	247	0.40
Grading	Rubber Tired Dozers	1	1.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	4	10.00	0.00	13.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	639.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	9.00	1.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	2.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

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3.1 Mitigation Measures Construction

3.2 Demolition - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.4100e-003	0.0000	1.4100e-003	2.1000e-004	0.0000	2.1000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.7700e-003	0.0430	0.0385	6.0000e-005		2.6900e-003	2.6900e-003		2.5600e-003	2.5600e-003	0.0000	5.2601	5.2601	1.0000e-003	0.0000	5.2852
Total	4.7700e-003	0.0430	0.0385	6.0000e-005	1.4100e-003	2.6900e-003	4.1000e-003	2.1000e-004	2.5600e-003	2.7700e-003	0.0000	5.2601	5.2601	1.0000e-003	0.0000	5.2852

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3.2 Demolition - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	6.0000e-005	2.0600e-003	4.4000e-004	1.0000e-005	1.1000e-004	1.0000e-005	1.2000e-004	3.0000e-005	1.0000e-005	4.0000e-005	0.0000	0.5062	0.5062	4.0000e-005	0.0000	0.5070
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.5000e-004	2.1000e-004	2.2700e-003	1.0000e-005	5.5000e-004	0.0000	5.5000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.5267	0.5267	2.0000e-005	0.0000	0.5271
Total	3.1000e-004	2.2700e-003	2.7100e-003	2.0000e-005	6.6000e-004	1.0000e-005	6.7000e-004	1.8000e-004	1.0000e-005	1.9000e-004	0.0000	1.0328	1.0328	6.0000e-005	0.0000	1.0342

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.4100e-003	0.0000	1.4100e-003	2.1000e-004	0.0000	2.1000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.7700e-003	0.0430	0.0385	6.0000e-005		2.6900e-003	2.6900e-003		2.5600e-003	2.5600e-003	0.0000	5.2601	5.2601	1.0000e-003	0.0000	5.2852
Total	4.7700e-003	0.0430	0.0385	6.0000e-005	1.4100e-003	2.6900e-003	4.1000e-003	2.1000e-004	2.5600e-003	2.7700e-003	0.0000	5.2601	5.2601	1.0000e-003	0.0000	5.2852

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3.2 Demolition - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	6.0000e-005	2.0600e-003	4.4000e-004	1.0000e-005	1.1000e-004	1.0000e-005	1.2000e-004	3.0000e-005	1.0000e-005	4.0000e-005	0.0000	0.5062	0.5062	4.0000e-005	0.0000	0.5070
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.5000e-004	2.1000e-004	2.2700e-003	1.0000e-005	5.5000e-004	0.0000	5.5000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.5267	0.5267	2.0000e-005	0.0000	0.5271
Total	3.1000e-004	2.2700e-003	2.7100e-003	2.0000e-005	6.6000e-004	1.0000e-005	6.7000e-004	1.8000e-004	1.0000e-005	1.9000e-004	0.0000	1.0328	1.0328	6.0000e-005	0.0000	1.0342

3.3 Site Preparation - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.7000e-004	0.0000	2.7000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.6000e-004	4.4600e-003	2.0700e-003	0.0000		1.8000e-004	1.8000e-004		1.7000e-004	1.7000e-004	0.0000	0.4378	0.4378	1.4000e-004	0.0000	0.4413
Total	3.6000e-004	4.4600e-003	2.0700e-003	0.0000	2.7000e-004	1.8000e-004	4.5000e-004	3.0000e-005	1.7000e-004	2.0000e-004	0.0000	0.4378	0.4378	1.4000e-004	0.0000	0.4413

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3.3 Site Preparation - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-005	1.0000e-005	1.1000e-004	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0263	0.0263	0.0000	0.0000	0.0264
Total	1.0000e-005	1.0000e-005	1.1000e-004	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0263	0.0263	0.0000	0.0000	0.0264

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.7000e-004	0.0000	2.7000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.6000e-004	4.4600e-003	2.0700e-003	0.0000		1.8000e-004	1.8000e-004		1.7000e-004	1.7000e-004	0.0000	0.4378	0.4378	1.4000e-004	0.0000	0.4413
Total	3.6000e-004	4.4600e-003	2.0700e-003	0.0000	2.7000e-004	1.8000e-004	4.5000e-004	3.0000e-005	1.7000e-004	2.0000e-004	0.0000	0.4378	0.4378	1.4000e-004	0.0000	0.4413

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3.3 Site Preparation - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-005	1.0000e-005	1.1000e-004	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0263	0.0263	0.0000	0.0000	0.0264
Total	1.0000e-005	1.0000e-005	1.1000e-004	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0263	0.0263	0.0000	0.0000	0.0264

3.4 Grading - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					3.6800e-003	0.0000	3.6800e-003	1.9100e-003	0.0000	1.9100e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.2900e-003	0.0387	0.0346	5.0000e-005		2.4200e-003	2.4200e-003		2.3100e-003	2.3100e-003	0.0000	4.7341	4.7341	9.0000e-004	0.0000	4.7567
Total	4.2900e-003	0.0387	0.0346	5.0000e-005	3.6800e-003	2.4200e-003	6.1000e-003	1.9100e-003	2.3100e-003	4.2200e-003	0.0000	4.7341	4.7341	9.0000e-004	0.0000	4.7567

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3.4 Grading - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.0300e-003	0.1011	0.0215	2.5000e-004	5.4900e-003	3.6000e-004	5.8500e-003	1.5100e-003	3.5000e-004	1.8500e-003	0.0000	24.8790	24.8790	1.7500e-003	0.0000	24.9229
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.3000e-004	1.9000e-004	2.0400e-003	1.0000e-005	4.9000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.4740	0.4740	2.0000e-005	0.0000	0.4744
Total	3.2600e-003	0.1013	0.0235	2.6000e-004	5.9800e-003	3.6000e-004	6.3500e-003	1.6400e-003	3.5000e-004	1.9800e-003	0.0000	25.3530	25.3530	1.7700e-003	0.0000	25.3973

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					3.6800e-003	0.0000	3.6800e-003	1.9100e-003	0.0000	1.9100e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.2900e-003	0.0387	0.0346	5.0000e-005		2.4200e-003	2.4200e-003		2.3100e-003	2.3100e-003	0.0000	4.7341	4.7341	9.0000e-004	0.0000	4.7567
Total	4.2900e-003	0.0387	0.0346	5.0000e-005	3.6800e-003	2.4200e-003	6.1000e-003	1.9100e-003	2.3100e-003	4.2200e-003	0.0000	4.7341	4.7341	9.0000e-004	0.0000	4.7567

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3.4 Grading - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.0300e-003	0.1011	0.0215	2.5000e-004	5.4900e-003	3.6000e-004	5.8500e-003	1.5100e-003	3.5000e-004	1.8500e-003	0.0000	24.8790	24.8790	1.7500e-003	0.0000	24.9229
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.3000e-004	1.9000e-004	2.0400e-003	1.0000e-005	4.9000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.4740	0.4740	2.0000e-005	0.0000	0.4744
Total	3.2600e-003	0.1013	0.0235	2.6000e-004	5.9800e-003	3.6000e-004	6.3500e-003	1.6400e-003	3.5000e-004	1.9800e-003	0.0000	25.3530	25.3530	1.7700e-003	0.0000	25.3973

3.5 Building Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0479	0.4910	0.3772	5.7000e-004		0.0303	0.0303		0.0279	0.0279	0.0000	51.1502	51.1502	0.0162	0.0000	51.5548
Total	0.0479	0.4910	0.3772	5.7000e-004		0.0303	0.0303		0.0279	0.0279	0.0000	51.1502	51.1502	0.0162	0.0000	51.5548

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3.5 Building Construction - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.1000e-004	5.9100e-003	1.6200e-003	1.0000e-005	3.1000e-004	4.0000e-005	3.5000e-004	9.0000e-005	4.0000e-005	1.3000e-004	0.0000	1.2503	1.2503	8.0000e-005	0.0000	1.2524
Worker	2.2500e-003	1.8800e-003	0.0204	5.0000e-005	4.9300e-003	4.0000e-005	4.9700e-003	1.3100e-003	4.0000e-005	1.3500e-003	0.0000	4.7401	4.7401	1.6000e-004	0.0000	4.7442
Total	2.4600e-003	7.7900e-003	0.0221	6.0000e-005	5.2400e-003	8.0000e-005	5.3200e-003	1.4000e-003	8.0000e-005	1.4800e-003	0.0000	5.9904	5.9904	2.4000e-004	0.0000	5.9966

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0479	0.4910	0.3772	5.7000e-004		0.0303	0.0303		0.0279	0.0279	0.0000	51.1502	51.1502	0.0162	0.0000	51.5548
Total	0.0479	0.4910	0.3772	5.7000e-004		0.0303	0.0303		0.0279	0.0279	0.0000	51.1502	51.1502	0.0162	0.0000	51.5548

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3.5 Building Construction - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.1000e-004	5.9100e-003	1.6200e-003	1.0000e-005	3.1000e-004	4.0000e-005	3.5000e-004	9.0000e-005	4.0000e-005	1.3000e-004	0.0000	1.2503	1.2503	8.0000e-005	0.0000	1.2524
Worker	2.2500e-003	1.8800e-003	0.0204	5.0000e-005	4.9300e-003	4.0000e-005	4.9700e-003	1.3100e-003	4.0000e-005	1.3500e-003	0.0000	4.7401	4.7401	1.6000e-004	0.0000	4.7442
Total	2.4600e-003	7.7900e-003	0.0221	6.0000e-005	5.2400e-003	8.0000e-005	5.3200e-003	1.4000e-003	8.0000e-005	1.4800e-003	0.0000	5.9904	5.9904	2.4000e-004	0.0000	5.9966

3.6 Paving - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.0700e-003	0.0196	0.0179	3.0000e-005		1.1100e-003	1.1100e-003		1.0300e-003	1.0300e-003	0.0000	2.3931	2.3931	6.8000e-004	0.0000	2.4102
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	2.0700e-003	0.0196	0.0179	3.0000e-005		1.1100e-003	1.1100e-003		1.0300e-003	1.0300e-003	0.0000	2.3931	2.3931	6.8000e-004	0.0000	2.4102

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3.6 Paving - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.3000e-004	1.9000e-004	2.0400e-003	1.0000e-005	4.9000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.4740	0.4740	2.0000e-005	0.0000	0.4744
Total	2.3000e-004	1.9000e-004	2.0400e-003	1.0000e-005	4.9000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.4740	0.4740	2.0000e-005	0.0000	0.4744

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.0700e-003	0.0196	0.0179	3.0000e-005		1.1100e-003	1.1100e-003		1.0300e-003	1.0300e-003	0.0000	2.3931	2.3931	6.8000e-004	0.0000	2.4102
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	2.0700e-003	0.0196	0.0179	3.0000e-005		1.1100e-003	1.1100e-003		1.0300e-003	1.0300e-003	0.0000	2.3931	2.3931	6.8000e-004	0.0000	2.4102

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3.6 Paving - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.3000e-004	1.9000e-004	2.0400e-003	1.0000e-005	4.9000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.4740	0.4740	2.0000e-005	0.0000	0.4744
Total	2.3000e-004	1.9000e-004	2.0400e-003	1.0000e-005	4.9000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.4740	0.4740	2.0000e-005	0.0000	0.4744

3.7 Architectural Coating - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0490					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.7000e-004	4.5900e-003	4.6000e-003	1.0000e-005		3.2000e-004	3.2000e-004		3.2000e-004	3.2000e-004	0.0000	0.6383	0.6383	5.0000e-005	0.0000	0.6397
Total	0.0496	4.5900e-003	4.6000e-003	1.0000e-005		3.2000e-004	3.2000e-004		3.2000e-004	3.2000e-004	0.0000	0.6383	0.6383	5.0000e-005	0.0000	0.6397

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3.7 Architectural Coating - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0000e-005	2.0000e-005	2.3000e-004	0.0000	5.0000e-005	0.0000	6.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0527	0.0527	0.0000	0.0000	0.0527
Total	3.0000e-005	2.0000e-005	2.3000e-004	0.0000	5.0000e-005	0.0000	6.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0527	0.0527	0.0000	0.0000	0.0527

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0490					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.7000e-004	4.5900e-003	4.6000e-003	1.0000e-005		3.2000e-004	3.2000e-004		3.2000e-004	3.2000e-004	0.0000	0.6383	0.6383	5.0000e-005	0.0000	0.6397
Total	0.0496	4.5900e-003	4.6000e-003	1.0000e-005		3.2000e-004	3.2000e-004		3.2000e-004	3.2000e-004	0.0000	0.6383	0.6383	5.0000e-005	0.0000	0.6397

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3.7 Architectural Coating - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0000e-005	2.0000e-005	2.3000e-004	0.0000	5.0000e-005	0.0000	6.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0527	0.0527	0.0000	0.0000	0.0527
Total	3.0000e-005	2.0000e-005	2.3000e-004	0.0000	5.0000e-005	0.0000	6.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0527	0.0527	0.0000	0.0000	0.0527

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0315	0.1614	0.4394	1.3400e-003	0.1027	1.5700e-003	0.1043	0.0275	1.4700e-003	0.0290	0.0000	123.4459	123.4459	7.2500e-003	0.0000	123.6270
Unmitigated	0.0315	0.1614	0.4394	1.3400e-003	0.1027	1.5700e-003	0.1043	0.0275	1.4700e-003	0.0290	0.0000	123.4459	123.4459	7.2500e-003	0.0000	123.6270

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	79.08	85.92	72.84	270,521	270,521
Total	79.08	85.92	72.84	270,521	270,521

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.548007	0.045751	0.200309	0.124119	0.017133	0.006025	0.018861	0.028423	0.002391	0.002469	0.004915	0.000672	0.000925

5.0 Energy Detail

Historical Energy Use: N

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5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	25.7428	25.7428	6.7000e-004	1.4000e-004	25.8008
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	25.7428	25.7428	6.7000e-004	1.4000e-004	25.8008
NaturalGas Mitigated	1.0600e-003	9.0300e-003	3.8400e-003	6.0000e-005		7.3000e-004	7.3000e-004		7.3000e-004	7.3000e-004	0.0000	10.4634	10.4634	2.0000e-004	1.9000e-004	10.5256
NaturalGas Unmitigated	1.0600e-003	9.0300e-003	3.8400e-003	6.0000e-005		7.3000e-004	7.3000e-004		7.3000e-004	7.3000e-004	0.0000	10.4634	10.4634	2.0000e-004	1.9000e-004	10.5256

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	196077	1.0600e-003	9.0300e-003	3.8400e-003	6.0000e-005		7.3000e-004	7.3000e-004		7.3000e-004	7.3000e-004	0.0000	10.4634	10.4634	2.0000e-004	1.9000e-004	10.5256
Total		1.0600e-003	9.0300e-003	3.8400e-003	6.0000e-005		7.3000e-004	7.3000e-004		7.3000e-004	7.3000e-004	0.0000	10.4634	10.4634	2.0000e-004	1.9000e-004	10.5256

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5.2 Energy by Land Use - NaturalGas

Mitigated

NaturalGas Use	Land Use	CO _{2e}	CH ₄	N ₂ O	Total CO ₂	Bio-CO ₂	NBio-CO ₂	Total CO ₂	CO _{2e}
196077	1,0600e-003	9,0300e-003	3,8400e-003	6,0000e-005	7,3000e-004	7,3000e-004	0.0000	10.4634	10.5256
Apartment's Low Rise	196077	1,0600e-003	9,0300e-003	3,8400e-003	6,0000e-005	7,3000e-004	7,3000e-004	10.4634	10.5256
Total	1,0600e-003	9,0300e-003	3,8400e-003	6,0000e-005	7,3000e-004	7,3000e-004	0.0000	10.4634	10.5256
Land Use		tons/yr							
Apartment's Low Rise		MT/yr							
NaturalGas Use	CO ₂	NO _x	SO ₂	Fugitive PM ₁₀	Exhaust PM ₁₀	Total PM ₁₀	Fugitive PM _{2.5}	Exhaust PM _{2.5}	Total PM _{2.5}
196077	1,0600e-003	9,0300e-003	3,8400e-003	6,0000e-005	7,3000e-004	7,3000e-004	7,3000e-004	7,3000e-004	7,3000e-004
Apartment's Low Rise	196077	1,0600e-003	9,0300e-003	3,8400e-003	6,0000e-005	7,3000e-004	7,3000e-004	7,3000e-004	7,3000e-004
Total	1,0600e-003	9,0300e-003	3,8400e-003	6,0000e-005	7,3000e-004	7,3000e-004	7,3000e-004	7,3000e-004	7,3000e-004

5.3 Energy by Land Use - Electricity

Unmitigated

Electricity Use	Land Use	CO _{2e}	CH ₄	N ₂ O	Total CO ₂
50884.7	25,7428	6,7000e-004	1,4000e-004	25,7428	25,8008
Apartment's Low Rise	50884.7	6,7000e-004	1,4000e-004	25,7428	25,8008
Total	25,7428	6,7000e-004	1,4000e-004	25,7428	25,8008
Land Use		kWh/yr			
Apartment's Low Rise		MT/yr			
Electricity Use	CO ₂	CH ₄	N ₂ O	CO _{2e}	
50884.7	25,7428	6,7000e-004	1,4000e-004	25,7428	25,8008
Apartment's Low Rise	50884.7	6,7000e-004	1,4000e-004	25,7428	25,8008
Total	25,7428	6,7000e-004	1,4000e-004	25,7428	25,8008

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5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	50884.7	25.7428	6.7000e-004	1.4000e-004	25.8008
Total		25.7428	6.7000e-004	1.4000e-004	25.8008

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.1046	4.5500e-003	0.2007	2.0000e-004		0.0121	0.0121		0.0121	0.0121	1.2746	2.6516	3.9262	4.0000e-003	9.0000e-005	4.0520
Unmitigated	0.1046	4.5500e-003	0.2007	2.0000e-004		0.0121	0.0121		0.0121	0.0121	1.2746	2.6516	3.9262	4.0000e-003	9.0000e-005	4.0520

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6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	4.9000e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0565					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0393	3.1100e-003	0.0763	1.9000e-004		0.0115	0.0115		0.0115	0.0115	1.2746	2.4494	3.7240	3.8000e-003	9.0000e-005	3.8448
Landscaping	3.8100e-003	1.4400e-003	0.1244	1.0000e-005		6.8000e-004	6.8000e-004		6.8000e-004	6.8000e-004	0.0000	0.2022	0.2022	2.0000e-004	0.0000	0.2071
Total	0.1046	4.5500e-003	0.2006	2.0000e-004		0.0121	0.0121		0.0121	0.0121	1.2746	2.6516	3.9262	4.0000e-003	9.0000e-005	4.0520

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6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	4.9000e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0565					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0393	3.1100e-003	0.0763	1.9000e-004		0.0115	0.0115		0.0115	0.0115	1.2746	2.4494	3.7240	3.8000e-003	9.0000e-005	3.8448
Landscaping	3.8100e-003	1.4400e-003	0.1244	1.0000e-005		6.8000e-004	6.8000e-004		6.8000e-004	6.8000e-004	0.0000	0.2022	0.2022	2.0000e-004	0.0000	0.2071
Total	0.1046	4.5500e-003	0.2006	2.0000e-004		0.0121	0.0121		0.0121	0.0121	1.2746	2.6516	3.9262	4.0000e-003	9.0000e-005	4.0520

7.0 Water Detail

7.1 Mitigation Measures Water

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	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	8.1688	0.0257	6.4000e-004	9.0028
Unmitigated	8.1688	0.0257	6.4000e-004	9.0028

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	0.781848 / 0.492904	8.1688	0.0257	6.4000e-004	9.0028
Total		8.1688	0.0257	6.4000e-004	9.0028

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7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	0.781848 / 0.492904	8.1688	0.0257	6.4000e-004	9.0028
Total		8.1688	0.0257	6.4000e-004	9.0028

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	1.1205	0.0662	0.0000	2.7760
Unmitigated	1.1205	0.0662	0.0000	2.7760

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8.2 Waste by Land Use
Unmitigated

Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr		
Apartments Low Rise	5.52	1.1205	0.0662	2.7760
Total		1.1205	0.0662	2.7760

Mitigated

Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr		
Apartments Low Rise	5.52	1.1205	0.0662	2.7760
Total		1.1205	0.0662	2.7760

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation
