Nutrient Management Plan

Prepared for: Name Address: Phone Number Email:

Prepared by: Name Address Certification/Qualification: Email:

Municipality: Watershed: (HUC-12; VAHU6; Receiving waters) Plan Preparation Date: Plan Expiration Date: Total Square Footage covered by this plan:

Plan Preparer Signature:

Table of Contents

1. Narrative	3
2. Site Maps	4
3. Soil Test Results	6
A. Lawn	6
4. Soil Test Summaries	6
A. Lawn	6
5. Nutrient Application Worksheets	7
A. Lawn (Preventative Crabgrass Plan)	7
B. Lawn	7
6. Fertilizer Application Records	8
7. Reference Material	9

1. Site Description and Supporting Information:

<u>Sample Text</u> The associated property is located at 124 Something Ln. Anytown, VA 22543 and is a part of the Sinkhole Creek development. The house was built in September of 2006. The entire lot is .16 acres with 5,200 square feet currently managed as a tall fescue lawn. After construction of the house the yard was sodded with tall fescue sod from Somerset Turf Farm in Somerset, VA.

Although there is a distinct front and back yard there are no differences in the maintenance practices between the two areas. There are several maple trees and a few evergreen trees planted in the lawn and near the road. These landscape plants do not receive any additional nutrients aside from what the lawn receives.

Surface compaction is moderate on the site with very few roots reaching lower than 4 inches. The site also has the ability to be irrigated using an in-ground irrigation system. The irrigation system was audited in the spring of 2014 and is able to provide 0.5 inches of water per hour. The site is gently sloping from the road to the rear (north) of the property, with slopes less than 2%. There are no environmentally sensitive sites on the property, although fertilizer applications near the ditch that runs along the front (south) of the property should only be made when heavy rain events are not expected.

This nutrient management plan is effective for three years and should a major renovation, redesign of the lawn or any major changes to maintenance practices occur please contact your local Master Gardener program to address these changes in the plan. Applications of inorganic fertilizers will not occur on frozen or snow-covered ground. Any fertilizer that makes its way onto impervious surfaces should be swept or blown back into pervious turfgrass-covered areas. Do not use fertilizers as ice melt. Every fertilizer application should be recorded in the record sheet provided. Any questions or concerns with fertilizer products or record keeping should be brought to the plan writer's attention.

	Killing Frost Dates	Cool Season Applications	Warm Season Applications
Spring	April 15	February 1	April 15
Fall	November 5	December 15	October 5

2. Site Maps Overview Map: Location and Boundaries



Management Areas

Individual Management areas are outlined. Red= Lawn



3. Soil Test Results

<u>Sample Text</u> – Several sub-samples were taken from the entire lawn area from the upper 4" of soil. These sub-samples were taken in a random manner, such as a zigzag pattern to minimize the variability that is present in the sampling area. When sufficient sub-samples from a uniform area were taken they were thoroughly mixed, breaking apart clumps and removing all foreign matter such as roots, stalks, rocks, etc. Because of similar soil and fertility conditions seen in the lawn the entire area is treated as a single management area.

Soil samples were analyzed by Virginia Tech Soil Testing Lab. Standard soil test results provide values for pH, cation exchange capacity, phosphorus, calcium, magnesium, potassium, sodium. The soil samples collected are valid for the life of this plan (three years) or upon a major renovation or redesign of the lawn, whichever occurs sooner.

A. Lawn

<u>Sample Text</u> Soil pH measures 5.0. No lime is recommended. Phosphorus levels averaged in the High + range. Applications of phosphorus are not recommended. Potassium levels averaged in the Low range. Applications of potassium are recommended, not to exceed 2.5 lbs/1,000 ft² annually. Nitrogen applications may not exceed 3.5 lbs/1,000 ft² annually.

4. Soil Test Summaries

Managed Area	Soil pH	Buffer pH	Lab P₂O₅ (Ibs/A)	VT P (ppm)	VT (H/M/L)	Lab K₂O (Ibs/A)	VT K (ppm)	VT (H/M/L)
Lawn	6.9	6.52	108	54	H+	26	13	L
Recommendation					H+			L

5. Nutrient Application Worksheets

Applications outlined in the application worksheet will be made each year (2014-2019)

R. Jones			
Management Area	-	Area (Sq. Ft.)	-
Turf Species	-		
Application Timing	N/1,000 ft ²	P ₂ O ₅ /1,000 ft ²	K ₂ O/1,000 ft ²
March*	-	-	-
April*	-	-	-
September	-	-	-
October	-	-	-
November	-	-	-
Total	-	-	-

A. Lawn Worksheet (Preventative Crabgrass Plan)

Notes:

- <u>Sample Text</u> *The two spring applications of nutrients are recommended as a part of an herbicide program. These applications should be made using a fertilizer product that has 0 phosphorus and contains some type of crabgrass pre-emergent herbicide. If it is deemed the herbicide program is not necessary, please follow application worksheet B. below. If you have any questions please contact your local Master Gardener program.
- <u>Sample Text</u> The fertilizer used must contain sources of slow or controlled release fertilizer. This information will be present on the fertilizer label.

B. Lawn Worksheet

R. Jones			
Management Area:	-	Area (Sq. Ft.)	-
Turf Species:	-		
Application Timing	N/1,000 ft ²	P ₂ O ₅ /1,000 ft ²	K ₂ O/1,000 ft ²
March*	-	-	-
September	-	-	-
October	-	-	-
November	-	-	-
Total	-	-	-

Notes:

- <u>Sample Text</u> *Only make this application if necessary
- <u>Sample Text</u> The fertilizer used must contain sources of slow or controlled release fertilizer. This information will be present on the fertilizer label.

			Management Area:	
Date of Application (M/D/Y)	Applicator	Fertilizer Analysis (ex. 10-0-10)	Rate of Total Product per 1,000 ft ²	Total Amount of Product Used (For Entire Area)