

County of Santa Clara
Child & Adolescent Psychiatric Facility/Behavioral Health Services Center (BHSC)
Response to Comments
State Clearinghouse # 2021030163

1. INTRODUCTION

It is the intent of the California Environmental Quality Act (CEQA) to solicit information from agencies and the public about a project's environmental effects and, in doing so, to avoid or reduce impacts of the project. This memorandum addresses the public review process for the Initial Study and Mitigated Negative Declaration (IS/MND) for the Child & Adolescent Psychiatric Facility/Behavioral Health Services Center (BHSC) Project by providing written responses to public comments received on the IS/MND, presenting new information on the project, and text revisions to the public draft IS/MND text to reflect comments received on the document.

Section 15074 (b) of the CEQA Guidelines states:

“Prior to approving a project, the decision-making body of the lead agency shall consider the proposed mitigated negative declaration together with any comments received during the public review process. The decision-making body shall adopt the proposed mitigated negative declaration only if it finds on the basis of the whole record before it (including the initial study and any comments received), that there is no substantial evidence that the project will have a significant effect on the environment and that the mitigated negative declaration reflects the lead agency’s independent judgment and analysis.”

This memorandum provides written responses to public comments received on the IS/MND and is part of the record of proceedings upon which the County will base its decision when considering adoption of the MND and approval of the Project.

Document Organization

The Response to Comments memorandum is organized as follows:

- 1. Introduction.** The Introduction describes the purpose and organization of this memorandum, and the public review process the County has conducted for this Project.
- 2. Additional Information.** This section describes and summarizes additional information related to the environmental analysis of the Project and the effect this information has on the discussions contained in the public review IS/MND.
- 3. Public Comment on IS/MND.** This section contains copies of the comment letters received on the IS/MND during the public review period. The comment letters have been individually numbered.
- 4. Response to Comments.** This section provides the written responses to the comments received on the IS/MND.
- 5. Text Revisions.** This section includes revisions to the IS/MND text needed to correct inaccuracies identified in the public comments.
- 6. Attachments:** Attachment 1 contains a Supplemental Noise Study. Attachment 2 contains the Notice of Completion and Notice of Intent. Attachment 3 contains the comment letters.

2. ADDITIONAL INFORMATION:

Mitigation Measure NOI-1: Noise from Double Shift Construction Work presents mitigation measures to reduce potential noise levels associated with double-shift construction activities at the proposed Project site and staging areas as follows:

- Measure NOI-1.1 requires the County to prepare a Supplemental Noise Study to establish a performance standard and design specifications for the sound barriers required by measure NOI-1.2 to mitigate the noise from double-shift construction activities. The Supplemental Noise Study is required to measure the actual ambient noise environment (including the evening and nighttime noise environment) at sensitive receptor locations near Project construction and staging areas and determine if the ambient noise levels at these receptor locations already exceed the County's nighttime noise standards specified in County Ordinance Code Section B-11-154(b)(6)(b). If yes, the study shall set forth the required performance standard and design specifications for temporary sound barriers to ensure Project construction noise levels do not exceed the measured ambient noise levels. If no, the study shall set forth the design specifications for temporary sound barriers to ensure Project construction noise levels do not exceed the standards identified in County Ordinance Code Section B-11-154(b)(6)(b). The performance standard for this latter condition is identified in the Draft IS as a 16 decibel reduction in construction noise levels.
- Measure NOI-1.2 requires the County to construction/install temporary barriers around the perimeter of the Behavioral Health Center site and Moorpark Avenue staging area (if used) that achieve the final construction noise reduction performance standard established by measure NOI-1.1.
- Measure NOI-1.3 requires the implementation of specific construction equipment care, siting, and design measure that control and limit construction noise levels, such as the use of electrical hookup instead of generators, prohibiting the use of radios between 10 PM and 7 AM in a manner that creates a noise disturbance, limiting idling to no more than five minutes, etc.
- Measure NOI-1.4 limits construction truck traffic to hours of 7 AM to 10 PM.

The County has conducted the Supplemental Noise Study required by measure NOI-1.1 and the results of the study are incorporated into this Response to Comments document as Attachment 1. In summary, the Supplemental Noise Study has documented that the existing noise environment at specific sensitive receptor locations is consistently higher than the County's mobile construction equipment noise standards contained in Section B-11-154(b)(6)(b). Since ambient noise levels already exceed the County's standards, it is not possible to construct a barrier that reduces noise levels at sensitive receptor locations. It is possible, however, to control construction noise levels from the Project such that the total change in noise levels at sensitive receptor locations attributable to Project construction would be no more than 3 dBA, which is generally not a perceptible change in the ambient noise environment. The supplemental noise study identifies the location and design parameters for approximately 975 feet of 6-foot-high barrier, approximately 375 feet of 8-foot-high barrier, and approximately 320 feet of 12-foot-high barrier that would reduce construction noise levels by 5 to 10 dBA and ensure construction noise levels would not result in a more than 3 dBA increase in the existing ambient noise environment at sensitive receptor locations.

CEQA Guidelines Section 15088.5, provides direction on when a CEQA document must be recirculated because of significant new information available after circulation of the document for public review. Significant new information is defined as 1) a new significant environmental impact, 2) a substantial increase in the severity of an environmental impact requiring new mitigation, or 3) a feasible project alternative or mitigation measure considerably different from those previously analyzed that would clearly reduce environmental impacts. Recirculation is not required where the new information added to the CEQA document merely clarifies or amplifies or makes insignificant modifications in an adequate CEQA document. The addition of the Supplemental Noise Study to the CEQA record does not trigger the need to recirculate the IS/MND because it merely clarifies the final construction noise performance threshold and temporary barrier design options capable of meeting this performance standard as outlined in Mitigation Measure NOI-1.1 and NOI-1.2.

3. PUBLIC COMMENT ON IS/MND

The County of Santa Clara prepared an IS/MND for the Child & Adolescent Psychiatric Facility/Behavioral Health Services Center (BHSC) Project and circulated it for a 30-day public review from March 5, 2021 to April 5, 2021. In accordance with Governor's Executive Orders N-54-20 and N-80-20, the Draft IS/MND was posted on the County's website (<https://www.sccgov.org/sites/faf/capital-projects/BHSC/Pages/home.aspx>), filed with the State Clearinghouse CEQANet web portal (SCH #2021030163), posted in Mercury News, mailed to all Responsible Agencies, mailed to all properties within 1,000 of the Project, and emailed to members of the public, organizations and entities who had requested notices about the Project.

The County received one agency comment from Valley Water during the public comment period. This letter provides six comments that are primarily editorial and do not affect the IS/MND's CEQA impact analysis or conclusions pursuant to Appendix G of the CEQA Guidelines. The Valley Water comments have been incorporated into the Project's IS/MND as text revisions.

One comment letter was received from a resident, but the comment focused on the Project's proposed number of beds and capacity and did not make a comment on the environmental content or findings of the IS/MND. Both the Valley Water and resident comment letters are included as Attachment 3.

Comment Letters Received

Letter A: Email from Santa Clara Valley Water District, dated April 5, 2021

Letter B: Email from Paul Boehm, resident, dated March 19, 2021

4. RESPONSE TO COMMENTS

Written responses to the two comment letters presented in Attachment 3 are provided below. Each numbered comment is summarized, and a response is provided.

Letter A: Email from Valley Water (formerly Santa Clara Valley Water District)

Comment A1: *Work in Ginger Lane that crosses Valley Water's Central Pipeline and/or is within Valley Water's easement for the pipeline will require a Valley Water permit as per Valley Water's Water Resources Protection Ordinance.*

Response to Comment A1: Text on page 9 of the IS/MND has been updated to include this information provided by Valley Water, see Section 5, Text Revisions, below.

Comment A2: *References to “Santa Clara Valley Flood Control and Water Conservation District” should be changed to Valley Water. Santa Clara Valley Flood Control and Water Conservation District is the old name of the agency.*

Response to Comment A2: Text on pages 9 and 149 of the IS/MND has been updated via text revisions to replace the reference to the “Santa Clara Valley Flood Control and Water Conservation District” with “Valley Water.”

Comment A3: *Page 53 incorrectly notes “Chinese Pistachio;” it should be “Chinese Pistache”, not “pistachio.”*

Response to Comment A3: Text on page 53 of the IS/MND in Table 9 – Existing Trees within the BHSC and Parking Structure Sites has been revised to correctly note the Chinese Pistache tree species.

Comment A4: *Page 94 notes incorrectly that the site is located within the Santa Clara Basin and the Coyote Subbasin. The site is located only within the Santa Clara Subbasin. Please revise the document for accuracy.*

Response to Comment A4: Text on page 94 of the IS/MND has been revised to correctly note the Project site is within the Santa Clara Subbasin, not the Coyote Valley Subbasin.

Comment A5: *Page 96 incorrectly notes that following Valley Water’s 2015 UWMP will prevent storm water quality violations. The UWMP is a water supply document and is not related to protecting storm water quality. Water quality standards should comply with County construction policies and regulations, Storm Water Pollution Prevention Plan (SWPPP), and NPDES. Please revise the document for accuracy.*

Response to Comment A5: Text on page 96 of the IS/MND has been revised to remove reference to Valley Water’s 2015 UWMP as a prevention of storm water quality violations and to reference the requirements of the Santa Clara Countywide Water Pollution Prevention Program.

Comment A6: *On page 150 the statement regarding the UWMP is missing a digit in the reference to the 2040 demand. The statement should read “The UWMP also projects ... a demand of 435,100, by 2040.”*

Response to Comment A5: Text on page 150 of the IS/MND has been revised to correct the water supply projection number.

Letter B: Email from Paul Boehm, San Jose Resident

Comment B1: This email supports the proposed project use and states that the community is in need of mental health services and additional beds for patients. However, the resident voices concern that the increased number of beds for the project is inadequate and the number of adult beds should be increased.

Response to Comment B1: The County thanks the commentor for his comments. Because the comment does not raise significant environmental issues, no response is required (CEQA Guidelines Section 15088).

5. TEXT REVISIONS

CEQA anticipates that the public review process will elicit information that can result in modification of the Project design and/or refined impact analysis to reduce potential environmental effects of the Project. The following text revisions have been made to the IS/MND text to make minor corrections or fix grammatical or typographic errors and to reflect the comments received on the IS/MND.

These revisions do not constitute considerably different changes in the Project description, environmental setting, conclusions of the environmental analysis, or in the mitigation measures incorporated into the Project or otherwise provide significant new information that would require recirculation of the IS/MND pursuant to CEQA Guidelines Section 15088.5.

Revisions to the IS/MND text are set forth below. Additions to the IS/MND text are shown with underlining, and text removed from the IS/MND is shown with ~~striketrough~~.

Page 9, 4th paragraph, under “Proposed Domestic and Fire Water” subheading:

The parking structure site will be connected to water mains on Ginger Lane, northeast of the site. The existing 4-inch water connection on site will be removed. A 30-foot easement for water pipelines and incidentals would be in place to Valley Water ~~the Santa Clara Valley Flood Control and Water Conservation District~~ for its water pipelines and incidental maintenance. Construction in Ginger Lane that crosses Valley Water’s Central Pipeline and/or easement for the pipeline will require a Valley Water permit per their Water Resources Protection Ordinance.

Page 53, Table 9 – Existing Trees Within the BHSC and Parking Structure Sites:

The following text has been amended within the “Species” column of “Table 9. Existing Trees Within the BHSC and Parking Structure Sites”

Chinese ~~Pistachio~~ Pistache

End of Page 92/Beginning of Page 93, Mitigation Measure HAZ-1:

Effectiveness: *This measure would reduce impacts ~~on paleontological resources~~ from the release of hazardous materials into the environment to less than significant.*

Implementation: *The County and/or its contractor(s) shall implement this measure ~~in the event any paleontological resources are discovered~~ prior to any demolition activities.*

~~**Timing:** During all earth disturbing phases of project construction Prior to and during project demolition and construction.~~

~~**Monitoring:** If paleontological resources are uncovered, a report shall be prepared by qualified paleontologist describing the find and its deposition Demolition debris testing results and the Demolition Debris Management Plan shall be submitted to the County prior to demolition activities.~~

Page 94, 1st paragraph:

~~The project is within the Santa Clara Valley Groundwater Basin and Coyote Valley Santa Clara Subbasin which are managed by Santa Clara Valley Water (URS 2020).~~

Page 96, 2nd paragraph:

~~Project construction would involve excavation and grading to accommodate new project facilities. Development of the BHSC site requires approximately 27,200 cubic yards of earth material to be cut and 4,650 cubic yards to be filled. Development of parking structure site would require approximately 6,200 cubic yards of earth material to be cut and 2,100 cubic yards to be filled. After grading activities are complete there would be the potential for wind and water erosion to discharge contaminants, sediment, and/or other urban pollutants into stormwater runoff. However, violations of water quality standards from urban runoff can be prevented through compliance with the implementation of existing regional water quality regulations and plans, including compliance with Santa Clara Valley Water's (Valley Water) 2015 Urban Water Management Plan (UWMP) for surface and ground water management, and the County's wastewater treatment standards (Section B11, Chapter IV, of the County's Ordinance Code) Santa Clara Countywide Water Pollution Prevention Program. The proposed project replaces over 10,000 sf of impervious surface and is therefore required to comply with Provision C.3 of the County's NPDES Permit as further described below. As the project is currently designed, runoff from impervious surface would be directed into a series of six bioretention areas located throughout the two project sites.~~

Page 149, 3rd paragraph:

~~The parking structure site will be connected to water mains on Ginger Lane, northeast of the site. The existing 4-inch water connection on site will be removed. A 30-foot easement for water pipelines and incidentals would be in place to Valley Water the ~~Santa Clara Valley Flood Control and Water Conservation District~~ for its water pipeline and incidental maintenance. No water utility upgrades are proposed for the existing Don Lowe Pavilion site.~~

Page 150, last paragraph:

~~The UWMP also projects Valley Water to maintain an average water supply of 390,200 AF, with a demand on 371,200 AF, in 2020 and supply of 441,900 AF, with a demand of 435,100, by 2040. Therefore, the UWMP and Valley Water anticipate a water surplus of 19,000 AF in 2020 and 6,800 AF in 2040.~~

Attachment 1
Supplemental Noise Study

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Memo

To: Emily Chen, Kamal Sodhi, and Doug Koenig, County of Santa Clara
CC: Craig Blackhurst and Craig McInroy, HGA; Randy Eissner and Samantha Aguinaldo, XL Construction
From: Chris Dugan
Date: April 16, 2021
SUBJECT: Supplemental Noise Study for the Child and Adolescent Psychiatric Facility/Behavioral Health Services Center Project

MIG, Inc. (MIG) has prepared this memorandum to satisfy the requirements of Mitigation Measures NOI-1.1 and NOI-1.2 from the County of Santa Clara's (County) March 2021 Child and Adolescent Psychiatric Facility/Behavioral Health Services Center Project (proposed Project) Initial Study (Santa Clara County, 2021). This memo provides background information on the March 2021 Initial Study and Mitigation Measures NOI-1.1 and NOI-1.2 contained therein, provides updated ambient noise monitoring information and results, identifies the construction noise reduction performance standards to be met by the proposed Project, and recommends temporary sound barrier options that will achieve the construction noise reduction performance standard identified in this study.

BACKGROUND

The County owns and operates the Santa Clara Valley Medical Center (SCVMC) in San Jose, California. The County is proposing the construction and operation of a new mental health inpatient/outpatient building called the Child & Adolescent Psychiatric Facility/Behavioral Health Services Center (BHSC) within the SCVMC campus. The new BHSC will replace and consolidate existing mental health services on the SCVMC campus that are currently located in three separate buildings into one facility. The newly expanded services will serve the behavioral health needs for Santa Clara County and surrounding communities. Refer to the County's March 2021 Initial Study for a detailed description of the proposed Project.

The March 2021 Initial Study includes an evaluation of the proposed Project's potential noise impacts at eight (8) sensitive receptor locations (R-1 to R-8) near the BHSC site and SCVMC Campus (County of Santa Clara, 2021, pgs. 102 to 135). The proposed Project's construction work areas and modeled sensitive receptor locations were shown in Figure 13 of the Initial Study and are reproduced as Figure 1 below. The Initial Study concluded that the proposed Project's potential construction noise levels during double-shift work at the BHSC site and associated construction staging areas could exceed the County's mobile source construction noise limits identified in County Ordinance Code Section B11-154(b)(6)(b). The County's construction mobile equipment noise standards were shown in Table 14 of the Initial Study and are reproduced as Table 1 below. The County's Code limits construction work hours to 7 AM to 7 PM, Monday to Saturday unless a variance is provided by the County Director of Environmental Health. The proposed Project's double-shift work would involve construction activities between 6 AM to 10 PM and thus require a variance to proceed.

Figure 1: Project Work Areas and Noise Sensitive Receptor Locations

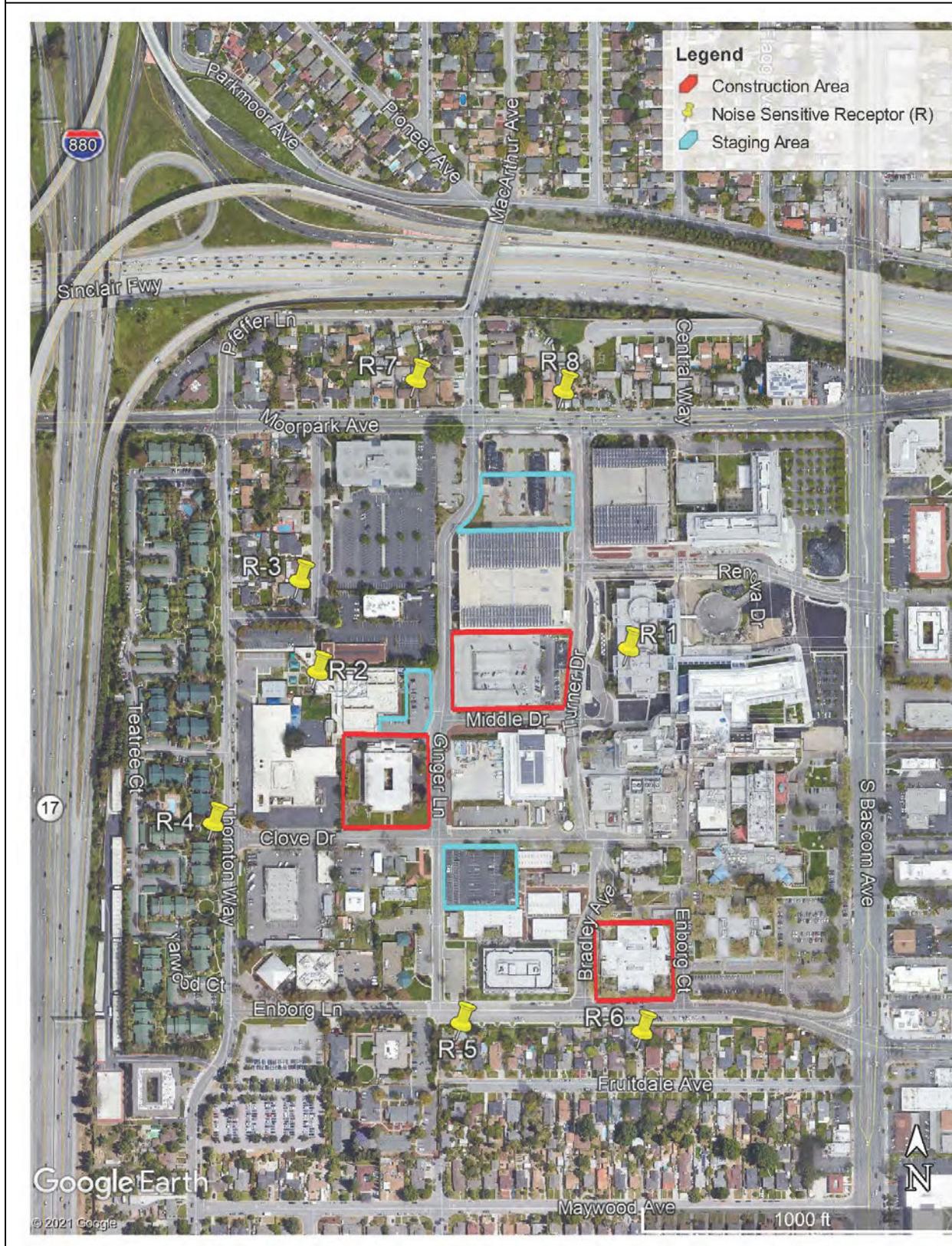


Table 1: Santa Clara County Mobile Construction Equipment Noise Standards			
Time Period^(A)	Construction Noise Limit (dBA L_{max}) by Land Use Type		
	Single/Two-Family Residential	Multi-family Residential	Commercial
7 AM to 7 PM (Monday-Saturday)	75	80	85
7 PM to 7 AM (Daily) ^(B)	50	55	60

Source: County of Santa Clara Ordinance Code, Section B11-154(b)(6)(b).
 (A) Nighttime noise limits are applicable on a daily basis, including Sundays and legal holidays.

The Initial Study identified potential construction noise levels during double shift work as a potentially significant impact and incorporated Mitigation Measure NOI-1 to ensure construction noise levels during double-shift work at the BHSC site and construction staging areas were consistent with Code requirements and did not otherwise result in a substantial temporary increase in noise levels at sensitive receptor locations.¹ A summary of Mitigation Measures NOI-1.1 to NOI-1.4 is also provided below. Refer to Attachment 1 for the complete version of Mitigation Measures NOI-1.1 to NOI-1.4 from the County's March 2021 Initial Study.

- Measure NOI-1.1 requires the County to prepare a Supplemental Noise Study to establish a performance standard and design specifications for the sound barriers required by measure NOI-1.2 to mitigate the noise from double-shift construction activities. The Supplemental Noise Study is required to measure the actual ambient noise environment (including the evening and nighttime noise environment) at sensitive receptor locations near Project construction and staging areas and determine if the ambient noise levels at these receptor locations already exceed the County's nighttime noise standards specified in County Ordinance Code Section B11-154(b)(6)(b). If yes, the study shall set forth the required performance standard and design specifications for temporary sound barriers to ensure Project construction noise levels do not exceed the measured ambient noise levels. If no, the study shall set forth the design specifications for temporary sound barriers to ensure Project construction noise levels do not exceed the standards identified in County Ordinance Code Section B11-154(b)(6)(b). The maximum performance standard for this latter condition is identified in the March 2021 Initial Study as an approximately 16 decibel reduction in construction noise levels (see Table 1).
- Measure NOI-1.2 requires the County to construct/install temporary barriers around the perimeter of the Behavioral Health Services Center site and Moorpark Avenue staging area (if used) that achieve the final construction noise reduction performance standard established by measure NOI-1.1.
- Measure NOI-1.3 requires the County to implement specific construction equipment care, siting, and design measure that control and limit construction noise levels, such as the use of electrical hookup instead of generators, prohibiting the use of radios between

¹ County Ordinance Code Section B11-154(b)(6)(b) establishes maximum, construction noise level standards at receiving land uses based for daytime (7 AM to 7 PM) and nighttime (7 PM to 7 AM) periods. Construction activities at the Behavioral Health Services Center site and associated staging areas would need to occur from 6 AM to 10 PM during some construction phases to meet one of the Project's objectives, which is to have the Behavioral Health Services Center open and operational by late 2023. If construction were to occur only during the daytime hours (7 AM to 7 PM, Monday through Saturday), no mitigation would be required. Therefore, this Supplemental Noise Study was prepared only to address potential double-shift construction noise levels.

10 PM and 7 AM in a manner that creates a noise disturbance, limiting idling to no more than five minutes, etc.

- Measure NOI-1.4 requires the County to limit construction truck traffic to the hours of 7 AM to 10 PM.

Table 1 summarizes the construction noise analysis findings from the March 2021 Initial Study. Refer to the March 2021 Initial Study for detailed construction noise analysis findings.

Table 1: Summary of March 2021 Initial Study Construction Noise Evaluation				
Receptor	County Noise Standard (dBA L_{max})^(A)	Worst-Case Construction Noise Level (dBA L_{max})^(B)	Sound Barrier Required?	Sound Barrier Performance Standard (Decibel Reduction)
R-1: Main Hospital	--	73.2	Yes	45 dBA (Interior)
R-2: Kidango Preschool/Daycare	60	60.3	No	NA
R-3: Empey Way Single-family Residential	50	65.9	Yes	Up to 15.9 dB
R-4: Sierra Crest Condominiums Multi-family Residential	55	59.2	Yes	Up to 4.2 dB
R-5: Fruitdale Avenue West Single-family Residential	50	49.5	No	NA
R-6: Fruitdale Avenue East Single-family Residential	50	NA	No	NA
R-7: Moorpark Avenue Single-family Residential	50	65.7	Yes	Up to 15.7 dB
R-8: Moorpark Avenue Multi-family Residential	55	67.7	Yes	Up to 12.7 dB

(A) The County's nighttime standards for mobile construction equipment are contained in Section B11-154(b)(6)(b). See Table 15 from the March 2021 Initial Study. These standards apply only if they are technically and economically feasible to achieve.

(B) Estimated construction noise levels are from the March 2021 Initial Study, Tables 18 to 25. The listed values represent the worst-case construction noise level during double-shift work at the listed receptor location. By controlling noise based on the worst-case scenario, construction noise levels during all other construction phases would be lower than presented in this Supplemental Noise Study. Receptors 2 and 6 would not be impacted by double shift work due to operating and other considerations described in the Initial Study.

UPDATED AMBIENT NOISE MONITORING

As required by Mitigation Measure NOI-1.1, MIG, Inc. conducted ambient noise level monitoring at specific noise sensitive receptor locations where the proposed Project's construction noise levels were estimated to exceed County noise standards (see Figure 1). The ambient noise levels were digitally measured and stored using three (3) Larson Davis SoundTrack LxT sound level meters that meet American National Standards Institute requirements for a Type 1 integrating sound level meter. Each sound meter was calibrated immediately before and after the monitoring period using a reference one-kilohertz (1kHz) check frequency and 114 dB sound pressure level and found to be operating within normal parameters for sensitivity. Measurements were continuously collected over the sample periods in 1-minute intervals. This

interval was selected to capture short-term noise events and increases in noise levels above typical background conditions. Weather conditions during the monitoring were generally overcast during the mornings and clear and mostly sunny during the afternoons. Temperatures ranged from the mid 40's (overnight) to the high 50's (in the later afternoon). Winds ranged from calm conditions during the mornings and nighttime to approximately 10-miles per hour during the afternoon and evening periods.

The ambient noise monitoring conducted included two (2) long-term (LT) and one (1) short-term (ST) measurements at locations selected to:

- Provide direct observations and measurements of existing noise sources at and in the vicinity of the sensitive receptor locations; and
- Determine typical ambient noise levels at sensitive receptor locations during nighttime periods of 6 AM to 7 AM and 7 PM to 10 PM.²

The ambient noise monitoring locations are described below and shown in Figure 2.³

- Location LT-3 was along the east side of Empey Way, across from the single-family residence at 673 Empey Way. Ambient noise levels at this location were measured from 7:00 PM on Friday, March 19, 2021, to 7:00 AM on Tuesday, March 23, 2021.⁴
- Location LT-4 was on the south side of Moorpark Avenue, near the intersection of Moorpark Avenue and Ginger Lane, across from the single-family residence at 2407 Moorpark Drive. Ambient noise levels at this location were measured from 7:00 PM on Friday, March 19, 2021, to 7:00 AM on Tuesday, March 23, 2021.
- Location ST-4 was on the east side of Thornton Way, across from the greenspace and main entrance to the Sierra Crest Condominiums. Ambient noise levels at this location were measured from 7:00 PM to 10:00 PM on Saturday, March 20, 2021.

Based on observations made during the ambient noise monitoring, the existing noise environment along Empey Way, Moorpark Avenue, and Thornton Way is dominated by background traffic noise levels from State Route (SR) 17 / Interstate 880 (I-880) and Interstate 280 (I-280). Local roadway traffic and local Santa Clara Valley Medical Center operations contribute slightly to daytime and evening noise levels, and are the primary sources that cause deviation from background noise levels (e.g., a car, or series of cars, passing by a receptor location will temporarily increase noise levels in proximity of the location).

Table 2 and Table 3 summarize the results of the ambient noise monitoring conducted for this Supplemental Noise Study. Refer to Attachment 2 for detailed ambient noise monitoring results.

² Per County Code of Ordinances Section B11-154(b)(6)(b), noise standards are defined for a 7 AM to 7 PM daytime period and a 7 PM to 7 AM nighttime period.

³ The additional LT and ST measurements conducted as part of this Supplemental Noise Study are identified as LT-3, LT-4, and ST-4. This ordering is intentional as it provides continuity between the ordering and identification of the original ambient noise measurements collected as part of the Initial Study's preparation (i.e., LT-1 and LT-2, as well as ST-1 through ST-3, were all utilized and presented in the Initial Study).

⁴ A battery failure at LT-3 at approximately 11:22 PM on Sunday, March 21st disrupted noise monitoring. LT-3 was returned to service at 7:00 PM on Monday, March 22nd.

Figure 2: Project Ambient Noise Monitoring Locations



Table 2: Ambient Noise Levels Measured on Empey Way and Moorpark Avenue (L_{max})				
Site / Time Period	Hourly Noise Level Range (dBA L_{max}) ^(A)			
	Friday 03/19/21	Saturday 03/20/21	Sunday 03/21/21	Monday 03/22/21
LT-3: Adjacent to 673 Empey Way				
7 PM to 10 PM (Evening)	64 - 89	58 - 73	63 - 71	73 - 84
10 PM to 7 AM (Nighttime)	60 - 68	59 - 64	56 - 60	57 - 79
6 AM to 7 AM ^(B)	63	64	--	79
LT-4: Adjacent to 2407 Moorpark Drive				
7 PM to 10 PM (Evening)	82 - 86	82 - 94	81 - 91	78 - 90
10 PM to 7 AM (Nighttime) ^(B)	72 - 88	74 - 96	72 - 86	72 - 98
6 AM to 7 AM	75	82	84	98
ST-4: Adjacent to Sierra Crest Condominiums				
7 PM to 10 PM (Evening)	--	69 - 78	--	--
Source: MIG (see Attachment 2)				
(A) Values represent the lowest and highest L_{max} noise level measured during the listed time period.				
(B) The nighttime period starts on one day and ends on the next. Values (including 6 AM to 7 AM) are presented based on the day the nighttime measurement period started.				

Table 3: Ambient Noise Levels Measured on Empey Way and Moorpark Avenue (L_{eq})				
Site / Time Period	Hourly Noise Level Range (dBA L_{eq}) ^(A)			
	Friday 03/19/21	Saturday 03/20/21	Sunday 03/21/21	Monday 03/22/21
LT-3: Adjacent to 673 Empey Way				
7 PM to 10 PM (Evening)	55 - 62 (59)	53 - 58 (56)	49 - 59 (56)	56 - 58 (57)
10 PM to 7 AM (Nighttime)	52 - 57 (55)	51 - 58 (53)	46 - 47 (47)	49 - 61 (55)
6 AM to 7 AM ^(B)	57	58	--	61
LT-4: Adjacent to 2407 Moorpark Drive				
7 PM to 10 PM (Evening)	65 - 66 (66)	64 - 68 (67)	65 - 66 (65)	64 - 66 (65)
10 PM to 7 AM (Nighttime) ^(B)	56 - 64 (61)	56 - 67 (62)	55 - 64 (60)	54 - 69 (62)
6 AM to 7 AM	63	63	64	69
ST-4: Adjacent to Sierra Crest Condominiums				
7 PM to 10 PM (Evening)	--	56 - 59 (58)	--	--
Source: MIG (see Attachment 2)				
(A) Values represent the lowest and highest energy-averaged hourly noise level for the listed time period. The value in parentheses is the overall energy-averaged noise level for the listed time period. There is only a single energy-averaged value presented for the 6 AM to 7 AM time period.				
(B) The nighttime period starts on one day and ends on the next. Values (including 6 AM to 7 AM) are presented based on the day the nighttime measurement period started.				

As shown in Table 2 and Table 3, the results of the monitoring indicate noise levels along Empey Way, Moorpark Avenue, and Thornton Way are relatively steady, usually varying by approximately five (5) decibels or less within daytime, evening, and nighttime periods. This is due to relatively consistent flow of traffic on SR 17/I-880 and I-280 and the proximity of these high-volume roadways to the SCVMC Campus.

The ambient noise levels measured for this Supplemental Noise Study were consistently higher than the County’s mobile construction equipment nighttime noise standards for single-family (50 dBA L_{max}) and multi-family (55 dBA L_{max}) residential land uses. The comparison of measured ambient noise levels to the County’s nighttime noise standards for mobile construction equipment is shown in Table 4.

Site	County Noise Standard ^(A)	Measured Range in Noise Levels (dBA) ^(B)		Average Time Period Noise Levels (dBA L_{eq}) ^(C)	
		Hourly L_{max}	Hourly L_{eq}	7 to 10 PM	6 to 7 AM
LT-3 (Empey Way)	50 dBA L_{max}	58 – 89	49 – 62 ^(D)	56 – 59	57 – 61
LT-4 (Moorpark Ave)	50 dBA L_{max}	72 – 98	63 – 69	65 – 67	63 – 69
	55 dBA L_{max}	72 – 98	63 – 69	65 – 67	63 – 69
ST-4 (Thornton Way)	55 dBA L_{max}	69 – 78	56 – 59	58	--

(A) Standards are based on single-family (50 dBA L_{max}) and multi-family (55 dBA L_{max}) residential receiving land uses (see Table 1).
 (B) Values presented represent the lowest and highest measured (L_{max}) or calculated (L_{eq}) values for the 6 AM to 7 AM and 7 PM to 10 PM time periods over all four days of ambient noise monitoring (see Table 2 and Table 3).
 (C) Values reflect the overall average for the listed time period, i.e., the energy averaged equivalent noise level over the three-hour period starting at 7 PM and ending at 10 PM.
 (D) The 49 dBA low value was recorded on Sunday, 03/21/21. Construction activities would not occur on a Sunday. Therefore, this low value is not representative of the ambient noise levels that may occur when double shift work occurs.

UPDATED CONSTRUCTION NOISE REDUCTION PERFORMANCE STANDARD

Since existing ambient noise levels on Empey Way, Moorpark Avenue, and Thornton Way are higher than County’s nighttime standards for mobile construction equipment noise, it is generally not possible to construct a barrier capable of achieving the County’s noise standards. For example, on Moorpark Avenue, measured L_{max} values ranged from 22 to 48 dBA above single-family residential noise standards, and from 17 to 43 dBA L_{max} above multi-family residential noise standards. Similarly, on Empey Way, measured L_{max} values ranged from 8 to 39 dBA above single-family residential noise standards. Furthermore, energy-averaged hourly noise levels (L_{eq}) also exceeded the County’s L_{max} standards for single- and multi-family residential land uses by between 3 to 19 decibels. These noise levels occur without any of the proposed Project’s construction activities. Therefore, even if all of the Project’s potential construction noise was controlled such that there was no change from the baseline environment, the ambient noise level at sensitive receptor locations would still be substantially higher than the County’s construction noise standard for residential land uses.

Since existing ambient L_{max} and L_{eq} noise levels exceed County standards, it is only possible to control construction noise levels such that maximum construction noise levels do not exceed the overall ambient noise environment at sensitive receptor locations.⁵ For the purposes of this Supplemental Noise Study, the ambient noise environment is assumed to be equal to the lowest energy-averaged periodic noise level for the times of interest (6 AM to 7 AM and 7 PM to 10 PM). The comparison of the County's noise standard to the updated construction noise performance standard used in this Supplemental Noise Study is shown in Table 5.

Receptor	County Nighttime Standard (dBA L_{max})^(A)	Updated Performance Standard (dBA L_{max})	Worst-Case Construction Noise Level (dBA L_{max})^(B)	Updated Sound Barrier Performance Standard (Decibel Attenuation)
R-1: Main Hospital	--	--	73.2	45 dBA (Interior)
R-3: Empey Way Single-family Residential	50	56	65.9	Up to 10.9 dB
R-4: Sierra Crest Condominiums Multi-family Residential	55	56	59.2	Up to 3.2 dB
R-7: Moorpark Avenue Single-family Residential	50	63	65.7	Up to 2.7 dB
R-8: Moorpark Avenue Multi-family Residential	55	63	67.7	Up to 4.7 dB
(A) See Table 1. (B) See Table 1. The listed values represent the worst-case construction noise level during double-shift work at the listed receptor location. By controlling noise based on the worst-case scenario, construction noise levels during all other construction phases would be lower than presented in this Supplemental Noise Study. Receptors 2 and 6 would not be impacted by double shift work due to operating and other considerations described in the Initial Study and are not presented in this table.				

The total change in noise levels at sensitive receptor locations would be no more than 3 dBA, which is generally not a perceptible change in the ambient noise environment. MIG notes this performance standard would ensure the proposed Project's construction noise levels do not result in adverse physical change to the environment for the following reasons:

- The performance standard is based on the lowest energy averaged ambient noise level over the time period of interest (6 AM to 7 AM and 7 PM to 10 PM). During periods of higher ambient noise, the change in noise levels at sensitive receptor locations would be less than 3 dBA L_{eq} and substantially less than measured ambient L_{max} noise levels at sensitive receptor locations.
- The performance standard is to be met at the affected project property line. Given the standard applies during the 6 AM to 7 AM and 7 PM to 10 PM time periods, it is unlikely that the exterior use areas will be occupied at this time.

⁵ This fact is generally acknowledged by other sections of the County's Ordinance Code. For example, Section B11-152(a)(3) sets forth that when the ambient noise level exceeds the County's allowable receiving land uses standards, the receiving land use standards shall be increased in five dB increments as appropriate to encompass or reflect the ambient noise level.

- Project construction would not generate noise levels that would interfere with interior residential activities, including quiet repose, rest, and sleep activities that are most likely to be occurring during the 6 AM to 7 AM and 7 PM to 10 PM time periods. This is because interior noise levels would remain below 45 dBA at sensitive receptor locations assuming residences were constructed with typical means and materials (and with windows closed).

CONSTRUCTION NOISE BARRIER RECOMMENDATIONS

In general, the noise-reduction achieved by a noise barrier depends on the following factors: the effective height of the barrier; the distance between noise source and barrier; the distance between barrier and receiver; the length of the barrier; the thickness of the barrier; and the materials used for the barrier. The noise sources associated with construction equipment (motive power source, wheel/track-pavement interaction, exhaust stacks, and backup alarms) are typically located approximately 6 to 8 feet above the ground. To achieve the updated performance standards shown in Table 5, the following barriers will be required for the Project. If all the listed areas below are used, the Project would include approximately 975 feet of 6-foot-high barrier, approximately 375 feet of 8-foot-high barrier, and approximately 320 feet of 12-foot-high barrier. Refer to Figures 3 and 4 for noise barrier locations. Refer to Attachment 3 for details regarding source grade, source height, receiver grade, receiver height, barrier height assumptions, and barrier attenuation calculations. Refer to Attachment 4 for design examples and typical specifications for temporary noise barriers.

Moorpark Staging Area (If Used)

The use of the Moorpark Staging Area will require the following temporary barriers and other specific conditions to meet the performance standards shown in Table 5:

- A 12-foot-tall barrier shall be provided along the southwestern perimeter of the staging area (approximately 85 feet in the east-west direction and 85 feet in the southwest-northeast direction, or 170 linear feet in total).
 - The Project construction contractor shall locate sanitary facilities as close to this 12-foot-tall barrier as safe and feasible so that maximum noise control is provided for any vacuum truck used to clean or empty the sanitary facilities.
 - The barrier shall be constructed of solid 1-inch (1" thick) plywood or any other material or product with a transmission loss value of at least 23 dBA.^{6,7}
- A 6-foot-tall barrier shall be provided along the northwestern (approximately 70 linear feet), northern (approximately 215 linear feet), eastern (approximately 255 linear feet), and southern (approximately 40 linear feet) perimeter of this staging area.
 - The barrier shall be constructed of solid ½" plywood or any other material or product with a transmission loss value of at least 20 dBA.
- Access to the Moorpark Staging is to be provided via Ginger Lane in the general location shown on Figure 2. Additional access may be provided on the eastern perimeter of the staging area; however, access may not be provided through the northern perimeter barrier shown on Figure 4.

⁶ A-weighted noise levels are a combination of weighted noise levels of varying frequencies, and barriers have different effectiveness at different frequencies. In general, the targeted transmission loss, sound transmission class, or noise-reduction coefficient for the selected barrier material shall achieve the necessary decibel reduction at frequency of 500 hertz.

⁷ Thickness is nominal. A 1" thick commercial plywood board is typically slightly less than 1" thick.

Figure 3: Project Construction Noise Barrier Location (Overview)

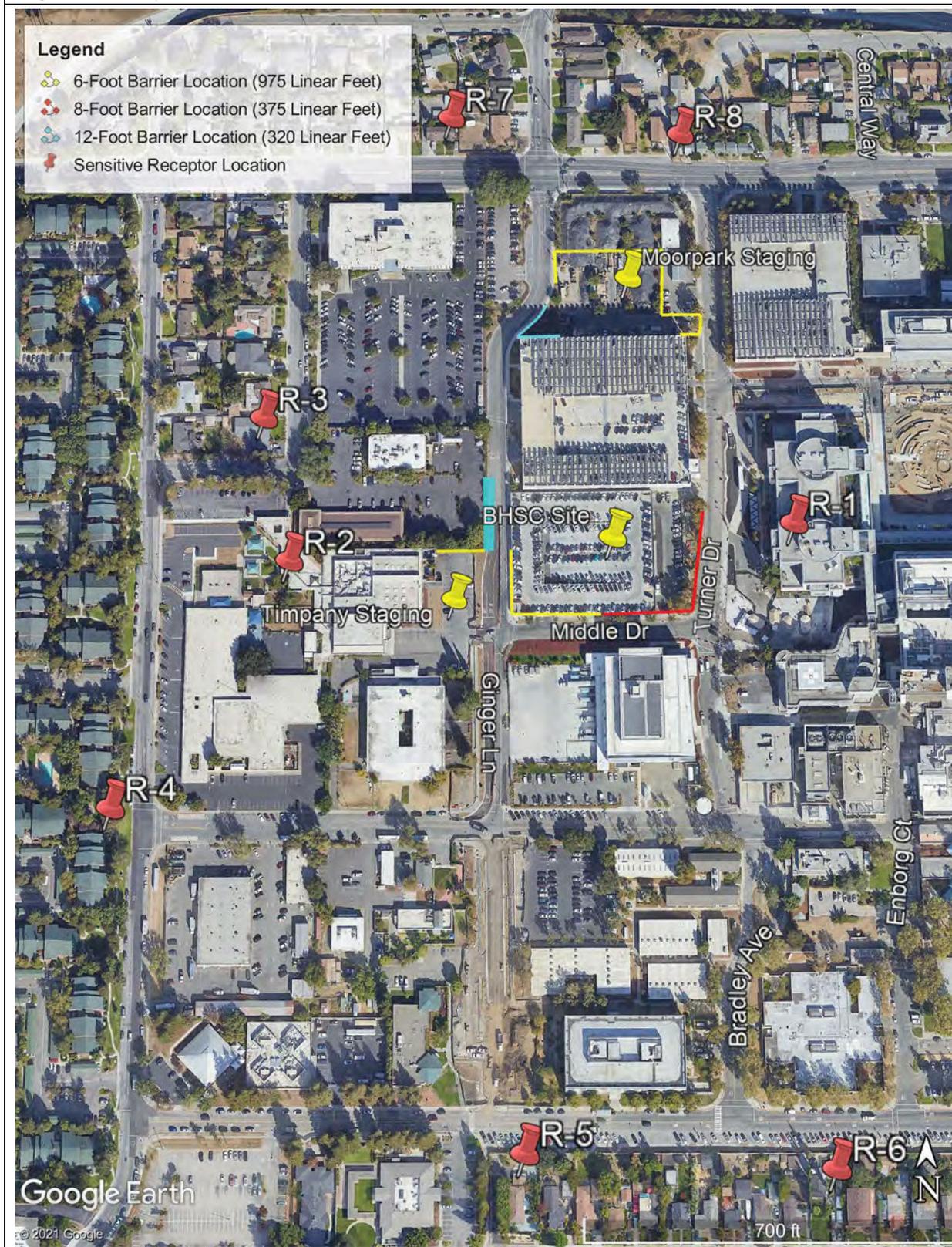
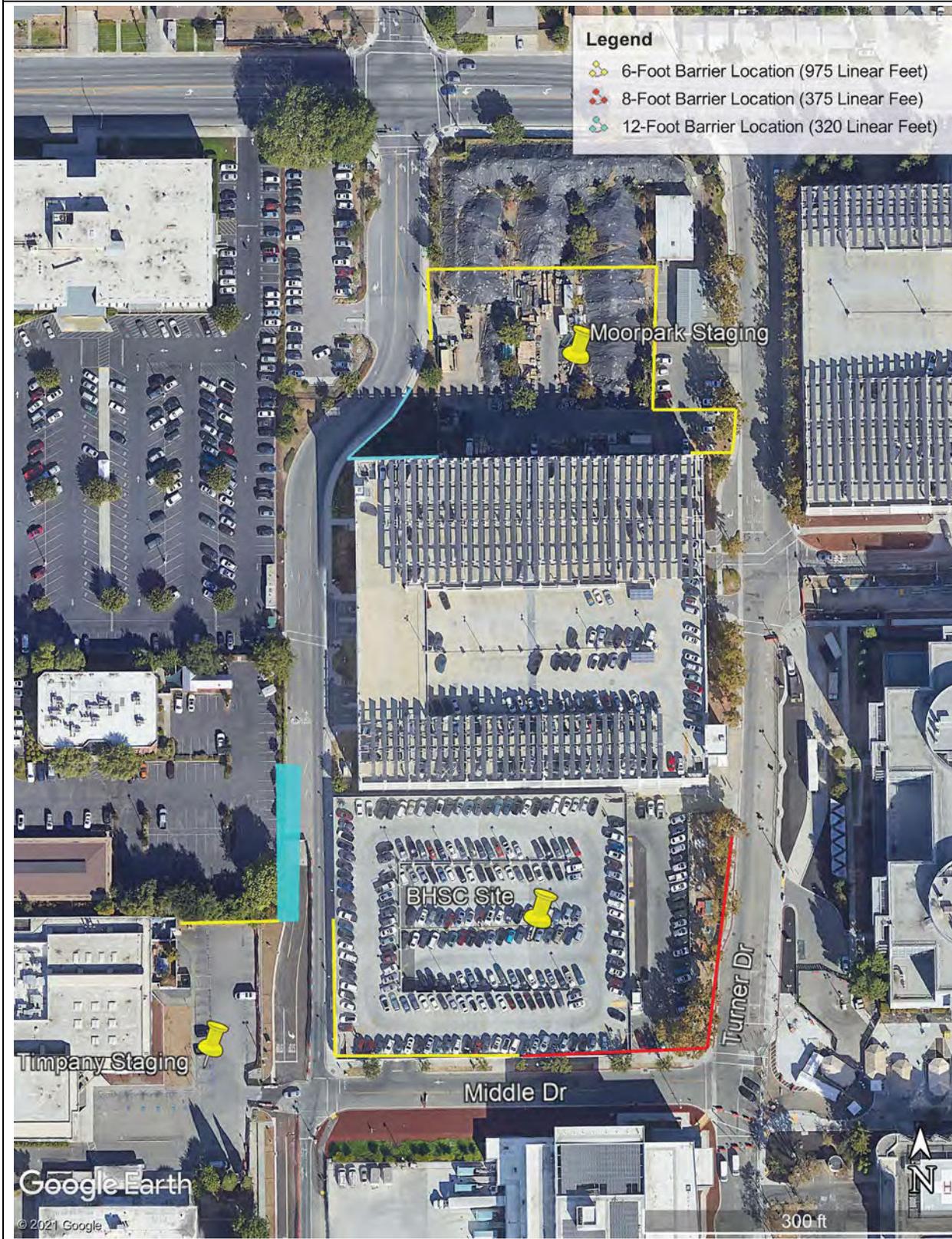


Figure 4: Project Construction Noise Barrier Location (Staging Areas/BHSC Site)



The barriers described above would provide approximately 10 dBA reduction in construction noise levels at receptors along Empey Way and approximately 5 dBA reduction in construction noise levels at receptors along Moorpark Avenue (see Attachment 3). The barriers may be erected on existing retaining walls or temporary K-rails or other solid structures (which shall be considered as part of the total height of the barrier).⁸ Boards shall be staggered one over two, or joints otherwise fastened and sealed, to prevent sound transmission through joints. There shall be no openings or gaps in the barrier. The barrier shall be regularly inspected (e.g., weekly) and maintained during construction activities (e.g., warped or cracked boards shall be replaced upon discovery). This barrier is required to remain in place throughout the duration of the use of the Moorpark Staging Area during double-shift time periods (6 AM to 7 AM and 7 PM to 10 PM).

Timpany Staging Area (If Used)

The use of the Timpany Staging Area will require the following temporary barriers to meet the performance standards shown in Table 5:

- A 6-foot-tall barrier shall be provided along the northern perimeter of the staging area (approximately 90 linear feet). The barrier shall be constructed of solid 1-inch (1") thick plywood or any other material or product with a transmission loss value of at least 23 dBA.
 - This barrier is only required if the Timpany Staging Area involves the use of heavy equipment to move materials around the staging area or a vacuum truck to empty sanitation facilities. If the staging area is used for construction trailers only, no barrier would be required.

If required, the barrier described above would provide an approximately 5 dBA reduction in construction noise levels at receptors along Empey Way (see Attachment 3). The barriers may be erected on existing retaining walls or temporary K-rails or other solid structures (which shall be considered as part of the total height of the barrier). Boards shall be staggered one over two, or joints otherwise fastened and sealed, to prevent sound transmission through joints. There shall be no openings or gaps in the barrier. The barrier shall be regularly inspected (e.g., weekly) and maintained during construction activities (e.g., warped or cracked boards shall be replaced upon discovery). This barrier is required to remain in place throughout the duration of the use of the Timpany Staging Area during double-shift time periods (6 AM to 7 AM and 7 PM to 10 PM).

BHSC Site

Construction at the BHSC site will require the following temporary barriers to meet the performance standards shown in Table 5:

- A 12-foot-tall barrier shall be provided adjacent to the northwestern perimeter of the BHSC site (approximately 150 linear feet), either within Ginger Lane or within the parking lot due west of Ginger Lane.
- An 8-foot-tall barrier shall be provided along the eastern (approximately 200 linear feet), and southern (approximately 175 linear feet) of the BHSC site.
- A 6-foot-tall barrier shall be provided along the southern (approximately 175 linear feet) and western perimeter (approximately 130 linear feet) of the BHSC site.
- Access to the BHSC site is to be provided from the northwest and northeast corners of the site. Access may not be provided through any of the barriers shown on Figure 4.

⁸ All barrier heights are height above grade at the staging area/work site.

The barriers described above would provide an approximately 10 dBA reduction in construction noise levels at receptors along Empey Way, and an approximately 7 dBA reduction in construction noise levels at the Main Hospital, and an approximately 5 dBA reduction in construction noise levels at the receptors along Thornton Way (see Attachment 3). The barriers identified above shall be constructed of 1-inch (1") thick plywood or any other material or product with a transmission loss value of at least 23 dBA.⁹ The barriers may be erected on existing retaining walls or temporary K-rails or other solid structures (which shall be considered as part of the total height of the barrier). Boards shall be staggered one over two, or joints otherwise fastened and sealed, to prevent sound transmission through joints. There shall be no openings or gaps in the barrier. The barrier shall be regularly inspected (e.g., weekly) and maintained during construction activities (e.g., warped or cracked boards shall be replaced upon discovery). This barrier is required to remain in place throughout the duration of work activities at the BHSC site during double-shift time periods (6 AM to 7 AM and 7 PM to 10 PM).

Equipment Travel on Ginger Lane During Double-Shift Time Periods

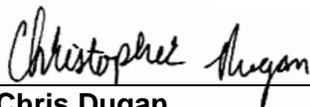
Construction equipment and truck traffic would use Ginger Lane to travel between staging areas and the BHSC site during double-shift time periods. An approximately 400-foot length of Ginger Lane is not proposed for noise control because construction equipment operating under motive or propulsive power does not generate noise levels as loud as equipment operating under partial or full engine loads during heavy equipment operations. Equipment and trucks traveling on Ginger Lane would be travelling at low speeds (assumed to be 15 to 20 miles per hour) at least 400 feet from any sensitive receptor property line. At this speed and distance, noise levels associated with equipment/truck travel would be unlikely to exceed 55 dBA L_{max} at the closest sensitive receptor locations on Empey Way. Travel along Empey Way would not require back-up alarms. The use of alarms during maneuvering would occur within staging areas and the BHSC work site and would be controlled by the barriers described above.

REFERENCES

The following references were used to prepare this memorandum:

Santa Clara County, 2021. Santa Clara Valley Medical Center Child & Adolescent Psychiatric Facility / Behavioral Health Services Center Project Initial Study. March 2021.

This memorandum was prepared by Chris Dugan of MIG (see resume contained in Attachment 5). This memorandum reflects the expert opinion and independent judgment of MIG.



Chris Dugan

Director of Air Quality, Greenhouse Gas, and Noise Services

⁹ MIG does not endorse any specific noise control product. For information purposes, commercial products that may satisfy the performance standard could include the Sound Seal BBC-13 Noise Barrier or Environmental Noise Control's STC-25 Acoustical Barrier Blanket.

Attachment 1

MARCH 2021 INITIAL STUDY MITIGATION MEASURE NOI-1

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Impact NOI-1: Double-shift construction work associated with the proposed project would involve construction work during the evening and nighttime hours that could exceed the levels permitted under County Ordinance Code Section B11-154(b)(6)(b).

Mitigation Measure NOI-1: To reduce potential noise levels associated with construction activities at the proposed Behavioral Health Center site and staging areas, the County and/or its designated contractors, contractor's representatives, or other appropriate personnel shall conduct the following activities, and adhere to and implement the following measures:

- *1.1 Prepare a Supplemental Noise Study and Establish Performance Standard for Sound Barriers.* The County shall conduct a supplemental noise study that documents the ambient noise environment (including the evening and nighttime noise environment) at sensitive receptor locations near project construction and staging areas. This study shall measure ambient noise levels over a minimum three-day period that includes at least one weekend night and, if measured ambient noise levels (on an hourly Leq basis) exceed the County's nighttime noise standards specified in County Ordinance Code Section B-11-154(b)(6)(b), the study may be used to show it is technically infeasible to meet the County's nighttime noise standards. The supplemental noise study shall set forth the required performance standard and design specifications for the temporary sound barriers, such that construction noise levels associated with the project meet the higher of the ambient noise monitoring results or the standards identified in County Ordinance Code Section B-11-154(b)(6)(b). Based on the difference between estimated construction noise levels and the standards contained in County Ordinance Code Section B-11-154(b)(6)(b), the performance standard could be as high as 16 dB.
- *1.2 Construct/Install Temporary Noise Barriers:* Prior to any construction activities associated with the project that occur between the 7 PM and 7 AM Monday to Saturday, or at any time on Sundays or holidays, the County shall install physical sound barriers around the perimeter of the Behavioral Health Center site and Moorpark Avenue staging area (if used). The specific performance standard and design specifications for the sound barriers shall be presented in the supplemental noise study prepared pursuant to this mitigation measure. Access to the Behavioral Health Center site (e.g., gates) shall be located at the northwest and northeast corners of the site. A construction noise barrier shall be located on the western side of Ginger Lane, across from the Behavioral Health Center site's access point, to inhibit noise from being transmitted directly to residential receptors on Empey Way. The barrier along Ginger Lane shall extend along the northern side of the Timpany Center staging area. Construction noise barriers shall be maintained throughout any and all construction activities involving double-shift construction work at the Behavioral Health Center site. Depending on the results of the supplemental noise study, the noise barriers may consist of the following:
 - 1.2a A concrete, wood, or other barrier installed at-grade (or mounted to structures located at-grade, such as K-Rail) along the project property line. Such a wall/barrier shall contain no gaps in the structure through which noise may pass.
 - 1.2b Commercially available acoustic panels or other products such as acoustic barrier blankets installed along the project property line, building envelope or, if feasible and necessary, at or near sensitive residential receptor areas.

- 1.2c Any combination of noise barriers and commercial products capable of achieving the performance standard established pursuant to Mitigation Measure NOI-1, part 1.1, to achieve the required reductions in construction noise levels at sensitive receptor locations.
- *1.3 Construction Equipment Care, Siting, and Design Measures.* The following construction equipment care, siting, and design measures shall apply during construction activities:
 - 1.3a Heavy equipment engines shall be covered, and exhaust pipes shall include a muffler in good working condition. Pneumatic tools shall include a noise suppression device on the compressed air exhaust.
 - 1.3b The County shall connect to existing electrical service at the site, where practical, to avoid the use of stationary, diesel- or other alternatively-fueled power generators.
 - 1.3c Refuse collection and bathroom amenities at staging sites shall be located as far from receptor locations as practical and/or where distance, in conjunction with physical barriers, provides the greatest reduction in construction staging noise levels. At the Moorpark Avenue lot, this is on the southern boundary of the site, adjacent to Parking Structure #2. At the T24 parking lot, this is at the southeastern corner of the site.
 - 1.3d No radios shall be operated between 10 PM and 7 AM in a manner that creates a noise disturbance across a property line (County Ordinance Code Section B11-154(b)(1)).
 - 1.3e No loudspeaker, public address systems, or other similar device shall be operated between 10 PM and 7 AM in a manner that creates a noise disturbance across a property line (County Ordinance Code Section B11-154(b)(2)).
 - 1.3f Heavy-duty vehicle storage and start-up areas shall be located as far away from occupied residences where feasible.
 - 1.3g All equipment shall be turned off if not in use for more than five minutes.
- *1.4 Construction Traffic.* Construction truck traffic, including soil hauling, equipment deliveries, concrete deliveries, and other vendor deliveries shall be limited to the hours of 7 AM to 10 PM, Monday through Saturday, consistent with County Ordinance Code Section B11-154(b)(5), and follow designated delivery routes prepared for the project designed to minimize potential noise impacts at nearby sensitive residential receptor locations. These provisions shall be incorporated in the Traffic Control Plan prepared for the project.

**Attachment 2
Ambient Noise Monitoring Data**

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Child & Adolescent Psychiatric Facility/Behavioral Health Services Center

Santa Clara Valley Medical Center, San Jose, CA

Attachment 2: Ambient Noise Monitoring Data

Prepared by MIG, Inc. April 2021

Table 1: Summary of LT-3 Ambient Noise Monitoring Data (Empey Way)					
Day / Time Period	Lmax Low	Lmax High	Leq Low	Leq High	Period Average
Friday, March 19, 2021					
Daytime (7 AM to 7 PM)	--	--	--	--	--
Evening (7 PM to 10 PM)	63.8	88.5	54.9	62.2	59.1
Nighttime (10 PM to 7 AM)	60.1	67.9	51.9	57.2	54.6
6 AM to 7 AM	--	--	--	--	57.2
Saturday, March 20, 2021					
Daytime (7 AM to 7 PM)	64.4	79.2	53.7	61.1	59.3
Evening (7 PM to 10 PM)	58.3	73.1	53.3	58.4	56.2
Nighttime (10 PM to 7 AM)	59.0	76.3	50.6	57.6	53.2
6 AM to 7 AM	--	--	--	--	57.6
Sunday, March 21, 2021					
Daytime (7 AM to 7 PM)	62.4	75.2	53.0	59.1	57.6
Evening (7 PM to 10 PM)	63.0	70.5	49.0	59.1	56.2
Nighttime (10 PM to 7 AM)	56.4	59.6	46.2	47.5	46.9
6 AM to 7 AM	--	--	--	--	--
Monday, March 22, 2021					
Daytime (7 AM to 7 PM)	--	--	--	--	--
Evening (7 PM to 10 PM)	73.1	84.4	55.9	57.9	57.3
Nighttime (10 PM to 7 AM)	57.0	79.1	49.0	60.6	55.4
6 AM to 7 AM	--	--	--	--	60.6

Table 2: Summary of LT-4 Ambient Noise Monitoring Data (Moorpark Avenue)					
Day / Time Period	Lmax Low	Lmax High	Leq Low	Leq High	Period Average
Friday, March 19, 2021					
Daytime (7 AM to 7 PM)	--	--	--	--	--
Evening (7 PM to 10 PM)	81.5	86.5	64.8	66.3	65.7
Nighttime (10 PM to 7 AM)	74.0	87.9	55.8	64.0	61.2
6 AM to 7 AM	--	--	--	--	62.5
Saturday, March 20, 2021					
Daytime (7 AM to 7 PM)	83.8	99.3	46.2	71.3	68.3
Evening (7 PM to 10 PM)	82.1	94.3	64.0	68.4	67.2
Nighttime (10 PM to 7 AM)	74.4	96.0	55.6	66.7	61.9
6 AM to 7 AM	--	--	--	--	63.3
Sunday, March 21, 2021					
Daytime (7 AM to 7 PM)	78.9	99.4	63.7	71.9	67.7
Evening (7 PM to 10 PM)	81.1	91.4	65.1	65.8	65.4
Nighttime (10 PM to 7 AM)	71.9	85.9	54.6	63.8	60.4
6 AM to 7 AM	--	--	--	--	63.8
Monday, March 22, 2021					
Daytime (7 AM to 7 PM)	78.5	97.6	64.9	70.2	67.6
Evening (7 PM to 10 PM)	69.4	97.8	64.2	66.1	65.3
Nighttime (10 PM to 7 AM)	72.0	97.8	53.6	69.1	62.5
6 AM to 7 AM	--	--	--	--	69.1

Child & Adolescent Psychiatric Facility/Behavioral Health Services Center
Santa Clara Valley Medical Center, San Jose, CA
Attachment 2: Ambient Noise Monitoring Data
Prepared by MIG, Inc. April 2021

Table 3: Summary of ST-4 Ambient Noise Monitoring Data (Thornton Way)					
Day / Time Period	Lmax Low	Lmax High	Leq Low	Leq High	Period Average
Saturday, March 20, 2021					
Daytime (7 AM to 7 PM)	--	--	--	--	--
Evening (7 PM to 10 PM)	69.4	78.2	56.4	59.2	58.0
Nighttime (10 PM to 7 AM)	--	--	--	--	--
6 AM to 7 AM	--	--	--	--	--

Child & Adolescent Psychiatric Facility/Behavioral Health Services Center

Santa Clara Valley Medical Center, San Jose, CA

Attachment 2: Ambient Noise Monitoring Data

Prepared by MIG, Inc. April 2021

Table 4: LT-3 Ambient Noise Monitoring Data (Empey Way)											
Date	Time	Duration	Leq	Lmin	Lmax	L(1.6)	L(8.3)	L(25)	L(50)	L(66.6)	L(90)
3/19/2021	7:00 PM	1-hr	62.2	55.2	88.5	73.5	62.2	59.6	58.8	58.5	58.0
3/19/2021	8:00 PM	1-hr	56.5	52.6	65.3	58.4	57.5	56.8	56.4	56.1	55.6
3/19/2021	9:00 PM	1-hr	54.9	50.1	63.8	56.9	55.8	55.2	54.7	54.4	54.0
3/19/2021	10:00 PM	1-hr	52.8	49.7	60.1	54.7	53.8	53.1	52.6	52.3	51.9
3/19/2021	11:00 PM	1-hr	54.4	50.4	62.8	56.7	55.8	54.9	54.2	53.9	53.3
3/20/2021	12:00 AM	1-hr	54.1	49.3	60.4	56.2	55.3	54.6	53.9	53.5	52.8
3/20/2021	1:00 AM	1-hr	53.8	48.7	60.7	56.6	55.6	54.5	53.4	52.8	51.7
3/20/2021	2:00 AM	1-hr	52.2	45.1	61.5	55.5	54.4	53.0	51.6	50.9	49.7
3/20/2021	3:00 AM	1-hr	51.9	44.2	67.9	55.5	54.4	53.0	51.3	50.5	48.6
3/20/2021	4:00 AM	1-hr	55.0	47.3	65.1	57.8	56.8	55.8	54.7	54.0	52.7
3/20/2021	5:00 AM	1-hr	57.1	49.2	63.5	59.3	58.6	57.8	56.9	56.3	55.2
3/20/2021	6:00 AM	1-hr	57.2	51.1	63.0	59.1	58.5	57.7	57.0	56.6	55.9
3/20/2021	7:00 AM	1-hr	59.9	55.5	66.1	61.8	61.0	60.3	59.7	59.4	58.9
3/20/2021	8:00 AM	1-hr	59.6	53.9	70.2	61.8	60.8	59.9	59.4	59.1	58.7
3/20/2021	9:00 AM	1-hr	53.7	48.5	66.7	57.0	55.4	54.0	53.3	52.8	52.3
3/20/2021	10:00 AM	1-hr	58.9	52.6	79.2	64.4	62.8	58.2	57.2	56.8	56.2
3/20/2021	11:00 AM	1-hr	59.5	53.0	76.0	63.5	61.9	60.2	58.8	58.2	56.7
3/20/2021	12:00 PM	1-hr	58.2	52.3	67.8	60.8	59.5	58.6	58.0	57.6	57.1
3/20/2021	1:00 PM	1-hr	60.9	55.0	76.6	65.5	63.7	61.5	60.0	59.4	58.4
3/20/2021	2:00 PM	1-hr	59.4	55.4	71.1	62.0	60.9	59.8	59.1	58.8	58.2
3/20/2021	3:00 PM	1-hr	59.2	55.4	64.4	61.2	60.3	59.6	59.0	58.7	58.0
3/20/2021	4:00 PM	1-hr	57.8	54.6	66.8	60.1	58.9	58.2	57.6	57.2	56.7
3/20/2021	5:00 PM	1-hr	59.6	55.6	73.1	62.5	60.8	59.8	59.3	59.0	58.5
3/20/2021	6:00 PM	1-hr	61.1	57.5	73.7	63.8	62.4	61.4	60.8	60.5	59.9
3/20/2021	7:00 PM	1-hr	58.4	54.1	73.1	61.6	59.4	58.6	58.1	57.8	57.3
3/20/2021	8:00 PM	1-hr	55.5	51.6	68.2	57.9	56.7	56.0	55.3	54.9	54.4
3/20/2021	9:00 PM	1-hr	53.3	50.6	58.3	54.9	54.2	53.7	53.2	52.9	52.4
3/20/2021	10:00 PM	1-hr	52.3	49.0	64.2	54.6	53.8	52.7	52.1	51.7	51.1
3/20/2021	11:00 PM	1-hr	53.6	49.9	66.9	56.5	55.2	54.0	53.3	53.0	52.2
3/21/2021	12:00 AM	1-hr	52.6	46.8	61.8	55.3	54.3	53.2	52.4	51.8	50.9
3/21/2021	1:00 AM	1-hr	52.5	44.8	76.3	59.7	55.1	52.6	51.2	50.5	49.3
3/21/2021	2:00 AM	1-hr	51.0	43.5	61.8	55.0	53.6	51.9	50.3	49.4	48.0
3/21/2021	3:00 AM	1-hr	51.2	43.5	59.6	55.0	53.8	52.3	50.6	49.6	47.9
3/21/2021	4:00 AM	1-hr	50.6	43.8	59.0	53.9	52.8	51.3	50.1	49.3	48.2
3/21/2021	5:00 AM	1-hr	52.8	46.0	61.0	55.6	54.6	53.5	52.5	51.9	50.8
3/21/2021	6:00 AM	1-hr	57.6	50.8	63.9	59.9	59.2	58.3	57.4	56.8	55.7
3/21/2021	7:00 AM	1-hr	58.8	53.5	67.2	61.6	60.5	59.5	58.6	58.0	56.9
3/21/2021	8:00 AM	1-hr	53.0	47.9	62.4	55.7	54.8	53.8	52.6	51.9	51.1
3/21/2021	9:00 AM	1-hr	53.9	47.3	75.2	59.2	56.3	54.3	53.3	52.3	51.0
3/21/2021	10:00 AM	1-hr	56.3	50.7	66.3	58.2	57.3	56.7	56.2	55.9	55.4
3/21/2021	11:00 AM	1-hr	57.8	54.8	67.2	59.9	59.0	58.2	57.6	57.3	56.8
3/21/2021	12:00 PM	1-hr	57.3	52.4	66.1	59.7	58.5	57.7	57.1	56.7	56.2
3/21/2021	1:00 PM	1-hr	57.8	51.8	66.5	60.1	59.1	58.4	57.7	57.2	56.6

Child & Adolescent Psychiatric Facility/Behavioral Health Services Center

Santa Clara Valley Medical Center, San Jose, CA

Attachment 2: Ambient Noise Monitoring Data

Prepared by MIG, Inc. April 2021

3/21/2021	2:00 PM	1-hr	59.1	54.6	68.7	61.7	60.5	59.5	58.8	58.4	57.8
3/21/2021	3:00 PM	1-hr	58.9	55.1	66.1	61.1	60.1	59.3	58.8	58.4	57.8
3/21/2021	4:00 PM	1-hr	58.7	55.3	71.0	62.2	60.0	58.9	58.3	58.0	57.3
3/21/2021	5:00 PM	1-hr	58.0	54.4	64.4	60.2	59.3	58.5	57.8	57.5	57.0
3/21/2021	6:00 PM	1-hr	58.0	55.0	70.6	60.9	59.5	58.2	57.6	57.3	56.8
3/21/2021	7:00 PM	1-hr	59.1	53.1	70.5	61.7	60.9	59.8	58.9	58.2	57.5
3/21/2021	8:00 PM	1-hr	55.3	48.7	64.0	58.1	56.7	55.7	55.0	54.7	54.1
3/21/2021	9:00 PM	1-hr	49.0	45.6	63.0	52.6	50.7	49.2	48.4	48.1	47.6
3/21/2021	10:00 PM	1-hr	47.5	43.8	59.6	50.7	49.1	47.8	47.0	46.7	46.2
3/21/2021	11:00 PM	1-hr	46.2	44.0	56.4	48.5	47.4	46.5	46.0	45.6	45.2
3/22/2021	7:00 PM	1-hr	57.8	51.5	77.5	63.3	60.2	58.0	56.7	56.4	55.9
3/22/2021	8:00 PM	1-hr	57.9	51.6	84.4	66.5	58.3	57.0	56.4	56.0	55.5
3/22/2021	9:00 PM	1-hr	55.9	51.0	73.1	59.7	57.2	56.1	55.5	55.1	54.5
3/22/2021	10:00 PM	1-hr	57.2	52.6	66.5	59.5	58.4	57.6	57.0	56.6	55.9
3/22/2021	11:00 PM	1-hr	55.8	50.4	62.0	58.2	57.3	56.4	55.6	55.2	54.4
3/23/2021	12:00 AM	1-hr	52.9	46.1	65.9	56.1	54.9	53.5	52.5	51.9	50.8
3/23/2021	1:00 AM	1-hr	51.0	44.5	61.9	54.1	53.0	51.8	50.6	50.0	48.9
3/23/2021	2:00 AM	1-hr	49.0	43.0	57.0	51.8	50.8	49.8	48.8	48.1	47.2
3/23/2021	3:00 AM	1-hr	49.3	43.7	61.2	52.4	51.4	50.1	48.8	48.1	47.2
3/23/2021	4:00 AM	1-hr	50.9	45.3	62.6	53.6	52.3	51.3	50.5	50.1	49.6
3/23/2021	5:00 AM	1-hr	56.8	50.0	74.2	59.8	58.2	57.0	56.5	56.1	55.6
3/23/2021	6:00 AM	1-hr	60.6	57.0	79.1	64.0	62.1	60.8	60.1	59.8	59.4

Child & Adolescent Psychiatric Facility/Behavioral Health Services Center

Santa Clara Valley Medical Center, San Jose, CA

Attachment 2: Ambient Noise Monitoring Data

Prepared by MIG, Inc. April 2021

Table 5: LT-4 Ambient Noise Monitoring Data (Moorpark Avenue)											
Date	Time	Duration	Leq	Lmin	Lmax	L(1.6)	L(8.3)	L(25)	L(50)	L(66.6)	L(90)
3/19/2021	7:00 PM	1-hr	66.3	57.9	81.5	72.4	69.9	67.2	64.5	63.1	61.4
3/19/2021	8:00 PM	1-hr	65.9	55.7	82.3	72.9	70.4	66.8	63.3	61.5	59.4
3/19/2021	9:00 PM	1-hr	64.8	53.8	86.5	73.0	69.5	65.1	61.1	59.3	57.5
3/19/2021	10:00 PM	1-hr	64.0	52.7	86.8	72.6	68.4	63.9	60.3	58.5	56.5
3/19/2021	11:00 PM	1-hr	62.2	52.3	80.0	69.2	66.1	62.8	59.8	58.5	56.7
3/20/2021	12:00 AM	1-hr	61.6	50.2	87.9	71.4	65.5	60.8	57.2	56.1	54.8
3/20/2021	1:00 AM	1-hr	60.0	47.9	81.5	69.0	64.1	59.1	56.5	55.4	54.0
3/20/2021	2:00 AM	1-hr	59.1	45.2	81.9	67.5	64.4	58.3	55.0	53.8	51.5
3/20/2021	3:00 AM	1-hr	55.8	45.4	74.0	65.1	60.2	54.2	52.1	51.2	49.5
3/20/2021	4:00 AM	1-hr	58.9	48.8	76.8	66.6	62.5	58.7	56.8	55.9	54.3
3/20/2021	5:00 AM	1-hr	61.6	50.0	82.4	70.5	65.3	60.7	58.7	57.8	56.5
3/20/2021	6:00 AM	1-hr	62.5	52.6	75.4	68.9	66.2	63.1	60.7	59.6	58.1
3/20/2021	7:00 AM	1-hr	66.1	58.0	89.2	74.3	69.5	65.7	63.7	62.9	61.8
3/20/2021	8:00 AM	1-hr	69.0	54.2	97.2	79.4	73.0	67.0	63.9	62.4	60.9
3/20/2021	9:00 AM	1-hr	65.2	51.4	83.8	73.1	69.9	65.7	62.0	59.8	57.3
3/20/2021	10:00 AM	1-hr	69.8	56.4	99.0	79.9	75.0	67.9	64.3	62.3	60.1
3/20/2021	11:00 AM	1-hr	66.8	55.6	92.5	75.4	70.1	67.2	64.2	62.6	60.8
3/20/2021	12:00 PM	1-hr	66.8	56.9	87.3	73.8	70.4	67.6	64.9	63.3	61.3
3/20/2021	1:00 PM	1-hr	67.4	58.5	84.3	74.0	71.6	68.2	65.4	64.0	62.0
3/20/2021	2:00 PM	1-hr	68.8	58.9	95.7	79.0	72.6	67.2	64.7	63.4	61.8
3/20/2021	3:00 PM	1-hr	67.0	58.0	85.1	73.7	70.8	67.8	64.8	63.5	61.8
3/20/2021	4:00 PM	1-hr	66.1	58.1	86.1	73.2	69.8	66.9	64.1	62.5	60.7
3/20/2021	5:00 PM	1-hr	70.4	57.8	97.5	81.2	74.4	68.1	65.1	63.5	62.0
3/20/2021	6:00 PM	1-hr	71.3	59.7	99.3	81.8	74.9	71.3	65.4	64.1	62.7
3/20/2021	7:00 PM	1-hr	68.4	56.7	92.7	76.5	74.1	67.4	64.5	62.7	60.8
3/20/2021	8:00 PM	1-hr	68.1	54.0	94.3	77.3	72.6	67.1	62.9	60.9	58.5
3/20/2021	9:00 PM	1-hr	64.0	52.6	82.1	71.2	68.4	65.0	61.1	58.8	56.6
3/20/2021	10:00 PM	1-hr	64.9	51.9	88.9	74.3	69.8	64.3	60.3	58.4	55.7
3/20/2021	11:00 PM	1-hr	66.7	52.0	96.0	79.0	68.0	62.1	59.0	57.5	55.6
3/21/2021	12:00 AM	1-hr	61.2	49.1	82.0	70.1	66.0	60.7	56.9	55.4	53.7
3/21/2021	1:00 AM	1-hr	58.6	47.7	76.9	67.5	63.2	57.8	54.7	53.4	51.8
3/21/2021	2:00 AM	1-hr	57.4	44.5	75.2	65.8	62.2	56.8	53.7	52.3	50.4
3/21/2021	3:00 AM	1-hr	58.3	45.1	83.0	67.5	63.3	57.0	53.7	52.4	50.0
3/21/2021	4:00 AM	1-hr	55.6	44.7	74.7	64.6	59.9	54.5	51.7	50.7	49.3
3/21/2021	5:00 AM	1-hr	57.5	46.4	74.4	65.0	61.5	57.3	55.0	53.9	52.5
3/21/2021	6:00 AM	1-hr	63.3	53.6	81.6	70.8	66.6	63.2	61.6	60.7	59.1
3/21/2021	7:00 AM	1-hr	63.7	56.3	78.9	70.1	67.0	64.0	62.2	61.4	60.0
3/21/2021	8:00 AM	1-hr	67.5	49.8	99.4	79.8	69.7	63.0	59.5	57.4	54.8
3/21/2021	9:00 AM	1-hr	65.0	52.2	86.2	72.7	69.2	65.7	62.1	60.6	58.0
3/21/2021	10:00 AM	1-hr	71.9	54.7	93.0	78.8	76.0	73.9	68.7	66.2	61.0
3/21/2021	11:00 AM	1-hr	65.9	57.6	81.8	72.2	70.1	66.9	63.8	62.3	60.3
3/21/2021	12:00 PM	1-hr	69.6	56.7	99.4	81.0	73.8	66.7	63.5	61.9	60.1
3/21/2021	1:00 PM	1-hr	66.7	56.4	89.9	74.6	70.4	67.1	64.3	62.8	60.9

Child & Adolescent Psychiatric Facility/Behavioral Health Services Center

Santa Clara Valley Medical Center, San Jose, CA

Attachment 2: Ambient Noise Monitoring Data

Prepared by MIG, Inc. April 2021

3/21/2021	2:00 PM	1-hr	68.9	57.6	92.5	78.5	73.8	67.3	64.6	63.1	61.4
3/21/2021	3:00 PM	1-hr	68.2	58.1	92.9	77.6	72.2	67.6	64.5	63.2	61.7
3/21/2021	4:00 PM	1-hr	66.0	57.7	81.0	72.3	69.5	67.0	64.0	62.7	61.2
3/21/2021	5:00 PM	1-hr	66.1	57.9	80.2	72.3	69.8	67.1	64.3	62.6	60.8
3/21/2021	6:00 PM	1-hr	66.2	57.6	82.9	73.1	70.3	66.8	63.9	62.2	60.6
3/21/2021	7:00 PM	1-hr	65.8	57.4	81.1	72.4	69.7	66.8	63.4	61.9	60.1
3/21/2021	8:00 PM	1-hr	65.4	53.6	86.3	73.7	69.8	65.7	62.3	60.3	58.0
3/21/2021	9:00 PM	1-hr	65.1	48.7	91.4	76.0	68.7	63.7	58.9	56.4	53.2
3/21/2021	10:00 PM	1-hr	63.5	47.9	83.1	72.9	68.5	62.6	58.7	56.6	53.3
3/21/2021	11:00 PM	1-hr	59.9	45.8	75.2	67.7	64.6	60.3	56.4	54.7	52.2
3/22/2021	12:00 AM	1-hr	58.8	45.5	81.8	67.9	63.3	58.0	55.0	53.8	51.9
3/22/2021	1:00 AM	1-hr	55.5	43.9	76.1	64.3	60.2	54.6	51.8	50.7	49.0
3/22/2021	2:00 AM	1-hr	55.1	43.9	77.0	64.8	60.1	53.2	49.5	48.4	47.1
3/22/2021	3:00 AM	1-hr	54.6	44.1	73.5	63.7	59.2	53.2	51.0	49.9	48.3
3/22/2021	4:00 AM	1-hr	55.9	44.6	71.9	63.1	59.9	55.9	53.9	52.8	51.5
3/22/2021	5:00 AM	1-hr	63.1	50.9	85.9	72.3	67.3	62.2	59.4	58.3	57.2
3/22/2021	6:00 AM	1-hr	63.8	53.1	84.2	70.9	67.9	64.3	61.7	60.1	57.8
3/22/2021	7:00 AM	1-hr	66.7	57.1	89.7	75.7	70.3	66.3	63.6	62.2	60.4
3/22/2021	8:00 AM	1-hr	65.3	53.5	78.5	71.3	69.2	66.6	63.4	61.8	58.8
3/22/2021	9:00 AM	1-hr	69.0	51.3	95.1	79.2	74.3	66.1	62.3	59.8	56.6
3/22/2021	10:00 AM	1-hr	64.9	51.5	81.3	72.2	69.1	65.9	62.3	60.0	57.5
3/22/2021	11:00 AM	1-hr	65.2	51.1	82.1	72.6	69.6	66.0	62.6	60.5	57.6
3/22/2021	12:00 PM	1-hr	69.0	53.4	93.9	77.9	74.8	69.0	63.5	61.4	58.5
3/22/2021	1:00 PM	1-hr	66.0	53.5	82.9	72.4	70.1	67.2	63.7	62.1	59.6
3/22/2021	2:00 PM	1-hr	67.0	58.8	82.4	73.2	70.5	67.6	65.5	64.2	62.6
3/22/2021	3:00 PM	1-hr	67.6	58.1	86.5	75.0	71.7	67.7	65.6	64.4	63.1
3/22/2021	4:00 PM	1-hr	67.3	59.2	88.1	74.3	71.0	67.8	65.4	64.0	62.4
3/22/2021	5:00 PM	1-hr	70.2	58.5	97.6	81.0	73.9	67.8	65.4	63.9	62.3
3/22/2021	6:00 PM	1-hr	68.7	57.8	91.2	78.7	72.8	67.2	64.8	63.4	61.7
3/22/2021	7:00 PM	1-hr	66.1	54.6	89.5	75.1	70.1	65.7	62.6	61.1	59.4
3/22/2021	8:00 PM	1-hr	65.3	54.7	87.4	73.5	69.4	65.4	62.4	61.0	59.3
3/22/2021	9:00 PM	1-hr	64.2	54.1	78.3	71.3	68.6	64.9	61.4	59.6	57.8
3/22/2021	10:00 PM	1-hr	63.4	53.9	81.5	71.3	67.1	63.8	61.0	59.8	58.1
3/22/2021	11:00 PM	1-hr	61.9	50.7	85.1	70.4	65.9	61.3	59.0	58.0	56.3
3/23/2021	12:00 AM	1-hr	58.8	46.2	76.3	66.8	63.3	58.7	55.7	54.4	52.6
3/23/2021	1:00 AM	1-hr	56.5	44.6	73.6	64.6	61.4	56.1	52.7	51.5	49.8
3/23/2021	2:00 AM	1-hr	53.6	42.2	72.0	62.6	58.3	52.2	49.9	48.8	47.2
3/23/2021	3:00 AM	1-hr	53.9	42.5	73.8	63.0	58.9	52.5	49.6	48.6	47.2
3/23/2021	4:00 AM	1-hr	56.5	43.8	74.0	64.4	61.5	56.2	52.9	51.9	50.7
3/23/2021	5:00 AM	1-hr	62.5	50.5	80.6	70.2	66.8	62.4	59.7	58.6	57.4
3/23/2021	6:00 AM	1-hr	69.1	58.8	97.8	79.5	73.8	67.0	64.4	63.4	62.0

Child & Adolescent Psychiatric Facility/Behavioral Health Services Center

Santa Clara Valley Medical Center, San Jose, CA

Attachment 2: Ambient Noise Monitoring Data

Prepared by MIG, Inc. April 2021

Date	Time	Duration	Leq	Lmin	Lmax	L(1.6)	L(8.3)	L(25)	L(50)	L(66.6)	L(90)
3/20/2021	7:10 PM	50 mins	59.2	54.9	69.4	63.7	61.2	59.5	58.6	58.2	57.5
3/20/2021	8:00 PM	1-hr	57.7	53.6	76.8	63.8	60.2	57.7	56.6	56.1	55.4
3/20/2021	9:00 PM	1-hr	56.4	50.5	78.2	64.2	58.8	56.0	54.7	54.2	53.5

Summary

Filename LxT_Data.041
Serial Number 5064
Model SoundTrack LxT®
Firmware Version 2.402
User
Location
Job Description
Note

Noise Study 3/19-23/21A

Measurement Description SJ1, LT1
Start 2021/03/19 19:00:00
Stop 2021/03/21 23:23:30
Duration 2 Days 04:23:30.1
Run Time 2 Days 04:23:30.1
Pause 0:00:00.0

Pre Calibration 2021/03/19 18:08:27
Post Calibration None
Calibration Deviation ---

Overall Settings

RMS Weight A Weighting
Peak Weight A Weighting
Detector Slow
Preamp PRMLxT1L
Microphone Correction Off
Integration Method Exponential
OBA Range Normal
OBA Bandwidth 1/1 and 1/3
OBA Freq. Weighting A Weighting
OBA Max Spectrum At Lmax
Overload 122.6 dB

	A	C	Z
Under Range Peak	79.2	76.2	81.2 dB
Under Range Limit	24.3	25.4	31.5 dB
Noise Floor	15.1	16.2	22.4 dB

Results

LASeq 57.1 dB
LASE 109.8 dB
EAS 10.679 mPa²h
EAS8 1.631 mPa²h
EAS40 8.153 mPa²h
LApeak (max) 2021/03/19 19:11:55 112.6 dB
LASmax 2021/03/19 19:11:56 88.5 dB
LASmin 2021/03/21 3:02:19 43.5 dB
SEA -99.9 dB

**LAS > 100.0 dB (Exceedence
 Counts / Duration)**

0 0.0 s

LAS > 100.0 dB (Exceedence Counts / Duration)	0	0.0 s
LAPeak > 120.0 dB (Exceedence Counts / Duration)	0	0.0 s
LAPeak > 140.0 dB (Exceedence Counts / Duration)	0	0.0 s
LAPeak > 140.0 dB (Exceedence Counts / Duration)	0	0.0 s

Community Noise	Ldn	LDay	LNight	Lden	LDay	LEvening	LNight	
		07:00-22:00	22:00-07:00		07:00-19:00	19:00-22:00	22:00-07:00	
		61.1	58.2	53.7	61.6	58.5	57.4	53.7
LCSeq		65.3 dB						
LASeq		57.1 dB						
LCSeq - LASEq		8.3 dB						
LALeq		58.3 dB						
LAeq		57.1 dB						
LALeq - LAeq		1.2 dB						
# Overloads		0						
Overload Duration		0.0 s						
# OBA Overloads		0						
OBA Overload Duration		0.0 s						

Dose Settings

Dose Name	OSHA-1	OSHA-2
Exch. Rate	5	5 dB
Threshold	None	None dB
Criterion Level	90	90 dB
Criterion Duration	8	8 h

Results

Dose	6.12	6.12 %
Projected Dose	0.93	0.93 %
TWA (Projected)	56.3	56.3 dB
TWA (t)	69.9	69.9 dB
Lep (t)	65.2	65.2 dB

Statistics

LAS1.66	62.0 dB
LAS8.33	60.0 dB
LAS25.00	58.2 dB
LAS50.00	55.9 dB
LAS66.66	53.6 dB
LAS90.00	49.7 dB

Calibration History

	Date	dB re. 1V/Pa
Preamp		
Direct	2020/01/28 5:43:54	-28.6
PRMLxT1L	2021/03/19 18:08:24	-28.9
PRMLxT1L	2021/02/05 13:28:47	-28.8
PRMLxT1L	2020/10/23 12:32:19	-28.7
PRMLxT1L	2020/10/22 16:11:45	-28.7
PRMLxT1L	2020/09/28 11:17:28	-28.8
PRMLxT1L	2020/09/25 10:40:03	-28.8
PRMLxT1L	2020/09/19 14:19:49	-28.9
PRMLxT1L	2020/09/17 13:59:01	-28.9
PRMLxT1L	2020/09/16 9:14:38	-28.8
PRMLxT1L	2020/09/15 8:58:37	-28.7
PRMLxT1L	2020/08/13 11:38:31	-28.4

Summary

Filename LxT_Data.045
Serial Number 5065
Model SoundTrack LxT®
Firmware Version 2.402

User
Location
Job Description
Note

SCVMC BHSC Supplemental
Noise Study 3/19-23/21A

Measurement Description SJ2, LT2
Start 2021/03/19 19:00:00
Stop 2021/03/23 7:00:00
Duration 3 Days 12:00:00.0
Run Time 3 Days 12:00:00.0
Pause 0:00:00.0

Pre Calibration 2021/03/19 18:31:11
Post Calibration 2021/03/23 7:17:54
Calibration Deviation -0.12 dB

Overall Settings

RMS Weight A Weighting
Peak Weight A Weighting
Detector Slow
Preamp PRMLxT1L
Microphone Correction Off
Integration Method Exponential
OBA Range Normal
OBA Bandwidth 1/1 and 1/3
OBA Freq. Weighting A Weighting
OBA Max Spectrum At Lmax
Overload 122.4 dB

	A	C	Z
Under Range Peak	78.9	75.9	80.9 dB
Under Range Limit	25.3	25.9	31.6 dB
Noise Floor	16.1	16.8	22.4 dB

Results

LASeq 65.8 dB
LASE 120.6 dB
EAS 127.160 mPa²h
EAS8 12.110 mPa²h
EAS40 60.552 mPa²h
LApeak (max) 2021/03/22 20:08:53 117.8 dB
LASmax 2021/03/21 12:20:45 99.4 dB
LASmin 2021/03/23 2:42:16 42.2 dB
SEA -99.9 dB

LAS > 100.0 dB (Exceedence Counts / Duration)	0	0.0 s
LAS > 100.0 dB (Exceedence Counts / Duration)	0	0.0 s
LApeak > 120.0 dB (Exceedence Counts / Duration)	0	0.0 s
LApeak > 140.0 dB (Exceedence Counts / Duration)	0	0.0 s
LApeak > 140.0 dB (Exceedence Counts / Duration)	0	0.0 s

Community Noise	Ldn	LDay LNight		Lden	LDay	LEvening	LNight
		07:00- 22:00-	07:00- 19:00-		19:00- 22:00-	07:00-	
	69.5	67.5	61.5	70.0	67.8	66.0	61.5
LCSeq	72.7 dB						
LASeq	65.8 dB						
LCSeq - LASeq	6.9 dB						
LAleq	68.2 dB						
LAeq	65.8 dB						
LAleq - LAeq	2.4 dB						
# Overloads	0						
Overload Duration	0.0 s						
# OBA Overloads	0						
OBA Overload Duration	0.0 s						

Dose Settings	OSHA-1	OSHA-2
Dose Name	OSHA-1	OSHA-2
Exch. Rate	5	5 dB
Threshold	None	None dB
Criterion Level	90	90 dB
Criterion Duration	8	8 h

Results	OSHA-1	OSHA-2
Dose	25.6	25.6 %
Projected Dose	2.44	2.44 %
TWA (Projected)	63.2	63.2 dB
TWA (t)	80.2	80.2 dB
Lep (t)	76.0	76.0 dB

Statistics

LAS1.66	72.1 dB
LAS8.33	68.5 dB
LAS25.00	64.8 dB
LAS50.00	61.1 dB
LAS66.66	58.4 dB
LAS90.00	51.8 dB

Calibration History

Preamp	Date	1V/Pa
Direct	2020/01/28 6:05:01	-28.5
PRMLxT1L	2021/03/23 7:17:52	-28.7
PRMLxT1L	2021/03/19 18:31:09	-28.5
PRMLxT1L	2021/02/03 16:10:04	-28.4
PRMLxT1L	2021/02/03 15:34:05	-28.3
PRMLxT1L	2021/01/31 15:16:05	-28.4
PRMLxT1L	2021/01/31 13:28:12	-28.3
PRMLxT1L	2021/01/31 13:27:17	-28.4
PRMLxT1L	2021/01/31 13:23:55	-28.4
PRMLxT1L	2020/10/23 12:11:15	-28.4
PRMLxT1L	2020/10/23 12:01:27	-28.4
PRMLxT1L	2020/10/22 17:45:03	-28.3
Other	2018/11/13 8:29:15	-28.3
Other	2018/11/05 14:21:01	-28.3
Other	2018/06/27 10:46:33	-28.0
Other	2018/06/27 10:46:16	-28.0

Summary

Filename LxT_Data.065
Serial Number 3790
Model SoundExpert™ LxT
Firmware Version 2.402
User
Location
Job Description
Note

SCVMC BHSC Supplemental

Measurement Description Noise Study 3/20/21 - RVS
Start 20/03/2021 19:10:00
Stop 20/03/2021 22:00:00
Duration 2:50:00.0
Run Time 2:50:00.0
Pause 0:00:00.0

Pre Calibration 20/03/2021 19:06:25
Post Calibration 20/03/2021 22:01:37
Calibration Deviation -0.14 dB

Overall Settings

RMS Weight A Weighting
Peak Weight A Weighting
Detector Slow
Preamp PRMLxT1L
Microphone Correction Off
Integration Method Exponential
OBA Range Normal
OBA Bandwidth 1/1 and 1/3
OBA Freq. Weighting A Weighting
OBA Max Spectrum At Lmax
Overload 122.9 dB

	A	C	Z
Under Range Peak	79.5	76.5	81.5 dB
Under Range Limit	24.4	25.5	31.7 dB
Noise Floor	15.2	16.4	22.6 dB

Results

LASeq 57.9 dB
LASE 98.0 dB
EAS 693.204 $\mu\text{Pa}^2\text{h}$
LApk (max) 20/03/2021 21:51:59 92.8 dB
LASmax 20/03/2021 21:52:00 78.2 dB
LASmin 20/03/2021 21:31:47 50.5 dB
SEA -99.9 dB

(Exceedence Counts / Duration)

0 0.0 s

(Exceedence Counts / Duration)	0	0.0 s
(Exceedence Counts / Duration)	0	0.0 s
(Exceedence Counts / Duration)	0	0.0 s
(Exceedence Counts / Duration)	0	0.0 s

Community Noise	LDay 07:00-22:00-		LNight	LEvening		LNight
	Ldn	22:00 07:00	Lden	19:00 22:00	19:00-07:00	22:00-07:00
	57.9	57.9	-99.9	-99.9	-99.9	57.9
LCSeq	65.7 dB					
LASeq	57.9 dB					
LCSeq - LASEq	7.9 dB					
LAAeq	59.1 dB					
LAeq	57.9 dB					
LAAeq - LAeq	1.3 dB					
# Overloads	0					
Overload Duration	0.0 s					
# OBA Overloads	0					
OBA Overload Duration	0.0 s					

Statistics	
LAS1.66	63.4 dB
LAS8.33	60.4 dB
LAS25.00	58.3 dB
LAS50.00	56.5 dB
LAS66.66	55.6 dB
LAS90.00	53.6 dB

Calibration History

Preamp	Date	dB re. 1V/Pa
Direct	28/01/2020 6:13:43	-26.4
Direct	27/01/2020 13:00:51	-29.0
PRMLxT1L	20/03/2021 22:01:35	-29.2
PRMLxT1L	20/03/2021 19:06:13	-29.0
PRMLxT1L	19/03/2021 22:01:15	-29.0
PRMLxT1L	19/03/2021 19:13:25	-28.9
PRMLxT1L	03/02/2021 16:16:07	-29.0
PRMLxT1L	03/02/2021 15:06:09	-28.9
PRMLxT1L	03/02/2021 8:41:17	-28.8
PRMLxT1L	03/02/2021 7:02:16	-28.9
PRMLxT1L	03/02/2021 6:54:30	-28.9
PRMLxT1L	02/02/2021 23:01:48	-29.0
PRMLxT1L	02/02/2021 21:32:30	-28.9
Other	01/12/2019 17:09:04	-29.0

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Attachment 3
BARRIER ATTENUATION CALCULATIONS

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**Child & Adolescent Psychiatric Facility/Behavioral Health Services Center
Santa Clara Valley Medical Center, San Jose, CA
Attachment 3: Barrier Attenuation Estimates
Prepared by MIG, Inc. April 2021**

Contents:

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Child & Adolescent Psychiatric Facility/Behavioral Health Services Center
Santa Clara Valley Medical Center, San Jose, CA
Appendix C: Barrier Attenuation Estimates
Prepared by MIG, Inc. April 2021

SHEET 1: MOORPARK STAGING AREA BARRIER ATTENUATION

Noise Source:	Moorpark Staging Area Construction Equipment Noise								
Source Noise Level:	R1=	62.9	R3=	65.5	R7=	65.7	R8=	67.7	dBa Lmax
Receptor Noise Level:	R1=	57.7	R3=	56.2	R7=	62.5	R8=	62.5	dBa Leq
Noise Reduction Level:	R1=	NA	R3=	9.3	R7=	3.2	R8=	5.2	dBa Lmax
Source Frequency:	500 Hertz								
Source Grade:	144.0	Feet			Source Height:	150.0	Feet		
Receiver Grade:	R1=	144.0	R3=	145.0	R7=	142.0	R8=	140.0	Feet
Receiver Elevation:	R1=	149.0	R3=	150.0	R7=	147.0	R8=	145.0	Feet
Barrier Height:		6.0	or	8.0	or	10.0	or	12.0	Feet

* Note: R3 Staging Area noise levels were increased from 63.0 to 65.5 due to closer equipment operating assumption (485 feet vs. 650 feet)

Receptor	Preliminary Barrier Insertion Loss Estimate			
	6-Foot Barrier	8-Foot Barrier	10-Foot Barrier	12-Foot Barrier
R1 (Main Hospital)	5.0	NA	NA	NA
R3 (Empey Way)	5.0	5.9	8.0	10.3
R7 (Moorpark Ave)	5.1	NA	NA	NA
R8 (Moorpark Ave)	5.4	NA	NA	NA

Receptor	A	B	C	D	D1	D2	H1	H2
R1 (Main Hospital)	35.00	270.00	305.00	305	35	270	1.0	1.0
R3 (Empey Way)	35.00	505.00	540.00	540	35	505	0.0	0.0
R7 (Moorpark Ave)	35.00	195.02	230.02	230	35	195	3.0	3.0
R8 (Moorpark Ave)	172.00	208.06	380.03	380	172	208	5.0	5.0

Receptor	δ (Feet)	λ (Feet)	N ₀	Insertion Loss (dB)
R1 (Main Hospital)	0.00	2.30	0.0002	5.0
R3 (Empey Way)	0.00	2.30	6E-09	5.0
R7 (Moorpark Ave)	0.00	2.30	0.0031	5.1
R8 (Moorpark Ave)	0.03	2.30	0.0236	5.4

Child & Adolescent Psychiatric Facility/Behavioral Health Services Center
 Santa Clara Valley Medical Center, San Jose, CA
Appendix C: Barrier Attenuation Estimates
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Receptor	A	B	C	D	D1	D2	H1	H2
R1 (Main Hospital)	35.06	270.02	305.00	305	35	270	1.0	3.0
R3 (Empey Way)	35.06	505.00	540.00	540	35	505	0.0	2.0
R7 (Moorpark Ave)	35.06	195.06	230.02	230	35	195	3.0	5.0
R8 (Moorpark Ave)	172.01	208.12	380.03	380	172	208	5.0	7.0

Receptor	δ (Feet)	λ (Feet)	N_0	Insertion Loss (dB)
R1 (Main Hospital)	0.07	2.30	0.0627	6.0
R3 (Empey Way)	0.06	2.30	0.0531	5.9
R7 (Moorpark Ave)	0.10	2.30	0.0884	6.4
R8 (Moorpark Ave)	0.10	2.30	0.0839	6.4

Receptor	A	B	C	D	D1	D2	H1	H2
R1 (Main Hospital)	35.23	270.05	305.00	305	35	270	1.0	5.0
R3 (Empey Way)	35.23	505.02	540.00	540	35	505	0.0	4.0
R7 (Moorpark Ave)	35.23	195.13	230.02	230	35	195	3.0	7.0
R8 (Moorpark Ave)	172.05	208.19	380.03	380	172	208	5.0	9.0

Receptor	δ (Feet)	λ (Feet)	N_0	Insertion Loss (dB)
R1 (Main Hospital)	0.27	2.30	0.2369	8.2
R3 (Empey Way)	0.24	2.30	0.2118	8.0
R7 (Moorpark Ave)	0.33	2.30	0.2903	8.8
R8 (Moorpark Ave)	0.21	2.30	0.1811	7.6

Receptor	A	B	C	D	D1	D2	H1	H2
R1 (Main Hospital)	35.51	270.09	305.00	305	35	270	1.0	7.0
R3 (Empey Way)	35.51	505.04	540.00	540	35	505	0.0	6.0
R7 (Moorpark Ave)	35.51	195.21	230.02	230	35	195	3.0	9.0
R8 (Moorpark Ave)	172.10	208.29	380.03	380	172	208	5.0	11.0

Receptor	δ (Feet)	λ (Feet)	N_0	Insertion Loss (dB)
R1 (Main Hospital)	0.60	2.30	0.5214	10.6
R3 (Empey Way)	0.55	2.30	0.4749	10.3
R7 (Moorpark Ave)	0.70	2.30	0.6075	11.2
R8 (Moorpark Ave)	0.36	2.30	0.3151	9.0

Child & Adolescent Psychiatric Facility/Behavioral Health Services Center
 Santa Clara Valley Medical Center, San Jose, CA
 Appendix C: Barrier Attenuation Estimates
 Prepared by MIG, Inc. April 2021

SHEET 2: TIMPANY STAGING AREA BARRIER ATTENUATION

Noise Source:	Moorpark Staging Area Construction Equipment Noise									
Source Noise Level:	R1=	63.6	R3=	56.3	R7=	60.4	dBA Lmax			
Receptor Noise Level:	R1=	57.7	R3=	56.2	R7=	62.5	dBA Leq			
Noise Reduction Level:	R1=	NA	R3=	0.1	R7=	NA	dBA Lmax			
Source Frequency:	500 Hertz									
Source Grade:	150.0	Feet			Source Height:	156.0	Feet			
Receiver Grade:	R1=	144.0	R3=	145.0	R7=	142.0				
Receiver Elevation:	R1=	149.0	R3=	150.0	R7=	147.0				
Barrier Height:	6.0		or	8.0		or	10.0		or	12.0 Feet

Receptor	Preliminary Barrier Insertion Loss Estimate			
	6-Foot Barrier	8-Foot Barrier	10-Foot Barrier	12-Foot Barrier
R1 (Main Hospital)	NA	NA	NA	NA
R3 (Empey Way)	5.1	NA	NA	NA
R7 (Moorpark Ave)	NA	NA	NA	NA

Receptor	A	B	C	D	D1	D2	H1	H2
R1 (Main Hospital)	35.00	575.04	610.04	610	35	575	7.0	7.0
R3 (Empey Way)	35.00	415.04	450.04	450	35	415	6.0	6.0
R7 (Moorpark Ave)	35.00	845.05	880.05	880	35	845	9.0	9.0

Receptor	δ (Feet)	λ (Feet)	N ₀	Insertion Loss (dB)
R1 (Main Hospital)	0.00	2.30	0.0021	5.0
R3 (Empey Way)	0.00	2.30	0.0029	5.1
R7 (Moorpark Ave)	0.00	2.30	0.0017	5.0

Child & Adolescent Psychiatric Facility/Behavioral Health Services Center
 Santa Clara Valley Medical Center, San Jose, CA
 Appendix C: Barrier Attenuation Estimates
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Receptor	A	B	C	D	D1	D2	H1	H2
R1 (Main Hospital)	35.06	575.07	610.04	610	35	575	7.0	9.0
R3 (Empey Way)	35.06	415.08	450.04	450	35	415	6.0	8.0
R7 (Moorpark Ave)	35.06	845.07	880.05	880	35	845	9.0	11.0

Receptor	δ (Feet)	λ (Feet)	N_0	Insertion Loss (dB)
R1 (Main Hospital)	0.09	2.30	0.076	6.2
R3 (Empey Way)	0.09	2.30	0.0819	6.3
R7 (Moorpark Ave)	0.08	2.30	0.0719	6.2

Receptor	A	B	C	D	D1	D2	H1	H2
R1 (Main Hospital)	35.23	575.11	610.04	610	35	575	7.0	11.0
R3 (Empey Way)	35.23	415.12	450.04	450	35	415	6.0	10.0
R7 (Moorpark Ave)	35.23	845.10	880.05	880	35	845	9.0	13.0

Receptor	δ (Feet)	λ (Feet)	N_0	Insertion Loss (dB)
R1 (Main Hospital)	0.29	2.30	0.2547	8.4
R3 (Empey Way)	0.31	2.30	0.268	8.6
R7 (Moorpark Ave)	0.28	2.30	0.245	8.3

Receptor	A	B	C	D	D1	D2	H1	H2
R1 (Main Hospital)	35.51	575.15	610.04	610	35	575	7.0	13.0
R3 (Empey Way)	35.51	415.17	450.04	450	35	415	6.0	12.0
R7 (Moorpark Ave)	35.51	845.13	880.05	880	35	845	9.0	15.0

Receptor	δ (Feet)	λ (Feet)	N_0	Insertion Loss (dB)
R1 (Main Hospital)	0.62	2.30	0.5368	10.7
R3 (Empey Way)	0.64	2.30	0.5599	10.9
R7 (Moorpark Ave)	0.60	2.30	0.5197	10.6

Child & Adolescent Psychiatric Facility/Behavioral Health Services Center
Santa Clara Valley Medical Center, San Jose, CA
Appendix C: Barrier Attenuation Estimates
Prepared by MIG, Inc. April 2021

SHEET 3: BHSC SITE BARRIER ATTENUATION

Table 1: Source/Receiver Information										
Noise Source:	Moorpark Staging Area Construction Equipment Noise									
Source Noise Level:	R1=	73.2	R3=	65.9	R4=	59.2	dBA Lmax			
Receptor Noise Level:	R1=	57.7	R3=	56.2	R4=	56.2	dBA Leq			
Noise Reduction Level:	R1=	NA	R3=	9.7	R4=	3.0	dBA Lmax			
Source Frequency:	500 Hertz									
Source Grade:	145.0	Feet				Source Height:	151.0	Feet		
Receiver Grade:	R1=	144.0	R3=	145.0	R4=	153.0	Feet			
Receiver Elevation:	R1=	149.0	R3=	150.0	R4=	158.0	Feet			
Barrier Height:		6.0	or	8.0	or	10.0	or	12.0	Feet	

* Note: R3 distance was erroneously underreported in the IS and is updated to reflect actual distance between BHSC and R3 (420 feet vs. 470 feet)

Table 2: Barrier Insertion Loss Summary				
Receptor	Preliminary Barrier Insertion Loss Estimate			
	6-Foot Barrier	8-Foot Barrier	10-Foot Barrier	12-Foot Barrier
R1 (Main Hospital)	5.0	6.9	NA	NA
R3 (Empey Way)	5.0	6.0	8.1	10.4
R4 (Thornton Way)	5.0	NA	NA	NA

Table 3: Barrier Attenuation (6-Foot High Wall)								
Receptor	A	B	C	D	D1	D2	H1	H2
R1 (Main Hospital)	20.00	160.01	180.01	180	20	160	2.0	2.0
R3 (Empey Way)	35.00	435.00	470.00	470	35	435	1.0	1.0
R4 (Thornton Way)	20.00	890.03	910.03	910	20	890	-7.0	-7.0

Fresnel Number (N₀) and 6-Foot High Barrier Insertion Loss Estimate				
Receptor	δ (Feet)	λ (Feet)	N ₀	Insertion Loss (dB)
R1 (Main Hospital)	0.00	2.30	0.0012	5.0
R3 (Empey Way)	0.00	2.30	7E-05	5.0
R4 (Thornton Way)	0.00	2.30	0.0005	5.0

Child & Adolescent Psychiatric Facility/Behavioral Health Services Center
 Santa Clara Valley Medical Center, San Jose, CA
 Appendix C: Barrier Attenuation Estimates
 Prepared by MIG, Inc. April 2021

Receptor	A	B	C	D	D1	D2	H1	H2
R1 (Main Hospital)	20.10	160.05	180.01	180	20	160	2.0	4.0
R3 (Empey Way)	35.06	435.01	470.00	470	35	435	1.0	3.0
R4 (Thornton Way)	20.10	890.01	910.03	910	20	890	-7.0	-5.0

Receptor	δ (Feet)	λ (Feet)	N_0	Insertion Loss (dB)
R1 (Main Hospital)	0.14	2.30	0.1206	6.9
R3 (Empey Way)	0.07	2.30	0.0577	6.0
R4 (Thornton Way)	0.09	2.30	0.0755	6.2

Receptor	A	B	C	D	D1	D2	H1	H2
R1 (Main Hospital)	20.40	160.11	180.01	180	20	160	2.0	6.0
R3 (Empey Way)	35.23	435.03	470.00	470	35	435	1.0	5.0
R4 (Thornton Way)	20.40	890.01	910.03	910	20	890	-7.0	-3.0

Receptor	δ (Feet)	λ (Feet)	N_0	Insertion Loss (dB)
R1 (Main Hospital)	0.50	2.30	0.4325	10.0
R3 (Empey Way)	0.26	2.30	0.2221	8.1
R4 (Thornton Way)	0.37	2.30	0.3254	9.1

Receptor	A	B	C	D	D1	D2	H1	H2
R1 (Main Hospital)	20.88	160.20	180.01	180	20	160	2.0	8.0
R3 (Empey Way)	35.51	435.06	470.00	470	35	435	1.0	7.0
R4 (Thornton Way)	20.88	890.00	910.03	910	20	890	-7.0	-1.0

Receptor	δ (Feet)	λ (Feet)	N_0	Insertion Loss (dB)
R1 (Main Hospital)	1.07	2.30	0.9299	12.8
R3 (Empey Way)	0.57	2.30	0.4919	10.4
R4 (Thornton Way)	0.85	2.30	0.7428	11.9

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**Attachment 4
EXAMPLE DESIGN PHOTOS AND SCHEMATICS**

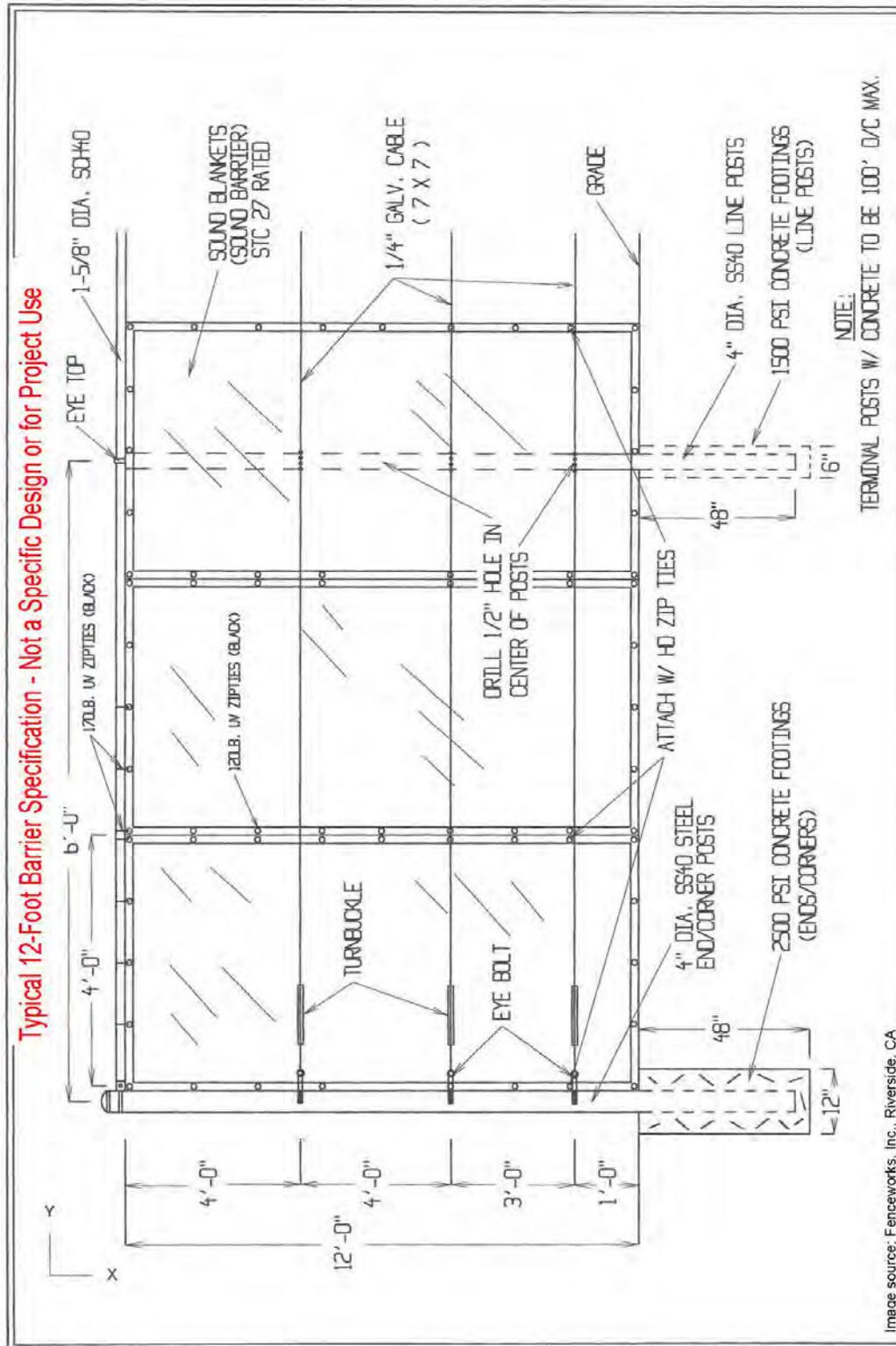
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Typical Temporary Noise Barrier Design Photos



Top: 10-foot-tall barrier consisting of double ¾" plywood affixed to 6 x 6 posts driven into the ground. Bottom: Solid exterior face of the same 10-foot-tall barrier. Image Source: MIG.

Typical Temporary Noise Barrier Design Schematic



Typical design schematic for 12-foot-tall barrier consisting of acoustic blankets/panels. From Southwest Fontana Logistics Center Project Construction Noise Reduction Compliance Plan (MIG, 2018). Image source: Fenceworks, Inc. Riverside, CA.

**Attachment 5
CHRIS DUGAN RESUME**

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Christopher Dugan

Director of Noise, Air Quality, and Greenhouse Gas Services

AREAS OF EXPERTISE

Noise / Air Quality / Greenhouse Gas Impact Analysis

QUALIFICATIONS

Christopher Dugan has 15 years' experience planning, preparing and managing environmental compliance documents required by local, state, and federal regulations, including the California Environmental Quality Act (CEQA), the Clean Air Act, the Occupational Safety and Health Act, and local zoning / general plan requirements. Mr. Dugan has served as CEQA project manager and technical analyst for numerous industrial and municipal development projects and is particularly skilled at communicating technical concepts and impacts to community, decision-maker, and other interested stakeholders.

Mr. Dugan prepares technical environmental analyses, including noise monitoring and noise impact assessments, to support CEQA review, mitigation monitoring, and other compliance needs. He has monitored noise levels from construction equipment, traffic, public events, and stationary equipment and has assessed the compatibility of pre- and post-project noise levels with zoning standards, general plan standards, and general quality of life standards. He has presented noise impact findings to decision-making bodies and worked with community members, project architects, municipal staff, and project proponents to developed mitigation in the form of operating restrictions, sound barriers, and sound power output limits.

Mr. Dugan's technical noise assessments involve the use of the FHWA Traffic Noise Model, the FHWA Roadway Construction Noise Model, and other computer programs that incorporate standard and proprietary acoustical algorithms that aid in the prediction of mobile and stationary source noise levels.

EDUCATION

- Bachelor of Science, Natural Resource Management, Cook College, Rutgers University, New Jersey, 2002.

RELEVANT NOISE IMPACT ANALYSIS EXPERIENCE

- City of Menifee Noise Peer Review Services (numerous projects). *Menifee, California.*
 - Southwest Fontana Logistics Center Construction Noise Reduction Compliance Plan. *Fontana, California.*
 - San Mateo County Government Center Construction Noise Barrier Plan and Noise Monitoring. *Redwood City, California.*
 - Acoustical Analysis for the Chino Hills Mixed Use Project. *Chino Hills, California.*
 - General Drive Industrial Park Operational Noise Analysis. *Jurupa Valley, California.*
 - Pismocean Music Festival Noise Monitoring Technical Memorandum. *Oceano Dunes State Vehicular Recreation Area, Oceano, California.*
 - Half Moon Bay Building and Garden Concrete Batch Plant Replacement Project EIR Noise Impact Analysis. *Half Moon Bay, California.*
 - South 115 kV Transmission Line and Substation Project EIR Noise Impact Analysis. *Merced County, California.*
 - Guadalupe Landfill Gas to Energy Facility Relocation Project EIR Peer Review and Noise Impact Analysis. *San Jose, California.*
 - Redwood Landfill and Recycling Center Use Permit Noise Monitoring. *Novato, California.*
 - Carlmont High School Usher Fields Lights Project IS/MND. *Carlmont, California.*
 - Nevis Geothermal Development Project Environmental Assessment Noise Impact Analysis. *Island of Nevis, Caribbean.*
 - 7-Eleven Project Noise and Vibration Technical Memorandum. *Lakewood, California.*
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ATTACHMENT 2

Notice of Completion

Notice of Intent

Newspaper Notice

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Notice of Completion & Environmental Document Transmittal

Mail to: State Clearinghouse, P.O. Box 3044, Sacramento, CA 95812-3044 (916) 445-0613
 For Hand Delivery/Street Address: 1400 Tenth Street, Sacramento, CA 95814

SCH #

Project Title: Santa Clara Valley Medical Center Child & Adolescent Psychiatric Facility / BHSC Center
Lead Agency: County of Santa Clara, Facilities and Fleet Department **Contact Person:** Emily Chen, Senior Planner
Mailing Address: 2310 North First Street, Suite 200 **Phone:** (408) 993-4635
City: San Jose **Zip:** 95131 **County:** Santa Clara

Project Location: County: Santa Clara City/Nearest Community: City of San Jose
 Cross Streets: Ginger Lane, Middle Drive, Clove Drive, Enborg Lane Zip Code: 95128
 Longitude/Latitude (degrees, minutes and seconds): 37 ° 18 ' 50.83 " N / 121 ° 56 ' 13.18 " W Total Acres: ~4.86
 Assessor's Parcel No.: 282-04-008, 282-03-016 Section: _____ Twp.: _____ Range: _____ Base: _____
 Within 2 Miles: State Hwy #: I-280, CA-17, I-880 Waterways: Los Gatos Creek
 Airports: Norman Mineta San Jose International Railways: Santa Clara Valley Transit Authority Schools: San Jose City College, Chandler Tripp School, Campbell

Document Type:
 CEQA: NOP Draft EIR NEPA: NOI Other: Joint Document
 Early Cons Supplement/Subsequent EIR EA Final Document
 Neg Dec (Prior SCH No.) _____ Draft EIS Other: _____
 Mit Neg Dec Other: _____

Local Action Type:
 General Plan Update Specific Plan Rezone Annexation
 General Plan Amendment Master Plan Prezone Redevelopment
 General Plan Element Planned Unit Development Use Permit Coastal Permit
 Community Plan Site Plan Land Division (Subdivision, etc.) Other: _____

Development Type:
 Residential: Units _____ Acres _____ Transportation: Type _____
 Office: Sq.ft. _____ Acres _____ Employees _____ Mining: Mineral _____
 Commercial: Sq.ft. _____ Acres _____ Employees _____ Power: Type _____ MW _____
 Industrial: Sq.ft. _____ Acres _____ Employees _____ Waste Treatment: Type _____ MGD _____
 Educational: _____ Hazardous Waste: Type _____
 Recreational: _____ Other: Medical Facility and New Parking Structure/Lot
 Water Facilities: Type _____ MGD _____

Project Issues Discussed in Document:
 Aesthetic/Visual Fiscal Recreation/Parks Vegetation
 Agricultural Land Flood Plain/Flooding Schools/Universities Water Quality
 Air Quality Forest Land/Fire Hazard Septic Systems Water Supply/Groundwater
 Archeological/Historical Geologic/Seismic Sewer Capacity Wetland/Riparian
 Biological Resources Minerals Soil Erosion/Compaction/Grading Growth Inducement
 Coastal Zone Noise Solid Waste Land Use
 Drainage/Absorption Population/Housing Balance Toxic/Hazardous Cumulative Effects
 Economic/Jobs Public Services/Facilities Traffic/Circulation Other: Tribal Cultural Resources

Present Land Use/Zoning/General Plan Designation:
Santa Clara Valley Medical Center Child & Adolescent Psychiatric Facility / BHSC Center

Project Description: *(please use a separate page if necessary)*

The County is proposing the construction and operation of a new BHSC that will serve as a mental health inpatient/outpatient building. The BHSC will replace and consolidate existing mental health services on the SCVMC campus that are currently located in three separate buildings into one facility. Overall, the project is comprised of a 77 bed BHSC, an underground pedestrian tunnel connection to an existing tunnel system that goes from the Receiving and Support Center (RSC) to the main hospital, a skybridge connection to the Main Hospital Emergency Department, and a new 714 car parking structure. New services provided will expand the current adult mental health service programs will increase the current bed count from 50 to 77 beds. The new BHSC facility will be supported by an approximate 400-person staff that will work in three rotating 82-90 person shifts. The project will require utility improvements (water, sanitary sewer, storm drain) to existing utility pipelines in the surrounding streets. Construction of the BHSC requires the removal of an existing two-story, 431-space parking structure. A new 714 car parking structure will be constructed on a site that is occupied by a vacant building that formerly housed the Sam Della Maggiore School which will be demolished. The project would include new landscaping features on both building sites. New trees will be planted along Turner Drive, Middle Drive, and Ginger Lane. The project also includes the demolition of the Don Lowe Pavilion which is currently used for mental health services. This building will be demolished once the new BHSC is open for use. The site of the Don Lowe Pavilion would then be used for a surface parking lot for the foreseeable future.

Reviewing Agencies Checklist

Lead Agencies may recommend State Clearinghouse distribution by marking agencies below with an "X".
If you have already sent your document to the agency please denote that with an "S".

<input checked="" type="checkbox"/> Air Resources Board	<input type="checkbox"/> Office of Historic Preservation
<input type="checkbox"/> Boating & Waterways, Department of	<input type="checkbox"/> Office of Public School Construction
<input type="checkbox"/> California Emergency Management Agency	<input type="checkbox"/> Parks & Recreation, Department of
<input type="checkbox"/> California Highway Patrol	<input type="checkbox"/> Pesticide Regulation, Department of
<input type="checkbox"/> Caltrans District # _____	<input type="checkbox"/> Public Utilities Commission
<input type="checkbox"/> Caltrans Division of Aeronautics	<input checked="" type="checkbox"/> Regional WQCB # <u>2</u>
<input type="checkbox"/> Caltrans Planning	<input type="checkbox"/> Resources Agency
<input type="checkbox"/> Central Valley Flood Protection Board	<input type="checkbox"/> Resources Recycling and Recovery, Department of
<input type="checkbox"/> Coachella Valley Mtns. Conservancy	<input type="checkbox"/> S.F. Bay Conservation & Development Comm.
<input type="checkbox"/> Coastal Commission	<input type="checkbox"/> San Gabriel & Lower L.A. Rivers & Mtns. Conservancy
<input type="checkbox"/> Colorado River Board	<input type="checkbox"/> San Joaquin River Conservancy
<input type="checkbox"/> Conservation, Department of	<input type="checkbox"/> Santa Monica Mtns. Conservancy
<input type="checkbox"/> Corrections, Department of	<input type="checkbox"/> State Lands Commission
<input type="checkbox"/> Delta Protection Commission	<input type="checkbox"/> SWRCB: Clean Water Grants
<input type="checkbox"/> Education, Department of	<input type="checkbox"/> SWRCB: Water Quality
<input type="checkbox"/> Energy Commission	<input type="checkbox"/> SWRCB: Water Rights
<input checked="" type="checkbox"/> Fish & Game Region # <u>3</u>	<input type="checkbox"/> Tahoe Regional Planning Agency
<input type="checkbox"/> Food & Agriculture, Department of	<input type="checkbox"/> Toxic Substances Control, Department of
<input type="checkbox"/> Forestry and Fire Protection, Department of	<input type="checkbox"/> Water Resources, Department of
<input type="checkbox"/> General Services, Department of	
<input checked="" type="checkbox"/> Health Services, Department of	<input checked="" type="checkbox"/> Other: <u>Office of Statewide Health and Planning Department (OSHPD)</u>
<input type="checkbox"/> Housing & Community Development	<input type="checkbox"/> Other: _____
<input checked="" type="checkbox"/> Native American Heritage Commission	

Local Public Review Period (to be filled in by lead agency)

Starting Date March 5, 2021 Ending Date April 5, 2021

Lead Agency (Complete if applicable):

Consulting Firm: <u>MIG, Inc.</u>	Applicant: <u>Same as Lead Agency</u>
Address: <u>2635 N. First Street, Suite 149</u>	Address: _____
City/State/Zip: <u>San Jose, CA 95134</u>	City/State/Zip: _____
Contact: <u>Barbara Beard</u>	Phone: _____
Phone: <u>650-327.0429 x558</u>	

Signature of Lead Agency Representative: _____ *Emily Chen* Date: 3/5/2021

Authority cited: Section 21083, Public Resources Code. Reference: Section 21161, Public Resources Code.

County of Santa Clara

Facilities and Fleet Department

County Center at Charcot
 2310 North First Street, Suite 200
 San Jose, California 95131-1011
 (408) 993-4600



Notice of Intent to Adopt a Mitigated Negative Declaration

A notice, pursuant to the California Environmental Quality Act of 1970, as amended (Public Resources Code 21,000, et sec.) that the following project will not have a significant effect on the environment.

Project Name	Project Type	APN(s)	Date
Child & Adolescent Psychiatric Facility/Behavioral Health Services Center (BHSC) Center and Related Activities	Santa Clara Valley Medical Center - Medical Building & Parking	282-04-008, APN 282-03-016	3/5/2021
Person or Agency Carrying Out Project		Address	
County of Santa Clara, Facilities and Fleet Dept.		2310 North First Street, Suite 200, San Jose, CA 95131	
Name of Applicant		Address	Phone Number
County of Santa Clara, Facilities and Fleet Dept.		2310 North First Street, Suite 200, San Jose, CA 95131	(408)885-4335
Project Location			
<p>The project site is located on the Santa Clara Valley Medical Center (SCVMC) campus in San Jose, on a Santa Clara County-owned parcel (APN 282-04-008) bounded by Ginger Lane, Middle Drive, and Turner Drive. The SCVMC campus is located approximately 400 feet south of Interstate 280 and 700 feet east of CA Highway 17. The campus, which covers approximately 75 acres, supports a hospital and related specialty centers, pharmacy, imaging and lab services, and associated parking. The Behavioral Health Service Center (BHSC) and new project parking structure sites will occupy approximately 4.14 acres of the northern/western portion of the campus. A new surface parking lot will replace the existing Don Lowe Pavilion which currently occupies approximately 0.72 acres of the southern portion of the campus. The BHSC project site is bordered to the south by the Receiving and Support Center (RSC), main hospital and women and children's center to the east across Turner Drive, employee parking structure (PS2) to the north, and school and office uses to the west.</p> <p>The proposed new parking structure will be constructed on County-owned land directly to the southwest of the BHSC at 2300 Clove Drive (APN 282-03-016), the location of the former Sam Della Maggiore School. This site is bounded by Clove Drive on the south, Ginger Lane to the east, the Timpany Center to the north, and the Chandler Tripp School to the west.</p> <p>The Don Lowe Pavilion which will be demolished upon completion of the new BHSC is bordered by Enborg Lane to the south, Enborg Court to the east, Bradley Avenue to the west, and SCVMC campus buildings to the north.</p> <p>The project site is not on a list of hazardous material sites as described by Government Code 65962.5 (Cortese List).</p>			

Project Description

The County is proposing the construction and operation of a new BHSC that will serve as a mental health inpatient/outpatient building. The BHSC will replace and consolidate existing mental health services on the SCVMC campus that are currently located in three separate buildings into one facility. The newly expanded services will serve the behavioral health needs for Santa Clara County and the surrounding communities.

Overall, the project is comprised of a 77 bed BHSC, an underground pedestrian tunnel connection to an existing tunnel system that goes from the Receiving and Support Center (RSC) to the main hospital, a skybridge connection to the Main Hospital Emergency Department, and a new 714 car parking structure. New services provided will expand the current adult mental health service programs to include outpatient and inpatient services for child and adolescent populations and increase the bed count from 50 to 77 beds. The new BHSC facility will be supported by an approximate 400-person staff that will work in three rotating 82-90 person shifts. The project will require utility improvements (water, sanitary sewer, storm drain) to existing utility pipelines in the surrounding streets. The goal for the project is to complete construction and achieve occupancy by October of 2023.

Construction of the BHSC requires the removal of an existing two-story, 431-space parking structure referred to as Parking Structure #3 (PS3). To replace this lost parking and add parking to serve the new BHSC, a new 714 car parking structure will be constructed on a site that is occupied by a vacant building that formerly housed the Sam Della Maggiore School which will be demolished to construct the new parking structure. The project would include new landscaping features on both building sites. New trees will be planted along Turner Drive, Middle Drive, and Ginger Lane. The BHSC landscaping plan would also include new gardens, artificial turf, lounge areas, and recreation yards on each level of the building.

The project also includes the demolition of the Don Lowe Pavilion which is currently used for mental health services. This building will be demolished once the new BHSC is open for use. The site of the Don Lowe Pavilion would then be used for a surface parking lot for the foreseeable future.

Purpose of Notice

The purpose of this notice is to inform you that the County Facilities & Fleet Staff has recommended that a Mitigated Negative Declaration be approved for this project. Based upon substantial evidence in the record, the County **finds that, although the proposed project could have a significant effect on the environment, changes or alterations have been incorporated into the project to avoid or reduce impacts to a point where there will be no significant effect on the environment.**

A public hearing for the proposed project is tentatively scheduled for the Board of Supervisors meeting on May 4, 2021 in the Board of Supervisors Chambers; County Government Center, 70 W. Hedding Street, San Jose, CA 95110. Due to the Covid-19 pandemic, this meeting may be held virtually. Please check the following website for instructions regarding this meeting:

<https://www.sccgov.org/sites/bos/Pages/Meetings.aspx>

Public Review Period Begins: March 5, 2021

Public Review Period Ends: April 4, 2021

Public Comments regarding the correctness, completeness, or adequacy of this Mitigated Negative Declaration are invited and must be received on or before the above date. Such comments should be based on specific environmental concerns. Written comments should be addressed to the attention of Emily Chen and emailed to Emily.F.Chen@faf.sccgov.org, or mailed or delivered to the **County of Santa, Facilities & Fleet Department, 2310 North First Street, Suite 200, San Jose, CA 95131, Tel: (408) 993-4635**. A file containing additional information on this project may be reviewed at [or online at <https://www.sccgov.org/sites/faf/capital-projects/Pages/home.aspx>, select Behavioral Health Services Center. For additional information regarding this project and the Mitigated Negative Declaration, please contact Emily Chen at (408) 993-4635 or Emily.F.Chen@faf.sccgov.org.

The Mitigated Negative Declaration and Initial Study may be viewed at the following locations:

- (1) County of Santa Clara Facilities and Fleet Office, 2310 North First Street, Suite 200, San Jose, CA 95131
- (2) County of Santa Clara Facilities and Fleet Capital Projects Website, <https://www.sccgov.org/sites/faf/capital-projects/Pages/home.aspx>, select Behavioral Health Services Center
- (3) County of Santa Clara Behavioral Health Services Center Website: <https://www.sccgov.org/sites/faf/capital-projects/BHSC/Pages/home.aspx>

Responsible Agencies sent a copy of this document

Bay Area Air Quality Management District
 City of San Jose
 Santa Clara Valley Water District
 California Office of Statewide Health Planning and Development

The County will provide this Initial Study to the State Clearinghouse for distribution to state agencies for review and comment. The public review period shall not be less than 30 days.

Mitigation Measures included in the project to reduce potentially significant impacts to a less than significant level:

See below.

A reporting or monitoring program must be adopted for measures to mitigate significant impacts at the time the Mitigated Negative Declaration is approved, in accord with the requirements of section 21081.6 of the Public Resources Code.

<p>Prepared by: Emily Chen, Senior Planner</p>	<p>DocuSigned by:  AC7F06B005B145A... Signature</p>	<p>3/5/2021</p> <p>Date</p>
<p>Approved by: David Barry, Chief of Facilities Planning Services</p>	<p>DocuSigned by:  3BAF4E94F4734D2... Signature</p>	<p>3/5/2021</p> <p>Date</p>

MITIGATION MEASURES:

BIOLOGY

Impact BIO-1: The proposed project could impact nesting birds protected under the Migratory Bird Treaty Act (MBTA) and California Fish and Game Code. Birds could nest in the vacant building or in trees or shrubs bordering the site.

Mitigation Measure BIO-1A: Pre-Construction/Pre-Disturbance Survey for Nesting Birds. To the extent feasible, construction activities shall be scheduled to avoid the nesting season. If construction activities are scheduled to take place outside of the nesting season, all impacts to nesting birds protected under the MBTA and California Fish and Game code would be avoided. The nesting season for this project extends from February 1 through August 31.

If it is not possible to schedule construction activities between September 1 and January 31, then a preconstruction survey for nesting birds will be conducted by a qualified biologist to ensure that nesting will not be disrupted during project implementation, including the removal of street trees. A qualified biologist is a biologist with experience in nesting bird surveys, and who is familiar with bird species present in the project area. This survey will be conducted no more than five days prior to the initiation of any site disturbance activities and equipment mobilization. If Project activities are delayed by more than five days, an additional nesting bird survey will be performed. During the survey, the biologist will inspect the vacant building and all trees and shrubs in and immediately adjacent to the impact area, for nests. Active nesting is present if a bird is building a nest, sitting in a nest, a nest has eggs or chicks in it, or adults are observed carrying food to the nest. The results of the survey will be documented.

If active nests are observed within the Project site or immediately adjacent to the impact area, **Mitigation Measure BIO-1B** shall apply.

Mitigation Measure BIO-1B: Active Nests. If an active nest is found sufficiently close to work areas to be disturbed by these activities, the biologist will determine the extent of a construction-free buffer zone to be established around the nest, to ensure that active nesting protected by the MBTA and California Fish and Game Code will not be disturbed during construction. Within the buffer zone, no site disturbance and mobilization of heavy equipment, including but not limited to equipment staging, fence installation, demolition, and grading will be permitted until the chicks have fledged. Monitoring will be required to ensure compliance with MBTA and relevant California Fish and Game Code requirements. Monitoring dates and findings will be documented.

Impact BIO-2: The proposed project has the potential to impact bats protected by California Fish and Game code that are roosting in the buildings that will be demolished or possibly in the street trees that will be removed. Although unlikely, this could include special-status bats listed under the federal or California Endangered Species Acts or listed as a California species of special concern.

Mitigation Measure BIO-2A: Pre-Construction Survey for Roosting Bats. A survey of the parking structure, the Sam Della Maggiore building, the Don Lowe Pavilion, and any trees with cavities, cervices or peeling bark within 50 feet of the project site will be conducted by a qualified biologist no less than 30 days before the start of construction-related activities (including but not limited to mobilization and staging, clearing, grubbing, tree removal, vegetation removal, fence installation, demolition, and grading). A qualified biologist is a biologist with experience in day and night surveys for roosting bats, bat ecology, and bat species present in the project area. If construction activities are delayed by more than 30 days, an additional bat survey will be performed.

The survey may be conducted at any time of year but shall be conducted in such a way to allow sufficient time to determine if special-status bats or maternity colonies are present on the site, provide replacement habitat (if required), and exclude bats during the appropriate time of year (e.g. outside the maternity season from March 1 to August 31). The results of the survey will be documented.

If no signs of bats are detected during the habitat suitability survey, no further surveys are warranted. If signs of bat occupancy (e.g., guano pellets or urine staining) are detected, **Mitigation Measure BIO-2B** shall apply.

Mitigation Measure BIO-2B: If an occupied maternity or colony roost is detected or evidence of bat occupancy is found, the California Department of Fish and Wildlife will be consulted to determine the appropriate mitigation measures, which may include exclusion prior to removal if the roost cannot be avoided, a buffer zone, seasonal restrictions on construction work, construction noise reduction measures, and construction of an alternate roost structure.

Impact BIO-3: The project would remove eight trees protected by the County's Tree Preservation Ordinance. Additionally, other trees not meant for removal could be harmed by ground disturbing activities within the trees' root zone thereby compromising the health of trees to be preserved/maintained on site.

Mitigation Measure BIO-3: In compliance with the County ordinance, the following measures from the Guidelines for Tree Preservation for Land Use Applications shall be implemented.

Pre-construction:

- An arborist shall review final grading/demolition/construction plans and make recommendations regarding preservation of all trees potentially impacted by the proposed project which are designated for preservation.
- If the Arborist concludes, with concurrence from the Planning Department, that the proposed improvements would result in damage and subsequent irreversible loss of additional trees on site, replacement mitigation shall be required.
- Final grading/construction plans shall clearly identify the size and species of all trees proposed for removal, consistent with the Arborist plan review report. For each tree designated for removal, replacement shall occur at the replacement ratios required consistent with the County Code (see Replacement of Trees, below).

Tree Protection

Fencing

- All trees to be retained shall be protected with chain link fencing or other rigid fence enclosure acceptable to the Planning Department. Fenced enclosures for trees to be protected shall be erected at the dripline of trees or as established by the Arborist to establish the Tree Protective Zone (TPZ) in which no soil disturbance is permitted and activities are restricted.
- All trees to be preserved shall be protected with minimum five-foot high fences. Fences are to be mounted on two-inch diameter galvanized iron posts, driven into the ground to a depth of at least two feet, at no more than 10-foot spacing (see detail available at www.scplanning.org). This detail shall appear on grading, demolition, and building plans.
- Tree fencing shall be erected before any demolition, grading or construction begins and remain in place until the Final Inspection.

Warning Signs

- A warning sign shall be prominently displayed on each tree protective fence per the requirements of development pursuant to the Santa Clara County Planning Department. The signs are available at the Planning and Building Inspection Departments or at www.scpplanning.org.

Irrigation Program

- Irrigate the soil within the TPZ during the dry season as specified by the Project Arborist.

Dust Control Program

- During periods of extended drought, or grading, spray trunk, limbs and foliage to remove accumulated construction dust.

Soil Compaction Damage/ Mulching

- Compaction of the soil causes a significant impact to trees during construction. If compaction to the upper 12 inches of soil within the TPZ has occurred or is proposed, then one or more of the following mitigation measures shall be implemented as recommended by the Arborist or the County Planning Department.
 - Four-inches of chip bark mulching shall be placed on top of the TPZ and enclosed with the tree protective fencing as prescribed in the County protective fencing measures.
 - If compaction of the root system, may result in possible suffocation of the root system, a soil aeration system shall be installed as designed and specified by an Arborist.
 - Paving/Hardscape and other soil compacting material that encroaches within the TPZ, should include an aeration system designed by an Arborist.

During Construction

- All tree protection measures as recommended by a certified Arborist shall be shown on the final grading/construction or landscape plans and adhered to during construction. The Arborist shall monitor construction activity to ensure that the tree protection measures are implemented, and submit a Construction Observation Letter to the Planning Department for approval, prior to final inspection, summarizing the results of the monitoring activity and resulting health of trees designated for preservation on-site.

Post-Construction Monitoring

- The following may be required based on project specific circumstances: An Arborist shall submit to the Planning Department two copies of a monitoring report annually from the date of final inspection. The report shall show compliance with the tree protection conditions of approval and verification that all trees are in good health.

Replacement of Trees

- The following guidelines shall be imposed as conditions when a proposed development entails removal of trees or may significantly impact the health and vigor of trees within the development area of the proposed project.
 - All healthy native trees 12 inches in diameter or more (at 4.5 feet above the ground) proposed for removal shall be replaced.
 - Replacement trees should be native and like for like.
 - Oak trees shall be replaced with oak trees (no exceptions taken).

- No tree removal shall be permitted until such grading or building permit has been issued by the County as indicated on approved plans. The number of trees cut may not exceed the minimum number necessary to carry out the permitted action. Additional conditions may need to be established for scheduled arborist reports, and stipulations on replanting replacement trees in the case that the original replacement trees die.

CULTURAL RESOURCES

Impact CUL-1: Project construction could encounter graves (human remains) and other archaeological artifacts in the County Infirmary Cemetery associated with the early operation of the County Infirmary.

Mitigation Measure CUL-1: Archaeological Treatment Plan. Prior to any ground disturbing activities associated with the proposed project, the County shall prepare an Archaeological Treatment Plan (ATP) by a qualified archaeologist. The ATP shall include, but not be limited to, the following measures:

Subsurface Exploration. Prior to any ground disturbing activities associated with the proposed project, the County shall complete the Ground Penetrating Radar (GPR) survey currently underway. If any potential graves or human remains are identified, the excavation and removal of the graves/remains shall be done according to the Archaeological Treatment Plan (ATP) prepared by a qualified archaeologist.

Construction Document Notification. The ATP shall specify the requirements for the County to place notification on any construction drawings or plans that relate to ground disturbance that there is potential for exposing unknown, buried cultural resources.

Notification and Training Regarding Potential Archaeological Resources. The ATP shall specify procedures for construction worker training by a qualified Archaeologist. Training should be provided to all personnel working on earthmoving activities in the vicinity of the mapped boundaries of the County Infirmary Cemetery to alert them to the possibility of exposing significant archaeological resources and human remains. The briefing shall describe the types of archaeological objects that could be exposed, the need to stop excavation at the discovery, and the procedures to follow regarding discovery protection and notification of the project proponent and archaeologist. A record of the training(s) shall be provided to the County.

Archaeological Monitor. The ATP shall specify when full-time archaeological monitor(s) shall be present on site for all ground disturbing and excavation activities taking place within the project area. The archaeological monitor(s) shall have the authority to stop work should archaeological resources be discovered.

Evaluation of Discoveries. The ATP shall specify that in the event that archaeological materials are exposed or discovered during subsurface activities, activities within 50 feet of the find shall stop, and a Professional Archaeologist who meets the Secretary of the Interior's standards shall conduct an evaluation of the discovery and make further recommendations. The archaeologist shall review and evaluate any discoveries to determine if they are historical resource(s) under CEQA and/or unique archaeological resources. If the Professional Archaeologist determines that any cultural resources constitute a significant archaeological resource, he/she shall notify the County's construction manager, County project management staff, and the County Planning Department of the evaluation and recommended measures for handling the find. If a discovery is determined to be a significant archaeological resource, and if avoidance of the resource is not possible, the Professional Archaeologist shall prepare and assist in the implementation of a Cultural Resources Management Plan, which must be reviewed and approved of by the County Planning Department, for appropriate treatment of the resource. Potential recommendations could include evaluation, collection, recordation, and analysis of any significant archaeological

materials. Treatment of any significant archaeological resources shall be undertaken in accordance with the Cultural Resources Management Plan and approved by the Professional Archaeologist.

Discovery and Treatment of Human Remains. The ATP shall specify that if human remains are discovered during construction, CEQA Guidelines 15064.5(e)(1) and the shall be followed, as described below:

In the event of the accidental discovery of any human remains, the following steps shall be taken:

1) There shall be no further excavation or disturbance of the site or any nearby area reasonably suspected to overlie adjacent human remains until:

a) As required by County Ordinance No. B6-18, the County Coroner shall be notified immediately; and

b) If the coroner determines the remains to be Native American:

1. Upon determination by the County Coroner that the remains are Native American, the coroner shall contact the California Native American Heritage Commission within 24 hours, pursuant to subdivision (c) of section 7050.5 of the Health and Safety Code and the County Coordinator of Indian affairs.
2. The Native American Heritage Commission shall identify the person or persons it believes to be the most likely descended from the deceased Native American;
3. The most likely descendent may make recommendations to the County or the person responsible for the excavation work, for means of treating or disposing of, with appropriate dignity, the human remains and any associated grave goods as provided in Public Resources Code Section 5097.98.

2) Where the following conditions occur, the landowner or his authorized representative shall rebury the Native American human remains and associated grave goods with appropriate dignity on the property in a location not subject to further subsurface disturbance.

4. The Native American Heritage Commission is unable to identify a most likely descendent or the most likely descendent failed to make a recommendation within 48 hours after being notified by the Commission;
5. The descendant identified fails to make a recommendation; or
6. The landowner or his authorized representative rejects the recommendation of the descendant, and the mediation by the Native American Heritage Commission fails to provide measures acceptable to the landowner.

In addition, as required by the Santa Clara County Superior Court Order Granting Petition for Permission to Remove and Cremate Remains issued May 18, 2012 (Case No. 112-PR-170569), if human remains are determined to be associated with the County Infirmary Cemetery, the remains shall not be moved until a written determination by the SCVMC Director of Facilities that construction of the facility requires removal of the remains has been acquired by the County and/or its contractor. The ATP shall include treatment for human remains discovered similar to the treatment of remains previously exhumed, using the same or similar methodology, and curation methods.

GEOLOGY

Impact GEO-1: Project construction, particularly excavation of the BHSC basement, could unearth paleontological resources, including fossils.

Mitigation Measure GEO-1: Paleontological Resources. If paleontological resources are discovered during construction, ground-disturbing activities shall halt immediately until a qualified paleontologist can assess the significance of the discovery. Depending on determinations made by the paleontologist, work may either be allowed to continue once the discovery has been recorded, or if recommended by the paleontologist, recovery of the resource may be required, in which ground-disturbing activity within the area of the find would be temporarily halted until the resource has been recovered. If treatment and salvage is required, recommendations shall be consistent with Society of Vertebrate Paleontology guidelines and current professional standards.

The County will ensure that information on the nature, location, and depth of all finds is readily available to the scientific community through university curation or other appropriate means.

HAZARDS & HAZARDOUS MATERIALS

Impact HAZ-1: Building demolition carried out by the project could release asbestos containing materials and lead based paint and other hazardous building materials into the environment.

Mitigation Measure HAZ-1: Materials Testing and Develop Demolition Debris Management Plan.

Materials Testing: Prior to demolition of the existing PS3, the former Sam Della Maggiore School building, and the Don Lowe Pavilion building, the County or its Contractor shall: (1) survey the existing on-site structures for the presence of asbestos containing and lead-based paint materials (to be conducted by an OSHA-certified inspector); and (2) if building elements are identified with asbestos containing materials, prepare a written Asbestos Abatement Plan describing activities and procedures for removal, handling, and disposal of these building elements using EPA- and/or OSHA- approved procedures, work practices, and engineering controls. If lead-based paint is present the paint materials shall be removed and disposed of following lead abatement performance standards included in the U.S. Department of Housing and Urban Development Guidelines for Evaluation and control of Lead-Based Paint program, a lead compliance plan, provisions to protect worker safety and health in compliance with title 8 California Code of Regulations (including Section 1532.1), and provisions for the proper handling and disposal of debris with all applicable Federal, State, and local hazardous waste laws

Demolition Debris Management Plan: The County or its Contractor shall develop and implement a demolition debris management and disposal plan for the non-Resource Conservation and Recovery Act hazardous materials that are to be removed from the project site. The plan must be designed to prevent releases of hazardous materials in quantities that could pose a risk to human health and the environment, as determined using appropriate BAAQMD, RWQCB, Department of Toxic Substance Control (DTSC), and/or other appropriate agency screening thresholds.

The plan must identify the receiving qualified landfill and present proof of waste acceptance. The plan must also specify measures to minimize airborne dust during building deconstruction and soil movement to protect construction workers and neighboring residents from exposure to hazardous material emissions. The plan must address protection of worker exposure to airborne lead paint particulates through use of personal protective gear, clear identification of the location of hazardous materials, and removal by properly trained/certified workers, and proper cover and transport of hazardous materials, etc. Compliance with state and federal requirements and implementation of the debris management and disposal plan would ensure the project has a less than significant impact related to hazardous materials. The implementation of a demolition debris management plan reduces this impact is less than significant.

NOISE

Impact NOI-1: Double-shift construction work associated with the proposed project would involve construction work during the evening and nighttime hours that could exceed the levels permitted under County Ordinance Code Section B11-154(b)(6)(b).

Mitigation Measure NOI-1: To reduce potential noise levels associated with construction activities at the proposed Behavioral Health Center site and staging areas, the County and/or its designated contractors, contractor's representatives, or other appropriate personnel shall conduct the following activities, and adhere to and implement the following measures:

- *1.1 Prepare a Supplemental Noise Study and Establish Performance Standard for Sound Barriers.* The County shall conduct a supplemental noise study that documents the ambient noise environment (including the evening and nighttime noise environment) at sensitive receptor locations near project construction and staging areas. This study shall measure ambient noise levels over a minimum three-day period that includes at least one weekend night and, if measured ambient noise levels (on an hourly Leq basis) exceed the County's nighttime noise standards specified in County Ordinance Code Section B-11-154(b)(6)(b), the study may be used to show it is technically infeasible to meet the County's nighttime noise standards. The supplemental noise study shall set forth the required performance standard and design specifications for the temporary sound barriers, such that construction noise levels associated with the project meet the higher of the ambient noise monitoring results or the standards identified in County Ordinance Code Section B-11-154(b)(6)(b). Based on the difference between estimated construction noise levels and the standards contained in County Ordinance Code Section B-11-154(b)(6)(b), the performance standard could be as high as 16 dB.
- *1.2 Construct/Install Temporary Noise Barriers:* Prior to any construction activities associated with the project that occur between the 7 PM and 7 AM Monday to Saturday, or at any time on Sundays or holidays, the County shall install physical sound barriers around the perimeter of the Behavioral Health Center site and Moorpark Avenue staging area (if used). The specific performance standard and design specifications for the sound barriers shall be presented in the supplemental noise study prepared pursuant to this mitigation measure. Access to the Behavioral Health Center site (e.g., gates) shall be located at the northwest and northeast corners of the site. A construction noise barrier shall be located on the western side of Ginger Lane, across from the Behavioral Health Center site's access point, to inhibit noise from being transmitted directly to residential receptors on Empey Way. The barrier along Ginger Lane shall extend along the northern side of the Timpany Center staging area. Construction noise barriers shall be maintained throughout any and all construction activities involving double-shift construction work at the Behavioral Health Center site. Depending on the results of the supplemental noise study, the noise barriers may consist of the following:
 - 1.2a A concrete, wood, or other barrier installed at-grade (or mounted to structures located at-grade, such as K-Rail) along the project property line. Such a wall/barrier shall contain no gaps in the structure through which noise may pass.
 - 1.2b Commercially available acoustic panels or other products such as acoustic barrier blankets installed along the project property line, building envelope or, if feasible and necessary, at or near sensitive residential receptor areas.
 - 1.2c Any combination of noise barriers and commercial products capable of achieving the performance standard established pursuant to Mitigation Measure NOI-1, part 1.1, to achieve the required reductions in construction noise levels at sensitive receptor locations.

- *1.3 Construction Equipment Care, Siting, and Design Measures.* The following construction equipment care, siting, and design measures shall apply during construction activities:
 - 1.3a Heavy equipment engines shall be covered, and exhaust pipes shall include a muffler in good working condition. Pneumatic tools shall include a noise suppression device on the compressed air exhaust.
 - 1.3b The County shall connect to existing electrical service at the site, where practical, to avoid the use of stationary, diesel- or other alternatively-fueled power generators.
 - 1.3c Refuse collection and bathroom amenities at staging sites shall be located as far from receptor locations as practical and/or where distance, in conjunction with physical barriers, provides the greatest reduction in construction staging noise levels. At the Moorpark Avenue lot, this is on the southern boundary of the site, adjacent to Parking Structure #2. At the T24 parking lot, this is at the southeastern corner of the site.
 - 1.3d No radios shall be operated between 10 PM and 7 AM in a manner that creates a noise disturbance across a property line (County Ordinance Code Section B11-154(b)(1)).
 - 1.3e No loudspeaker, public address systems, or other similar device shall be operated between 10 PM and 7 AM in a manner that creates a noise disturbance across a property line (County Ordinance Code Section B11-154(b)(2)).
 - 1.3f Heavy-duty vehicle storage and start-up areas shall be located as far away from occupied residences where feasible.
 - 1.3g All equipment shall be turned off if not in use for more than five minutes.

- *1.4 Construction Traffic.* Construction truck traffic, including soil hauling, equipment deliveries, concrete deliveries, and other vendor deliveries shall be limited to the hours of 7 AM to 10 PM, Monday through Saturday, consistent with County Ordinance Code Section B11-154(b)(5), and follow designated delivery routes prepared for the project designed to minimize potential noise impacts at nearby sensitive residential receptor locations. These provisions shall be incorporated in the Traffic Control Plan prepared for the project.

TRIBAL CULTURAL RESOURCES

Impact TRI-I: The project construction could impact unknown buried tribal cultural resources.

TRI-1: Implementation of Mitigation Measure CUL-1 would also reduce potentially significant impacts to unknown tribal cultural resources to less than significant.

San Jose Mercury News

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SAN JOSE, CA 95131

PROOF OF PUBLICATION IN THE CITY OF SAN JOSE IN THE STATE OF CALIFORNIA COUNTY OF SANTA CLARA

FILE NO. M.Sifuentes: Child & Adolescent

In the matter of **Psych Facility**
San Jose Mercury News

The undersigned, being first duly sworn, deposes and says: That at all times hereinafter mentioned affiant was and still is a citizen of the United States, over the age of eighteen years, and not a party to or interested in the above entitled proceedings; and was at and during all said times and still is the principal clerk of the printer and publisher of the San Jose Mercury News, a newspaper of general circulation printed and published daily in the City of San Jose, County of Santa Clara, State of California as determined by the court's decree dated June 27, 1952, Case Numbers 84096 and 84097, and that said San Jose Mercury News is and was at all times herein mentioned a newspaper of general circulation as that term is defined by Sections 6000; that at all times said newspaper has been established, printed and published in the said County and State at regular intervals for more than one year preceding the first publication of the notice herein mentioned. Said decree has not been revoked, vacated or set aside.

I declare that the notice, of which the annexed is a true printed copy, has been published in each regular or entire issue of said newspaper and not in any supplement thereof on the following dates, to wit:

03/12/2021

Dated at San Jose, California
March 12, 2021

I declare under penalty of perjury that the foregoing is true and correct.



Principal clerk of the printer and publisher of the San Jose Mercury News

Legal No.

0006559843

Notice of Intent to Adopt a Mitigated Negative Declaration

A notice, pursuant to the California Environmental Quality Act of 1970, as amended (Public Resources Code 21,000, et sec.) that the following project, with incorporation of mitigation measures, will not have a significant effect on the environment.

Project Name

Child & Adolescent Psychiatric Facility/Behavioral Health Services Center (BHSC) Center and Related Activities

Project Type

Santa Clara Valley Medical Center - Medical Building & Parking

Owner / Applicant

County of Santa Clara (County), Facilities and Fleet Dept. (FAF)

Project Location

751 South Bascom Avenue, San Jose on the Santa Clara Valley Medical Center campus (SCVMC)

Project Description

The County is proposing the construction and operation of a new BHSC that will serve as a mental health inpatient/outpatient building. The BHSC will replace and consolidate existing mental health services on the SCVMC campus that are currently located in three separate buildings into one facility. Overall, the project is comprised of a 77 bed BHSC, an underground pedestrian tunnel connection to an existing tunnel system that goes from the Receiving and Support Center (RSC) to the main hospital, a skybridge connection to the Main Hospital Emergency Department, a new 714 car parking structure at the Sam Della Maggiore School site, and a surface parking lot at the Don Lowe Pavilion site. The project would also include the demolition of the vacant Sam Della Maggiore School building and the vacated Don Lowe Pavilion building once the new BHSC is open for use.

Purpose of Notice

The purpose of this notice is to inform you that the County FAF Staff has recommended that a Mitigated Negative Declaration be approved for this project. Based upon substantial evidence in the record, the County finds that, although the proposed project could have a significant effect on the environment, changes or alterations have been incorporated into the project to avoid or reduce impacts to a point where there will be no significant effect on the environment.

A public hearing for the proposed project is tentatively scheduled for the Board of Supervisors meeting on May 4, 2021, County Government Center, 70 W. Hedding Street, San Jose, CA 95110. Due to the Covid-19 pandemic, this meeting may be held virtually, <https://www.sccgov.org/sites/bos/Pages/Meetings.aspx>.

Public Review Period : Begins: March 5, 2021 Ends: April 5, 2021

Public Comments regarding the correctness, completeness, or adequacy of this Mitigated Negative Declaration are invited and must be received on or before the above date. Such comments should be based on specific environmental concerns. Written comments should be addressed, emailed, or delivered to the attention of Emily Chen, Email: Emily.F.Chen@faf.sccgov.org, Address: County of Santa Clara, Facilities & Fleet Dept., 2310 North First Street, Suite 200, San Jose, CA 95131, Tel: (408) 993-4635.

A file containing additional information may be reviewed at the FAF office or online at <https://www.sccgov.org/sites/faf/capital-projects/Pages/home.aspx>. For additional information regarding this project and the Mitigated Negative Declaration, please contact Emily Chen.

The Mitigated Negative Declaration and Initial Study may be viewed at the following locations:

- (1) County of Santa Clara Facilities and Fleet Office, 2310 North First Street, Suite 200, San Jose, CA 95131
- (2) County of Santa Clara Facilities and Fleet Capital Projects Website, <https://www.sccgov.org/sites/faf/capital-projects/Pages/home.aspx>, select Behavioral Health Services Center
- (3) County of Santa Clara Behavioral Health Services Center Website: <https://www.sccgov.org/sites/faf/capital-projects/BHSC/Pages/home.aspx>

SJMN#6559843; March 12, 2021

Attachment 3

Comment Letters Received

Letter A: Email from Santa Clara Valley Water District, dated April 5, 2021

Letter B: Email from Paul Boehm, resident, dated March 19, 2021

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COMMENT LETTER A

From: [Colleen Haggerty](#)
To: [Chen, Emily F](#)
Cc: [Michael Martin](#)
Subject: [EXTERNAL] Child & Adolescent Psychiatric Facility/ (BHSC) Center MND
Date: Monday, April 5, 2021 9:51:24 AM

Emily,

We have reviewed the MND for the Child & Adolescent Psychiatric Facility/ (BHSC) Center and have the following comments:

- A1** 1. Work in Ginger Lane that crosses Valley Water's Central Pipeline and/or is within Valley Water's easement for the pipeline will require a Valley Water permit as per Valley Water's Water Resources Protection Ordinance.
- A2** 2. References to "Santa Clara Valley Flood Control and Water Conservation District" should be changed to Valley Water. Santa Clara Valley Flood Control and Water Conservation District is the old name of our agency.
- A3** 3. Page 53 incorrectly notes "Chinese Pistachio;" it should be "Chinese Pistache", not "pistachio."
- A4** 4. Page 94 notes incorrectly that the site is located within the Santa Clara Basin and Coyote Subbasin. The site is located only within the Santa Clara Subbasin. Please revise the document for accuracy.
- A5** 5. Page 96 incorrectly notes that following Valley Water's 2015 UWMP will prevent storm water quality violations. The UWMP is a water supply document and is not related to protecting storm water quality. Water quality standards should comply with County construction policies and regulations, Storm Water Pollution Prevention Plan (SWPPP), and NPDES. Please revise the document for accuracy.
- A6** 6. On page 150 the statement regarding the UWMP is missing a digit in the reference to the 2040 demand. The statement should read "The UWMP also projects ... a demand of 435,100, by 2040."

If you have any questions please let me know.
thanks

Colleen Haggerty, PE
Associate Civil Engineer
Community Projects Review Unit
Santa Clara Valley Water District
5750 Almaden Expressway, San Jose, CA 95118
(408) 630-2322 direct | (408)265-2600 main | chaggerty@valleywater.org | www.valleywater.org
* Mailing address for FedEx, UPS, Golden State, etc.
Winfield Warehouse-5905 Winfield Blvd. San Jose, CA 95123-2428

COMMENT LETTER B

Chen, Emily F

From: Paul Boehm [REDACTED]
Sent: Friday, March 19, 2021 11:00 AM
To: Chen, Emily F
Cc: Paul Boehm; Pastor Rajiv Patnik
Subject: [EXTERNAL] Comment for the proposed Behavioral Health Center

Dear Ms. Chen,

*The following is a comment regarding the proposed Behavioral Health Services Center.
Please forward it to the appropriate agency so that it may be part of the public comments:*

Dear Santa Clara County Supervisors,

B1 I write to you in regards to the proposed Behavioral Health Services Center. I find that the proposed center is a highly desirable facility that is woefully inadequate for the needs of this county. It offers the services that are ideal for the people that live and are served in the facility. I applaud the addition of beds for youth and children. However, the number of beds for adults in the facility, less than 50, is woefully inadequate for a county with a population of almost two million people. Because we are blessed with a mild climate, there are many people who are living in squalor and unsanitary conditions, without permanent housing. Many of these people have Serious Mental Illnesses or suffer from chronic addictions to alcohol or drugs. The last survey of the county's homeless population indicated a total of 77% of the chronically unhoused have SMI and/or have addictions. While it's true that some of these people can be helped in housing without support or with a minimum of support, it's also true that many need structured daily living with the type of rehabilitation that the BHSC offers.

I would ask that you consider expanding the number of beds in the BHSC for adults so that we may reduce the pain and suffering of those with SMI and/or addictions in our County.

Thank you for your consideration.

Paul Boehm
[REDACTED]