

Project Name: **Former Thales Site**

DA SITE SUMMARY
STORMWATER PRE-POST CALCULATIONS

SITE SUMMARY						
DRAINAGE AREA SUMMARIES						
DRAINAGE AREA:	DA1	DA2	DA3	DA4	DA5	DA6
Pre-Development (1-year, 24-hour storm)						
Runoff (in)=Q* =	0.806	0.778	0.852	0.606		
Peak Flow (cfs)=Q _{post} =	12.097	19.336	8.340	26.868		
Post-Development (1-year, 24-hour storm)						
Proposed Impervious Surface (acre) =	10.40	15.11	2.54	6.97		
Runoff (in)=Q* =	2.036	1.994	1.508	0.993		
Peak Flow (cfs)=Q _{post} =	38.855	87.571	24.121	57.966		
TARGET CURVE NUMBER (TCN) - Residential Only						
SITE \SOIL COMPOSITION						
HYDROLOGIC SOIL GROUP	<u>Site Area</u>	<u>%</u>			<u>Target CN</u>	
A	0.00	0%			<u>43</u>	
B	0.00	0%			<u>63</u>	
C	69.94	83%			<u>76</u>	
D	13.90	17%			<u>81</u>	
Total Site Area (acres) =				83.84		
Zoning =				R-10		
Target Curve Number (TCN) =				77		
% Impervious =				42%		
Post Development CN _{adjusted} =				82		
Required Volume to be Managed (TCN)= ft ³ =				87,705		
SITE NITROGEN AND PHOSPHORUS LOADING						
Nitrogen and Phosphorus Targets (Based on Regulatory Watershed)						
Target Nitrogen Load (lb/ac/yr)=				3.6		
Target Phosphorus Load (Falls and Jordan Lakes Only) (lb/ac/yr)=				N/A		
% N Loading Reduction Option for Expansions (Falls and Jordan Lakes Only) =				N/A		
% Loading Reduction Nitrogen Target (Falls and Jordan Lakes Only) (lb/ac/yr)=				N/A		
% P Loading Reduction Option for Expansions (Falls and Jordan Lakes Only) =				N/A		
% Loading Reduction Phosphorus Target (Falls and Jordan Lakes Only) (lb/ac/yr)=				N/A		
Pre Development Nitrogen and Phosphorus Load						
Total Nitrogen (lb/ac/yr)=				1.60		
Total Phosphorus (lb/ac/yr)=				N/A		
Post Development Nitrogen and Phosphorus Load						
Total Nitrogen (lb/ac/yr)=				5.60		
Total Phosphorus (lb/ac/yr)=				N/A		