APPENDIX C: SAMPLE Water Efficient Landscape Worksheet

This worksheet is filled out by the project applicant and it is a required element of the Landscape Documentation Package.

Reference Evapotranspiration (ETo) for Los Altos Hills = 43.0 Maximum Lawn Area Allowed = 5,000 sq.ft.

Hydrozone # /Planting Description[1]	Plant Factor (PF)	Irrigation Method[2]	Irrigation Efficiency (IE)[3]	ETAF (PF/IE)	Landscape Area (sq,ft)	ETAF x Area	Estimated Total Water Use (ETWU)[4]
Regular Landscape Areas							
#1 Lawn	0.8	Overhead spray	0.75	1.07	1000	1070	28526
#2 Low water use	0.2	Drip	0.81	0.25	2000	500	13330
#3 High water use	0.8	Drip	0.81	0.99	50	49.5	1320
#4 Medium water use	0.5	Drip	0.81	0.62	450	279	7438
				Totals	(A)3500	(B)1899	50614
Special Landscape Areas							
				Totals	(C)	(D)	0
						ETWU Total	50614
						Parcel Water Budget (PWB)[5]	282,758

Average ETAF for Regular Landscape Areas must be 0.55 or below for residential areas, 0.45 or below for non-residential.

ETAF Calculations

Regular Landscape Areas		
Total ETAF x Area	**(B)**	**1899**
Total Area	**(A)**	**3500**
Average ETAF	**B ÷ A**	**.54**

OK

All Landscape Areas		
Total ETAF x Area	**(B+D)**	**1899**
Total Area	**(A+C)**	**3500**
Sitewide ETAF	**(B+D) ÷ (A+C)**	**.54**

1) Hydrozone #/Planting Description
e.g. 1. Low water use plantings
2. Medium water use plantings
3. High water use planting

2) Irrigation Method
Overhead spray or drip

3) Irrigation Efficiency
0.75 for spray head
0.81 for drip

4) ETWU (Annual Gallons Required) =
ETo x 0.62 x ETAF x Area
where 0.62 is a conversion factor that converts acre-inches per acre per year to gallons per square foot per year.

5) PWB (Annual Gallons Allowed) =
[(1.0-slope) (0.8) (43.0) (0.62) [0.55 x (An-MDA) + (0.45 x SLA)]
PWB= Parcel water budget (units per year)
Slope = Average slope of the parcel or lot as a percentage of 1.0 to the nearest hundredth
0.8 = Water conservation factor
43.0 = Reference evapotranspiration (ETo) in Los Altos Hills, in inches/year
0.62 = Conversion factor (to gallons)
0.55 = ET adjustment factor (ETAF)
An = Net lot area (square feet)
MDA = The maximum development area (in square feet) allowed for the property.
0.45 = Additional water allowance for SLA
SLA = Special landscape area (square feet)
748 = Number of gallons in a unit (100 cubic feet) of water

SAMPLE