

STATEMENT OF WORK
Tree/Shrub Establishment (612)
Washington

These deliverables apply to this individual practice. For other planned practice deliverables refer to those specific Statements of Work.

DESIGN

Deliverables:

1. Design documents that demonstrate criteria in NRCS practice standard have been met and are compatible with planned and applied practices.
 - a. Practice purpose(s) as identified in the conservation plan
 - b. List of required permits to be obtained by the client
 - c. Practice standard criteria-related computations and analyses to develop plans and specifications including but not limited to:
 - i. Determination of adapted species of woody plants to be planted and/or naturally reestablished
 - ii. Protective measures for planted stock including supplemental water, cultural treatments to enhance survival and health, and use exclusion
 - iii. Additional provisions, as required, for improving or restoring natural diversity and increasing carbon storage in biomass and soils
2. Written plans and specifications including sketches and drawings shall be provided to the client that adequately describes the requirements to install the practice and obtain necessary permits.
3. Documentation of needed operation and maintenance.
4. Certification that the design meets practice standard criteria and comply with applicable laws and regulations.
5. Design modifications during installation as required.

Note: Incorporate compliance with all federal, state, local and/or tribal laws, regulations and permitting requirements within the practice design. Use approved jobsheets, specification worksheets, planner's guidance, technical notes and practice standard references as appropriate. Include required documentation within Practice Documentation Requirement form. Use Forestry Technical Note 10 Stand Density Guide for minimum reforestation stocking rates.

INSTALLATION

Deliverables

1. Pre-application conference with client **where site specific specifications are reviewed.**
2. Verification that client has obtained required permits.
3. Staking and layout according to plans and specifications including applicable layout notes.
4. Application guidance as needed.
5. Facilitate and implement required design modifications with client and original designer. **Provide As-Built (Installation) notes and modifications.**
6. Advise client/NRCS on compliance issues with all federal, state, tribal, and local laws, regulations and NRCS policies during installation.
7. Certification that the application process and materials meet design and permit requirements.

Note: Document meetings. Provide maps, photos, video or drawings of treatment area. Provide all other implementation notes and issues. Document the effectiveness of treatment to achieving the purpose.

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CHECK OUT

Deliverables

1. Records of application.
 - a. Extent of practice units applied
 - b. Actual plant materials used and protective measures
2. Certification that the application meets NRCS standards and specifications and is in compliance with permits.
3. Progress reporting.

Note: *Provide NRCS with completed & signed Documentation Requirement form, As-Builts and all other support documentation*

REFERENCES

- NRCS Field Office Technical Guide (eFOTG), Section IV, Conservation Practice Standard – Tree/Shrub Establishment, 612
- NRCS National Forestry Handbook (NFH), Part 636.4
- NRCS National Environmental Compliance Handbook
- NRCS Cultural Resources Handbook

Note: *NRCS Washington, FOTG Section 1: Forestry Technical Note 10 Forest Stand Density Guide.*

Devine, W. D. et al. Planting Native Oak in the Pacific Northwest. 2010 USDA/USFS, Pacific Northwest Research Station. PNW-GRT-804.

Hanley, D. P. et al, Silviculture for Washington Family Forests. 2005. WSU Cooperative Extension EB2000.

McPherson, E. Gregory; Simpson, James R.; Perper, Paula J.; Maco, Scott E.; Gardner, Shelley L.; Cozad, Shauna K.; Xiao, Qingfu 2006. Midwest community tree guide: benefits, costs, and strategic planting. USDA Forest Service General Technical Report PSW-GTR-199, p. 1-99.

Pacific Northwest Weed Management Handbook: <http://pnwhandbooks.org/weed/>

Randall, W.K. et. al., Washington Tree Seed Transfer Zones. 2002, Washington Department of Natural Resources: http://www.dnr.wa.gov/ResearchScience/Topics/ForestResearch/Pages/Im_tree_seed_zones.aspx

Scianna, J. D. et. al., Temporary Storage and Handling of Container, Bareroot and Cutting Stock. 2005. MT Plant Materials Technical Note MT-51 or ID Plant Materials Technical Note 45.

Scianna, J. D. et al. Proper Installation, Maintenance, and Removal of Rigid Seedling Protector Tubes. 2004. Idaho Plant Material Technical Note 46.

USDA Plants Database: <http://plants.usda.gov/>

USDA/USFS. The Woody Plant Seed Manual. Agriculture Handbook 727. 2008.

USDA/NRCS Montana Plant Materials Program, Hand-Planting Guidelines for Bareroot Trees and Shrubs.

USDA/NRCS Montana Plant Materials Program, Planting Guidelines for Containerized and Balled&Burlapped Stock.

USDA/NRCS Washington Plant Materials Program, Riparian Revegetation—Plants. 2005. Washington Plant Materials Technical Note 10.

WSU Cooperative Extension. Forest Tree Nurseries in Washington and Adjacent States. EB 0790.