

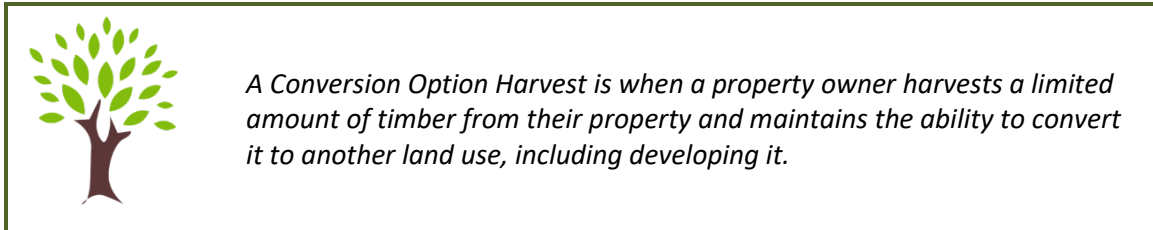
## 6.7

### Level VI (6) Soil and Vegetation Plan

#### **REQUIRED FOR:**

Conversion Option Harvests (timber harvesting).

**PROFESSIONAL FORESTER:** Required.



#### **REQUIRED ELEMENTS:**

##### **Tree, Soil, and Native Vegetation Report:**

###### *Existing Conditions and Project Narrative:*

- Narrative detailing the project scope, including the amount in square feet of land disturbance; desired outcomes; and anticipated impacts to existing soils, native vegetation, and/or trees.
- Narrative detailing existing soil conditions, including:
  - Underlying soils on the site utilizing soil surveys, soil test pits, soil borings, or soil grain analyses (soils report findings from a professional soil scientist for a Drainage Control Plan may be used to fulfill this requirement)
  - Existing soil compatibility for tree and native vegetation retention
  - Near-term and long-term impacts to soils by the proposed construction activity and resulting new development, including, but not limited to, changes in land use, site topography, and/or hydrology
- Narrative description of existing forest types, including distribution, species, and condition of native vegetation
- Narrative description of the distribution and species of invasive vegetation
- Forest Inventory: a statistically accurate inventory and a stand stocking table showing the number of trees per acre, basal area per acre, and volume per acre by species and 6-inch diameter class
- Narrative description of the proposed harvesting method
- Tree stand stocking table showing the volume, number, basal area, and species of trees proposed for removal
- Construction Stormwater Pollution Prevention Plan (C-SWPP)
- Slash abatement plan pursuant to the Olympia Fire Department standards

###### *Planting and Mitigation:*

- Narrative description and detail(s) showing any site preparation, installation, maintenance, and/or mitigation measures necessary for the long-term establishment and growth of newly installed trees

and other plant material, including, but not limited to: remediation of compacted or contaminated soils, removal of invasive species, planting of native understory vegetation, and/or restorative tree pruning or care

- Type, quantity, and distribution of soil amendments or other soil improvements
- Location, size, species, and quantity of trees and plant material to be installed
- Timeline for site preparation, installation, and maintenance of soils, trees, and plant material
- Cost estimate for the purchase, installation, and three (3) years of maintenance for soils, trees, and plant material
- Tree density calculations, including: buildable area of the site and subsequent required minimum tree density; number of trees and tree units proposed for retention; and number of trees and tree units proposed for installation

### **Site Maps:**

*Existing Conditions and Project Proposal (surveyed and drawn to scale):*

- Property lines, parcel numbers, and ownership
- Existing grades, proposed grades, and construction stormwater pollution prevention measures
- Location and footprint of existing structures, paved and hard surfaces, stormwater facilities, and any other improvements
- Limits of clearing and harvesting
- Location of any critical areas or buffers (as defined in Olympia Municipal Code Chapter 18.32)
- Location of soil logs (Soil log locations on Drainage/Grading/Earthwork drawings for a Drainage Control Plan will fulfill this requirement)
- Forest Inventory:
  - Existing vegetation types delineated by forest type
  - Location of trees proposed for removal
  - Location of perimeters of groves of trees and individual trees on adjacent property which may be impacted by the proposed activity
  - Location of any Landmark trees (as defined in Olympia Municipal Code Chapter 16.56)
- Location of harvesting skid roads and landings

*Tree and Vegetation Replacement Planting Plan (drawn to scale):*

- Location, size, species, and quantity of trees and other plant material to be installed
- Details for site preparation, installation, and long-term establishment measures
- Timeline for site preparation, installation, and long-term establishment measures
- Tree density calculations, including: buildable area of the site and subsequent required minimum tree density; number of trees and tree units proposed for retention; and number of trees and tree units proposed for installation