

Schedule based on the following design parameters 3/4" water meter: 22.5 GPM "Capacity"

## FORMULA: T= (60 X ET X PF) / (PR X IE) X 7 / water days per week where:

T = IRRIGATION TIME (in minutes)

ET = Daily Evapotranspiration Rate = (Peak ET for Month of July)

PF = CROP COEFFICIENT (kc)
PR = PRECIPITATION RATE

IE = IRRIGATION EFFICIENCY

	minutes per day	ET	PF	PR	ΙE	water days	water days per week	Minutes per run day
	uay		ГГ	FIX		water days	per week	per run day
EMITTER DRIP AREA								
(Low water)=	60.0	0.220	0.2	0.3	0.8	7	1	77
INLINE DRIP AREA								
(Low water)=	60.0	0.220	0.2	1.56	8.0	7	1	15
SHRUB SPRAY								
(Low water)=	60.0	0.220	0.2	1.0	0.55	7	2	17
TREE BUBBLER								
(Low water)=	60.0	0.220	0.2	1.93	0.8	7	1	12
SHRUB SPRAY								
(Moderate water)=	60.0	0.220	0.5	1.0	0.55	7	2	42
INLINE DRIP AREA								
(High water)=	60.0	0.220	0.8	1.56	0.8	7	3	20

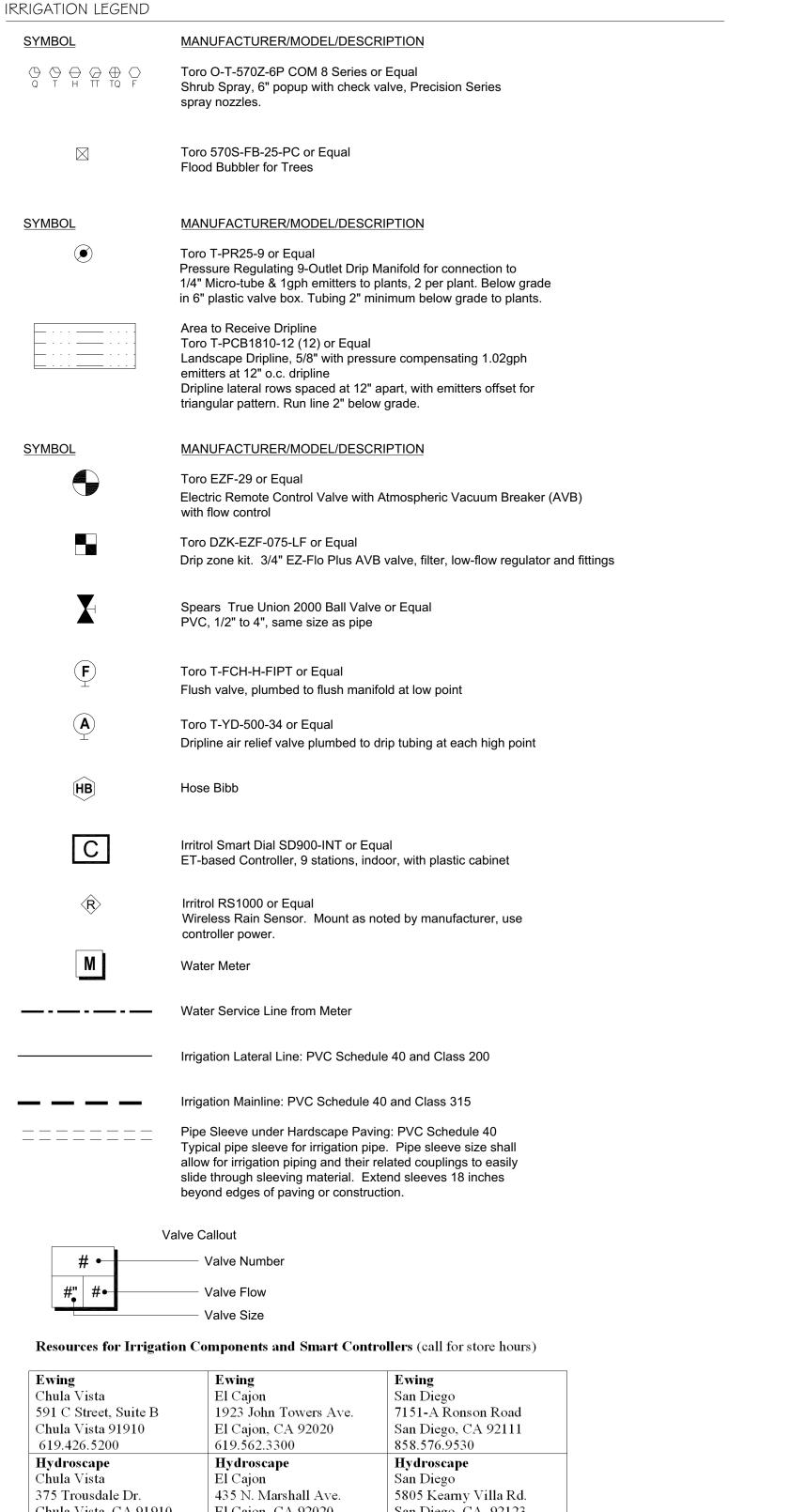
CONTROLLER (8 Stations)	GPM	Station	PR	PF	Run Time
Emitter Drip Area (Low)	0.87	1	0.30	0.2	77
Inline Drip Area (Low)	8.9	2	1.56	0.2	15
Tree Bubbler (Low)	3.0	3	1.93	0.2	12
Shrub Spray (Low)	4.0	4	1.00	0.2	17
Inline Drip Area (High)	0.2	5	1.56	0.8	20
Tree Bubbler (Low)	1.5	6	1.93	0.2	12
Inline Drip Area (Low)	10.0	7	1.56	0.2	15
Shrub Spray (Moderate)	4.6	8	1.00	0.5	42
	4.1	AVG.			

TOTAL MINUTES PER DAY =	209.1	minutes
TOTAL HOURS PER DAY =	3.48	hrs

## **Landscape Irrigation Water Analysis** Native/Habitat Typical Home **Estimated Total Water MAWA** Landscape Plan for San Diego Usage **Hydrozones Moderate Water Use** High Water Use Low Water Use Shrub Low Water Use Shrub Shrub Planting with Vegetable Garden with Planting with Spray Planting with Drip Total Landscape Area (Square Feet) 2,958.00 Hydrozone Area S.F Irrigation Efficiency (IE) Reference Evapotranspiration (Eto) Ref ET (Eto) ET Adjustment Factor (ETAF) Plant Factor / Ko Conversation Factor (inches to Gallons) Conversation Factor Eto x .62 x (ETAF x Land Area + (.3 x SLA)) Eto x .62 x (PF x HA/IE) 39,228 Total Gallons per year Data from the C.I.M.I.S Station # 153 in Escondido was used. Anticipated evapotranspiration rates for the site are based on historical averages. This data is collected from C.I.M.I.S.(California Irrigation Management Information System) IE = Drip/ Bubblers/ Micro Spray at .8; Rotors at .7; Spray at .5

## NATIVE / HABITAT IRRIGATION PLAN

Typical Water Smart Home Landscaping Plan San Diego



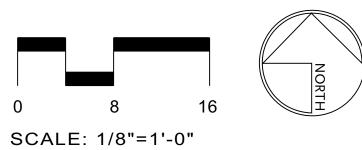
Ewing	Ewing	Ewing
Chula Vista	El Cajon	San Diego
591 C Street, Suite B	1923 John Towers Ave.	7151-A Ronson Road
Chula Vista 91910	El Cajon, CA 92020	San Diego, CA 92111
619.426.5200	619.562.3300	858.576.9530
Hydroscape	Hydroscape	Hydroscape
Chula Vista	El Cajon	San Diego
375 Trousdale Dr.	435 N. Marshall Ave.	5805 Kearny Villa Rd.
Chula Vista, CA 91910	El Cajon, CA 92020	San Diego, CA 92123
619.691.9700	619.440.4703	858.560.6611
Horizon	Horizon	
Chula Vista	San Diego	
2202 Verus Street	7366 Engineer Road	
San Diego,	San Diego,	
California 92154	California 92111	
619.575.2222	858.278.5151	
John Deere		
El Cajon		
1073 N. Marshall		
El Cajon, CA 92020		
619.562.8777		

SCHMIDT DESIGN GROUP, INC.

BALANCING ARTISTIC EXPRESSION IN DESIGN WITH ENVIRONMENTAL SENSITIVITY

2655 Fourth Avenue, San Diego, CA 92103 telephone {619} 236-1462 facsimile {619} 236-8792 www.schmidtdesign.com

Lic. CA 2138, NV 219, AZ 34139



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