Appendix B

California Agricultural Land Evaluation and Site Assessment (LESA) Model Worksheet

California Agricultural Land Evaluation and Site Assessment Model (LESA) Model Worksheet of the Proposed PTeal Club Specific Plan

							Storie Index			Project Size Score				
Soil Map Unit Symbol	Soil Map Unit Name	Acres	Proportion	Capability Grouping LCC	LCC Rating	LCC Score	Index Rating	Index Score	Soil Grade	LCC Class I-II	LCC Class III	LCC Class IV-VIII	Meets Gov Cod 56064 Prime Ag Land Definition	Prime Farmland on State Important Farmland Map
Cd	Camarillo Loam	174	1.0	IIw-2	80	80	75	75	2	174				
	Total	**174**				**80**		**75**		174	0	0	Yes	Yes
	Total meeting Gov Code Prime Ag Definition	**174**							**Scores**	100				

Proposed Project Site Assessment Worksheet 2 - Water Resources Availability

Project Portion	Water Source	Proportion of Project Area	Water Availability Score	Weighted Availability Score
1	Irrigated	1.00	100	100
	Threshold Percentage of Project's Zone of Influence in Agricultural Use		Surrounding Agricultural Land Score	
		Actual		
	<19	19.0	0	
	Threshold Percentage of Project's Zone of Influence Defined as Protected		Surrounding Protected Resource Land Score	
		Actual		
	<20	0	0	

California Agriculture Land Evaluation and Assessment Model

As described above, the LESA model rates the relative quality of land resources, based on specific measurable features. The LESA model is comprised of six weighted factors:

- Two Land Evaluation (LE) factors are based on measures of soil resource quality, and
- Four Site Assessment (SA) factors based on the amounts of agricultural land, water availability, surrounding agricultural lands, and the presence of surrounding protected-resource lands.

The analysis considers site-specific information soils, crop production, and other factors to determine the actual production capabilities of land currently used for agricultural purposes that would be converted to urban uses with the proposed project.

Land Evaluation Factors

Each of the LE factors is rated on a 100-point scale and weighted relative to one another to generate a single numeric potential-significance threshold score, with 100 points as the maximum attainable score.

The Soil Survey, San Bernardino County, California, Mojave River Area, was used to determine soil mapping units for the property, as well as the:

- USDA Land Capability Classification (LCC), which rates soil limitations and risk of agricultural damage to soils from outside factors such as change in soil chemistry from the use of herbicides, Class I provides the lowest risk and Class VIII the highest risk for agricultural production and
- Storie Index, which rates the relative degree of soil suitability for intensive agriculture.

Multiplying the proportion of each of the soils on the site by the LESA point rating scale generates a single project site score for each LE factor.

Site Assessment Factors

The project size rating segregates acreage figure for groupings of LCC classes and points are assigned for each of the groupings on a 100-point scale. The model requires use of the highest value from among the groupings; since the groupings attained a score of 100, the score of 100 was entered into the model.

The water resources availability rating is based on drought and non-drought restrictions on water supply for the site. Since the site is irrigated, and dry-land production is feasible, it received a value of 100, which was entered into the model.

A Zone of Influence (ZOI) was identified and used to determine the final two SA factors; surrounding agricultural land rating and surrounding protected resource land rating. The ZOI includes all parcels within 0.5 miles of the property. The agricultural land rating score is based on the percentage of the ZOI currently producing agricultural crops (19 percent), and the surrounding protected resource land rating is based on the percentage of the ZOI lands with long-term restrictions compatible with or supportive of agricultural land uses, including Williamson Act Lands (approximately 0 percent). Each of these values is assigned points based on area and the points appear in the spreadsheet.