

November 6, 2008

Critical Area Forest Work Sheet

Forest Cover on site: 52,981 square feet:

Lot "I" The entire lot is currently forested.	10,012 sqft.
Area of Chesapeake Avenue R-O-W to remain unimproved.	
35,537 existing forest – 27,718 = 11,795 sqft.	11,795 sqft.
Area of non tidal forested wetlands to remain on site.	5,974 sqft.

Area of tree coverage on site where there is canopy coverage and layering due to small trees in the understory. Trees have been located on the site and assigned an average value of 400 square feet per tree. (63 trees x 400 = 25,200)

	<u>25,200 sqft.</u>
Total Forest Cover	52,981 sqft.

Percentage of Forest Cover on Site: $52,981 \div 136,423 = 38.83\%$

Forest to be Cleared: Lot "I"	9,127 sqft.
Chesapeake Avenue	1,305 "
28 trees at 400 sqft per tree	<u>11,200 "</u>
	21,632 sqft.

Forest Cover on site after clearing: $52,981 - 21,632 = 31,349$ sqft.

Percentage of Forest Cover after clearing $31,349 \div 136,423 = 22.9\%$

Forest Cover on site after mitigation: 31,349 sqft existing forest + 11,494 sqft available to plant = 42,843 sqft.

(17,494 sqft. Represents the total easement area less 6,000 sqft. the area of 15 existing trees at 400 sqft per tree counted within the easement) + 136,423 total area = 31.4%