

A22 - LIST OF SPECIAL PROVISIONS

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**C2.11# – TIMBER SUBJECT TO AGREEMENT (2/71).** In addition, there is within Sale Area an unestimated quantity of Non-Sawtimber that shall be Included Timber upon written agreement.

**C2.2# - UTILIZATION AND REMOVAL OF INCLUDED PRODUCTS (4/03).** Unless otherwise agreed in writing, or as specified in C2.211# - Optional Removal of Non-sawtimber Products, Purchaser is required to pay for and remove the following products described in A2 of the contract:

Sawtimber is the boles of trees meeting Sawtimber Product specifications as listed in A2 of the contract.

Non-sawtimber is the boles of trees meeting Non-sawtimber Product specifications as listed in A2 of the contract, but that do not meet the minimum piece specifications for Sawtimber Products. Non-sawtimber removal is only required in Cutting Units N/A. Only the volume of non-sawtimber in the cutting units listed above is included in the estimated volume shown in A2. If the purchaser and the Forest Service agree to remove non-sawtimber from cutting units other than those listed above this non-sawtimber must be measured and paid for at the rates shown in A4.

**C2.38# - SPECIES DESIGNATION (1/09).** Within the cutting units shown below, listed species are designated for cutting when they (a) meet utilization standards and (b) are smaller than the stump diameter listed below and shown on the Sale Area Map:

Unit	Designated Species	Maximum Stump Diameter – (Inches)
Decked Material Unit 2	All Species	N/A

Stump diameter will be measured at N/A inches above ground level on the uphill side of the tree. A minimum stump height of N/A inches above ground level on the uphill side shall be left in the units listed above.

In addition, any trees within the cutting unit boundary that are wind thrown prior to Purchaser's logging in the immediate vicinity which meet Utilization Standards in amounts less than specified in B2.133 are designated for cutting.

**C2.358# - INDIVIDUAL TREES (LEAVE TREE MARKING) (1/09).** Cutting Units 1, all trees (live and dead) meeting minimum merchantable tree specifications of A2 are designated for cutting except trees reserved from cutting. Trees reserved from cutting have been marked with a horizontal stripe of ORANGE paint at or above eye level, and a stump mark consisting of a horizontal stripe of ORANGE paint on the downhill side of the tree at ground level.

The boundaries of units where leave trees are marked, are marked on three (3) sides of the cutting unit boundary trees with vertical stripes of ORANGE paint extending from diameter breast height (DBH) upwards approximately three (3) feet. The middle stripe of paint faces the cutting unit and the other two face on line with the cutting unit boundary. In addition, each boundary tree has a horizontal stump mark painted on the downhill side of the tree at ground level. Trees used for boundary designation are not to be cut. All hardwood trees are not to be cut.

Trees of the species listed above that are designated to be left standing are marked with a horizontal stripe of N/A paint at or above eye level, and a stump mark consisting of a horizontal stripe of N/A paint on the downhill side of the tree at ground level.

In addition to those species listed above, trees marked with a horizontal stripe of N/A paint at or above eye level, and a stump mark consisting of a horizontal stripe of N/A paint on the downhill side of the tree at ground level are also designated for cutting.

**The boundaries of units (decked material) are designated with Blue Flagging and Unit Boundary Signs.**

Upon agreement with Forest Service, dead trees designated to be left standing may be felled when necessary for safety under the State Safety Code and other dead trees designated in their place.

**C4.211 - DOWNPAYMENT (6/07).** The downpayment amount shown in A18 may not be applied toward any other payment required under the provisions of this contract, except damages determined pursuant to B9.4, transferred to other timber sales, or refunded until (a) stumpage value representing 25 percent of the total bid value of the timber sale has been charged and paid for, or (b) the estimated value of the unscaled timber is equal to or less than the amount of the downpayment, or (c) if 36 CFR 223.49(e) is applicable, the estimated value of the unscaled timber is equal to or less than the amount of the downpayment.

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).

**C4.212 - Temporary Reduction of Downpayment (8/09).** Notwithstanding B4.211 or C4.211, 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 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.

#### **C4.4 - PAYMENTS NOT RECEIVED (8/12).**

(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 for, 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, road maintenance, and contract Scaling deposits;
- (ii) Cooperative work at rates established by specific agreement under B4.218;
- (iii) Damages pursuant to B9.4;
- (iv) Road use fees;
- (v) Restoration of downpayment pursuant to B4.22;
- (vi) Periodic payments pursuant to B4.213;
- (vii) Extension Deposits pursuant to B4.217; 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 B9.3. 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.

**C5.12# – USE OF ROADS BY PURCHASER (6/99).** 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
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 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		
255	Steep Creek	MP 2	MP 1	R	All vehicles must meet the Federal Bridge Formula Weight limits and a maximum gross vehicle weight of <b>120,000 lbs.</b> Any vehicles not meeting the weight limits above, must apply for an overload weight permit
336	Big Creek	Jct 255	MP 2.0	R	
255	Steep Creek	MP 14	MP 16	U	Unsuitable for hauling prior to completion of agreed to reconstruction

**C5.31# – 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 PREHAUL Road Maintenance Specifications										
	From	To		T 101	T 103	T 108	T 113	T 301	T 310	T 506	T 507	T 508	T 618	T 619
	N/A													

P = Purchaser Performance Item, D = Deposit to Forest Service, F = Forest Service Responsibility

Road	Termini		Miles	Applicable DURING Haul Road Maintenance Specifications											
	From	To		T 101	T 103	T 108	T 113	T 301	T 310	T 506	T 507	T 508	T 618	T 619	T 710
254B	Jct rd 254 to MP .30		0.3	D	---	D	---	---	D	D	---	D	---	F	F
254	Jct rd 254B to Jct rd 255		0.5	D	---	D	---	---	D	D	---	D	---	F	F
255	Jct rd 254 to Jct Rd 336		11	D	---	D	---	D	D	D	D	D	---	F	F
336	Jct Rd 255 to Jct Rd 228		2.7	D	---	D	---	D	D	D	D	D	---	F	F
228.2	Jct 336 to Kooconusa Bridge		8.7	---	---	D	D	D	D	D	D	D	---	F	F
228.3	Road 228.2 to Hwy 37		0.5	---	---	---	---	---	---	---	---	---	D		F

P = Purchaser Performance Item, D = Deposit to Forest Service, F = Forest Service Responsibility

Road	Termini		Miles	Applicable POST Haul Road Maintenance Specifications											
	From	To		T 101	T 103	T 108	T 113	T 301	T 310	T 506	T 507	T 508	T 618	T 619	T 710
254B	Jct rd 254 to MP .30		0.3	---	---	---	---	---	---	---	---	---	---	F	F
254	Jct rd 254B to Jct rd 255		0.5	---	---	---	---	---	---	---	---	---	---	F	F
255	Jct rd 254 to Jct Rd 336		11	---	---	---	---	---	---	---	---	---	---	F	F
336	Jct Rd 255 to Jct Rd 228		2.7	---	---	---	---	---	---	---	---	---	---	F	F
228.2	Jct 336 to Kooconusa Bridge		25.6	---	---	---	---	---	---	---	---	---	---	F	F
228.3	Road 228.2 to Hwy 37		0.5	---	---	---	---	---	---	---	---	---	---		F

P = Purchaser Performance Item, D = Deposit to Forest Service, F = Forest Service Responsibility

## SPECIFICATION T-101 SURFACE BLADING

### DESCRIPTION

1.1 Surface blading is keeping the native or aggregate surfaced road in a condition to facilitate traffic, minimize additional future maintenance, reduce erosion, and provide proper drainage. It includes maintaining the crown, inslope or outslope of the traveled way and shoulders, drainage dips, leadoff ditches, berms, turnouts, removal of minor slides and slumps, and other irregularities that prevent normal runoff from the road surface.

### REQUIREMENTS

3.1 Surface blading shall be performed as often as necessary and to the standards required to facilitate traffic and proper drainage.

3.2 The blading shall be performed in such a manner as to preserve the existing cross section and to conserve surface materials. On gravel surfaced roads, the base must not be disturbed and no surface material may be bladed into the ditch or over the road shoulders. Blading of native surface roads shall be performed so no base material under four (4) inches in the greatest dimension is lost. All ruts, holes, etc., shall be removed by scarifying and/or cutting to the bottom of any surface irregularities. Oversize material brought to the surface in the scarification process shall be removed from the roadway. Surface material which has been displaced to the shoulders, turnouts, outside of curves, etc., shall be brought back so as to leave a uniform depth on the traveled way at completion of blading. Water shall be applied during blading if sufficient moisture is not present to prevent segregation.

3.3 Roadside cutslopes or berms shall not be undercut.

3.4 At intersections, the roadbeds of sideroads shall be graded for a reasonable distance to assure proper blending of the two riding surfaces.

3.5 Drainage dips and leadoff ditches shall be cleaned and continually maintained to conform reasonably to their original constructed lines, grade, and cross section.

3.6 Berms shall be repaired promptly by placing selected material as needed to restore the berm to its original condition.

3.7 Surface blading of native surface roads also includes ditch cleaning, which shall be done in accordance with T-301, Ditch Cleaning.

3.8 All blading operations shall be properly signed in accordance with B(T)6.33# and all applicable State Laws.

**C5.314# - DUST ABATEMENT TREATMENT (02/02).** When conditions are such that dusting would result in hazardous driving conditions or there would be an appreciable loss of road surface binder material, Purchaser shall control such dusting by application of a dust abatement treatment to the surface of roadways and other traveled areas according to referenced or attached specifications or other specifications agreed to in writing. This treatment will provide a surface which can be bladed and retreated when necessary. It is not intended to produce a permanent waterproof wearing surface or dust control for more than one year, even though some residual value may be retained. It is intended to be compatible with the physical characteristics of the road surface, such as parent material, percent fines, relative humidity, or possibly some residual dust abatement material.

Dust abatement treatment shall apply only to the roads listed below. The provisions of Specification T-103 of C5.31# shall apply to all other roads when required under C5.31#. T-103 of C5.31# may be used in lieu of C5.314# to perform dust abatement during hauling of timber cut within the clearing limits of roads constructed under this timber sale unless otherwise agreed.

**Dust Abatement Specifications**

Road Number	Road Name	Termini	Abatement Treatment	References or Attached
	<b>REFER TO APPLICATION RATE TABLE (BELOW)</b>			

**SURFACE PREPARATION**

Prior to application of chlorides, the roadway shall be prepared by T-101 Surface Blading, and watered as necessary to achieve adequate penetration of the chlorides without runoff. If flakes are used, water will be added after placing the flakes to facilitate penetration of the chlorides into the roadway.

**APPLICATION**

(a) The Distribution Equipment shall be so designed, equipped, maintained, and operated such that the dust abatement material may be applied uniformly on variable widths of surface.

For liquid products the following requirements shall apply: (1) The spray pattern from each nozzle on the spray bar shall be uniform across the spray bar; (2) Distribution equipment shall include accurate volume measuring devices or a calibrated tank, a thermometer for measuring temperatures of tank contents, and a hose and nozzle attachment for applying material to areas inaccessible to the spray bar.

Calcium Chloride Flake shall be spread with equipment that evenly distributes the material across the required road width. The relative weight of material placed shall be easily determined during application.

A. Application Rate. Application rates will be as follows:

**Application Rate Table**

Road Number	Road Name	Termini	Application Type	Abatement Treatment	Application Rate **	Width of Application (Feet)
336	Big Creek	Rd. 255 to Rd. 228	Subsequent	Calcium Chloride Flakes @94% Concentration	.8 lbs/SqYd	1
255	Steep Creek	Rd. 254 to Rd. 336	Subsequent	Calcium Chloride Flakes @94% Concentration	.8 lbs/SqYd	1
254	Lower Maxine	Rd.255 to Rd. 254B	Subsequent	Calcium Chloride Flakes @94% Concentration	.8 lbs/SqYd	2

\*\* Application Rate for Calcium Chloride Brine (94% concentration) – Initial (.50 gals/Sq Yd) – Subsequent (.25 gals/ SqYd)

\*\* Application Rate for Calcium Chloride Flakes (94% concentration) – Initial (1.6 lbs/Sq Yd) – Subsequent (.8 lbs/ SqYd)

\*\* Application Rates for Magnesium Chloride are the same as Calcium Chloride.

The Forest Service may field test Chloride brines prior to application to make sure that the products meet the minimum concentrations specified. Acceptance of the material will be based on the concentration shown on the manufacturer's certificate, or on results of laboratory quality assurance tests done by the Forest Service on samples taken from distribution or hauling vehicles.

Uniform distribution shall be obtained at all points. For liquid products the spray pattern from each nozzle on the spray bar shall be uniform across the spray bar. For flake products, the coverage will be uniform on the road surface. Overlapping or skipping between spread sections shall be corrected. Accidental spillage and areas with excess dust palliative that are hazardous to traffic shall be covered with additional road surfacing material. The surface of adjacent structures and trees shall be protected from spattering or marring. Dust palliative material shall be discharged only in approved areas, and shall not be allowed to flow into ditches or stream courses. All products may be placed in one application.

All spreading and hauling equipment shall comply with applicable State and Federal requirements including GVW limitations.

(c) Certification with Shipment. When each load of chloride material is delivered, the Purchaser shall furnish one copy of the Bill of Lading, and a fully executed Certificate of Compliance indicating, as a minimum, the following information: Date, Material composition by weight of MgCL and CaCl, Net weight of shipment, Net gallons at 60 degrees F, Specific Gravity of brine at 60 degrees F. A separate Certificate of Compliance will not be required if the standard Bill of Lading contains the essential information required by the certificate.

(d) Sampling. Sampling of chloride material may be required to validate certifications furnished by the Purchaser. When sampling is directed by the Forest Service, the actual samples will be taken by the Purchaser in the presence of the Forest Service representative. All delivery and distribution equipment shall be constructed to permit sampling in conformance with AASHTO T-40 test procedure. Samples shall be obtained from hauling units just prior to application of the material.

**C5.316 - SNOW REMOVAL (4/13)** Snow removal shall be done in a manner to preserve and protect the roads, to insure safe and efficient transportation and to prevent unacceptable damage to roads, streams, and adjacent lands.

A. Description. Snow removal work by Purchaser shall include:

1. Removal of snow from entire width of road surface including turnouts.
2. Removal of snow slides, minor earth slides, fallen timber and boulders that obstruct normal road surface width including turnouts.
3. Maintenance of drainage so that the drainage system will function efficiently and prevent erosion damage.

B. Performance. Snow removal shall be kept current and performed as often as necessary to insure safe and efficient transportation. Work shall be done in accordance with the following minimum standards of performance.

1. All debris, except snow and ice, that is removed from the road surface and ditches shall be deposited away from stream channels at agreed locations.
2. During snow removal operations, banks shall not be undercut nor shall gravel or other surfacing material be bladed off the roadway surface.
3. Ditches and culverts shall be kept functional during and following road use.
4. Snow berms shall not be left on the running surface of the road. Berms left on the shoulder of road shall be removed and/or drainage holes shall be opened and maintained in them. Drainage holes shall be spaced as needed to obtain satisfactory surface drainage without discharge on erodible fills.
5. Dozers or skidders shall not be used to plow snow on system roads without written approval of Forest Service. If approved, dozers and skidders must be equipped with shoes or runners to keep the plow blade a minimum of two inches above the road surface.
6. Snow removal must be done in such a way as to protect surface water drainage structures and the road surface. Any damage from, or as a result of, Purchaser's snow removal work shall be restored in a timely manner at Purchaser's expense.

**C5.32# - ROAD MAINTENANCE DEPOSIT SCHEDULE (8/12).** 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 C5.31#.

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 \$ 1.32 per 1/ TON for recurrent maintenance, and \$ 2.95 per 1/ TON 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
N/A		

**C5.41# - CLOSURE TO USE BY OTHERS (3/07).**

**A. Closure of Roads During Period of Contract.** Unless otherwise agreed in writing between Purchaser and Forest Service, Purchaser shall within 15 days of receipt of notice from Forest Service, install closure devices listed below and close them on roads designated "To Be Closed" on Sale Area Map and listed below to effectively block access to vehicle traffic except that constituting official use. Installation of closure devices shall follow closure details attached hereto and made a part hereof.

Official vehicle traffic shall constitute that use by Purchaser and his employees when engaged in timber sale activities. It shall also include administrative traffic by Forest Service, and other landowners for the administration of their lands. **Purchaser shall close road as directed by Forest Service at the completion of daily activities or maintain closure after passage of each vehicle.** Forest Service will monitor and administer closure activities.

CLOSURE DEVICES					
Road Number	Location	Furnished By	Closure Method	Closure Device Installed By	In Place
254	JCT 255	USFS	GATE	FS	YES

During the life of this contract, Purchaser shall install temporary barricades at locations designated "Temporary activity Barricade" on Sale Area Map and shown below. Temporary barricades shall be installed so that they may be readily opened by Purchaser or Forest Service for access to Sale Area in case of fire or other emergency. Official vehicle traffic shall also include administrative traffic by Forest Service and other landowners for the administration of their lands. Purchaser shall provide and post approved signs as authorized by Forest Service. Installation of Temporary Activity Barricades shall follow closure details attached hereto and made a part hereof.

During the period N/A to N/A when Purchaser's Operations are in areas otherwise closed to motorized vehicles, Purchaser shall not be permitted to hunt, transport hunters, discharge firearms or transport big game animals with vehicles within the closed areas.

**TEMPORARY ACTIVITY BARRICADES**

Road Number	Location	Closure Method
	N/A	

**B. Closure of Roads at End of Purchaser's Use.** Unless otherwise agreed in writing between Purchaser and Forest Service, upon completion of use, Purchaser shall effectively close to public use the following roads designated "To Be Closed" on Sale Area Map and listed below. Existing locking closure devices shall be closed and locked as directed by Forest Service. As an element of final road maintenance and environmental or resource protection, the designated closure shall be accomplished by using the methods required for each road as described below:

Closure Location(s)				
Road Number	Location	Closure Method	Furnished By	In Place
254	JCT 255	GATE	USFS	YES

**C6.10 - PREWORK CONFERENCE (10/04).** Annually, prior to commencement of work, a prework conference will be held to discuss contract terms and work performance requirements. Also at this meeting such things as responsibility under OSHA, and procedures for how undesignated timber that may have to be added to the contract (including danger trees) shall be discussed and documented.

The Purchaser, or designated representative, will arrange for the meeting with the Contracting Officer.

**C6.24# – SITE SPECIFIC SPECIAL PROTECTION MEASURES (4/04).** Special protection measures needed to protect known areas identified on Sale Area Map or on the ground include:

Cultural Resource Protection Measures:

Wildlife and Botanical Protection Measures: **Purchaser and all sub-contractors shall comply with Kootenai National Forest Food Storage Order.**

Cave Resource Protection Measures:

**LOGGING AND MAINTENANCE OPERATIONS SIGNING STANDARDS**

All signs must be manufactured & installed as specified in the FHWA "Manual on Uniform Traffic Control Devices" (MUTCD) & FS publication "Standards for Forest Service Signs & Posters"( EM 7100-15).

**SIGN STANDARDS**

**SHAPE & COLOR:** Generally, signs for logging and maintenance operations are either diamond-shaped or rectangular. All signs are **reflective orange background with black legend and border** unless shown otherwise. Handpainted, homemade signs are not legal. Fluorescent paint is not reflectorized.

**SUBSTRATE:** Sign substrate material may be High Density Overlay (HDO) Plywood, Aluminum, Fiberglass Reinforced Plastic, Corrugated Plastic or Roll-up Fabrics.

**SIGN SIZE:** Sign size is a factor of speed and MUTCD & FS standards. Where conditions of speed, volume, or special hazard require greater visibility or emphasis, larger signs should be used. Minimum sizes for the most common signs can be found in Figure 4. Refer to the EM-7100-15 for additional sign sizes.

**LEGEND:** All lettering shall be Series "C" alphabet, conforming to Standard Alphabets for Highway Signs. Letter size is also a function of speed - use letter size and word messages as specified in MUTCD and EM-7100-15.

**SIGN PLACEMENT**

Signs are to be installed in locations as agreed to in the traffic control plan. All signs are to be removed, covered, or folded when operations are not in progress or the sign message is not applicable. Signs should generally be located on the right-hand side of the roadway. When special emphasis is needed, signs may be placed on both the left and right sides of the road. Sign message shall be clearly visible to road users, mounted on posts or portable sign stands.

**LATERAL CLEARANCE**

From the edge of the road - 2 foot minimum, where slope limits to less than 6 feet. 6-12 foot preferred.

**HEIGHT**

Minimum of 7 feet, measured from the bottom of the sign to the near edge of the travelway. The height to the bottom of a supplemental sign mounted below the primary sign will be 6 feet.

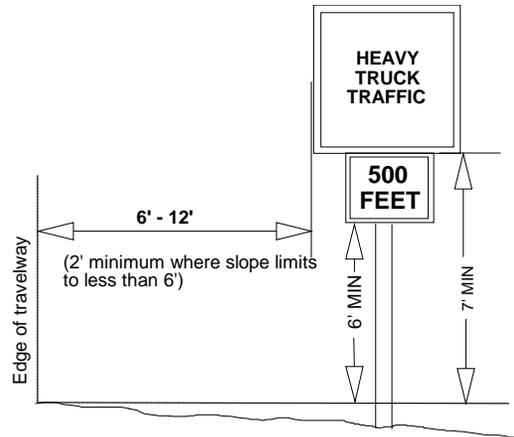


Figure 1: Sign Placement Dimensions

**PLACEMENT DISTANCE**

Signs must be located 100-500 feet prior to the activity, (both ends if a through road) and maintained at that distance. This distance is based on speed. Refer to Figure 2, Table II-1, MUTCD, a portion of which is reproduced here, to determine correct placement distance.

Posted or 85 percentile speed MPH	Deceleration to listed advisory speed MPH				
	10	20	30	40	50
20		NA			
25		100			
30		150	100		
35		200	175		
40		275	250	175	
45		350	300	250	
50		425	400	325	225
55		500	475	400	300
60		575	550	500	400
65		650	625	575	500

Figure 2: A Portion of MUTCD TABLE II-1

## SIGN SUPPORTS

**POSTS:** Signs are to be mounted on separate posts. Supplemental signs such as Speed Advisory plates are to be mounted on the same post as the primary sign. **Do not mount signs on trees or other signs.** Posts may be wood, metal, carsonite or similar material. Where sign supports cannot be sufficiently offset from the road edge, supports will meet breakaway standards. Single wood posts with less than 24 square inches do not require breakaway design.

**TEMPORARY/PORTABLE SUPPORTS:** Portable supports may be used for short-term, short-duration, and mobile conditions. MUTCD defines this time period as one work shift, 12 hours or less. All portable supports must meet MUTCD standards, including breakaway. These must be a minimum of 1 foot above the road surface or more if visibility requires it.

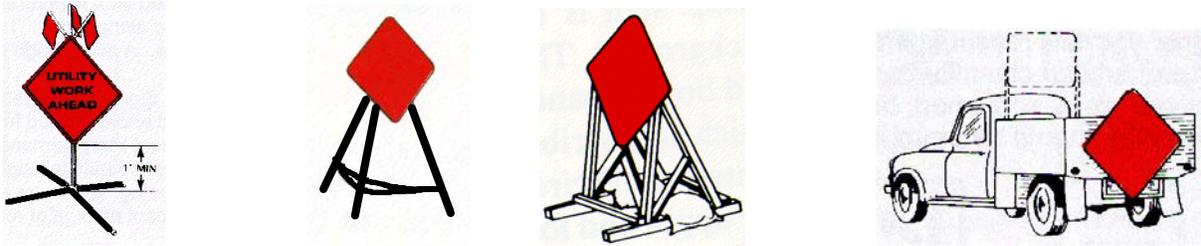


Figure 3: Examples of Temporary/Portable Supports

## SIGNS

The following signs meet the intent of Timber Sale Contract Provision B6.33, SAFETY.  
*This is not a complete listing of signs that may be needed.*



FG20-1-48\*



FG20-2-48



FG20-3-42\*



FG20-3a-42



FW22-3-30



FW20-1-30\*



W21-3-30\*



FW21-4a-30



FW11-7-24



W22-1-36\*



FW8-6-24



FW11-9a-24



W7-3a-24\*



W13-1-18\*\*



W20-7aP-24\*



BM-L-O



BM-R-O

Barricade Markers (See MUTCD for length and stripe size)

\* Specify Distance

\*\* Specify Speed

Figure 4: Commonly Used Construction and Maintenance

**C6.332 - SAFETY (TIMBER HAULING) (10/04)**. Purchaser shall secure all products transported by truck with at least two chain or cable wrappers over the load, such wrappers being securely fastened to effectively contain every bolt or log in at least two places.

**C6.339 – ACCIDENT AND INJURY NOTIFICATION (4/05)**. Purchaser shall notify Forest Service of any lost time personal injury accident or any accident or vandalism resulting in personal property damage over \$400 in value that occurs as a result of or is associated with Purchaser's Operations.

Purchaser shall notify Forest Service within 8 hours of any personal injury accident. For vandalism and personal property accidents, Purchaser shall notify Forest Service at the same time notification is given to the state and local law enforcement authorities.

Purchaser shall take all reasonable measures after an accident or vandalism event to preserve the scene of the incident and provide information to facilitate a Forest Service investigation.

The method of notification shall be agreed to in writing at the prework conference required by provision C6.10.

**C6.351 # – WASHING EQUIPMENT (7/07)**. In order to prevent the spread of noxious weeds into the Sale Area, Purchaser shall be required to clean all "Off-Road Equipment" prior to entry on to the Sale Area. This cleaning shall remove all soil, plant parts, seeds, vegetative matter, or other debris that could contain or hold seeds. Only logging and construction equipment so cleaned and inspected by the Forest Service will be allowed to operate within the Sale Area. All subsequent move-ins of equipment to the Sale Area shall be treated in the same manner as the initial move in. For purposes of this provision, "Off-Road Equipment" includes all logging and construction machinery, except for log trucks, chip vans, service vehicles, water trucks, pickup trucks, cars, and similar vehicles.

Purchaser shall employ whatever cleaning methods are necessary to ensure that Off-Road Equipment is free of noxious weeds. Equipment shall be considered free of soil, seed, and other such debris when a visual inspection does not disclose such material. Disassembly of equipment components or specialized inspection tools is not required.

In order to prevent the spread of noxious weed species **OFF** the Sale Area, Purchaser shall be required to clean all off-road logging and construction equipment that operates in **N/A** prior to the equipment leaving **N/A**. Purchaser and Forest Service shall agree on methods of cleaning, locations for the cleaning, and control of off-site impacts, if any.

Unless otherwise agreed, Purchaser shall give the Forest Service at least 24 hours notice when equipment is ready for inspection. Notification will include an agreed upon location where the equipment will be available for inspection by the forest service.

New infestations of noxious weeds, of concern to Forest Service and identified by either Purchaser or Forest Service, on the Sale Area or on the haul route, shall be promptly reported to the other party. Purchaser and Forest Service shall agree on treatment methods to reduce or stop the spread of noxious weeds when new infestations are found. A current list of noxious weeds of concern to Forest Service is available at each Forest Service office.

**C6.4# - CONDUCT OF LOGGING (10/82).** Unless otherwise agreed in writing, silvicultural prescriptions and land management objectives shall be conducted and accomplished by the following requirements, methods and procedures:

UNIT #	CONDUCT OF LOGGING
1	Tractor skid trails shall be located and approved in advance of falling adjacent timber. Tractor skidding shall be done over the natural terrain without excavation except where location of excavated skid roads is approved by Forest Service in advance of construction. Skid roads and trails will be limited to 12 feet or less in width. All skid trails will be rehabilitated and/or water barred with an excavator.
1	Trees shall be felled, in so far as safety permits, to angle in the direction of skidding.
1,2	Logs shall be tractor skidded with the leading end free of the ground.
1,2	Tractors shall be restricted to approved skid roads.
1,2	Tractor skid roads shall be no less than 75-100 feet apart except where converging.
1,2	Use existing skid trails and landings, where they exist and are feasible.

**C6.6 - EROSION PREVENTION AND CONTROL (10/04).** Unless otherwise agreed in writing, Purchaser shall complete erosion prevention and control work required in section B6.6, including Streamcourse protection, within 15 calendar days after completion of skidding and/or yarding operations for each landing.

Designation of on the ground work 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.

During periods of accelerated water runoff, especially during the spring runoff and periods of heavy rainfall, Purchaser shall inspect and open culverts and drainage structures, construct special cross ditches for road runoff, and take other reasonable measures needed to prevent soil erosion and siltation of streams.

When operations are active outside the Normal Operating Season defined in A16, erosion control work will be kept current and will be completed as soon as practicable.

**C6.601# - EROSION CONTROL SEEDING (3/07).** Following completion of skidding and yarding operations in an area, Purchaser shall seed and fertilize all exposed areas of raw soil on skid trails, landings, firebreaks, slides, slumps, Temporary Roads and traveled ways of National Forest system roads scheduled for stabilization by Purchaser after operations. Special Provision C5.419# - SYSTEM ROAD STABILIZATION contains a list of the roads requiring seeding and fertilizing.

Soil on areas to be seeded shall be left in a roughened condition favorable to the retention and germination of the seed or as specified in Special Provision C6.633# - TEMPORARY ROAD, SKID TRAIL/SKID ROAD AND LANDING SCARIFICATION.

Seed and fertilizer shall be spread evenly at the rate of **26** pounds of seed and **240** pounds of fertilizer per acre. When fertilizer and seed are applied in separate operations, the second operation shall be carried out within 72 hours of the first.

Application shall be during the period **specified by Forest Service** and under the above specified conditions unless otherwise approved.

The kinds and amounts of seed to be sown in terms of pure live seed (PLS) shall be:

Species of Seed	PLS Pounds per Acre
Blue Wildrye	8
Bluebunch wheat grass	4
Slender Wheatgrass	4
Mountain Brome	4
Annual Rye	<u>6</u>
<b>Total</b>	26

Purchaser shall provide to the Forest Service:

1. Blue tags, or copies of blue tags from each seed lot used in the specified mix. Only certified, blue-tagged seed shall be used. The blue tag represents a field certification and serves as evidence of the genetic purity and varietal identity of the seed contained in the seed lot .
2. Labels which indicate the percentage composition of the various species in the seed mix.
3. Copies of Seed Analysis Reports from a certified seed analyst for each seed lot used in the specified mix. Purchaser will obtain this report from the seed provider. Seed Analysis Reports must include at a minimum, content of any noxious weed seeds listed on the current "State of **Montana** Noxious Weeds List". Only after the Forest Service has verified that this report indicates the seed does not contain any weeds on the current "State of **Montana** Noxious Weeds List", will the seed be accepted and used.

The following kinds and amounts of standard commercial fertilizer shall be used with guaranteed analysis of contents clearly marked on containers:

Type of Fertilizer	Pounds Per Acre
25-10-10 or 27-12-12 (Slow release Nitrogen)	240

**C6.632# - TEMPORARY ROAD AND TRACTOR ROAD OBLITERATION (2/02).** Notwithstanding the provisions of B6.63 and B6.65, unless otherwise agreed, temporary roads accessing (all units) or Cutting Unit 1 and tractor roads within Cutting Unit 1 constructed for use with this sale shall be obliterated after they have served the Purchaser's purpose. Obliteration shall consist of recontouring road prism including all cut and fill slopes to natural ground contour. Equipment will not be permitted to operate outside the clearing limits. In addition, from 7 to 15 tons per acre of clearing or logging slash, stumps or other woody debris shall be placed and scattered uniformly on the top of the recontoured corridor.

**C6.661 - CURRENT OPERATING AREAS (10/04).** Unless waived in writing by Forest Service, Purchaser shall remove accumulations of slash and logging debris in operating areas from system roads prior to the end of Normal Operating Season. Slash and logging debris in excess of three (3) feet in length and three (3) inches in diameter shall not remain on backslope, in ditches, or on traveled way, shoulders or turnouts. Debris shall be scattered downslope from the roadbed, avoiding any concentrations. When weather permits operation after Normal Operating Season, Purchaser shall keep such work on any additional disturbed areas as current as practicable.

**C6.7 - HAZARD REDUCTION AND SITE PREPARATION (3/89).** Purchaser's timing of product removal, hazard reduction and site preparation shall not unnecessarily delay Forest Service slash disposal, site preparation or reforestation. Purchaser shall perform hazard reduction and site preparation work in accordance with the Hazard Reduction and Site Preparation Plan and Map which are attached hereto and made a part hereof. Such work is in addition to Required Deposits for slash disposal.

**PINTO FIRE SALVAGE**  
**HAZARD REDUCTION AND SITE PREPARATION PLAN**  
**C6.7#**

**General:**

Unless otherwise agreed in writing, Purchaser shall perform the following work described below and as shown on the Hazard Reduction and Site Preparation Map.

Forest Service and Purchaser shall jointly develop a schedule for completion of slash treatment on the various portions of the sale area.

In Cutting Unit s **1 and 2** in which logging is substantially completed by **August 15th**, purchaser's slash disposal and site preparation responsibilities shall be completed by **September 30th** of the same year.

In Cutting Units **1 and 2** in which logging is substantially completed by **September 30th**, purchaser's slash disposal and site preparation responsibilities shall be completed by **October 31** of the same year. –

In cutting units in which logging is substantially completed by **September 30<sup>th</sup>** or any time outside of the Normal Operating Season, purchaser's slash disposal responsibilities shall be completed within the first 30 days of the next Normal Operating Season.–

**Slash Treatment  
Methods:**

**Specifications:**

Landing Cleanup,  
**1 and 2**

A landing is considered a place where any logs or products are gathered for loading. Unless otherwise agreed, all slash accumulated at landings shall be piled.

Piles shall be reasonably compact and free of soil to facilitate burning. Piles will not be less than 15 feet in height. Piles shall be of a size and location which will not impair road use or result in damage to residual timber. Piles shall be located at least 25 feet from residual timber. Piles shall not be more than 30 feet long.

Slashing, Units,

1

Purchaser shall fell all live and dead coniferous vegetation not meeting utilization standards and over 2 feet in height, unless otherwise designated to be left standing. Stump height shall not exceed 4 inches from ground surface as measured on the uphill side. Trees shall be completely severed from the stump.

1

Material to be slashed within **20** feet of the boundary of a unit shall be felled toward the center of the unit. Any material which falls outside of the unit shall be returned to a minimum of **20** feet inside of the boundary. All roads within these units shall be kept free of slashed material. Slashed vegetation shall be felled along the contour as much as possible for water runoff soil movement protection.

Clean System Roads,  
Units,

1 and 2

Purchaser shall dispose of all logging slash 4.5 inch large end diameter and smaller and at least 2 feet in length which is created within the clearing limits of system roads. Slash shall be piled for later burning within the right-of-way clearing unless an alternate method of slash disposal is agreed to in writing. Piles shall be reasonably compact and free of soil to facilitate burning. Piles shall be of a size and location which will not impair road use. Piles shall be a minimum of twice their diameter from any residual timber.

Entire Tree Yard (ETY)

1 and 2

Purchaser shall leave tops and limbs of felled trees attached to Included Timber and yard them to landings.

Slash Throwback, Units,

1

Purchaser shall move all logging slash created by Purchaser's Operations that is outside of the unit boundary to locations at least 10 feet within the boundaries of such units.

**C6.71 - CHANGE IN SLASH TREATMENTS (3/90).** Slash treatment measures required in accordance with the Hazard Reduction and Site Preparation Plan and Map may be changed upon written agreement. The Forest Service shall determine the current cost of performing the work to be deleted and the work to be added. When the cost of work deleted exceeds the cost of work added, the agreement shall provide for a lump sum payment to the Forest Service for the amount of the difference.

**C6.711 - BURNING BY PURCHASER (10/79).** Purchaser shall obtain a written permit from Forest Service before burning any camp refuse, brush, slash or construction debris at any time throughout the year. The terms of the permit will set forth:

- A. Area or location where burning is permitted.
  - B. Material to be burned.
  - C. Safeguards, including help and equipment to control the fire.
  - D. Special precautions to be taken before burning.
- B. Control action needed until the fire is out.

**C6.753 - TEMPORARY ROAD CONSTRUCTION SLASH DISPOSAL (10/82).** Unless agreed otherwise in writing, Temporary Road slash shall be disposed of or treated in accordance with the following:

A. All timber within the road clearing limits which contains a product meeting the minimum piece specifications stated in A2 shall be felled (not pushed over) and bucked in advance of road construction. All timber shall be felled within the clearing limits whenever it is feasible to do so.

B. Timber within the clearing limits not meeting minimum piece specifications in A2 and other debris from the clearing and grubbing operations more than three (3) inches in diameter and three (3) feet in length shall either be (a) utilized and removed from Sale Area, (b) burned within the right of way, (c) removed to designated locations shown on Sale Area Map for burying or later burning, (d) buried, (e) processed through a chipping machine, (f) scattered in such a manner as to avoid concentrations of slash and without damaging other trees or resource values, (g) decked, or (h) a combination thereof.

C. All material to be treated or disposed of shall be bucked into lengths not to exceed 20 feet before being piled or buried.

D. If debris is to be burned, burning shall be complete and shall be done at such times and in a manner approved in writing by Forest Service. Residual construction slash from burning shall be buried, scattered or removed to agreed locations.

E. Debris to be buried shall be placed in prepared holes, benches, or trenches at agreed locations and covered with not less than two (2) feet of native soil or rock. Slash and debris may be buried in the roadway providing hauling can be supported and providing there is little probability or hazard of slope failure.

F. If debris is to be chipped, the chips shall be spread over the surface of the ground in such a manner that their loose depth does not exceed six (6) inches. Chips may be mixed with soil within roadway.

G. Slash and debris may be scattered in those situations where the volume of slash or residual slash is relatively light and the adjacent stands of timber are sufficiently open to accommodate the scattering without damage.

C. If material is decked, logs not meeting Utilization Standards that are six (6) inches or more in diameter shall be bucked into lengths not to exceed 32 feet and piled at agreed locations.

**C6.822 - PRESENTATION FOR WEIGHT SCALING. (4/13)** To facilitate the requirement of B6.82 that loads be presented so that they may be scaled in an economical and safe manner, and to aid in the accountability requirements of C6.840 or C6.848, Purchaser, unless otherwise agreed in writing, shall:

A. Utilize scales that meet the standard for commercial vehicle scales defined in the National Bureau of Standards Handbook 44, current edition.

B. Weigh all loads on scales currently certified by the State in which weighed. Scales must have a current inspection tag or seal posted which shows the date of the most recent test by the State weights and measures agency. No load shall be presented for weighing that weighs more than the certified capacity of the scales in use. Each load shall be weighed according to the *Instructions for Load Weighing and Accountability* posted at the weighing facility, with the gross and tare weights

stamped and recorded by an automatic recording device on the scales. Loads shall be weighed in sequence, with the gross weight obtained first and the tare weight printed within two (2) hours of unloading. In addition to the gross and tare weights, Purchaser shall record the following information on each weight slip:

- a. Sale name
- b. Load Removal Permit number
- c. Date and time weighed

C. Maintain load accountability from the Sale Area to point of weighing. In so doing, the load of products shall remain intact while in transit. Products accidentally lost in transit shall be promptly identified by Load Removal Permit number and sale designation. Purchaser shall, within 48 hours, load out such lost products and present them for weighing or make other arrangements acceptable to Forest Service. Unless otherwise agreed, off-loaded logs will not be stored at State weigh station sites. Logs will be off-loaded onto an empty truck and will have a log load removal permit attached before proceeding from the weigh station. Purchaser is required to notify the Forest Service before off-loading of logs occurs. Off-loaded logs will be delivered immediately to the designated weight scales.

D. Clearly and legibly paint the last three digits of the Load Removal Permit number in **BLACK** paint on the back end of at least three (3) logs of every load transported from the Sale Area.

**C6.823 - VOLUME DETERMINATION. (4/13)** Volume determination shall be based on Weight Measurement unless otherwise agreed. Products shall be weighed on certified scales at locations approved by Forest Service. The weight slip, showing sale name, Load Removal Permit number, date and time weighed, and the gross and tare weights, shall be attached to the Scaler Permit and placed in the location(s) designated by the Forest Service.

In the event of weight scale equipment breakdown or suspension of use for other reasons, hauling shall be suspended until Purchaser and Contracting Officer agree to an alternate weighing location.

If Scaler Permits and/or weight slips are not provided for any reason, Forest Service shall use data from the records during the period in which loss occurred to determine weight of load(s). The weights of such load(s) shall be deemed equal to the load with the heaviest net weight presented during the payment period in which the loss occurred.

Payment for lost products may not be required if Forest Service determines that the weight of such lost products involved is small and justified by existing conditions.

**C6.840 - WEIGHT ACCOUNTABILITY (3/12).** Products shall be accounted for as follows:

A. Requirements Applicable to Purchaser's Accountability Obligations:

- a. Where Purchaser's product accountability responsibilities are concerned, all operations performed by Purchaser's employees, agents, contractors, subcontractors, their employees or agents, Purchaser's obligations shall be the same as if performance is by Purchaser.

B. Requirements Applicable to Product Removal Book:

1. Forest Service:

- a. 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 are accountable property of Forest Service and shall be returned to issuing Ranger District in accordance with instructions contained on the inside cover of each book.

2. Purchaser shall require:

- a. All permits be filled out in ink by an individual named in writing other than the truck driver and be attached to load before products are hauled from immediate vicinity of or adjacent to location where loading is done showing date loaded, brand, sale name, and destination where products will be weighed. Permits shall be attached in accordance with instructions on inside cover of Product Removal Permit Book.
- b. Before products are hauled, truck driver will sign legal signature in ink on Woods Permit.
- c. Purchaser shall assure that all used Scaler Permits are deposited in accordance with procedures established by the Forest Service.

C. Requirements Applicable to Weight Slips:

1. Purchaser shall assure that:

- a. All products removed are presented for weighing at agreed to locations and that gross and tare weights are obtained on certified scales.
- b. That weight slips are attached to proper Scaler Permit and deposited in accordance with procedures established by the Forest Service.

**C6.849 - ROUTE OF HAUL.** (4/13) As part of the annual Operating Schedule, Purchaser shall furnish Forest Service both a map and a written general plan for hauling Included Timber from Sale Area. The plan shall set forth:

- A. Designated haul route(s).
- B. Designated weight scales.

Such route of haul shall normally be the shortest, most economical haul route available between the points. Forest Service written approval of the haul route(s) and weight scales is required prior to commencement of Purchaser's hauling operations. The designated weight scales must meet the requirements contained in Standard Provision B6.814 at each weighing facility the Purchaser wishes to use.

Upon advance written request, other haul routes may be approved. All products removed from Sale Area shall be transported over the approved designated routes of haul. Purchaser shall notify Forest Service when a load of products, after leaving Sale Area, will be delayed for more than 12 hours in reaching weighing location. Such notification shall be made as soon as the Purchaser is aware of the delay and include the Load Removal Permit number, weighing destination and rationale for the delay.

Purchaser shall require truck drivers to stop, if requested by Forest Service, for accountability checks when products are in transit from Sale Area to the designated weighing location. Purchaser and Forest Service shall agree to locations for accountability checks in advance of haul. Such locations shall be established only in areas where it is safe to stop trucks. Forest Service shall notify Purchaser of the methods to be used to alert truck drivers of an impending stop.

**C7.2 - NORMAL PRECAUTIONS (2/02).** Specific fire precautionary measures are set forth below. Upon request of Forest Service, Purchaser shall permit and provide an individual to assist in periodic testing and inspection of required fire equipment. Purchaser shall promptly remedy deficiencies found through such inspecting and testing.

The following requirements shall apply during the period stated in A12 and during other such periods as specified by Forest Service.

A. Fire Extinguishers and Tools Required with Equipment. Each unit of powered equipment used in connection with this sale shall be equipped with serviceable tools and fire extinguishers acceptable to Forest Service as follows:

1. STATIONARY EQUIPMENT. Examples include yarders, log loaders, Hahn Harvester, stroke delimiters, roadside/landing based processors, whole tree chippers, rock crusher, asphalt plant, or other equipment working at fixed locations such as a landing or rock crushing site.

One - Fire extinguisher, dry chemical type of not less than 2.5-pound capacity with 4 B.C. or higher rating.

One - 5-gallon standard galvanized metal, fiber glass or rubberized backpack water container, with hand pump attached, to be filled at all times.

Weatherproofed tool box marked "FIRE ONLY," equipped with a hasp, kept sealed, and containing:

One - Axe, double bit, 3.5#

Two - Shovels (round point #0 lady or equal)

Two - Pulaskis

The tool box shall be mounted on equipment, if feasible, unless another location is agreed to in writing. The tool box shall be within 100 feet of the designated machine at all times when operating. Only one (1) tool box is required at each active fixed location site.

2. MOBILE EQUIPMENT. Examples include crawler tractors, rubber-tire skidders, soft-track skidders, forwarders, feller-bunchers, feller-processors, excavators, front-end loaders, back-hoes, scrapers, and motor graders.

One - Fire extinguisher, dry chemical type of not less than 2.5-pound capacity with a 4 B.C. or higher rating.

One - Shovel (round point #0 lady or equal). For equipping mobile equipment, an acceptable substitute is a "D-handle" round point shovel with a minimum 27-inch handle and a minimum 8- by 11-inch blade.

One - Axe, double bit, 3.5#, or one pulaski.

3. SUPPORT EQUIPMENT. Examples include trucks, low-boys, busses, pickups, panels, automobiles, service trucks, or similar equipment used in transporting logs, people, equipment, and/or materials.

One - Fire extinguisher, dry chemical type of not less than 2.5-pound capacity with 4 B.C. or higher rating

One - Shovel (round point #0 lady or equal)

One - Axe, 2# or over, 26-inch minimum length, or one pulaski

One - Bucket or similar water container (at least 1-gallon capacity)

#### 4. POWER SAWS

One - Shovel (round point #0 lady or equal). Shovel shall be with gas containers and/or no more than 100 feet distance from where sawyer is working.

One - Fire extinguisher, containing not less than eight (8) ounces of extinguisher fluid or a dry chemical powder type of not less than one (1) pound capacity. The extinguisher shall be carried by the operator at all times.

Any fueling or refueling of a power saw shall only be done in an area which is free of or which has first been cleared of all material capable of carrying fire; such power saw shall be moved at least 10 feet from place of fueling before starting.

B. Fire Tools on Sale Area. Purchaser shall furnish and maintain in serviceable condition, in quantities and at locations to be designated by Forest Service, tool boxes, fire tools and other fire equipment to be used only for suppressing forest fires. Each tool box shall be weatherproofed and marked "TOOLS FOR FIRE ONLY" and kept sealed. These requirements are in addition to fire tool requirements for mobile, stationary, support or power saw equipment.

1. Special tool caches shall not be required when less than 20 people are employed on Sale Area, excluding logging truck drivers.

2. Operations employing more than 20 individuals on Sale Area, excluding truck drivers, shall furnish a tool cache with a minimum of one serviceable tool per person in the following configuration:

Axe, double bit, 3.5#, 10%

Shovels (round point #0 lady or equal), 45%

Pulaskis, 45%

C. Spark Arresters. Each internal combustion engine shall be provided with a spark arrester or spark arresting device approved by Forest Service. Exceptions where Forest Service may approve mufflers or other equipment in lieu of spark arresters qualified and rated under Forest Service standard 5100-1a are: (a) small multi-position engines, such as chain saws, shall meet Society of Automotive Engineers J335b standards, (b) passenger-carrying vehicles and light trucks may have baffle-type muffler with tail pipe, (c) heavy-duty trucks may have a vertical stack exhaust system with muffler, provided the exhaust stack extends above the cab of the vehicle, (d) an exhaust driven turbocharger is considered to be a satisfactory spark arrester. Internal combustion engine exhaust systems, arresters and other devices shall be properly installed and maintained.

D. Blasting. Fuse or prima cord shall not be used unless authorized in writing by Forest Service, with special precautions stated.

E. Smoking. Smoking shall not be permitted within logging operations except on surfaced or dirt roads, at landings, within closed vehicles, in camps or at other posted places. Smoking shall not be permitted while working or traveling on foot, within or through Sale Area.

F. Precautions for Stoves. Stovepipes on all temporary buildings, trailers, and tents using wood-burning stoves shall be equipped with roof jacks and serviceable spark arresters of mesh with openings no larger than 5/8 inch. All stovepipes, inside and out, shall not be closer than two (2) feet from any wood or other flammable material or one (1) foot if the combustible material is protected by a metal or asbestos shield.

G. Debris Around Buildings. The grounds around buildings, tents and other structures shall be kept free of flammable material for a distance of at least 15 feet from the wall of such structures.

H. Storage of Petroleum and Other Highly Inflammable Products. Gasoline, oil, grease, or other highly flammable material shall be stored either in a separate building or at a site where all combustible debris and vegetation is cleared away within a radius of 25 feet. Fire extinguishers and/or sand barrels may be required at such locations specified by Forest Service when unusually hazardous conditions exist.

I. Debris Burning and Warming Fires. Burning permits shall be required throughout the year for all debris burning fires. Lunch and warming fires may be allowed in fireproofed areas during periods of low fire danger as specified in the fire plan. Such fires shall not be left unattended.

J. Cable Logging. All tail blocks and corner blocks shall be of an accepted haulback design which prevents line fouling and used with line guards. Such blocks shall be located to prevent cables from rubbing against trees, snags, down logs or rock when operating.

Areas adjacent to blocks shall be cleared of flammable material within a 5-foot radius. One (1) shovel and one (1) pulaski shall be maintained within 10 feet of each block.

K. Emergency Measures. Additional measures and/or other special requirements necessary during periods of critical fire-weather conditions shall be included in the fire prevention and suppression plan.

L. Welding. Welding and use of cutting torches or cutoff saws will be permitted only in areas that have been cleared or are free of all material capable of carrying fire. Flammable debris and vegetation must be removed from within a minimum 10-foot radius of all welding and cutting operations. A shovel and a 5-gallon standard backpack water container filled and with handpump attached shall be immediately available for use in the event of a fire start.

**C8.66# – USE OF TIMBER (Option 1) (4/04).**

(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 Section, 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 Section, Forest Service will not be liable for any Claim submitted by Purchaser relating to the termination.