Appendix B – Sample Water Efficient Landscape Worksheet.

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) \_\_\_\_\_\_\_\_\_\_\_\_**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Hydrozone # /Planting Descriptiona** | **Plant Factor (PF)** | **Irrigation**  **Methodb** | **Irrigation Efficiency (IE)c** | **ETAF**  **(PF/IE)** | | **Landscape Area (sq, ft,)** | | **ETAF x Area** | **Estimated Total Water Use (ETWU)e** |
| **Regular Landscape Areas** | | | | | | | | | |
|  |  |  |  |  | |  | |  |  |
|  |  |  |  |  | |  | |  |  |
|  |  |  |  |  | |  | |  |  |
|  |  |  |  |  | |  | |  |  |
|  | |  |  | Totals | | (A) | | (B) |  |
| **Special Landscape Areas** | | | | | | | | | |
|  |  |  |  | 1 | |  | |  |  |
|  |  |  |  | 1 | |  | |  |  |
|  |  |  |  | 1 | |  | |  |  |
|  |  |  |  | | Totals | | (C) | (D) |  |
|  |  |  | **ETWU Total** | | | | | |  |
|  |  |  | **Maximum Allowed Water Allowance (MAWA)e** | | | | | |  |

***dETWU* (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.

***bIrrigation Method cIrrigation Efficiency***

*overhead spray 0.75 for spray head*

*or drip 0.81 for drip*

***aHydrozone #/Planting Description***

*E.g*

*1.) front lawn*

*2.) low water use plantings*

*3.) medium water use planting*

***eMAWA (Annual Gallons Allowed) = (****Eto) ( 0.62) [ (ETAF x LA) + ((1-ETAF) x SLA)]*

where 0.62 is a conversion factor that converts acre-inches per acre per year to gallons per square foot per year, LA is the total landscape area in square feet, SLA is the total special landscape area in square feet,

and ETAF is .55 for residential areas and 0.45 for non-residential areas.

**ETAF Calculations**

Regular Landscape Areas

|  |  |
| --- | --- |
| Total ETAF x Area | (B) |
| Total Area | (A) |
| **Average ETAF** | **B ÷ A** |

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

All Landscape Areas

|  |  |
| --- | --- |
| Total ETAF x Area | (B+D) |
| Total Area | (A+C) |
| **Sitewide ETAF** | **(B+D) ÷ (A+C)** |