Calculation for Green 1	Ory Basin Storage Capac	city	
Date Submitted:		I WIVI INO.	
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Step A. Site Planning Recon	nmendation		
· ·	ary function of dry basins based. Refer to this section as needed	•	
removed by the Gree	•) of water to be	
1. A = Contributing drainage area to green dry basin:			$\underline{\hspace{1cm}}$ ft ²
2. RE = Required Water	Quality Volume Rain Event in in	iches (minimum 0.6 in):	inches
3. I = Impervious cover	of the contribution drainage area	in percent:	0/0
4. $VR = (1/12)(RE)(A)(0$.05 + (0.009)(I)) =		$\underline{\hspace{1cm}}$ ft ³
Step C. Calculate the Area (a as needed.) of the Orifice Outlet Structur	re. Review section 18.4.4.3.3	
1. A = Average surface a	rea of the pond		ft ²
	t, 0.66 for thin, 0.80 for materials		
	f pond, must be greater than 24 h	nours	hours
4. g = Gravity			32.2 ft/sec
 5. H = Elevation when pond is full to storage height 6. H_o = Final area of dry basin bottom 			ft ft
7. a = Area of the orifice outlet (minimum 6 inch outlet orifice)			$\phantom{00000000000000000000000000000000000$
		,	
$a = [2A (H - H_0)^{0.5}] / [3600(C)(T)(2g)^{0.5}] =$			ft ²
Note: Basin modeling and	alysis can be provided in lieu of the	he formula provided herein.	
Step D. Prepare exhibits A ar	nd B for long-term maintenanc	ce and operation agreement.	