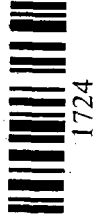


111634-1



Project Correspondence

1724

11 1634-1

4000 sf

8000 sf

50%

Site-Specific Pre-/Post- Pollutant Loading Analysis

Existing Condition	Land Use	Soil Type	Total P Loading (kg/ac-yr)		Basin Acreage (acres)	=	Inflow Mass Loading (kg/yr)	Treatment System	Inches of Retention Over Basin Area (inches)	Pollutant Removal Efficiency (%)	Outflow Mass Loading (kg/yr)
Basin 1	OPEN	HSG A	0.004	X	2.62	=	0.01				0.01
Basin 2	OPEN	HSG A	0.004	X	3.72	=	0.01				0.01
Basin 3	SFR 40%	HSG A	0.25	X	0.20	=	0.05				0.05
Basin 4											
Basin 5											
Basin 6											
Basin 7											
Basin 8											
Basin 9											
Basin 10											

LAND USE ON 3/1/2003

→ WAS IN PLACE

assumed to get 50% IMPERV. IN BASIN (BASED ON IMP. AREA OF ASSISTED LIVING FACILITY → IS A CONVERTED SINGLE FAMILY HOME)

					<u>6.54</u>		<u>0.08</u>				<u>0.08</u>
Proposed Condition	Land Use	Soil Type	Total P Loading (kg/ac-yr)		Basin Acreage (acres)	=	Inflow Mass Loading (kg/yr)	Treatment System	Inches of Retention Over Basin Area (inches)	Pollutant Removal Efficiency (%)	Outflow Mass Loading (kg/yr)
Basin 1	SFR 40%	HSG A	0.25	X	6.54	=	1.64	Dry Retention	2.00	97	0.05
Basin 2											
Basin 3											
Basin 4											
Basin 5											
Basin 6											
Basin 7											
Basin 8											
Basin 9											
Basin 10											

6.54

1.64

0.05

111634-1

HEART HOUSE COMMUNITY CHURCH

discharge to ~~Johns Lake~~ → unnamed borrow lake

1.85 ac imp

3.95 ac project area = 47% imp.

w/ large parking lot

111634-1