



July 28, 2026

Ms. Grace Zu
Smith Architects, Inc.
16047 Acero, Suite 120
Mission Viejo, CA 92691

Sent Via Email

Subject: Approval of Minor Modification 00979716-PPD to Site Design 77-SD-0025 for North Lake Tennis Club at 16 Eastlake in Planning Area 15 (Woodbridge)

Dear Ms. Zu:

Staff reviewed the request to modify the previously approved park design at North Lake Tennis Club. North Lake Tennis Club is a five-acre private park located at 16 Eastlake in the 2.2 Low Density Residential zoning district of Planning Area 15 (Woodbridge).

In 1976, the Planning Commission granted approval of a preliminary site design (76-SD-0119). Thereafter, in January 1977, the Planning Commission granted approval of a park plan modification (File No. 76-PK-0029) for seven parks in the northeast quadrant of Woodbridge Village. In September 1977, the Planning Commission reviewed and approved Park Design 77-SD-0025 for three parks in the Woodbridge Planned Community District, including North Lake Tennis Club. The park design provided a list of amenities for the project site, which included 10 lighted tennis courts, seating for spectators, and a recreation room. In June 2025, the Community Development Director approved a minor modification (File No. 00936109-PPD) to Park Design 77-SD-0025 to update existing facilities to meet accessibility requirements, add shaded benches, expand and update the restroom building, replace one tennis court with four pickleball courts, and update the parking lot design to increase the number of parking spaces.

This modification proposes changes to the park design, including:

- Conversion of the approved four pickleball courts and one existing tennis court to a total of seven pickleball courts;
- Replacing portions of the existing perimeter fence with a specialized pickleball glass wall with heights ranging from eight to 13 feet;
- Updates to the main entry gate, fence, and shade structure;
- Updates to the parking lot design to remove the driveway entry island; and
- Restoration and replacement of trees.

Section 2-22-10(C) of the Irvine Zoning Ordinance contains criteria to determine when the proposed modification to park designs or existing parks is classified a “major modification.” A major modification must be reviewed by the original approving authority at a public hearing. However, where none of the criteria are met, the application is a “minor modification” and reviewed by the Director of Community Development.

Based on the submittal, the Director of Community Development determines that the proposed modification does not meet any of the criteria to be classified as a major modification. Therefore, the project is a minor modification for the following reasons:

1. Any change that would result in overall reduction of recreational amenities within the park or recreation area, including, but not limited to:

- a. Any reduction in park acreage.

The modification does not alter the park acreage in any way. While the modification proposes changes to the site design, North Lake Tennis Club will continue to maintain five acres of private park land. Additionally, the modification does not propose to alter the total value of amenities provided within the site.

- b. Any deletion or reduction in size of an amenity that received park credit, and/or replacement of an amenity that received park credit with another amenity of lesser value, where such change results in a reduction of the total park improvement credit for the park.

The modification provides updates to the main entry gate, fence and shade structure; replaces existing pickleball courts and one tennis court with seven pickleball courts; replaces part of the perimeter fence with a specialized pickleball glass wall that will extend around the pickleball courts; updates the parking lot design; and removes and replaces trees. Therefore, the proposed modification does not propose to delete or reduce any amenities of the park.

- c. Any deletion or reduction in size of a major recreational amenity, including but not limited to pool(s), assembly space(s) such as multipurpose room, fitness center(s), tot lot(s), and any fields or courts.

While the modification removes four approved pickleball courts and one existing tennis court and replaces these facilities with seven pickleball courts, it does not reduce the overall size of the recreational amenities. Additionally, the modification does not reduce the square footage of the existing recreation building or other on-site amenities.

2. For park designs and existing parks, where there are existing residences within 200 feet from the park boundary, a major change also includes, but is not limited to, any change in size; replacement of an amenity with another amenity of unequal value; or the addition or deletion of an amenity, where such change could create a significant impact to the residences within 200 feet of the park facility. An example of a major modification would be the addition of a shade structure, picnic/cook tables, or group BBQs that create a significant on-site and/or off-site parking impact.

The modification proposes updates to the main entry gate, fence and shade structure; updates the parking lot design; removes and replaces trees; and replaces approved pickleball courts and one existing tennis court with seven pickleball courts. While the proposed pickleball courts are within 200 feet of existing residences, the courts will be located within the same footprint of the previous courts, with no increase in overall square footage of the site. The location of the proposed pickleball court conversion is at the furthest location possible from the neighboring residences, which would reduce impacts to adjacent residents. Furthermore, a noise study was conducted by Eliar Associates, Inc. in February 2026 (Enclosure 2) and determined that incorporation of specialized pickleball glass wall with heights ranging from eight to 13 feet in height will prevent noise impacts to adjacent residents. Therefore, the proposed changes do not create a major change to the amenities and would not be considered a major modification.

3. Any change to an existing park's amenities that, at the discretion of the Director of Community Development or the Director of Community Services, would negatively impact the existing residential neighborhood.

The modification proposes upgrades to the main entry gate, fence and shade structure; updates to the parking lot design; removes and replaces trees; and replaces approved pickleball courts and one existing tennis court with seven pickleball courts. While there is an increase in the total number of courts, the seven proposed pickleball courts will be in the same location and take up the same amount of space as the original tennis courts. Additionally, the location of the proposed pickleball court conversion is in the furthest tennis courts from the neighboring residences, which would reduce impacts on adjacent residences. Based on the noise study, the incorporation of the specialized pickleball glass wall will also reduce noise impacts to adjacent residences.

4. Any change in turf from natural to synthetic material.

The modification to the park design does not propose any changes from natural turf to synthetic material.

Based on the information submitted with this application, the Director of Community Development makes the following finding pursuant to Section 2-19-7 of the Irvine Zoning Ordinance and hereby approves Park Design Modification 00979716-PPD.

1. The modification does not alter or affect the intent of the findings and conditions of the original project approval.

The modification will not result in a significant change that would substantially alter the intent or purpose of previous approval. The purpose of the original park design approval was to provide tennis amenities for residents of Woodbridge. The proposed modifications respond to the changing needs of the residents and the desire to implement pickleball facilities. Upon implementation of the modifications, North Lake Tennis Club will continue to operate, as approved, as a private park for residents in the Woodbridge Village Association. All previous conditions of approval will continue to apply to the project. Therefore, the modification will preserve the intent of the findings and conditions of the original approval. All applicable conditions of approval shall remain in full force and effect.

Based on the findings above, Park Design 00979716-PPD is hereby approved, subject to the following conditions:

MISCELLANEOUS

Standard Condition 6.1

DISCRETIONARY CASE CHARGES

The applicant is responsible for paying all charges related to the processing of this discretionary case application within 30 days of the issuance of the final invoice or prior to the issuance of building permits for this project, whichever occurs first. Failure to pay all charges shall result in delays in the issuance of required permits or may result in the revocation of the approval of this application.

Standard Condition 6.2

LEGAL ACTION – HOLD HARMLESS

In accordance with the provisions of Section 5-5-114 of the Irvine Municipal Code and Government Code Section 66474.9, the applicant shall defend, indemnify, and hold harmless the City of Irvine and its agents, officers, and employees from and against any claim, action, or proceeding against the City agency or its agents, officers, or employees to attack, set aside, void, or annul an approval by the City, including, without limitation, an action by an advisory agency, appeal board, or legislative body concerning this discretionary approval. This defense and indemnification shall include the payment of all legal costs incurred on behalf of the City in connection with the application, and the defense of any claim, action or proceeding challenging the approval. The City will

Ms. Grace Zu
July 28, 2026
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promptly notify the applicant of any claim, action, or proceeding and will cooperate fully in the defense.

In the event a legal challenge to the discretionary approval is successful, and an award of attorney fees is made to the challenger, the applicant shall be responsible to pay the full amount of such an award.

Condition 6.40

NOISE ISSUES

If, subsequently to the approval of this application, the Director of Community Development determines that noise issues are negatively affecting the project site or adjacent properties, the property owner or homeowners' association may be required to submit a plan to the Director of Community Development that identifies specific measures to resolve these problems. The plan shall be submitted within 30 days of notification by the City and shall be reviewed and approved by the Director of Community Development. The property owner or homeowners' association shall be required, at its sole expense, to implement any modifications required by the plan within 30 days of written notice from the Director of Community Development to implement such measures, or in such time frame as directed by the Director of Community Development.

Condition 6.41

COMPLIANCE WITH PRIOR CONDITIONS

All applicable conditions of approval associated with the original approval of Park Plan 76-PK-0029 (Planning Commission Resolution No. 77-82), Site Design 77-SD-0225 (Planning Commission Resolution No. 77-142), Site Design Modification (00936109-PPD) and/or any other modifications thereto shall remain in full force and effect.

Unless an appeal is filed prior to the five-calendar-day appeal period ending at 5 p.m. on Tuesday, August 4, 2026, the approval shall become effective on Wednesday, August 5, 2026.

The stamped-approved plans for Park Design Modification 00979716-PPD are being transmitted electronically along with this letter. Please note that permits cannot be issued until all fees associated with this application are paid in full. Please contact Associate Planner Tianna de la Paz at 949-724-6027 or by email at tdelapaz@cityofirvine.org if you have any questions.

Sincerely,



Alyssa Matheus, Planning Manager
on behalf of Stephanie Frady, AICP, Director of Community Development

Ms. Grace Zu
July 28, 2026
Page 6 of 6

Enclosures:

1. Approved Project Plans
2. Noise Study

ec: Alyssa Matheus, Planning Manager
Ann Wu, Principal Planner
Files: 00979716-PPD; 00936109-PPD; 76-PK-0029; 77-SD-0225

City of Irvine
APPROVED
BY _____
Director of Community Development
CASE # 00979716-PPD
DATE July 28, 2026

Woodbridge Village Association
North Lake Tennis Club Accessibility Improvements
16 Eastlake
Irvine, CA 92604



SMITH / architects

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Job No: 17-0301.1
Issue Date: 6/19/2018

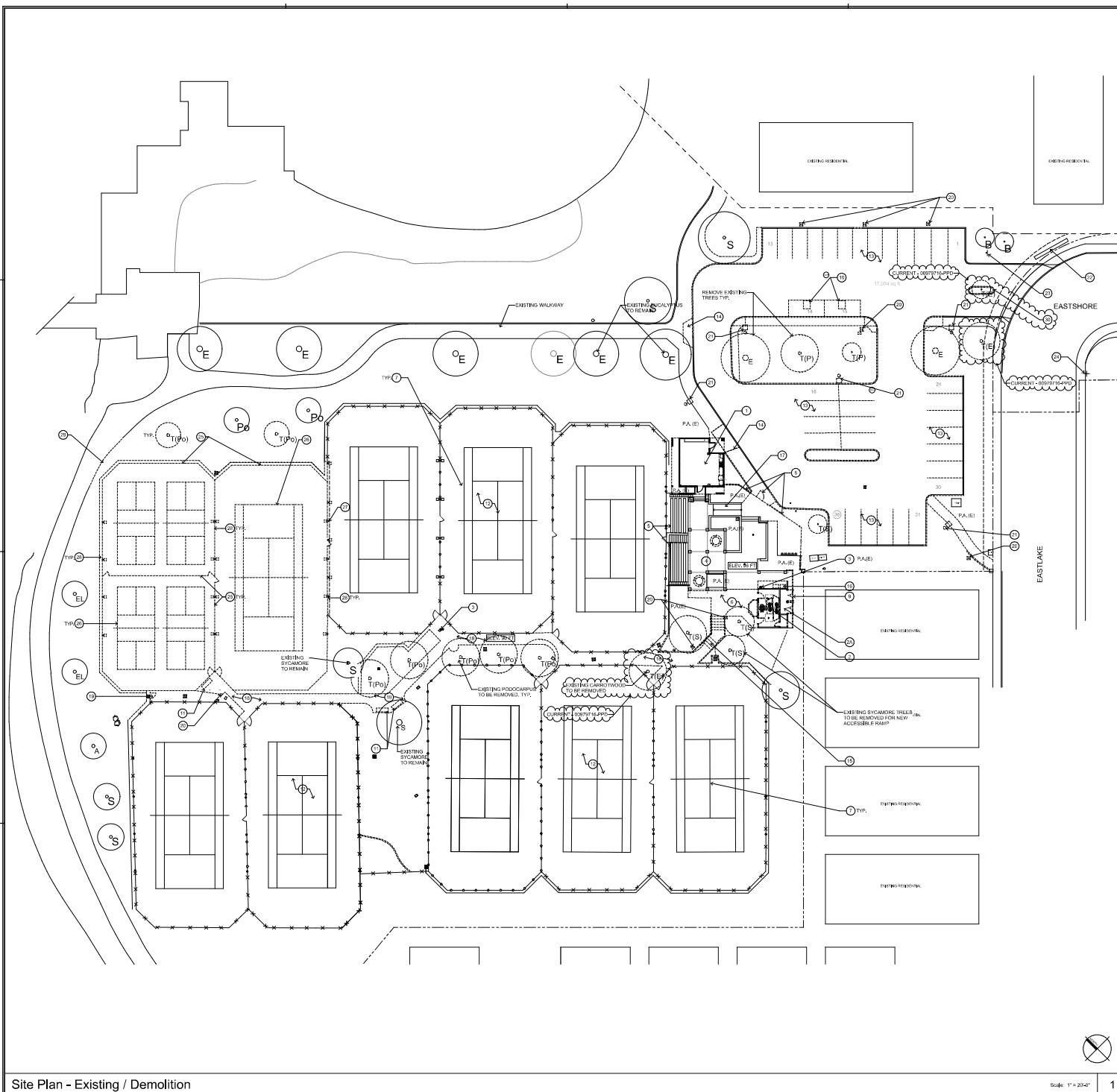
Sheet Title:
Title Sheet

Case Number: 0057616-PPD
Sheet No.: **T.1**

Privacy Agreement Project:
00308169-PPD

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NOTES 1. THE MAXIMUM EFFORT TO OPERATE DOORS SHALL NOT EXCEED 5 LBS. FOR EXTERIOR DOORS & 8 LBS. FOR INTERIOR. FINE DOORS SHALL BE MAXIMUM 15 LBS. 2. ALL REQUIRED EXIT DOORS SHALL BE A MIN. OF 3'-0" WIDE & 8'-0" HIGH & CAPABLE OF OPENING A MIN. OF 90° TO THE CLOSED POSITION & HAVE A MIN. CLEAR OPENING OF 32".	City of Irvine APPROVED BY Director of Community Development CASE # 00979716-PPD DATE July 28, 2026	
Door General Notes - ALL EXIT (EGRESS) DOORS ARE TO BE OPERABLE FROM THE INTERIOR (EGRESS) WITHOUT THE USE OF A KEY OR ANY SPECIAL KNOWLEDGE OR SKILL. IF EXIT DOORS ARE EQUIPPED WITH A LATCH OR LOCK, IT SHALL BE HAND-HARDWARE IN OCCUPANCY GROUP A WITH OCCUPANT LOAD OF 50 OR MORE. LOCKS, IF PROVIDED, SHALL NOT REQUIRE THE USE OF A KEY OR SPECIAL KNOWLEDGE OR SKILL. INSIDE HARDWARE SHALL NOT REQUIRE THE USE OF A KEY OR SPECIAL KNOWLEDGE AND SHALL BE SELF-RELEASING (SECTION 11B.6.1). - OPERABLE PARTS OF HAND-ACTIVATED DOOR OPENING HARDWARE SHALL BE MOUNTED BETWEEN 34 INCHES MIN. AND 48 INCHES MAX. ABOVE THE FLOOR (SECTION 10B.1.2.2). - LATCHING AND LOCKING DOORS THAT ARE HAND-ACTIVATED AND WHICH ARE IN A PATH OF TRAVEL SHALL BE OPERABLE WITH A SINGLE EFFORT BY LEVEL TYPE HARDWARE BY PIVOT BARS, PUSH-BUTTON ACTUATING BARS, OR OTHER HARDWARE DESIGNED TO PROVIDE PASSAGE WITHOUT REQUIRING THE ABILITY TO GRASP OR THE OPENING HARDWARE, SECTION 11B.6.1.2.4. OPERABLE PARTS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TEXT GRASSING, PUNCHING, OR TWISTING OF THE OBJECT. THE FORCE REQUIRED TO ACTIVATE OPERABLE PARTS SHALL BE 5 POUNDS (22.7 N) MINIMUM. - MAXIMUM EFFORT TO OPERATE DOORS SHALL NOT EXCEED 5 LBS. FOR INTERIOR DOORS, 8 LBS. FOR EXTERIOR DOORS AND 15 LBS. FOR FIRE-RATED DOORS, PER CBC SECTION 11B.6.1.2.5. - HINGE DOOR AND GATE SURFACE WITHIN 10 INCHES OF THE FLOOR OR GROUND MEASURED VERTICALLY SHALL HAVE A SMOOTH SURFACE ON THE PUSH SIDE EXTENDING THE FULL WIDTH OF THE DOOR OR GATE. PARTS CREATING OBSTACLES ON VERTICAL JOINTS IN THESE SURFACES SHALL BE OTHER 110 BUCK OF THE SAME PLANE AS THE OTHER AND BE FREE OF SHARP OR ABRASSIVE EDGES. COATINGS CREATED BY ADDED ROCK PLATE SHALL BE CARVED, PER SECTION 11B.6.1.2.1. - THE CONTRACTOR SHALL PROVIDE AND INSTALL A TRANSITION THRESHOLD WHEREVER A CHANGE OF FLOOR MATERIAL OCCURS. THE CHANGE SHALL OCCUR DIRECTLY UNDER THE DOOR. - THE MAXIMUM HEIGHT OF A THRESHOLD SHALL BE 1/2\"/>	Enlarged Restroom Plan	Accessible Tactile Entrance / Exit Signage
Door Notes	Accessible Toilet Elevations	Accessibility Signage
Mounting Heights	Typ. Braille Signage Templates	Typ. Braille Signage Templates



Site Plan - Existing / Demolition

Sol: $1^\circ = 20-0^\circ$	
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○ Site Plan Keynotes:

1. EXISTING RECREATION BUILDING
2. EXISTING WOMEN'S AND MEN'S RESTROOMS
- 3A. EXISTING UTILITY ROOM TO REMAIN
4. EXISTING DRINKING FOUNTAIN TO BE REMOVED AND REPLACED
5. EXISTING TRELLIS SHADE STRUCTURE TO REMAIN
6. EXISTING COURT SIDE BLEACHERS TO REMAIN - PROTECT IN PLACE
7. EXISTING UPPER TERRACE
8. EXISTING TERMS COURT TO REMAIN - TYPICAL
9. EXISTING GOLF RANGE TO REMAIN - REPAIR AND RE-APRACE
10. EXISTING CONCRETE CURB AT PLANTER TO BE REMOVED
11. EXISTING NONCOMPLIANT ACCESSIBLE PARKING SYMBOL TO BE REMOVED
12. EXISTING SEATING TO BE REMOVED AND REPLACED
13. EXISTING PICKLEBALL COURT TO REMAIN
14. EXISTING PARKING TO BE DEMOLISHED
15. EXISTING CONCRETE CURB RAMP AND LANDING TO BE REMOVED
16. EXISTING STAIRS TO BE REMOVED
17. EXISTING VENDING MACHINES TO REMAIN - RELOCATE DURING CONSTRUCTION, ON STORE
18. EXISTING CONCRETE RAMP TO REMAIN
19. EXISTING CONCERTE WALKWAY REMAIN AND RESURFACE
20. EXISTING CHAIN LINK GATE TO BE RECONFIGURED TO SWING OUT
21. EXISTING LIGHT POLE AND FOOTING TO BE REMOVED, TYPICAL OF 1" SAFE OFF FIRMING
22. EXISTING POLE LIGHT AND FOOTING TO BE REMOVED, SAFE OFF FOR ELECTRICAL REWIRING
23. EXISTING MONUMENT SIGN TO REMAIN - PROTECT IN PLACE
24. EXISTING UNAUTHORIZED PARKING SIGN TO REMAIN - PROTECT IN PLACE
25. EXISTING STREET SIGN
26. EXISTING TRENS / PICKLEBALL COURTS CHAIN LINK FENCE AND GATES TO BE DEMOLISHED AS REQUIRED FOR NEW WORK
27. EXISTING TRENS / PICKLEBALL COURTS STAIRS TO BE REMOVED
28. EXISTING TERMS / PICKLEBALL COURTS CONCRETE TO BE DEMOLISHED AS REQUIRED FOR NEW WORK
29. EXISTING TRENS / PICKLEBALL COURT POLE LIGHT AND FOOTING TO BE REMOVED AS REQUIRED FOR NEW 1" SAFE OFF ELECTRICAL REWIRING

29. EXISTING WALKWAY TO BE MODIFIED
30. EXISTING DRIVEWAY ENTRY ISLAND, TREE AND LANDSCAPE TO BE REMOVED

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BY _____ Director of Community Development
CASE # 00979716-PPD
DATE July 28, 2026

NOTE: TOTAL EXISTING TREES TO BE REMOVED = 18

Legend:

- | | |
|---|---|
|  | EXISTING SYCAMORE TO BE REMOVED |
|  | EXISTING PODOCARPUS TO BE REMOVED |
|  | EXISTING PINE TO BE REMOVED |
|  | EXISTING TREE TO BE REMOVED |
|  | EXISTING SYCAMORE TO REMAIN |
|  | EXISTING PODOCARPUS TO REMAIN |
|  | EXISTING EUCALYPTUS TO REMAIN |
|  | EXISTING TREE TO REMAIN |
|  | EXISTING BALUHINA-BLAKIANA TO REMAIN |
|  | EXISTING CHINESE ELM TO REMAIN |
|  | EXISTING ALDER TO REMAIN |
| P.A. | PLANTING AREA |
| ----- | |
|  | TO BE DEMOLISHED |
|  | EXISTING POLE LIGHT AND FOOTING TO BE REMOVED, TYP. |
|  | SEWER MAN HOLE TO REMAIN |

[illegible]

Architects Seal:



Project:

Woodbridge Village Association
North Lake Tennis Club Accessibility Improvements
16 Eastlake
Irvine, CA 92604



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Job No: 17-320.1
Issue Date: 6/19/2016

Sheet Title:
**Site Plan -
Existing /
Demolition**

Sheet No.:
A1.0

Previously Approved Project
00936109-PFD

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- Site Plan Keynotes:**
1. EXISTING RECREATION BUILDING TO INCLUDE ACCESSIBILITY UPGRADE - SEE SHEET A1.0
 2. RENOVATE EXISTING WOMEN'S AND MEN'S RESTROOMS TO INCLUDE ACCESSIBILITY UPGRADE - SEE SHEET A1.0
 3. NEW ACCESSIBLE ROUTE OF TRAVEL SIGN - SEE DETAILS 5.5 & 6.0A.1
 4. NEW ACCESSIBLE PARKING LOT SIGN ON EXISTING POST - SEE A1.3
 5. EXISTING TENNIS COURT TO REMAIN - TYPICAL
 6. NEW POLYMER CONCRETE - TYPICAL
 7. NEW ALUMINUM FENCE 6' HIGH - SEE DETAIL 9.10A.1
 - 7a. NEW GLASS FENCE AND GATE TO SWING OUT - SEE DETAIL 9.10A.1
 8. NEW CONCRETE LANDING
 9. NEW LIGHT BOLLARD TO MATCH EXISTING
 10. THE MAXIMUM OCCUPANT LOAD SHALL BE POSTED WHERE REQUIRED BY SECTION 1004.0, SUCH SIGNAGE SHALL BE PERMANENTLY AFFIXED NEAR THE BUILDING AND SHALL BE POSTED IN A CONSPICUOUS SPACE NEAR ALL THE EXIT ACCESS DOORWAYS.
 11. THE GROSS DOOR-LOOKING DEVICE IS READILY DISTINGUISHABLE AS LOCKED AND SHALL BE A NON-OPENING TO THE OUTSIDE.
 12. MAIN ENTRY COVERED STRUCTURE - SEE DETAIL 9.10A.1

City of Irvine
APPROVED
BY _____
Director of Community Development
CASE # 00979716-PPD
DATE July 28, 2026

NOTE: TOTAL NEW TREES TO BE ADDED = 15

Legend:

- EXISTING SYCAMORE TO REMAIN
- EXISTING EUCALYPTUS TO REMAIN
- NEW TREE, SEE 16A.3 AND 11.1.7
- EXISTING BAURINIA BLAKEANA TO REMAIN
- EXISTING CHINESE ELM TO REMAIN
- EXISTING ALDER TO REMAIN
- STIPPLING
- DECOMPOSED GRANITE
- PA(E) EXISTING PLANTING AREA TO REMAIN
- PA(N) NEW PLANTING AREA
- NEW POLE LIGHT AND FOOTING
- NEW LIGHT BOLLARD TO MATCH EXISTING - SEE DETAIL 7.0A.1

Rev.	Date	Revised
1	6/15/2026	Initial revision - drawing
2	6/15/2026	Final revision - drawing

Architects Seal



Project

Woodbridge Village Association
North Lake Tennis Club Accessibility Improvements
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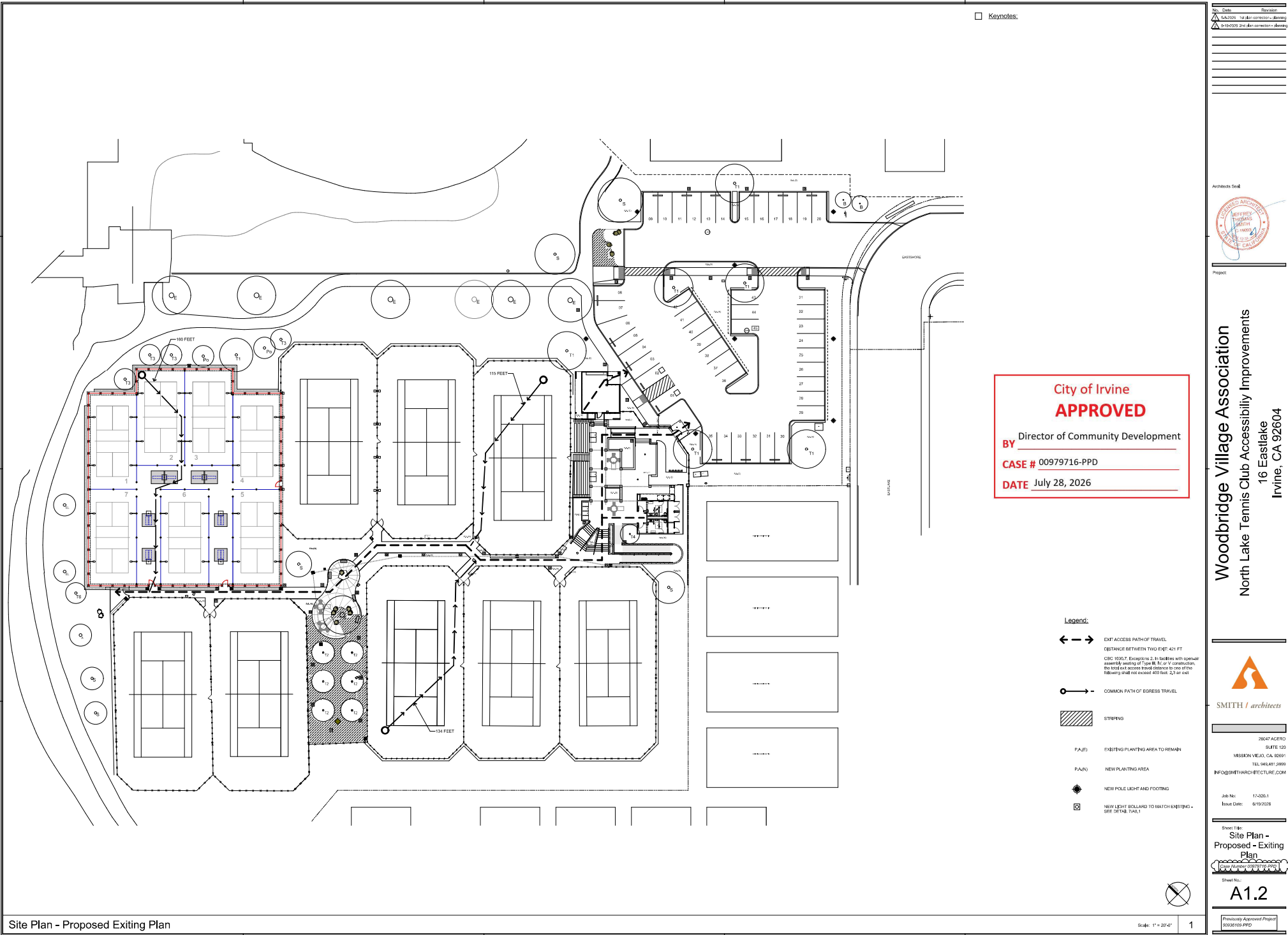
JOB NO: 17-205.1
ISSUE DATE: 6/15/2026

Sheet Title:
Site Plan - Proposed

Sheet No.:
A1.1

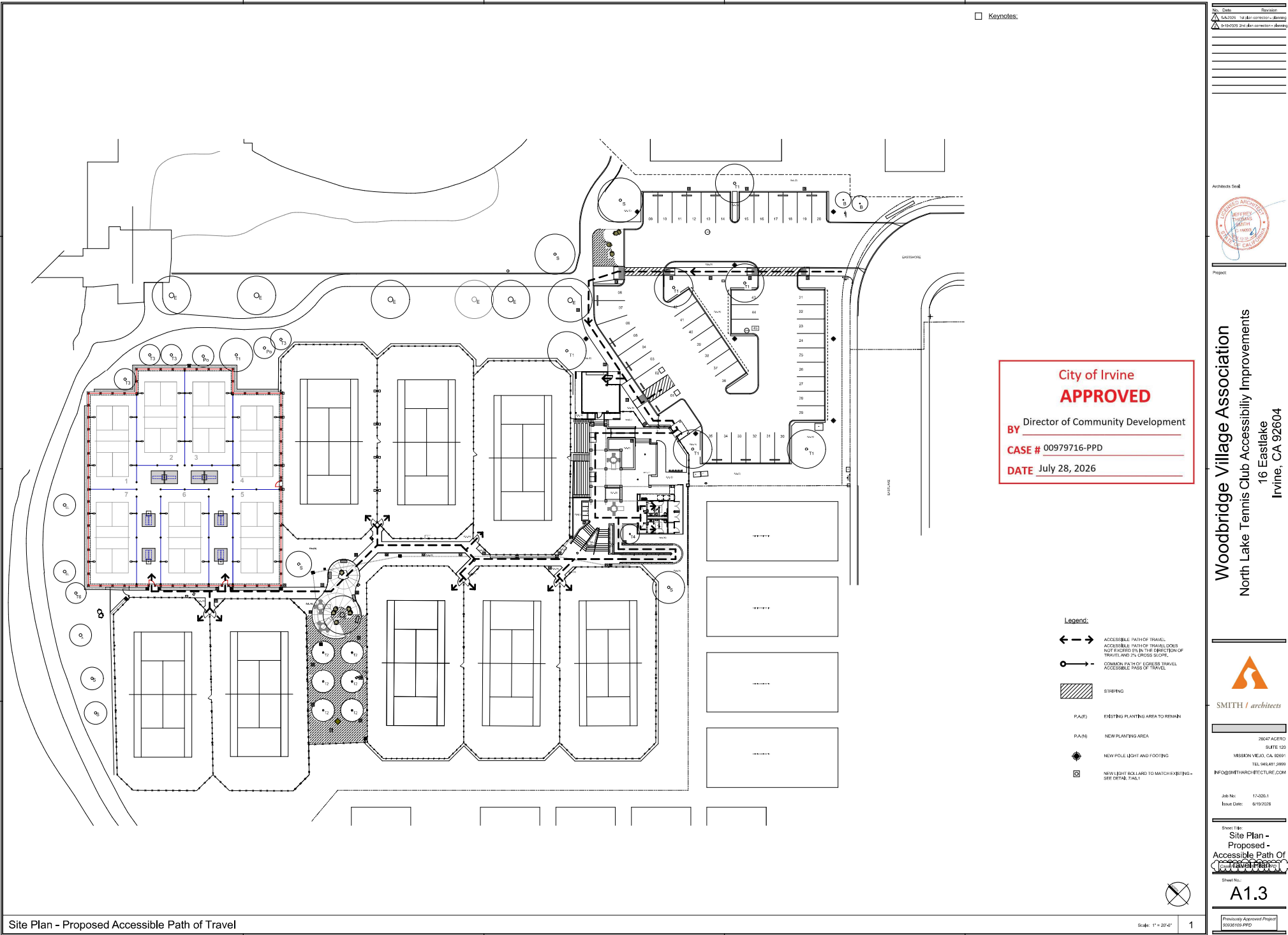
Permitted Agreement Project
00000000 PPD

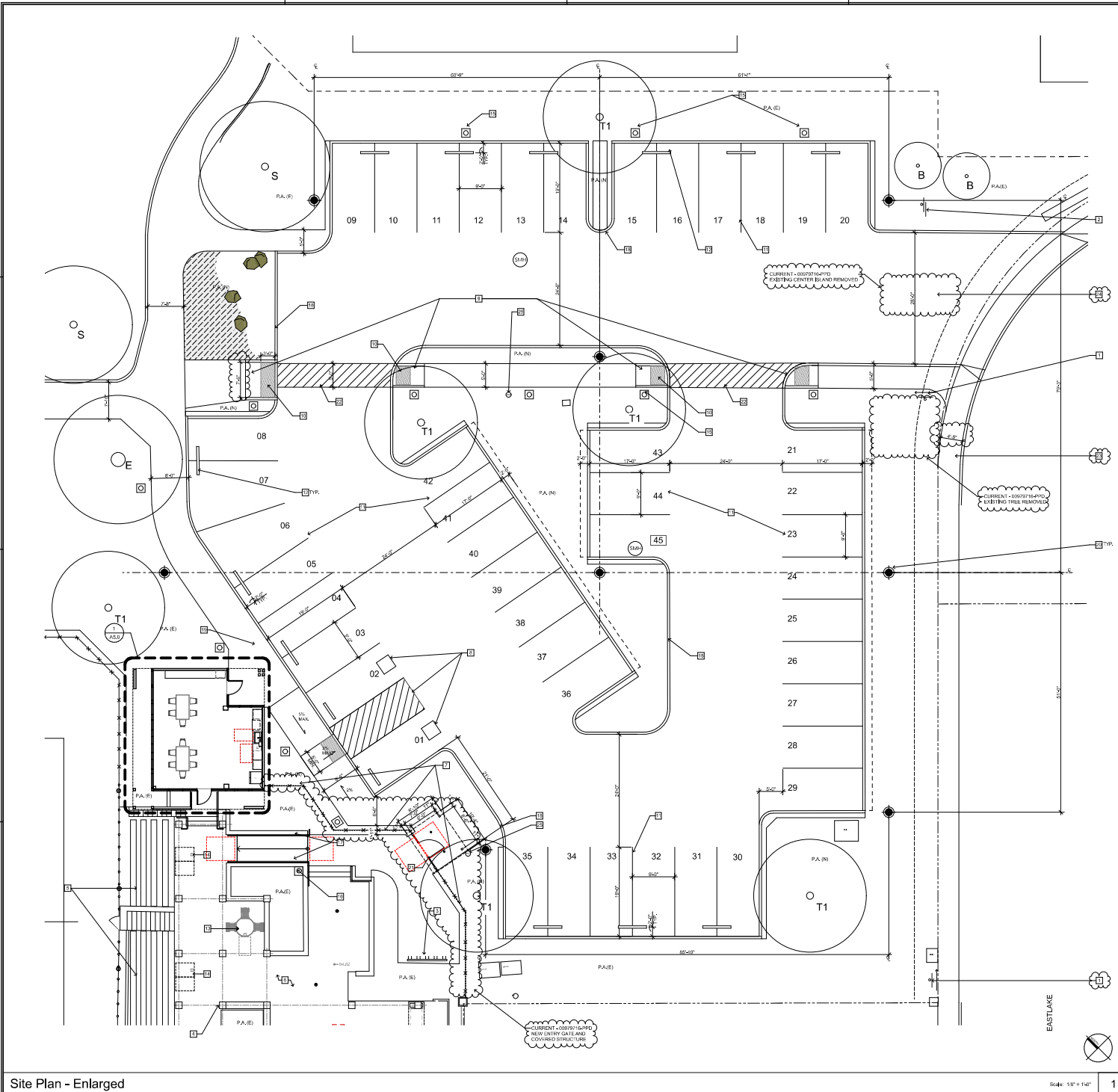
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Site Plan - Proposed Exiting Plan

Scale: 1" = 20'-0"





- Site Plan Keynotes:**
1. NEW ACCESSIBLE ROUTE OF TRAVEL - SEE S & 00A.1
 2. NEW ACCESSIBLE PARKING LOT SIGN - SEE AT.8
 3. EXISTING BIKE RACK TO REMAIN
 4. EXISTING TRELLIS SHADE STRUCTURE TO REMAIN
 5. EXISTING COURT SIDE BLEACHERS W/ ACCESSIBLE SEATS
 6. EXISTING UPPER TERRACE - REGRADE TO BE ACCESSIBLE COMPLIANT WITH SLOPE NO LESS THAN 1% AND NO GREATER THAN 2% IN ANY DIRECTION - TYPICAL
 7. NEW ALUMINUM FENCE 6' HIGH - SEE S & 00A.1
 8. NEW ACCESSIBLE PARKING STALLS AND ACCESSIBLE - SEE AT.8
 9. NEW ACCESSIBLE CURB RAMP W/ RUNNING SLOPE OF 1:12 MAX - SEE AT.8
 10. NEW 3'x4' WIDE TRUNCATED DETECTABLE WARNING - SEE AT.8
 11. NEW PARKING STRIPING, TYPICAL, SEE DETAIL 110A.1
 12. NEW CONCRETE WHEEL STOP - SEE DETAIL 110A.1
 13. NEW ACCESSIBLE 48" DIAMETER PONGE TABLE WITH 3 ATTACHED SEATS, PROVIDE BRONZE OR TABLE MANUFACTURER SEE SCENERY CITY NEW TABLE - CHAMPAGNE, COLOR SILVER
 14. NEW ACCESSIBLE SEATING WITH COMPANION SEAT BRACKS - SEE AT.8
 15. REUSE EXISTING LIGHT BOLLARD IN THIS LOCATION, TYPICAL OF 4
 16. EXISTING LIGHT BOLLARD TO REMAIN
 17. NEW HANDRAILS AT SIDES OF EXISTING RAMP - SEE DETAIL 110A.6
 18. NEW CONCRETE CURB - SEE CIVIL DRAWINGS
 19. REPLACE CONCRETE
 20. NEW POLE LIGHT AND FOOTING
 21. NEW WIDE BOX KEY VAULT FOR FIRE (POLICE DEPARTMENT ACCESS, MOUNTING LOCATION SHALL BE FIRST FEET ABOUT FINISH GRADE AND WITHIN TWO FEET OF THE LOOKING BRIDGE)
 22. NEW ACCESSIBLE PATH OF TRAVEL - CROSSWALK STRIPING
 23. NEW CONCRETE TO MATCH EXISTING CITY STANDARD DETAIL 110A.1
 24. RECLAIMED WATER DRAIN-CONNECT

**CITY OF IRVINE
PUBLIC WORKS**

OFF-STREET PARKING

August 2018
DATE

STANDARD PLAN
411

SHEET 1 OF 1

Legend:

- S EXISTING SYCAMORE TO REMAIN
- E EXISTING EUCALYPTUS TO REMAIN
- T1 EXISTING TREE TO REMAIN
- T2 NEW TREE, SEE 16A.B.3
- B EXISTING BAHIA PALM TO REMAIN
- STRIPING SEE AT.8
- DECOMPOSED GRANITE
- CLEARANCE FOR ACCESSIBILITY
- ALOR
- NEW POLE LIGHT AND FOOTING
- NEW LIGHT BOLLARD TO MATCH EXISTING - SEE DETAIL 110A.1
- PA(N) PLANTING AREA NEW
- PA(E) EXISTING PLANTING AREA TO REMAIN

**City of Irvine
APPROVED**

BY **Director of Community Development**

CASE # 00979716-PPD

DATE July 28, 2026

STREET & ARCHITECTS

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JOB NO: 17-020.1
ISSUE DATE: 6/19/2026

Sheet Title:
Site Plan - Enlarged

Sheet No.:
A1.4

Previously Approved Project:
0000000 PPD

Site Plan - Enlarged

Woodbridge Village Association

16 Eastlake

Irvine, CA 92604

16 Eastlake

Irvine, CA 92604

City of Irvine

APPROVED

BY **Director of Community Development**

CASE # 00979716-PPD

DATE July 28, 2026

STREET & ARCHITECTS

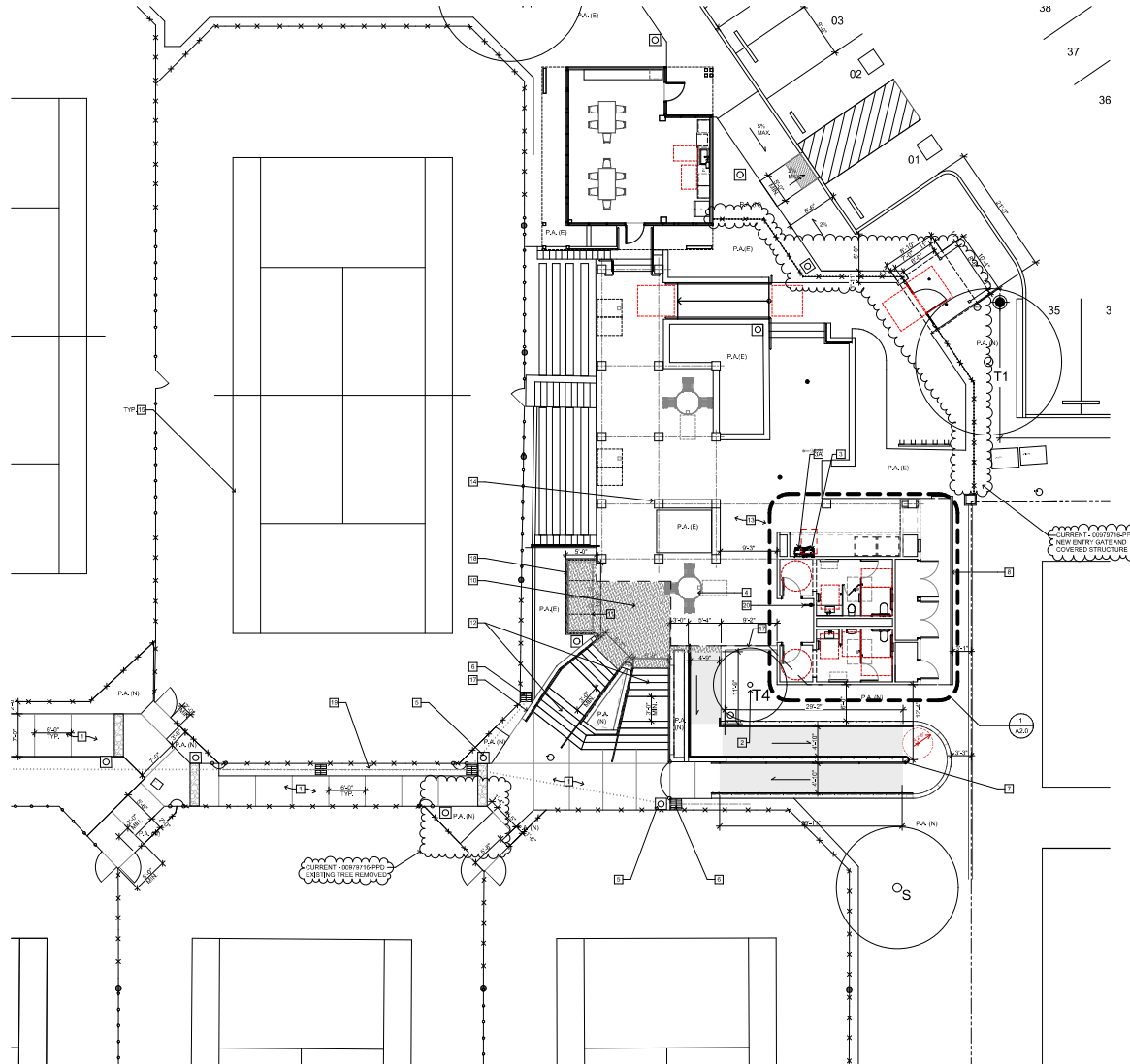
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JOB NO: 17-020.1
ISSUE DATE: 6/19/2026

Sheet Title:
Site Plan - Enlarged

Sheet No.:
A1.4

Previously Approved Project:
0000000 PPD



Site Plan Keynotes:

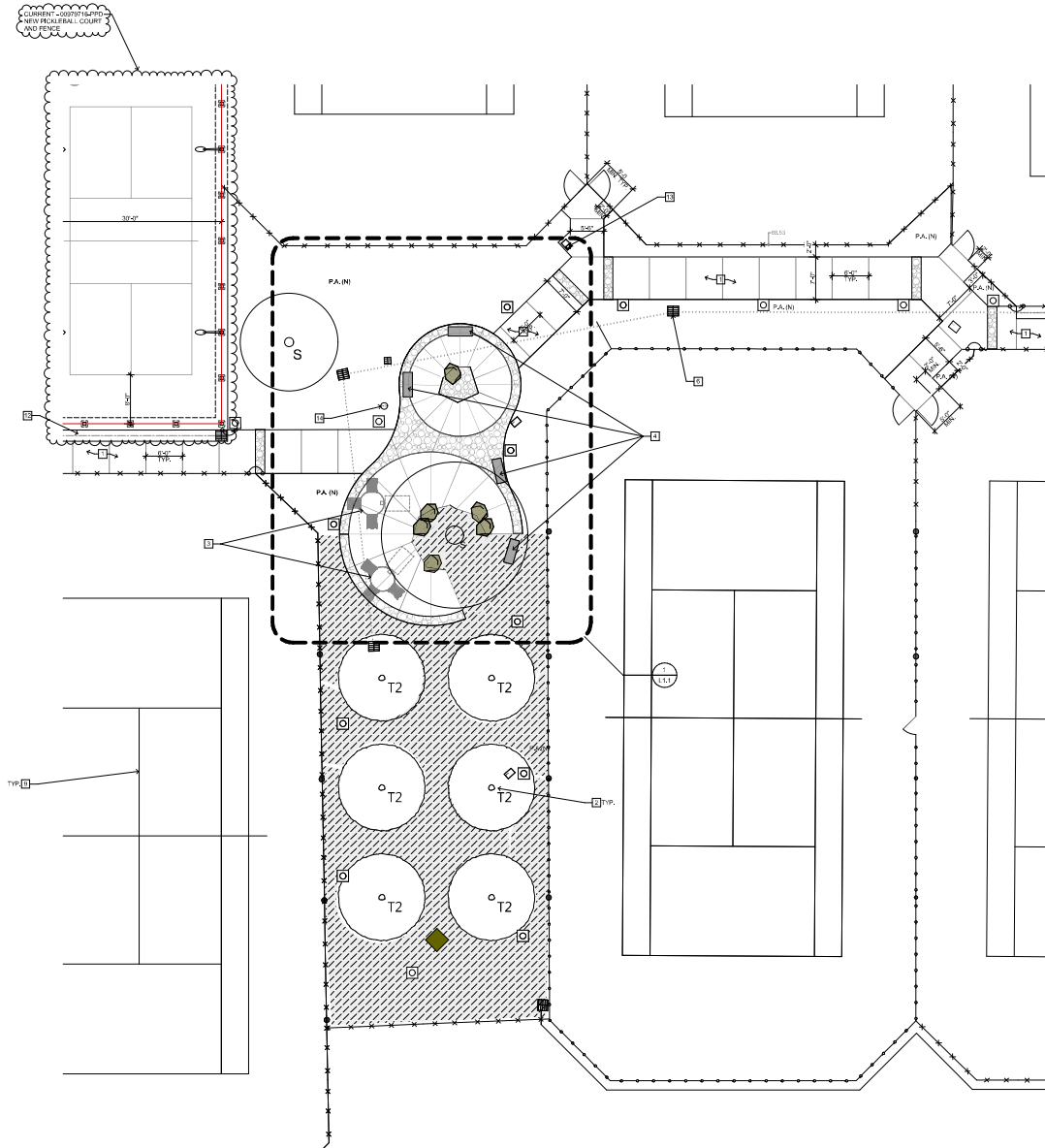
1. NEW CONCRETE WALKWAY - REGRADE TO BE ACCESSIBLE COMPLIANT WITH SLOPE NO. LESS THAN 1% AND NO GREATER THAN 2% IN ANY DIRECTION - TYPICAL - SEE DETAIL 0A.1
2. NEW TREE
3. NEW ACCESSIBLE DRINKING FOUNTAIN WITH BOTTLE FILLING STATION - SEE SHEET AGO. 2017.8
- 3A. NEW DRINKING FOUNTAIN FOR STANDING PERSON - SEE AGO. 2017.8
4. NEW ACCESSIBLE 48" DIAMETER PONG TABLE WITH 3 ATTACHED SEATS. PROVIDE BORMANE ON TABLE MANUFACTURER SITE SKETCHES. CITY NEW TABLE - CIVAS115404PP. COLOR: SILVER
5. REUSE EXISTING LIGHT BOLLARD IN THIS LOCATION, TYPICAL OF 2
6. RELOCATED DRAIN
7. NEW ACCESSIBLE RAMP - SEE SHEETS 1.1, 1A.0
8. NEW CONCRETE CURB AT EXISTING PLANTER - SEE CIVIL DRAWINGS
9. NOT USED
10. NEW PORTION OF UPPER TERRACE TO BE ACCESSIBLE COMPLIANT TO SLOPE NO LESS THAN 1% AND NO GREATER THAN 2% IN ANY DIRECTION - TYPICAL
11. NEW ACCESSIBLE SEATING WITH COMPANION SEAT SPACE - SEE 17.8
12. NEW CONCRETE STEPS WITH METAL HANDRAILS - SEE 8.11A.0
13. EXISTING UPPER TERRACE - REGRADE TO BE ACCESSIBLE COMPLIANT WITH SLOPE NO LESS THAN 1% AND NO GREATER THAN 2% IN ANY DIRECTION - TYPICAL
14. EXISTING TRELLIS STRUCTURE TO REMAIN
15. EXISTING TENNIS COURT TO REMAIN - TYPICAL
16. NEW DRINKING FOUNTAIN AT TENNIS COURTS
17. NEW CONCRETE CURB - SEE CIVIL DRAWINGS
18. NEW GUARDRAIL AT ACCESSIBLE / COMPANION SEATING SPACE - SEE DETAIL 15A.0
19. NEW SWALE - SEE CIVIL DRAWINGS
20. HOSE BIB CONNECT TO BUILDING POTABLE WATER WITH MINIMUM 3/4" INCH LINE

NOTE:
FOR GRADES AND HEIGHTS SEE CIVIL DRAWINGS



Legend:

- EXISTING SYCAMORE TO REMAIN
- EXISTING EUCALYPTUS TO REMAIN
- EXISTING TREE TO REMAIN
- NEW TREE, SEE 16A.0
- CLEARANCE FOR ACCESSIBILITY
- NEW LIGHT BOLLARD TO MATCH EXISTING - SEE DETAIL 7A.1
- ALKON
- EXISTING PLANTING AREA TO REMAIN
- PLANTING AREA NEW
- NATURAL CONCRETE - TOP CAST 75



Site Plan Keynotes:

1. NEW CONCRETE WALKWAY-REGRADE TO BE ACCESSIBLE COMPLIANT WITH SLOPE NO. LESS THEN 1% AND NO GREATER THEN 2% IN ANY DIRECTION - TYPICAL - SEE DETAIL 7.0A.1
2. NEW TREE - SEE LANDSCAPE
3. NEW ACCESSIBLE 48" DIAMETER POND TABLE WITH 3 ATTACHED SEATS, PROVIDE BENCHES ON TABLE MANUFACTURER: SEE SEATING - CITYVIEW TABLE-CITYVIEWSEATING - CIV-1100-PP, COLOR: STERLING
4. NEW SEATING AREA BENCH-MANUFACTURER: SITE SEATING, CITYVIEW SEATING - CIV-1100-PP, COLOR: STERLING
5. RELOC EXISTING LIGHT BOLLARD IN THIS LOCATION, TYPICAL OF 1
6. RELOCATED DRINK
7. NEW CONCRETE LANDING
- 8.
9. EXISTING TENNIS COURT TO REMAIN- TYPICAL
10. NEW PERIMETER COURTS - TYPICAL
- 11.
12. NEW BOWLE - SEE CIVIL DRAWINGS
13. NEW DRINKING FOUNTAIN AT TENNIS COURTS
14. POTABLE WATER QUICK-CONNECT, CONNECT TO DRINKING FOUNTAIN

NOTE:
FOR GRADES AND HEIGHTS SEE CIVIL DRAWINGS



Legend:

- EXISTING SYCAMORE TO REMAIN
- EXISTING EUCALYPTUS TO REMAIN
- EXISTING TREE TO REMAIN
- NEW TREE, SEE 16.0A.3
- CLEARANCE FOR ACCESSIBILITY
- NEW LIGHT BOLLARD TO MATCH EXISTING - SEE DETAIL 7.0A.1
- ALIBI
- EXISTING PLANTING AREA TO REMAIN
- PLANTING AREA NEW
- DECOMPOSED GRANITE
- NATURAL CONCRETE - TOP CAST 75

Architects Seal



Project

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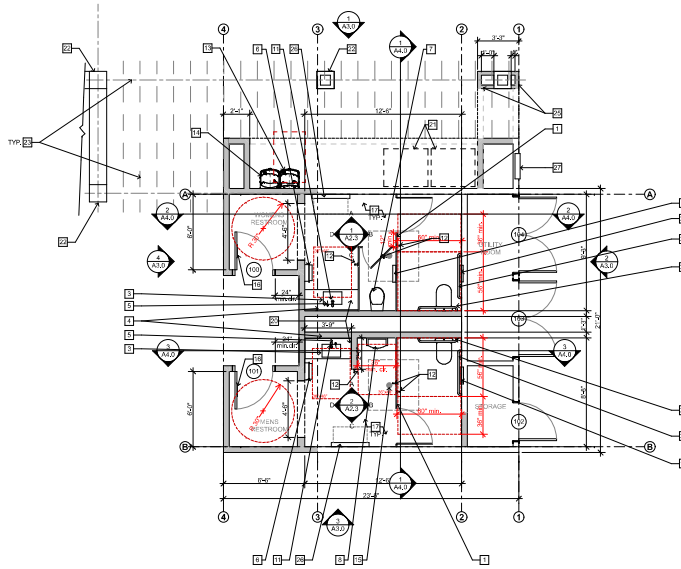
JOB No: 17-020.1
Issue Date: 6/19/2026

Sheet Title:
Site Plan - Enlarged

Sheet No.:

A1.6

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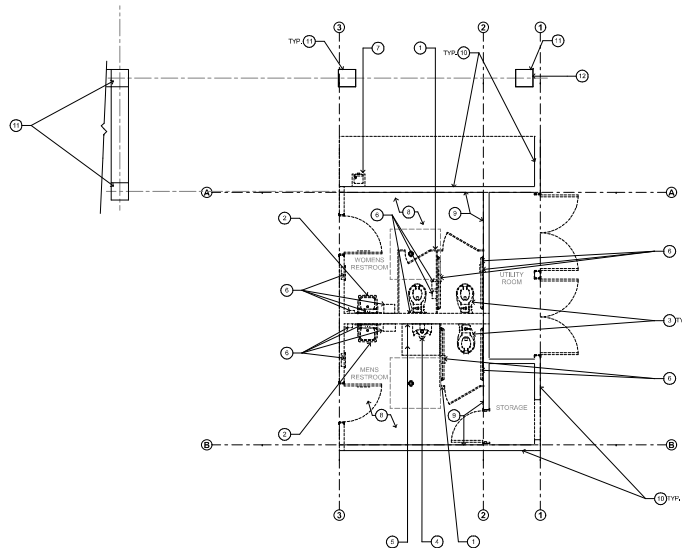
NOTES:
ALL TOILET ACCESSORIES TO COMPLY WITH THE ACCESSIBLE CODE MOUNTING HEIGHTS
AND LOCATION - SEE DETAILS 717.10, 817.10 & 1017.10
FOR WHEELCHAIR ACCESSIBLE TOILET COMPARTMENT TOE CLEARANCES
- SEE DETAIL 817.01



Scale: 1/4" = 1'-0"

1

Proposed Floor Plan - Restrooms



Legend
EXISTING WALL TO REMAIN
REMOVE WALL
REMOVE DOOR / FRAME
REMOVE FLOOR DRAIN



Scale: 1/4" = 1'-0"

2

Demolition Floor Plan - Restrooms

Floor Plan Keynotes:

1. NEW SOLID PNEUMATIC TOILET PARTITIONS, MANUFACTURER ALAN LEBEL, INC. MODEL: GUARDIAN SOLID PNEUMATIC PARTITIONS, COLOR: WILDCRAT (DARK CHOCOLATE)
2. NEW GRAB BARS - 1 1/2" DIAMETER STAINLESS STEEL GRAB BARS WITH SNAP FLANGE, BOBROCK BARRER SERIES 6-487 - BOBROCK (84800648 6-36" - BOBROCK (84800606
3. NEW SINK - QUARTZ CLASSIC 20" X 16-1/2" X 5-1/2" SINGLE BOWL UNDERCOUNTER ADA SINK WITH PERFECT DRAIN MODEL: ELUGAD2819D, COLOR:
4. NEW MIRROR 3'-0" X 3'-0"
5. NEW LAVATORY-MOUNTED SOAP DISPENSER, BOBROCK B-202
6. NEW SURFACE-MOUNTED CONVERTIBLE PAPER TOWEL DISPENSER AND WASTE RECEPTACLE, BOBROCK B-204 CLASSIC SERIES
7. NEW WALL HUNG TOILET - KOHLER-KINGSTON - K4202 TOILET BOWL WITH SLOAN - ROYAL MANUAL FLUSHOMETER -ROYAL 111-438
8. NEW URINAL - KOHLER - SANCTION (84800648) URINAL - 1489-4855 WITH KOHLER-KAYAK HES 1/8 GPF URINAL FLUSHOMETER -K7020
9. NEW TOILET ACCESSORIES: SURFACE-MOUNTED SEAT-COVER DISPENSER, SANITARY NAPKIN DISPOSAL, AND TOILET TISSUE DISPENSER, BOBROCK B-214 CLASSIC SERIES
10. NEW TOILET ACCESSORIES: RECESSED-MOUNTED SEAT-COVER AND TOILET TISSUE DISPENSER, BOBROCK B-214 CLASSIC SERIES
11. NEW FAUCET - AMERICAN STANDARD - METERING PILLAR TAP FAUCET - MODEL NUMBER: 1340.107
12. NEW HEAVY-DUTY CLOTHES HOOK WITH EXPOSED MOUNTING, BOBROCK B-211
13. NEW ACCESSIBLE DRINKING FOUNTAIN - SEE 1100 ELEVATION, MANUFACTURER: MURCOCK MFG. MODEL: A17A080AUS-1P-RP-12-000
14. NEW DRAINING FOUNTAIN FOR STANDING PERSON - SEE 1100 ELEVATION, MANUFACTURER: MURCOCK MFG. MODEL: A17A080AUS-1P-RP-12-000
15. NEW FLOOR DRAIN - MEAB SERIES F1000-1/2" FLOOR DRAIN WITH HEAVY-DUTY STAINLESS STEEL STRAINER
16. NEW ACCESSIBILITY SIGNAGE - SEE DETAILS 817.10, 817.10
17. NEW PORCELAIN TILE FLOOR
18. NEW PORCELAIN TILE WALL OVER GIBBERILL TILE BACKER
19. NEW MEDIUM WEIGHT TYP 1/2" SIF GYPSUM BOARD WALL - PAINTED
20. NEW QUARTZ COUNTERTOP - ARIZONA TILE - WHITE METROPOLIS
21. EXISTING VENDING MACHINE - HUBBART ALLED
22. EXISTING STUCCO COLUMN
23. EXISTING TIEBULL ABOVE
24. NEW TOILET ACCESSORIES: RECESSED-MOUNTED SEAT-COVER DISPENSER, SANITARY NAPKIN DISPOSAL, AND TOILET TISSUE DISPENSER, BOBROCK B-214 CLASSIC SERIES
25. NEW EXTENDED PARTITION UP COLUMN TO COVER EXISTING ELECTRICAL CONDUIT RUN TO MATCH EXISTING STUCCO FINISH AND TEXTURE
26. NEW SURFACE-MOUNTED BABY CHANGING STATION SANIFLOW BABYWEAR CPO16HCS-ASTM
27. NEW RECESSED-MOUNTED 100 AMP ELECTRICAL PANEL

Legend:

CLEARANCE FOR ACCESSIBILITY

P.A. PLANTER AREA

EXISTING WALL TO REMAIN

EXTERIOR WALL - NEW 2X6 STUDS @ 16" O.C. W/ EXTERIOR WOOD SING AND STUCCO FINISHES

INTERIOR WALL - NEW 2X6 STUDS @ 16" O.C. W/ 5/8" GYP. BD. LEVEL 5 FINISH

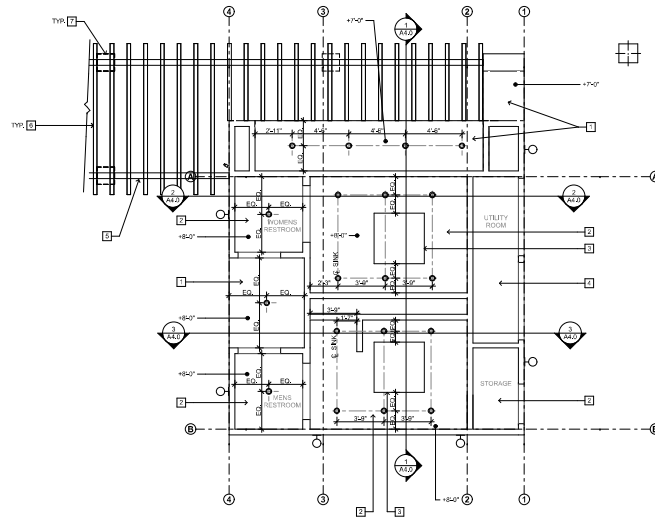
NEW DOOR / FRAME - SEE SHEET A6.1 FOR DOOR SCHEDULE

Demolition Floor Plan Keynotes:

1. EXISTING TOILET PARTITION TO BE REMOVED
2. EXISTING SINK TO BE REMOVED
3. EXISTING EXISTING TOILET TO BE REMOVED
4. EXISTING URINAL TO BE REMOVED
5. EXISTING WALL AND FLOOR TILE AT URINAL TO BE REMOVED
6. EXISTING RESTROOM ACCESSORIES TO BE REMOVED
7. EXISTING DRINKING FOUNTAIN TO BE REMOVED
8. EXISTING RESTROOM FLOOR FINISHES TO BE REMOVED
9. EXISTING RESTROOM INTERIOR WALL FINISHES TO BE REMOVED TO STUD
10. EXISTING RESTROOM EXTERIOR WALL FINISHES TO BE REMOVED TO STUD
11. EXISTING STUCCO COLUMN
12. REMOVE STUCCO TO EXPOSE FRAMING

City of Irvine
APPROVED
BY **Director of Community Development**
CASE # **00979716-PPD**
DATE **July 28, 2026**

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Job No: 17-020.1
Issue Date: 6/19/2028
Sheet No.:
A2.0
Floor Plans - Restrooms
Previously Approved Project
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Proposed Ceiling Plan Keynotes:

1. NEW STUCCO SOFFIT - PAINTED, COLOR: METAPANTAP 041
2. NEW 5/8" TYPE "C" GYP. BD. CEILING - LEVEL 5 FINISH PAINTED
3. NEW FIXED SKYLIGHT - SEE WINDOW SCHEDULE SHEET A6.1
4. EXISTING GYP. BD. CEILING TO REMAIN
5. EXISTING 6X16 TRELLIS BEAM
6. EXISTING 4X6 @ 16" O.C. TRELLIS PICKETS
7. EXISTING COLUMN BELOW

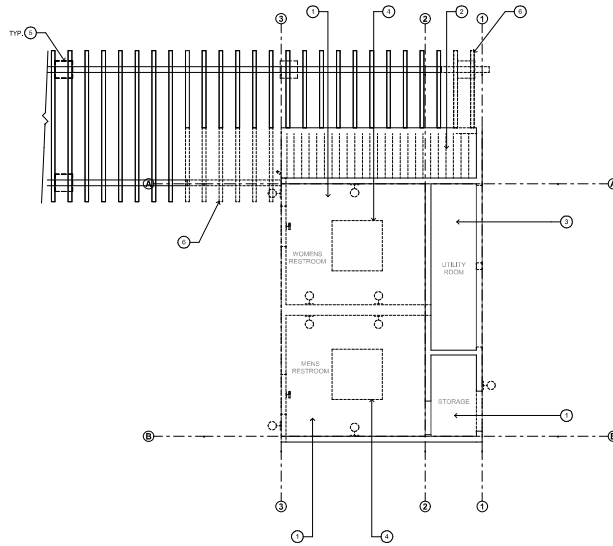
Legend:

- NEW 4" RECESSED DOWNLIGHT FIXTURE WITH SELECTABLE CCT - MANUFACTURER: NORA LIGHTING, MODEL: NL114-T1046PW
- NEW WALL MOUNTED LIGHT FIXTURE - MANUFACTURER: ACCESS LIGHTING, MODEL: 2508L-COMMUNICATOR, NAME: CURVE
- RELOCATED SECURITY CAMERA

Proposed Ceiling Plan - Restrooms

Scale: 1/4" = 1'-0"

1



Demolition Ceiling Plan Keynotes:

1. EXISTING GYP. BD. CEILING TO BE REMOVED
2. EXISTING T & G CEILING TO BE REMOVED
3. EXISTING GYP. BD. CEILING TO REMAIN
4. EXISTING SKYLIGHT TO BE REMOVED
5. EXISTING COLUMN
6. EXISTING TRELLIS PICKET AND BEAM TO BE REMOVED AS REQUIRED FOR NEW WORK

Legend:

- REMOVE EXISTING WALL MOUNTED LIGHT FIXTURE
- REMOVE EXISTING WALL MOUNTED EMERGENCY LIGHT FIXTURE
- EXISTING SECURITY CAMERA REMOVE AND REINSTALL

Demolition Ceiling Plan - Restrooms

Scale: 1/4" = 1'-0"

2

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DATE July 28, 2026

Legend:

- REMOVE EXISTING WALL MOUNTED LIGHT FIXTURE
- REMOVE EXISTING WALL MOUNTED EMERGENCY LIGHT FIXTURE
- EXISTING SECURITY CAMERA REMOVE AND REINSTALL

Rev.	Date	Revised
1	6/15/2026	Initial revision - drawing
2	6/15/2026	Final revision - drawing

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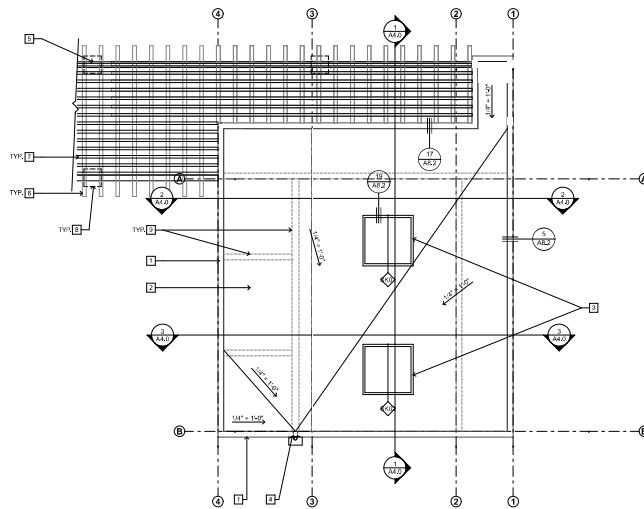
JOB NO: 17-203.1
Issue Date: 6/15/2026

Drawn By:
Ceiling Plans - Restrooms

Sheet No.:
A2.1

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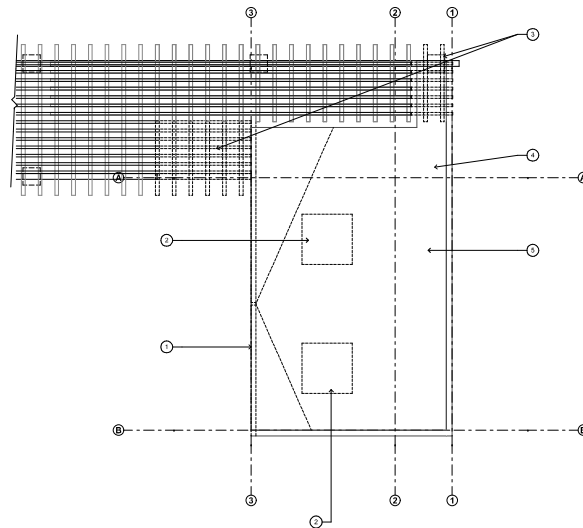
Proposed Roof Plan - Restrooms

Scale: 1/4" = 1'-0"

1

Proposed Roof Plan Keynotes:

1. ROOF PARAPET WALL
2. NEW TPO ROOF OVER TAPERED RIGID INSULATION
3. NEW FIXED SKYLIGHT - SEE WINDOW SCHEDULE SHEET A6.1
4. NEW SCUPPER - SEE DETAIL 2, S48.2
5. EXISTING 6X16 TRELLIS BEAM
6. EXISTING 4X6 @ 16" O.C. TRELLIS PICKET
7. EXISTING 2X3 TRELLIS
8. EXISTING COLUMN BELOW
9. PARTITION WALL BELOW



Demolition Roof Plan - Restrooms

Scale: 1/4" = 1'-0"

2

Demolition Roof Plan Keynotes:

1. EXISTING ROOF PARAPET WALL TO BE REMOVED AS REQUIRED FOR NEW WORK
2. EXISTING SKYLIGHT TO BE REMOVED AND REPLACED
3. EXISTING TRELLIS TO BE REMOVED AS REQUIRED
4. EXISTING TACKS AND FLASHING TO BE REMOVED AS REQUIRED
5. EXISTING ROOF MATERIAL TO BE REMOVED AS REQUIRED

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CASE # 00979716-PPD

DATE July 28, 2026

Rev.	Date	Revised
1	6/15/2026	Initial design
2	6/15/2026	Final design
3	6/15/2026	Final design
4	6/15/2026	Final design
5	6/15/2026	Final design
6	6/15/2026	Final design
7	6/15/2026	Final design
8	6/15/2026	Final design
9	6/15/2026	Final design
10	6/15/2026	Final design

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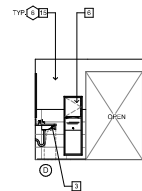
JOB NO: 17-203.1
Issue Date: 6/15/2026

Sheet Title:
Roof Plans - Restrooms

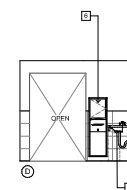
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Scale: 1/4" = 1'-0"



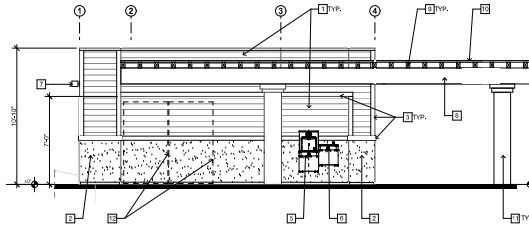
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NOTE:
REFER TO DETAILS 7, 8, 12, & 15/10 FOR ACCESSORY MOUNTING HEIGHTS

1. WALL TILE: ARIZONA TILE, PIETRA ITALIA SERIES, PIETRA ITALIA WHITE, 12 X 24
2. FLOOR TILE: ARIZONA TILE, PIETRA ITALIA SERIES, PIETRA ITALIA BLACK, 12 X 24
3. COVE BASE: SCHLUTER COVE BASE, ANODIZED ALUMINUM, COLOR SATIN NICKEL
4. EDGE TRIM: SCHLUTER EDGE TRIM, ANODIZED ALUMINUM, COLOR SATIN NICKEL
5. GROUT: LATITCHE, SPECTRALOCK 1 PRE-MIXED GROUT
6. RESTROOM WALL PAINT-VISTA PAINT, CO. CO. 002 BARELY WHITE

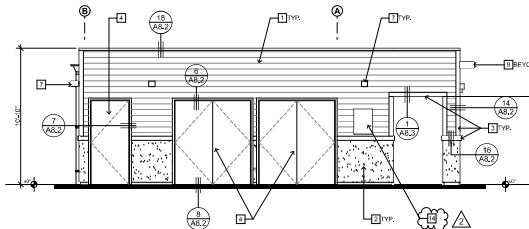
DATE July 28, 2026



Restrooms Exterior Elevations - Left

Scale: 1/4" = 1'-0"

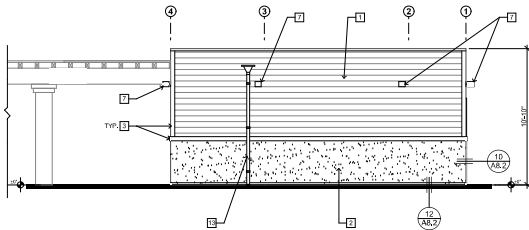
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Restrooms Exterior Elevations - Rear

Scale: 1/4" = 1'-0"

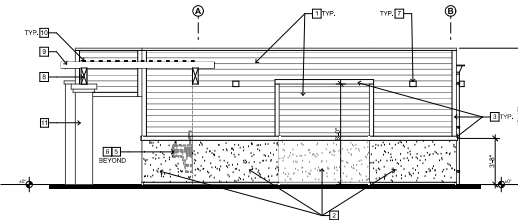
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Restrooms Exterior Elevations - Right

Scale: 1/4" = 1'-0"

3



Restroom Exterior Elevations - Front

Scale: 1/4" = 1'-0"

4

Exterior Elevation Keynotes:

1. NEW SIDING - HARBOR PLANK LAP SIDING, TEXTURE: SELECT CEDERMILL, COLOR: TO BE SELECTED BY CLIENT
2. NEW STUCCO SIDING BAND FINISH - 3 COAT 7/8" THICK - PAINTED, COLOR: VISTA PAINT-AP 0451
3. NEW TRIM - PAINTED, COLOR: VISTA PAINT-AP 0451
4. NEW DOOR - SEE DOOR SCHEDULE SHEET A6.1
5. NEW ACCESSIBLE DRINKING FOUNTAIN - SEE 2017.8 MANUFACTURER: MURDOCK MFG. MODEL: AT72485-US-VS-RF12-8CD
6. NEW DRINKING FOUNTAIN FOR STANDING PERSON - SEE 2017.8 MANUFACTURER: MURDOCK MFG. MODEL: AT72485-US-VS-RF12-8CD
7. NEW WALL MOUNTED EXTERIOR LIGHTING MANUFACTURER: ACCESS LIGHTING, MODEL: 2039LEDWG-GRND-4RZ, NAME: CURVE
8. EXISTING 6X16 TRELLIS BEAM
9. EXISTING 4X6 @ 16" O.C. TRELLIS PICKET
10. EXISTING 2X6 TRELLIS
11. EXISTING COLUMN
12. EXISTING VENDING MACHINE - RE-INSTALLED
13. NEW METAL DOWNSPOUT
14. NEW RECESSED-OUTLETTED 10 AMP ELECTRICAL PANEL



City of Irvine
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BY Director of Community Development

CASE # 00979716-PPD

DATE July 28, 2026

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Issue Date: 6/19/2026

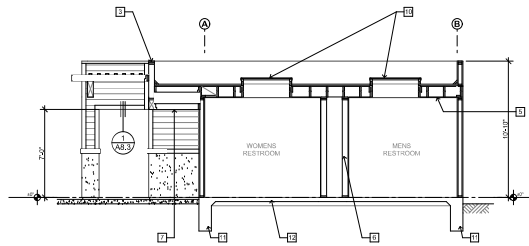
Sheet Title:
Exterior Elevations
- Restrooms



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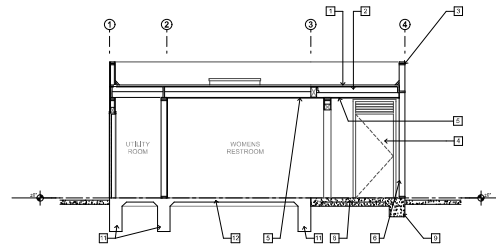




Restrooms Building Section

Scale: 1/4" = 1'-0"

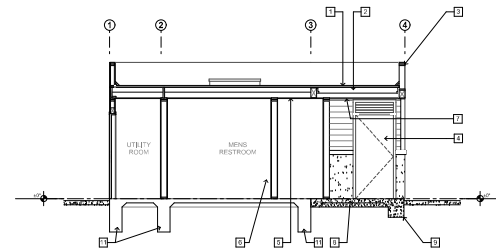
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Restrooms Building Section

Scale: 1/4" = 1'-0"

2



Restrooms Building Section

Scale: 1/4" = 1'-0"

1

- ☐ **Building Section Keynotes:**
 - 1. NEW 4" MLT POPE OVER TAPERED RIGID INSULATION - ADJUST ROOF TAPERAS REQUIRED
 - 2. NEW ROOF FRAMING - 2x6 @ 16" O.C.
 - 3. NEW PAPAVENT - 58L DUTCH 15WAL2
 - 4. NEW DOOR - SEE DOOR SCHEDULE SHEET A-5.1
 - 5. NEW 1/2" DOOR CEILING WITH LEVEL 5 FINISH - PAINTED
 - 6. NEW 2x4 FRAMING WITH 5/8" DOOR CEILING 5 FINISH - PAINTED
 - 7. NEW STUCCO SOFFIT SAND FINISH - 3 COAT 7/8" THICK - PAINTED
 - 8. NEW CONCRETE SLAB OVER 15" MLT VAPOR BARRIER OVER COMPACTED BASE
 - 9. NEW CONCRETE FOOTING - SEE STRUCTURAL DRAWINGS
 - 10. NEW FINED 8"X16" CLG. CURB MOUNTED - MANUFACTURER: AERIALITY SQUAR, MODEL: 4845454813241M4548, WITH CLEAR OUTER GLAZING
 - 11. EXISTING CONCRETE FOOTING
 - 12. EXISTING CONCRETE SLAB

Architects Seal:



Project:

Woodbridge Village Association
North Lake Tennis Club Accessibility Improvements
16 Eastlake
Irvine, CA 92604

City of Irvine
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CASE # 00979716-PPD

DATE July 28, 2026

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Job No: 17-320.1

Issue Date: 6/19/2026

Page 10 of 10

Steel Tiles:

Building Sections -

Restrooms

Case Number 00979716-PPD

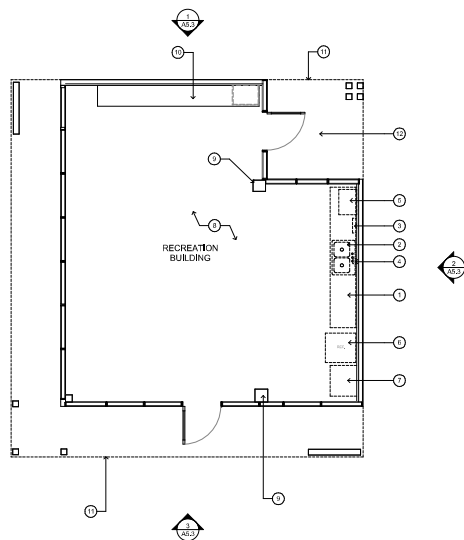
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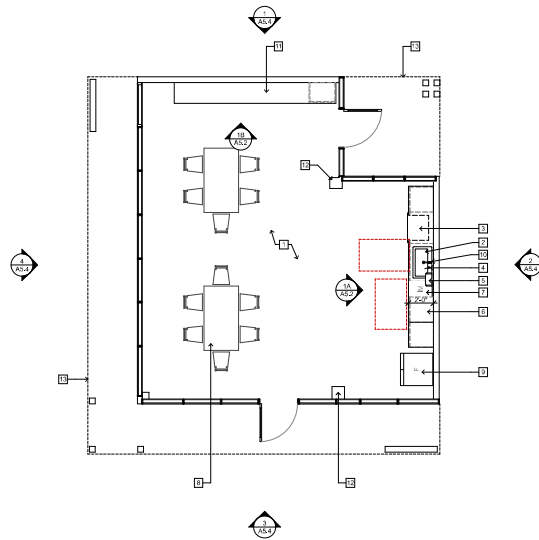


Demolition Floor Plan - Recreation Building

Scale: 1/4" = 1'-0"

2

Proposed Floor Plan - Recreation Building



Scale: 1/4" = 1'-0"

1

Proposed Floor Plan Keynotes:

1. PROPOSED VINYL PLANK FLOORING - CLIENT TO SELECT
2. PROPOSED ACCESSIBLE SINK - MANUFACTURER: BLANCO, STELLAR ADA STAINLESS STEEL, SATIN BRUSHED FINISH 411524
3. PROPOSED ACCESSIBLE MICROWAVE OVEN - GE PROFILE SERIES 32 CU FT, BUILT-IN SENSOR MICROWAVE OVEN - PESTIZANO - GRAY 18V, HT, ACCESSIBLE, COLOR: STAINLESS STEEL
4. PROPOSED ACCESSIBLE SOAP DISPENSER - MANUFACTURER: KRAUS, MODEL KS0-30, FINISH: SPOT FREE STAINLESS STEEL
5. PROPOSED ACCESSIBLE SURFACE MOUNTED PAPER TOWEL DISPENSER - BOSCH B-2001 CLASSIC SERIES, FOR MOUNTING HEIGHT SEE DETAIL 151.30
6. PROPOSED ACCESSIBLE COUNTERTOP - MEGARITE ACRYLIC SOLID SURFACE, COLOR: CRISTAL LIME MDO
7. PROPOSED ICE MAKER - MANUFACTURER: SUMMIT APPLIANCE, MODEL: BMAHGA04
8. PROPOSED FURNITURE
9. PROPOSED REFRIGERATOR - MANUFACTURER: FRIGIDAIRE FRENCH DOOR REFRIGERATOR, PRODUCT: FRIG7225W, COLOR: STAINLESS STEEL
10. PROPOSED SINGLE HANDLE KILL DOWN KITCHEN FAUCET - MANUFACTURER: KRAUS, MODEL: KPF-167A, FINISH: SPOT FREE STAINLESS STEEL
11. EXISTING COUNTER
12. EXISTING COLUMN
13. EXISTING ROOF LINE

NOTE:
INTERIOR OF THE RECREATION BUILDING TO BE PAINTED, COLOR TO BE SELECTED BY CLIENT

Legend:

- CLEARANCE FOR ACCESSIBILITY
- EXISTING WALL TO REMAIN

Demolition Floor Plan Keynotes:

1. EXISTING CASEWORK AND COUNTER TOP TO BE REMOVED
2. EXISTING SINK TO BE REMOVED
3. EXISTING PAPER TOWEL DISPENSER TO BE REMOVED
4. EXISTING SOAP DISPENSER TO BE REMOVED
5. EXISTING MICROWAVE BUILT-TO BE REMOVED
6. EXISTING REFRIGERATOR TO BE REMOVED
7. EXISTING STORAGE CABINET TO BE REMOVED
8. EXISTING FLOORING TO BE REMOVED
9. EXISTING COLUMN TO REMAIN
10. EXISTING COUNTER TO REMAIN
11. EXISTING ROOF LINE TO REMAIN
12. EXISTING CONCRETE LANDING TO BE REMOVED, NEW LANDING TO INTEGRATE WITH NEW SIDEWALK

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CASE # 00979716-PPD

DATE July 28, 2026

Legend:

- EXISTING WALL TO REMAIN
- EXISTING DOOR / FRAME TO REMAIN

Rev. Date Description
 1. 6/25/26 Initial revision - drawing
 2. 6/16/26 Initial revision - drawing

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Woodbridge Village Association
North Lake Tennis Club Accessibility Improvements
 16 Eastlake
 Irvine, CA 92604

SMITH / architects

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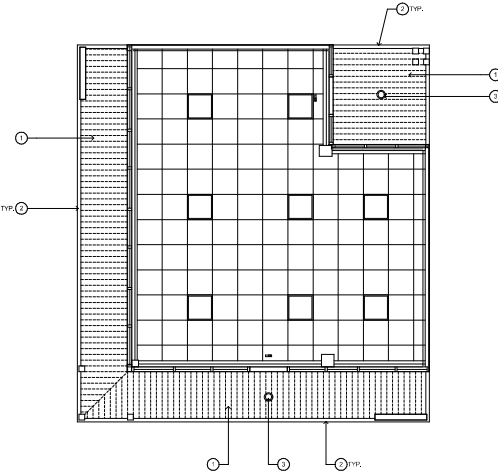
Job No: 17-203.1
 Issue Date: 6/19/2026

Drawn By:
Floor Plans - Rec Building

Sheet No.:
A5.0

Previously Approved Project:
 0000100 PPD

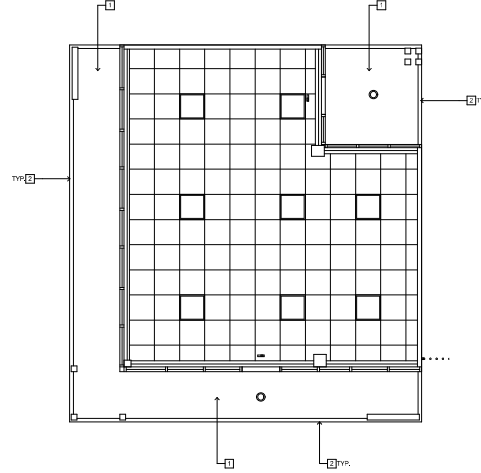
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Existing Ceiling Plan - Recreation Building

Scale: 1/4" = 1'-0"

2



Proposed Ceiling Plan - Recreation Building

Scale: 1/4" = 1'-0"

1

- Proposed Ceiling Plan Keynotes:**
1. NEW STUCCO SOFFIT - PAINTED, COLOR: VISTA PAINT/CP0451
 2. NEW TRIM - PAINTED, COLOR: VISTA PAINT/CP0451
 3. REPLACE EXISTING WATER DAMAGED CEILING TILES AS NEEDED

- Legend:**
- EXISTING EMERGENCY LIGHT FIXTURE TO REMAIN
 - NEW 4" RECESSED DOWNLIGHT FIXTURE WITH SELECTABLE CCT - MANUFACTURER: NORA LIGHTING, MODEL: NLT4411W/WWP
 - EXISTING LIGHT FIXTURE TO REMAIN
 - EXISTING TILE CEILING / GRID TO REMAIN

- Demolition Ceiling Plan Keynotes:**
1. EXISTING T & G CEILING TO BE REMOVED
 2. EXISTING TRIM TO BE REMOVED
 3. EXISTING RECESSED LIGHT FIXTURE TO BE REMOVED

City of Irvine
APPROVED

BY Director of Community Development

CASE # 00979716-PPD

DATE July 28, 2026

No.	Date	Revised
1	6/25/26	Initial revision - drawing
2	6/25/26	Initial revision - drawing
3		
4		
5		
6		

Architects Seal



Project

Woodbridge Village Association
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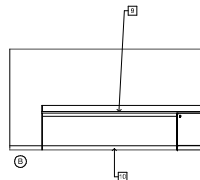
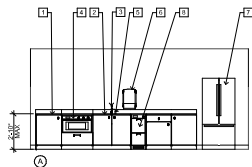
Job No: 17-203.1
Issue Date: 6/19/2026

Sheet Title:
Ceiling Plans - Rec Building

Sheet No.:
A5.1

Permanently Approved Project
00000100 PPD

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- ☐ Interior Elevation Keynotes:
1. PROPOSED ACCESSIBLE COUNTERTOP - MEGATITE ACRYLIC SOLID SURFACE, COLOR: CRATER LAKE M802.
 2. PROPOSED ACCESSIBLE SINK - MANUFACTURER: BLANCO, STELLAR ADA STAINLESS STEEL, SATIN BRUSHED FINISH #11035.
 3. PROPOSED SINGLE HANDLE PULL DOWN KITCHEN FAUCET - MANUFACTURER: KRAUS, MODEL: KPF-674, FINISH: SPOT FREE STAINLESS STEEL.
 4. PROPOSED ACCESSIBLE MICROWAVE OVEN - GE PROFILE SERIES 2.2 CUFT BUILT-IN SENSOR MICROWAVE OVEN - PERSZONDO - GRAY TRIM KIT: JX7238SLSS, COLOR: STAINLESS STEEL, FINISH: SPOT FREE STAINLESS STEEL.
 5. PROPOSED ACCESSIBLE SOAP DISPENSER - MANUFACTURER: KRAUS, MODEL: KS0-92, FINISH: SPOT FREE STAINLESS STEEL.
 6. PROPOSED ACCESSIBLE SURFACE MOUNTED PAPER TOWEL DISPENSER - BOBRICK 8-2625 CLASSIC SERIES, FOR MOUNTING HEIGHT SEE DETAIL 15T-10.
 7. PROPOSED REFRIGERATION - MANUFACTURER: FRIGIDAIRE, FRENCH DOOR REFRIGERATOR, PRODUCT: FR5STTC2AW, COLOR: STAINLESS STEEL.
 8. PROPOSED ICE MAKER - MANUFACTURER: SUMMIT APPLIANCE, MODEL: I8M4AGADA.
 9. EXISTING COUNTER
 10. WALL BASE - SEE DETAIL 06A.1

NOTE:
INTERIOR OF THE RECREATION BUILDING TO BE PAINTED, COLOR TO BE SELECTED BY CLIENT

Recreation Building - Interior Elevations

Scale: 1/4" = 1'-0"

1

City of Irvine
APPROVED

BY _____
Director of Community Development

CASE # 00979716-PPD

DATE July 28, 2026

Woodbridge Village Association
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JOB NO: 17-035.1
ISSUE DATE: 6/19/2026

Project Title:
Interior Elevations -
Rec Building



Sheet No.:
A5.2

Previously Approved Project:
0009103 PPD

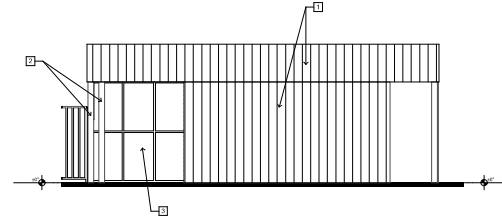
No.	Date	Revised
1	6/19/2026	Initial revision - drawing
2	6/19/2026	Final revision - drawing

Architect's Seal



Project

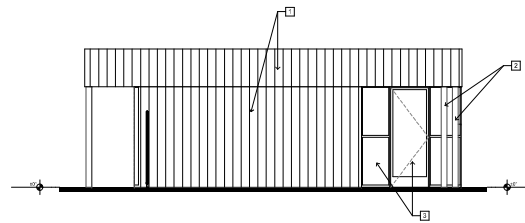
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Existing Recreation Building Exterior Elevations - Left

Scale: 1/4" = 1'-0"

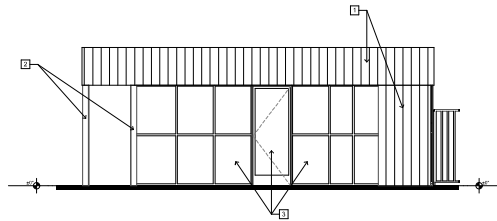
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Existing Recreation Building Exterior Elevations - Front

Scale: 1/4" = 1'-0"

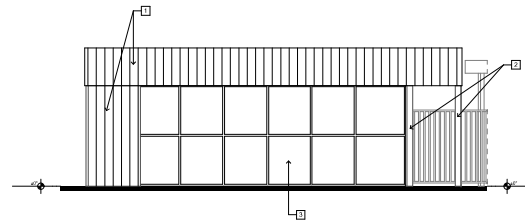
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Existing Recreation Building Exterior Elevations - Right

Scale: 1/4" = 1'-0"

3



Existing Recreation Building Exterior Elevations - Rear

Scale: 1/4" = 1'-0"

4

Exterior Elevation Keynotes:

1. EXISTING TRIM AND VERTICAL Siding TO BE REMOVED
2. EXISTING WOOD POST TO REMAIN
3. EXISTING WINDOWS AND DOORS TO REMAIN

No.	Date	Revised
1	6/15/2018	Initial revision - drawing
2	6/15/2018	Initial revision - drawing
3	6/15/2018	Initial revision - drawing
4	6/15/2018	Initial revision - drawing
5	6/15/2018	Initial revision - drawing
6	6/15/2018	Initial revision - drawing
7	6/15/2018	Initial revision - drawing
8	6/15/2018	Initial revision - drawing
9	6/15/2018	Initial revision - drawing
10	6/15/2018	Initial revision - drawing

Architects Seal



Project

Woodbridge Village Association
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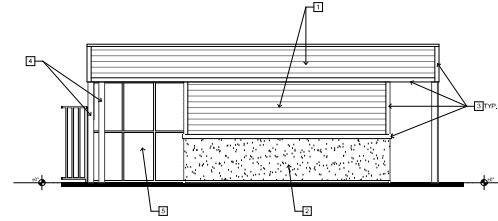
JOB No: 17-038.1
Issue Date: 6/19/2018

Sheet Title:
Existing Exterior
Elevations - Rec
Building

Sheet No.:
A5.3

Previously Approved Project
0000100 PFD

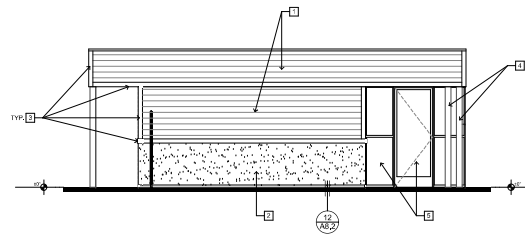
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Recreation Building Exterior Elevations - Left

Scale: 1/4" = 1'-0"

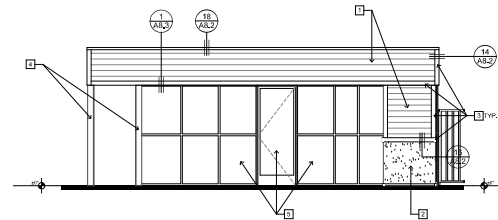
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Recreation Building Exterior Elevations - Front

Scale: 1/4" = 1'-0"

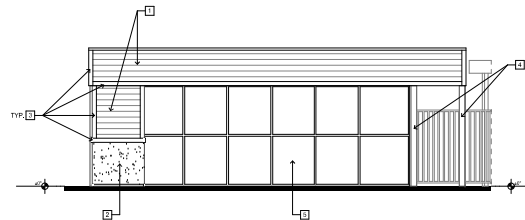
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Recreation Building Exterior Elevations - Right

Scale: 1/4" = 1'-0"

3



Recreation Building Exterior Elevations - Rear

Scale: 1/4" = 1'-0"

4

Exterior Elevation Keynotes:

1. NEW SIDING - HARBOR PLANK LAP SIDING, TEXTURE: SELECT CEDERWELL, COLOR: TO BE SELECTED BY CLIENT
2. NEW STUCCO SIDING BAND FINISH - 3 COAT 7/8" THICK - PAINTED, COLOR: MISTY PANT+P 0451
3. NEW TRIM - PAINTED, COLOR: MISTY PANT+P 0451
4. EXISTING WOOD POST - PAINTED
5. EXISTING WINDOWS AND DOORS TO REMAIN

City of Irvine
APPROVED
BY Director of Community Development
CASE # 00979716-PPD
DATE July 28, 2026

No.	Date	Revised
1	6/15/2026	Initial revision - drawing
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3		
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Job No: 17-030.1
Issue Date: 6/19/2026

Sheet Title:
Proposed Exterior Elevations - Rec Building
Sheet No.:
A5.4
Previously Approved Project:
0000109 PPD

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DOOR SCHEDULE														
ID	ROOM NAME	NOMINAL WIDTH	NOMINAL HEIGHT	LEAF THICKNESS	DOOR TYPE	DOOR MATERIAL	DOOR FINISH	FRAME MATERIAL	FRAME FINISH	HEAD DETAIL	JAMB DETAIL	SILL DETAIL	HARDWARE	REMARKS
100	WOMENS RESTROOM	3'-2"	7'-2"	1 3/4"	A	HM	P	WWS	P	6/6&2	7, 11&6.2	6/6&2	3, 5, 6, 11, 13, 16, 20, 36	TRANSOM VENTS
106	MENS RESTROOM	3'-2"	7'-2"	1 3/4"	A	HM	P	WWS	P	6/6&2	7, 11&6.2	6/6&2	3, 5, 6, 11, 13, 16, 20, 36	TRANSOM VENTS
108	STORAGE	3'-2"	7'-2"	1 3/4"	A	HM	P	WWS	P	6/6&2	7, 11&6.2	6/6&2	3, 5, 6, 11, 13, 16, 20, 36	TRANSOM VENTS
101	UTILITY ROOM	3'-2"	7'-2"	1 3/4"	A	HM	P	WWS	P	6/6&2	7, 11&6.2	6/6&2	3, 5, 6, 11, 13, 16, 20, 36	TRANSOM VENTS
101	UTILITY ROOM	3'-2"	7'-2"	1 3/4"	A	HM	P	WWS	P	6/6&2	7, 11&6.2	6/6&2	3, 5, 6, 11, 13, 16, 20, 36	TRANSOM VENTS

Door Hardware

1. PANE HARDWARE
2. ALARM PANE HARDWARE
3. CLOSER (EACH LEAF ON PAIR - UNO.)
4. FLOOR CLOSER
5. LOCKSET
6. LATCH (SET)
7. PRIMO LOCK
8. KEY-OPERATED DEADBOLT - (DOUBLE CYLINDER)
9. TRIM (OPERATED DEADBOLT - (SINGLE CYLINDER)
10. PUSH AND PULL PLATES
11. WORK PANE (EACH SIDE OF LEAF - UNO.)
12. WALL MOUNTED DOOR STOP
13. FLOOR MOUNTED DOOR STOP
14. FLOOR MOUNTED DOOR STOP WITH HOLD OPEN LATCH
15. SMOKE GASKETS
16. WEATHER STRIPPING
17. CAME BOLT AT INACTIVE LEAF
18. FLUSH ROLL AT INACTIVE LEAF
19. FUSIBLE LINK AND ALARM CONNECTED TO BUILDING FIRE ALARM SYSTEM
20. ASTRAGAL
21. DOOR ALARM
22. SINGLE LUMBY KNOB WITH ROLLER LATCH
23. PROVIDE FLUSH DEADBOLT AT HEAD AND THRESHOLD AT INACTIVE LEAF
24. GRAVITY HINGES

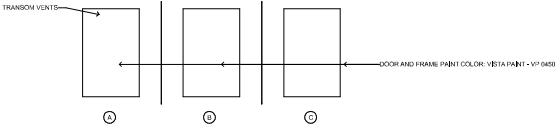
Materials / Finishes

- HM HOLLOW METAL DOOR
SCW SOLID CORE WOOD DOOR
WWS WELD METAL SEAMLESS DOOR FRAME - 16 GA.
YCM YACHTDOWN METAL DOOR FRAME - 16 GA.
DWP DRYWALL DOOR FRAME - 20 GA.
SD SOUND DOOR - REFER TO SPEC'S
ALUM EXTRUDED ALUMINUM FRAME
NA NOT APPLICABLE

- FINISHES
ESP EGG SHELL FINISH - LATEX PAINT
SGP SANGKLOS LATEX PAINT
FF FACTORY FINISH
P PAINT FINISH
V CLEAR BURN VARNISH

1. PROVIDE NON-REMOVABLE PINS ON ALL HINGES WHICH ARE ACCESSIBLE FROM THE EXTERIOR WHEN THE DOOR IS CLOSED.
2. PROVIDE CYLINDER GUARD ON ALL MORTISED OR RM TYPE CYLINDER LOCKS WHICH PROJECT BEYOND THE FACE OF DOOR.
3. PROVIDE STRAIGHT DEAD BOLTS WITH A MINIMUM THROW OF ONE INCH AND MINIMUM EMBEDMENT OF 5/8" INTO THE HOLDING DEVICE RECEIVING THE DEAD BOLT AT EXTERIOR DOORS.
4. ALL EXTERIOR DOORS SHALL BE OPENABLE FROM THE INSIDE WITHOUT THE USE OF KEY AND SPECIAL KNOWLEDGE OR EFFORT.
5. THE INACTIVE LEAF OF A PAIR OF DOORS SHALL HAVE METAL FLUSH BOLTS THAT EMBED 5/8" INTO THE HEAD AND THRESHOLD.
6. PROVIDE 1-1/2 PAIR OF HINGES AT SOLID CORE INTERIOR DOORS 7'-2" AND 2 PAIR OF HINGES AT DOORS OVER 7'-2".
7. PROVIDE WALL MOUNTED OR FLOOR MOUNTED DOOR STOPS AT ALL DOORS AS REQUIRED.
8. WOOD DOORS TO BE FINISHED BY DOOR MANUFACTURER - REFER TO SPEC'S.
9. ALL KEVED DOORS SHALL BE MASTER KEVED PER CLIENT'S DIRECTIONS.

Door Types



Door Notes

Door Schedule

WINDOW SCHEDULE									
WINDOW NUMBER		ROOM NAME		WINDOW SIZE		TYPE	HEAD DETAIL	JAMB DETAIL	SILL DETAIL
ROOM	ID			NOMINAL WIDTH	NOMINAL HEIGHT				
	114	WOMENS RESTROOM		2'-4"	8'-4"	A	-	-	-
	114	MENS RESTROOM		3'-4"	8'-4"	A	-	-	-

Skylight Types

FMED
MANUFACTURER: ADJUSTABLE SOLAR
MODEL: 4846-SL-SLT-C-10A-M-48



Window Schedule

City of Irvine
APPROVED

BY _____
Director of Community Development

CASE # 00979716-PPD

DATE July 28, 2026

Woodbridge Village Association
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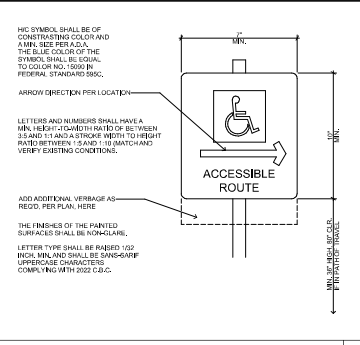
Job No: 17-030.1
Issue Date: 6/19/2026

Drawn By:
Door & Window
Schedules

Sheet No.:
A6.1

Previously Approved Project
00000100 PPD

		City of Irvine APPROVED BY Director of Community Development CASE # 00979716-PPD DATE July 28, 2026



NOTES:

1. TUBULAR STEEL OR ALUMINUM FENCE TO BE PRIMED AND PAINTED - COLOR TO MATCH EXISTING FENCE.
2. A KNOX BOX KEY VALVE SHALL BE INSTALLED, MOUNTED WITH TWO FEET OF THE LOCKING DEGREE AND FIVE FEET ABOVE FINISHED GRADE. THE VALVE SHALL BE SUB-MASTERED TO THE ORANGE COUNTY FIRE AUTHORITY FOR ACCESS BY THE POLICE DEPARTMENT.

FINISH SURFACE

1. 4 1/2" Ø MIN PVC SCH 40 POST SLERVE - TYP SET 12" BELOW FIN. SLAB SURFACE. SLERVE SHALL BE SET IN CONJUNCTION WITH ALL EXTERIOR BUILDING FOOTING REIN. PLACEMENT TO ACCOMMODATE SAME.
2. A CONTRACTOR MAY SET POSTS DIRECTLY IN EXISTING FOOTING POUR.
3. SEE CONSTRUCTION PLAN FOR CONC. SCORING PATTERNING AT POSTS.
4. 3 HEAVY DUTY SELF-LOCKING HINGES ON EACH LEAF - SUBMIT SHOP DRAWINGS FOR APPROVAL.
5. 7" x 7" x 1/4" ALUMINUM TOP, SIDES, MIDDLE & BOTTOM GATE MEMBERS.
6. 1/4" GLASS.
7. ADA APPROVED DOOR LEVER AND SELF-LOCKING LATCH SET HARDWARE ON EXTERIOR SIDE OF FENCE. W/ PANE HARDWARE ON INTERIOR SIDE - SUBMIT SHOP DRAWINGS FOR APPROVAL.
8. 1/2" x 7/8" 1/4" CORNER RADIUS ROUND CORNER BAR x 8" LONG W/ 1" RADIUS RETURNS TO 7" CLEAR OFFSET FROM GATE SIDE FRAME, WELD OR PUNCH INTO SIDE GATE FRAME. SUBMIT SHOP DRAWINGS FOR APPROVAL.
9. 7" x 7/8" 1/4" TUBE STEEL OR ALUMINUM POST - SET IN SLEEVES W/ DOWN CLAMET.
10. 1/8" THK. STEEL OR ALUMINUM PLATE WELDED TO BOTH SIDES OF GATE FRAME FOR ADA SMOOTH SURFACE REQUIREMENT.

ALUMINUM FRAME GATE

GATES AND OPENINGS

1. GATES AND DOORS OPENING INTO THE SPACE SHALL ALSO MEET THE FOLLOWING SPECIFICATIONS (311B.18):
2. GATES AND DOORS SHALL BE EQUIPPED WITH SELF-LOCKING AND SELF-ATTACHING LOCKING DEVICES. THE SELF-ATTACHING DEVICES SHALL KEEP THE GATE OR DOOR SECURELY CLOSED. GATES AND DOORS SHALL OPEN OUTWARDLY AWAY FROM THE SPACE EXCEPT WHERE OTHERWISE PROHIBITED BY LAW. HAND ACTIVATED DOOR OR GATE OPENING HARDWARE SHALL BE LOCATED AT A HEIGHT NO LOWER THAN 42 INCHES BUT NOT HIGHER THAN 44 INCHES ABOVE THE GROUND OR WALKWAY.
3. GATES AND DOORS SHALL BE CAPABLE OF BEING LOCKED DURING TIMES WHEN THE SPACE IS CLOSED. EXIST DOORS WHICH COMPLY WITH CHAPTER 10, TITLE 24, CALIFORNIA CODE OF REGULATION SHALL BE CONSIDERED AS MEETING THESE REQUIREMENTS.
4. THE SPACE SHALL HAVE AT LEAST ONE MEANS OF EGRESS WITHOUT A KEY FOR EMERGENCY PURPOSES. UNLESS ALL GATES OR DOORS ARE SO EQUIPPED, THOSE GATES AND DOORS WHICH WILL ALLOW EGRESS WITHOUT A KEY SHALL HAVE A SIGN IN LETTERS AT LEAST 4 INCHES HIGH STATING "EMERGENCY EXIT".
5. THE ENCLOSURE SHALL BE CONSTRUCTED SO THAT ALL PERSONS WILL BE REQUIRED TO PASS THROUGH COMMON SPACE ENCLOSURE GATES OR DOORS IN ORDER TO GAIN ACCESS TO THE SPACE. ALL GATES AND DOORS ENTERING THE SPACE SHALL OPEN INTO A PUBLIC AREA OR WALKWAY ACCESSIBLE BY ALL PATRONS OF THE SPACE.
6. POST ON THE EXTERIOR SIDE OF GATES AND DOORS LEADING INTO THE ENCLOSURE AREA STATING "KEEP GATE CLOSED" IN MINIMUM 4 INCHES HIGH LETTERING (31206.10)

Gate Elevation

Notes:

1. NEW TO PROOF
2. NEW STUCCO FINISH
3. NEW ADDRESS SIGN
4. NEW 4x4 METAL POSTS
5. NEW GATE WITH PANE - W/ HARDWARE AND DEAD BOLT
6. NEW ALUMINUM FENCE. COLOR AND FINISH TO MATCH EXISTING
7. NEW CAN LIGHTS
8. NEW CARD READER

Plan

Elevation A

Elevation B

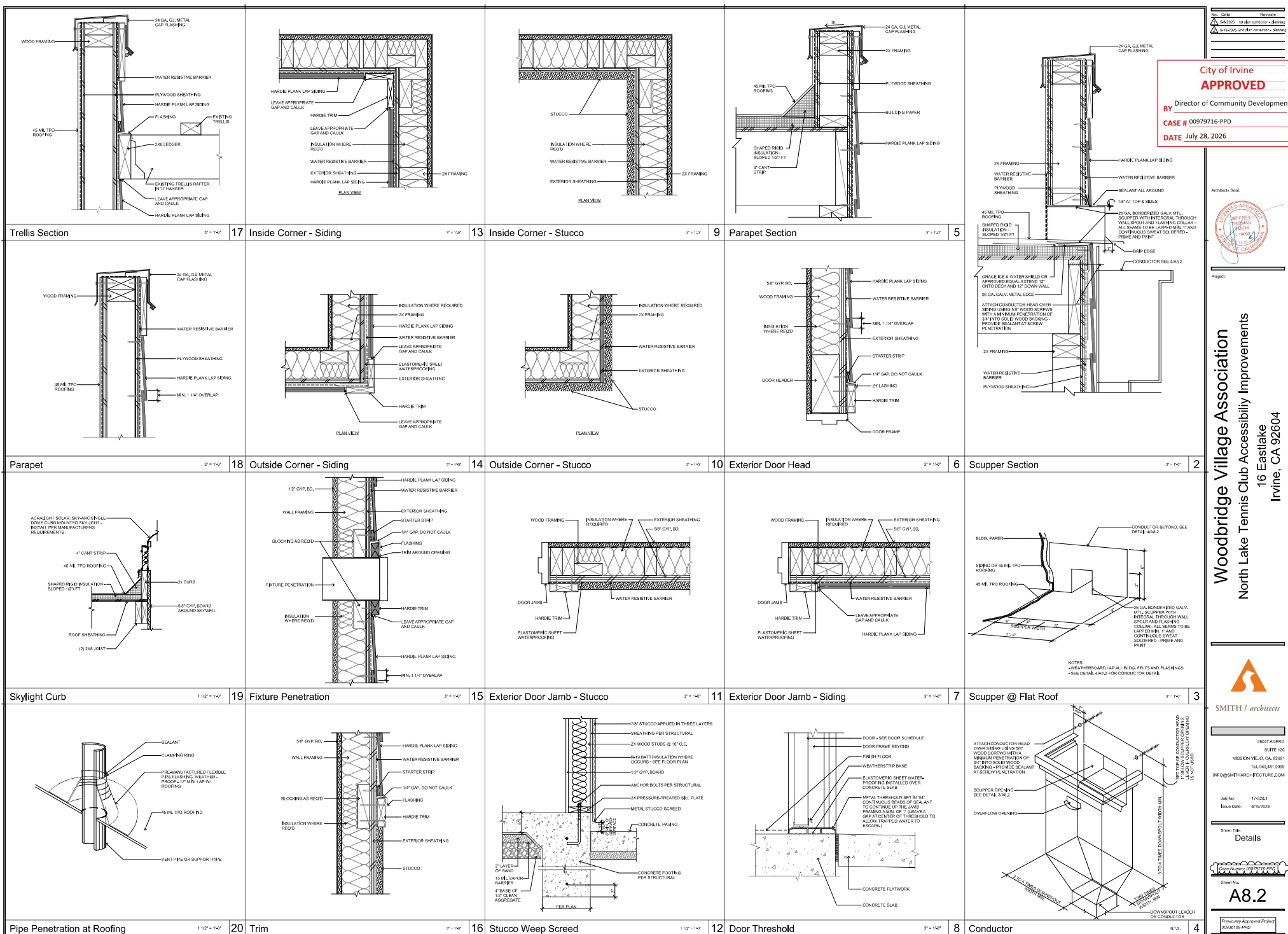
Profile View

Concrete Paving

Control & Expansion Joints

Bollard Light

Dowel Detail

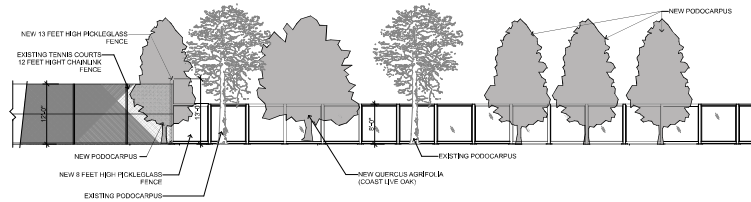


Plant Legend

	Botanical Name	Common Name	Form	Water Use (Wucol)	Mature Spread	Mature Height	Size	Spacing	Qty.	Comments
Trees										
T1	Quercus agrifolia	Coast Live Oak	Single-Trunk	Low	15'-35'	25'-82'	36" box	per plan	6	
T2	Lagerstroemia indica x fauriei 'Muskogee'	Muskogee Crape Myrtle	Standard	Low	15'-25'	15'-30'	24" box	per plan	6	Match
T3	Podocarpus macrophyllus	Yew Pine	Standard	Moderate	20'	30'-50'	15 gal.	per plan	5	Standard, tree form
T4	Olea europaea 'Skylark Dwarf'	Skylark Dwarf Olive	Standard	Low	8'-12'	8'-12'	24" box	per plan	1	
T5	Quercus agrifolia	Coast Live Oak	Single-Trunk	Low	15'-35'	25'-82'	15 gal.	per plan	1	
T6	Ulmus parvifolia	Chinese Elm	Single-Trunk	Moderate	25'-40'	40'-50'	15 gal.	per plan	1	
Shrub										
S1	Podocarpus macrophyllus 'Maki'	Shrubby Yew Podocarpus	Hedge	Moderate	3'-5'	8'-10'	15 gal.	4' O.C.		Male only
S2	Salvia leucantha	Mexican Bush Sage	—	Low	4'-6'	4'-6'	5 gal.	per plan		
S3	Podocarpus elongatus 'Monmal'	Icee Blue Yellow-Wood	—	Moderate	15'-25'	15'-25'	15 gal.	per plan	6	
S4										
S5	Strelitzia reginae	Bird of Paradise	—	Moderate	3'-5'	3'-5'	5 gal.	per plan		
Ground cover										
GC1	Dianella tasmanica 'Variegata'	White Striped Tasman Flax Lily	—	Moderate	2'-4'	2'-3'	5 gal.			cut back 1 foot at the location next to the parking space
GC2	Carissa macrocarpa 'Green Carpet'	Dwarf Natal Plum	—	Low	1'	1'-4'	1 gal.			
GC3	Pennisetum massaicum 'Red Bunny Tails'	Red Bunny Tails Fountain Grass	—	Moderate	1'-2'	1'-2'	1 gal.			
GC4	Pelargonium 'Pink Capitatum'	Geranium	—	Moderate	1'-2'	1'-2'	1 gal.			

Landscape Plant Legend

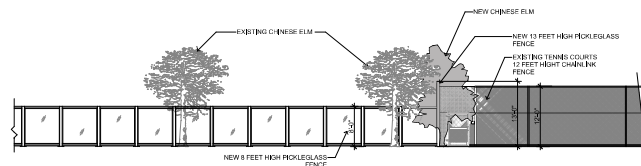
1



Elevation - North

Scale: 1" = 10'-0"

2



Elevation - West

Scale: 1" = 10'-0"

3

City of Irvine
APPROVED

BY Director of Community Development
CASE # 00979716-PPD
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JOB NO: 17-020.1
ISSUE DATE: 6/19/2026

Sheet Title:
Landscape Plant Legend and Court Elevations

Sheet Number: 00079716-PPD

Sheet No.:

L1.7

Previously Approved Project:
00080100-PPD

Rev. Date Description
1 6/15/2026 1st design revision - drawing
2 6/15/2026 2nd design revision - drawing

Architects Seal



Project

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Acoustical Analysis Report for Woodbridge Village Association – North Lake Tennis Club

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ENCLOSURE 2

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1.0 Executive Summary

The proposed project, Woodbridge Village Association – North Lake Tennis Club Renovation and Accessibility Improvements, consists of the accessibility improvements for the North Lake Tennis Club (NLTC), which includes the conversion of a tennis court into additional pickleball courts. The noise produced by the use of the pickleball courts is the focus of this analysis. The project site is located at 16 Eastlake in the City of Irvine, California.

The purpose of this report is to assess potential future noise impacts from the use of pickleball courts at the NLTC and to determine if mitigation is necessary and feasible to reduce project-related property line noise impacts to comply with applicable noise limits. Noise limits specified within the City of Irvine Code of Ordinances must be met at surrounding noise-sensitive receivers. Additionally, the Woodbridge Village Association (WVA) sound standard, approved by the WVA Board of Directors, must be met at surrounding noise-sensitive receivers. As the WVA sound standard is more strict, it was applied at surrounding residential receivers.

As detailed in Section 5.0 herein, with proposed mitigation detailed in Scenario 2, Scenario 4, Scenario 7, Scenario 8, or Scenario 9 in place, anticipated noise levels from the proposed pickleball courts are not expected to exceed the WVA noise limits of an adjusted L_{EQ} of 55 dBA at surrounding properties. Therefore, provided the mitigation detailed in either Scenario 2, Scenario 4, Scenario 7, Scenario 8, or Scenario 9 is installed on site, project-generated noise from pickleball play is expected to be in compliance with all applicable regulations.

2.0 Introduction

This acoustical analysis report is submitted to satisfy the noise requirements of the City of Irvine and the Woodbridge Village Association (WVA). Its purpose is to assess noise impacts from future pickleball noise sources and to determine if mitigation will be necessary to reduce the noise impacts to meet the applicable noise limits of the City of Irvine and the WVA.

All noise level or sound level values presented herein are expressed in terms of decibels (dB), with A-weighting, abbreviated “dBA,” to approximate the hearing sensitivity of humans. Time-averaged noise levels are expressed by the symbol L_{EQ} for a specified duration. Unless a different time period is specified, L_{EQ} is implied to mean a period of one hour.

The L_{90} descriptor is the noise level which is exceeded for 90 percent of a measurement period, and typically represents the background or steady noise level minus any extraneous, short-term noises that occur during the measurement.

Some of the data may also be presented as octave-band-filtered and/or 1/3-octave-band-filtered data, which are a series of sound spectra centered about each stated frequency, with half of the bandwidth above and half of the bandwidth below each stated frequency. This data is typically used for machinery noise analysis and barrier calculations. Sound pressure is the actual noise experienced by a human or registered by a sound level instrument. When sound pressure is used to describe a noise source, the distance from the noise source must be specified in order to provide complete information.

2.1 Project Description

The proposed project, Woodbridge Village Association – North Lake Tennis Club Renovation and Accessibility Improvements, consists of the accessibility improvements for the North Lake Tennis Club (NLTC). The primary proposed improvement of acoustical concern is the conversion of a tennis court into additional pickleball courts. As pickleball play produces a higher noise level than tennis, the proposed increased number of pickleball courts is expected to generate a higher noise level than the current court configuration at the NLTC. Therefore, mitigation of noise from pickleball activities is expected to be required. The existing hours of pickleball play are 8 a.m. to 10 p.m. daily.

For additional project details, please refer to the project plans provided in Appendix A.

2.2 Project Location

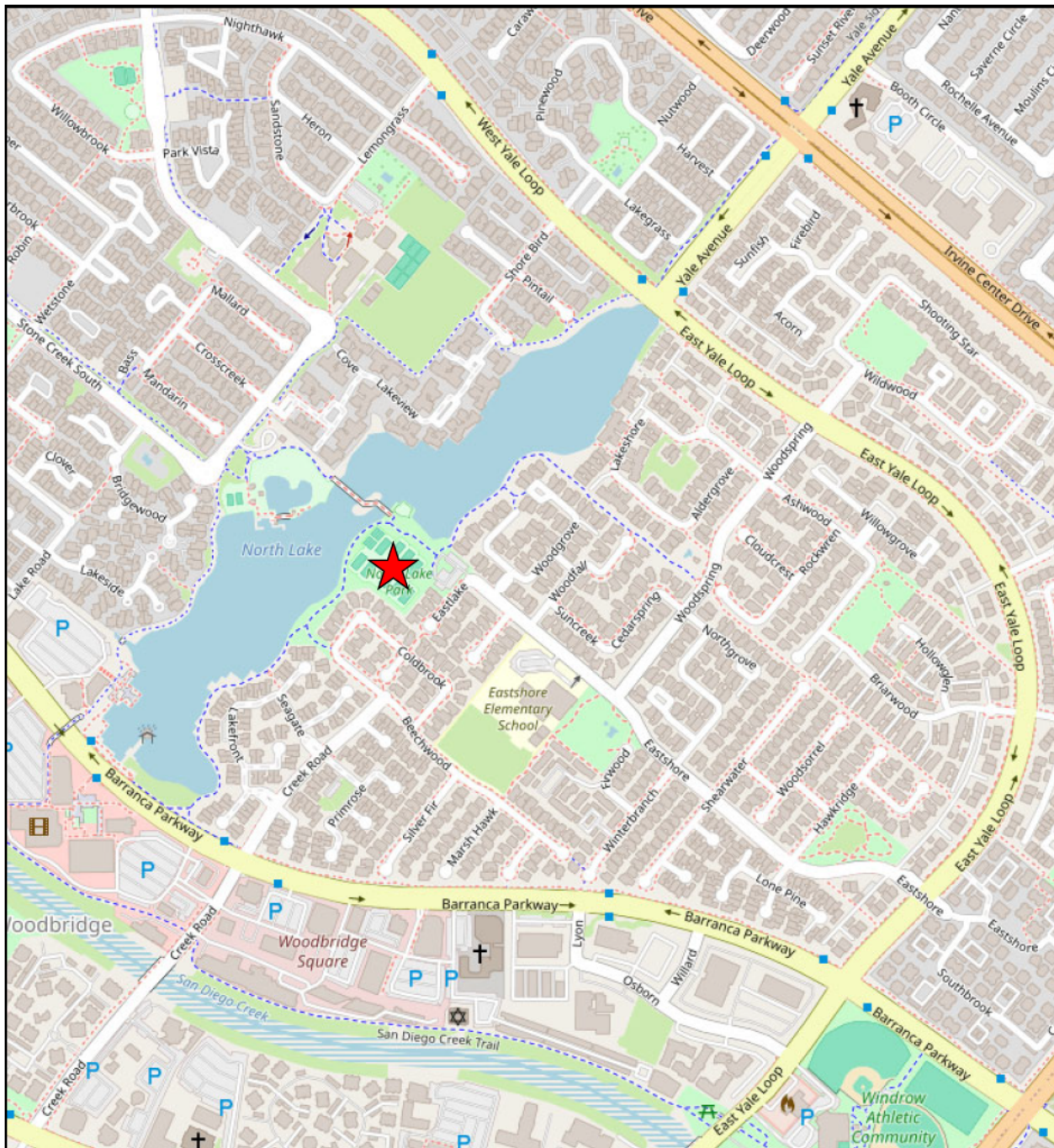
The project site is located at 16 Eastlake in the City of Irvine, California. The Assessor's Parcel Number (APN) for the project site is 451-681-01. The site is currently occupied by the NLTC, which includes a clubhouse, nine tennis courts, and four pickleball courts. The project site is surrounded by residential receivers to the north (across North Lake), south, east, and west. For a graphical representation of the site, please refer to the Vicinity Map, Assessor's Parcel Map, and Satellite Aerial Photograph, provided as Figures 1 through 3, respectively.

2.3 Applicable Noise Regulations

The City of Irvine requires that noise levels produced on site must meet the standards detailed in the City of Irvine Code of Ordinances (see references). Section 6-8-204 of the City of Irvine Code of Ordinances states that standard noise produced by project-generated noise sources shall not exceed an average noise level of 60 dBA L_{EQ} during the daytime hours of 7 a.m. to 10 p.m. and 55 dBA L_{EQ} during the nighttime hours of 10 p.m. to 7 a.m. at surrounding residential receivers. The Code of Ordinances also states that, where the noise source is impact noise (as is the case with pickleball ball strikes), the noise limits shall be reduced by 5 dBA. As the allowed hours of pickleball court usage fall within the daytime hours, the applicable City of Irvine noise limit would be 55 dBA L_{EQ} , considering the 5 dB penalty.

Additionally, the WVA Board of Directors adopted sound standards for pickleball near residential properties. According to WVA documentation, pickleball noise must be limited to an adjusted equivalent sound pressure level of 55 dBA L_{EQ} at the ground-level property line and second-story exterior decks of surrounding residential properties, based on ANSI S12.9 standards. It should be noted that, although a small group of professionals believe pickleball should be classified as a "highly impulsive" noise source, based on the examples provided in Part 4 of the ANSI S12.9 standard for highly impulsive sound sources (small-arms gunfire, metal hammering, wood hammering, drop hammering, pile driving, drop forging, pavement breaking, etc.), it is the professional opinion of Consultant that pickleball noise does not align with any of those examples. Although the ANSI standard does not provide examples of regular impulsive sound, the International Organization for Standardization (ISO) Standard 1996-1 (Acoustics – Description, Measurement and Assessment of Environmental Noise - Part 1: Basic quantities and Assessment Procedures) provides examples of regular impulsive sound sources (slamming of car door, outdoor ball games, and church bells). For these reasons, Consultant considers pickleball sound as a regular impulsive sound rather than a highly impulsive sound. As the ANSI S12.9 standard applies a 5 dB penalty for regular impulsive noise sources such as pickleball, the applicable unadjusted noise limit would be 50 dBA L_{EQ} . With the 5 dBA penalty in place, this results in an adjusted equivalent sound pressure level limit of 55 dBA L_{EQ} . Further explanation may be provided upon request.

Pertinent sections of the City of Irvine Code of Ordinances are provided as Appendix B.

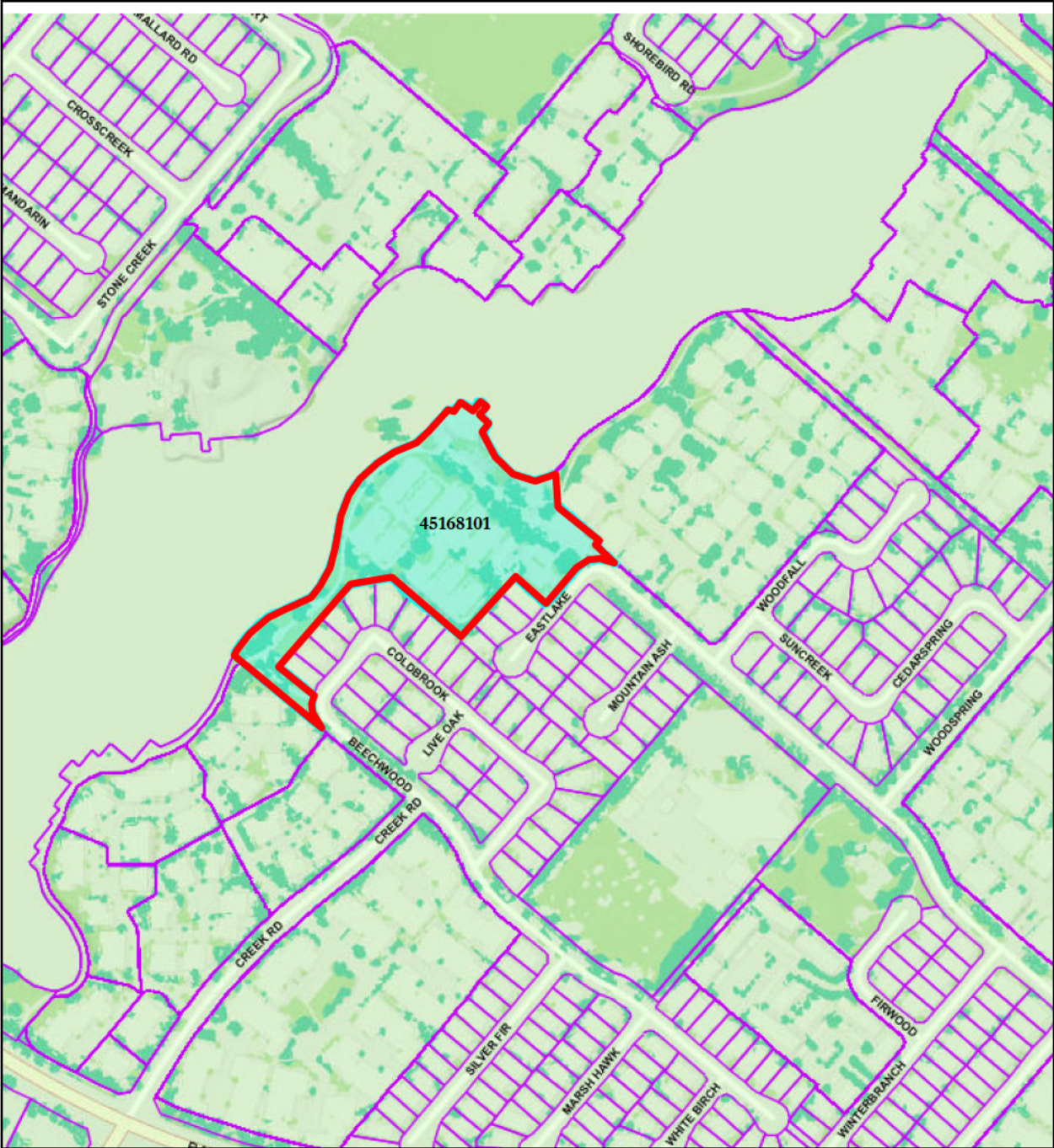


Source: Open Street Map, 2026



Project Location

Figure 1.
Vicinity Map



Source: Orange County GIS, 2026



Project Location

Figure 2.
Assessor's Parcel Map



Source: Google Earth Pro, 2026



 Noise Measurement Locations

Figure 3.
Satellite Aerial Photograph

3.0 Environmental Setting

3.1 Existing Noise Environment

An on-site inspection and pickleball noise measurements were made on the morning of Tuesday, January 13, 2026. On-site weather conditions were as follows: sunny and clear skies, 3 mph wind, temperature in the upper 60s, with moderate humidity. On-site noise measurements were made during pickleball play at the existing pickleball courts, with measurements taken at five different locations on and around the site, which are shown in Figure 3. During noise measurements, one to three of the four pickleball courts were in use, with players taking short breaks between games. The existing pickleball courts are surrounded by 10-foot-high sound barriers along the northeastern, northwestern, and southwestern boundaries of the existing pickleball courts. At each noise measurement location, the microphone was placed at a height of five feet above the existing grade. After a continuous sound level measurement, no changes in the L_{EQ} were observable and results were recorded. The measured noise levels are shown in Table 1.

Table 1. On-Site Measured Noise Levels				
Location	Description	Time	Average Noise Level (dBA L_{EQ})	Note(s)
NML1	Pickleball Courts	10:12 a.m. – 11:41 a.m.	62.9	One to three pickleball courts in use, with players taking short breaks between games
NML2	Near Restroom Building	10:27 a.m. – 10:42 a.m.	49.0	Noise from pickleball courts is slightly audible, but not primary source of noise
NML3	Tennis Court	10:51 a.m. – 10:58 a.m.	48.7	Noise from pickleball courts is audible, with additional noise from tennis and patrons talking
NML4	Near 7 Island View	11:11 a.m. – 11:16 a.m.	45.7	Noise from pickleball courts is barely audible during quieter periods of background noise. Ambient noise is the dominant source of noise at this location
NML5	Near Southwest Residential	11:27 a.m. – 11:33 a.m.	44.2	Noise from pickleball courts is audible, with additional traffic and aircraft noise sources

As measurement location NML2 had a direct line of sight to the pickleball courts, the number of pickleball courts in use at any given time could be visually monitored during the noise measurement at this location. An applicable portion of the on-site noise measurement data obtained at NML1 while three courts were in use and the corresponding time synchronized data collected at NML 2 were used to establish a baseline condition. A noise analysis was performed using CadnaA noise modeling software with the same number and locations of pickleball noise sources incorporated into the noise model as was observed to be present during this period of the measurements, with receivers input in the noise model at the same locations as NML1 and NML2. This analysis was performed to determine whether the CadnaA noise model would be appropriate for use in the evaluation of future noise impacts at off-site receivers. Additional information on the measured and modeled noise levels is presented in Table 2.

Table 2. Measured vs Modeled Noise Levels

Location	Time of Measurement	Number of Courts in Use	Average Noise Level (dBA L _{EQ})		Note(s)
			Measured	Modeled	
NML1	10:32 a.m. – 10:40 a.m.	3	63.8	71.3	Pickleball noise was by far the dominant source at this location. Measured noise level was not impacted by the ambient noise environment
NML2			48.8 ¹	50.6	Noise from pickleball courts is slightly audible, but ambient noise level was measured to be 44.2 dBA L ₉₀

¹At this location, the overall noise level (including ambient noise) was measured to be 50.1 dBA LEQ during this time period. In order to determine the noise level from pickleball noise without contribution from ambient noise sources, the ambient noise level of 44.2 dBA L₉₀ was subtracted from the overall noise level, resulting in a noise level of 48.8 dBA L_{EQ} at this location due to pickleball activity.

The on-site noise measurements during a period when three pickleball courts were observed to be in use averaged 63.8 dBA at NML1 and 48.8 dBA at NML 2. The results of the CadnaA noise model, with the same quantity and locations of pickleball sources as present during this measurement period, were noted to be higher than the measured noise levels at the same receiver locations. Additionally, it should be noted that in a report prepared for the WVA by Spendiarian & Willis Acoustics & Noise Control LLC (*Pickleball Sound Level Baseline Testing and Standard – North Lake at Woodbridge Village, October 2, 2025*) the measured pickleball noise level at 18 Eastlake (in very close proximity Consultant’s measurement location for NML2) was an unadjusted noise level of 41.9 dBA L_{EQ} at the 18 Eastlake property line, with two courts in use. This equates to an unadjusted level of 44.9 dBA with four courts in use, which is quieter than the CadnaA modeled result of 50.6 dBA with one fewer court in use. As the CadnaA noise model results were higher than both Consultant’s own measured noise level and the measured noise level from the Spendiarian & Willis acoustical report, the noise model is considered to be representative of a conservative analysis of project-generated noise levels at surrounding properties.

3.2 Future Noise Environment

The future noise environment in the vicinity of the project site will be primarily a result of the same ambient and pickleball noise sources, as well as the noise produced by the use of proposed additional pickleball courts. The proposed project consists of the conversion of an existing tennis court for pickleball use, expanding the total number of pickleball courts at the facility from four in the existing configuration to a total of seven pickleball courts in the future planned configuration.

4.0 Methodology and Equipment

4.1 Methodology

Modeling of the outdoor noise environment is accomplished using CadnaA Version 2026, which is a model-based computer program developed by DataKustik for predicting noise impacts in a wide variety of conditions. CadnaA (Computer Aided Noise Abatement) assists in the calculation, presentation, assessment, and alleviation of noise exposure. It allows for the input of project information such as noise source data, barriers, structures, and topography to create a detailed model and uses the most up-to-date calculation standards to predict outdoor noise impacts. Noise standards used by CadnaA that are particularly relevant to this analysis include ISO 9613-2 (Attenuation of sound during propagation outdoors). CadnaA provides results that are in line with basic acoustical calculations for distance attenuation and barrier insertion loss.

4.2 Measurement Equipment

The following equipment was used at the site to measure existing noise levels:

- Larson Davis Model LxT Type 1 Sound Level Meter, Serials # 4084 and 6558
- Larson Davis Model CAL200 Type 1 Calibrator, Serial # 16455

The sound level meter was field-calibrated immediately prior to the noise measurement and checked afterward to ensure accuracy. All sound level measurements presented in this report, in accordance with the regulations, were conducted using a sound level meter that conforms to the American National Standards Institute specifications for sound level meters (ANSI S1.4). All instruments are maintained with National Institute of Standards and Technology (NIST) traceable calibration, per the manufacturers' standards.

5.0 Noise Impacts

Noise levels of the proposed pickleball activities were calculated using CadnaA at the nearest property lines to the north, south, east, and west of the project site. All other noise-sensitive receivers are located at a further distance from the noise sources, and therefore are expected to be exposed to lower noise levels, due to distance attenuation and shielding from intervening structures. As per industry standard, the receivers were calculated at a height of five feet above grade to represent the height of an average individual's ears above ground level; receivers at second-story exterior decks were calculated at a height of 15 feet above grade to represent the height of a second-floor receiver.

Calculations were performed to determine anticipated noise impacts from pickleball play. Calculations consider noise shielding from surrounding topography and the existing clubhouse structures. Calculations consider that all seven proposed pickleball courts would be in use continuously during the hour for a worst-case analysis. As detailed in Section 3.1, based on measured noise levels on site, the source noise levels used are also expected to be conservative.

Calculations were performed considering the following mitigation scenario options:

- Scenario 1.** Install 13-foot-high solid barriers on all four sides of the pickleball courts.
- Scenario 2.** Install 13-foot-high chain link fence with sound blankets on the northeast, northwest, and southwest sides of the pickleball courts AND install 13-foot-high solid barrier on the southeast side of the pickleball courts.
- Scenario 3.** Install 10-foot-high chain link fence with sound blankets on the northeast, northwest, and southwest sides of the pickleball courts AND install 10-foot-high solid barrier on the southeast side of the pickleball courts.
- Scenario 4.** Install 12-foot-high chain link fence with sound blankets on all four sides of the pickleball courts.
- Scenario 5.** Install 13-foot-high solid barriers with sound blankets on the upper 3 feet of the solid barrier (13-foot-high total) on the northeast, southeast, and southwest sides of the pickleball courts AND install 10-foot-high solid barrier with sound blankets on the upper 3 feet of the solid barrier (10-foot-high total) on the northwest side of the pickleball courts.
- Scenario 6.** Install 13-foot-high solid barriers with sound blankets on the upper 3 feet of the solid barrier (13-foot-high total) on all four sides of the pickleball courts.
- Scenario 7.** Install 13-foot-high solid barriers on all four sides of the pickleball courts AND install sound blankets on the upper 8 feet of the solid barriers of the northeast side and the northern portion of the northwest side of the pickleball courts (absorption locations shown in Figure 5).
- Scenario 8.** Install 13-foot-high solid barriers on the southeast and southwest sides of the pickleball courts AND install 8-foot-high solid barriers on the northeast and northwest sides of the pickleball courts.
- Scenario 9.** Install 13-foot-high solid barriers on the southeast and southwest sides of the pickleball courts AND install 10-foot-high solid barriers on the northeast and northwest sides of the pickleball courts, with sound blankets on the upper 5 feet of the solid barriers of the northeast side and the northern portion of the northwest side of the pickleball courts (absorption locations shown in Figure 5).

In each of the above scenarios, a solid barrier would include glass (including Pickleglass), wood, plastic, fiberglass, steel, or a combination of those materials. If wood is used, it must be tongue and groove and must be at least 7/8-inch-thick or have a surface density of at least 3-1/2 pounds per square foot. Any door or gate(s) must be designed with overlapping closures on the bottom and sides and meet the minimum specifications of the wall materials described above. The gate(s) may be of 3/4-inch-thick or greater wood, solid-sheet metal of at least 18-gauge metal, or an exterior-grade solid-core steel door with prefabricated door jambs. Where sound blankets are proposed, the absorptive face of the material should face inward towards the pickleball courts. Appropriate sound blanket products include the following: model VIVID BBC-2", manufactured by Sound Seal; outdoor rated AcoustiFence Pickleblok RPA (with an absorptive facing), manufactured by Acoustiblok; or equivalent products with an STC rating of at least 26 and an NRC rating of at least 0.65. Alternative products should be confirmed by Consultant to ensure that proposed products meet required acoustical criteria.

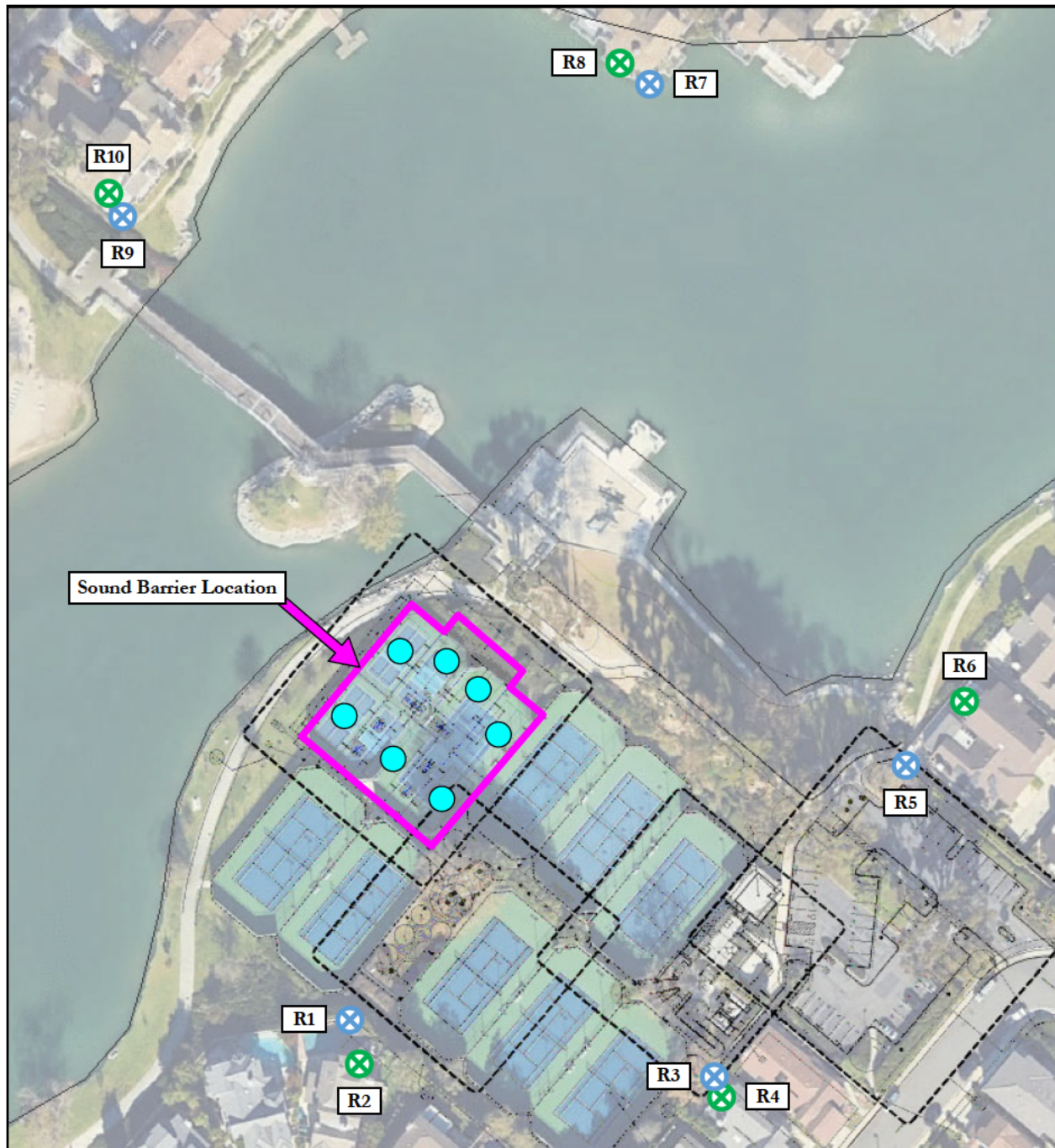
Results of the analysis are shown in Tables 3 through 11. A graphical representation of pickleball noise source and receiver locations is shown in Figure 4. Additional information can be found in Appendix C: CadnaA Analysis Data and Results.

Noise Impacts – Scenario 1

Mitigation Scenario 1 is proposed to consist of the installation of 13-foot-high solid barriers on all four sides of the pickleball courts. Noise levels at surrounding properties considered the proposed mitigation are shown in Table 3.

Table 3. Calculated Noise Levels at Surrounding Properties – Scenario 1						
Receiver	Location	Noise Level (dBA L _{EQ})			WVA Limit (Adjusted dBA L _{EQ})	In Compliance?
		Calculated	Impulse Penalty	Adjusted		
R1	34 Coldbrook Ground Floor	50.9	+5	55.9	55	No
R2	34 Coldbrook Second-Floor Deck	51.6	+5	56.6	55	No
R3	20 Eastlake Ground Floor	46.5	+5	51.5	55	Yes
R4	20 Eastlake Second-Floor Deck	48.2	+5	53.2	55	Yes
R5	19 Springwood Ground Floor	46.3	+5	51.3	55	Yes
R6	19 Springwood Second-Floor Deck	47.0	+5	52.0	55	Yes
R7	35 Lakeview Ground Floor	46.5	+5	51.5	55	Yes
R8	35 Lakeview Second-Floor Deck	45.4	+5	50.4	55	Yes
R9	7 Islandview Ground Floor	45.3	+5	50.3	55	Yes
R10	7 Islandview Second-Floor Deck	45.6	+5	50.6	55	Yes

As shown in Table 3 above, with the installation of 13-foot-high solid barriers on all four sides of the pickleball courts in place, noise levels at worst-case receivers are expected to exceed the WVA noise limits. Therefore, a different mitigation scenario will be required.



Source: Smith Architects, 2025; Google Earth Pro, 2025



-  Ground-Floor Receiver Location
-  Second-Floor Receiver Location
-  Noise Source Location

Figure 4.

Pickleball Noise Source and Receiver Locations

Noise Impacts – Scenario 2

Mitigation Scenario 2 is proposed to consist of the installation of 13-foot-high chain link fencing with sound blankets on the northeast, northwest, and southwest sides of the pickleball courts and a 13-foot-high solid barrier on the southeast side of the pickleball courts. Noise levels at surrounding properties considered the proposed mitigation are shown in Table 4.

Table 4. Calculated Noise Levels at Surrounding Properties – Scenario 2						
Receiver	Location	Noise Level (dBA LEQ)			WVA Limit (Adjusted dBA L _{EQ})	In Compliance?
		Calculated	Impulse Penalty	Adjusted		
R1	34 Coldbrook Ground Floor	48.2	+5	53.2	55	Yes
R2	34 Coldbrook Second-Floor Deck	49.0	+5	54.0	55	Yes
R3	20 Eastlake Ground Floor	44.5	+5	49.5	55	Yes
R4	20 Eastlake Second-Floor Deck	46.2	+5	51.2	55	Yes
R5	19 Springwood Ground Floor	44.1	+5	49.1	55	Yes
R6	19 Springwood Second-Floor Deck	45.0	+5	50.0	55	Yes
R7	35 Lakeview Ground Floor	44.4	+5	49.4	55	Yes
R8	35 Lakeview Second-Floor Deck	44.0	+5	49.0	55	Yes
R9	7 Islandview Ground Floor	45.3	+5	50.3	55	Yes
R10	7 Islandview Second-Floor Deck	45.6	+5	50.6	55	Yes

As shown in Table 4 above, with the installation of 13-foot-high chain link fencing with sound blankets on the northeast, northwest, and southwest sides of the pickleball courts and a 13-foot-high solid barrier on the southeast side of the pickleball courts in place, noise levels at worst-case receivers are expected to meet the WVA noise limits. Therefore, Scenario 2 would be an acceptable mitigation option.

Noise Impacts – Scenario 3

Mitigation Scenario 3 is proposed to consist of the installation of 10-foot-high chain link fencing with sound blankets on the northeast, northwest, and southwest sides of the pickleball courts and a 10-foot-high solid barrier on the southeast side of the pickleball courts. Noise levels at surrounding properties considered the proposed mitigation are shown in Table 5.

Table 5. Calculated Noise Levels at Surrounding Properties – Scenario 3						
Receiver	Location	Noise Level (dBA L _{EQ})			WVA Limit (Adjusted dBA L _{EQ})	In Compliance?
		Calculated	Impulse Penalty	Adjusted		
R1	34 Coldbrook Ground Floor	50.2	+5	55.2	55	No
R2	34 Coldbrook Second-Floor Deck	51.2	+5	56.2	55	No
R3	20 Eastlake Ground Floor	45.8	+5	50.8	55	Yes
R4	20 Eastlake Second-Floor Deck	46.9	+5	51.9	55	Yes
R5	19 Springwood Ground Floor	45.4	+5	50.4	55	Yes
R6	19 Springwood Second-Floor Deck	45.8	+5	50.8	55	Yes
R7	35 Lakeview Ground Floor	43.6	+5	48.6	55	Yes
R8	35 Lakeview Second-Floor Deck	43.1	+5	48.1	55	Yes
R9	7 Islandview Ground Floor	46.7	+5	51.7	55	Yes
R10	7 Islandview Second-Floor Deck	46.5	+5	51.5	55	Yes

As shown in Table 5 above, with the installation of 10-foot-high chain link fencing with sound blankets on the northeast, northwest, and southwest sides of the pickleball courts and a 10-foot-high solid barrier on the southeast side of the pickleball courts in place, noise levels at worst-case receivers are expected to exceed the WVA noise limits. Therefore, a different mitigation scenario will be required.

Noise Impacts – Scenario 4

Mitigation Scenario 4 is proposed to consist of the installation of 12-foot-high chain link fencing with sound blankets on all four sides of the pickleball courts. Noise levels at surrounding properties considered the proposed mitigation are shown in Table 6.

Table 6. Calculated Noise Levels at Surrounding Properties – Scenario 4						
Receiver	Location	Noise Level (dBA L _{EQ})			WVA Limit (Adjusted dBA L _{EQ})	In Compliance?
		Calculated	Impulse Penalty	Adjusted		
R1	34 Coldbrook Ground Floor	48.7	+5	53.7	55	Yes
R2	34 Coldbrook Second-Floor Deck	49.5	+5	54.5	55	Yes
R3	20 Eastlake Ground Floor	45.0	+5	50.0	55	Yes
R4	20 Eastlake Second-Floor Deck	46.4	+5	51.4	55	Yes
R5	19 Springwood Ground Floor	44.5	+5	49.5	55	Yes
R6	19 Springwood Second-Floor Deck	45.2	+5	50.2	55	Yes
R7	35 Lakeview Ground Floor	43.3	+5	48.3	55	Yes
R8	35 Lakeview Second-Floor Deck	42.9	+5	47.9	55	Yes
R9	7 Islandview Ground Floor	43.9	+5	48.9	55	Yes
R10	7 Islandview Second-Floor Deck	44.1	+5	49.1	55	Yes

As shown in Table 6 above, with the installation of 12-foot-high chain link fencing covered with sound blankets on all four sides of the pickleball courts in place, noise levels at worst-case receivers are expected to meet the WVA noise limits. Therefore, Scenario 4 would be an acceptable mitigation option.

Noise Impacts – Scenario 5

Mitigation Scenario 5 is proposed to consist of the installation of 13-foot-high solid barriers with sound blankets on the upper 3 feet of the solid barrier (13-foot-high total) on the northeast, southeast, and southwest sides of the pickleball courts and a 10-foot-high solid barrier with sound blankets on the upper 3 feet of the solid barrier (10-foot-high total) on the northwest side of the pickleball courts. Noise levels at surrounding properties considered the proposed mitigation are shown in Table 7.

Table 7. Calculated Noise Levels at Surrounding Properties – Scenario 5						
Receiver	Location	Noise Level (dBA L _{EQ})			WVA Limit (Adjusted dBA L _{EQ})	In Compliance?
		Calculated	Impulse Penalty	Adjusted		
R1	34 Coldbrook Ground Floor	50.1	+5	55.1	55	No
R2	34 Coldbrook Second-Floor Deck	50.9	+5	55.9	55	No
R3	20 Eastlake Ground Floor	45.6	+5	50.6	55	Yes
R4	20 Eastlake Second-Floor Deck	46.8	+5	51.8	55	Yes
R5	19 Springwood Ground Floor	45.0	+5	50.0	55	Yes
R6	19 Springwood Second-Floor Deck	45.6	+5	50.6	55	Yes
R7	35 Lakeview Ground Floor	44.4	+5	49.4	55	Yes
R8	35 Lakeview Second-Floor Deck	43.7	+5	48.7	55	Yes
R9	7 Islandview Ground Floor	47.4	+5	52.4	55	Yes
R10	7 Islandview Second-Floor Deck	46.9	+5	51.9	55	Yes

As shown in Table 7 above, with the installation of 13-foot-high solid barriers with sound blankets on the upper 3 feet of the solid barrier (13-foot-high total) on the northeast, southeast, and southwest sides of the pickleball courts and a 10-foot-high solid barrier with sound blankets on the upper 3 feet of the solid barrier (10-foot-high total) on the northwest side of the pickleball courts in place, noise levels at worst-case receivers are expected to exceed the WVA noise limits. Therefore, a different mitigation scenario will be required.

Noise Impacts – Scenario 6

Mitigation Scenario 6 is proposed to consist of the installation of 13-foot-high solid barriers with sound blankets on the upper 3 feet of the solid barrier (13-foot-high total) on all four sides of the pickleball courts. Noise levels at surrounding properties considered the proposed mitigation are shown in Table 8.

Table 8. Calculated Noise Levels at Surrounding Properties – Scenario 6						
Receiver	Location	Noise Level (dBA L _{EQ})			WVA Limit (Adjusted dBA L _{EQ})	In Compliance?
		Calculated	Impulse Penalty	Adjusted		
R1	34 Coldbrook Ground Floor	51.2	+5	56.2	55	No
R2	34 Coldbrook Second-Floor Deck	51.7	+5	56.7	55	No
R3	20 Eastlake Ground Floor	47.6	+5	52.6	55	Yes
R4	20 Eastlake Second-Floor Deck	48.3	+5	53.3	55	Yes
R5	19 Springwood Ground Floor	47.2	+5	52.2	55	Yes
R6	19 Springwood Second-Floor Deck	47.5	+5	52.5	55	Yes
R7	35 Lakeview Ground Floor	43.6	+5	48.6	55	Yes
R8	35 Lakeview Second-Floor Deck	43.1	+5	48.1	55	Yes
R9	7 Islandview Ground Floor	46.7	+5	51.7	55	Yes
R10	7 Islandview Second-Floor Deck	46.5	+5	51.5	55	Yes

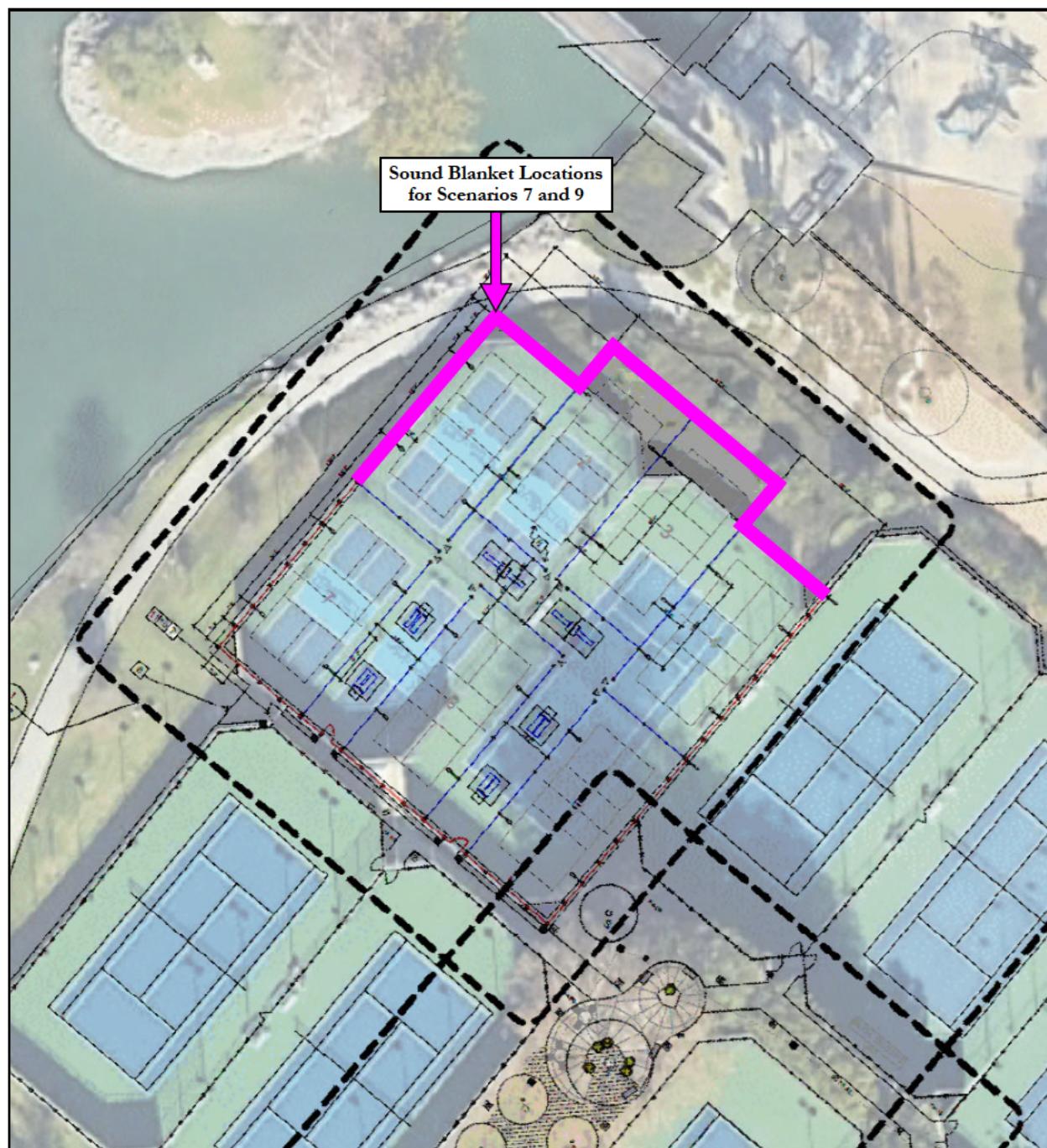
As shown in Table 8 above, with the installation of 13-foot-high solid barriers with sound blankets on the upper 3 feet of the solid barrier (13-foot-high total) on all four sides of the pickleball courts in place, noise levels at worst-case receivers are expected to exceed the WVA noise limits. Therefore, a different mitigation scenario will be required.

Noise Impacts – Scenario 7

Mitigation Scenario 7 is proposed to consist of the installation of 13-foot-high solid barriers on all four sides of the pickleball courts with sound blankets on the upper 8 feet of the solid barriers of the northeast side and the northern portion of the northwest side of the pickleball courts (absorption locations shown in Figure 5). Noise levels at surrounding properties considered the proposed mitigation are shown in Table 9.

Table 9. Calculated Noise Levels at Surrounding Properties – Scenario 7						
Receiver	Location	Noise Level (dBA L _{EQ})			WVA Limit (Adjusted dBA L _{EQ})	In Compliance?
		Calculated	Impulse Penalty	Adjusted		
R1	34 Coldbrook Ground Floor	48.6	+5	53.6	55	Yes
R2	34 Coldbrook Second-Floor Deck	49.6	+5	54.6	55	Yes
R3	20 Eastlake Ground Floor	45.9	+5	50.9	55	Yes
R4	20 Eastlake Second-Floor Deck	47.5	+5	52.5	55	Yes
R5	19 Springwood Ground Floor	46.0	+5	51.0	55	Yes
R6	19 Springwood Second-Floor Deck	46.8	+5	51.8	55	Yes
R7	35 Lakeview Ground Floor	49.0	+5	54.0	55	Yes
R8	35 Lakeview Second-Floor Deck	45.4	+5	50.4	55	Yes
R9	7 Islandview Ground Floor	47.8	+5	52.8	55	Yes
R10	7 Islandview Second-Floor Deck	45.6	+5	50.6	55	Yes

As shown in Table 9 above, with the installation of 13-foot-high solid barriers on all four sides of the pickleball courts with sound blankets on the upper 8 feet of the solid barriers of the northeast side and the northern portion of the northwest side of the pickleball courts (absorption locations shown in Figure 5) in place, noise levels at worst-case receivers are expected to meet the WVA noise limits. Therefore, Scenario 7 would be an acceptable mitigation option.



Source: Smith Architects, 2025; Google Earth Pro, 2025



Figure 5.

Locations of Sound Blankets for Scenarios 7 and 9

Noise Impacts – Scenario 8

Mitigation Scenario 8 is proposed to consist of the installation of 13-foot-high solid barriers on the southeast and southwest sides of the pickleball courts and 8-foot-high solid barriers on the northeast and northwest sides of the pickleball courts. Noise levels at surrounding properties considered the proposed mitigation are shown in Table 10.

Table 10. Calculated Noise Levels at Surrounding Properties – Scenario 8						
Receiver	Location	Noise Level (dBA L _{EQ})			WVA Limit (Adjusted dBA L _{EQ})	In Compliance?
		Calculated	Impulse Penalty	Adjusted		
R1	34 Coldbrook Ground Floor	47.7	+5	52.7	55	Yes
R2	34 Coldbrook Second-Floor Deck	48.7	+5	53.7	55	Yes
R3	20 Eastlake Ground Floor	44.0	+5	49.0	55	Yes
R4	20 Eastlake Second-Floor Deck	45.7	+5	50.7	55	Yes
R5	19 Springwood Ground Floor	46.1	+5	51.1	55	Yes
R6	19 Springwood Second-Floor Deck	46.9	+5	51.9	55	Yes
R7	35 Lakeview Ground Floor	48.6	+5	53.6	55	Yes
R8	35 Lakeview Second-Floor Deck	47.0	+5	52.0	55	Yes
R9	7 Islandview Ground Floor	47.4	+5	52.4	55	Yes
R10	7 Islandview Second-Floor Deck	46.8	+5	51.8	55	Yes

As shown in Table 10 above, with the installation of 13-foot-high solid barriers on the southeast and southwest sides of the pickleball courts and 8-foot-high solid barriers on the northeast and northwest sides of the pickleball courts in place, noise levels at worst-case receivers are expected to meet the WVA noise limits. Therefore, Scenario 8 would be an acceptable mitigation option.

Noise Impacts – Scenario 9

Mitigation Scenario 9 is proposed to consist of the installation of 13-foot-high solid barriers on the southeast and southwest sides of the pickleball courts and 10-foot-high solid barriers on the northeast and northwest sides of the pickleball courts, with sound blankets on the upper 5 feet of the solid barriers of the northeast side and the northern portion of the northwest side of the pickleball courts (absorption locations shown in Figure 5). Noise levels at surrounding properties considered the proposed mitigation are shown in Table 11.

Table 11. Calculated Noise Levels at Surrounding Properties – Scenario 9						
Receiver	Location	Noise Level (dBA L _{EQ})			WVA Limit (Adjusted dBA L _{EQ})	In Compliance?
		Calculated	Impulse Penalty	Adjusted		
R1	34 Coldbrook Ground Floor	48.4	+5	53.4	55	Yes
R2	34 Coldbrook Second-Floor Deck	49.5	+5	54.5	55	Yes
R3	20 Eastlake Ground Floor	45.9	+5	50.9	55	Yes
R4	20 Eastlake Second-Floor Deck	47.5	+5	52.5	55	Yes
R5	19 Springwood Ground Floor	46.2	+5	51.2	55	Yes
R6	19 Springwood Second-Floor Deck	47.0	+5	52.0	55	Yes
R7	35 Lakeview Ground Floor	49.0	+5	54.0	55	Yes
R8	35 Lakeview Second-Floor Deck	46.5	+5	51.5	55	Yes
R9	7 Islandview Ground Floor	47.8	+5	52.8	55	Yes
R10	7 Islandview Second-Floor Deck	46.5	+5	51.5	55	Yes

As shown in Table 11 above, with the installation of 13-foot-high solid barriers on the southeast and southwest sides of the pickleball courts and 10-foot-high solid barriers on the northeast and northwest sides of the pickleball courts, with sound blankets on the upper 5 feet of the solid barriers of the northeast side and the northern portion of the northwest side of the pickleball courts (absorption locations shown in Figure 5) in place, noise levels at worst-case receivers are expected to meet the WVA noise limits. Therefore, Scenario 9 would be an acceptable mitigation option.

6.0 Conclusion

The purpose of this report is to assess potential future noise impacts from the pickleball courts at the NLTC and to determine if mitigation is necessary and feasible to reduce project-related property line noise impacts to comply with applicable noise limits. Noise limits specified within the City of Irvine Code of Ordinances must be met at surrounding noise-sensitive receivers. Additionally, the WVA sound standard must be met at surrounding noise-sensitive receivers. As the WVA sound standard is more strict, it was applied at surrounding receivers.

As detailed in Section 5.0 herein, with proposed mitigation detailed in Scenario 2, Scenario 4, Scenario 7, Scenario 8, or Scenario 9 in place, anticipated noise levels from the proposed pickleball courts are not expected to exceed the WVA noise limits of an adjusted L_{EQ} of 55 dBA at surrounding properties. Therefore, provided the mitigation detailed in either Scenario 2, Scenario 4, Scenario 7, Scenario 8, or Scenario 9 is installed on site, project-generated noise from pickleball play is expected to be in compliance with all applicable regulations.

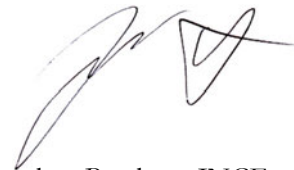
7.0 Certification

All recommendations for noise control are based on the best information available at the time our consulting services are provided. However, as there are many factors involved in sound transmission, and Eilar Associates has no control over the construction, workmanship, or materials, Eilar Associates is specifically not liable for final results of any recommendations or implementation of the recommendations.

This report is based on the related project information received and measured noise levels and represents a true and factual analysis of the acoustical impact issues associated with the Woodbridge Village Association – North Lake Tennis Club Renovation and Accessibility Improvements, located at 16 Eastlake in the City of Irvine, California. This report was prepared by Mo Ouwenga and Jonathan Brothers.



Mo Ouwenga, INCE
Senior Acoustical Consultant



Jonathan Brothers, INCE
Principal Acoustical Consultant

8.0 References

City of Irvine Code of Ordinances, Title 6, Division 8, Chapter 2 – Noise, 1984.

Woodbridge Village Association, Pickleball, <https://www.wva.org/178/Pickleball>.

Spendiarian & Willis Acoustics & Noise Control LLC, Pickleball Sound Level Baseline Testing and Standard – North Lake at Woodbridge Village, 2 October 2025.

DataKustik, CadnaA (Computer Aided Noise Abatement), Version 2026.



Eilar Associates, Inc.
Acoustical and Environmental Consulting Services

Appendix A

Project Plans

THE CITY OF IRVINE



BUILDING PLANS

NOTE: DESIGNER TO PROVIDE PROJECT SPECIFIC INPUT WHERE INDICATED BY INSTRUCTIONS IN BOLD AND BRACKETED BY THE FOLLOWING SYMBOL < >

(VERSION 2022.0 EFFECTIVE JANUARY 2023)



VICINITY MAP



LOCATION MAP

PROJECT INFORMATION

PROJECT LOCATION: < 16 EASTLAKE, IRVINE 92604 >

PROJECT DESCRIPTION: < SEE THE END OF THIS SHEET >

SPECIAL CONDITIONS OF LAND USE APPROVAL: SPECIAL CONDITIONS RELATING TO THIS PROJECT ARE ESTABLISHED IN < 77-SD-02216, 78-PK-0026, 81P-40383, 0938109-PFD >

SEE SHEET < T1 > UNDER THE HEADING LAND USE CONDITIONS OF APPROVAL FOR COMPLETE CONDITIONS OF APPROVAL.

USE/OCCUPANCY/FLOOR AREA: RECREATION ROOM A-3, 530 S.F. PROPOSED RESTROOM BUILDING: 422 S.F. TENNIS/PICKLE BALL COURTS, BLEACHER: A-5

NUMBER OF STORIES: < 1 STORY (EXISTING) > MEZZANINES: < N/A >

TYPE OF CONSTRUCTION: < I-B >

FIRE RESISTANCE RATED ASSEMBLIES CONSTRUCTED OR ALTERED IN SCOPE OF WORK:

EXTERIOR WALLS: < IHR >

FIRE WALLS: < N/A >

FIRE BARRIERS: < N/A >

FIRE PARTITIONS: < N/A >

HORIZONTAL ASSEMBLIES: < N/A >

SEE SHEET < INSERT SHEET NUMBER > FOR FIRE RESISTANCE RATED ASSEMBLY LEGEND, PROVIDING UNIQUE SYMBOLS FOR EACH RATED ASSEMBLY TYPE AND CALL-OUTS TO CONSTRUCTION DETAILS DEMONSTRATING COMPLIANCE WITH ASSEMBLY LISTINGS.

AUTOMATIC FIRE SPRINKLERS: < NO (EXISTING) >

AN < SELECT APPROPRIATE TYPE, NFPA 13, 130, 13R > AUTOMATIC SPRINKLER SYSTEM SHALL BE PROVIDED UNDER SEPARATE APPROVAL THROUGH THE ORANGE COUNTY FIRE AUTHORITY. SPRINKLERS ARE PROVIDED.

TO COMPLY WITH THE CITY OF IRVINE MUNICIPAL CODE SECTION 5-9-401 FOR BUILDING HAVING A GROSS AREA EXCEEDING 5,000 SQUARE FEET.

TO COMPLY WITH THE CITY OF IRVINE MUNICIPAL CODE SECTION 5-9-401 FOR BUILDING HAVING A GROSS AREA EXCEEDING 5,000 SQUARE FEET, AND AS SUBSTITUTION FOR RATED CONSTRUCTION.

TO COMPLY WITH THE CITY OF IRVINE MUNICIPAL CODE SECTION 5-9-401 FOR BUILDING HAVING A GROSS AREA EXCEEDING 5,000 SQUARE FEET, AND TO JUSTIFY AN INCREASE IN HEIGHT FOR AREA (SEE ANALYSIS BELOW).

PROVIDE ALTERNATE EXPLANATION INCLUDING ALL RELEVANT CODE REFERENCES.

ALLOWABLE HEIGHT/AREA ANALYSIS (CBC CHAPTER 9): RECREATION BUILDING: EXISTING - 530 S.F. (NO ADDITIONAL AREA PROPOSED) RESTROOM BUILDING: EXISTING - 336 S.F. PROPOSED - 422 S.F. (ADDED 86 S.F.) BUILDING HEIGHT: RECREATION BUILDING: 11 FT (NO HEIGHT CHANGES) RESTROOM BUILDING: 11 FT (NO HEIGHT CHANGES) ALLOWABLE BUILDING HEIGHT: CBC TABLE 504.3: 40 FT ALLOWABLE NUMBER OF STORIES: (CBC TABLE 504.4): 1

PARKING SUMMARY:

REQUIRED PARKING:

TOTAL PARKING PROVIDED:

VAN ACCESSIBLE PARKING PROVIDED:

STANDARD ACCESSIBLE PARKING PROVIDED:

APPLICABLE STATE CODES (WITH CITY OF IRVINE AMENDMENTS):

CALIFORNIA BUILDING CODE

CALIFORNIA ELECTRIC CODE

CALIFORNIA MECHANICAL CODE

CALIFORNIA PLUMBING CODE

CALIFORNIA ENERGY EFFICIENCY CODE

CALIFORNIA GREEN BUILDING STANDARDS CODE

WATER CONSERVING PLUMB. FIXTURE VERIFICATION/RETROFIT

BUILDINGS FOR WHICH AN INITIAL FINAL INSPECTION WAS RECEIVED ON OR BEFORE JANUARY 1, 1994 SHALL COMPLY WITH THE CITY OF IRVINE'S INFORMATION BULLETIN # 321. WAS THE INITIAL FINAL INSPECTION ON THE PROPERTY UNDERGOING THE PROPOSED TENANT IMPROVEMENT RECEIVED PRIOR TO JANUARY 1, 1994: < YES >

CALIFORNIA GREEN BUILDING STANDARDS CODE

PROVISIONS OF THE CALIFORNIA GREEN BUILDING STANDARDS CODE APPLY TO ALL NEW LOW-RISE RESIDENTIAL BUILDINGS (THREE STORIES AND LESS) INCLUDING HOTELS AND MOTELS) AND ALL NON-RESIDENTIAL TENANT IMPROVEMENT WITH VALUATION EQUAL OR GREATER THAN \$200,000 AND ADDITIONS EQUAL OR GREATER THAN 1,000 SQUARE FEET.

SEE SHEET < T.2 - T8 > FOR COMPLETED CITY OF IRVINE GREEN BUILDING STANDARDS NOTES.

CALIFORNIA BUILDING ENERGY EFFICIENCY STANDARDS

PROVISIONS OF THE CALIFORNIA BUILDING ENERGY EFFICIENCY STANDARD APPLY TO THIS PROJECT SEE SHEET < N/A > FOR COMPLETE COMPLIANCE DOCUMENTATION.

SPECIAL INSPECTION AND STRUCTURAL OBSERVATION

THIS PROJECT IS SUBJECT TO BOTH SPECIAL INSPECTIONS AND STRUCTURAL OBSERVATION PER CALIFORNIA BUILDING CODE (CBC) CHAPTER 17 AND SHALL FOLLOW THE REQUIREMENTS AS DEFINED IN CITY OF IRVINE INFORMATION BULLETIN NO. 278 AND 251.

SEE SHEET < INSERT PLAN SHEET NUMBER > FOR COMPLETED PROJECT SPECIFIC CITY OF IRVINE SPECIAL INSPECTION PROGRAM FORM.

SEE SHEET < INSERT PLAN SHEET NUMBER > FOR COMPLETED PROJECT SPECIFIC CITY OF IRVINE SPECIAL OBSERVATION PROGRAM FORM.

CITY OF IRVINE MUNICIPAL CODE

(NOTE: COMPLETE IMC TEXT IS AVAILABLE ON THE INTERNET AT WWW.MUNICOD.COM)

THE DESIGN AND CONSTRUCTION OF THIS PROJECT SHALL COMPLY WITH ALL APPLICABLE IRVINE MUNICIPAL CODE PROVISIONS INCLUDING BUT NOT LIMITED TO:

CONSTRUCTION WORK HOURS [IMC SECT. 5-8-205]

MON-FRI 7 AM TO 7 PM

SAT 9 AM TO 6 PM

NO WORK ON SUNDAYS OR FEDERAL HOLIDAYS

SECURITY DESIGN STANDARDS [IMC SECT. 5-9-817 AND 5-9-525]

SEE SHEET < T.7 > FOR APPLICABLE COMPLETED SECURITY CODE PROVISIONS.

ROOFING [IMC 5-9-401 F. & 5-9-402 M.]

ROOF COVERING CLASSIFICATION SHALL MEET MINIMUM CLASS A.

ATTIC AND UNDERFLOOR VENT COVERS [IMC 5-9-401 E. & 5-9-402 K.]

ROOF AND UNDERFLOOR VENT OPENINGS SHALL BE COVERED WITH NON-COMBUSTIBLE, CORROSION RESISTANT, METAL WIRE MESH OR OTHER MATERIALS HAVING OPENINGS OF 1/16 INCH MINIMUM TO 1/8 INCH MAXIMUM. (CBC 706A.2) SEE DETAIL.

< N/A >

OFF-SITE FABRICATION

ALL OFF-SITE FABRICATION OF STRUCTURAL STEEL COMPONENTS INCLUDING STEEL STAIRS AND PRE-CAST CONCRETE SHALL BE DONE IN AN APPROVED FABRICATOR SHOP AS REQUIRED BY CITY OF IRVINE INFORMATION BULLETIN NO. 311. SEE BULLETIN FOR DETAILS AND REQUIRED DOCUMENTATION REQUIRED AT THE RECEIPT OF ANY SHIPMENT OF OFF-SITE FABRICATED ITEMS.

PRE-CONSTRUCTION MEETING REQUIREMENT

ALL CONSTRUCTION PROJECTS INVOLVING ADDITIONS TO NON-RESIDENTIAL STRUCTURES AND PARKING LOT MODIFICATIONS SHALL NOT COMMENCE UNTIL A PRE-CONSTRUCTION MEETING HAS BEEN HELD. THESE MEETINGS, WHILE NOT REQUIRED BY CITY CODE FOR TENANT IMPROVEMENTS NOT ADDING AREA, ARE BENEFICIAL FOR MAJOR TENANT IMPROVEMENTS OR ANY RESTAURANT INSTALLATIONS TO SCHEDULE A PRE-CONSTRUCTION MEETING CONTACT COMMERCIAL BUILDING INSPECTOR SUPERVISOR AT (949) 724-8139 FOR BUILDING INSPECTIONS AND GRADING INSPECTOR SUPERVISOR AT (949) 724-8239 FOR PARKING LOT MODIFICATIONS INSPECTIONS.

DEFERRED SUBMITTALS

THIS PROJECT HAS BEEN PERMITTED WITHOUT REVIEW AND/OR APPROVAL OF THE FOLLOWING DEFERRED SUBMITTALS. PLANS APPROVED BY THE CITY SHALL BE OBTAINED FOR EACH DEFERRED ITEM LISTED BELOW PRIOR TO COMMENCING ANY WORK WITHIN THE SCOPE OF SUCH DEFERRAL. DEFERRALS MUST BE REVIEWED AND ACCEPTED BY THE ARCHITECT OR ENGINEER OF RECORD PRIOR TO SUBMITTING FOR REVIEW WITH THE CITY.

< N/A >

ADDITIONS AND ALTERATIONS:

PRIOR TO USE, OCCUPANCY OR FINAL INSPECTION, EXISTING OR RETROFITTED ADDRESSING MEETING THE HEIGHT, CONTRAST AND FONT REQUIREMENTS OF SECTION 5-9-517 ITEM L OF THE CITY OF IRVINE MUNICIPAL CODE SHALL BE VERIFIED BY THE CITY INSPECTOR.

CONTRACTOR SHALL RESTORE ALL ORIGINAL AND REQUIRED FIRE PROTECTION ON STRUCTURAL ELEMENTS AND RATED ASSEMBLIES.

PRIOR TO FINAL INSPECTION, THE OPENING FORCE FOR DOORS SERVING THE DESIGNATED ACCESSIBLE PATH OF TRAVEL SHALL BE VERIFIED TO COMPLY WITH CBC 11B-404.2.9. POWERED EXTERIOR DOORS, PER EXCEPTION 2, SERVING A SPACE WITH AN OCCUPANCY OF 150 OR MORE ARE REQUIRED TO BE EQUIPPED WITH BACK-UP POWER.

FIRE DEPARTMENT NOTES:

1. FOR ASSISTANCE WITH FIRE-RELATED PLAN REVIEW ISSUES OR TECHNICAL QUESTIONS, PLEASE CALL (714) 573-4198. FOR FIRE-RELATED INSPECTION QUESTIONS OR ISSUES, PLEASE CONTACT YOUR OCFA INSPECTOR DIRECTLY OR OCFA INSPECTION SCHEDULING AT (714) 573-6150 FOR ASSISTANCE.

2. THE PROJECT SHALL COMPLY WITH THE CURRENTLY ADOPTED CALIFORNIA BUILDING CODE, CALIFORNIA FIRE CODE, AND OTHER CODES, STANDARDS, REGULATIONS AND REQUIREMENTS AS ENFORCED BY THE ORANGE COUNTY FIRE AUTHORITY. APPROVAL OF THESE PLANS SHALL NOT PERMIT THE VIOLATION OF ANY CODE OR LAW.

3. FOR PROJECTS INVOLVING NEW STRUCTURES, ADDITIONS TO EXISTING STRUCTURES, INSTALLATION OF GATES/WALLS/FENCES, OR ALTERATION OF VEHICULAR ACCESS, A FIRE MASTER PLAN SHALL BE SUBMITTED TO AND APPROVED BY THE OCFA PRIOR TO SUBMITTAL OF ARCHITECTURAL PLANS. AN APPROVED FIRE MASTER PLAN SHALL BE SUBMITTED WITH THE ARCHITECTURAL PLANS.

4. ALL WEATHER FIRE ACCESS ROADS SHALL BE APPROVED BY THE OCFA AND BE IN PLACE BEFORE ANY COMBUSTIBLE MATERIALS ARE PLACED ON THE SITE. ACCESS ROADS SHALL BE MAINTAINED CLEAR OF OBSTRUCTIONS DURING AND AFTER CONSTRUCTION.

5. ADDRESS NUMBERS SHALL BE PROVIDED FOR ALL NEW AND EXISTING BUILDINGS, BE A MINIMUM SIX INCHES HIGH, CONTRAST WITH THEIR BACKGROUND, AND BE PLAINLY VISIBLE FROM THE ROADWAY THE BUILDING IS ADDRESSED ON OR AS OTHERWISE ALLOWED BY OCFA GUIDELINE 8-09.

6. BUILDINGS UNDER CONSTRUCTION OR DEMOLITION SHALL CONFORM TO CFC CHAPTER 33. NO SMOKING OR COOKING IS ALLOWED IN STRUCTURES WHERE COMBUSTIBLE MATERIALS ARE EXPOSED OR WITHIN 25' OF COMBUSTIBLE MATERIALS STORAGE AREAS. CUTTING, WELDING, OR OTHER HOT WORK SHALL BE IN CONFORMANCE WITH CFC CHAPTER 35.

7. LOCATIONS AND CLASSIFICATIONS OF EXTINGUISHERS SHALL BE IN ACCORDANCE WITH THE CFC AND CCR TITLE 19. AT LEAST ONE EXTINGUISHER SHALL BE PROVIDED DURING CONSTRUCTION ON EACH FLOOR AT EACH STAIRWAY, IN EACH STORAGE AND CONSTRUCTION SHED, IN LOCATIONS WHERE FLAMMABLE OR COMBUSTIBLE LIQUIDS ARE STORED OR USED, OR WHERE SIMILAR HAZARDOUS ARE PRESENT. BEFORE FINAL OCCUPANCY, AT LEAST ONE 2A:10BC EXTINGUISHER SHALL BE PROVIDED SO THAT NO POINT IS MORE THAN 75' TRAVEL DISTANCE FROM THE EXTINGUISHER. EXTINGUISHERS SHALL BE LOCATED ALONG THE PATH OF EGRESS TRAVEL AND IN A READILY VISIBLE AND ACCESSIBLE LOCATION, WITH THE BOTTOM OF THE EXTINGUISHER AT LEAST 4' ABOVE THE FLOOR. ADDITIONAL EXTINGUISHERS MAY BE REQUIRED BY THE INSPECTOR AND FINAL PLACEMENT IS SUBJECT TO APPROVAL.

8. WALL, FLOOR AND CEILING FINISHES AND DECORATIVE MATERIALS SHALL NOT EXCEED THE FLAME SPREAD CLASSIFICATIONS IN CBC/CFC CHAPTER 8. DECORATIVE MATERIALS SHALL BE PROPERLY TREATED BY A PRODUCT OR PROCESS APPROVED BY THE STATE FIRE MARSHAL. SUCH ITEMS SHALL BE APPROVED AND INSPECTED PRIOR TO INSTALLATION.

9. KNOX BOXES/KEY CABINETS SHALL BE PROVIDED FOR ALL POOL ENCLOSURES, GATES IN THE PATH OF FIREFIGHTER TRAVEL, TO STRUCTURES, SECURED PARKING LEVELS, DOORS GIVING ACCESS TO ALARM PANELS AND/OR ANNUNCIATORS, AND ANY OTHER STRUCTURES OR AREAS WHERE IMMEDIATE ACCESS IS REQUIRED OR IS UNUSUALLY DIFFICULT.

10. DUMPSTERS AND TRASH CONTAINERS EXCEEDING 1.5 CUBIC YARDS SHALL NOT BE STORED IN BUILDINGS OR PLACED WITHIN 5 FEET OF COMBUSTIBLE WALLS, OPENINGS OR COMBUSTIBLE ROOF EAVE LINES UNLESS PROTECTED BY AN APPROVED SPRINKLER SYSTEM OR LOCATED IN A TYPE I OR II STRUCTURE SEPARATED BY 10 FEET FROM OTHER STRUCTURES. CONTAINERS LARGER THAN 1 CUBIC YARD SHALL BE OF NON-OR LIMITED-COMBUSTIBLE MATERIALS OR SIMILARLY PROTECTED OR SEPARATED. CFC 304.3

11. EXITS, EXIT SIGNS, FIRE ALARM PANELS, HOSE CABINETS, FIRE EXTINGUISHER LOCATIONS, AND STANDPIPE CONNECTIONS SHALL NOT BE CONCEALED BY CURTAINS, MIRRORS, OR OTHER DECORATIVE MATERIAL. THE EGRESS PATH SHALL REMAIN FREE AND CLEAR OF ALL OBSTRUCTIONS AT ALL TIMES. NO STORAGE IS PERMITTED IN AISLES.

12. EXIT DOORS SHALL BE OPENABLE FROM THE INSIDE WITHOUT THE USE OF A KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT. DOORS SHALL NOT BE PROVIDED WITH THUMB-TURN LOCKS OR DEADBOLTS THAT DO NOT UNLATCH IN TANDEM WITH THE NORMAL OPERATING LEVER. RATED DOORS SHALL BE SELF-CLOSING AND LATCHING. SUCH DOORS SHALL NOT BE EQUIPPED WITH DOOR STOPS OR OTHERWISE PROPPED OPEN.

13. SPRINKLER AND ALARM SYSTEMS SHALL BE PROVIDED WHEN REQUIRED BY CBC/CFC CHAPTER 9 AND LOCAL ORDINANCE. IN STRUCTURES OF UNDETERMINED USE, THE MINIMUM FIRE SPRINKLER DESIGN DENSITY REQUIRED SHALL BE ORDINARY HAZARD (GROUP 2) WITH A DESIGN AREA OF 3000 SQUARE FEET.

14. EXISTING SPRINKLER AND ALARM SYSTEMS IN SPACES UNDERGOING REMODELING SHALL BE EVALUATED BY A LICENSED CONTRACTOR KNOWLEDGEABLE IN SUCH SYSTEMS TO DETERMINE WHETHER CHANGES WILL BE NECESSARY TO MAINTAIN

THESE SYSTEMS IN CONFORMANCE WITH APPLICABLE STANDARDS. IF MODIFICATIONS ARE NECESSARY, PLANS SHALL BE SUBMITTED TO THE OCFA FOR REVIEW AND APPROVAL PRIOR TO MODIFICATION OF THE SYSTEM. SPRINKLER AND ALARM SYSTEMS SHALL BE SUPERVISED BY A UL-LISTED CENTRAL ALARM STATION.

15. WHERE COMMERCIAL-TYPE FOOD HEATING OR COOKING EQUIPMENT THAT PRODUCES GREASE-LOADED VAPORS IS PRESENT, AN AUTOMATIC EXTINGUISHING SYSTEM SHALL BE PROVIDED AND SHALL COMPLY WITH CFC, CMC, AND NFPA 17A. REVIEW AND APPROVAL OF A HOOD AND DUCT EXTINGUISHING SYSTEM PLAN BY THE OCFA IS REQUIRED PRIOR TO INSTALLATION, MODIFICATION, REARRANGEMENT, OR USE OF COOKING EQUIPMENT.

16. HAZARDOUS MATERIALS EQUIPMENT, PROCESSES, STORAGE, DISPENSING, OR USE SHALL COMPLY WITH CBC AND CFC REGULATIONS AND SHALL BE REVIEWED AND APPROVED BY THE OCFA PRIOR TO SUCH MATERIALS OR EQUIPMENT BEING BROUGHT ON SITE.

17. STORAGE AREAS GREATER THAN 500 SQ.FT. WITH HIGH HAZARD MATERIALS STORED HIGHER THAN SIX FEET AND OTHER MATERIALS STORED HIGHER THAN TWELVE FEET ARE NOT PERMITTED WITHOUT FIRST SUBMITTING PLANS TO AND OBTAINING APPROVAL FROM THE OCFA.

18. A NEW HVAC UNIT EXCEEDING A 2,000 CFM CAPACITY SHALL BE PROVIDED WITH A DUCT SMOKE DETECTOR. THE DETECTOR SHALL SHUT DOWN ONLY THE AFFECTED INDIVIDUAL HVAC UNIT UPON SMOKE DETECTION. THIS DETECTOR MUST ALSO BE INTERFACED TO AN EXISTING FIRE ALARM SYSTEM. THE DETECTOR SHALL ONLY PROVIDE A SUPERVISORY SIGNAL AT THE FIRE ALARM PANEL UPON SMOKE DETECTION.

SHEET INDEX:

SEE SHEET < T.7 >

FOR SHEET INDEX.

STORM WATER POLLUTION PREVENTION NOTES

STORMWATER POLLUTION PREVENTION DEVICES AND PRACTICES SHALL BE INSTALLED AND/OR INSTITUTED AS NECESSARY TO ENSURE COMPLIANCE TO THE CITY OF IRVINE WATER QUALITY STANDARDS CONTAINED IN CHAPTER 3, WATER, OF DIVISION 8 OF TITLE 6 OF THE IRVINE MUNICIPAL CODE AND ANY EROSION CONTROL PLAN ASSOCIATED WITH THIS PROJECT. ALL SUCH DEVICES AND PRACTICES SHALL BE MAINTAINED, INSPECTED AND/OR MONITORED TO ENSURE ADEQUACY AND PROPER FUNCTION THROUGHOUT THE DURATION OF THE CONSTRUCTION PROJECT.

COMPLIANCE TO THE WATER QUALITY STANDARDS AND ANY EROSION AND SEDIMENT CONTROL PLAN ASSOCIATED WITH THIS PROJECT INCLUDES, BUT IS NOT LIMITED TO THE FOLLOWING REQUIREMENTS:

1. AN EFFECTIVE COMBINATION OF EROSION AND SEDIMENT CONTROL MEASURES (BMPs) SHALL BE IMPLEMENTED TO PROTECT THE EXPOSED PORTIONS OF THE SITE FROM EROSION AND TO PREVENT SEDIMENT DISCHARGES.

2. SEDIMENTS AND OTHER POLLUTANTS SHALL BE RETAINED ON SITE UNTIL PROPERLY DISPOSED OF, AND MAY NOT BE TRANSPORTED FROM THE SITE VIA SHEET FLOW, SWALES, AREA DRAINS, NATURAL DRAINAGE COURSES OR WIND.

3. STOCKPILES OF EARTH AND OTHER CONSTRUCTION-RELATED MATERIALS SHALL BE PROTECTED FROM BEING TRANSPORTED FROM THE SITE BY THE FORCES OF WIND AND FLOODFLOW.

4. FUELS, OILS, SOLVENTS, AND OTHER TOXIC MATERIALS SHALL BE STORED IN ACCORDANCE WITH THEIR LISTING AND ARE NOT TO CONTAMINATE THE SOIL AND SURFACE WATERS. ALL APPROVED STORAGE CONTAINERS ARE TO BE PROTECTED FROM THE WEATHER. SPILLS MUST BE CLEANED UP IMMEDIATELY AND DISPOSED OF IN A PROPER MANNER. SPILLS MAY NOT BE WASHED INTO THE DRAINAGE SYSTEM, NOR BE ALLOWED TO SETTLE OR INFILTRATE INTO SOIL.

5. EXCESS OR WASTE CONCRETE MAY NOT BE WASHED INTO THE PUBLIC WAY OR ANY OTHER DRAINAGE SYSTEM. PROVISIONS SHALL BE MADE TO RETAIN CONCRETE WASTES ON SITE UNTIL THEY CAN BE DISPOSED OF AS SOLID WASTES.

6. TRASH AND CONSTRUCTION SOLID WASTES SHALL BE DEPOSITED INTO A COVERED RECEPTACLE TO PREVENT CONTAMINATION OF RAW WATER AND DISPERSAL BY WIND.

7. SEDIMENTS AND OTHER MATERIALS MAY NOT BE TRACKED FROM THE SITE BY VEHICULAR TRAFFIC. THE CONSTRUCTION ENTRANCE ROADWAYS MUST BE STABILIZED SO AS TO INHIBIT SEDIMENTS FROM BEING DEPOSITED INTO THE PUBLIC WAY. ACCIDENTAL DEPOSITS SHALL BE SWEEPED UP IMMEDIATELY AND MAY NOT BE WASHED DOWN BY RAIN OR OTHER MEANS.

8. STORMWATER POLLUTION PREVENTION DEVICES AND/OR PRACTICES SHALL BE MODIFIED AS NEEDED AS THE PROJECT PROGRESSES TO ENSURE EFFECTIVENESS.

SHOPPING CART COMPLIANCE:

THIS PROJECT IS A RETAIL ESTABLISHMENT THAT MAY BE SUBJECT TO THE CITY OF IRVINE SHOPPING CART CONTAINMENT OR RETRIEVAL PROVISIONS CONTAINED IN IRVINE MUNICIPAL CODE SECTIONS 4-11-701 THROUGH 4-11-709. IN SUCH CASE COMPLIANCE IS REQUIRED AT THE TIME OF OCCUPANCY. THEREFORE, SELECT THE APPROPRIATE NOTE FROM THE SELECTION BELOW AND INCLUDE ON THE GENERAL NOTE SHEET.

SHOPPING CART COMPLIANCE

THIS PROJECT IS FOR A RETAIL ESTABLISHMENT THAT WILL USE ELEVEN OR MORE SHOPPING CARTS IN ITS BUSINESS OPERATIONS. THEREFORE, NO OCCUPANCY MAY OCCUR UNTIL A SHOPPING CART CONTAINMENT OR RETRIEVAL PLAN HAS BEEN APPROVED AS DESCRIBED AT WWW.CITYOFIRVINE.ORG/SHOPPINGCART AND THE ESTABLISHMENT IS PREPARED TO IMPLEMENT THE PLAN ON ITS INTENDED OPENING DAY.

OR

SHOPPING CART COMPLIANCE

THIS PROJECT IS FOR A RETAIL ESTABLISHMENT THAT WILL USE LESS THAN ELEVEN SHOPPING CARTS IN ITS BUSINESS OPERATIONS. THEREFORE, SHOPPING CART CONTAINMENT OR RETRIEVAL PROVISIONS IN IRVINE MUNICIPAL CODE SECTIONS 4-11-701 THROUGH 4-11-709 WILL NOT APPLY UNLESS AND UNTIL ADDITIONAL CARTS ARE UTILIZED WHICH BRING THE TOTAL TO ELEVEN OR MORE.

OR

SHOPPING CART COMPLIANCE

THIS PROJECT IS FOR A RETAIL ESTABLISHMENT THAT CURRENTLY COMPLIES WITH THE SHOPPING CART CONTAINMENT OR RETRIEVAL PROVISIONS IN IRVINE MUNICIPAL CODE SECTIONS 4-11-701 THROUGH 4-11-709 UNDER A PLAN APPROVED ON: (APPROVAL DATE).

EPA RENOVATION, REPAIR, AND PAINTING (RRP) RULE:

EPA REGULATIONS REQUIRE THAT ANY CONTRACTOR OR MAINTENANCE STAFF WHO DISTURBS LEAD-BASED PAINT IN A PRE-1978 RESIDENCE OR CHILD-CARE FACILITY MUST BE LEAD-SAFE CERTIFIED AND TRAINED IN LEAD-SAFE WORK PRACTICES.

RECYCLING:

CONSTRUCTION WASTE MATERIAL SHALL BE RECYCLED PER APPROVED CONSTRUCTION WASTE REDUCTION COMPLIANCE REPORT.

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT ADVISORY:

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT (SCAQMD) RULE 1403 GOVERNS WORK PRACTICE REQUIREMENTS FOR ASBESTOS IN ALL RENOVATION AND DEMOLITION ACTIVITIES. PLEASE REFER TO RULE 1403 (HTTP://WWW.AQMD.GOV/DOCS/DEF.ALT.SOURCE/RULE-80/KNOWLEDGE/1403.PDF) FOR ALL CURRENT REQUIREMENTS.

CALIFORNIA HEALTH AND SAFETY CODE 19827.5 REQUIRES THAT EVIDENCE OF DEMOLITION NOTIFICATION SUBMITTED TO THE SOUTH COAST AQMD BE PROVIDED TO CITY OF IRVINE BUILDING AND SAFETY PRIOR TO THE ISSUANCE OF ANY BUILDING PERMIT INCLUDING DEMOLITION WORK.

ACCESSIBILITY COMPLIANCE:

CALIFORNIA BUILDING CODE, CHAPTER 11B REQUIRES COMPLIANCE WITH ALL PATH OF TRAVEL REQUIREMENTS. IS THE PROFESSIONAL OF RECORD USING CODE EXCEPTIONS FOR COMPLIANCE? < NO >

WHEN USING CODE EXCEPTIONS ONLY, REFER TO SHEET

FOR JUSTIFICATION.

PROJECT DESCRIPTION

ACCESSIBILITY IMPROVEMENTS FOR THE TENNIS CLUB INCLUDES:

- CONVERT 2 TENNIS COURT TO 7 PICKLEBALL COURTS
- NEW PARKING LOT: SIGNAGE, STRIPING, GRADING, LIGHTING, CURB RAMP
- UPPER TERRACE OF RESTROOM BUILDING AND RECREATION ROOM: NEW EXIT GATES, NEW ACCESSIBLE RAMPS AND STEPS, REPLACE EXISTING PICNIC TABLES, DEFINE THE SPACE FOR ACCESSIBLE SEATING, NEW HANDRAILS AT EXISTING RAMP, NEW ACCESSIBILITY SIGNAGE
- WALKWAY BETWEEN COURTS: NEW WALKWAYS, NEW POCKET PARK, REPLACE DRINKING FOUNTAINS, SITE FURNITURES
- REST ROOM BUILDING: EIP AND REST ROOMS, REPLACE ALL FIXTURES AND ACCESSORIES
- RECREATION ROOM: NEW ACCESSIBLE KITCHEN CABINETS AND APPLIANCES, NEW FLOORING, REPLACING LIGHT FIXTURE WITH LED LIGHT FIXTURES, NEW EXTERIOR MATERIALS
- NEW LANDSCAPE FOR ALL THE MODIFIED AREAS

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Woodbridge Village Association
North Lake Tennis Club Accessibility Improvements
16 Eastlake
Inrvine, CA 92604



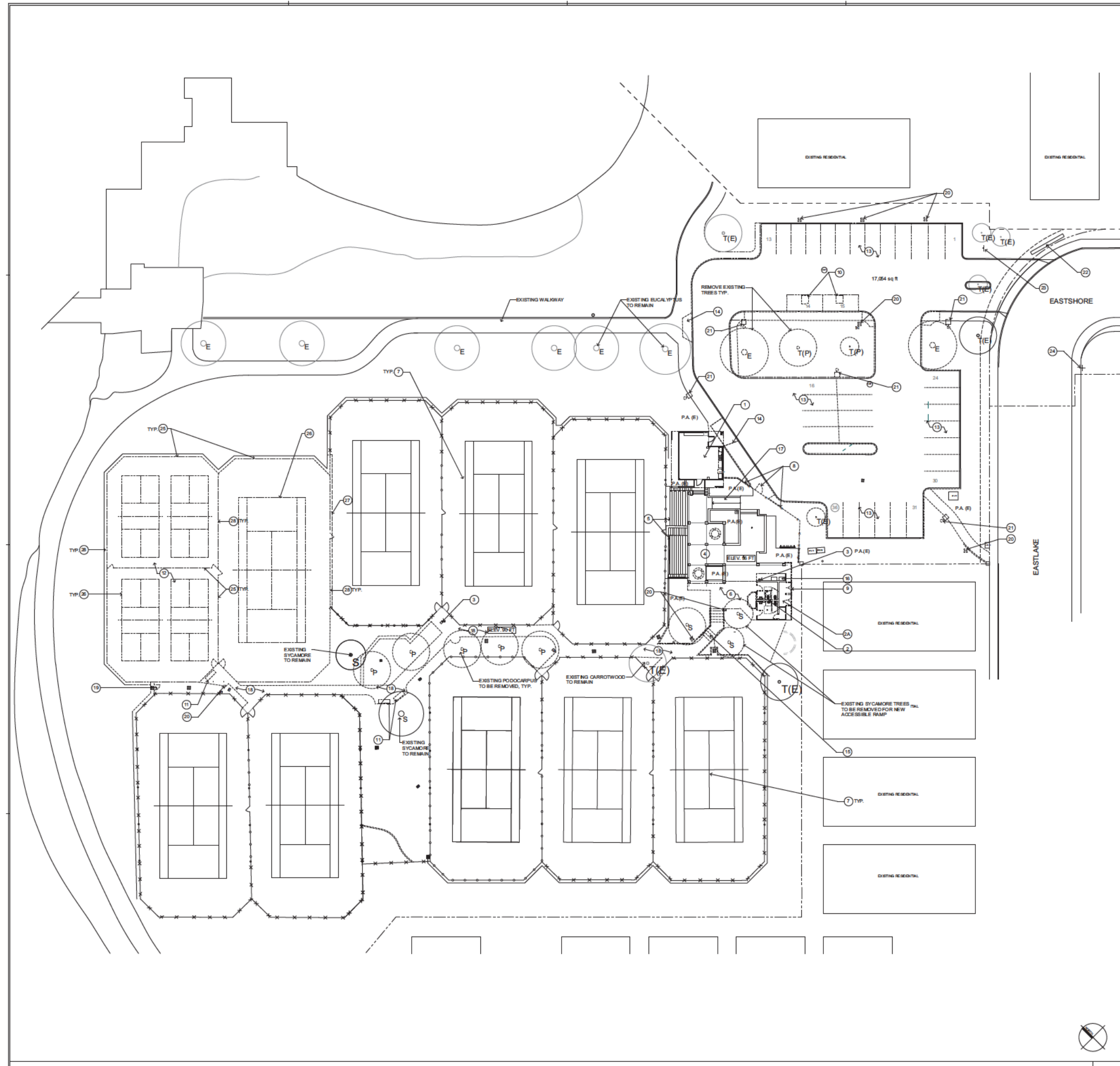
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Job No.: 17-320.1
Issue Date: 01/13/25

Sheet Title:
Title Sheet

Sheet No.:
T.1



Site Plan - Existing / Demolition

Scale: 1" = 20' 0"

- Site Plan Keynotes:
- EXISTING RECREATION BUILDING
 - EXISTING WOMEN'S AND MEN'S RESTROOMS
 - EXISTING UTILITY ROOM TO REMAIN
 - EXISTING DRINKING FOUNTAIN TO BE REMOVED AND REPLACED
 - EXISTING TRELLIS SHADE STRUCTURE TO REMAIN
 - EXISTING COURT SIDE BLEACHERS TO REMAIN - PROTECT IN PLACE
 - EXISTING UPPER TERRACE
 - EXISTING TENNIS COURT TO REMAIN - TYPICAL
 - EXISTING GATE AND FENCE TO BE REMOVED AND REPLACED
 - EXISTING CONCRETE CURB AT PLANTER TO BE REMOVED
 - EXISTING NON-COMPLIANT ACCESSIBLE PARKING SYMBOL TO BE REMOVED
 - EXISTING SEATING TO BE REMOVED AND REPLACED
 - EXISTING PICKLEBALL COURT TO REMAIN
 - EXISTING PARKING TO BE DEMOLISHED
 - EXISTING CONCRETE CURB RAMP AND LANDING TO BE REMOVED
 - EXISTING STAIRS TO BE REMOVED
 - EXISTING VENDING MACHINES TO REMAIN - RELOCATE DURING CONSTRUCTION OR STORE
 - EXISTING CONCRETE RAMP TO REMAIN
 - EXISTING CONCRETE WALKWAY REMOVE AND REGRADE
 - EXISTING CHAIN LINK GATE TO BE RECONFIGURED TO SWING OUT
 - EXISTING LIGHT BOLLARD REMOVE AND STORE FOR REUSE, TYPICAL OF 7 - SAFE OFF WIRING
 - EXISTING POLE LIGHT AND FOOTING TO BE REMOVED - SAFE OFF FOR ELECTRICAL REROUTING
 - EXISTING MONUMENT SIGN TO REMAIN - PROTECT IN PLACE
 - EXISTING UNAUTHORIZED PARKING SIGN TO REMAIN - PROTECT IN PLACE
 - EXISTING STREET SIGN
 - EXISTING TENNIS / PICKLEBALL COURTS CHAIN LINK FENCE AND GATES TO BE DEMOLISHED AS REQUIRED FOR NEW WORK
 - EXISTING TENNIS / PICKLEBALL COURTS STRIPING TO BE REMOVED
 - EXISTING TENNIS / PICKLEBALL COURTS CONCRETE TO BE DEMOLISHED AS REQUIRED FOR NEW WORK
 - EXISTING TENNIS / PICKLEBALL COURT POLE LIGHT AND FOOTING TO BE REMOVED AS REQUIRED FOR NEW WORK - SAFE OFF FOR ELECTRICAL REROUTING

NOTE: TOTAL EXISTING TREES TO BE REMOVED - 12

- Legend:
- EXISTING SYCAMORE TO BE REMOVED
 - EXISTING PODOCARPUS TO BE REMOVED
 - EXISTING PINE TO BE REMOVED
 - EXISTING SYCAMORE TO REMAIN
 - EXISTING EUCALYPTUS TO REMAIN
 - EXISTING TREE TO REMAIN
 - PLANTING AREA
 - TO BE DEMOLISHED
 - EXISTING POLE LIGHT AND FOOTING TO BE REMOVED, TYP.
 - EXISTING SPORT COURT FENCE TO REMAIN
 - SEWER MAN HOLE TO REMAIN

Architects Seal:



Project:

Woodbridge Village Association
North Lake Tennis Club Accessibility Improvements
16 Eastlake
Irvine, CA 92604



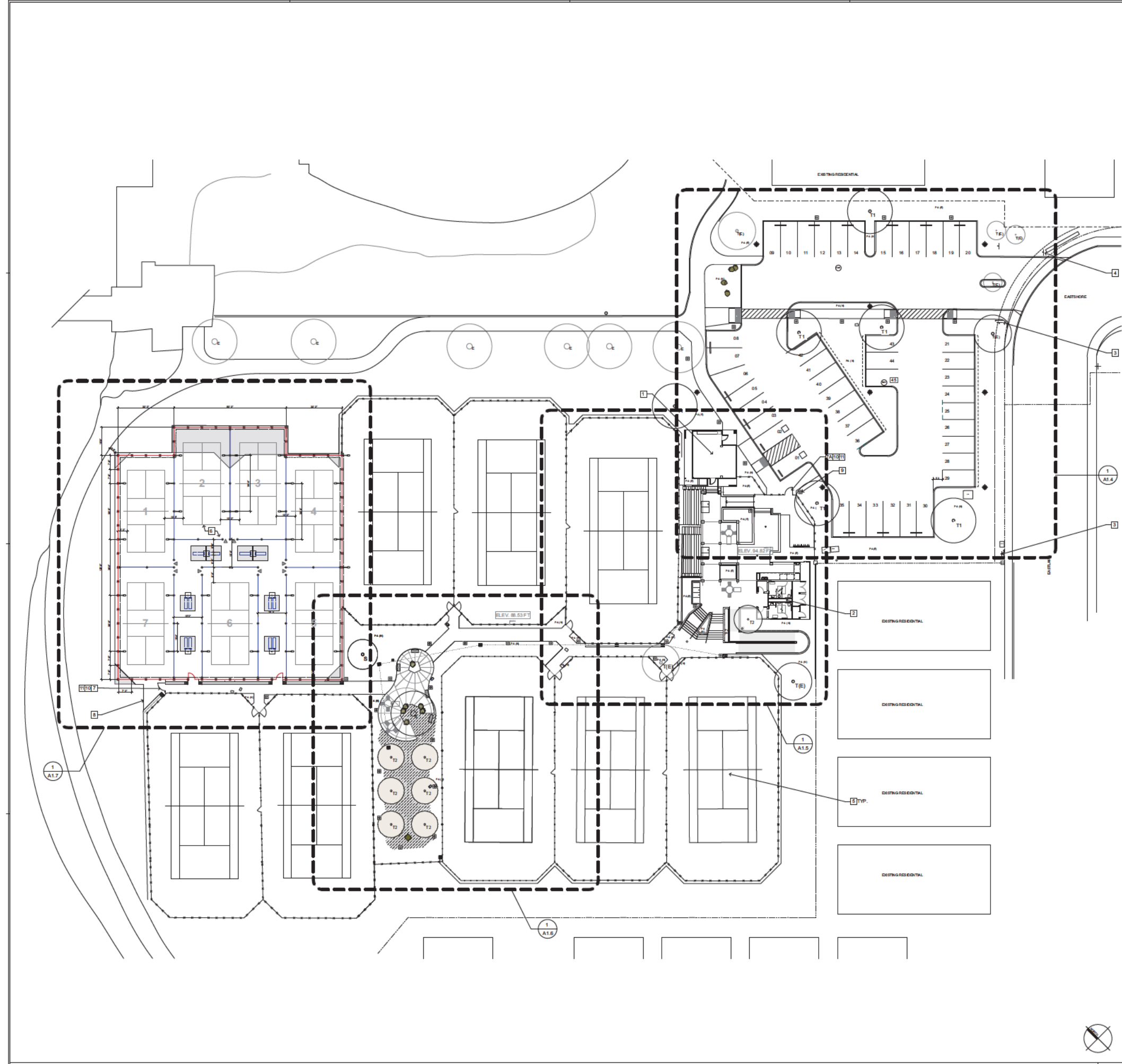
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Job No: 17-320.1
Issue Date: 9/11/2025

Sheet Title:
Site Plan -
Existing /
Demolition

Sheet No.:
A1.0



Site Plan - Proposed

- ☐ Site Plan Keynotes:
1. EXISTING RECREATION BUILDING TO INCLUDE ACCESSIBILITY UPGRADE - SEE SHEET A5.0
 2. RENOVATE EXISTING WOMEN'S AND MEN'S RESTROOMS TO INCLUDE ACCESSIBILITY UPGRADE - SEE SHEET A2.0
 3. NEW ACCESSIBLE ROUTE OF TRAVEL SIGN - SEE DETAILS 5 & 6/A1.1
 4. NEW ACCESSIBLE PARKING LOT SIGN - SEE A1.8
 5. EXISTING TENNIS COURT TO REMAIN - TYPICAL
 6. NEW PICKLEBALL COURTS - TYPICAL
 7. NEW 48 INCH WIDE CHAIN LINK GATE TO SWING OUT, SEE DETAIL 16/A1.1
 - 7a. NEW 48 INCH WIDE TUBE STEEL OR ALUMINUM GATE TO SWING OUT, SEE DETAIL 16/A1.1
 8. NEW CONCRETE LANDING
 9. NEW LIGHT BOLLARD TO MATCH EXISTING
 10. THE MAXIMUM OCCUPANT LOAD SHALL BE POSTED WHERE REQUIRED BY SECTION 1004.9. SUCH SIGNAGE SHALL BE PERMANENTLY AFFIXED INSIDE THE BUILDING AND SHALL BE POSTED IN A CONSPICUOUS SPACE NEAR ALL THE EXIT ACCESS DOORWAYS.
 11. THE EGRESS DOOR LOCKING DEVICE IS READILY DISTINGUISHABLE AS LOCKED AND SHALL BE A KEY OPERATED LOCKING DEVICE.

NOTE: TOTAL NEW TREES TO BE ADDED - 12

Legend:

- EXISTING SYCAMORE TO REMAIN
- EXISTING EUCALYPTUS TO REMAIN
- EXISTING TREE TO REMAIN
- NEW TREE, SEE L1.3, L1.4 & L1.5
- STRIPING
- EXISTING PLANTING AREA TO REMAIN
- NEW PLANTING AREA
- NEW POLE LIGHT AND FOOTING
- NEW LIGHT BOLLARD TO MATCH EXISTING - SEE DETAIL 11/A1.1
- ADDITIONAL CONCRETE WORK AT THE PERIMETER OF PROPOSED PICKLEBALL COURTS

No.	Date	Revision

Architect's Seal:

Project:

Woodbridge Village Association
North Lake Tennis Club Accessibility Improvements
16 Eastlake
Irvine, CA 92604

SMITH architects

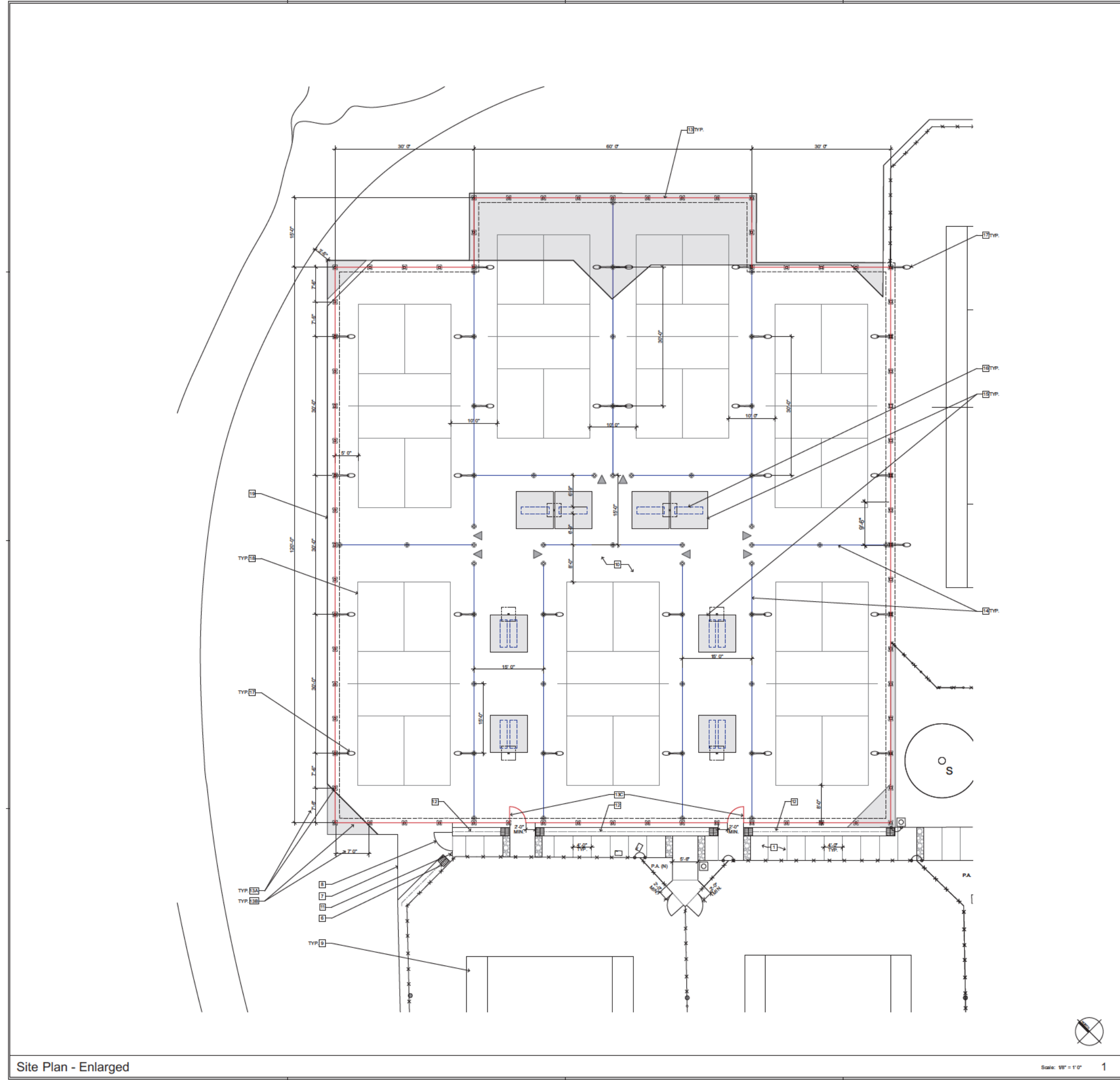
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Job No: 17-320.1
Issue Date: 01/12/2025

Sheet Title:
Site Plan - Proposed

Sheet No.:
A1.1

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Site Plan - Enlarged

Scale: 1/8" = 1'-0"

Site Plan Keynotes:

- NEW CONCRETE WALKWAY - REGRADE TO BE ACCESSIBLE COMPLIANT WITH SLOPE NO LESS THAN 1% AND NO GREATER THAN 2% IN ANY DIRECTION - TYPICAL - SEE DETAIL 21A.1
- NEW TREE - SEE LANDSCAPE
- NEW ACCESSIBLE 48" DIAMETER ROUND TABLE WITH 3 ATTACHED SEATS, PROVIDE SIGNAGE ON TABLE MANUFACTURER: SITE SCAPES, CITYVIEW TABLE - CV6-3110-ADA-PF, COLOR: SILVER
- NEW SEATING AREA BENCH - MANUFACTURER: SITE SCAPES, CITYVIEW SEATING - CV1-1100-PF, COLOR: STERLING
- REUSE EXISTING LIGHT BOLLARD IN THIS LOCATION, TYPICAL OF 1
- RELOCATED DRAIN
- NEW CONCRETE LANDING
- NEW 48 INCH WIDE CHAIN LINK GATE TO SWING OUT - SEE 161A.1
- EXISTING TENNIS COURT TO REMAIN - TYPICAL
- NEW PICKLEBALL COURTS - TYPICAL
- NEW KNOX BOX KEY VAULT FOR FIRE / POLICE DEPARTMENT ACCESS, MOUNTING LOCATION SHALL BE FIVE FEET ABOVE FINISH GRADE AND WITHIN TWO FEET OF THE LOCKING DEVICE
- NEW SWALE - SEE CIVIL DRAWINGS
- NEW 13 FEET HIGH PICKLEGLASS PERIMETER FENCE
 - NEW TYPICAL PICKLEGLASS POST AND POST SPACING
 - NEW TYPICAL SINGLE PICKLEGLASS PANEL AND PANEL WIDTH
 - NEW PICKLEGLASS GATE
- NEW 42 INCH HIGH CHAINLINK FENCE WITH POSTS
- NEW SHADE STRUCTURE BY SUPERIOR RECREATIONAL PRODUCTS
- NEW BENCH - MANUFACTURER: SITE SCAPES, CITYVIEW SEATING - CV1-1100-PF, COLOR: STERLING
- NEW COURT POLE LIGHTING BY NLS LIGHTING, MODEL VUE-34X
- NEW PICKLEBALL COURT STRIPING
- EXISTING EDGE OF CONCRETE

NOTE:
FOR GRADES AND HEIGHTS SEE CIVIL DRAWINGS

Legend:

- S EXISTING SYCAMORE TO REMAIN
- E EXISTING EUCLYPTUS TO REMAIN
- T(E) EXISTING TREE TO REMAIN
- T(H) NEW TREE, SEE L1.3
- CLEARANCE FOR ACCESSIBILITY
- NEW LIGHT BOLLARD TO MATCH EXISTING - SEE DETAIL 11A.1
- ALIGN
- P.A.(E) EXISTING PLANTING AREA TO REMAIN
- P.A.(N) PLANTING AREA NEW
- DECOMPOSED GRANITE
- NATURAL CONCRETE - TOP CAST 75
- ADDITIONAL CONCRETE WORK AT THE PERIMETER OF PROPOSED PICKLEBALL COURTS

No.	Date	Revision

Architects Seal:



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Job No: 17-320.1
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Sheet Title:
Site Plan - Enlarged

Sheet No.:
A1.7

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Eilar Associates, Inc.
Acoustical and Environmental Consulting Services

Appendix B

Applicable Noise Regulations

CHAPTER 2. - NOISE

Footnotes:

--- (8) ---

Editor's note— Prior to amendment by Ord. No. 84-18, adopted Sept. 11, 1984, the provisions of this chapter derived from Ord. No. 136, §§ 2—13, adopted March 25, 1975.

Sec. 6-8-201. - Declaration of policy.

The City Council has adopted the following regulations in order to control unnecessary, excessive and annoying noise in the City of Irvine. The provisions of this chapter are applicable to nontransportation-related stationary noise sources.

(Code 1976, § VI.K-301; Ord. No. 84-18, 9-11-84)

Sec. 6-8-202. - Definitions.

The following definitions are provided to clarify words, phrases and terms used in this chapter:

Ambient noise level: The all-encompassing noise level associated with a given environment, being a composite of sounds from all sources, excluding the alleged offensive noise, at the location and approximate time at which a comparison with the alleged offensive noise is to be made.

Chain saw: A portable power saw for cutting and shaping of vegetation by means of teeth set on a rotating chain which moves around the edge of a fixed blade.

Cumulative period: An additive period of time composed of individual time segments which may be continuous or interrupted.

Decibel (dB): A unit of noise measurement indicating the loudness of sound, based on logarithmic (base 10) scale.

Edger: A portable machine for trimming vegetation along a sidewalk, curb, or other hardscape area.

Emergency work: Any mechanical device, apparatus or equipment, which is used, employed or performed in an effort to protect, provide or restore safe conditions in the community or for the citizenry, or work by private or public utilities when restoring utility service.

Grading: Any excavating or filling of earth material or any combination thereof conducted to prepare a site for construction or the placement of the improvements thereon.

Hedge trimmer: A portable machine for cutting and shaping hedges, shrubs, small trees and other vegetation with reciprocating blades.

Impact noises: The noise produced by the collision of one mass in motion with a second mass which may be either in motion or at rest.

Lawn mower: A walk-behind device utilizing one or more revolving blades, or a reel, to cut a grass surface to an even height. The blades may be powered by manual force such that the wheels mechanically connected to the cutting blades so that the blades spin when the mower is pushed forward, a battery-powered motor, a plug-in electric motor, or internal combustion engine. Riding lawn mowers are not included in this definition.

Leaf blower: Portable power equipment used in any landscape maintenance, construction, property repair, or property maintenance for the purpose of blowing, dispersing or redistributing dust, dirt, leaves, grass clippings, cuttings and trimmings from trees and shrubs or other debris.

Noise level: The "A" weighted sound pressure level in decibels obtained by using a sound level meter. The "A" weighted discriminates against the lower and higher frequencies according to a relationship with the sensitivity of the human ear. The unit of measurement is designated as dB(A).

Predominant tone noise: A noise characterized by a predominant frequency or frequencies so that other frequencies cannot be readily distinguished.

Stationary noise source: The source which is often referred to as "fixed source" (non-transportation-related) including, but not limited to, mechanical electric equipment, various power tools, construction, commercial, industrial and agricultural activity and animal noise.

String trimmer: A portable machine for cutting vegetation with a rapidly spinning length of monofilament cord or blades.

(Code 1976, § VI.K-302; Ord. No. 84-18, 9-11-84; Ord. No. 23-25, § 1(Exh. A), 12-12-23)

Sec. 6-8-203. - Noise level measurement criteria.

- A. Any noise level measurements made pursuant to the provisions of this chapter shall be performed using a sound level meter.
- B. The location selected for measuring exterior noise levels shall be at any exterior part of the receiving property, except for private residential balconies, decks, roof decks, or other exterior areas only accessible through a private residence.
- C. The location selected for measuring exterior noise levels in a nonresidential area shall be at any point on a receiving property, 5-feet above finish grade, no closer than five-feet from any wall.
- D. Any noise level measurement made pursuant to the provisions of this chapter shall be based on a reference sound pressure of 20 micropascals as measured with a sound level meter using the A-weighted network (scale) at slow response.
- E.

Noise measurements shall be taken over a minimum 15-minute period, or until the running average sound level variance is less than 1 dB.

(Code 1976, § VI.K-303; Ord. No. 84-18, 9-11-84; Ord. No. 23-25, § 1(Exh. A), 12-12-23)

Sec. 6-8-204. - General provision.

A. Exterior noise standards.

1. The following noise standards, unless otherwise specifically indicated, shall apply to all property within a designated noise zone.
2. It shall be unlawful for any person at any location within the City to create any noise or to allow the creation of any noise on property owned, leased, occupied or otherwise controlled by such person which causes the noise level when measured on any receiving property either within or without the City to exceed the noise standard for the applicable receiving type of land use for any consecutive fifteen-minute period. The noise following noise standards shall be increased by five dB(A) for consecutive sound durations less than 15 minutes, by 10 dB(A) for consecutive sound durations less than 5 minutes, and by 15 dB(A) for consecutive sound duration less than 1 minute.
3. Each of the following noise standards shall be reduced by five dB(A) for impact noise, predominant tone noise, or for noises consisting of speech or music.
4. In the event the existing ambient noise level exceeds the noise standard, the maximum allowable noise level under said category shall be increased to the ambient noise level.
5. In the event that the noise source and the receiving property are within different noise zones, the noise standards of the receiving property shall apply.

EXTERIOR NOISE PERFORMANCE STANDARDS

(Equivalent Noise Level, dBA Leq)

TYPE OF LAND USE	7:00 a.m. to 10:00 p.m.	10:00 p.m. to 7:00 a.m.
	Leq	Leq
Residential	60	55
Residential Portions of Properties Zoned for Multi-Use	60	55

Commercial, Industrial, Manufacturing	70	60
Office/Institutional (hospital, school classroom, church, library)	60	55

(Code 1976, § VI.K-304; Ord. No. 84-18, 9-11-84; Ord. No. 05-06, § 2, 2-22-05; Ord. No. 23-25, § 1(Exh. A), 12-12-23)

Sec. 6-8-205. - Special provisions.

- A. Construction activities and agricultural operations may occur Monday through Friday from 7:00 a.m. to 7:00 p.m. and Saturday from 9:00 a.m. to 6:00 p.m. No construction activities shall be permitted outside of these hours or on Sundays and federal holidays, except Columbus Day, unless a temporary waiver is granted by the Chief Building Official or his or her authorized representative. Trucks, vehicles, and equipment that are making or are involved with material deliveries, loading, or transfer of materials, equipment service, maintenance of any devices or appurtenances for or within any construction project in the City shall not be operated or driven on City streets outside of these hours or on Sundays and federal holidays unless a temporary waiver is granted by the City. Any waiver granted shall take impact upon the community into consideration. No construction activity and agricultural operations will be permitted outside of these hours except in emergencies including maintenance work on the City rights-of-way that might be required.

Deliveries to or pickups from any commercial property sharing a property line with any residential property may occur daily from 7:00 a.m. to 10:00 p.m. No deliveries to or pickups from any such properties shall occur outside of these hours.

- B. Maintenance of real property operations may exceed the noise standards Monday through Saturday from 7:00 a.m. to 7:00 p.m. and Sundays or federal holidays from 9:00 a.m. to 6:00 p.m.
- C. Noise from air conditioning, refrigeration, or heating equipment for residences or other structures, and pumps, filters or heating equipment for pools or reservoirs shall not exceed the higher of the noise standards prescribed in the section above or the five decibels above the ambient noise level.
- D. The use of leaf blowers, lawn mowers, string trimmers, hedge trimmers, chain saws, and edgers shall be regulated as follows:
1. *Limitations on use.*

Pickleball

Please visit our [online court reservation software](#) to make a pickleball or tennis court reservation. First-time online users will need to create a [CivicRec account](#) before reservations can be made.

Please note that as of November 3, 2025, Woodbridge Village Association is offering online tennis and pickleball court reservations through new and improved software provided by [CivicRec](#). Members who previously had an online court reservation account set up through ClubClix need to set up a new account with CivicRec in order to make court reservations - your old ClubClix account is no longer valid.

Please [visit our page dedicated to tennis](#) for more information on tennis play and the Association's tennis programs.

Please view the [rules \(PDF\)](#) in place at this time for pickleball play.

Below is general information on pickleball court reservations and walk-on play, and additional general pickleball information.

North Lake Tennis Club Pickleball

Four pickleball courts at North Lake Tennis Club are available for reserved and walk-on play.

Two of the pickleball courts at North Lake are available for advance online reservation. To make a court reservation, please visit our [online court reservation software](#). First-time online users will need to create a [CivicRec account](#) before reservations can be made.

Pickleball play is also available on a first-come, first-served basis on the walk-up courts. Whether you have a reservation or are participating as a walk-up, players must sign up on the chalkboard in the entry area upon arriving. Play is limited to one hour and thirty minutes.

Hours of play are 8 am to 10 pm daily at this time. These operating hours are subject to change.

Authorized guests must play on the same court as their sponsoring member. Members must have their facility identification card in their possession and present it to the staff when requested. Members not in possession of their facility identification card may be asked to leave.

The remaining nine courts at North Lake Tennis Club and the tennis courts at South Lake Tennis Club, Stone Creek and Timber Run are designated for tennis play only.

Members are requested to please keep noise levels to a minimum while at the pickleball and tennis facilities.

View the [rules \(PDF\)](#) in place at this time for pickleball play.

Pickleball Update

The Association is planning renovations and improvements at North Lake Tennis Club, including three new pickleball courts. Design is currently in progress for this project, and construction is currently expected to commence in fall 2026.

The scope of work for the project includes restroom renovations, lounge renovations, accessibility improvements, landscape and furnishings improvements, modifications to the parking lot and the addition of 9 parking spaces, and other improvements.

The Board of Directors has also now authorized planning for three additional pickleball courts on court 4 as part of this renovation project, which may include using 13-foot tall Pickleglass to enclose the pickleball courts for enhanced sound mitigation, aesthetics and playing conditions. Pickleglass is a high-impact, tempered glass designed specifically for sports court facilities. Pickleglass not only offers a modern aesthetic but also provides up to 50% noise reduction.

The Board of Directors and staff conducted a comprehensive review of all recreation facilities in 2025 to identify the most suitable location for potential new pickleball courts. At the June 4, 2025 Regular Session meeting, the Board of Directors identified North Lake Tennis Club (NLTC) as the preferred site, and residents in the vicinity of the facility were contacted to seek their input on the potential addition of new pickleball courts.

Following review of resident input, at the July 2, 2025 Regular Session meeting, the Board of Directors passed a resolution authorizing staff and the consultant team to begin design for three (3) additional pickleball courts on court 4 at NLTC. Additionally, the Board directed staff to develop a proposed minimum sound standard for pickleball for Board review. At the August 6, 2025 Regular Session meeting the Board authorized additional sound testing. Following review of the consultant's report at the October 8, 2025 Regular Session meeting, the Board of Directors adopted a sound standard for pickleball near residential property based on ANSI Standard S12.9 Part 5 with an adjusted equivalent sound pressure level (Leq) of at or below 55 dBA at the first story property line and at the second story deck level at the property line.

Please find more information about Pickleglass.

In addition to identifying North Lake Tennis Club as the preferred location for additional pickleball courts, at the June 4 Regular Session meeting the Board also decided to

eliminate all of the other recreation facilities from consideration for pickleball courts at this time, including South Lake Tennis Club.

Renovations to the tennis club will be funded out of existing reserve funds. A timeline for construction has not been finalized at this time. However, at the November 19, 2025 Regular Session meeting, the Board agreed to delay construction until fall 2026 as it continues to study options for the best possible sound mitigation.

The Board of Directors is looking forward to providing a beautifully updated tennis and pickleball facility to the membership in the coming months!

Pickleball at Mike Ward Community Park in Woodbridge

Construction of 8 public pickleball courts is underway at Mike Ward Community Park in Woodbridge. According to the City of Irvine, construction is scheduled to be completed soon and the new public pickleball courts will be available for play in early 2026.



Appendix C

CadnaA Analysis Data and Results

Eilar Associates, Inc.

210 South Juniper Street, Suite 100

Escondido, California 92025-4230

Phone: (760) 738-5570

Date: 14 Jan 2026

Calculation Configuration

Configuration	
Parameter	Value
General	
Max. Error (dB)	0.00
Max. Search Radius (ft)	6561.68
Min. Dist Src to Rcvr	0.00
Partition	
Raster Factor	0.50
Max. Length of Section (ft)	3280.84
Min. Length of Section (ft)	3.28
Min. Length of Section (%)	0.00
Proj. Line Sources	On
Proj. Area Sources	On
Ref. Time	
Daytime Penalty (dB)	0.00
Recr. Time Penalty (dB)	6.00
Night-time Penalty (dB)	10.00
DTM	
Standard Height (m)	0.00
Model of Terrain	Triangulation
Reflection	
max. Order of Reflection	3
Search Radius Src	328.08
Search Radius Rcvr	328.08
Max. Distance Source - Rcvr	3280.84 3280.84
Min. Distance Rcvr - Reflector	3.28 3.28
Min. Distance Source - Reflector	0.33
Industrial (ISO 9613 (1996))	
Lateral Diffraction	some Obj
Obst. within Area Src do not shield	On
Screening	Excl. Ground Att. over Barrier
	Dz with limit (20/25)
Barrier Coefficients C1,2,3	3.0 20.0 0.0
Temperature (°F)	50
rel. Humidity (%)	70
Ground Absorption G	0.30
Wind Speed for Dir. (mph)	6.7
Roads (TNM)	
Railways (Schall 03 (1990))	
Strictly acc. to Schall 03 / Schall-Transrapid	
Aircraft (NONE)	
Strictly acc. to AzB	

Receivers

Name	Sel.	M.	ID	Level Lr		Limit. Value		Land Use			Height		Coordinates		
				Day	Night	Day	Night	Type	Auto	Noise Type			X	Y	Z
				(dBA)	(dBA)	(dBA)	(dBA)				(ft)		(ft)	(ft)	(ft)
1-R1				56.6	56.6	55.0	0.0				5.00	r	757.77	361.40	102.97
2-R2				56.2	56.2	55.0	0.0				15.00	r	763.14	329.11	112.64
1-R3				52.2	52.2	55.0	0.0				5.00	r	1012.92	321.06	101.62
2-R4				53.0	53.0	55.0	0.0				15.00	r	1017.20	308.24	111.99
1-R5				51.7	51.7	55.0	0.0				5.00	r	1148.56	540.37	101.00
2-R6				51.7	51.7	55.0	0.0				15.00	r	1189.79	584.32	110.66
1-R7				51.0	51.0	55.0	0.0				5.00	r	966.87	1018.36	87.00
2-R8				50.1	50.1	55.0	0.0				15.00	r	946.46	1033.28	97.00
1-R9				52.0	52.0	55.0	0.0				5.00	r	595.94	924.76	92.23
2-R10				51.7	51.7	55.0	0.0				15.00	r	587.33	940.62	102.49

Tennis Sources

Name	Sel.	M.	ID	Operating Time			Height		Coordinates		
				Day	Special	Night			X	Y	Z
				(min)	(min)	(min)	(ft)		(ft)	(ft)	(ft)
Pickleball 1							5.00	r	791.84	620.34	95.00
Pickleball 2							5.00	r	824.49	612.62	95.00
Pickleball 3							5.00	r	847.54	593.10	95.00
Pickleball 4							5.00	r	860.69	562.23	95.00
Pickleball 5							5.00	r	822.06	516.15	95.00
Pickleball 6							5.00	r	787.57	545.22	95.00
Pickleball 7							5.00	r	753.00	574.46	95.00

Barriers

Name	Sel.	M.	ID	Absorption		Z-Ext.	Cantilever		Height		
				left	right		horz.	vert.	Begin	End	
						(ft)	(ft)	(ft)	(ft)	(ft)	
NW Barrier		-		0.00	0.00				13.00	r	
SE Barrier		-		0.00	0.00				13.00	r	
SW Barrier		-		0.00	0.00				13.00	r	
NE Barrier		-		0.00	0.00				13.00	r	

Geometry - Barriers

Name	Sel.	M.	ID	Absorption		Z-Ext.	Cantilever		Height		Coordinates			
				left	right		horz.	vert.	Begin	End	x	y	z	Ground
						(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)
NW Barrier		-		0.00	0.00				13.00	r	799.72	653.00	0.00	0.00
											822.48	633.59	0.00	0.00
											832.23	645.04	0.00	0.00
											878.16	606.31	0.00	0.00
											868.51	594.76	0.00	0.00
											891.51	575.34	0.00	0.00
SE Barrier		-		0.00	0.00				13.00	r	891.51	575.34	0.00	0.00
											814.04	483.43	0.00	0.00
SW Barrier		-		0.00	0.00				13.00	r	814.04	483.43	0.00	0.00
											722.12	560.75	0.00	0.00
NE Barrier		-		0.00	0.00				13.00	r	722.12	560.75	0.00	0.00
											799.72	653.00	0.00	0.00

Buildings

Name	Sel.	M.	ID	RB	Residents	Absorption	Height
							Begin
							(ft)
Building					0		105.00 a
Building					0		105.00 a

Geometry - Buildings

Name	Sel.	M.	ID	RB	Residents	Absorption	Height	Coordinates			
							Begin	x	y	z	Ground
							(ft)	(ft)	(ft)	(ft)	(ft)
Building					0		105.00 a	1040.95	467.21	105.00	90.33
								1056.52	453.88	105.00	94.80
								1051.20	447.91	105.00	94.56
								1056.96	442.92	105.00	95.44
								1045.78	429.35	105.00	96.00
								1024.54	447.57	105.00	90.83
Building					0		105.00 a	1004.43	364.86	105.00	95.00
								1009.12	370.23	105.00	96.00
								1013.82	366.05	105.00	96.00
								1018.73	371.75	105.00	96.00
								1014.01	375.77	105.00	96.00
								1018.24	380.93	105.00	96.00
								1035.81	365.34	105.00	96.00
								1022.41	349.82	105.00	95.71

Terrain Contours

Name	Sel.	M.	ID	OnlyPts	Height		Coordinates		
					Begin (ft)	End (ft)	x (ft)	y (ft)	z (ft)
cWater					82.00		59.02	686.77	82.00
							97.67	696.57	82.00
							166.17	709.56	82.00
							209.10	715.17	82.00
							313.01	680.44	82.00
							343.64	679.62	82.00
							442.35	691.65	82.00
							563.22	766.03	82.00
							579.75	782.56	82.00
							574.24	810.82	82.00
							608.01	858.36	82.00
							651.76	909.22	82.00
							646.98	924.20	82.00
							671.07	976.28	82.00
							711.27	1028.24	82.00
							755.30	1066.80	82.00
							793.28	1086.76	82.00
							847.75	1091.54	82.00
							923.55	1064.67	82.00
							997.28	1046.41	82.00
							1144.65	1052.92	82.00
							1219.84	1093.11	82.00
							1283.65	1158.23	82.00
							1876.60	1157.88	82.00
							1876.60	1105.86	82.00
							1824.92	1035.57	82.00
							1787.71	1014.90	82.00
							1704.68	989.75	82.00
							1664.71	991.13	82.00
							1576.16	1011.80	82.00
							1527.93	1004.56	82.00
							1458.68	970.11	82.00
							1417.87	919.76	82.00
							1361.44	825.13	82.00
							1291.12	770.43	82.00
							1197.36	700.11	82.00
							1173.92	674.93	82.00
							1137.45	600.27	82.00
							1094.91	602.87	82.00
							1064.98	590.35	82.00
							968.16	691.43	82.00
							992.47	732.23	82.00
							918.67	791.27	82.00
							885.25	765.08	82.00

Name	Sel.	M.	ID	OnlyPts	Height		Coordinates		
					Begin (ft)	End (ft)	x (ft)	y (ft)	z (ft)
							822.20	693.76	82.00
							759.70	659.04	82.00
							706.30	620.40	82.00
							658.12	568.31	82.00
							634.24	513.18	82.00
							623.83	441.99	82.00
							610.80	388.60	82.00
							601.25	355.17	82.00
							570.43	320.01	82.00
							518.78	289.63	82.00
							486.22	277.47	82.00
							441.77	246.12	82.00
							393.15	185.13	82.00
							342.80	70.96	82.00
							57.31	70.96	82.00
							59.02	686.77	82.00
cNorth Shore							74.53	724.53	87.00
							60.42	825.89	89.00
							91.46	857.37	89.00
							211.28	861.27	89.00
							229.94	939.85	89.00
							303.31	940.72	89.00
							412.70	959.38	92.00
							525.57	875.17	91.00
							557.26	813.52	84.00
							584.18	873.86	86.00
							604.58	920.31	87.00
							655.92	981.30	88.00
							758.47	1113.39	91.00
							825.20	1110.93	88.00
							1002.31	1056.14	91.00
							1136.31	1062.71	88.00
							1267.58	1158.15	92.00
cIsland							788.97	797.75	85.00
							715.13	745.24	87.00
							687.51	731.84	85.00
							691.07	709.42	85.00
							712.67	705.59	86.00
							748.50	709.69	88.00
							812.49	781.89	84.00
							788.97	797.75	85.00
cSouth Shore							1566.85	989.71	88.00
							1471.68	957.44	85.00
							1397.84	830.00	88.00
							1253.99	720.61	84.00
							1197.10	670.29	85.00

Name	Sel.	M.	ID	OnlyPts	Height		Coordinates		
					Begin (ft)	End (ft)	x (ft)	y (ft)	z (ft)
							1157.72	572.93	93.00
							1097.76	563.77	92.00
							1054.77	575.76	90.00
							957.53	685.60	83.00
							977.77	725.53	83.00
							919.79	770.38	83.00
							889.71	756.71	84.00
							822.98	675.76	87.00
							746.95	634.73	87.00
							715.78	604.65	87.00
							679.68	554.33	90.00
							641.94	453.69	88.00
							643.03	367.27	91.00
							621.58	318.19	95.00
							520.59	242.25	91.00
							460.64	166.45	96.00
							572.96	70.66	96.00
							709.41	237.43	96.00
							921.67	70.66	96.00
cNorth							57.02	1158.70	88.00
							587.31	1158.15	88.00
							1024.40	1158.23	91.00
							1143.45	1158.84	88.00
cResidential							567.10	85.90	96.00
							495.90	145.59	98.00
							558.63	220.48	98.00
							662.18	347.03	98.00
							758.12	363.53	98.00
							853.05	284.10	98.00
							928.58	221.26	98.00
							987.85	289.78	97.00
							1048.49	368.35	96.00
							1056.22	395.39	96.00
							1069.17	479.30	94.00
							1112.93	527.54	96.00
							1146.01	548.56	96.00
							1200.80	613.34	96.00
							1251.11	680.54	94.00
							1392.64	783.00	92.00
cResidential							1020.42	142.97	97.00
							1018.36	195.35	97.00
							1133.45	297.34	99.00
							1211.32	391.76	96.00
							1282.31	399.34	94.00
							1305.74	548.20	92.00
							1454.22	725.33	91.00

Name	Sel.	M.	ID	OnlyPts	Height		Coordinates		
					Begin	End	x	y	z
					(ft)	(ft)	(ft)	(ft)	(ft)
cResidential							1877.28	433.22	94.00
							1876.19	68.92	95.00
cPad					90.00		882.33	293.09	90.00
							950.15	373.94	90.00
							964.10	374.88	90.00
							994.99	348.61	90.00
							995.85	332.97	90.00
							930.51	255.26	90.00
							914.99	253.96	90.00
							882.97	281.09	90.00
							882.31	293.06	90.00
cPad					90.00		949.50	374.34	90.00
							882.08	294.06	90.00
							868.95	293.18	90.00
							837.42	319.84	90.00
							836.43	332.72	90.00
							823.42	331.64	90.00
							791.45	358.81	90.00
							777.29	370.58	90.00
							757.32	384.19	90.00
							752.11	380.08	90.00
							736.53	378.23	90.00
							705.21	405.10	90.00
							703.97	418.40	90.00
							690.89	417.36	90.00
							658.61	444.17	90.00
							657.38	459.76	90.00
							721.59	539.29	90.00
							736.92	540.23	90.00
							827.46	462.55	90.00
							855.36	451.95	90.00
							871.70	452.84	90.00
							955.82	381.53	90.00
							949.50	374.34	90.00
cPad					90.00		955.65	386.36	90.00
							972.79	388.25	90.00
							1038.57	466.34	90.00
							1037.68	480.77	90.00
							998.17	514.10	90.00
							997.20	527.29	90.00
							964.24	555.12	90.00
							951.79	566.67	90.00
							918.49	594.50	90.00
							904.40	593.27	90.00
							891.11	577.21	90.00
							870.21	595.01	90.00

Name	Sel.	M.	ID	OnlyPts	Height		Coordinates		
					Begin	End	x	y	z
					(ft)	(ft)	(ft)	(ft)	(ft)
							879.82	606.25	90.00
							832.09	646.80	90.00
							822.55	635.65	90.00
							799.30	655.24	90.00
							718.59	560.96	90.00
							812.97	480.48	90.00
							837.07	508.81	90.00
							838.05	497.52	90.00
							921.52	427.94	90.00
							923.59	413.66	90.00
							955.65	386.36	90.00
cRoad							1291.72	75.47	99.00
							1435.00	239.53	94.00
							1526.88	176.09	96.00
							1739.07	441.88	98.00
cPad					96.00		1031.09	442.06	96.00
							986.25	389.70	96.00
							986.52	383.28	96.00
							1006.87	367.67	96.00
							1025.05	352.72	96.00
							1054.67	395.37	96.00
							1052.17	428.75	96.00
							1049.85	434.17	96.00
							1031.10	442.07	96.00

Eilar Associates, Inc.

210 South Juniper Street, Suite 100

Escondido, California 92025-4230

Phone: (760) 738-5570

Date: 15 Jan 2026

Calculation Configuration

Configuration	
Parameter	Value
General	
Max. Error (dB)	0.00
Max. Search Radius (ft)	6561.68
Min. Dist Src to Rcvr	0.00
Partition	
Raster Factor	0.50
Max. Length of Section (ft)	3280.84
Min. Length of Section (ft)	3.28
Min. Length of Section (%)	0.00
Proj. Line Sources	On
Proj. Area Sources	On
Ref. Time	
Daytime Penalty (dB)	0.00
Recr. Time Penalty (dB)	6.00
Night-time Penalty (dB)	10.00
DTM	
Standard Height (m)	0.00
Model of Terrain	Triangulation
Reflection	
max. Order of Reflection	3
Search Radius Src	328.08
Search Radius Rcvr	328.08
Max. Distance Source - Rcvr	3280.84 3280.84
Min. Distance Rcvr - Reflector	3.28 3.28
Min. Distance Source - Reflector	0.33
Industrial (ISO 9613 (1996))	
Lateral Diffraction	some Obj
Obst. within Area Src do not shield	On
Screening	Excl. Ground Att. over Barrier
	Dz with limit (20/25)
Barrier Coefficients C1,2,3	3.0 20.0 0.0
Temperature (°F)	50
rel. Humidity (%)	70
Ground Absorption G	0.30
Wind Speed for Dir. (mph)	6.7
Roads (TNM)	
Railways (Schall 03 (1990))	
Strictly acc. to Schall 03 / Schall-Transrapid	
Aircraft (NONE)	
Strictly acc. to AzB	

Receivers

Name	Sel.	M.	ID	Level Lr		Limit. Value		Land Use			Height		Coordinates		
				Day	Night	Day	Night	Type	Auto	Noise Type			X	Y	Z
				(dBA)	(dBA)	(dBA)	(dBA)				(ft)		(ft)	(ft)	(ft)
1-R1				50.9	50.9	55.0	0.0				5.00	r	757.77	361.40	102.97
2-R2				51.6	51.6	55.0	0.0				15.00	r	763.14	329.11	112.64
1-R3				46.5	46.5	55.0	0.0				5.00	r	1012.92	321.06	101.62
2-R4				48.2	48.2	55.0	0.0				15.00	r	1017.20	308.24	111.99
1-R5				46.3	46.3	55.0	0.0				5.00	r	1148.56	540.37	101.00
2-R6				47.0	47.0	55.0	0.0				15.00	r	1189.79	584.32	110.66
1-R7				46.5	46.5	55.0	0.0				5.00	r	966.87	1018.36	87.00
2-R8				45.4	45.4	55.0	0.0				15.00	r	946.46	1033.28	97.00
1-R9				45.3	45.3	55.0	0.0				5.00	r	595.94	924.76	92.23
2-R10				45.6	45.6	55.0	0.0				15.00	r	587.33	940.62	102.49

Tennis Sources

Name	Sel.	M.	ID	Operating Time			Height		Coordinates		
				Day	Special	Night			X	Y	Z
				(min)	(min)	(min)	(ft)		(ft)	(ft)	(ft)
Pickleball 1							5.00	r	791.84	620.34	95.00
Pickleball 2							5.00	r	824.49	612.62	95.00
Pickleball 3							5.00	r	847.54	593.10	95.00
Pickleball 4							5.00	r	860.69	562.23	95.00
Pickleball 5							5.00	r	822.06	516.15	95.00
Pickleball 6							5.00	r	787.57	545.22	95.00
Pickleball 7							5.00	r	753.00	574.46	95.00

Barriers

Name	Sel.	M.	ID	Absorption		Z-Ext.	Cantilever		Height		
				left	right		horz.	vert.	Begin	End	
						(ft)	(ft)	(ft)	(ft)	(ft)	
NE Barrier		+		0.00	0.00				13.00	r	
SE Barrier		+		0.00	0.00				13.00	r	
SW Barrier		+		0.00	0.00				13.00	r	
NW Barrier		+		0.00	0.00				13.00	r	

Geometry - Barriers

Name	Sel.	M.	ID	Absorption		Z-Ext.	Cantilever		Height		Coordinates			
				left	right		horz.	vert.	Begin	End	x	y	z	Ground
						(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)
NE Barrier		+		0.00	0.00				13.00	r	799.72	653.00	103.00	90.00
											822.48	633.59	103.00	90.00
											832.23	645.04	103.00	90.00
											878.16	606.31	103.00	90.00
											868.51	594.76	103.00	90.00
											891.51	575.34	103.00	90.00
SE Barrier		+		0.00	0.00				13.00	r	891.51	575.34	103.00	90.00
											814.04	483.43	103.00	90.00
SW Barrier		+		0.00	0.00				13.00	r	814.04	483.43	103.00	90.00
											722.12	560.75	103.00	90.00
NW Barrier		+		0.00	0.00				13.00	r	722.12	560.75	103.00	90.00
											799.72	653.00	103.00	90.00

Buildings

Name	Sel.	M.	ID	RB	Residents	Absorption	Height
							Begin
							(ft)
Building					0		105.00 a
Building					0		105.00 a

Geometry - Buildings

Name	Sel.	M.	ID	RB	Residents	Absorption	Height	Coordinates			
							Begin	x	y	z	Ground
							(ft)	(ft)	(ft)	(ft)	(ft)
Building					0		105.00 a	1040.95	467.21	105.00	90.33
								1056.52	453.88	105.00	94.80
								1051.20	447.91	105.00	94.56
								1056.96	442.92	105.00	95.44
								1045.78	429.35	105.00	96.00
								1024.54	447.57	105.00	90.83
Building					0		105.00 a	1004.43	364.86	105.00	95.00
								1009.12	370.23	105.00	96.00
								1013.82	366.05	105.00	96.00
								1018.73	371.75	105.00	96.00
								1014.01	375.77	105.00	96.00
								1018.24	380.93	105.00	96.00
								1035.81	365.34	105.00	96.00
								1022.41	349.82	105.00	95.71

Terrain Contours

Name	Sel.	M.	ID	OnlyPts	Height		Coordinates		
					Begin (ft)	End (ft)	x (ft)	y (ft)	z (ft)
cWater					82.00		59.02	686.77	82.00
							97.67	696.57	82.00
							166.17	709.56	82.00
							209.10	715.17	82.00
							313.01	680.44	82.00
							343.64	679.62	82.00
							442.35	691.65	82.00
							563.22	766.03	82.00
							579.75	782.56	82.00
							574.24	810.82	82.00
							608.01	858.36	82.00
							651.76	909.22	82.00
							646.98	924.20	82.00
							671.07	976.28	82.00
							711.27	1028.24	82.00
							755.30	1066.80	82.00
							793.28	1086.76	82.00
							847.75	1091.54	82.00
							923.55	1064.67	82.00
							997.28	1046.41	82.00
							1144.65	1052.92	82.00
							1219.84	1093.11	82.00
							1283.65	1158.23	82.00
							1876.60	1157.88	82.00
							1876.60	1105.86	82.00
							1824.92	1035.57	82.00
							1787.71	1014.90	82.00
							1704.68	989.75	82.00
							1664.71	991.13	82.00
							1576.16	1011.80	82.00
							1527.93	1004.56	82.00
							1458.68	970.11	82.00
							1417.87	919.76	82.00
							1361.44	825.13	82.00
							1291.12	770.43	82.00
							1197.36	700.11	82.00
							1173.92	674.93	82.00
							1137.45	600.27	82.00
							1094.91	602.87	82.00
							1064.98	590.35	82.00
							968.16	691.43	82.00
							992.47	732.23	82.00
							918.67	791.27	82.00
							885.25	765.08	82.00

Name	Sel.	M.	ID	OnlyPts	Height		Coordinates		
					Begin (ft)	End (ft)	x (ft)	y (ft)	z (ft)
							822.20	693.76	82.00
							759.70	659.04	82.00
							706.30	620.40	82.00
							658.12	568.31	82.00
							634.24	513.18	82.00
							623.83	441.99	82.00
							610.80	388.60	82.00
							601.25	355.17	82.00
							570.43	320.01	82.00
							518.78	289.63	82.00
							486.22	277.47	82.00
							441.77	246.12	82.00
							393.15	185.13	82.00
							342.80	70.96	82.00
							57.31	70.96	82.00
							59.02	686.77	82.00
cNorth Shore							74.53	724.53	87.00
							60.42	825.89	89.00
							91.46	857.37	89.00
							211.28	861.27	89.00
							229.94	939.85	89.00
							303.31	940.72	89.00
							412.70	959.38	92.00
							525.57	875.17	91.00
							557.26	813.52	84.00
							584.18	873.86	86.00
							604.58	920.31	87.00
							655.92	981.30	88.00
							758.47	1113.39	91.00
							825.20	1110.93	88.00
							1002.31	1056.14	91.00
							1136.31	1062.71	88.00
							1267.58	1158.15	92.00
cIsland							788.97	797.75	85.00
							715.13	745.24	87.00
							687.51	731.84	85.00
							691.07	709.42	85.00
							712.67	705.59	86.00
							748.50	709.69	88.00
							812.49	781.89	84.00
							788.97	797.75	85.00
cSouth Shore							1566.85	989.71	88.00
							1471.68	957.44	85.00
							1397.84	830.00	88.00
							1253.99	720.61	84.00
							1197.10	670.29	85.00

Name	Sel.	M.	ID	OnlyPts	Height		Coordinates		
					Begin (ft)	End (ft)	x (ft)	y (ft)	z (ft)
							1157.72	572.93	93.00
							1097.76	563.77	92.00
							1054.77	575.76	90.00
							957.53	685.60	83.00
							977.77	725.53	83.00
							919.79	770.38	83.00
							889.71	756.71	84.00
							822.98	675.76	87.00
							746.95	634.73	87.00
							715.78	604.65	87.00
							679.68	554.33	90.00
							641.94	453.69	88.00
							643.03	367.27	91.00
							621.58	318.19	95.00
							520.59	242.25	91.00
							460.64	166.45	96.00
							572.96	70.66	96.00
							709.41	237.43	96.00
							921.67	70.66	96.00
cNorth							57.02	1158.70	88.00
							587.31	1158.15	88.00
							1024.40	1158.23	91.00
							1143.45	1158.84	88.00
cResidential							567.10	85.90	96.00
							495.90	145.59	98.00
							558.63	220.48	98.00
							662.18	347.03	98.00
							758.12	363.53	98.00
							853.05	284.10	98.00
							928.58	221.26	98.00
							987.85	289.78	97.00
							1048.49	368.35	96.00
							1056.22	395.39	96.00
							1069.17	479.30	94.00
							1112.93	527.54	96.00
							1146.01	548.56	96.00
							1200.80	613.34	96.00
							1251.11	680.54	94.00
							1392.64	783.00	92.00
cResidential							1020.42	142.97	97.00
							1018.36	195.35	97.00
							1133.45	297.34	99.00
							1211.32	391.76	96.00
							1282.31	399.34	94.00
							1305.74	548.20	92.00
							1454.22	725.33	91.00

Name	Sel.	M.	ID	OnlyPts	Height		Coordinates		
					Begin	End	x	y	z
					(ft)	(ft)	(ft)	(ft)	(ft)
cResidential							1877.28	433.22	94.00
							1876.19	68.92	95.00
cPad					90.00		882.33	293.09	90.00
							950.15	373.94	90.00
							964.10	374.88	90.00
							994.99	348.61	90.00
							995.85	332.97	90.00
							930.51	255.26	90.00
							914.99	253.96	90.00
							882.97	281.09	90.00
							882.31	293.06	90.00
cPad					90.00		949.50	374.34	90.00
							882.08	294.06	90.00
							868.95	293.18	90.00
							837.42	319.84	90.00
							836.43	332.72	90.00
							823.42	331.64	90.00
							791.45	358.81	90.00
							777.29	370.58	90.00
							757.32	384.19	90.00
							752.11	380.08	90.00
							736.53	378.23	90.00
							705.21	405.10	90.00
							703.97	418.40	90.00
							690.89	417.36	90.00
							658.61	444.17	90.00
							657.38	459.76	90.00
							721.59	539.29	90.00
							736.92	540.23	90.00
							827.46	462.55	90.00
							855.36	451.95	90.00
							871.70	452.84	90.00
							955.82	381.53	90.00
							949.50	374.34	90.00
cPad					90.00		955.65	386.36	90.00
							972.79	388.25	90.00
							1038.57	466.34	90.00
							1037.68	480.77	90.00
							998.17	514.10	90.00
							997.20	527.29	90.00
							964.24	555.12	90.00
							951.79	566.67	90.00
							918.49	594.50	90.00
							904.40	593.27	90.00
							891.11	577.21	90.00
							870.21	595.01	90.00

Name	Sel.	M.	ID	OnlyPts	Height		Coordinates		
					Begin (ft)	End (ft)	x (ft)	y (ft)	z (ft)
							879.82	606.25	90.00
							832.09	646.80	90.00
							822.55	635.65	90.00
							799.30	655.24	90.00
							718.59	560.96	90.00
							812.97	480.48	90.00
							837.07	508.81	90.00
							838.05	497.52	90.00
							921.52	427.94	90.00
							923.59	413.66	90.00
							955.65	386.36	90.00
cRoad							1291.72	75.47	99.00
							1435.00	239.53	94.00
							1526.88	176.09	96.00
							1739.07	441.88	98.00
cPad					96.00		1031.09	442.06	96.00
							986.25	389.70	96.00
							986.52	383.28	96.00
							1006.87	367.67	96.00
							1025.05	352.72	96.00
							1054.67	395.37	96.00
							1052.17	428.75	96.00
							1049.85	434.17	96.00
							1031.10	442.07	96.00

Eilar Associates, Inc.

210 South Juniper Street, Suite 100

Escondido, California 92025-4230

Phone: (760) 738-5570

Date: 15 Jan 2026

Calculation Configuration

Configuration	
Parameter	Value
General	
Max. Error (dB)	0.00
Max. Search Radius (ft)	6561.68
Min. Dist Src to Rcvr	0.00
Partition	
Raster Factor	0.50
Max. Length of Section (ft)	3280.84
Min. Length of Section (ft)	3.28
Min. Length of Section (%)	0.00
Proj. Line Sources	On
Proj. Area Sources	On
Ref. Time	
Daytime Penalty (dB)	0.00
Recr. Time Penalty (dB)	6.00
Night-time Penalty (dB)	10.00
DTM	
Standard Height (m)	0.00
Model of Terrain	Triangulation
Reflection	
max. Order of Reflection	3
Search Radius Src	328.08
Search Radius Rcvr	328.08
Max. Distance Source - Rcvr	3280.84 3280.84
Min. Distance Rcvr - Reflector	3.28 3.28
Min. Distance Source - Reflector	0.33
Industrial (ISO 9613 (1996))	
Lateral Diffraction	some Obj
Obst. within Area Src do not shield	On
Screening	Excl. Ground Att. over Barrier
	Dz with limit (20/25)
Barrier Coefficients C1,2,3	3.0 20.0 0.0
Temperature (°F)	50
rel. Humidity (%)	70
Ground Absorption G	0.30
Wind Speed for Dir. (mph)	6.7
Roads (TNM)	
Railways (Schall 03 (1990))	
Strictly acc. to Schall 03 / Schall-Transrapid	
Aircraft (NONE)	
Strictly acc. to AzB	

Receivers

Name	Sel.	M.	ID	Level Lr		Limit. Value		Land Use			Height		Coordinates		
				Day	Night	Day	Night	Type	Auto	Noise Type			X	Y	Z
				(dBA)	(dBA)	(dBA)	(dBA)				(ft)		(ft)	(ft)	(ft)
1-R1				48.2	48.2	55.0	0.0				5.00	r	757.77	361.40	102.97
2-R2				49.0	49.0	55.0	0.0				15.00	r	763.14	329.11	112.64
1-R3				44.5	44.5	55.0	0.0				5.00	r	1012.92	321.06	101.62
2-R4				46.2	46.2	55.0	0.0				15.00	r	1017.20	308.24	111.99
1-R5				44.1	44.1	55.0	0.0				5.00	r	1148.56	540.37	101.00
2-R6				45.0	45.0	55.0	0.0				15.00	r	1189.79	584.32	110.66
1-R7				44.4	44.4	55.0	0.0				5.00	r	966.87	1018.36	87.00
2-R8				44.0	44.0	55.0	0.0				15.00	r	946.46	1033.28	97.00
1-R9				45.3	45.3	55.0	0.0				5.00	r	595.94	924.76	92.23
2-R10				45.6	45.6	55.0	0.0				15.00	r	587.33	940.62	102.49

Tennis Sources

Name	Sel.	M.	ID	Operating Time			Height		Coordinates		
				Day	Special	Night			X	Y	Z
				(min)	(min)	(min)	(ft)		(ft)	(ft)	(ft)
Pickleball 1							5.00	r	791.84	620.34	95.00
Pickleball 2							5.00	r	824.49	612.62	95.00
Pickleball 3							5.00	r	847.54	593.10	95.00
Pickleball 4							5.00	r	860.69	562.23	95.00
Pickleball 5							5.00	r	822.06	516.15	95.00
Pickleball 6							5.00	r	787.57	545.22	95.00
Pickleball 7							5.00	r	753.00	574.46	95.00

Barriers

Name	Sel.	M.	ID	Absorption		Z-Ext.	Cantilever		Height		
				left	right		horz.	vert.	Begin	End	
						(ft)	(ft)	(ft)	(ft)	(ft)	
NE Barrier		+		0.84	0.84				13.00	r	
SE Barrier		+		0.00	0.00				13.00	r	
SW Barrier		+		0.84	0.84				13.00	r	
NW Barrier		+		0.84	0.84				13.00	r	

Geometry - Barriers

Name	Sel.	M.	ID	Absorption		Z-Ext.	Cantilever		Height		Coordinates			
				left	right		horz.	vert.	Begin	End	x	y	z	Ground
						(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)
NE Barrier		+		0.84	0.84				13.00	r	799.72	653.00	103.00	90.00
											822.48	633.59	103.00	90.00
											832.23	645.04	103.00	90.00
											878.16	606.31	103.00	90.00
											868.51	594.76	103.00	90.00
											891.51	575.34	103.00	90.00
SE Barrier		+		0.00	0.00				13.00	r	891.51	575.34	103.00	90.00
											814.04	483.43	103.00	90.00
SW Barrier		+		0.84	0.84				13.00	r	814.04	483.43	103.00	90.00
											722.12	560.75	103.00	90.00
NW Barrier		+		0.84	0.84				13.00	r	722.12	560.75	103.00	90.00
											799.72	653.00	103.00	90.00

Buildings

Name	Sel.	M.	ID	RB	Residents	Absorption	Height
							Begin
							(ft)
Building					0		105.00 a
Building					0		105.00 a

Geometry - Buildings

Name	Sel.	M.	ID	RB	Residents	Absorption	Height	Coordinates			
							Begin	x	y	z	Ground
							(ft)	(ft)	(ft)	(ft)	(ft)
Building					0		105.00 a	1040.95	467.21	105.00	90.33
								1056.52	453.88	105.00	94.80
								1051.20	447.91	105.00	94.56
								1056.96	442.92	105.00	95.44
								1045.78	429.35	105.00	96.00
								1024.54	447.57	105.00	90.83
Building					0		105.00 a	1004.43	364.86	105.00	95.00
								1009.12	370.23	105.00	96.00
								1013.82	366.05	105.00	96.00
								1018.73	371.75	105.00	96.00
								1014.01	375.77	105.00	96.00
								1018.24	380.93	105.00	96.00
								1035.81	365.34	105.00	96.00
								1022.41	349.82	105.00	95.71

Terrain Contours

Name	Sel.	M.	ID	OnlyPts	Height		Coordinates		
					Begin (ft)	End (ft)	x (ft)	y (ft)	z (ft)
cWater					82.00		59.02	686.77	82.00
							97.67	696.57	82.00
							166.17	709.56	82.00
							209.10	715.17	82.00
							313.01	680.44	82.00
							343.64	679.62	82.00
							442.35	691.65	82.00
							563.22	766.03	82.00
							579.75	782.56	82.00
							574.24	810.82	82.00
							608.01	858.36	82.00
							651.76	909.22	82.00
							646.98	924.20	82.00
							671.07	976.28	82.00
							711.27	1028.24	82.00
							755.30	1066.80	82.00
							793.28	1086.76	82.00
							847.75	1091.54	82.00
							923.55	1064.67	82.00
							997.28	1046.41	82.00
							1144.65	1052.92	82.00
							1219.84	1093.11	82.00
							1283.65	1158.23	82.00
							1876.60	1157.88	82.00
							1876.60	1105.86	82.00
							1824.92	1035.57	82.00
							1787.71	1014.90	82.00
							1704.68	989.75	82.00
							1664.71	991.13	82.00
							1576.16	1011.80	82.00
							1527.93	1004.56	82.00
							1458.68	970.11	82.00
							1417.87	919.76	82.00
							1361.44	825.13	82.00
							1291.12	770.43	82.00
							1197.36	700.11	82.00
							1173.92	674.93	82.00
							1137.45	600.27	82.00
							1094.91	602.87	82.00
							1064.98	590.35	82.00
							968.16	691.43	82.00
							992.47	732.23	82.00
							918.67	791.27	82.00
							885.25	765.08	82.00

Name	Sel.	M.	ID	OnlyPts	Height		Coordinates		
					Begin (ft)	End (ft)	x (ft)	y (ft)	z (ft)
							822.20	693.76	82.00
							759.70	659.04	82.00
							706.30	620.40	82.00
							658.12	568.31	82.00
							634.24	513.18	82.00
							623.83	441.99	82.00
							610.80	388.60	82.00
							601.25	355.17	82.00
							570.43	320.01	82.00
							518.78	289.63	82.00
							486.22	277.47	82.00
							441.77	246.12	82.00
							393.15	185.13	82.00
							342.80	70.96	82.00
							57.31	70.96	82.00
							59.02	686.77	82.00
cNorth Shore							74.53	724.53	87.00
							60.42	825.89	89.00
							91.46	857.37	89.00
							211.28	861.27	89.00
							229.94	939.85	89.00
							303.31	940.72	89.00
							412.70	959.38	92.00
							525.57	875.17	91.00
							557.26	813.52	84.00
							584.18	873.86	86.00
							604.58	920.31	87.00
							655.92	981.30	88.00
							758.47	1113.39	91.00
							825.20	1110.93	88.00
							1002.31	1056.14	91.00
							1136.31	1062.71	88.00
							1267.58	1158.15	92.00
cIsland							788.97	797.75	85.00
							715.13	745.24	87.00
							687.51	731.84	85.00
							691.07	709.42	85.00
							712.67	705.59	86.00
							748.50	709.69	88.00
							812.49	781.89	84.00
							788.97	797.75	85.00
cSouth Shore							1566.85	989.71	88.00
							1471.68	957.44	85.00
							1397.84	830.00	88.00
							1253.99	720.61	84.00
							1197.10	670.29	85.00

Name	Sel.	M.	ID	OnlyPts	Height		Coordinates		
					Begin (ft)	End (ft)	x (ft)	y (ft)	z (ft)
							1157.72	572.93	93.00
							1097.76	563.77	92.00
							1054.77	575.76	90.00
							957.53	685.60	83.00
							977.77	725.53	83.00
							919.79	770.38	83.00
							889.71	756.71	84.00
							822.98	675.76	87.00
							746.95	634.73	87.00
							715.78	604.65	87.00
							679.68	554.33	90.00
							641.94	453.69	88.00
							643.03	367.27	91.00
							621.58	318.19	95.00
							520.59	242.25	91.00
							460.64	166.45	96.00
							572.96	70.66	96.00
							709.41	237.43	96.00
							921.67	70.66	96.00
cNorth							57.02	1158.70	88.00
							587.31	1158.15	88.00
							1024.40	1158.23	91.00
							1143.45	1158.84	88.00
cResidential							567.10	85.90	96.00
							495.90	145.59	98.00
							558.63	220.48	98.00
							662.18	347.03	98.00
							758.12	363.53	98.00
							853.05	284.10	98.00
							928.58	221.26	98.00
							987.85	289.78	97.00
							1048.49	368.35	96.00
							1056.22	395.39	96.00
							1069.17	479.30	94.00
							1112.93	527.54	96.00
							1146.01	548.56	96.00
							1200.80	613.34	96.00
							1251.11	680.54	94.00
							1392.64	783.00	92.00
cResidential							1020.42	142.97	97.00
							1018.36	195.35	97.00
							1133.45	297.34	99.00
							1211.32	391.76	96.00
							1282.31	399.34	94.00
							1305.74	548.20	92.00
							1454.22	725.33	91.00

Name	Sel.	M.	ID	OnlyPts	Height		Coordinates		
					Begin	End	x	y	z
					(ft)	(ft)	(ft)	(ft)	(ft)
cResidential							1877.28	433.22	94.00
							1876.19	68.92	95.00
cPad					90.00		882.33	293.09	90.00
							950.15	373.94	90.00
							964.10	374.88	90.00
							994.99	348.61	90.00
							995.85	332.97	90.00
							930.51	255.26	90.00
							914.99	253.96	90.00
							882.97	281.09	90.00
							882.31	293.06	90.00
cPad					90.00		949.50	374.34	90.00
							882.08	294.06	90.00
							868.95	293.18	90.00
							837.42	319.84	90.00
							836.43	332.72	90.00
							823.42	331.64	90.00
							791.45	358.81	90.00
							777.29	370.58	90.00
							757.32	384.19	90.00
							752.11	380.08	90.00
							736.53	378.23	90.00
							705.21	405.10	90.00
							703.97	418.40	90.00
							690.89	417.36	90.00
							658.61	444.17	90.00
							657.38	459.76	90.00
							721.59	539.29	90.00
							736.92	540.23	90.00
							827.46	462.55	90.00
							855.36	451.95	90.00
							871.70	452.84	90.00
							955.82	381.53	90.00
							949.50	374.34	90.00
cPad					90.00		955.65	386.36	90.00
							972.79	388.25	90.00
							1038.57	466.34	90.00
							1037.68	480.77	90.00
							998.17	514.10	90.00
							997.20	527.29	90.00
							964.24	555.12	90.00
							951.79	566.67	90.00
							918.49	594.50	90.00
							904.40	593.27	90.00
							891.11	577.21	90.00
							870.21	595.01	90.00

Name	Sel.	M.	ID	OnlyPts	Height		Coordinates		
					Begin	End	x	y	z
					(ft)	(ft)	(ft)	(ft)	(ft)
							879.82	606.25	90.00
							832.09	646.80	90.00
							822.55	635.65	90.00
							799.30	655.24	90.00
							718.59	560.96	90.00
							812.97	480.48	90.00
							837.07	508.81	90.00
							838.05	497.52	90.00
							921.52	427.94	90.00
							923.59	413.66	90.00
							955.65	386.36	90.00
cRoad							1291.72	75.47	99.00
							1435.00	239.53	94.00
							1526.88	176.09	96.00
							1739.07	441.88	98.00
cPad					96.00		1031.09	442.06	96.00
							986.25	389.70	96.00
							986.52	383.28	96.00
							1006.87	367.67	96.00
							1025.05	352.72	96.00
							1054.67	395.37	96.00
							1052.17	428.75	96.00
							1049.85	434.17	96.00
							1031.10	442.07	96.00

Eilar Associates, Inc.

210 South Juniper Street, Suite 100

Escondido, California 92025-4230

Phone: (760) 738-5570

Date: 15 Jan 2026

Calculation Configuration

Configuration	
Parameter	Value
General	
Max. Error (dB)	0.00
Max. Search Radius (ft)	6561.68
Min. Dist Src to Rcvr	0.00
Partition	
Raster Factor	0.50
Max. Length of Section (ft)	3280.84
Min. Length of Section (ft)	3.28
Min. Length of Section (%)	0.00
Proj. Line Sources	On
Proj. Area Sources	On
Ref. Time	
Daytime Penalty (dB)	0.00
Recr. Time Penalty (dB)	6.00
Night-time Penalty (dB)	10.00
DTM	
Standard Height (m)	0.00
Model of Terrain	Triangulation
Reflection	
max. Order of Reflection	3
Search Radius Src	328.08
Search Radius Rcvr	328.08
Max. Distance Source - Rcvr	3280.84 3280.84
Min. Distance Rcvr - Reflector	3.28 3.28
Min. Distance Source - Reflector	0.33
Industrial (ISO 9613 (1996))	
Lateral Diffraction	some Obj
Obst. within Area Src do not shield	On
Screening	Excl. Ground Att. over Barrier
	Dz with limit (20/25)
Barrier Coefficients C1,2,3	3.0 20.0 0.0
Temperature (°F)	50
rel. Humidity (%)	70
Ground Absorption G	0.30
Wind Speed for Dir. (mph)	6.7
Roads (TNM)	
Railways (Schall 03 (1990))	
Strictly acc. to Schall 03 / Schall-Transrapid	
Aircraft (NONE)	
Strictly acc. to AzB	

Receivers

Name	Sel.	M.	ID	Level Lr		Limit. Value		Land Use			Height		Coordinates		
				Day	Night	Day	Night	Type	Auto	Noise Type			X	Y	Z
				(dBA)	(dBA)	(dBA)	(dBA)				(ft)		(ft)	(ft)	(ft)
1-R1				50.2	50.2	55.0	0.0				5.00	r	757.77	361.40	102.97
2-R2				51.2	51.2	55.0	0.0				15.00	r	763.14	329.11	112.64
1-R3				45.8	45.8	55.0	0.0				5.00	r	1012.92	321.06	101.62
2-R4				46.9	46.9	55.0	0.0				15.00	r	1017.20	308.24	111.99
1-R5				45.4	45.4	55.0	0.0				5.00	r	1148.56	540.37	101.00
2-R6				45.8	45.8	55.0	0.0				15.00	r	1189.79	584.32	110.66
1-R7				43.6	43.6	55.0	0.0				5.00	r	966.87	1018.36	87.00
2-R8				43.1	43.1	55.0	0.0				15.00	r	946.46	1033.28	97.00
1-R9				46.7	46.7	55.0	0.0				5.00	r	595.94	924.76	92.23
2-R10				46.5	46.5	55.0	0.0				15.00	r	587.33	940.62	102.49

Tennis Sources

Name	Sel.	M.	ID	Operating Time			Height		Coordinates		
				Day	Special	Night			X	Y	Z
				(min)	(min)	(min)	(ft)		(ft)	(ft)	(ft)
Pickleball 1							5.00	r	791.84	620.34	95.00
Pickleball 2							5.00	r	824.49	612.62	95.00
Pickleball 3							5.00	r	847.54	593.10	95.00
Pickleball 4							5.00	r	860.69	562.23	95.00
Pickleball 5							5.00	r	822.06	516.15	95.00
Pickleball 6							5.00	r	787.57	545.22	95.00
Pickleball 7							5.00	r	753.00	574.46	95.00

Barriers

Name	Sel.	M.	ID	Absorption		Z-Ext.	Cantilever		Height		
				left	right		horz.	vert.	Begin	End	
						(ft)	(ft)	(ft)	(ft)	(ft)	
NE Barrier		+		0.84	0.84				10.00	r	
SE Barrier		+		0.00	0.00				10.00	r	
SW Barrier		+		0.84	0.84				10.00	r	
NW Barrier		+		0.84	0.84				10.00	r	

Geometry - Barriers

Name	Sel.	M.	ID	Absorption		Z-Ext.	Cantilever		Height		Coordinates			
				left	right		horz.	vert.	Begin	End	x	y	z	Ground
						(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)
NE Barrier		+		0.84	0.84				10.00	r	799.72	653.00	100.00	90.00
											822.48	633.59	100.00	90.00
											832.23	645.04	100.00	90.00
											878.16	606.31	100.00	90.00
											868.51	594.76	100.00	90.00
											891.51	575.34	100.00	90.00
SE Barrier		+		0.00	0.00				10.00	r	891.51	575.34	100.00	90.00
											814.04	483.43	100.00	90.00
SW Barrier		+		0.84	0.84				10.00	r	814.04	483.43	100.00	90.00
											722.12	560.75	100.00	90.00
NW Barrier		+		0.84	0.84				10.00	r	722.12	560.75	100.00	90.00
											799.72	653.00	100.00	90.00

Buildings

Name	Sel.	M.	ID	RB	Residents	Absorption	Height
							Begin
							(ft)
Building					0		105.00 a
Building					0		105.00 a

Geometry - Buildings

Name	Sel.	M.	ID	RB	Residents	Absorption	Height	Coordinates			
							Begin	x	y	z	Ground
							(ft)	(ft)	(ft)	(ft)	(ft)
Building					0		105.00 a	1040.95	467.21	105.00	90.33
								1056.52	453.88	105.00	94.80
								1051.20	447.91	105.00	94.56
								1056.96	442.92	105.00	95.44
								1045.78	429.35	105.00	96.00
								1024.54	447.57	105.00	90.83
Building					0		105.00 a	1004.43	364.86	105.00	95.00
								1009.12	370.23	105.00	96.00
								1013.82	366.05	105.00	96.00
								1018.73	371.75	105.00	96.00
								1014.01	375.77	105.00	96.00
								1018.24	380.93	105.00	96.00
								1035.81	365.34	105.00	96.00
								1022.41	349.82	105.00	95.71

Terrain Contours

Name	Sel.	M.	ID	OnlyPts	Height		Coordinates		
					Begin (ft)	End (ft)	x (ft)	y (ft)	z (ft)
cWater					82.00		59.02	686.77	82.00
							97.67	696.57	82.00
							166.17	709.56	82.00
							209.10	715.17	82.00
							313.01	680.44	82.00
							343.64	679.62	82.00
							442.35	691.65	82.00
							563.22	766.03	82.00
							579.75	782.56	82.00
							574.24	810.82	82.00
							608.01	858.36	82.00
							651.76	909.22	82.00
							646.98	924.20	82.00
							671.07	976.28	82.00
							711.27	1028.24	82.00
							755.30	1066.80	82.00
							793.28	1086.76	82.00
							847.75	1091.54	82.00
							923.55	1064.67	82.00
							997.28	1046.41	82.00
							1144.65	1052.92	82.00
							1219.84	1093.11	82.00
							1283.65	1158.23	82.00
							1876.60	1157.88	82.00
							1876.60	1105.86	82.00
							1824.92	1035.57	82.00
							1787.71	1014.90	82.00
							1704.68	989.75	82.00
							1664.71	991.13	82.00
							1576.16	1011.80	82.00
							1527.93	1004.56	82.00
							1458.68	970.11	82.00
							1417.87	919.76	82.00
							1361.44	825.13	82.00
							1291.12	770.43	82.00
							1197.36	700.11	82.00
							1173.92	674.93	82.00
							1137.45	600.27	82.00
							1094.91	602.87	82.00
							1064.98	590.35	82.00
							968.16	691.43	82.00
							992.47	732.23	82.00
							918.67	791.27	82.00
							885.25	765.08	82.00

Name	Sel.	M.	ID	OnlyPts	Height		Coordinates		
					Begin (ft)	End (ft)	x (ft)	y (ft)	z (ft)
							822.20	693.76	82.00
							759.70	659.04	82.00
							706.30	620.40	82.00
							658.12	568.31	82.00
							634.24	513.18	82.00
							623.83	441.99	82.00
							610.80	388.60	82.00
							601.25	355.17	82.00
							570.43	320.01	82.00
							518.78	289.63	82.00
							486.22	277.47	82.00
							441.77	246.12	82.00
							393.15	185.13	82.00
							342.80	70.96	82.00
							57.31	70.96	82.00
							59.02	686.77	82.00
cNorth Shore							74.53	724.53	87.00
							60.42	825.89	89.00
							91.46	857.37	89.00
							211.28	861.27	89.00
							229.94	939.85	89.00
							303.31	940.72	89.00
							412.70	959.38	92.00
							525.57	875.17	91.00
							557.26	813.52	84.00
							584.18	873.86	86.00
							604.58	920.31	87.00
							655.92	981.30	88.00
							758.47	1113.39	91.00
							825.20	1110.93	88.00
							1002.31	1056.14	91.00
							1136.31	1062.71	88.00
							1267.58	1158.15	92.00
cIsland							788.97	797.75	85.00
							715.13	745.24	87.00
							687.51	731.84	85.00
							691.07	709.42	85.00
							712.67	705.59	86.00
							748.50	709.69	88.00
							812.49	781.89	84.00
							788.97	797.75	85.00
cSouth Shore							1566.85	989.71	88.00
							1471.68	957.44	85.00
							1397.84	830.00	88.00
							1253.99	720.61	84.00
							1197.10	670.29	85.00

Name	Sel.	M.	ID	OnlyPts	Height		Coordinates		
					Begin (ft)	End (ft)	x (ft)	y (ft)	z (ft)
							1157.72	572.93	93.00
							1097.76	563.77	92.00
							1054.77	575.76	90.00
							957.53	685.60	83.00
							977.77	725.53	83.00
							919.79	770.38	83.00
							889.71	756.71	84.00
							822.98	675.76	87.00
							746.95	634.73	87.00
							715.78	604.65	87.00
							679.68	554.33	90.00
							641.94	453.69	88.00
							643.03	367.27	91.00
							621.58	318.19	95.00
							520.59	242.25	91.00
							460.64	166.45	96.00
							572.96	70.66	96.00
							709.41	237.43	96.00
							921.67	70.66	96.00
cNorth							57.02	1158.70	88.00
							587.31	1158.15	88.00
							1024.40	1158.23	91.00
							1143.45	1158.84	88.00
cResidential							567.10	85.90	96.00
							495.90	145.59	98.00
							558.63	220.48	98.00
							662.18	347.03	98.00
							758.12	363.53	98.00
							853.05	284.10	98.00
							928.58	221.26	98.00
							987.85	289.78	97.00
							1048.49	368.35	96.00
							1056.22	395.39	96.00
							1069.17	479.30	94.00
							1112.93	527.54	96.00
							1146.01	548.56	96.00
							1200.80	613.34	96.00
							1251.11	680.54	94.00
							1392.64	783.00	92.00
cResidential							1020.42	142.97	97.00
							1018.36	195.35	97.00
							1133.45	297.34	99.00
							1211.32	391.76	96.00
							1282.31	399.34	94.00
							1305.74	548.20	92.00
							1454.22	725.33	91.00

Name	Sel.	M.	ID	OnlyPts	Height		Coordinates		
					Begin	End	x	y	z
					(ft)	(ft)	(ft)	(ft)	(ft)
cResidential							1877.28	433.22	94.00
							1876.19	68.92	95.00
cPad					90.00		882.33	293.09	90.00
							950.15	373.94	90.00
							964.10	374.88	90.00
							994.99	348.61	90.00
							995.85	332.97	90.00
							930.51	255.26	90.00
							914.99	253.96	90.00
							882.97	281.09	90.00
							882.31	293.06	90.00
cPad					90.00		949.50	374.34	90.00
							882.08	294.06	90.00
							868.95	293.18	90.00
							837.42	319.84	90.00
							836.43	332.72	90.00
							823.42	331.64	90.00
							791.45	358.81	90.00
							777.29	370.58	90.00
							757.32	384.19	90.00
							752.11	380.08	90.00
							736.53	378.23	90.00
							705.21	405.10	90.00
							703.97	418.40	90.00
							690.89	417.36	90.00
							658.61	444.17	90.00
							657.38	459.76	90.00
							721.59	539.29	90.00
							736.92	540.23	90.00
							827.46	462.55	90.00
							855.36	451.95	90.00
							871.70	452.84	90.00
							955.82	381.53	90.00
							949.50	374.34	90.00
cPad					90.00		955.65	386.36	90.00
							972.79	388.25	90.00
							1038.57	466.34	90.00
							1037.68	480.77	90.00
							998.17	514.10	90.00
							997.20	527.29	90.00
							964.24	555.12	90.00
							951.79	566.67	90.00
							918.49	594.50	90.00
							904.40	593.27	90.00
							891.11	577.21	90.00
							870.21	595.01	90.00

Name	Sel.	M.	ID	OnlyPts	Height		Coordinates		
					Begin	End	x	y	z
					(ft)	(ft)	(ft)	(ft)	(ft)
							879.82	606.25	90.00
							832.09	646.80	90.00
							822.55	635.65	90.00
							799.30	655.24	90.00
							718.59	560.96	90.00
							812.97	480.48	90.00
							837.07	508.81	90.00
							838.05	497.52	90.00
							921.52	427.94	90.00
							923.59	413.66	90.00
							955.65	386.36	90.00
cRoad							1291.72	75.47	99.00
							1435.00	239.53	94.00
							1526.88	176.09	96.00
							1739.07	441.88	98.00
cPad					96.00		1031.09	442.06	96.00
							986.25	389.70	96.00
							986.52	383.28	96.00
							1006.87	367.67	96.00
							1025.05	352.72	96.00
							1054.67	395.37	96.00
							1052.17	428.75	96.00
							1049.85	434.17	96.00
							1031.10	442.07	96.00

Eilar Associates, Inc.

210 South Juniper Street, Suite 100

Escondido, California 92025-4230

Phone: (760) 738-5570

Date: 15 Jan 2026

Calculation Configuration

Configuration	
Parameter	Value
General	
Max. Error (dB)	0.00
Max. Search Radius (ft)	6561.68
Min. Dist Src to Rcvr	0.00
Partition	
Raster Factor	0.50
Max. Length of Section (ft)	3280.84
Min. Length of Section (ft)	3.28
Min. Length of Section (%)	0.00
Proj. Line Sources	On
Proj. Area Sources	On
Ref. Time	
Daytime Penalty (dB)	0.00
Recr. Time Penalty (dB)	6.00
Night-time Penalty (dB)	10.00
DTM	
Standard Height (m)	0.00
Model of Terrain	Triangulation
Reflection	
max. Order of Reflection	3
Search Radius Src	328.08
Search Radius Rcvr	328.08
Max. Distance Source - Rcvr	3280.84 3280.84
Min. Distance Rcvr - Reflector	3.28 3.28
Min. Distance Source - Reflector	0.33
Industrial (ISO 9613 (1996))	
Lateral Diffraction	some Obj
Obst. within Area Src do not shield	On
Screening	Excl. Ground Att. over Barrier
	Dz with limit (20/25)
Barrier Coefficients C1,2,3	3.0 20.0 0.0
Temperature (°F)	50
rel. Humidity (%)	70
Ground Absorption G	0.30
Wind Speed for Dir. (mph)	6.7
Roads (TNM)	
Railways (Schall 03 (1990))	
Strictly acc. to Schall 03 / Schall-Transrapid	
Aircraft (NONE)	
Strictly acc. to AzB	

Receivers

Name	Sel.	M.	ID	Level Lr		Limit. Value		Land Use			Height		Coordinates		
				Day	Night	Day	Night	Type	Auto	Noise Type			X	Y	Z
				(dBA)	(dBA)	(dBA)	(dBA)				(ft)		(ft)	(ft)	(ft)
1-R1				48.7	48.7	55.0	0.0				5.00	r	757.77	361.40	102.97
2-R2				49.5	49.5	55.0	0.0				15.00	r	763.14	329.11	112.64
1-R3				45.0	45.0	55.0	0.0				5.00	r	1012.92	321.06	101.62
2-R4				46.4	46.4	55.0	0.0				15.00	r	1017.20	308.24	111.99
1-R5				44.5	44.5	55.0	0.0				5.00	r	1148.56	540.37	101.00
2-R6				45.2	45.2	55.0	0.0				15.00	r	1189.79	584.32	110.66
1-R7				43.3	43.3	55.0	0.0				5.00	r	966.87	1018.36	87.00
2-R8				42.9	42.9	55.0	0.0				15.00	r	946.46	1033.28	97.00
1-R9				43.9	43.9	55.0	0.0				5.00	r	595.94	924.76	92.23
2-R10				44.1	44.1	55.0	0.0				15.00	r	587.33	940.62	102.49

Tennis Sources

Name	Sel.	M.	ID	Operating Time			Height		Coordinates		
				Day	Special	Night			X	Y	Z
				(min)	(min)	(min)	(ft)		(ft)	(ft)	(ft)
Pickleball 1							5.00	r	791.84	620.34	95.00
Pickleball 2							5.00	r	824.49	612.62	95.00
Pickleball 3							5.00	r	847.54	593.10	95.00
Pickleball 4							5.00	r	860.69	562.23	95.00
Pickleball 5							5.00	r	822.06	516.15	95.00
Pickleball 6							5.00	r	787.57	545.22	95.00
Pickleball 7							5.00	r	753.00	574.46	95.00

Barriers

Name	Sel.	M.	ID	Absorption		Z-Ext.	Cantilever		Height		
				left	right		horz.	vert.	Begin	End	
						(ft)	(ft)	(ft)	(ft)	(ft)	
NE Barrier		+		0.84	0.84				12.00	r	
SE Barrier		+		0.84	0.84				12.00	r	
SW Barrier		+		0.84	0.84				12.00	r	
NW Barrier		+		0.84	0.84				12.00	r	

Geometry - Barriers

Name	Sel.	M.	ID	Absorption		Z-Ext.	Cantilever		Height		Coordinates			
				left	right		horz.	vert.	Begin	End	x	y	z	Ground
						(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)
NE Barrier		+		0.84	0.84				12.00	r	799.72	653.00	102.00	90.00
											822.48	633.59	102.00	90.00
											832.23	645.04	102.00	90.00
											878.16	606.31	102.00	90.00
											868.51	594.76	102.00	90.00
											891.51	575.34	102.00	90.00
SE Barrier		+		0.84	0.84				12.00	r	891.51	575.34	102.00	90.00
											814.04	483.43	102.00	90.00
SW Barrier		+		0.84	0.84				12.00	r	814.04	483.43	102.00	90.00
											722.12	560.75	102.00	90.00
NW Barrier		+		0.84	0.84				12.00	r	722.12	560.75	102.00	90.00
											799.72	653.00	102.00	90.00

Buildings

Name	Sel.	M.	ID	RB	Residents	Absorption	Height
							Begin
							(ft)
Building					0		105.00 a
Building					0		105.00 a

Geometry - Buildings

Name	Sel.	M.	ID	RB	Residents	Absorption	Height	Coordinates			
							Begin	x	y	z	Ground
							(ft)	(ft)	(ft)	(ft)	(ft)
Building					0		105.00 a	1040.95	467.21	105.00	90.33
								1056.52	453.88	105.00	94.80
								1051.20	447.91	105.00	94.56
								1056.96	442.92	105.00	95.44
								1045.78	429.35	105.00	96.00
								1024.54	447.57	105.00	90.83
Building					0		105.00 a	1004.43	364.86	105.00	95.00
								1009.12	370.23	105.00	96.00
								1013.82	366.05	105.00	96.00
								1018.73	371.75	105.00	96.00
								1014.01	375.77	105.00	96.00
								1018.24	380.93	105.00	96.00
								1035.81	365.34	105.00	96.00
								1022.41	349.82	105.00	95.71

Terrain Contours

Name	Sel.	M.	ID	OnlyPts	Height		Coordinates		
					Begin (ft)	End (ft)	x (ft)	y (ft)	z (ft)
cWater					82.00		59.02	686.77	82.00
							97.67	696.57	82.00
							166.17	709.56	82.00
							209.10	715.17	82.00
							313.01	680.44	82.00
							343.64	679.62	82.00
							442.35	691.65	82.00
							563.22	766.03	82.00
							579.75	782.56	82.00
							574.24	810.82	82.00
							608.01	858.36	82.00
							651.76	909.22	82.00
							646.98	924.20	82.00
							671.07	976.28	82.00
							711.27	1028.24	82.00
							755.30	1066.80	82.00
							793.28	1086.76	82.00
							847.75	1091.54	82.00
							923.55	1064.67	82.00
							997.28	1046.41	82.00
							1144.65	1052.92	82.00
							1219.84	1093.11	82.00
							1283.65	1158.23	82.00
							1876.60	1157.88	82.00
							1876.60	1105.86	82.00
							1824.92	1035.57	82.00
							1787.71	1014.90	82.00
							1704.68	989.75	82.00
							1664.71	991.13	82.00
							1576.16	1011.80	82.00
							1527.93	1004.56	82.00
							1458.68	970.11	82.00
							1417.87	919.76	82.00
							1361.44	825.13	82.00
							1291.12	770.43	82.00
							1197.36	700.11	82.00
							1173.92	674.93	82.00
							1137.45	600.27	82.00
							1094.91	602.87	82.00
							1064.98	590.35	82.00
							968.16	691.43	82.00
							992.47	732.23	82.00
							918.67	791.27	82.00
							885.25	765.08	82.00

Name	Sel.	M.	ID	OnlyPts	Height		Coordinates		
					Begin (ft)	End (ft)	x (ft)	y (ft)	z (ft)
							822.20	693.76	82.00
							759.70	659.04	82.00
							706.30	620.40	82.00
							658.12	568.31	82.00
							634.24	513.18	82.00
							623.83	441.99	82.00
							610.80	388.60	82.00
							601.25	355.17	82.00
							570.43	320.01	82.00
							518.78	289.63	82.00
							486.22	277.47	82.00
							441.77	246.12	82.00
							393.15	185.13	82.00
							342.80	70.96	82.00
							57.31	70.96	82.00
							59.02	686.77	82.00
cNorth Shore							74.53	724.53	87.00
							60.42	825.89	89.00
							91.46	857.37	89.00
							211.28	861.27	89.00
							229.94	939.85	89.00
							303.31	940.72	89.00
							412.70	959.38	92.00
							525.57	875.17	91.00
							557.26	813.52	84.00
							584.18	873.86	86.00
							604.58	920.31	87.00
							655.92	981.30	88.00
							758.47	1113.39	91.00
							825.20	1110.93	88.00
							1002.31	1056.14	91.00
							1136.31	1062.71	88.00
							1267.58	1158.15	92.00
cIsland							788.97	797.75	85.00
							715.13	745.24	87.00
							687.51	731.84	85.00
							691.07	709.42	85.00
							712.67	705.59	86.00
							748.50	709.69	88.00
							812.49	781.89	84.00
							788.97	797.75	85.00
cSouth Shore							1566.85	989.71	88.00
							1471.68	957.44	85.00
							1397.84	830.00	88.00
							1253.99	720.61	84.00
							1197.10	670.29	85.00

Name	Sel.	M.	ID	OnlyPts	Height		Coordinates		
					Begin (ft)	End (ft)	x (ft)	y (ft)	z (ft)
							1157.72	572.93	93.00
							1097.76	563.77	92.00
							1054.77	575.76	90.00
							957.53	685.60	83.00
							977.77	725.53	83.00
							919.79	770.38	83.00
							889.71	756.71	84.00
							822.98	675.76	87.00
							746.95	634.73	87.00
							715.78	604.65	87.00
							679.68	554.33	90.00
							641.94	453.69	88.00
							643.03	367.27	91.00
							621.58	318.19	95.00
							520.59	242.25	91.00
							460.64	166.45	96.00
							572.96	70.66	96.00
							709.41	237.43	96.00
							921.67	70.66	96.00
cNorth							57.02	1158.70	88.00
							587.31	1158.15	88.00
							1024.40	1158.23	91.00
							1143.45	1158.84	88.00
cResidential							567.10	85.90	96.00
							495.90	145.59	98.00
							558.63	220.48	98.00
							662.18	347.03	98.00
							758.12	363.53	98.00
							853.05	284.10	98.00
							928.58	221.26	98.00
							987.85	289.78	97.00
							1048.49	368.35	96.00
							1056.22	395.39	96.00
							1069.17	479.30	94.00
							1112.93	527.54	96.00
							1146.01	548.56	96.00
							1200.80	613.34	96.00
							1251.11	680.54	94.00
							1392.64	783.00	92.00
cResidential							1020.42	142.97	97.00
							1018.36	195.35	97.00
							1133.45	297.34	99.00
							1211.32	391.76	96.00
							1282.31	399.34	94.00
							1305.74	548.20	92.00
							1454.22	725.33	91.00

Name	Sel.	M.	ID	OnlyPts	Height		Coordinates		
					Begin	End	x	y	z
					(ft)	(ft)	(ft)	(ft)	(ft)
cResidential							1877.28	433.22	94.00
							1876.19	68.92	95.00
cPad					90.00		882.33	293.09	90.00
							950.15	373.94	90.00
							964.10	374.88	90.00
							994.99	348.61	90.00
							995.85	332.97	90.00
							930.51	255.26	90.00
							914.99	253.96	90.00
							882.97	281.09	90.00
							882.31	293.06	90.00
cPad					90.00		949.50	374.34	90.00
							882.08	294.06	90.00
							868.95	293.18	90.00
							837.42	319.84	90.00
							836.43	332.72	90.00
							823.42	331.64	90.00
							791.45	358.81	90.00
							777.29	370.58	90.00
							757.32	384.19	90.00
							752.11	380.08	90.00
							736.53	378.23	90.00
							705.21	405.10	90.00
							703.97	418.40	90.00
							690.89	417.36	90.00
							658.61	444.17	90.00
							657.38	459.76	90.00
							721.59	539.29	90.00
							736.92	540.23	90.00
							827.46	462.55	90.00
							855.36	451.95	90.00
							871.70	452.84	90.00
							955.82	381.53	90.00
							949.50	374.34	90.00
cPad					90.00		955.65	386.36	90.00
							972.79	388.25	90.00
							1038.57	466.34	90.00
							1037.68	480.77	90.00
							998.17	514.10	90.00
							997.20	527.29	90.00
							964.24	555.12	90.00
							951.79	566.67	90.00
							918.49	594.50	90.00
							904.40	593.27	90.00
							891.11	577.21	90.00
							870.21	595.01	90.00

Name	Sel.	M.	ID	OnlyPts	Height		Coordinates		
					Begin	End	x	y	z
					(ft)	(ft)	(ft)	(ft)	(ft)
							879.82	606.25	90.00
							832.09	646.80	90.00
							822.55	635.65	90.00
							799.30	655.24	90.00
							718.59	560.96	90.00
							812.97	480.48	90.00
							837.07	508.81	90.00
							838.05	497.52	90.00
							921.52	427.94	90.00
							923.59	413.66	90.00
							955.65	386.36	90.00
cRoad							1291.72	75.47	99.00
							1435.00	239.53	94.00
							1526.88	176.09	96.00
							1739.07	441.88	98.00
cPad					96.00		1031.09	442.06	96.00
							986.25	389.70	96.00
							986.52	383.28	96.00
							1006.87	367.67	96.00
							1025.05	352.72	96.00
							1054.67	395.37	96.00
							1052.17	428.75	96.00
							1049.85	434.17	96.00
							1031.10	442.07	96.00

Eilar Associates, Inc.

210 South Juniper Street, Suite 100

Escondido, California 92025-4230

Phone: (760) 738-5570

Date: 15 Jan 2026

Calculation Configuration

Configuration	
Parameter	Value
General	
Max. Error (dB)	0.00
Max. Search Radius (ft)	6561.68
Min. Dist Src to Rcvr	0.00
Partition	
Raster Factor	0.50
Max. Length of Section (ft)	3280.84
Min. Length of Section (ft)	3.28
Min. Length of Section (%)	0.00
Proj. Line Sources	On
Proj. Area Sources	On
Ref. Time	
Daytime Penalty (dB)	0.00
Recr. Time Penalty (dB)	6.00
Night-time Penalty (dB)	10.00
DTM	
Standard Height (m)	0.00
Model of Terrain	Triangulation
Reflection	
max. Order of Reflection	3
Search Radius Src	328.08
Search Radius Rcvr	328.08
Max. Distance Source - Rcvr	3280.84 3280.84
Min. Distance Rcvr - Reflector	3.28 3.28
Min. Distance Source - Reflector	0.33
Industrial (ISO 9613 (1996))	
Lateral Diffraction	some Obj
Obst. within Area Src do not shield	On
Screening	Excl. Ground Att. over Barrier
	Dz with limit (20/25)
Barrier Coefficients C1,2,3	3.0 20.0 0.0
Temperature (°F)	50
rel. Humidity (%)	70
Ground Absorption G	0.30
Wind Speed for Dir. (mph)	6.7
Roads (TNM)	
Railways (Schall 03 (1990))	
Strictly acc. to Schall 03 / Schall-Transrapid	
Aircraft (NONE)	
Strictly acc. to AzB	

Receivers

Name	Sel.	M.	ID	Level Lr		Limit. Value		Land Use			Height		Coordinates		
				Day	Night	Day	Night	Type	Auto	Noise Type			X	Y	Z
				(dBA)	(dBA)	(dBA)	(dBA)				(ft)		(ft)	(ft)	(ft)
1-R1				50.1	50.1	55.0	0.0				5.00	r	757.77	361.40	102.97
2-R2				50.9	50.9	55.0	0.0				15.00	r	763.14	329.11	112.64
1-R3				45.6	45.6	55.0	0.0				5.00	r	1012.92	321.06	101.62
2-R4				46.8	46.8	55.0	0.0				15.00	r	1017.20	308.24	111.99
1-R5				45.0	45.0	55.0	0.0				5.00	r	1148.56	540.37	101.00
2-R6				45.6	45.6	55.0	0.0				15.00	r	1189.79	584.32	110.66
1-R7				44.4	44.4	55.0	0.0				5.00	r	966.87	1018.36	87.00
2-R8				43.7	43.7	55.0	0.0				15.00	r	946.46	1033.28	97.00
1-R9				47.4	47.4	55.0	0.0				5.00	r	595.94	924.76	92.23
2-R10				46.9	46.9	55.0	0.0				15.00	r	587.33	940.62	102.49

Tennis Sources

Name	Sel.	M.	ID	Operating Time			Height		Coordinates		
				Day	Special	Night			X	Y	Z
				(min)	(min)	(min)	(ft)		(ft)	(ft)	(ft)
Pickleball 1							5.00	r	791.84	620.34	95.00
Pickleball 2							5.00	r	824.49	612.62	95.00
Pickleball 3							5.00	r	847.54	593.10	95.00
Pickleball 4							5.00	r	860.69	562.23	95.00
Pickleball 5							5.00	r	822.06	516.15	95.00
Pickleball 6							5.00	r	787.57	545.22	95.00
Pickleball 7							5.00	r	753.00	574.46	95.00

Barriers

Name	Sel.	M.	ID	Absorption		Z-Ext.	Cantilever		Height		
				left	right		horz.	vert.	Begin	End	
						(ft)	(ft)	(ft)	(ft)	(ft)	
NE Barrier-Glass		+		0.00	0.00				10.00	r	
NE Barrier-Blanket		+		0.84	0.84	3.00			13.00	r	
SE Barrier-Glass		+		0.00	0.00				10.00	r	
SE Barrier-Blanket		+		0.84	0.84	3.00			13.00	r	
SW Barrier-Glass		+		0.00	0.00				10.00	r	
SW Barrier-Blanket		+		0.84	0.84	3.00			13.00	r	
NW Barrier-Glass		+		0.00	0.00				7.00	r	
NW Barrier-Blanket		+		0.84	0.84	3.00			10.00	r	

Geometry - Barriers

Name	Sel.	M.	ID	Absorption		Z-Ext.	Cantilever		Height			Coordinates			
				left	right		horz.	vert.	Begin	End		x	y	z	Ground
						(ft)	(ft)	(ft)	(ft)	(ft)		(ft)	(ft)	(ft)	(ft)
NE Barrier-Glass		+		0.00	0.00				10.00	r		799.72	653.00	100.00	90.00
												822.48	633.59	100.00	90.00
												832.23	645.04	100.00	90.00
												878.16	606.31	100.00	90.00
												868.51	594.76	100.00	90.00
												891.51	575.34	100.00	90.00
NE Barrier-Blanket		+		0.84	0.84	3.00			13.00	r		799.72	653.00	103.00	90.00
												822.48	633.59	103.00	90.00
												832.23	645.04	103.00	90.00
												878.16	606.31	103.00	90.00
												868.51	594.76	103.00	90.00
												891.51	575.34	103.00	90.00
SE Barrier-Glass		+		0.00	0.00				10.00	r		891.51	575.34	100.00	90.00
												814.04	483.43	100.00	90.00
SE Barrier-Blanket		+		0.84	0.84	3.00			13.00	r		891.51	575.34	103.00	90.00
												814.04	483.43	103.00	90.00
SW Barrier-Glass		+		0.00	0.00				10.00	r		814.04	483.43	100.00	90.00
												722.12	560.75	100.00	90.00
SW Barrier-Blanket		+		0.84	0.84	3.00			13.00	r		814.04	483.43	103.00	90.00
												722.12	560.75	103.00	90.00
NW Barrier-Glass		+		0.00	0.00				7.00	r		722.12	560.75	97.00	90.00
												799.72	653.00	97.00	90.00
NW Barrier-Blanket		+		0.84	0.84	3.00			10.00	r		722.12	560.75	100.00	90.00
												799.72	653.00	100.00	90.00

Buildings

Name	Sel.	M.	ID	RB	Residents	Absorption	Height
							Begin
							(ft)
Building					0		105.00 a
Building					0		105.00 a

Geometry - Buildings

Name	Sel.	M.	ID	RB	Residents	Absorption	Height	Coordinates			
							Begin	x	y	z	Ground
							(ft)	(ft)	(ft)	(ft)	(ft)
Building					0		105.00 a	1040.95	467.21	105.00	90.33
								1056.52	453.88	105.00	94.80
								1051.20	447.91	105.00	94.56
								1056.96	442.92	105.00	95.44
								1045.78	429.35	105.00	96.00
								1024.54	447.57	105.00	90.83
Building					0		105.00 a	1004.43	364.86	105.00	95.00
								1009.12	370.23	105.00	96.00
								1013.82	366.05	105.00	96.00
								1018.73	371.75	105.00	96.00
								1014.01	375.77	105.00	96.00
								1018.24	380.93	105.00	96.00
								1035.81	365.34	105.00	96.00
								1022.41	349.82	105.00	95.71

Terrain Contours

Name	Sel.	M.	ID	OnlyPts	Height		Coordinates		
					Begin (ft)	End (ft)	x (ft)	y (ft)	z (ft)
cWater					82.00		59.02	686.77	82.00
							97.67	696.57	82.00
							166.17	709.56	82.00
							209.10	715.17	82.00
							313.01	680.44	82.00
							343.64	679.62	82.00
							442.35	691.65	82.00
							563.22	766.03	82.00
							579.75	782.56	82.00
							574.24	810.82	82.00
							608.01	858.36	82.00
							651.76	909.22	82.00
							646.98	924.20	82.00
							671.07	976.28	82.00
							711.27	1028.24	82.00
							755.30	1066.80	82.00
							793.28	1086.76	82.00
							847.75	1091.54	82.00
							923.55	1064.67	82.00
							997.28	1046.41	82.00
							1144.65	1052.92	82.00
							1219.84	1093.11	82.00
							1283.65	1158.23	82.00
							1876.60	1157.88	82.00
							1876.60	1105.86	82.00
							1824.92	1035.57	82.00
							1787.71	1014.90	82.00
							1704.68	989.75	82.00
							1664.71	991.13	82.00
							1576.16	1011.80	82.00
							1527.93	1004.56	82.00
							1458.68	970.11	82.00
							1417.87	919.76	82.00
							1361.44	825.13	82.00
							1291.12	770.43	82.00
							1197.36	700.11	82.00
							1173.92	674.93	82.00
							1137.45	600.27	82.00
							1094.91	602.87	82.00
							1064.98	590.35	82.00
							968.16	691.43	82.00
							992.47	732.23	82.00
							918.67	791.27	82.00
							885.25	765.08	82.00

Name	Sel.	M.	ID	OnlyPts	Height		Coordinates		
					Begin (ft)	End (ft)	x (ft)	y (ft)	z (ft)
							822.20	693.76	82.00
							759.70	659.04	82.00
							706.30	620.40	82.00
							658.12	568.31	82.00
							634.24	513.18	82.00
							623.83	441.99	82.00
							610.80	388.60	82.00
							601.25	355.17	82.00
							570.43	320.01	82.00
							518.78	289.63	82.00
							486.22	277.47	82.00
							441.77	246.12	82.00
							393.15	185.13	82.00
							342.80	70.96	82.00
							57.31	70.96	82.00
							59.02	686.77	82.00
cNorth Shore							74.53	724.53	87.00
							60.42	825.89	89.00
							91.46	857.37	89.00
							211.28	861.27	89.00
							229.94	939.85	89.00
							303.31	940.72	89.00
							412.70	959.38	92.00
							525.57	875.17	91.00
							557.26	813.52	84.00
							584.18	873.86	86.00
							604.58	920.31	87.00
							655.92	981.30	88.00
							758.47	1113.39	91.00
							825.20	1110.93	88.00
							1002.31	1056.14	91.00
							1136.31	1062.71	88.00
							1267.58	1158.15	92.00
cIsland							788.97	797.75	85.00
							715.13	745.24	87.00
							687.51	731.84	85.00
							691.07	709.42	85.00
							712.67	705.59	86.00
							748.50	709.69	88.00
							812.49	781.89	84.00
							788.97	797.75	85.00
cSouth Shore							1566.85	989.71	88.00
							1471.68	957.44	85.00
							1397.84	830.00	88.00
							1253.99	720.61	84.00
							1197.10	670.29	85.00

Name	Sel.	M.	ID	OnlyPts	Height		Coordinates		
					Begin (ft)	End (ft)	x (ft)	y (ft)	z (ft)
							1157.72	572.93	93.00
							1097.76	563.77	92.00
							1054.77	575.76	90.00
							957.53	685.60	83.00
							977.77	725.53	83.00
							919.79	770.38	83.00
							889.71	756.71	84.00
							822.98	675.76	87.00
							746.95	634.73	87.00
							715.78	604.65	87.00
							679.68	554.33	90.00
							641.94	453.69	88.00
							643.03	367.27	91.00
							621.58	318.19	95.00
							520.59	242.25	91.00
							460.64	166.45	96.00
							572.96	70.66	96.00
							709.41	237.43	96.00
							921.67	70.66	96.00
cNorth							57.02	1158.70	88.00
							587.31	1158.15	88.00
							1024.40	1158.23	91.00
							1143.45	1158.84	88.00
cResidential							567.10	85.90	96.00
							495.90	145.59	98.00
							558.63	220.48	98.00
							662.18	347.03	98.00
							758.12	363.53	98.00
							853.05	284.10	98.00
							928.58	221.26	98.00
							987.85	289.78	97.00
							1048.49	368.35	96.00
							1056.22	395.39	96.00
							1069.17	479.30	94.00
							1112.93	527.54	96.00
							1146.01	548.56	96.00
							1200.80	613.34	96.00
							1251.11	680.54	94.00
							1392.64	783.00	92.00
cResidential							1020.42	142.97	97.00
							1018.36	195.35	97.00
							1133.45	297.34	99.00
							1211.32	391.76	96.00
							1282.31	399.34	94.00
							1305.74	548.20	92.00
							1454.22	725.33	91.00

Name	Sel.	M.	ID	OnlyPts	Height		Coordinates		
					Begin	End	x	y	z
					(ft)	(ft)	(ft)	(ft)	(ft)
cResidential							1877.28	433.22	94.00
							1876.19	68.92	95.00
cPad					90.00		882.33	293.09	90.00
							950.15	373.94	90.00
							964.10	374.88	90.00
							994.99	348.61	90.00
							995.85	332.97	90.00
							930.51	255.26	90.00
							914.99	253.96	90.00
							882.97	281.09	90.00
							882.31	293.06	90.00
cPad					90.00		949.50	374.34	90.00
							882.08	294.06	90.00
							868.95	293.18	90.00
							837.42	319.84	90.00
							836.43	332.72	90.00
							823.42	331.64	90.00
							791.45	358.81	90.00
							777.29	370.58	90.00
							757.32	384.19	90.00
							752.11	380.08	90.00
							736.53	378.23	90.00
							705.21	405.10	90.00
							703.97	418.40	90.00
							690.89	417.36	90.00
							658.61	444.17	90.00
							657.38	459.76	90.00
							721.59	539.29	90.00
							736.92	540.23	90.00
							827.46	462.55	90.00
							855.36	451.95	90.00
							871.70	452.84	90.00
							955.82	381.53	90.00
							949.50	374.34	90.00
cPad					90.00		955.65	386.36	90.00
							972.79	388.25	90.00
							1038.57	466.34	90.00
							1037.68	480.77	90.00
							998.17	514.10	90.00
							997.20	527.29	90.00
							964.24	555.12	90.00
							951.79	566.67	90.00
							918.49	594.50	90.00
							904.40	593.27	90.00
							891.11	577.21	90.00
							870.21	595.01	90.00

Name	Sel.	M.	ID	OnlyPts	Height		Coordinates		
					Begin	End	x	y	z
					(ft)	(ft)	(ft)	(ft)	(ft)
							879.82	606.25	90.00
							832.09	646.80	90.00
							822.55	635.65	90.00
							799.30	655.24	90.00
							718.59	560.96	90.00
							812.97	480.48	90.00
							837.07	508.81	90.00
							838.05	497.52	90.00
							921.52	427.94	90.00
							923.59	413.66	90.00
							955.65	386.36	90.00
cRoad							1291.72	75.47	99.00
							1435.00	239.53	94.00
							1526.88	176.09	96.00
							1739.07	441.88	98.00
cPad					96.00		1031.09	442.06	96.00
							986.25	389.70	96.00
							986.52	383.28	96.00
							1006.87	367.67	96.00
							1025.05	352.72	96.00
							1054.67	395.37	96.00
							1052.17	428.75	96.00
							1049.85	434.17	96.00
							1031.10	442.07	96.00

Eilar Associates, Inc.

210 South Juniper Street, Suite 100

Escondido, California 92025-4230

Phone: (760) 738-5570

Date: 15 Jan 2026

Calculation Configuration

Configuration	
Parameter	Value
General	
Max. Error (dB)	0.00
Max. Search Radius (ft)	6561.68
Min. Dist Src to Rcvr	0.00
Partition	
Raster Factor	0.50
Max. Length of Section (ft)	3280.84
Min. Length of Section (ft)	3.28
Min. Length of Section (%)	0.00
Proj. Line Sources	On
Proj. Area Sources	On
Ref. Time	
Daytime Penalty (dB)	0.00
Recr. Time Penalty (dB)	6.00
Night-time Penalty (dB)	10.00
DTM	
Standard Height (m)	0.00
Model of Terrain	Triangulation
Reflection	
max. Order of Reflection	3
Search Radius Src	328.08
Search Radius Rcvr	328.08
Max. Distance Source - Rcvr	3280.84 3280.84
Min. Distance Rcvr - Reflector	3.28 3.28
Min. Distance Source - Reflector	0.33
Industrial (ISO 9613 (1996))	
Lateral Diffraction	some Obj
Obst. within Area Src do not shield	On
Screening	Excl. Ground Att. over Barrier
	Dz with limit (20/25)
Barrier Coefficients C1,2,3	3.0 20.0 0.0
Temperature (°F)	50
rel. Humidity (%)	70
Ground Absorption G	0.30
Wind Speed for Dir. (mph)	6.7
Roads (TNM)	
Railways (Schall 03 (1990))	
Strictly acc. to Schall 03 / Schall-Transrapid	
Aircraft (NONE)	
Strictly acc. to AzB	

Receivers

Name	Sel.	M.	ID	Level Lr		Limit. Value		Land Use			Height		Coordinates		
				Day	Night	Day	Night	Type	Auto	Noise Type			X	Y	Z
				(dBA)	(dBA)	(dBA)	(dBA)				(ft)		(ft)	(ft)	(ft)
1-R1				51.2	51.2	55.0	0.0				5.00	r	757.77	361.40	102.97
2-R2				51.7	51.7	55.0	0.0				15.00	r	763.14	329.11	112.64
1-R3				47.6	47.6	55.0	0.0				5.00	r	1012.92	321.06	101.62
2-R4				48.3	48.3	55.0	0.0				15.00	r	1017.20	308.24	111.99
1-R5				47.2	47.2	55.0	0.0				5.00	r	1148.56	540.37	101.00
2-R6				47.5	47.5	55.0	0.0				15.00	r	1189.79	584.32	110.66
1-R7				43.6	43.6	55.0	0.0				5.00	r	966.87	1018.36	87.00
2-R8				43.1	43.1	55.0	0.0				15.00	r	946.46	1033.28	97.00
1-R9				46.7	46.7	55.0	0.0				5.00	r	595.94	924.76	92.23
2-R10				46.5	46.5	55.0	0.0				15.00	r	587.33	940.62	102.49

Tennis Sources

Name	Sel.	M.	ID	Operating Time			Height		Coordinates		
				Day	Special	Night			X	Y	Z
				(min)	(min)	(min)	(ft)		(ft)	(ft)	(ft)
Pickleball 1							5.00	r	791.84	620.34	95.00
Pickleball 2							5.00	r	824.49	612.62	95.00
Pickleball 3							5.00	r	847.54	593.10	95.00
Pickleball 4							5.00	r	860.69	562.23	95.00
Pickleball 5							5.00	r	822.06	516.15	95.00
Pickleball 6							5.00	r	787.57	545.22	95.00
Pickleball 7							5.00	r	753.00	574.46	95.00

Barriers

Name	Sel.	M.	ID	Absorption		Z-Ext.	Cantilever		Height	
				left	right		horz.	vert.	Begin	End
						(ft)	(ft)	(ft)	(ft)	(ft)
NE Barrier-Glass		+		0.00	0.00				10.00	r
NE Barrier-Blanket		+		0.84	0.84	3.00			13.00	r
SE Barrier-Glass		+		0.00	0.00				10.00	r
SE Barrier-Blanket		+		0.84	0.84	3.00			13.00	r
SW Barrier-Glass		+		0.00	0.00				10.00	r
SW Barrier-Blanket		+		0.84	0.84	3.00			13.00	r
NW Barrier-Glass		+		0.00	0.00				10.00	r
NW Barrier-Blanket		+		0.84	0.84	3.00			13.00	r

Geometry - Barriers

Name	Sel.	M.	ID	Absorption		Z-Ext.	Cantilever		Height		Coordinates			
				left	right		horz.	vert.	Begin	End	x	y	z	Ground
						(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)
NE Barrier-Glass		+		0.00	0.00				10.00	r	799.72	653.00	100.00	90.00
											822.48	633.59	100.00	90.00
											832.23	645.04	100.00	90.00
											878.16	606.31	100.00	90.00
											868.51	594.76	100.00	90.00
											891.51	575.34	100.00	90.00
NE Barrier-Blanket		+		0.84	0.84	3.00			13.00	r	799.72	653.00	103.00	90.00
											822.48	633.59	103.00	90.00
											832.23	645.04	103.00	90.00
											878.16	606.31	103.00	90.00
											868.51	594.76	103.00	90.00
											891.51	575.34	103.00	90.00
SE Barrier-Glass		+		0.00	0.00				10.00	r	891.51	575.34	100.00	90.00
											814.04	483.43	100.00	90.00
SE Barrier-Blanket		+		0.84	0.84	3.00			13.00	r	891.51	575.34	103.00	90.00
											814.04	483.43	103.00	90.00
SW Barrier-Glass		+		0.00	0.00				10.00	r	814.04	483.43	100.00	90.00
											722.12	560.75	100.00	90.00
SW Barrier-Blanket		+		0.84	0.84	3.00			13.00	r	814.04	483.43	103.00	90.00
											722.12	560.75	103.00	90.00
NW Barrier-Glass		+		0.00	0.00				10.00	r	722.12	560.75	100.00	90.00
											799.72	653.00	100.00	90.00
NW Barrier-Blanket		+		0.84	0.84	3.00			13.00	r	722.12	560.75	103.00	90.00
											799.72	653.00	103.00	90.00

Buildings

Name	Sel.	M.	ID	RB	Residents	Absorption	Height
							Begin
							(ft)
Building					0		105.00 a
Building					0		105.00 a

Geometry - Buildings

Name	Sel.	M.	ID	RB	Residents	Absorption	Height	Coordinates			
							Begin	x	y	z	Ground
							(ft)	(ft)	(ft)	(ft)	(ft)
Building					0		105.00 a	1040.95	467.21	105.00	90.33
								1056.52	453.88	105.00	94.80
								1051.20	447.91	105.00	94.56
								1056.96	442.92	105.00	95.44
								1045.78	429.35	105.00	96.00
								1024.54	447.57	105.00	90.83
Building					0		105.00 a	1004.43	364.86	105.00	95.00
								1009.12	370.23	105.00	96.00
								1013.82	366.05	105.00	96.00
								1018.73	371.75	105.00	96.00
								1014.01	375.77	105.00	96.00
								1018.24	380.93	105.00	96.00
								1035.81	365.34	105.00	96.00
								1022.41	349.82	105.00	95.71

Terrain Contours

Name	Sel.	M.	ID	OnlyPts	Height		Coordinates		
					Begin (ft)	End (ft)	x (ft)	y (ft)	z (ft)
cWater					82.00		59.02	686.77	82.00
							97.67	696.57	82.00
							166.17	709.56	82.00
							209.10	715.17	82.00
							313.01	680.44	82.00
							343.64	679.62	82.00
							442.35	691.65	82.00
							563.22	766.03	82.00
							579.75	782.56	82.00
							574.24	810.82	82.00
							608.01	858.36	82.00
							651.76	909.22	82.00
							646.98	924.20	82.00
							671.07	976.28	82.00
							711.27	1028.24	82.00
							755.30	1066.80	82.00
							793.28	1086.76	82.00
							847.75	1091.54	82.00
							923.55	1064.67	82.00
							997.28	1046.41	82.00
							1144.65	1052.92	82.00
							1219.84	1093.11	82.00
							1283.65	1158.23	82.00
							1876.60	1157.88	82.00
							1876.60	1105.86	82.00
							1824.92	1035.57	82.00
							1787.71	1014.90	82.00
							1704.68	989.75	82.00
							1664.71	991.13	82.00
							1576.16	1011.80	82.00
							1527.93	1004.56	82.00
							1458.68	970.11	82.00
							1417.87	919.76	82.00
							1361.44	825.13	82.00
							1291.12	770.43	82.00
							1197.36	700.11	82.00
							1173.92	674.93	82.00
							1137.45	600.27	82.00
							1094.91	602.87	82.00
							1064.98	590.35	82.00
							968.16	691.43	82.00
							992.47	732.23	82.00
							918.67	791.27	82.00
							885.25	765.08	82.00

Name	Sel.	M.	ID	OnlyPts	Height		Coordinates		
					Begin (ft)	End (ft)	x (ft)	y (ft)	z (ft)
							822.20	693.76	82.00
							759.70	659.04	82.00
							706.30	620.40	82.00
							658.12	568.31	82.00
							634.24	513.18	82.00
							623.83	441.99	82.00
							610.80	388.60	82.00
							601.25	355.17	82.00
							570.43	320.01	82.00
							518.78	289.63	82.00
							486.22	277.47	82.00
							441.77	246.12	82.00
							393.15	185.13	82.00
							342.80	70.96	82.00
							57.31	70.96	82.00
							59.02	686.77	82.00
cNorth Shore							74.53	724.53	87.00
							60.42	825.89	89.00
							91.46	857.37	89.00
							211.28	861.27	89.00
							229.94	939.85	89.00
							303.31	940.72	89.00
							412.70	959.38	92.00
							525.57	875.17	91.00
							557.26	813.52	84.00
							584.18	873.86	86.00
							604.58	920.31	87.00
							655.92	981.30	88.00
							758.47	1113.39	91.00
							825.20	1110.93	88.00
							1002.31	1056.14	91.00
							1136.31	1062.71	88.00
							1267.58	1158.15	92.00
cIsland							788.97	797.75	85.00
							715.13	745.24	87.00
							687.51	731.84	85.00
							691.07	709.42	85.00
							712.67	705.59	86.00
							748.50	709.69	88.00
							812.49	781.89	84.00
							788.97	797.75	85.00
cSouth Shore							1566.85	989.71	88.00
							1471.68	957.44	85.00
							1397.84	830.00	88.00
							1253.99	720.61	84.00
							1197.10	670.29	85.00

Name	Sel.	M.	ID	OnlyPts	Height		Coordinates		
					Begin (ft)	End (ft)	x (ft)	y (ft)	z (ft)
							1157.72	572.93	93.00
							1097.76	563.77	92.00
							1054.77	575.76	90.00
							957.53	685.60	83.00
							977.77	725.53	83.00
							919.79	770.38	83.00
							889.71	756.71	84.00
							822.98	675.76	87.00
							746.95	634.73	87.00
							715.78	604.65	87.00
							679.68	554.33	90.00
							641.94	453.69	88.00
							643.03	367.27	91.00
							621.58	318.19	95.00
							520.59	242.25	91.00
							460.64	166.45	96.00
							572.96	70.66	96.00
							709.41	237.43	96.00
							921.67	70.66	96.00
cNorth							57.02	1158.70	88.00
							587.31	1158.15	88.00
							1024.40	1158.23	91.00
							1143.45	1158.84	88.00
cResidential							567.10	85.90	96.00
							495.90	145.59	98.00
							558.63	220.48	98.00
							662.18	347.03	98.00
							758.12	363.53	98.00
							853.05	284.10	98.00
							928.58	221.26	98.00
							987.85	289.78	97.00
							1048.49	368.35	96.00
							1056.22	395.39	96.00
							1069.17	479.30	94.00
							1112.93	527.54	96.00
							1146.01	548.56	96.00
							1200.80	613.34	96.00
							1251.11	680.54	94.00
							1392.64	783.00	92.00
cResidential							1020.42	142.97	97.00
							1018.36	195.35	97.00
							1133.45	297.34	99.00
							1211.32	391.76	96.00
							1282.31	399.34	94.00
							1305.74	548.20	92.00
							1454.22	725.33	91.00

Name	Sel.	M.	ID	OnlyPts	Height		Coordinates		
					Begin	End	x	y	z
					(ft)	(ft)	(ft)	(ft)	(ft)
cResidential							1877.28	433.22	94.00
							1876.19	68.92	95.00
cPad					90.00		882.33	293.09	90.00
							950.15	373.94	90.00
							964.10	374.88	90.00
							994.99	348.61	90.00
							995.85	332.97	90.00
							930.51	255.26	90.00
							914.99	253.96	90.00
							882.97	281.09	90.00
							882.31	293.06	90.00
cPad					90.00		949.50	374.34	90.00
							882.08	294.06	90.00
							868.95	293.18	90.00
							837.42	319.84	90.00
							836.43	332.72	90.00
							823.42	331.64	90.00
							791.45	358.81	90.00
							777.29	370.58	90.00
							757.32	384.19	90.00
							752.11	380.08	90.00
							736.53	378.23	90.00
							705.21	405.10	90.00
							703.97	418.40	90.00
							690.89	417.36	90.00
							658.61	444.17	90.00
							657.38	459.76	90.00
							721.59	539.29	90.00
							736.92	540.23	90.00
							827.46	462.55	90.00
							855.36	451.95	90.00
							871.70	452.84	90.00
							955.82	381.53	90.00
							949.50	374.34	90.00
cPad					90.00		955.65	386.36	90.00
							972.79	388.25	90.00
							1038.57	466.34	90.00
							1037.68	480.77	90.00
							998.17	514.10	90.00
							997.20	527.29	90.00
							964.24	555.12	90.00
							951.79	566.67	90.00
							918.49	594.50	90.00
							904.40	593.27	90.00
							891.11	577.21	90.00
							870.21	595.01	90.00

Name	Sel.	M.	ID	OnlyPts	Height		Coordinates		
					Begin	End	x	y	z
					(ft)	(ft)	(ft)	(ft)	(ft)
							879.82	606.25	90.00
							832.09	646.80	90.00
							822.55	635.65	90.00
							799.30	655.24	90.00
							718.59	560.96	90.00
							812.97	480.48	90.00
							837.07	508.81	90.00
							838.05	497.52	90.00
							921.52	427.94	90.00
							923.59	413.66	90.00
							955.65	386.36	90.00
cRoad							1291.72	75.47	99.00
							1435.00	239.53	94.00
							1526.88	176.09	96.00
							1739.07	441.88	98.00
cPad					96.00		1031.09	442.06	96.00
							986.25	389.70	96.00
							986.52	383.28	96.00
							1006.87	367.67	96.00
							1025.05	352.72	96.00
							1054.67	395.37	96.00
							1052.17	428.75	96.00
							1049.85	434.17	96.00
							1031.10	442.07	96.00

Eilar Associates, Inc.

210 South Juniper Street, Suite 100

Escondido, California 92025-4230

Phone: (760) 738-5570

Date: 23 Feb 2026

Calculation Configuration

Configuration	
Parameter	Value
General	
Max. Error (dB)	0.00
Max. Search Radius (ft)	6561.68
Min. Dist Src to Rcvr	0.00
Partition	
Raster Factor	0.50
Max. Length of Section (ft)	3280.84
Min. Length of Section (ft)	3.28
Min. Length of Section (%)	0.00
Proj. Line Sources	On
Proj. Area Sources	On
Ref. Time	
Daytime Penalty (dB)	0.00
Recr. Time Penalty (dB)	6.00
Night-time Penalty (dB)	10.00
DTM	
Standard Height (m)	0.00
Model of Terrain	Triangulation
Reflection	
max. Order of Reflection	3
Search Radius Src	328.08
Search Radius Rcvr	328.08
Max. Distance Source - Rcvr	3280.84 3280.84
Min. Distance Rcvr - Reflector	3.28 3.28
Min. Distance Source - Reflector	0.33
Industrial (ISO 9613 (1996))	
Lateral Diffraction	some Obj
Obst. within Area Src do not shield	On
Screening	Excl. Ground Att. over Barrier
	Dz with limit (20/25)
Barrier Coefficients C1,2,3	3.0 20.0 0.0
Temperature (°F)	50
rel. Humidity (%)	70
Ground Absorption G	0.30
Wind Speed for Dir. (mph)	6.7
Roads (TNM)	
Railways (Schall 03 (1990))	
Strictly acc. to Schall 03 / Schall-Transrapid	
Aircraft (NONE)	
Strictly acc. to AzB	

Receivers

Name	Sel.	M.	ID	Level Lr		Limit. Value		Land Use			Height		Coordinates		
				Day	Night	Day	Night	Type	Auto	Noise Type			X	Y	Z
				(dBA)	(dBA)	(dBA)	(dBA)				(ft)		(ft)	(ft)	(ft)
1-R1				48.6	48.6	50.0	0.0				5.00	r	757.77	361.40	102.97
2-R2				49.6	49.6	50.0	0.0				15.00	r	763.14	329.11	112.64
1-R3				45.9	45.9	50.0	0.0				5.00	r	1012.92	321.06	101.62
2-R4				47.5	47.5	50.0	0.0				15.00	r	1017.20	308.24	111.99
1-R5				46.0	46.0	50.0	0.0				5.00	r	1148.56	540.37	101.00
2-R6				46.8	46.8	50.0	0.0				15.00	r	1189.79	584.32	110.66
1-R7				49.0	49.0	50.0	0.0				5.00	r	966.87	1018.36	87.00
2-R8				45.4	45.4	50.0	0.0				15.00	r	946.46	1033.28	97.00
1-R9				47.8	47.8	50.0	0.0				5.00	r	595.94	924.76	92.23
2-R10				45.6	45.6	50.0	0.0				15.00	r	587.33	940.62	102.49

Tennis Sources

Name	Sel.	M.	ID	Operating Time			Height		Coordinates		
				Day	Special	Night			X	Y	Z
				(min)	(min)	(min)	(ft)		(ft)	(ft)	(ft)
Pickleball 1							5.00	r	791.84	620.34	95.00
Pickleball 2							5.00	r	824.49	612.62	95.00
Pickleball 3							5.00	r	847.54	593.10	95.00
Pickleball 4							5.00	r	860.69	562.23	95.00
Pickleball 5							5.00	r	822.06	516.15	95.00
Pickleball 6							5.00	r	787.57	545.22	95.00
Pickleball 7							5.00	r	753.00	574.46	95.00

Barriers

Name	Sel.	M.	ID	Absorption		Z-Ext.	Cantilever		Height		
				left	right		horz.	vert.	Begin	End	
						(ft)	(ft)	(ft)	(ft)	(ft)	
NE Barrier (Upper)		+		0.84	0.84	8.00			13.00	r	
NE Barrier (Lower)		+		0.00	0.00				5.00	r	
NW Barrier - North (Upper)		+		0.84	0.84	8.00			13.00	r	
NW Barrier - North (Lower)		+		0.00	0.00				5.00	r	
NW Barrier - South		+		0.00	0.00				13.00	r	
SE Barrier		+		0.00	0.00				13.00	r	
SW Barrier		+		0.00	0.00				13.00	r	

Geometry - Barriers

Name	Sel.	M.	ID	Absorption		Z-Ext.	Cantilever		Height			Coordinates			
				left	right		horz.	vert.	Begin	End		x	y	z	Ground
						(ft)	(ft)	(ft)	(ft)	(ft)		(ft)	(ft)	(ft)	(ft)
NE Barrier (Upper)		+		0.84	0.84	8.00			13.00	r		799.72	653.00	103.00	90.00
												822.48	633.59	103.00	90.00
												832.23	645.04	103.00	90.00
												878.16	606.31	103.00	90.00
												868.51	594.76	103.00	90.00
												891.51	575.34	103.00	90.00
NE Barrier (Lower)		+		0.00	0.00				5.00	r		799.72	653.00	95.00	90.00
												822.48	633.59	95.00	90.00
												832.23	645.04	95.00	90.00
												878.16	606.31	95.00	90.00
												868.51	594.76	95.00	90.00
												891.51	575.34	95.00	90.00
NW Barrier - North (Upper)		+		0.84	0.84	8.00			13.00	r		760.83	607.09	103.00	90.00
												799.72	653.00	103.00	90.00
NW Barrier - North (Lower)		+		0.00	0.00				5.00	r		760.83	607.09	95.00	90.00
												799.72	653.00	95.00	90.00
NW Barrier - South		+		0.00	0.00				13.00	r		760.83	607.09	103.00	90.00
												722.12	560.75	103.00	90.00
SE Barrier		+		0.00	0.00				13.00	r		891.51	575.34	103.00	90.00
												814.04	483.43	103.00	90.00
SW Barrier		+		0.00	0.00				13.00	r		814.04	483.43	103.00	90.00
												722.12	560.75	103.00	90.00

Buildings

Name	Sel.	M.	ID	RB	Residents	Absorption	Height
							Begin
							(ft)
Building					0		105.00 a
Building					0		105.00 a

Geometry - Buildings

Name	Sel.	M.	ID	RB	Residents	Absorption	Height	Coordinates			
							Begin	x	y	z	Ground
							(ft)	(ft)	(ft)	(ft)	(ft)
Building					0		105.00 a	1040.95	467.21	105.00	90.33
								1056.52	453.88	105.00	94.80
								1051.20	447.91	105.00	94.56
								1056.96	442.92	105.00	95.44
								1045.78	429.35	105.00	96.00
								1024.54	447.57	105.00	90.83
Building					0		105.00 a	1004.43	364.86	105.00	95.00
								1009.12	370.23	105.00	96.00
								1013.82	366.05	105.00	96.00
								1018.73	371.75	105.00	96.00
								1014.01	375.77	105.00	96.00
								1018.24	380.93	105.00	96.00
								1035.81	365.34	105.00	96.00
								1022.41	349.82	105.00	95.71

Terrain Contours

Name	Sel.	M.	ID	OnlyPts	Height		Coordinates		
					Begin (ft)	End (ft)	x (ft)	y (ft)	z (ft)
cWater					82.00		59.02	686.77	82.00
							97.67	696.57	82.00
							166.17	709.56	82.00
							209.10	715.17	82.00
							313.01	680.44	82.00
							343.64	679.62	82.00
							442.35	691.65	82.00
							563.22	766.03	82.00
							579.75	782.56	82.00
							574.24	810.82	82.00
							608.01	858.36	82.00
							651.76	909.22	82.00
							646.98	924.20	82.00
							671.07	976.28	82.00
							711.27	1028.24	82.00
							755.30	1066.80	82.00
							793.28	1086.76	82.00
							847.75	1091.54	82.00
							923.55	1064.67	82.00
							997.28	1046.41	82.00
							1144.65	1052.92	82.00
							1219.84	1093.11	82.00
							1283.65	1158.23	82.00
							1876.60	1157.88	82.00
							1876.60	1105.86	82.00
							1824.92	1035.57	82.00
							1787.71	1014.90	82.00
							1704.68	989.75	82.00
							1664.71	991.13	82.00
							1576.16	1011.80	82.00
							1527.93	1004.56	82.00
							1458.68	970.11	82.00
							1417.87	919.76	82.00
							1361.44	825.13	82.00
							1291.12	770.43	82.00
							1197.36	700.11	82.00
							1173.92	674.93	82.00
							1137.45	600.27	82.00
							1094.91	602.87	82.00
							1064.98	590.35	82.00
							968.16	691.43	82.00
							992.47	732.23	82.00
							918.67	791.27	82.00
							885.25	765.08	82.00

Name	Sel.	M.	ID	OnlyPts	Height		Coordinates		
					Begin (ft)	End (ft)	x (ft)	y (ft)	z (ft)
							822.20	693.76	82.00
							759.70	659.04	82.00
							706.30	620.40	82.00
							658.12	568.31	82.00
							634.24	513.18	82.00
							623.83	441.99	82.00
							610.80	388.60	82.00
							601.25	355.17	82.00
							570.43	320.01	82.00
							518.78	289.63	82.00
							486.22	277.47	82.00
							441.77	246.12	82.00
							393.15	185.13	82.00
							342.80	70.96	82.00
							57.31	70.96	82.00
							59.02	686.77	82.00
cNorth Shore							74.53	724.53	87.00
							60.42	825.89	89.00
							91.46	857.37	89.00
							211.28	861.27	89.00
							229.94	939.85	89.00
							303.31	940.72	89.00
							412.70	959.38	92.00
							525.57	875.17	91.00
							557.26	813.52	84.00
							584.18	873.86	86.00
							604.58	920.31	87.00
							655.92	981.30	88.00
							758.47	1113.39	91.00
							825.20	1110.93	88.00
							1002.31	1056.14	91.00
							1136.31	1062.71	88.00
							1267.58	1158.15	92.00
cIsland							788.97	797.75	85.00
							715.13	745.24	87.00
							687.51	731.84	85.00
							691.07	709.42	85.00
							712.67	705.59	86.00
							748.50	709.69	88.00
							812.49	781.89	84.00
							788.97	797.75	85.00
cSouth Shore							1566.85	989.71	88.00
							1471.68	957.44	85.00
							1397.84	830.00	88.00
							1253.99	720.61	84.00
							1197.10	670.29	85.00

Name	Sel.	M.	ID	OnlyPts	Height		Coordinates		
					Begin (ft)	End (ft)	x (ft)	y (ft)	z (ft)
							1157.72	572.93	93.00
							1097.76	563.77	92.00
							1054.77	575.76	90.00
							957.53	685.60	83.00
							977.77	725.53	83.00
							919.79	770.38	83.00
							889.71	756.71	84.00
							822.98	675.76	87.00
							746.95	634.73	87.00
							715.78	604.65	87.00
							679.68	554.33	90.00
							641.94	453.69	88.00
							643.03	367.27	91.00
							621.58	318.19	95.00
							520.59	242.25	91.00
							460.64	166.45	96.00
							572.96	70.66	96.00
							709.41	237.43	96.00
							921.67	70.66	96.00
cNorth							57.02	1158.70	88.00
							587.31	1158.15	88.00
							1024.40	1158.23	91.00
							1143.45	1158.84	88.00
cResidential							567.10	85.90	96.00
							495.90	145.59	98.00
							558.63	220.48	98.00
							662.18	347.03	98.00
							758.12	363.53	98.00
							853.05	284.10	98.00
							928.58	221.26	98.00
							987.85	289.78	97.00
							1048.49	368.35	96.00
							1056.22	395.39	96.00
							1069.17	479.30	94.00
							1112.93	527.54	96.00
							1146.01	548.56	96.00
							1200.80	613.34	96.00
							1251.11	680.54	94.00
							1392.64	783.00	92.00
cResidential							1020.42	142.97	97.00
							1018.36	195.35	97.00
							1133.45	297.34	99.00
							1211.32	391.76	96.00
							1282.31	399.34	94.00
							1305.74	548.20	92.00
							1454.22	725.33	91.00

Name	Sel.	M.	ID	OnlyPts	Height		Coordinates		
					Begin	End	x	y	z
					(ft)	(ft)	(ft)	(ft)	(ft)
cResidential							1877.28	433.22	94.00
							1876.19	68.92	95.00
cPad					90.00		882.33	293.09	90.00
							950.15	373.94	90.00
							964.10	374.88	90.00
							994.99	348.61	90.00
							995.85	332.97	90.00
							930.51	255.26	90.00
							914.99	253.96	90.00
							882.97	281.09	90.00
							882.31	293.06	90.00
cPad					90.00		949.50	374.34	90.00
							882.08	294.06	90.00
							868.95	293.18	90.00
							837.42	319.84	90.00
							836.43	332.72	90.00
							823.42	331.64	90.00
							791.45	358.81	90.00
							777.29	370.58	90.00
							757.32	384.19	90.00
							752.11	380.08	90.00
							736.53	378.23	90.00
							705.21	405.10	90.00
							703.97	418.40	90.00
							690.89	417.36	90.00
							658.61	444.17	90.00
							657.38	459.76	90.00
							721.59	539.29	90.00
							736.92	540.23	90.00
							827.46	462.55	90.00
							855.36	451.95	90.00
							871.70	452.84	90.00
							955.82	381.53	90.00
							949.50	374.34	90.00
cPad					90.00		955.65	386.36	90.00
							972.79	388.25	90.00
							1038.57	466.34	90.00
							1037.68	480.77	90.00
							998.17	514.10	90.00
							997.20	527.29	90.00
							964.24	555.12	90.00
							951.79	566.67	90.00
							918.49	594.50	90.00
							904.40	593.27	90.00
							891.11	577.21	90.00
							870.21	595.01	90.00

Name	Sel.	M.	ID	OnlyPts	Height		Coordinates		
					Begin	End	x	y	z
					(ft)	(ft)	(ft)	(ft)	(ft)
							879.82	606.25	90.00
							832.09	646.80	90.00
							822.55	635.65	90.00
							799.30	655.24	90.00
							718.59	560.96	90.00
							812.97	480.48	90.00
							837.07	508.81	90.00
							838.05	497.52	90.00
							921.52	427.94	90.00
							923.59	413.66	90.00
							955.65	386.36	90.00
cRoad							1291.72	75.47	99.00
							1435.00	239.53	94.00
							1526.88	176.09	96.00
							1739.07	441.88	98.00
cPad					96.00		1031.09	442.06	96.00
							986.25	389.70	96.00
							986.52	383.28	96.00
							1006.87	367.67	96.00
							1025.05	352.72	96.00
							1054.67	395.37	96.00
							1052.17	428.75	96.00
							1049.85	434.17	96.00
							1031.10	442.07	96.00

Eilar Associates, Inc.

210 South Juniper Street, Suite 100

Escondido, California 92025-4230

Phone: (760) 738-5570

Date: 23 Feb 2026

Calculation Configuration

Configuration	
Parameter	Value
General	
Max. Error (dB)	0.00
Max. Search Radius (ft)	6561.68
Min. Dist Src to Rcvr	0.00
Partition	
Raster Factor	0.50
Max. Length of Section (ft)	3280.84
Min. Length of Section (ft)	3.28
Min. Length of Section (%)	0.00
Proj. Line Sources	On
Proj. Area Sources	On
Ref. Time	
Daytime Penalty (dB)	0.00
Recr. Time Penalty (dB)	6.00
Night-time Penalty (dB)	10.00
DTM	
Standard Height (m)	0.00
Model of Terrain	Triangulation
Reflection	
max. Order of Reflection	3
Search Radius Src	328.08
Search Radius Rcvr	328.08
Max. Distance Source - Rcvr	3280.84 3280.84
Min. Distance Rcvr - Reflector	3.28 3.28
Min. Distance Source - Reflector	0.33
Industrial (ISO 9613 (1996))	
Lateral Diffraction	some Obj
Obst. within Area Src do not shield	On
Screening	Excl. Ground Att. over Barrier
	Dz with limit (20/25)
Barrier Coefficients C1,2,3	3.0 20.0 0.0
Temperature (°F)	50
rel. Humidity (%)	70
Ground Absorption G	0.30
Wind Speed for Dir. (mph)	6.7
Roads (TNM)	
Railways (Schall 03 (1990))	
Strictly acc. to Schall 03 / Schall-Transrapid	
Aircraft (NONE)	
Strictly acc. to AzB	

Receivers

Name	Sel.	M.	ID	Level Lr		Limit. Value		Land Use			Height		Coordinates		
				Day	Night	Day	Night	Type	Auto	Noise Type			X	Y	Z
				(dBA)	(dBA)	(dBA)	(dBA)				(ft)		(ft)	(ft)	(ft)
1-R1				47.7	47.7	50.0	0.0				5.00	r	757.77	361.40	102.97
2-R2				48.7	48.7	50.0	0.0				15.00	r	763.14	329.11	112.64
1-R3				44.0	44.0	50.0	0.0				5.00	r	1012.92	321.06	101.62
2-R4				45.7	45.7	50.0	0.0				15.00	r	1017.20	308.24	111.99
1-R5				46.1	46.1	50.0	0.0				5.00	r	1148.56	540.37	101.00
2-R6				46.9	46.9	50.0	0.0				15.00	r	1189.79	584.32	110.66
1-R7				48.6	48.6	50.0	0.0				5.00	r	966.87	1018.36	87.00
2-R8				47.0	47.0	50.0	0.0				15.00	r	946.46	1033.28	97.00
1-R9				47.4	47.4	50.0	0.0				5.00	r	595.94	924.76	92.23
2-R10				46.8	46.8	50.0	0.0				15.00	r	587.33	940.62	102.49

Tennis Sources

Name	Sel.	M.	ID	Operating Time			Height		Coordinates		
				Day	Special	Night			X	Y	Z
				(min)	(min)	(min)	(ft)		(ft)	(ft)	(ft)
Pickleball 1							5.00	r	791.84	620.34	95.00
Pickleball 2							5.00	r	824.49	612.62	95.00
Pickleball 3							5.00	r	847.54	593.10	95.00
Pickleball 4							5.00	r	860.69	562.23	95.00
Pickleball 5							5.00	r	822.06	516.15	95.00
Pickleball 6							5.00	r	787.57	545.22	95.00
Pickleball 7							5.00	r	753.00	574.46	95.00

Barriers

Name	Sel.	M.	ID	Absorption		Z-Ext.	Cantilever		Height	
				left	right		horz.	vert.	Begin	End
						(ft)	(ft)	(ft)	(ft)	(ft)
NE Barrier		+		0.00	0.00				8.00	r
SE Barrier		+		0.00	0.00				13.00	r
SW Barrier		+		0.00	0.00				13.00	r
NW Barrier - North		+		0.00	0.00				8.00	r
NW Barrier - South		+		0.00	0.00				8.00	r

Geometry - Barriers

Name	Sel.	M.	ID	Absorption		Z-Ext.	Cantilever		Height		Coordinates			
				left	right		horz.	vert.	Begin	End	x	y	z	Ground
						(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)
NE Barrier		+		0.00	0.00				8.00	r	799.72	653.00	98.00	90.00
											822.48	633.59	98.00	90.00
											832.23	645.04	98.00	90.00
											878.16	606.31	98.00	90.00
											868.51	594.76	98.00	90.00
											891.51	575.34	98.00	90.00
SE Barrier		+		0.00	0.00				13.00	r	891.51	575.34	103.00	90.00
											814.04	483.43	103.00	90.00
SW Barrier		+		0.00	0.00				13.00	r	814.04	483.43	103.00	90.00
											722.12	560.75	103.00	90.00
NW Barrier - North		+		0.00	0.00				8.00	r	760.83	607.09	98.00	90.00
											799.72	653.00	98.00	90.00
NW Barrier - South		+		0.00	0.00				8.00	r	760.83	607.09	98.00	90.00
											722.12	560.75	98.00	90.00

Buildings

Name	Sel.	M.	ID	RB	Residents	Absorption	Height
							Begin
							(ft)
Building					0		105.00 a
Building					0		105.00 a

Geometry - Buildings

Name	Sel.	M.	ID	RB	Residents	Absorption	Height	Coordinates			
							Begin	x	y	z	Ground
							(ft)	(ft)	(ft)	(ft)	(ft)
Building					0		105.00 a	1040.95	467.21	105.00	90.33
								1056.52	453.88	105.00	94.80
								1051.20	447.91	105.00	94.56
								1056.96	442.92	105.00	95.44
								1045.78	429.35	105.00	96.00
								1024.54	447.57	105.00	90.83
Building					0		105.00 a	1004.43	364.86	105.00	95.00
								1009.12	370.23	105.00	96.00
								1013.82	366.05	105.00	96.00
								1018.73	371.75	105.00	96.00
								1014.01	375.77	105.00	96.00
								1018.24	380.93	105.00	96.00
								1035.81	365.34	105.00	96.00
								1022.41	349.82	105.00	95.71

Terrain Contours

Name	Sel.	M.	ID	OnlyPts	Height		Coordinates		
					Begin (ft)	End (ft)	x (ft)	y (ft)	z (ft)
cWater					82.00		59.02	686.77	82.00
							97.67	696.57	82.00
							166.17	709.56	82.00
							209.10	715.17	82.00
							313.01	680.44	82.00
							343.64	679.62	82.00
							442.35	691.65	82.00
							563.22	766.03	82.00
							579.75	782.56	82.00
							574.24	810.82	82.00
							608.01	858.36	82.00
							651.76	909.22	82.00
							646.98	924.20	82.00
							671.07	976.28	82.00
							711.27	1028.24	82.00
							755.30	1066.80	82.00
							793.28	1086.76	82.00
							847.75	1091.54	82.00
							923.55	1064.67	82.00
							997.28	1046.41	82.00
							1144.65	1052.92	82.00
							1219.84	1093.11	82.00
							1283.65	1158.23	82.00
							1876.60	1157.88	82.00
							1876.60	1105.86	82.00
							1824.92	1035.57	82.00
							1787.71	1014.90	82.00
							1704.68	989.75	82.00
							1664.71	991.13	82.00
							1576.16	1011.80	82.00
							1527.93	1004.56	82.00
							1458.68	970.11	82.00
							1417.87	919.76	82.00
							1361.44	825.13	82.00
							1291.12	770.43	82.00
							1197.36	700.11	82.00
							1173.92	674.93	82.00
							1137.45	600.27	82.00
							1094.91	602.87	82.00
							1064.98	590.35	82.00
							968.16	691.43	82.00
							992.47	732.23	82.00
							918.67	791.27	82.00
							885.25	765.08	82.00

Name	Sel.	M.	ID	OnlyPts	Height		Coordinates		
					Begin (ft)	End (ft)	x (ft)	y (ft)	z (ft)
							822.20	693.76	82.00
							759.70	659.04	82.00
							706.30	620.40	82.00
							658.12	568.31	82.00
							634.24	513.18	82.00
							623.83	441.99	82.00
							610.80	388.60	82.00
							601.25	355.17	82.00
							570.43	320.01	82.00
							518.78	289.63	82.00
							486.22	277.47	82.00
							441.77	246.12	82.00
							393.15	185.13	82.00
							342.80	70.96	82.00
							57.31	70.96	82.00
							59.02	686.77	82.00
cNorth Shore							74.53	724.53	87.00
							60.42	825.89	89.00
							91.46	857.37	89.00
							211.28	861.27	89.00
							229.94	939.85	89.00
							303.31	940.72	89.00
							412.70	959.38	92.00
							525.57	875.17	91.00
							557.26	813.52	84.00
							584.18	873.86	86.00
							604.58	920.31	87.00
							655.92	981.30	88.00
							758.47	1113.39	91.00
							825.20	1110.93	88.00
							1002.31	1056.14	91.00
							1136.31	1062.71	88.00
							1267.58	1158.15	92.00
cIsland							788.97	797.75	85.00
							715.13	745.24	87.00
							687.51	731.84	85.00
							691.07	709.42	85.00
							712.67	705.59	86.00
							748.50	709.69	88.00
							812.49	781.89	84.00
							788.97	797.75	85.00
cSouth Shore							1566.85	989.71	88.00
							1471.68	957.44	85.00
							1397.84	830.00	88.00
							1253.99	720.61	84.00
							1197.10	670.29	85.00

Name	Sel.	M.	ID	OnlyPts	Height		Coordinates		
					Begin (ft)	End (ft)	x (ft)	y (ft)	z (ft)
							1157.72	572.93	93.00
							1097.76	563.77	92.00
							1054.77	575.76	90.00
							957.53	685.60	83.00
							977.77	725.53	83.00
							919.79	770.38	83.00
							889.71	756.71	84.00
							822.98	675.76	87.00
							746.95	634.73	87.00
							715.78	604.65	87.00
							679.68	554.33	90.00
							641.94	453.69	88.00
							643.03	367.27	91.00
							621.58	318.19	95.00
							520.59	242.25	91.00
							460.64	166.45	96.00
							572.96	70.66	96.00
							709.41	237.43	96.00
							921.67	70.66	96.00
cNorth							57.02	1158.70	88.00
							587.31	1158.15	88.00
							1024.40	1158.23	91.00
							1143.45	1158.84	88.00
cResidential							567.10	85.90	96.00
							495.90	145.59	98.00
							558.63	220.48	98.00
							662.18	347.03	98.00
							758.12	363.53	98.00
							853.05	284.10	98.00
							928.58	221.26	98.00
							987.85	289.78	97.00
							1048.49	368.35	96.00
							1056.22	395.39	96.00
							1069.17	479.30	94.00
							1112.93	527.54	96.00
							1146.01	548.56	96.00
							1200.80	613.34	96.00
							1251.11	680.54	94.00
							1392.64	783.00	92.00
cResidential							1020.42	142.97	97.00
							1018.36	195.35	97.00
							1133.45	297.34	99.00
							1211.32	391.76	96.00
							1282.31	399.34	94.00
							1305.74	548.20	92.00
							1454.22	725.33	91.00

Name	Sel.	M.	ID	OnlyPts	Height		Coordinates		
					Begin	End	x	y	z
					(ft)	(ft)	(ft)	(ft)	(ft)
cResidential							1877.28	433.22	94.00
							1876.19	68.92	95.00
cPad					90.00		882.33	293.09	90.00
							950.15	373.94	90.00
							964.10	374.88	90.00
							994.99	348.61	90.00
							995.85	332.97	90.00
							930.51	255.26	90.00
							914.99	253.96	90.00
							882.97	281.09	90.00
							882.31	293.06	90.00
cPad					90.00		949.50	374.34	90.00
							882.08	294.06	90.00
							868.95	293.18	90.00
							837.42	319.84	90.00
							836.43	332.72	90.00
							823.42	331.64	90.00
							791.45	358.81	90.00
							777.29	370.58	90.00
							757.32	384.19	90.00
							752.11	380.08	90.00
							736.53	378.23	90.00
							705.21	405.10	90.00
							703.97	418.40	90.00
							690.89	417.36	90.00
							658.61	444.17	90.00
							657.38	459.76	90.00
							721.59	539.29	90.00
							736.92	540.23	90.00
							827.46	462.55	90.00
							855.36	451.95	90.00
							871.70	452.84	90.00
							955.82	381.53	90.00
							949.50	374.34	90.00
cPad					90.00		955.65	386.36	90.00
							972.79	388.25	90.00
							1038.57	466.34	90.00
							1037.68	480.77	90.00
							998.17	514.10	90.00
							997.20	527.29	90.00
							964.24	555.12	90.00
							951.79	566.67	90.00
							918.49	594.50	90.00
							904.40	593.27	90.00
							891.11	577.21	90.00
							870.21	595.01	90.00

Name	Sel.	M.	ID	OnlyPts	Height		Coordinates		
					Begin	End	x	y	z
					(ft)	(ft)	(ft)	(ft)	(ft)
							879.82	606.25	90.00
							832.09	646.80	90.00
							822.55	635.65	90.00
							799.30	655.24	90.00
							718.59	560.96	90.00
							812.97	480.48	90.00
							837.07	508.81	90.00
							838.05	497.52	90.00
							921.52	427.94	90.00
							923.59	413.66	90.00
							955.65	386.36	90.00
cRoad							1291.72	75.47	99.00
							1435.00	239.53	94.00
							1526.88	176.09	96.00
							1739.07	441.88	98.00
cPad					96.00		1031.09	442.06	96.00
							986.25	389.70	96.00
							986.52	383.28	96.00
							1006.87	367.67	96.00
							1025.05	352.72	96.00
							1054.67	395.37	96.00
							1052.17	428.75	96.00
							1049.85	434.17	96.00
							1031.10	442.07	96.00

Eilar Associates, Inc.

210 South Juniper Street, Suite 100

Escondido, California 92025-4230

Phone: (760) 738-5570

Date: 23 Feb 2026

Calculation Configuration

Configuration	
Parameter	Value
General	
Max. Error (dB)	0.00
Max. Search Radius (ft)	6561.68
Min. Dist Src to Rcvr	0.00
Partition	
Raster Factor	0.50
Max. Length of Section (ft)	3280.84
Min. Length of Section (ft)	3.28
Min. Length of Section (%)	0.00
Proj. Line Sources	On
Proj. Area Sources	On
Ref. Time	
Daytime Penalty (dB)	0.00
Recr. Time Penalty (dB)	6.00
Night-time Penalty (dB)	10.00
DTM	
Standard Height (m)	0.00
Model of Terrain	Triangulation
Reflection	
max. Order of Reflection	3
Search Radius Src	328.08
Search Radius Rcvr	328.08
Max. Distance Source - Rcvr	3280.84 3280.84
Min. Distance Rcvr - Reflector	3.28 3.28
Min. Distance Source - Reflector	0.33
Industrial (ISO 9613 (1996))	
Lateral Diffraction	some Obj
Obst. within Area Src do not shield	On
Screening	Excl. Ground Att. over Barrier
	Dz with limit (20/25)
Barrier Coefficients C1,2,3	3.0 20.0 0.0
Temperature (°F)	50
rel. Humidity (%)	70
Ground Absorption G	0.30
Wind Speed for Dir. (mph)	6.7
Roads (TNM)	
Railways (Schall 03 (1990))	
Strictly acc. to Schall 03 / Schall-Transrapid	
Aircraft (NONE)	
Strictly acc. to AzB	

Receivers

Name	Sel.	M.	ID	Level Lr		Limit. Value		Land Use			Height		Coordinates		
				Day	Night	Day	Night	Type	Auto	Noise Type			X	Y	Z
				(dBA)	(dBA)	(dBA)	(dBA)				(ft)		(ft)	(ft)	(ft)
1-R1				48.4	48.4	50.0	0.0				5.00	r	757.77	361.40	102.97
2-R2				49.5	49.5	50.0	0.0				15.00	r	763.14	329.11	112.64
1-R3				45.9	45.9	50.0	0.0				5.00	r	1012.92	321.06	101.62
2-R4				47.5	47.5	50.0	0.0				15.00	r	1017.20	308.24	111.99
1-R5				46.2	46.2	50.0	0.0				5.00	r	1148.56	540.37	101.00
2-R6				47.0	47.0	50.0	0.0				15.00	r	1189.79	584.32	110.66
1-R7				49.0	49.0	50.0	0.0				5.00	r	966.87	1018.36	87.00
2-R8				46.5	46.5	50.0	0.0				15.00	r	946.46	1033.28	97.00
1-R9				47.8	47.8	50.0	0.0				5.00	r	595.94	924.76	92.23
2-R10				46.5	46.5	50.0	0.0				15.00	r	587.33	940.62	102.49

Tennis Sources

Name	Sel.	M.	ID	Operating Time			Height		Coordinates		
				Day	Special	Night			X	Y	Z
				(min)	(min)	(min)	(ft)		(ft)	(ft)	(ft)
Pickleball 1							5.00	r	791.84	620.34	95.00
Pickleball 2							5.00	r	824.49	612.62	95.00
Pickleball 3							5.00	r	847.54	593.10	95.00
Pickleball 4							5.00	r	860.69	562.23	95.00
Pickleball 5							5.00	r	822.06	516.15	95.00
Pickleball 6							5.00	r	787.57	545.22	95.00
Pickleball 7							5.00	r	753.00	574.46	95.00

Barriers

Name	Sel.	M.	ID	Absorption		Z-Ext.	Cantilever		Height		
				left	right		horz.	vert.	Begin	End	
						(ft)	(ft)	(ft)	(ft)	(ft)	
NE Barrier (Upper)		+		0.84	0.84	5.00			10.00	r	
NE Barrier (Lower)		+		0.00	0.00				5.00	r	
NW Barrier - North (Upper)		+		0.84	0.84	5.00			10.00	r	
NW Barrier - North (Lower)		+		0.00	0.00				5.00	r	
NW Barrier - South		+		0.00	0.00				10.00	r	
SE Barrier		+		0.00	0.00				13.00	r	
SW Barrier		+		0.00	0.00				13.00	r	

Geometry - Barriers

Name	Sel.	M.	ID	Absorption		Z-Ext.	Cantilever		Height			Coordinates			
				left	right		horz.	vert.	Begin	End		x	y	z	Ground
						(ft)	(ft)	(ft)	(ft)	(ft)		(ft)	(ft)	(ft)	(ft)
NE Barrier (Upper)		+		0.84	0.84	5.00			10.00	r		799.72	653.00	100.00	90.00
												822.48	633.59	100.00	90.00
												832.23	645.04	100.00	90.00
												878.16	606.31	100.00	90.00
												868.51	594.76	100.00	90.00
												891.51	575.34	100.00	90.00
NE Barrier (Lower)		+		0.00	0.00				5.00	r		799.72	653.00	95.00	90.00
												822.48	633.59	95.00	90.00
												832.23	645.04	95.00	90.00
												878.16	606.31	95.00	90.00
												868.51	594.76	95.00	90.00
												891.51	575.34	95.00	90.00
NW Barrier - North (Upper)		+		0.84	0.84	5.00			10.00	r		760.83	607.09	100.00	90.00
												799.72	653.00	100.00	90.00
NW Barrier - North (Lower)		+		0.00	0.00				5.00	r		760.83	607.09	95.00	90.00
												799.72	653.00	95.00	90.00
NW Barrier - South		+		0.00	0.00				10.00	r		760.83	607.09	100.00	90.00
												722.12	560.75	100.00	90.00
SE Barrier		+		0.00	0.00				13.00	r		891.51	575.34	103.00	90.00
												814.04	483.43	103.00	90.00
SW Barrier		+		0.00	0.00				13.00	r		814.04	483.43	103.00	90.00
												722.12	560.75	103.00	90.00

Buildings

Name	Sel.	M.	ID	RB	Residents	Absorption	Height
							Begin
							(ft)
Building					0		105.00 a
Building					0		105.00 a

Geometry - Buildings

Name	Sel.	M.	ID	RB	Residents	Absorption	Height	Coordinates			
							Begin	x	y	z	Ground
							(ft)	(ft)	(ft)	(ft)	(ft)
Building					0		105.00 a	1040.95	467.21	105.00	90.33
								1056.52	453.88	105.00	94.80
								1051.20	447.91	105.00	94.56
								1056.96	442.92	105.00	95.44
								1045.78	429.35	105.00	96.00
								1024.54	447.57	105.00	90.83
Building					0		105.00 a	1004.43	364.86	105.00	95.00
								1009.12	370.23	105.00	96.00
								1013.82	366.05	105.00	96.00
								1018.73	371.75	105.00	96.00
								1014.01	375.77	105.00	96.00
								1018.24	380.93	105.00	96.00
								1035.81	365.34	105.00	96.00
								1022.41	349.82	105.00	95.71

Terrain Contours

Name	Sel.	M.	ID	OnlyPts	Height		Coordinates		
					Begin (ft)	End (ft)	x (ft)	y (ft)	z (ft)
cWater					82.00		59.02	686.77	82.00
							97.67	696.57	82.00
							166.17	709.56	82.00
							209.10	715.17	82.00
							313.01	680.44	82.00
							343.64	679.62	82.00
							442.35	691.65	82.00
							563.22	766.03	82.00
							579.75	782.56	82.00
							574.24	810.82	82.00
							608.01	858.36	82.00
							651.76	909.22	82.00
							646.98	924.20	82.00
							671.07	976.28	82.00
							711.27	1028.24	82.00
							755.30	1066.80	82.00
							793.28	1086.76	82.00
							847.75	1091.54	82.00
							923.55	1064.67	82.00
							997.28	1046.41	82.00
							1144.65	1052.92	82.00
							1219.84	1093.11	82.00
							1283.65	1158.23	82.00
							1876.60	1157.88	82.00
							1876.60	1105.86	82.00
							1824.92	1035.57	82.00
							1787.71	1014.90	82.00
							1704.68	989.75	82.00
							1664.71	991.13	82.00
							1576.16	1011.80	82.00
							1527.93	1004.56	82.00
							1458.68	970.11	82.00
							1417.87	919.76	82.00
							1361.44	825.13	82.00
							1291.12	770.43	82.00
							1197.36	700.11	82.00
							1173.92	674.93	82.00
							1137.45	600.27	82.00
							1094.91	602.87	82.00
							1064.98	590.35	82.00
							968.16	691.43	82.00
							992.47	732.23	82.00
							918.67	791.27	82.00
							885.25	765.08	82.00

Name	Sel.	M.	ID	OnlyPts	Height		Coordinates		
					Begin (ft)	End (ft)	x (ft)	y (ft)	z (ft)
							822.20	693.76	82.00
							759.70	659.04	82.00
							706.30	620.40	82.00
							658.12	568.31	82.00
							634.24	513.18	82.00
							623.83	441.99	82.00
							610.80	388.60	82.00
							601.25	355.17	82.00
							570.43	320.01	82.00
							518.78	289.63	82.00
							486.22	277.47	82.00
							441.77	246.12	82.00
							393.15	185.13	82.00
							342.80	70.96	82.00
							57.31	70.96	82.00
							59.02	686.77	82.00
cNorth Shore							74.53	724.53	87.00
							60.42	825.89	89.00
							91.46	857.37	89.00
							211.28	861.27	89.00
							229.94	939.85	89.00
							303.31	940.72	89.00
							412.70	959.38	92.00
							525.57	875.17	91.00
							557.26	813.52	84.00
							584.18	873.86	86.00
							604.58	920.31	87.00
							655.92	981.30	88.00
							758.47	1113.39	91.00
							825.20	1110.93	88.00
							1002.31	1056.14	91.00
							1136.31	1062.71	88.00
							1267.58	1158.15	92.00
cIsland							788.97	797.75	85.00
							715.13	745.24	87.00
							687.51	731.84	85.00
							691.07	709.42	85.00
							712.67	705.59	86.00
							748.50	709.69	88.00
							812.49	781.89	84.00
							788.97	797.75	85.00
cSouth Shore							1566.85	989.71	88.00
							1471.68	957.44	85.00
							1397.84	830.00	88.00
							1253.99	720.61	84.00
							1197.10	670.29	85.00

Name	Sel.	M.	ID	OnlyPts	Height		Coordinates		
					Begin (ft)	End (ft)	x (ft)	y (ft)	z (ft)
							1157.72	572.93	93.00
							1097.76	563.77	92.00
							1054.77	575.76	90.00
							957.53	685.60	83.00
							977.77	725.53	83.00
							919.79	770.38	83.00
							889.71	756.71	84.00
							822.98	675.76	87.00
							746.95	634.73	87.00
							715.78	604.65	87.00
							679.68	554.33	90.00
							641.94	453.69	88.00
							643.03	367.27	91.00
							621.58	318.19	95.00
							520.59	242.25	91.00
							460.64	166.45	96.00
							572.96	70.66	96.00
							709.41	237.43	96.00
							921.67	70.66	96.00
cNorth							57.02	1158.70	88.00
							587.31	1158.15	88.00
							1024.40	1158.23	91.00
							1143.45	1158.84	88.00
cResidential							567.10	85.90	96.00
							495.90	145.59	98.00
							558.63	220.48	98.00
							662.18	347.03	98.00
							758.12	363.53	98.00
							853.05	284.10	98.00
							928.58	221.26	98.00
							987.85	289.78	97.00
							1048.49	368.35	96.00
							1056.22	395.39	96.00
							1069.17	479.30	94.00
							1112.93	527.54	96.00
							1146.01	548.56	96.00
							1200.80	613.34	96.00
							1251.11	680.54	94.00
							1392.64	783.00	92.00
cResidential							1020.42	142.97	97.00
							1018.36	195.35	97.00
							1133.45	297.34	99.00
							1211.32	391.76	96.00
							1282.31	399.34	94.00
							1305.74	548.20	92.00
							1454.22	725.33	91.00

Name	Sel.	M.	ID	OnlyPts	Height		Coordinates		
					Begin	End	x	y	z
					(ft)	(ft)	(ft)	(ft)	(ft)
cResidential							1877.28	433.22	94.00
							1876.19	68.92	95.00
cPad					90.00		882.33	293.09	90.00
							950.15	373.94	90.00
							964.10	374.88	90.00
							994.99	348.61	90.00
							995.85	332.97	90.00
							930.51	255.26	90.00
							914.99	253.96	90.00
							882.97	281.09	90.00
							882.31	293.06	90.00
cPad					90.00		949.50	374.34	90.00
							882.08	294.06	90.00
							868.95	293.18	90.00
							837.42	319.84	90.00
							836.43	332.72	90.00
							823.42	331.64	90.00
							791.45	358.81	90.00
							777.29	370.58	90.00
							757.32	384.19	90.00
							752.11	380.08	90.00
							736.53	378.23	90.00
							705.21	405.10	90.00
							703.97	418.40	90.00
							690.89	417.36	90.00
							658.61	444.17	90.00
							657.38	459.76	90.00
							721.59	539.29	90.00
							736.92	540.23	90.00
							827.46	462.55	90.00
							855.36	451.95	90.00
							871.70	452.84	90.00
							955.82	381.53	90.00
							949.50	374.34	90.00
cPad					90.00		955.65	386.36	90.00
							972.79	388.25	90.00
							1038.57	466.34	90.00
							1037.68	480.77	90.00
							998.17	514.10	90.00
							997.20	527.29	90.00
							964.24	555.12	90.00
							951.79	566.67	90.00
							918.49	594.50	90.00
							904.40	593.27	90.00
							891.11	577.21	90.00
							870.21	595.01	90.00

Name	Sel.	M.	ID	OnlyPts	Height		Coordinates		
					Begin	End	x	y	z
					(ft)	(ft)	(ft)	(ft)	(ft)
							879.82	606.25	90.00
							832.09	646.80	90.00
							822.55	635.65	90.00
							799.30	655.24	90.00
							718.59	560.96	90.00
							812.97	480.48	90.00
							837.07	508.81	90.00
							838.05	497.52	90.00
							921.52	427.94	90.00
							923.59	413.66	90.00
							955.65	386.36	90.00
cRoad							1291.72	75.47	99.00
							1435.00	239.53	94.00
							1526.88	176.09	96.00
							1739.07	441.88	98.00
cPad					96.00		1031.09	442.06	96.00
							986.25	389.70	96.00
							986.52	383.28	96.00
							1006.87	367.67	96.00
							1025.05	352.72	96.00
							1054.67	395.37	96.00
							1052.17	428.75	96.00
							1049.85	434.17	96.00
							1031.10	442.07	96.00



Eilar Associates, Inc.
Acoustical and Environmental Consulting Services

Appendix D

Recommended Products



SOUND CURTAINS
BY SOUND SEAL

BARRIER BACKED COMPOSITES

SPEC DATA SHEET



VIVID™ BBC-2"

BARRIER BACKED COMPOSITES

Vivid BBC-2" offers the benefits of both a noise barrier and a sound absorber in one composite product. Curtain panels are constructed with grommets across the top and exterior-grade Velcro seals along the vertical edges. Available in bound or unbound rolls, standard panels sizes or custom panels. Add some color to your manufacturing and outdoor spaces with Vivid.

FEATURES:

- Excellent acoustical performance
- Custom sizing
- Easy to install
- Durable, tear and abrasion-resistant
- Great UV and mildew resistance
- Highly water repellent
- Dimensionally stable; will not sag or stretch over time

OUTDOOR APPLICATIONS:

- Construction sites
- Pickle ball / tennis courts
- Outdoor dining venues
- Zoos / animal sanctuaries
- Life span of 10 years in the harshest exterior environments when properly installed

INDOOR APPLICATIONS:

- Music venues
- Manufacturing facilities
- Mechanical enclosures
- Distribution centers



VIVID BBC-2" BARRIER BACKED COMPOSITES

SIZING

- Rolls are available 54" W x 25' L, bound or unbound
- Standard panels 54" x 8' or custom sized panels

WEIGHT

- 1.5# per square foot

FINISHES

- Exterior grade covering
- 12 colors available for face
- 3 colors available for barrier back: light grey, tan or black

THICKNESS/SUBSTRATES

- Standard thickness: 2" thick fiberglass quilt with 1# PSF
- Reinforced mass-loaded vinyl

MOUNTING OPTIONS

- Exterior-grade Velcro seals along vertical edges
- Stainless steel grommets across the top, and bottom, if desired

FIRE RATING

- Class A Flammability Rated per ASTM E- 84
- Flame Spread: 25
- Smoke density: 200

TEMPERATURE RANGE

-20° to +180°F

ACOUSTICAL PERFORMANCE

1/3 Octave Sound Blocking Coefficients at the Octave Band Frequencies

Frequency (Hz)	125	250	500	1K	2K	4K	STC
2" Thickness	14	17	25	38	45	49	29

ASTM E-90 & E 413

1/3 Octave Sound Absorption Coefficients at the Octave Band Frequencies

Frequency (Hz)	125	250	500	1K	2K	4K	NRC
2" Thickness	0.10	0.57	0.83	0.69	0.51	0.37	0.65

ASTM C 423



SPECIFICATIONS:

Visit www.soundseal.com
or call 1.800.569.1294

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AVAILABLE!**



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