DA SITE SUMMARY
STORMWATER PRE-POST CALCULATIONS

SITE SUMMARY

DRAINAGE AREA SUMMARIES

DRAINAGE AREA:	DA1	DA2	DA3	DA4	DA5	DA6	DA7	DA8	DA9	DA10
Pre-Development (1-year, 24-hour storm)										
Runoff (in) = $Q_{pre,1-year}$ =	0.41	0.34								
Peak Flow (cfs)=Q_{1-year} =	2.773	0.144								
Post-Development (1-year, 24-hour storm)										
Proposed Impervious Surface (acre) =	5.00	0.06								
Runoff (in)=Q_{1-year} =	1.25	0.42								
Peak Flow (cfs)=Q_{1-year} =	21.889	0.266								
Increase in volume per DA (ft^3)_1-yr storm=	33,907	200								
Minimum Volume to be Managed for DA HIGH DENSITY REQUIREMENT = (ft^3) =	18,355	314								

TARGET CURVE NUMBER (TCN)

Site Data

SITE \SOIL COMPOSITION

HYDROLOGIC SOIL GROUP	Site Area	%	Target CN
A	0.00	0%	N/A
B	8.45	72%	N/A
C	2.96	25%	N/A
D	0.37	3%	N/A
Total Site Area (acres) =	11.78		
Percent BUA (Includes Existing Lakes/Pond Areas) =	43%		
Project Density =	High		
Target Curve Number (TCN) =	N/A		
$CN_{adjusted\ (1-year)}$=	81		
Minimum Volume to be Managed (Total Site) Per TCN Requirement= ft^3 =	N/A		

Site Nitrogen Loading Data

HSG	TN export coefficient (lbs/ac/yr)	Site Acreage	N Export
Pasture	1.2	0.00	0.00
Woods, Poor Condition	1.6	0.00	0.00
Woods, Fair Condition	1.2	0.00	0.00
Woods, Good Condition	0.8	0.27	0.22
Open Space, Poor Condition	1.0	0.00	0.00
Open Space, Fair Condition	0.8	0.00	0.00
Open Space, Good Condition	0.6	6.45	3.87
Reforestation (in dedicated OS)	0.6	0.00	0.00
Impervious	21.2	5.06	107.27
SITE NITROGEN LOADING RATE (lbs/ac/yr)=	9.45		
Nitrogen Load (lbs/yr)=	111.36		
TOTAL SITE NITROGEN TO MITIGATE (lbs/yr)_Wendell Only=	68.95		

Site Nitrogen Loading Data For Expansions Only

	Existing	New
Impervious(acres)=	NA	NA
"Expansion Area" (acres=)		
Nitrogen Load (lbs/yr)=	NA	NA
SITE NITROGEN LOADING RATE (lbs/ac/yr)=	NA	NA
Total Site loading rate (lbs/ac/yr)		
TOTAL SITE NITROGEN TO MITIGATE (lbs/yr)=	NA	