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		BY: A. Peck	
		CHKD. BY:	

WQV calculations

Bioretention Area A

Contributing Impervious Area = 8,705 SF

* WQV = 8705 SF × 0.5 in/12 = 363 CF *
(req'd)

bottom of area A = 133.5
elev. @ spillway = 134.25 } volume provided = 476 CF

476 CF > 363 CF ∴ adequate WQV storage is provided

Bioretention Area B

Contributing Impervious Area = 32,287 SF

* WQV = 32,287 SF × 0.5 in/12 = 1,345 CF *
(req'd)

bottom of area B = 124.0
elev. @ spillway = 125.25 } volume provided = 1,617 CF

1,617 CF > 1,345 CF ∴ adequate WQV storage is provided

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Sediment Forebay

Contributing Paved Area = 25,194 SF
" Roof Area = 11,429 SF

36,623 SF

* WQV (req'd) = 36,623 SF x 0.5 in/12 = 1,526 CF

bottom of forebay = 104.00
elev@ spillway = 106.5
} volume provided = 1,791 CF

1,791 > 1526 CF ∴ adequate WQV storage provided