



*An Employee-Owned Company*

May 7, 2025

Mr. Michael Torres  
TTLIC Oceanside Garrison, LLC  
4350 Von Karman Ave, Suite 200  
Newport Beach, CA 92660

Reference: Noise Analysis for the Garrison Multi-Family Project (RECON Number 10550)

Dear Mr. Torres:

The purpose of this report is to assess potential noise impacts from construction and operation of the Garrison Multi-Family Project (project). Impacts are assessed in accordance with standards established in the City of Oceanside's (City) General Plan Noise Element and the City's Municipal Code.

## **1.0 Introduction**

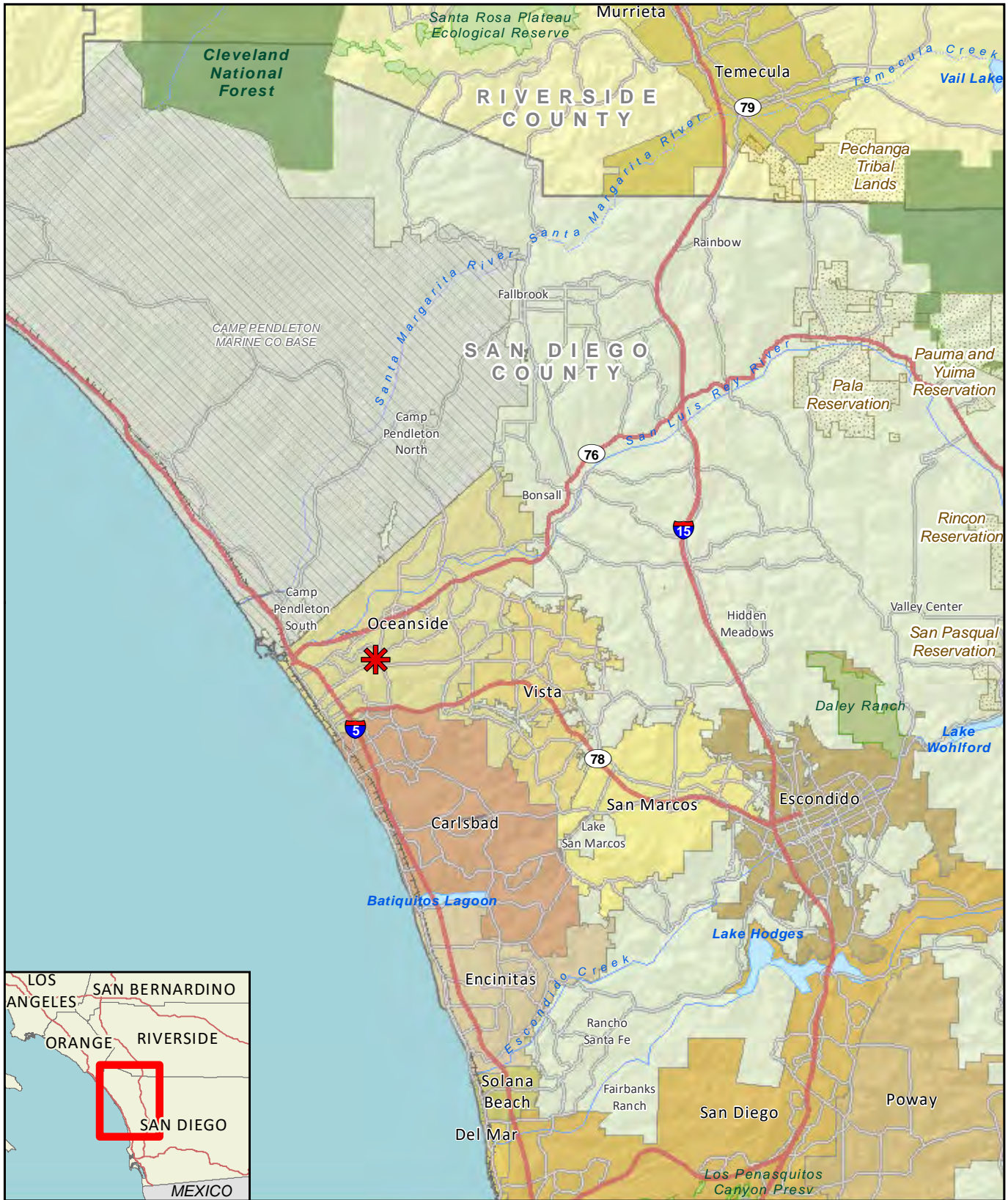
### **1.1 Project Description**

The project site is the 8.3-acre property identified as Assessor's Parcel Number 162-020-26-00 at 333 Garrison Street. The topography of the project site is relatively flat, gently sloping down toward the south end, with larger slopes on the western edge. The project site sits within the Loma Alta community of the city of Oceanside. The project site is east of Interstate 5, south of State Route 79, west of El Camino Real, and north of Oceanside Boulevard. The project site is within a low vehicle miles traveled (VMT) area per the San Diego Association of Governments (SANDAG) VMT screening maps. Figure 1 shows the project's regional location and Figure 2 shows the project location on an aerial photograph.

The project site is currently occupied by a vacant school comprising approximately 10 abandoned school structures, playground equipment, and some miscellaneous maintenance materials. The project site has been unused for four years since it closed in 2020. The project would include demolition and removal of all structures and materials, along with the finish surfaces of the playground, prior to the start of grading for the proposed residential construction. The project proposes a total of 140 three-story townhomes ranging in size from 1,320 square feet to 2,100 square feet. The proposed density would be 16.9 dwelling units per acre, which is consistent with the proposed Medium Density Residential-C (MDC-R) zoning designation. Additional residential amenities would include passive recreational fields, dog park, and picnic areas. Figure 3 shows the proposed site plan.





### **1.2 Fundamentals of Noise**

Sound levels are described in units called the decibel (dB). Decibels are measured on a logarithmic scale that quantifies sound intensity in a manner similar to the Richter scale used for earthquake magnitudes. Thus, a doubling of the energy of a noise source, such as doubling of traffic volume, would increase the noise level by 3 dB; a halving of the energy would result in a 3 dB decrease.



 Project Location



-  Project Boundary
-  On-site Project Impacts
-  Off-site Project Impacts
-  Off-site Access Road Grading

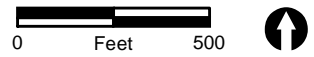
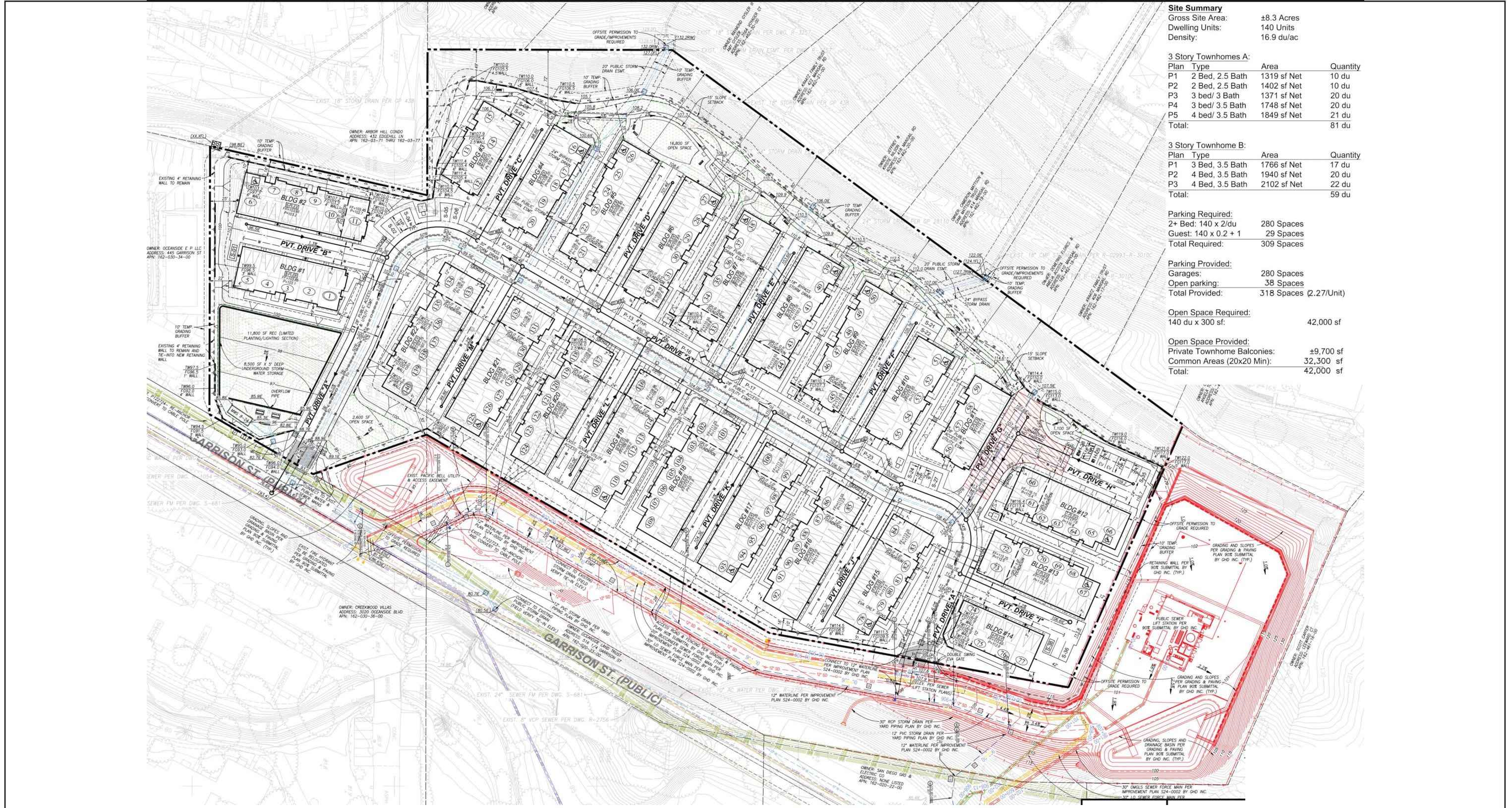


FIGURE 2  
Project Location on Aerial Photograph



**Site Summary**

Gross Site Area:	±8.3 Acres
Dwelling Units:	140 Units
Density:	16.9 du/ac

**3 Story Townhomes A:**

Plan	Type	Area	Quantity
P1	2 Bed, 2.5 Bath	1319 sf Net	10 du
P2	2 Bed, 2.5 Bath	1402 sf Net	10 du
P3	3 bed/ 3 Bath	1371 sf Net	20 du
P4	3 bed/ 3.5 Bath	1748 sf Net	20 du
P5	4 bed/ 3.5 Bath	1849 sf Net	21 du
<b>Total:</b>			<b>81 du</b>

**3 Story Townhome B:**

Plan	Type	Area	Quantity
P1	3 Bed, 3.5 Bath	1766 sf Net	17 du
P2	4 Bed, 3.5 Bath	1940 sf Net	20 du
P3	4 Bed, 3.5 Bath	2102 sf Net	22 du
<b>Total:</b>			<b>59 du</b>

**Parking Required:**

2+ Bed: 140 x 2/du	280 Spaces
Guest: 140 x 0.2 + 1	29 Spaces
<b>Total Required:</b>	<b>309 Spaces</b>

**Parking Provided:**

Garages:	280 Spaces
Open parking:	38 Spaces
<b>Total Provided:</b>	<b>318 Spaces (2.27/Unit)</b>

**Open Space Required:**  
140 du x 300 sf: 42,000 sf

**Open Space Provided:**

Private Townhome Balconies:	±9,700 sf
Common Areas (20x20 Min):	32,300 sf
<b>Total:</b>	<b>42,000 sf</b>

FIGURE 3  
Site Plan

Additionally, in technical terms, sound levels are described as either a “sound power level” or a “sound pressure level,” which while commonly confused are two distinct characteristics of sound. Both share the same unit of measure, the dB. However, sound power, expressed as  $L_{pw}$ , is the energy converted into sound by the source. The  $L_{pw}$  is used to estimate how far a noise will travel and to predict the sound levels at various distances from the source. As sound energy travels through the air, it creates a sound wave that exerts pressure on receivers such as an eardrum or microphone and is the sound pressure level. Noise measurement instruments only measure sound pressure, and noise level limits used in standards are generally sound pressure levels.

The human ear is not equally sensitive to all frequencies within the sound spectrum. To accommodate this phenomenon, the A-scale, which approximates the frequency response of the average young ear when listening to most ordinary everyday sounds, was devised. When people make relative judgments of the loudness or annoyance of a sound, their judgments correlate well with the A-scale sound levels of those sounds. Therefore, the “A-weighted” noise scale is used for measurements and standards involving the human perception of noise. Noise levels using A-weighted measurements are designated with the notation dB(A). The impact of noise is not a function of loudness alone. The time of day when noise occurs and the duration of the noise are also important. In addition, most noise that lasts for more than a few seconds is variable in its intensity. Consequently, a variety of noise descriptors has been developed. The noise descriptors used for this study are the one-hour equivalent noise level ( $L_{eq}$ ), the community noise equivalent level (CNEL), and the day night equivalent level ( $L_{dn}$ ). The CNEL is a 24-hour equivalent sound level. The CNEL calculation applies an additional 5 dB(A) penalty to noise occurring during evening hours, between 7:00 p.m. and 10:00 p.m., and an additional 10 dB(A) penalty is added to noise occurring during the night, between 10:00 p.m. and 7:00 a.m. These increases for certain times are intended to account for the added sensitivity of humans to noise during the evening and night. Similar to the CNEL, the  $L_{dn}$  is a 24-hour equivalent level that applies an additional 10 dB(A) penalty to noise occurring during the night.

Sound from a small, localized source (approximating a “point” source) radiates uniformly outward as it travels away from the source in a spherical pattern, known as geometric spreading. The sound level decreases or drops off at a rate of 6 dB(A) for each doubling of the distance.

Traffic noise is not a single, stationary point source of sound. The movement of vehicles makes the source of the sound appear to emanate from a line (line source) rather than a point when viewed over some time interval. The drop-off rate for a line source is 3 dB(A) for each doubling of distance.

The propagation of noise is also affected by the intervening ground, known as ground absorption. A hard site (such as parking lots or smooth bodies of water) receives no additional ground attenuation, and the changes in noise levels with distance (drop-off rate) are simply the geometric spreading of the source. A soft site (such as soft dirt, grass, or scattered bushes and trees) receives an additional ground attenuation value of 1.5 dB(A) per doubling of distance. Thus, a point source over a soft site would attenuate at 7.5 dB(A) per doubling of distance.

Human perception of noise has no simple correlation with acoustical energy. A change in noise levels is generally perceived as follows: 3 dB(A) barely perceptible, 5 dB(A) readily perceptible, and 10 dB(A) perceived as a doubling or halving of noise (California Department of Transportation 2013).

## 2.0 Applicable Standards

### 2.1 Federal

The Federal Transit Administration (FTA) Transit Noise and Vibration Impact Assessment Manual (FTA 2018) recommends a daytime construction noise level threshold of 80 dB(A)  $L_{eq(8)}$  when detailed construction noise assessments are performed to evaluate potential impacts to community residences surrounding a project. Although

this guidance is not a regulation, it can serve as a quantified standard in absence of such limits at the state and local jurisdiction levels.

## 2.2 State

For residential uses, interior noise levels for habitable rooms are regulated also by Title 24 of the California Code of Regulations, California Noise Insulation Standards. Title 24, Chapter 12, Section 1206.4 of the 2022 California Building Code requires that interior noise levels attributable to exterior sources not exceed 45 CNEL in any habitable room within a residential structure. A habitable room is a room used for living, sleeping, eating, or cooking. Bathrooms, closets, hallways, utility spaces, and similar areas are not considered habitable rooms for this regulation.

## 2.3 Local

### 2.3.1 General Plan

#### Existing General Plan

The City's General Plan Noise Element establishes acceptable noise levels within the City's jurisdiction. The Noise Element establishes the following noise level regulations for construction related noise:

- 1) It should be unlawful for any person within any residential zone of 500 feet therefrom to operate any pile driver, power shovel, pneumatic, power hoist, or other construction equipment between 8:00 p.m. and 7:00 a.m. generating an ambient noise level of 50 dB(A) at any property line, unless an emergency exists.
- 2) It should be unlawful for any person to operate any construction equipment at a level in excess of 85 dB(A) at 100 feet from the source.
- 3) It should be unlawful for any person to engage in construction activities between 6:00 p.m. and 7:00 a.m. when such activities exceed the ambient noise level by 5 dB(A). A special permit may be granted by the Director of Public Works if extenuating circumstances exist.

The Noise Element also outlines general noise policies as follows:

- Noise levels shall not be so loud as to cause danger to public health in all zones except manufacturing zones where noise levels may be greater.
- Noise shall be controlled at the source where possible.
- Noise shall be intercepted by barriers or dissipated by space where the source cannot be controlled.
- Noise shall be reduced from structures by the use of soundproofing where other controls fail or are impractical.
- Noise levels shall be considered in the approval of any projects or activities, public or private, which requires a permit or other approval from the City.
- Noise levels shall be considered in any changes to the Land Use and Circulation Elements of the General Plan.
- Noise levels of City vehicles, construction equipment, and garbage trucks shall be reduced to acceptable levels.

In a manner similar to the state's land use planning guidelines, the City's Noise Element establishes an implementation recommendation that puts attention to the careful planning of future residents in areas "subjected to noise levels of 65 dBA or higher."

For interior noise, the Noise Element refers to the aforementioned California Code of Regulations Title 24 noise insulation standard: 45 dB(A) CNEL as the maximum acceptable level for inhabited rooms when exterior noise levels

are 60 dB(A) CNEL or more. This implies that if windows and doors are required to be closed to meet this standard, then mechanical ventilation (i.e., air conditioning) shall be included in the project design.

General Plan Update

The City is currently in the process of adopting a General Plan Update (GPU). The Draft GPU EIR was released for public review on June 3, 2024. The GPU includes a Healthy and Livable Communities Element (HLC) that contains goals and policies related to noise. If the GPU is adopted, these HLC Element noise goals and policies will replace the existing General Plan Noise Element. The noise level standards specified in the HLC Element are shown in Tables 1 and 2.

Table 1 Sound Level Limits Matrix								
Land Use Category	Exterior Day/Night Noise Levels DNL or L <sub>dn</sub> , dB						Interpretation	
	55	60	65	70	75	80		
Residential – Single-Family	Green	Green					<p><b>Normally Acceptable:</b> Specified land use is satisfactory, based upon the assumption that any buildings involved are of normal conventional construction, without any special noise insulation requirements</p> <p><b>Conditionally Acceptable:</b> New construction or development should be undertaken only after a detailed analysis of the noise reduction requirements is made and needed noise insulation features included in the design.</p> <p><b>Normally Unacceptable:</b> New construction or development should generally be discouraged. If new construction or development does proceed, a detailed analysis of the noise reduction requirements must be made and needed noise insulation features included in the design.</p> <p><b>Clearly Unacceptable:</b> New construction or development clearly should not be undertaken.</p>	
	Green	Green	Blue	Blue				
	Green	Green	Blue	Blue	Orange	Orange		Red
Residential – Multiple Family	Green	Green	Green					
	Green	Green	Blue	Blue				
	Green	Green	Blue	Blue	Orange	Orange		Red
Transient Lodging – Motels, Hotels	Green	Green	Green					
	Green	Green	Blue	Blue				
	Green	Green	Blue	Blue	Orange	Orange		Red
Schools, Libraries, Churches, Hospitals, Nursing Homes	Green	Green	Green					
	Green	Green	Blue	Blue				
	Green	Green	Blue	Blue	Orange	Orange	Red	
Auditoriums, Concert	Blue	Blue	Blue					
	Blue	Blue	Blue	Orange	Orange	Orange		
	Blue	Blue	Blue	Orange	Orange	Orange		
Sports Arena, Outdoor	Blue	Blue	Blue	Blue				
	Blue	Blue	Blue	Blue	Orange	Orange		
	Blue	Blue	Blue	Blue	Orange	Orange		
Playgrounds, Parks	Green	Green	Green					
	Green	Green	Green					
	Green	Green	Green	Orange	Orange	Orange	Red	
Golf Courses, Riding Stables, Water Recreation, Cemeteries	Green	Green	Green	Green				
	Green	Green	Green	Green				
	Green	Green	Green	Green	Orange	Orange	Red	
Office Buildings, Business Commercial and Professional	Green	Green	Green					
	Green	Green	Green	Blue	Blue	Blue		
	Green	Green	Green	Blue	Blue	Orange	Orange	
Industrial, Manufacturing, Utilities, Agriculture	Green	Green	Green	Green				
	Green	Green	Green	Green				
	Green	Green	Green	Blue	Blue	Orange	Orange	

Table 2 Allowable Noise Exposure		
Land Use	Outdoor Activity <sup>1,2</sup> Areas [dB(A) CNEL] <sup>3</sup>	Interior Spaces [dB(A) CNEL]
Residential	60 <sup>4</sup>	45
Motels, Hotels	65	45
Hospitals, Residential Care Facilities, Schools, Libraries, Museums, Churches, Day Care Facilities	65	45
Playgrounds, Parks, Recreation Uses	65	50
Commercial and Office Uses	65	50
Industrial Uses	70	65
<p>NOTE: Development proposed within the Oceanside Municipal Airport Area of Influence shall also be subject to the noise compatibility standards contained in the Airport Land Use Compatibility Plan (ALUCP).</p> <p><sup>1</sup>For non-residential uses, where an outdoor activity area is not proposed, the standard does not apply. Where the location of outdoor activity areas is unknown, the exterior noise level standard shall be applied to the property line of the receiving use.</p> <p><sup>2</sup>Where it is not possible to reduce noise in outdoor activity areas to the allowable maximum, levels up to 5 dB higher may be allowed provided that available exterior noise level reduction measures have been implemented and interior noise levels are in compliance with this table.</p> <p><sup>3</sup>dB(A) CNEL = A-weighted decibels community noise equivalent level.</p> <p><sup>4</sup>An exterior noise exposure level of 65 dB(A) CNEL is allowable for residential uses in a mixed-use project and for residential uses within the Oceanside Municipal Airport Area of Influence, pursuant to the noise compatibility policies contained in the ALUCP.</p>		

### 2.3.2 Municipal Code

Section 38 of the City’s Code of Ordinances, known as the Noise Control Ordinance, establishes noise level limits for stationary sources. Noise level limits are specific to base district zones such as residential zones, commercial zones, etc. Except for exempted activities, it is unlawful for any person to cause or allow the creation of any noise in excess of applicable noise level limits at or beyond the property boundary. When property lines form the joint boundary of two zones, the sound level limit shall be the arithmetic mean of the limit applicable to each of the zones. Table 3 below summarizes noise level limits.

Table 3 Sound Level Limits [dB(A)]		
Base District Zone	7:00 a.m. to 9:59 p.m.	10:00 p.m. to 6:59 a.m.
(1) Residential Districts:		
RE (Residential Estate)	50	45
RS (Single-Family)	50	45
RM (Medium Density)	50	45
RH (High Density)	55	50
RT (Residential Tourist)	55	50
(2) C (Commercial)	65	60
(3) I (Industrial)	70	65
(4) D (Downtown)	65	55
(5) A (Agricultural)	50	45
(6) OS (Open Space)	50	45
SOURCE: Noise Control Ordinance Subsection 38.12.		

The Noise Control Ordinance has not established any upper limits for construction noise because it is temporary and will cease to occur after completion of the project construction. The Noise Control Ordinance regulates the timing of construction activities and includes special provisions for sensitive land uses. Section 38.17(h) of the Noise Control Ordinance prohibits construction between the hours of 10:00 p.m. and 7:00 a.m. Monday through Saturday. No construction activities shall occur outside of these hours, on Sundays, or federal holidays.

### 2.3.3 Engineering Manual

Construction noise in Oceanside is governed by the City Engineering Manual. Construction is normally limited to the hours of 7:00 a.m. to 6:00 p.m., Monday through Friday.

### 3.0 Existing Conditions

Existing noise levels on and in the vicinity of the project site were measured on May 22, 2024, using one Larson-Davis Model LxT, Type 1 Integrating Sound Level Meter, serial number 3829. The following parameters were used:



Filter:	A-weighted
Response:	Slow
Interval Period	1 minute
Time History Period:	5 seconds

The meter was calibrated before measurement. The meter was set five feet above the ground level for each measurement. The weather was mild and partly cloudy with a slight breeze during the measurement period.

Measurement 1 was located at the southeastern project boundary near Garrison Street. Measurement 2 was located at the eastern project boundary. Measurement 3 was located at the northwestern project boundary. The main sources of noise observed during the measurements were vehicle traffic on El Camino Real and vehicle traffic on more distant roadways. Other sources of noise included bird vocalizations. Noise levels were measured for 15 minutes at each location. The average measured noise levels are summarized in Table 4. The measurement locations are shown on Figure 4, and noise measurement data is provided in Attachment 1.

Table 4 Noise Measurement Summary				
Measurement	Location	Time	Measured Noise Level [dB(A) L <sub>eq</sub> ]	Main Noise Source
1	Southeastern project boundary	9:05 a.m. – 9:20 a.m.	49.1	Vehicle traffic on El Camino Real
2	Eastern project boundary	9:46 a.m. – 10:01 a.m.	48.8	
3	Northwestern project boundary	9:29 a.m. – 9:44 a.m.	52.4	
dB(A) L <sub>eq</sub> = A-weighted decibels one-hour equivalent noise level				



-  Project Boundary
-  Noise Measurements

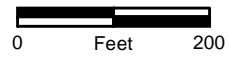


FIGURE 4  
Noise Measurement Locations

#### 4.0 Methodology

Noise level predictions and contour mapping were developed using noise modeling software, SoundPLAN Essential, version 4.1 (Navcon Engineering 2018). SoundPLAN calculates noise propagation based on the International Organization for Standardization method (ISO 9613-2 – Acoustics, Attenuation of Sound during Propagation Outdoors). The model calculates noise levels at selected receiver locations using input parameter estimates such as total noise generated by each noise source; distances between sources, barriers, and receivers; and shielding provided by intervening terrain, barriers, and structures. The model outputs can be developed as noise level contour maps or noise levels at specific receivers. In all cases, receivers were modeled at 5 feet above ground elevation, which represents the average height of the human ear.

#### 4.1 Construction Noise Analysis

Project construction noise would be generated by diesel engine-driven construction equipment used for site preparation and grading, building construction, loading, unloading, and placing materials and paving. Diesel engine-driven trucks also would bring materials to the site and remove the soils from excavation.

Construction equipment with a diesel engine typically generates maximum noise levels from 70 to 95 dB(A)  $L_{eq}$  at a distance of 50 feet (Federal Highway Administration [FHWA] 2006 and 2008; Federal Transit Authority 2018). During construction, equipment moves to different locations and goes through varying load cycles, and there are breaks for the operators and for non-equipment tasks, such as measurement. Table 5 summarizes typical construction equipment noise levels and duty cycles.

Equipment	Noise Level at 50 Feet [dB(A) $L_{eq}$ ]	Typical Duty Cycle
Auger Drill Rig	85	20%
Backhoe	80	40%
Blasting	94	1%
Chain Saw	85	20%
Clam Shovel	93	20%
Compactor (ground)	80	20%
Compressor (air)	80	40%
Concrete Mixer Truck	85	40%
Concrete Pump	82	20%
Concrete Saw	90	20%
Crane (mobile or stationary)	85	20%
Dozer	85	40%
Dump Truck	84	40%
Excavator	85	40%
Front End Loader	80	40%
Generator (25 kilovolt amps or less)	70	50%
Generator (more than 25 kilovolt amps)	82	50%
Grader	85	40%
Hydra Break Ram	90	10%
Impact Pile Driver (diesel or drop)	95	20%
In situ Soil Sampling Rig	84	20%

Table 5 Typical Construction Equipment Noise Levels		
Equipment	Noise Level at 50 Feet [dB(A) $L_{eq}$ ]	Typical Duty Cycle
Jackhammer	85	20%
Mounted Impact Hammer (hoe ram)	90	20%
Paver	85	50%
Pneumatic Tools	85	50%
Pumps	77	50%
Rock Drill	85	20%
Roller	74	40%
Scraper	85	40%
Tractor	84	40%
Vacuum Excavator (vac-truck)	85	40%
Vibratory Concrete Mixer	80	20%
Vibratory Pile Driver	95	20%
dB(A) $L_{eq}$ = A-weighted decibels average noise level SOURCE: Federal Highway Administration 2006 and 2008; Federal Transit Authority 2018.		

Residential uses surround the project site. Construction noise levels were modeled at the adjacent receivers assuming the simultaneous use of an excavator, grader, and scraper, which would generate a combined sound power level of 117.4 dB(A)  $L_{pw}$ . This noise level was modeled as an area source covering the entire project site and off-site grading areas.

## 4.2 Traffic Noise Analysis

### 4.2.1 On-Site Compatibility

The SoundPLAN program uses the FHWA Traffic Noise Model algorithms and reference levels to calculate traffic noise levels at selected receiver locations. The model uses various input parameters, such as projected hourly average traffic rates; vehicle mix, distribution, and speed; roadway lengths and gradients; distances between sources, barriers, and receivers; and shielding provided by intervening terrain, barriers, and structures. Receivers, roadways, and barriers were input into the model using three-dimensional coordinates.

The main source of traffic noise at the project site is vehicle traffic on Garrison Street, Oceanside Boulevard, El Camino Real, and Mesa Drive. Existing and future traffic volumes without and with the project for Garrison Street and Oceanside Boulevard were obtained from the Local Transportation Study (LTS) prepared for the project (CR Associates 2024). The LTS does not include traffic volumes for El Camino Real or Mesa Drive since these roadways were not included in the traffic study area. Future traffic volumes for these roadways were obtained from the SANDAG Transportation Forecast Information Center (SANDAG 2024). A vehicle classification mix of 93 percent automobiles, 3 percent medium trucks, 2 percent heavy trucks, 1 percent buses, and 1 percent motorcycles was modeled for Oceanside Boulevard, El Camino Real, and Mesa Drive, and a vehicle classification mix of 95 percent automobiles, 2 percent medium trucks, 1 percent heavy trucks, 1 percent buses, and 1 percent motorcycles was modeled for Garrison Street. Table 6 summarizes the modeled future vehicle traffic parameters.

Table 6 Vehicle Traffic Parameters							
Roadway Segment	Future (Year 2050) ADT	Vehicle Classification (percent)					Speed (mph)
		Automobiles	Heavy Trucks	Medium Trucks	Buses	Motorcycles	
Garrison Street	2,173	95	2	1	1	1	25
Oceanside Boulevard							
Foussat Road to Garrison Street	32,395	93	3	2	1	1	40
Garrison Street to El Camino Real	32,978	93	3	2	1	1	40
El Camino Real	39,500	93	3	2	1	1	45
Mesa Drive	4,900	93	3	2	1	1	40
SOURCE: CR Associates 2024, SANDAG 2024. ADT = average daily traffic; mph = miles per hour							

#### 4.2.2 Off-Site Noise Increase

An off-site traffic noise impact analysis was also prepared for the project. Off-site traffic noise was modeled using the FHWA Traffic Noise Prediction Model algorithms and reference levels. Traffic noise levels were calculated at 50 feet from the centerline of the affected roadways to determine the noise level increase associated with the project. The model uses various input parameters, such as traffic volumes, vehicle mix, distribution, and speed. The analysis of the noise environment considered that the topography was flat with no intervening terrain between sensitive land uses and roadways. Because modeled predicted noise levels do not account for obstructions, they are higher than those that would actually occur. In actuality, buildings and other obstructions along the roadways would shield distant receivers from the traffic noise.

The analysis of the increase in off-site vehicle traffic noise levels is based on existing, open year (year 2027), and horizon year (year 2050) traffic volumes without and with the project obtained from the LTS. Off-site volumes for the roadways included in the LTS are summarized in Table 7.

Table 7 Off-Site Roadway Volumes						
Roadway Segment	Existing ADT		Year 2027 ADT		Year 2050 ADT	
	Without Project	With Project	Without Project	With Project	Without Project	With Project
Garrison Street	943	1,916	943	1,916	1,200	2,173
Oceanside Boulevard						
Foussat Road to Garrison Street	26,607	26,802	30,279	30,474	32,200	32,395
Garrison Street to El Camino Real	26,264	27,042	29,936	30,714	32,200	32,978
SOURCE: CR Associates 2024. ADT = average daily traffic						

#### 4.3 On-Site Noise Analysis

Operational noise sources on the project site are anticipated to be typical of any multi-family residential neighborhood, such as vehicles arriving and leaving, children at play, and landscape maintenance machinery. None of these noise sources associated with multi-family uses are anticipated to violate the City’s Municipal Code or result in a substantial permanent increase in existing noise levels. The project would include heating, ventilation, and air

conditioning (HVAC) units. Noise levels due to HVAC units were modeled to determine if they have the potential to produce noise in excess of City limits.

The HVAC equipment would be located on the ground next to each unit. It is not known at this time which manufacturer, brand, or model of unit or units would be selected for use in the project. For the purposes of this analysis, to determine what general noise levels the HVAC units would generate, it was assumed that the HVAC units would be similar to a Trane unit with a sound power level of 72 dB(A). Units were modeled at 100 percent capacity during the daytime and evening hours and 50 percent capacity during the nighttime hours. HVAC specifications are provided in Attachment 2.

## 5.0 Noise Impacts

### 5.1 Construction Noise Analysis

Residential uses surround the project site. Noise associated with the construction of the project was modeled at a series of 16 receivers located at the adjacent properties. The results are summarized in Table 8. Construction noise contours are shown in Figure 5. SoundPLAN data is contained in Attachment 3.

Table 8 Construction Noise Levels at Off-Site Receivers [dB(A) $L_{eq}$ ]		
Receiver	Land Use	Construction Noise Level
1	Multi-Family Residential	65
2	Multi-Family Residential	62
3	Multi-Family Residential	69
4	Multi-Family Residential	69
5	Multi-Family Residential	62
6	Multi-Family Residential	60
7	Multi-Family Residential	60
8	Multi-Family Residential	59
9	Multi-Family Residential	57
10	Multi-Family Residential	55
11	Single-Family Residential	60
12	Single-Family Residential	63
13	Single-Family Residential	64
14	Single-Family Residential	63
15	Single-Family Residential	64
16	Single-Family Residential	64

dB(A)  $L_{eq}$  = A-weighted decibels equivalent noise level.

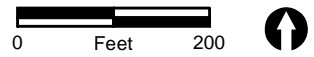
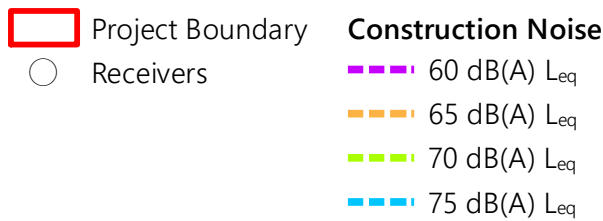


FIGURE 5  
Construction Noise Contours

As shown in Table 8, construction noise levels are anticipated to range from 55 to 69 dB(A)  $L_{eq}$  at the adjacent residential uses. As discussed in Section 2.3.2, the Noise Control Ordinance has not established any upper limits for construction noise. Table 7-10 of General Plan Noise Element provides standards for noise from non-transportation noise sources such as, but not limited to, industrial facilities, automotive servicing, car washes, equipment yards, nightclubs, hotels, and shopping centers. For the purposes of this analysis, the City is using a threshold of 75 dB(A)  $L_{eq}$  which is the maximum noise level limits presented in Table 7-10. As shown, construction noise levels would not exceed this limit. Although the existing adjacent uses would be exposed to construction noise levels that could be heard above ambient conditions, the exposure would be temporary. In accordance with Section 38.17(h) of the Noise Control Ordinance, construction activities would not occur before 7:00 a.m. or after 10:00 p.m. on Mondays through Saturdays and would not occur any time on Sundays and holidays. As construction activities associated with the project would comply with requirements of the Noise Control Ordinance, impacts associated with temporary increases in noise levels during construction would be less than significant.

## 5.2 Traffic Noise Analysis

### 5.2.1 On-site Noise Compatibility

Noise and land use compatibility is regulated by the Noise Element of the City’s General Plan. As shown in Table 1, multi-family land uses are normally acceptable with noise levels up to 65 CNEL, conditionally acceptable with noise levels from 55 to 70 CNEL, normally unacceptable with noise levels from 70 to 75 CNEL, and clearly unacceptable with noise levels above 75 CNEL. Additionally, as shown in Table 2, the allowable noise exposure for outdoor activity areas is 60 CNEL and the allowable noise exposure for interior spaces in 45 CNEL.

Vehicle traffic noise level contours across the project site were calculated using SoundPLAN. These contours take into account the project area topography and the proposed buildings. Noise levels were also modeled at a series of first- through third-floor receivers located around the perimeter of the project site. Vehicle traffic noise contours and receiver locations are shown in Figure 6. The results are summarized in Table 9. SoundPLAN data are provided in Attachment 4.

Receiver	1 <sup>st</sup> Floor	2 <sup>nd</sup> Floor	3 <sup>rd</sup> Floor
1	58	59	59
2	59	59	59
3	58	58	58
4	57	57	57
5	53	53	54
6	47	49	51
7	31	33	35
8	30	32	35
9	33	34	37
10	54	54	54
CNEL = community noise equivalent level			

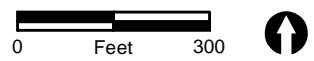
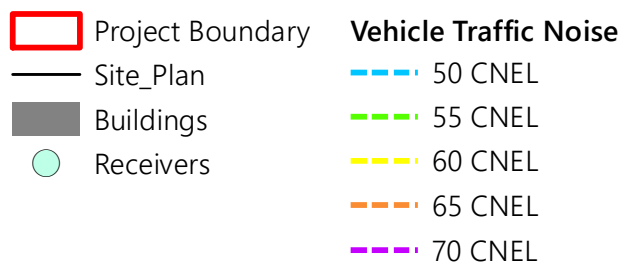


FIGURE 6  
Vehicle Traffic Noise Contours

As shown, exterior noise levels are not projected to exceed 60 CNEL and would be considered normally acceptable with the City’s noise compatibility standards. Therefore, the project would not expose receivers to exterior noise levels in excess of standards established in the City’s General Plan, and impacts would be less than significant.

Interior noise levels can be reduced through standard construction techniques. When windows are closed, standard construction techniques provide various exterior-to-interior noise level reductions depending on the type of structure and window. According to the FHWA’s Highway Traffic Noise Analysis and Abatement Guidance, buildings with masonry façades and double-glazed windows can be estimated to provide a noise level reduction of 35 dB, while light-frame structures with double-glazed windows may provide noise level reductions of 20 to 25 dB (FHWA 2011).

The interior noise level standard for residential uses is 45 CNEL. As shown in Table 9, exterior noise levels are projected to be 59 CNEL or less. Standard light-frame construction would reduce exterior to interior noise levels by at least 20 dB. Assuming a 20 dB exterior to interior noise reduction results in interior noise levels that would be 39 CNEL or less. Therefore, the project would not expose receivers to interior noise levels in excess of standards established in the General Plan, and impacts would be less than significant.

### 5.2.2 Off-Site Vehicle Traffic Noise

The project would contribute traffic to the local roadways. However, the project would not substantially alter the vehicle classifications mix on local or regional roadways, nor would the project alter the speed on an existing roadway or create a new roadway. Thus, the primary factor affecting off-site noise levels would be increased traffic volumes. While changes in noise levels would occur along any roadway where project-related traffic occurs, for noise assessment purposes, noise level increases are assumed to be greatest nearest the project site, as this location would represent the greatest concentration of project-related traffic. Long-term traffic noise that affects sensitive land uses would be considered substantial and constitute a significant noise impact if the project would:

- Increase noise levels by 5 dB or more where the no project noise level is less than 60 CNEL;
- Increase noise levels by 3 dB or more where the no project noise level is 60 CNEL to 65 CNEL; or
- Increase noise levels by 1.5 dB or more where the no project noise level is greater than 65 CNEL.

Using the off-site vehicle traffic parameters summarized in Table 7, the increase in noise levels was calculated. The results are summarized in Table 10. Noise calculations are provided in Attachment 5. As shown, vehicle traffic noise increases would not exceed the applicable thresholds. Therefore, operational roadway noise would not generate a substantial permanent increase in ambient noise levels for off-site noise sensitive land uses, and impacts would be less than significant.

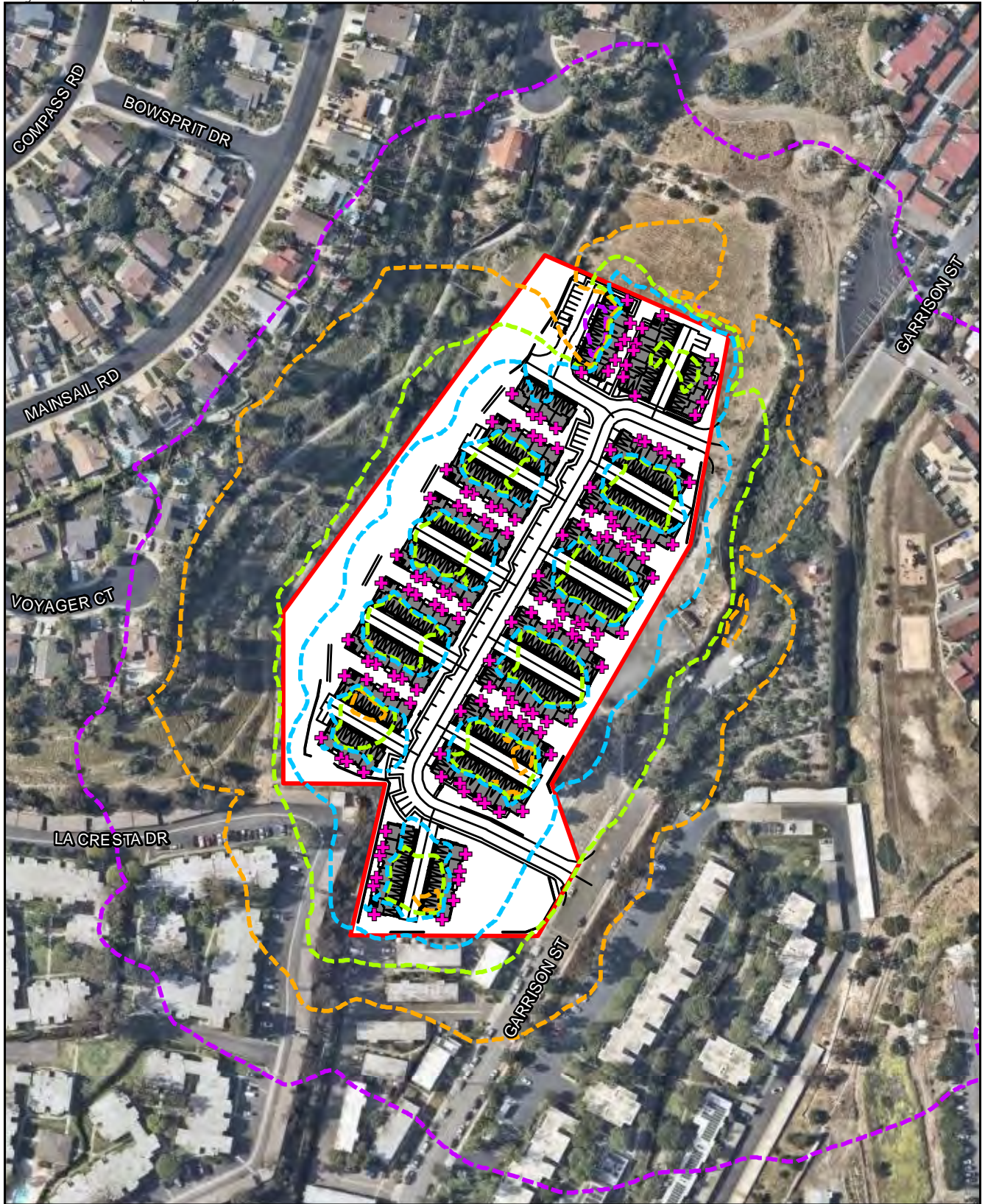
Table 10 Increase in Off-Site Vehicle Traffic Noise (CNEL)				
Roadway Segment	Existing Noise Level	Year 2050 + Project Noise Level	Increase Over Existing	Threshold
Garrison Street	53.4	57.0	3.6	5.0
Oceanside Boulevard				
Foussat Road to Garrison Street	72.7	73.6	0.9	1.5
Garrison Street to El Camino Real	72.6	73.6	1.0	1.5
SOURCE: CR Associates 2024. ADT = average daily traffic				

### 5.3 On-Site Noise Analysis

The primary noise sources on-site would be HVAC equipment. Using the on-site noise source parameters discussed in Section 4.3, noise levels were modeled at a series of 16 receivers located at the adjacent uses. Modeled receivers and daytime and nighttime operational noise contours are shown in Figures 7a and 7b, respectively. Modeled data is included in Attachment 6. Future projected noise levels are summarized in Table 11.

Table 11 HVAC Noise Levels at Off-Site Receivers [dB(A) $L_{eq}$ ]		
Receiver	Land Use	HVAC Noise Level Daytime/Nighttime
1	Multi-Family Residential – RM (Medium Density)	38/35
2	Multi-Family Residential – RM (Medium Density)	36/33
3	Multi-Family Residential – RM (Medium Density)	45/42
4	Multi-Family Residential – RM (Medium Density)	43/40
5	Multi-Family Residential – RM (Medium Density)	34/31
6	Multi-Family Residential – RM (Medium Density)	33/30
7	Multi-Family Residential – RM (Medium Density)	33/30
8	Multi-Family Residential – RM (Medium Density)	30/27
9	Multi-Family Residential – RM (Medium Density)	30/27
10	Multi-Family Residential – RM (Medium Density)	26/23
11	Single-Family Residential – RS (Single-Family)	31/28
12	Single-Family Residential – RS (Single-Family)	34/31
13	Single-Family Residential – RS (Single-Family)	35/32
14	Single-Family Residential – RS (Single-Family)	36/33
15	Single-Family Residential – RS (Single-Family)	36/33
16	Single-Family Residential – RS (Single-Family)	36/33
dB(A) $L_{eq}$ = A-weighted decibels equivalent noise level HVAC = heating, ventilation, and air conditioning		

The applicable noise level limits for single-family and medium density multi-family residential uses are 50 dB(A)  $L_{eq}$  from 7:00 a.m. to 10:00 p.m. and 45 dB(A)  $L_{eq}$  from 10:00 p.m. to 7:00 a.m. (see Table 3). As shown in Table 11, property line noise levels would range from 26 to 45 dB(A)  $L_{eq}$  during the daytime hours and 23 to 42 dB(A)  $L_{eq}$  during the nighttime hours. Noise levels would not exceed the applicable Noise Control Ordinance limits. Therefore, operational HVAC noise would not generate a substantial permanent increase in ambient noise levels for off-site noise sensitive land uses in excess of standards established in the City’s Noise Control Ordinance, and impacts would be less than significant.



- Project Boundary
- Buildings
- Site\_Plan
- + HVAC
- Daytime HVAC Noise**
- 30 dB(A)  $L_{eq}$
- 35 dB(A)  $L_{eq}$
- 40 dB(A)  $L_{eq}$
- 45 dB(A)  $L_{eq}$

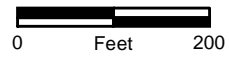
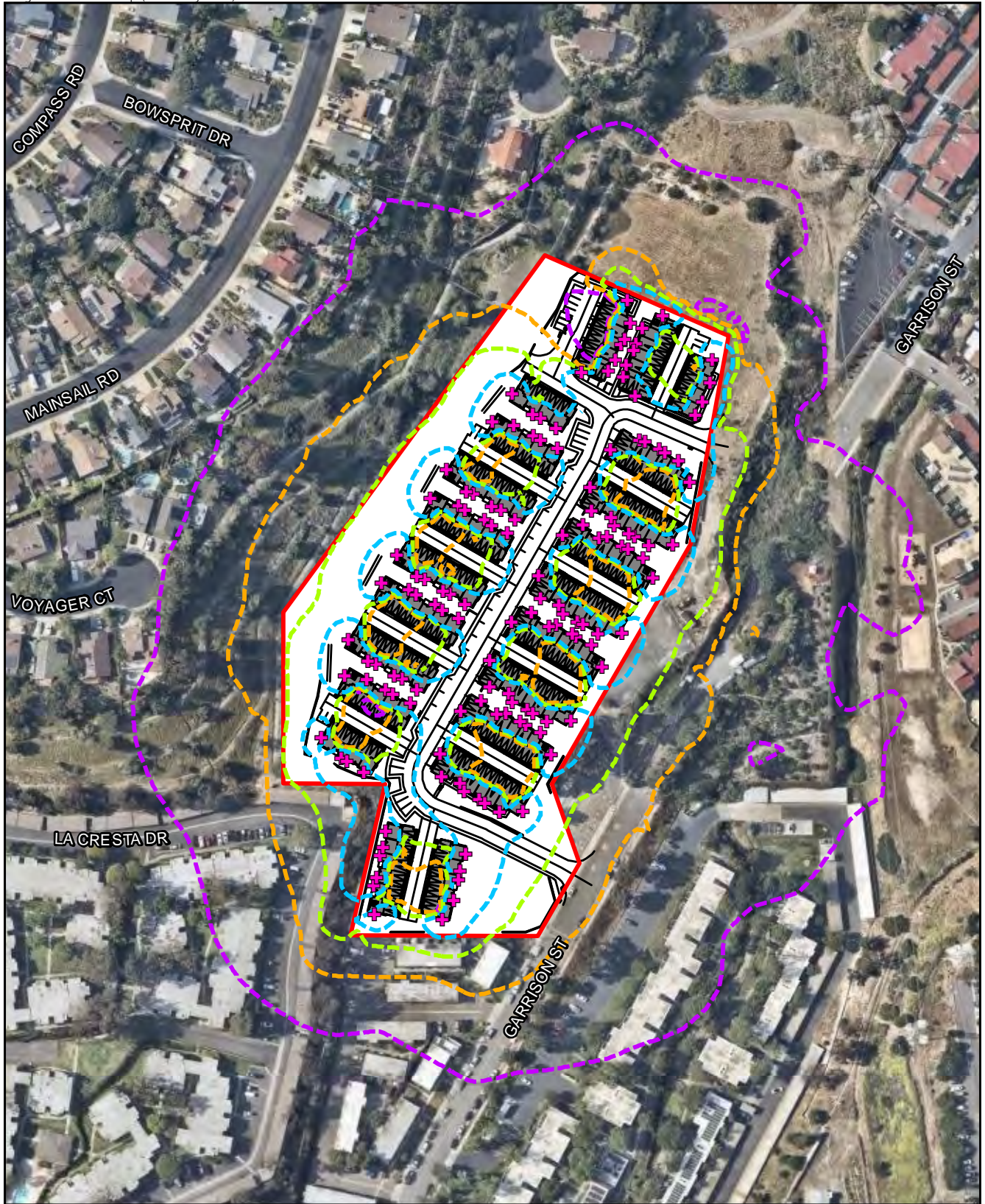


FIGURE 7a  
Daytime HVAC Noise Contours



- Project Boundary
- Buildings
- Site\_Plan
- + HVAC
- Nighttime HVAC Noise**
- 30 dB(A)  $L_{eq}$
- 35 dB(A)  $L_{eq}$
- 40 dB(A)  $L_{eq}$
- 45 dB(A)  $L_{eq}$

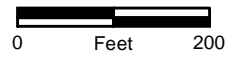


FIGURE 7b

Nighttime HVAC Noise Contours

## 6.0 Conclusions

Noise impacts due to construction and operation of the project were assessed in accordance with standards established in the City's General Plan Noise Element and the City's Municipal Code. As discussed in this analysis, construction noise levels are anticipated to range from 56 to 69 dB(A)  $L_{eq}$  at the adjacent properties and would not exceed 75 dB(A)  $L_{eq}$ . Although the existing adjacent uses would be exposed to construction noise levels that could be heard above ambient conditions, the exposure would be temporary. As construction activities associated with the project would comply with requirements of the Noise Control Ordinance, impacts associated with temporary increases in noise levels during construction would be less than significant.

The main source of traffic noise at the project site is vehicle traffic on Garrison Street, Oceanside Boulevard, El Camino Real, and Mesa Drive. Exterior noise levels are not projected to exceed 60 CNEL and would be considered normally acceptable with the City's noise compatibility standards. Additionally, interior noise levels would be less than the compatibility standard of 45 CNEL. Therefore, the project would not expose receivers to exterior or interior noise levels in excess of City standards established in the General Plan, and impacts would be less than significant.

The project would contribute traffic to the local roadways. The increases in noise levels along the study area roadways were calculated. As calculated in this analysis, vehicle traffic noise increases would not exceed the applicable thresholds. Therefore, operational roadway noise would not generate a substantial permanent increase in ambient noise levels for off-site noise sensitive land uses, and impacts would be less than significant.

The primary noise sources on-site would be HVAC equipment. Property line noise levels would range from 26 to 45 dB(A)  $L_{eq}$  during the daytime hours and 23 to 42 dB(A)  $L_{eq}$  during the nighttime hours. Noise levels would not exceed the applicable Noise Control Ordinance limits. Therefore, operational HVAC noise would not generate a substantial permanent increase in ambient noise levels for off-site noise sensitive land uses in excess of standards established in the City's Noise Control Ordinance, and impacts would be less than significant.

If you have any questions about the results of this analysis, please contact me at [jfleming@reconenvironmental.com](mailto:jfleming@reconenvironmental.com) or (619) 308-9333 extension 177.

Sincerely,



Jessica Fleming  
Senior Noise Analyst

JLF:sh:jg

Attachments

## 7.0 References Cited

California Department of Transportation (Caltrans)  
2013 Technical Noise Supplement. November.

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2018 Transit Noise and Vibration Impact Assessment Manual. FTA Report No. 0123. Prepared by John A. Volpe National Transportation Systems Center. September.

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2024 Transportation Forecast Information Center. Year 2050 ABM2+/2021 RP. <http://tfic.sandag.org/>. Accessed July 26, 2024.

## ATTACHMENTS

# ATTACHMENT 1

## Measurement Summary

**Summary**

File Name on Meter	LxT_Data.014.s
File Name on PC	LxTse_0003829-20240522_090510-LxT_Data.014.lbin
Serial Number	0003829
Model	SoundExpert® LxT
Firmware Version	2.301
User	
Location	
Job Description	
Note	

**Measurement**

<b>Description</b>	
Start	2024-05-22 09:05:10
Stop	2024-05-22 09:19:42
Duration	00:14:32.1
Run Time	00:14:32.1
Pause	00:00:00.0
Pre-Calibration	2024-05-22 09:04:00
Post-Calibration	None
Calibration Deviation	---

**Overall Settings**

RMS Weight	A Weighting		
Peak Weight	A Weighting		
Detector	Slow		
Preampifier	PRMLxTIL		
Microphone Correction	Off		
Integration Method	Linear		
OBA Range	Normal		
OBA Bandwidth	1/1 and 1/3		
OBA Frequency Weighting	A Weighting		
OBA Max Spectrum	At LMax		
Overload	122.9 dB		
	<b>A</b>	<b>C</b>	<b>Z</b>
Under Range Peak	79.1	76.1	81.1 dB
Under Range Limit	26.6	25.5	32.6 dB
Noise Floor	16.5	16.4	22.4 dB
	<b>First</b>	<b>Second</b>	<b>Third</b>
Instrument Identification			

**Results**

L <sub>Aeq</sub>	49.1 dB	
L <sub>AE</sub>	78.5 dB	
E <sub>A</sub>	7.876 µPa <sup>2</sup> h	
L <sub>Apk</sub> (max)	2024-05-22 09:07:02 93.3 dB	
L <sub>ASmax</sub>	2024-05-22 09:07:02 64.3 dB	
L <sub>ASmin</sub>	2024-05-22 09:05:35 38.4 dB	
SEA	-99.9 dB	
	<b>Exceedance Counts</b>	<b>Duration</b>
L <sub>AS</sub> > 60.0 dB	4	5.4 s
L <sub>AS</sub> > 70.0 dB	0	0.0 s
L <sub>Apk</sub> > 135.0 dB	0	0.0 s
L <sub>Apk</sub> > 137.0 dB	0	0.0 s
L <sub>Apk</sub> > 140.0 dB	0	0.0 s

<b>Community Noise</b>	<b>LDN</b>	<b>LDay 07:00-22:00</b>	<b>LNight 22:00-07:00</b>	<b>LDEN</b>	<b>LDay 07:00-19:00</b>	<b>LEvening 19:00-22:00</b>	<b>LNight 22:00-07:00</b>
	49.1	49.1	-99.9	49.1	49.1	-99.9	-99.9

L <sub>Ceq</sub>	61.1 dB
L <sub>Aeq</sub>	49.1 dB
L <sub>Ceq</sub> - L <sub>Aeq</sub>	12.0 dB
L <sub>Aeq</sub>	56.4 dB
L <sub>Aeq</sub>	49.1 dB
L <sub>Aeq</sub> - L <sub>Aeq</sub>	7.3 dB

	<b>A</b>	<b>C</b>	<b>Z</b>
	dB	dB	dB
	Time Stamp	Time Stamp	Time Stamp
L <sub>eq</sub>	49.1	61.1	
L <sub>S</sub> (max)	64.3	2024/05/22 9:07:02	
L <sub>S</sub> (min)	38.4	2024/05/22 9:05:35	
L <sub>pk</sub> (max)	93.3	2024/05/22 9:07:02	

Overload Count	0
Overload Duration	0.0 s
OBA Overload Count	0
OBA Overload Duration	0.0 s

**L<sub>n</sub> Percentiles**

L <sub>A</sub> 5.00	54.9 dB
L <sub>A</sub> 10.00	52.3 dB
L <sub>A</sub> 33.30	47.6 dB
L <sub>A</sub> 50.00	45.7 dB
L <sub>A</sub> 66.60	44.4 dB
L <sub>A</sub> 90.00	42.2 dB

Summary	
File Name on Meter	LxT_Data.017.s
File Name on PC	LxTse_0003829-20240522_094551-LxT_Data.017.lbin
Serial Number	0003829
Model	SoundExpert® LxT
Firmware Version	2.301
User	
Location	
Job Description	
Note	

Measurement	
<b>Description</b>	
Start	2024-05-22 09:45:51
Stop	2024-05-22 10:00:51
Duration	00:15:00.5
Run Time	00:15:00.5
Pause	00:00:00.0
Pre-Calibration	2024-05-22 09:03:57
Post-Calibration	None
Calibration Deviation	---

Overall Settings			
RMS Weight	A Weighting		
Peak Weight	A Weighting		
Detector	Slow		
Preampifier	PRMLxTIL		
Microphone Correction	Off		
Integration Method	Linear		
OBA Range	Normal		
OBA Bandwidth	1/1 and 1/3		
OBA Frequency Weighting	A Weighting		
OBA Max Spectrum	At LMax		
Overload	122.9 dB		
	<b>A</b>	<b>C</b>	<b>Z</b>
Under Range Peak	79.1	76.1	81.1 dB
Under Range Limit	26.6	25.5	32.6 dB
Noise Floor	16.5	16.4	22.4 dB
	<b>First</b>	<b>Second</b>	<b>Third</b>
Instrument Identification			

Results		
LAeq	48.8 dB	
LAE	78.3 dB	
EA	7.590 µPa <sup>2</sup> h	
LApk(max)	2024-05-22 09:45:53	94.6 dB
LASmax	2024-05-22 09:45:51	65.6 dB
LASmin	2024-05-22 09:49:48	39.1 dB
SEA	-99.9 dB	
	<b>Exceedance Counts</b>	<b>Duration</b>
LAS > 60.0 dB	3	2.2 s
LAS > 70.0 dB	0	0.0 s
LApk > 135.0 dB	0	0.0 s
LApk > 137.0 dB	0	0.0 s
LApk > 140.0 dB	0	0.0 s

Community Noise	LDN	LDay 07:00-22:00	LNight 22:00-07:00	LDEN	LDay 07:00-19:00	LEvening 19:00-22:00	LNight 22:00-07:00	
	48.8	48.8	-99.9	48.8	48.8	-99.9	-99.9	dB

LCeq	56.2 dB
LAeq	48.8 dB
LCeq - LAeq	7.4 dB
LAeq	53.4 dB
LAeq	48.8 dB
LAeq - LAeq	4.6 dB

	A		C		Z	
	dB	Time Stamp	dB	Time Stamp	dB	Time Stamp
Leq	48.8		56.2			
Ls(max)	65.6	2024/05/22 9:45:51				
Ls(min)	39.1	2024/05/22 9:49:48				
Lpk(max)	94.6	2024/05/22 9:45:53				

Overload Count	0
Overload Duration	0.0 s
OBA Overload Count	0
OBA Overload Duration	0.0 s

Ln Percentiles	
LA 5.00	52.7 dB
LA 10.00	51.5 dB
LA 33.30	48.8 dB
LA 50.00	47.4 dB
LA 66.60	46.1 dB
LA 90.00	43.8 dB

Summary	
File Name on Meter	LxT_Data.016.s
File Name on PC	LxTse_0003829-20240522_092852-LxT_Data.016.lbin
Serial Number	0003829
Model	SoundExpert® LxT
Firmware Version	2.301
User	
Location	
Job Description	
Note	

Measurement	
<b>Description</b>	
Start	2024-05-22 09:28:52
Stop	2024-05-22 09:43:55
Duration	00:15:03.6
Run Time	00:15:01.7
Pause	00:00:01.9
Pre-Calibration	2024-05-22 09:03:57
Post-Calibration	None
Calibration Deviation	---

Overall Settings	
RMS Weight	A Weighting
Peak Weight	A Weighting
Detector	Slow
Preampifier	PRMLxTIL
Microphone Correction	Off
Integration Method	Linear
OBA Range	Normal
OBA Bandwidth	1/1 and 1/3
OBA Frequency Weighting	A Weighting
OBA Max Spectrum	At LMax
Overload	122.9 dB
	<b>A</b> <b>C</b> <b>Z</b>
Under Range Peak	<b>79.1</b> 76.1 81.1 dB
Under Range Limit	<b>26.6</b> 25.5 32.6 dB
Noise Floor	16.5 16.4 22.4 dB
	<b>First</b> <b>Second</b> <b>Third</b>
Instrument Identification	

Results	
L <sub>Aeq</sub>	52.4 dB
L <sub>AE</sub>	82.0 dB
E <sub>A</sub>	17.411 µPa <sup>2</sup> h
L <sub>Apk</sub> (max)	2024-05-22 09:34:11 91.0 dB
L <sub>ASmax</sub>	2024-05-22 09:34:11 71.3 dB
L <sub>ASmin</sub>	2024-05-22 09:31:58 40.3 dB
SEA	-99.9 dB
	<b>Exceedance Counts</b> <b>Duration</b>
L <sub>AS</sub> > 60.0 dB	3 16.6 s
L <sub>AS</sub> > 70.0 dB	1 1.0 s
L <sub>Apk</sub> > 135.0 dB	0 0.0 s
L <sub>Apk</sub> > 137.0 dB	0 0.0 s
L <sub>Apk</sub> > 140.0 dB	0 0.0 s

Community Noise	LDN	LDay 07:00-22:00	LNight 22:00-07:00	LDEN	LDay 07:00-19:00	LEvening 19:00-22:00	LNight 22:00-07:00
	52.4	52.4	-99.9	52.4	52.4	-99.9	-99.9 dB

L <sub>Ceq</sub>	59.3 dB
L <sub>Aeq</sub>	52.4 dB
L <sub>Ceq</sub> - L <sub>Aeq</sub>	6.9 dB
L <sub>Aleq</sub>	58.9 dB
L <sub>Aeq</sub>	52.4 dB
L <sub>Aleq</sub> - L <sub>Aeq</sub>	6.5 dB

	A		C		Z	
	dB	Time Stamp	dB	Time Stamp	dB	Time Stamp
L <sub>eq</sub>	52.4		59.3			
L <sub>S</sub> (max)	71.3	2024/05/22 9:34:11				
L <sub>S</sub> (min)	40.3	2024/05/22 9:31:58				
L <sub>pk</sub> (max)	91.0	2024/05/22 9:34:11				

Overload Count	0
Overload Duration	0.0 s
OBA Overload Count	0
OBA Overload Duration	0.0 s

Ln Percentiles	
LA 5.00	55.6 dB
LA 10.00	54.5 dB
LA 33.30	51.8 dB
LA 50.00	50.2 dB
LA 66.60	48.7 dB
LA 90.00	45.1 dB

**ATTACHMENT 2**  
HVAC Specifications



## Fan Performance

**Table 6. Standard motor & low static drive accessory sheave/fan speed (rpm)**

Tons	Unit Model Number	Fan Sheave	6 Turns Open	5 Turns Open	4 Turns Open	3 Turns Open	2 Turns Open	1 Turn Open	Closed
5	WSC060ED	AK44x3/4"	N/A	720	791	861	931	1002	1072
6	WSC072ED	AK56x1"	N/A	558	612	665	718	772	825
7½	WSC090ED	AK57x1"	N/A	688	737	787	837	887	N/A
10	WSC120ED	AK105X1"	N/A	724	776	828	880	932	984

Note: Factory set at 3 turns open.

**Table 7. Standard motor & high static drive accessory sheave/fan speed (rpm)**

Tons	Unit Model Number	Fan Sheave	6 Turns Open	5 Turns Open	4 Turns Open	3 Turns Open	2 Turns Open	1 Turn Open	Closed
6	WSC072ED	AK56x1"	N/A	968	1018	1068	1118	1169	1219
7½	WSC090ED	AK57x1"	1053	1091	1129	1166	1204	1242	N/A
10	WSC120ED	AK105X1"	1110	1159	1209	1258	1308	1357	N/A

Note: Factory set at 3 turns open.

**Table 8. Oversized motor & high static drive accessory sheave/fan speed (rpm)**

Tons	Unit Model Number	Fan Sheave	6 Turns Open	5 Turns Open	4 Turns Open	3 Turns Open	2 Turns Open	1 Turn Open	Closed
7½	WSC090ED	AK85x1"	1186	1249	1311	1373	1436	N/A	N/A

Note: Factory set at 3 turns open.

**Table 9. Outdoor sound power level—dB (ref. 10—2 W)**

Tons	Unit Model Number	Octave Center Frequency								Overall dBA
		63	125	250	500	1000	2000	4000	8000	
5	T/YSC060ED	84	91	79	77	74	71	68	63	80
6	T/YSC072ED	83	90	86	82	79	75	70	63	85
7½	T/YSC090ED	83	90	86	83	80	75	71	64	85
8.5	T/YSC102ED	83	89	84	81	77	72	69	62	83
10	T/YSC120ED	83	86	80	77	73	69	66	60	79

Note: Tests follow ARI270-95.

**Table 10. Outdoor sound power level—dB (ref. 10—12 W)**

Tons	Unit Model Number	Octave Center Frequency								Overall dBA
		63	125	250	500	1000	2000	4000	8000	
5	WSC060ED	84	91	79	77	74	71	68	63	80
6	WSC072ED	83	90	86	82	79	75	70	63	85
7½	WSC090ED	83	90	86	83	80	75	71	64	85
10	WSC120ED	83	86	80	77	73	69	66	60	79

Note: Tests follow ARI270-95.

## ELECTRICAL DATA

38HDR UNIT SIZE	V-PH-Hz	VOLTAGE RANGE*		COMPRESSOR		OUTDOOR FAN MOTOR			MIN CKT AMPS	FUSE/CKT BKR AMPS
		Min	Max	RLA	LRA	FLA	NEC Hp	kW Out		
018-31	208/230-1-60	187	253	9.0	48.0	0.8	0.125	0.09	12.1	20
024-32	208/230-1-60	187	253	13.5	58.3	0.8	0.125	0.09	17.7	25
030-31	208/230-1-60	187	253	14.1	73.0	1.5	0.250	0.19	19.1	30
036-31	208/230-1-60	187	253	14.1	77.0	1.5	0.250	0.19	19.1	30
	208/230-3-60	187	253	9.2	71.0	1.5	0.250	0.19	13.0	20
	460-3-60	414	506	5.6	38.0	0.8	0.250	0.19	7.9	10
048-32	208/230-1-60	187	253	19.9	109.0	1.5	0.250	0.19	26.4	40
	208/230-3-60	187	253	13.1	83.1	1.5	0.250	0.19	17.9	25
	460-3-60	414	506	6.1	41.0	0.8	0.250	0.19	8.4	15
060-32	208/230-1-60	187	253	26.4	134.0	1.5	0.250	0.19	34.5	60
	208/230-3-60	187	253	16.0	110.0	1.5	0.250	0.19	21.5	30
	460-3-60	414	506	7.8	52.0	0.8	0.250	0.19	10.6	15

\* Permissible limits of the voltage range at which the unit will operate satisfactorily

**FLA** – Full Load Amps

**HACR** – Heating, Air Conditioning, Refrigeration

**LRA** – Locked Rotor Amps

**NEC** – National Electrical Code

**RLA** – Rated Load Amps (compressor)

**NOTE:** Control circuit is 24-V on all units and requires external power source. Copper wire must be used from service disconnect to unit. All motors/compressors contain internal overload protection.

Complies with 2007 requirements of ASHRAE Standards 90.1

38HDR

## A-WEIGHTED SOUND POWER (dBA)

Unit Size	Standard Rating (dBA)	Typical Octave Band Spectrum ( dBA ) (without tone adjustment)						
		125	250	500	1000	2000	4000	8000
018-31	68	52.0	57.5	60.5	63.5	60.5	57.5	46.5
024-32	69	57.5	61.5	63.0	61.0	60.0	56.0	45.0
030-31	72	56.5	63.0	65.0	66.0	64.0	62.5	57.0
036-31	72	65.0	61.5	63.5	65.0	64.5	61.0	54.5
048-32	72	58.5	61.0	64.0	67.5	66.0	64.0	57.0
060-32	72	63.0	61.5	64.0	66.5	66.0	64.5	55.5

**NOTE:** Tested in accordance with AHRI Standard 270-08 (not listed in AHRI).

## CHARGING SUBCOOLING (TXV-TYPE EXPANSION DEVICE)

UNIT SIZE-VOLTAGE, SERIES	REQUIRED SUBCOOLING °F (°C)
018-31	12 (6.7)
024-32	12 (6.7)
030-31	12 (6.7)
036-31	12 (6.7)
048-32	12 (6.7)
060-32	12 (6.7)

## ATTACHMENT 3

SoundPLAN Data – Construction

10550 Garrison Multi-Family  
SoundPLAN Data - Construction

Source name	Reference	Noise	Corrections		
		Level dB(A)	Cwall dB(A)	CI dB(A)	CT dB(A)
Construction	Lw/unit	117.4	-	-	-

10550 Garrison Multi-Family  
SoundPLAN Data - Construction

No.	Coordinates		Height (meters)	Noise Level dB(A)
	X (meters)	Y (meters)		
1	468497.57	3674061.14	38.08	64.6
2	468492.41	3674027.01	37.43	62.2
3	468559.88	3674021.05	30.00	68.7
4	468586.86	3674021.05	29.63	69.3
5	468668.22	3674038.91	25.88	62.2
6	468781.33	3674149.24	29.61	59.8
7	468771.41	3674223.46	28.73	60.4
8	468786.89	3674275.85	28.35	58.6
9	468756.73	3674345.10	30.15	57.1
10	468755.14	3674391.93	32.68	55.4
11	468632.90	3674396.70	50.99	59.7
12	468601.15	3674350.26	51.49	63.3
13	468528.92	3674302.24	62.98	63.7
14	468483.28	3674254.61	66.59	63.3
15	468466.21	3674210.36	61.38	64.0
16	468449.54	3674137.73	60.30	64.0

Receivers

## ATTACHMENT 4

SoundPLAN Data – Traffic

10550 Garrison Multi-Family  
SoundPLAN Data - Vehicle Traffic

Station km	ADT Veh/24h	Traffic values					Speed km/h	Control device	Constr. Speed km/h	Affect. veh. %	Road surface	Gradient Min / Max %
		Vehicles type	Vehicle name	day Veh/h	evening Veh/h	night Veh/h						
Mesa Drive		Traffic direction: In entry direction										
0+000	4896	Total	-	314	163	71	-	none	-	-	Average (of DGAC and PCC)	-0.14118
0+000	4896	Automobiles	-	292	152	66	64	none	-	-	Average (of DGAC and PCC)	-0.14118
0+000	4896	Medium trucks	-	9	5	2	64	none	-	-	Average (of DGAC and PCC)	-0.14118
0+000	4896	Heavy trucks	-	6	3	1	64	none	-	-	Average (of DGAC and PCC)	-0.14118
0+000	4896	Buses	-	3	2	1	64	none	-	-	Average (of DGAC and PCC)	-0.14118
0+000	4896	Motorcycles	-	3	2	1	64	none	-	-	Average (of DGAC and PCC)	-0.14118
0+000	4896	Auxiliary vehicle	-	-	-	-	-	none	-	-	Average (of DGAC and PCC)	-0.14118
0+402	-	-	-	-	-	-	-	-	-	-	-	-
Garrison Street (North of Site)		Traffic direction: In entry direction										
0+000	2163	Total	-	139	72	31	-	none	-	-	Average (of DGAC and PCC)	-0.04762
0+000	2163	Automobiles	-	132	68	29	40	none	-	-	Average (of DGAC and PCC)	-0.04762
0+000	2163	Medium trucks	-	3	1	1	40	none	-	-	Average (of DGAC and PCC)	-0.04762
0+000	2163	Heavy trucks	-	1	1	0	40	none	-	-	Average (of DGAC and PCC)	-0.04762
0+000	2163	Buses	-	1	1	0	40	none	-	-	Average (of DGAC and PCC)	-0.04762
0+000	2163	Motorcycles	-	1	1	0	40	none	-	-	Average (of DGAC and PCC)	-0.04762
0+000	2163	Auxiliary vehicle	-	-	-	-	-	none	-	-	Average (of DGAC and PCC)	-0.04762
0+268	-	-	-	-	-	-	-	-	-	-	-	-
El Camino Real		Traffic direction: In entry direction										
0+000	39510	Total	-	2535	1317	571	-	none	-	-	Average (of DGAC and PCC)	-1
0+000	39510	Automobiles	-	2358	1225	531	72	none	-	-	Average (of DGAC and PCC)	-1
0+000	39510	Medium trucks	-	76	40	17	72	none	-	-	Average (of DGAC and PCC)	-1
0+000	39510	Heavy trucks	-	51	26	11	72	none	-	-	Average (of DGAC and PCC)	-1
0+000	39510	Buses	-	25	13	6	72	none	-	-	Average (of DGAC and PCC)	-1
0+000	39510	Motorcycles	-	25	13	6	72	none	-	-	Average (of DGAC and PCC)	-1
0+000	39510	Auxiliary vehicle	-	-	-	-	-	none	-	-	Average (of DGAC and PCC)	-1
0+782	-	-	-	-	-	-	-	-	-	-	-	-
Oceanside Boulevard		Traffic direction: In entry direction										
0+000	32973	Total	-	2116	1099	476	-	none	-	-	Average (of DGAC and PCC)	7.142857
0+000	32973	Automobiles	-	1968	1022	443	64	none	-	-	Average (of DGAC and PCC)	7.142857
0+000	32973	Medium trucks	-	63	33	14	64	none	-	-	Average (of DGAC and PCC)	7.142857
0+000	32973	Heavy trucks	-	42	22	10	64	none	-	-	Average (of DGAC and PCC)	7.142857
0+000	32973	Buses	-	21	11	5	64	none	-	-	Average (of DGAC and PCC)	7.142857
0+000	32973	Motorcycles	-	21	11	5	64	none	-	-	Average (of DGAC and PCC)	7.142857
0+000	32973	Auxiliary vehicle	-	-	-	-	-	none	-	-	Average (of DGAC and PCC)	7.142857
0+466	32400	Total	-	2079	1080	468	-	none	-	-	Average (of DGAC and PCC)	-0.34783
0+466	32400	Automobiles	-	1933	1004	435	64	none	-	-	Average (of DGAC and PCC)	-0.34783
0+466	32400	Medium trucks	-	62	32	14	64	none	-	-	Average (of DGAC and PCC)	-0.34783
0+466	32400	Heavy trucks	-	42	22	9	64	none	-	-	Average (of DGAC and PCC)	-0.34783
0+466	32400	Buses	-	21	11	5	64	none	-	-	Average (of DGAC and PCC)	-0.34783
0+466	32400	Motorcycles	-	21	11	5	64	none	-	-	Average (of DGAC and PCC)	-0.34783
0+466	32400	Auxiliary vehicle	-	-	-	-	-	none	-	-	Average (of DGAC and PCC)	-0.34783
0+802	-	-	-	-	-	-	-	-	-	-	-	-
Garrison Street (South of Site)		Traffic direction: In entry direction										
0+000	2163	Total	-	139	72	31	-	none	-	-	Average (of DGAC and PCC)	-0.17391
0+000	2163	Automobiles	-	132	68	29	40	none	-	-	Average (of DGAC and PCC)	-0.17391
0+000	2163	Medium trucks	-	3	1	1	40	none	-	-	Average (of DGAC and PCC)	-0.17391
0+000	2163	Heavy trucks	-	1	1	0	40	none	-	-	Average (of DGAC and PCC)	-0.17391
0+000	2163	Buses	-	1	1	0	40	none	-	-	Average (of DGAC and PCC)	-0.17391
0+000	2163	Motorcycles	-	1	1	0	40	none	-	-	Average (of DGAC and PCC)	-0.17391
0+000	2163	Auxiliary vehicle	-	-	-	-	-	none	-	-	Average (of DGAC and PCC)	-0.17391
0+409	-	-	-	-	-	-	-	-	-	-	-	-

10550 Garrison Multi-Family  
 SoundPLAN Data - Vehicle Traffic

No.	Coordinates		Floor	Height (meters)	Day dB(A)	Noise Level		Lden dB(A)
	X (meters)	Y (meters)				Evening dB(A)	Night dB(A)	
1	468681.02	3674255.51	1.FI	36.3	56.3	53.5	49.8	58.2
1	468681.02	3674255.51	2.FI	39.1	56.6	53.8	50.1	58.5
1	468681.02	3674255.51	3.FI	41.9	56.7	53.8	50.2	58.6
2	468672.70	3674215.66	1.FI	36.0	56.6	53.8	50.2	58.5
2	468672.70	3674215.66	2.FI	38.8	56.8	53.9	50.3	58.7
2	468672.70	3674215.66	3.FI	41.6	56.7	53.9	50.3	58.6
3	468657.11	3674173.39	1.FI	35.2	55.6	52.8	49.2	57.5
3	468657.11	3674173.39	2.FI	38.0	55.8	53.0	49.3	57.7
3	468657.11	3674173.39	3.FI	40.8	56.1	53.2	49.6	58.0
4	468624.88	3674117.26	1.FI	34.0	54.7	51.8	48.2	56.6
4	468624.88	3674117.26	2.FI	36.8	55.2	52.3	48.7	57.1
4	468624.88	3674117.26	3.FI	39.6	55.5	52.7	49.0	57.4
5	468542.76	3674028.90	1.FI	32.3	50.7	47.8	44.2	52.6
5	468542.76	3674028.90	2.FI	35.1	51.3	48.4	44.8	53.2
5	468542.76	3674028.90	3.FI	37.9	52.2	49.4	45.8	54.1
6	468520.94	3674096.81	1.FI	34.6	44.9	42.0	38.4	46.8
6	468520.94	3674096.81	2.FI	37.4	47.0	44.2	40.5	48.9
6	468520.94	3674096.81	3.FI	40.2	48.9	46.1	42.5	50.8
7	468536.18	3674175.81	1.FI	34.6	29.1	26.3	22.7	31.0
7	468536.18	3674175.81	2.FI	37.4	31.1	28.2	24.6	33.0
7	468536.18	3674175.81	3.FI	40.2	33.2	30.3	26.7	35.1
8	468566.67	3674229.17	1.FI	36.1	28.2	25.4	21.8	30.1
8	468566.67	3674229.17	2.FI	38.9	30.2	27.4	23.7	32.1
8	468566.67	3674229.17	3.FI	41.7	33.0	30.1	26.5	34.9
9	468624.19	3674288.08	1.FI	37.4	30.6	27.7	24.1	32.5
9	468624.19	3674288.08	2.FI	40.2	32.1	29.3	25.7	34.1
9	468624.19	3674288.08	3.FI	43.0	35.2	32.3	28.7	37.1
10	468653.30	3674295.01	1.FI	36.2	51.8	48.9	45.3	53.7
10	468653.30	3674295.01	2.FI	39.0	52.1	49.3	45.6	54.0
10	468653.30	3674295.01	3.FI	41.8	52.0	49.2	45.5	53.9

10550 Garrison Multi-Family  
SoundPLAN Data - Vehicle Traffic

Source name										Noise Level			
										Day dB(A)	Evening dB(A)	Night dB(A)	Lden dB(A)
1	1.FI	56.3	53.5	49.8	58.2	0.0	0.0	0.0	0.0	56.2	53.4	49.7	58.1
	El Camino Real									33.0	30.1	26.5	34.9
	Garrison Street (North of Site)									19.2	16.4	12.7	21.1
	Garrison Street (South of Site)									34.0	31.2	27.6	35.9
	Mesa Drive									37.3	34.5	30.9	39.2
1	2.FI	56.6	53.8	50.1	58.5	0.0	0.0	0.0	0.0	56.4	53.6	50.0	58.3
	El Camino Real									37.6	34.7	31.1	39.5
	Garrison Street (North of Site)									23.3	20.4	16.7	25.1
	Garrison Street (South of Site)									36.6	33.8	30.2	38.6
	Mesa Drive									38.5	35.6	32.0	40.4
1	3.FI	56.7	53.8	50.2	58.6	0.0	0.0	0.0	0.0	56.4	53.5	49.9	58.3
	El Camino Real									41.1	38.2	34.5	42.9
	Garrison Street (North of Site)									24.8	21.9	18.3	26.7
	Garrison Street (South of Site)									38.0	35.1	31.5	39.9
	Mesa Drive									39.3	36.5	32.8	41.2
2	1.FI	56.6	53.8	50.2	58.5	0.0	0.0	0.0	0.0	56.5	53.7	50.1	58.5
	El Camino Real									33.6	30.7	27.1	35.5
	Garrison Street (North of Site)									26.9	24.0	20.4	28.8
	Garrison Street (South of Site)									31.4	28.5	24.9	33.3
	Mesa Drive									37.2	34.4	30.8	39.1
2	2.FI	56.8	53.9	50.3	58.7	0.0	0.0	0.0	0.0	56.6	53.8	50.1	58.5
	El Camino Real									37.5	34.7	31.0	39.4
	Garrison Street (North of Site)									28.6	25.8	22.1	30.5
	Garrison Street (South of Site)									34.7	31.9	28.3	36.7
	Mesa Drive									38.6	35.8	32.2	40.5
2	3.FI	56.7	53.9	50.3	58.6	0.0	0.0	0.0	0.0	56.5	53.7	50.1	58.4
	El Camino Real									39.0	36.1	32.5	40.8
	Garrison Street (North of Site)									29.9	27.0	23.3	31.7
	Garrison Street (South of Site)									36.3	33.4	29.8	38.2
	Mesa Drive									39.7	36.9	33.2	41.6
3	1.FI	55.6	52.8	49.2	57.5	0.0	0.0	0.0	0.0	55.4	52.6	49.0	57.3
	El Camino Real									30.9	28.0	24.3	32.7
	Garrison Street (North of Site)									33.4	30.6	26.9	35.3
	Garrison Street (South of Site)									26.9	24.1	20.5	28.8
	Mesa Drive									40.4	37.6	33.9	42.3
3	2.FI	55.8	53.0	49.3	57.7	0.0	0.0	0.0	0.0	55.5	52.7	49.0	57.4
	El Camino Real									33.1	30.3	26.6	35.0
	Garrison Street (North of Site)									35.2	32.4	28.7	37.1
	Garrison Street (South of Site)									30.1	27.3	23.6	32.0
	Mesa Drive									42.3	39.4	35.8	44.2
3	3.FI	56.1	53.2	49.6	58.0	0.0	0.0	0.0	0.0	55.7	52.9	49.2	57.6
	El Camino Real									34.4	31.6	27.9	36.3
	Garrison Street (North of Site)												

Contributions

10550 Garrison Multi-Family  
SoundPLAN Data - Vehicle Traffic

Garrison Street (South of Site)										36.5	33.7	30.0	38.4
Mesa Drive										31.7	28.9	25.2	33.6
Oceanside Boulevard										43.7	40.8	37.2	45.6
4	1.FI	54.7	51.8	48.2	56.6	0.0	0.0	0.0	0.0				
El Camino Real										54.2	51.3	47.7	56.1
Garrison Street (North of Site)										25.6	22.8	19.1	27.5
Garrison Street (South of Site)										41.4	38.5	34.8	43.2
Mesa Drive										25.4	22.6	19.0	27.3
Oceanside Boulevard										42.5	39.6	36.0	44.4
4	2.FI	55.2	52.3	48.7	57.1	0.0	0.0	0.0	0.0				
El Camino Real										54.4	51.6	48.0	56.4
Garrison Street (North of Site)										29.6	26.8	23.1	31.5
Garrison Street (South of Site)										43.2	40.3	36.7	45.0
Mesa Drive										27.3	24.5	20.9	29.3
Oceanside Boulevard										44.6	41.7	38.1	46.5
4	3.FI	55.5	52.7	49.0	57.4	0.0	0.0	0.0	0.0				
El Camino Real										54.5	51.7	48.1	56.4
Garrison Street (North of Site)										31.4	28.5	24.8	33.2
Garrison Street (South of Site)										44.6	41.7	38.1	46.5
Mesa Drive										29.1	26.2	22.6	31.0
Oceanside Boulevard										46.1	43.2	39.6	48.0
5	1.FI	50.7	47.8	44.2	52.6	0.0	0.0	0.0	0.0				
El Camino Real										46.7	43.9	40.2	48.6
Garrison Street (North of Site)										-2.1	-4.9	-8.6	-0.2
Garrison Street (South of Site)										40.4	37.6	33.9	42.3
Mesa Drive										2.4	-0.5	-4.1	4.3
Oceanside Boulevard										47.7	44.9	41.3	49.6
5	2.FI	51.3	48.4	44.8	53.2	0.0	0.0	0.0	0.0				
El Camino Real										45.8	43.0	39.3	47.7
Garrison Street (North of Site)										-0.8	-3.6	-7.3	1.1
Garrison Street (South of Site)										42.0	39.1	35.5	43.9
Mesa Drive										2.1	-0.7	-4.3	4.0
Oceanside Boulevard										49.0	46.2	42.5	50.9
5	3.FI	52.2	49.4	45.8	54.1	0.0	0.0	0.0	0.0				
El Camino Real										46.2	43.3	39.7	48.1
Garrison Street (North of Site)										0.3	-2.5	-6.2	2.2
Garrison Street (South of Site)										43.1	40.2	36.6	45.0
Mesa Drive										4.3	1.5	-2.1	6.2
Oceanside Boulevard										50.2	47.4	43.8	52.1
6	1.FI	44.9	42.0	38.4	46.8	0.0	0.0	0.0	0.0				
El Camino Real										44.5	41.7	38.1	46.4
Garrison Street (North of Site)										1.8	-1.1	-4.7	3.7
Garrison Street (South of Site)										27.2	24.3	20.7	29.1
Mesa Drive										2.7	-0.1	-3.8	4.6
Oceanside Boulevard										32.5	29.6	26.0	34.4
6	2.FI	47.0	44.2	40.5	48.9	0.0	0.0	0.0	0.0				
El Camino Real										44.7	41.9	38.2	46.6
Garrison Street (North of Site)										1.2	-1.7	-5.4	3.0
Garrison Street (South of Site)										32.2	29.3	25.7	34.1
Mesa Drive										3.8	0.9	-2.7	5.7
Oceanside Boulevard										42.8	39.9	36.3	44.7
6	3.FI	48.9	46.1	42.5	50.8	0.0	0.0	0.0	0.0				
El Camino Real										45.8	42.9	39.3	47.7
Garrison Street (North of Site)										5.0	2.1	-1.5	6.9

Contributions

10550 Garrison Multi-Family  
SoundPLAN Data - Vehicle Traffic

Garrison Street (South of Site)										33.7	30.8	27.2	35.6
Mesa Drive										7.9	5.0	1.4	9.8
Oceanside Boulevard										45.8	43.0	39.3	47.7
7	1.FI	29.1	26.3	22.7	31.0	0.0	0.0	0.0	0.0				
El Camino Real										27.4	24.6	20.9	29.3
Garrison Street (North of Site)										-0.7	-3.6	-7.3	1.1
Garrison Street (South of Site)										6.1	3.3	-0.4	8.0
Mesa Drive										10.6	7.7	4.1	12.5
Oceanside Boulevard										24.0	21.2	17.5	25.9
7	2.FI	31.1	28.2	24.6	33.0	0.0	0.0	0.0	0.0				
El Camino Real										29.7	26.8	23.2	31.6
Garrison Street (North of Site)										2.2	-0.7	-4.3	4.1
Garrison Street (South of Site)										8.0	5.1	1.5	9.9
Mesa Drive										12.2	9.3	5.7	14.1
Oceanside Boulevard										25.3	22.4	18.8	27.2
7	3.FI	33.2	30.3	26.7	35.1	0.0	0.0	0.0	0.0				
El Camino Real										31.5	28.6	25.0	33.4
Garrison Street (North of Site)										4.5	1.7	-2.0	6.4
Garrison Street (South of Site)										10.3	7.5	3.8	12.2
Mesa Drive										14.6	11.8	8.2	16.5
Oceanside Boulevard										27.9	25.1	21.5	29.8
8	1.FI	28.2	25.4	21.8	30.1	0.0	0.0	0.0	0.0				
El Camino Real										26.8	24.0	20.4	28.8
Garrison Street (North of Site)										1.7	-1.2	-4.8	3.6
Garrison Street (South of Site)										3.8	1.0	-2.7	5.7
Mesa Drive										14.1	11.3	7.7	16.0
Oceanside Boulevard										21.8	19.0	15.3	23.7
8	2.FI	30.2	27.4	23.7	32.1	0.0	0.0	0.0	0.0				
El Camino Real										29.0	26.2	22.5	30.9
Garrison Street (North of Site)										4.1	1.3	-2.4	6.0
Garrison Street (South of Site)										5.6	2.8	-0.9	7.5
Mesa Drive										16.0	13.1	9.5	17.9
Oceanside Boulevard										23.1	20.2	16.6	25.0
8	3.FI	33.0	30.1	26.5	34.9	0.0	0.0	0.0	0.0				
El Camino Real										31.8	28.9	25.3	33.7
Garrison Street (North of Site)										7.0	4.1	0.5	8.9
Garrison Street (South of Site)										7.9	5.0	1.3	9.7
Mesa Drive										19.7	16.8	13.2	21.6
Oceanside Boulevard										25.8	23.0	19.3	27.7
9	1.FI	30.6	27.7	24.1	32.5	0.0	0.0	0.0	0.0				
El Camino Real										29.9	27.1	23.4	31.8
Garrison Street (North of Site)										6.9	4.1	0.4	8.8
Garrison Street (South of Site)										0.8	-2.1	-5.7	2.7
Mesa Drive										18.3	15.5	11.8	20.2
Oceanside Boulevard										19.6	16.7	13.1	21.5
9	2.FI	32.1	29.3	25.7	34.1	0.0	0.0	0.0	0.0				
El Camino Real										31.1	28.3	24.7	33.0
Garrison Street (North of Site)										9.1	6.3	2.6	11.0
Garrison Street (South of Site)										3.7	0.8	-2.9	5.5
Mesa Drive										22.7	19.9	16.3	24.6
Oceanside Boulevard										21.5	18.7	15.1	23.4
9	3.FI	35.2	32.3	28.7	37.1	0.0	0.0	0.0	0.0				
El Camino Real										34.0	31.1	27.5	35.9
Garrison Street (North of Site)										11.6	8.7	5.1	13.5

Contributions

10550 Garrison Multi-Family  
 SoundPLAN Data - Vehicle Traffic

Garrison Street (South of Site)										6.3	3.5	-0.2	8.2
Mesa Drive										26.4	23.6	20.0	28.4
Oceanside Boulevard										24.9	22.1	18.4	26.8
10	1.FI	51.8	48.9	45.3	53.7	0.0	0.0	0.0	0.0				
El Camino Real										51.8	48.9	45.3	53.7
Garrison Street (North of Site)										27.4	24.6	20.9	29.3
Garrison Street (South of Site)										6.0	3.2	-0.5	7.9
Mesa Drive										26.9	24.0	20.4	28.8
Oceanside Boulevard										22.2	19.4	15.8	24.1
10	2.FI	52.1	49.3	45.6	54.0	0.0	0.0	0.0	0.0				
El Camino Real										52.0	49.2	45.5	53.9
Garrison Street (North of Site)										33.3	30.5	26.8	35.2
Garrison Street (South of Site)										6.1	3.3	-0.4	8.0
Mesa Drive										31.5	28.7	25.1	33.4
Oceanside Boulevard										24.2	21.3	17.7	26.1
10	3.FI	52.0	49.2	45.5	53.9	0.0	0.0	0.0	0.0				
El Camino Real										51.8	49.0	45.4	53.8
Garrison Street (North of Site)										34.6	31.8	28.1	36.5
Garrison Street (South of Site)										8.3	5.4	1.8	10.2
Mesa Drive										34.3	31.5	27.8	36.2
Oceanside Boulevard										27.0	24.1	20.5	28.9

## ATTACHMENT 5

FHWA RD-77-108 Off-Site Traffic Noise Model

FHWA RD-77-108  
Traffic Noise Prediction Model

Data Input Sheet

**Project Name :** Garrison Multi-Family  
**Project Number :** 10550  
**Modeled Condition :** Existing

**Surface Refelction:** CNEL  
**Assessment Metric:** Hard  
**Peak ratio to ADT:** 10.00  
**Traffic Desc. (Peak or ADT) :** ADT

Segment	Roadway Name	Segment	Traffic Vol.	Speed	Distance	% Autos	%MT	% HT	Day %	Eve %	Night %	K-Factor
				(Mph)	to CL							
1	Garrison Street	Northern Terminus to Oceanside Boulevard	943	25	50	97.00	2.00	1.00	77.00	10.00	13.00	
2	Oceanside Boulevard	Foussat Road to Garrison Street	26,607	40	50	95.00	3.00	2.00	77.00	10.00	13.00	
3	Oceanside Boulevard	Garrison Street to El Camino Real	26,264	40	50	95.00	3.00	2.00	77.00	10.00	13.00	

FHWA RD-77-108  
Traffic Noise Prediction Model

Predicted Noise Levels

**Project Name :** Garrison Multi-Family  
**Project Number :** 10550  
**Modeled Condition :** Existing  
**Assessment Metric:** Hard

Segment	Roadway Name	Segment	Noise Levels, dBA Hard					Distance to Traffic Noise Level Contours, Feet				
			Auto	MT	HT	Total	75 dB	70 dB	65 dB	60 dB	55 dB	50 dB
1	Garrison Street	Northern Terminus to Oceanside Boulevard	50.0	44.8	49.4	53.4	0	1	3	11	35	109
2	Oceanside Boulevard	Foussat Road to Garrison Street	70.3	64.2	67.3	72.7	29	93	294	931	2,944	9,310
3	Oceanside Boulevard	Garrison Street to El Camino Real	70.2	64.1	67.2	72.6	29	91	288	910	2,877	9,099

FHWA RD-77-108  
Traffic Noise Prediction Model

Data Input Sheet

**Project Name :** Garrison Multi-Family  
**Project Number :** 10550  
**Modeled Condition :** Existing + Project

**Surface Refelction:** CNEL  
**Assessment Metric:** Hard  
**Peak ratio to ADT:** 10.00  
**Traffic Desc. (Peak or ADT) :** ADT

Segment	Roadway Name	Segment	Traffic Vol.	Speed	Distance	% Autos	%MT	% HT	Day %	Eve %	Night %	K-Factor
				(Mph)	to CL							
1	Garrison Street	Northern Terminus to Oceanside Boulevard	1,916	25	50	97.00	2.00	1.00	77.00	10.00	13.00	
2	Oceanside Boulevard	Foussat Road to Garrison Street	26,802	40	50	95.00	3.00	2.00	77.00	10.00	13.00	
3	Oceanside Boulevard	Garrison Street to El Camino Real	27,042	40	50	95.00	3.00	2.00	77.00	10.00	13.00	

FHWA RD-77-108  
Traffic Noise Prediction Model

Predicted Noise Levels

**Project Name :** Garrison Multi-Family  
**Project Number :** 10550  
**Modeled Condition :** Existing + Project  
**Assessment Metric:** Hard

Segment	Roadway Name	Segment	Noise Levels, dBA Hard					Distance to Traffic Noise Level Contours, Feet				
			Auto	MT	HT	Total	75 dB	70 dB	65 dB	60 dB	55 dB	50 dB
1	Garrison Street	Northern Terminus to Oceanside Boulevard	53.1	47.8	52.5	56.4	1	2	7	22	69	218
2	Oceanside Boulevard	Foussat Road to Garrison Street	70.3	64.2	67.3	72.7	29	93	294	931	2,944	9,310
3	Oceanside Boulevard	Garrison Street to El Camino Real	70.4	64.3	67.3	72.8	30	95	301	953	3,013	9,527

**FHWA RD-77-108  
Traffic Noise Prediction Model**

**Data Input Sheet**

**Project Name :** Garrison Multi-Family  
**Project Number :** 10550  
**Modeled Condition :** Opening Year 2027

**Surface Refelction:** CNEL  
**Assessment Metric:** Hard  
**Peak ratio to ADT:** 10.00  
**Traffic Desc. (Peak or ADT) :** ADT

Segment	Roadway Name	Segment	Traffic Vol.	Speed	Distance	% Autos	%MT	% HT	Day %	Eve %	Night %	K-Factor
				(Mph)	to CL							
1	Garrison Street	Northern Terminus to Oceanside Boulevard	943	25	50	97.00	2.00	1.00	77.00	10.00	13.00	
2	Oceanside Boulevard	Foussat Road to Garrison Street	30,279	40	50	95.00	3.00	2.00	77.00	10.00	13.00	
3	Oceanside Boulevard	Garrison Street to El Camino Real	29,936	40	50	95.00	3.00	2.00	77.00	10.00	13.00	

**FHWA RD-77-108  
Traffic Noise Prediction Model**

**Predicted Noise Levels**

**Project Name :** Garrison Multi-Family  
**Project Number :** 10550  
**Modeled Condition :** Opening Year 2027  
**Assessment Metric:** Hard

Segment	Roadway Name	Segment	Noise Levels, dBA Hard				Distance to Traffic Noise Level Contours, Feet					
			Auto	MT	HT	Total	75 dB	70 dB	65 dB	60 dB	55 dB	50 dB
1	Garrison Street	Northern Terminus to Oceanside Boulevard	50.0	44.8	49.4	53.4	0	1	3	11	35	109
2	Oceanside Boulevard	Foussat Road to Garrison Street	70.8	64.8	67.8	73.3	34	107	338	1,069	3,380	10,690
3	Oceanside Boulevard	Garrison Street to El Camino Real	70.8	64.7	67.8	73.2	33	104	330	1,045	3,303	10,446

FHWA RD-77-108  
Traffic Noise Prediction Model

Data Input Sheet

**Project Name :** Garrison Multi-Family  
**Project Number :** 10550  
**Modeled Condition :** Opening Year 2027 + Project

**Surface Refelction:** CNEL  
**Assessment Metric:** Hard  
**Peak ratio to ADT:** 10.00  
**Traffic Desc. (Peak or ADT) :** ADT

Segment	Roadway Name	Segment	Traffic Vol.	Speed	Distance	% Autos	%MT	% HT	Day %	Eve %	Night %	K-Factor
				(Mph)	to CL							
1	Garrison Street	Northern Terminus to Oceanside Boulevard	1,916	25	50	97.00	2.00	1.00	77.00	10.00	13.00	
2	Oceanside Boulevard	Foussat Road to Garrison Street	30,474	40	50	95.00	3.00	2.00	77.00	10.00	13.00	
3	Oceanside Boulevard	Garrison Street to El Camino Real	30,714	40	50	95.00	3.00	2.00	77.00	10.00	13.00	

FHWA RD-77-108  
Traffic Noise Prediction Model

Predicted Noise Levels

**Project Name :** Garrison Multi-Family  
**Project Number :** 10550  
**Modeled Condition :** Opening Year 2027 + Project  
**Assessment Metric:** Hard

Segment	Roadway Name	Segment	Noise Levels, dBA Hard					Distance to Traffic Noise Level Contours, Feet				
			Auto	MT	HT	Total	75 dB	70 dB	65 dB	60 dB	55 dB	50 dB
1	Garrison Street	Northern Terminus to Oceanside Boulevard	53.1	47.8	52.5	56.4	1	2	7	22	69	218
2	Oceanside Boulevard	Foussat Road to Garrison Street	70.9	64.8	67.9	73.3	34	107	338	1,069	3,380	10,690
3	Oceanside Boulevard	Garrison Street to El Camino Real	70.9	64.8	67.9	73.3	34	107	338	1,069	3,380	10,690

FHWA RD-77-108  
Traffic Noise Prediction Model

Data Input Sheet

**Project Name :** Garrison Multi-Family  
**Project Number :** 10550  
**Modeled Condition :** Horizon Year 2050

**Surface Refelction:** CNEL  
**Assessment Metric:** Hard  
**Peak ratio to ADT:** 10.00  
**Traffic Desc. (Peak or ADT) :** ADT

Segment	Roadway Name	Segment	Traffic Vol.	Speed	Distance	% Autos	%MT	% HT	Day %	Eve %	Night %	K-Factor
				(Mph)	to CL							
1	Garrison Street	Northern Terminus to Oceanside Boulevard	1,200	25	50	97.00	2.00	1.00	77.00	10.00	13.00	
2	Oceanside Boulevard	Foussat Road to Garrison Street	32,200	40	50	95.00	3.00	2.00	77.00	10.00	13.00	
3	Oceanside Boulevard	Garrison Street to El Camino Real	32,200	40	50	95.00	3.00	2.00	77.00	10.00	13.00	

FHWA RD-77-108  
Traffic Noise Prediction Model

Predicted Noise Levels

**Project Name :** Garrison Multi-Family  
**Project Number :** 10550  
**Modeled Condition :** Horizon Year 2050  
**Assessment Metric:** Hard

Segment	Roadway Name	Segment	Noise Levels, dBA Hard					Distance to Traffic Noise Level Contours, Feet				
			Auto	MT	HT	Total	75 dB	70 dB	65 dB	60 dB	55 dB	50 dB
1	Garrison Street	Northern Terminus to Oceanside Boulevard	51.0	45.8	50.4	54.4	0	1	4	14	44	138
2	Oceanside Boulevard	Foussat Road to Garrison Street	71.1	65.0	68.1	73.5	35	112	354	1,119	3,540	11,194
3	Oceanside Boulevard	Garrison Street to El Camino Real	71.1	65.0	68.1	73.5	35	112	354	1,119	3,540	11,194

FHWA RD-77-108  
Traffic Noise Prediction Model

Data Input Sheet

**Project Name :** Garrison Multi-Family  
**Project Number :** 10550  
**Modeled Condition :** Horizon Year 2050 + Project

**Surface Refelction:** CNEL  
**Assessment Metric:** Hard  
**Peak ratio to ADT:** 10.00  
**Traffic Desc. (Peak or ADT) :** ADT

Segment	Roadway Name	Segment	Traffic Vol.	Speed	Distance	% Autos	%MT	% HT	Day %	Eve %	Night %	K-Factor
				(Mph)	to CL							
1	Garrison Street	Northern Terminus to Oceanside Boulevard	2,173	25	50	97.00	2.00	1.00	77.00	10.00	13.00	
2	Oceanside Boulevard	Foussat Road to Garrison Street	32,395	40	50	95.00	3.00	2.00	77.00	10.00	13.00	
3	Oceanside Boulevard	Garrison Street to El Camino Real	32,978	40	50	95.00	3.00	2.00	77.00	10.00	13.00	

FHWA RD-77-108  
Traffic Noise Prediction Model

Predicted Noise Levels

**Project Name :** Garrison Multi-Family  
**Project Number :** 10550  
**Modeled Condition :** Horizon Year 2050 + Project  
**Assessment Metric:** Hard

Segment	Roadway Name	Segment	Noise Levels, dBA Hard				Distance to Traffic Noise Level Contours, Feet					
			Auto	MT	HT	Total	75 dB	70 dB	65 dB	60 dB	55 dB	50 dB
1	Garrison Street	Northern Terminus to Oceanside Boulevard	53.6	48.4	53.0	57.0	1	3	8	25	79	251
2	Oceanside Boulevard	Foussat Road to Garrison Street	71.1	65.1	68.1	73.6	36	115	362	1,145	3,622	11,454
3	Oceanside Boulevard	Garrison Street to El Camino Real	71.2	65.1	68.2	73.6	36	115	362	1,145	3,622	11,454

## ATTACHMENT 6

SoundPLAN Data – HVAC

10550 Garrison Multi-Family  
SoundPLAN Data - HVAC

Source name	Reference	Noise Level		Corrections		
		Day dB(A)	Night dB(A)	Cwall dB(A)	CI dB(A)	CT dB(A)
HVAC1	Lw/unit	72	69	-	-	-
HVAC2	Lw/unit	72	69	-	-	-
HVAC3	Lw/unit	72	69	-	-	-
HVAC4	Lw/unit	72	69	-	-	-
HVAC5	Lw/unit	72	69	-	-	-
HVAC6	Lw/unit	72	69	-	-	-
HVAC7	Lw/unit	72	69	-	-	-
HVAC8	Lw/unit	72	69	-	-	-
HVAC9	Lw/unit	72	69	-	-	-
HVAC10	Lw/unit	72	69	-	-	-
HVAC11	Lw/unit	72	69	-	-	-
HVAC12	Lw/unit	72	69	-	-	-
HVAC13	Lw/unit	72	69	-	-	-
HVAC14	Lw/unit	72	69	-	-	-
HVAC15	Lw/unit	72	69	-	-	-
HVAC16	Lw/unit	72	69	-	-	-
HVAC17	Lw/unit	72	69	-	-	-
HVAC18	Lw/unit	72	69	-	-	-
HVAC19	Lw/unit	72	69	-	-	-
HVAC20	Lw/unit	72	69	-	-	-
HVAC21	Lw/unit	72	69	-	-	-
HVAC22	Lw/unit	72	69	-	-	-
HVAC23	Lw/unit	72	69	-	-	-
HVAC24	Lw/unit	72	69	-	-	-
HVAC25	Lw/unit	72	69	-	-	-
HVAC26	Lw/unit	72	69	-	-	-
HVAC27	Lw/unit	72	69	-	-	-
HVAC28	Lw/unit	72	69	-	-	-
HVAC29	Lw/unit	72	69	-	-	-
HVAC30	Lw/unit	72	69	-	-	-
HVAC31	Lw/unit	72	69	-	-	-
HVAC32	Lw/unit	72	69	-	-	-
HVAC33	Lw/unit	72	69	-	-	-
HVAC34	Lw/unit	72	69	-	-	-
HVAC35	Lw/unit	72	69	-	-	-
HVAC36	Lw/unit	72	69	-	-	-
HVAC37	Lw/unit	72	69	-	-	-
HVAC38	Lw/unit	72	69	-	-	-
HVAC39	Lw/unit	72	69	-	-	-
HVAC40	Lw/unit	72	69	-	-	-
HVAC41	Lw/unit	72	69	-	-	-
HVAC42	Lw/unit	72	69	-	-	-
HVAC43	Lw/unit	72	69	-	-	-
HVAC44	Lw/unit	72	69	-	-	-
HVAC45	Lw/unit	72	69	-	-	-
HVAC46	Lw/unit	72	69	-	-	-
HVAC47	Lw/unit	72	69	-	-	-
HVAC48	Lw/unit	72	69	-	-	-
HVAC49	Lw/unit	72	69	-	-	-
HVAC50	Lw/unit	72	69	-	-	-
HVAC51	Lw/unit	72	69	-	-	-
HVAC52	Lw/unit	72	69	-	-	-
HVAC53	Lw/unit	72	69	-	-	-
HVAC54	Lw/unit	72	69	-	-	-
HVAC55	Lw/unit	72	69	-	-	-
HVAC56	Lw/unit	72	69	-	-	-
HVAC57	Lw/unit	72	69	-	-	-
HVAC58	Lw/unit	72	69	-	-	-
HVAC59	Lw/unit	72	69	-	-	-
HVAC60	Lw/unit	72	69	-	-	-
HVAC61	Lw/unit	72	69	-	-	-
HVAC62	Lw/unit	72	69	-	-	-
HVAC63	Lw/unit	72	69	-	-	-
HVAC64	Lw/unit	72	69	-	-	-
HVAC65	Lw/unit	72	69	-	-	-
HVAC66	Lw/unit	72	69	-	-	-
HVAC67	Lw/unit	72	69	-	-	-
HVAC68	Lw/unit	72	69	-	-	-
HVAC69	Lw/unit	72	69	-	-	-

10550 Garrison Multi-Family  
SoundPLAN Data - HVAC

HVAC70	Lw/unit	72	69	-	-	-
HVAC71	Lw/unit	72	69	-	-	-
HVAC72	Lw/unit	72	69	-	-	-
HVAC73	Lw/unit	72	69	-	-	-
HVAC74	Lw/unit	72	69	-	-	-
HVAC75	Lw/unit	72	69	-	-	-
HVAC76	Lw/unit	72	69	-	-	-
HVAC77	Lw/unit	72	69	-	-	-
HVAC78	Lw/unit	72	69	-	-	-
HVAC79	Lw/unit	72	69	-	-	-
HVAC80	Lw/unit	72	69	-	-	-
HVAC81	Lw/unit	72	69	-	-	-
HVAC82	Lw/unit	72	69	-	-	-
HVAC83	Lw/unit	72	69	-	-	-
HVAC84	Lw/unit	72	69	-	-	-
HVAC85	Lw/unit	72	69	-	-	-
HVAC86	Lw/unit	72	69	-	-	-
HVAC87	Lw/unit	72	69	-	-	-
HVAC88	Lw/unit	72	69	-	-	-
HVAC89	Lw/unit	72	69	-	-	-
HVAC90	Lw/unit	72	69	-	-	-
HVAC91	Lw/unit	72	69	-	-	-
HVAC92	Lw/unit	72	69	-	-	-
HVAC93	Lw/unit	72	69	-	-	-
HVAC94	Lw/unit	72	69	-	-	-
HVAC95	Lw/unit	72	69	-	-	-
HVAC96	Lw/unit	72	69	-	-	-
HVAC97	Lw/unit	72	69	-	-	-
HVAC98	Lw/unit	72	69	-	-	-
HVAC99	Lw/unit	72	69	-	-	-
HVAC100	Lw/unit	72	69	-	-	-
HVAC101	Lw/unit	72	69	-	-	-
HVAC102	Lw/unit	72	69	-	-	-
HVAC103	Lw/unit	72	69	-	-	-
HVAC104	Lw/unit	72	69	-	-	-
HVAC105	Lw/unit	72	69	-	-	-
HVAC106	Lw/unit	72	69	-	-	-
HVAC107	Lw/unit	72	69	-	-	-
HVAC108	Lw/unit	72	69	-	-	-
HVAC109	Lw/unit	72	69	-	-	-
HVAC110	Lw/unit	72	69	-	-	-
HVAC111	Lw/unit	72	69	-	-	-
HVAC112	Lw/unit	72	69	-	-	-
HVAC113	Lw/unit	72	69	-	-	-
HVAC114	Lw/unit	72	69	-	-	-
HVAC115	Lw/unit	72	69	-	-	-
HVAC116	Lw/unit	72	69	-	-	-
HVAC117	Lw/unit	72	69	-	-	-
HVAC118	Lw/unit	72	69	-	-	-
HVAC119	Lw/unit	72	69	-	-	-
HVAC120	Lw/unit	72	69	-	-	-
HVAC121	Lw/unit	72	69	-	-	-
HVAC122	Lw/unit	72	69	-	-	-
HVAC123	Lw/unit	72	69	-	-	-
HVAC124	Lw/unit	72	69	-	-	-
HVAC125	Lw/unit	72	69	-	-	-
HVAC126	Lw/unit	72	69	-	-	-
HVAC127	Lw/unit	72	69	-	-	-
HVAC128	Lw/unit	72	69	-	-	-
HVAC129	Lw/unit	72	69	-	-	-
HVAC130	Lw/unit	72	69	-	-	-
HVAC131	Lw/unit	72	69	-	-	-
HVAC132	Lw/unit	72	69	-	-	-
HVAC133	Lw/unit	72	69	-	-	-
HVAC134	Lw/unit	72	69	-	-	-
HVAC135	Lw/unit	72	69	-	-	-
HVAC136	Lw/unit	72	69	-	-	-
HVAC137	Lw/unit	72	69	-	-	-
HVAC138	Lw/unit	72	69	-	-	-
HVAC139	Lw/unit	72	69	-	-	-
HVAC140	Lw/unit	72	69	-	-	-

10550 Garrison Multi-Family  
SoundPLAN Data - HVAC

No.	Coordinates			Noise Level	
	X (meters)	Y (meters)	Height (meters)	Day dB(A)	Night dB(A)
1	468497.57	3674061.14	38.08	38.1	35.1
2	468492.41	3674027.01	37.43	36.3	33.3
3	468559.88	3674021.05	30.62	45.1	42.1
4	468586.86	3674021.05	30.69	43.2	40.2
5	468668.22	3674038.91	25.88	34.2	31.2
6	468781.33	3674149.24	29.61	32.5	29.5
7	468771.41	3674223.46	28.73	32.5	29.5
8	468786.89	3674275.85	28.35	30.3	27.3
9	468756.73	3674345.10	30.15	30.1	27.1
10	468755.14	3674391.93	32.68	25.9	22.9
11	468632.90	3674396.70	50.99	31.3	28.3
12	468601.15	3674350.26	51.49	33.5	30.5
13	468528.92	3674302.24	62.98	34.9	31.9
14	468483.28	3674254.61	66.59	35.7	32.7
15	468466.21	3674210.36	61.38	36.1	33.1
16	468449.54	3674137.73	60.31	36.1	33.1

Receivers

10550 Garrison Multi-Family  
SoundPLAN Data - HVAC

Source name						Noise Level	
						Day	Night
1	1.FI	38.1	35.1	0.0	0.0	dB(A)	
HVAC1						2.3	-0.7
HVAC2						2.9	-0.1
HVAC3						2.3	-0.7
HVAC4						2.6	-0.4
HVAC5						4.1	1.1
HVAC6						6.4	3.4
HVAC7						27.5	24.5
HVAC8						27.4	24.4
HVAC9						28.1	25.1
HVAC10						28.1	25.1
HVAC11						28.4	25.4
HVAC12						7.7	4.7
HVAC13						25.3	22.3
HVAC14						26.5	23.5
HVAC15						27.9	24.9
HVAC16						0.9	-2.1
HVAC17						3.3	0.3
HVAC18						1.3	-1.7
HVAC19						3.6	0.6
HVAC20						3.9	0.9
HVAC21						3.7	0.7
HVAC22						3.1	0.1
HVAC23						3.0	0.0
HVAC24						3.3	0.3
HVAC25						3.9	0.9
HVAC26						15.7	12.7
HVAC27						6.6	3.6
HVAC28						-2.5	-5.5
HVAC29						0.1	-2.9
HVAC30						-0.7	-3.7
HVAC31						1.2	-1.8
HVAC32						0.2	-2.8
HVAC33						0.0	-3.0
HVAC34						-0.5	-3.5
HVAC35						-0.6	-3.6
HVAC36						0.7	-2.3
HVAC37						-0.5	-3.5
HVAC38						4.4	1.4
HVAC39						2.2	-0.8
HVAC40						-5.1	-8.1
HVAC41						-2.5	-5.5
HVAC42						-5.2	-8.2
HVAC43						-2.4	-5.4
HVAC44						-2.3	-5.3
HVAC45						-2.5	-5.5
HVAC46						-3.0	-6.0
HVAC47						-3.1	-6.1
HVAC48						-3.1	-6.1
HVAC49						-3.0	-6.0
HVAC50						0.6	-2.4
HVAC51						-5.8	-8.8
HVAC52						-7.2	-10.2
HVAC53						-4.6	-7.6
HVAC54						-4.7	-7.7
HVAC55						-6.1	-9.1
HVAC56						-5.4	-8.4
HVAC57						-5.3	-8.3
HVAC58						-5.0	-8.0
HVAC59						-6.0	-9.0
HVAC60						-9.3	-12.3
HVAC61						-5.0	-8.0
HVAC62						-9.5	-12.5
HVAC63						-9.7	-12.7
HVAC64						-9.8	-12.8
HVAC65						-10.0	-13.0
HVAC66						-10.0	-13.0
HVAC67						-9.7	-12.7
HVAC68						-0.1	-3.1
HVAC69						-0.4	-3.4
HVAC70						-0.4	-3.4
HVAC71						-3.1	-6.1
HVAC72						-1.5	-4.5
HVAC73						3.5	0.5
HVAC74						-9.8	-12.8
HVAC75						-9.7	-12.7
HVAC76						-9.5	-12.5
HVAC77						-9.3	-12.3

10550 Garrison Multi-Family  
SoundPLAN Data - HVAC

HVAC78	6.1	3.1
HVAC79	1.4	-1.6
HVAC80	-8.4	-11.4
HVAC81	-8.5	-11.5
HVAC82	-4.2	-7.2
HVAC83	-4.2	-7.2
HVAC84	-8.4	-11.4
HVAC85	-6.9	-9.9
HVAC86	-4.4	-7.4
HVAC87	-4.7	-7.7
HVAC88	-4.6	-7.6
HVAC89	-4.4	-7.4
HVAC90	-3.9	-6.9
HVAC91	-3.3	-6.3
HVAC92	5.9	2.9
HVAC93	6.2	3.2
HVAC94	-3.1	-6.1
HVAC95	-3.5	-6.5
HVAC96	-3.6	-6.6
HVAC97	-4.3	-7.3
HVAC98	-4.3	-7.3
HVAC99	-4.2	-7.2
HVAC100	-4.4	-7.4
HVAC101	8.2	5.2
HVAC102	-1.2	-4.2
HVAC103	-1.6	-4.6
HVAC104	-1.2	-4.2
HVAC105	-2.0	-5.0
HVAC106	-2.1	-5.1
HVAC107	-1.7	-4.7
HVAC108	-4.3	-7.3
HVAC109	-2.3	-5.3
HVAC110	-1.4	-4.4
HVAC111	-1.7	-4.7
HVAC112	-1.7	-4.7
HVAC113	-0.9	-3.9
HVAC114	-1.2	-4.2
HVAC115	-1.7	-4.7
HVAC116	10.0	7.0
HVAC117	13.3	10.3
HVAC118	8.8	5.8
HVAC119	3.2	0.2
HVAC120	3.4	0.4
HVAC121	0.8	-2.2
HVAC122	0.6	-2.4
HVAC123	0.7	-2.3
HVAC124	-1.7	-4.7
HVAC125	0.1	-2.9
HVAC126	1.1	-1.9
HVAC127	1.0	-2.0
HVAC128	1.1	-1.9
HVAC129	2.3	-0.7
HVAC130	0.6	-2.4
HVAC131	17.3	14.3
HVAC132	22.7	19.7
HVAC133	24.6	21.6
HVAC134	25.2	22.2
HVAC135	24.5	21.5
HVAC136	24.5	21.5
HVAC137	23.9	20.9
HVAC138	18.0	15.0
HVAC139	13.5	10.5

10550 Garrison Multi-Family  
SoundPLAN Data - HVAC

HVAC140						-0.1	-3.1
2	1.FI	36.3	33.3	0.0	0.0		
HVAC1						4.8	1.8
HVAC2						1.9	-1.1
HVAC3						2.0	-1.0
HVAC4						3.9	0.9
HVAC5						25.7	22.7
HVAC6						28.4	25.4
HVAC7						27.9	24.9
HVAC8						27.3	24.3
HVAC9						25.7	22.7
HVAC10						25.2	22.2
HVAC11						24.4	21.4
HVAC12						3.2	0.2
HVAC13						18.7	15.7
HVAC14						19.6	16.6
HVAC15						23.3	20.3
HVAC16						-2.2	-5.2
HVAC17						0.5	-2.5
HVAC18						-2.3	-5.3
HVAC19						0.6	-2.4
HVAC20						0.3	-2.7
HVAC21						2.6	-0.4
HVAC22						0.5	-2.5
HVAC23						-0.3	-3.3
HVAC24						-0.3	-3.3
HVAC25						-0.4	-3.4
HVAC26						-3.4	-6.4
HVAC27						-3.0	-6.0
HVAC28						-5.2	-8.2
HVAC29						-1.9	-4.9
HVAC30						-4.6	-7.6
HVAC31						-1.8	-4.8
HVAC32						-1.3	-4.3
HVAC33						-0.6	-3.6
HVAC34						-2.3	-5.3
HVAC35						-2.5	-5.5
HVAC36						-2.5	-5.5
HVAC37						-2.6	-5.6
HVAC38						-5.9	-8.9
HVAC39						-2.5	-5.5
HVAC40						-6.8	-9.8
HVAC41						-3.9	-6.9
HVAC42						-6.8	-9.8
HVAC43						-3.9	-6.9
HVAC44						-3.5	-6.5
HVAC45						-2.4	-5.4
HVAC46						-4.4	-7.4
HVAC47						-4.6	-7.6
HVAC48						-4.6	-7.6
HVAC49						-4.7	-7.7
HVAC50						-4.8	-7.8
HVAC51						-7.6	-10.6
HVAC52						-8.5	-11.5
HVAC53						-5.6	-8.6
HVAC54						-5.6	-8.6
HVAC55						-6.0	-9.0
HVAC56						-4.9	-7.9
HVAC57						-6.2	-9.2
HVAC58						-6.0	-9.0
HVAC59						-7.4	-10.4
HVAC60						-2.6	-5.6
HVAC61						-5.0	-8.0
HVAC62						-2.5	-5.5
HVAC63						-3.8	-6.8
HVAC64						-3.7	-6.7
HVAC65						-4.9	-7.9
HVAC66						-9.9	-12.9
HVAC67						-10.6	-13.6
HVAC68						4.6	1.6
HVAC69						5.4	2.4
HVAC70						5.7	2.7
HVAC71						4.9	1.9
HVAC72						-10.0	-13.0
HVAC73						12.7	9.7
HVAC74						-10.4	-13.4
HVAC75						-10.6	-13.6
HVAC76						-10.4	-13.4
HVAC77						-10.3	-13.3
HVAC78						11.8	8.8
HVAC79						-3.7	-6.7

10550 Garrison Multi-Family  
SoundPLAN Data - HVAC

HVAC80	-8.3	-11.3
HVAC81	-8.8	-11.8
HVAC82	-4.2	-7.2
HVAC83	-4.2	-7.2
HVAC84	-9.3	-12.3
HVAC85	-8.4	-11.4
HVAC86	-5.6	-8.6
HVAC87	-5.5	-8.5
HVAC88	-5.4	-8.4
HVAC89	-4.8	-7.8
HVAC90	-3.9	-6.9
HVAC91	-1.4	-4.4
HVAC92	11.8	8.8
HVAC93	12.8	9.8
HVAC94	-4.1	-7.1
HVAC95	-4.1	-7.1
HVAC96	-3.5	-6.5
HVAC97	-5.1	-8.1
HVAC98	-5.1	-8.1
HVAC99	-5.2	-8.2
HVAC100	-5.9	-8.9
HVAC101	13.7	10.7
HVAC102	1.1	-1.9
HVAC103	-1.9	-4.9
HVAC104	-2.9	-5.9
HVAC105	-2.8	-5.8
HVAC106	-2.9	-5.9
HVAC107	-3.0	-6.0
HVAC108	-5.5	-8.5
HVAC109	-4.2	-7.2
HVAC110	-3.4	-6.4
HVAC111	-3.3	-6.3
HVAC112	-3.2	-6.2
HVAC113	-2.3	-5.3
HVAC114	-2.3	-5.3
HVAC115	-1.5	-4.5
HVAC116	17.3	14.3
HVAC117	18.3	15.3
HVAC118	4.0	1.0
HVAC119	0.5	-2.5
HVAC120	-0.4	-3.4
HVAC121	-1.2	-4.2
HVAC122	-0.7	-3.7
HVAC123	-0.9	-3.9
HVAC124	-3.5	-6.5
HVAC125	-1.3	-4.3
HVAC126	-0.6	-3.6
HVAC127	-0.4	-3.4
HVAC128	-0.9	-3.9
HVAC129	0.0	-3.0
HVAC130	-0.1	-3.1
HVAC131	1.0	-2.0
HVAC132	19.7	16.7
HVAC133	21.2	18.2
HVAC134	21.8	18.8
HVAC135	10.2	7.2
HVAC136	8.8	5.8
HVAC137	7.7	4.7
HVAC138	7.9	4.9

10550 Garrison Multi-Family  
SoundPLAN Data - HVAC

HVAC139						6.3	3.3
HVAC140						-0.2	-3.2
3	1.FI	45.1	42.1	0.0	0.0		
HVAC1						8.9	5.9
HVAC2						10.1	7.1
HVAC3						10.8	7.8
HVAC4						20.8	17.8
HVAC5						44.5	41.5
HVAC6						35.6	32.6
HVAC7						8.8	5.8
HVAC8						8.4	5.4
HVAC9						7.0	4.0
HVAC10						6.6	3.6
HVAC11						5.5	2.5
HVAC12						0.7	-2.3
HVAC13						3.3	0.3
HVAC14						3.4	0.4
HVAC15						4.0	1.0
HVAC16						-0.7	-3.7
HVAC17						-2.5	-5.5
HVAC18						1.0	-2.0
HVAC19						0.3	-2.7
HVAC20						-1.4	-4.4
HVAC21						0.6	-2.4
HVAC22						1.2	-1.8
HVAC23						1.1	-1.9
HVAC24						0.1	-2.9
HVAC25						-0.5	-3.5
HVAC26						-3.8	-6.8
HVAC27						-3.0	-6.0
HVAC28						-2.7	-5.7
HVAC29						-4.7	-7.7
HVAC30						-2.3	-5.3
HVAC31						-1.2	-4.2
HVAC32						-4.2	-7.2
HVAC33						-2.0	-5.0
HVAC34						-1.2	-4.2
HVAC35						-2.3	-5.3
HVAC36						-2.6	-5.6
HVAC37						-2.7	-5.7
HVAC38						-5.7	-8.7
HVAC39						-4.8	-7.8
HVAC40						-4.6	-7.6
HVAC41						-4.5	-7.5
HVAC42						-4.3	-7.3
HVAC43						-4.3	-7.3
HVAC44						-4.1	-7.1
HVAC45						-4.2	-7.2
HVAC46						-4.3	-7.3
HVAC47						-4.4	-7.4
HVAC48						-4.6	-7.6
HVAC49						-4.6	-7.6
HVAC50						-7.5	-10.5
HVAC51						-6.3	-9.3
HVAC52						-8.5	-11.5
HVAC53						-5.0	-8.0
HVAC54						-5.0	-8.0
HVAC55						-6.6	-9.6
HVAC56						-4.9	-7.9
HVAC57						-6.1	-9.1
HVAC58						-6.2	-9.2
HVAC59						-9.0	-12.0
HVAC60						-9.7	-12.7
HVAC61						-7.0	-10.0
HVAC62						-9.9	-12.9
HVAC63						-10.1	-13.1
HVAC64						-10.2	-13.2
HVAC65						-10.5	-13.5
HVAC66						-10.8	-13.8
HVAC67						-10.7	-13.7
HVAC68						-10.5	-13.5
HVAC69						-10.2	-13.2
HVAC70						-10.1	-13.1
HVAC71						-9.9	-12.9
HVAC72						-9.7	-12.7
HVAC73						-6.9	-9.9
HVAC74						-10.4	-13.4
HVAC75						-10.1	-13.1
HVAC76						-9.8	-12.8
HVAC77						-9.6	-12.6
HVAC78						-6.7	-9.7

10550 Garrison Multi-Family  
SoundPLAN Data - HVAC

HVAC79	-8.8	-11.8
HVAC80	-8.9	-11.9
HVAC81	-6.8	-9.8
HVAC82	-6.8	-9.8
HVAC83	-8.8	-11.8
HVAC84	-8.6	-11.6
HVAC85	-4.9	-7.9
HVAC86	-4.7	-7.7
HVAC87	-4.7	-7.7
HVAC88	-4.7	-7.7
HVAC89	-4.7	-7.7
HVAC90	-4.8	-7.8
HVAC91	-4.8	-7.8
HVAC92	-6.3	-9.3
HVAC93	-6.7	-9.7
HVAC94	-4.7	-7.7
HVAC95	-4.7	-7.7
HVAC96	-4.7	-7.7
HVAC97	-4.6	-7.6
HVAC98	-4.6	-7.6
HVAC99	-4.6	-7.6
HVAC100	-4.3	-7.3
HVAC101	-5.6	-8.6
HVAC102	-2.6	-5.6
HVAC103	-1.9	-4.9
HVAC104	-1.8	-4.8
HVAC105	-1.7	-4.7
HVAC106	-1.7	-4.7
HVAC107	-0.5	-3.5
HVAC108	-2.9	-5.9
HVAC109	-2.0	-5.0
HVAC110	-0.4	-3.4
HVAC111	-1.7	-4.7
HVAC112	-1.7	-4.7
HVAC113	-1.7	-4.7
HVAC114	-3.5	-6.5
HVAC115	-2.5	-5.5
HVAC116	-4.3	-7.3
HVAC117	-3.1	-6.1
HVAC118	0.2	-2.8
HVAC119	1.1	-1.9
HVAC120	1.3	-1.7
HVAC121	2.6	-0.4
HVAC122	2.6	-0.4
HVAC123	2.6	-0.4
HVAC124	0.9	-2.1
HVAC125	2.3	-0.7
HVAC126	2.7	-0.3
HVAC127	2.7	-0.3
HVAC128	2.7	-0.3
HVAC129	1.3	-1.7
HVAC130	1.3	-1.7
HVAC131	0.4	-2.6
HVAC132	0.5	-2.5
HVAC133	1.5	-1.5
HVAC134	4.9	1.9
HVAC135	7.3	4.3
HVAC136	7.9	4.9
HVAC137	8.0	5.0

10550 Garrison Multi-Family  
SoundPLAN Data - HVAC

HVAC138						7.4	4.4
HVAC139						6.7	3.7
HVAC140						4.4	1.4
4	1.FI	43.2	40.2	0.0	0.0		
HVAC1						31.3	28.3
HVAC2						33.2	30.2
HVAC3						32.1	29.1
HVAC4						37.3	34.3
HVAC5						38.3	35.3
HVAC6						26.0	23.0
HVAC7						5.0	2.0
HVAC8						5.0	2.0
HVAC9						4.6	1.6
HVAC10						4.5	1.5
HVAC11						4.2	1.2
HVAC12						-0.3	-3.3
HVAC13						1.8	-1.2
HVAC14						1.9	-1.1
HVAC15						3.2	0.2
HVAC16						-1.9	-4.9
HVAC17						-1.5	-4.5
HVAC18						-2.0	-5.0
HVAC19						0.9	-2.1
HVAC20						-0.1	-3.1
HVAC21						2.4	-0.6
HVAC22						0.5	-2.5
HVAC23						2.5	-0.5
HVAC24						1.2	-1.8
HVAC25						-1.1	-4.1
HVAC26						-3.3	-6.3
HVAC27						-5.4	-8.4
HVAC28						-2.4	-5.4
HVAC29						-4.9	-7.9
HVAC30						-2.1	-5.1
HVAC31						-2.0	-5.0
HVAC32						-4.2	-7.2
HVAC33						1.0	-2.0
HVAC34						-2.3	-5.3
HVAC35						-1.3	-4.3
HVAC36						-2.8	-5.8
HVAC37						-2.9	-5.9
HVAC38						-6.0	-9.0
HVAC39						-7.0	-10.0
HVAC40						-4.2	-7.2
HVAC41						-6.7	-9.7
HVAC42						-4.1	-7.1
HVAC43						-6.4	-9.4
HVAC44						-6.2	-9.2
HVAC45						-0.8	-3.8
HVAC46						-4.2	-7.2
HVAC47						-4.3	-7.3
HVAC48						-4.5	-7.5
HVAC49						-4.6	-7.6
HVAC50						-7.6	-10.6
HVAC51						-6.2	-9.2
HVAC52						-8.4	-11.4
HVAC53						-4.8	-7.8
HVAC54						-4.7	-7.7
HVAC55						-8.0	-11.0
HVAC56						-4.7	-7.7
HVAC57						-4.9	-7.9
HVAC58						-6.0	-9.0
HVAC59						-8.9	-11.9
HVAC60						-5.4	-8.4
HVAC61						-6.5	-9.5
HVAC62						-6.0	-9.0
HVAC63						-3.5	-6.5
HVAC64						-3.5	-6.5
HVAC65						-3.7	-6.7
HVAC66						-10.5	-13.5
HVAC67						-10.5	-13.5
HVAC68						-10.2	-13.2
HVAC69						-9.9	-12.9
HVAC70						-9.8	-12.8
HVAC71						-9.6	-12.6
HVAC72						-9.4	-12.4
HVAC73						-6.4	-9.4
HVAC74						-10.1	-13.1
HVAC75						-5.9	-8.9
HVAC76						-6.6	-9.6
HVAC77						-7.3	-10.3

10550 Garrison Multi-Family  
SoundPLAN Data - HVAC

HVAC78	-5.1	-8.1
HVAC79	-8.5	-11.5
HVAC80	-8.5	-11.5
HVAC81	-4.8	-7.8
HVAC82	-4.7	-7.7
HVAC83	-8.4	-11.4
HVAC84	0.5	-2.5
HVAC85	13.7	10.7
HVAC86	-1.4	-4.4
HVAC87	-4.2	-7.2
HVAC88	-4.2	-7.2
HVAC89	-4.3	-7.3
HVAC90	-4.4	-7.4
HVAC91	-4.4	-7.4
HVAC92	-7.4	-10.4
HVAC93	-4.4	-7.4
HVAC94	-4.2	-7.2
HVAC95	-4.1	-7.1
HVAC96	-4.2	-7.2
HVAC97	-4.1	-7.1
HVAC98	-4.0	-7.0
HVAC99	-1.1	-4.1
HVAC100	14.5	11.5
HVAC101	-5.3	-8.3
HVAC102	-1.5	-4.5
HVAC103	-1.4	-4.4
HVAC104	-1.3	-4.3
HVAC105	-1.2	-4.2
HVAC106	-1.1	-4.1
HVAC107	1.3	-1.7
HVAC108	16.2	13.2
HVAC109	17.3	14.3
HVAC110	-1.4	-4.4
HVAC111	-1.1	-4.1
HVAC112	-1.1	-4.1
HVAC113	-1.3	-4.3
HVAC114	-1.3	-4.3
HVAC115	-1.4	-4.4
HVAC116	-2.2	-5.2
HVAC117	-2.3	-5.3
HVAC118	1.3	-1.7
HVAC119	1.5	-1.5
HVAC120	1.7	-1.3
HVAC121	1.7	-1.3
HVAC122	1.8	-1.2
HVAC123	5.3	2.3
HVAC124	19.6	16.6
HVAC125	23.6	20.6
HVAC126	2.1	-0.9
HVAC127	1.9	-1.1
HVAC128	1.8	-1.2
HVAC129	1.8	-1.2
HVAC130	1.7	-1.3
HVAC131	1.3	-1.7
HVAC132	-0.2	-3.2
HVAC133	2.2	-0.8
HVAC134	15.9	12.9
HVAC135	23.2	20.2
HVAC136	26.2	23.2

10550 Garrison Multi-Family  
SoundPLAN Data - HVAC

HVAC137						27.1	24.1
HVAC138						27.4	24.4
HVAC139						28.1	25.1
HVAC140						27.8	24.8
5	1.FI	34.2	31.2	0.0	0.0		
HVAC1						22.1	19.1
HVAC2						22.0	19.0
HVAC3						22.0	19.0
HVAC4						21.8	18.8
HVAC5						0.7	-2.3
HVAC6						-3.6	-6.6
HVAC7						-3.6	-6.6
HVAC8						-3.5	-6.5
HVAC9						-3.5	-6.5
HVAC10						-3.4	-6.4
HVAC11						-3.5	-6.5
HVAC12						-5.9	-8.9
HVAC13						-5.2	-8.2
HVAC14						-5.1	-8.1
HVAC15						13.4	10.4
HVAC16						-3.8	-6.8
HVAC17						-3.4	-6.4
HVAC18						0.2	-2.8
HVAC19						0.1	-2.9
HVAC20						1.8	-1.2
HVAC21						1.6	-1.4
HVAC22						3.2	0.2
HVAC23						11.1	8.1
HVAC24						10.4	7.4
HVAC25						10.1	7.1
HVAC26						-3.7	-6.7
HVAC27						-5.1	-8.1
HVAC28						-4.6	-7.6
HVAC29						-3.5	-6.5
HVAC30						-4.4	-7.4
HVAC31						-4.2	-7.2
HVAC32						-3.2	-6.2
HVAC33						-0.5	-3.5
HVAC34						-0.5	-3.5
HVAC35						-1.2	-4.2
HVAC36						-1.6	-4.6
HVAC37						-2.1	-5.1
HVAC38						-4.8	-7.8
HVAC39						-7.6	-10.6
HVAC40						-7.2	-10.2
HVAC41						-7.0	-10.0
HVAC42						-6.6	-9.6
HVAC43						-6.5	-9.5
HVAC44						-6.2	-9.2
HVAC45						-2.2	-5.2
HVAC46						-1.6	-4.6
HVAC47						-4.2	-7.2
HVAC48						-4.4	-7.4
HVAC49						-3.2	-6.2
HVAC50						-7.9	-10.9
HVAC51						-6.6	-9.6
HVAC52						-4.1	-7.1
HVAC53						-3.6	-6.6
HVAC54						-7.7	-10.7
HVAC55						-3.9	-6.9
HVAC56						-3.4	-6.4
HVAC57						-4.4	-7.4
HVAC58						-4.4	-7.4
HVAC59						-8.7	-11.7
HVAC60						-5.7	-8.7
HVAC61						-2.3	-5.3
HVAC62						-4.5	-7.5
HVAC63						-5.7	-8.7
HVAC64						-5.9	-8.9
HVAC65						-6.1	-9.1
HVAC66						-9.8	-12.8
HVAC67						-7.1	-10.1
HVAC68						-5.8	-8.8
HVAC69						-4.8	-7.8
HVAC70						-9.0	-12.0
HVAC71						-8.7	-11.7
HVAC72						-8.5	-11.5
HVAC73						-4.4	-7.4
HVAC74						-8.8	-11.8
HVAC75						13.9	10.9
HVAC76						14.6	11.6

10550 Garrison Multi-Family  
SoundPLAN Data - HVAC

HVAC77	12.3	9.3
HVAC78	-7.2	-10.2
HVAC79	-3.6	-6.6
HVAC80	-3.6	-6.6
HVAC81	-0.7	-3.7
HVAC82	-7.1	-10.1
HVAC83	-6.9	-9.9
HVAC84	16.3	13.3
HVAC85	17.7	14.7
HVAC86	7.6	4.6
HVAC87	-2.8	-5.8
HVAC88	-2.8	-5.8
HVAC89	-3.1	-6.1
HVAC90	-3.3	-6.3
HVAC91	-3.4	-6.4
HVAC92	-6.6	-9.6
HVAC93	-5.7	-8.7
HVAC94	-2.9	-5.9
HVAC95	-2.6	-5.6
HVAC96	-2.7	-5.7
HVAC97	-2.4	-5.4
HVAC98	-1.6	-4.6
HVAC99	13.5	10.5
HVAC100	18.6	15.6
HVAC101	-3.4	-6.4
HVAC102	-0.9	-3.9
HVAC103	-1.5	-4.5
HVAC104	-0.2	-3.2
HVAC105	0.2	-2.8
HVAC106	-0.6	-3.6
HVAC107	19.9	16.9
HVAC108	20.0	17.0
HVAC109	20.9	17.9
HVAC110	15.1	12.1
HVAC111	15.2	12.2
HVAC112	2.0	-1.0
HVAC113	0.2	-2.8
HVAC114	-0.3	-3.3
HVAC115	-4.2	-7.2
HVAC116	-2.1	-5.1
HVAC117	-1.9	-4.9
HVAC118	1.8	-1.2
HVAC119	1.2	-1.8
HVAC120	16.6	13.6
HVAC121	21.1	18.1
HVAC122	21.3	18.3
HVAC123	21.9	18.9
HVAC124	22.4	19.4
HVAC125	23.1	20.1
HVAC126	2.2	-0.8
HVAC127	-1.2	-4.2
HVAC128	-1.5	-4.5
HVAC129	14.6	11.6
HVAC130	0.1	-2.9
HVAC131	13.1	10.1
HVAC132	-0.9	-3.9
HVAC133	-2.8	-5.8
HVAC134	-2.4	-5.4
HVAC135	-1.8	-4.8

10550 Garrison Multi-Family  
 SoundPLAN Data - HVAC

HVAC136						-1.5	-4.5
HVAC137						0.0	-3.0
HVAC138						1.8	-1.2
HVAC139						20.3	17.3
HVAC140						23.9	20.9
6	1.FI	32.5	29.5	0.0	0.0		
HVAC1						14.7	11.7
HVAC2						14.7	11.7
HVAC3						14.6	11.6
HVAC4						14.4	11.4
HVAC5						0.5	-2.5
HVAC6						-8.8	-11.8
HVAC7						-9.9	-12.9
HVAC8						-9.9	-12.9
HVAC9						-9.7	-12.7
HVAC10						-9.6	-12.6
HVAC11						-9.5	-12.5
HVAC12						-10.1	-13.1
HVAC13						-9.9	-12.9
HVAC14						-9.8	-12.8
HVAC15						-9.6	-12.6
HVAC16						-9.7	-12.7
HVAC17						-6.3	-9.3
HVAC18						-6.4	-9.4
HVAC19						-4.1	-7.1
HVAC20						-3.4	-6.4
HVAC21						-8.5	-11.5
HVAC22						-8.8	-11.8
HVAC23						-8.9	-11.9
HVAC24						-9.2	-12.2
HVAC25						-9.3	-12.3
HVAC26						-9.6	-12.6
HVAC27						-9.1	-12.1
HVAC28						-7.6	-10.6
HVAC29						-4.9	-7.9
HVAC30						-4.7	-7.7
HVAC31						-2.5	-5.5
HVAC32						-3.2	-6.2
HVAC33						-7.6	-10.6
HVAC34						-7.9	-10.9
HVAC35						-8.1	-11.1
HVAC36						-8.4	-11.4
HVAC37						-8.6	-11.6
HVAC38						-9.0	-12.0
HVAC39						-8.6	-11.6
HVAC40						-3.2	-6.2
HVAC41						-0.6	-3.6
HVAC42						-3.4	-6.4
HVAC43						-2.4	-5.4
HVAC44						-2.0	-5.0
HVAC45						0.4	-2.6
HVAC46						0.7	-2.3
HVAC47						-5.4	-8.4
HVAC48						-4.6	-7.6
HVAC49						-4.8	-7.8
HVAC50						-8.5	-11.5
HVAC51						-8.1	-11.1
HVAC52						-4.1	-7.1
HVAC53						12.8	9.8
HVAC54						13.0	10.0
HVAC55						13.4	10.4
HVAC56						-4.5	-7.5
HVAC57						-7.3	-10.3
HVAC58						-3.7	-6.7
HVAC59						-8.0	-11.0
HVAC60						2.4	-0.6
HVAC61						15.6	12.6
HVAC62						-1.9	-4.9
HVAC63						-4.4	-7.4
HVAC64						-4.4	-7.4
HVAC65						-4.6	-7.6
HVAC66						-7.5	-10.5
HVAC67						-4.7	-7.7
HVAC68						-4.3	-7.3
HVAC69						-4.2	-7.2
HVAC70						-4.1	-7.1
HVAC71						-3.6	-6.6
HVAC72						-1.6	-4.6
HVAC73						16.9	13.9
HVAC74						-2.3	-5.3
HVAC75						17.4	14.4

10550 Garrison Multi-Family  
SoundPLAN Data - HVAC

HVAC76	17.9	14.9
HVAC77	18.2	15.2
HVAC78	-5.7	-8.7
HVAC79	-5.3	-8.3
HVAC80	10.0	7.0
HVAC81	11.3	8.3
HVAC82	11.7	8.7
HVAC83	17.2	14.2
HVAC84	20.5	17.5
HVAC85	20.9	17.9
HVAC86	17.3	14.3
HVAC87	9.7	6.7
HVAC88	9.1	6.1
HVAC89	-4.8	-7.8
HVAC90	-5.0	-8.0
HVAC91	-5.5	-8.5
HVAC92	-5.7	-8.7
HVAC93	-3.6	-6.6
HVAC94	14.6	11.6
HVAC95	-5.1	-8.1
HVAC96	17.8	14.8
HVAC97	18.3	15.3
HVAC98	18.5	15.5
HVAC99	16.6	13.6
HVAC100	19.3	16.3
HVAC101	-4.0	-7.0
HVAC102	-1.8	-4.8
HVAC103	-2.8	-5.8
HVAC104	13.4	10.4
HVAC105	13.9	10.9
HVAC106	-0.4	-3.4
HVAC107	5.7	2.7
HVAC108	18.8	15.8
HVAC109	18.9	15.9
HVAC110	17.9	14.9
HVAC111	14.1	11.1
HVAC112	14.0	11.0
HVAC113	-2.6	-5.6
HVAC114	-2.1	-5.1
HVAC115	-1.9	-4.9
HVAC116	-6.7	-9.7
HVAC117	-5.4	-8.4
HVAC118	-7.2	-10.2
HVAC119	-1.6	-4.6
HVAC120	-1.6	-4.6
HVAC121	0.7	-2.3
HVAC122	12.9	9.9
HVAC123	-0.6	-3.6
HVAC124	18.0	15.0
HVAC125	17.3	14.3
HVAC126	16.5	13.5
HVAC127	-3.8	-6.8
HVAC128	-4.1	-7.1
HVAC129	-3.2	-6.2
HVAC130	-3.3	-6.3
HVAC131	-4.6	-7.6
HVAC132	-7.8	-10.8
HVAC133	-8.3	-11.3
HVAC134	-7.7	-10.7

10550 Garrison Multi-Family  
SoundPLAN Data - HVAC

HVAC135						-7.4	-10.4
HVAC136						-7.0	-10.0
HVAC137						-6.3	-9.3
HVAC138						-6.0	-9.0
HVAC139						-3.8	-6.8
HVAC140						16.4	13.4
7	1.FI	32.5	29.5	0.0	0.0		
HVAC1						-2.7	-5.7
HVAC2						11.7	8.7
HVAC3						12.8	9.8
HVAC4						12.5	9.5
HVAC5						-10.5	-13.5
HVAC6						-11.1	-14.1
HVAC7						-10.9	-13.9
HVAC8						-10.8	-13.8
HVAC9						-10.6	-13.6
HVAC10						-10.5	-13.5
HVAC11						-10.3	-13.3
HVAC12						-10.5	-13.5
HVAC13						-10.4	-13.4
HVAC14						-10.3	-13.3
HVAC15						-10.2	-13.2
HVAC16						-9.8	-12.8
HVAC17						-7.0	-10.0
HVAC18						-6.8	-9.8
HVAC19						-6.7	-9.7
HVAC20						-3.7	-6.7
HVAC21						-8.9	-11.9
HVAC22						-4.2	-7.2
HVAC23						-6.1	-9.1
HVAC24						-9.3	-12.3
HVAC25						-6.4	-9.4
HVAC26						-9.6	-12.6
HVAC27						-8.9	-11.9
HVAC28						-5.9	-8.9
HVAC29						-5.8	-8.8
HVAC30						-5.6	-8.6
HVAC31						-5.5	-8.5
HVAC32						-2.7	-5.7
HVAC33						-7.5	-10.5
HVAC34						-3.5	-6.5
HVAC35						-3.4	-6.4
HVAC36						-8.2	-11.2
HVAC37						-5.2	-8.2
HVAC38						-8.6	-11.6
HVAC39						-7.9	-10.9
HVAC40						-4.8	-7.8
HVAC41						-4.7	-7.7
HVAC42						-4.3	-7.3
HVAC43						-2.3	-5.3
HVAC44						-2.1	-5.1
HVAC45						-6.2	-9.2
HVAC46						-2.6	-5.6
HVAC47						-2.5	-5.5
HVAC48						-7.0	-10.0
HVAC49						-7.2	-10.2
HVAC50						-7.6	-10.6
HVAC51						-6.7	-9.7
HVAC52						-1.2	-4.2
HVAC53						-0.4	-3.4
HVAC54						-0.8	-3.8
HVAC55						-1.5	-4.5
HVAC56						-5.3	-8.3
HVAC57						-5.7	-8.7
HVAC58						-5.9	-8.9
HVAC59						-6.4	-9.4
HVAC60						2.7	-0.3
HVAC61						-1.7	-4.7
HVAC62						-0.7	-3.7
HVAC63						-0.7	-3.7
HVAC64						-1.7	-4.7
HVAC65						-1.7	-4.7
HVAC66						-3.3	-6.3
HVAC67						-0.7	-3.7
HVAC68						-1.7	-4.7
HVAC69						-1.6	-4.6
HVAC70						-1.6	-4.6
HVAC71						-0.6	-3.6
HVAC72						0.6	-2.4
HVAC73						14.7	11.7
HVAC74						17.1	14.1

10550 Garrison Multi-Family  
SoundPLAN Data - HVAC

HVAC75	20.1	17.1
HVAC76	18.8	15.8
HVAC77	18.7	15.7
HVAC78	-0.8	-3.8
HVAC79	16.7	13.7
HVAC80	19.6	16.6
HVAC81	20.4	17.4
HVAC82	20.6	17.6
HVAC83	21.2	18.2
HVAC84	23.0	20.0
HVAC85	22.0	19.0
HVAC86	16.1	13.1
HVAC87	2.3	-0.7
HVAC88	0.8	-2.2
HVAC89	0.0	-3.0
HVAC90	-2.1	-5.1
HVAC91	-1.4	-4.4
HVAC92	-3.5	-6.5
HVAC93	-5.1	-8.1
HVAC94	-1.5	-4.5
HVAC95	-1.7	-4.7
HVAC96	-1.5	-4.5
HVAC97	-0.1	-3.1
HVAC98	-1.0	-4.0
HVAC99	19.6	16.6
HVAC100	20.0	17.0
HVAC101	-5.9	-8.9
HVAC102	-2.9	-5.9
HVAC103	-2.8	-5.8
HVAC104	-2.8	-5.8
HVAC105	-1.7	-4.7
HVAC106	-1.5	-4.5
HVAC107	13.5	10.5
HVAC108	18.2	15.2
HVAC109	17.3	14.3
HVAC110	-0.2	-3.2
HVAC111	-2.0	-5.0
HVAC112	-3.1	-6.1
HVAC113	-3.3	-6.3
HVAC114	-3.5	-6.5
HVAC115	-3.8	-6.8
HVAC116	-6.8	-9.8
HVAC117	-7.4	-10.4
HVAC118	-4.4	-7.4
HVAC119	-4.5	-7.5
HVAC120	-4.7	-7.7
HVAC121	-4.3	-7.3
HVAC122	-3.3	-6.3
HVAC123	11.4	8.4
HVAC124	16.0	13.0
HVAC125	15.3	12.3
HVAC126	-3.4	-6.4
HVAC127	-4.9	-7.9
HVAC128	-4.9	-7.9
HVAC129	-5.1	-8.1
HVAC130	-5.3	-8.3
HVAC131	-5.4	-8.4
HVAC132	-8.3	-11.3
HVAC133	-9.0	-12.0

10550 Garrison Multi-Family  
SoundPLAN Data - HVAC

HVAC134						-9.2	-12.2
HVAC135						-9.0	-12.0
HVAC136						-9.0	-12.0
HVAC137						-8.9	-11.9
HVAC138						-8.8	-11.8
HVAC139						-8.7	-11.7
HVAC140						14.3	11.3
8	1.FI	30.3	27.3	0.0	0.0		
HVAC1						-5.0	-8.0
HVAC2						-3.3	-6.3
HVAC3						8.9	5.9
HVAC4						10.9	7.9
HVAC5						-11.9	-14.9
HVAC6						-12.5	-15.5
HVAC7						-12.2	-15.2
HVAC8						-12.1	-15.1
HVAC9						-11.9	-14.9
HVAC10						-11.8	-14.8
HVAC11						-11.7	-14.7
HVAC12						-11.7	-14.7
HVAC13						-11.6	-14.6
HVAC14						-11.6	-14.6
HVAC15						-11.5	-14.5
HVAC16						-11.0	-14.0
HVAC17						-8.2	-11.2
HVAC18						-8.1	-11.1
HVAC19						-8.0	-11.0
HVAC20						-3.9	-6.9
HVAC21						-10.2	-13.2
HVAC22						-8.0	-11.0
HVAC23						-7.6	-10.6
HVAC24						-10.6	-13.6
HVAC25						-7.6	-10.6
HVAC26						-10.7	-13.7
HVAC27						-10.0	-13.0
HVAC28						-7.1	-10.1
HVAC29						-7.1	-10.1
HVAC30						-6.9	-9.9
HVAC31						-6.8	-9.8
HVAC32						-3.5	-6.5
HVAC33						-8.9	-11.9
HVAC34						-6.3	-9.3
HVAC35						-6.3	-9.3
HVAC36						-9.4	-12.4
HVAC37						-6.6	-9.6
HVAC38						-9.6	-12.6
HVAC39						-8.8	-11.8
HVAC40						-5.9	-8.9
HVAC41						-5.8	-8.8
HVAC42						-5.5	-8.5
HVAC43						-5.4	-8.4
HVAC44						-2.9	-5.9
HVAC45						-7.5	-10.5
HVAC46						-3.5	-6.5
HVAC47						-4.9	-7.9
HVAC48						-8.1	-11.1
HVAC49						-5.1	-8.1
HVAC50						-8.5	-11.5
HVAC51						-7.5	-10.5
HVAC52						-4.5	-7.5
HVAC53						-1.5	-4.5
HVAC54						1.1	-1.9
HVAC55						-1.8	-4.8
HVAC56						-6.2	-9.2
HVAC57						-6.5	-9.5
HVAC58						-0.7	-3.7
HVAC59						-7.0	-10.0
HVAC60						-0.6	-3.6
HVAC61						-1.3	-4.3
HVAC62						-1.2	-4.2
HVAC63						0.0	-3.0
HVAC64						-0.2	-3.2
HVAC65						0.0	-3.0
HVAC66						15.9	12.9
HVAC67						15.6	12.6
HVAC68						0.5	-2.5
HVAC69						-0.1	-3.1
HVAC70						-0.1	-3.1
HVAC71						-0.2	-3.2
HVAC72						-1.2	-4.2
HVAC73						12.8	9.8

10550 Garrison Multi-Family  
SoundPLAN Data - HVAC

HVAC74	16.1	13.1
HVAC75	18.7	15.7
HVAC76	18.8	15.8
HVAC77	18.7	15.7
HVAC78	-3.0	-6.0
HVAC79	14.4	11.4
HVAC80	17.2	14.2
HVAC81	17.6	14.6
HVAC82	17.9	14.9
HVAC83	18.9	15.9
HVAC84	19.4	16.4
HVAC85	19.0	16.0
HVAC86	13.4	10.4
HVAC87	-1.8	-4.8
HVAC88	-2.8	-5.8
HVAC89	-2.9	-5.9
HVAC90	-2.8	-5.8
HVAC91	-3.0	-6.0
HVAC92	-5.8	-8.8
HVAC93	-6.8	-9.8
HVAC94	-3.7	-6.7
HVAC95	-3.5	-6.5
HVAC96	-3.4	-6.4
HVAC97	-3.2	-6.2
HVAC98	-3.1	-6.1
HVAC99	-2.6	-5.6
HVAC100	17.4	14.4
HVAC101	-7.5	-10.5
HVAC102	-7.7	-10.7
HVAC103	-4.7	-7.7
HVAC104	-4.9	-7.9
HVAC105	-4.7	-7.7
HVAC106	-4.7	-7.7
HVAC107	-1.7	-4.7
HVAC108	15.9	12.9
HVAC109	15.2	12.2
HVAC110	-3.8	-6.8
HVAC111	-5.0	-8.0
HVAC112	-5.1	-8.1
HVAC113	-5.2	-8.2
HVAC114	-5.3	-8.3
HVAC115	-5.5	-8.5
HVAC116	-8.4	-11.4
HVAC117	-9.1	-12.1
HVAC118	-6.2	-9.2
HVAC119	-6.2	-9.2
HVAC120	-6.5	-9.5
HVAC121	-6.2	-9.2
HVAC122	-6.2	-9.2
HVAC123	-3.8	-6.8
HVAC124	14.1	11.1
HVAC125	13.5	10.5
HVAC126	-5.4	-8.4
HVAC127	-6.7	-9.7
HVAC128	-6.7	-9.7
HVAC129	-6.8	-9.8
HVAC130	-6.9	-9.9
HVAC131	-7.0	-10.0
HVAC132	-9.9	-12.9

10550 Garrison Multi-Family  
SoundPLAN Data - HVAC

HVAC133						-10.5	-13.5
HVAC134						-10.7	-13.7
HVAC135						-10.5	-13.5
HVAC136						-10.6	-13.6
HVAC137						-10.5	-13.5
HVAC138						-10.5	-13.5
HVAC139						-10.4	-13.4
HVAC140						12.5	9.5
9	1.FI	30.1	27.1	0.0	0.0		
HVAC1						-7.8	-10.8
HVAC2						-6.9	-9.9
HVAC3						-9.1	-12.1
HVAC4						-5.3	-8.3
HVAC5						-13.0	-16.0
HVAC6						-13.3	-16.3
HVAC7						-13.1	-16.1
HVAC8						-13.0	-16.0
HVAC9						-12.8	-15.8
HVAC10						-12.7	-15.7
HVAC11						-12.5	-15.5
HVAC12						-12.2	-15.2
HVAC13						-12.2	-15.2
HVAC14						-12.2	-15.2
HVAC15						-12.1	-15.1
HVAC16						-11.5	-14.5
HVAC17						-8.8	-11.8
HVAC18						-8.7	-11.7
HVAC19						-8.7	-11.7
HVAC20						-8.6	-11.6
HVAC21						-5.0	-8.0
HVAC22						-8.2	-11.2
HVAC23						-8.3	-11.3
HVAC24						-8.3	-11.3
HVAC25						-8.4	-11.4
HVAC26						-11.1	-14.1
HVAC27						-10.3	-13.3
HVAC28						-7.5	-10.5
HVAC29						-7.5	-10.5
HVAC30						-7.4	-10.4
HVAC31						-7.3	-10.3
HVAC32						-7.2	-10.2
HVAC33						-4.4	-7.4
HVAC34						-7.0	-10.0
HVAC35						-7.0	-10.0
HVAC36						-7.0	-10.0
HVAC37						-7.1	-10.1
HVAC38						-9.9	-12.9
HVAC39						-8.9	-11.9
HVAC40						-6.1	-9.1
HVAC41						-6.0	-9.0
HVAC42						-5.9	-8.9
HVAC43						-5.8	-8.8
HVAC44						-5.7	-8.7
HVAC45						-3.0	-6.0
HVAC46						-5.4	-8.4
HVAC47						-5.4	-8.4
HVAC48						-5.3	-8.3
HVAC49						-5.5	-8.5
HVAC50						-8.4	-11.4
HVAC51						-7.2	-10.2
HVAC52						-4.4	-7.4
HVAC53						-4.1	-7.1
HVAC54						-4.1	-7.1
HVAC55						-0.2	-3.2
HVAC56						-1.5	-4.5
HVAC57						-3.6	-6.6
HVAC58						-6.4	-9.4
HVAC59						-6.6	-9.6
HVAC60						-1.2	-4.2
HVAC61						-4.9	-7.9
HVAC62						-1.1	-4.1
HVAC63						-0.4	-3.4
HVAC64						1.2	-1.8
HVAC65						19.6	16.6
HVAC66						19.6	16.6
HVAC67						19.7	16.7
HVAC68						-2.1	-5.1
HVAC69						14.5	11.5
HVAC70						14.3	11.3
HVAC71						0.0	-3.0
HVAC72						-0.2	-3.2

10550 Garrison Multi-Family  
SoundPLAN Data - HVAC

HVAC73	-1.1	-4.1
HVAC74	20.4	17.4
HVAC75	20.3	17.3
HVAC76	20.2	17.2
HVAC77	20.0	17.0
HVAC78	-3.5	-6.5
HVAC79	0.9	-2.1
HVAC80	0.9	-2.1
HVAC81	5.1	2.1
HVAC82	19.2	16.2
HVAC83	16.1	13.1
HVAC84	16.4	13.4
HVAC85	12.3	9.3
HVAC86	-3.9	-6.9
HVAC87	-4.1	-7.1
HVAC88	-4.2	-7.2
HVAC89	-4.2	-7.2
HVAC90	-4.0	-7.0
HVAC91	-4.2	-7.2
HVAC92	-6.4	-9.4
HVAC93	-7.5	-10.5
HVAC94	-4.6	-7.6
HVAC95	-4.6	-7.6
HVAC96	-4.4	-7.4
HVAC97	-4.4	-7.4
HVAC98	-4.4	-7.4
HVAC99	-4.3	-7.3
HVAC100	11.2	8.2
HVAC101	-8.4	-11.4
HVAC102	-5.9	-8.9
HVAC103	-5.6	-8.6
HVAC104	-6.1	-9.1
HVAC105	-6.1	-9.1
HVAC106	-6.1	-9.1
HVAC107	-6.0	-9.0
HVAC108	10.1	7.1
HVAC109	9.1	6.1
HVAC110	-6.2	-9.2
HVAC111	-6.2	-9.2
HVAC112	-6.3	-9.3
HVAC113	-6.3	-9.3
HVAC114	-6.4	-9.4
HVAC115	-6.4	-9.4
HVAC116	-9.2	-12.2
HVAC117	-9.9	-12.9
HVAC118	-7.4	-10.4
HVAC119	-7.1	-10.1
HVAC120	-7.7	-10.7
HVAC121	-7.6	-10.6
HVAC122	-7.6	-10.6
HVAC123	-7.6	-10.6
HVAC124	10.3	7.3
HVAC125	9.9	6.9
HVAC126	-7.8	-10.8
HVAC127	-7.8	-10.8
HVAC128	-7.8	-10.8
HVAC129	-7.9	-10.9
HVAC130	-7.9	-10.9
HVAC131	-7.9	-10.9

10550 Garrison Multi-Family  
 SoundPLAN Data - HVAC

HVAC132						-10.7	-13.7
HVAC133						-11.4	-14.4
HVAC134						-11.6	-14.6
HVAC135						-11.5	-14.5
HVAC136						-11.6	-14.6
HVAC137						-11.5	-14.5
HVAC138						-11.5	-14.5
HVAC139						-11.5	-14.5
HVAC140						7.0	4.0
10	1.FI	25.9	22.9	0.0	0.0		
HVAC1						-8.3	-11.3
HVAC2						-9.8	-12.8
HVAC3						-9.4	-12.4
HVAC4						-8.5	-11.5
HVAC5						-13.9	-16.9
HVAC6						-14.2	-17.2
HVAC7						-14.0	-17.0
HVAC8						-13.9	-16.9
HVAC9						-13.7	-16.7
HVAC10						-13.6	-16.6
HVAC11						-13.4	-16.4
HVAC12						-13.1	-16.1
HVAC13						-13.1	-16.1
HVAC14						-13.1	-16.1
HVAC15						-13.1	-16.1
HVAC16						-12.4	-15.4
HVAC17						-9.7	-12.7
HVAC18						-9.7	-12.7
HVAC19						-9.7	-12.7
HVAC20						-9.6	-12.6
HVAC21						-9.3	-12.3
HVAC22						-8.9	-11.9
HVAC23						-12.0	-15.0
HVAC24						-9.0	-12.0
HVAC25						-9.2	-12.2
HVAC26						-12.0	-15.0
HVAC27						-11.2	-14.2
HVAC28						-8.5	-11.5
HVAC29						-8.5	-11.5
HVAC30						-8.4	-11.4
HVAC31						-8.4	-11.4
HVAC32						-8.4	-11.4
HVAC33						-7.9	-10.9
HVAC34						-7.7	-10.7
HVAC35						-10.8	-13.8
HVAC36						-7.8	-10.8
HVAC37						-7.8	-10.8
HVAC38						-10.8	-13.8
HVAC39						-9.9	-12.9
HVAC40						-7.2	-10.2
HVAC41						-7.2	-10.2
HVAC42						-7.1	-10.1
HVAC43						-7.0	-10.0
HVAC44						-7.0	-10.0
HVAC45						-6.5	-9.5
HVAC46						-6.3	-9.3
HVAC47						-9.3	-12.3
HVAC48						-6.4	-9.4
HVAC49						-6.5	-9.5
HVAC50						-9.4	-12.4
HVAC51						-8.4	-11.4
HVAC52						-5.6	-8.6
HVAC53						-5.5	-8.5
HVAC54						-5.4	-8.4
HVAC55						-0.5	-3.5
HVAC56						-1.6	-4.6
HVAC57						-7.7	-10.7
HVAC58						-7.7	-10.7
HVAC59						-7.8	-10.8
HVAC60						-0.1	-3.1
HVAC61						-2.7	-5.7
HVAC62						2.7	-0.3
HVAC63						14.5	11.5
HVAC64						14.5	11.5
HVAC65						14.3	11.3
HVAC66						13.4	10.4
HVAC67						13.5	10.5
HVAC68						-4.7	-7.7
HVAC69						-5.1	-8.1
HVAC70						-5.2	-8.2
HVAC71						9.2	6.2

10550 Garrison Multi-Family  
SoundPLAN Data - HVAC

HVAC72	9.4	6.4
HVAC73	-3.7	-6.7
HVAC74	15.7	12.7
HVAC75	15.6	12.6
HVAC76	15.2	12.2
HVAC77	16.1	13.1
HVAC78	0.4	-2.6
HVAC79	0.3	-2.7
HVAC80	10.2	7.2
HVAC81	9.9	6.9
HVAC82	-0.1	-3.1
HVAC83	14.5	11.5
HVAC84	12.8	9.8
HVAC85	-2.9	-5.9
HVAC86	-4.2	-7.2
HVAC87	-4.2	-7.2
HVAC88	-4.2	-7.2
HVAC89	-5.8	-8.8
HVAC90	-5.0	-8.0
HVAC91	-5.5	-8.5
HVAC92	-8.0	-11.0
HVAC93	-9.0	-12.0
HVAC94	-6.1	-9.1
HVAC95	-6.1	-9.1
HVAC96	-6.1	-9.1
HVAC97	-4.5	-7.5
HVAC98	-4.5	-7.5
HVAC99	-4.6	-7.6
HVAC100	-7.7	-10.7
HVAC101	-9.7	-12.7
HVAC102	-7.1	-10.1
HVAC103	-6.5	-9.5
HVAC104	-7.4	-10.4
HVAC105	-7.3	-10.3
HVAC106	-7.3	-10.3
HVAC107	-7.3	-10.3
HVAC108	-5.9	-8.9
HVAC109	-6.2	-9.2
HVAC110	-7.7	-10.7
HVAC111	-7.7	-10.7
HVAC112	-7.7	-10.7
HVAC113	-7.7	-10.7
HVAC114	-7.7	-10.7
HVAC115	-7.7	-10.7
HVAC116	-7.0	-10.0
HVAC117	-10.5	-13.5
HVAC118	-8.4	-11.4
HVAC119	-7.9	-10.9
HVAC120	-8.7	-11.7
HVAC121	-8.6	-11.6
HVAC122	-8.6	-11.6
HVAC123	-8.6	-11.6
HVAC124	-6.3	-9.3
HVAC125	-7.4	-10.4
HVAC126	-9.0	-12.0
HVAC127	-9.0	-12.0
HVAC128	-9.0	-12.0
HVAC129	-9.0	-12.0
HVAC130	-9.1	-12.1

10550 Garrison Multi-Family  
SoundPLAN Data - HVAC

HVAC131						-9.1	-12.1
HVAC132						-11.9	-14.9
HVAC133						-11.3	-14.3
HVAC134						-12.6	-15.6
HVAC135						-12.6	-15.6
HVAC136						-12.6	-15.6
HVAC137						-12.6	-15.6
HVAC138						-12.6	-15.6
HVAC139						-12.6	-15.6
HVAC140						-7.3	-10.3
11	1.FI	31.3	28.3	0.0	0.0		
HVAC1						-2.7	-5.7
HVAC2						-12.0	-15.0
HVAC3						-11.6	-14.6
HVAC4						-12.1	-15.1
HVAC5						-7.8	-10.8
HVAC6						-7.9	-10.9
HVAC7						-6.2	-9.2
HVAC8						-7.3	-10.3
HVAC9						-7.1	-10.1
HVAC10						-7.0	-10.0
HVAC11						4.1	1.1
HVAC12						-1.3	-4.3
HVAC13						-6.4	-9.4
HVAC14						-6.5	-9.5
HVAC15						-6.6	-9.6
HVAC16						-1.8	-4.8
HVAC17						-2.6	-5.6
HVAC18						-2.8	-5.8
HVAC19						-2.8	-5.8
HVAC20						-2.8	-5.8
HVAC21						-1.8	-4.8
HVAC22						-1.4	-4.4
HVAC23						-5.2	-8.2
HVAC24						-1.3	-4.3
HVAC25						-1.7	-4.7
HVAC26						10.2	7.2
HVAC27						11.2	8.2
HVAC28						-0.9	-3.9
HVAC29						-1.1	-4.1
HVAC30						-1.3	-4.3
HVAC31						-1.4	-4.4
HVAC32						-1.4	-4.4
HVAC33						-0.2	-3.2
HVAC34						-3.7	-6.7
HVAC35						-3.7	-6.7
HVAC36						0.1	-2.9
HVAC37						-3.5	-6.5
HVAC38						11.7	8.7
HVAC39						12.9	9.9
HVAC40						0.9	-2.1
HVAC41						0.7	-2.3
HVAC42						0.4	-2.6
HVAC43						0.3	-2.7
HVAC44						0.3	-2.7
HVAC45						1.5	-1.5
HVAC46						-0.7	-3.7
HVAC47						-1.9	-4.9
HVAC48						-1.7	-4.7
HVAC49						-1.7	-4.7
HVAC50						13.6	10.6
HVAC51						18.6	15.6
HVAC52						4.9	1.9
HVAC53						2.7	-0.3
HVAC54						2.7	-0.3
HVAC55						3.9	0.9
HVAC56						4.0	1.0
HVAC57						0.4	-2.6
HVAC58						4.0	1.0
HVAC59						19.3	16.3
HVAC60						7.7	4.7
HVAC61						15.3	12.3
HVAC62						8.5	5.5
HVAC63						18.2	15.2
HVAC64						18.5	15.5
HVAC65						9.1	6.1
HVAC66						23.6	20.6
HVAC67						21.0	18.0
HVAC68						22.4	19.4
HVAC69						14.7	11.7
HVAC70						12.4	9.4

10550 Garrison Multi-Family  
SoundPLAN Data - HVAC

HVAC71	7.4	4.4
HVAC72	7.0	4.0
HVAC73	1.3	-1.7
HVAC74	20.9	17.9
HVAC75	3.3	0.3
HVAC76	1.7	-1.3
HVAC77	1.1	-1.9
HVAC78	9.4	6.4
HVAC79	6.6	3.6
HVAC80	6.4	3.4
HVAC81	7.6	4.6
HVAC82	8.6	5.6
HVAC83	8.8	5.8
HVAC84	-1.1	-4.1
HVAC85	-2.2	-5.2
HVAC86	1.1	-1.9
HVAC87	1.2	-1.8
HVAC88	1.3	-1.7
HVAC89	2.3	-0.7
HVAC90	-1.8	-4.8
HVAC91	9.4	6.4
HVAC92	10.7	7.7
HVAC93	10.0	7.0
HVAC94	2.0	-1.0
HVAC95	0.9	-2.1
HVAC96	0.5	-2.5
HVAC97	0.1	-2.9
HVAC98	0.0	-3.0
HVAC99	-0.2	-3.2
HVAC100	-7.3	-10.3
HVAC101	8.0	5.0
HVAC102	7.6	4.6
HVAC103	-2.0	-5.0
HVAC104	0.7	-2.3
HVAC105	-0.3	-3.3
HVAC106	-0.3	-3.3
HVAC107	-0.4	-3.4
HVAC108	-3.9	-6.9
HVAC109	-8.3	-11.3
HVAC110	-1.5	-4.5
HVAC111	-1.3	-4.3
HVAC112	-1.3	-4.3
HVAC113	-1.3	-4.3
HVAC114	-0.5	-3.5
HVAC115	-1.0	-4.0
HVAC116	7.9	4.9
HVAC117	8.9	5.9
HVAC118	-1.6	-4.6
HVAC119	-0.4	-3.4
HVAC120	-0.6	-3.6
HVAC121	-1.8	-4.8
HVAC122	-1.8	-4.8
HVAC123	-1.9	-4.9
HVAC124	-5.1	-8.1
HVAC125	-10.4	-13.4
HVAC126	-3.0	-6.0
HVAC127	-2.9	-5.9
HVAC128	-2.9	-5.9
HVAC129	-2.7	-5.7

10550 Garrison Multi-Family  
SoundPLAN Data - HVAC

HVAC130						-2.0	-5.0
HVAC131						-2.6	-5.6
HVAC132						8.8	5.8
HVAC133						8.3	5.3
HVAC134						-6.3	-9.3
HVAC135						-6.4	-9.4
HVAC136						-6.4	-9.4
HVAC137						-6.5	-9.5
HVAC138						-6.5	-9.5
HVAC139						-6.6	-9.6
HVAC140						-6.2	-9.2
12	1.FI	33.5	30.5	0.0	0.0		
HVAC1						-1.1	-4.1
HVAC2						-10.6	-13.6
HVAC3						-10.7	-13.7
HVAC4						-6.3	-9.3
HVAC5						-6.5	-9.5
HVAC6						-6.5	-9.5
HVAC7						-5.0	-8.0
HVAC8						-6.1	-9.1
HVAC9						2.9	-0.1
HVAC10						2.6	-0.4
HVAC11						1.2	-1.8
HVAC12						4.8	1.8
HVAC13						-4.6	-7.6
HVAC14						-4.7	-7.7
HVAC15						-4.9	-7.9
HVAC16						2.1	-0.9
HVAC17						-0.5	-3.5
HVAC18						-0.8	-3.8
HVAC19						-0.9	-3.9
HVAC20						-1.0	-4.0
HVAC21						0.3	-2.7
HVAC22						-3.2	-6.2
HVAC23						-3.2	-6.2
HVAC24						0.7	-2.3
HVAC25						0.7	-2.3
HVAC26						12.8	9.8
HVAC27						16.6	13.6
HVAC28						1.6	-1.4
HVAC29						1.3	-1.7
HVAC30						1.1	-1.9
HVAC31						0.9	-2.1
HVAC32						10.7	7.7
HVAC33						2.1	-0.9
HVAC34						-1.4	-4.4
HVAC35						-1.4	-4.4
HVAC36						-1.1	-4.1
HVAC37						-1.1	-4.1
HVAC38						17.3	14.3
HVAC39						18.8	15.8
HVAC40						4.1	1.1
HVAC41						3.6	0.6
HVAC42						3.4	0.4
HVAC43						3.1	0.1
HVAC44						2.8	-0.2
HVAC45						4.3	1.3
HVAC46						0.8	-2.2
HVAC47						0.9	-2.1
HVAC48						1.2	-1.8
HVAC49						1.3	-1.7
HVAC50						19.8	16.8
HVAC51						22.2	19.2
HVAC52						11.2	8.2
HVAC53						6.5	3.5
HVAC54						6.6	3.6
HVAC55						11.7	8.7
HVAC56						7.6	4.6
HVAC57						7.9	4.9
HVAC58						7.9	4.9
HVAC59						22.6	19.6
HVAC60						8.8	5.8
HVAC61						19.1	16.1
HVAC62						8.9	5.9
HVAC63						9.4	6.4
HVAC64						9.4	6.4
HVAC65						21.2	18.2
HVAC66						27.0	24.0
HVAC67						25.5	22.5
HVAC68						12.4	9.4
HVAC69						9.0	6.0

10550 Garrison Multi-Family  
 SoundPLAN Data - HVAC

HVAC70	8.5	5.5
HVAC71	7.4	4.4
HVAC72	17.8	14.8
HVAC73	4.2	1.2
HVAC74	14.6	11.6
HVAC75	2.9	-0.1
HVAC76	2.3	-0.7
HVAC77	2.1	-0.9
HVAC78	14.7	11.7
HVAC79	12.2	9.2
HVAC80	7.3	4.3
HVAC81	10.8	7.8
HVAC82	10.9	7.9
HVAC83	10.9	7.9
HVAC84	0.6	-2.4
HVAC85	-0.6	-3.6
HVAC86	3.7	0.7
HVAC87	4.5	1.5
HVAC88	4.6	1.6
HVAC89	2.3	-0.7
HVAC90	4.9	1.9
HVAC91	0.7	-2.3
HVAC92	14.5	11.5
HVAC93	9.8	6.8
HVAC94	12.7	9.7
HVAC95	3.7	0.7
HVAC96	4.0	1.0
HVAC97	2.8	-0.2
HVAC98	2.6	-0.4
HVAC99	2.2	-0.8
HVAC100	-5.9	-8.9
HVAC101	10.4	7.4
HVAC102	7.6	4.6
HVAC103	2.6	-0.4
HVAC104	2.8	-0.2
HVAC105	2.2	-0.8
HVAC106	1.7	-1.3
HVAC107	1.6	-1.4
HVAC108	-2.0	-5.0
HVAC109	-6.5	-9.5
HVAC110	0.1	-2.9
HVAC111	0.3	-2.7
HVAC112	0.4	-2.6
HVAC113	1.0	-2.0
HVAC114	1.2	-1.8
HVAC115	0.9	-2.1
HVAC116	9.5	6.5
HVAC117	9.0	6.0
HVAC118	6.9	3.9
HVAC119	-3.2	-6.2
HVAC120	1.0	-2.0
HVAC121	0.1	-2.9
HVAC122	0.0	-3.0
HVAC123	-0.1	-3.1
HVAC124	-3.3	-6.3
HVAC125	-8.1	-11.1
HVAC126	-1.4	-4.4
HVAC127	-1.2	-4.2
HVAC128	-1.2	-4.2

10550 Garrison Multi-Family  
 SoundPLAN Data - HVAC

HVAC129						-0.9	-3.9
HVAC130						-0.6	-3.6
HVAC131						-0.7	-3.7
HVAC132						8.0	5.0
HVAC133						6.0	3.0
HVAC134						-4.6	-7.6
HVAC135						-4.7	-7.7
HVAC136						-4.8	-7.8
HVAC137						-4.9	-7.9
HVAC138						-5.0	-8.0
HVAC139						-5.1	-8.1
HVAC140						-5.0	-8.0
13	1.FI	34.9	31.9	0.0	0.0		
HVAC1						-4.3	-7.3
HVAC2						-4.5	-7.5
HVAC3						-4.6	-7.6
HVAC4						-4.9	-7.9
HVAC5						-4.1	-7.1
HVAC6						-4.7	-7.7
HVAC7						8.3	5.3
HVAC8						10.7	7.7
HVAC9						6.6	3.6
HVAC10						6.6	3.6
HVAC11						7.7	4.7
HVAC12						16.5	13.5
HVAC13						-2.1	-5.1
HVAC14						-2.3	-5.3
HVAC15						-2.5	-5.5
HVAC16						11.3	8.3
HVAC17						3.2	0.2
HVAC18						2.7	-0.3
HVAC19						2.7	-0.3
HVAC20						2.3	-0.7
HVAC21						4.3	1.3
HVAC22						-0.7	-3.7
HVAC23						-0.7	-3.7
HVAC24						4.5	1.5
HVAC25						4.4	1.4
HVAC26						18.6	15.6
HVAC27						20.1	17.1
HVAC28						7.6	4.6
HVAC29						7.4	4.4
HVAC30						5.0	2.0
HVAC31						13.2	10.2
HVAC32						13.1	10.1
HVAC33						7.7	4.7
HVAC34						1.1	-1.9
HVAC35						7.7	4.7
HVAC36						1.9	-1.1
HVAC37						7.6	4.6
HVAC38						20.9	17.9
HVAC39						22.6	19.6
HVAC40						15.7	12.7
HVAC41						14.0	11.0
HVAC42						14.5	11.5
HVAC43						15.1	12.1
HVAC44						13.8	10.8
HVAC45						2.7	-0.3
HVAC46						3.2	0.2
HVAC47						3.5	0.5
HVAC48						4.5	1.5
HVAC49						18.9	15.9
HVAC50						23.6	20.6
HVAC51						24.5	21.5
HVAC52						21.6	18.6
HVAC53						16.1	13.1
HVAC54						20.7	17.7
HVAC55						20.1	17.1
HVAC56						16.1	13.1
HVAC57						10.6	7.6
HVAC58						11.8	8.8
HVAC59						24.7	21.7
HVAC60						7.4	4.4
HVAC61						20.5	17.5
HVAC62						6.8	3.8
HVAC63						6.5	3.5
HVAC64						6.4	3.4
HVAC65						6.4	3.4
HVAC66						7.9	4.9
HVAC67						4.3	1.3
HVAC68						4.7	1.7

10550 Garrison Multi-Family  
SoundPLAN Data - HVAC

HVAC69	4.8	1.8
HVAC70	4.9	1.9
HVAC71	5.3	2.3
HVAC72	7.2	4.2
HVAC73	18.6	15.6
HVAC74	0.2	-2.8
HVAC75	0.3	-2.7
HVAC76	0.8	-2.2
HVAC77	3.6	0.6
HVAC78	12.1	9.1
HVAC79	11.9	8.9
HVAC80	17.4	14.4
HVAC81	13.3	10.3
HVAC82	13.1	10.1
HVAC83	12.6	9.6
HVAC84	0.2	-2.8
HVAC85	0.1	-2.9
HVAC86	1.5	-1.5
HVAC87	1.7	-1.3
HVAC88	1.9	-1.1
HVAC89	2.7	-0.3
HVAC90	3.6	0.6
HVAC91	2.7	-0.3
HVAC92	18.3	15.3
HVAC93	12.8	9.8
HVAC94	14.7	11.7
HVAC95	17.8	14.8
HVAC96	14.0	11.0
HVAC97	17.3	14.3
HVAC98	15.0	12.0
HVAC99	12.1	9.1
HVAC100	0.4	-2.6
HVAC101	17.6	14.6
HVAC102	0.1	-2.9
HVAC103	0.5	-2.5
HVAC104	2.0	-1.0
HVAC105	1.0	-2.0
HVAC106	6.9	3.9
HVAC107	7.2	4.2
HVAC108	-0.4	-3.4
HVAC109	-1.6	-4.6
HVAC110	4.8	1.8
HVAC111	6.9	3.9
HVAC112	6.8	3.8
HVAC113	5.0	2.0
HVAC114	11.9	8.9
HVAC115	9.6	6.6
HVAC116	13.7	10.7
HVAC117	9.6	6.6
HVAC118	-1.1	-4.1
HVAC119	-1.5	-4.5
HVAC120	-1.5	-4.5
HVAC121	3.8	0.8
HVAC122	4.3	1.3
HVAC123	3.4	0.4
HVAC124	-2.2	-5.2
HVAC125	-2.5	-5.5
HVAC126	1.4	-1.6
HVAC127	1.6	-1.4

10550 Garrison Multi-Family  
 SoundPLAN Data - HVAC

HVAC128						2.3	-0.7
HVAC129						2.2	-0.8
HVAC130						3.7	0.7
HVAC131						8.7	5.7
HVAC132						9.8	6.8
HVAC133						9.2	6.2
HVAC134						-2.8	-5.8
HVAC135						-3.0	-6.0
HVAC136						-3.2	-6.2
HVAC137						-2.8	-5.8
HVAC138						-2.9	-5.9
HVAC139						-3.2	-6.2
HVAC140						-3.5	-6.5
14	1.FI	35.7	32.7	0.0	0.0		
HVAC1						0.0	-3.0
HVAC2						-1.1	-4.1
HVAC3						-1.6	-4.6
HVAC4						-3.2	-6.2
HVAC5						-3.7	-6.7
HVAC6						0.2	-2.8
HVAC7						14.7	11.7
HVAC8						14.7	11.7
HVAC9						13.4	10.4
HVAC10						11.9	8.9
HVAC11						8.9	5.9
HVAC12						19.1	16.1
HVAC13						0.3	-2.7
HVAC14						0.0	-3.0
HVAC15						-0.4	-3.4
HVAC16						20.7	17.7
HVAC17						10.3	7.3
HVAC18						14.6	11.6
HVAC19						15.0	12.0
HVAC20						13.0	10.0
HVAC21						1.0	-2.0
HVAC22						1.3	-1.7
HVAC23						10.8	7.8
HVAC24						2.4	-0.6
HVAC25						2.9	-0.1
HVAC26						21.7	18.7
HVAC27						22.8	19.8
HVAC28						20.5	17.5
HVAC29						20.4	17.4
HVAC30						17.5	14.5
HVAC31						17.5	14.5
HVAC32						17.2	14.2
HVAC33						3.2	0.2
HVAC34						3.8	0.8
HVAC35						4.3	1.3
HVAC36						5.6	2.6
HVAC37						6.7	3.7
HVAC38						23.2	20.2
HVAC39						23.3	20.3
HVAC40						13.5	10.5
HVAC41						12.7	9.7
HVAC42						13.0	10.0
HVAC43						10.1	7.1
HVAC44						12.2	9.2
HVAC45						18.8	15.8
HVAC46						14.5	11.5
HVAC47						15.0	12.0
HVAC48						15.3	12.3
HVAC49						15.7	12.7
HVAC50						23.2	20.2
HVAC51						22.0	19.0
HVAC52						5.0	2.0
HVAC53						3.2	0.2
HVAC54						2.8	-0.2
HVAC55						2.2	-0.8
HVAC56						13.9	10.9
HVAC57						20.2	17.2
HVAC58						19.6	16.6
HVAC59						21.4	18.4
HVAC60						13.3	10.3
HVAC61						17.4	14.4
HVAC62						4.8	1.8
HVAC63						4.2	1.2
HVAC64						4.0	1.0
HVAC65						4.0	1.0
HVAC66						1.6	-1.4
HVAC67						-0.4	-3.4

10550 Garrison Multi-Family  
SoundPLAN Data - HVAC

HVAC68	2.1	-0.9
HVAC69	2.4	-0.6
HVAC70	2.6	-0.4
HVAC71	3.9	0.9
HVAC72	2.7	-0.3
HVAC73	13.9	10.9
HVAC74	-2.2	-5.2
HVAC75	-1.6	-4.6
HVAC76	-1.7	-4.7
HVAC77	-0.7	-3.7
HVAC78	16.0	13.0
HVAC79	13.3	10.3
HVAC80	13.3	10.3
HVAC81	2.1	-0.9
HVAC82	1.6	-1.4
HVAC83	0.7	-2.3
HVAC84	-0.7	-3.7
HVAC85	-0.5	-3.5
HVAC86	17.2	14.2
HVAC87	17.0	14.0
HVAC88	17.1	14.1
HVAC89	14.5	11.5
HVAC90	17.8	14.8
HVAC91	14.8	11.8
HVAC92	14.0	11.0
HVAC93	12.2	9.2
HVAC94	15.9	12.9
HVAC95	15.5	12.5
HVAC96	4.5	1.5
HVAC97	3.7	0.7
HVAC98	3.6	0.6
HVAC99	3.3	0.3
HVAC100	-0.6	-3.6
HVAC101	10.2	7.2
HVAC102	8.4	5.4
HVAC103	5.6	2.6
HVAC104	11.5	8.5
HVAC105	10.3	7.3
HVAC106	9.7	6.7
HVAC107	8.8	5.8
HVAC108	-0.9	-3.9
HVAC109	-0.6	-3.6
HVAC110	15.6	12.6
HVAC111	16.0	13.0
HVAC112	16.1	13.1
HVAC113	16.6	13.6
HVAC114	11.6	8.6
HVAC115	12.2	9.2
HVAC116	9.8	6.8
HVAC117	16.1	13.1
HVAC118	0.6	-2.4
HVAC119	0.0	-3.0
HVAC120	1.1	-1.9
HVAC121	-0.2	-3.2
HVAC122	-0.3	-3.3
HVAC123	10.2	7.2
HVAC124	-0.9	-3.9
HVAC125	-2.0	-5.0
HVAC126	7.8	4.8

10550 Garrison Multi-Family  
SoundPLAN Data - HVAC

HVAC127						8.4	5.4
HVAC128						8.3	5.3
HVAC129						12.7	9.7
HVAC130						17.3	14.3
HVAC131						12.8	9.8
HVAC132						8.6	5.6
HVAC133						15.4	12.4
HVAC134						-1.3	-4.3
HVAC135						-1.1	-4.1
HVAC136						0.2	-2.8
HVAC137						-0.7	-3.7
HVAC138						-0.9	-3.9
HVAC139						-1.4	-4.4
HVAC140						-2.7	-5.7
15	1.FI	36.1	33.1	0.0	0.0		
HVAC1						3.1	0.1
HVAC2						-0.4	-3.4
HVAC3						-0.9	-3.9
HVAC4						-2.1	-5.1
HVAC5						-2.4	-5.4
HVAC6						2.5	-0.5
HVAC7						17.5	14.5
HVAC8						17.1	14.1
HVAC9						17.0	14.0
HVAC10						16.1	13.1
HVAC11						13.6	10.6
HVAC12						20.3	17.3
HVAC13						3.0	0.0
HVAC14						2.6	-0.4
HVAC15						2.0	-1.0
HVAC16						23.2	20.2
HVAC17						21.1	18.1
HVAC18						18.2	15.2
HVAC19						17.8	14.8
HVAC20						17.0	14.0
HVAC21						12.9	9.9
HVAC22						4.6	1.6
HVAC23						5.2	2.2
HVAC24						6.5	3.5
HVAC25						8.2	5.2
HVAC26						24.3	21.3
HVAC27						24.6	21.6
HVAC28						12.7	9.7
HVAC29						10.5	7.5
HVAC30						10.1	7.1
HVAC31						8.2	5.2
HVAC32						9.6	6.6
HVAC33						21.1	18.1
HVAC34						21.4	18.4
HVAC35						20.4	17.4
HVAC36						21.0	18.0
HVAC37						16.7	13.7
HVAC38						24.4	21.4
HVAC39						23.1	20.1
HVAC40						4.6	1.6
HVAC41						4.0	1.0
HVAC42						3.0	0.0
HVAC43						2.7	-0.3
HVAC44						2.2	-0.8
HVAC45						10.5	7.5
HVAC46						11.9	8.9
HVAC47						14.6	11.6
HVAC48						15.5	12.5
HVAC49						19.7	16.7
HVAC50						22.2	19.2
HVAC51						20.4	17.4
HVAC52						2.1	-0.9
HVAC53						1.1	-1.9
HVAC54						0.9	-2.1
HVAC55						7.0	4.0
HVAC56						13.0	10.0
HVAC57						7.9	4.9
HVAC58						8.3	5.3
HVAC59						19.6	16.6
HVAC60						-1.2	-4.2
HVAC61						13.0	10.0
HVAC62						8.9	5.9
HVAC63						3.0	0.0
HVAC64						2.9	-0.1
HVAC65						2.8	-0.2
HVAC66						-0.7	-3.7

10550 Garrison Multi-Family  
SoundPLAN Data - HVAC

HVAC67	-2.2	-5.2
HVAC68	0.6	-2.4
HVAC69	1.0	-2.0
HVAC70	1.1	-1.9
HVAC71	1.5	-1.5
HVAC72	7.3	4.3
HVAC73	8.2	5.2
HVAC74	-3.2	-6.2
HVAC75	-2.4	-5.4
HVAC76	-2.7	-5.7
HVAC77	-2.2	-5.2
HVAC78	12.9	9.9
HVAC79	-1.4	-4.4
HVAC80	-1.5	-4.5
HVAC81	9.9	6.9
HVAC82	10.3	7.3
HVAC83	10.7	7.7
HVAC84	-2.4	-5.4
HVAC85	-1.9	-4.9
HVAC86	6.3	3.3
HVAC87	8.3	5.3
HVAC88	8.0	5.0
HVAC89	6.0	3.0
HVAC90	14.8	11.8
HVAC91	9.6	6.6
HVAC92	11.7	8.7
HVAC93	15.9	12.9
HVAC94	-0.2	-3.2
HVAC95	0.1	-2.9
HVAC96	2.2	-0.8
HVAC97	1.0	-2.0
HVAC98	0.7	-2.3
HVAC99	7.2	4.2
HVAC100	-0.8	-3.8
HVAC101	19.1	16.1
HVAC102	2.2	-0.8
HVAC103	15.1	12.1
HVAC104	12.9	9.9
HVAC105	16.4	13.4
HVAC106	16.6	13.6
HVAC107	15.0	12.0
HVAC108	-0.5	-3.5
HVAC109	-0.3	-3.3
HVAC110	0.3	-2.7
HVAC111	0.5	-2.5
HVAC112	0.6	-2.4
HVAC113	1.4	-1.6
HVAC114	15.8	12.8
HVAC115	15.5	12.5
HVAC116	14.6	11.6
HVAC117	10.2	7.2
HVAC118	10.1	7.1
HVAC119	6.1	3.1
HVAC120	12.4	9.4
HVAC121	11.6	8.6
HVAC122	11.7	8.7
HVAC123	10.1	7.1
HVAC124	-0.6	-3.6
HVAC125	-0.2	-3.2

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HVAC126						16.0	13.0
HVAC127						16.4	13.4
HVAC128						16.6	13.6
HVAC129						17.0	14.0
HVAC130						10.1	7.1
HVAC131						10.1	7.1
HVAC132						9.4	6.4
HVAC133						11.3	8.3
HVAC134						1.1	-1.9
HVAC135						0.4	-2.6
HVAC136						1.2	-1.8
HVAC137						0.2	-2.8
HVAC138						0.1	-2.9
HVAC139						-0.3	-3.3
HVAC140						-0.6	-3.6
16	1.FI	36.1	33.1	0.0	0.0		
HVAC1						3.2	0.2
HVAC2						1.0	-2.0
HVAC3						0.7	-2.3
HVAC4						0.0	-3.0
HVAC5						0.0	-3.0
HVAC6						8.8	5.8
HVAC7						20.8	17.8
HVAC8						21.1	18.1
HVAC9						21.4	18.4
HVAC10						21.6	18.6
HVAC11						21.9	18.9
HVAC12						24.2	21.2
HVAC13						16.7	13.7
HVAC14						16.6	13.6
HVAC15						21.3	18.3
HVAC16						24.5	21.5
HVAC17						7.2	4.2
HVAC18						5.4	2.4
HVAC19						5.0	2.0
HVAC20						4.3	1.3
HVAC21						14.0	11.0
HVAC22						15.9	12.9
HVAC23						14.8	11.8
HVAC24						24.3	21.3
HVAC25						22.1	19.1
HVAC26						25.0	22.0
HVAC27						23.4	20.4
HVAC28						9.0	6.0
HVAC29						3.3	0.3
HVAC30						9.1	6.1
HVAC31						2.4	-0.6
HVAC32						9.2	6.2
HVAC33						14.6	11.6
HVAC34						14.5	11.5
HVAC35						8.4	5.4
HVAC36						10.1	7.1
HVAC37						10.0	7.0
HVAC38						22.5	19.5
HVAC39						20.4	17.4
HVAC40						1.1	-1.9
HVAC41						0.9	-2.1
HVAC42						0.4	-2.6
HVAC43						0.3	-2.7
HVAC44						5.2	2.2
HVAC45						12.8	9.8
HVAC46						4.4	1.4
HVAC47						4.9	1.9
HVAC48						5.3	2.3
HVAC49						6.2	3.2
HVAC50						19.5	16.5
HVAC51						17.8	14.8
HVAC52						3.2	0.2
HVAC53						-1.5	-4.5
HVAC54						3.3	0.3
HVAC55						2.8	-0.2
HVAC56						2.4	-0.6
HVAC57						3.0	0.0
HVAC58						3.1	0.1
HVAC59						17.1	14.1
HVAC60						10.1	7.1
HVAC61						10.8	7.8
HVAC62						9.9	6.9
HVAC63						-3.7	-6.7
HVAC64						1.8	-1.2
HVAC65						2.2	-0.8

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HVAC66	-3.3	-6.3
HVAC67	-4.3	-7.3
HVAC68	-0.1	-3.1
HVAC69	0.1	-2.9
HVAC70	0.5	-2.5
HVAC71	3.6	0.6
HVAC72	3.3	0.3
HVAC73	10.9	7.9
HVAC74	-4.8	-7.8
HVAC75	-4.3	-7.3
HVAC76	-4.5	-7.5
HVAC77	-4.3	-7.3
HVAC78	12.5	9.5
HVAC79	9.6	6.6
HVAC80	9.5	6.5
HVAC81	9.5	6.5
HVAC82	-3.6	-6.6
HVAC83	-3.3	-6.3
HVAC84	-3.8	-6.8
HVAC85	-2.9	-5.9
HVAC86	1.6	-1.4
HVAC87	1.9	-1.1
HVAC88	2.0	-1.0
HVAC89	2.8	-0.2
HVAC90	3.3	0.3
HVAC91	12.9	9.9
HVAC92	9.6	6.6
HVAC93	9.8	6.8
HVAC94	-1.7	-4.7
HVAC95	3.5	0.5
HVAC96	0.9	-2.1
HVAC97	3.0	0.0
HVAC98	3.1	0.1
HVAC99	2.2	-0.8
HVAC100	-2.2	-5.2
HVAC101	12.8	9.8
HVAC102	14.0	11.0
HVAC103	6.5	3.5
HVAC104	4.9	1.9
HVAC105	5.0	2.0
HVAC106	4.1	1.1
HVAC107	4.2	1.2
HVAC108	-1.5	-4.5
HVAC109	-1.2	-4.2
HVAC110	4.7	1.7
HVAC111	5.1	2.1
HVAC112	5.0	2.0
HVAC113	-0.4	-3.4
HVAC114	-0.3	-3.3
HVAC115	0.2	-2.8
HVAC116	11.3	8.3
HVAC117	13.1	10.1
HVAC118	12.6	9.6
HVAC119	18.8	15.8
HVAC120	11.9	8.9
HVAC121	10.6	7.6
HVAC122	10.4	7.4
HVAC123	8.7	5.7
HVAC124	-0.6	-3.6
HVAC125	0.5	-2.5
HVAC126	9.8	6.8
HVAC127	2.6	-0.4
HVAC128	3.0	0.0
HVAC129	4.1	1.1
HVAC130	2.0	-1.0
HVAC131	3.9	0.9
HVAC132	17.1	14.1
HVAC133	20.5	17.5
HVAC134	4.1	1.1
HVAC135	15.1	12.1
HVAC136	16.4	13.4
HVAC137	18.6	15.6
HVAC138	19.1	16.1
HVAC139	18.0	15.0
HVAC140	1.0	-2.0