

Silver Stream Pond Permit

State Stormwater Management Systems
Permit No. SW8921002 Modification

DIVISION OF ENVIRONMENTAL MANAGEMENT

PROJECT DATA

Project Name: Silverstream Regional Water Quality Facility Modification

Project Number: 921002

Location: New Hanover County

Applicant: Ms. Mary Gornto, City Manager

Mailing Address: City of Wilmington
Post Office Box 1810
Wilmington, North Carolina 28402

Submittal Date: October 2, 1992

Water Body Receiving Stormwater Runoff: Greenfield Lake

Classification of Water Body: "C Sw"

	UPPER POND	LOWER POND
Pond Depth:	5.0 feet	5.0 feet
Permanent Pool Elevation:	18 MSL	15 MSL
Total Impervious Surfaces Allowed:	92.85 acres	28.38 acres
R-15	35%	
MF-M	60%	
O & I	75%	
CB/RB	90%	
Green Area Entering Pond:	106.55 acres	52.72 acres
Required Surface Area:	131,852 square feet	30,906 square feet
Provided Surface Area:	53,830 square feet	64,494 square feet
Required Storage Volume:	414,401 cubic feet	141,294 cubic feet
Provided Storage Volume:	195,520 cubic feet	244,136 cubic feet
Temporary Storage Elevation:	21 MSL	18 MSL
Controlling Orifice Type/Diameter:	8.0" pipe	12" pipe