

PROSPECTUS

GRANTS PASS RESOURCE AREA
JOSEPHINE MASTER UNIT

Medford Sale #11-03
August 25, 2011

#2 DOUBLE RUM, Josephine County, O&C

BID DEPOSIT REQUIRED: **\$6,400.00**

All timber designated for cutting in SW¼NE¼, SW¼NW¼, N½SW¼, SW¼SE¼ Section 10; NW¼NE¼, SE¼NW¼, N½SW¼, SW¼SE¼ Section 15; SE¼NE¼, NE¼SE¼ Section 16; NE¼ Section 21; NW¼NE¼ Section 22, T. 34S., R.8W., Willamette Meridian.

Approx. Number Merch. Trees	Est. Volume MBF 32' Log	Est. Volume CCF	Species	Est. Volume MBF 16' Log	Appr. Price Per MBF*	Est. Volume Times Appraised Price
3,498	429	1,041	Douglas-Fir	533	\$117.30	\$62,520.90
262	27	67	White Fir	34	\$30.90	\$1,050.60
81	8	19	Ponderosa Pine	10	\$28.10	\$281.00
3,841	464	1,127	Totals	577		\$63,852.50

*Stumpage values have been determined by market value estimates and analytical appraisal methods were used to compute the appraised price. Additional information concerning the appraised price is available at the Medford District Office.

**Minimum stumpage values were used to compute the appraised price (10% of pond value).

TIMBER AUCTION LOCATION – The timber auction will be held at the BLM Grants Pass Interagency Office, located at 2164 NE Spalding Avenue, Grants Pass, Oregon, at 9 a.m. on Thursday, August 25, 2011.

Bidders will be restricted to bidding on a unit (MBF) rate of the Douglas-fir volume. All other species will be sold at appraised price per unit (MBF). The minimum bid increment will be \$0.10 per MBF.

CRUISE INFORMATION – The Douglas-fir has been cruised using the 3-P sampling method to select sample trees. Maps showing the location and description of these sample trees are available at the Grants Pass Interagency Office. The sample trees have been measured, utilizing the VOLT system of measurement, and the volume expanded to a total sale volume. The volume of all other species in this sale has been derived from individual tree measurements taken during a 100% cruise using form class tables for estimating board foot volume of trees in 16-foot logs

Approximately 1% of the sale volume is salvage material. With respect to merchantable trees of all conifer species: the average tree is 14.4 inches DBHOB; the average gross merchantable log contains 44 bd. ft.; the total gross volume is approximately 602 M bd. ft; and 96% recovery is expected. (Average DF is 14.5 inches DBHOB; average gross merchantable log DF contains 44 bd. ft.)

LOG EXPORT AND SUBSTITUTION RESTRICTIONS - All timber sold to the Purchaser under the terms of the contract, except exempted species, is restricted from export from the United States in the form of unprocessed timber and is prohibited from use as a substitute for exported private timber.

The BLM has revised the log export restrictions special provision to reduce the log branding and painting requirements. The new requirements include branding of one end of all logs with a scaling diameter of over 10 inches. All loads of 11 logs or more, regardless of the diameter of the

logs, will have a minimum of 10 logs branded on one end. All logs will be branded on loads of 10 logs or less. One end of all branded logs will be marked with yellow paint. At the discretion of the Contracting Officer, the Purchaser may be required to brand and paint all logs. The Purchaser shall bear any increased costs for log branding and painting.

CUTTING AREA – Eleven (11) units containing 41 acres must be partial cut.

CUTTING TIME - Contract duration will be 24 months for cutting and removal of timber.

ACCESS - Access to the sale area is available via a public road through the contract area and existing BLM roads.

ROAD MAINTENANCE - The Purchaser will be required to maintain 9.88 miles of existing BLM roads. The Purchaser will be required to pay a rockwear fee of \$908.02. BLM will maintain 8.21 miles of existing roads. The Purchaser will be required to pay a total maintenance fee of \$2653.77.

ROAD RENOVATION - The contract will require the Purchaser to renovate 539.08 stations of road. Additional information is available in the timber sale prospectus.

SOIL DAMAGE PREVENTION - Pursuant to Section 25 of Form 5450-3, Timber Sale Contract, the Purchaser shall limit tractor yarding between October 15 of one calendar year and May 15 of the following calendar year both days inclusive. If soil moisture conditions are dry, as determined by the inability of soil sample taken at 4-6" to maintain form when compressed and by the inability of soil moisture at the surface to be readily displaced, causing ribbons and ruts along equipment tracks, the Contracting Officer may approve a conditional waiver. If impacts to soil resulting from said conditional waiver are not acceptable, as determined by the Authorized Officer, the waiver will be revoked.

EQUIPMENT REQUIREMENTS –

1. Yarding tractor not greater than 9.0 feet wide as measured from the outer edges of standard width track shoes and equipped with integral arch and winch capable of lining logs 75 feet.
2. Cable yarder capable of one end log suspension, lateral yarding and yarding logs uphill approximately 400 feet.

SLASH DISPOSAL – Appraised slash disposal consists of forty-one (41) acres of lop and scatter.

CONTRACT TERMINATION - A revised Special Provision has been added to the contract which enables the Contracting Officer to suspend the contract to facilitate protection of certain plant or animal species, and /or to modify or terminate the contract when necessary to:

1. Comply with the Endangered Species Act, or;
2. Comply with a court order, or;
3. Protect species which were identified for protection through survey and manage and/or protection buffer standards and guidelines established in the ROD and RMP.

This contract provision limits the liability of the Government to the actual costs incurred by the Purchaser which have not been amortized by timber removed from the contract area.

PERFORMANCE BOND - A performance bond in the amount of 20% of the total purchase price will be required.

OTHER -

1. No extension of time beyond the normal 30 days will be granted for completing bonding and contract signing requirements.

2. Tractor landings are limited to ¼ acre or less.
3. Seasonal operating constraints, (L-18, L-18a).
4. Cleaning of equipment and vehicles is required prior to move in onto federal lands. Other measures as necessary to control spread of Port-Orford root disease, 41(D)(11).
5. Cleaning of equipment to eliminate noxious weeds is required prior to move in of equipment onto federal lands, Section 41(D)(6).
6. This contract contains provisions, (L-25), for the sale and removal of additional timber necessary to facilitate safe and efficient Purchaser operations. These provisions include: The designation and sale of additional timber, such as skid, corridor and guyline trees, at contract price, as necessary to facilitate safe and efficient logging. Such trees may be felled and removed when they are painted by the Authorized Officer; Sale of additional timber volume at current fair market value where the species of trees are not representative of the forest stands being thinned; The use of unilateral modifications executed by BLM for such additional timber; Revocation of the Purchaser's right to cut additional timber if the Authorized Officer determines that trees have been cut and removed that were not previously marked and approved for cutting and removal by the Authorized Officer.

NARRATIVE DESCRIPTION OF HOW TO GET TO THE TIMBER SALE AREA – From Grants Pass, go north on Interstate 5 to the Merlin exit. Proceed westerly on the Merlin-Galice Hwy. approximately 12 miles to the Galice access road (BLM Rd. #34-8-36). Turn left; proceed approx. 1 mile to BLM Rd. #35-8-2. Take the 35-8-2 road to the junction with the West Fork of Rum Creek (BLM Rd. #34-8-34) road (approx. 4 miles). Travel the 34-8-34 approx. 3.2 miles to unit #15-14 of the timber sale area.

ENVIRONMENTAL ASSESSMENT - An environmental assessment (EA-OR117-06-01) was prepared for this sale, and a Finding of No Significant Impact has been documented. This document is available for inspection as background for this sale at the Grants Pass Interagency Office.

OR110-TS11-03

** In-stream work periods for culvert cleaning are June 15th- September 15th

[illegible]

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THIS IS A SALE PROSPECTUS ONLY. THESE ARE THE SPECIAL PROVISIONS AS THEY WILL BE WRITTEN IN THE CONTRACT. ATTACHMENTS MAY NOT INCLUDE ALL EXHIBITS REFERRED TO IN THE CONTRACT PROVISIONS. THE COMPLETE CONTRACT, INCLUDING ALL EXHIBITS, IS AVAILABLE FOR INSPECTION AT THE MEDFORD DISTRICT OFFICE.

Sec. 40. TIMBER RESERVED FROM CUTTING - The following timber on the contract area is hereby reserved from cutting and removal under the terms of this contract and is retained as the property of the Government.

- (A) AR-1 All timber on the Reserve Areas as shown on Exhibit A and all orange painted/or posted trees which are on or mark the boundaries of the Reserve Areas.
- (B) IR-2 All timber except approximately three thousand four hundred ninety eight (3,498) Douglas-fir, two hundred sixty two (262) White Fir, and eighty one (81) Ponderosa Pine trees marked for cutting heretofore by the Government with blue paint above and below stump height in all units shown on Exhibit A.
- (C) IR-6 All hardwood trees which are larger than eight (8) D.B.H.O.B. in all units as shown on Exhibit A.
- (D) IR-6 All snags all wind thrown trees in all units except hazard snags. Any felled hazard snags must remain where felled or as directed by the Authorized Officer.
- (E) IR-10 All trees marked with a band of orange paint about six feet from the ground and with a yellow, metal, SEED TREE tag in the partial cutting area shown on Exhibit A. These trees are selected, genetically superior trees and are specially valued as a component of the tree improvement program. Any damage to such reserve trees caused by the Purchaser shall be charged for on the basis of the resulting total loss to the Government including any loss in value as a superior seed source
- (F) IR-11 All trees marked with an orange painted W in all units shown on Exhibit A. These trees are selected wildlife trees and are specially valued as a component of the Wildlife Habitat Management program. Selected wildlife trees damaged or destroyed by the Purchaser shall be valued for purposes of determining damages at current market value of the merchantable volume plus the cost to replace the damaged or destroyed trees. The Purchaser will be liable under applicable sections of this contract for the removal or destruction of these selected wildlife trees, except for such trees which the Authorized Officer determines to be a safety hazard as defined by applicable safety codes and regulations. When selected wildlife trees are determined to be danger trees, written approval

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to fell such trees shall be obtained from the Authorized Officer conforming to all requirements of Section 8 of this contract.

- (G) IR-11M All trees which were severed from the stump or cut into logs prior to the date this contract was entered into, and all pre-existing dead and down woody debris within all units as shown on Exhibit A.

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Section 41

(A) Log Exports

- (1) LE-1 All timber sold to the Purchaser under the terms of this contract is restricted from export from the United States in the form of unprocessed timber, and is prohibited from being used as a substitute for exported private timber. For the purpose of this contract, unprocessed timber is defined as: (1) any logs except those of utility grade or below, such as sawlogs, peeler logs and pulp logs; (2) cants or squares to be subsequently remanufactured exceeding eight and three-quarters (8 :) inches in thickness; (3) split or round bolts or other roundwood not processed to standards and specifications suitable for end-product uses; or (4) western red cedar lumber which does not meet lumber of American Lumber Standards Grades of Number 3 dimension or better, or Pacific Lumber Inspection Bureau R-List Grades of Number 3 Common or better. Thus, timber manufactured into the following will be considered processed: (1) lumber and construction timber, regardless of size, manufactured to standards and specifications suitable for end-product uses; (2) chips, pulp, and pulp products; (3) green or dry veneer and plywood; (4) poles and piling cut or treated for use as such; (5) cants, squares, and lumber cut for remanufacturing of eight and three-quarters (8 :) inches in thickness or less; (6) shakes and shingles.

Substitution will be determined under the definition found in 43 CFR 5400.0-5(n).

The Purchaser is required to maintain and upon request to furnish the following information:

- (a) Date of last export sale.
- (b) Volume of timber contained in last export sale.
- (c) Volume of timber exported in the past twelve (12) months from the date of last export sale.
- (d) Volume of Federal timber purchased in the past twelve (12) months from the date of last export sale.
- (e) Volume of timber exported in succeeding twelve (12) months from date of last export sale.
- (f) Volume of Federal timber purchased in succeeding twelve (12) months from date of last export sale.

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In the event the Purchaser elects to sell any or all of the timber sold under this contract in the form of unprocessed timber, the Purchaser shall require each party buying, exchanging, or receiving such timber to execute a Form 5460-16 (Certificate as to Nonsubstitution and the Domestic Processing of Timber). The original of such certification shall be filed with the Authorized Officer. Additionally, when the other party is an affiliate of the Purchaser, the Purchaser will be required to update information under item (2) of Form 5450-17 (Export Determination) and file the form with the Authorized Officer.

In the event an affiliate of the Purchaser has exported private timber within twelve (12) months prior to purchasing or otherwise acquiring Federal timber sold under this contract, the Purchaser shall, upon request, obtain from the affiliate information in a form specified by the Authorized Officer and furnish the information to the Authorized Officer.

Prior to the termination of this contract, the Purchaser shall submit to the Authorized Officer Form 5460-15 (Log Scale and Disposition of Timber Removed Report) which shall be executed by the Purchaser. In addition, the Purchaser is required under the terms of this contract to retain for a three-year period from the date of termination of the contract the records of all sales or transfer of logs involving timber from the sale for inspection and use of the Bureau of Land Management.

Unless otherwise authorized in writing by the Authorized Officer, the Purchaser shall, prior to the removal of timber from the contract area, brand with the Purchasers registered log brand at least one end of each log bolt or other roundwood and identify each of these by painting with highway yellow paint.

In the event of the Purchasers noncompliance with this subsection of the contract, the Authorized Officer may take appropriate action as set forth in Section 10 of this contract. In addition, the Purchaser may be declared ineligible to receive future awards of Government timber for a period of one year.

(B) Logging

- (1) L-1 Before beginning operations on the contract area for the first time or after a shutdown of seven (7) or more days, the Purchaser shall notify the Authorized Officer in writing of the date he plans to begin operations. This written notification must be received by the Authorized Officer no less than seven (7) days prior to the date the Purchaser plans to begin or resume operations. The Purchaser shall also

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notify the Authorized Officer in writing if he intends to cease operations for any period of seven (7) or more days.

- (2) L-4 All conifers marked with blue paint for cutting shall be felled in all units as shown on Exhibit A.
- (3) L-6 In all units shown on Exhibit A, all trees may be felled and yarded to approved landing locations either tree length, or with tops attached. If excessive stand damage occurs from bark slippage, girdling, broken tops, damage to live crowns, or soil disturbance greater than 15% over harvest area, as determined by the Authorized Officer, bucking and/or limbing will be required.
- (4) L-7MC Yarding on the areas designated herein and shown on Exhibit A shall be done in accordance with the yarding requirements or limitations for the designated area.

Designated Area	Yarding Requirements or Limitations
Entire contract area	All operator spurs will not exceed fourteen (14) feet in width. No step landing construction.
<u>CABLE UNITS</u> Units:10-8B,10-10,15-9B,15-14,15-17,21-14B	Yarding will be done with a cable yarding system which will suspend one end of the log clear of the ground during inhaul on the yarding corridor. A carriage is required which will maintain a fixed position on the skyline during lateral yarding and has a minimum lateral yarding capability of seventy-five (75) feet. The carriage will be a minimum of fifteen (15) feet above the ground during lateral yarding. Yarding corridors will be approximately one hundred fifty (150) feet apart and perpendicular to the contours. Yarding corridors will be limited to one (1) per landing unless otherwise approved by the Authorized Officer. No yarding will be allowed up or down draw bottoms.

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Designated Area	Yarding Requirements or Limitations
<u>CABLE UNITS</u> Units:10-8B,10-10,15-9B,15-14,15-17,21-14B	<p>Directional falling to lead will be required.</p> <p>Yarding corridor widths shall not exceed six (6) feet either side of the skyline centerline.</p> <p>Prior to falling any timber in the units, all tail/lift trees and/or intermediate support trees shall be identified by the Purchaser and approved by the Authorized Officer.</p>
<u>TRACTOR UNITS</u> Units:10-8A,10-10,10-16,15-4,15-9A,21-14A	<p>Yarding tractor width will not be greater than nine (9.0) feet as measured from the outer edges of standard width track shoes.</p> <p>The location of the tractor skid roads must be clearly designated approximately one hundred (100) feet apart, where topography allows, and approved by the Authorized Officer prior to felling of timber to be yarded over the tractor skid roads.</p> <p>Use of mechanized equipment off of designated skid roads shall require approval from the Authorized Officer. All operations shall maintain soil compaction of 12% or less across the harvest area and avoid excessive injury to timber otherwise reserved in Section 40 of the contract.</p> <p>Yarding tractors will be equipped with integral arches capable of one-end suspension during skidding and winch systems capable of lining logs at least seventy-five (75) feet.</p> <p>No yarding will be allowed up or down draw bottoms.</p> <p>Landing size shall not exceed one-quarter (1/4) acre.</p> <p>Directional falling will be required.</p> <p>Ground based equipment shall be limited to slopes less than thirty-five (35) percent.</p>

- (5) L-11 No landing shall be located within one hundred fifty (150) feet of springs or streams as shown on Exhibit A, or as directed by the Authorized Officer.

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- (6) L-18a No road construction, road improvement, road maintenance, landing construction, hauling, felling, yarding, chainsaw operation, or prescribed fire operations within units 10-8A and 10-8B shall be conducted between March 1 and June 30 of the same calendar year, both days inclusive. This restriction will not apply if it can be shown from Spotted Owl protocol surveys conducted by the Bureau of Land Management in accordance with accepted standards that Spotted Owl nesting and/or fledging activities are not occurring during the year of harvest.
- (7) L-18 No operator spur renovation, road maintenance, decommissioning, landing construction, and tractor or other ground base yarding shall be conducted on the Contract Area between October 15 of one calendar year and May 15 of the following calendar year both days inclusive. Purchaser may request in writing, a conditional waiver of this restriction. If soil moisture conditions are dry, as determined by the inability of soil sample taken at 4-6" to maintain form when compressed and by the inability of soil moisture at the surface to be readily displaced, causing ribbons and ruts along equipment tracks, the Contracting Officer may approve a conditional waiver. If impacts to soil resulting from said conditional waiver are not acceptable, as determined by the Authorized Officer, the waiver will be revoked.
- (8) L-18 No hauling on natural surface/operator spur and rocked roads shall be conducted on the Contract Area between October 15 of one calendar year and May 15 of the following calendar year both days inclusive. Purchaser may request in writing, a conditional waiver of this restriction. If moisture conditions on the road are deemed acceptable and do not result in continuous mud splash or tire slide, fines being pumped through road surfacing from the subgrade, road drainage causing a visible increase in stream turbidities, surface rutting, or any condition that would result in water being chronically routed into tire tracks or away from designed road drainage during precipitation events, Contracting Officer may approve a conditional waiver. If moisture conditions on the road resulting from said conditional waiver are not acceptable as determined by the Authorized Officer, the waiver will be revoked.
- (9) L-19 Prior to attaching any logging equipment to a reserve tree, the Purchaser shall obtain written approval from the Authorized Officer and shall take precautions to protect the tree from damage as directed in writing by the Authorized Officer.
- (10) L-24 Prior to the commencement of operations, the Purchaser shall obtain from the Authorized Officer written approval of a written operations and logging plan commensurate with the terms and conditions of the contract which shall include measures needed to assure protection of the environment and watershed. A prework conference between the Purchasers authorized representative and the Authorized

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Officers representative must be held at a location designated by the Authorized Officer before the logging plan will be approved.

- (11) L-25 Before cutting and removing any trees necessary to facilitate logging in all units and adjacent reserve areas shown on Exhibit A, the Purchaser shall identify the location of the skid roads, cable yarding roads, and tailhold, tieback, guyline, lift, intermediate support, and danger trees on the ground in a manner approved by the Authorized Officer at the pre-work conference and documented in the Logging Plan. Said Purchaser identification of trees to be cut and removed does not constitute authority to proceed with cutting and removal. In addition, before proceeding with cutting the following conditions must be met:

(a) All skid and/or cable yarding roads upon which timber is identified by the Purchaser to be cut and removed in accordance with this special provision must be necessary for the removal of timber sold under this contract and shall be limited to the minimum width necessary for yarding of logs with a minimum of damage to reserve trees, however, unless otherwise approved in writing by the Authorized Officer, the width of each cable yarding road shall be limited to twelve (12) feet.

(b) The Purchaser may immediately cut and remove additional timber to clear skid and/or cable yarding roads; and provide tailhold, tieback, guyline, lift, and intermediate support trees; and clear danger trees when the trees have been marked with red paint above and below stump height by the Authorized Officer and thereby approved for cutting and removal by the Authorized Officer. The volume of the timber will be determined by the Authorized Officer in accordance with Bureau of Land Management prescribed procedures. No timber may be cut or removed under terms of this provision unless sufficient installment payments have been made in accordance with Section 3.(b). of the contract or sufficient bonding has been provided in accordance with Section 3.(d). of the contract.

(c) The Purchaser agrees that sale of this additional timber shall be accomplished by a unilateral modification of the contract executed by the Contracting Officer and that such timber shall be sold at the unit prices shown in Exhibit B of this contract unless: the value of the timber must be reappraised subject to the terms for contract extension set forth in Section 9 of the contract; or, the Authorized Officer determines that Sugar Pine and Incense Cedar trees otherwise reserved in Section 40 B of the contract or any tree that exceeds thirty (30) inches diameter at breast height shall be appraised and sold by bilateral modification of the contract at current fair market value in accordance with Section 8 of the contract.

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(d) This authorization for the Purchaser to cut and remove additional timber prior to the execution of a modification may be withdrawn by the Contracting Officer if the Authorized Officer determines that the Purchaser has cut and removed any tree not previously marked and approved for cutting by the Authorized Officer, which under Section 10 of the contract constitutes a violation of the contract and under Section 13 of the contract may constitute a trespass rendering the Purchaser liable for damages under applicable law.

(e) If authorization is withdrawn, the Contracting Officer shall issue a written notice to the Purchaser that the sale of additional timber under this special provision is no longer approved. In this case, the Purchaser shall inform the Authorized Officer at least one (1) working day prior to the need for cutting and removing any additional timber, and execute a bilateral modification prior to cutting for such additional approved timber at the unit prices shown in Exhibit B of the contract or in accordance with Section 8 or Section 9 of the contract as determined by the Authorized Officer in accordance with this provision. The Contracting Officer may issue a written order to the Purchaser to suspend, delay, or interrupt any or all contract work for the period of time deemed necessary and appropriate for the Government to safely measure and mark additional timber.

- (12) L-27 In all units shown on Exhibit A, all trees designated for cutting which are within a tree length of the streams and springs to be protected shall be felled away from those streams and springs.
- (13) L-27 In all units shown on Exhibit A, all trees designated for cutting which are within a tree length of the unit boundaries shall be felled away from the boundaries and into the unit.
- (14) L-27 In all tractor yarding units as shown on Exhibit A, all trees designated for cutting shall be directionally quartered towards pre-approved skid trails.
- (15) L-27 All trees designated for cutting adjacent to administratively withdrawn areas shown on Exhibit A shall be felled away from these areas. No ground disturbance, slashing, or ignition shall take place within these administratively withdrawn areas unless approved by the Authorized Officer.

(C) Road Construction - Maintenance - Use

- (1) RC-1a The Purchaser shall construct, improve and/or renovate all roads and other structures in strict accordance with the plans and specifications shown on Exhibit C,

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which is attached hereto and made a part hereof.

- (2) RC-1b Prior to removal of any timber, except right-of-way timber, logging spurs, the Purchaser shall complete all construction, improvement, or renovation of structures and roads as specified in Exhibit C.
- (3) RC-2 BLM Maintenance. The Purchaser is authorized to use the roads listed below and shown on Exhibit D which are under the jurisdiction of the Bureau of Land Management for the removal of Government timber sold under the terms of this contract, provided that the Purchaser pay the required maintenance obligations described in Sections 41(C)(5). The Purchaser shall pay current Bureau of Land Management maintenance fees for the sale of additional timber under modification to the contract.

Road No. and Segment	Length Miles Used	Road Control	Road Surface Type
34-8-27	0.88	BLM	BST
34-8-28	0.33	BLM	BST
35-8-2	6.09	BLM	BST
34-8-36	0.72	BLM	BST
Hellgate Bridge	0.19	BLM	BST
Total Miles	8.21		

- (4) RC-2a Purchaser Maintenance. The Purchaser is authorized to use the roads listed below and shown on Exhibit D which are under the jurisdiction of the Bureau of Land Management for the removal of Government timber sold under the terms of this contract and/or the hauling of rock as required in Exhibit C, provided that the Purchaser comply with the conditions set forth in Section 41 (C)(7) and pay the required rockwear obligation described in Section 41 (C)(6). The Purchaser shall pay current Bureau of Land Management rockwear fees for the sale of additional timber under modification to the contract.

Road No. and Segment	Length Miles Used	Road Control	Road Surface Type
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Road No. and Segment	Length Miles Used	Road Control	Road Surface Type
34-08-10	0.56	BLM	ASC
34-08-10.1	0.60	BLM	ASC
34-08-15	0.44	BLM	ASC
34-08-22.1	1.09	BLM	ASC
34-08-28	1.05	BLM	ASC
34-08-34	6.14	BLM	ASC
Total Miles	9.88		

- (5) RC-2c The Purchaser shall pay the Government a road maintenance obligation in the amount of two thousand six hundred fifty three and 77/100 dollars (\$2653.77) for the transportation of timber included in the contract price and for the transportation of any mineral material required under the terms of the contract over road or roads listed in Section 41 (C)(3).

The above road maintenance amount is for use of 8.21 miles of road or less. Unless the total maintenance amount is paid prior to commencement of operations on the contract area, payments shall be made in installments of not less than five hundred and no/100 dollars (\$500.00); payable in the same manner as and together with payments required in Sec. 3 of this contract. The total maintenance amount shall be paid prior to the removal of timber from the contract area.

- (6) RC-2g The Purchaser shall also pay to the Government a road maintenance obligation for rockwear in the amount of nine hundred eight and 02/100 dollars (\$908.02) for the transportation of timber included in the contract price and for transportation of any mineral material required under terms of the contract over road or roads listed in Section 41(C)(4). The amount of the rockwear shown above shall be paid prior to removal of timber from the contract area; provided, however, that if the total of such amount exceeds five hundred and no/100 dollars (\$500.00), the Purchaser may elect to make the payment in installments in the same manner as and together with payments required in Section 3 of this contract.

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- (7) RC-2h The Purchaser shall perform any required road repair and maintenance work on roads used by him, under the terms of Exhibit D, "Road Maintenance Specifications," of this contract, which is attached hereto and made a part hereof.
- (8) RC-3d The Purchaser agrees that if they elect to use any other private road which is the subject of a right-of-way agreement with the Government for the removal of Government timber sold under the terms of this contract, the Purchaser shall request and agree to the modification of this contract to provide for such use and for allowances for amortization of the Government's share of the capital investment of any such road.
- (9) RC-8 The Purchaser shall be required to secure written approval to use vehicles or haul equipment over Government owned or controlled roads and/or structures when that vehicle or equipment exceeds the maximum allowable weights or dimensions established by the State for vehicles operating without a permit.

Details of such equipment shall be furnished to the Authorized Officer for evaluation of load characteristics, at least fifteen (15) days prior to proposed move-in.

Details shall include:

- (a) Axle weights when fully loaded.
- (b) Axle spacing.
- (c) Transverse wheel spacing.
- (d) Tire size.
- (e) Outside width of vehicle.
- (f) Operating speed.
- (g) Frequency of use.
- (h) Special features (e.g., running tracks, overhang loads, etc.)

The Purchaser shall be responsible for repair of any damage to roads or structures caused by the use of overweight or over-dimension vehicles (1) without written approval, (2) in violation of the conditions of a written approval or (3) in a negligent manner. The amount of actual damage shall be determined by the Authorized Officer following a technical inspection and evaluation.

(D) Environmental Protection

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- (1) E-1 In addition to the requirement set forth in Sec. 25 of this contract, the Purchaser shall winterize and rehabilitate operator spurs, landings, main skid trails, cable yarding corridors, and other areas of exposed soils if used for more than one season by properly installing and/or using water bars, berms, sediment basins, silt fencing, gravel pads, hay bales, small dense woody debris, seeding and/or mulching, to reduce sediment runoff as directed by the Authorized Officer.
- (2) E-1 In addition to the requirement set forth in Sec. 25 of this contract, the Purchaser shall construct water dips and/or water bars on all tractor skid roads, spur roads, and cable yarding corridors. Construction for skid roads will be concurrent with yarding, in accordance with Exhibit W, or as directed by the Authorized Officer. Water bar construction for cable yarding corridors shall be as directed by the Authorized Officer. Skid roads shall be blocked where they intersect with haul roads.
- (3) E-1 In addition to the requirement set forth in Sec. 25 of this contract, the Purchaser shall construct earth/log barricade in accordance with Exhibit F at locations shown on Exhibit A. Barricades shall be constructed upon completion of the road decommissioning, or as directed by the Authorized Officer.
- (4) E-1 In addition to the requirement set forth in Sec. 25 of this contract, the Purchaser shall hand seed and straw mulch, (native and weed free) all natural surfaced landings, and spur roads constructed or used during the logging operations with native grass seed at a rate of twenty-five (25) pounds per acre as directed by the Authorized Officer. If the quantity of native grass seed is not available a mixture of annual rye, native grass, and sterile wheatgrass shall be applied at a rate of twenty-five (25) pounds per acre. The purchaser shall provide written certification that the seed is free of noxious weeds. (Mixture requirements: thirteen (13) pounds annual rye, nine (9) pounds native grass, three (3) pounds sterile wheatgrass). Native grass seed shall be supplied by the government. Seed shall be applied from April 1 to May 15 or September 30 to November 1.
- (5) E-1 In addition to the requirements set forth in Sec. 25 of this contract, the Purchaser shall:
 - (a) Use a minimum seventy (200) flywheel horsepower tractor with mounted rippers having shanks and teeth consistent with drawings and specifications shown on Exhibit R of this contract, which is attached hereto and made a part hereof.

DOUBLE RUM
SPECIAL PROVISIONS

- (b) Use rippers as shown on Exhibit R to fulfill ripping requirements of this provision.
 - (c) Rip to a depth of eighteen (18) inches. Areas to be ripped will have two offset passes or as determined by the Authorized Officer.
 - (d) Rip during the period of June 1 to September 15, both dates inclusive.
 - (e) Rip all main tractor skid roads, constructed/used spur roads, and natural surface landings constructed or used during the logging operation or as directed by the Authorized Officer.
- (6) E-1 In addition to the requirement set forth in Sec. 25 of this contract, the Purchaser shall only be allowed to use logging, construction, rock crushing, road maintenance and/or transportation equipment that is free of noxious weed seeds prior to entering federal lands in the contract area as shown on Exhibit A.

If equipment is not considered free of noxious weed seeds by the Government, it shall be cleaned prior to entering federal lands. Cleaning shall be defined as removal of dirt, grease, plant parts, and material that may carry noxious weed seeds on to federal lands. Cleaning prior to entering federal lands may be accomplished by using a pressure hose.

Equipment shall be subject to visual inspection by the Government to certify that the equipment is free of noxious weed seeds. Only equipment inspected by the Government shall be allowed to operate on federal lands within the contract area. The Purchaser shall make equipment available for Government inspection at an agreed upon location off federal lands prior to any move-in of equipment.

Requirements as outlined above may be waived by the Government if move-in is from one "weed free area" to another "weed free area", as determined by the Government, or as conditions warrant.

- (7) E-1 In addition to the requirement set forth in Section 25 of this contract, the Purchaser shall not refuel equipment, store, or cause to have stored, any fuel or other petroleum products inside any riparian management or wet areas. All petroleum products shall be stored in durable containers and located so that any accidental releases will be contained and not drain into any stream system. Hydraulic fluid lines on heavy mechanized equipment would be in proper working condition in order to minimize potential for leakage into streams.

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SPECIAL PROVISIONS

- (8) E-1 In addition to the requirement set forth in Sec. 25 of this contract, the Purchaser shall prepare a Spill Prevention, Control, and Countermeasure Plan for all hazardous substances to be used in the contract area, as directed by the Authorized Officer. Such plan shall include identification of Purchaser's representatives responsible for supervising initial containment action for releases and subsequent cleanup. Such plans must comply with the State of Oregon DEQ OAR 340-142, Oil and Hazardous Materials Emergency Response Requirements.
- (9) E-3 If, in connection with operations under this contract, the Purchaser, their contractors, subcontractors, or the employees of any of them, discovers, encounters, or becomes aware of any objects or sites of cultural value on the contract area such as historical or prehistorical ruins, graves or grave markers, fossils, or artifacts, the Purchaser shall immediately suspend all operations in the vicinity of the cultural value and shall notify the Authorized Officer of the findings. Operations may resume at the discovery site upon receipt of written instructions and authorization by the Authorized Officer.
- (10) E-4 The Purchaser shall immediately discontinue specified construction or timber harvesting operations upon written notice from the Contracting Officer that:
- (a) threatened or endangered plants or animals protected under the Endangered Species Act of 1973, as amended, may be affected by the operation, and a determination is made that consultation or reinitiation of consultation is required concerning the species prior to continuing operation, or;
 - (b) when, in order to comply with the Endangered Species Act the Contracting Officer determines it may be necessary to modify or terminate the contract, or;
 - (c) federal proposed, federal candidate, Bureau sensitive or State listed species protected under BLM Manual 6840 - Special Status Species Management - have been identified, and a determination is made that continued operations would affect the species or its habitat, or;
 - (d) other active raptor nests have been discovered, and a determination is made that continued operations under this contract would adversely affect the present use of the discovered nesting area by the raptor, or;
 - (e) when, in order to comply with a court order which enjoins operations on the sale or otherwise requires the Bureau of Land Management to suspend operations, or;

DOUBLE RUM
SPECIAL PROVISIONS

- (f) when, in order to comply with a court order, the Contracting Officer determines it may be necessary to modify or terminate the contract, or;
- (g) species have been discovered which were identified for protection through survey and manage and/or protection buffer standards and guidelines established in the ROD and RMP, and the Contracting Officer determines that continued operations would affect the species or its habitat, or,
- (h) when, in order to protect species which were identified for protection through survey and manage and/or protection buffer standards and guidelines established in the ROD and RMP, the Contracting Officer determines it may be necessary to modify or terminate the contract.

Those operations necessary for a safe removal of personnel and equipment from the contract area and those directed by the Contracting Officer which are required in order to leave the contract area in an acceptable condition will be permitted. Discontinued operations may be resumed upon receipt of written instructions and authorization by the Contracting Officer.

During any period of suspension, the Purchaser may withdraw performance and payment bond coverage aside from that deemed necessary by the Authorized Officer to secure cut and/or removed timber for which the Bureau of Land Management has not received payment, and/or unfulfilled contract requirements associated with harvest operations that have already occurred and associated post-harvest requirements.

In the event of a suspension period or a combination of suspension periods that exceed a total of 30 days, the First Installment held on deposit may be temporarily reduced upon the written request of the purchaser. For the period of suspension extending beyond 30 days, the First Installment on deposit may be reduced to five (5) percent of the First Installment amount listed in Section 3.b. of the contract. Any First Installment amount temporarily reduced may be refunded or transferred to another BLM contract at the request of the Purchaser. However, if the Purchaser has outstanding debt owing the United State, the Contracting Officer must first apply the amount of First Installment that could be refunded to the debt owed in accordance with the Debt Collection Improvement Act, as amended (31 USC 3710, *et seq.*) Upon Purchaser's receipt of a bill for collection and written notice from the Contracting Officer lifting the suspension, the Purchaser shall restore the First Installment to the full amount shown in Section 3.b. of the contract within 15 days after the bill for

DOUBLE RUM
SPECIAL PROVISIONS

collection is issued, subject to Section 3.h. of the contract. The Purchaser shall not resume contract operations until the First Installment amount is fully restored.

In the event of a suspension period or a combination of suspension periods that exceed a total of 30 days, the unamortized Out-of-Pocket Expenses for road or other construction required pursuant to Exhibit C of the contract shall be refunded or transferred to another BLM contract at the request of the Purchaser. Upon written notice from the Contracting Officer lifting the suspension, the Purchaser shall reimburse the Government the amounts refunded or transferred. The Purchaser may choose to pay this reimbursement at once or in installments payable at the same time as payments are due for the timber under the contract and in amounts approximately equal to the expenses associated with the timber for which payment is due.

In the event that operating time is lost as a result of the incorporation of additional contract requirements, or delays due to Endangered Species Act consultation with the U.S. Fish and Wildlife Service or U.S. National Marine Fisheries Service, or court-ordered injunctions, the Purchaser agrees that an extension of time, without reappraisal, will constitute a full and complete remedy for any claim that delays due to the suspension hindered performance of the contract or resulted in damages of any kind to the Purchaser.

The Contracting Officer may determine that it is necessary to terminate the cutting and removal rights under the contract in order to comply with the Endangered Species Act, protect species that have been discovered which were identified for protection through survey and manage and/or protection buffer standards and guidelines established in the ROD and RMP, or comply with a court order. Following the issuance of a written notice that cutting and removal rights will be terminated, the Purchaser will be permitted to remove timber cut under the contract, if allowed by the Endangered Species Act, survey and manage and/or protection buffer standards and guidelines established in the ROD and RMP, or court order requirements necessitating the modification or termination.

In the event cutting and removal rights are terminated under this subsection, the Purchaser agrees that the liability of the United States shall be limited to the actual costs incurred by the Purchaser which have not been amortized by timber removed from the contract area. This calculation of liability shall utilize actual Purchaser costs and Government estimates of timber volumes. At the Authorized Officer's request, the Purchaser agrees to provide documentation of the actual costs incurred in the performance of the contract. In addition, the Purchaser shall be released from the obligation to pay the contract price for any timber which is not authorized to be removed from the contract area.

DOUBLE RUM
SPECIAL PROVISIONS

The Purchaser specifically and expressly waives any right to claim damages, other than those described in the preceding paragraphs, based on an alleged breach of any duty to the Purchaser, whether express or implied, in regard to the manner in which the Government defended the litigation which resulted in the court order affecting the operation of the contract. This waiver also extends to any claims based on effects on the operation of the contract that arise from litigation against another agency. Furthermore, the Purchaser specifically acknowledges and agrees that a court ruling that the Government violated the Administrative Procedures Act cannot be interpreted, in itself, to mean that the Government had not acted reasonably in regard to its duties to the Purchaser under this contract.

- (11) E-5A In order to control the spread of Port-Orford cedar root disease, the Purchaser shall conduct all operations involving the transportation and use of equipment and vehicles in strict accordance with the requirements shown on Exhibit P which is attached hereto and made part hereof.
- (12) E-6 The Purchaser shall notify the Authorized Officer in writing by February 1 of each calendar year in which operations are expected to take place on the contract area as limited in Section 41(L-18a) of the contract, between March 1 and September 30, both days inclusive. If notification is not received by the Authorized Officer by February 1, felling, bucking, yarding, road construction, or any other activity with the potential to disturb nesting owls may not be allowed during this time period.

Upon receipt of a notice that the Purchaser expects to perform such operations during this time period, the Government will conduct surveys to determine whether spotted owls are nesting within 0.25 miles of the harvest units. If it is determined that spotted owls are not nesting or that no young have been produced, the Authorized Officer may lift the seasonal restriction on such operations in writing. Without this written approval, such operations are prohibited from March 1 through September 30 of each year.

(E) Miscellaneous

- (1) M-2 The Government, at its option, may administratively check scale any portion of the timber removed from the contract area, and if necessary, conduct check scaling of independent scalers contracted to BLM for administrative check scaling purposes.

DOUBLE RUM
SPECIAL PROVISIONS

The Purchaser hereby agrees to make such contract timber available for such scaling at a location or locations to be approved in writing by the Authorized Officer. At the approved location or locations, the Purchaser shall provide an area for logs to be safely rolled out for scaling, to unload logs from trucks, place logs in a manner so that both ends and three faces of each log are visible for scaling, and to reload or remove logs after scaling has been completed. In the event that BLM elects to administratively check scale and if such check scaling causes a delay in log transportation time, an adjustment will be made to the purchase price as follows: If the entire sale is check scaled, the purchase price of this contract shall be reduced by four hundred thirty two and 75/100 dollars (\$432.75). In the event that only a portion of the contract timber is scaled, the purchase price shall be reduced by that portion of four hundred thirty two and 75/100 dollars (\$432.75) which is equal to the percentage of timber sold which was actually scaled by the Government. For purposes of computing this price reduction, the percentage of timber sold which has been scaled shall be determined by the Government. Any reduction in purchase price under the terms of this provision shall be full compensation to the Purchaser for any expense or loss incurred as a result of such scaling. Scaling shall be conducted in accordance with the National Cubic Scaling Rules by BLM scalers, and/or independent scalers contracted to BLM. A copy of the scale report will be made available to the Purchaser upon request.

(F) Fire Prevention and Control

- (1) F-1a Fire Prevention and Control. Primarily for purposes of fire prevention and control, the Purchaser shall comply with the following provisions:
 - (a) Prior to the operation of power driven equipment in construction or logging operations under this contract during the closed fire season or periods of fire danger, prepare a fire prevention and control plan to the satisfaction of the State of Oregon, Department of Forestry.
 - (b) Provide and maintain in good repair, on the contract area, the following equipment for use during closed fire season or periods of fire danger:
 - (1) F-2a Fire fighting tools shall be kept at each landing or at such other place as the Authorized Officer shall designate whenever people are working on the contract area. All fire fighting tools shall be kept in a sturdily constructed box which shall be painted red and lettered on the front or top in large letters, "For Fire Only."

DOUBLE RUM
SPECIAL PROVISIONS

The box shall have a hinged lid and a hasp by which the lid can be sealed. One box may serve two landings not over six hundred (600) feet apart. When filled, the box shall not weigh over two hundred (200) pounds. The fire tools shall be in good condition, be tight on strong handles, and have sharp cutting edges. There shall not be less than four (4) tools in each box nor less than one (1) tool for each person working on the contract area. Three-fourths (¾) of all fire tools shall be shovels, hazel hoes, or other scraping tools. The fire tools shall be used only for fighting fire.

- (2) F-2b A round pointed size "0" or larger shovel in good condition, shall be within fifty (50) feet of any power saw when in operation
- (3) F-2c At each landing during periods of operation one (1) tank truck. Each truck shall have three hundred (300) gallons minimum capacity with five hundred (500) feet minimum of hose and a nozzle acceptable to the Authorized Officer and a mounted or portable pump conforming to the standards set forth in Oregon Revised Statute (ORS) 477.645 through ORS 477.670 and any rule promulgated pursuant to those statutes. All hose couplings shall have the standard thread adopted by the State Fire Marshall pursuant to ORS 476.410 as amended or be provided with suitable adapters. At the close of each working day, all bulldozers and tank trucks shall be filled with fuel and made ready for immediate use. All tank trucks and portable tanks shall be filled with water and made available for immediate use.
- (4) F-2d Serviceable radio or radio-telephone equipment able to provide prompt and reliable communication between the contract area and Grants Pass, Oregon. Such communication shall be available during periods of operation including the time watch-service is required.
- (5) F-2e A pair of headlights capable of being quickly attached to each bulldozer used on the contract area. The headlights shall be adequate to provide illumination sufficient to allow use of the bulldozers for fire fighting and construction of fire trails at night.
- (6) F-2f A headlight for each person in the woods crew adequate to provide sufficient illumination for night fire fighting. A headlight shall be of the type that can be fastened to the head so as to allow independent use of the hands. It shall be equipped with a battery case so designed that it can be either carried in the hip pocket or fastened

DOUBLE RUM
SPECIAL PROVISIONS

to the belt. The head of the light and the battery case shall be connected by insulated wires. At least one extra set of batteries shall be provided for each such headlight.

- (7) F-2g Two (2) back-pack pumps at each landing and one (1) at each tail block, all to be kept full of water and in good operating condition.

F-2h A chemical fire extinguisher of at least eight (8) ounces minimum capacity of a type approved by the Oregon State Forester shall be carried during the closed fire season or periods of fire danger by each saw operator using a power saw on the contract area. Such fire extinguisher shall be filled and in effective operating condition and shall at all times be immediately available to the operator when the saw is being fueled or the motor of the saw is running. A size "0" or larger shovel shall be available with each gas can when refueling. Any fueling of a power saw shall be done in an area which has first been cleared of all flammable material. Power saws shall be moved at least twenty (20) feet from the place of fueling before the engine is started. Each power saw shall be equipped with an exhaust system and a spark arresting device which are of types approved by the Oregon State Forester.

(G) Slash Disposal and Site Preparation

- (1) SD-1 Fire Hazard Reduction. In addition to the requirements of Sec. 15 of this contract, and notwithstanding the Purchasers satisfactory compliance with State laws and regulations regarding offsetting or abating the additional fire hazard created by this operation and the States willingness to release the Purchaser from liability for such hazard, the Purchaser shall remain responsible to the Government for performance of the following hazard reduction measure(s) required by this contract:
- (a) SD-1a LOP AND SCATTER Lop and scatter all slash over the entire cutting area within all units as shown on Exhibit A concurrently with the normal felling operation. All top and side branches must be cut free of the central stem so that such stem is reduced to the extent that it is within twelve (12) inches of the ground at all points.
- (b) SD-1i LANDING PILES Pile all slash located within fifty (50) feet on each side of log landing. Slash shall be piled by hand or machine. Finished piles

DOUBLE RUM
SPECIAL PROVISIONS

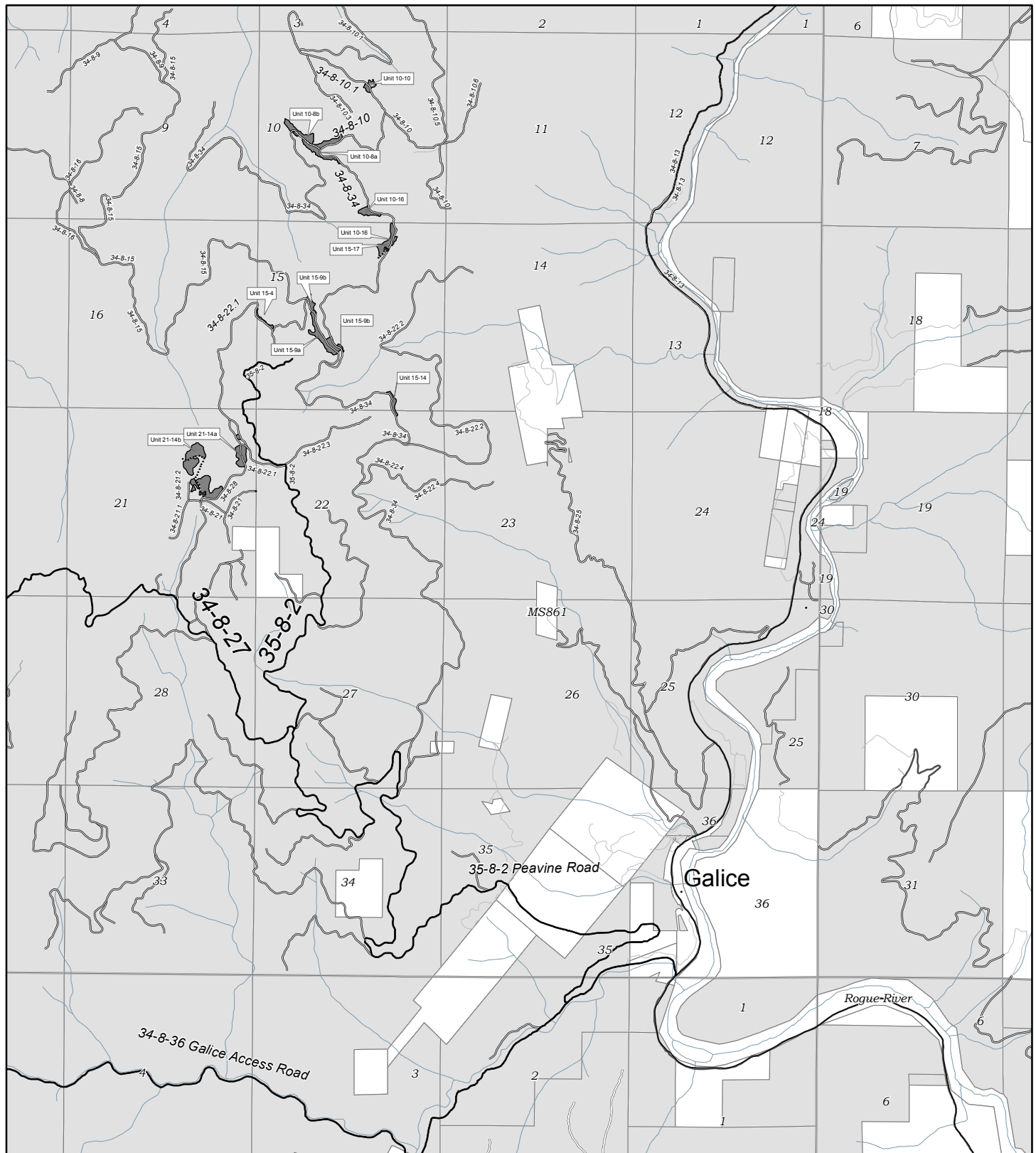
shall be tight and free of earth and located away from reserve trees adjacent to landing.

- (1) A ten (10) foot by ten (10) foot cover of four (4) mil. black plastic material shall cap each tractor pile to maintain a dry ignition point. The cover shall be firmly fixed to each pile to hold it in place. Landings shall be piled and covered during the same season that they are logged.

(H) Equal Opportunity in Employment

Certification of Nonsegregated Facilities attached hereto and made a part hereof.

TIMBER SALE LOCATION MAP
CONTRACT NUMBER TS 11-03



**NATIONAL
SYSTEM OF
PUBLIC LANDS**

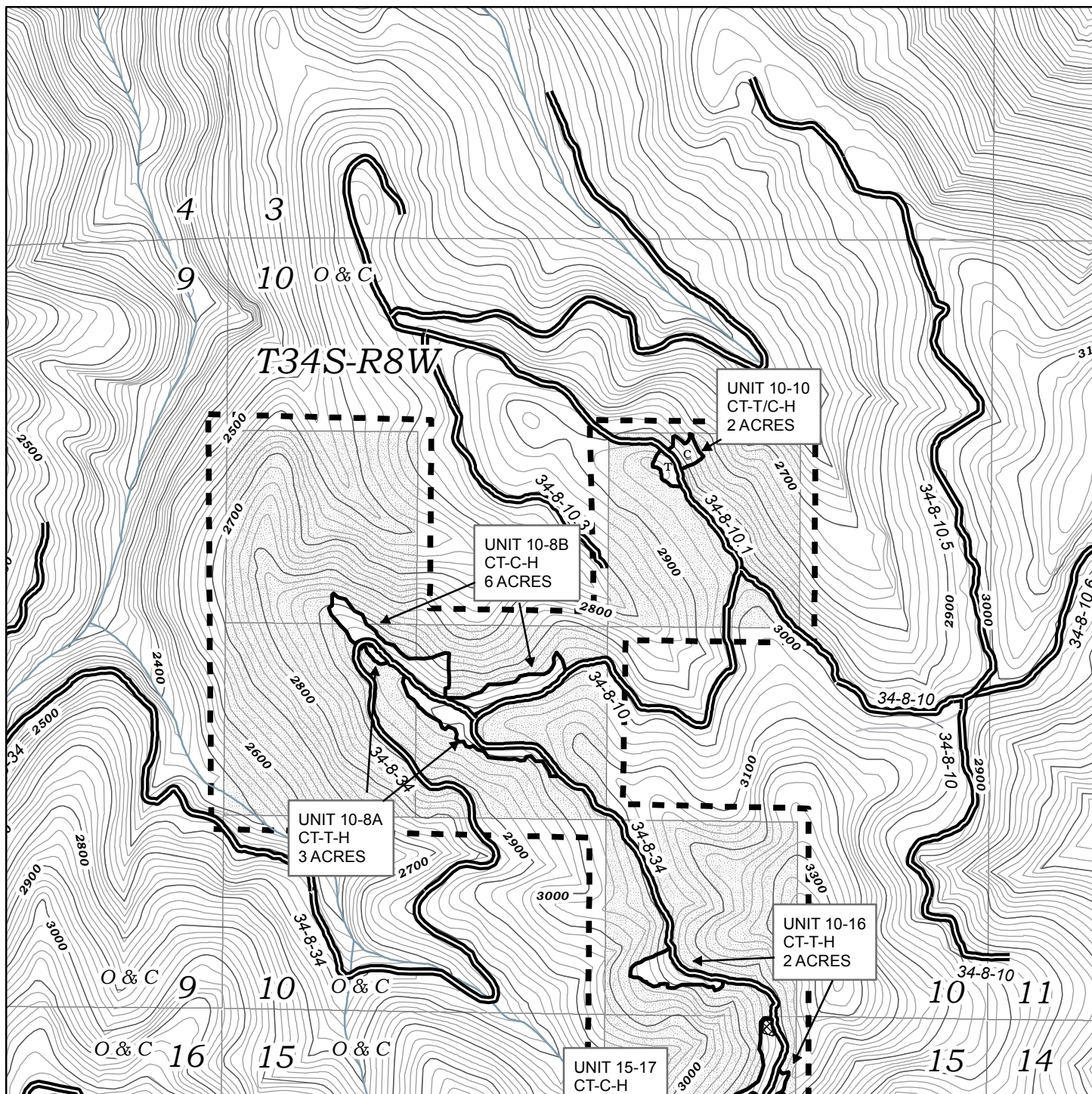
No warranty is made by the Bureau of Land Management as to the accuracy, reliability, or completeness of these data for individual or aggregate use with other data.



6/9/2011 JS

USDI BLM MEDFORD DISTRICT SALE
DOUBLE RUM TIMBER SALE
T.34S., R.8W., SECTION 10
GRANTS PASS RESOURCE AREA

TIMBER SALE CONTRACT MAP
CONTRACT NUMBER TS 11-03
EXHIBIT A
PAGE1 OF 5



United States
Department of the Interior
Bureau of Land Management
Medford District
Grants Pass Resource Area
Grants Pass Interagency Office
2164 NE Spalding Avenue
Grants Pass, Oregon 97526



0 500 1,000 2,000 Feet

One Inch Equals Approximately 1000 Feet

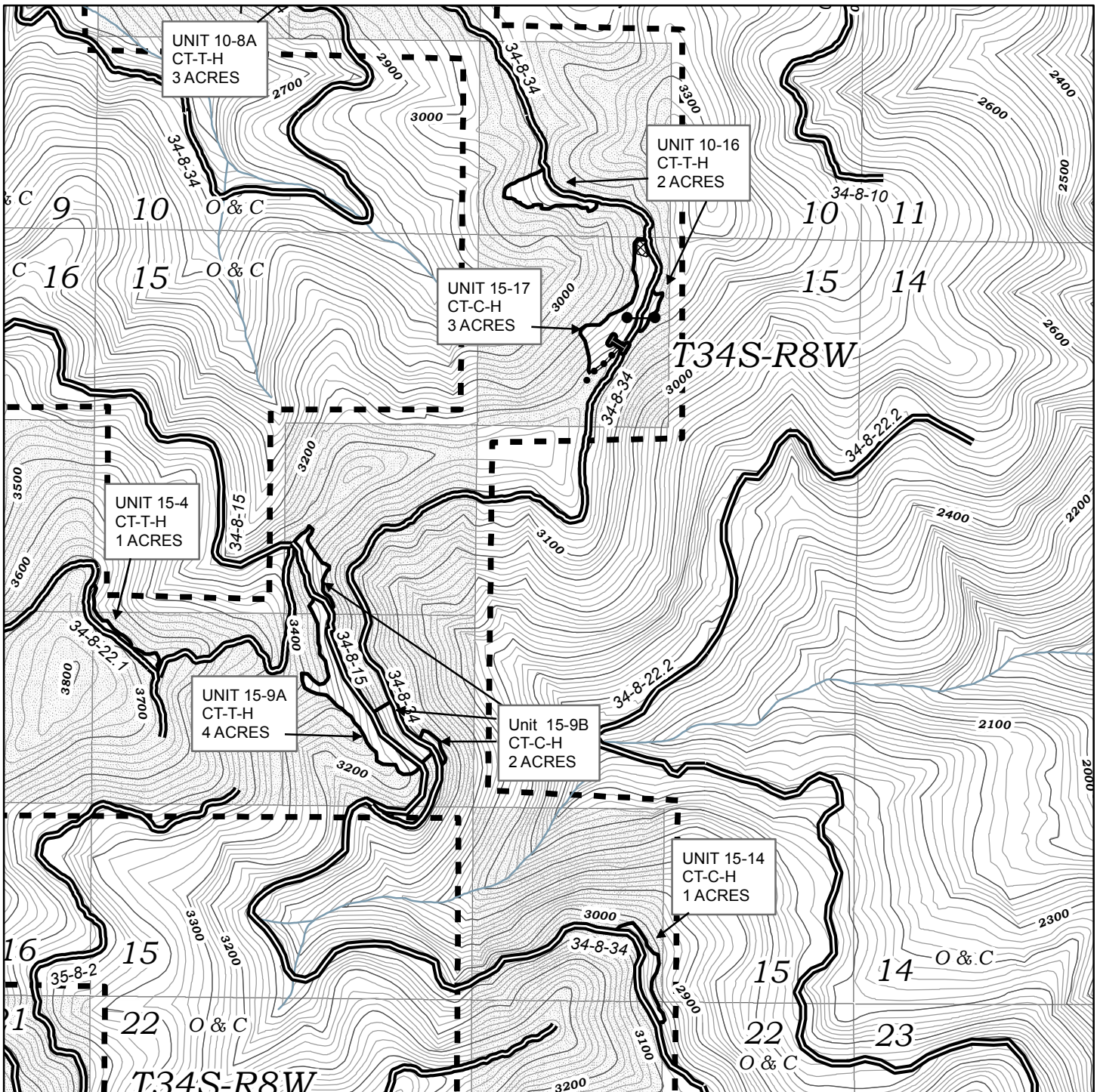


No warranty is made by the Bureau of Land Management as to the accuracy, reliability, or completeness of these data for individual or aggregate use with other data

June 22, 2011

USDI BLM MEDFORD DISTRICT SALE
 DOUBLE RUM TIMBER SALE
 T.34S., R.8W., SECTION 15, 16 AND 22
 GRANTS PASS RESOURCE AREA

TIMBER SALE CONTRACT MAP
 CONTRACT NUMBER TS 11-03
 EXHIBIT A
 PAGE 2 OF 5



United States
 Department of the Interior
 Bureau of Land Management
 Medford District
 Grants Pass Resource Area
 Grants Pass Interagency Office
 2164 NE Spalding Avenue
 Grants Pass, Oregon 97526



0 500 1,000 2,000 Feet

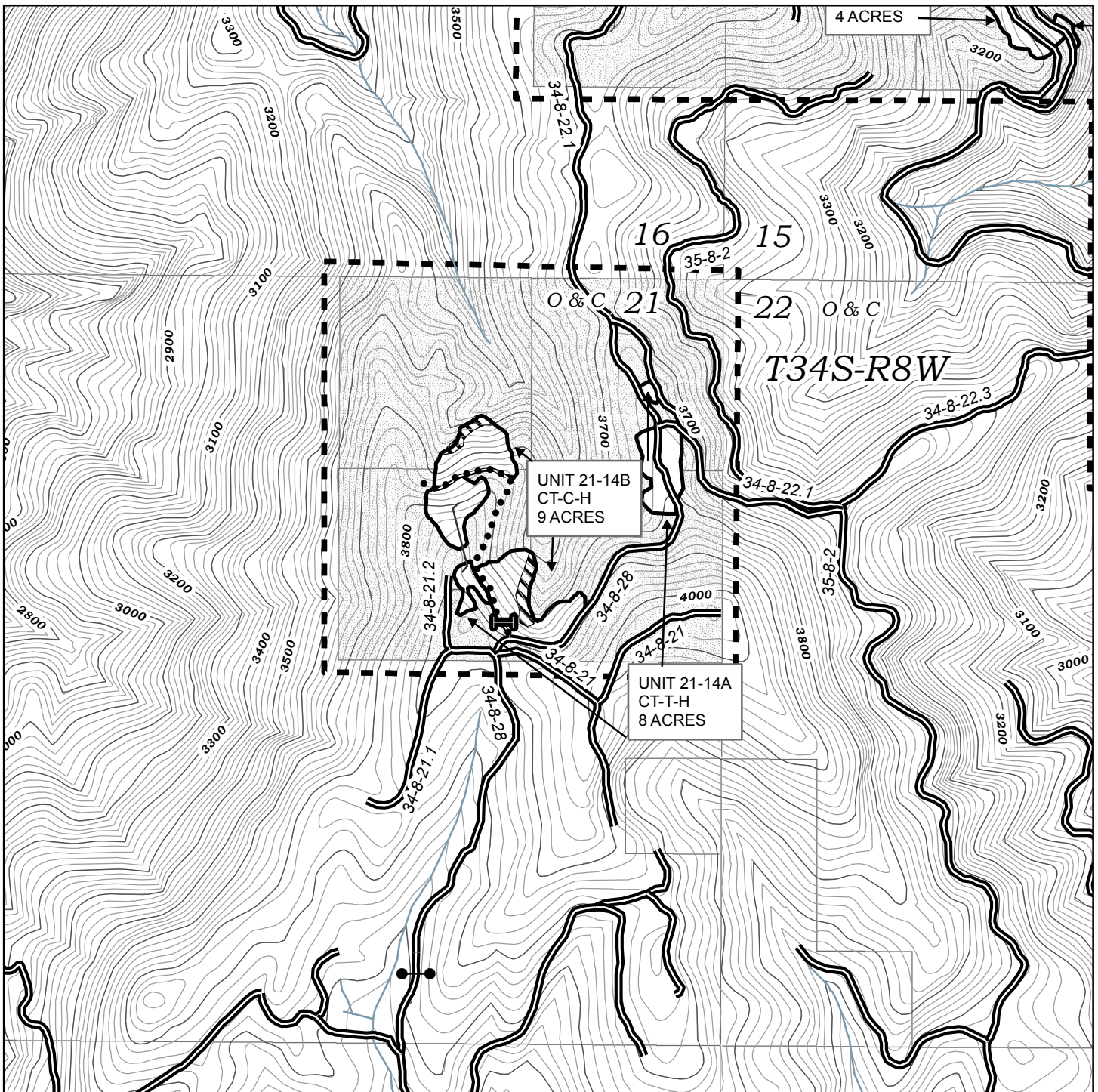
One Inch Equals Approximately 1000 Feet

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June 22, 2011

USDI BLM MEDFORD DISTRICT SALE
DOUBLE RUM TIMBER SALE
T.34S., R.8W., SECTION 21
GRANTS PASS RESOURCE AREA

TIMBER SALE CONTRACT MAP
CONTRACT NUMBER TS 11-03
EXHIBIT A
PAGE 3 OF 5



United States
Department of the Interior
Bureau of Land Management
Medford District
Grants Pass Resource Area
Grants Pass Interagency Office
2164 NE Spalding Avenue
Grants Pass, Oregon 97526




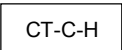
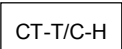

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
0 500 1,000 2,000 Feet

One Inch Equals Approximately 1000 Feet

June 22, 2011

Legend

		Acres
	Commercial Thin Area- Tractor Yard, Harvest Trees are Blue Marked (Unit 10-8A,10-16,15-4,15-9A, 21-14A)	17
	Commercial Thin Area- Cable Yard-Harvest Trees are Blue Marked (Unit 10-8B,15-9B,15-14, 15-17,21-14B)	22
	Commercial Thin Area- Tractor and Cable Yard-Harvest Trees are Blue Marked (Unit 10-10)	2
	Reserve Area	639
	Total Contract Area	680

 Road

 20 Foot Contour Interval


 Earth and Log Barricade to be installed


C Approximate cable yarding area for T/C unit

T Approximate tractor yarding area for T/C unit


 Existing Operator Spur to Reconstruct (block after use)

 Existing Gate

 Boundary of the Contract Area

 Boundary of the Cutting Area

 Reserve Area

 Riparian Area with Trees Marked

 Administrative Withdrawal, No Trees Marked

 Intermittent Stream

O&C BLM lands that are Oregon & California Revested Lands

Unit Number	Prescription- Logging Method- Marking Method	Unit Cutting Acres
Unit 10-8A	CT-T-H	3
Unit 10-8B	CT-C-H	6
Unit 10-10	CT-T/C-H	2
Unit 10-16	CT-T-H	2
Unit 15-4	CT-T-H	1
Unit 15-9A	CT-T-H	4
Unit 15-9B	CT-C-H	2
Unit 15-14	CT-C-H	1
Unit 15-17	CT-C-H	3
Unit 21-14A	CT-T-H	8
Unit 21-14B	CT-C-H	9
Total		41

Approximate Yarding System Breakdown		Acres
Cable		22
Tractor		19
Total		41

Unit acreages were determined by the Global Positioning System (GPS).
 Unit boundaries are flagged in orange ribbon and posted with signs.



United States of America
Department of the Interior
Bureau Of Land Management
Timber Sale Appraisal

District : Medford	Contract # : TS-11-03
Sale Name : Double Rum	Job File # : M11265
Sale Date : 08/25/2011	Master Unit : Josephine
Appraisal Method : 16' MBF	Planning Unit : Grants Pass

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**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
Timber - Sale - Summary**

Medford
Double Rum
TS-11-03

Legal Description

Forest Type	Township	Range	Section	Subdivision
O&C	34S	8W	10	SW¼NE¼, SW¼NW¼, N½SW¼, SW¼SE¼
O&C	34S	8W	15	NW¼NE¼, SE¼NW¼, N½SW¼, SW¼SE¼
O&C	34S	8W	16	SE¼NE¼, NE¼SE¼
O&C	34S	8W	21	NE¼
O&C	34S	8W	22	NW¼NE¼

Cutting Volume (16' MBF)

Unit	DF	WF	PP						Total	Regen	Partial	ROW
10-10	16								16	0	2	0
10-16	33	2							35	0	2	0
10-8A	28		6						34	0	3	0
10-8B	64	2	4						70	0	6	0
15-14	24								24	0	1	0
15-17	48	3							51	0	3	0
15-4	11	9							20	0	1	0
15-9A	51	1							52	0	4	0
15-9B	34	2							36	0	2	0
21-14A	88	11							99	0	8	0
21-14B	136	4							140	0	9	0
Totals	533	34	10						577	0	41	0

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

Medford
Double Rum
TS-11-03

Logging Costs per 16' MBF

Stump to Truck	\$	167.69
Transportation	\$	55.33
Road Construction	\$	18.29
Road Amortization	\$	0.00
Road Maintenance	\$	10.60

Other Allowances :

Fuels Treatment	\$ 1.99
Other Costs	\$ 7.75
Total Other Allowances :	\$ 9.74

Total Logging Costs per 16' MBF

\$ 261.64

Utilization Centers

Center #1 : Glendale	40 Miles
Center #2	0 Miles
Weighted distance to Utilization Centers	40

Length of Contract

Cutting and Removal Time	36 Months
Personal Property Removal Time	1 Months

Profit & Risk

Total Profit & Risk	8 %
Basic Profit & Risk	7 % + Additional Risk 1 %
Back Off	0 %

Tract Features

Avg Log	Douglas-fir : 44 bf	All : 44 bf
Recovery	Douglas-fir : 96 %	All : 96 %
Salvage	Douglas-fir : 1 %	All : 1 %
Avg Volume (16' MBF per Acre)		14
Avg Yarding Slope		35 %
Avg Yarding Distance (feet)		220
Avg Age		50
Volume Cable		57 %
Volume Ground		43 %
Volume Aerial		0 %
Road Construction Stations		0.00
Road Improvement Stations		0.00
Road Renovation Stations		539.08
Road Decommission Stations		0.00

Cruise

Cruised By	Dowding,Caulfield,Franks
Date	06/01/2011
Type of Cruise	3P, 100%
County, State	Josephine, OR

Net Volume

Green (16' MBF)	571
Salvage (16' MBF)	6
Douglas-fir Peeler	0
Export Volume	0
Scaling Allowance (\$0.75 per 16' MBF)	\$432.75

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Medford
Double Rum
TS-11-03

Stumpage Summary

Stumpage Computation (16' MBF)

Species	Trees	Net Volume	Pond Value	(-) Profit & Risk	(-) Logging Cost	(+) Marginal Log Value	(-) Back Off	Appraised Price	Appraised Value
DF	3,498	533	\$ 411.87	\$ 32.95	\$ 261.64			\$ 117.30	\$ 62,520.90
WF	262	34	\$ 309.10	\$ 24.73	\$ 261.64			\$ 30.90	\$ 1,050.60
PP	81	10	\$ 281.04	\$ 22.48	\$ 261.64			\$ 28.10	\$ 281.00
Totals	3,841	577							\$ 63,852.50

Log Code by Percent

Species	Code #1	Code #2	Code #3	Code #4	Code #5	Code #6
Douglas-fir				37.0	56.0	7.0
White Fir				31.0	60.0	9.0
Ponderosa Pine				36.0	54.0	10.0

Marginal Log Volume

Species	Grade #7	Grade #8
Douglas-fir		
White Fir		
Ponderosa Pine		

Appraised By : Caulfield, Dave

Date : 06/16/2011

Area Approval By : Franks, Annie

Date : 07/05/2011

District Approval By :

Date :

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

Medford
Double Rum
TS-11-03

Prospectus

Appraisal Method : (16' MBF)

Species	Trees	Net Volume 16' MBF	Net Volume 32' MBF	Net Volume CCF
Douglas-fir	3,498	533	429	1,041
White Fir	262	34	27	67
Ponderosa Pine	81	10	8	19
Total	3,841	577	464	1,127

All Species

Gross Volume	Number Trees	Avg bf Volume Per Tree	DBH	Gross Merch Volume	Merch Logs	Avg bf Gross Merch Log
602	3,841	156	14.4	596	13,439	44

Merch Logs	Cull Logs	Total Logs	Logs per Tree	Net Volume	Gross Volume	Recovery
13,439	179	13,618	3	577	602	96 %

Douglas-fir

Gross Volume	Number Trees	Avg bf Volume Per Tree	DBH	Gross Merch Volume	Merch Logs	Avg bf Gross Merch Log
555	3,498	158	14.5	552	12,419	44

Merch Logs	Cull Logs	Total Logs	Logs per Tree	Net Volume	Gross Volume	Recovery
12,419	130	12,549	3	533	555	96 %

Cutting Areas

Unit	Regen Acres	Partial Cut Acres	Right Of Way Acres	Total Acres
10-10		2		2
10-16		2		2
10-8A		3		3
10-8B		6		6
15-14		1		1
15-17		3		3
15-4		1		1
15-9A		4		4
15-9B		2		2
21-14A		8		8
21-14B		9		9
Totals :		41		41

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

Medford
Double Run
TS-11-03

Exhibit B

The following estimates and calculations of timber sold are made solely as an administrative aid for determining: (1) Adjustments made or credits given in accordance with Sections 6, 9, or 11; (2) When payments are due; and (3) Value of timber subject to any special bonding provisions. The value of timber will be determined by multiplying the value per acre as shown below, times the amount of acreage as determined by the authorized officer, which has been cut or removed or designated for taking.

Except provided in Section 2, Purchaser shall be liable for the total purchase price even though the quantity of timber actually cut or removed or designated for taking is less than the estimated volume or quantity shown. Cutting areas are shown on the Exhibit A.

Sale Totals (16' MBF)

Species	Net Volume	Bid Price	Sale SubTotal
Douglas-fir	533		
White Fir	34		
Ponderosa Pine	10		
Sale Totals	577		

Unit Details (16' MB)

Unit 10-10 2 Acres Value per Acre : \$0.00

Species	Net Volume	Bid Price	Species Value
Douglas-fir	16		
Unit Totals	16		

Unit 10-16 2 Acres Value per Acre : \$0.00

Species	Net Volume	Bid Price	Species Value
Douglas-fir	33		
White Fir	2		
Unit Totals	35		

Unit 10-8A 3 Acres Value per Acre : \$0.00

Species	Net Volume	Bid Price	Species Value
Douglas-fir	28		
Ponderosa Pine	6		
Unit Totals	34		

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

Medford
Double Rum
TS-11-03

Unit 10-8B 6 Acres Value per Acre : \$0.00

Species	Net Volume	Bid Price	Species Value
Douglas-fir	64		
Ponderosa Pine	4		
White Fir	2		
Unit Totals	70		

Unit 15-14 1 Acres Value per Acre : \$0.00

Species	Net Volume	Bid Price	Species Value
Douglas-fir	24		
Unit Totals	24		

Unit 15-17 3 Acres Value per Acre : \$0.00

Species	Net Volume	Bid Price	Species Value
Douglas-fir	48		
White Fir	3		
Unit Totals	51		

Unit 15-4 1 Acres Value per Acre : \$0.00

Species	Net Volume	Bid Price	Species Value
Douglas-fir	11		
White Fir	9		
Unit Totals	20		

Unit 15-9A 4 Acres Value per Acre : \$0.00

Species	Net Volume	Bid Price	Species Value
Douglas-fir	51		
White Fir	1		
Unit Totals	52		

Unit 15-9B 2 Acres Value per Acre : \$0.00

Species	Net Volume	Bid Price	Species Value
Douglas-fir	34		
White Fir	2		
Unit Totals	36		

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

Medford
Double Run
TS-11-03

Unit 21-14A 8 Acres Value per Acre : \$0.00

Species	Net Volume	Bid Price	Species Value
Douglas-fir	88		
White Fir	11		
Unit Totals	99		

Unit 21-14B 9 Acres Value per Acre : \$0.00

Species	Net Volume	Bid Price	Species Value
Douglas-fir	136		
White Fir	4		
Unit Totals	140		

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
Volume Summary**

Medford
Double Rum
TS-11-03

Sale Volume Totals

41 Acres 0 Regen 41 Partial 0 R/W 11 Units

SpeciesName	# of Trees	Merch Logs	Cull Logs	16' MBF Net	16' MBF GM	16' MBF Gross	32' MBF Net	32' MBF GM	32' MBF Gross	CCF Net	CCF GM	CCF Gross
Douglas-fir	3,498	12,419	130	533	552	555	429	443	447	1,041	1,078	1,085
White Fir	262	803	33	34	34	37	27	27	28	67	68	71
Ponderosa Pine	81	217	16	10	10	10	8	8	8	19	20	20
Totals	3,841	13,439	179	577	596	602	464	478	483	1,127	1,166	1,176

Unit Totals

Unit : 10-10 2 Acres 0 Regen 2 Partial 0 R/W

SpeciesName	# of Trees	Merch Logs	Cull Logs	16' MBF Gross	16' MBF GM	16' MBF Net
Douglas-fir	113	371	4	17	17	16
Unit Totals	113	371	4	17	17	16

Unit : 10-16 2 Acres 0 Regen 2 Partial 0 R/W

SpeciesName	# of Trees	Merch Logs	Cull Logs	16' MBF Gross	16' MBF GM	16' MBF Net
Douglas-fir	227	769	8	34	34	33
White Fir	11	35	2	2	2	2
Unit Totals	238	804	10	36	36	35

Unit : 10-8A 3 Acres 0 Regen 3 Partial 0 R/W

SpeciesName	# of Trees	Merch Logs	Cull Logs	16' MBF Gross	16' MBF GM	16' MBF Net
Douglas-fir	185	648	7	29	29	28
Ponderosa Pine	48	130	8	6	6	6
Unit Totals	233	778	15	35	35	34

Unit : 10-8B 6 Acres 0 Regen 6 Partial 0 R/W

SpeciesName	# of Trees	Merch Logs	Cull Logs	16' MBF Gross	16' MBF GM	16' MBF Net
Douglas-fir	423	1,487	16	67	66	64
Ponderosa Pine	33	87	8	4	4	4
White Fir	17	51		2	2	2
Unit Totals	473	1,625	24	73	72	70

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

Medford
Double Run
TS-11-03

Unit : 15-14 1 Acres 0 Regen 1 Partial 0 R/W

SpeciesName	# of Trees	Merch Logs	Cull Logs	16' MBF Gross	16' MBF GM	16' MBF Net
Douglas-fir	167	570	6	25	25	24
Unit Totals	167	570	6	25	25	24

Unit : 15-17 3 Acres 0 Regen 3 Partial 0 R/W

SpeciesName	# of Trees	Merch Logs	Cull Logs	16' MBF Gross	16' MBF GM	16' MBF Net
Douglas-fir	359	1,112	12	50	49	48
White Fir	25	82	4	3	3	3
Unit Totals	384	1,194	16	53	52	51

Unit : 15-4 1 Acres 0 Regen 1 Partial 0 R/W

SpeciesName	# of Trees	Merch Logs	Cull Logs	16' MBF Gross	16' MBF GM	16' MBF Net
Douglas-fir	78	258	3	11	11	11
White Fir	72	215	5	10	9	9
Unit Totals	150	473	8	21	20	20

Unit : 15-9A 4 Acres 0 Regen 4 Partial 0 R/W

SpeciesName	# of Trees	Merch Logs	Cull Logs	16' MBF Gross	16' MBF GM	16' MBF Net
Douglas-fir	335	1,185	12	53	53	51
White Fir	9	29	2	1	1	1
Unit Totals	344	1,214	14	54	54	52

Unit : 15-9B 2 Acres 0 Regen 2 Partial 0 R/W

SpeciesName	# of Trees	Merch Logs	Cull Logs	16' MBF Gross	16' MBF GM	16' MBF Net
Douglas-fir	196	791	8	35	35	34
White Fir	11	34	7	3	2	2
Unit Totals	207	825	15	38	37	36

Unit : 21-14A 8 Acres 0 Regen 8 Partial 0 R/W

SpeciesName	# of Trees	Merch Logs	Cull Logs	16' MBF Gross	16' MBF GM	16' MBF Net
Douglas-fir	563	2,051	21	92	91	88
White Fir	89	267	6	12	11	11
Unit Totals	652	2,318	27	104	102	99

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

Medford
Double Run
TS-11-03

Unit : 21-14B 9 Acres 0 Regen 9 Partial 0 R/W

SpeciesName	# of Trees	Merch Logs	Cull Logs	16' MBF Gross	16' MBF GM	16' MBF Net
Douglas-fir	852	3,177	33	142	142	136
White Fir	28	90	7	4	4	4
Unit Totals	880	3,267	40	146	146	140

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

Medford
Double Rum
TS-11-03

Stump to Truck Costs

Total (16' MBF)

Total Stump to Truck Costs	Net Volume	Cost / Net Volume
\$ 96,754.28	577	\$ 167.69

Detail

Yarding & Loading

Yarding System	Unit Of Measure	Units	Cost / Unit	Total Cost
Short Twr<40	GM MBF	340	\$ 195.53	\$ 66,480.20
Track Skidder	GM MBF	256	\$ 103.05	\$ 26,380.80
Subtotal				\$ 92,861.00

Other Costs

Explanation	Unit Of Measure	Units	Cost / Unit	Total Cost
Directional Falling	GM MBF	144	\$ 16.62	\$ 2,393.28
Subtotal				\$ 2,393.28

Additional Move-Ins

Equipment	# Move-In	Cost / Move In	Total Cost
Yarder / Loader	2	\$ 500.00	\$ 1,000.00
Dozer	1	\$ 500.00	\$ 500.00
Subtotal			\$ 1,500.00

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

Medford
Double Rum
TS-11-03

Other Allowances Costs

Total (16' MBF)

Total Other Allowances Costs	Net Volume	Cost / Net Volume *	Total Buy Out Cost
\$5,619.00	577	\$9.74	\$0.00

Fuels Treatment

Detail (16' MBF)

Cost Item	Total Cost	Cost / Net Vol *	Buy Out	Buy Out Cost
Lop and Scatter-Lvl 1	\$ 1,148.00	\$ 1.99	N	\$ 0.00
Subtotal	\$ 1,148.00	\$ 1.99		\$ 0.00

Other Costs

Detail (16' MBF)

Cost Item	Total Cost	Cost / Net Vol *	Buy Out	Buy Out Cost
Skid Location	\$ 128.00	\$ 0.22	N	\$ 0.00
Skid Construction	\$ 300.00	\$ 0.52	N	\$ 0.00
Waterbar Skids	\$ 675.00	\$ 1.17	N	\$ 0.00
Landing Clean up	\$ 825.00	\$ 1.43	N	\$ 0.00
Landing Construction	\$ 825.00	\$ 1.43	N	\$ 0.00
Stream and Culvert Cleaning	\$ 128.00	\$ 0.22	N	\$ 0.00
Hand Seeding @ 17 lb seed per hour	\$ 83.00	\$ 0.14	N	\$ 0.00
Mulching (2 hours/5 bales)	\$ 104.00	\$ 0.18	N	\$ 0.00
Barricades	\$ 300.00	\$ 0.52	N	\$ 0.00
Ripping	\$ 450.00	\$ 0.78	N	\$ 0.00
Equipment Washing	\$ 128.00	\$ 0.22	N	\$ 0.00
Temporary Spur Construction	\$ 525.00	\$ 0.91	N	\$ 0.00
Subtotal	\$ 4,471.00	\$ 7.75		\$ 0.00

* Cost / Net Volume has been rounded to the nearest \$0.01 Subtotals may not tie to Sale Total Cost / Net Volume.

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
Consolidated Comments**

Medford
Double Rum
TS-11-03

General

June 2011 pricing.

Yarding & Loading

Road Costs

Construction cost = Renovation cost

(see Engineering Appraisal for details).

Transportation

(see Transportation appendix for details).

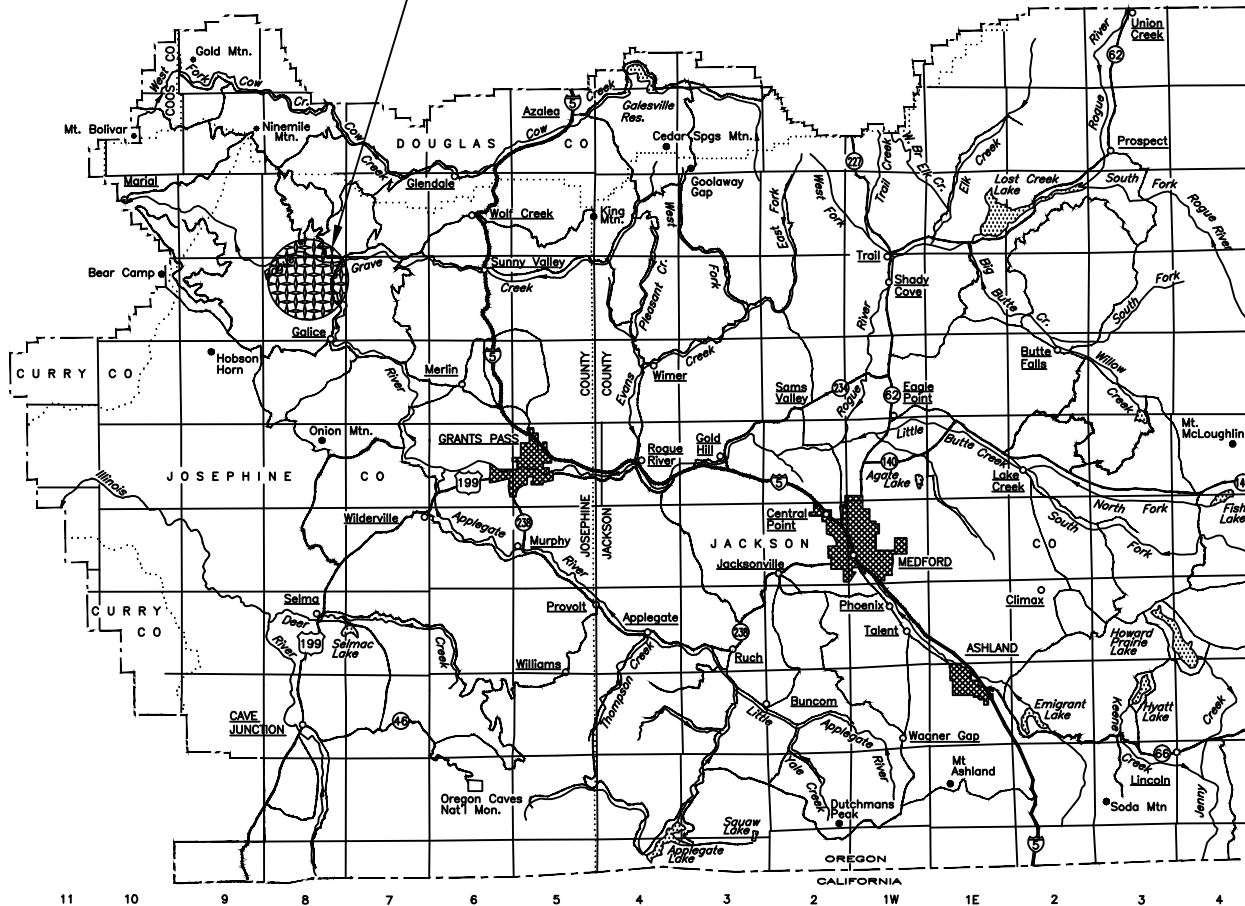
Other Allowances

Prospectus

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
MEDFORD DISTRICT

DOUBLE RUM TIMBER SALE
TRACT NO. 11-03

EXHIBIT C 1
SHEET 1 OF 1



C-1	Title Sheet
C-2	Exhibit C Road Location Map
C-3	Estimate of Quantities
C-4	Specification Sheet
C-5	Culvert Band Details
C-6	Culvert Installation Details
C-7	Drainage & Erosion Control Installation
C-8	Roadside Brushing Detail
C-9	Renovation Work List
C-10	Specification Section
D-1	Road Maintenance Specifications
D-2	Exhibit D Map

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
MEDFORD DISTRICT - MEDFORD, OREGON

TITLE SHEET

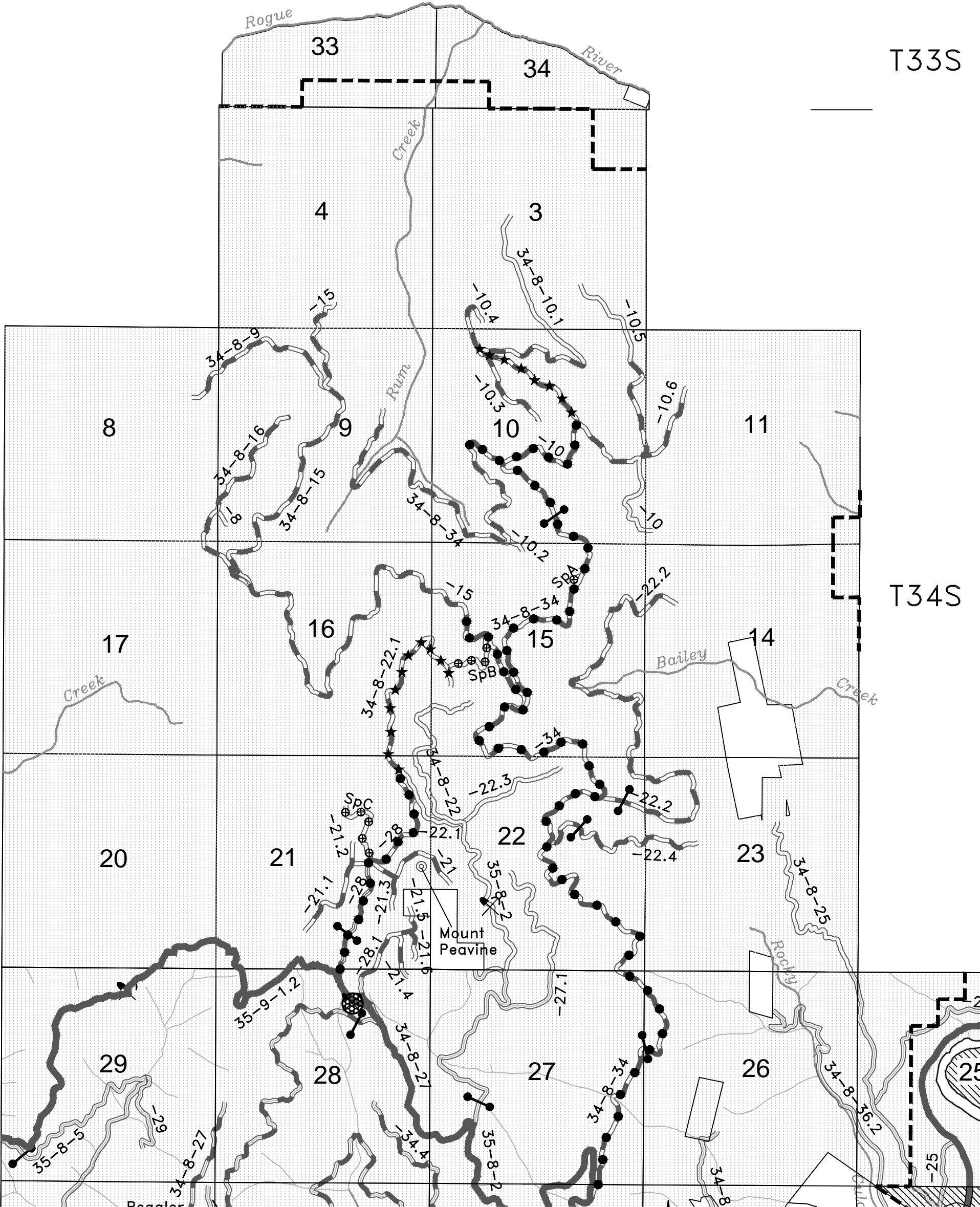
DESIGNED _____
REVIEWED _____
APPROVED _____
DRAWN JWR SCALE AS SHOWN
DATE August 2006 SHEET 1 OF 1
DRAWING NO. OR-117-06-28-C1

DOUBLE RUM TIMBER SALE
R8W

EXHIBIT C 2
SHEET 1 OF 1

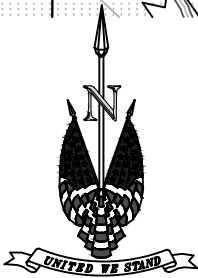
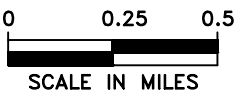
T33S

T34S



LEGEND

- Road To Be Brushed and Drainage Improved
- ★ Road To Be Brushed Only
- Existing Gate
- Rock Surface Road
- Natural Surface Road
- Paved Road
- Watershed Boundary
- Peavine Quarry
- BLM Lands



Township 34 South, Range 8 West

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT MEDFORD DISTRICT MEDFORD, OREGON	
EXHIBIT C ROAD LOCATION MAP	
DESIGNED	_____
REVIEWED	_____
APPROVED	_____
DRAWN: JWR	SCALE: AS SHOWN
DATE: August 2006	SHEET 1 OF 1
DRAWING NO. OR-117-06-28-C2	

EXHIBIT C 3
SHEET 1 *OF* 1

ROAD NUMBER	FROM	TO	LENGTH	CLEARING AND GRUBBING	EXCAVATION		CORRUGATED METAL PIPE								RENOVATION	AGGREGATE				**		ROADSIDE BRUSHING	OBLITERATION
					ROCK	COMMON	SIZE			ELBOWS	DOWNSPOUT					SCREENED ROCK	CRUSHED BASE	CRUSHED SURFACE		BERM	BARRICADE		
							12"	18"	24"		FULL/HALF ROUND		RECT. FLUME										
SPECIFICATION NO. —————→				200	300	300	400	400	400	400	400	400	400	400	500	900	1000	1200			2100	8000	
UNIT →	MP/STA	MP/STA	MILE/STA	ACRE	C.Y.	C.Y.	L.F.	L.F.	L.F.	EA.	L.F.	L.F.	L.F.	L.F.	MILE	C.Y.	C.Y.	C.Y.		EA	MILE	STA.	
34-8-10	0.00	0.56	0.56												0.56	○	○	○			0.56		
34-8-10.1	0.00	0.60	0.60													○	○	○			0.60		
34-8-15	0.00	0.44	0.44												0.44	○	○	○			0.44		
34-8-22.1	0.00	1.09	1.09													○	○	○			1.09		
34-8-28	0.33	1.38	1.05												1.05	○	○	○			1.05		
34-8-34	0.00	6.14	6.14					80							6.14	○	○	10 ^①			6.14		
																○	○	○					
																○	○	○					
																○	○	○					

* *FOR INFORMATIONAL USE ONLY,
QUANTITIES SHOWN ARE NOT PAY ITEMS.*

ITEM 1200
SIZE GRADE
1 inch minus D

**Indicate gradation in circle. ○

REV. NO.	DESCRIPTION	DATE	APPROV.
UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT MEDFORD DISTRICT - MEDFORD, OREGON			
<i>ESTIMATE OF QUANTITIES*</i>			
DESIGNED _____			
REVIEWED _____			
APPROVED _____			
DRAWN DCM		SCALE NONE	
DATE August 2006		SHEET 1 OF 1	
DRAWING NO.		OR-117-06-28-C3	

EXHIBIT C 4
SHEET 1 OF 1

[illegible]

TYPICAL SURFACING SECTION

A cross-sectional diagram of a road grading. It shows a horizontal subgrade with a 3% downward slope indicated by an arrow and the text '3 %'. The width of the subgrade is labeled 'SUBGRADE WIDTH'. On the left, the slope is labeled 'CUT SLOPE' with an arrow pointing to the slope line. On the right, the slope is labeled 'FILL SLOPE' with an arrow pointing to the slope line. The entire diagram is captioned 'TYPICAL GRADING SECTION'.

A plan view diagram of a typical turnout. It shows a horizontal track with a centerline labeled 'C'. A turnout branches off to the left. The turnout consists of three sections: a 25' MIN. TAPER, a 50' TURNOUT, and another 25' MIN. TAPER. The total width of the turnout is 10'-0" on both sides of the centerline. The diagram is labeled 'TYPICAL TURNOUT' at the bottom.

The diagram illustrates a cross-section of a road surfacing. It shows a sloped ground surface on the left (cut slope) and a sloped embankment on the right (fill slope). A horizontal line represents the top of the surfacing, with a central section labeled 'SURFACE WIDTH' and a width of '3' units. The slope of this surfacing is indicated as '3 %'. The shoulder slope is shown as a steeper slope on the right side of the surfacing. The diagram is labeled 'TYPICAL SURFACING SECTION'.

The diagram illustrates a cross-section of a road. On the left, a vertical line represents the ditch, with a width of 12" indicated. To the right of the ditch is the subgrade, labeled "SUBGRADE WIDTH". The road surface is shown as a horizontal line with a crown, labeled "CROWN SHALL BE 3%". The slopes on either side are labeled "CUT SLOPE" and "FILL SLOPE". A vertical scale of 12" is shown on the left, and a horizontal scale of 1:1 is indicated at the bottom left.

The diagram illustrates a cross-section of a road surfacing. From left to right, it shows a ditch, a 6" thick layer, a shoulder slope, and a fill slope. The main road surface consists of a subgrade, a surface course, and a minimum base course width. The crown of the road is specified to have a 3% slope. The shoulder slope is indicated as 1:1.

TYPICAL SURFACING SECTION

- CUT SLOPE
- 6"
- DITCH
- SHOULDER SLOPE
- MIN. BASE COURSE WIDTH
- MINIMUM WIDTH
- SURFACE COURSE
- SUBGRADE WIDTH
- CROWN SHALL BE 3%
- FILL SLOPE
- 1:1

1. EXTRA SUBGRADE WIDTHS
ADD TO EACH FILL SHOULDER 1FT.FOR
FILLS OF 1-6FT. & 2FT.FOR FILLS OVER
6FT. WIDEN THE INSIDE SHOLDER OF ALL
CURVES AS FOLLOWS:

WHEN THE DEGREE OF CURVE EQUALS

7-21 ADD 1FT.
22-35 ADD 2FT.
36-48 ADD 3FT.
49-64 ADD 4FT.
65-96 ADD 5FT.

SURFACING TYPE

A. PIT RUN ROCK MATERIAL.

B. GRID ROLLED ROCK MATERIAL.

C. SCREENED ROCK MATERIAL.

D. CRUSHED ROCK MATERIAL.

<u>MATERIALS</u>	<u>CUT SLOPES</u>	<u>FILL SLOPES</u>
COMMON	3/4:1	1 1/2:1
SOFT ROCK & SHALE	1/2:1	1 1/2:1
SOLID ROCK	1/2:1	ANGLE OF REPOSE
FULL BENCH CONSTRUCTION IS REQUIRED ON SIDE SLOPES		
EXCEEDING 60%.		

- A. WIDTH 10FT. IN ADDITION TO SUBGRADE WIDTH, OR AS SHOWN ON THE PLANS.
- B. LOCATED APPROXIMATELY AS SHOWN ON THE ROAD PLANS.
- C. INTERVISIBLE AND NOT MORE THAN N/A FT. APART.

SURFACING

TURNOUTS, CURVE WIDENING AND ROAD
APPROACH APRONS SHALL BE SURFACED.

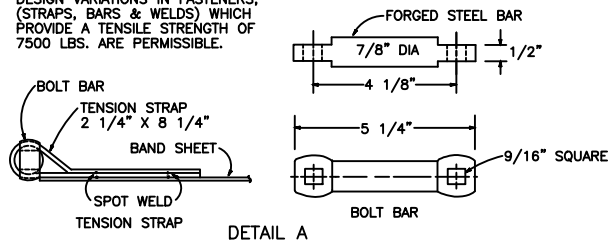
CLEARING WIDTH

SEE SUBSECTION 2100

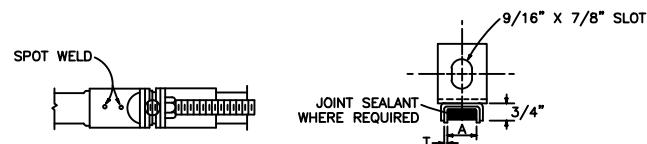
*SPECIFICATION
SHEET*

DESIGNED _____	
REVIEWED _____	
APPROVED _____	
DRAWN DCM	SCALE NONE
August 2006	SHEET 1 OF 1
DRAWING NO. OR-117-06-28-C4	

NOTE:
DESIGN VARIATIONS IN FASTENERS,
(STRAPS, BARS & WELDS) WHICH
PROVIDE A TENSILE STRENGTH OF
7500 LBS. ARE PERMISSIBLE.

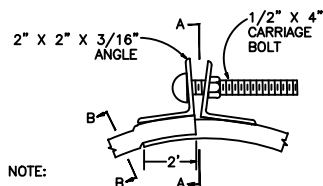


DETAIL A



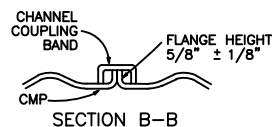
DIMENSIONS IN INCHES		
T	A	PIPE WALL THICKNESS
.079	3/4	.109 OR LIGHTER
.109	1	.138 OR HEAVIER

SECTION A-A



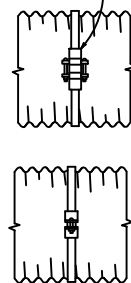
NOTE:

AS AN ALTERNATE TO SWEDGE, AN
OVERSIZE BRIDGE CLIP MAY BE USED.



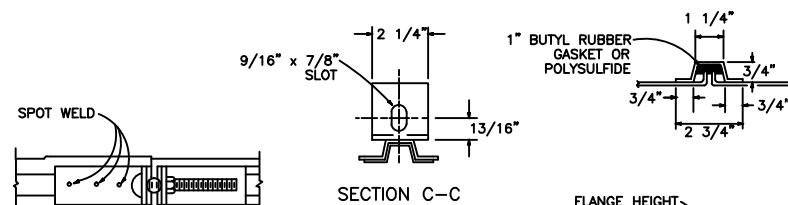
SECTION B-B

TENSION STRAP
AND BOLT BAR.
SEE DETAIL A

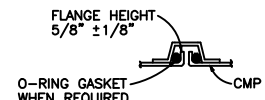


CHANNEL
BAND
COUPLER

EXHIBIT C 5 SHEET 1 OF 1

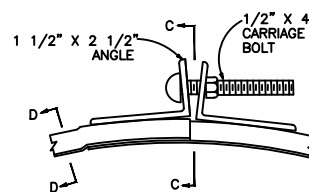


SECTION C-C

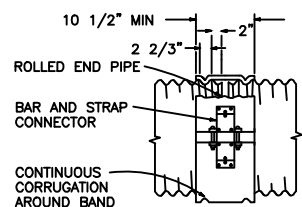
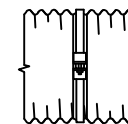


SECTION D-D

SHOWN WITH ALTERNATE TYPES
OF JOINT SEALERS



FLANGED END COUPLER



STANDARD CONSTRUCTION IS 1 PIECE 12"
THRU 48" AND 2 PIECE 54" AND ABOVE

"HUGGER"
COUPLER BANDS

THE HUGGER COUPLER BAND OR AN APPROVED
EQUIVALENT COUPLER BAND SHALL BE MADE OF
THE SAME MATERIAL AND FINISH AS THE PIPES
JOINED. THE COUPLER BANDS SHALL HAVE A
MINIMUM WIDTH OF 10 1/2 INCHES AND MAY
BE TWO NUMERICAL THICKNESSES LIGHTER THAN
THE GAGE OR THICKNESS DESIGNATED FOR THE
CONDUIT JOINED. THE BAND SHALL BE
DESIGNED TO BE DRAWN TOGETHER WITH TWO
1/2 INCH BOLTS THROUGH USE OF A BAR AND
STRAP SUITABLY WELDED TO THE BAND. THE
BAND SHALL ENGAGE AND MESH WITH THE
SECOND ANNULER CORRUGATION INWARD FROM
THE END OF EACH OF THE CONDUIT SECTIONS
JOINED.

WHEN DESIGNATED ON THE PLANS OR IN THE
SPECIAL PROVISIONS, GASKETS SHALL BE
INSTALLED WHEN THE "HUGGER" TYPE, OR AN
APPROVED EQUIVALENT COUPLER BAND IS
INSTALLED ON SPILLWAY, OVERSIDE OR DOWN
DRAINS.

STANDARD COUPLER BANDS

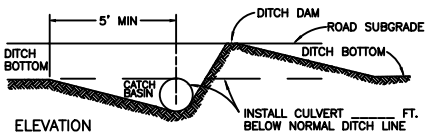
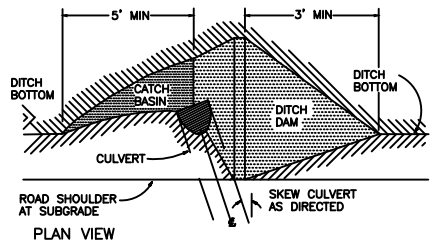
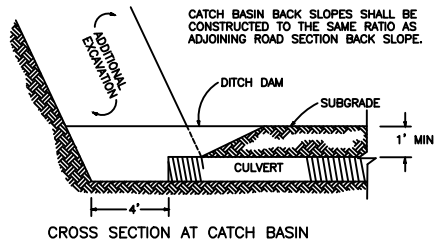
CULVERT SIZE INCHES	CORRUGATED								FLAT-DIMPLED		
	STD. ANNULAR		HELICAL		3" X 1"		6" X 1"		WIDTH	NO. OF ROWS OF DIMPLES	NO. OF BOLTS (A) (B)
	WIDTH	NO. OF BOLTS	WIDTH	NO. OF BOLTS	WIDTH	NO. OF BOLTS	WIDTH	NO. OF BOLTS			
UNDER 18	7	2	7	2					10 1/2	2	2
18 TO 54	12	3	12	3	14	3	18	3	10 1/2	2	3
OVER 54	24	5	24	5	24	5	24	4	16 1/2	4	5

DATA IN THIS BLOCK DOES NOT APPLY TO PERFORATED
PIPE UNDERDRAIN. FOR BANDS WITH "PUNCH-OUT"
TYPE CONNECTIONS, 2 BOLTS ARE PERMISSIBLE FOR
EACH LAP. BANDS SHALL LAP 1/2 WIDTH ONTO EACH
SECTION OF PIPE AND MUST FULLY ENCIRCLE THE
JOINT FORMING A NEARLY WATERTIGHT CONNECTION.
SEE SECTION 400.

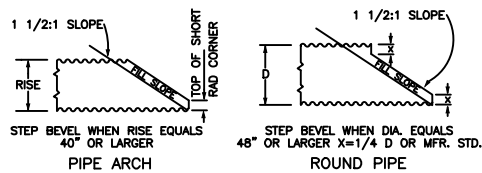
- (A) BANDS WITH ANGLES
(B) BANDS WITH TENSION TYPE CONNECTIONS

REV. NO.	DESCRIPTION	DATE	APPROV.
	UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT MEDFORD DISTRICT - MEDFORD, OREGON		
CULVERT BAND DETAIL			
DESIGNED			
REVIEWED			
APPROVED			
DRAWN	JWR	SCALE	NONE
DATE	August 2006	SHEET	1 OF 1
DRAWING NO.	OR-117-06-28-C5		

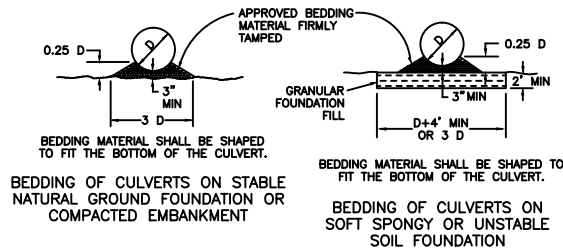
EXHIBIT C 6 SHEET 1 OF 1



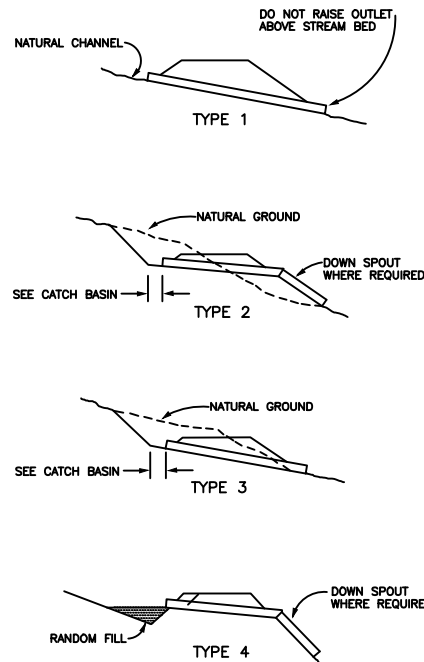
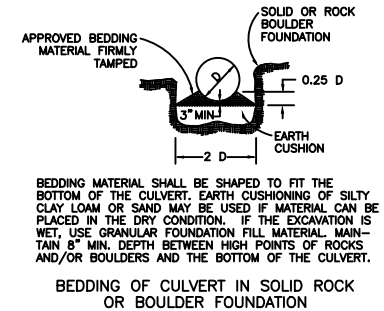
CATCH BASIN



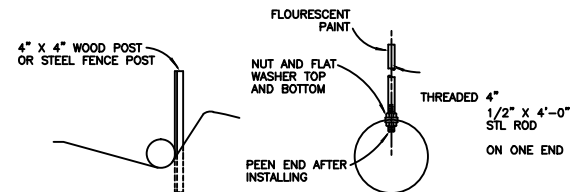
BEVELED END DETAIL



BEDDING OF CULVERTS

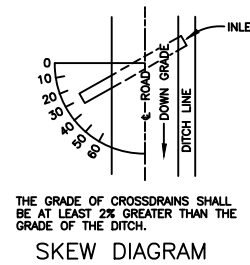


CULVERT INSTALLATION TYPES



INSTALL MARKERS NOT MORE THAN 6" BACK FROM END OF CULVERT

CULVERT MARKER INSTALLATION

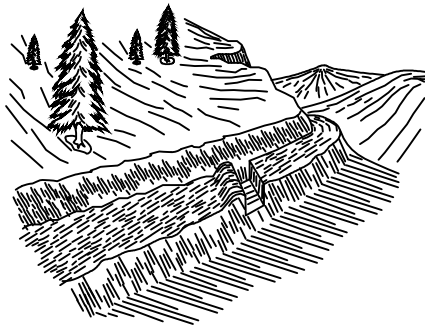


UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
MEDFORD DISTRICT - MEDFORD, OREGON

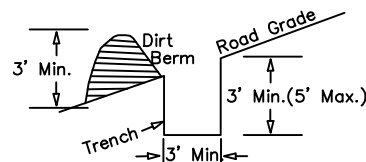
CULVERT INSTALLATION DETAILS

DESIGNED _____
REVIEWED _____
APPROVED _____

DRAWN JWR SCALE NONE
DATE August 2006 SHEET 1 OF 1
DRAWING NO. OR-117-06-28-C6

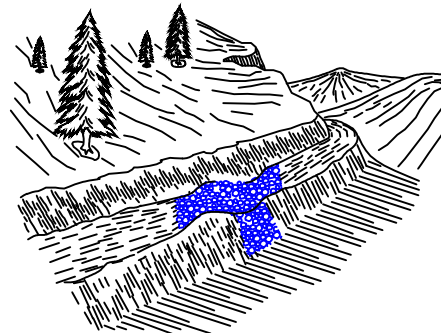


TRENCH BARRICADE

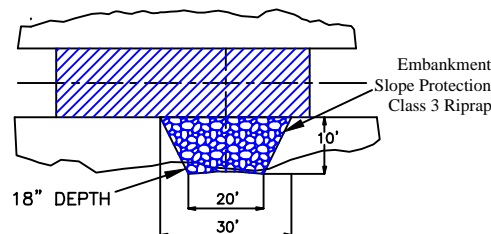
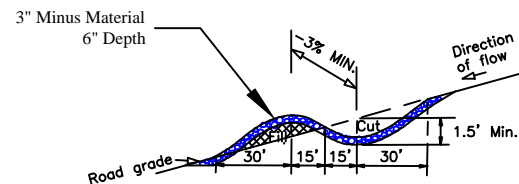


1. BARRICADE LENGTH SHALL EXTEND ACROSS THE ENTIRE ROAD SURFACE TO A POINT SUFFICIENT TO PROHIBIT MOTOR VEHICLE TRAFFIC.
2. THE EXACT LOCATION SHALL BE AS STAKED IN THE FIELD.
3. THE BARRICADE SHALL BE SKEWED AS NEEDED TO DRAIN OR AS DIRECTED BY THE AUTHORIZED OFFICERS REPRESENTATIVE.

Note: Trench barricade may be installed if log minimum dimensions are not readily available.

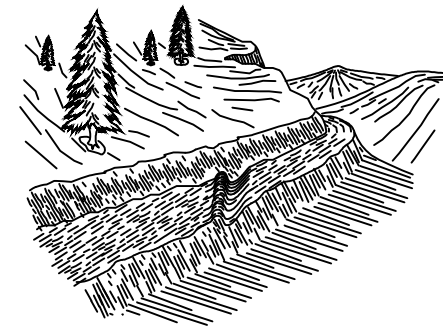


ARMORED WATER DIP

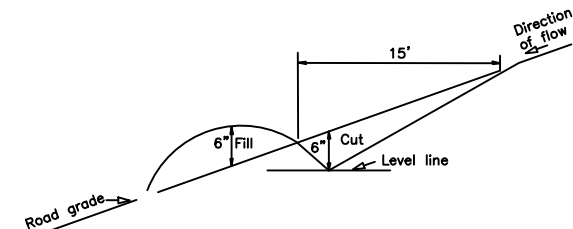


PLAN

1. WATER DIPS SHALL BE CONSTRUCTED AS SHOWN ABOVE.
2. EXACT LOCATION WILL BE FLAGGED BY THE AUTHORIZED OFFICER PRIOR TO CONSTRUCTION.
3. ALL WATER DIPS SHALL BE SKEWED 30 DEGREES.
4. THE LENGTH SHALL BE SUFFICIENT TO EXTEND FROM THE CUT BANK TO THE FILL SLOPE AND BE READILY CROSSED BY HIGH CLEARANCE TYPE VEHICLES.
5. MATERIAL SOURCE FOR CLASS 3 RIPRAP AND 3" MINUS CRUSHED SHALL BE FROM A COMMERCIAL SOURCE.

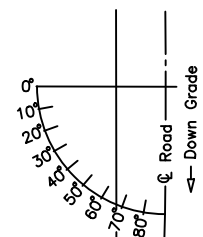


CROSS-DRAIN



1. CROSS-DRAINS SHALL BE CONSTRUCTED AS SHOWN ABOVE.
2. EXACT LOCATION WILL BE FLAGGED BY THE AUTHORIZED OFFICER PRIOR TO CONSTRUCTION.
3. ALL CROSS DRAINS SHALL BE SKEWED 30 DEGREES.

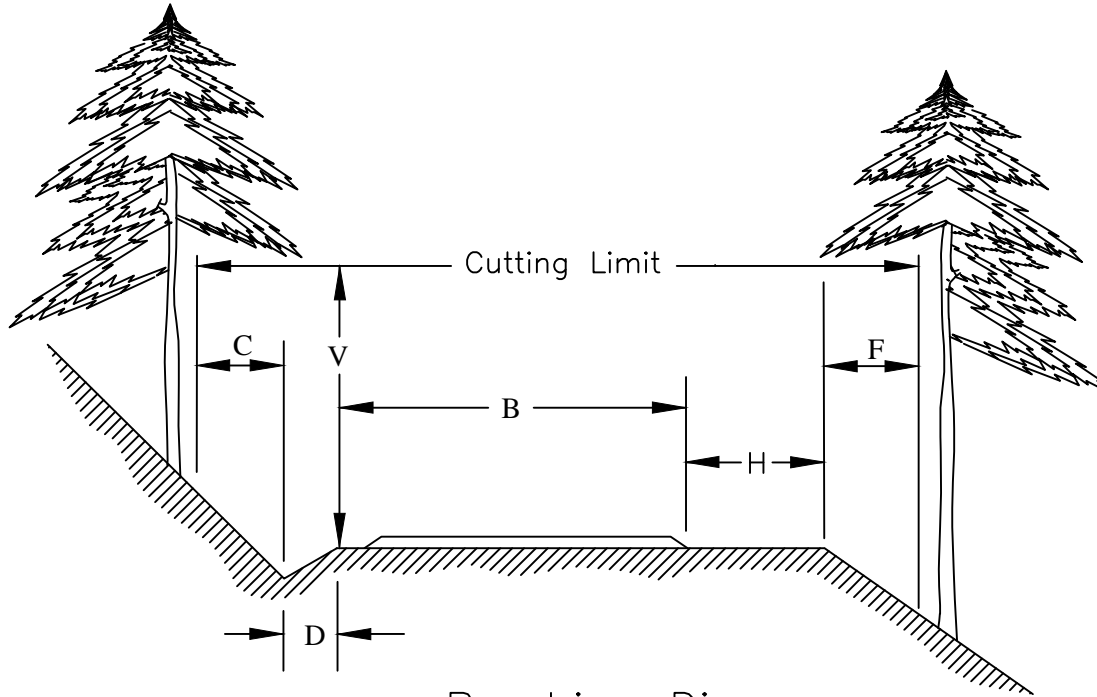
SKEW DIAGRAM



REV.	NO.	DESCRIPTION	DATE	APPROV.
UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT MEDFORD DISTRICT - MEDFORD, OREGON				
DRAINAGE & EROSION CONTROL INSTALLATION				
DESIGNED _____				
REVIEWED _____				
APPROVED _____				
DRAWN DCM		SCALE NONE		
DATE August 2006		SHEET 1 OF 1		
DRAWING NO.		OR-117-06-28-C7		

NOTE:

1. All armored water dips shall be rocked the entire width & length to a depth of 6".



Brushing Diagram

$$\text{Cutting Limit} = C + D + B + H + F$$

B = Basic lane width (includes turnouts)
Width shall be determined by the PI

C = 4 ft - Distance to be brushed on cut slope
beyond centerline of ditch

D = Centerline of ditch to inside shoulder

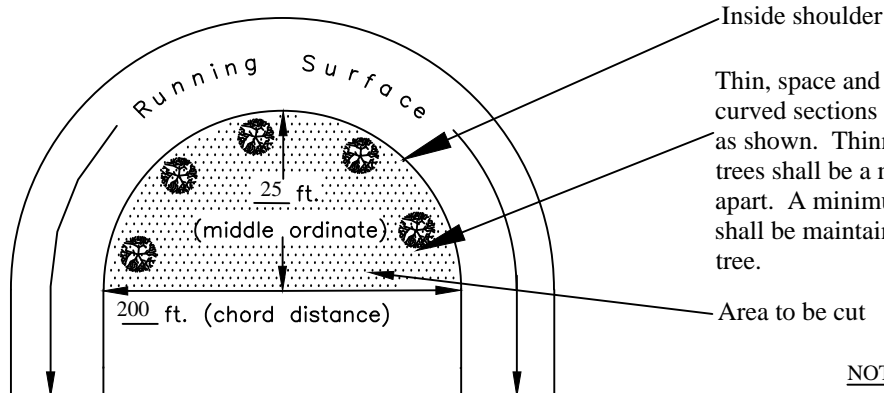
H = Variable distance between edge of basic lane and
outside shoulder (does not include turnout widths)

F = Distance to be brushed on fill slope beyond outside shoulder
(F = 4 when H is 4 ft or less)
(F = 0 when H is greater than 4 ft)

V = 14 ft - Height of vertical cutting limit

Typical Basic lane widths

One lane low traffic volume 12 to 16 ft
One lane medium traffic volume . . 16 to 20 ft
Two lane high volume traffic 20 to 40 ft
Turnouts 10 ft



Sight Distance Diagram

Thin, space and prune trees through
curved sections of road for visibility
as shown. Thinning and spacing of
trees shall be a minimum (10) feet
apart. A minimum (1/3) tree crown
shall be maintained on any pruned
tree.

NOTES:

Cutting and Removal of vegetation
from ditches and roadway is incidental
to brushing within cutting limits.

All distances shown are horizontal except for V

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT MEDFORD DISTRICT - MEDFORD, OREGON			
ROADSIDE BRUSHING DETAIL			
DESIGNED			
REVIEWED			
APPROVED			
DRAWN	RRB	SCALE	NONE
DATE	August 2006	SHEET	1 OF 1
DRAWING NO.	OR-117-06-28-C8		

Road Renovation Work List**CMP = Corrugated Metal Pipe****ASC = Aggregate Surface Course****Milepost****34-8-10**

0.00 Begin Project. Existing 16' ASC Surface with ditch. Begin Pulling Ditches, Cleaning Culverts, and Roadside Brushing.
0.10 Existing 18" CMP.
0.27 Existing 18" CMP.
0.35 Existing 24" CMP in Live Stream.
0.42 Existing 18" CMP.
0.50
0.56 End Project. Junction 34-8-10.1 to left.

34-8-10.1

0.00 Begin Project. Existing 14' ASC Surface with outslope. Begin Roadside Brushing.
0.60 End Project. Junction 34-8-10.4 to left.

34-8-15

0.00 Begin Project. Existing 16' ASC Surface with ditch. Begin Cleaning Culverts and Roadside Brushing.
0.15 Existing 18" CMP.
0.20 Existing 18" CMP.
0.34 Existing 18" CMP.
0.44 End Project. Junction Operator Spur B to left.

34-8-22.1

0.00 Begin Project. Existing 16' ASC Surface with ditch. Begin Roadside Brushing.
0.42 Existing 18" CMP.
0.89 End ASC surface. Begin natural surface.
1.09 End Project. Junction Operator Spur B to left.

DOUBLE RUM TIMBER SALE

EXHIBIT C-9

2 of 4

Milepost

34-8-28

0.33	Begin Project. Existing 16' ASC Surface with ditch. Begin Pulling Ditches, Cleaning Culverts, and Roadside Brushing.
0.44	Existing 18" CMP.
0.59	Existing 18" CMP.
0.70	Existing 18" CMP.
0.91	Junction 34-8-21 to right. Junction 34-8-21.1 to left.
1.38	End Project.

34-8-34

0.00	Begin Project. Existing 16' ASC Surface with ditch. Begin Pulling Ditches, Cleaning Culverts, and Roadside Brushing.
0.05	Existing 18" CMP.
0.20	Existing 18" CMP.
0.28	Existing 18" CMP.
0.49	Existing 36" CMP in Live Stream.
0.58	Existing 18" CMP.
0.75	Existing 18" CMP.
0.78	Existing 18" CMP.
0.90	Existing 18" CMP.
0.91	Existing Steel Pipe gate.
1.03	Existing 18" CMP. Repair damaged inlet.
1.23	Existing 18" CMP.
1.31	Existing 24" CMP in Live Stream.
1.40	Existing 48" CMP in Live Stream.
1.46	Existing 18" CMP.
1.54	Existing 18" CMP.
1.63	Existing 18" CMP. Repair damaged inlet.
1.70	Existing 18" CMP.
1.96	Existing 36" CMP in Live Stream.
2.03	Existing 24" CMP.

DOUBLE RUM TIMBER SALE

EXHIBIT C-9

3 of 4

Milepost

2.14	Existing 18" CMP.
2.25	Existing 48" CMP in Live Stream.
2.30	Existing 36" CMP in Live Stream.
2.44	Existing 24" CMP.
2.50	Junction 34-8-22.4 to right.
2.52	Existing 18" CMP.
2.65	Existing 36" CMP.
2.78	Existing 18" CMP.
2.84	Existing 18" CMP.
2.90	Existing 24" CMP.
2.95	Junction 34-8-22.2 to right.
3.20	Existing 18" CMP.
3.33	Existing 18" CMP. Remove and replace with 18"x40' on new skew. Backfill with 10 CY of borrow material from Peavine quarry.
3.49	Existing 18" CMP.
3.54	Existing 18" CMP.
3.78	Existing 48" CMP in Live Stream.
3.89	Existing 36" CMP in Live Stream.
3.93	Existing 18" CMP.
4.03	Existing 18" CMP.
4.11	Existing 24" CMP in Live Stream.
4.12	Junction 34-8-15 to left.
4.26	Existing 18" CMP.
4.34	Existing 18" CMP.
4.57	Existing 18" CMP.
4.73	Existing 18" CMP.
4.82	Existing 18" CMP.
4.95	Existing 18" CMP.
5.10	Existing 18" CMP.

DOUBLE RUM TIMBER SALE

EXHIBIT C-9

4 of 4

Milepost

5.22	Existing Steel Pipe gate.
5.39	Existing 18" CMP.
5.59	Existing 18" CMP.
5.71	Existing 18" CMP. Remove and replace with 18"x40'.
5.84	Existing 18" CMP.
5.94	Junction 34-8-10 to right.
6.10	Existing 18" CMP.
6.14	End Project.

SPECIAL PROVISIONS

1. Before beginning road construction operations for the first time or after a shutdown of seven or more days, the Purchaser shall notify the Authorized Officer of the date he plans to begin operations. The Purchaser shall also notify the Authorized Officer if he intends to cease operations for any period of 30 or more days.
2. Prior to entering BLM lands, when leaving infested areas, and after project completion, construction equipment shall be washed at home unit or approved wash stations (with a washing solution consisting of one gallon Clorox Brand Regular Bleach to 1000 gallons of water). Add Clorox to water trucks or road watering only after they have left the filling area. Water sources shall be approved by the authorized officer and shall be uninfested (*Phytophthora lateralis*) water sources or water shall be treated with Clorox. Also removal of all dirt, grease, and plant parts that may carry noxious weed seeds or vegetative parts is required. Equipment shall be inspected by the Authorized Officer prior to entering BLM lands and after required washings.
3. Dispose of loose material from ditch blading activities in a manner that prevents the materials from entering ditches or streams.
4. Proposed crushed aggregate rock source: Government furnished material - Peavine Stockpile.
5. Dust created from log hauling shall be abated as necessary to reduce driving hazards and protect the fine materials that bind the road surface rock, thus increasing road longevity. Dust abatement may include the application of water, lignin, or reduced vehicle speed.
6. Trees that pose a hazard to public safety along the road rights-of-way shall be cut. Trees shall be felled and left on site if available.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ROAD SPECIFICATIONS

Road No(s).

34-08-10, 34-08-10.1, 34-08-15, 34-08-22.1, 34-08-28, 34-08-34

Sections 10, 15, 16, 21, 22, 34, T.34 S., R. 8 W.,

Willamette Meridian

Josephine County, Oregon

INDEX

100	GENERAL
200	CLEARING AND GRUBBING
300	EXCAVATION AND EMBANKMENT
400	PIPE CULVERTS
500	RENOVATION OF EXISTING ROADS
2100	ROADSIDE BRUSHING

GENERAL - 100

101 - Prework Conference(s):

A prework conference will be held prior to the start of new construction, reconstruction, and brushing operations. The Purchaser shall request the conference at least 48 hours prior to the time it is to be held. The conference will be attended by the Purchaser and/or his representative(s), subcontractor(s) and/or his or their representative(s) and the Authorized Officer and/or his representative(s).

The purpose will be to review the required work, exhibits and specifications, and to establish a work schedule and a list of the Purchaser's representatives and subcontractor(s). A Prework conference shall be scheduled at the work site.

102 - Definitions:

AASHTO - American Association of State Highway and Transportation Officials.
Current editions of tests and specifications.

Abrasion Resistance - The ability of a fabric surface to resist wear by friction.

ACI - American Concrete Institute.

Apparent Opening Size (AOS) - Number of the U.S. Bureau of Standard sieve (or its opening size in millimeters or inches) having openings closest in size to the diameter of uniform particles which will allow 5 percent by weight to pass through the geotextile material when shaken in a prescribed manner. Also referred to as Equivalent Opening Size (EOS).

ASTM - American Society for Testing and Materials.

Base Course - Surfacing structure consisting of crushed gravel or stone, crushed sandstone, pitrun rock, bank or river-run gravels, etc., to provide support and, in the event no surface course is placed, the running surface for traffic load.

BLM - Bureau of Land Management

Borrow - Excavated material required for embankments and other portions of the work.

Burst Strength - The resistance of a geotextile material to rupture from pressure applied at right angles to the plane of the geotextile material under specified conditions, usually expressed as the amount of pressure causing failure. Rupture or burst results from tensile failure of the geotextile material.

Culvert - A pipe, pipe-arch, arch, or box structure constructed of metal, concrete, plastic or wood which provides an opening under the roadway primarily for the conveyance of liquids, pedestrians or livestock.

Curve Widening - Widening required on inside of curves to accommodate long log and equipment hauling trucks.

Embankment - A structure of soil, aggregate, or rock material placed on a prepared ground surface and constructed to subgrade.

End Haul - Excavated material moved, other than by dozer, to an embankment or waste area to prevent sidecasting material outside of the road prism.

Excess Excavation - Material from the roadway in excess of that needed for construction of the designed roadway (waste).

Grab Tensile Strength - A modified tensile strength of a geotextile material. The strength of a specific width of geotextile material together with the additional strength contributed by adjacent areas. Typically, grab strength is determined on a 12-inch-wide strip of geotextile material, with the tensile load applied at the midpoint of the geotextile material width through 1-inch-wide jaw faces.

Grading - Leveling to grade, shaping and smoothing of a road subgrade; the shaping of roadside ditches as to grade and contour. In some instances includes smoothing of the cut bank.

Nonwoven Geotextile Material - A textile structure produced by bonding or interlocking of fibers, or both, accomplished by mechanical or chemical means.

Overhaul - Distance excavated material is transported in excess of the distance included in the cost for excavation.

Pioneer Road - Temporary construction access built along the route of the project.

Penetration Resistance - The geotextile material property determined by the force required to penetrate a geotextile material with a sharp pointed object. Initial penetration is by separating the fibers. Further penetration is essentially a tearing process.

Percent Open Area - The net area of a geotextile material that is not occupied by geotextile material filaments, normally determinable only for woven and nonwoven geotextile material having distinct, visible, and measurable openings that continue directly through the geotextile material.

Permeability - The geotextile material property which permits water to be transmitted in the longitudinal or transverse planes of the geotextile material.

Piping - The process by which soil particles are washed in or through pore spaces in drains and filters or poorly compacted fill/backfill material.

Plans - The approved drawings, or exact reproductions thereof which show the locations, character, dimensions, and details of the work to be done.

Pore Size - The size of an opening between geotextile material filaments; apparent opening size (AOS) is used to quantify this geotextile material property.

Puncture Resistance - The geotextile material property determined by the force required to penetrate a geotextile material with a blunt object. Failure results in a tearing of the geotextile material.

Purchaser - The individual, partnership, joint venture, or corporation contracting with the Government under the terms of a Timber Sale Contract and acting independently or through their, or its agents, employees, or contractors.

Reasonably Close Conformity - Compliance with reasonable and customary manufacturing and construction tolerances where working tolerances are not specified.

Reinforcement - Strengthening of concrete with iron bars or mesh: geotextile with geotextile material inclusion: subgrade with aggregate: etc.

Roadbed - The graded portion of the road within top and side slopes, prepared as a foundation for the pavement structure and shoulders.

Road Centerline - Longitudinal center of roadbed.

Road Improvement - Work done to an existing road which improves it over its original design standard.

Road Renovation - Work done to an existing road which restores it to its original design.

Roadway - The portion of a road within limits of construction. Usually from the toe of the fill slope to a point where the cut slope intersects natural ground line. Synonym - road prism.

Scale - In quarrying, consists of the removal of loose or overhanging rock adhering to the solid face after a shot or a round of shots has been fired.

Scarification - The process of loosening or breaking up of the surface layer of soil or road, usually to a specified depth.

Separation - Function of geotextile material as a partition between adjacent materials to prevent mixing of those materials.

Shoulder - The portion of the roadbed contiguous with the traveled way designed for accommodation of stopped vehicles, safety, and lateral support of base and surface courses.

Spalls - Flakes or chips of stone.

Specifications - A general term applied to all directions, provisions, and requirements pertaining to performance of the work.

Specific Gravity - The ratio of the density of a material to the density of water obtained by weighing known volumes of both items in air. A specific gravity less than one implies that the material will float.

Structures - Bridges, culverts, catch basins, retaining walls, underdrains, flumes, splash pads, downspouts, and other project features which may be involved in the work and not otherwise classified in these specifications.

Subbase - Reinforcement of the subgrade with large particles of pitrun or crushed stone. Usually confined to roads having wet subgrades or subgrades with weak support characteristics.

Surface Course - Top layer of a road structure consisting of finely crushed gravels or asphalt designed to provide a smooth running surface for traffic load.

Subgrade - The top surface of a roadbed upon which the traveled way and shoulders are constructed.

Tackifier - A compound which facilitates the penetration of the compound into the earth and assists in creating a crust through the cohesive bonding of the surface materials to a depth sufficient to stabilize the soil surface.

Tensile Strength - The strength shown by a geotextile material subjected to tension as distinct from torsion, compression, or shear.

Tensile Stress - Strain Modulus - A measure of the resistance to elongation under stress. The ratio of the change in tensile stress to the corresponding change in strain.

Tensile Test - A test which subjects geotextile material to tensile forces and measures resultant stresses and strains.

Timber - Standing trees, downed trees, or logs which can be measured in board feet.

Traveled Way - The portion of the roadbed used for the movement of vehicles, exclusive of shoulders.

Typical Cross Sections - Cross-sectional plane of a typical roadway; showing natural ground line and designed roadway in relation to cut and fill, through cut, and through fill.

Turnout - Extra widening of the roadbed at appropriate intervals on single-lane roads for passing purposes.

Ultraviolet (UV) Radiation Stability - The ability of geotextile material to resist deterioration from exposure to sunlight.

Unaged Cloth - Cloth in condition received from the manufacturer or distributor.

Woven Geotextile Material - A textile structure comprising two or more sets of filaments of yarns interlaced in such a way that the elements pass each other at essentially right angles with one set of elements parallel to the geotextile material axis.

102a - Tests Used in These Specifications:

<u>AASHTO T 11</u>	Quantity of rock finer than No. 200 sieve.
<u>AASHTO T 27</u>	Sieve analysis of fine and coarse aggregate using sieves with square openings; gradation.
<u>AASHTO T 89</u>	Liquid limit of material passing the No. 40 sieve. Water content at which the soil passes from a plastic to a liquid state.
<u>AASHTO T 90</u>	Plastic limits and plasticity index of soil. a. Plastic limit - lowest water content at which the soil remains plastic. b. Plasticity index - range of water content, within which the material is in a plastic state. Numerical difference between the liquid and plastic limits of the soil.
<u>AASHTO T 96</u>	Resistance to abrasion of small size coarse aggregate by use of the Los Angeles machine.
<u>AASHTO T 99</u>	Relationship between soil moisture and maximum density of soil. Method A - 4 inch mold, soil passing a No. 4 Sieve.25 blows/layer & 3 layers. Method D - 6 inch mold, soil passing a 19.00mm (3/4 inches) sieve. 56 blows/layer & 5 layers.
<u>AASHTO T 176</u>	Shows relative portions of fine dust or clay-like materials in soil or graded aggregate.
<u>AASHTO T 180</u>	(OSHD 106-71) moisture density relationship of soil same as AASHTO T 99 proctor but uses a 10-lb rammer and 18-in drop.
<u>AASHTO T 191</u>	<u>Sand Cone.</u> Density of soil in place: For subgrade use 6-inch or 12-inch cone. For rock surfacing for 1-1/2-inch minus to 3-inch minus use 12-inch cone.
<u>AASHTO T 205</u>	<u>Rubber balloon.</u> Density of soil in place. Use for compacted or firmly bonded soil.
<u>AASHTO T 210</u>	Durability of aggregates based on resistance to produce fines.
<u>AASHTO T 224</u>	Correction for coarse particles in the soil.

AASHTO T 238 Determination of density of soil and soil-aggregates in place by nuclear methods.

AASHTO T 248 Reducing field samples of aggregate to testing size by mechanical splitter, quartering, or miniature stockpile sampling.

DES. E-12 Determination of relative density of cohesionless soils.

DMSO (dimethyl sulfide) - Determines volume of expanding clays in aggregates. Usually associated with marine basalts.

103 - Compaction equipment shall meet the following requirements:

103f - Vibratory roller. The drum diameter shall be not less than 48 inches, the drum width not less than 58 inches, and have a turning radius of 15 feet or less. Vibration frequency shall be regulated in steps to 1400, 1500, and 1600 vibrations per minute (VPM), corresponding to engine speeds of 1575, 1690, and 1800 RPM. The centrifugal force developed shall be 7 tons at 1600 RPM. It shall be activated by a power unit of not less than 25 horsepower. The vibratory roller shall be self-propelled or drawn by a vehicle of sufficient horsepower to enable the unit to travel through a loose layer of material at a speed ranging from 0.9 mile to 1.8 miles per hour, as directed by the Authorized Officer.

The towing vehicle and roller or self-propelled unit meeting the above requirements shall be considered a vibratory roller unit.

103h - Drum drive self-propelled vibratory grid roller. The unit shall consist of one cylindrical drum with a drum diameter of not less than 56 inches, nor more than 66 inches and the drum width shall be 84 inches. Vibratory frequency shall be regulated in steps from 1200 to 1800 vibrations per minute (VPM), and the centrifugal force developed shall be at least 40,000 pounds at 1800 RPM. The vibratory grid roller shall be self-propelled and have a power unit of not less than 112 horsepower. The "grid" design shall be a herringbone or z-bar pattern around the circumference of the drum. The grid bars shall be 1 inch in height and spaced not more than 8-1/2 inches apart.

103i - Other. Compaction equipment approved by the Authorized Officer.

CLEARING AND GRUBBING - 200

- 201 - This work shall consist of clearing, grubbing, removing and disposing of vegetation, debris, surface objects, and protruding obstructions within the clearing limits in accordance with these specifications and conforming to the lines, grades, dimensions, and typical cross sections shown on the plans.
- 202 - Where clearing limits have not been staked, established by these specifications or shown on the plans, the limits shall extend 2 feet back of the top of the cut slope and 2 feet out from the toe of the fill slope.
- 202a - Where clearing limits for structures have not been staked or shown on the plans, the limits shall extend 5 feet out from the outside edge of the structure.
- 203 - Clearing shall consist of the removal and disposal of trees, logs, rotten material, brush, and other vegetative materials and surface objects in accordance with these specifications and within the limits established for clearing as specified under Subsection(s) 202, and 202a and as shown on the plans.
- 203a - Brush under 0.5 feet in height need not be cut within the limits established for clearing.
- 203b - Standing trees and snags to be cleared shall be felled within the limits established for clearing, unless otherwise authorized.
- 203c - Disposal of logs from private timber cleared within the limits established, as shown on the plans shall consist of decking at a location designated by the Authorized Officer as staked on the ground.
- 204 - Grubbing shall consist of the removal and disposal of stumps, roots, and other wood material embedded in the ground, and protruding obstacles remaining as a result of the clearing operation in accordance with Subsection(s) 204a, 204b, 204c, 204d, and 204e between the top of the cut slope and the toe of the fill slope. Undisturbed stumps, roots and other solid objects which will be a minimum of 2 feet below subgrades or slope surfaces of embankments are excepted.
- 204a - Stumps shall be removed within the required excavation limits.
- 204b - Stumps and other protruding objects shall be completely removed within the limits of required embankments having heights of less than 4 feet.
- 204c - On excavated areas, roots and embedded wood shall be removed to a depth not less than 6 inches below the subgrade.
- 204d - On areas to be occupied by embankments having heights greater than 4 feet, no stump or portion thereof shall remain within 3 feet of embankment subgrades or slope surfaces after grubbing is completed.

- 204e - Roots and embedded wood material shall be removed to a depth not less than 1 foot below embankment subgrades or slope surfaces.
- 205 - Clearing and grubbing debris shall not be placed or permitted to remain in or under road embankment sections.
- 206 - Disposal of clearing and grubbing debris shall be by scattering over government owned lands outside of established clearing limits in a manner acceptable to the Authorized Officer. The areas for such scattering shall have the prior approval of the Authorized Officer.
- 207 - No grading will be permitted prior to completion and approval by the Authorized Officer of the required clearing and grubbing work, except that stump grubbing may proceed with the excavation of the road prism.
- 208 - No clearing or grubbing debris shall be left lodged against standing trees.

EXCAVATION AND EMBANKMENT - 300

- 301 - This work shall consist of excavating, overhaul, placement of embankments, backfilling, borrowing, leveling, ditching, grading, insloping, outsloping, crowning and scarification of the subgrade, compaction, disposal of excess and unsuitable materials, and other earth-moving work in accordance with these specifications and conforming to the lines, grades, dimensions, and typical cross sections shown on the plans.
- 302 - Excavation shall also consist of the excavation of road and landing cut sections, borrow sites, backfilling, leveling, ditching, grading, compaction and other earth moving work necessary for the construction of the roadway in accordance with these specifications and conforming to the lines, grades, dimensions, and typical cross sections shown on the plans,(and as marked on the ground with stakes or metal tags).
- 303 - Suitable material removed from the excavation shall be used in the formation of embankment subgrade, shoulders, slopes, bedding, backfill for structures, and for other purposes as shown on the plans.
- 305 - Embankment construction shall consist of the placement of excavated and borrowed materials, backfilling, leveling, grading, compaction, and other earth-moving work necessary for the construction of the roadway and landings in accordance with these specifications and conforming to the lines, grades, dimensions, and typical cross sections shown on the plans, and as marked on the ground with stakes or metal tags.
- 305a - Material used in the construction of embankment sections shall be free of stumps, cull logs, brush, muck, sod, roots, frozen material and other deleterious materials and shall be placed and compacted as specified.

- 305b - Embankment materials shall be placed in successive parallel layers on areas cleared of stumps, cull logs, brush, sod, and other vegetative and deleterious materials, except as provided under Subsection 204.
- 305c - Embankments formed of material containing less than 25 percent rock not larger than 8 inches in the greatest dimension shall be placed in 12-inch layers. Material containing more than 25 percent rock not larger than 12 inches in the greatest dimension shall be placed in successive layers not exceeding 2 feet in thickness. Individual rocks and boulders greater than 12 inches in diameter may be used to construct 2 foot embankment layers, provided they are carefully distributed, with interstices filled with fine material to form a dense and compact mass.
- 305d - Where embankments are constructed predominantly of blasted rock material, depth of layers shall not exceed 4 feet. Rock fragments having dimensions greater than 4 feet will be permitted provided that they have no dimensions greater than 6 feet and that clearance between adjacent fragments is adequate for the placing and compacting of material in horizontal layers as specified, and that no part of the larger fragments comes within 4 feet of subgrade.
- 306 - Layers of embankment final subgrade material as specified under Subsections 305a, 305b, and 305c, shall be moistened or dried to a uniform optimum moisture content suitable for maximum density and compacted to full width with compacting equipment conforming to requirements of Subsections 103f, 103h, and 103i.
- 306a - Minimum compaction for each layer of embankment and selected roadway excavation material placed shall be 1 hour of continuous compacting for each 150 cubic yards in place or fraction thereof.
- 306e - The final subgrade including landings shall be compacted to full width with compacting equipment conforming to the requirements of Subsections 103b, 103e, 103f, 103h, and 103i. Minimum compaction shall be 1 hour of continuous compacting for each 6 stations of road or a fraction of as measured along the center line of the constructed road. Landings and turnouts shall be compacted by routing construction equipment over full width.
- 308 - In the case of rock fills, placement of material in layers is not required and such material may be placed by end-dumping or other methods approved by the Authorized Officer provided that the rock be reasonably prevented from escaping beyond the embankment toe.
- 311 - In solid rock cuts where pockets that will not drain are formed by blasting below the subgrade elevation, drainage shall be provided by ditching to the edge of the subgrade and backfilling to grade and compacting both the pockets and the ditch with rock fragments, gravel, or other suitable porous material.

- 312 - When material, except solid rock, encountered in cuts at subgrade, is suitable for use in forming the finished roadbed, the top 6-inch layer of the subgrade shall be thoroughly scarified for the full width of the roadbed. Roots, sod, and other deleterious material or stones that will not pass a 6-inch square opening shall be removed. The scarified material shall be processed to the optimum moisture content suitable for maximum density and compacted in accordance with these specifications.
- 313 - In cut areas where solid rock is encountered at, or near subgrade, the rock shall be excavated to a minimum depth of 6 inches below subgrade elevation and the excavated area backfilled with suitable material. The backfill material shall be processed to the optimum moisture content suitable for maximum density and compacted to full width in accordance with the requirements of Subsection 306.
- 314 - When heavy clays, muck, clay shale, or other deleterious material for forming the roadbed is encountered in cuts at subgrade, it shall be excavated to a minimum depth of 2 feet below the subgrade elevation and the excavated area backfilled with a selected borrow material approved by the Authorized Officer. The backfill material shall be uniformly moistened or dried to the optimum moisture content suitable for maximum density in accordance with the requirements of Subsection 306. Unsuitable material shall be disposed of as directed by the Authorized Officer.
- 320 - Ditches shall conform to the slope, grade, dimensions, and shape of the required cross section shown on the plans. Roots, stumps, rocks, and other projections shall be removed to form smooth, even slopes.
- 321 - Excess excavated, unsuitable, or slide materials shall not be disposed of on areas where the material will encroach on a stream course or other body of water. Such materials shall be disposed of in a location as approved by the Authorized Officer.
- 321c - End-dumping will be permitted for the placement of excess materials under Subsection 321 in designated disposal areas or within areas approved by the Authorized Officer. Watering, rolling, and placement in layers is not required. Materials placed shall be sloped, shaped, and otherwise brought to a neat and sightly condition acceptable to the Authorized Officer.
- 322 - When so indicated on the plans, selected coarse rock encountered in the excavation shall be conserved for slope protection or special rock embankment purposes and placed in accordance with the requirements and details of Section 1400 of these specifications and as shown on the plans.
- 323 - In the construction of channel changes and stream crossing embankment sections, natural stream flow shall be maintained unless otherwise provided.
- 324 - Excavated material shall not be allowed to cover boles of standing trees to a depth in excess of 2 feet on the uphill side.

- 327 - The finished grading shall be approved in writing by the Authorized Officer in segments. The Purchaser shall give the Authorized Officer 3 days notice prior to final inspection of the grading operations.
- 328 - The Purchaser shall adopt methods and procedures in using explosives, which will prevent damage to adjacent landscape features, and which will minimize scattering rocks and other debris outside the road prism.
- 328a - The Purchaser shall establish and be responsible for blasting techniques and shall furnish the Authorized Officer, prior to starting drilling operations, a blasting plan specifying drill-hole diameter, drill-hole spacing, depth of drilling, type of explosive to be used, loading pattern, sequence of firing, the location where the plan is to be used, and other relevant data. Acceptance of the drilling and blasting plan does not relieve the Purchaser of responsibility or liability for the results of the blasting.

PIPE CULVERTS - 400

- 401 - This work shall consist of furnishing and installing pipe culverts, half rounds, downspouts, elbows and other erosion control devices in accordance with these specifications and conforming to the lines, grades, dimensions, and typical cross sections shown on the plans. Individual lengths and locations are approximate; final lengths and locations will be determined by the Authorized Officer from established construction stakes. Additional pipe and erosion control devices may be required at the option of the Authorized Officer, in which case a reduction in the total purchase price shall be made to offset the cost of furnishing and installing such items. Costs will be based upon the unit prices set forth in the current BLM Timber Appraisal Production Cost Schedule.
- 402 - The pipe culverts will be located at the road locations as shown on the Exhibit C drawings.
- 403 - Grade culverts shall have a gradient of from 2 percent to 4 percent greater than the adjacent road grade and shall be skewed down grade 30 degrees as measured from the perpendicular to the centerline unless otherwise specified on the plans.
- 404 - Damage to the spelter, or burn back in excess of 3/8 inch, shall be wire brushed and painted with two coats of zinc-rich paint on zinc-coated and aluminum-rich paint on aluminum or aluminum-coated pipe.
- 405 - Corrugated steel riveted and helical pipe culverts and pipe-arch culverts and special sections shall conform to the requirements of AASHTO M 36 and AASHTO M 218 or AASHTO M 274 as specified on the plans.
- 405a - Corrugated-steel-welded pipe culverts and pipe-arch culverts and special sections shall conform to the requirements of AASHTO M 36 and AASHTO M 218 or AASHTO M 274 as specified on the plans.

- 405b - Corrugated-aluminum-alloy pipe culverts and pipe-arch culverts shall conform to the requirements of AASHTO M 196.
- 405c - Corrugated-steel-structural plate pipe culverts and pipe-arch culverts shall conform to the requirements of AASHTO M 167, except that single plates may exceed 75 pounds in weight.
- 405d - Corrugated-aluminum-structural plate pipe culverts and pipe-arch culverts and special sections shall conform to the requirements of AASHTO M 219.
- 405f - Ring gaskets for rigid pipe shall meet the requirements of AASHTO M 198. Continuous flat gaskets for flexible metal pipe shall meet the requirements of ASTM D 1056, with grade RE 41 used for bands with projections or flat bands, and grade RE 43 used for corrugated bands. When used with metal pipe with annular reformed ends, the ring gasket shall be one-fourth greater in diameter than the depth of the corrugation. Gasket thickness for bands with projections or flat bands shall be 1/2 inch greater than the nominal depth of the corrugation and shall be 3/8 inch for corrugated bands. For pipe with flanged ends, a butyl-rubber-strip gasket shall be placed inside the channel band.
- 406 - Coupling bands shall conform to the requirements of AASHTO M 36 and AASHTO M 218, or AASHTO M 274 with the exception of band widths and the "Hugger"-type band, which shall conform to the details, dimensions, and typical diagram shown on the plans.
- 406a - "Hugger"-type coupling bands shall only be used with annular corrugated pipe and pipe-arch culverts or helically corrugated pipe and pipe-arch culverts having annular reformed ends. Annular reformed ends shall consist of 2 annular corrugations.
- 406b - Coupling bands produced from flat galvanized steel sheets with impressed dimples will be permitted only for connecting annular corrugated steel pipe to helically corrugated steel pipe. Such coupling bands shall conform to the width requirements shown on the plans.
- 406c - Elbow sections used in conjunction with full-round pipe culvert downspouts shall be connected at both ends by "Hugger"-type bands, and "O" ring neoprene gaskets shall be inserted between the band and pipe as shown on the plans to ensure a watertight joint.
- 406f - Channel-type coupling bands may be used on helical pipe with reformed rolled ends and flanged specifically to receive these bands. Such coupling bands shall conform to the requirements shown on the plans.
- 407a - Flumes and half rounds conforming to the material and construction requirements shown on the plans shall be constructed for culverts at the locations as specified in the plans.

- 408 - Pipe culverts and pipe-arch culverts shall be placed on the bed starting at the downstream end with the inside circumferential laps pointing downstream and with the longitudinal laps at the side or quarter points. Coupling bands of the types required under these specifications shall be installed so as to provide the circumferential and longitudinal strength necessary to preserve the pipe alignment, prevent separation of the pipe sections, and minimize infiltration of fill material.
- 410 - Pipe shall be unloaded and handled with reasonable care. If the Authorized Officer determines any structure is damaged to the extent that it is unsuitable for use in the road construction, it shall be replaced at the Purchaser's expense.
- 411 - Trenches necessary for the installation of pipe culverts shall conform to the lines, grades, dimensions, and typical diagram included in the plans and the Culvert Installation Detail Sheet.
- 412 - Where ledge rock, boulders, soft, or spongy soils are encountered, they shall be excavated a minimum of 24 inches below the invert grade for a width of at least one pipe diameter or span on each side of the pipe and shall be backfilled with selected granular or fine readily compactible soil material.
- 413 - Pipe culverts and pipe-arch culverts shall be bedded on a selected granular or fine readily compactible soil material having a depth of not less than 10 percent of the diameter or height of the drainage structure concerned or a minimum depth of:

<u>Pipe Corrugation Depth</u>	<u>Minimum Bedding Depth</u>
2 inch	1 inch
1 inch	2 inches
2 inches	3 inches

Foundation material shall be of uniform density throughout the length of the structure and shall be shaped to fit the pipe.

- 414 - The invert grade of the bedding shall be cambered in accordance with the requirements and details shown on the plans and as directed by the Authorized Officer.
- 414a - The invert grade of the bedding shall be cambered at the middle ordinate a minimum of 1 percent of the total length of the drainage structure. Camber shall be developed on a parabolic curve.
- 421 - Trenches and bedding rock necessary for the installation of perforated pipe shall conform to the lines, grades, dimensions, and typical diagram shown on the plans.
- 423 - Construction of catch basins and ditch dams conforming to lines, grades, dimensions and typical diagrams shown on the plans, shall be required for culverts.

- 424 - Construction of splash pads conforming to lines, grades, dimensions, and typical diagram shall be required for grade culverts and culverts at the locations as shown in the plans.
- 427 - The Purchaser shall record culvert sizes, lengths and location actually installed on a copy of the culvert list. This culvert list shall be furnished to the Authorized Officer.

RENOVATION OF EXISTING ROADS - 500

- 501 - This work shall consist of reconditioning and preparing the roadbed and shoulders, cleaning and shaping drainage ditches, trimming vegetation from cut and embankment slopes, and cleaning and repairing drainage structures of existing roads in accordance with these specifications, as shown on the plans, and as marked on the ground with stakes or metal tags.
- 502 - The existing road surface shall be bladed and shaped to the lines, grades, dimensions, and typical cross sections shown on the plans.
- 502a - Rocks larger than 4 inches in maximum dimension shall be removed from the scarified layers of the roadbed. Material so removed will not be permitted to remain on road shoulders or in ditches.
- 502b - Drainage ditches shall be bladed and shaped in accordance with the lines, grades, dimensions, and typical cross sections shown on the plans.
- 503 - Debris from slides shall be disposed of as directed by the Authorized Officer.
- 504a - Minimum compaction required shall be one (1) hour of continuous (rolling) for each (4) stations of road, or fraction thereof, as measured along the centerline, per layer of material.
- 506 - The inlet end of existing drainage structures shall be cleared of vegetative debris and boulders that are of sufficient size to obstruct normal stream flow. Pipe inverts shall be cleared of sediment and other debris lodged in the barrel of the pipe. The outflow area of pipe structures shall be cleared of rock and vegetative obstructions which will impede the structures designed outflow configuration. Catch basins shall conform to the lines, grade, dimensions, and typical diagram shown on the plans.
- 507 - The finished grading shall be approved in writing by the Authorized Officer. The Purchaser shall give the Authorized Officer 3 days notice prior to final inspection of the grading operations.

ROADSIDE BRUSHING-2100

- 2101 - This work shall consist of cutting and the removal of vegetation from the road prism - variable distance and inside curves in accordance with these specifications. This work shall conform to the lines, grades, dimensions, and typical cross sections shown on the Roadside Brushing Detail Sheet, at designated locations as shown in the plans.
- 2102 - Roadside brushing may be performed mechanically (approved Rotary Brushing machine) or manually with hand tools, including chain saws.
- 2103 - Vegetation cut manually less than 6 inches in diameter when measured 6 inches above the ground shall be cut to a maximum height of 2 inches above the ground surface or above obstructions such as rocks or stumps on cut and fill sloped and all limbs will be severed from the trunk.
- 2103a - Vegetation shall be cut and removed from the road bed between the outside shoulders and the ditch centerline and such vegetation shall be cut to a maximum height of 1 inch above the ground and running surface. All limbs will be severed from the trunk. Sharp pointed ends will not be permitted. Cuts shall be parallel to the ground line or running surface.
- 2104 - Trees in excess of 6 inches in diameter at D.B.H. shall be limbed, so that no limbs extend into the treated area or over the roadbed to a height of 10 feet above the subgrade of the roadway on cut and fill slopes, within the road prism-variable distance. Limbs shall be cut to within 1 inch of the trunk to produce a smooth vertical face. Removal of trees larger than 6 inches in diameter for sight distance or safety may be directed by the Authorized Officer.
- 2105 - Vegetation that is outside of the road prism-variable distance that protrudes into the road prism and within 14 feet in elevation above the subgrade shall be cut, to within 1 inch of the trunk to produce a smooth vertical face.
- 2107 - Inside curves shall be brushed out for a sight distance of 200 feet chord distance a middle ordinate distance of 25 feet. Overhanging limbs and vegetation in excess of 1 foot in height shall be cut within these areas.
- 2108 - Self propelled equipment shall not be permitted on cut and fill slopes or in ditches.
- 2109 - Debris resulting from roadside brushing shall be scattered downslope from the roadway. Debris shall not be allowed to accumulate in concentrations. Debris in excess of 1 foot in length and 2 inches in diameter shall not be allowed to remain on cut slopes, ditches, roadways or water courses, or as directed by the Authorized Officer.

2112 - Roadside brushing shall be performed during the following seasonal periods:

From	To
Jan 1	Dec 31

2113 - Roadside brushing shall be accomplished on all roads as specified on the plans.

2117 - Traffic warning signs shall be required at each end of the work area. Signs shall meet the requirements of the Manual on Uniform Traffic Devices.

GENERAL MAINTENANCE - 3000

- 3001 - The Purchaser shall be required to maintain all roads listed and/or referenced in Section 41(C)(4) Special Provisions of this contract in accordance with Sections 3000, 3100, 3200, 3300, and 3400 of this exhibit.
- 3001a - The Purchaser shall be required to provide maintenance on roads in accordance with Subsections 3403, 3403a and 3404.
- 3002 - The Purchaser shall maintain the cross section of existing dirt or graveled roads to the existing geometric standards. Any roads required to be constructed, improved, or renovated under terms of this contract shall be maintained to the standards required in Exhibit C of this contract.
- 3003 - The minimum required maintenance on any roads shall include the provisions specified in Subsections 3101, 3104, and 3105.
- 3004 - The Purchaser shall be responsible for providing timely maintenance and cleanup on any road(s) with logging units substantially completed prior to moving operations to other roads. The maximum length of non-maintained or non-cleanup of the road prism, shall not exceed the sum of one (1) mile at any time. Release of maintenance requirements may be granted, upon written request, when the conditions specified in Sections 3300 and 3400 are met satisfactorily.

OPERATIONAL MAINTENANCE - 3100

- 3101 - The Purchaser shall blade and shape the road surface and shoulders with a motor patrol grader. Banks shall not be undercut. Back blading with tractors or similar equipment will be allowed only around landings and other areas when approved by the Authorized Officer.
- 3103 - The Purchaser shall maintain established berms and place additional berms using adjacent material where needed to protect fills as directed by the Authorized Officer.
- 3104 - The Purchaser shall perform other road cleanup including removal of debris, fallen timber, bank slough, and slides which can practicably be accomplished by a motor patrol grader, rubber tired front end bucket loader, rubber tired backhoe or comparable equipment, and by the use of hand tools.
- 3104a - Removal of bank slough and slide material includes placement of material at the nearest suitable turnout or disposal site where material cannot erode into streams, lakes, or reservoirs or cause undue damage to road fill slopes which have been planted or mulched to control soil erosion.

- 3104b - The Purchaser shall be responsible for removal of all slides, up to fifteen (15) station yards in quantity, at any one site. This work includes unlimited multiple sites on all roads required to be maintained by the Purchaser.

Prior to removal of any slough or slide material exceeding fifteen (15) station yards at any one site, the Purchaser and the Authorized Officer or their Authorized Representatives shall agree in writing, in the field, to the quantity of material, method of disposal, and the disposal site. Work may commence immediately after agreement.

Upon completion of agreed upon work, a reduction in timber sale purchase price will be made to offset the cost of the work, based on current BLM Timber Appraisal Production Cost Schedules. Adjustments in purchase price for completed work shall be made as necessary and no less than once per year when actual work is ongoing.

- 3105 - The Purchaser shall be responsible for maintaining normal flow in drainage structures. This includes cleaning out drainage ditches, catch basins, clearing pipe inverts of sediment and other debris lodged in the barrel of the pipe, and maintaining water dips and water bars using equipment specified in Subsection 3104 and other culvert cleaning and flushing equipment.

- 3106 - The Purchaser shall be responsible for repair and replacement of all material eroded from road shoulders and fill slopes, up to fifteen (15) station yards in quantity, at any one site. The work includes unlimited multiple sites on all roads required to be maintained by the Purchaser. Prior to repair and replacement of eroded material exceeding fifteen (15) station yards at any one site, the Purchaser and the Authorized Officer or their Authorized Representatives shall agree in writing, in the field, to the quantity of material, borrow source and method of repair. Work may commence immediately after agreement.

Upon completion of agreed upon work, a reduction in timber sale purchase price will be made to offset the cost of the work, based upon current BLM Timber Appraisal Production Cost Schedules. Adjustments in purchase price for completed work shall be made as necessary, and no less than once per year when actual work is ongoing.

- 3107 - The Purchaser shall cut or trim trees and brush which obstructs vision or prevents the safe passage of traffic along the travelled way, when directed by the Authorized Officer.

The Purchaser shall also cut trees or brush encroaching on the road prism that are a result of his activities or winter damage during the contract period. Disposal of such vegetative material shall be by scattering below the road.

- 3108 - The Purchaser shall avoid fouling gravel or bituminous surfaces through covering with earth and debris from side ditches, slides, or other sources. The Purchaser shall also avoid blading surfacing material off the running surface of the roadway. Skidding of logs on the roadway in or outside designated logging units is not authorized without prior written approval by the Authorized Officer. Repair required

by such skidding activity is not considered maintenance and shall be performed at the Purchaser's expense.

- 3108a - The Purchaser shall perform logging operations on gravel and/or bituminous roadways only where the locations have been marked on the ground and/or approved by the Authorized Officer. Repair of the road shall be as specified in Subsection 3401.

SEASONAL MAINTENANCE - 3200

- 3201 - The Purchaser shall perform preventive maintenance at the end of Purchaser's hauling each season and during nonhauling periods which occur between other operations on the contract area. This includes cross ditching, removing ruts or other surface irregularities and all other requirements specified in Section 3100.
- 3202 - The Purchaser shall perform and complete maintenance, specified in Sections 3000, 3100, and 3200, on all roads maintained by him, prior to October 1 each year, except as specified in Subsection 3203, after initial commencement of construction or logging operations. Thereafter all roads shall have continuous preventive maintenance and road cleanup until suspension of seasonal operations. This includes all roads used and not used during the preceding operating seasons.
- 3203 - The Purchaser shall complete road cleanup and maintenance, as specified in Section 3100, at the completion of logging operations on any road(s) located in an area separate from the area where logging activities will resume.
- 3204 - The Purchaser shall be responsible for performing post storm inspections and maintenance during the winter season to minimize erosion and potential roads or watershed damage.

FINAL MAINTENANCE - 3300

- 3301 - The Purchaser shall complete final maintenance and/or damage repairs on all roads used under terms of their contract within 30 calendar days following the completion of hauling and in accordance with Sec. 16(b) of this contract. This work shall include any maintenance and/or damage repairs specified in Sections 3000, 3100, and 3200 necessary to meet the conditions specified in Subsection 3002 and shall be executed in accordance with Subsection 3302 of this section.

The Authorized Officer may grant acceptance of Purchaser's maintenance responsibility in part where certain individual roads or road segments are no longer of any use to the Purchaser's remaining removal operations, providing that all contract requirements as specified under Sec. 16(b), Special Provisions (Sections 3000, 3100, 3200, and 3300 of the maintenance specifications) have been completed and a relinquishment of cutting and removal rights on cutting units tributary to these roads is signed by the Purchaser. Request for partial acceptance must be submitted in writing by the Purchaser.

- 3302 - The Purchaser shall perform final road maintenance only when weather or soil moisture conditions are suitable for normal maintenance equipment operations as determined by the Authorized Officer.

If final maintenance is delayed after the date required in Subsection 3301 of this contract by adverse soil moisture or unsuitable equipment operating conditions, the Purchaser will be notified by the Authorized Officer when soil moisture and equipment operating conditions are suitable. The Purchaser shall then be required to complete final maintenance within 30 days.

OTHER MAINTENANCE - 3400

3401 - The Purchaser shall repair any damage to road surfaces that was specified under Subsections 3108 and 3108a. This repair includes restoring the roadway to the designed standard and replacement of surfacing with approved surface material. This repair is not limited to use of equipment specified in Subsection 3104.

3402 - The Purchaser shall be permitted to remove ice and snow from roads authorized for use under this contract only when prior written approval has been secured from the Authorized Officer. The Purchaser shall submit a written request for permission to remove ice and snow in advance of the date operations are to begin.

Upon receiving written authorization for ice and snow removal, the Purchaser will perform the work according to the conditions and equipment requirements set forth in the Authorization.

3403 - The Purchaser shall be required to furnish and apply non-saline water during dry hauling periods, when directed by the Authorized Officer, for the purpose of laying dust and to prevent loss of surface material. The first application of water shall be made at the rate of one-half gallon per yd² of road surface travelled. Subsequent applications shall be made for each 40 MBF of timber or 120 yds² of rock hauled. Subsequent waterings may be done at a rate less than one-half gallon per yd² when a specified lesser rate is approved by the Authorized Officer.

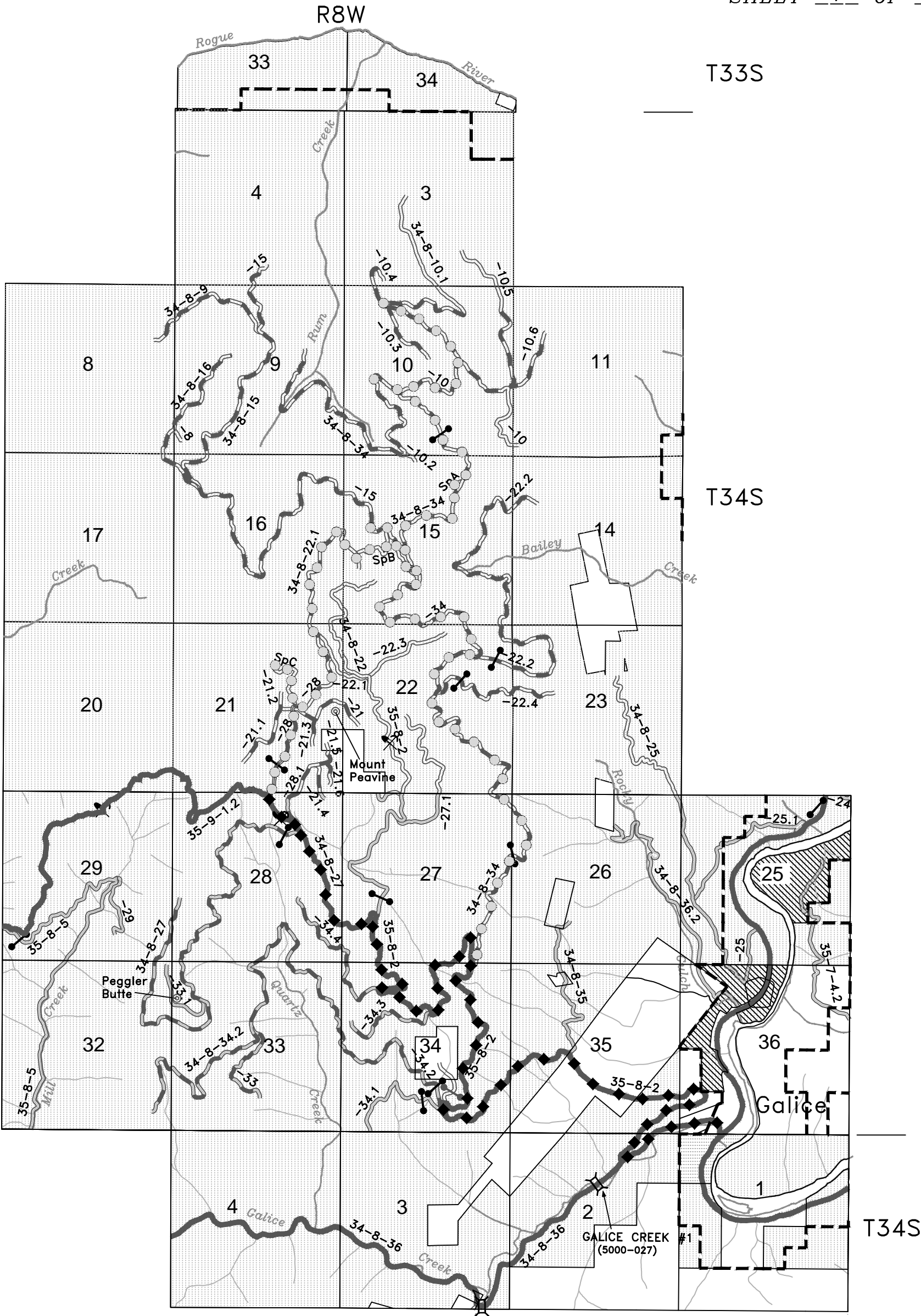
All haul roads shall be watered for entire length and/or as approved by the Authorized Officer.

3403a - During dry hauling conditions when watering is not required, the Purchaser shall reduce hauling speeds to 10 MPH and/or restrict the number of loads hauled to 4 per day in lieu of watering

3404 - The Purchaser may at his option and expense, substitute lignin sulfonate or bituminous magnesium chloride dust palliatives for water on any or all road segments listed in Subsection 3403 or 3403a provided that written approval is received from the Authorized Officer. Such authorization shall include approval of product specifications for the application of the product to be used. Multiple applications may be required to maintain the conditions specified in Subsection 3403.

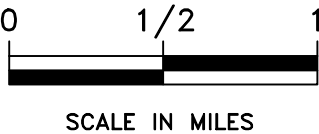
RUM CREEK TIMBER SALE

EXHIBIT D 2
SHEET 1 OF 1



LEGEND

- Purchaser Maintenance
- Existing Gate
- BLM Maintenance
- Rock Surface Road
- Natural Surface Road
- Paved Road
- Watershed Boundary
- BLM Lands



Township 34 South, Range 8 West



UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT MEDFORD DISTRICT MEDFORD, OREGON	
EXHIBIT D	
DESIGNED _____	
REVIEWED _____	
APPROVED _____	
DRAWN: JWR	SCALE: AS SHOWN
DATE: August 2006	SHEET 1 OF 1
DRAWING NO.	OR-117-06-28-D2

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

1. Road Use Fees - Amortization

R/W	Rd Use	Vol	Road Use
Number	Road Number	Fee x MBF	= Obligation

(1) Subtotal

2. BLM Maintenance - Timber Haul 1/ 2/ 3/ 4/ 5/

Hellgate Bridge Toll Fee \$0.66 per mbf.

Road Number	A Surf	Maint	Vol	Total
and Segment	N Type	Mi x Fee x	MBF =	Maint
34-8-27	A BST1	0.88 0.65	259	\$148.15
34-8-28	A BST1	0.33 0.65	259	\$55.56
35-8-2	A BST1	6.09 0.65	259	\$1025.25
35-8-2	A BST1	3.99 0.65	318	\$824.73
34-8-36	A BST1	0.72 0.65	577	\$270.04
Hellgate Bdrge	A BST1	0.88 0.65	577	\$330.04

(2.1) Subtotal \$2653.77

1/ Enter list of roads in Sec. 41(RC-2).

2/ Rockwear is included in fee as a maintenance cost for BLM maintained roads.

3/ Include lump sum logging damage repair (see Ex. D, Subsection 3108a Option F & 3401a).

3. BLM Maintenance - Rock Haul 1/ 2/ 3/

Road Number	A Surf	Maint	Vol	Total
and Segment	N Type	Mi x Fee x	C.Y. =	Maint

(3.1) Subtotal

1/ Enter list of roads in Section 41(RC-2).

2/ Rockwear is included in fee as a maintenance cost for BLM maintained roads.

3/ Include lump sum logging damage repair (See Ex. D, Subsection 3108a Option F & 3401a).

4. Third Party Maintenance and Rockwear - Timber Haul 1/

MAINTENANCE (4.1)						ROCKWEAR (4.2) 2/ 3/			
Road Number	A	Maint	Vol	Total		Rkwear	Vol	Total	
and Segment	N	Mi x Fee x	MBF =	Maint		Mi x Fee x	MBF =	Rkwear	

(4.1) Subtotal

(4.2) Subtotal

1/ Enter list of roads in Sec. 41(RC-2).

2/ Rockwear is included in fee as a maintenance cost for BLM maintained roads.

3/ Include lump sum logging damage repair (see Ex. D, Subsection 3108a Option F & 3401a).

5. Third Party Maintenance and Rockwear - Rock Haul 1/

MAINTENANCE (5.1)						ROCKWEAR (5.2) 2/ 3/			
Road Number	A	Maint	Vol	Total		Rkwear	Vol	Total	
and Segment	N	Mi x Fee x	C.Y. =	Maint		Mi x Fee x	C.Y. =	Rkwear	

(5.1) Subtotal

(5.2) Subtotal

1/ Enter list of roads in Sec. 41(RC-2).

2/ Rockwear is included in fee as a maintenance cost for BLM maintained roads.

3/ Include lump sum logging damage repair (see Ex. D, Subsection 3108a Option F & 3401a).

6. Other Maintenance Payments - USFS or Others Perform Maintenance

Agreement	Fee	Fee	Vol	Maint
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(6) Subtotal

7. Purchaser Maintenance - Rock Wear

TIMBER HAUL (7.1)

ROCK HAUL (7.2) 2/ 3/

Road No 1/ and Segment	A	RkWear	Vol	Total	Rkwear	Vol	Total
	N	Mi x Fee x	MBF =	RkWear	Mi x Fee x	C.Y.=	Rkwear
34-8-10	A	0.17 0.51	35	\$3.03			
34-8-10	A	0.56 0.51	16	\$4.57			
34-8-10.1	A	0.22 0.51	16	\$1.80			
34-8-15	A	0.22 0.51	52	\$5.83			
34-8-15	A	0.44 0.51	18	\$4.04			
34-8-22.1	A	1.09 0.51	20	\$11.12			
34-8-28	A	1.05 0.51	70	\$37.49			
34-8-28	A	0.60 0.51	190	\$58.14			
34-8-34	A	6.14 0.51	51	\$159.70			
34-8-34	A	6.03 0.51	69	\$212.20			
34-8-34	A	5.62 0.51	35	\$100.32			
34-8-34	A	5.25 0.51	51	\$136.55			
34-8-34	A	4.40 0.51	18	\$40.39			
34-8-34	A	4.12 0.51	44	\$92.45			
34-8-34	A	3.30 0.51	24	\$40.39			

(7.1) Subtotal \$908.02

(7.2) Subtotal \$0.00

- 1/ List all purchaser maintained roads and enter list in Section 41(RC-2a). Don't repeat any BLM maintained roads listed on appraisal. List may include new const. roads without fees.
 2/ All surfaced roads have a rockwear fee, except no rockwear fee is charged for rock haul on roads surfaced or resurfaced under this timber sale.
 3/ Include lump sum logging damage repair (See Ex. D, Subsection 3108a Option F & 3401a).

7. Purchaser Operational Maintenance

Cost allowances must be limited to work required under timber sale Exhibit D.
 If purchaser maint. such as dust control/damage repair is performed on BLM maint. roads, add appropriate mandatory Ex. D provisions, RC-2a and RC-2h stips. Note in prospectus.

7.3A Move In

Equipment 1/	No	Move	Cost/	Dist	Sub-
	Units	x in x	50 Mi x	Factor =	total
Motor Grader:	1	1	\$335.00	0.76	\$254.60
Back Hoe:			\$335.00	0.59	\$0.00
Loader:			\$335.00	0.59	\$0.00
Water Truck:			\$206.00	0.59	\$0.00
Dump Truck 2/:			\$214.00	0.59	\$0.00

(7.3A) Total \$254.60

- 1/ Equipment limited to that allowed in Exhibit D. Refer to Sch. 20 Table 2.
 2/ Dump truck is allowable for surface repair only.

7.3B Culvert Maintenance - Including Catchbasins and Downpipes 1/

Miles	x	Cost/Mi	=	Subtotal
292.45				\$0.00

(7.3B) Total \$0.00

- 1/ Does not include purchase or installation of culvert pipe. Refer to Sch. 20 Table 32.

7.3C Grading (Includes Ditches and Shoulders) 1/

Miles x Cost/Mi x Freq = Subtotal

Blade Road:	5.00	459.60	1	\$2298.00
Blade Ditch:	0.00	153.20	0	\$0.00

(7.3C) Total \$2298.00

1/ Watch for double allowance on roadway preparation for dust palliative application.

7.3D Slide and Slough removal, Slump Repair (15 sta-yds. ea.) 1/

Type	No Slides	Hours	Equip	
Equipment	/Slumps	x Each x	Cost	= Subtotal
Grader:	0	0	119.90	\$0.00
Loader:	0	0	84.43	\$0.00
Backhoe:	0	0	62.55	\$0.00

(7.3D) Total \$0.00

1/ Maximum haul is 15 sta. yds. Use grader or front end loader only. Dump truck not allowed in specifications. Refer to Sch. 20 Table 28.

7.3E Dust Palliative (Water) 1/

Spreading Hours

Miles	/ MPH	= Hours	x No Days	x Freq /Day	= Truck Hours
0.00	0		0	0	0.0

Load & Haul-Roundtrip = 0.0 0 0 0.0

Fixed Hours (3000 Gal. tanker)

Total Hours = 0.0

Truck Cost: \$82.33/Hr. x 0.0 Hours = \$0.00

(7.3E) Total \$0.00

1/ Allow water for all BLM maint. non-oiled roads. Subsection 3403 requires 0.50 gal/syd.

7.3F Surface Repair (Aggregate)

Production Cost: 1/	0 C.Y. x \$0.00/C.Y.	=	\$0.00
Haul to Stockpile:	0 C.Y. x \$2.18/C.Y. x 0.00 Mi	=	\$0.00
Stockpile:	0 C.Y. x \$1.18/C.Y.	=	\$0.00
Load from Stockpile:	0 C.Y. x \$1.30/C.Y.	=	\$0.00
Haul from Stockpile:	0 C.Y. x \$2.18/C.Y. x 0.00 Mi	=	\$0.00
Process with Grader:	0 C.Y. x \$1.00/C.Y.	=	\$0.00

(7.3F) Total \$0.00

1/ Use unit cost from Road Construction Cost Guide.

7.3G Dust Palliative (Bituminous, Lignin, Magnesium Chloride)

(7.3G) Total

7.3H Other

Fallen Timber Cutting: 1/	0.0 Hours x \$0.00/Hour	=	\$0.00
Brush Cutting/Tree Trimming: 2/	0.0 Hours x \$0.00/Hour	=	\$0.00
Oil/Asphalt Materials: 3/	Lump Sum	=	\$0.00
Signing for Dust Palliatives: 4/	Lump Sum	=	\$0.00
Misc. L.S.		=	\$0.00

(7.3H) Total \$0.00

1/ Exhibit D Subsection 3104.
2/ Exhibit D Subsection 3107.
3/ Exhibit D Subsection 3401a.
4/ Exhibit D Subsection 3405b.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Summary of All Roads and Projects

T.S. Update 04/15/10

T.S. Contract Name: Double Rum TS Sale Date: 8/2011

Prepared by: JRoper Ph: 6631 Print Date: 7/12/2011 8:49:44 AM

Construction: 0.00 sta (Surfaced 0.00 sta Natural 0.00 sta)

Improve: 0.00 sta Renov: 539.08 sta Decom: 0.00 sta Temp: 0.00 sta

200 Clearing and Grubbing: 0.0 acres	\$0.00
Clearing: 0.0 sta Grubbing: 0.0 acres	
Slash Treatment: 0.0 acres	
300 Excavation:	\$0.00
Haul: 0 sta-yds	
400 Drainage:	\$2,689.92
Culvert: 80 lf wt = 1,680 lbs factor = 1.2	
DownSpout: 0 lf	
PolyPipe: 0 lf	
500 Renovation:	\$2,863.71
Surfacing:	\$265.90
1200 Quarry Name: Peavine 10 cy	
1300 Geotextiles:	\$0.00
1400 Slope Protection:	\$0.00
1800 Soil Stabilization: 0.0 acres	\$0.00
1900 Cattleguards:	\$0.00
2100 RoadSide Brushing: 9.9 acres	\$2,746.89
2200 Surface Treatment: 0.0 tons	\$0.00
2300 Engineering: 0.00 sta.	\$0.00
2400 Minor Concrete:	\$0.00
2500 Gabions:	\$0.00
8000 Miscellaneous:	\$0.00
Mobilization: Const. \$1,984.10 Surf. \$0.00.....	\$1,984.10
Quarry Development:	\$0.00

Total: 577 mbf @ \$18.29/mbf = \$10,550.52

Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities are COMPACTED in place cubic yards.

File T:\GrantsPass_Engineering\Timber Sales\Rum Crk\RumCrk.mdb

ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Double Run TS Sale Date: 8/2011

Road Number: 34-8-10 Road Name: Smith Crk

Road Renovation: 0.56 mi 16 ft Subgrade 2 ft ditch

T.S. Update 04/15/10

200 Clearing and Grubbing: 0.0 acres	\$0.00
Clearing:0.0 sta Grubbing:0.0 acres	
Slash Treatment:0.0 acres	
300 Excavation:	\$0.00
400 Drainage:	\$0.00
Culvert: 0 lf wt = 0 lbs factor = 1.2	
DownSpout: 0 lf	
PolyPipe: 0 lf	
500 Renovation:	\$154.86
Surfacing:	\$0.00
1300 Geotextiles:	\$0.00
1400 Slope Protection:	\$0.00
1800 Soil Stabilization: 0.0 acres	\$0.00
1900 Cattleguards:	\$0.00
2100 RoadSide Brushing: 0.5 acres	\$117.06
2200 Surface Treatment: 0.0 tons	\$0.00
2300 Engineering: 0.00 sta.	\$0.00
2400 Minor Concrete:	\$0.00
2500 Gabions:	\$0.00
8000 Miscellaneous:	\$0.00
Mobilization: Const. \$62.98 Surf. \$0.00.....	\$62.98
Quarry Development:	\$0.00
Total:	\$334.90

Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities shown are COMPACTED in place cubic yards.

Road Construction Worksheet

Road Number: 34-8-10 Road Name: Smith Crk

Section 200 Clearing and Grubbing:

Subtotal: \$0.00

Section 300 Excavation:

Subtotal: \$0.00

Section 400 Drainage:

Subtotal: \$0.00

Section 500 Renovation:

Pull Ditches: \$153.20/mi x 0.40 mi = \$61.28

Clean Culverts: \$292.45/mi x 0.32 mi = \$93.58

Subtotal: \$154.86

Surfacing:

Subtotal: \$0.00

Section 1300 Geotextiles:

Subtotal: \$0.00

Section 1400 Slope Protection:

Subtotal: \$0.00

Section 1800 Soil Stabilization:

Subtotal: \$0.00

Section 1900 Cattleguards:

Subtotal: \$0.00

Section 2100 Roadside Brushing:

Brushing width Left: 4ft. Right: 4ft.

RoadSide Brushing Light: \$234.11/acre x 0.50 acres = \$117.06

Subtotal: \$117.06

Section 2200 Surface Treatment:

Subtotal: \$0.00

Section 2300 Engineering:

Subtotal: \$0.00

Section 2400 Minor Concrete:

Subtotal: \$0.00

Section 2500 Gabions:

Subtotal: \$0.00

Section 8000 Miscellaneous:

Subtotal: \$0.00

Mobilization:

Construction - 3.17% of total Costs = \$62.98

Surfacing - 0.00% by rock volume = \$0.00

Subtotal: \$62.98

Quarry Development:

Based on 0.00% of total rock volume

Subtotal: \$0.00

Road Number: 34-8-10 Smith Crk Continued

Total: \$334.90

ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Double Rum TS Sale Date: 8/2011

Road Number: 34-8-10.1 Road Name: Smith Ck Sp

Road Renovation: 0.60 mi 14 ft Subgrade ft ditch

T.S. Update 04/15/10

200 Clearing and Grubbing: 0.0 acres	\$0.00
Clearing:0.0 sta Grubbing:0.0 acres	
Slash Treatment:0.0 acres	
300 Excavation:	\$0.00
400 Drainage:	\$0.00
Culvert: 0 lf wt = 0 lbs factor = 1.2	
DownSpout: 0 lf	
PolyPipe: 0 lf	
500 Renovation:	\$0.00
Surfacing:	\$0.00
1300 Geotextiles:	\$0.00
1400 Slope Protection:	\$0.00
1800 Soil Stabilization: 0.0 acres	\$0.00
1900 Cattleguards:	\$0.00
2100 RoadSide Brushing: 0.6 acres	\$140.47
2200 Surface Treatment: 0.0 tons	\$0.00
2300 Engineering: 0.00 sta.	\$0.00
2400 Minor Concrete:	\$0.00
2500 Gabions:	\$0.00
8000 Miscellaneous:	\$0.00
Mobilization: Const. \$32.53 Surf. \$0.00.....	\$32.53
Quarry Development:	\$0.00
Total:	\$173.00

Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities shown are COMPACTED in place cubic yards.

Road Construction Worksheet

Road Number: 34-8-10.1 Road Name: Smith Ck Sp

Section 200 Clearing and Grubbing:

Subtotal: \$0.00

Section 300 Excavation:

Subtotal: \$0.00

Section 400 Drainage:

Subtotal: \$0.00

Section 500 Renovation:

Subtotal: \$0.00

Surfacing:

Subtotal: \$0.00

Section 1300 Geotextiles:

Subtotal: \$0.00

Section 1400 Slope Protection:

Subtotal: \$0.00

Section 1800 Soil Stabilization:

Subtotal: \$0.00

Section 1900 Cattleguards:

Subtotal: \$0.00

Section 2100 Roadside Brushing:

Brushing width Left: 4ft. Right: 4ft.

RoadSide Brushing Light: \$234.11/acre x 0.60 acres = \$140.47

Subtotal: \$140.47

Section 2200 Surface Treatment:

Subtotal: \$0.00

Section 2300 Engineering:

Subtotal: \$0.00

Section 2400 Minor Concrete:

Subtotal: \$0.00

Section 2500 Gabions:

Subtotal: \$0.00

Section 8000 Miscellaneous:

Subtotal: \$0.00

Mobilization:

Construction - 1.64% of total Costs = \$32.53

Surfacing - 0.00% by rock volume = \$0.00

Subtotal: \$32.53

Quarry Development:

Based on 0.00% of total rock volume

Subtotal: \$0.00

Total: \$173.00

ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Double Rum TS Sale Date: 8/2011

Road Number: 34-8-15 Road Name: W Rum Ck

Road Renovation: 0.44 mi 16 ft Subgrade 2 ft ditch

T.S. Update 04/15/10

200 Clearing and Grubbing: 0.0 acres	\$0.00
Clearing:0.0 sta Grubbing:0.0 acres	
Slash Treatment:0.0 acres	
300 Excavation:	\$0.00
400 Drainage:	\$0.00
Culvert: 0 lf wt = 0 lbs factor = 1.2	
DownSpout: 0 lf	
PolyPipe: 0 lf	
500 Renovation:	\$58.49
Surfacing:	\$0.00
1300 Geotextiles:	\$0.00
1400 Slope Protection:	\$0.00
1800 Soil Stabilization: 0.0 acres	\$0.00
1900 Cattleguards:	\$0.00
2100 RoadSide Brushing: 0.4 acres	\$93.64
2200 Surface Treatment: 0.0 tons	\$0.00
2300 Engineering: 0.00 sta.	\$0.00
2400 Minor Concrete:	\$0.00
2500 Gabions:	\$0.00
8000 Miscellaneous:	\$0.00
Mobilization: Const. \$35.24 Surf. \$0.00.....	\$35.24
Quarry Development:	\$0.00
Total:	\$187.37

Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities shown are COMPACTED in place cubic yards.

Road Construction Worksheet

Road Number: 34-8-15 Road Name: W Rum Ck

Section 200 Clearing and Grubbing:

Subtotal: \$0.00

Section 300 Excavation:

Subtotal: \$0.00

Section 400 Drainage:

Subtotal: \$0.00

Section 500 Renovation:

Clean Culverts: \$292.45/mi x 0.20 mi = \$58.49

Subtotal: \$58.49

Surfacing:

Subtotal: \$0.00

Section 1300 Geotextiles:

Subtotal: \$0.00

Section 1400 Slope Protection:

Subtotal: \$0.00

Section 1800 Soil Stabilization:

Subtotal: \$0.00

Section 1900 Cattleguards:

Subtotal: \$0.00

Section 2100 Roadside Brushing:

Brushing width Left: 4ft. Right: 4ft.

RoadSide Brushing Light: \$234.11/acre x 0.40 acres = \$93.64

Subtotal: \$93.64

Section 2200 Surface Treatment:

Subtotal: \$0.00

Section 2300 Engineering:

Subtotal: \$0.00

Section 2400 Minor Concrete:

Subtotal: \$0.00

Section 2500 Gabions:

Subtotal: \$0.00

Section 8000 Miscellaneous:

Subtotal: \$0.00

Mobilization:

Construction - 1.78% of total Costs = \$35.24

Surfacing - 0.00% by rock volume = \$0.00

Subtotal: \$35.24

Quarry Development:

Based on 0.00% of total rock volume

Subtotal: \$0.00

Total: \$187.37

ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Double Rum TS Sale Date: 8/2011

Road Number: 34-8-22.1 Road Name: North Ridge

Road Renovation: 1.09 mi 16 ft Subgrade 2 ft ditch

T.S. Update 04/15/10

200 Clearing and Grubbing: 0.0 acres	\$0.00
Clearing:0.0 sta Grubbing:0.0 acres	
Slash Treatment:0.0 acres	
300 Excavation:	\$0.00
400 Drainage:	\$0.00
Culvert: 0 lf wt = 0 lbs factor = 1.2	
DownSpout: 0 lf	
PolyPipe: 0 lf	
500 Renovation:	\$0.00
Surfacing:	\$0.00
1300 Geotextiles:	\$0.00
1400 Slope Protection:	\$0.00
1800 Soil Stabilization: 0.0 acres	\$0.00
1900 Cattleguards:	\$0.00
2100 RoadSide Brushing: 1.1 acres	\$686.72
2200 Surface Treatment: 0.0 tons	\$0.00
2300 Engineering: 0.00 sta.	\$0.00
2400 Minor Concrete:	\$0.00
2500 Gabions:	\$0.00
8000 Miscellaneous:	\$0.00
Mobilization: Const. \$159.05 Surf. \$0.00.....	\$159.05
Quarry Development:	\$0.00
Total:	\$845.77

Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities shown are COMPACTED in place cubic yards.

Road Construction Worksheet

Road Number: 34-8-22.1 Road Name: North Ridge

Section 200 Clearing and Grubbing:

Subtotal: \$0.00

Section 300 Excavation:

Subtotal: \$0.00

Section 400 Drainage:

Subtotal: \$0.00

Section 500 Renovation:

Subtotal: \$0.00

Surfacing:

Subtotal: \$0.00

Section 1300 Geotextiles:

Subtotal: \$0.00

Section 1400 Slope Protection:

Subtotal: \$0.00

Section 1800 Soil Stabilization:

Subtotal: \$0.00

Section 1900 Cattleguards:

Subtotal: \$0.00

Section 2100 Roadside Brushing:

Brushing width Left: 4ft. Right: 4ft.

RoadSide Brushing Heavy: \$624.29/acre x 1.10 acres = \$686.72

Subtotal: \$686.72

Section 2200 Surface Treatment:

Subtotal: \$0.00

Section 2300 Engineering:

Subtotal: \$0.00

Section 2400 Minor Concrete:

Subtotal: \$0.00

Section 2500 Gabions:

Subtotal: \$0.00

Section 8000 Miscellaneous:

Subtotal: \$0.00

Mobilization:

Construction - 8.02% of total Costs = \$159.05

Surfacing - 0.00% by rock volume = \$0.00

Subtotal: \$159.05

Quarry Development:

Based on 0.00% of total rock volume

Subtotal: \$0.00

Total: \$845.77

ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Double Run TS Sale Date: 8/2011

Road Number: 34-8-28 Road Name: Mt Peavine

Road Renovation: 1.38 mi 16 ft Subgrade 2 ft ditch

T.S. Update 04/15/10

200 Clearing and Grubbing: 0.0 acres	\$0.00
Clearing:0.0 sta Grubbing:0.0 acres	
Slash Treatment:0.0 acres	
300 Excavation:	\$0.00
400 Drainage:	\$0.00
Culvert: 0 lf wt = 0 lbs factor = 1.2	
DownSpout: 0 lf	
PolyPipe: 0 lf	
500 Renovation:	\$129.66
Surfacing:	\$0.00
1300 Geotextiles:	\$0.00
1400 Slope Protection:	\$0.00
1800 Soil Stabilization: 0.0 acres	\$0.00
1900 Cattleguards:	\$0.00
2100 RoadSide Brushing: 1.3 acres	\$304.34
2200 Surface Treatment: 0.0 tons	\$0.00
2300 Engineering: 0.00 sta.	\$0.00
2400 Minor Concrete:	\$0.00
2500 Gabions:	\$0.00
8000 Miscellaneous:	\$0.00
Mobilization: Const. \$100.52 Surf. \$0.00.....	\$100.52
Quarry Development:	\$0.00
Total:	\$534.52

Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities shown are COMPACTED in place cubic yards.

Road Construction Worksheet

Road Number: 34-8-28 Road Name: Mt Peavine

Section 200 Clearing and Grubbing:

Subtotal: \$0.00

Section 300 Excavation:

Subtotal: \$0.00

Section 400 Drainage:

Subtotal: \$0.00

Section 500 Renovation:

Pull Ditches: \$153.20/mi x 0.35 mi = \$53.62

Clean Culverts: \$292.45/mi x 0.26 mi = \$76.04

Subtotal: \$129.66

Surfacing:

Subtotal: \$0.00

Section 1300 Geotextiles:

Subtotal: \$0.00

Section 1400 Slope Protection:

Subtotal: \$0.00

Section 1800 Soil Stabilization:

Subtotal: \$0.00

Section 1900 Cattleguards:

Subtotal: \$0.00

Section 2100 Roadside Brushing:

Brushing width Left: 4ft. Right: 4ft.

RoadSide Brushing Light: \$234.11/acre x 1.30 acres = \$304.34

Subtotal: \$304.34

Section 2200 Surface Treatment:

Subtotal: \$0.00

Section 2300 Engineering:

Subtotal: \$0.00

Section 2400 Minor Concrete:

Subtotal: \$0.00

Section 2500 Gabions:

Subtotal: \$0.00

Section 8000 Miscellaneous:

Subtotal: \$0.00

Mobilization:

Construction - 5.07% of total Costs = \$100.52

Surfacing - 0.00% by rock volume = \$0.00

Subtotal: \$100.52

Quarry Development:

Based on 0.00% of total rock volume

Subtotal: \$0.00

Road Number: 34-8-28 Mt Peavine Continued

Total: \$534.52

ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Double Rum TS Sale Date: 8/2011

Road Number: 34-8-34 Road Name: Rum Ck

Road Renovation: 6.14 mi 16 ft Subgrade 2 ft ditch

T.S. Update 04/15/10

200 Clearing and Grubbing: 0.0 acres	\$0.00
Clearing:0.0 sta Grubbing:0.0 acres	
Slash Treatment:0.0 acres	
300 Excavation:	\$0.00
400 Drainage:	\$2,689.92
Culvert: 80 lf wt = 1,680 lbs factor = 1.2	
DownSpout: 0 lf	
PolyPipe: 0 lf	
500 Renovation:	\$2,520.70
Surfacing:	\$265.90
1200 Quarry Name: Peavine 10 cy	
1300 Geotextiles:	\$0.00
1400 Slope Protection:	\$0.00
1800 Soil Stabilization: 0.0 acres	\$0.00
1900 Cattleguards:	\$0.00
2100 RoadSide Brushing: 6.0 acres	\$1,404.66
2200 Surface Treatment: 0.0 tons	\$0.00
2300 Engineering: 0.00 sta.	\$0.00
2400 Minor Concrete:	\$0.00
2500 Gabions:	\$0.00
8000 Miscellaneous:	\$0.00
Mobilization: Const. \$1,593.78 Surf. \$0.00.....	\$1,593.78
Quarry Development:	\$0.00
Total:	\$8,474.96

Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities shown are COMPACTED in place cubic yards.

Road Construction Worksheet

Road Number: 34-8-34 Road Name: Rum Ck

Section 200 Clearing and Grubbing:

Subtotal: \$0.00

Section 300 Excavation:

Subtotal: \$0.00

Section 400 Drainage:

Galvanized 18 inch 14 ga 80 lf x \$28.02/lf x 1.2 = \$2,689.92

Subtotal: \$2,689.92

Section 500 Renovation:

Pull Ditches: \$153.20/mi x 5.00 mi = \$766.00

Clean Culverts: \$292.45/mi x 6.00 mi = \$1,754.70

Subtotal: \$2,520.70

Section 1200 Crushed under 1 1/2 Quarry Name: Peavine

<u>Length</u>	<u>TopW</u>	<u>BotW</u>	<u>Depth</u>	<u>CWid</u>	<u>#TOs</u>	<u>Width</u>	<u>F.W.L</u>	<u>Taper</u>	<u>Other</u>
									10cy

Rock Volume = 10cy

Production: \$9.08/cy x 10cy = \$90.80

Processing: \$1.23/cy x 10cy = \$12.30

Compaction: \$1.00/cy x 10cy = \$10.00

Basic Rock Haul cost: \$0.87/cy x 10cy = \$8.70

Rock Haul +15% grades: \$2.62/cy-mi x 10cy x 5.50 mi= \$144.10

Subtotal: \$265.90

Section 1300 Geotextiles:

Subtotal: \$0.00

Section 1400 Slope Protection:

Subtotal: \$0.00

Section 1800 Soil Stabilization:

Subtotal: \$0.00

Section 1900 Cattleguards:

Subtotal: \$0.00

Section 2100 Roadside Brushing:

Brushing width Left: 4ft. Right: 4ft.

RoadSide Brushing Light: \$234.11/acre x 6.00 acres = \$1,404.66

Subtotal: \$1,404.66

Section 2200 Surface Treatment:

Subtotal: \$0.00

Section 2300 Engineering:

Subtotal: \$0.00

Section 2400 Minor Concrete:

Subtotal: \$0.00

Section 2500 Gabions:

Subtotal: \$0.00

Section 8000 Miscellaneous:

Subtotal: \$0.00

Road Number: 34-8-34 Rum Ck Continued

Mobilization:

Construction - 80.33% of total Costs = \$1,593.78

Surfacing - 100.00% by rock volume = \$0.00

Subtotal: \$1,593.78

Quarry Development:

Based on 100.00% of total rock volume

Subtotal: \$0.00

Total: \$8,474.96

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Mobilization Costs - Construction and Surfacing

T.S. Contract Name: Double Rum TS Sale Date: 8/2011

Average Mobilization distance = 50 miles Factor = 1.00

Mobilization: Construction

Graders-all: 1 ea x (1.00 x \$335.00/ea + 35 mi x \$11.99/mi)= \$754.65

Brush Cutter: 1 ea x (1.00 x \$335.00/ea) = \$335.00

RTBackhoes 24/30: 1 ea x (1.00 x \$335.00/ea + 35 mi x \$5.58/mi)= \$530.30

Dump Truck >10cy: 1 ea x (1.00 x \$214.00/ea + 35 mi x \$4.29/mi)= \$364.15

Subtotal: \$1,984.10

Mobilization: Surfacing

Subtotal: \$0.00

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Summary of Construction Quantities

T.S. Contract Name: Double Rum TS Sale Date: 8/2011

Road Number	Const	Improv	Renov	Decomm	Temp
34-8-10			29.57		
34-8-10.1			31.68		
34-8-15			23.23		
34-8-22.1			57.55		
34-8-28			72.86		
34-8-34			324.19		

Total Sta:			539.08		
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200 Clearing and Grubbing		Clearing stations	Grubbing acres	Slash acres
	Totals:	0.00	0.0	0.0

300 Excavation		Excav C.Y.s	Haul sta-yds
	Totals:	0	0

400 Drainage			
34-8-34	Galvanized	18 inch 14 ga	80 lf

500 Renovation		Miles	Slide cy
	Totals:	0.00	0

Surfacing (Cubic Yards)

Quarry Name: Peavine				
1200 Crushed under 1 1/2		Roadway	Turnouts	Other
34-8-34		0	0	10
	Totals:	0	0	10

1300 Geotextiles	
	Totals: No Quantities

1400 Slope Protection	
	Totals: 0

1800 Soil stabilization - acres		Dry W/O Mulch	Dry/with Mulch	Hydro Mulch
	Totals:	0.0	0.0	0.0

Continuation of Construction Quantities

1900 Cattleguards

Totals: No Quantities

2100 RoadSide Brushing

acres

34-8-10

0.5

34-8-10.1

0.6

34-8-15

0.4

34-8-22.1

1.1

34-8-28

1.3

34-8-34

6.0

Totals:

9.9

2200 Surface Treatment

tons

L.F.

Totals: No Quantities

2300 Engineering

stations

Totals:

0.00

2400 Minor Concrete

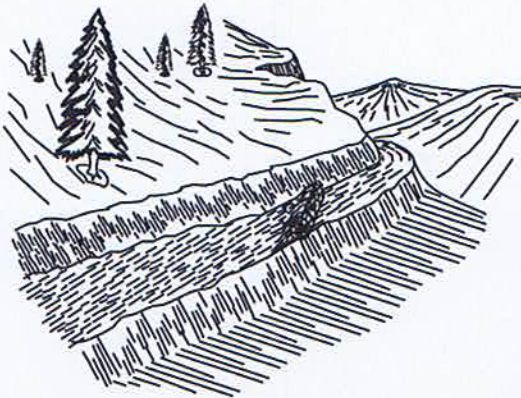
Totals: No Quantities

2500 Gabions

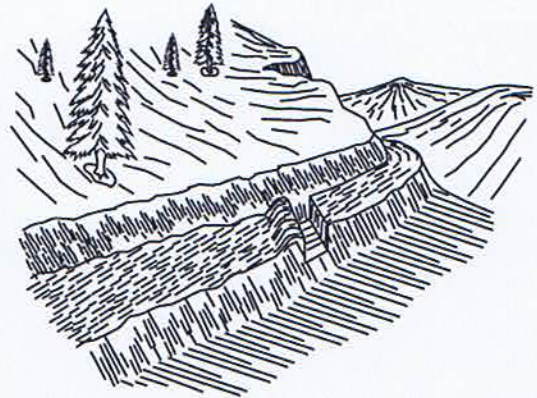
Totals: No Quantities

8000 Miscellaneous

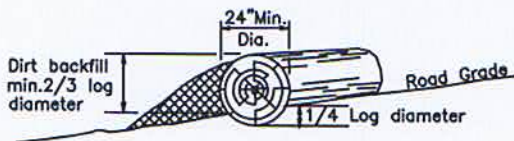
Totals: No Quantities



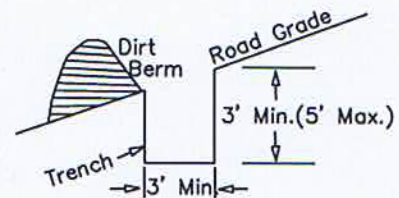
LOG BARRICADE



TRENCH BARRICADE (Optional)



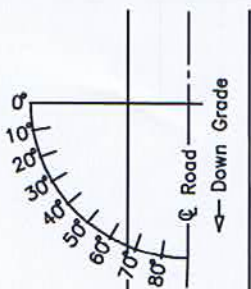
1. LOG BARRICADE SHALL BE CONSTRUCTED AS SHOWN ABOVE.
2. EXACT LOCATION WILL BE FLAGGED BY THE AUTHORIZED OFFICER PRIOR TO CONSTRUCTION.
3. ALL BARRICADES SHALL BE SKEWED 30 DEGREES.
4. THE LENGTH SHALL BE SUFFICIENT TO EXTEND FROM THE CUT BANK TO THE FILL SLOPE.
5. THE MINIMUM SMALL END DIAMETER OF THE LOG BARRICADE SHALL BE 24".



1. BARRICADE LENGTH SHALL EXTEND ACROSS THE ENTIRE ROAD SURFACE TO A POINT SUFFICIENT TO PROHIBIT MOTOR VEHICLE TRAFFIC.
2. THE EXACT LOCATION SHALL BE AS STAKED IN THE FIELD.
3. THE BARRICADE SHALL BE SKEWED AS NEEDED TO DRAIN OR AS DIRECTED BY THE AUTHORIZED OFFICERS REPRESENTATIVE.

Note: Trench barricade may be installed if log minimum dimensions are not readily available.

SKEW DIAGRAM



**SPECIAL PROVISIONS TO CONTROL THE SPREAD OF
PORT-ORFORD CEDAR ROOT DISEASE**

A. VEHICLE AND EQUIPMENT CLEANING:

1. Cleaning shall consist of the removal of soil by washing with a high pressure hose or steam cleaning. Vehicles and equipment shall be cleaned and inspected at washing stations as shown on Exhibit A, or at other locations designated by the Authorized Officer. Washing at project site will require that water is treated with Clorox® bleach at a ratio of 1 gallon bleach to 1,000 gallons water. Water source for site washing is shown on Exhibit A, or at other locations designated by the Authorized Officer.
2. All equipment parts shall be cleaned as designated by the Authorized Officer. For equipment cleaning checklist see page 2 of this exhibit.

B. OPERATIONS:

1. Seasonal Restriction. All road construction and log hauling operations and the transportation of personnel and equipment shall be limited to dry periods during the dry season, as designated by the Authorized Officer, unless prior to entering uninfested areas or prior to leaving infested areas, all vehicles and equipment are cleaned in accordance with Sections A.1. and A.2. above. An exception will be made for the transportation of personnel if all vehicles are confined to operating on bituminous or gravel-surfaced roads and stay on the designated surfacing at all times. The Authorized Officer will designate access routes and areas for parking vehicles.
2. Cleaning of Project Equipment. All project equipment that comes into contact with soils, as designated by the Authorized Officer, shall be cleaned prior to entering uninfested areas or prior to leaving infested areas in accordance with Sections A.1. and A.2. above.
3. Water for Non-Washing Use. Water for roadwork, dust abatement, or fire prevention will be approved by the Authorized Officer and shall be from uninfested water sources or shall be treated with Clorox®.

Equipment Cleaning Checklist

This checklist (for optional use) is referenced in the Washing Project Equipment management practice.

The purpose of this checklist is to provide guidance in the cleaning of equipment, as stipulated in contracts, to control or prevent the spread of noxious weeds and PL. The checklist directs attention to specific areas on equipment that are likely to accumulate soil and organic material.

Questions to ask about overall equipment cleanliness are:

- 1) Does the equipment appear to have been cleaned?
- 2) Is the equipment clean of clumps of soil and organic matter?

Rubber-Tired Vehicles

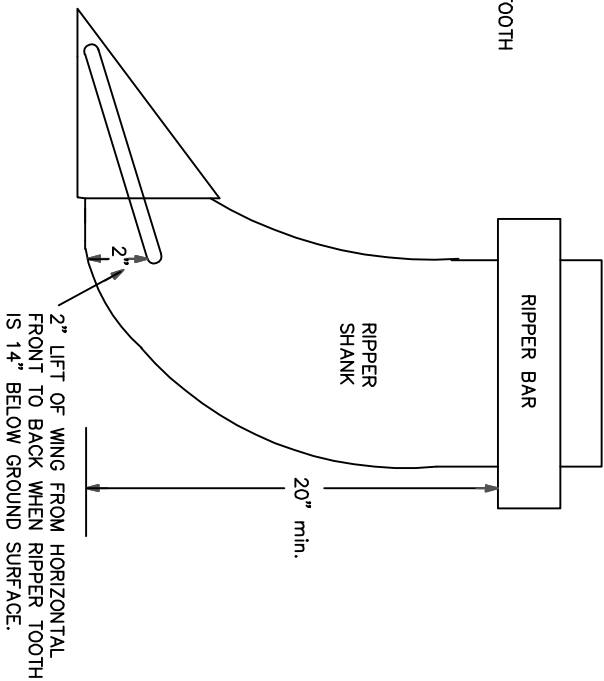
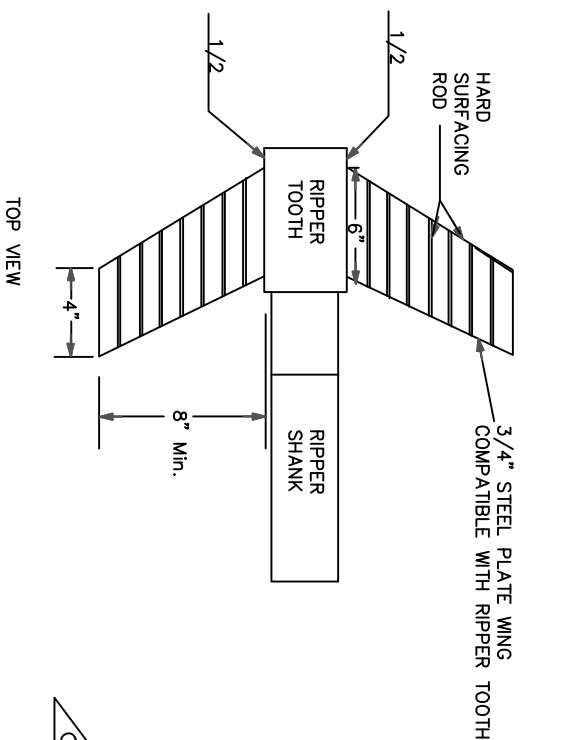
- Tires
- Wheel rims (underside and outside)
- Axles
- Fenders/wheel wells/trim
- Bumpers

Track-Laying Vehicles

- Tracks
- Road wheels
- Drive gears
- Sprockets
- Roller frame
- Track rollers/idlers

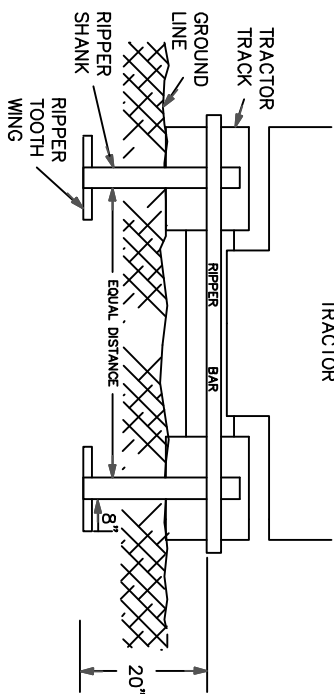
All Vehicles

- Frame
- Belly pan (inside)
- Stabilizers (jack pads)
- Grapple and arms
- Dozer blade or bucket and arms
- Ripper
- Brush rake
- Winch
- Shear head
- Log loader
- Water tenders (empty or with treated water)
- Trailers (low-boys)
- Radiator/grill
- Air filter/pre-cleaner
- Struts/springs/shocks
- Body seams



SIDE VIEW

TYPICAL RIPPER POSITION

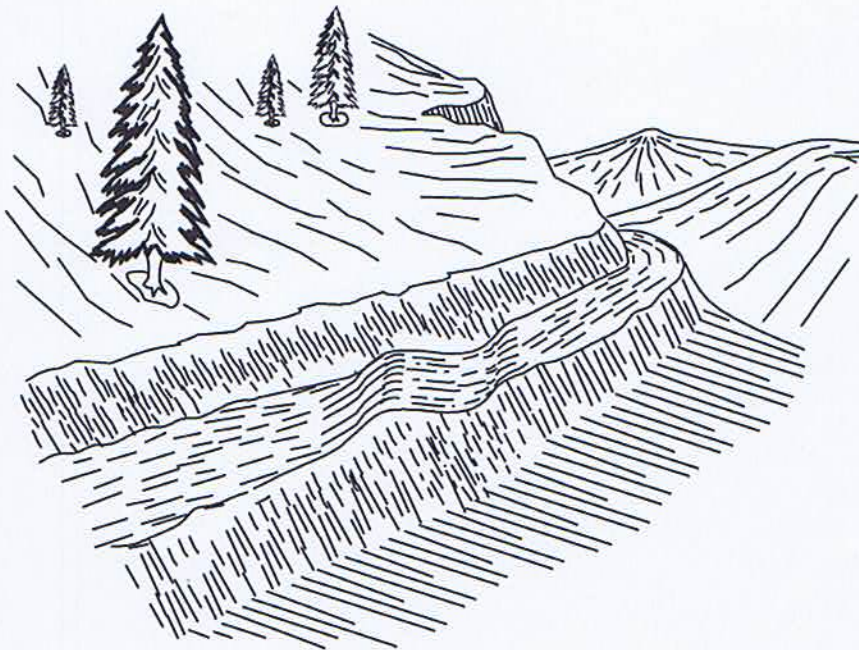
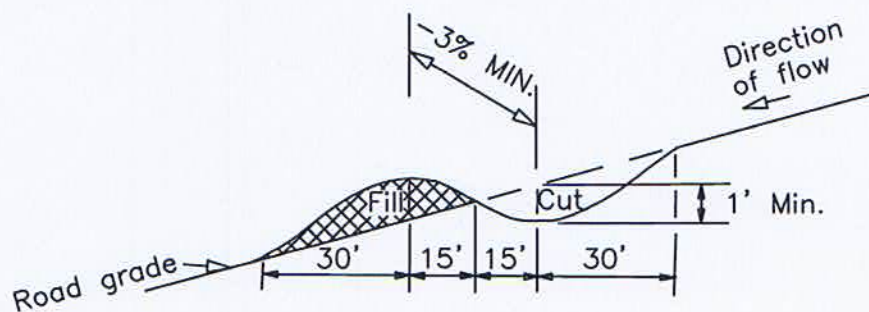


- NOTES: TYPICAL RIPPER TOOTH CONSTRUCTION
1. USE HARD SURFACING ROD FOR ALL EDGE AND SURFACE REINFORCEMENT.
 2. WELD THAT ATTATCHES WINGS TO RIPPER TEETH MUST BE COMPATIBLE WITH METAL IN TEETH AND WINGS.
 3. RIPPER SHANKS AND RIPPER TEETH MAY BE NEW OR USED.
 4. WINGS SHALL PROVIDE TWO (2) INCHES OF LIFT FROM THE HORIZONTAL WHEN TEETH ARE EXTENDED FOURTEEN (14) INCHES BELOW THE GROUND SURFACE.

WING RIPPER DETAIL

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
ASHLAND RESOURCE AREA MEDFORD DISTRICT

DESIGNED	
REVIEWED	
APPROVED	
CHIEF, DIVISION OF ENGINEERING OR DISTRICT ENGINEER	
DRAWN: JWR	SCALE: NONE
DATE: October 2009	SHEET 1 OF 1
DRAWING NO.	

WATER BAR

1. WATER BARS SHALL BE CONSTRUCTED AS SHOWN ABOVE.
2. EXACT LOCATION WILL BE FLAGGED BY THE AUTHORIZED OFFICER PRIOR TO CONSTRUCTION.
3. ALL WATER BARS SHALL BE SKEWED 30 DEGREES.
4. THE LENGTH SHALL BE SUFFICIENT TO EXTEND FROM THE CUT BANK TO THE FILL SLOPE.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

DEPOSIT AND BID FOR ☒ **TIMBER***
☐ **VEGETATIVE RESOURCE**
(Other Than Timber)

LUMP SUM SALE

Name of Bidder
Tract Number OR110-TS11-03
Sale Name Double Rum TS
Sale Notice (dated) 07/27/2011
BLM District Medford

<input type="checkbox"/> Sealed Bid for Sealed Bid Sale	<input checked="" type="checkbox"/> Written Bid for Oral Auction Sale
---	---

In response to the above dated Sale Notice, the required deposit and bid are hereby submitted for the purchase of designated timber/vegetative resource on the tract specified above.

Required bid deposited is **\$6,400.00** - - - - - and is enclosed in the form of ☐ cash ☐ money order ☐ bank draft
☐ cashier's check ☐ certified check ☐ bid bond of corporate surety on approved list of the United States Treasury
☐ guaranteed remittance approved by the authorized officer.

IT IS AGREED That the bid deposit shall be retained by the United States as liquidated damages if the bid is accepted and the undersigned fails to execute and return the contract, together with any required performance bond and any required payment within 30 days after the contract is received by the successful bidder. It is understood that no bid for less than the appraised price on a unit basis per species will be considered. If the bid is rejected the deposit will be returned.

BID SCHEDULE – LUMP SUM SALE

NOTE: Bidders should carefully check computations in completing the Bid Schedule

BID SUBMITTED					ORAL BID MADE	
PRODUCT SPECIES	UNIT	ESTIMATED VOLUME OR QUANTITY	UNIT PRICE	TOTAL VALUE	UNIT PRICE	TOTAL VALUE
Douglas-fir	MBF	533	X	=	X	=
White fir	MBF	34	X	=	X	=
Ponderosa pine	MBF	10	X	=	X	=
			X	=	X	=
Total		577	X	=	X	=
			X	=	X	=
			X	=	X	=
			X	=	X	=
			X	=	X	=
			X	=	X	=
			X	=	X	=
			X	=	X	=
			X	=	X	=
			X	=	X	=
			X	=	X	=
			X	=	X	=
			X	=	X	=
TOTAL PURCHASE PRICE						

(Continued on reverse)

If sale contract is executed, undersigned is liable for total purchase price even though the quantity cut, removed, or designated for taking is more or less than the total estimated volume or quantity shown above. Undersigned certifies bid was arrived at by bidder or offeror independently, and was tendered without collusion with any other bidder or offeror. In submitting or confirming this bid, undersigned agrees to the foregoing provisions, applicable regulations, and certifies that he is authorized to act as, or on behalf of, the bidder.

Bid submitted on *(date)*

(Check appropriate box, sign in ink, and complete the following)

<input type="checkbox"/>	Signature, if firm is individually owned	Name of firm <i>(type or print)</i>
<input type="checkbox"/>	Signatures, if firm is a partnership or L.L.C.	Business address, include zip code <i>(type or print)</i>
<input type="checkbox"/>	Corporation organized under the state laws of	<i>(To be completed following oral bidding)</i>
Signature of Authorized Corporate Signing Officer		I HEREBY confirm the above oral bid By <i>(signature)</i>
Title		Date
Submit bid, in <i>duplicate</i> , to qualify for either an oral auction or sealed bid sale together with the required bid deposit made payable to the Department of the Interior – BLM.		Sealed Bid – Send to District Manager, who issued the sale notice, in a sealed envelope marked on the outside: (1) “Bid for Timber” (2) Vegetative Resource Other Than Timber (3) Time bids are to be opened (4) Legal description
Oral Auction – Submit to Sales Supervisor prior to closing of qualifying period for tract.		

NOTICE

The Privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 38 FR 6280 and 43 CFR 5442.1

PURPOSE: To qualify an oral auction bidder, and then if successful, to bind bidder to certain contract conditions.

ROUTINE USE: To determine that an individual is qualified to participate in oral auction bidding, and, as surety that bidder will fulfill contract requirements.

EFFECT OF NOT PROVIDING INFORMATION: Filing this deposit and bid information is necessary only when an individual wishes to participate in a sealed or auction bid sale for timber or vegetative resources.

INSTRUCTIONS TO BIDDERS

1. **AUTHORITY** – Timber located on the revested Oregon and California Railroad Grant Lands and on the reconveyed Coos Bay Wagon Road Grant Lands is administered and sold pursuant to authority of the Act of August 28, 1937 (50 Stat. 874; 43 U.S.C. 1181a); timber located on other lands and other vegetative resources on all public lands of the United States under jurisdiction of the Bureau of Land Management are administered and sold pursuant to authority of the Act of July 31, 1947 (61 Stat. 681), as amended, by the Act of July 23, 1955 (69 Stat. 367; 30 U.S.C. 601 et. seq.). Regulations of the Secretary of the Interior governing sale of timber are codified in 43 CFR Group 5400.

2. **QUALIFICATIONS OF BIDDERS** – A bidder for sale of timber/vegetative resources must be either (a) a citizen of the United States, (b) a partnership composed wholly of such citizens, (c) an unincorporated association composed wholly of such citizens, or (d) a corporation authorized to transact business in the State in which the timber/vegetative resource is located.

3. **INSPECTION OF TIMBER/VEGETATIVE RESOURCES** – Bidder is invited, urged, and cautioned to inspect the timber/vegetative resource prior to submitting a bid. By executing the timber/vegetative resource sale contract, bidder warrants that the contract is accepted on the basis of his examination and inspection of the timber/vegetative resource and his opinion of its value.

4. **DISCLAIMER OF WARRANTY** – Government expressly disclaims any warranty of the fitness of the designated timber/vegetative resource for any purpose of the bidder; all timber/vegetative resources are to be sold “As Is” without any warranty of merchantability by Government. Any warranty as to the quantity or quality of timber/vegetative resource to be sold is expressly disclaimed by Government.

5. **BIDS** – Sealed or written bids for not less than the advertised appraised price, per timber/vegetative resource must be submitted in duplicate to the District Manager who issued *Timber/Vegetative Resource Sale Notice*.

(a) **Sealed Bid Sales** – Bids will be received until time for opening which is set out in the Notice. Enclose both copies of bid with required bid deposit in a sealed envelope marked on the outside *Bid for Timber/Vegetative Resource*, time bid is to be opened, tract number, and legal description of land on which timber/vegetative resource is located. In event of a tie, the high bidder shall be determined by lot from among those who submitted the tie bids.

(b) **Auction Sales** – Submission of the required bid deposit and a written bid is required to qualify for oral bidding. Oral bidding shall begin from the highest written bid. No oral bid will be considered which is not higher than the preceding bid. In the event there is a tie in high written bids, and no oral bidding occurs, the bidder who was the first to submit his bid deposit and written bid shall be declared the high bidder. If the officer conducting the sale cannot determine who made the first submission of high tie written bids, the high bidder shall be determined by lot. High bidder must confirm his bid, in writing, immediately upon being declared high bidder.

(c) Except as otherwise provided in 43 CFR 5442.2, bids will not be considered in resale of timber/vegetative resource remaining from an uncompleted contract from any person or affiliate of such person who failed to complete the original contract because of (1) cancellation for the purchaser's breach or (2) through failure to complete payment by expiration date.

(d) When it is in the interest of the Government to do so, it may reject any and all bids and may waive minor deficiencies in bids or in sale advertisement.

6. **BID FORMS** – All sealed, written bids, and confirmation of oral bids shall be submitted on forms provided by Government.

(a) **Lump Sum Sales** – Bids shall specify (1) Bureau of Land Management estimated volume, (2) price per unit, and (3) total purchase price. Estimated volume and price per unit are to be used for administrative and appraisal purposes only. Upon award of contract, high bidder shall be liable for total purchase price, including any adjustment which may be made as a result of reappraisal if an extension of time is granted, even though quantity of timber/vegetative resource actually cut, removed, or designated for taking is more or less than the estimated volume or quantity listed.

(b) **Timber Scale Sales** – Bids must state price per thousand board feet that will be paid for each species. High bidder will be determined by multiplying bid price per thousand board feet per species by Bureau of Land Management estimate of volume of each species. Purchaser shall be liable for purchase price of all merchantable timber sold under contract even though all such timber is not actually cut

and removed prior to expiration of time for cutting and removal as specified in contract.*

7. **BID DEPOSIT** – All bidders must make a deposit of not less than the amount specified in the *Timber/Vegetative Resource Notice*. Deposit may be in the form of cash, money orders, bank drafts, cashiers or certified checks made payable to the Department of the Interior – BLM, bid bonds of a corporate surety shown on the approved list of the United States Treasury Department*, or any approved guaranteed remittance approved by the Authorized Officer. Upon conclusion of bidding, the bid deposit of all bidders, except high bidder, will be returned. The cash deposit of the successful bidder may be applied toward the required sale deposit and/or the purchase price. Cash not applied to the sale deposit or the purchase price, or a corporate surety bid bond, will be returned at the time the contract is signed by the Government.

8. **AWARD OF CONTRACT** – Government may require high bidder to furnish such information as is necessary to determine the ability of bidder to perform the obligation of contract. Contract will be awarded to high bidder, unless he is not qualified or responsible or unless all bids are rejected. If high bidder is not qualified or responsible or fails to sign and return the contract together with required performance bond and any required payment, contract may be offered and awarded to the highest bidders qualified, responsible, and willing to accept the contract.

9. **TIMBER/VEGETATIVE RESOURCE SALE CONTRACT** – To be executed by purchaser, has been prepared by Government, and may be examined in the District Manager's office.

10. **PERFORMANCE BOND** -

(a) A performance bond in an amount of not less than 20 percent of total purchase price is required, but the amount of the bond shall not be in excess of \$500,000, except when the purchaser opts to increase the minimum bond to permit cutting prior to payment as provided in 43 CFR 5451.2, or in the event the purchaser is a holder of an unresolved default the bond may be increased as provided in 43 CFR 5450.1(b). Performance bond may be (1) bond of a corporate surety shown on approval list issued by the United States Treasury Department and executed on an approved standard form, (2) personal surety bond executed on an approved standard form if Government determines principals and bondsman are capable of carrying out the terms of the contract, (3) cash bonds, (4) negotiable securities of the United States, or (5) any guaranteed remittance approved by the Authorized Officer.

(b) If purchaser elects to cut timber without skidding or yarding it to a loading point or removing it prior to the payment of the second or subsequent installments, Government shall require an increase in amount of performance bond initially required by an amount equal to the value of timber to be cut. Such increase must be on a bond rider form supplied by Government and be approved, in writing, by Government prior to cutting timber covered by the bond increase. This increased amount of bond shall be used to assure payment for timber cut in advance of payment.*

11. **PAYMENT BOND** – If purchaser elects to (a) cut and remove timber, or (b) remove timber already cut which has been secured by an increased performance bond as provided in paragraph 10(b) above, before payment of the second or subsequent installments, Government shall require a payment bond on a form supplied by Government. Purchaser shall obtain written approval from Government of payment bond prior to cutting and/or removal of timber covered by the bond. Payment bond shall be used to assure payment for timber cut and/or removed in advance of payment.*

12. **PAYMENT OF PURCHASE PRICE** – For sales of \$500 or more, Government may allow payment by installments. Except as discussed in paragraphs 10 and 11 above, no part of any timber/vegetative resource sold may be severed, cut, or removed unless advance payment has been made as provided in contract.

13. **LIQUIDATED DAMAGES** – Within thirty (30) days from receipt of *Timber/Vegetative Resource Sale Contract*, the successful bidder shall sign contract and return it to Government, together with required bond and any required payment. If successful bidder fails to comply within the stipulated time, his bid deposit shall be retained by Government as liquidated damages.

14. **NINETY-DAY SALES** – If no bid is received within time specified in the advertisement of sale and if Government determines that there has been no significant rise in the market value of timber/vegetative resource, it may, in its discretion, keep the sale open, not to exceed ninety (90) days.

*Applies to Timber Only

15. **UNAUTHORIZED USE OF GOVERNMENT PROPERTY** – A sale may be refused to high bidder who has been notified that he has failed to make satisfactory arrangements for payment of damages resulting from unauthorized use of, or injury to, property of the United States.

16. **EQUAL OPPORTUNITY CLAUSE** – This contract is subject to the provisions of Executive Order No. 11246 of September 24, 1965, as amended, which sets forth the nondiscrimination clauses. Copies of this order may be obtained from the District Manager. 43 CFR 60-1.7(b) requires that the Equal Opportunity *Compliance Report Certification* will be completed by prospective contractors. Certification may be obtained from District Manager.

17. **LOG EXPORT** – All timber offered for sale except as noted in the *Timber Sale Notice* is restricted from export from the United States in the form of unprocessed timber and cannot be used as a substitute for exported private timber. For the purpose of this contract, unprocessed timber is defined as: (1) any logs except those of utility grade or below, such as sawlogs, peeler logs, and pulp logs; (2) cants or squares to be subsequently remanufactured exceeding eight and three quarters (8-3/4) inches in thickness; (3) split or round bolts or other roundwood not processed to standards and specifications suitable for end product use; or (4) western

red cedar lumber which does not meet lumber of American Lumber Standards Grades of Number 3 dimension or better, or Pacific Lumber Inspection Bureau R-List Grades of Number 3 common or better. Timber manufactured into the following will be considered processed: (1) lumber and construction timbers, regardless of size, manufactured to standards and specifications suitable for end product uses; (2) chips, pulp and pulp products; (3) green or dry veneer and plywood; (4) poles and piling cut or treated for use as such; (5) cants, squares, and lumber cut for remanufacture of eight and three quarters (8-3/4) inches in thickness or less; or (6) shakes and shingles. In event purchaser wishes to sell any or all of timber restricted from export in the form of unprocessed timber, the buyer, exchanges, or recipient shall be required to comply with contractual provisions relating to “*unprocessed timber*”. Special reporting, branding and painting of logs may be included in contract provisions.*

18. **DETAILED INFORMATION** – Detailed information concerning contract provisions, bid, performance bond forms, tract location maps, and access conditions may be obtained from the District Manager. All persons interested in bidding on the products listed are encouraged to familiarize themselves with all such detailed information.

6.(b) **TIMBER SCALE SALES** – (Continued)

Bidders will be restricted to bidding on a unit (MBF) rate of the Douglas-fir volume.

All other species will be sold at appraised price per unit (MBF).