

First Union Baptist Church



Subwatershed: Great Egg Harbor River

Site Area: 20,429 sq. ft.

Address: 854 Jackson Road
Newtonville, NJ 08346

Block and Lot: Block 2001, Lot 10



Downspout planter boxes can be constructed along the northwest and southeast sides of the building to allow roof runoff to be reused. A preliminary soil assessment suggests that the soils have suitable drainage characteristics for green infrastructure.





Impervious Cover		Existing Loads from Impervious Cover (lbs/yr)			Runoff Volume from Impervious Cover (Mgal)	
%	sq. ft.	TP	TN	TSS	For the 1.25" Water Quality Storm	For an Annual Rainfall of 44"
75	15,322	0.7	7.7	70.3	0.012	0.42

Recommended Green Infrastructure Practices	Recharge Potential (Mgal/yr)	TSS Removal Potential (lbs/yr)	Maximum Volume Reduction Potential (gal/storm)	Peak Discharge Reduction Potential (cu. ft./second)	Estimated Size (sq. ft.)	Estimated Cost
Planter boxes	n/a	5	n/a	n/a	7 (boxes)	\$7,000

GREEN INFRASTRUCTURE RECOMMENDATIONS



First Union Baptist Church

-  planter box
-  drainage area
-  property line
-  2015 Aerial: NJOIT, OGIS

