

## **Pine Thinning Pre-Harvest Plan**

**February 7, 2019**

**Landowner: City of Williamsburg**  
**Address: 401 Lafayette Street, Williamsburg, VA 23185**  
**Tract Number: YOR 13001-2**  
**Acreage: 34 acres +-**  
**Location: GPIN #s D17d-4411-0443**  
**Prepared by: City of Williamsburg**

This Pre-harvest Plan has been prepared to enable any and all timber harvesting of this property to be in compliance with Virginia's Silvicultural Water Quality Law (§10.1-1181.1 through 10.1-1181.7, Code of Virginia). In addition, compliance with this Plan will also prevent possible violation of Virginia's "Debris in Streams" Law (§62.1-194.2, Code of Virginia).

The recommendations within this Plan should follow the guidelines outlined within the Virginia Department of Forestry's Forestry Best Management Practices (BMPs) for Water Quality Fourth Edition manual. The location of haul roads, log decks, skid trails, culverts, and other constructed features necessary for timber harvesting are approximate. The location of these BMP's will depend upon the characteristics of each logging operator, and can be modified through consultation with local VDOF personnel. Any changes in this Plan must also meet the standards of the BMP program, and should be noted in an amended Plan.

Thinning operations shall be done by a combination of corridor and selective thinning techniques. Tree stumps shall be left in place and shall be no higher than 6 inches above ground level. At least 200 of the best crop pine trees per acre shall be left upon completion.

### RECOMMENDATIONS (see attached drawing):

#### Haul Road Layout:

Use existing roads located throughout the entire property. When a road does not exist, use high ground and follow contour to minimize erosion problems. Control the flow of surface water on roads by using a combination of appropriate road cross-section and water diversion structures within the roadbed itself.

#### Landings/Log Decks:

Locate landings/log decks as shown on the attached drawing.

Skid Trails:

Brush out skid trails with tree tops as needed and drive on tops. Locate trails parallel with main roads to minimize visual effects.

Water Bars:

Upon completion of skidding activity, water bars should be installed immediately in areas subject to erosion.

Stream Crossings:

There are no streams located within the project area.

Streamside Management Zones(SMZ):

There are no SMZ within the project area.

Adjacent Property Buffers:

Thinning is proposed within the 25 foot buffers along the neighbor's property lines that are located along the south and west portion of the project area. This will retain 50% of the canopy cover and allow the remaining trees to develop into a healthier stand of trees. The remaining trees in the buffer will not be harvested when the remainder of the land is clear cut in the future.

Disturbed Area Stabilization & Revegetation:

Seed and straw all areas that have exposed bare soil.

Recommended close out requirements:

- Re-grade skid trails to eliminate rutting and seed.
- Re-grade haul roads as necessary to leave in a condition equal to pre-cutting condition and seed.
- Windrow woody debris from decking area, and re-grade and re-seed decking area.
- Install water bars on roads and skid trails as necessary.
- Open ditches and turnouts.