APPENDIX G

Computation of Construction Site Estimates

Computation Sheet for Determining Runoff Coefficients

Total Site Area	=	25 acres	(A)
Existing Site Conditions			
Impervious Site Area[1]	=	24.75 acres	(B)
Impervious Area Runoff Coefficient[2,4]	=	0.95	(C)
Pervious Site Area[3]	=	0.25 acres	(D)
Pervious Site Area Runoff Coefficient[4]	=	0.50	(E)
Existing Site Area Runoff Coefficient $= \frac{(B \cdot C) + (D \cdot E)}{A}$	=	0.95	(F)
Proposed Site Conditions (After Construction)			
Impervious Site Area[1]	=	24.75 acres	(G)
Impervious Site Runoff Coefficient[2,4]	=	0.95	(H)
Pervious Site Area[3]	=	0.25 acres	(I)
Pervious Site Area Runoff Coefficient[4]	=	0.50	(J)
Proposed Site Area Runoff Coefficient $= \frac{(G \cdot H) + (I \cdot J)}{A}$	=	0.95	(K)

1 Includes paved areas, areas covered by buildings, and other impervious surfaces.
2 Use 0.95 unless lower or higher runoff coefficients can be verified.
3 Includes areas of vegetation, most unpaved or uncovered soil surfaces, and other pervious areas.
4 See Table C-1 and C-2 for runoff coefficients