

## **Attachment A - Rogers Stewardship-Specifications for Service Activities**

**Introduction:** The objectives are to construct fireline and to increase tree growth on 64 acres. This work is needed to reduce the risk of high intensity wildfire within the wildland urban interface. In addition Noxious weeds will be treated to allow for native plants to prosper.

### **Mandatory Stewardship Project Number 003 - Fireline Construction**

The end result is establishment of control lines for prescribed burning at locations designated on the ground by the Forest Service. Control lines and clearing limits shall be adequately cleared of ladder fuels, slash, vegetation, and other flammable debris, while minimizing soil disturbance. The Contract Map specifies the locations for fireline construction.

Hand fireline - 15,363 feet  
Machine fireline - 8,914 feet

### **Mandatory Stewardship Project Number 004 - Pre-commercial Thinning (PCT)**

The end result is to have an average tree spacing of 16 feet of the largest, most fire resistant conifer species with the most desirable characteristics. Shrubs would be less than 48 inches tall and all fuels (created and existing) would be treated to protect the stand from wildfire.

Units: A and B

### **Mandatory Stewardship Project Number 005 - Noxious Weed Spraying**

The end result is to have native and other desirable plant species exist and thrive on and adjacent to disturbed area by treating known areas of noxious weeds, before haul and a second and/or third spot treatments may be necessary, following further evaluation. Noxious weed treatment to target weed species include Stevens County A, B, B designate and C class weeds.

### **GENERAL SPECIFICATIONS FOR ALL PROJECTS**

The Contractor may use yarding equipment, mechanical treatments, hand treatments, or other methods to reduce slash and the related fire hazard and resistance to control. Possible options are, but are not limited to, in place slash treatments such as lop and scatter, or walking over slash with equipment, piling, chipping or grinding, and removal.

The Forest Service has identified all commercial timber unit boundaries on the ground with flagging, tags and paint on boundary trees. The outside boundary lines for the other units have been flagged and tagged. No internal boundaries within the other units have been, nor will they be flagged by the Forest Service, but the Forest Service SHALL approve any boundaries suggested by the operator before work in those units can be started.

### **DEFINITIONS**

Calendar Days: Every: day shown on the calendar, Saturdays, Sundays and holidays included.

Contract Administrator: The on-site contract administrator for the Mandatory and Option work items who represents the Contracting Officer. The duties and

responsibilities of the CA are defined in the letter of designation issued by the Contracting Officer.

Contract Time: See Period of Performance.

Damage: Defect or deformity of a tree resulting from agents such as wind, snow, animals, insects, disease, and equipment, and evidenced by such things as dead or broken tops or trunks, crooks, and deep scars or damage to the bark on more than ¼ of the circumference of the tree.

Designation of Sawtimber: In all timber harvest units sawtimber has been designated for cutting with a blue paint band at, or above, DBH and a butt mark below stump height; or designated as leave trees with an orange paint band at, or above, DBH and a butt mark below stump height. Merchantable trees to be removed in the Optional Units will be designated by the Contractor as per specifications supplied by the Forest Service.

DBH (Diameter Breast Height): A point on the bole of a tree 4.5 feet above the ground measured on the up hill side.

Leave Trees: Trees not designated for removal or other prescribed treatment.

Period of Performance: (also Performance Period or Contract Time). The number of calendar days allowed in the contract for completion of contract work.

Quality Assurance: The actions taken by the Government to assess the results to determine that they meet contract requirements. The methods for quality assurance are described in the Quality Assurance Surveillance Plan (QASP).

Quality Control: Those actions taken by a Contractor to control the production of outputs to ensure that they conform to the contract requirements.

Slash (existing and created): Boles of cut trees, tops and/or limbs created by the Contractor's operations are created slash. Existing includes all woody material already dead on site which has to be treated to meet the end results.

Ladder Fuel Reduction: Cutting and/or removal of small diameter (<5.0 DBH) trees growing under other more desirable trees to reduce risk of fire moving from the ground to the tree crowns.

Lop and Scatter: An intermediary treatment conducted prior to piling, underburning, or jackpot burning. Lop and scatter consists of bucking and possibly limbing of trees to increase fuel consumption during burning, reduce the height of the residual slash in the unit, or to facilitate piling or decomposition.

Thinning: The process of selecting and leaving the largest, most fire resistant trees (including those showing good health characteristics), to meet the average spacing rate listed for the units.

Trees that are selected to be left to meet the stocking level specified shall be desirable leave trees. The Contractor shall first select the most desirable species of trees as defined in item 1 below. The Contractor shall then select the most desirable leave trees as defined in item 2 below. In areas where there are not enough trees with the most desirable characteristics available to meet the specified stocking level, the Contractor shall select less desirable leave trees listed in item 2.

1. Desirable Species - the most fire tolerant defined as follows: Ponderosa pine, white pine, western larch, Douglas fir, lodgepole pine and others in this order of preference. Criteria for selection between species is as follows, preferred species that are at least half the height of a less preferred species will be left as the leave tree, given desirable tree characteristics are present.

2. Most Desirable Leave Trees: Trees that possess the following characteristics shall be the first choice for desirable leave trees:

a. Dominant Trees: Trees which are taller on the average when compared to other trees in the unit. These trees are not severely suppressed.

b. Co dominant Trees: Trees that are taller on the average when compared to other trees in the unit. These trees are not severely suppressed.

c. Healthy Foliage: Foliage shall be dark green in color with a full crown over one third or more of the trees.

d. Straight Bole: The bole or stem of the tree shall be relatively straight. Trees shall have a single branch terminal.

e. Free of Physical Damage: Trees shall not have physical damage from fire, animals or weather on more than one-fourth of the circumference of the bole or more than three feet of length of the bole.

f. Free of Disease Damage: Trees shall not have disease damage such as dwarf mistletoe, gall rust, peridermium cankers and stalactiform rust. Symptoms of gall rust are galls on the branch and stem. Symptoms of peridermium cankers are the presence of cankers on the bole and branches. Symptoms of stalactiform rust are elongated, diamond-shaped cankers and associated resin.

g. Free of Insect Damage: Trees shall not have insect damage from Mountain Pine Beetles and Ips Beetles. Symptoms of Mountain Pine Beetles are small red to yellowish pitch tubes (less than one-fourth inch) and boring dust in bark crevices and round the base of the tree. Symptoms of Ips Beetles are dead tops and group killings without pitch tubes.

3. Less Desirable Leave Trees: When the prescribed stocking level of most desirable leave trees cannot be achieved with trees that possess the most desirable characteristics, the Contractor shall select trees with less desirable characteristics in the priority listed below:

a. Minor Defect: Trees with minor defect such as a sharp crook or a small amount of animal damage.

b. Suppressed Trees: Trees that have been severely suppressed. Extremely short or nonexistent internodes, twisted gnarled stems, or an extreme sparseness of foliage usually characterizes them.

c. Other Live Trees: Trees other than insect or disease damaged trees with  $\frac{1}{4}$  live crown.

d. Forked Trees: Those trees with two or more terminal leaders.

e. Physical Damage: Trees that have physical damage on half or more of the bole circumference and greater than three feet in length. Physical damage may be caused by equipment, falling trees, lightning, wind, animals, etc.

Piling: Creating clean, burnable piles from fuel materials on site.

Chipping and Grinding: Use of mechanized equipment to reduce slash and non-merchantable material to a size which will meet local mill utilization standards and then are hauled off site.

Spacing: The horizontal distance from the trunk of one leave tree to the trunk of the next nearest leave tree. Average spacing is calculated from the leave trees per acre.

Stream course: The area along a stream with riparian vegetation and other riparian characteristics. Stream courses are noted on the Contract Area Map.

Whip felling: The cutting of all trees in the mandatory units which are not designated to leave, do not meet AT.2 specifications, are not included as KT-CT2.11 material for removal or are taller than 24 inches in height above the ground.

#### CONTRACTOR WORK REQUIREMENTS AND STANDARDS

Road Access: The Contractor may access the units from forest roads indicated on Contract Area Map. Some units require the Contractor to walk; access is to the access point noted on project map.

Walk-in areas: n/a

Locked gates: In cases where units are behind locked gates, the Contractor shall close and lock gates after entering or exiting each gate and will be subject to all other restrictions of administrative use. The Contractor shall be permitted to drive from the locked gate to the unit with only the minimum number of vehicles necessary for efficient transport of the crew and equipment as well as product removal.

Tree Removal: All Included Timber agreed to will be designated, cruised and paid for before cutting and/or removal.

Leave trees: 1) All snags that do not pose a hazard to operations as defined by the Washington State Labor and Industry standards, or are not identified for removal in the fireline construction end products specifications shall be considered leave trees and left uncut. 2) all designated leave trees both in the treatment units and in the Optional Units shall be left uncut and undamaged. Operations shall be conducted in such a manner so as to not damage any leave trees during operations. See the contract provisions for penalties related to damage and/or cutting of commercial timber within the project area.

Unless otherwise approved by the Contracting Officer, all non-merchantable trees removed under the Mandatory and Optional work items shall be completely severed below the lowest live limb and within six (6) inches of the ground at an angle parallel to the slope, except when prevented by natural obstacles. A live limb is a limb of any size that has green needles attached. Cut trees shall be secured so they do not roll down hill and shall not be hung up on other trees or vegetation.

Slash Treatment: Treatments of slash is to include slashing, bucking, dispersion, commercial off-site removal, chipping, or piling.

Mandatory Slash treatment shall be concurrent and progressive with the harvesting.

Slash created and/or trees dropped by the Contractor's operations shall not be left outside the unit boundaries unless agreed to in writing by the Forest Service.

Resource Protection: The Contractor shall exercise extreme care to prevent damage to existing facilities, developments, and resources in all aspects of the contract work.

#### CONTRACTUAL ARRANGEMENT

(a) This is a Task Order contract for the Optional services specified and effective for the period stated in the Contractor's Proposal and made a part of this contract. The quantities of services specified in the Schedule are estimates only and are not

purchased by this contract, except as orders are placed in accordance with the ordering clauses. Minimum and maximum quantity requirements, if any, are as stated in AT4.4 STEWARDSHIP CREDITS.

(b) Performance shall be made only as authorized by the Contracting Officer in writing in the form of a Payment Unit Release. Timber Removal activities within the Optional Units shall be scheduled and carried out in accordance with the Contractor's proposal, as approved by the Contracting Officer and in accordance with all relevant provisions of the 2400-13(T) Contract provisions.

(c) Subject to any limitations in this contract, the Contractor agrees to furnish to the Government the services specified in the Schedule and called for by Task Orders/Payment Unit releases, issued by the Contracting Officer. The Contractor shall furnish to the Government the services specified in AT4.4 STEWARDSHIP CREDITS, up to and including the quantity as shown in AT4.4.

(d) The Government will obtain performance of all services in the Schedule exclusively from the Contractor, until such time as the Government requires performance and the contractor is unable to provide.

#### ORDERING OF STEWARDSHIP CREDIT MANDATORY AND OPTION WORK ACTIVITIES.

(a) Authorized Ordering Officials: The following individuals are designated as Ordering Officials under this contract and are authorized to place orders within their respective levels of authority: Ed Maffei, Contracting Officer or his replacement.

(b) Ordering Procedure. The Government will determine which Stewardship Credit Work Activity Items are required and place Notice to Proceed orders with the Contractor to provide the item as specified. Reasonable time will be negotiated at time of order to allow for mobilization. Performance period will be agreed to at the time the contract is signed, based upon the RFQ, or as other wise mutually agreed at time of order.

(c) Contractor Obligation. Upon issuance of a Task Order/Payment Unit Release order, the order becomes a binding contract under all terms and conditions of this contract and the Contractor is obligated to meet the requirements of the order as accepted. Return of the signed order and/or delivery and operation of ordered equipment constitutes acceptance. Failure to accept a task order for Work Activities Items in the Schedule may constitute partial default of the contract.

(d) Documentation. Facsimile documentation of order and acceptance is acceptable insofar as the documentation thus received is clearly legible. Return of the signed task order to the Ordering Official, by hard copy or FAX, documents acceptance of the order.

#### INSPECTION AND ACCEPTANCE

##### A. UNSATISFACTORY PERFORMANCE

If the work is determined to have major defects, the Government will immediately notify the Contractor in writing and order improvement of the quality of future work. If the defects requiring action are not corrected within two consecutive workdays after receipt of notice in writing of unsatisfactory work, the Contractor's right to proceed may be suspended and the contract considered in breach. Repeated failure to

perform work at an acceptable quality level shall also be considered breach of contract.

#### **B. REWORK AND REINSPECTION AFTER REWORK**

When inspection results show a defect and the deficiency is correctable, payment will not be made until the deficiency has been corrected. Reinspection after rework will be made in the same manner as the first inspection.

#### **C. INSPECTION**

##### **CONTRACTOR QUALITY CONTROL PLAN**

###### **A. Quality Control Plan**

The Contractor shall provide a Quality Control Plan (QCP) as part of the technical proposal. The Plan must demonstrate how the Contractor shall assure that quality of performance meets the objectives and requirements of the contract. The QCP shall specify:

- How quality will be monitored to ensure performance standards are met.
- How the work will be supervised.
- How results of the monitoring will result in quality performance.
- Identify the personnel responsible for performing quality control.

###### **B. Contractor Quality Control Inspection**

The Contractor shall assure that performance meets contract specification prior to requesting the Government to inspect for payment or acceptance. Upon completion of a unit, the Contractor shall contact the Contract Administrator to set a mutually agreed upon date for inspection of completed work. The Contract Administrator may observe the Contractor's inspection at any time and shall otherwise have unlimited access to the inspection data.

##### **GOVERNMENT-QUALITY ASSURANCE SURVEILLANCE PLAN**

The Government will conduct inspections of each unit to determine work quality. Initial inspections will normally consist of a 100 percent visual inspection preferably in conjunction with the contractor or the contractor's field representative and will be based on adherence to contract technical specifications. If visual inspection shows that the work is inadequate, final inspections and payment will not be made until the deficiency has been corrected by the Contractor. It is clearly defined here to be the complete responsibility of the contractor to monitor all work and to request final inspections based upon their knowledge that the work has been complete to the contract defined specifications.

The Government will install a series of circular plots to determine final payment results. Plots will be randomly located throughout each sub-item to obtain a representative sample of the work. Plots may be established within units that are being worked on at option of the Government if needed to determine if work is actually within the contract defined limits. If these plots are found to be acceptable they, may be added to plots taken after the remaining portion of the unit is completed and used to determine the compliance rating/percentage for the unit.

Re-inspection of Thinning Upon Contractor Request

If original inspection results are unacceptable to Contractor and a second inspection is requested without rework, the same inspection procedure will be used following a different plotline. If the second inspection shows less than 5 percent variance from the first inspection, the Contractor shall pay the cost of the second inspection, and results of the second inspection will be used in determining payment. Re-inspection requests shall be in writing and submitted within three (3) calendar days of the original inspection notification.

## **MEASUREMENT AND PAYMENT**

### **MEASUREMENT**

The area to be treated is stated in AT.4.4. All linear and area measurements under this contract are measured on a horizontal plane within the established boundaries. Boundaries are marked with paint, flags and tags in the commercial units and flags and tags in the noncommercial units.

Re-measurement. The Contractor may at any time after award request re-measurement of any sub-item. The request must be in writing within 10 days after completion of a unit or pay item. The Government's re-measurement of the unit/sub item will be made within established boundaries.

If re-measurement indicates a variance of 5 percent or less in the acreage stated in the list of services, there will be no adjustment in acres and the Contractor shall pay for the actual cost of re-measurement.

If re-measurement results in a variance greater than 5 percent in the acreage stated in the list of services, payment shall be based on the re-measured acreage and the Government shall pay for the re-measurement.

The Government reserves the right to charge for cutting of designated reserve trees under the thinning tree selection criteria at the Damage tree rates as outlined in KT-GT.3.2

Acceptable Quality Level

Description	Defect		Allowable Defects		Required Action	
	Major	Minor	Major	Minor	Major	Minor
<b>Quality Control Plan</b>	Not following approved plan which may include monitoring, supervision, and personnel.	Not following approved plan which may include monitoring, supervision, and personnel.	0	0	Suspend work until in compliance	Suspend work until in compliance
<b>Stump Heights</b>	Heights exceeding 12 inches except next to obstructions.	Heights exceeding 6 inches except next to obstructions.	0	=<10% stumps/acre	Stump heights will be reduced to 6 inches	n/a
	Stumps contain lower live limbs.	n/a	0	n/a	Live limbs will be removed	n/a
<b>Machine Fireline</b>	Firelines not cleared to exposed mineral soil to a 2 foot minimum.	Firelines cleared to exposed mineral soil greater than 4 feet.	0	<50% of the segment length, none over 8 feet.	Widen to 2 feet minimum	Repair, reshape and stabilize
	Slash, brush or similar debris buried in or under berms created during the construction of fire lines <u>inside</u>	Slash, brush or similar debris buried in or under berms created during the construction of fire lines <u>outside</u> the unit.	0	<5% of the segment length	Remove buried debris	Sweeping and Spreading of berm

Description	Defect		Allowable Defects		Required Action	
	Major	Minor	Major	Minor	Major	Minor
	the unit.					
	Clearing not 10 foot wide inside of units and 5 foot on the outside edge of units as measured from the center line of the fire line.	n/a	0	n/a	Widen to minimum clearing width	n/a
	Slash not well dispersed outside clearing limits.	n/a	0	n/a	Disperse slash	n/a
<b>Hand Fireline</b>	Clearing not 10 foot wide inside of units and 5 foot on the outside edge of units as measured from the center line	n/a	0	n/a	Widen to minimum clearing width	n/a

Description	Defect		Allowable Defects		Required Action	
	Major	Minor	Major	Minor	Major	Minor
	of the fire line.					
	Firelines not cleared to exposed mineral soil to a 18 inches minimum.	Firelines cleared to exposed mineral soil greater than 24 inches.	0	none over 36 inches	Widen to 18 inches minimum	Repair, reshape and stabilize
	Slash, brush or similar debris buried in or under berms created during the construction of fire lines <u>inside</u> the unit.	Slash, brush or similar debris buried in or under berms created during the construction of fire lines <u>outside</u> the unit.	0	<5% of the segment length	Remove buried debris	Sweeping and Spreading of berm
<b>Precommercial Thinning</b>	Leave tree (>24 inches in height) spacing exceeds 25% variance and an average of 16 feet.	Leave tree spacing exceeds 25% variance and an average of 16 feet on an area less than 1 acre.	0	<10% of unit area	Correctable - re-work; Not correctable - payment will be made at 70% of unit price.	n/a

Description	Defect		Allowable Defects		Required Action	
	Major	Minor	Major	Minor	Major	Minor
	Shrubs greater than 48 inches tall not cut.		>5% of stems per acre	n/a	Cut shrubs less over 48 inches tall	n/a
<b>Noxious Weed Treatment</b>	Less than 80% of Class A, B, and B designate mortality or physical signs of treatment.	n/a	<b>0</b>	n/a	<b>Re-treat missed areas/plants</b>	