



Figure 3.3 Design Form

Detention/Retention Ponds

Development: _____ BMP ID: _____

Pond Stage-Area Storage Summary: (Notes: Maximum elevation increment of 1 foot. Add WQ_v elevation & check)

WQ	Elevation	Area	Cumulative	WQ	Elevation	Area	Cumulative
	ft	ft ²	ft ³		ft	ft ²	ft ³
	ft	ft ²	ft ³		ft	ft ²	ft ³
	ft	ft ²	ft ³		ft	ft ²	ft ³
	ft	ft ²	ft ³		ft	ft ²	ft ³
	ft	ft ²	ft ³		ft	ft ²	ft ³
	ft	ft ²	ft ³		ft	ft ²	ft ³
	ft	ft ²	ft ³		ft	ft ²	ft ³
	ft	ft ²	ft ³		ft	ft ²	ft ³
	ft	ft ²	ft ³		ft	ft ²	ft ³
	ft	ft ²	ft ³		ft	ft ²	ft ³
	ft	ft ²	ft ³		ft	ft ²	ft ³
	ft	ft ²	ft ³		ft	ft ²	ft ³
	ft	ft ²	ft ³		ft	ft ²	ft ³
	ft	ft ²	ft ³		ft	ft ²	ft ³
	ft	ft ²	ft ³		ft	ft ²	ft ³

Pond Discharge Summary:

Rainfall	Pre Dev Q	Post Dev Pond In Q	Post Dev Pond Out Q	Post Dev Max Stage	Post Dev Outlet Velocity
1.10" (WQ)	ft ³ /s	ft ³ /s	ft ³ /s	ft	ft/s
4.12" (2-yr)	ft ³ /s	ft ³ /s	ft ³ /s	Ft	ft/s
5.02" (5-yr)	ft ³ /s	ft ³ /s	ft ³ /s	Ft	ft/s
5.85" (10-yr)	ft ³ /s	ft ³ /s	ft ³ /s	Ft	ft/s
7.18" (25-yr)	ft ³ /s	ft ³ /s	ft ³ /s	Ft	ft/s
9.71" (100-yr)	ft ³ /s	ft ³ /s	ft ³ /s	ft	ft/s

Professional Engineer Certification:

By affixing my professional seal and signature on this form, I hereby certify that the design for this development has been submitted to the Jefferson County for review and approval. I further certify that the drainage areas shown in the hydrology and hydraulic (H&H) calculations and/or the attached maps do in fact drain into this facility and that the post-development runoff mimics predevelopment hydrology in accordance with the County's storm water management requirements in effect at the time the project was approved by the County.

Company _____

Seal:

Name _____

Address _____

Email _____

Phone _____

Signature _____

Date _____