Calculation of Proprietary	w Water Quality Units	Storage Capacity	
Project Name:		MOD B	
Property Address:			
Design Firm:			
Design Engineer: KY PE No.:	Telephone:	Email:	
Calculation of Proprietar	y Water Quality Units	Storage Capacity	
	function of the Proprietary W	Vater Quality Unit based on roughout the remainder of this	
Step B. Determine the peak flow rate from manufactures recommendations:			ft ³ /s
Step C. Calculate the Required removed by proprietary and specifications with	water quality units. Submi	Q _V Required) of water to be it manufacturers documentation	
1. C=runoff coefficient for	the area draining to the propri	ietary water quality unit:	
2. I=rainfall intensity for 15 minute, 1-year return frequency storm, 2.82 inches/hour for Louisville MSD			inches /hour
3. A=drainage area to the p	3. A=drainage area to the proprietary water quality unit in acres		
	4. Qp=peak flow rate through proprietary water quality unit in cfs=C*I*A		
5. Is the peak flow rate in Step C.4 greater than the peak flow rate in Step B?			$\frac{1}{1}$ ft ³
6. If step C.5 is yes, then pr			
1 , 1	as nessary so that 100% of the	water is contained.	
Step D. Complete O&M docum	nentation.		
Additional Calculations and Expla	nation (Required if design dev	iates from calculation sheet):	