

PLAN AND SPECIFICATIONS
(Ref: CT6.74)

DESIGNATED PURCHASER WORK
(Umatilla National Forest Revision 4/00)

Spec Cross Ref Nos.	Work Item Identification	Map Symbol	ESTIMATED Amount of Work/Areas to be treated.
1	Grapple Slash Piling	GP	<u>410</u> acres within designated areas
4	Whole Tree Yard	WTY	<u>914</u> acres within designated areas
5	Fell Damaged Residuals	Map Note	<u>715</u> acres within designated areas
6	Treatment of Landing Slash (described by a map statement)	Map Note	All landings used or constructed by Purchaser
7	Treatment of logging slash with-in Specified and Existing Roads	Map Note	All logging slash within road clearing limits
8	Fireline Construction - Hand	HHHH	<u>4.1</u> miles within designated areas
8	Fireline Construction - Machine	TTTT	<u>.8</u> miles within designated areas

CT6.74 SPECIFICATION

1. GRAPPLE PILING OF SLASH

Purchaser shall grapple pile slash, with a "lift and pile" mechanism as opposed to the tractor method of "push and pile", within designated areas as indicated on the Sale Area/Slash disposal Map or by agreement between the FS and Purchaser. In units 43 & 62, purchaser shall grapple pile the entire unit. In units 46, 51, 52, 54, 55, 60, 72, purchaser shall "spot grapple pile" (approximately 10% of the total unit acres), concentrating in areas where there are few or no leave trees. These areas will be identified on the ground by the Sale Administrator and/or District Fuels personnel.

a. Specifications

In areas designated for grapple piling Purchaser shall pile slash between 1 and 10 inches d.i.b. (diameter inside bark) on the large end and between 2 and 30 feet in length. If sufficient fuels to construct a minimum pile do not exist within the working radius (50 feet from pile center) of the piling machine, the area will not be piled. Piles will be compact and contain a minimum amount of soil. Material protruding more than 6 feet from the perimeter of the pile will be cut off and placed on the pile. Piles will not exceed 12 feet in height and 10 feet in diameter and will not be less than 5 feet in height and 5 feet in diameter.

Dead and down woody materials at least 20 feet or more in length and at least 12" in diameter at the small end will be left undisturbed in its bed if possible, at the rate of an 15-20 down logs per acre. Slash that is on top of rotten logs will be removed so as to cause as little disturbance to the log as possible.

All burnable material will be removed from around the pile for a width of at least 6 feet. This is not intended to include duff and/or needles.

Piles will be located at least 25 feet from the drip line of leave trees (standing green or snags). Piles shall not be located on road surfaces, ditchlines, or bottoms of draws which carry water during periods of surface runoff.

b. Operating Restrictions

- (1) Equipment shall not operate on slopes that exceed 35% unless otherwise agreed.
- (2) Equipment shall operate on logging slash with no less than an average total fuel bed depth of eight inches. Should slash depth average be less than eight inches, equipment shall operate on approved skid trails. The objective is to not add additional soil disturbance or compaction than already exists in the area.
- (3) All refueling, maintenance, and repairs will be done at landings.

c. Equipment to be used for Piling

Equipment shall be track-mounted, capable of piling logging slash, and meet the following specifications:

- (1) Capability of reaching 25 feet with an effective reach of 15 feet.
- (2) Climbing ability up to 35% slope.
- (3) Pivot- Operator cab, engine, and arm shall be able to swing 360 degrees while tracks remain stationary.
- (4) Machine shall be equipped with bucket and thumb mechanism.
- (5) Equipment shall be as free of fluid leaks as possible and have hoses and hydraulics in good operating condition.
- (6) The cab/canopy shall be firmly secured to the machine and free of broken glass with metal screen over front window
- (7) Capable of picking up woody debris from 3"by 24" to 3' by 20'

4. WHOLE TREE YARDING

Tops and limbs will be left attached to the tree and yarded to the landing or other locations designated by the Forest Service and piled after being severed from the tree. All trees felled shall be yarded to landing.

5. FELL DAMAGED RESIDUAL

In cutting units designated on Sale Area Map purchaser shall fell all species **not** meeting utilization standards described in section AT2 that are damaged beyond recovery by the Purchaser's operations. Such trees shall be limbed to a stem diameter of approximately 3 inches, at which point the top shall be cut from the remainder of the stem. Unutilized portions shall be bucked into lengths shorter than 8 feet. Slash height shall not exceed 2 feet in depth.

6. LANDING SLASH

All slash created through the construction and use of the landing area will be machine or hand piled. All slash within 25 feet of the landing clearing will be included landing slash and be piled. Machine piles will be constructed with a brush blade or loader. Piles will be compact and free of soil. Piles will be located at least 50 feet from the dripline of live trees or regeneration.

7. SPECIFIED EXISTING ROADS

Logging slash located within the clearing limits of Specified roads will be treated in accordance with the slash cleanup methods of the Specified Road Plans. Logging slash within clearing limits of existing roads will be hand or machine piled at locations approved by Forest Service.

8. FIRELINE CONSTRUCTION

Purchaser shall construct firelines as designated on the Sale Area Map and Slash Disposal Map.

Fireline:

- a. **TRACTOR** firelines shall be cleared of all brush and debris, except duff layer, for a minimum width of 15 feet, and a maximum width of 30 feet. On the exterior edge of the cleared firelines, a continuous line, not

less than 3 feet wide and not more than 10 feet wide shall be cut to mineral soil. All cleared slash and debris shall be evenly distributed back into the cutting unit, and not concentrated along the fireline. No slash, brush, or similar debris that may hold fire shall be buried in or under berms created in the construction of firelines. Where identified by the Sale Administrator, water bars shall be constructed to minimize the erosion potential.

- b. **HAND** firelines shall be cleared of all brush and debris, except duff layer, for a minimum width of 15 feet. All cleared material shall be evenly distributed back into cutting unit, and not concentrated along the fireline. On the exterior edge of the cleared firelines, a continuous line, not less than 3 feet shall be cut to mineral soil. No slash, brush, or similar material that may hold fire shall be buried in or under berms created in the construction of firelines. Where identified by the Sale Administrator, water bars shall be constructed to minimize the erosion potential.
- c. Equipment to be Used for Tractor Fireline:
The tractor used to construct tractor firelines shall be track-mounted and meet the following minimum requirements.

Tractor

- 1) Shall not exceed 15 feet in width.