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Project: Sacramento MLS Stadium

Summary: Responses to Sacramento Planning Department memo as pertains to MLD scope are as follows. For convenience, the

- **Item I.68: This project will require street lighting according to City standards. The City may assist in determining the number of street lights and their placement if requested.**

Roadway lighting is not in MLD scope, but MLD would be happy to review and comment on the proposed placements versus architectural lighting placement if the project schedule allows.

- **Item I.70: Exterior lighting shall be white light using LED lamps with full cutoff fixtures to limit glare and light trespass. Color temperature shall be between 2700K and 4100K.**

Currently, the only color-changing lighting under consideration is for specialty use during events, not general exterior hardscape and pedestrian lighting. Shielded fixtures have been selected to reduce the potential for glare and light trespass.

- **Item I.72: Unattended bicycle parking shall be illuminated to a maintained minimum of 1.5 foot candles per square foot of parking area at a 10:1 maximum to minimum ratio during events.**

The site lighting plan has been adjusted to meet this requirement.

- **Item I.73: Exterior walkways, alcoves, plazas and passageways shall be illuminated to a maintained minimum of ¼ foot candles per square foot of surface area at a 2 foot candle average and a 4:1 average to minimum ratio during events.**

The site lighting plan meets the minimum and average light level requirements, but not the uniformity requirement. A 4:1 average:minimum may be attainable for a typical parking lot lighting approach, but in landscape features where we are utilizing bench and rail-mounted lighting sources in part to limit glare and light trespass, we will have spots directly under fixtures and between fixtures that cause the uniformity ratios to be quite high, even as we have created an illuminated perimeter that contributes to

an overall sense of security. Further review and comment on the lighting plan as currently designed is requested per item #74.

- **Item I.74: Exterior lighting distribution and fixtures shall be approved by the Sacramento Police Department CPTED Sergeant (or designee) prior to issuance of a building permit.**

MLD is available to review the site lighting design with Sacramento PD and address any concerns.

- **Item I.75: Exterior lighting shall be designed in coordination with the landscaping plan to minimize interference between the light standards and required illumination and the landscape trees and required shading.**

Detailed coordination of landscape and lighting elements is ongoing.

- **Item I.76: All light fixtures shall be vandal resistant.**

The currently proposed lighting fixtures are durable and in keeping with fixture selections for similar projects. Sacramento PD to confirm whether the current lighting design meets the requirements of this item.

- **Item I.77: Exterior lighting shall be shielded or otherwise designed to avoid spill-over illumination to adjacent streets and properties.**

A calculation grid showing light levels at the property line shows .2fc or less at all points. Note that in cases where the property abuts a public roadway, both Title 24 and LEED allow the property line for purposes of light trespass to be moved to the middle of the roadway.

- **Item III.12: Lighting shall be provided for pedestrian safety as required by City code. Lighting shall be contained within the project property boundaries as required by City code.**

Lighting has been provided for pedestrian areas and shielded fixtures used to keep the lighting within property bounds, please provide any specific requirements from the city code. A brief search turned up only section 15.40.030, which pertains only to incandescent site lighting.

End of Memo