

U.S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE

TIMBER SALE CONTRACT

(Applicable to Sales to be Measured before Felling)

Name of Purchaser

National Forest

Wallowa-Whitman

Ranger District

La Grande

Region

Pacific N-West

Contract Number

Sale Name

B & B SBA

Award Date

Termination Date

10/31/2023

The parties to this contract are The United States of America, acting through the Forest Service, United States Department of Agriculture, hereinafter called Forest Service, and _____ hereinafter called Purchaser.

Forest Service having advertised a sale at which either (1) Purchaser, whose required bid deposit is now held by Forest Service as an initial deposit, was the successful bidder, or (2) no bids were received and Purchaser having subsequently offered at least the minimum advertised price and made an initial deposit in the same amount as the bid deposit specified in the sale advertisement; and the parties hereto desiring to record their agreement; now therefore,

Unless provided otherwise herein, Forest Service agrees to sell and permit Purchaser to cut and remove Included Timber and Purchaser agrees to purchase, cut, and remove Included Timber.

This contract consists of three Divisions: AT - Specific Conditions, BT - Standard Provisions, and CT - Special Provisions, together with Sale Area Map, Plans and specifications for developments (if any), and such attachments as may be provided for in Division CT. Specific Conditions are numbered and apply to the Part, Section, Subsection, or Item of the Standard Provisions, as indicated hereunder. Other conditions of this contract are stated in Division CT - Special Provisions.

IN WITNESS WHEREOF, the parties hereto have executed this contract as of the award date.

UNITED STATES OF AMERICA

Two Witnesses:^{1/}

(Name)

(Address)

(Name)

(Address)

By: _____
Contracting Officer

(Title)

By: _____^{2/}
(Purchaser)

(Title)

(Business Address)

I, ^{3/} _____, certify that I am the _____
Secretary of the corporation named as Purchaser herein; that _____
who signed this contract on behalf of Purchaser, was then _____
of the corporation; that the contract was duly signed for and in behalf of the corporation by authority of its governing body, and is
within the scope of its corporate powers.

**CORPORATE
SEAL** ^{4/}

INSTRUCTIONS:

- 1/ The signatures and addresses of two witnesses are required if Purchaser is other than a corporation.
- 2/ If Purchaser is a co-partnership, the signatures should be: XYZ Company, by John Doe, a member of the firm. If Purchaser is a corporation, form of signature should be: XYZ Company, by John Doe, President (or other officer or agent) and the seal of the corporation must be impressed or indicated.
- 3/ The certificate must be completed if Purchaser is a corporation.
- 4/ If the corporation has no corporate seal that fact shall be stated, in which case a scroll or adhesive seal shall follow the corporate name.

EXAMPLE 1/

Subcontractor Certification

Regarding Debarment, Suspension, Ineligibility, and Voluntary Exclusion

Timber Sale Name: _____
National Forest: _____

The prospective subcontractor (participants in lower tier covered transactions) certifies, by submission of this proposal, that neither it nor its principals is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this timber sale by any Federal department or agency.

Where the prospective subcontractor is unable to certify to any of the statements in this certification, such prospective subcontractor shall attach an explanation to this proposal.

Name of Subcontractor: _____
Business Address: _____

Date

Signature

1/ It is the Purchaser's responsibility to have subcontractors complete this certification and to maintain a file of completed certifications. This certification does not need to be returned to the Forest Service, except at the written request of the Contracting Officer.

The following conditions apply to the indicated portions of Division BT - Standard Provisions issued June 2006.

AT1 - Location and Area, applicable to BT1.1

This Sale Area of 3200 acres more or less is located in:
T.5.S. R.37E Sections 26,27,28,29,32,33,34,35 and T.6S. R.37E. Sections 2,3,4,5 Willamette Meridian

AT2 - Volume Estimate and Utilization Standards, applicable to BT2.1, BT2.2, BT2.4, and BT6.4

Species	Product	Estimated Quantity *	Unit of Measure	Minimum Specifications				
				Merchantable Tree		Piece Required to be Removed		
				Diameter Breast High (d.b.h.) (inches)	Number of Minimum Pieces per Tree	Length (feet)	Diameter Inside Bark at Small End (inches)	Net Scale in % of Gross Scale
Lodgepole Pine and Other Coniferous Species	Sawtimber	10,537.00	CCF	7.0	1	8	5.0	40
Lodgepole Pine	Grn Bio Cv	3,136.00	CCF	4.0	1	12	3.0	N/A
White Fir and Other Coniferous Species	Grn Bio Cv	351.00	CCF	5.0	1	12	3.0	N/A
Total Quantity		14,024.00	CCF					

* Quantities not included here are described in BT2.4.

AT3- Timber Designations, applicable to BT2.3; acres are approximate:

	Number	Acres
Clearcutting Units (BT2.31)		
Specified Road Clearing (BT2.32)		
Overstory Removal Units (BT2.33)		
Understory Removal Units (BT2.34)		
Individual Trees (BT2.35)		901
Incompletely Measured Payment Units (BT2.36)		

AT4 - Timber Payment Rates, applicable to BT3.1 and BT4.0

AT4a - For Species and Products to be Paid for at Rates Escalated under BT3.2

Species	Product	Unit of Measure	Rates per Unit of Measure					Base Index
			Base \$	Advertised \$	Bid Premium \$	Bid (Tentative) \$	Required Deposits Slash Disposal \$	
Lodgepole Pine and Other Coniferous Species	Sawtimber	CCF	1.00	16.26			1.24	244.54

AT4b- For Species and Products to be Paid for at Flat Rates

Species	Product	Unit of Measure	Rates per Unit of Measure				
			Base \$	Advertised \$	Bid Premium \$	Bid (Flat) \$	Required Deposits Slash Disposal \$
Lodgepole Pine	Grn Bio Cv	CCF	.25	.25			1.24
White Fir and Other Coniferous Species	Grn Bio Cv	CCF	.25	.25			1.24

For purposes of convenience in collection and bookkeeping, Bid Rates stated in AT4 include payment of deposits for sale area betterment required pursuant to 16 USC 576b. Such deposits are not included as Required Deposits defined hereunder.

AT4c - Schedule of Payment Units

Payment Unit No.	App rox. Acres	Quantity of Species and Products to be Escalated under AT4a	Total Tentative Payment \$	Quantity of Species and Products to be Paid for at Flat Rates under AT4b	Total Flat Rate Payment \$	Total Required Deposits for Slash Disposal \$
55	103	Lodgepole Pine and Other Coniferous Species <i>Sawtimber</i> 1,307.00 CCF		Lodgepole Pine Grn Bio Cv 399.00 CCF White Fir and Other Grn Bio Cv 24.00 CCF Coniferous Species		2,145.20
		Total PU Quantity And Value 1,307.00 CCF		Total PU Quantity And Value 423.00 CCF		
55A	68	Lodgepole Pine and Other Coniferous Species <i>Sawtimber</i> 565.00 CCF		Lodgepole Pine Grn Bio Cv 159.00 CCF White Fir and Other Grn Bio Cv 70.00 CCF Coniferous Species		984.56
		Total PU Quantity And Value 565.00 CCF		Total PU Quantity And Value 229.00 CCF		
55B	23	Lodgepole Pine and Other Coniferous Species <i>Sawtimber</i> 292.00 CCF		Lodgepole Pine Grn Bio Cv 89.00 CCF White Fir and Other Grn Bio Cv 5.00 CCF Coniferous Species		478.64
		Total PU Quantity And Value 292.00 CCF		Total PU Quantity And Value 94.00 CCF		
55C	80	Lodgepole Pine and Other Coniferous Species <i>Sawtimber</i> 665.00 CCF		Lodgepole Pine Grn Bio Cv 187.00 CCF White Fir and Other Grn Bio Cv 83.00 CCF Coniferous Species		1,159.40
		Total PU Quantity And Value 665.00 CCF		Total PU Quantity And Value 270.00 CCF		
55D	15	Lodgepole Pine and Other Coniferous Species <i>Sawtimber</i> 125.00 CCF		Lodgepole Pine Grn Bio Cv 35.00 CCF White Fir and Other Grn Bio Cv 15.00 CCF Coniferous Species		217.00
		Total PU Quantity And Value 125.00 CCF		Total PU Quantity And Value 50.00 CCF		
56	158	Lodgepole Pine and Other Coniferous Species <i>Sawtimber</i> 2,005.00 CCF		Lodgepole Pine Grn Bio Cv 612.00 CCF White Fir and Other Grn Bio Cv 38.00 CCF Coniferous Species		3,292.20
		Total PU Quantity And Value 2,005.00 CCF		Total PU Quantity And Value 650.00 CCF		
57	70	Lodgepole Pine and Other Coniferous Species <i>Sawtimber</i> 888.00 CCF		Lodgepole Pine Grn Bio Cv 271.00 CCF White Fir and Other Grn Bio Cv 17.00 CCF Coniferous Species		1,458.24
		Total PU Quantity And Value 888.00 CCF		Total PU Quantity And Value 288.00 CCF		

Payment Unit No.	App rox. Acres	Quantity of Species and Products to be Escalated under AT4a	Total Tentative Payment \$	Quantity of Species and Products to be Paid for at Flat Rates under AT4b	Total Flat Rate Payment \$	Total Required Deposits for Slash Disposal \$
58	17	Lodgepole Pine <i>Sawtimber</i> 141.00 CCF and Other Coniferous Species		Lodgepole Pine Grn Bio Cv 40.00 CCF White Fir and Other Grn Bio Cv 18.00 CCF Coniferous Species		246.76
		Total PU Quantity And Value 141.00 CCF		Total PU Quantity And Value 58.00 CCF		
59	208	Lodgepole Pine <i>Sawtimber</i> 2,639.00 CCF and Other Coniferous Species		Lodgepole Pine Grn Bio Cv 805.00 CCF White Fir and Other Grn Bio Cv 49.00 CCF Coniferous Species		4,331.32
		Total PU Quantity And Value 2,639.00 CCF		Total PU Quantity And Value 854.00 CCF		
60	49	Lodgepole Pine <i>Sawtimber</i> 622.00 CCF and Other Coniferous Species		Lodgepole Pine Grn Bio Cv 190.00 CCF White Fir and Other Grn Bio Cv 12.00 CCF Coniferous Species		1,021.76
		Total PU Quantity And Value 622.00 CCF		Total PU Quantity And Value 202.00 CCF		
61	48	Lodgepole Pine <i>Sawtimber</i> 609.00 CCF and Other Coniferous Species		Lodgepole Pine Grn Bio Cv 186.00 CCF White Fir and Other Grn Bio Cv 11.00 CCF Coniferous Species		999.44
		Total PU Quantity And Value 609.00 CCF		Total PU Quantity And Value 197.00 CCF		
61A	21	Lodgepole Pine <i>Sawtimber</i> 259.00 CCF and Other Coniferous Species		Lodgepole Pine Grn Bio Cv 102.00 CCF White Fir and Other Grn Bio Cv 4.00 CCF Coniferous Species		452.60
		Total PU Quantity And Value 259.00 CCF		Total PU Quantity And Value 106.00 CCF		
61B	17	Lodgepole Pine <i>Sawtimber</i> 171.00 CCF and Other Coniferous Species		Lodgepole Pine Grn Bio Cv 22.00 CCF White Fir and Other Grn Bio Cv 2.00 CCF Coniferous Species		241.80
		Total PU Quantity And Value 171.00 CCF		Total PU Quantity And Value 24.00 CCF		
61C	21	Lodgepole Pine <i>Sawtimber</i> 211.00 CCF and Other Coniferous Species		Lodgepole Pine Grn Bio Cv 27.00 CCF White Fir and Other Grn Bio Cv 2.00 CCF Coniferous Species		297.60
		Total PU Quantity And Value 211.00 CCF		Total PU Quantity And Value 29.00 CCF		

Pay-ment Unit No.	App rox. Acres	Quantity of Species and Products to be Escalated under AT4a	Total Tentative Payment \$	Quantity of Species and Products to be Paid for at Flat Rates under AT4b	Total Flat Rate Payment \$	Total Required Deposits for Slash Disposal \$
61D	3	Lodgepole Pine <i>Sawtimber</i> 38.00 CCF and Other Coniferous Species		Lodgepole Pine Grn Bio Cv 12.00 CCF White Fir and Other Grn Bio Cv 1.00 CCF Coniferous Species		63.24
		Total PU Quantity And Value 38.00 CCF		Total PU Quantity And Value 13.00 CCF		

The following definitions are established for the terms used in AT4:

Base Rates are the lowest rates of payment for timber that are authorized by this contract. Base Rates remain constant throughout the life of this contract and are not subject to change by rate redetermination, except for reduction under BT3.31, BT3.32, or BT3.33.

Advertised Rates are the minimum acceptable Bid Rates for timber, exclusive of Required Deposits. These rates are those indicated by appraisal, with a cost allowance made for construction of Specified Roads listed in AT7, but are never less than Base Rates.

Bid Premium Rates are the amounts by which Purchaser's bid is in excess of Advertised Rates. The Bid Premium Rates are constant during this contract, except as provided in BT3.31, BT3.32, and BT3.33.

Bid Rates are the rates bid by Purchaser (exclusive of Required Deposits for slash disposal and road maintenance) and are the sum of Advertised Rates and Bid Premium Rates. Until a rate redetermination becomes effective, the Bid Rate for species and products in AT4a is the Tentative Rate that is subject to quarterly adjustment under BT3.2; for species and products in AT4b, the Bid Rate is the Flat Rate.

Required Deposits are deposits that Purchaser may be required to pay for slash disposal (16 USC 490) and road maintenance (16 USC 537). Required Deposits may be adjusted as part of a rate redetermination or a Contract Term Extension. The table shows only Required Deposits for slash disposal; road maintenance deposits, if any, are given in CT5.32#.

Base Index is the specified average of the lumber or other product selling value index used as the basis for computing adjustment in rates for variance in product selling value, as provided in BT3.2.

AT5 - Indices Used in Quarterly Adjustment, applicable to BT3.2

Species	Index Name and Date
Lodgepole Pine and Other Coniferous Species	WWPA, Inland White Woods (12-13 Basis), (WWPAB)

AT6 - High Stumps, applicable to BT6.412

Species	Product	Maximum Stump Height (inches)
All	All	12

AT7 - Specified Roads, applicable to BT5.2

Name and Date of Governing Road Specifications:

Project		Design Class	Approx. Length (mi./km.)	Sheet Numbers and Approval Date	Performance Responsibility		
Road No.	Name				Survey	Design	Construction Staking 1/

NOT APPLICABLE

1/ Indicate timing, i.e. before clearing (BC) or after clearing (AC). Applicable to BT5.212.

AT8 - Forest Service Engineering Completion Schedule, applicable to BT5.21

Road No.	Road Name	Type of Work	Completion Date

NOT APPLICABLE

AT9 - Fire Precautionary Period, applicable to BT7.2

April 01 to October 31, inclusive

AT10 - Purchaser Responsibility to Furnish Crews and Equipment for:

Initial Fire Supression, applicable to BT7.3

Within 5 road miles

Fire Suppression Reinforcement, applicable to BT7.312 and BT7.313

Within 100 road miles

AT11 - Purchaser's Obligation per Operations Fire, applicable to BT7.41

Maximum Amount: \$ 300,000

AT12 - Termination Date, applicable to BT8.2

October 31, 2023

AT13 - Normal Operating Season, applicable to BT6.31, BT6.66, BT8.21 and BT9.3

First Period: July 01 to October 31, inclusive

Second Period: to , inclusive

AT14 - Performance Bond, applicable to BT9.1

Performance Bond Amount: _____

AT15 - Downpayment, applicable to BT4.211

Downpayment Amount: _____

AT16 - Periodic Payment Amount, applicable to BT4.213

	Periodic Payment Determination Date	Amount
Initial Payment:	_____	_____
Additional Payment:	_____	_____

AT17 - Market-Related Contract Term Addition Producer Price Index, applicable to BT8.212

Index Name: Softwood Lumber Index Number: 0811

AT18 - Inapplicable Standard Provisions

The following listed Sections, Subsections, or Items of Division BT - Standard Provisions - are hereby made inapplicable.
(Instructions: List by reference number and title.)

BT4.211	DOWNPAYMENT
BT4.4	PAYMENTS NOT RECEIVED
BT8.212	MARKET-RELATED CONTRACT TERM ADDITION
BT8.64	DEBARMENT AND SUSPENSION CERTIFICATION

AT19 - List of Special Provisions

The following listed special provisions are attached to and made a part of this contract as Division CT. Provisions with reference numbers followed by # contain blanks into which data have been entered for this sale. (Instructions: List by reference number, title, and date.)

CT2.35# (OPTION 1)	INDIVIDUAL TREE DESIGNATION (06/2010)
CT4.211	DOWNPAYMENT (06/2007)
CT4.212	TEMPORARY REDUCTION OF DOWNPAYMENT (08/2009)
CT4.4	PAYMENTS NOT RECEIVED (08/2012)
CT5.1# (OPTION 1)	TEMPORARY ROAD AND LANDING CONSTRUCTION (06/2008)
CT5.12#	USE OF ROADS BY PURCHASER (06/1999)
CT5.31#	ROAD MAINTENANCE REQUIREMENTS (07/2001)
CT5.32#	ROAD MAINTENANCE DEPOSIT SCHEDULE (08/2012)
CT6.22#	PROTECTION OF IMPROVEMENTS (07/2001)
CT6.24#	SITE SPECIFIC SPECIAL PROTECTION MEASURES (04/2004)
CT6.315#	SALE OPERATION SCHEDULE (06/1994)
CT6.405	ALTERNATE REMOVAL OF INCLUDED TIMBER (05/2005)
CT6.41#	SPECIFIC REQUIREMENTS (01/2000)
CT6.42#	YARDING/SKIDDING REQUIREMENTS (06/2010)
CT6.6#	EROSION CONTROL AND SOIL TREATMENT BY PURCHASER (03/2017)
CT6.7	SLASH DISPOSAL (03/2017)
CT6.74#	SLASH TREATMENT REQUIREMENTS (02/2002)
CT6.8	MEASURING (08/2000)
CT6.84	ACCOUNTABILITY (06/2006)
CT6.84 (OPTION 1)	USE OF PAINT BY PURCHASER (05/2005)

CT7.1	PLANS (09/2004)
CT7.2	SPECIFIC FIRE PRECAUTIONS (09/2002)
CT7.201	BURNING BY PURCHASER (01/1993)
CT7.22	EMERGENCY FIRE PRECAUTIONS (06/2018)
CT8.13	DISCLAIMER OF EXPRESSED OR IMPLIED WARRANTY (09/2004)
CT8.212	MARKET-RELATED CONTRACT TERM ADDITION (11/2008)
CT8.4	PERFORMANCE BY OTHER THAN PURCHASER (04/2004)
CT8.64	DEBARMENT AND SUSPENSION CERTIFICATION (03/2018)
CT8.66# (Option 1)	USE OF TIMBER (04/2004)
CT8.73	REQUIREMENT FOR SMALL BUSINESS PROCESSING (04/2004)

TRAFFIC CONTROL PLAN AND SPECIFICATIONS PURSUANT TO BT6.33 SAFETY

Unless otherwise agreed in writing in accordance with BT6.33 Safety, the following measures are required to provide adequate warning of hazards for users of roads and trails adjacent to Purchaser's Operations.

Part I. Signing and Other Warning Methods:

(a) Signs. The following signs are required when Purchaser's Operations are in progress adjacent to or on Forest Service controlled roads and trails:

<u>MINIMUM LETTER SIZE AND LEGEND</u>	<u>MINIMUM SIZE AND SHAPE</u>	<u>WHEN AND WHERE REQUIRED</u>
1. LOGGING OPERATIONS NEXT <> MILES (4" letters)	24" x 36" (rectangle)	Min. 100 ft. outside of any continuous work areas, on roads listed in CT5.31# and trails listed in Part II.
2. LOGGING OPERATIONS (4" letters)	30" x 30"(diamond)	To be used in conjunction with "Logging Operations Next <> Miles" and where work area is not continuous.
3. FOR LOGGING USE ONLY (4" letters)	30" x 30"(diamond)	Required where roads listed in CT5.31# and temporary roads intersect with CT5.31# roads. Install a cross ditch to discourage use when sign is covered or removed for extended periods.
4. TRUCKS (4" letters)	30" x 30"(diamond)	At critical intersections on roads listed in CT5.31# when traffic is heavy or otherwise exceeds volumes stated in Part II below. Remove or cover when the sign is not applicable.
5. END LOGGING OPERATIONS (4" letters)	24" x 36" (rectangle)	Use in conjunction with "Logging Operations Next <> Miles" and "Logging Operations."
6. TREE FELLING AHEAD (4" letters)	30" x 30"(diamond)	Required 200 feet in advance of danger area where timber is being felled adjacent to all roads, including temporary roads, and trails.
7. ROAD MACHINERY AHEAD (4" letters)	30" x 30"(diamond)	Required at least 200 feet in advance of Purchaser road maintenance operations on roads listed in Schedule CT5.31#.

TRAFFIC CONTROL PLAN AND SPECIFICATIONS PURSUANT TO BT6.33 SAFETY (continued)

All signs shall meet requirements as specified in Parts 1 and 6 of the Manual of Uniform Traffic Control Devices (MUTCD).

Sign borders and lettering shall be black. Borders are 7/8 inch wide, inset 5/8 inch from outside edge of sign. All sign backgrounds shall be orange, except that signs that need to be seen both day and night shall be retroreflective orange or illuminated.

Signs shall be installed on posts, with a 5 foot minimum height above road surface, or on temporary supports complying with MUTCD standards.

All signs are to be removed or covered when operations are interrupted for seasonal nonuse or other extended periods.

Purchaser shall furnish flag personnel and advance warning signs when cable or helicopter logging above roads or trails, felling adjacent to roads or trails, where logs being bucked may roll into roads or trails, and in areas where fallout from blasting may occur. Except as identified in Part II, Purchaser may temporarily block roads listed in CT5.31# and temporary roads in lieu of furnishing flag personnel. On roads controlled by other jurisdictional authorities, Purchaser shall receive approval from that authority for Purchaser's safety measures and traffic control plans before commencement of operations.

(b) Barricades. On roads listed in CT5.31#, if Purchaser's Operations cause the traveled way or road shoulders to be constricted overnight, or longer, by such obstructions as decked logs, parked equipment, or piled slash, Purchaser shall place barricades on both sides of the encroaching obstruction to safely channel traffic around such obstructions. Barricades shall remain in place until the obstruction is removed.

Barricades shall be Type II and meet specifications in MUTCD, Part 6. Barricades must be at least 3 feet high. Rails must be at least 2 feet long. Striping shall be alternating orange and white, sloping at a 45 degree angle, and reflectorized. For rails 2 feet to 3 feet long, striping shall be 4 inches wide. For rails longer than 3 feet, striping shall be 6 inches wide. Two rails, 8-12 inches in width, must face each direction.

(c) Other Traffic Control Methods. The posting of CB channel signs may be authorized.

On roads listed in CT5.31#, Purchaser may be authorized to install temporary gates, barricades (except cables), or natural barriers. The devices must be installed with the necessary hazard markers, be reasonably passable by Forest Service, and be removed to acceptance of the subdivision being served by the road.

Part II. Specific Requirements:

Purchaser and Forest Service agree to the above stated requirements of the Traffic Control Plan:

Name

Name

Purchaser Title

Forest Service Title

Date

Date

Sale Name: B & B SBA

CT2.35# (OPTION 1) - INDIVIDUAL TREE DESIGNATION (06/2010)

All live trees as described in the table on following page which meet the minimum tree diameter stated in AT2 are designated for cutting. Additional timber to be cut, if any, will be designated for cutting in accordance with BT2.37.

Leave trees, Marked with orange or white paint (LTM), or identified by the attached table are not to be cut, unless designated by the Forest Service.

CT4.211 - DOWNPAYMENT (06/2007)

The downpayment amount shown in AT15 may not be applied toward any other payment required under the provisions of this contract, except damages determined pursuant to BT9.4, transferred to other timber sales, or refunded until (a) stumpage value representing 25 percent of the total bid value of the timber sale is shown on Timber Sale Account to have been cut, removed, and paid for, or (b) the estimated value remaining to be cut and removed, as shown on Timber Sale Account, is equal to or less than the amount of the downpayment, or (c) if 36 CFR 223.49(e) is applicable, the estimated value remaining to be cut and removed, as shown on Timber Sale Account, is equal to or less than the amount of the downpayment. For lump sum timber sales, the downpayment may be applied to payment for release of the single payment unit.

If Forest Service makes a determination that this contract should not have been included under increased downpayment requirements (36 CFR 223.49(e)), the downpayment shall be revised and applied in accordance with 36 CFR 223.49(f).

CT4.212 - TEMPORARY REDUCTION OF DOWNPAYMENT (08/2009)

Notwithstanding BT4.211 or CT4.211, upon the Purchaser's written request Forest Service may temporarily reduce the downpayment when Purchaser's scheduled operations are delayed or interrupted for 30 or more consecutive days, or the contract term is extended for 30 or more consecutive days for any of the following reasons:

- (1) Forest Service requests or orders Purchaser to delay or interrupt scheduled operations for reasons other than breach;
- (2) Purchaser interrupts or delays scheduled operations to work on a sale designated by the Forest Service as in urgent need of harvesting; or
- (3) An adjustment of the contract term authorized upon a determination of substantial overriding public interest, including a market-related contract term addition, or an urgent removal contract term extension under 36 CFR 223.53.

When Purchaser is not cutting or removing timber under contract during a qualifying period of delay, interruption, or extension listed above the downpayment may be reduced to \$1000 or 2 percent of the downpayment amount stated in the contract, whichever is greater. The Purchaser must restore the downpayment to the full amount stated in the contract within 15 days from receipt of the bill for collection and written notice from the Contracting Officer that the basis for temporarily reducing the downpayment no longer exists. Purchaser shall not cut or remove timber on a contract where the downpayment has been temporarily reduced until the downpayment amount stated in the contract is fully restored.

DESCRIPTION PURSUANT TO CT2.35# (OPTION 1) - INDIVIDUAL TREE DESIGNATION (06/2010)

Designation		CUTTING UNIT
All live lodgepole pine greater than 5.0" stump diameter (measured at 4.0" stump height) and all live other species greater than 6.0" stump diameter and less than 18.0" stump diameter not marked with orange paint and less than 30 feet from an orange-marked tree are designated for cutting.		55,55B,56,57,59,60,61,61A,61B,61C,61D
<p>All live lodgepole pine larger than 5.0" stump diameter greater than 30 feet from a tree marked with orange paint.</p> <p>All live lodgepole pole larger than 5.0" stump diameter, within the specified spacing of 20 feet of a larger LP stump diameter.</p>		55,55B,56,57,59,60,61,61A,61B,61C,61D
All live trees not marked with orange paint are designated for cutting.	LTM	55A,55C,55D,58,61G

CT4.4 - PAYMENTS NOT RECEIVED (08/2012)

(a) Payments are due and payable on the date of issue indicated on the bill for collection. When a payment for timber cut and other charges is not received at the location designated by Forest Service by the date specified in the bill for collection, Contracting Officer will suspend all or any part of Purchaser's Operations until payment or acceptable payment guarantee is received. Other charges include, but are not limited to:

- (i) Slash disposal and road maintenance deposits;
- (ii) Cooperative work at rates established by specific agreement under BT4.218;
- (iii) Damages pursuant to BT9.4;
- (iv) Road use fees;
- (v) Restoration of downpayment pursuant to BT4.22;
- (vi) Periodic payments pursuant to BT4.213;
- (vii) Extension Deposits pursuant to BT4.217; and
- (viii) Other mandatory deposits.

(b) Failure to pay amounts due by the date specified in the bill for collection shall be considered a breach under BT9.3. The 30-day notice period prescribed therein shall begin to run as of the end of business on the date specified for receipt of payments. If the performance or payment is guaranteed by surety bond, the surety will receive a copy of the written notification of breach. Demand will be made on the surety or other institution providing the guarantee or bond instrument for immediate payment 10 days after issuance of written notification of the breach.

(c) Pursuant to the Debt Collection Improvement Act of 1996, as amended, if payment is not received by Forest Service within 15 days after the date of issue indicated on the bill for collection:

(i) Simple interest shall be assessed at the Current Value of Funds Rate as established by the Secretary of the Treasury. Interest will begin to accrue as of the date of issue indicated on the initial bill for collection.

(ii) Debtors will be assessed administrative charges, in addition to the delinquent amount due. Administrative charges are those additional costs incurred by the Government in processing, handling, and collecting delinquent debts.

(iii) A penalty charge of six (6) percent per annum will be assessed on any portion of a debt delinquent more than 90 days. This penalty charge is in addition to interest and administrative charges under paragraphs (c)(i) and (c)(ii). The penalty charge shall accrue from the date of issue indicated on the bill for collection and shall be assessed on all outstanding amounts, including interest and administrative costs assessed under paragraphs (c)(i) and (c)(ii).

(iv) Payments will be credited on the date received by the Federal Depository or Collection Officer designated on the bill for collection.

(d) Forest Service remedies for Purchaser's failure to make payment for timber cut and other charges when due, except for accrual of interest, suspension of all or any part of Purchaser's Operations, and administrative offset, shall be stayed for so long as:

- (i) A bona fide dispute exists as to Purchaser's obligation to make such payment and
- (ii) Purchaser files and prosecutes a timely Claim.

Sale Name: B & B SBA

CT5.1# (OPTION 1) - TEMPORARY ROAD AND LANDING CONSTRUCTION (06/2008)

In addition to the requirements of BT5.1 and BT6.63, Purchaser and Forest Service will agree to the design, construction, maintenance, closure, and obliteration of all Temporary Roads.

Construction of Temporary Roads in areas shown on Sale Area Map shall be in accordance with the attached plans or criteria.

Unless otherwise agreed, if Purchaser's Operations require more than 10 cubic yards of rock for Temporary Roads, landings, or other temporary uses, such rock shall be obtained from commercial sources.

PLANS AND/OR CRITERIA PURSUANT TO CT5.1# (OPTION 1) - TEMPORARY ROAD AND LANDING CONSTRUCTION (06/2008)_
See table on following page

CT5.12# - USE OF ROADS BY PURCHASER (06/1999)

Purchaser's use of existing roads identified on Sale Area Map by the following codes is prohibited or subject to restrictive limitations, unless agreed otherwise:

Code	Use Limitations
X	Hauling prohibited
R	Hauling restricted
U	Unsuitable for hauling prior to completion of agreed reconstruction
P	Use prohibited
A	Public use restriction
W	Regulation waiver

Roads coded A will be signed by the Forest Service to inform the public of use restrictions. Purchaser's use of roads coded R, A, or W shall be in accordance with the following restrictions:

See Restricted Road List Table.

PLANS AND/OR CRITERIA PURSUANT TO CT5.1# (OPTION 1) - TEMPORARY ROAD AND LANDING
CONSTRUCTION (06/2008)

For all sale units: Any temporary road crossing live streams or wet areas shall have a written plan for the crossing approved in writing by the Engineering Representative prior to construction.

CT5.12# - USE OF ROADS BY PURCHASER. (1/03) Purchaser's use of existing roads identified on Sale Area Map by the following codes is prohibited or subject to restrictive limitations, unless agreed otherwise:

<u>Code</u>	<u>Use Limitations</u>
X	Hauling prohibited
R	Hauling restricted
P	Use prohibited
A	Public use restriction
W	Regulation waiver

Roads coded A will be signed by Forest Service to inform the public of use restrictions. Purchaser's use of roads coded R, A, or W shall be in accordance with the following restrictions:

Restricted Road List

Road Number	Road Name	Termini		Map Legend	Description of Restrictions
		From	To		
	All Roads Listed in CT5.31#			R	Haul is prohibited on weekends and federal holidays, unless otherwise approved by the Forest Service. All use must cease when road damage begins to occur.
4330	Porcupine Rd.	43	Cty Rd 102	*	No winter use due to road being designated as a
43	Ladd Canyon Rd.	I-84	4300400	*	Snowmobile Route.
	All Native Surface Roads Listed in CT5.31#			R	All road use is restricted to use when conditions allow for such use without damage to the road, as defined in the Wallowa-Whitman Commercial Road Rules.
	All Roads Listed in CT5.31#			R	Overload permits shall be required on any vehicle operating at or above overload capacity, as referenced by the Commercial Road Rules document listed below
	All Roads Listed in CT5.31#				<ul style="list-style-type: none"> Reference below

CT5.12# - USE OF ROADS BY PURCHASER. (continued)

The load, weight, height, length, or width limitations of vehicles on National Forest roads shall be in accordance with State laws unless otherwise approved in writing by special-use authorization. For any loads that are greater than highway legal, overload permits must be obtained from the Forest Service prior to haul across NFSR bridges.

Title and date of governing road rules document:

Commercial Road Rules	Effective Date
<u>Commercial Road Use Rules and Road Use Permit Requirements</u>	<u>March 2016 (or Current Version)</u>

Commercial Road Use Rules may be found at the office of the Forest Supervisor, or at the following website:

http://www.fs.usda.gov/Internet/FSE_DOCUMENTS/stelprdb5420174.pdf

Sale Name: B & B SBA

CT5.31# - ROAD MAINTENANCE REQUIREMENTS (07/2001)

Purchaser shall maintain roads in accordance with the following Contract Road Maintenance Requirements Summary:

See Contract Road Maintenance Requirements Summary Table.

CT5.31# – ROAD MAINTENANCE REQUIREMENTS. (7/01) Purchaser shall maintain roads in accordance with the following Contract Road Maintenance Requirements Summary:

Contract Road Maintenance Requirements Summary

Road	Termini		Miles	Applicable Pre-haul Road Maintenance Specifications													
	From	To		T-803F	T-811F	T-812F	T-813F	T-831F	T-832F	T-834F	T-836F	T-838F	T-839F	T-842F	T-851F	T-854F	T-891F
4330 Seg. 1	Cty Rd 102	End of Gravel on 4330	6.1		P			P	P	P				P	P	P	P
4330 Seg.2	End of gravel	43	1.0				P	P		P	P			P	P	P	
43	4330	4300400	4.75		P			P	P	P				P	P	P	P
4330035	4330	EOU 55c	0.20	P				P		P			P		P	P	
4330060	4330	EOU 55d	0.20	P				P		P			P		P	P	
4330063	4330	4330060	0.11	P				P		P			P		P	P	
4300300	43	EOU 56	1.08	P				P		P		P			P	P	
4300313	4300300	MOU 56	0.66	P				P		P			P		P	P	
4300400	43	4300000	0.47	P				P		P			P		P	P	
4300401	4300400	EOU 55b	0.11	P				P		P			P		P	P	
4300403	4300401	EOU 55b	0.30	P				P		P			P		P	P	
4300410	4300401	EOU 60	0.24	P				P		P			P		P	P	
4300426	4300400	MOU 61	0.20	P				P		P			P		P	P	
4300430	43	EOU 61b	0.23	P				P		P		P			P	P	
4300450	4300030	4300455	0.37	P				P		P			P		P	P	
4300455	4300500	MOU 61a	0.21	P				P		P			P		P	P	
4300456	4300450	Temp to 61a	0.10	P				P		P			P		P	P	
4300500	4300510	MOU 58	0.12	P				P		P			P		P	P	
4300510	4300000	4300515	0.90	P				P		P		P			P	P	
4300515	4300510	MOU 57	0.43	P				P		P		P			P	P	

P = Purchaser Performance Item, D = Deposit to Forest Service, D3 = Deposit to Third Party

Road	Termini		Miles	Applicable During-Haul Road Maintenance Specifications														
	From	To		T-803F	T-811F	T-812F	T-813F	T-831F	T-832F	T-834F	T-836F	T-838F	T-839F	T-842F	T-851F	T-854F	T-891F	SRR Dep
4330 Seg. 1	Cty Rd 102	End of Gravel on 4330	6.1		P	P		P	P	P				P	P	P	P	D
4330 Seg. 2	End of gravel	43	1.0			P		P		P	P			P	P	P		
43	4330	4300400	4.75		P	P		P	P	P				P	P	P	P	D
4330035	4330	EOU 55c	0.20	P				P		P			P		P	P		
4330060	4330	EOU 55d	0.20	P				P		P			P		P	P		
4330063	4330	4330060	0.11	P				P		P			P		P	P		
4300300	43	EOU 56	1.08	P				P		P		P			P	P		
4300313	4300300	MOU 56	0.66	P				P		P			P		P	P		
4300400	43	4300000	0.47	P				P		P			P		P	P		
4300401	4300400	EOU 55b	0.11	P				P		P			P		P	P		
4300403	4300401	EOU 55b	0.30	P				P		P			P		P	P		
4300410	4300401	EOU 60	0.24	P				P		P			P		P	P		
4300426	4300400	MOU 61	0.20	P				P		P			P		P	P		
4300430	43	EOU 61b	0.23	P				P		P		P			P	P		
4300450	4300030	4300455	0.37	P				P		P			P		P	P		
4300455	4300500	MOU 61a	0.21	P				P		P			P		P	P		
4300456	4300450	Temp to 61a	0.10	P				P		P			P		P	P		
4300500	4300510	MOU 58	0.12	P				P		P			P		P	P		
4300510	4300000	4300515	0.90	P				P		P		P			P	P		
4300515	4300510	MOU 57	0.43	P				P		P		P			P	P		

P = Purchaser Performance Item, D = Deposit to Forest Service, D3 = Deposit to Third Party

Road	Termini		Miles	Applicable Post-haul Road Maintenance Specifications													
	From	To		T-803F	T-811F	T-812F	T-813F	T-831F	T-832F	T-834F	T-836F	T-838F	T-839F	T-842F	T-851F	T-854F	T-891F
4330 Seg. 1	Cty Rd 102	End of Gravel on 4330	6.1		P			P	P	P							P
4330 Seg. 2	End of gravel	43	1.0					P		P							
43	4330	4300400	4.75		P			P	P	P	P						P
4330035	4330	EOU 55c	0.20					P		P			P				
4330060	4330	EOU 55d	0.20					P		P			P				
4330063	4330	4330060	0.11					P		P			P				
4300300	43	EOU 56	1.08					P		P		P					
4300313	4300300	MOU 56	0.66					P		P			P				
4300400	43	4300000	0.47					P		P			P				
4300401	4300400	EOU 55b	0.11					P		P			P				
4300403	4300401	EOU 55b	0.30					P		P			P				
4300410	4300401	EOU 60	0.24					P		P			P				
4300426	4300400	MOU 61	0.20					P		P			P				
4300430	43	EOU 61b	0.23					P		P		P					
4300450	4300030	4300455	0.37					P		P			P				
4300455	4300500	MOU 61a	0.21					P		P			P				
4300456	4300450	Temp to 61a	0.10					P		P			P				
4300500	4300510	MOU 58	0.12					P		P			P				
4300510	4300000	4300515	0.90					P		P		P					
4300515	4300510	MOU 57	0.43					P		P		P					

P = Purchaser Performance Item, D = Deposit to Forest Service, D3 = Deposit to Third Party

ROAD MAINTENANCE REQUIREMENTS SPECIFICATION TABLE PURSUANT TO
CT5.31# - ROAD MAINTENANCE REQUIREMENTS (07/2001)

1	2	3			4	5	6			7	8	9	
Road No. and Termini	Special Project Specifi- cation	Travel Way			Brush And Log Out	Surfacing	Dust Abatement			Seasonal Mainte- nance	Snow Removal	Post Haul	
		Width	X Slope	Comp			Product	Applic Rate	Width			Block	Treat
4330 Seg. 1	*	EX	AI	B	OPT 6' Left 6' Right		ALL				CB-1		P
4330035	*	EX	AI		OPT					WB6 EB2	TS	P EB2 WB6	
4330060	*	EX	AI		OPT					WB6 EB2	TS	P EB2 WB6	
4330063	*	EX	AI		OPT					WB6 EB2	TS	P EB2 WB6	
4330 Seg. 2	*	EX	AI	B	OPT 6' Left 6' Right	P "C" ¾" minus 1500 c/y GFM	ALL				CB-1		P
43	*	EX	AI	B	OPT 6' Left 6' Right		ALL				CB-1		P
4300300	*	EX	AI							WB6	TS		P WB6
4300400	*	EX	AI		OPT					WB6 EB2	TS	P EB2 WB6	
4300401	*	EX	AI		OPT					WB6 EB2	TS	P EB2 WB6	
4300410	*	EX	AI		OPT					WB6 EB2	TS	P EB2 WB6	

4300420	*	EX	AI		OPT					WB6 EB2	TS	P EB2 WB6	
4300426	*	EX	AI		OPT					WB6 EB2	TS	P EB2 WB6	
4300430	*	EX	AI		OPT					WB6	TS		P WB6
4300431	*	EX	AI		OPT					WB6 EB2	TS	P EB2 WB6	
4300450	*	EX	AI		OPT					WB6 EB2	TS	P EB2 WB6	
4300455	*	EX	AI		OPT					WB6 EB2	TS	P EB2 WB6	
4300456	*	EX	AI		OPT					WB6 EB2	TS	P EB2 WB6	
4300510	*	EX	AI		OPT					WB6	TS		P WB6
4300515	*	EX	AI		OPT					WB6 EB2	TS		P WB6

*As shown on the CT.5.31# tables on preceding pages.

ROAD MAINTENANCE REQUIREMENTS SPECIFICATION CODES TABLE PURSUANT TO
CT5.31# - ROAD MAINTENANCE REQUIREMENTS (07/2001)

Column No.	Heading	Entry	Explanation
	Any	Blank	Except as otherwise described, no entry indicates Purchaser is not authorized or required to perform the work item(s).
	Any	RC	This work requirement applies only when haul of sale related construction materials occurs.
2	Special Project Specification	Number	Entry indicates Special Project Specification which applies.
3	Travel Way	EX	Purchaser shall maintain the traveled way to the width existing upon entry, or at the completion of Specified Road work.
		Numbers	Purchaser shall maintain the traveled way to the standard width indicated by the entry, plus curve widening, in accordance with Section T-811. If required, the road template shall be shaped to this width and to the designated cross slope before haul and during recurring maintenance.
		IS, C, OS, F, or AI	Cross slopes are designated as: IS (Inslope), C (Crown), OS (Outslope), F (Flat), AI (As Is).
		A or B	If compaction is required.
4	Brush and Log Out	Numeric & R and or L	Purchaser shall remove brush for specified width on either or both the right (R) side or left (L) side of road.
		As Staked	Limits of brushing are as staked or marked in the field.
		OPT	Purchaser may use hand or mechanical means of brushing.
		H	Only hand brushing may be used.

ROAD MAINTENANCE REQUIREMENTS SPECIFICATION CODES TABLE PURSUANT TO
CT5.31# - ROAD MAINTENANCE REQUIREMENTS (07/2001)

Column No.	Heading	Entry	Explanation
5	Surfacing	Aggregate Grading	Purchaser shall place surfacing on roads listed according to the grading indicated.
		D	Contractor is to make deposits for listed road maintenance, including surface rock replacement.
6	Dust Abatement	OPT	Product selection is Purchaser's choice from those listed in Section T-812.
		Product Abbr.	Unless otherwise agreed, Purchaser is restricted to product listed corresponding to the abbreviation shown in Section T-812; (i.e., LigS = Lignon Sulfonate) Application rates are estimated amounts.
		EX	Purchaser shall abate dust on the existing width
		Numbers	Purchaser shall abate dust to the width indicated by entry.
7	Seasonal Maintenance	W	Waterbars and/or crossditching shall be required prior to expected seasonal precipitation.
		B	Entrance barriers shall be installed by Purchaser prior to nonuse periods.
8	Snow Removal	TS	Snowplowing authorized for Purchaser's Operations without recreation access being provided per Section T-803 requirements.
		JU	Snowplowing authorized, but must provide for recreation joint use per Section T-803 requirements.
		Blank	Snowplowing is not authorized. Forest Service may authorize plowing by permit when not in conflict with other uses.
9	Post Haul	P	P denotes that work is Purchaser's Responsibility to perform.

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CT5.32# - ROAD MAINTENANCE DEPOSIT SCHEDULE (08/2012)

Other provisions herein notwithstanding, when Forest Service requests payment in lieu of Purchaser's performance of road maintenance, Purchaser shall make Required Deposits (16 USC 537) for current and/or deferred road maintenance. Such deposits are based on the estimated volume and distance hauled and Purchaser's commensurate use of each road listed in the Road Maintenance Plan in CT5.31#.

Purchaser and Forest Service may agree in writing on adjustment of such rates. If Purchaser uses roads under jurisdiction of Forest Service other than those listed in the Road Maintenance Plan, Forest Service shall establish rates commensurate with Purchaser's use of such roads.

The Required Deposits for Forest Service work in lieu of Purchaser performance are N/A per CCF for recurrent maintenance, and \$3.70 per CCF for deferred maintenance.

The following table lists who Purchaser will make deposits for road maintenance to, and the rate per unit of measure of the deposit. The Road Maintenance Agreement is available for inspection at the Forest Supervisor's office.

Deposit Made To	Rate	Unit of Measure
<hr/>		
N/A		

CT6.22# - PROTECTION OF IMPROVEMENTS (07/2001)

Unless otherwise agreed to in writing, Purchaser shall move or relocate the improvements listed in the following table to locations in a manner as specified in drawings or in specifications attached hereto. Improvements shall be returned to their original locations following Purchaser's operations.

See attached table of improvements to be moved.

TABLE PURSUANT TO CT6.22# - PROTECTION OF IMPROVEMENTS (07/2001)

Type of Improvement

Move or Relocate to

Barbwire fences

Cut fences as needed for operations and as approved by FS.
Fences will be repaired in a timely manner and remain functional during the grazing season.

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CT6.24# - SITE SPECIFIC SPECIAL PROTECTION MEASURES (04/2004)

Special protection measures needed to protect known areas identified on Sale Area Map or on the ground include:

Cultural Resource Protection Measures: N/A

Wildlife and Botanical Protection Measures: No equipment operation or disturbance of the protected site.
Trees will be directionally fell away from the protected site.

Cave Resource Protection Measures: N/A

CT6.315# - SALE OPERATION SCHEDULE (06/1994)

Unless otherwise agreed to in writing between Purchaser and Forest Service, Purchaser's Operations shall be performed in accordance with the following schedule.

See attached schedule.

SCHEDULE PURSUANT TO CT6.315# - SALE OPERATION SCHEDULE (06/1994)

<u>Payment Unit</u>	<u>Operating Conditions</u>	<u>Purpose</u>
ALL	<p>Felling operations are restricted from December 1 to July 1. Felling may occur during the restricted period upon written approval of the Forest Service when Purchaser's operations provide the following:</p> <ul style="list-style-type: none"> - Removal of ponderosa pine > 3" in diameter - Skidding remains concurrent with felling - Log decks containing ponderosa pine or lodgepole pine will be hauled concurrent with skidding. 	Minimize Ips pini habitat

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CT6.405 - ALTERNATE REMOVAL OF INCLUDED TIMBER (05/2005)

Purchaser and Forest Service may agree to alternate removal requirements of Included Timber contained in AT2. Alternate removal requirements are to be set forth in an agreement signed by both Purchaser and Contracting Officer. The terms of the agreement binds both parties and becomes part of the timber sale contract.

The development and execution of the agreement is based upon the determination by the Contracting Officer that removal of Included Timber is economically impractical if Purchaser has no ready market for such logs in the tributary area. A tributary area is defined as the area in which the Purchaser and competitors regularly deliver saw logs, or 200 miles from the Sale Area, whichever distance is greater.

The agreement for alternate removal requirements shall be executed prior to removing any timber from the Payment Units included in the agreement. Alternate removal requirements shall apply only to whole units and not to portions of units. All material meeting alternate removal specifications shall be cut and removed to locations designed in the agreement.

Volumes of material with alternate removal requirements will be determined from the National Cruise report for the sale. Purchaser will be charged for the following:

- a) stumpage value at current contract rates of the alternatively removed timber;
- b) plus the cost of other work required by the Forest Service to dispose of alternatively removed material;
- c) plus the difference between the appraised transportation cost of the Sawtimber and/or Nonsawtimber material involved and the appraised transportation cost of the alternative.
- d) Minus any work required to be completed by the Purchaser associated with alternate removal requirements.

Charges will be debited to the Purchaser's timber sale account.

Upon acceptance of the alternate removal requirements, the Payment Unit will be removed from the Sale Area under BT6.36.

Title to material included in the alternate removal agreement shall remain with the Forest Service.

CT6.41# - SPECIFIC REQUIREMENTS (01/2000)

Notwithstanding BT6.41, BT6.411, BT6.5, and BT6.61, felling objectives shall be accomplished by the type of felling methods and equipment listed herein. Methods or equipment other than those specified may be approved. For Payment Units shown in the following table, Purchaser shall submit a cutting plan for Forest Service acceptance, prior to the start of felling operations.

See attached table.

TABLE PURSUANT TO CT6.41# - SPECIFIC REQUIREMENTS (01/2000)

FELLING METHODS

Handfelling is required where slopes exceed 35% and mechanical felling equipment cannot reach designated timber from approved skid trail locations.

PAYMENT UNITS

55D,57,59,61,61B,61C

FELLING EQUIPMENT

Mechanical felling equipment utilized shall be capable of felling, limbing and bucking trees.

PAYMENT UNITS

55,55A,55B,55C,55D,
56,57,58,59,60,61,61
A,61B,61C,61D

Equipment shall be no wider than 12 feet and equipped with a minimum 25 foot boom reach.

ALL

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CT6.42# - YARDING/SKIDDING REQUIREMENTS (06/2010)

Purchaser shall submit for Forest Service approval a Yarding/Skidding Plan prior to the start of felling operations. Requirements other than those specified in the following table may be approved. When appropriate, such approval shall include adjustments in Current Contract Rates and revision of the Sale Area Map. In no such case shall the adjustments result in Current Contract Rates less than Base Rates.

Location of all skid roads and trails, tractor roads, skyline corridors, mechanized harvester trails, forwarder roads, and other log skidding facilities, shall be approved prior to felling, construction or use.

See attached table for requirements.

TABLE PURSUANT TO CT6.42# - YARDING/SKIDDING REQUIREMENTS (06/2010)

<u>YARDING/SKIDDING REQUIREMENTS</u>	<u>PAYMENT UNITS</u>
Tractor/forwarder trails shall be spaced 60 feet apart except where trails converge or unless approved otherwise by the FS.	ALL
Skidding tractors/forwarders shall be no more than 12 feet wide, including the blade.	ALL
All logs shall have one end suspended during skidding.	58
Utilize existing skid trails and landings where practicable.	ALL
Forwarder required. Equipment must provide full suspension of logs.	55,55A,55B,55C,55D,56,57,59,60,61,61A,61B,61C,61D
Winchline required on slopes > 35% for trees/logs beyond the reach of the harvester operating on designated and approved skid trails.	55D,57,59,61,61B,61C

CT6.6# - EROSION CONTROL AND SOIL TREATMENT BY PURCHASER (03/2017)

Erosion prevention and control work required by BT6.6, shall be completed within 15 calendar days after yarding/skidding operations related to each landing are substantially completed or after Forest Service designation on the ground of work where such designation is required hereunder. Said time limit shall be exclusive of full days lost in Purchaser's Operations due to causes beyond Purchaser's control. Such on the ground designation shall be done as promptly as feasible unless it is agreed that the location of such work can be established without marking on the ground. After September 15, and as long thereafter as operations continue, the work shall be done as promptly as practicable. Damage resulting from Purchaser's Operations due to failure to perform required work shall be repaired by Purchaser.

On slopes greater than 30 percent, erosion control measures will be done with methods other than mechanized equipment, unless otherwise agreed.

Where soil has been disturbed or displaced on Sale Area by Purchaser's Operations and where measures described in BT6.6 will not result in satisfactory erosion control or where subsoiling is shown on Sale Area Map, the following shall be performed. If applicable, timing of the work shall be coordinated with required scarification or subsoiling.

(a) Where staked or otherwise marked on the ground by Forest Service, seed, fertilizer, and mulch will be applied as indicated in the attached seeding, fertilizing, and mulching schedule. All applications shall be current and done during the period from September 15 to November 15, unless otherwise agreed to. Applications shall be done only during favorable conditions. If Purchaser and Forest Service agree, seed can be applied and covered within 10 days of ground disturbance, and may be done outside the required periods.

(b) Where shown on Sale Area Map, landings, Temporary Roads and/or skidtrails/roads shall be scarified to a depth of 6 inches to provide a seedbed for grass seed, fertilizer, and mulch. Seed, fertilizer, and mulch shall be spread evenly at the rates shown in the table. When the seed, fertilizer, and mulch are applied in separate operations, the second or third operations shall be within 10 days of the first or second.

(c) Where shown on Sale Area Map, landings, Temporary Roads, and skid trails/roads used by Purchaser shall be subsoiled to a minimum depth of 12 inches, except that Forest Service may agree to lesser depths. Each subsoiler shank shall be equipped with a shoe and wings which has a total width of at least 18 inches. The design of the shank and wings will be such that the treated, compacted soil is slightly lifted and well-fractured rather than plowed, mixed, or displaced. The distance between subsoiler shank passes shall not exceed 36 inches. Treated areas shall span the total width of compaction. Subsoiling shall be kept reasonably current and shall be done during Normal Operating Season unless otherwise agreed.

(d) When agreed to, Purchaser may use alternate methods of erosion control. Seed shall meet current Forest Service requirements, with the additional requirement that no seed containing any noxious weed seed in excess of established state limitations as listed in the current "State Noxious Weed Requirements Recognized in the Administration of the Federal Seed Act" publication will be used (commonly referred to as the "all states" noxious weed seed list). Seed shall be furnished separately or in mixture in standard containers clearly marked with: (1) seed name; (2) lot number; (3) net weight; (4) percentages of purity and of germination (in case of legumes, percentage of germination to include hard seed); (5) percentage of weed seed content; and (6) certification that no noxious weed seeds in excess of established state standards are present. The Purchaser shall furnish the Government duplicate signed copies of a certificate, signed by a Registered Seed Technologist or Seed Analyst (certified through either the Association of Official Seed Analysis or the Society of Commercial Seed Technologists), certifying that each lot of seed has been tested in accordance with the Association of Official Seed Analysts Standards within 12 months prior to date of application. This certificate shall include (1) name and address of laboratory, (2) date of test, (3) lot number for each kind of seed, (4) name of seed, (5) percentage of germination, (6) percentage of purity, (7) percentage of weed seed content, and (8) certification that no

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noxious weed seeds in excess of established state limitations are present in any kind of seed. Legume seed shall be inoculated with approved cultures in accordance with the instructions of the manufacturer. No seed may be applied without prior written approval by the government.

(e) Purchaser may be required to seed areas disturbed by harvest activities to prevent the spread of noxious weeds, or the establishment of new areas.

See attached application schedule.

See attached application schedule.

APPLICATION SCHEDULE PURSUANT TO CT6.6# - EROSION CONTROL AND SOIL TREATMENT BY PURCHASER
(03/2017)

PAYMENT UNIT OR UNIT NUMBER	AREAS A) SKID TRAILS B) FIRELINES C) TEMP. ROADS D) LANDINGS E) OTHER <u>4</u> /	SEED		FERTILIZER		MULCH	
		APPLICATION		APPLICATION		APPLICATION	
		SPECIES MIXTURE ¹ /	LBS/AC	TYPE ² /	LBS/AC	TYPE ³ /	LBS/AC
ALL	A, C, D, E	Mountain Brome	5	N/A	N/A	N/A	N/A
ALL	A, C, D, E	Idaho Fescue	2	N/A	N/A	N/A	N/A
ALL	A, C, D, E	Blue Wildrye	5	N/A	N/A	N/A	N/A
ALL	A, C, D, E	Prairie Junegrass	1	N/A	N/A	N/A	N/A
ALL	A, C, D, E	Bluebunch Wheatgrass	3	N/A	N/A	N/A	N/A

Grass seed will be provided by Forest Service.

The Purchaser will be required to pay a co-op deposit of \$.04/CCF for the cultivation and harvest of replacement seed of native species for use on future contracts.

¹/ For sales in Oregon, the seed shall meet the State certification specifications. Seed must be packaged in containers carrying official certification labels sewn in, glued to, or printed upon the container, with the following information:

1. Variety (if certified as to variety) and kind.
2. Quantity of seed (pounds or bushels).
3. Class of certified seed (blue tags for certified seed).
4. Inspection or lot number traceable to the certifying agency's records.

For sales in Washington, the seed shall be labeled as "Prohibited and Restricted Noxious Weed Free for the State of Washington." The purchaser shall furnish a copy of the seed analysis.

For state of California lands in Region 6, seed must be certified by the state of California, or by an independent agency or company that is approved by the state of California for "prohibited and restricted noxious weed free for the state of California."

For mixtures of seed, each ingredient in excess of 5 percent must be listed with its percentage by weight and its germination percentage.

Legumes must be inoculated with nitrogen fixing bacteria before planting. The label must show the expiration date of the inoculant.

All seed treated with a fungicide or pesticide must be labeled that it is "treated" giving the name of the chemical used, and an appropriate warning or a caution statement.

²/ Fertilizer shall be a standard commercial fertilizer with guaranteed analysis of contents clearly marked on containers.

³/ Mulch shall meet the appropriate State's certification specifications, with evidence of its certification traceable to the certifying agency's records.

⁴/ Areas coded as 'E' in the table will be designated by the Forest Service for application of seed by the contractor.

CT6.7 - SLASH DISPOSAL (03/2017)

As used in the following Subsections, the term "slash" is vegetative debris including, but not limited to, cull logs, blasted or pushed-out stumps, chunks, broken tops, limbs, branches, rotten wood, damaged brush, damaged or destroyed reproduction, saplings or poles, resulting from Purchaser's Operations, including construction of roads or other improvements under this contract. Slash resulting from the construction of Specified Roads shall be disposed of as provided for in Section 201 of the Standard and Special Specifications and as shown in Drawings.

Any burning of slash or refuse by Purchaser is subject to CT7.201.

Forest Service may agree to substitute methods of slash disposal if such substitute methods will give equally satisfactory results.

Forest Service may waive specific slash treatment requirements. Purchaser's Timber Sale Account will be charged for any slash treatment requirements waived. The amount of such charges will be determined by Forest Service prior to felling operations in each Payment Unit.

CT6.74# - SLASH TREATMENT REQUIREMENTS (02/2002)

Purchaser shall pile, burn, yard, construct firelines or otherwise treat slash defined in CT6.7, within designated areas. Work required of Purchaser shall be in accordance with the following slash plan and specifications, and the Sale Area Map.

Unless otherwise agreed, or shown in attached slash plan or specifications, when Included Timber is removed during Normal Operating Season, required slash work shall be completed within 30 days of removal of approximately three-quarters of the volume in the unit. When Included Timber is removed outside Normal Operating Season, required work will be completed within 30 days of the beginning of the next Normal Operating Season.

See following specifications.

SPECIFICATIONS PURSUANT TO CT6.74# - SLASH TREATMENT REQUIREMENTS (02/2002)

Pile Landing Slash (PL) Cutting Units: All

Slash and other debris resulting from Purchaser's operations that has accumulated on landings that is greater than 1 inch in diameter or greater than 8 feet in length shall be piled for burning by the Forest Service.

Construction of Landing Piles: Piles shall contain little or no soil.

Slash piling operations shall not unnecessarily damage young growth or other trees to be reserved.

Slash piles shall be located away from residual trees and young growth to prevent damage during pile burning.

All objects that extend more than 4 feet in any direction from the pile profile shall be cut off and returned to the pile.

Scatter Slash (SCAT) Cutting Units: 55,55A,55B,55C,55D,56,57,59,60,61,61A,61B,61C,61D,61G

Adequate slash will be deposited within the forwarder trails to minimize soil compaction. Excessive slash will be scattered to the extent possible to provide ground cover to protect the soil within the unit from erosion.

Purchaser shall scatter all limbs cut from Included Timber, which remain in the entire unit, so as to avoid concentrations around leave trees and to lie within 18 inches of the ground.

CT6.8 - MEASURING (08/2000)

The estimated quantity of timber in AT2 was determined in advance of advertisement. Any timber subsequently added or deleted under BT2.13, BT2.14, BT2.15, BT2.31, BT2.32, BT2.33, BT2.34, BT2.35, or BT2.37 will be measured by the Forest Service and formulated using Forest Service Handbook 2409.12, Timber Cruising Handbook Standards, unless otherwise agreed to in writing.

CT6.84 - ACCOUNTABILITY (06/2006)

The following requirements are applicable to product removal permits:

1. Forest Service will issue to Purchaser or designated representative(s) serially numbered Product Removal Permit Books for use only on this sale. Product Removal Permit Books, whether used or unused, shall be returned to issuing Forest Service Office in accordance with instructions contained on cover of each book.

2. All permits shall be completed and attached to load by an individual named in writing, other than the truck driver in accordance with the instructions on the inside cover of the Product Removal Permit Book. Product Removal Permit will be attached prior to removal from the immediate vicinity where loading is done. The permit will remain attached until the load is decked at the delivery point.

When products are manufactured on site and removed as chips, the permit shall be attached to a 12" x 18" vertically mounted board on the front panel on the driver's side of the conveyance unit. The previously validated Product Removal Permit shall be removed from the board before attaching a new permit. The board's texture, density, and thickness shall be such as to accommodate construction type staples and be of durable material for securing the attached permits.

3. Purchaser shall require truck drivers to stop when requested by Forest Service for purposes of monitoring accountability when products are in transit. Methods to be used to alert drivers of an impending stop shall be agreed to in advance of hauling products.

CT6.84 (OPTION 1) - USE OF PAINT BY PURCHASER (05/2005)

Notwithstanding BT6.81, use of paint by the Purchaser within the Sale Area in the color(s) used by the Forest Service in the preparation of the sale and administration of the contract will be by written approval of the Forest Service.

CT7.1 - PLANS (09/2004)

The plan shall state how Purchaser's representative or alternates will be contacted in a fire emergency, both during periods of operation and at other times such as evenings or weekends. Purchaser shall certify compliance with specific fire precautionary measures included as Subsections under CT7.2 - Specific Fire Precautions, before beginning operations during Fire Precautionary Period (closed season) and shall update such certification when operations change.

If helicopter yarding is required, the plan shall include a schedule of rates mutually agreed to for computing Purchaser costs incurred toward meeting Purchaser's obligations under AT11, or for paying for helicopters controlled by Purchaser and used under Forest Service direction for suppressing Operations Fires or other fires on Sale Area, excluding Negligent Fires.

CT7.2 - SPECIFIC FIRE PRECAUTIONS (09/2002)

When the industrial fire precautions level is I or higher, unless waiver is granted under CT7.22, specific required fire precautionary measures are as follows:

A. Fire Security.

Purchaser will designate in writing a person or persons who shall perform fire security services listed below on Sale Area and vicinity. The designated person will be capable of operating Purchaser's communications and fire fighting equipment specified in the contract, excluding helicopters, and of directing the activities of Purchaser's personnel on Forest fires. Such person must report any fire detected to Forest Service within 15 minutes of detection. In lieu of having the designated person perform the required supervisory duties, Purchaser may provide another person meeting the qualifications stated above to direct the activities of Purchaser's personnel and equipment during all fire fighting activities.

Services described shall be for at least 1 hour from the time Purchaser's Operations are shut down. For the purposes of this provision, personnel servicing equipment, and their vehicles, who are not engaged in cutting or welding metal are excluded.

Fire security services shall consist of moving throughout the operation area or areas constantly looking, reporting, and taking suppression action on any fires detected. Where possible, the designated person shall observe inaccessible portions of helicopter operating areas from vantage points within or adjacent to Sale Area.

Purchaser shall furnish fire security services based on the predicted industrial precaution level, obtained by Purchaser from the appropriate Ranger District Headquarters. If predictions made after 6:00 p.m. local time, are significantly different than originally estimated, Forest Service will inform Purchaser when changes in fire security services are indicated.

B. Fire Extinguishers and Equipment (on Trucks, Tractors Power Saws, etc.).

(a) Each yarder or loader equipped with an internal combustion engine or other spark emitting source shall be equipped with a readily accessible fire extinguisher, with an Underwriter's Laboratory (UL) Rating of at least 5 B,C.

(b) All power-driven equipment operated by Purchaser on National Forest land, except portable fire pumps, shall be equipped with one fire extinguisher having a UL rating of at least 5 B,C and one "D" handled or long handled round point shovel, size 0 or larger. In addition, each motor patrol, truck and passenger-carrying vehicle shall be equipped with a double-bit axe or Pulaski, 3-1/2 pounds or larger.

(c) Equipment required in (a) and (b) shall be kept in a serviceable condition and shall be readily available.

(d) Each gasoline power saw operator shall be equipped with a pressurized chemical fire extinguisher of not less than 8-ounce capacity by weight, and one long handled round point shovel, size 0 or larger, except at a landing where a suitable fire extinguisher and shovel are immediately available. The extinguisher will be kept in possession of the saw operator at all times. The shovel shall be accessible to the operator within 1 minute.

(e) Each helicopter shall be equipped with one fire extinguisher having a UL rating of at least 5 B,C mounted inside the aircraft within reach of the pilot's operating position.

(f) One refill for each type or one extra extinguisher sufficient to replace each size extinguisher required on equipment shall be safely stored in the fire tool box or other agreed upon place on Sale Area that is protected and readily available.

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(g) At each area where helicopters are being serviced or supplied, a carbon dioxide fire extinguisher with a UL rating of at least 20 B,C will be provided on the site and placed where it is available for immediate use.

C. Spark Arresters and Mufflers.

Each internal combustion engine shall be equipped with a spark arrester qualified and rated under USDA Forest Service Standard 5100-1a as shown in the National Wildfire Coordination Group Spark Arrester Guide, unless it is:

(a) Equipped with a turbine-driven exhaust supercharger such as the turbocharger. There shall be no exhaust bypass.

(b) A multi-position engine, such as on power saws which must meet the performance levels set forth in the Society of Automotive Engineers (SAE) "multi-positioned small engine exhaust fire ignition standard, SAE recommended practice J335B" as now or hereafter amended.

(c) A passenger carrying vehicle or light truck, or medium truck up to 40,000 GVW, used on roads and equipped with a factory designed muffler complete with baffles and an exhaust system in good working condition.

(d) A heavy duty truck, such as a dump or log truck, or other vehicle used for commercial hauling, used only on roads and equipped with a factory designed muffler and with a vertical stack exhaust system extending above the cab.

Exhaust equipment described in this Subsection, including spark arresters and mufflers, shall be properly installed and constantly maintained in serviceable condition.

D. Fire Tools.

Purchaser shall furnish serviceable fire fighting tools in a readily accessible fire tool box or compartment of sound construction with a hinged lid and hasp so arranged that the box can be secured or sealed. The box shall be red and marked "Fire Tools" in letters at least 1 inch high. It shall contain a minimum of:

(a) Two axes or Pulaskis with a 32 inch handle.

(b) Three adze eye hoes. One Pulaski may be substituted for one adze eye hoe.

(c) Three long handled, round point shovels, size 0 or larger.

E. Tank Truck.

Purchaser shall provide a tank truck or trailer, containing not less than 300 gallons of water, during yarding, skidding, loading, land clearing, right-of-way clearing, mechanical falling, and mechanical treatment of slash. Such tank truck or trailer shall be maintained in a serviceable condition and located within 10 minutes, round trip, from each operating side during Fire Precautionary Period (closed season), except as provided under BT7.21.

The tank truck or trailer shall be equipped with a pump capable of discharging 20 gallons of water per minute, using a 1/4 inch nozzle tip, through a 50 foot length of rubber or poly lined hose. In addition, 500 feet of serviceable hard rubber poly or rubber lined or FJRL hose of not less than 1 inch outside diameter, fitted with a nozzle capable of discharging a straight stream of 1/4 inch diameter and a spray pattern shall be immediately available for use. The tank, pump, nozzle and at least 250 feet, of the total 500 feet of hose, shall be connected and ready for use at all times. Synthetic hoses may be used by

agreement.

If a trailer is used, it shall be equipped with a hitch to facilitate prompt movement. A serviceable tow vehicle shall be immediately available for attachment to the trailer and must meet the time requirements stated above. Such truck or trailer shall be equipped to operate for a minimum of 8 hours.

Where designated on Sale Area Map, Purchaser shall provide a tank trailer or water source and pumping equipment, including accessories, which can be lifted and transported by the yarding system. The component parts shall meet all specifications above. The tank trailer or water supply and pumping accessories shall be deliverable to a fire, in area of operations, within 15 minutes of detection.

In lieu of the above tank trailer or water supply for helicopter operations, Purchaser may provide a suitable helicopter water bucket with a 300 gallon capacity. When Purchaser provides a water bucket, a water source shall be provided within 5 minutes round trip flight time from operating side.

F. Communications.

During Purchaser's Operations, excluding powersaw falling and bucking, Purchaser shall provide adequate two-way communication facilities to report a fire to Forest Service within 15 minutes of detection. Citizen band radios (CB's) are not considered adequate two-way communications because FCC Regulations prohibit commercial use.

G. Smoking and Open Fire Restrictions. Smoking and fires shall be permitted only at the option of Purchaser. Purchaser shall not permit open fires on Sale Area without advance permission in writing from Forest Service.

H. Blasting.

Blasting shall be permitted only for road construction purposes unless advance permission is obtained from Forest Service.

Whenever the Industrial Fire Precaution Level is II or greater, a fire security person equipped with a long handled round point No. 0 or larger shovel and a 5 gallon backpack pump can filled with water, will stay at location of blast for 1 hour after blasting is done. Blasting may be suspended by Forest Service, in areas of high rate of spread and resistance to control.

Fuses shall not be used for blasting. Explosive cords shall not be used without permission of Forest Service, which may specify conditions under which such explosives may be used and precautions to be taken.

I. Compliance with State Fire Laws.

Listing of specific fire precautionary measures in the foregoing Subsections is not intended to relieve Purchaser in any way from compliance with State fire laws covering fire prevention and suppression equipment, applicable to Purchaser's Operations.

J. Aircraft Communications.

Every aircraft used in conjunction with Purchaser's Operations shall be equipped with an operable radio system. The radio system shall be capable of transmitting and receiving on VHF frequency 122.85 Megahertz (MHz) with a minimum output of 5 watts at the transmitter. The system shall be located and installed so that the pilot can operate it while flying. A shielded all-weather broad-band antenna shall be part of the system. Radio and antenna shall be properly installed and maintained.

Upon discovery or notification of a fire on Sale Area, all aircraft pilots controlled by Purchaser shall monitor VHF frequency 122.85 MHz when within 5 miles of a fire and broadcast their intentions.

K. Logging Block Equipment.

Purchaser shall provide a serviceable 5 gallon backpack pump full of water, one axe, and one long handled round point shovel, size 0 or larger, at each haulback block through which a running line passes.

The area below such blocks must be kept clear of all flammable debris under 4 inches in diameter for a distance of 6 feet in all directions. Material larger than 4 inches that poses a fire risk, such as punky logs, must also be removed.

Purchaser shall avoid line-rub on rocks or woody material which may result in sparks or sufficient heat to cause ignition of fire.

CT7.201 - BURNING BY PURCHASER (01/1993)

Notwithstanding the Fire Precautionary Period limitation of BT7.2, the Purchaser is required to obtain written permission from the Forest Service prior to any burning on the National Forest Lands.

CT7.22 - EMERGENCY FIRE PRECAUTIONS (06/2018)

Purchaser shall restrict operations in accordance with the Industrial Fire Precaution Levels attached. Forest Service may change the Industrial Fire Precaution Levels to other values upon revision of the National Fire Danger Rating System and may change the specific Industrial Fire Precaution Levels when such changes are necessary for the protection of the National Forest. When sent to Purchaser, the revised Industrial Fire Precaution Levels will supersede the attached levels.

INDUSTRIAL FIRE PRECAUTIONS SCHEDULE

LEVEL I. FIRE SEASON

Fire season requirements are in effect. In addition to other fire prevention measures, a Firewatch is required at this and all higher levels unless otherwise waived

LEVEL II. LIMITED SHUTDOWN

The following may operate only between the hours of 8 P.M. and 1 P.M.:

- Power saws except at loading sites;
- Feller-bunchers with rotary head saws;
- Cable yarding;
- Blasting;
- Welding, cutting, or grinding of metal.

LEVEL III. RESTRICTED SHUTDOWN

Cable yarding is prohibited except that gravity operated logging systems employing non-motorized carriages or approved motorized carriages (defined below), may operate between 8 P.M. and 1 P.M. when all blocks and moving lines are suspended 10 feet above the ground except the line between the carriage and the chokers and during rigging.

The following are permitted to operate between the hours of 8 P.M. and 1 P.M. where mechanized equipment capable of constructing fire line is immediately available to quickly reach and effectively attack a fire start:

- Ground-based operations (defined below);
- Power saws on ground-based operations;
- Rotary head saw feller-bunchers with a continuous Firewatch;
- Non-rotary head saw feller-bunchers;
- Tethered logging systems (defined below).

The following are permitted to operate between the hours of 8 P.M. and 1 P.M.:

- Power saws at loading sites;
- Loading or hauling of any product or material;
- Blasting;
- Welding, cutting, or grinding of metal;
- Any other spark emitting operation not specifically mentioned.

LEVEL IV. COMPLETE SHUTDOWN

All operations are prohibited.

NOTE: Where hauling involves transit through more than one shutdown/regulated use area, the precaution level at the woods loading site shall govern the level of haul restriction, unless otherwise prohibited by other than the IFPL system. Under IFPL III, all trucks must be loaded and leaving the loading site no later than 1 P.M.

IFPL Definitions:

- >Approved motorized carriage: a cable yarding system employing a motorized carriage with two fire extinguishers, each with at least a 2A:10BC rating, mounted securely on opposite sides of the

Sale Name: B & B SBA

carriage, an emergency motor cutoff, and an approved exhaust system.

>Cable yarding system: a yarding system employing cables, and winches in a fixed position.

>Fire Season: that season of the year when a fire hazard exists as declared by the responsible agency official.

>Ground-based operations: mobile and stationary equipment operations other than cable yarding systems, including but not limited to tractor/skidder, feller-buncher, forwarder, processor, and shovel operations.

>Loading sites: a place where any product or material (including, but not limited to logs, firewood, slash, soil, rock, poles, etc.) is placed in or upon a truck or other vehicle. Loading site shall govern the level of haul restriction, unless otherwise prohibited by other than the industrial precaution level system.

>Tethered logging system: winch-assisted, cable-assisted, traction-assisted, etc., which enable ground-based timber harvesting machines to operate on steep slopes.

Waivers:

Advance written waiver of the above precautions may be issued by the Contracting Officer or Forest Service Representative for any and all activities. Activities for which waivers may be issued include, but are not limited to:

>Mechanized loading and hauling.

>Road maintenance such as sprinkling, graveling, grading and paving.

>Cable yarding using gravity systems or suspended lines and blocks, or other yarding systems where extra prevention measures will significantly reduce the risk of fire.

>Power saws at loading sites or in felling and bucking where extra prevention measures will significantly reduce the risk of fire.

>Maintenance of equipment (other than metal cutting and welding) or improvements such as structures, fences and powerlines.

Purchaser shall submit written waiver, or substitute precautions under BT7.21, with specific measures to be taken by Purchaser to reduce the risk of ignition, and/or the spread of fire. The Contracting Officer or Forest Service Representative shall consider site specific weather factors, fuel conditions, and specific operations that result in less risk of fire ignition and/or spread than contemplated when precaution level was predicted. Consideration shall also be given to measures that reduce the precaution levels above. Purchaser shall assure that all conditions of such waivers or substitute precautions are met.

Forest Service will inform Purchaser when changes in restrictions or industrial precautions are indicated.

CT8.13 - DISCLAIMER OF EXPRESSED OR IMPLIED WARRANTY (09/2004)

Purchaser and Forest Service hereby agree, acknowledge, and accept that there is no expressed or implied warranty provided by the Forest Service that guarantees the Purchaser will be allowed to complete the removal of products sold under the terms of the contract. Upon execution of the contract, Purchaser hereby acknowledges the acceptance of the risk that this contract is subject to interruption or termination as a result of litigation associated with the environmental analysis process used by the Forest Service in the planning of this timber sale. If such interruption or termination occurs due to litigation, Purchaser agrees to accept as full compensation for such interruption remedies pursuant to BT8.33, or for termination remedies pursuant to BT8.34.

CT8.212 - MARKET-RELATED CONTRACT TERM ADDITION (11/2008)

The term of this contract may be adjusted when a drastic reduction in wood product prices has occurred in accordance with 36 CFR 223.52. The Producer Price Index used to determine when a drastic reduction in price has occurred is stated in AT17. Purchaser will be notified whenever the Chief determines that a drastic reduction in wood product prices has occurred. If the drastic reduction criteria specified in 36 CFR 223.52 are met for 2 consecutive calendar quarters, after contract award date, Contracting Officer will add 1 year to the contract term, upon Purchaser's written request. For each additional consecutive quarter such a drastic reduction occurs, Contracting Officer will, upon written request, add an additional 3 months to the term during Normal Operating Season, except that no single 3-month addition shall extend the term of the contract by more than one year. Contracting Officer must receive Purchaser's written request for a market-related contract term addition before the expiration of this contract.

No more than 3 years shall be added to a contract's term by market-related contract term addition unless the following conditions are met:

(i) The sale was awarded after December 31, 2006; and

(ii) A drastic reduction in wood product prices occurred in at least ten of twelve consecutive quarters during the contract term, but not including the quarter in which the contract was awarded.

For each qualifying quarter meeting the criteria in paragraphs (i) and (ii) of this provision, the Forest Service will, upon the Purchaser's written request, add an additional 3 months during the normal operating season to the contract, except no single 3-month addition shall extend the term of a contract by more than 1 year.

In no event shall a revised contract term exceed 10 years as a result of market-related contract term addition.

Additional contract time may not be granted for those portions of the contract that have a required completion date or for those portions of the contract where Contracting Officer determines that the timber is in need of urgent removal or that timber deterioration or resource damage may result from delay.

CT8.4 - PERFORMANCE BY OTHER THAN PURCHASER (04/2004)

This provision adds subparagraph (b) (iii) to BT8.4 as follows:

(iii) Specifically assumes in writing the obligations of Purchaser as listed in Small Business Certification executed by Purchaser and attached to and made a part of this contract.

CT8.64 - DEBARMENT AND SUSPENSION CERTIFICATION (03/2018)

Pursuant to 2 CFR 180 and 2 CFR 417, Purchaser shall certify and obtain certifications from its Subcontractors regarding debarment, suspension, ineligibility, and voluntary exclusion, including additional Subcontractors obtained after award of this contract. 'Subcontractors' are participants in lower tier covered transactions.

Purchaser may rely upon a certification of a prospective Subcontractor that it is not proposed for debarment under 48 CFR 9.4, debarred, suspended, ineligible, or voluntarily excluded from participating in covered transactions or timber sales, unless Purchaser knows that the certification is erroneous.

Purchaser shall keep the certifications of its Subcontractors on file until timber sale Termination Date and any extensions thereof, and will provide a copy at the written request of Contracting Officer. Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render in good faith the certification required by this Subsection. The knowledge and information of Purchaser is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.

If Purchaser knowingly enters into a timber sale transaction with a person who is proposed for debarment under 48 CFR 9.4, suspended, debarred, ineligible, or voluntarily excluded from participation in covered transactions or timber sales, in addition to other remedies available to the Government, Forest Service may pursue available remedies, including suspension and/or debarment.

Contracting Officer shall provide a copy of Forms AD-1047, Certification Regarding Debarment, Suspension and Other Responsibility Matters-Primary Covered Transactions, and AD-1048, Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion-Lower Tier Covered Transactions to the Purchaser.

Purchaser shall complete form AD-1047 and provide to the Contracting Officer upon request.

Purchaser shall require each Subcontractor to complete form AD-1048 and provide to the Contracting Officer upon request.

CT8.66# (Option 1) - USE OF TIMBER (04/2004)

(a) This contract is subject to the Forest Resources Conservation and Shortage Relief Act of 1990, as amended (16 USC 620, et seq.).

(b) Except for NONE determined pursuant to public hearing to be surplus, unprocessed Included Timber shall not be exported from the United States nor used in direct or indirect substitution for unprocessed timber exported from private lands by Purchaser or any person as defined in the Act (16 USC 620e).

(c) Timber in the following form will be considered unprocessed:

(i) Trees or portions of trees or other roundwood not processed to standards and specifications suitable for end product use;

(ii) Lumber, construction timbers, or cants intended for remanufacturing not meeting standards defined in the Act (16 USC 620e); and

(iii) Aspen or other pulpwood bolts exceeding 100 inches in length.

(d) Unless otherwise agreed in writing, unprocessed Included Timber shall be delivered to a domestic processing facility and shall not be mixed with logs intended for export.

(e) Prior to award, during the life of this contract, and for a period of 3 years from Termination Date, Purchaser shall furnish to Forest Service, upon request, records showing the volume and geographic origin of unprocessed timber from private lands exported or sold for export by Purchaser or affiliates.

(f) Prior to delivering unprocessed Included Timber to another party, Purchaser shall require each buyer, exchangee, or recipient to execute an acceptable agreement that will:

(i) Identify the Federal origin of the timber;

(ii) Specify domestic processing for the timber involved;

(iii) Require the execution of such agreements between the parties to any subsequent transactions involving the timber;

(iv) Require that all hammer brands and/or yellow paint must remain on logs until they are either legally exported or domestically processed, whichever is applicable; and

(v) Otherwise comply with the requirements of the Act (16 USC 620d).

(g) No later than 10 days following the execution of any such agreement between Purchaser and another party, Purchaser shall furnish to Forest Service a copy of each such agreement. Purchaser shall retain, for 3 years from Termination Date, the records of all sales, exchanges, or dispositions of all Included Timber.

(h) Upon request, all records dealing with origin and disposition of Included Timber shall be made available to Contracting Officer.

(i) For breach of this Subsection, Forest Service may terminate this contract and take such other action as may be provided by statute or regulation, including the imposition of penalties. When terminated by Forest Service under this Subsection, Forest Service will not be liable for any Claim submitted by Purchaser relating to the termination.

CT8.73 - REQUIREMENT FOR SMALL BUSINESS PROCESSING (04/2004)

To meet the requirements of the small business timber sale set-aside program, Purchaser shall not sell, trade, exchange, or otherwise convey for processing more than 30 percent (50 percent in Alaska) of the advertised sawtimber volume of this sale to a concern that is not a small business within the meaning of the small business size regulations found in 13 CFR 121.507.

Purchaser shall, at the time of execution of this contract, complete the "Small Business Certification" (SBA form 723) and submit it to Contracting Officer. The completed certification together with its provisions pertaining to the disposition, manufacturing, and record keeping requirements of Included Timber by Purchaser and other small business concerns is hereby made a part of this contract.

Upon request of Contracting Officer or an officer of the Small Business Administration, Purchaser shall furnish all records sufficient to verify eligibility and compliance with the requirements of this program. Such records may include employee payroll records, disposition of Included Timber records, and other documents as necessary.

Failure to provide records upon request, filing false information, or making false statements relating to SBA size status or failing to comply with the disposition and manufacturing requirements of Included Timber shall be considered a breach of this Subsection and may result in termination of this contract pursuant to BT9.31.

WALLOWA-WHITMAN
SPECIAL PROJECT SPECIFICATION (2/06)

T-803F SNOW REMOVAL

803.01 Description

This Section provides for removal of snow from roads to facilitate logging operations and safe use.

803.02 Maintenance Requirements

a. If Purchaser elects to remove snow, meet the following requirements:

- (1) Purchaser shall erect signs during periods when snowplowing takes place to meet the intent of B6.33.
- (2) Perform work in a manner to preserve and protect roads and appurtenances, and to prevent erosion damage to roads, streams, and other Forest values.
- (3) Do not undercut banks or blade gravel or other surfacing material off the road.
- (4) Keep roadbed drainage ditches, drain dips, and culverts functional when needed during operations and upon completion of operations.
- (5) Control snow removal to identify the usable traveled way having roadbed support. Reshape over-width plowing as necessary to define the usable width.
- (6) Space, construct, and maintain drainage holes in the dike of snow or berm caused by snow removal operations. Place drain holes to obtain surface drainage without discharging on erodible fills.
- (7) Close roads to wheeled vehicles at times and in the manner specified in C(T)5.12 or the Road Rules document.
- (8) Upon seasonal completion of Purchaser's Operations, effectively block the road by a snow barricade, unless otherwise agreed.
- (9) Remove snow for either public access or project use as established in C(T)5.31 and meet the following requirements:
 - (a) Removal for Public Access (Method JU) - Remove snow from all of the traveled way, including turnouts, for safe and efficient use for both timber transportation and the public. Remove intruding windfalls, debris, or slough and

slide material for the full width of the traveled way and deposit out of drainage's at agreed upon locations.

(b) Removal for Project Use (Method TS) - Remove snow from all or part of the traveled way, including sufficient turnouts for safe and efficient use for timber transportation and to protect the road. Remove intruding windfalls, debris or slough and slide material and dispose of only as necessary to provide passage for timber transportation. Removed materials may be deposited off the traveled way or outside the traveled way at agreed upon locations.

(10) Upon notice replace in kind, within sixty (60) days after the start of Normal Operating Season, any surfacing material which has been bladed off the road, unless otherwise agreed. Forest Service will notify Purchaser in writing as to the cubic meter equivalent of bladed off material by the start of the normal operating season.

803.03 Equipment

Purchaser may use any type of equipment to remove snow, providing:

- a. Type or use of equipment is not restricted in C(T)5.12 or Road Rules document.
- b. Equipment is of the size and type commonly used to remove snow and will not cause damage to the road.
- c. The use of plows or dozers to remove snow requires written Forest Service approval. Equip plows or dozers with shoes or runners to keep the dozer blade a minimum of 50 mm (2 inches) above the road surface unless agreed otherwise.

803.04 Ice Control

Ice control may be performed by Purchaser when approved by Forest Service in writing. Such approval will include ice control materials, application rates, and any specific requirements of use.

WALLOWA-WHITMAN
SPECIAL PROJECT SPECIFICATION (2/06)

T-811F BLADING

811.01 Description -

This work consists of surface blading the traveled way to a condition to facilitate traffic and provide proper drainage. Blading includes shaping the crown or slope of traveled way, berms, and drainage dips in accordance with this specification. Compaction is required when shown on the Road Listing.

811.02 Maintenance Requirements

- A. Timing - Perform surface blading during the contract period as often as needed to provide conditions stated for the maintenance level of the road.
- B. General -
1. Blade and shape the existing traveled way and shoulders, including turnouts, to produce a surface which is uniform, consistent to grade, and crowned or cross-sloped as indicated by the character of the existing surface, unless otherwise shown in the Road Listing, to at least 13 mm ($\frac{1}{2}$ inch) per .305 meter (1 foot) of width, but not more than 19 mm ($\frac{3}{4}$ inch) per .305 meter (1 foot) of width. Thoroughly loosen surfacing material to no less than 50 mm (2 inches) depth or the depth of potholes or corrugations. Scarification to facilitate cutting to the full depth of potholes or corrugations may be elected, but will be considered incidental to blading. Do not scarify deep enough to cause contamination of the surfacing.
 2. Apply water during blading when sufficient moisture is not present to prevent segregation. Supply, haul, and apply water in accordance with Section T-891F.
 3. Shape existing native rock or aggregate surfaced drainage dips to divert surface runoff to existing outlet devices, ditches, or discharge locations.
 4. Establish a blading pattern which provides a uniform driving surface, retains the surfacing on the roadbed, and provides a thorough mixing of the materials within the completed surface width. Upon final blading, no disturbed rock shall protrude more than 50 mm (2 inches) above the adjacent surface unless otherwise provided in the contract. Remove and place outside the roadbed material not meeting this dimension so as not to obstruct drainageways or structures. This material may be scattered off the roadbed if there is free drainage.

C. Routine Blading -

1. Conform to the dimensions SHOWN IN CONTRACT PROVISION C(T)5.31#.
2. Shape roadbed width in excess of the dimensions shown only as needed to provide drainage away from the traveled way. Do not remove established grasses and other vegetation from the excess width except as incidental to providing drainage or unless otherwise provided in the contract.

D. Compaction -

When compaction is required, the method of compaction will be as shown in the Road Listing [C(T)5.31#]. Compaction shall commence immediately following blading.

Compaction methods are:

Compaction Method A: By breaking track while operating equipment on the traveled way.

Compaction Method B: 7-9 metric ton (7-10 ton) pneumatic, steel, or equivalent vibratory roller, operated to cover the full width two (2) times.

E. Undercutting - Undercutting roadway back slope is not permitted.

F. Intersections

1. At intersections, blade the roadbeds of side roads which are not closed or restricted from vehicular use to ensure smooth transitions. Maximum distance not to exceed 15 m (50 feet) onto adjacent roads.
2. Blading shall not be required of intersecting roads if roads are listed under C(T)5.31 Sections T-838F, or T-839F. This includes any roads with signing, cross ditching in the road surface (traveled way), earth berms, or other devices placed to discourage or eliminate use.

G. Cleaning of Structures - Do not allow materials resulting from work under this Section to remain on or in structures, such as bridges, culverts, cattle guards, or drainage dips.

H. Berms - Maintain existing berms to the condition of adjacent segments. Do not create new berms (windrows).

- I. Smooth blading - Smooth blading may be used as an interim measure to remove loose surfacing material from the wheel paths, and store removed materials in a recoverable windrow, until blade processing as described in this section is feasible. Watering will not be required for smooth blading. Accomplish smooth blading without distorting the existing cross-slope or crown of the traveled way.

Move and store loose surfacing materials on the high side of super-elevated curves and sections with uniform inslope or outslope. In crowned sections, store the material on either or both sides as elected. Windrow and place stored materials to provide not less than 3.6 meters (12 feet) of smooth traveled way on one-lane segments, or 6 meters (20 feet) of smooth traveledway on two-lane segments, or segments with turnouts. Cut holes through windrows, which may collect water on the road, for drainage at least every 150 meters (500 feet).

- J. Where conditions warrant, Utah Dips or other surface cross drains may be removed and or installed/ reinstalled as agreed to in writing by the Forest Service.

WALLOWA-WHITMAN
SPECIAL PROJECT SPECIFICATION (2/06)

T-812F - DUST ABATEMENT

812.01 Description

This work consists of applying dust palliatives on roads shown in the Road Listing.

812.02 Materials

The dust palliative materials are shown in the road listing, unless shown as Optional for Purchaser's election. When optional ('OPT') is listed in C(T)5.31# under the product listing, the purchaser shall have the option to place the chemical shown below in B., C., D., or E., or any other chemical approved in writing by the Forest Service. Dust palliative materials shall meet the following requirements:

A. Water (H₂O) will be obtained from sources SHOWN ON THE DRAWINGS or listed in the SPECIAL PROJECT SPECIFICATIONS to Section T-891F Water Supply, unless otherwise agreed.

B. Lignin Sulfonate (LIG S) is the chemical residue produced as a by-product of the acid sulfite pulping process, and supplied as a water solution. The base solution is ammonia, calcium, or sodium and is water soluble to allow field dilution. Provide certification that the material meets the requirements of Subsection 725.20 of the "Standard Specifications for Construction of Roads and Bridges on Federal Highway Projects", FP-03.

C. Magnesium Chloride (MG CL₂) is the liquid residue of evaporative mineral recovery processes. Provide certification that that the material meets the requirements of Subsection 725.02 of the "Standard Specifications for Construction of Roads and Bridges on Federal Highway Projects", FP-03.

D. Calcium Chloride Brine (CA CL₂B). Provide certification that the material meets the requirements of Subsection 725.02 of the "Standard Specifications for Construction of Roads and Bridges on Federal Highway Projects", FP-03.

E. Calcium Chloride Flake (CA CL₂F). Provide certification that that the material meets the requirements of Subsection 725.02 of the "Standard Specifications for Construction of Roads and Bridges on Federal Highway Projects", FP-03.

812.03 Methods

When 'ALL' is shown in C(T)5.31 under the product listing, the purchaser may utilize any method or combination of methods, including water, reducing the number of loads, varying the time of day the loads are hauled, etc., to decrease or eliminate the need for dust abatement.

812.04 Equipment

- A. Design, equip, and operate application equipment for spreading dust palliatives so that the material is uniformly applied at the rate and traveled way widths shown in the Road Listing.
- B. Accomplish dilution of dust palliatives within the application vehicle with the water source protected from contamination. Circulate the resulting mixture at least five (5) minutes to ensure uniform mixing prior to application.

812.05 Maintenance Requirements

- A. Application of dust abatement materials or methods shall control dust to prevent excessive loss of road materials and provide for user safety. Limit water applications to abatement for hauling vehicles and provide at a frequency and rate which controls dust such that vehicle tail lights and turn signals remain visible. Vary rates of application as needed but remain low enough to avoid forming rivulets. Accomplish the abatement by sufficient frequency of application without saturating and softening the traveled way. Compacted or glazed road surface or wheel tracks may be loosened as needed for water penetration.
- B. Apply all other dust palliatives at the rates and times agreeable to the Government. The Road Listing shows the expected average application rate and may be varied to meet field conditions. Lignin Sulfonate, Magnesium Chloride, and Calcium Chloride Brine are listed as liters per square meter (or gallons per square yard) of the undiluted product at fifty (50), thirty-three (33), and thirty-eight (38) percent respectively. Calcium Chloride Flake is listed in Kilograms per square meter (or pounds per square yard) at seventy-seven (77) percent concentration.

C. Prior to initial application, when needed, the road will be bladed and shaped under Section T-811F, Blading.

D. Required subsequent applications may be applied to the existing road surface without blading.

E. Dust palliatives will not be applied in a manner that spatters or mars adjacent structures or trees, or placed on or across cattleguards or bridges. Discharge dust abatement material only on roads approved by the Government.

WALLOWA-WHITMAN
SPECIAL PROJECT SPECIFICATION (1/07)

T-813F SURFACING

813.01 Description

This work consists of placing surface aggregate as staked on the ground, or designated by the Government. It includes preparing the area, furnishing, hauling, and placing all necessary materials and other work necessary to blend with the adjacent road cross section.

813.02 Materials

A. Materials will be Government-furnished unless otherwise stated in C(T) 5.31#. The codes shown in the road listing will be defined as follows:

GFM: government furnished material. Material Source for pit run is located: FSR 4300301 Material Source Stockpile (Gate to remain closed except for vehicular passage).

P: Purchaser is required to place this gradation of rock, obtained from a commercial source.

D: Purchaser is required to pay deposits to the Forest Service in lieu of placement of surfacing.

D3: Purchaser is required to pay deposits to a third party in lieu of placement of surfacing.

B. Materials furnished by the Purchaser shall reasonably conform to the gradation shown in C(T)5.31# and Section 703 of the "Forest Service Standard Specifications for Construction of Roads and Bridges," EM-7700-100, August 1996. Material shall be approved in writing by the Forest Service prior to placement.

C. Quantities shown in C(T)5.31# are measured in place.

813.03 Maintenance Requirements

A. Thoroughly loosen the area to be surfaced to a minimum depth of 25 mm (1 inch) prior to placement of aggregate.

B. Mixing and Placing

1. Mix surfacing and existing aggregate. Apply water in accordance with Section T-891F during blading when sufficient moisture is not present to prevent segregation. Uniformly mix–aggregate prior to final shaping and compaction.
2. Spread the material on the prepared area in layers no more than 100 mm (4 inches) in depth. When more than one (1) layer is required, shape and compact each layer before the succeeding layer is placed. Upon completion, the surfacing shall reasonably conform to the adjacent cross section and provide smooth transitions in the road profile.
3. Accomplish compaction by one of the following methods, as shown in C(T) 5.31#:

Compaction Method A: By breaking track while operating equipment on the traveled way.

Compaction Method B: 7-9 metric ton (7-10 ton) pneumatic, steel, or equivalent vibratory roller, operated to cover the full width two (2) times.

WALLOWA-WHITMAN
SPECIAL PROJECT SPECIFICATION (2/06)

T-831F DITCH MAINTENANCE

831.01 Description

This Section provides for routine maintenance of various types of ditches to provide a waterway which is unobstructed, as shown on the road listing or marked on the ground.

831.02 Maintenance Requirements

- A. Maintain ditches by removing rock, soil, wood, and other materials. Maintained ditches shall function to meet the intent of the original design.
- B. Undercutting backslopes during removal operations is not permitted.
- C. Suitable material up to 100 mm (4 inches) in greatest dimension removed from the ditches may be blended into existing native road surface and shoulder or placed in designated berm.
- D. Do not blend material from ditch cleaning operations into aggregate surfaced roads. Do not blade material across aggregate or bituminous surfaced roads, unless approved in writing by the Government.
- E. Haul material in excess of 831.02 D or subject to 831.02 E to a designated waste area under Section T-832F. Remove excess materials temporarily stored on the ditch slope or edge of the shoulder daily.
- F. Remove limbs and wood chunks in excess of 300 mm (12 inches) in length or 75 mm (3 inches) in diameter from ditches and place outside the roadway.
- G. Clean paved surfaces of all materials resulting from ditch maintenance work.
- H. Shape lead-off ditches to drain away from the traveled way.

WALLOWA-WHITMAN
SPECIAL PROJECT SPECIFICATION (2/06)

T-832F REMOVE AND END HAUL MATERIALS

832.01 Description

Work consists of loading, hauling, and placing of slide, slough, or excess materials such as rock, soil, vegetation, and other materials to designated disposal sites.

832.02 Maintenance Requirements

A. Remove, end haul, and dispose of excess materials generated by work under other Sections of this contract.

B. Remove the slide and slough materials in the area extending approximately 2 meters (6 feet) vertically above the road surface and not more than 1 meter (3 feet) downslope from the roadbed.

Disposal locations for material generated under this specification shall be staked on the ground by the Forest Service, unless otherwise shown below:

Disposal Site(s): As staked by Forest Service

Material shall be placed by Method Optional, as listed in D.

Reshape the slope which generated the slide material as nearly as practical to its original condition by equipment operating from road surface. Reshaping of roadside ditches in slide area shall be in accordance with Section T-831F.

C. When approved by the Government, fill slumps by compacting selected materials into roadway depressions. Compaction is by Method 2.

D. Disposal methods are listed below:

1. Method 1 - Side Casting and End Dumping. Material may be placed by side casting and end dumping. Where materials include large rocks, provide a solid fill by working smaller pieces and fines into voids. Shape the finished surfaces to drain.

2. Method 2 Layer Placement - Step or roughen surfaces on which materials are to be placed prior to placing any material. Place materials in approximately horizontal layers no more than 300 mm (12 inches) thick. Compact each layer by operating hauling and spreading equipment over the full width of each layer.

E. Repair any damage to existing aggregate or pavement surfaces.

WALLOWA-WHITMAN
SPECIAL PROJECT SPECIFICATION (2/06)

T-834F DRAINAGE STRUCTURE MAINTENANCE

834.01 Description

This work consists of cleaning and reconditioning culverts and other drainage structures.

834.02 Maintenance Requirements

- A. Clean drainage structures, inlet/outlet structures, culverts, catch basins, and outlet channels when there are obvious obstructions, impediments, or diversions to water flow. Material shall be removed from catch basins in accordance with Drawing #CB-1. All removed material shall be disposed of in accordance with T-832F.
- B. Clean the transition from the ditch line to the catch basin a distance of 3 meters (10 feet) from the catch basin. Clean outlet channels and lead-off ditches a distance of 2 meters (6 feet). Remove and place debris and vegetation so as to not enter the channel or ditch, or obstruct traffic. Haul debris and vegetation to a designated disposal area in accordance with Section T-832F.
- C. Hydraulic flushing of drainage structures is not allowed unless approved in writing by the Forest Service.
- D. Cleaning and reconditioning are limited to the first 1 meter (3 feet) of inlet and outlet, determined along the top of the structure. Recondition culvert inlet and outlet by field methods such as jacking out or cutting away damaged metal which obstructs flow. Treat cut edges with a zinc rich coating to reduce or eliminate rusting, in accordance with manufacturer's recommendations.
- E. Specific drainage maintenance requirements are shown on the Drainage Maintenance Listing (DML):

DML Attached ☐

No DML Attached ☒

* Performance of the maintenance shown the DML, unless specifically stated, does not relieve the contractor of the requirement to perform maintenance as shown in A, above.

WALLOWA-WHITMAN
SPECIAL PROJECT SPECIFICATION (3/08)

T-836F MAINTENANCE FOR LIMITED USE

836.01 Description

This work consists of making limited use roads passable for JOINT use by Purchaser and high clearance vehicles, and providing drainage from the traveled way and roadbed.

836.02 Maintenance Requirements

A. Traveled Way

Purchaser may smooth or fill existing cross ditches and waterbars and by agreement modify existing road junctions to enable vehicle access. Prior to beginning haul and resumption of haul after an extended stoppage:

1. Remove brush, fallen trees, rocks, and other debris from traveled way, including turnouts, turnarounds, and other locations that interfere with needed maintenance as follows:
 - a. No object extending over 100 mm (4 inches) above the road surface shall remain within the 3.6 m (12 feet) usable traveled way and 3 m (10 feet) turnout widths. Center the usable width on the roadbed or position away from the fill slope.
 - b. Cut and remove standing or down trees, logs, brush, and limbs from within the area described in 1 (a) above. Remove encroaching limbs to a height of 4.2 m (14 feet) above the traveled way surface. Scatter material not meeting utilization standards outside and below the roadbed on the fill side. Limb and buck timber meeting utilization standards in accordance with contract provisions and deck at approved locations. Volume shall be estimated and documented prior to a written agreement for removal in accordance with contract provisions.
 - c. Place all removed materials away from drainage's.
 - d. During use, maintain drainage structures, including dips, ditches and culverts in a useable condition.
2. Clean and recondition drainage facilities in accordance with: Section T-831F and T-834F.

B. Slough and Slides

1. Slough and slides may be left in place, provided surface drainage is provided and at least 3.6 m (12 feet) of width is available for vehicle passage.
2. Purchaser may reposition or ramp over slides and slough when the traveled way is less than 3.6 m (12 feet) providing the material is capable of supporting vehicles. Limit outslope to no more than six percent.
3. Reposition slough or slide materials on the roadbed which are not capable of supporting a vehicle to provide the 3.6 m (12 feet) width. When directed by Forest Service, slough or slide material will be removed under Section T-832F.

C. Slumps and Washouts

1. Drain the roadbed immediately upgrade of slumps and longitudinal cracks to prevent water from entering slump area.
2. Slumps and longitudinal cracks at the edge of the roadbed shall not be considered a part of the usable width. Usable width may be reduced to 3 m (10 feet) in the area of the slump.
3. Unless Forest Service agrees to material being placed on slumps, ramp the slumps on both ends into undisturbed roadbed to provide at least 3 m (10 feet) usable width. Use removed materials to guide vehicles to the ramp location or to aid in draining the area.
4. Washouts may be filled with suitable material.

D. Posthaul

At the end of hauling or prior to entering into seasonal shutdowns or a period of extended inactivity:

1. Shape the traveled way and disturbed roadbed to provide functional drainage.
2. Reinstall removed cross ditches and waterbars and provide any additional drainage structures necessary to offset changes caused through use and maintenance. Reference drawing(s) as indicated in C(T) 5.31#.

3. Leave roads useable for high clearance vehicles. Remove or reshape purchaser modifications at road junctions to leave the entrance as it was before use, or as agreed at the time of improvement.

WALLOWA-WHITMAN
SPECIAL PROJECT SPECIFICATION (3/08)

T-838F MAINTENANCE FOR HIGH CLEARANCE VEHICLE USE

838.01 Description

This work consists of making limited use roads passable for PROJECT use by Purchaser and providing drainage from the traveled way and roadbed.

838.02 Maintenance Requirements

A. Traveled Way

Purchaser may smooth or fill existing cross ditches and waterbars and by agreement modify existing road junction to enable vehicle access. Prior to beginning haul and resumption of haul after an extended stoppage:

1. Remove brush, fallen trees, rocks, and other debris from traveled way, including turnouts, turnarounds, and other locations that interfere with needed maintenance as follows:
 - a. No object extending over 100 mm (4 inches) above the road surface shall remain within the 3.6 m (12 feet) usable traveled way. Center the usable width on the roadbed or position away from the fill slope.
 - b. Cut and remove standing or down trees, logs, brush, and limbs from within the area described in 1(a). Remove encroaching limbs to a height of 4.2 m (14 feet) above the traveled way surface. Scatter material not meeting utilization standards outside and below the roadbed on the fill side. Limb and buck timber meeting utilization standards in accordance with contract provisions and deck at approved locations. Volume shall be estimated and documented prior to a written agreement for removal in accordance with contract provisions.
 - c. Place all removed materials away from drainages.
 - d. During use, maintain drainage structures including dips, ditches and culverts in a usable condition.
2. Clean and recondition drainage facilities in accordance with Section T-831F and T-834F.

B. Slough and Slides

1. Slough and slides may be left in place, provided surface drainage is provided and at least 3.6 m (12 feet) of width is available for vehicle passage.
2. Purchaser may reposition or ramp over slides and slough when the traveled way is less than 3.6 m (12 feet) providing the material is capable of supporting vehicles. Limit outslope to no more than six percent.
3. Reposition slough or slide materials, which are not capable of supporting a vehicle, on the roadbed to provide the 3.6 m (12 feet) width. When directed by Forest Service, slough or slide material will be removed under Section T-832F.

C. Slumps and Washouts

1. Drain the roadbed immediately upgrade of slumps and longitudinal cracks to prevent water from entering slump area.
2. Slumps and longitudinal cracks at the edge of the roadbed shall not be considered a part of the usable width. Usable width may be reduced to 3 m (10 feet) in the area of the slump.
3. Unless Forest Service agrees to material being placed on slumps, ramp the slumps on both ends into undisturbed roadbed to provide at least 3 m (10 feet) usable width. Use removed materials to guide vehicles to the ramp location or to aid in draining the area.
4. Washouts may be filled with suitable material.

D. Posthaul

At the end of hauling or prior to entering into seasonal shutdowns or a period of extended inactivity:

1. Shape the traveled way and disturbed roadbed to provide functional drainage.
2. Reinstall removed cross ditches and waterbars and provide any additional drainage structures necessary to offset changes caused through use and maintenance. See attached drawings, as specified in C(T) 5.31#.

3. Leave roads useable for high clearance vehicles. Remove or reshape purchaser modifications at road junctions to leave the entrance as it was before use, or as agreed at the time of improvement.

WALLOWA-WHITMAN
SPECIAL PROJECT SPECIFICATIONS (3/08)

T-839F MAINTENANCE FOR PROJECT USE

839.01 Description

Work consists of providing minimum access to Maintenance Level 1 (closed) roads required for Purchaser's Operations and preventing unacceptable resource or road damage.

839.02 Maintenance Requirements

- A. Purchaser is authorized to perform the following maintenance to provide vehicle passage and drainage:
1. Removing log, earth, and rock barriers and/or improving existing road junctions to enable vehicle access as mutually agreed.
 2. Smoothing or filling existing cross ditches and waterbars.
 3. Installing Purchaser-furnished culverts or other agreed temporary drainage structures for shallow stream crossings.
 4. Removing brush, fallen trees, rocks, and other materials from the traveled way and other locations that interfere with needed maintenance:
 - a. Place all removed materials away from drainage's.
 - b. Limb and buck timber meeting utilization standards in accordance with contract provisions and deck at approved locations. Volume shall be estimated and documented prior to a written agreement for removal in accordance with contract provisions. Scatter other woody materials, including limbs, off of and below the roadbed without creating concentrations.
 5. Clean and recondition drainage structures in accordance with Section T-831F and Section T-834F.
 6. Reposition or ramp over slough and slides to provide adequate width of traveled way material.
 7. Provide traveled way drainage above slumps and seal cracks in slump area. Unless Forest Service agrees to material being placed on slumps, ramp the slumps on both ends into undisturbed roadbed to provide usable width.

- B. During use, the traveled way shall not channel water along the road. Prior to seasonal periods of anticipated rains and runoff, additionally perform the following work:
1. Shape the traveled way and roadbed to drain.
 2. Reinstall removed cross ditches and waterbars and provide any additional drainage structures necessary to offset changes through use and maintenance.
 3. Perform work outlined in 839.02 A (5), (6), and (7).
 4. During periods of non use, replace original barrier or provide and maintain standard MUTCD, Type 3, barricades unless alternate type barriers are approved.

839.03 _Post Haul Requirements

This work consists of providing post haul drainage on roads.

A. Drainage

1. Upon completion of work, shape the roadway to provide for the removal of surface water. The roadway need not be passable to vehicles. Reinstall or repair waterbars, cross-drains, outlet ditches, or berms existing prior to the Purchaser's operation and/or construct additional devices as staked on the ground. Areas where water is ponded by existing centerline profile sags in through cuts may be left untreated. The following methods are acceptable for treatment of the traveled way:
 - (a) Method A: Outsloping the roadbed at not less than 13 mm (½ inch) per meter (yard) of width.
 - (b) Method B: Insloping the roadbed at not less than 13 mm (½ inch) per meter (yard) of width.
2. Unless otherwise approved by the Forest Service, water bars shall be installed in accordance with the drawings specified in C(T) 5.31#.
3. Continuous blade shaping of the roadbed is not required under this specification.
4. Drainage structures located in through fills and natural watercourses shall be fully functional without obstructions, including inlet and outlet channel within 6 meters (20 feet) of the structure.

5. Clean culverts and other fabricated structures to provide drainage from road ditches and make the ditch functional. Remove all purchaser-installed temporary drainage structures and reshape drainage to original contours. Removed structures shall become Purchaser's property to be removed from Government land.

B. Slides, Slumps and Slough

1. Slides and slough may be left in place, provided they do not impound water or divert water from watercourses. As necessary, reshape the various surfaces to provide drainage.

2. Provide drainage to effectively decrease or eliminate the entry of surface water into slides, slumps, and roadbed surface cracks. Place berms, waterbars or ditches as needed to intercept and remove runoff water from the roadbed. Surface seal cracks by covering over with native soil materials to prevent additional water entry and compact with equipment tires.

C. Entrance Devices

Upon completion of work, construct or replace entrance devices to effectively eliminate access by motorized vehicles.

Construct entrance device in accordance with the drawings indicated on the Road Listing C(T)5.31#.

D. Seeding

When required in C(T)5.31#, seed and fertilize all disturbed areas in accordance with requirements set forth in Section T-841F.

WALLOWA-WHITMAN
SPECIAL PROJECT SPECIFICATION (2/06)

T-842F CUTTING ROADWAY VEGETATION

842.01 Description

This work consists of cutting all vegetative growth, including trees and other vegetation less than 100 mm (4 inches) in diameter measured 150 mm (6 inches) above the ground, on roadway surfaces and roadsides.

842.02 Maintenance Requirements

A. General

1. Cut brush, trees, and other vegetation within each area treated to a maximum height of 150 mm (6 inches) above the ground surface or obstruction such as rocks or existing stumps. When work is performed under this Section, remove all limbs which extend into the treated area (shown in the Road Listing, C(T)5.31#), or over the roadbed, to a height of 4 m (14 feet) above the traveled way surface elevation.
 - a. When approved in advance by the Forest Service, a limited number of larger (greater than (4 inches) in diameter measured 150 mm (6 inches) above the ground) may be designated for cutting. If these trees meet utilization standards, they will be limbed and decked in areas designated by the Forest Service.
2. Items to remain will be marked on the ground.
3. Work may be performed either by hand or mechanically unless specifically shown in the Road Listing. Self-propelled equipment is not allowed on cut and fill slopes or in ditches.
4. Correct damage to trunks of standing trees caused by Purchaser's operation as directed by the Government.
5. Limb trees within the cutting limits which are over 100 mm (4 inches) - measured at 150 mm (6 inches) above the ground in lieu of cutting, unless otherwise designated by the Forest Service.
6. When trees are limbed, cut limbs flush with the trunk.

B. Cutting Side Vegetation

1. Show the width of vegetation to be removed in the Road Listing.

2. Unless otherwise approved or marked on the ground, commence work at the edge of the traveled way and proceed away from the road centerline.
3. The points for establishing cutting limits are as follows:
 - a. Fill and daylighted (wide roadbed) section cutting commences at the edge of the traveled way and proceeds away from the road center line.
 - b. Drainage ditched section cutting commences at the edge of the traveled way and proceeds away from the road center line.
 - c. Unditched cut section cutting commences at the intersection of the cutbank and the roadbed and proceeds away from center line.

C. Debris

1. Materials resulting from the cutting operation in excess of 300 mm (12 inches) in length or seventy-five (75) mm (3 inches) in diameter is not allowed to remain on roadway, slopes within the treated area, in ditches, or within water courses.
2. Remove limbs and chunks in excess of seventy-five (75) mm (3 inches) in any dimension from the traveled way and shoulders.
3. Materials shall be scattered downslope from the roadbed, outside of the work area and drainages.

WALLOWA-WHITMAN
SPECIAL PROJECT SPECIFICATION (2/06)

T-851F LOGGING OUT

851.01 Description

This work consists of removal of fallen trees and snags which encroach into the roadway.

851.02 Maintenance Requirements

- A. Limb and remove timber which meets Utilization Standards, or deck at agreed locations.
- B. For material within 1 meter (3 feet) of the traveled way which does not meet utilization standards, cut into lengths suitable for handling and scatter outside of the traveled way on the fill slope side (without damaging trees, or improvements), unless otherwise shown below.

Road No.	Disposal Method	Logging Out Distance from Shoulder	
		Left	Right
All	Scatter	5'	5'

C. Notwithstanding B(T)2.3, blowdown timber outside Sale Area required to be removed, which meets Utilization Standards in A(T)2, when agreed is Included Timber subject to requirements of B(T)2.2.

D. Do not leave woody debris and slash in concentrations which may plug ditches or culverts, drainage channels, or on traveled way, shoulders, or turnouts.

WALLOWA-WHITMAN
SPECIAL PROJECT SPECIFICATION (2/06)

T-854F TREATMENT AND DISPOSAL OF DANGER TREES

854.01 Description

This work consists of felling and disposal of designated live or dead danger trees sufficiently tall to reach roads used (including temporary roads) by the Purchaser. Any removal of logs is subject to prior agreement between the Forest Service and the Purchaser.

Road use for purchaser's operations and haul is contingent upon the required treatment of all danger trees regardless of when identified or marked for treatment.

854.02 Requirements

A. Designation of danger trees.

Danger trees to be felled will be designated in advance of commercial operations commencing. Identification of these trees may be made by the purchaser and/or the Forest Service. Marking of the designated trees shall be conducted by the Forest Service.

B. Falling, bucking and treatment for disposal.

Use controlled felling to ensure the direction of fall and prevent damage to property, structures, roadway, residual trees, and traffic. Stump heights, measured on the side adjacent to the highest ground, must not exceed 12 inches or 1/3 of the stump diameter, whichever is greater. Higher stump heights are permitted when necessary for safety.

Felled snags and trees, which are not designated for removal, will be left in a stable condition such that they will not roll or slide. Position logs away from standing trees so they will not roll, are not on top of one another, and are located out of roadway and drainage structures.

Fell, limb and, remove trees, which are marked for removal, that equal or exceed the utilization standards as listed in the Timber Sale contract or Special Project Specifications. Dispose of merchantable timber designated for removal in accordance with B/BT2.32 Construction Clearing, of the Timber Sale Contract, or as described in Special Project Specifications.

C. Slash treatment.

Within the roadway, remove limbs, chunks, and debris in excess of 12 inches in length and 3 inches in diameter, and concentrations that may plug ditches or culverts, and water courses.

Dispose of slash by scattering outside the roadway limits without damaging trees, or improvements.

WALLOWA-WHITMAN
SPECIAL PROJECT SPECIFICATION (2/06)

T-891F WATER SUPPLY AND WATERING

891.01 Description

This work consists of providing facilities to furnish an adequate water supply, hauling and applying water.

891.02 Materials

If the Purchaser elects to provide water from other than designated sources, the Purchaser is responsible to obtain the right to use the water, including any cost for royalties involved.

Suitable and adequate water sources designated available for Purchaser's use under this contract are as follows:

<u>Map</u>	<u>Location</u>	<u>Location</u>	<u>Use</u>
<u>Key No.</u>	<u>Road</u>	<u>Milepost</u>	<u>Restrictions</u>
W	4300301	0.15	* See Below
	Material Source		

* Purchaser to obtain a Limited Water Use License with the Oregon Department of Water Resources prior to use.

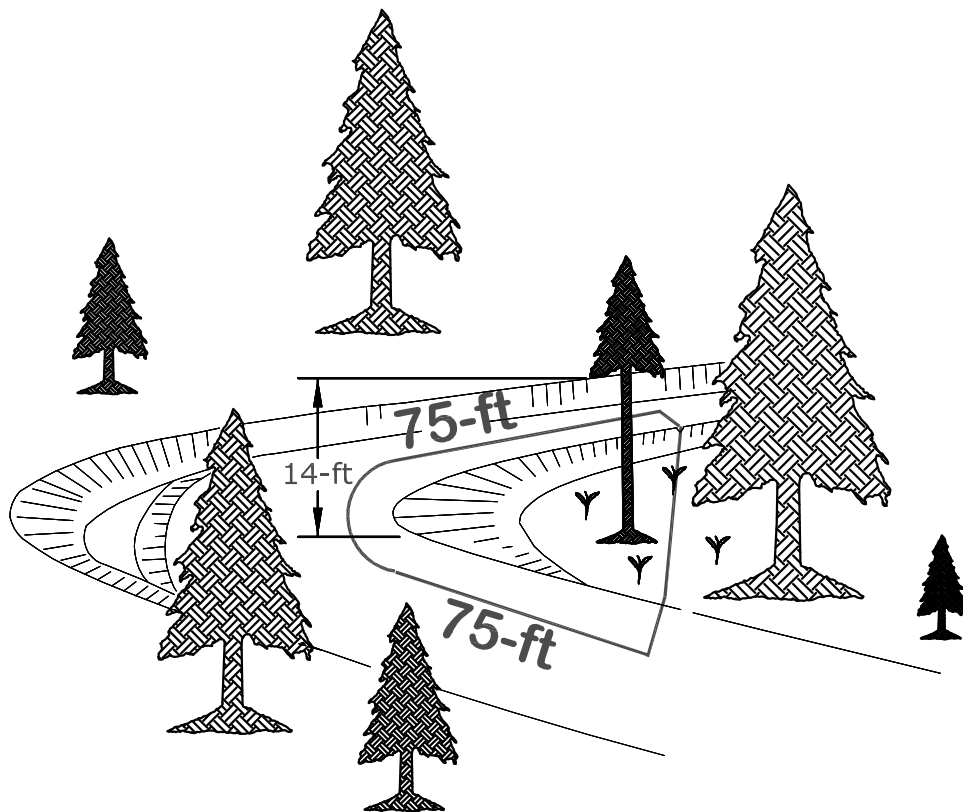
891.03 Equipment

A. Positive control of water application is required. Equipment shall provide uniform application of water without ponding or washing.

B. An air gap or positive anti-siphon device shall be provided between the water source and the vehicle being loaded if the vehicle has been used for other than water haul, if the source is a domestic potable water supply, or the water is used for tank mixing with any other materials.

C. The designated water sources may require some work prior to their use. Such work may include cleaning ponded areas, installing temporary weirs or sandbags, pipe repair, pump installation, or other items appropriate to the Contractor's operations. Flowing streams may be temporarily sandbagged or a weir placed to pond water, provided a minimum flow of N/A cu.m/s (cu. ft/sec) is maintained. Obtain approval on improvements for sandbags or weirs prior to placement.

SITE DISTANCE / CORNER CLEARING

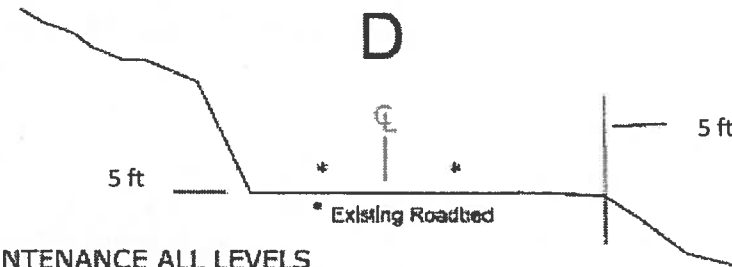
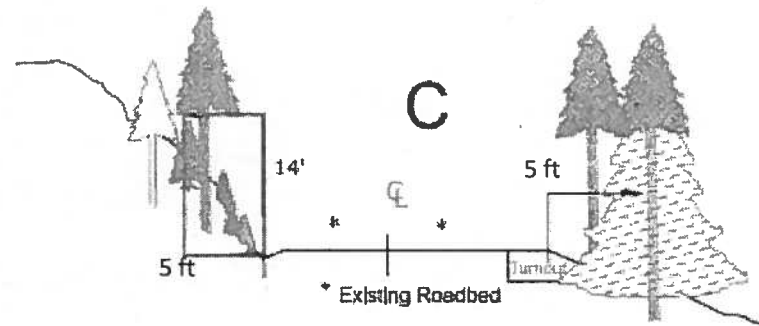
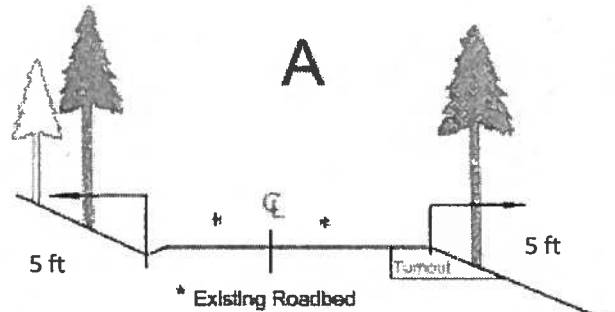
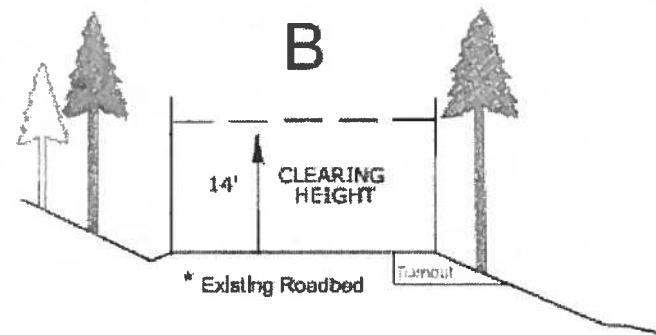


SIGHT DISTANCE - CORNERS
TYPICAL

THE AREA OF SIGHT DISTANCE CLEARING SHALL BE 75 FEET FROM THE CENTER OF THE CURVE BOTH DIRECTIONS; TO A LINE OF SIGHT BETWEEN THE BEGINNING AND ENDING STATIONS THE CONTRACTOR MARKS ON THE GROUND.

SMALL CONIFERS WITHIN THIS AREA SHALL BE THINNED TO APPROX. A 12 FOOT TRUNK SPACING. TREES WITH 8" DBH SHALL REMAIN, LIMBS & BRUSH WITHIN CLEARING LIMITS SHALL BE REMOVED.

NO SCALE



MAINTENANCE ALL LEVELS
ESTABLISHED CLEARING LIMITS

TYPICAL

NO SCALE

- A. ALL VEGETATION within the established clearing limits and 5-feet (horizontally) from the bottom of the ditchline or hinge point shall be cut. All woody debris within the clearing limits shall be removed when it interferes with the flow of traffic, obscures signs, impedes flow of water, or diverts water from drainage structures.
- B. Branches on remaining conifers shall be trimmed from ground level to a clearing height limit to 14-feet (vertically) above the roadbed.
- C. ALL limbs on vegetation within the clearing limits shall be cut to within 4-inches of the trunk.

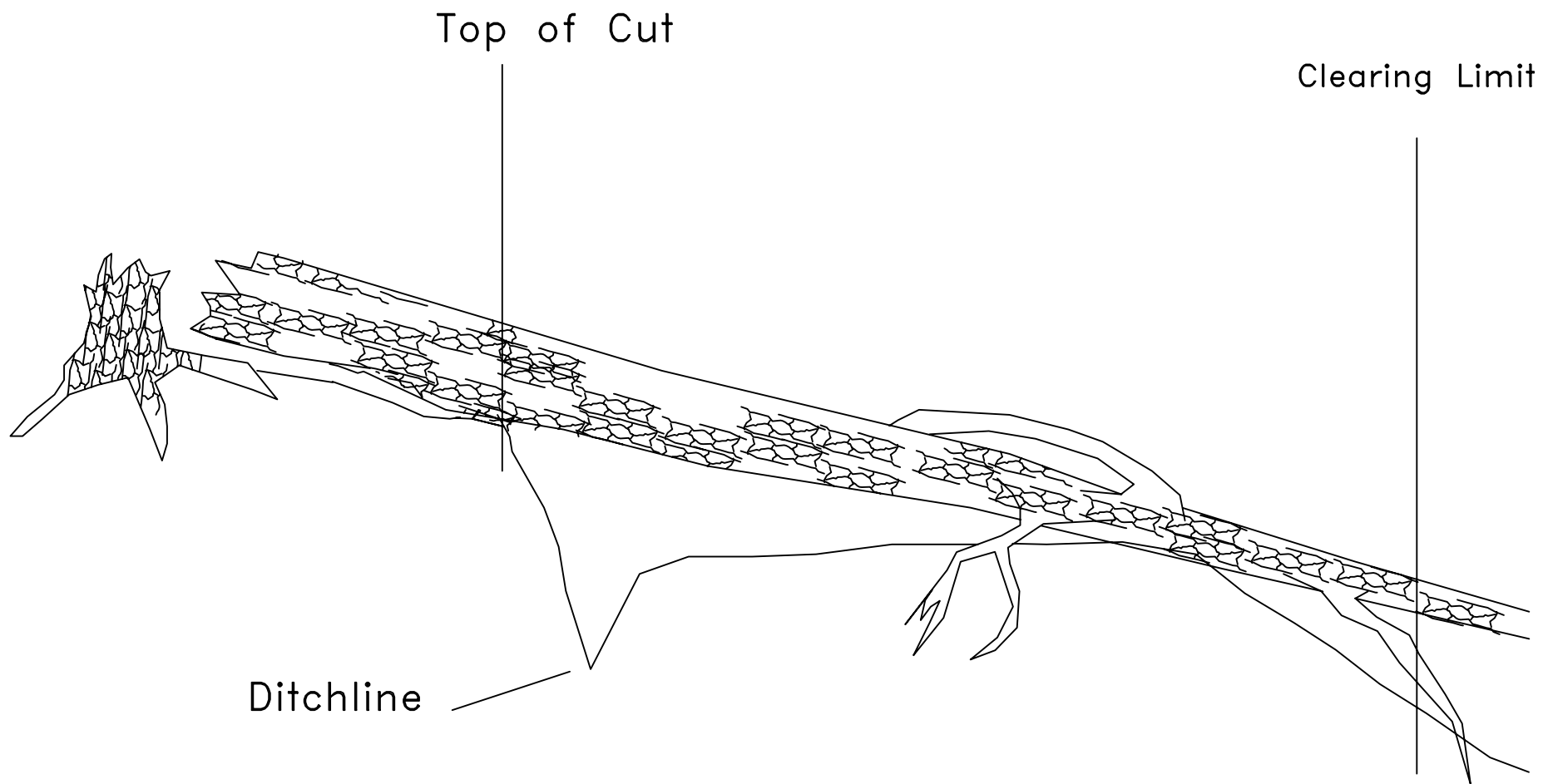
Trees that have vegetation trimmed for clearing shall be trimmed around the trunk of the tree. The exception is heavy stands where stems are within 2-feet of each other.

All vegetation with a DBH of 4-inches or LESS shall be removed to a maximum height of 6-inches above ground surface. Remove the lowest live limb on all cut stems.

Trees with DBH Of 4-inches or MORE shall be limbed according to specifications.

- D. When the road edge is not defined on roads the treated area for double lane shall be 18' from both sides of centerline; Single lane with turnouts shall be 13' both sides from centerline; turnout area shall be increased by 8'.

CLEARING LIMITS TYPICAL
February 2009



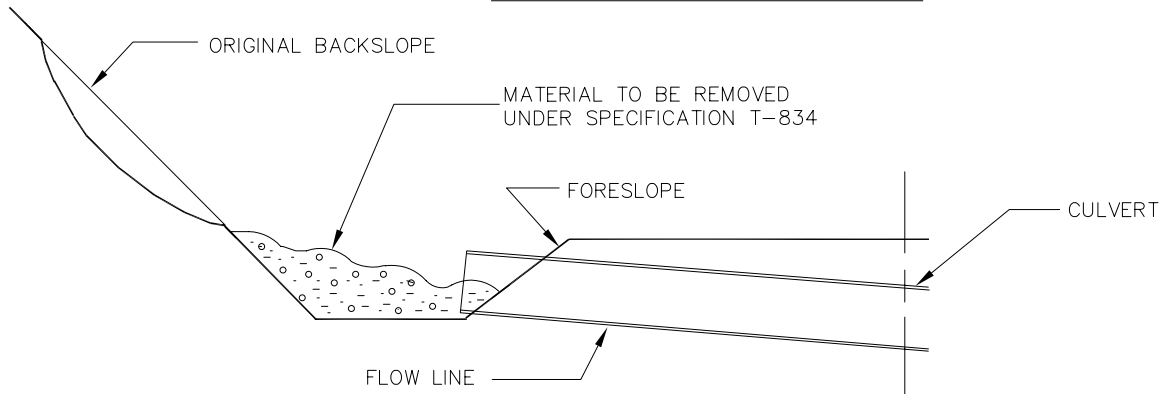
Log Out

Not to Scale

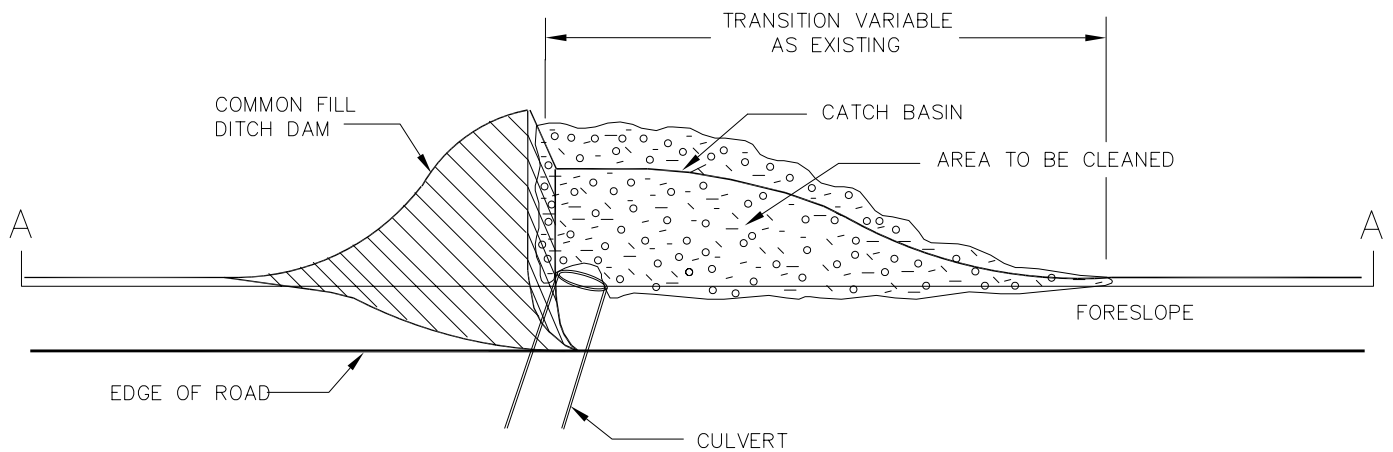
CLEANING OF DITCH RELIEF CATCH BASIN AND TRANSITION

DRAWING #CB-1 (NO SCALE)

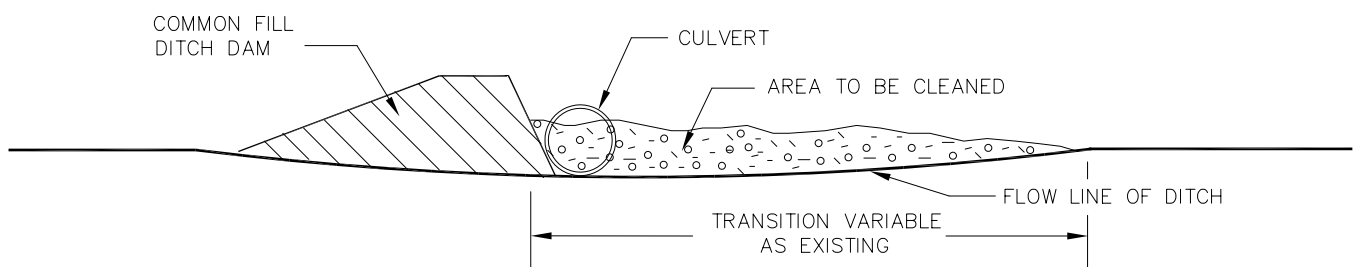
CROSS SECTION VIEW



PLAN VIEW ALONG DITCH



SECTION A-A





- ## DRAINAGE SPACING TABLE

DOWN GRADE (IN %)	UNSURFACED (IN SMU*)	<u>1</u> /SURFACED (IN SMU*)	<u>2</u> / SURFACED/UNSURFACED (OUTSIDE SMU*)
2	105 FT.	160 FT.	USE ENGINEERING SPACING GUIDE (BUT IN NO PLACE MORE THAN 500 FT. ALONG δ), OR AS STAKED BY THE FOREST SERVICE
4	90 FT.	140 FT.	
6	80 FT.	125 FT.	
8	75 FT.	115 FT.	
10	65 FT.	100 FT.	
12	55 FT.	85 FT.	
14	45 FT.	70 FT.	
16	35 FT.	55 FT.	
18	30 FT.	45 FT.	
>20	30 FT.	30 FT.	

1/PIT RUN OR GRID ROLLED
> 25% FINES

2/CRUSHED ROCK, PIT RUN, OR
GRID ROLLED W/ < 25% FINES

* SMU = STREAMSIDE MANAGEMENT UNIT:

SMU WIDTH

Class I through IV Streams	150 Ft. each side for sideslopes < 30% 200 Ft. each side for sideslopes > 30%
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SMU GUIDELINES

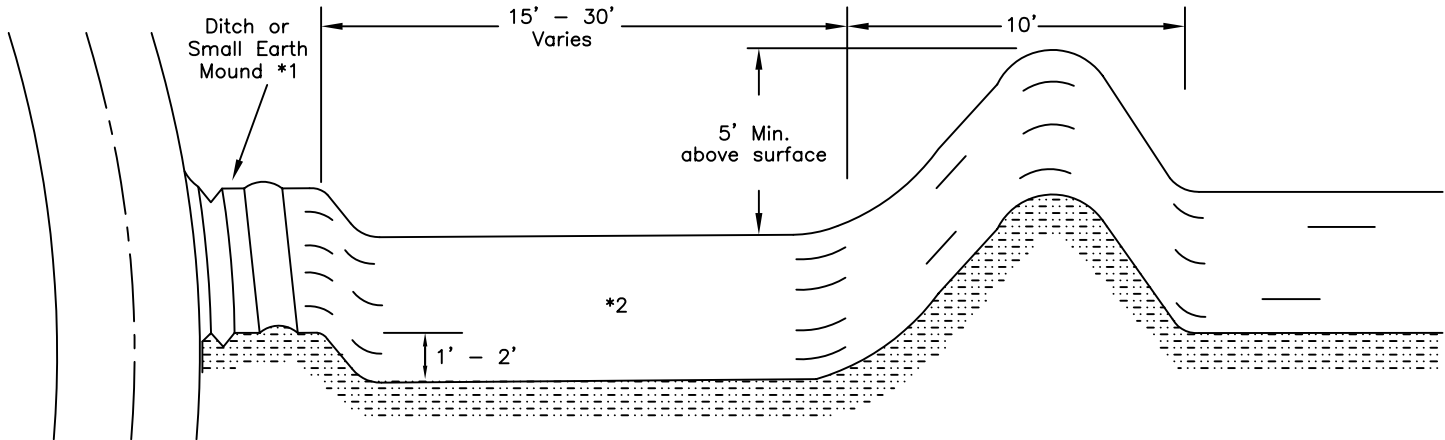
When a road is within 25 Ft. of a stream and parallels stream for more than 300 feet, decrease spacing by 25%.

Where a road is grading down towards a stream, locate the last cross-drain at about 10–30 Ft. from stream (depending upon filtering capability at the outlet); place the next cross-drain upgrade at 75% of the spacing guide value.

If road has drainage ditch, extend cross-drains to intercept the runoff.

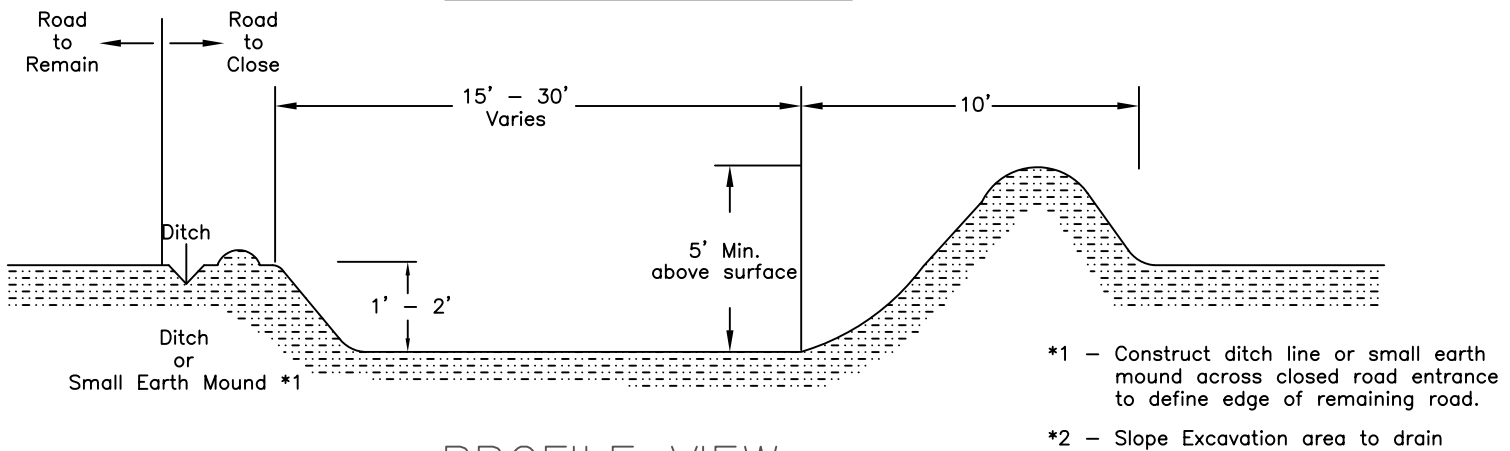
EARTHEN BARRICADE DETAIL

Drawing #EB-2



ISOMETRIC VIEW

ISOMETRIC VIEW



PROFILE VIEW

PROFILE VIEW