

Pickleball Noise Impact Study at Alta Vista

OUTLINE/AGENDA

1. Background and Purpose
2. Study Approach
3. Study Findings
4. Common Question
5. Sound Mitigation Options
6. Recommendations

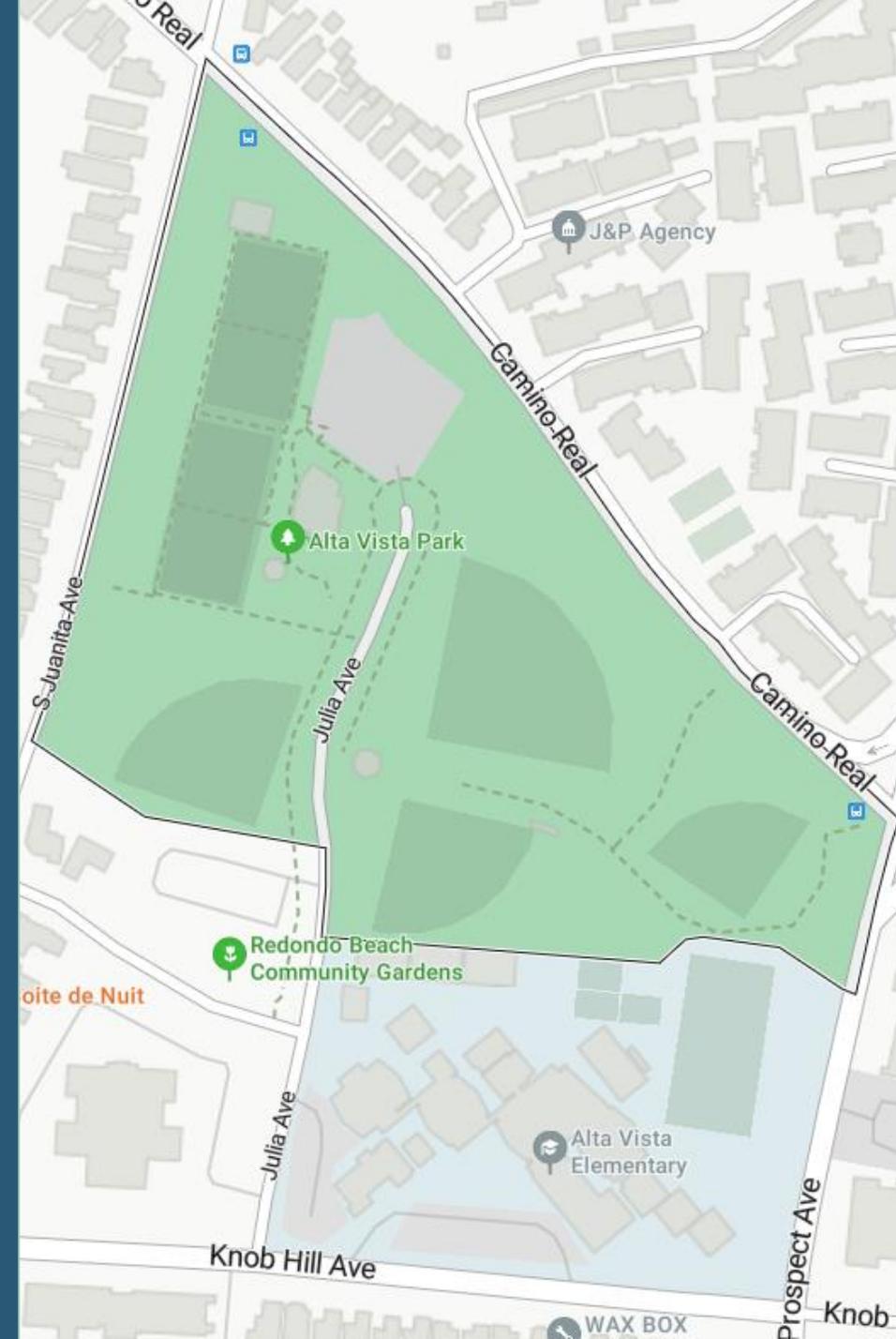
BACKGROUND AND PURPOSE

July 16, 2024 Council Meeting

Community shared interest in installing permanent pickleball courts at Alta Vista

Concern related to potential noise impacts

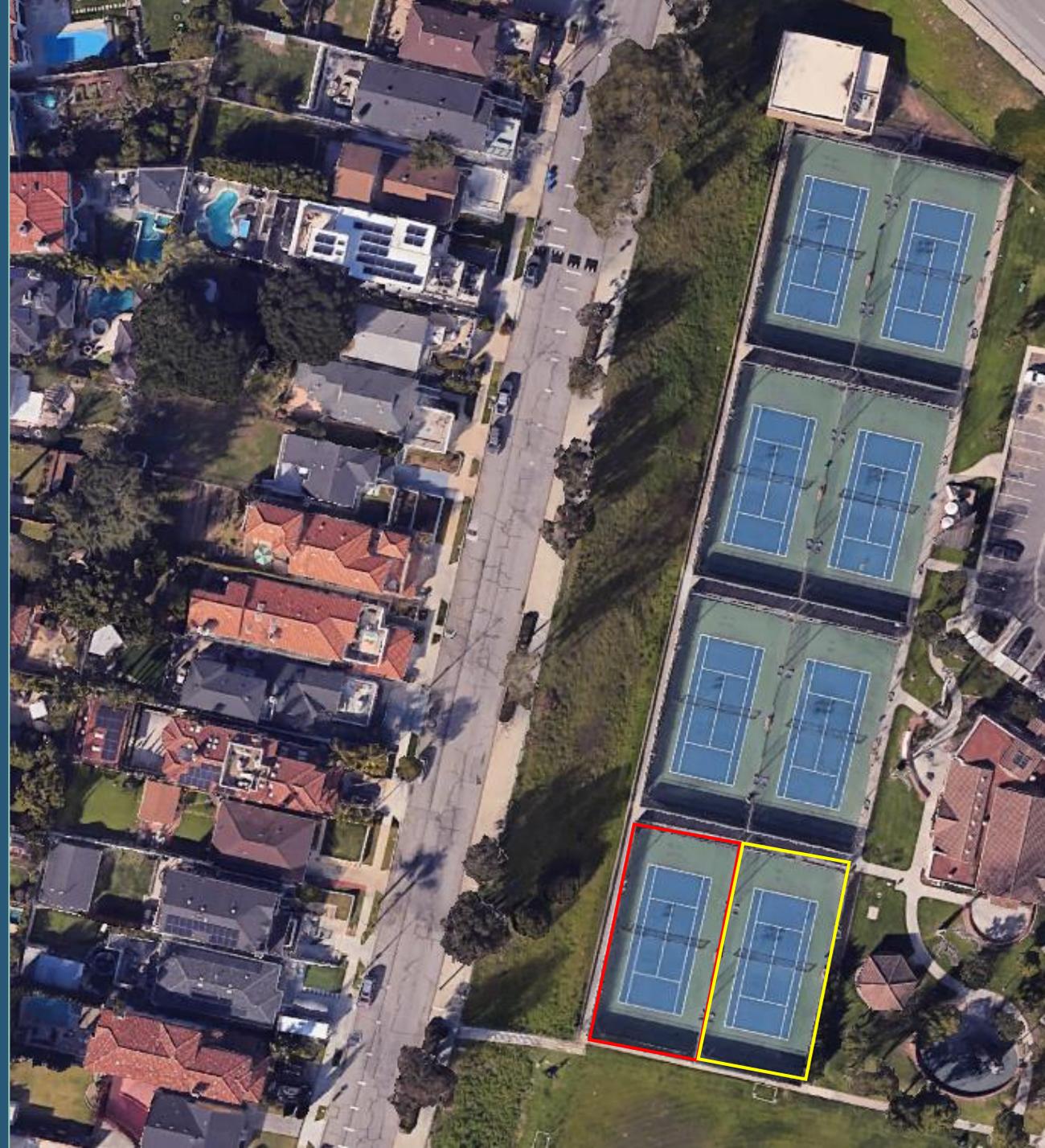
Direction: Conduct Noise Impact Study, prepare CEQA determination



ALTA VISTA COURTS

 = Court 1

 = Court 2



STUDY APPROACH

Yorke Engineering

- Measured baseline ambient noise over 24-hour period
- Measured noise generated by pickleball play
- 20-minute continuous pickleball play at each of the two potential courts



STUDY FINDINGS

- Proposed pickleball activities would not exceed limits set by RBMC 4-24.301
- Increases in noise exposure at neighboring residences: 0.0 to 0.7 dBA
- Below the minimum 3 dBA-levels generally considered noticeable in outdoor environments

Conclusion: No significant noise impacts would result from the installation of pickleball courts at either location.

COMMON QUESTION

Why was L_{eq} used instead of L_{max} ?

L_{eq} averages sound energy over time

The recognized regulatory standard for environmental noise
Accounts for intensity and duration

L_{max} measures single loudest moment, deemed unsuitable because:

Captures only one instant, does not reflect duration or frequency
Cannot reliably be attributed to pickleball in mixed-use outdoor setting

Not used in regulatory environmental noise assessments

SOUND MITIGATION OPTIONS

\$21,875 allocated during FY2024-25 Budget

Product	Panel Size	Cost per Panel	Sideline Panels (120 ft)	Baseline Panels (60 ft)	Sideline Cost*	Baseline Cost*	Pros	Cons
Pickleblok	8 ft × 6 ft	\$520	20	10	\$10,400	\$5,200	Color/design variety; durable	Higher Cost



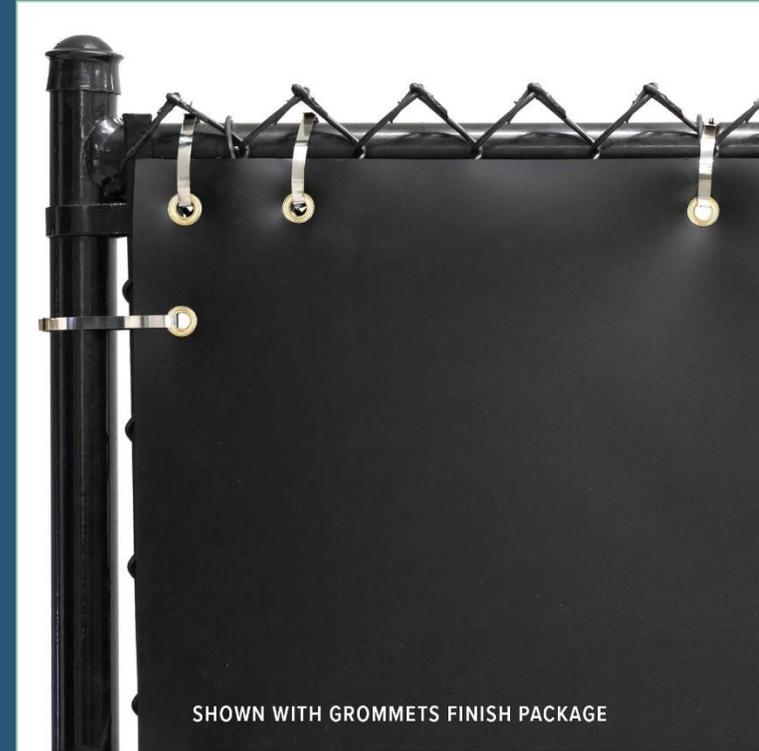
SOUND MITIGATION OPTIONS

Product	Panel Size	Cost per Panel	Sideline Panels (120 ft)	Baseline Panels (60 ft)	Sideline Cost*	Baseline Cost*	Pros	Cons
Alphasorb	8 ft × 4 ft	\$283	30	15	\$8,490	\$4,245	High sound absorption; flexible	Limited colors; higher maintenance



SOUND MITIGATION OPTIONS

Product	Panel Size	Cost per Panel	Sideline Panels (120 ft)	Baseline Panels (60 ft)	Sideline Cost*	Baseline Cost*	Pros	Cons
SoundBlock	10 ft × 4 ft	\$300	30	15	\$9,000	\$4,500	Good coverage	Single color option



NEXT STEPS

CIP 30330 - \$90,000, resurfacing/restriping of all 8 courts

Obtain cost proposals from vendors for resurfacing/restriping and for sound mitigation (2-3 weeks)

↳ Prepare contracts, present to Council for consideration and approval (3-4 weeks)

↳ Resurfacing/restriping of all courts (3-5 weeks)
Convert Tennis Court 1 into 4 pickleball courts
Install sound mitigation material (lead time for materials)

RECOMMENDATIONS

1. Receive and file the Noise Impact Study report
2. Determine that the Project is exempt from CEQA as described in the CEQA Exemption Declaration
3. Authorize staff to proceed with the proposed installation of pickleball courts at Alta Vista Park
4. Provide direction on sound mitigation options

Pickleball Noise Impact Study at Alta Vista

CEQA DETERMINATION

Categorically Exempt

- CEQA Guidelines Section 15301 (Existing Facilities)
- Minor alterations to an existing recreational facility
- No potential for significant environmental impacts
- Not located within a sensitive habitat or resource area

