

P R O S P E C T U S

GRANTS PASS RESOURCE AREA
DOUGLAS MASTER UNIT

MEDFORD SALE # OR 110-TS12-08
NOVEMBER 17, 2011 (LS)

#1. SLIM TIMBER SALE, (5810 JE) Douglas County, O&C BID DEPOSIT REQUIRED: **\$6,300.00**

All timber designated for cutting in SW¼NW¼, N½SW¼, SW¼SW¼ Section 25, T.31S., R.4W; S½NE¼ Section 3, NE¼NE¼ Section 13, SE¼SE¼ Section 20, S½SW¼ Section 21, W½NW¼, NW¼SW¼ Section 28, NE¼, SW¼SW¼ Section 29, LOT 1, NE¼NW¼ Section 30, LOTS 5, 6, 7, 14 Section 31, LOT 1, 8 Section 32, T.32S., R.4W; NE¼SW¼, SE¼ Section 3, T.32S., R.5W., 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
11,910	1,309	2,894	Douglas-fir	1,528	**\$40.70	\$62,189.60
22	1	3	Ponderosa Pine	2	**\$14.90	\$29.80
8	0	1	Western Hemlock	1	**\$26.70	\$26.70
24	1	2	Incense Cedar	1	\$73.90	\$73.90
11,964	1,311	2,900	Totals	1,532		\$62,320.00

*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 Interagency 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 Grants Pass Interagency Office, located at 2164 NE Spalding Ave., Grants Pass, Oregon, at 9:00 a.m. on Thursday, November 17th, 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 0 trees which are considered to be nonmerchantable are designated for cutting. Approximately 0% of the sale volume is salvage material. With respect to merchantable trees of all conifer species: the average tree is 12.4 inches DBHOB; the average gross merchantable log contains 38 bd. ft.; the total gross volume is approximately 1632 M bd. ft; and 94% recovery is expected. Average DF is 12.4 inches DBHOB; average gross merchantable log DF contains 38 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 – 18 units containing 229 acres must be partial cut.

CUTTING TIME - Contract duration will be 36 months for cutting and removal of timber.

ACCESS - Access to the sale area is available via existing BLM roads; via a Right-of-Way and Road Use Agreement M-2000 with Indian Hill, LLC, and via a Right-of-Way and Road Use Agreement R-824 with Silver Butte Timber Company. Among other conditions, this agreement requires completion of an agreement between the Purchaser and Permittee (Indian Hill, LLC). Also, among other conditions, this agreement requires completion of an agreement between the Purchaser and Permittee (Silver Butte Timber Company) and a payment of a surface replacement fee of sixty one and 73/100 dollars (\$61.73).

ROAD MAINTENANCE - The Purchaser will be required to maintain all of the roads which he constructs plus 8.81 miles of existing BLM and private roads. BLM will maintain 1.20 miles of the 32-5-26.0 A-B1 road and 0.10 miles of the 32-4-20.0 A road. The Purchaser will be required to pay a maintenance fee of \$4,850.94 for the use of roads 31-4-27.0B, 32-4-4.0A, 32-4-9.0A, 32-4-20.0A-D1, 32-4-20.1A, 32-4-30.4A-B, 32-4-31.2, 32-4-32.2, 32-5-25.0A-C, 32-5-25.1, 32-5-26.0A-C2, 33-5-3.1, 33-5-10.0A-B, 33-5-10.1A, 33-5-10.4A. The Purchaser will be required to pay a rockwear of \$589.41 for the use of roads 31-4-27.0C, 32-4-1.0A, 32-4-12.1A, 32-4-20.2A, 32-4-21.0A, 32-4-28.0, 32-5-25.4, and 32-5-25.5.

SOIL DAMAGE PREVENTION - Pursuant to Section 25 of Form 5450-3, Timber Sale Contract, the Purchaser shall not operate or cause to have operated in Units any tractor-type logging equipment between October 15th of one calendar year and May 15th of the next calendar year. The Purchaser may request a waiver if soil moisture conditions permit. The Authorized Officer may revoke the waiver at any time.

EQUIPMENT REQUIREMENTS – Skyline equipment shall be capable of yarding in a multispans configuration. A 40 foot tower and 1500 foot cable capacity; lateral yarding capability of 75 feet, with one end suspension of logs during inhaul. A 33 foot Yoder (for yarding adjacent to power line ROW); lateral yarding capability of 75 feet, with one end suspension of logs during inhaul. Yarding tractor will not exceed nine (9) feet in width and must be capable of bull-lining 75ft.

SLASH DISPOSAL - Slash disposal will consist of 205 acres lop-and-scatter, 24 acres handpile burn, and 29 acres of landing pile burning.

CONTRACT TERMINATION - A Special Provision, (E-4) 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 comply with the Endangered Species Act, or comply with a court order, or protect occupied marbled murrelet sites in accordance with the Standards and Guidelines of the Medford District Record of Decision (ROD) and Resource Management Plan (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. A high voltage powerline managed by Pacific Power Co. occurs adjacent to 5 units. On-site coordination with Pacific Power will occur during the project to ensure safety. Special logging limitations are required when operating in these units.
3. A mining ditch borders 4 units. Directional falling away from the ditch is required.
4. The sale area is designated as Late-Successional –Reserve. All trees 20"dbh and larger are reserved, and if necessary to fell, must remain on-site.

NARRATIVE DESCRIPTION OF HOW TO GET TO THE TIMBER SALE AREA – To access unit 3-2; From I-5 South take the Speaker Road exit (77), travel east on Speaker Road (County Road 1010) to the end of pavement. Continue for .3 miles and turn left onto BLM road 33-5-10.1. continue to intersection of 33-5-3.4, turn left. To access units 29-3, 30-2, 31-4, 31-4A,B,C, and 31-5; From I-5 take the Quines Creek exit (86) to Quines Creek road (County 96) and Eakin road intersection. Turn right onto Quines Creek road. Turn left onto Bull Run road 32-5-26, units may be accessed from various BLM roads from this intersection. To access units 28-1, S28-1N, S28-1S, S29-1N and S29-1S; From I-5 take the Azalea exit (88). Travel west on Upper Cow Creek road (County 36). Turn right onto Starvout Creek road (County 95). Units may be accessed from various BLM roads from this road. To access unit 3-1A; From I-5, take the Azalea exit (88). Travel east on Upper Cow Creek Road (County 36). Turn right onto Whitehorse Creek road (32-4-4). Turn left on BLM road 32-4-9. To access units 13-1A, 25N-2A, 25N-3A; From I-5, take the Azalea exit (88). Travel east on Upper Cow Creek Road (County 36). Units may be accessed from various BLM roads from this road.

ENVIRONMENTAL ASSESSMENT - Two environmental assessments,(EA-OR118-04- 14, and EA-OR118-05-022 were 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 Medford Interagency Office.

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Restricted To Dry Condition Waiver Required Outside of Operating Season

Dry Condition Hauling= Loading, hauling, or road maintenance would not occur during wet road conditions which are considered to 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.

Dry Condition Yarding= Tractor yarding seasonal restriction may be conditional waived by the Contracting Officer, if soil moisture conditions are dry, as determined by the inability of a 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.

[illegible]

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SPECIAL PROVISIONS

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 INTERAGENCY 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 Government.

- (1) AR-2 All timber on the Reserve Areas shown on Exhibit A and all conifer and hardwood trees which are on or mark the boundaries of the Reserve Areas, except approximately 7,194 Doug-fir, 8 western hemlock, and 24 incense cedar trees marked for cutting heretofore by the Government with blue paint above and below stump height in units 3-1A, 3-2, 13-1A, 25N2A, 25N-3A, 28-1, 29-3, 30-2, 31-4, 31-4A, 31-4B, 31-4C, and 31-5 as shown on Exhibit A.
- (2) IR-1 Approximately 2,248 conifer trees marked with orange paint above and below stump height in units S21-2N, S28-1N, S28-1S, S29-1N, S29-1S as shown on Exhibit A.
- (3) IR-3M All species of trees which are equal to or larger than 20 inches D.B.H.O.B. in the sale area as shown on Exhibit A.
- (4) IR-6 All hardwood trees in 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 the contract, except exempted species, 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 (8¾) 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 (8¾) 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.

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

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(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 Contracting Officer, the Purchaser shall brand clearly and legibly one end of all logs with a scaling diameter (small end inside bark) of over 10 inches, prior to the removal of timber from the contract area. All loads of 11 logs or more will have a minimum of 10 logs clearly and legibly branded on one end regardless of the diameter of the logs. All logs will be branded on loads of 10 logs or less. One end of all branded logs to be processed domestically will be marked with a 3 square inch spot of highway yellow paint. The purchaser will stop trucks for accountability monitoring at mutually agreed upon locations when notified by the Authorized Officer.

If multiple trailers (mule trains) are used, each bunked load shall be considered an individual load, and these guidelines will apply to each bunked load. If a flatbed stake trailer is used, each bundle will be treated as a separate load.

At the discretion of the Contracting Officer, the Purchaser may be required to brand and paint all logs. Any increased costs for log branding and painting shall be the responsibility of the Purchaser.

In the event of the Purchaser's 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.

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(B) Logging

- (1) L-1 Before beginning operations on the contract area for the first time or after a shutdown of 7 (seven) or more days, the Purchaser shall notify the Authorized Officer in writing of the date they plan to begin operations. The Purchaser shall also notify the Authorized Officer in writing if they intend to cease operations for any period of 7 (seven) or more days.
- (2) L-6 In all units as shown on Exhibit A, all trees designated for cutting, shall be felled and whole tree yarded and yarded with tops attached except when excessive stand damage occurs as determined by the Authorized Officer. If excessive stand damage occurs, all trees shall be completely limbed and/or bucked into log lengths not to exceed 41 feet prior to being yarded.
- (3) 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
<u>Cable Units</u> 3-1A, 3-2, 13-1A, 25N2A, 25N-3A, 28-1, 29-3, 31-4, 31- 4A, 31-4B, 31-4C, 31-5, S28-1N, S28- 1S, S29-1N, S29-1S	<p>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.</p> <p>A carriage is required which will maintain a fixed position on the skyline during lateral yarding and has a minimum lateral yarding capability of 75 feet.</p> <p>Yarding corridors will be perpendicular to the contours and located approximately 150 feet apart at the tail end.</p> <p>Prior to falling any timber in the unit, all tail/lift trees and/or intermediate support trees shall be identified by the Purchaser and approved by the Authorized Officer.</p> <p>Skyline equipment shall be capable of yarding in a multispan configuration.</p> <p>Directional falling toward the lead is required.</p> <p>Minimize yarding corridors to the extent possible.</p> <p>Downhill cable yarding is restricted.</p> <p>Trees 20"DBH and larger needed to be cut for yarding purposes will be left on-site.</p>

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Designated Area	Yarding Requirements or Limitations
<u>Tractor Units</u> 3-2, 30-2, S21-2N	<p>Yarding tractor width will not be greater than 9 feet as measured from the outer edges of standard width track shoes. Skid trails will not exceed a width of 12 feet on average.</p> <p>The location of the tractor skid roads must be clearly designated on the ground, spaced at approximately 150 foot intervals, and approved by the Authorized Officer.</p> <p>Old skid trails will be used whenever practical.</p> <p>Yarding tractors will be equipped with integral arches and winch systems capable of lining logs at least 75 feet.</p> <p>Use of blades in skid trail construction will not be permitted. Equipment will walk over as much ground litter as possible.</p> <p>Trees 20"DBH and larger needed to be cut for yarding purposes will be left on-site.</p>

- (4) L-9 No yarding or loading is permitted in or through the mining ditches located adjacent to units 28-1, S28-1N, S28-1S, and S29-1S as shown on Exhibit A.
- (5) L-11 No landing shall be located within 200 feet of non-fish-bearing intermittent and perennial streams as shown on Exhibit A.
- (6) L-11 No new landing shall be located within 400 feet of fish-bearing Hogum Creek (unit S21-2N) as shown on Exhibit A.
- (7) L-18 No tractor yarding or skid trail ripping shall be conducted on Units 3-2, 30-2, and S21-2N 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 a 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.

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- (8) L-18 No temporary spur construction or decommissioning, temporary route renovation, or road maintenance 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 a 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.
- (9) L-18 No hauling on natural surface and rocked roads shall be conducted on the Contract Area between October 15th of one calendar year and May 15th 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.
- (10) L-23 Prior to the commencement of operations, the Purchaser shall obtain from the Contracting 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 ensure protection of the environment and watershed. Any requested changes to the terms and conditions of this contract (such as a change in logging systems) must be authorized by the Contracting Officer through bilateral modification of the contract. A prework conference between the Purchasers authorized representative and the Authorized Officer must be held at a location designated by the Contracting Officer before the logging plan will be approved.
- (11) L-26 In all units adjacent to streams as shown on Exhibit A, all trees designated for cutting which are within 200 feet of intermittent or perennial non-fish bearing streams, or within 400 feet of Hogum creek, shall be felled away from streams. The Purchaser shall notify the Authorized Officer 7 days before beginning felling operations in the above area(s).
- (12) L-26 In units 28-1, S28-1N, S28-1N and S29-1S as shown on Exhibit A, all trees designated for cutting which are within reach of mining ditches, shall be felled away from mining ditches. The Purchaser shall notify the Authorized Officer 7 days before beginning felling operations in the above area(s).

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- (13) L-28 In all cable units as shown on Exhibit A, the Purchaser shall make cable yarding road changes by completely spooling the cables and restringing the layout from the head spar to the new tailhold to protect advance reproduction and/or reserve trees and snags present on these areas.
- (14) L-33 In accordance with the requirements of Sec. 8 of the contract, it has been determined that it is in the best interest of the Government and within the provisions of 43 CFR 5402.0-6 to sell additional timber located in the sale area which is obstructing needed cable yarding roads, hazardous to workers, or needed for guyline, tailhold, and/or tieback trees; to meet all applicable State safety laws, codes, or regulations. This timber must be cut or removed so that the Purchaser can continue active falling and yarding operations. The Purchaser is, therefore, authorized to cut and remove such additional timber in accordance with the provisions of Section 8 of the contract; provided, however, that:
- (a) Trees reserved for the tree improvement program and trees reserved for the wildlife habitat objectives under Sec. 40 of the contract are not included in this authorization.
 - (b) The Purchaser shall identify each tree sold and cut in accordance with the provision by marking the cut surface of the stump immediately after falling with a large "X". The "X" shall be cut with a chain saw. The stump shall be marked by florescent paint so that the stump can be visually located from a distance of not less than 50 feet.
 - (c) The volume and price for such timber shall be determined by the Authorized Officer in accordance with Bureau of Land Management prescribed procedures and paid for by the Purchaser in accordance with Sec. 3(b) or 3(d) of the contract as required by Sec. 8 of the contract.
 - (d) No timber may be cut or removed under the terms of this provision if all contract payments required by Sec. 3(b) or 3(d) of the contract have been made.
 - (e) The permission to cut and remove additional timber contained in this provision may be withdrawn by the Contracting Officer if the Authorized Officer determines that the Purchaser:
 - 1. Failed to properly mark any stump with the "X" cut.
 - 2. Failed to identify the location of any stump.
 - 3. Cut any tree that was reserved for tree improvement and/or wildlife habitat.
 - 4. Cut any tree in or adjacent to cable yarding corridors that was not necessary to facilitate cable yarding.
 - 5. Cut any reserve tree in or adjacent to tractor skid roads that was not necessary to facilitate ground based yarding.

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6. Failed to properly segregate any pulled over tree that was yarded to the landing.
7. Cut any reserve tree that was not severely (as defined during the prework conference and documented in the approved logging plan) damaged from felling and yarding operations.
8. Cut more than the minimum number of trees necessary to properly serve as guyline anchor stumps.
9. Cut or topped more than the minimum number of trees necessary to properly serve as tailhold trees.
10. Cut more than the minimum number of trees necessary to properly serve as tiebacks for topped tailhold trees.
11. Failed to maintain accurate and current (no more than 24 hours old) documentation of cut and removed timber.

If the permission to cut and remove additional timber provision is withdrawn, the Authorized Officer shall deliver to the Purchaser a written notice that additional sale of timber under this special provision is no longer approved.

If the permission to cut and remove additional timber provision is withdrawn, the Purchaser shall inform the Authorized Officer at least two working days prior to the need for cutting and yarding any guyline tree, tailhold tree, tieback tree, danger tree, corridor tree, pulled over tree, and severely damaged tree. All sales of additional timber shall comply with Section 8 of the contract. The Contracting Officer may order the Purchaser, in writing, to suspend, delay, or interrupt all or any part of the work of this contract for the period of time that the Contracting Officer determines appropriate for the Government to safely measure and mark additional timber.

All cable yarding and ground based equipment skid roads upon which timber may be cut and removed in accordance with this special provision must be needed for the removal of timber sold under this contract and shall be limited to the narrowest width necessary for the yarding of logs with minimum damage to reserved trees.

The Purchaser shall be liable for damages in accordance with Sec. 13 of the contract for any reserved timber cut or removed in violation of the terms of this special provision.

(C) Road Construction - Maintenance - Use

- (1) RC-1a The Purchaser shall construct, reconstruct, and/or renovate all roads in strict accordance with the plans and specifications shown on Exhibit C, which is attached hereto and made a part hereof.
- (2) RC-1b Any required construction, reconstruction, or renovation of structures and roads shall be completed and accepted prior to the removal of any timber, except

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right-of-way timber, over that road unless other timelines are approved by the Authorized Officer.

- (3) RC-1d The purchaser shall not commence work on road renovation until receipt of written notice to do so from the Authorized Officer. Work shall be commenced no later than 3 days after such notice, and shall be completed within 5 months after such notice.
- (4) RC-1f Upon completion of logging operations and slash disposal, the Purchaser shall scarify the entire road in strips of not more than 36 inches in width to a minimum depth of 12 inches, provided that no scarification shall be required where the road traverses rock outcroppings. Water bars shall be constructed at intervals in accordance with Exhibit C-11, Special Provisions, Page 2 of 2, Item Number 8. Barriers shall be constructed so as to prevent further use of the road by vehicles.
- (5) RC-2 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 and rockwear obligations described in Section 41(C)(8) and Section 41(C)(11)^{2/}). The Purchaser shall pay current Bureau of Land Management maintenance and 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
31-4-27.0 B	2.34	BLM	ASC
32-4-4.0 A	0.73	BLM	ASC
32-4-9.0 A	2.90	BLM	ASC
32-4-20.0 A	0.10	BLM	BST1
32-4-20.0 B	0.66	BLM	ASC
32-4-20.0 C	0.48	BLM	ASC
32-4-20.0 D1	1.24	BLM	ASC
32-4-20.1 A	0.65	BLM	ASC
32-4-30.4 A	0.74	BLM	ASC
32-4-30.4 B	0.16	BLM	ASC
32-4-31.2	0.30	BLM	ASC
32-4-32.2	0.27	BLM	ASC
32-5-25.0 A	2.03	BLM	ASC
32-5-25.0 B	1.02	BLM	ASC

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32-5-25.0 C	0.65	BLM	ASC
32-5-25.1	0.22	BLM	GRR
32-5-26.0 A	0.70	BLM	BST1
32-5-26.0 B1	0.50	BLM	BST1
32-5-26.0 B2	0.87	BLM	ASC
32-5-26.0 C1	1.09	BLM	ASC
32-5-26.0 C2	0.42	BLM	ASC
33-5-3.1	0.30	BLM	PRR
33-5-10.0 A	0.24	BLM	ASC
33-5-10.0 B	0.05	BLM	ASC
33-5-10.1 A	1.26	BLM	PRR
33-5-10.4 A	0.81	BLM	PRR

- (6) RC-2a 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 comply with the conditions set forth in Section 41(C)(12)^{1/} and pay the required rockwear obligation described in Section 41(C)(11)^{2/}. The Purchaser shall pay current Bureau of Land Management Rockwear fees for the sale of additional timber under modification of the contract.

Road No. and Segment	Length Miles Used	Road Control	Road Surface Type
31-4-27.0 C	1.56	BLM	ASC
32-4-1.0 A	2.32	BLM	ASC
32-4-1.0 B	1.36	Silver Butte	PRR
32-4-12.1 A	0.45	BLM	PRR
32-4-20.2 A	0.40	BLM	PRR
32-4-21.0 A	0.30	BLM	PRR
32-4-28.0	1.19	BLM	PRR
32-5-25.4	0.39	BLM	GRR
32-5-25.5	0.44	BLM	GRR

- (7) RC-2b With the prior written approval of the Authorized Officer, the Purchaser may arrange for cooperative maintenance with other users of roads included in Section 41(C)(6)^{1/} of this contract; provided, that such cooperative arrangement shall not relieve the Purchaser of his liability for the maintenance and repair of

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such roads resulting from wear or damage, in accordance with this contract. The Purchaser shall furnish the Authorized Officer a copy of any cooperative maintenance agreements entered into with other users on these roads.

- (8) RC-2c Provided, that the Purchaser shall pay the Government a road maintenance obligation of four thousand eight hundred fifty and 94/100 dollars (\$4,850.94) for the transportation of any timber included in this contract price over said road.

The above maintenance amount is for the use of 20.73 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 by Section 3 of this contract.

- (9) RC-2d Provided that the Purchaser shall pay the Government a road maintenance fee of one dollar and 13/100 cents (\$1.13) per thousand board feet per mile for the use of said roads non-BST roads and a road maintenance fee of sixty-five (65) cents for the use of said BST roads. For administrative purposes the total maintenance fee shall be based upon the estimated volume set forth in Exhibit B of this contract and mileage of roads used as determined by the Authorized Officer. In the event logs are hauled over more than one route, the estimated volume set forth in Exhibit B shall be proportioned on the basis of actual volume removed. Prior to the use of such roads, the Purchaser shall give written notice to the Authorized Officer of the roads they intend to use in the removal of timber purchased under the contract, together with an estimate of the volume to be hauled over such roads. If the total road maintenance amount does not exceed five hundred and no/100 dollars (\$500.00), the Purchaser shall pay such amount in full prior to use of such roads. If the total road maintenance amount exceeds five hundred and no/100 dollars (\$500.00), the Authorized Officer shall establish an installment schedule of payments of the maintenance obligation.

- (10) RC-2f The Authorized Officer may at any time, by written notice, terminate the Purchaser's operator road maintenance obligations and require instead payment of current Bureau of Land Management road maintenance fees for the particular surface type of the roads involved. These fees will be applied to the remaining contract volume on the sale area to be transported over road or roads listed in Section 41(C)(5)^{1/}. The Purchaser shall pay the total maintenance amount for said road(s) within thirty (30) days following receipt of written notice; provided, however, that if the total amount exceeds five hundred dollars (\$500.00), the Purchaser may elect to make payment in installments in the same manner as and together with payments required in Section 3 of this contract.

- (11) RC-2g The Purchaser shall also pay to the Government a road maintenance obligation for rockwear in the amount of five hundred eighty nine and 41/100 dollars (\$589.41) for the transportation of timber included in the contract price and for transportation of any mineral material required under terms of the contract

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over road or roads listed in Section 41(C)(5)^{1/} and Section 41(C)(6)^{2/}. 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 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.

- (12) RC-2h Except for the road maintenance in accordance with Section 41 (C)(13), the Purchaser shall perform any required road repair and maintenance work on roads used by them, under the terms of Exhibit D, "Road Maintenance Specifications", of this contract, which is attached hereto and made a part hereof.
- (13) RC-3 In the use of roads No. 32-4-1.0 B, the Purchaser shall comply with the conditions of Right-of-Way and Road Use Agreement No. M824 between the United States and Silver Butte Timber Co. These conditions include: **Payment to Silver Butte Timber Co., a road use obligation of sixty one and 73/100 dollars (\$61.73)** payable at the time indicated in the license agreement. The Purchaser shall instead perform the road maintenance work indicated in Exhibits C and D which include, but are not limited to, road blading, ditch cleaning, culvert cleaning, roadside brushing and possible dust abatement. This document is available for inspection at the Bureau of Land Management, Medford District Office, 3040 Biddle Road, Medford, Oregon 97504. Prior to the use of said road, the Purchaser shall furnish the Authorized Officer a copy of the executed License Agreement. Default by the Purchaser of said Right-of-Way and Road Use Agreement, or any License Agreement executed pursuant thereto, for failure to pay appropriate road use fees shall be considered a violation of this contract. The amount of unpaid fees shall be considered as the amount of damage suffered by the Government as a result of the violation of this provision.
- (14) RC-3 In the use of roads No. 32-4-1.0 B, the Purchaser shall comply with the conditions of Right-of-Way and Road Use Agreement No. M2000 between the United States and Indian Hill, LLC. These conditions include: **Payment to Indian Hill, LLC, a road use obligation of zero and 00/100 dollars (\$0.00)** payable at the time indicated in the license agreement. The Purchaser shall instead perform the road maintenance work indicated in Exhibits C and D which include, but are not limited to, road blading, ditch cleaning, culvert cleaning, roadside brushing and possible dust abatement. This document is available for inspection at the Bureau of Land Management, Medford District Office, 3040 Biddle Road, Medford, Oregon 97504. Prior to the use of said road, the Purchaser shall furnish the Authorized Officer a copy of the executed License Agreement. Default by the Purchaser of said Right-of-Way and Road Use Agreement, or any License Agreement executed pursuant thereto, for failure to pay appropriate road use fees shall be considered a violation of this contract. The amount of unpaid fees shall be considered as the amount of damage suffered by the Government as a result of the violation of this provision.

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- (15) RC-3c The Purchaser also 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, 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.
- (16) RC-8 The Purchaser shall be required to secure written approval to use vehicles or haul equipment over Government owned or controlled and/or structures when such vehicles or equipment exceeds the maximum allowable weights or dimensions established by the State for vehicles operating without a permit.

Tracked type equipment shall not be allowed to cross over concrete bridge decks, other concrete surfaced structures or asphalt surfaced roads without the proper protection of that surface. Prior approval shall be obtained from the Authorized Officer when crossing with protective devices.

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 or tracked vehicles or equipment; (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

- (1) E-1 In addition to the requirement set forth in Sec. 25 of this contract, the Purchaser shall leave trees onsite that become broken topped, girdled, or cut as tailhold trees.

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- (2) E-1 In addition to the requirement set forth in Sec. 25 of this contract, the Purchaser shall not use foam within 150 ft of stream channels to control the spread of prescribed fire.
- (3) E-1 In addition to the requirement set forth in Sec. 25 of this contract, the Purchaser shall, waterbar cable yarding corridors within riparian reserves (200 feet of intermittent or perennial streams) that are above or nearly perpendicular to stream channels.
- (4) E-1 In addition to the requirement set forth in Sec. 25 of this contract, the Purchaser shall rip and rehabilitate tractor skidtrails within riparian reserves (200 feet of intermittent or perennial streams, and 400 feet of Hogum Creek) in Units 3-2, 30-2, and S21-2N by using waterbars, seed, mulch, or small dense woody debris, as necessary to minimize erosion.
- (5) 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.
- (6) E-1 In addition to the requirement set forth in Sec. 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 and fuel lines on heavy mechanized equipment would be in proper working condition in order to minimize potential for leakage into streams.
- (7) E-1 In addition to the requirements set forth in Sec. 25 of this contract, the Purchaser shall:
 - (a) Use a minimum 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.
 - (b) Use rippers as shown on Exhibit R to fulfill ripping requirements of this provision.
 - (c) Rip to a depth of 18 inches. If the Authorized Officer deems ripping will cause an unacceptable amount of damage to the root systems of residual trees the Purchaser shall scarify to a depth of up to six (6) inches.

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- (d) Rip during the period of May15 to October 15, both dates inclusive.
 - (e) Rip tractor skid roads in Units 3-2, 30-2, and S21-2N as shown on Exhibit A.
- (8) E-1 In addition to the requirement set forth in Section 25 of this contract, the Purchaser shall implement the following noxious weed control measures:
- (a) In order to prevent the potential spread of noxious weeds into the Medford District BLM, the operator would be required to clean all logging, construction, chipping, grinding, shredding, rock crushing, and transportation equipment prior to entry on BLM lands.
 - (b) Cleaning shall be defined as removal of dirt, grease, plant parts, and material that may carry noxious weed seeds into BLM lands. Cleaning prior to entry onto BLM lands may be accomplished by using a pressure hose.
 - (c) Only equipment inspected by the BLM would be allowed to operate within the Analysis Area. All subsequent move-ins of equipment as described above shall be treated the same as the initial move-in.
 - (d) Prior to initial move-in of any equipment, and all subsequent move-ins, the operator shall make the equipment available for BLM inspection at an agreed upon location off Federal lands.
 - (e) Equipment would be visually inspected by the Authorized Officer to verify that the equipment has been reasonably cleaned.
- (9) E-1 In addition to the requirement set forth in Sec. 25 of this contract, the Purchaser shall, prior to October 15 of the same operating season, winterize and rehabilitate temporary routes, landings, skid trails, cable yarding corridors, and other areas of exposed soils 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.
- (10) E-2 The water bars to be constructed as required by Sec. 25(c) shall be constructed in accordance with the specifications shown on Exhibit W, which is attached hereto and made a part hereof.
- (11) 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

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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.

- (12) 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;
 - (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.

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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 States, 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 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.

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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.

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.

(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. 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

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shall be reduced by one thousand one hundred forty nine and 00/100 dollars \$1,149. In the event that only a portion of the contract timber is scaled, the purchase price shall be reduced by that portion of one thousand one hundred forty nine and 00/100 dollars \$1,149 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 Northwest Log Rules Eastside Log Scaling Handbook, as amended, or supplemented by BLM before the first advertisement date of the sale, 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-1 Fire Prevention and Control. Primarily for purposes of fire prevention and control, the Purchaser shall, 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.

(a) F-1a Fire Prevention and Control. Primarily for purposes of fire prevention and control, the Purchaser shall comply with the following provisions:

1. 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.
2. Provide and maintain in good repair, on the contract area, the following equipment for use during closed fire season or periods of fire danger:
 - a. 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."

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

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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 ($\frac{3}{4}$) of all fire tools shall be shovels, hazel hoes, or other scraping tools. The fire tools shall be used only for fighting fire.

- b. 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.
- c. 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.
- d. F-2d Serviceable radio or radio-telephone equipment able to provide prompt and reliable communication between the contract area and Medford BLM District Office, Douglas Forest Protection Agency, and Oregon Department of Forestry. Such communication shall be available during periods of operation including the time watch-service is required.
- e. 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.
- f. 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

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that it can be either carried in the hip pocket or fastened 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.

- g. 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.
- h. 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.
- i. F-5 Where blocks and cables are used on the contract area during periods of fire danger, the Purchaser shall remove all flammable material at least ten (10) feet from the place where the tail or any other block will hang when the cable is tight. Such clearings shall be inspected periodically by the Purchaser and shall be kept free of flammable material.

(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 Purchaser's satisfactory compliance with State laws and regulations regarding offsetting or abating the additional fire hazard created by this operation and the State's 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 in units as designated by the authorized officer, concurrently with normal felling operations. All top and side branches must be free of the central stem so

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that such slash is reduced to the extent that it is within 18 inches of the ground at all points.

(b) SD-1c HAND PILING Hand pile all slash situated in units as designated by the authorized officer in accordance with the following specifications:

1. Slash, as defined for this section, shall mean all material (brush, limbs, tops, unmerchantable stems, and chunks) severed or knocked over as a result of purchasers operations under the terms of this contract.
2. Piling shall be accomplished by hand. Finished piles shall be tight and free of earth.
3. Pile all slash which is between 1 and 7 inches in diameter on the large end and exceeds 2 feet in length.
4. Pile all slash located within 50 to 100 feet on each side of roads as designated by the authorized officer. Slash shall be piled by hand. Finished piles shall be tight and free of earth.
5. A 6 foot by 6 foot sheet of 4mm black plastic shall be placed in each pile in a manner such that approximately one-third of the pile lies above it to hold it in place and so that a two (2) foot by two (2) foot dry ignition point is maintained for one (1) year or until burned. The ignition point will consist of fine fuel material such as needles, small limbs, and branches less than one-half (½) inch in diameter and free of dirt. Piles shall be constructed by aligning individual pieces in the same direction and placing the heavier slash on top. Piles shall have a stable base to prevent toppling. The long axis of individual pieces shall be oriented up and down the slope. Protruding pieces shall be trimmed to allow covering in a manner that permits the pile to shed water. Height shall be no less than 4 feet and no greater than 6 feet; width shall not exceed 8 feet; piles shall be circular and not windrowed. No pile shall be located in any stream channel; on down logs or stumps, within 10 feet of any other pile, unit boundary or the trunk of the nearest living tree. No portion of the pile will be under the crown of any living tree.

(c) SD-1d Operations required by this provision shall be kept current with yarding as directed by the Authorized Officer and shall be conducted as follows:

1. Piling shall be completed in each unit or portion thereof, within six (6) weeks after completion of yarding that unit, or a portion thereof.

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- (d) SD-1e LANDING SLASH Pile all slash located within 20 feet on each side of all landing decks. Slash shall be piled by hand or machine. Finished piles shall be tight and free of earth.

1. A 12 foot by 12 foot cover of 4 mm black plastic shall cap each pile to maintain a dry ignition point. The cover shall be firmly fixed to each pile to hold it in place. Maximum pile size shall be 25 feet in diameter by 20 feet in height.

- (2) SD-5 Perform logging residue reduction and site preparation work on approximately 229 acres of harvest area located in Cutting Units 3-1A, 3-2, 13-1A, 25N-2A, 25N-3A, 28-1, 29-3, 30-2, 31-4, 31-4A, 31-4B, 31-4C, 31-5, S21-2N, S28-1N, S28-1S, S29-1N and S29-1S as shown on Exhibit A.

- (a) The required work shall consist of any treatment or combination of treatments listed in the table below, as determined by the Authorized Officer and specified in writing by the Contracting Officer. The number of acres of each treatment shall be determined by the Authorized Officer.

Treatment	Cost/Acre
Lop & Scatter 0 – 12 tons/ac	\$35.00
Hand Pile and Cover-L1 0 – 40 piles/ac	\$285.00
Hand Pile and Cover-L2 41 – 60 piles/ac	\$387.00
Hand Pile Burn-L1 0 – 40 piles/ac	\$28.00
Hand Pile Burn-L2 41 – 60 piles/ac	\$40.00
Cover & Burn Landing Decks 4 decks = 1 ac	\$40.00

- (b) The following treatments were assumed for appraisal purposes on this contract:

Appraised Treatment	Acres	Cost/Acre	Total Cost Per Treatment
Lop & Scatter 0 – 12 tons/ac	205	\$35.00	\$7,175.00
Hand Pile and Cover-L1 0 – 40 piles/ac	16	\$285.00	\$4,560.00
Hand Pile and Cover-L2 41 – 60 piles/ac	8	\$387.00	\$3,096.00
Hand Pile Burn-L1 0 – 40 piles/ac	16	\$28.00	\$448.00
Hand Pile Burn-L2 41 – 60 piles/ac	8	\$40.00	\$320.00
Cover & Burn Landing Decks	29	\$40.00	\$1,160.00

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4 decks = 1 ac			
Total Appraised Cost			\$16,759.00

- (c) The Total Purchase Price set forth in Section 2 shall be adjusted by the amount that the total cost of the site preparation treatments designated pursuant to Section 41(G)(2) SD-5a differs from \$16,759.00, as calculated by using the estimated acres determined by the Authorized Officer and the per acre costs listed in Section 41(G)(2) SD-5a.
- (3) SD-2 Notwithstanding the provisions of Sec. 15 of this contract, the Government shall assume all obligations for disposal or reduction of fire hazards created by Purchaser's operations on Government lands, except for burning and mop-up assistance as required herein. In accordance with written instructions to be issued by the Authorized Officer at least ten (10) days in advance of earliest date of required performance, the Purchaser shall, under supervision of the Authorized Officer or designated representative, assist in preparing units for burning, burning, mop-up, and patrol by furnishing, at the Purchaser's own expense, the services of personnel and equipment on each unit as shown below.
- (a) Burn and mop-up piled units and landings as shown on Exhibit A in accordance with Section 41(G)(3a1.,2.).
1. For Igniting and Burning Piles on Unit(s) as designated by the authorized officer.
 - a. One (1) person to supervise crew(s) and equipment operators, and to serve as Purchaser's representative.
 - b. One (1) crew with ten (10) members per crew, including a designated crew foreman. Each crew shall be equipped with fuel, drip torches, shovels, pulaskis, one (1) power saw and one (1) backpack pump; one (1) tool for each crew member.
 - c. One (1) tank truck driver(s).
 - d. One (1) tank truck(s). Each truck shall have 250 gallons or more capacity with 1000 feet of hose and nozzle(s) acceptable to the Authorized Officer. All hose couplings shall have the standard thread adopted by the State Fire Marshall pursuant to ORS 476.410 as amended. Each truck shall be equipped with a mounted pump conforming to the standards set forth in ORS 477.645 through ORS 477.670 and any rule promulgated pursuant to those statutes. Tank(s) shall be filled with water.

SLIM TIMBER SALE
SPECIAL PROVISIONS

- e. One thousand (1,000) feet of one and one-half (1½) inch hose and one thousand (1,000) feet of one (1) inch hose. Six (6) gated "Y" valves, six (6) one and one-half (1½) to one (1) inch reducers, and six (6) combination fog and stream nozzles. All hose fittings shall match the couplings on the required hose. All hose couplings shall have the standard thread adopted by the State Fire Marshall pursuant to ORS 476.410 as amended.
 - f. Ten (10) drip torches, Forester Sealtite, or equivalent.
 - g. Hand ignition with drip torches is required in Units as designated by the authorized officer.
 - h. All ignition personnel will be directly supervised by a BLM representative.
2. Mop-up Piles on Units as designated by the authorized officer.
- a. One (1) person to supervise crew(s) and equipment operators, and to serve as Purchaser's representative.
 - b. One (1) crews with ten (10) members per crew, including a designated crew foreman. Each crew shall be equipped with fuel, drip torches, shovels, pulaskis, one (1) power saw and one (1) backpack pump; one (1) tool for each crew member.
 - c. One (1) tank truck driver.
 - d. One (1) tank truck. Each truck shall have 250 gallons or more capacity with 1000 feet of hose and nozzle(s) acceptable to the Authorized Officer. All hose couplings shall have the standard thread adopted by the State Fire Marshall pursuant to ORS 476.410 as amended. Each truck shall be equipped with a mounted pump conforming to the standards set forth in ORS 477.645 through ORS 477.670 and any rule promulgated pursuant to those statutes. Tank(s) shall be filled with water.

Aircraft and pilots used for Logging Residue Reduction or the suppression of escaped fires from Logging Residue Reduction operations, shall be acquired from a list of aircraft and pilots approved (i.e., carded for these specific activities) by the Office of Aircraft Services or the U.S. Forest Service. This list is available from BLM District Offices upon request.

SLIM TIMBER SALE
SPECIAL PROVISIONS

All listed personnel shall be physically fit, experienced, and fully capable of functioning as required. All personnel shall arrive at the project area(s) with the following personal safety equipment: long sleeve natural fabric shirt, full length natural fabric trousers, minimum eight (8) inch top leather boots, hardhat, and leather gloves. All listed tools and equipment shall be in good usable condition. All power-driven equipment shall be fully fueled and available for immediate use. During periods of use under this subsection, the Purchaser shall provide fuel and maintenance for all such power-driven equipment.

Except as provided hereafter for fire escapement, the Purchaser shall continue the required assistance in mop-up on each unit to be burned as shown on Exhibit A as required in Section 41(G)(3) for 120 work hours for each piled unit and piled landing as directed by the Authorized Officer within a 5-day period for each piled unit and piled landing beginning 8:00 a.m. the day following completion of ignition in that unit or until released from such services by the Authorized Officer, whichever occurs first.

In the event of a fire escapement, Purchaser's personnel and equipment shall, under supervision of the Authorized Officer or designated representative, take action to suppress, including control and mop-up, the escaped fire until released from such service by the Government. If it becomes necessary to suppress a fire which escapes from the prescribed fire area for a period beyond midnight of ignition day, then the Government shall, at its option: (1) reimburse Purchaser for such additional use of personnel and equipment at wage rates shown in the current Administratively Determined Pay Rates for Western Area and at equipment rates shown in the current Oregon-Washington Interagency Fire Fighting Equipment Rental Rates schedule, until the Purchaser is released from such service by the Government, or (2) release the Purchaser from additional suppression work and assume responsibility for suppressing the escaped fire.

In situations where an escaped fire is controlled and contained by an adequate fire break (i.e., trail, road, stream, rock formation, etc.), the Government may permit the Purchaser to remove personnel for that day; provided that, all mop-up work on the escaped fire area is included with mop-up work on the prescribed fire area. In such an event, the Purchaser must sign a statement of agreement to complete mop-up work on all escaped fire areas concurrently with mop-up work on the prescribed fire area.

In case of injury to personnel or damage to equipment furnished by the Purchaser as required by this subsection, liability shall be borne by the Purchaser, unless such injury or damage is caused by Government negligence.

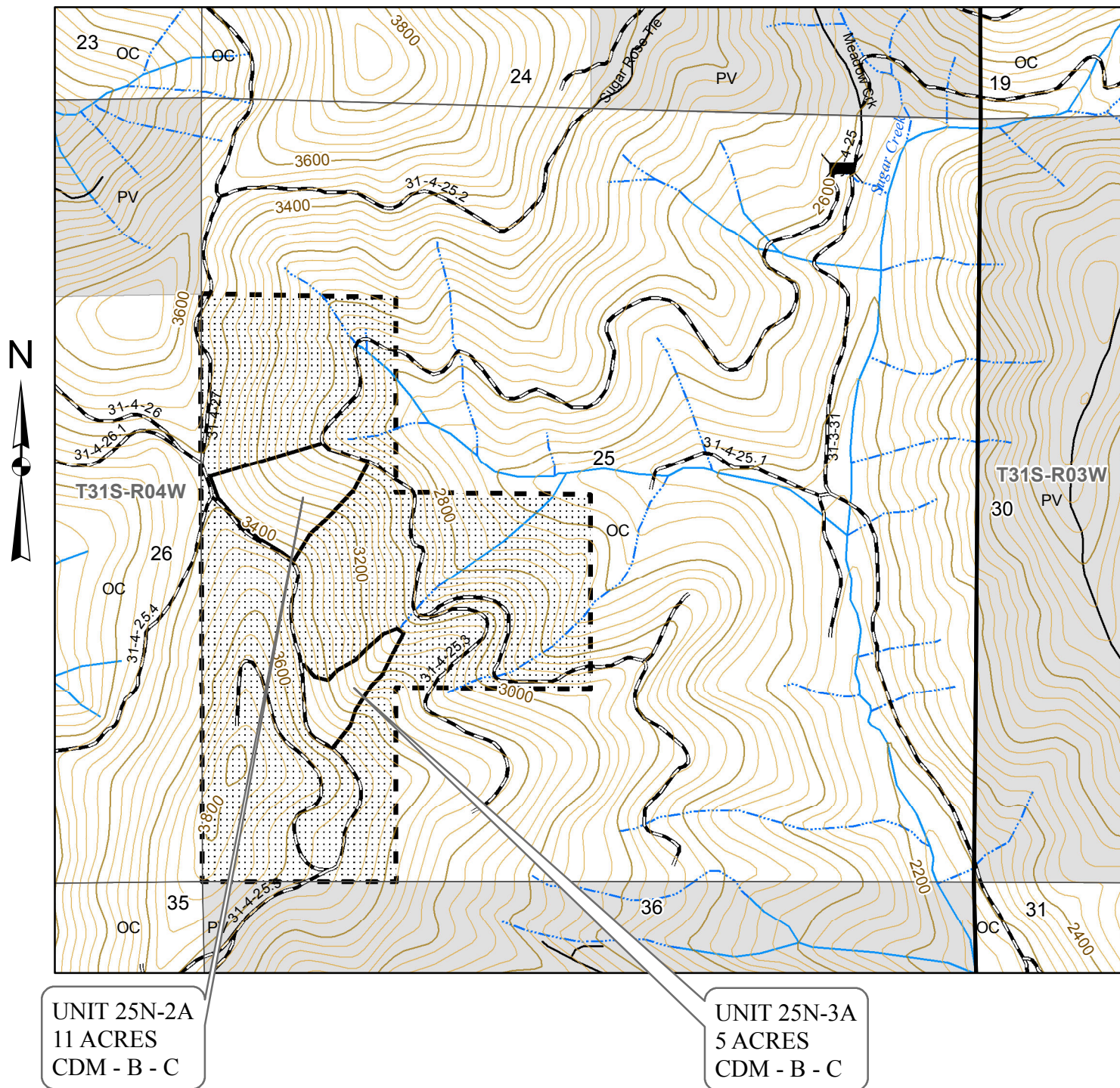
Time is of the essence in complying with this provision. In the event the Purchaser fails to provide the personnel and equipment required herein, the Purchaser shall be responsible for all additional costs incurred by the Government in disposing of slash including but not limited to the wages and other costs of

SLIM TIMBER SALE
SPECIAL PROVISIONS

providing federal employees and others as substitute labor force, the cost of providing substitute equipment and appropriate additional overhead expenses. If the Purchaser's failure results in deferral of burning and new conditions necessitate additional site preparation work and/or use of additional personnel and equipment to accomplish planned burning, the Purchaser also shall be responsible for such additional costs.

(H) Equal Opportunity in Employment

- (1) Certification of Nonsegregated Facilities attached hereto and made a part hereof.



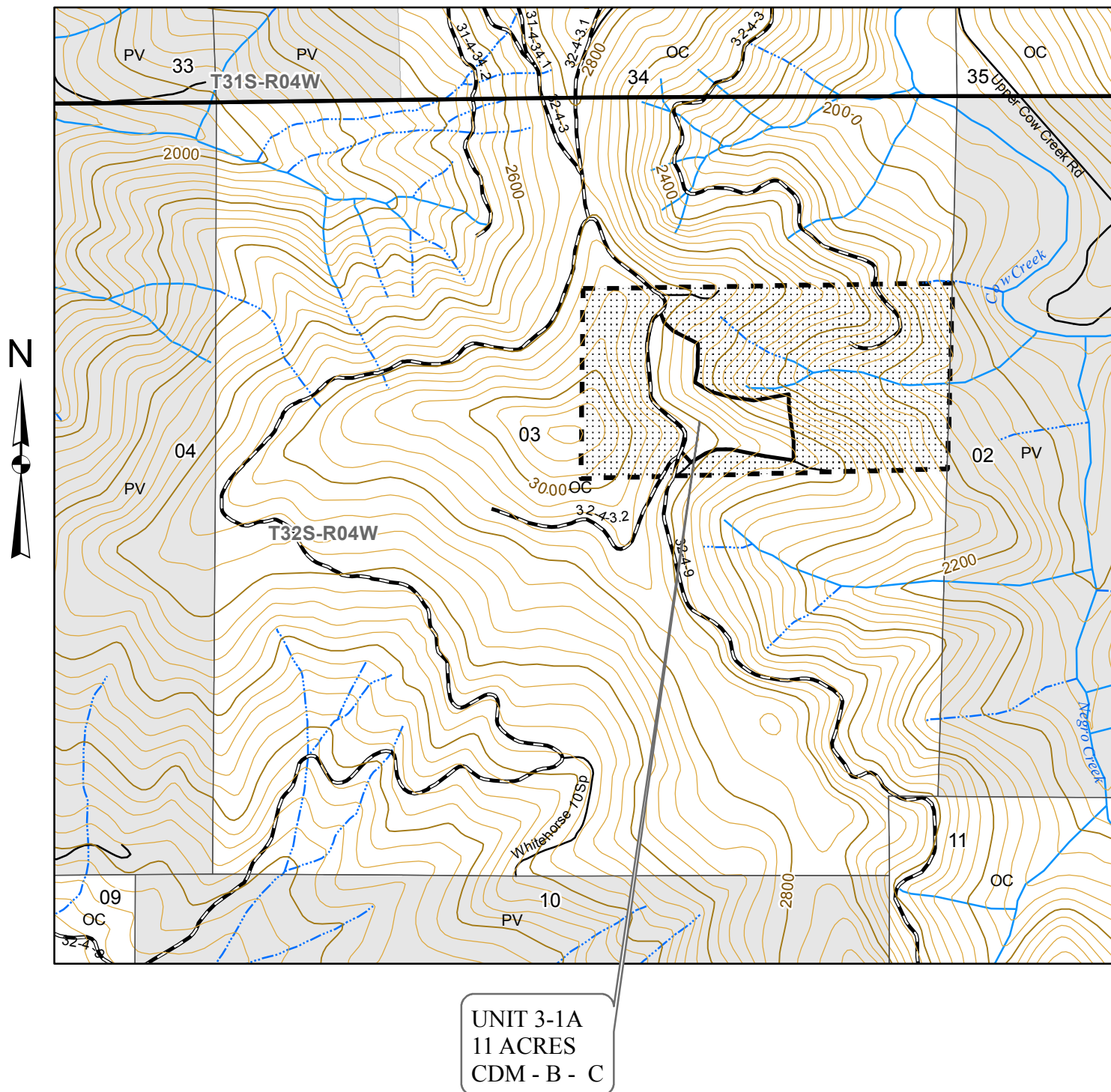
United States Department of the Interior
United States Department of the Interior
Bureau of Land Management
Medford District Office
3040 Biddle Road
Medford, OR 97504

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. Original data were compiled from various sources and may be updated without notification.

CONTOUR INTERVAL 40 FEET

0 500 1,000 2,000 Feet





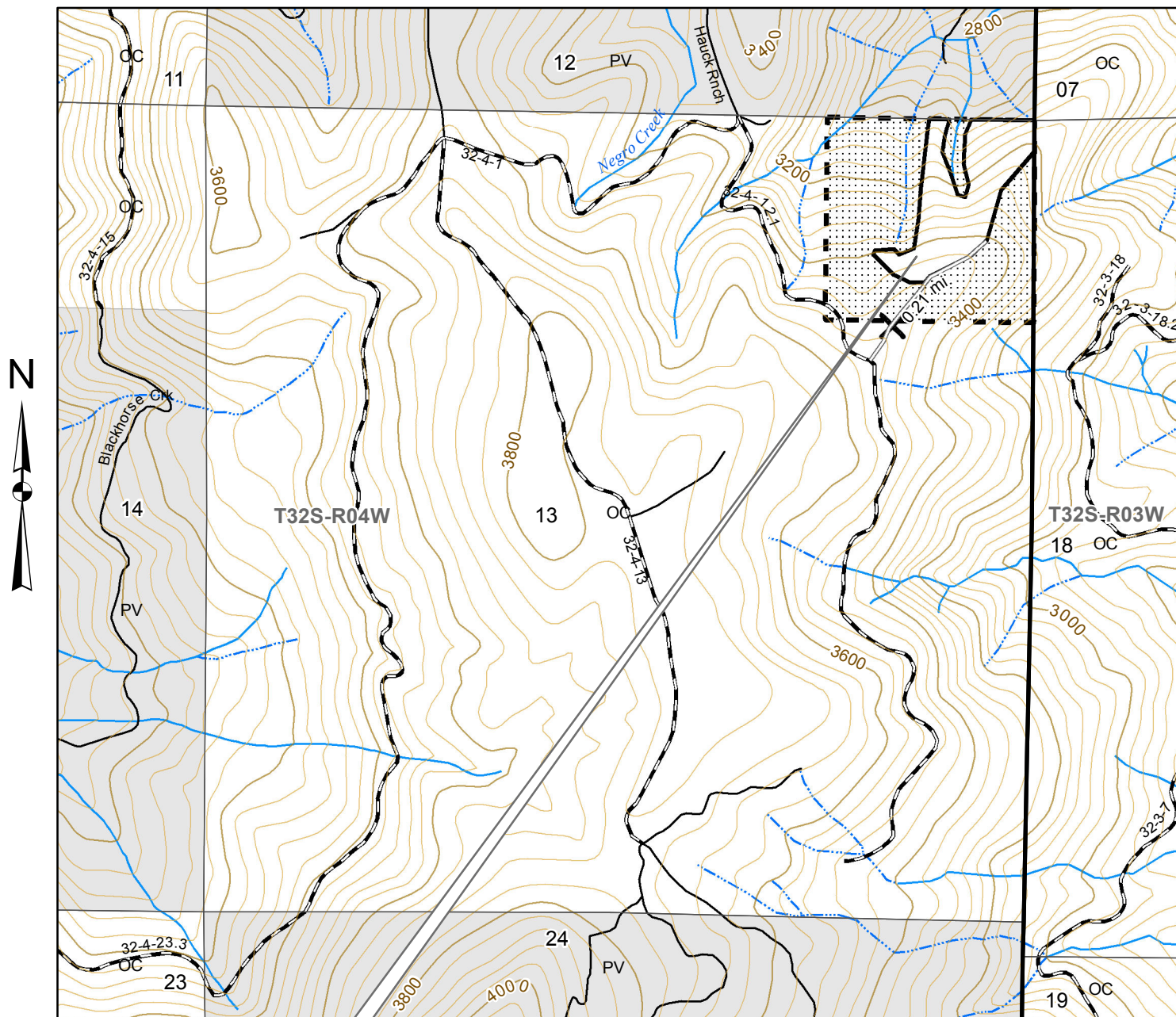
United States Department of the Interior
United States Department of the Interior
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CONTOUR INTERVAL 40 FEET

0 500 1,000 2,000 Feet





UNIT 13-1A
12 ACRES
CDM - B - C

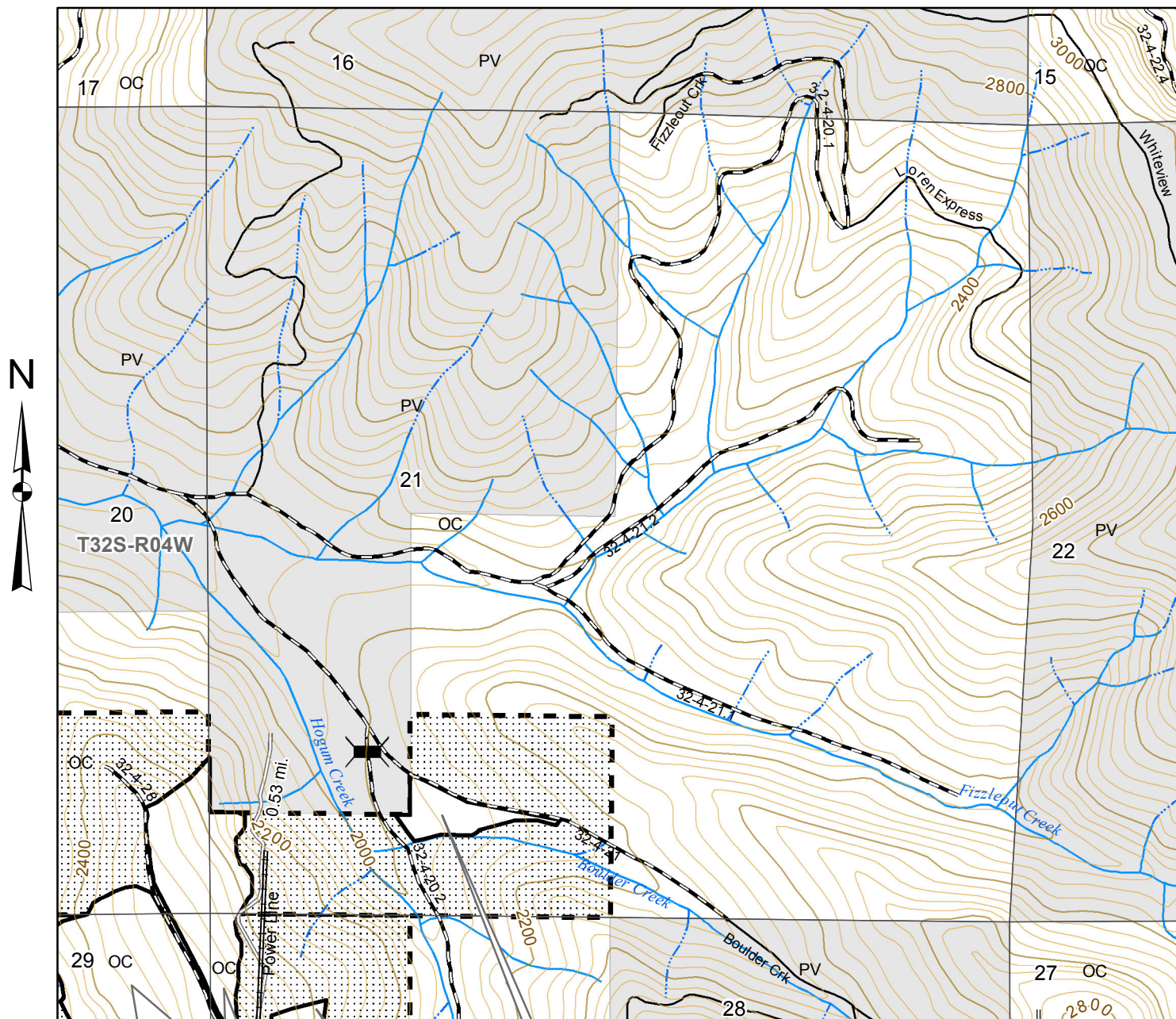
United States Department of the Interior
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Bureau of Land Management
Medford District Office
3040 Biddle Road
Medford, OR 97504

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CONTOUR INTERVAL 40 FEET

0 500 1,000 2,000 Feet





UNIT S29-1S
58 ACRES
CDM - O - C

UNIT S29-1N
15 ACRES
CDM - O - C

UNIT S28-1N
9 ACRES
CDM - O - C

UNIT S21-2N
4 ACRES
CDM - O - T

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Bureau of Land Management
Medford District Office
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CONTOUR INTERVAL 40 FEET

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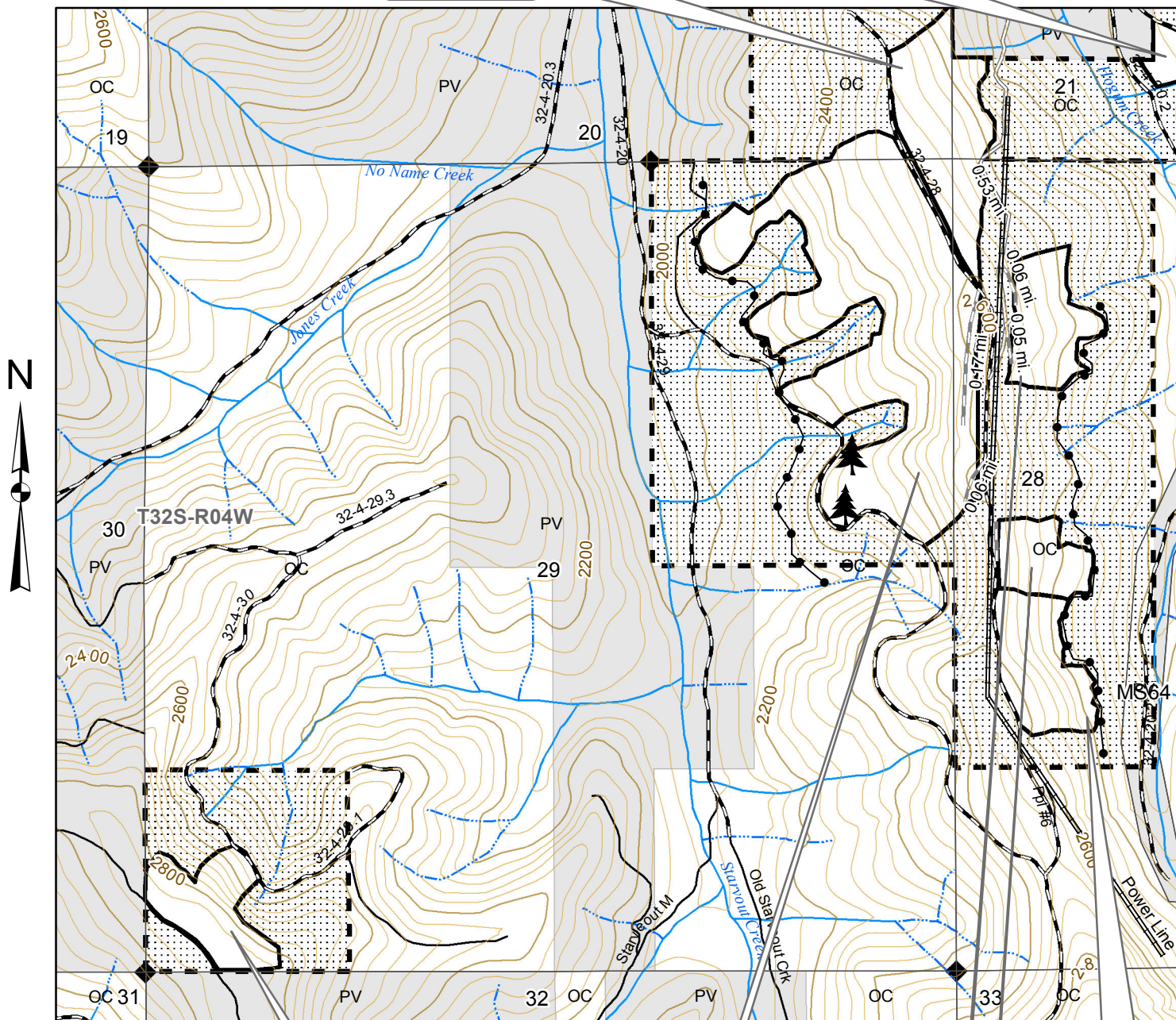


TIMBER SALE CONTRACT MAP
CONTRACT NO. OR 110-TS12-08
EXHIBIT A
PAGE 5 OF 11



UNIT S29-1N
15 ACRES
CDM - O - C

UNIT S21-2N
4 ACRES
CDM - O - T



UNIT 29-3
9 ACRES
CDM - B - C

UNIT S29-1S
58 ACRES
CDM - O - C

UNIT S28-1N
9 ACRES
CDM - O - C

UNIT 28-1
10 ACRES
CDM - B - C

UNIT S28-1S
6 ACRES
CDM - O - C

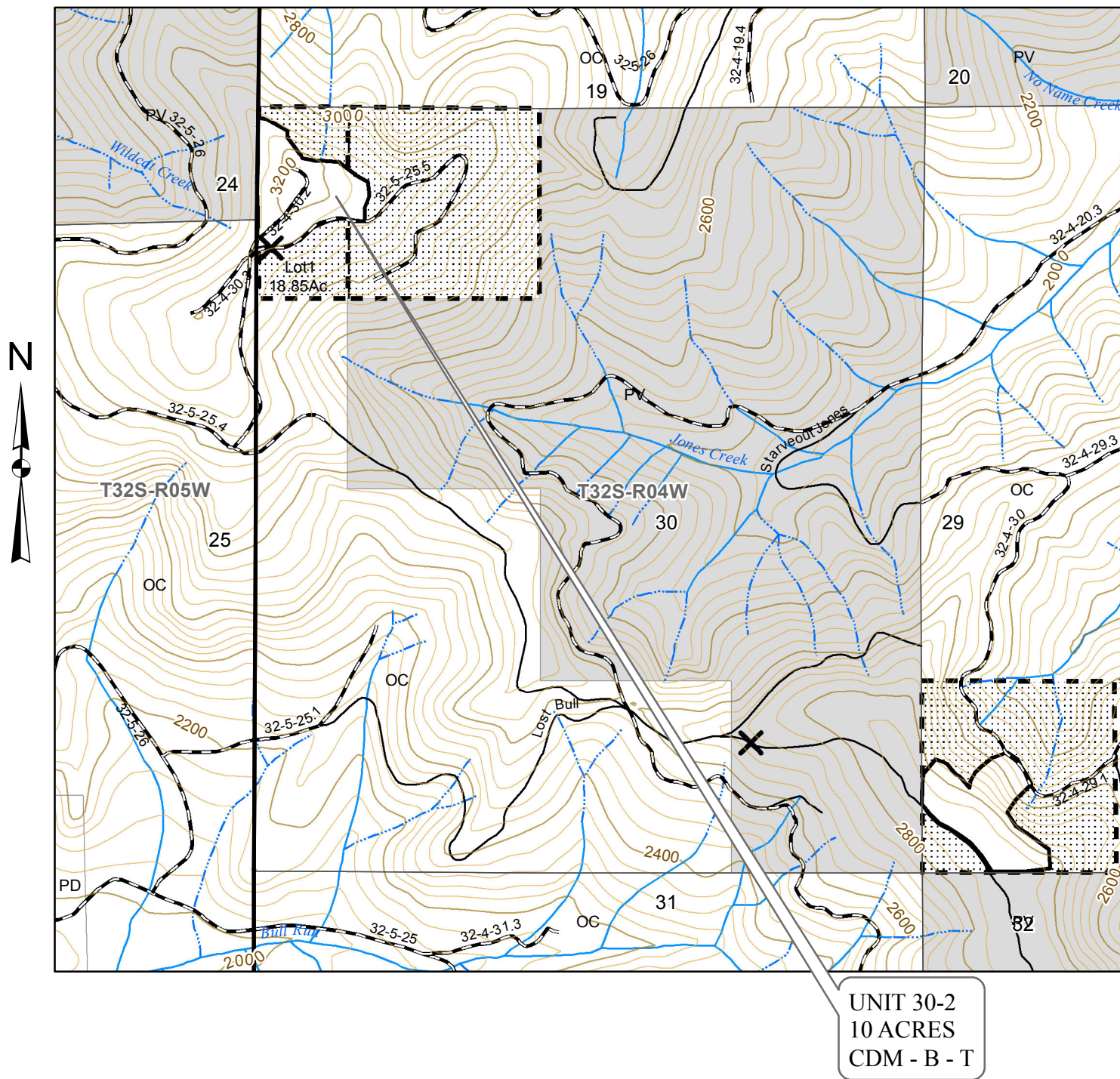
United States Department of the Interior
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CONTOUR INTERVAL 40 FEET

0 500 1,000 2,000 Feet





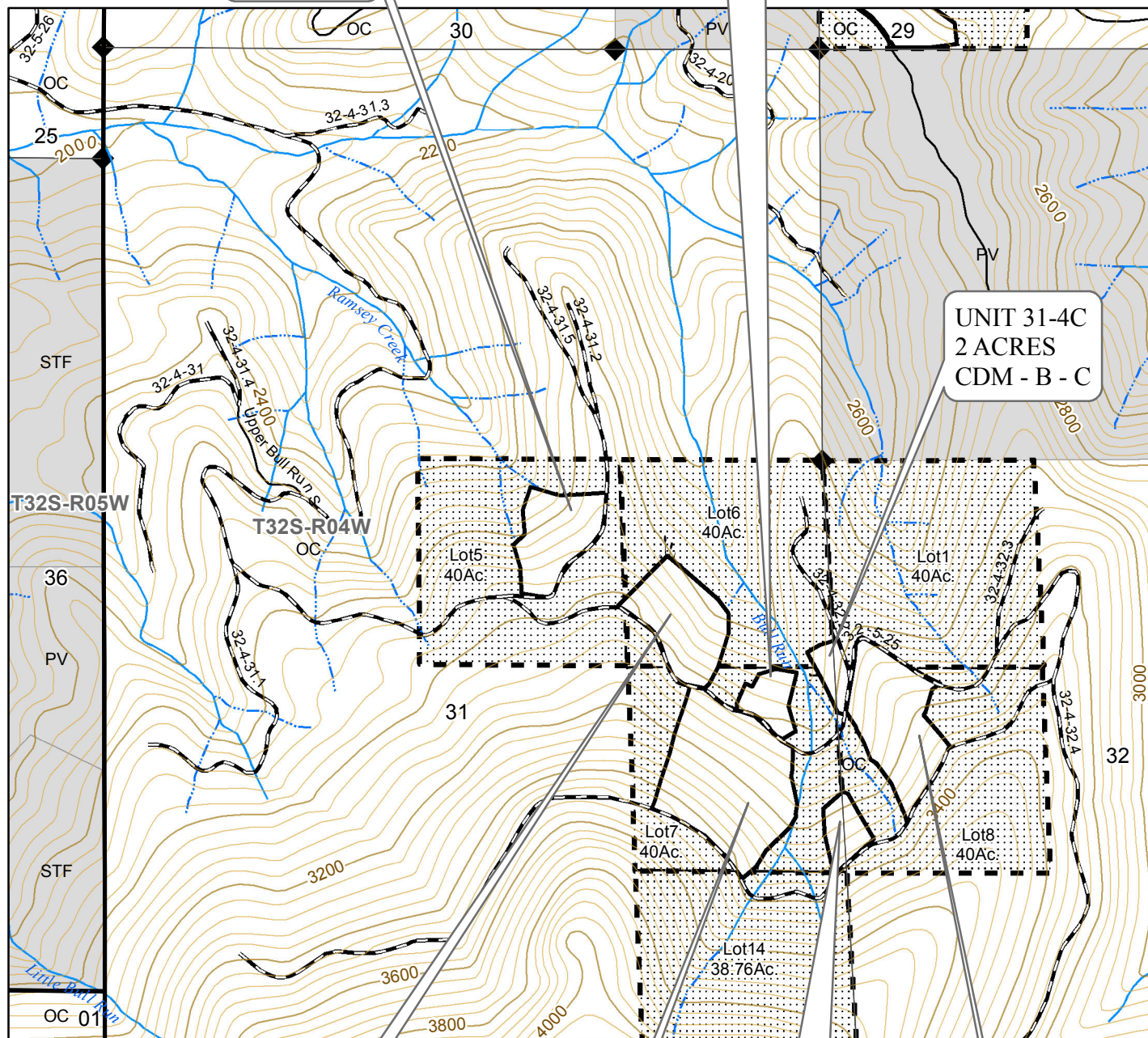
United States Department of the Interior
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CONTOUR INTERVAL 40 FEET

0 500 1,000 2,000 Feet

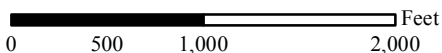




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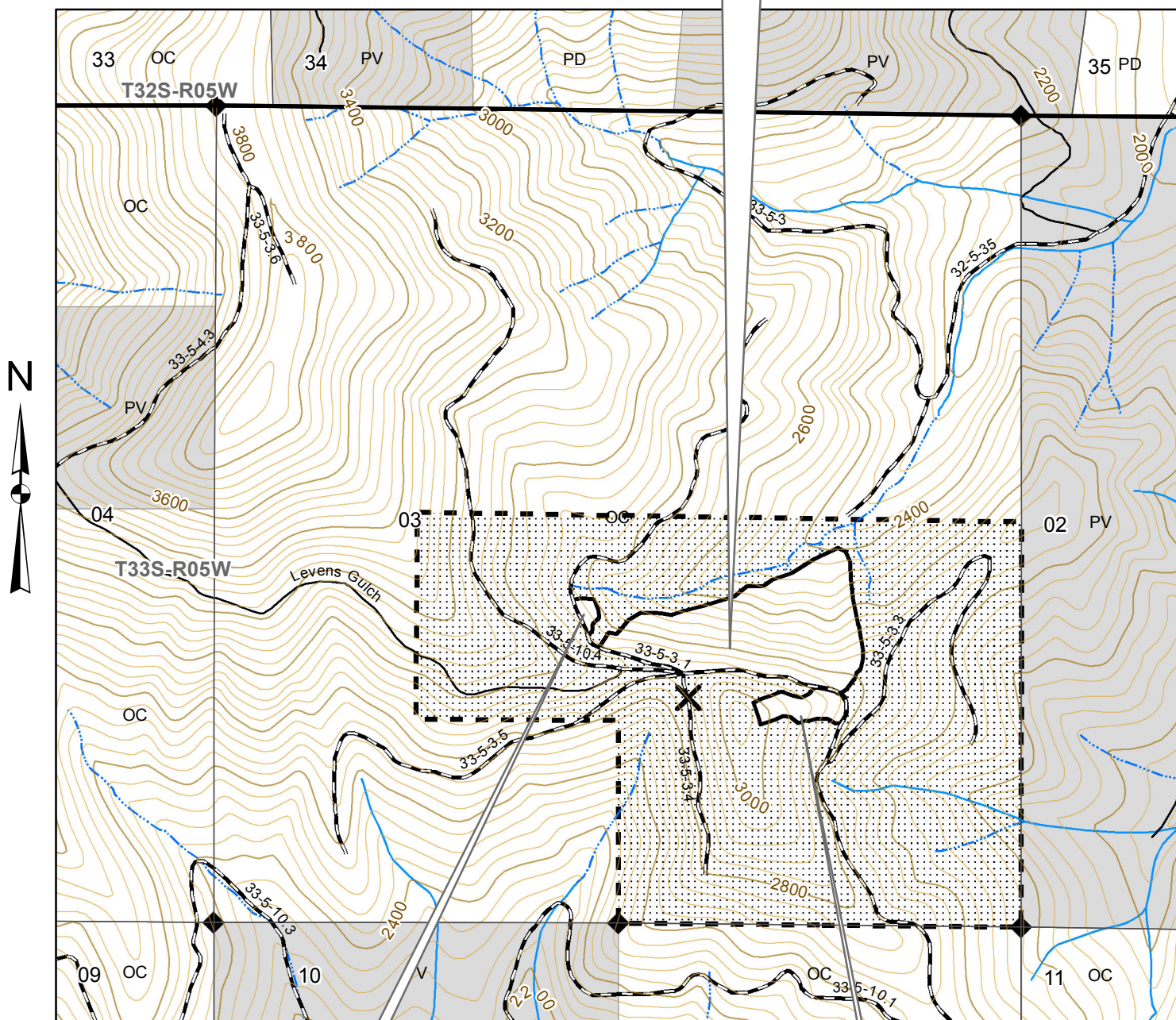
CONTOUR INTERVAL 40 FEET



UNIT 3-2
20 ACRES
CDM - B - C

UNIT 3-2
1 ACRES
CDM - B - C

UNIT 3-2
2 ACRES
CDM - B - T



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


















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CONTOUR INTERVAL 40 FEET




0 500 1,000 2,000 Feet



Legend

	Boundary of Contract Area		BLM Roads		Power Line
	Boundary of Cutting Area		Other Roads		Mining Ditch
	Reserve Area		Jeep Road		Corner
	Federal Land		Temp Road		Seed Tree Location
	Private Land		Perennial		Barricade
	Section		Intermittent		Gate
					Wet Area
				BC	Brass Cap
					Index 40' Contour
					Intermediate Contour

SUMMARY

CDM-B-C	COMMERCIAL DENSITY MANAGEMENT-BLUE MARK CUT TREE-CABLE YARD (UNITS 3-1A, 3-2, 13-1A, 25N-2A, 25N-3A, 28-1, 29-3, 31-4, 31-4A, 31-4B, 31-4C, 31-5)	125 ACRES
CDM-O-C	COMMERCIAL DENSITY MANAGEMENT-ORANGE MARK LEAVE TREE-CABLE YARD (UNITS S28-1N, S28-1S, S29-1N, S29-1S)	88 ACRES
CDM-B-T	COMMERCIAL DENSITY MANAGEMENT-BLUE MARK CUT TREE-TRACTOR YARD (UNITS 3-2, 30-2)	12 ACRES
CDM-O-T	COMMERCIAL DENSITY MANAGEMENT-ORANGE MARK LEAVE TREE-TRACTOR YARD (UNIT S21-2N)	4 ACRES
	TOTAL TIMBER SALE UNIT AREA	229 ACRES
	RESERVE AREA	1170.18 ACRES
	TOTAL CONTRACT AREA	1399.18 ACRES

SUMMARY

Unit	Acres	Harvest Type	Logging System	Paint Color
3-1A	11	CDM	C	B
3-2	23	CDM	C (21 Acres)	B
			T (2 Acres)	
13-1A	12	CDM	C	B
25N-2A	11	CDM	C	B
25N-3A	5	CDM	C	B
28-1	10	CDM	C	B
29-3	9	CDM	C	B
30-2	10	CDM	T	B
31-4	28	CDM	C	B
31-4A	8	CDM	C	B
31-4B	2	CDM	C	B
31-4C	2	CDM	C	B
31-5	6	CDM	C	B
S21-2N	4	CDM	T	O
S28-1N	9	CDM	C	O
S28-1S	6	CDM	C	O
S29-1N	15	CDM	C	O
S29-1S	58	CDM	C	O
Totals	229			

*ALL ACRES COMPUTED BY GPS TRAVERSE

*BOUNDARIES OF HARVEST UNITS ARE POSTED AND
PAINTED IN ORANGE

CDM= COMMERCIAL DENSITY MANAGEMENT

C= CABLE

T = TRACTOR

B = BLUE PAINT

O = ORANGE PAINT



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

District : Medford
Sale Name : Slim
Sale Date : 11/17/2011
Appraisal Method : 16' MBF

Contract # : TS 12-08
Job File # : M11264
Master Unit : Josephine
Planning Unit : Glendale

Contents

Exhibit B

2

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

Medford
Slim
TS 12-08

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	1,528		
Ponderosa Pine	2		
Incense-cedar	1		
Western Hemlock	1		
Sale Totals	1,532		

Unit Details (16' MB)

Unit 13-1A **12 Acres** **Value per Acre : \$0.00**

Species	Net Volume	Bid Price	Species Value
Douglas-fir	86		
Western Hemlock	1		
Unit Totals	87		

Unit 25-2A **11 Acres** **Value per Acre : \$0.00**

Species	Net Volume	Bid Price	Species Value
Douglas-fir	57		
Unit Totals	57		

Unit 25-3A **5 Acres** **Value per Acre : \$0.00**

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

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

Medford
Slim
TS 12-08

Unit 28-1 10 Acres Value per Acre : \$0.00

Species	Net Volume	Bid Price	Species Value
Douglas-fir	80		
Unit Totals	80		

Unit 29-3 9 Acres Value per Acre : \$0.00

Species	Net Volume	Bid Price	Species Value
Douglas-fir	47		
Unit Totals	47		

Unit 30-2 10 Acres Value per Acre : \$0.00

Species	Net Volume	Bid Price	Species Value
Douglas-fir	76		
Unit Totals	76		

Unit 31-4 28 Acres Value per Acre : \$0.00

Species	Net Volume	Bid Price	Species Value
Douglas-fir	198		
Incense-cedar	1		
Unit Totals	199		

Unit 31-4A 8 Acres Value per Acre : \$0.00

Species	Net Volume	Bid Price	Species Value
Douglas-fir	27		
Unit Totals	27		

Unit 31-4B 2 Acres Value per Acre : \$0.00

Species	Net Volume	Bid Price	Species Value
Douglas-fir	11		
Unit Totals	11		

Unit 31-4C 2 Acres Value per Acre : \$0.00

Species	Net Volume	Bid Price	Species Value
Douglas-fir	5		
Unit Totals	5		

**UNITED STATES
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BUREAU OF LAND MANAGEMENT**

Medford
Slim
TS 12-08

Unit 31-5 6 Acres Value per Acre : \$0.00

Species	Net Volume	Bid Price	Species Value
Douglas-fir	77		
Unit Totals	77		

Unit 3-1A 11 Acres Value per Acre : \$0.00

Species	Net Volume	Bid Price	Species Value
Douglas-fir	47		
Unit Totals	47		

Unit 3-2 23 Acres Value per Acre : \$0.00

Species	Net Volume	Bid Price	Species Value
Douglas-fir	223		
Unit Totals	223		

Unit S21-2N 4 Acres Value per Acre : \$0.00

Species	Net Volume	Bid Price	Species Value
Douglas-fir	29		
Unit Totals	29		

Unit S28-1N 9 Acres Value per Acre : \$0.00

Species	Net Volume	Bid Price	Species Value
Douglas-fir	72		
Unit Totals	72		

Unit S28-1S 6 Acres Value per Acre : \$0.00

Species	Net Volume	Bid Price	Species Value
Douglas-fir	57		
Unit Totals	57		

Unit S29-1N 15 Acres Value per Acre : \$0.00

Species	Net Volume	Bid Price	Species Value
Douglas-fir	133		
Unit Totals	133		

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

Medford
Slim
TS 12-08

Unit **S29-1S** **58 Acres** **Value per Acre : \$0.00**

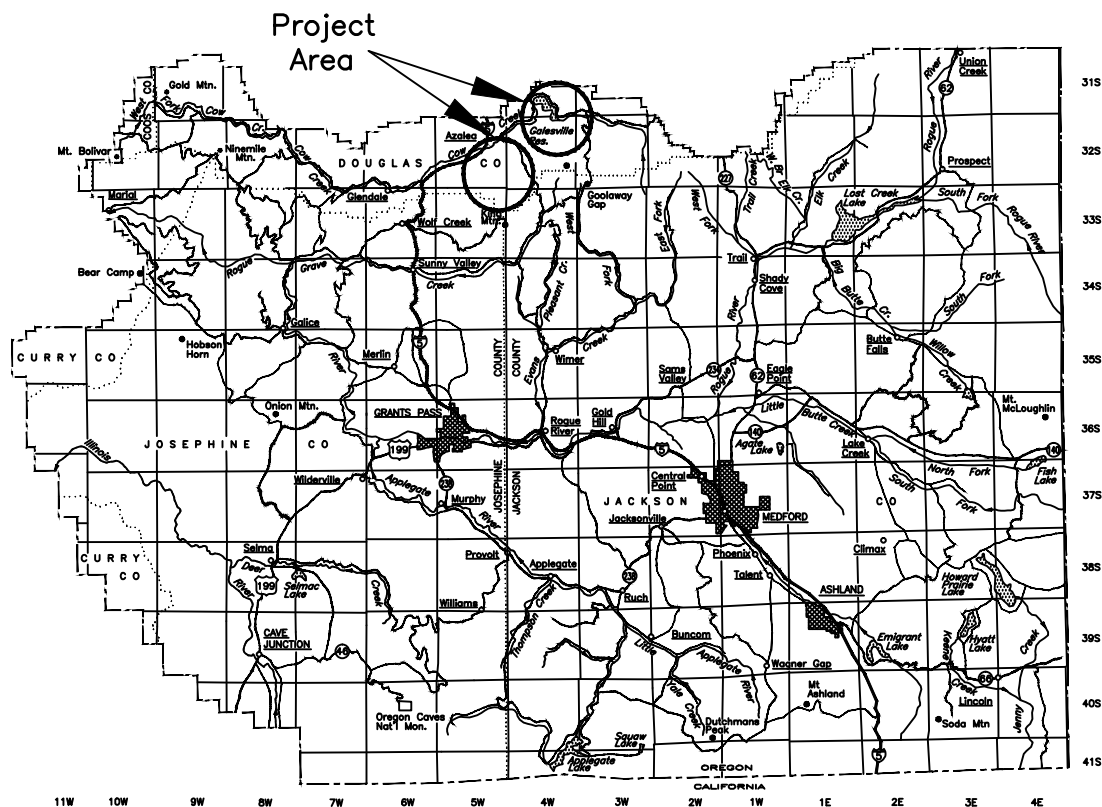
Species	Net Volume	Bid Price	Species Value
Douglas-fir	287		
Ponderosa Pine	2		
Unit Totals	289		

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

SLIM TIMBER SALE
TRACT NO. TS-12-08

EXHIBIT C _1_
SHEET _1_ OF _1_

Exhibit No.	Description
C1	TITLE SHEET
C2	ROAD LOCATION MAP
C3	ESTIMATE OF QUANTITIES SHEET
C4	SPECIFICATION SHEET
C5	TYPICAL ROAD DATA
C6	ROADSIDE BRUSHING DETAIL
C7	DRAINAGE & EROSION CONTROL
C8	ROAD CLOSURE DETAIL
C9	ROAD RENOVATION WORK LIST
C10	WRITTEN SPECIFICATIONS
C11	SPECIAL PROVISIONS
D1	ROAD MAINTENANCE MAP
D2	ROAD MAINTENANCE SPECIFICATIONS

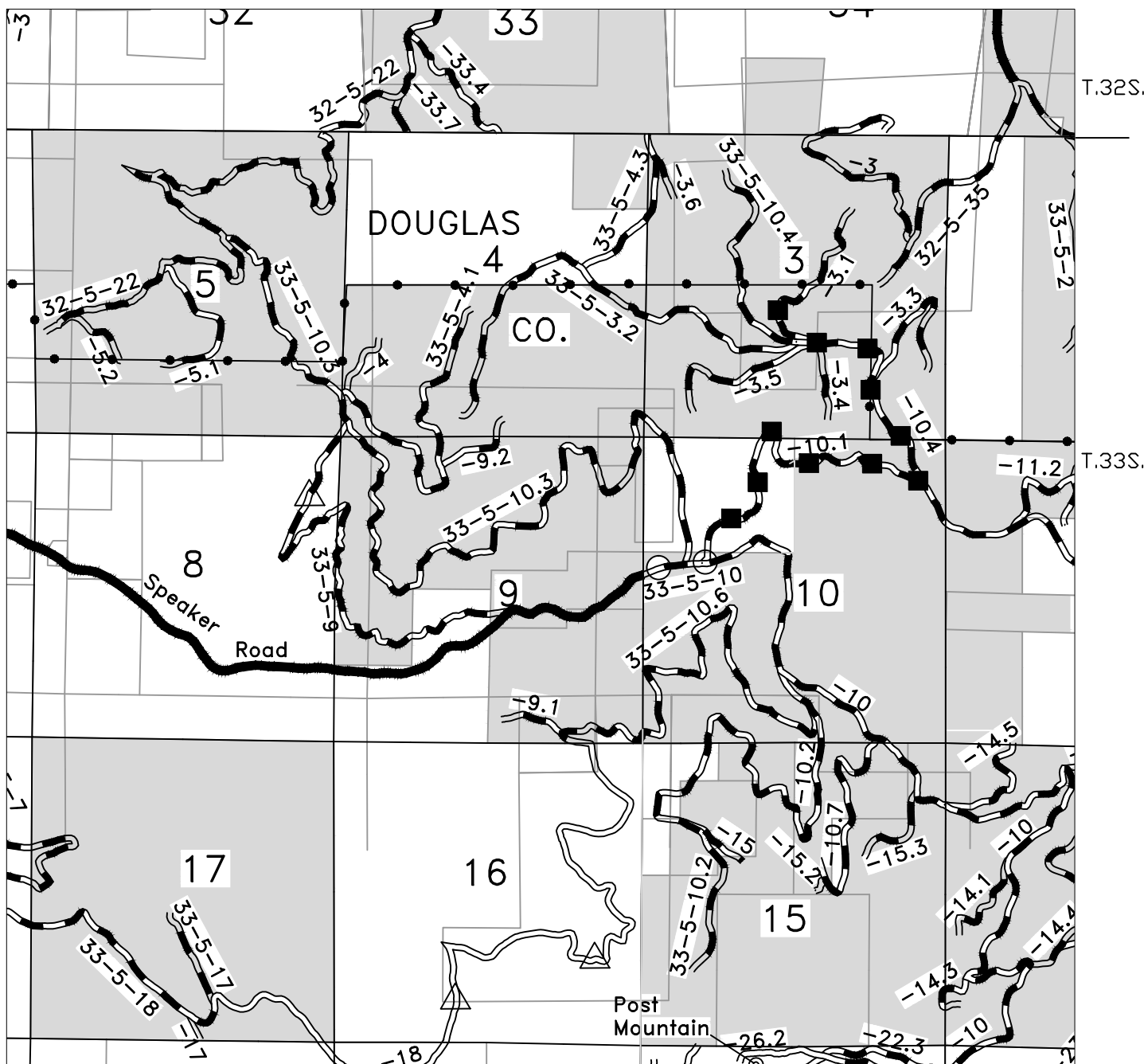


0 6 12
SCALE IN MILES

ALWAYS
THINK
SAFETY

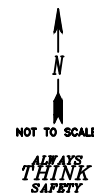
REV. NO.	DESCRIPTION	DATE	APPROV.
UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT MEDFORD DISTRICT - MEDFORD, OREGON			
TITLE SHEET			
DESIGNED			
REVIEWED			
APPROVED			
DRAWN:	JAB	SCALE	AS SHOWN
DATE	MAY 2011	SHEET	OF
DRAWING NO.	OR-11-9113.4-1		

R. 5 W

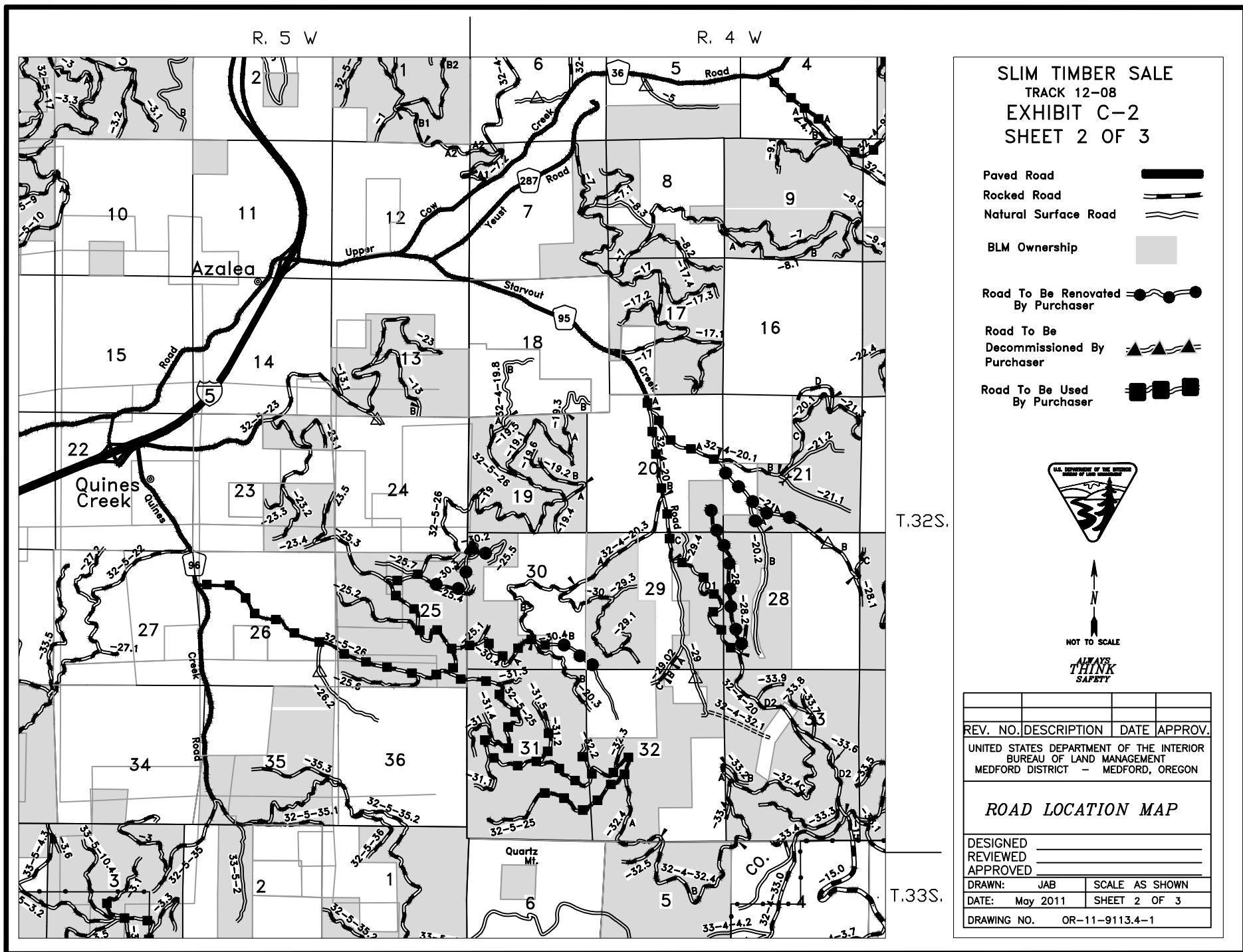


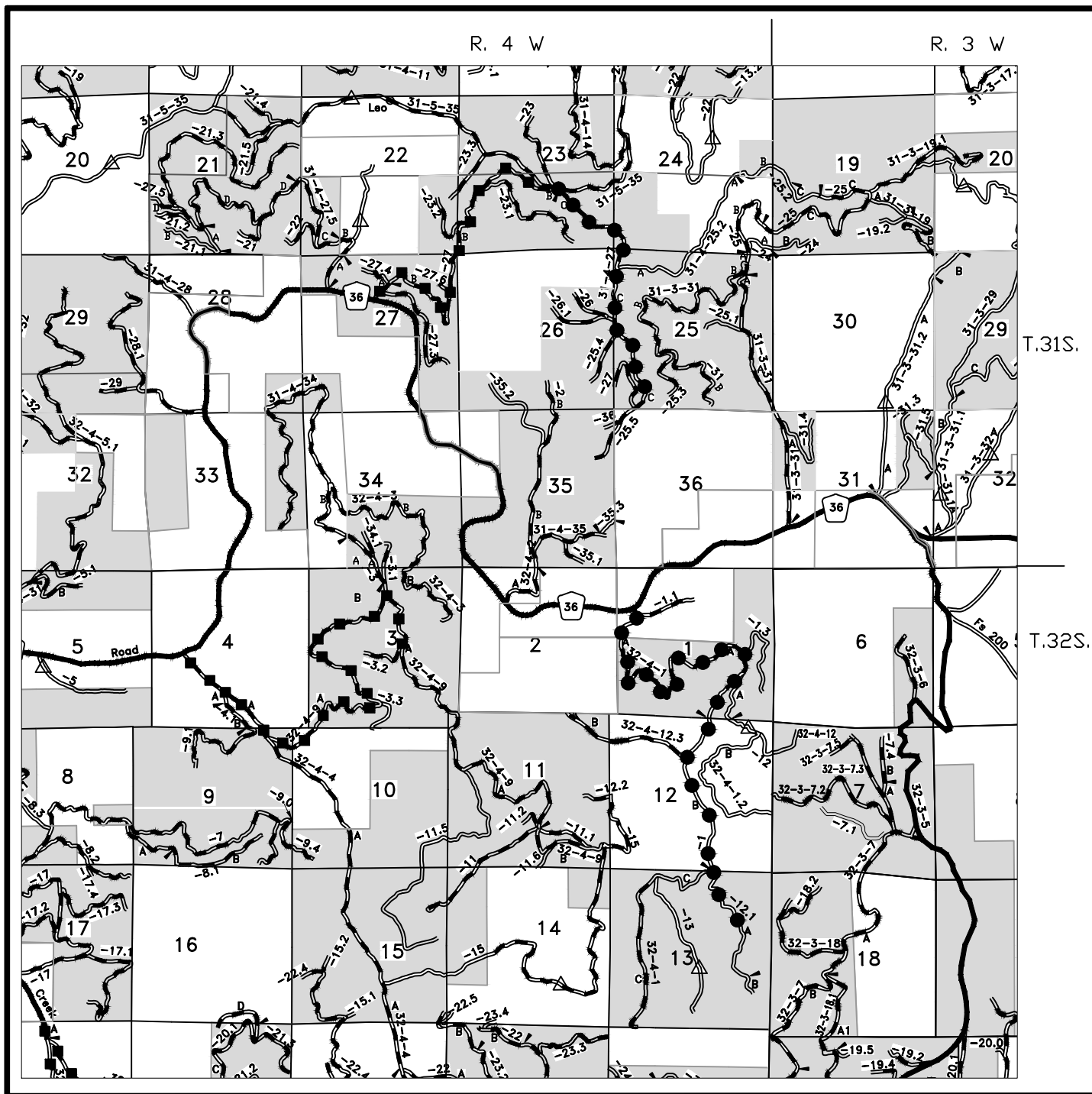
SLIM Timber Sale
TRACK # 12-08
EXHIBIT C-2
SHEET 1 of 3

- Paved Road
- Rocked Road
- Natural Surface Road
- BLM Ownership
- Road To Be Used By Purchaser
- Road To Be Renovated By BLM



REV.	NO.	DESCRIPTION	DATE	APPROV.
		UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT MEDFORD DISTRICT - MEDFORD, OREGON		
ROAD LOCATION MAP				
DESIGNED				
REVIEWED				
APPROVED				
DRAWN:	JAB	SCALE	NONE	
DATE:	May 2011	SHEET	1 OF 3	
DRAWING NO.	OR-11-9113.4-1			





SLIM TIMBER SALE

TRACK 12-08

EXHIBIT C-2

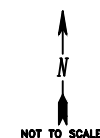
SHEET 3 OF 3

Paved Road 
 Rocky Road 
 Natural Surface Road 

BLM Ownership 

Road To Be Renovated
By Purchaser 

Road To Be Used
By Purchaser 



NOT TO SCALE

ALWAYS
THINK
SAFETY

REV.	NO.	DESCRIPTION	DATE	APPROV
UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT MEDFORD DISTRICT - MEDFORD, OREGON				
<i>ROAD LOCATION MAP</i>				
DESIGNED _____				
REVIEWED _____				
APPROVED _____				
DRAWN: JAB		SCALE AS SHOWN		
DATE: May 2011		SHEET 3 OF 3		
DRAWING NO.		OR-11-9113.4-1		

ROAD NUMBER	FROM	TO	LENGTH	CLEARING AND GRUBBING	EXCAVATION		CORRUGATED METAL PIPE								RENOVATION	WATER DIPS/ WATER BARS	EXHIBIT C-3							
					ROCK	COMMON	SIZE				FULL/HALF ROUND DOWNSPOUT						Slim T.S.			SHEET 1 OF 1				
							18"	24"	30"	ELBOWS	FULL/HALF ROUND	FULL/HALF ROUND	RECT. FLUME	RECT. FLUME			AGGREGATE			ROADSIDE BRUSHING AND SCATTERING	ROADSIDE BRUSHING AND CHIPPING	DISCONTINUOUS RIPPING	ROAD BARRICADE	
																	PIT RUN	CRUSHED BASE	CRUSHED SURFACE					
SPECIFICATION NO.→→→→→→→→→→				200	300	300	400	400	400	400	400	400	400	400	500		700	1000	1200	2100	2100			
UNIT→→	MP	MP	MILE	ACRE	C.Y.	C.Y.	L.F.	L.F.	L.F.	L.F.	L.F.	L.F.	L.F.	L.F.	MILE	EA.	C.Y.	C.Y.	C.Y.	MILE	MILE	MILE	EA.	
31-4-27.0 B-C	0.00	3.90	3.90												1.54				1.54					
32-4-1.0 A	0.00	2.32	2.32												2.32				2.32					
32-4-1.0 B	2.32	3.68	1.36												1.36				1.36					
32-4-4.0 A	0.00	0.73	0.73																					
32-4-9.0 A	0.00	2.90	2.90																					
32-4-12.1 A	0.00	0.45	0.45											0.45				0.45						
32-4-20.0 A-D1	0.00	2.48	2.48																					
32-4-20.1 A	0.00	0.65	0.65																					
32-4-20.2 A-B	0.00	0.40	0.40											0.40						0.40				
32-4-21.0 A	0.00	0.30	0.30											0.30						0.30				
32-4-28.0	0.00	1.19	1.19											1.19						0.69				
32-4-30.2	0.00	0.16	0.16																		0.16	1		
32-4-30.4 A-D	0.00	1.31	1.31											0.42				0.42					1	
32-4-31.2	0.00	0.30	0.30																					
32-4-32.2	0.00	0.27	0.27																					
32-5-25.0 A-C	0.00	3.70	3.70																					
32-5-25.1	0.00	0.22	0.22																					
32-5-25.4	0.00	0.39	0.39											0.39						0.39				
32-5-25.5	0.00	0.44	0.44											0.44						0.44			1	
32-5-26.0 A-C2	0.00	3.58	3.58																					
33-5-3.1	0.00	0.30	0.30																					
33-5-10.0 A-B	0.00	0.29	0.29																					
33-5-10.1 A	0.00	1.26	1.26																					
33-5-10.4 A	0.00	0.81	0.81																					
			29.71												8.81				6.09	2.22	0.16	3		

REV. NO.

DESCRIPTION

DATE

APPROV.

UNITED STATES DEPARTMENT OF THE INTERIOR

BUREAU OF LAND MANAGEMENT

MEDFORD DISTRICT - MEDFORD

OREGON

ESTIMATE OF QUANTITIES*

DESIGN

REVIEWED

APPROVED

DRAWN JAB

SCALE

2011

SHEET 1 OF 1

DRAWING NO.

*FOR INFORMATIONAL USE ONLY,

QUANTITIES SHOWN ARE NOT PAY ITEMS

ROAD NUMBER	BEGIN MILE POST	END MILE POST	LENGTH	TYPICAL SECT. TYPE	ALIGNMENT	ROAD WIDTH ¹⁻³		GRADIENT		BRUSHING WIDTH				SURFACING ³								REMARKS	
					MAX DEGREE OF CURVE	SUBGRADE (ft)	DITCH (ft)	MAX FAVORABLE (%)	MAX ADVERSE (%)	TOP CUT	TOE FILL	EXISTING RD	L	R	BASE COURSE				SURFACE COURSE				
															MIN. WIDTH	COMP. DEPTH	TYPE ²	GRADING	MIN. WIDTH	COMP. DEPTH (IN)	TYPE ²		GRADING
31-4-27.0 B-C	0.00	3.90	3.90	6		17	3	10	10										8	D			
32-4-1.0 A	0.00	2.32	2.32	6		16	3	17	3										6	D			
32-4-1.0 B	2.32	3.68	1.36	6		16	3	5	5										4	A			
32-4-4.0 A	0.00	0.73	0.73	6		20	3	0	0										12	D			
32-4-9.0 A	0.00	2.90	2.90	6		16	3	12	3										10	D			
32-4-12.1 A	0.00	0.45	0.45	2		14	0	8	7										4	A			
32-4-20.0 A-D1	0.00	2.48	2.48	6		20	3	15	5										12	D			
32-4-20.1 A	0.00	0.65	0.65	6		14	3	6	0										8	D			
32-4-20.2 A-B	0.00	0.40	0.40	6		16	3	6	0										4	A			
32-4-21.0 A	0.00	0.30	0.30	6		16	3	9	0										4	A			
32-4-28.0	0.00	1.19	1.19	4		16	0												6	A			
32-4-30.2	0.00	0.16	0.16	4		16	0												3	D			
32-4-30.4 A-D	0.00	1.31	1.31	6/3		16/14	3/0	12	0										6	D/E			
32-4-31.2	0.00	0.30	0.30	4		16	0												6	D			
32-4-32.2	0.00	0.27	0.27	4		14													4	D			
32-5-25.0 A-C	0.00	3.70	3.70	6		16	3	5	10										6	D			
32-5-25.1	0.00	0.22	0.22	6		16	3												6	B			
32-5-25.4	0.00	0.39	0.39	4		14	0	5	8										6	B			
32-5-25.5	0.00	0.44	0.44	3		16	0	12	8											E			
32-5-26.0 A-C2	0.00	3.58	3.58	6		16	3	17	5										6	D			
33-5-3.1	0.00	0.30	0.30	4		16	0	3	8										6	A			
33-5-10.0 A-B	0.00	0.29	0.29	6		16	3	3	0										8	D			
33-5-10.1 A	0.00	1.26	1.26	6		16	3	14	0										6	A			
33-5-10.4 A	0.00	0.81	0.81	6		16	3	8	0										4	A			
			29.71																				

EXHIBIT C-4
SLIM T.S. SHEET 1 OF 1

NOTES

1. EXTRA SUBGRADE WIDTHS.
Add to each fill shoulder 1 ft. for fills of 1-6 ft. and 2 ft. for fills over 6 ft. Widen the inside shoulder of all curves as follows:
When the degree of curve equals:
7-21 add 1 ft.
22-33 add 2 ft.
36-48 add 3 ft.
49-64 add 4 ft.
65-96 add 5 ft.

MATERIAL CUT SLOPES FILL SLOPE

common 1/2 : 1 1 1/2 : 1
soft rock 1/2 : 1 1 1/2 : 1
shale 1/2 : 1 1 1/2 : 1
solid rock 1/2 : 1 angle of repose

2. SURFACING TYPES

A. Pit run rock
B. Grid rolled rock material
C. Screened rock material
D. Crushed rock material
E. Natural Surface

3. TURNOUTS

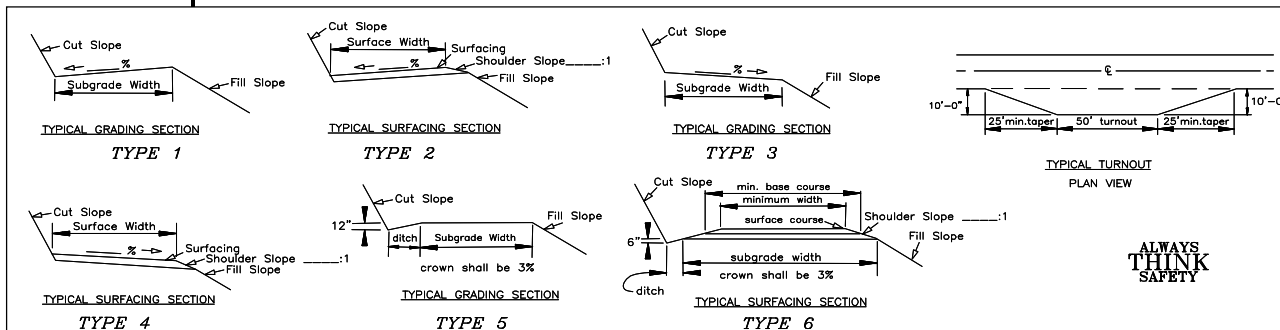
A. Width 10 ft. in addition to subgrade width, or as shown on the plans.
B. Located approximately as shown on the road plans.
C. Invisible and not more than 750 ft. apart.

4. SURFACING

Turnouts, curve widening and road approach aprons shall not be surfaced.

5. CLEARING WIDTH

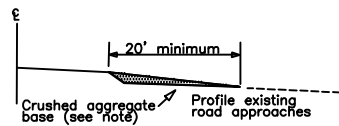
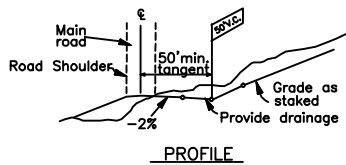
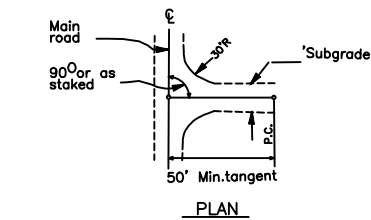
See subsection 2100



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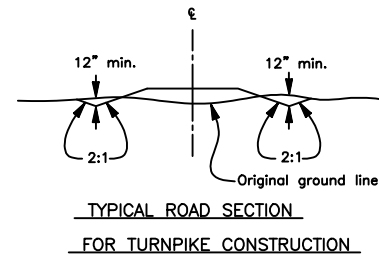
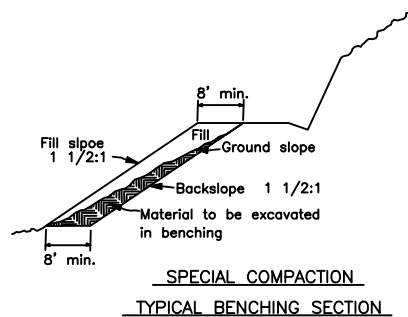
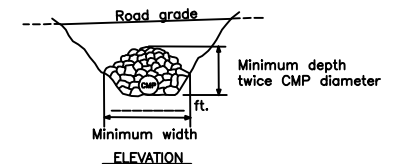
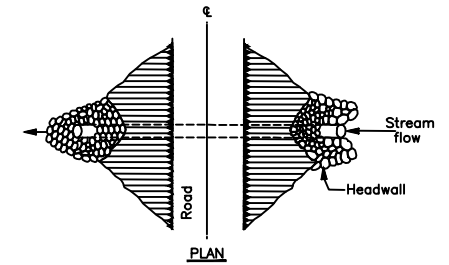
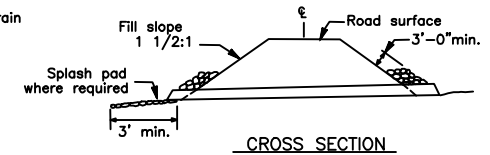
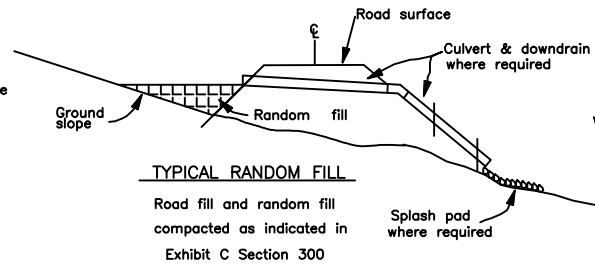
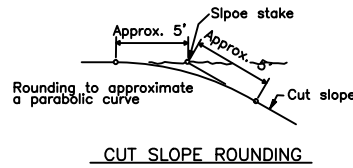
REV. NO.	DESCRIPTION	DATE	APPROV.
	UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT MEDFORD DISTRICT - MEDFORD, OREGON		
SPECIFICATION SHEET			
DESIGNED			
REVIEWED			
APPROVED			
DRAWN : CLS	SCALE	NONE	
DATE 07-10	SHEET	1	OF 1
DRAWING NO.			

TYPICAL ROAD APPROACHES



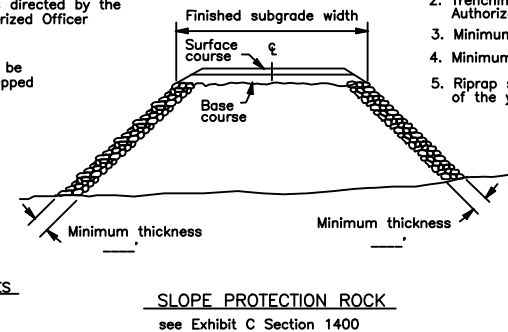
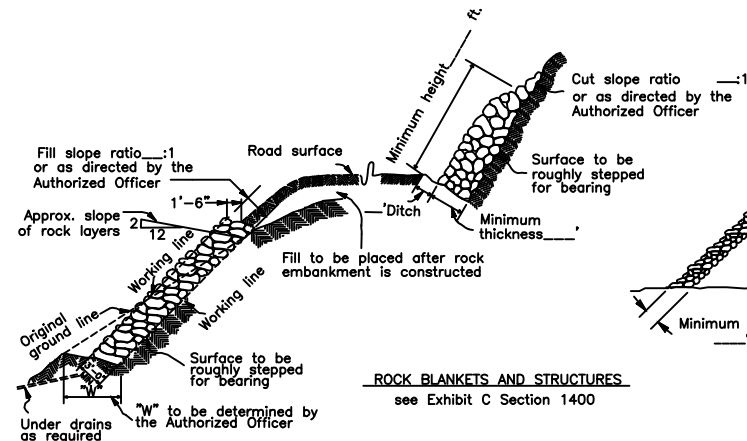
NOTES:

1. The profile of the existing approach roads shall be tapered to meet the shoulder line of the main roadway and shall receive the same wearing surface.
2. The crushed aggregate base shall be of the same gradation as used in the adjacent roadbed.
3. Approaches shall be finished with the same treatment as shown for the adjacent roadbed.



NOTES: RIPRAP AT CULVERTS

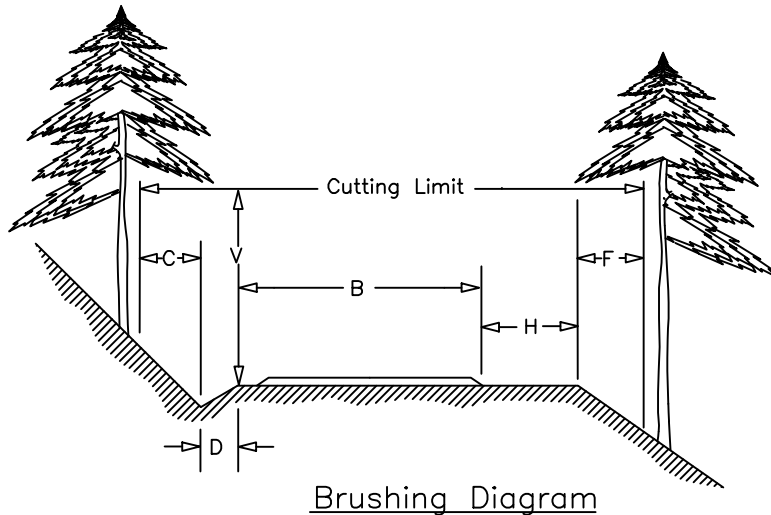
1. Riprap shall be placed in such a manner that it will not damage the culvert.
2. Trenching will be done as required by the Authorized Officer.
3. Minimum depth of splash pads shall be 1 ft.
4. Minimum quantity shall be 1 CY per CMP.
5. Riprap shall be placed before October first of the year the CMP is installed.



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REV. NO.	DESCRIPTION	DATE	APPROVED
UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT MEDFORD DISTRICT MEDFORD, OREGON			
<i>TYPICAL ROAD DATA</i>			
DESIGNED _____			
REVIEWED _____			
APPROVED _____			
DRAWN JAB		SCALE NONE	
DATE MAY 2011		SHEET 1 OF 1	
DRAWING NO. OR-11-9113.4-4			

EXHIBIT C 6
SHEET 1 *OF* 1



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

B = Basic Traveled Way (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

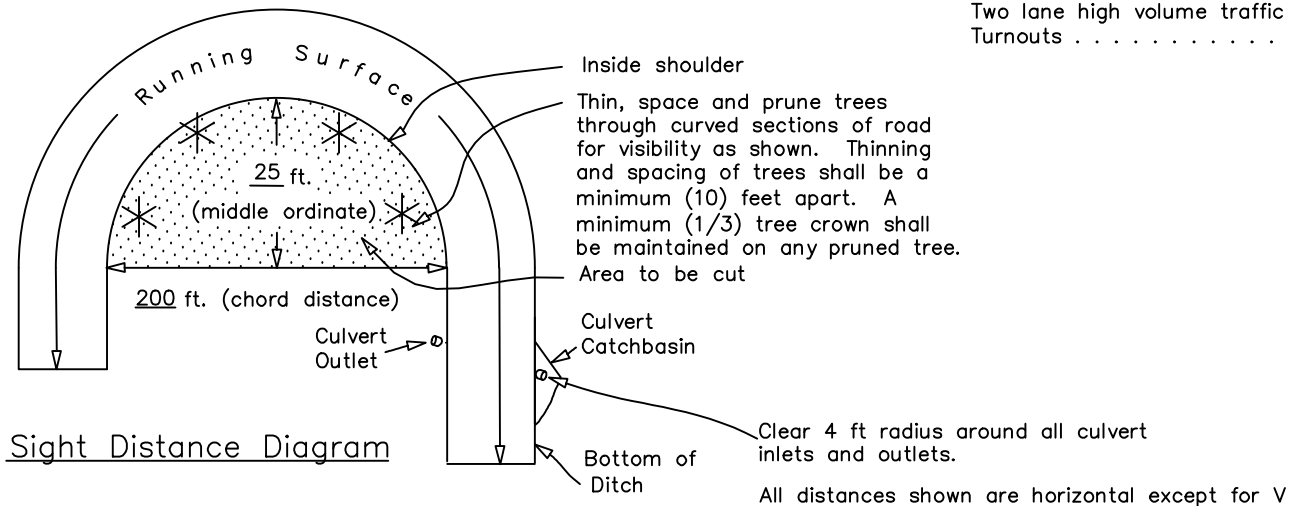
H = Variable distance between edge of traveled way and
 outside shoulder (does not include turnout widths)

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)

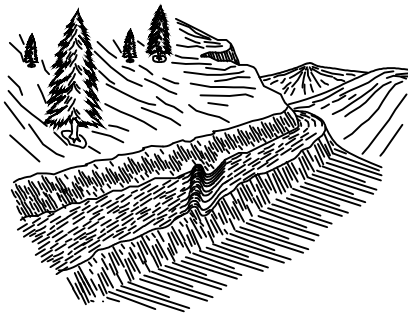
V = 14 ft – Height of vertical cutting limit

Typical Basic Traveled Way widths

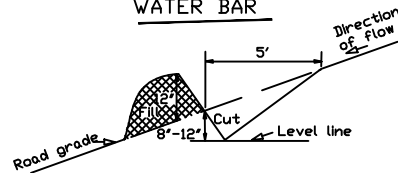
One lane low traffic volume 12 to 16 ft
 One lane medium traffic volume . . 16 to 20 ft
 Two lane high volume traffic 20 to 40 ft
 Turnouts 10 ft



REV. NO.	DESCRIPTION	DATE	APPROV.
UNITED STATES DEPARTMENT OF THE INTERIOR			
BUREAU OF LAND MANAGEMENT			
MEDFORD DISTRICT - MEDFORD, OREGON			
ROADSIDE BRUSHING			
DETAIL			
Designed			
REVIEWED			
APPROVED			
DRAWN: JAB	SCALE: AS SHOWN		
DATE May 2011	SHEET 1 OF 1		
DRAWING NO.			

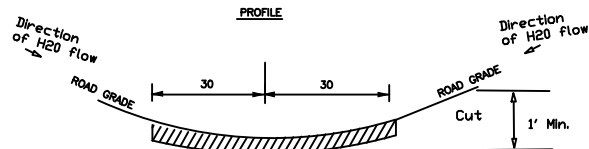


WATER BAR

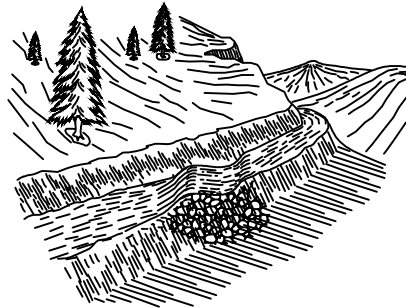


1. WATER BARS SHALL BE CONSTRUCTED AS SHOWN ABOVE.
2. EXACT LOCATION WILL BE FLAGGED BY THE AUTHORIZED OFFICER PRIOR TO CONSTRUCTION.
3. ALL WATER BARS SHALL BE SKEWED 30 DEGREES
4. UPON COMPLETION OF SKIDDING LOGS, FOR THE LOGGING SEASON, EACH SKID ROAD WILL HAVE CROSS DRAINAGE CONSTRUCTED AS SHOWN ABOVE.

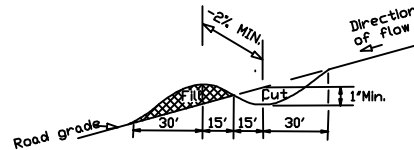
SAG DIP **



1. SAG DIPS SHALL BE CONSTRUCTED AS SHOWN ABOVE.
2. EXACT LOCATION WILL BE FLAGGED BY THE AUTHORIZED OFFICER PRIOR TO CONSTRUCTION
3. ALL SAG DIPS SHALL BE SKEWED @ 0 DEGREES.
4. THE LENGTH SHALL BE SUFFICIENT TO EXTEND FROM THE CUT BANK TO THE FILL SLOPE AND BE READILY CROSSED BY PASSENGER TYPE VEHICLES
5. BOTTOM OF SAG DIP SHALL HAVE A 2% MINIMUM OUTSLOPE
6. PLACE, SPREAD AND COMPACT 20 CU. YDS. SURFACING MATERIAL IN DIP AREA TO MATCH ROAD SURFACING FOR FULL WIDTH OF ROAD.
7. WHERE SPECIFIED, OUTLET OF SAG DIP ON FILL SLOPES SHALL BE ARMORED WITH CLASS 3 RIP RAP ROCK. ROCK WILL BE PLACED FROM OUTLET TO NATURAL GROUND. (ESTIMATED 5 CU.YDS).

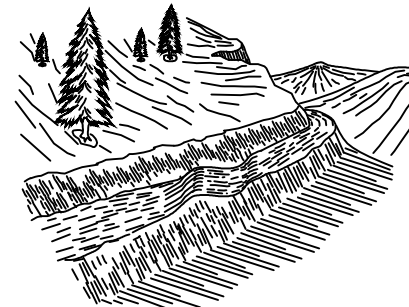


**WATER DIP **
ARMORED**

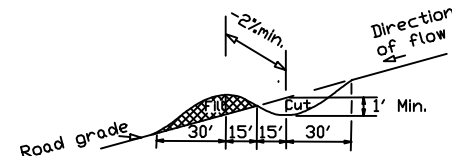


1. WATER DIPS SHALL BE CONSTRUCTED AS SHOWN ABOVE.
2. EXACT LOCATION WILL BE FLAGGED BY THE AUTHORIZED OFFICER PRIOR TO CONSTRUCTION.
3. ALL WATER DIPS SHALL BE SKEWED 30 DEGREES.
4. THE LENGTH SHALL BE SUFFICIENT TO EXTEND FROM THE CUT BANK TO THE FILL SLOPE AND BE READILY CROSSED BY PASSENGER TYPE VEHICLES.
5. PLACE, SPREAD, AND COMPACT 20 C.Y SURFACING MATERIAL IN DIP AREA TO MATCH ROAD SURFACING FOR FULL WIDTH OF ROAD.
6. ROCK OUTLET OF WATER DIP ON FILL SLOPE. ROCK WILL BE PLACED FROM OUTLET TO NATURAL GROUND (ESTIMATED 5 CU.YDS) OF CLASS 3 RIP RAP ROCK.

** Conserve surfacing prior to construction of waterdip. Replace surfacing after construction. Add additional 20 C.Y. surfacing and compact as shown in Sec 1212.

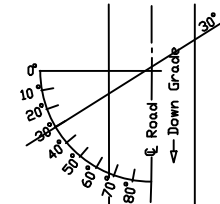


WATER DIP **



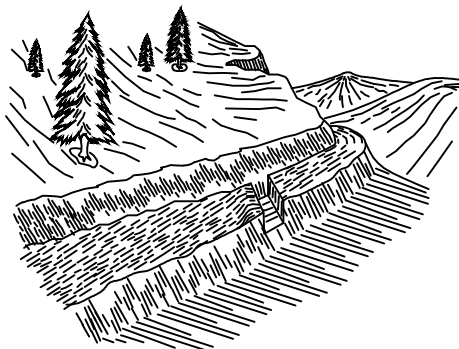
1. WATER DIPS SHALL BE CONSTRUCTED AS SHOWN ABOVE.
2. EXACT LOCATION WILL BE FLAGGED BY THE AUTHORIZED OFFICER PRIOR TO CONSTRUCTION
3. ALL WATER DIPS SHALL BE SKEWED 30 DEGREES.
4. THE LENGTH SHALL BE SUFFICIENT TO EXTEND FROM THE CUT BANK TO THE FILL SLOPE AND BE READILY CROSSED BY PASSENGER TYPE VEHICLES
5. PLACE, SPREAD AND COMPACT 20 CU. YDS. SURFACING MATERIAL IN DIP AREA TO MATCH ROAD SURFACING FOR FULL WIDTH OF ROAD.

SKEW DIAGRAM

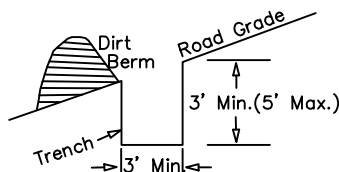


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REV. NO.	DESCRIPTION	DATE	APPROV.
UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT MEDFORD DISTRICT - MEDFORD, OREGON			
DRAINAGE & EROSION CONTROL INSTALLATION			
DESIGNED _____			
REVIEWED _____			
APPROVED _____			
DRAWN	JAB	SCALE	NONE
DATE	May 2011	SHEET	1 OF 1
DRAWING NO.	DR-11-9113.4-9		



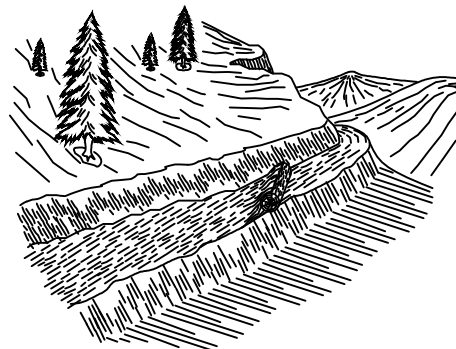
TRENCH BARRICADE



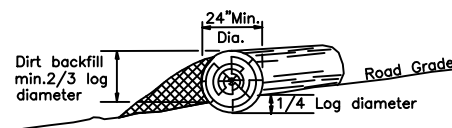
1. BARRICADE LENGTH SHALL EXTEND ACROSS THE ENTIRE ROAD SURFACE TO A POINT SUFFICIENT TO PROHIBIT MOTOR VEHICLE TRAFFIC.
2. THE EXACT LOCATION SHALL BE AS STAKED IN THE FIELD.
3. THE BARRICADE SHALL BE SKEWED AS NEEDED TO DRAIN OR AS DIRECTED BY THE AUTHORIZED OFFICERS REPRESENTATIVE.

TRENCH BARRICADE LOCATIONS:

See Estimate of Quantities Exhibit C-3 and Road Maintenance Worklist Exhibit C-9 for locations.



LOG BARRICADE



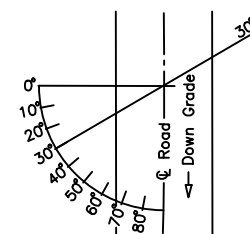
1. LOG BARRICADE SHALL BE CONSTRUCTED AS SHOWN ABOVE.
2. EXACT LOCATION WILL BE FLAGGED BY THE AUTHORIZED OFFICER PRIOR TO CONSTRUCTION.
3. ALL BARRICADES SHALL BE SKEWED 30 DEGREES.
4. THE LENGTH SHALL BE SUFFICIENT TO EXTEND FROM THE CUT BANK TO THE FILL SLOPE.
5. THE MINIMUM SMALL END DIAMETER OF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

LOG BARRICADE LOCATIONS:

See Estimate of Quantities Exhibit C-3 and Road Maintenance Worklist Exhibit C-9 for locations.

EXHIBIT C 8
SHEET 1 *OF* 1

SKEW DIAGRAM



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REV.	NO.	DESCRIPTION	DATE	APPROV.
UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT MEDFORD DISTRICT - MEDFORD, OREGON				
ROAD CLOSURE DETAIL				
DESIGNED				
REVIEWED				
APPROVED				
DRAWN	JAB	SCALE	NONE	
DATE	MAY 2011	SHEET	1 OF 1	
DRAWING NO.	OR-11-9113.4-9			

Slim Timber Sale Road Maintenance Worklist

31-4-27.0 Segments B & C

<u>MP</u>	Tasks
0.00	Begin Road.
0.13	Junction with 31-4-27.4 left.
0.95	Junction with 31-4-27.6 left.
1.49	Junction with 31-4-23.3 left.
1.75	Junction with 31-4-23.1 right.
2.36	Junction with 31-5-35.0 and 31-4-23.0 left. Begin road maintenance. Begin blading road. Clean ditch where needed. Clean all culvert catch basins and place debris downslope of ditch dam location. Begin roadside brushing and scattering.
3.08	Junction with 31-4-25.2 left. Crushed rock stockpile right.
3.43	Junction with 31-4-26.0 right.
3.48	Junction with 31-4-25.4 right.
3.90	End road maintenance.

32-4-1.0 Segment A

<u>MP</u>	Tasks
0.00	Begin road maintenance. Begin road blading. Clean ditch where needed. Clean all culvert catch basins and place debris downslope of ditch dam location. Begin roadside brushing and scattering. Brush all culvert inlets and outlets.
1.79	Junction with 32-4-1.3 left.
1.96	Junction with 32-4-1.2 left.
2.28	Junction with Barricaded Road right.
2.32	End road maintenance.

32-4-1.0 Segment B

<u>MP</u>	Tasks
2.32	Begin Silver Butte Road control. Continue road maintenance. Continue road blading. Clean ditch where needed. Clean all culvert catch basins and place debris downslope of ditch dam location. Continue roadside brushing and scattering. Brush all culvert inlets and outlets.
2.62	Junction with Private road right.
3.68	Junctions with 32-4-12.1 left.

32-4-12.1 Segment A

<u>MP</u>	Tasks
0.00	Begin road maintenance. Begin road blading. Clean entire ditch. Clean all culvert catch basins and place debris downslope of ditch dam location. Begin roadside brushing and scattering. Brush all culvert inlets and outlets.
0.45	End road maintenance.

32-4-20.2 Segments A & B

<u>MP</u>	Tasks
0.00	Begin road maintenance. Begin road blading. Clean entire ditch. Clean all culvert catch basins and place debris downslope of ditch dam location. Begin roadside brushing and chipping. Brush all culvert inlets and outlets.
0.40	End road maintenance.

32-4-21.0 Segment A

<u>MP</u>	Tasks
0.00	Begin road maintenance. Begin road blading. Clean entire ditch. Clean all culvert catch basins and place debris downslope of ditch dam location. Begin roadside brushing and chipping. Brush all culvert inlets and outlets.
0.30	End road maintenance.

32-4-28.0

<u>MP</u>	Tasks
0.00	Begin road maintenance. Begin road blading.
0.50	Begin roadside brushing and chipping.
1.19	End road maintenance.

32-4-30.2

<u>MP</u>	Tasks
0.00	Open road enough to log unit. Begin decommissioning, discontinuous ripping, and mulching after harvest. Construct log or trench barricade after ripping is complete. Seed and mulch after ripping and barricading.
0.16	End road decommissioning.

32-4-30.4 Seg A, B, C, & D

<u>MP</u>	Tasks
0.00	Begin road.
0.74	Saddle with spider Jct; 32-4-20.3 left and right and jeep road left (connects to 32-5-25.4).
0.90	Road barricaded. Reconstruct log or trench barricade after timber harvest. Begin road reconstruction. Begin roadside brushing and scattering, blading, and minor road work. Keep road outsloped. Reshape all rolling water dips.
1.31	End road reconstruction of the 32-4-30.4 road.

32-5-25.4

<u>MP</u>	Tasks
0.00	Begin road maintenance. Begin road blading. Begin roadside brushing and chipping.
0.11	Reshape existing rolling water dip.
0.23	Reshape existing rolling water dip.
0.39	Junction with 32-5-25.4 left. End road maintenance.

32-5-25.5

<u>MP</u>	Tasks
0.00	Begin road maintenance. Begin road blading. Begin roadside brushing and chipping.
0.28	Junction with 32-4-30.2 left.
0.29	Existing dirt berm barricade that is being driven over. Replace with log or trench barricade after timber harvest.
0.44	End road maintenance.

****Section 3 Road (Unit 3-1a)**

<u>MP</u>	Tasks
0.00	Open road. Water bar and barricade after use.
0.28	End road work

** Cost for this road work is covered under logging costs.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ROAD SPECIFICATIONS

INDEX

100	GENERAL
500	RENOVATION OF EXISTING ROADS
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GENERAL - 100

*101 - Prewrite Conference(s):

A prework conference will be held prior to the start of new construction, improvements, reconstruction, road maintenance, and seeding and mulching 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 Prewrite conference shall be scheduled at the work site before operations begin.

*102 - Definitions:

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

ACI - American Concrete Institute

ASTM - American Society for Testing and Materials.

Base Course - Surfacing structure consisting of crushed gravel or stone, crushed sandstone, pit run 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.

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).

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.

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.

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

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.

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.

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 pit run 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.

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.

102a - Tests Used in These Specifications:

AASHTO T 11 Quantity of rock finer than No. 200 sieve.

AASHTO T 27 Sieve analysis of fine and coarse aggregate using sieves with square openings; gradation.

AASHTO T 89 Liquid limit of material passing the No. 40 sieve.
Water content at which the soil passes from a plastic to a liquid state.

AASHTO T 90 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.

AASHTO T 96 Resistance to abrasion of small size coarse aggregate by use of the Los Angeles machine.

AASHTO T 99 Relationship between soil moisture and maximum density of soil.
Method A - 4" mold, soil passing a No. 4 Sieve. 25 blows/layer & 3 layers.
Method D - 6" mold, soil passing a 19.00mm 3/4 inches sieve. 56 blows/layer & 5 layers.

AASHTO T 176 Shows relative portions of fine dust or claylike materials in soil or graded aggregate.

AASHTO T 180 (OSHD 106-71) moisture density relationship of soil same as AASHTO T 99 proctor but uses a 10-lb rammer & 18-in drop.

AASHTO T 191 Sand Cone. 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.

AASHTO T 205 Rubber balloon. Density of soil in place. Use for compacted or firmly bonded soil.

AASHTO T 210 Durability of aggregates based on resistance to produce fines.

AASHTO T 224 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 - Other. Compaction equipment approved by 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.
- 502 - The existing road surface shall be bladed and shaped to the lines, grades, dimensions, and typical cross sections shown on the plans, and as marked on the ground with stakes at the following locations:

<u>Road No.</u>	<u>From M.P.</u>	<u>to M.P.</u>
<u>31-4-27.0 C</u>	<u>2.36</u>	<u>3.90</u>
<u>32-4-1.0 A</u>	<u>0.00</u>	<u>2.32</u>
<u>32-4-1.0 B</u>	<u>2.32</u>	<u>3.68</u>
<u>32-4-12.1 A</u>	<u>0.00</u>	<u>0.45</u>
<u>32-4-20.2 A</u>	<u>0.00</u>	<u>0.40</u>
<u>32-4-21.0 A</u>	<u>0.00</u>	<u>0.30</u>
<u>32-4-28.0</u>	<u>0.00</u>	<u>1.19</u>
<u>32-4-30.4 C & D</u>	<u>0.89</u>	<u>1.31</u>
<u>32-5-25.4</u>	<u>0.00</u>	<u>0.39</u>
<u>32-5-25.5</u>	<u>0.00</u>	<u>0.44</u>

- 502b - Drainage ditches shall be bladed and shaped in accordance with the lines, grades, dimensions, and typical cross sections shown on the plans.
- 504 - Existing road surface shall be uniformly moistened or dried to the optimum moisture content suitable for maximum density and compacted to full width with equipment conforming to requirements of Subsections 103f and 103h and in accordance with the following table:

<u>Road No.</u>	<u>From M.P.</u>	<u>to M.P.</u>
<u>31-4-27.0 C</u>	<u>2.36</u>	<u>3.90</u>
<u>32-4-1.0 A</u>	<u>0.00</u>	<u>2.32</u>
<u>32-4-1.0 B</u>	<u>2.32</u>	<u>3.68</u>
<u>32-4-12.1 A</u>	<u>0.00</u>	<u>0.45</u>
<u>32-4-20.2 A</u>	<u>0.00</u>	<u>0.40</u>
<u>32-4-21.0 A</u>	<u>0.00</u>	<u>0.30</u>
<u>32-4-28.0</u>	<u>0.00</u>	<u>1.19</u>
<u>32-4-30.4 C & D</u>	<u>0.89</u>	<u>1.31</u>
<u>32-5-25.4</u>	<u>0.00</u>	<u>0.39</u>
<u>32-5-25.5</u>	<u>0.00</u>	<u>0.44</u>

506 - The inlet end of existing drainage structures at the following locations:

<u>Road No.</u>	<u>From M.P.</u>	<u>to M.P.</u>
<u>31-4-27.0 C</u>	<u>2.36</u>	<u>3.90</u>
<u>32-4-1.0 A</u>	<u>0.00</u>	<u>2.32</u>
<u>32-4-1.0 B</u>	<u>2.32</u>	<u>3.68</u>
<u>32-4-12.1 A</u>	<u>0.00</u>	<u>0.45</u>
<u>32-4-20.2 A</u>	<u>0.00</u>	<u>0.40</u>
<u>32-4-21.0 A</u>	<u>0.00</u>	<u>0.30</u>

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 structure's designed outflow configuration. Catch basins shall conform to the lines, grade, dimensions, and typical diagram shown on the plans.

508 - Vegetation encroaching on the roadbed and the drainage ditches of existing roads at the following locations:

<u>Road No.</u>	<u>From M.P.</u>	<u>to M.P.</u>
<u>31-4-27.0 C</u>	<u>2.36</u>	<u>3.90</u>
<u>32-4-1.0 A</u>	<u>0.00</u>	<u>2.32</u>
<u>32-4-1.0 B</u>	<u>2.32</u>	<u>3.68</u>
<u>32-4-12.1 A</u>	<u>0.00</u>	<u>0.45</u>
<u>32-4-20.2 A</u>	<u>0.00</u>	<u>0.40</u>
<u>32-4-21.0 A</u>	<u>0.00</u>	<u>0.30</u>
<u>32-4-28.0</u>	<u>0.50</u>	<u>1.19</u>
<u>32-4-30.4 C & D</u>	<u>0.89</u>	<u>1.31</u>
<u>32-5-25.4</u>	<u>0.00</u>	<u>0.39</u>
<u>32-5-25.5</u>	<u>0.00</u>	<u>0.44</u>

shall be removed by cutting and disposed in accordance with Subsection 2100 of these specifications.

WATERING - 600

*601 - This work shall consist of furnishing and applying water required for the compaction of embankments, roadbeds, backfills, base courses, surface courses, finishing and reconditioning of existing roadbeds laying dust, or for other uses in accordance with these specifications.

*602 - Water, when needed for compaction or laying dust, shall be applied at the locations, in the amounts, and during the hours as directed by the Authorized Officer. Amounts of water to be provided will be the minimum needed to properly execute the compaction

requirements in conformance with these specifications, and for laying dust during work periods.

- *603 - Water trucks used in this work shall be equipped with a distributing device of ample capacity and of such design as to ensure uniform application of water on the roadbed.
- 605 - The Purchaser shall secure the necessary water permits and pay all required water fees for use of water sources elected by the Purchaser and approved by the Authorized Officer.

SOIL STABILIZATION - 1800

- *1801 - This work shall consist of seeding and mulching on designated cut, fill, borrow, disposal, and special areas in accordance with these specifications and as shown on the plans. This work is required for road acceptance under Section 18 of this contract.
- 1802a- Soil stabilization work consisting of seeding and mulching shall be performed on new road construction, landings, disturbed areas, borrow sites, and disposal sites in accordance with these specifications and as shown on the plans.
- *1803 - Soil stabilization work as specified under Subsection 1802a shall be performed during the following seasonal periods:

From: September 15 to: October 31 (of the same year)

The Authorized Officer may modify the above seasonal dates to conform to existing weather conditions and changes in the construction schedule.

- 1803a- The Purchaser shall begin soil stabilization work within 10 days of the starting work date when notified by the Authorized Officer.
- 1806a- Additional soil stabilization work consisting of seeding and mulching may be required at the option of the Authorized Officer. Providing the additional stabilization is not due to Purchaser negligence as specified in Sec. 12 of the contract, a reduction in the total purchased price shall be made to offset the cost of furnishing and applying such additional stabilization material. Cost shall be based upon the unit price set forth in the current BLM Timber Appraisal Production Cost Schedule.
- 1809 - Mulch materials conforming to the requirements of Subsection 1809b shall be furnished by the Purchaser.
- 1809b- Natural wood cellulose or grass fiber shall have the property of dispersing readily in water and shall have no toxic effect when combined with seed or other materials. The homogeneous slurry or mixture shall be capable of application with power spray equipment. A green-colored dye which is noninjurious to plant growth shall be used. Processed wood cellulose or grass fiber shall be packaged in new, labeled containers in an air dry condition. Processed wood cellulose or grass fiber furnished by the Purchaser shall be one of the following brand names or approved equal.

Silva Fiber - Weyerhaeuser Timber Co.
Conweb Fiber - Wood Conversion Co.
Spra-Mulch - Spra-Mulch Industries, Inc.
Grass-Mulch - Grass Mulch, Inc.

If the Purchaser proposes using a wood or grass fiber other than those listed above, he shall furnish a sample and descriptive literature to the Authorized Officer for approval prior to application. Processed wood cellulose or grass fiber furnished by the Purchaser which has become wet or otherwise damaged in transit or storage will not be accepted.

- 1812 - The Purchaser shall furnish and apply to approximately 2 acres designated for treatment as shown on the plans and as specified under Subsections 1802a and 1806a, a mixture of grass seed and mulch material at the following rate of application:

Dry Application

Native Seed	10lbs/acre (if available) See Special Provision, EXHIBIT C - 11, Page 1 of 1
Mulch/Straw	3000lbs/acre

The above proportion and application rate are subject to adjustment by the Authorized Officer during the application operation.

- 1815- The Purchaser may reduce the application rate on partially covered sloped and no application on areas already well stocked with grass or on rock surfaces.
- 1816 - The seed and mulch materials shall be placed by the dry method in accordance with the requirements set forth in Subsection 1816b.
- 1816b- Dry Method - Blowers, mechanical seeders, seed drills, landscape seeders, cultipaker seeders, fertilizer spreaders or other approved mechanical seeding equipment may be used when seed and fertilizer are to be applied in dry form.
- 1820 - The Purchaser shall notify the Authorized Officer at least 3 days in advance of date he intends to commence the specified soil stabilization work.
- *1826 - Twine, rope, sacks, and other debris resulting from the soil stabilization operation shall be picked up and disposed of to the satisfaction of the Authorized Officer.

ROADSIDE BRUSHING - 2100

- *2101 - This work shall consist of the cutting and scattering or chipping of vegetation from the road prism - variable distance, and inside curves in accordance with these specifications and conforming to the lines, grades, dimensions, and typical cross sections shown on the Roadside Brushing Detail Sheet of this exhibit, at designated locations as shown in the plans.
- 2102 - Roadside brushing may be performed mechanically with self powered, self-propelled equipment or manually with hand tools, including chain saws.

- 2103 - Vegetation cut manually or mechanically less than 6 inches in diameter when measured at DBHOB 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 DBHOB shall be limbed, so that no limbs extend into the treated area or over the roadbed to a height of 14 feet above the running surface 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 running surface shall be cut, to within 1 inch of the trunk to produce a smooth vertical face.
- 2106 - Vegetative growth capable of growing 1 foot in height or higher shall be cut, within the road prism-variable distance or as directed by the Authorized Officer.
- 2107 - Inside curves shall be brushed out for a sight distance of 200 feet chord distance or a middle ordinate distance of 25 feet, whichever is achieved first. 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 this operation shall be chipped or scattered downslope from the roadway. Debris will not be allowed to accumulate in concentrations. Debris in excess of (1) feet in length and (2) inches in diameter shall not be allowed to remain on cut slopes, ditches, or roadways, or as directed by the Authorized Officer. Debris shall not be left in concentrations over (24) inches in height.
- 2110 - Vegetation 6 inches and smaller in diameter shall be chipped. Chips shall be scattered downslope from the roadway. Vegetation over 6 inches in diameter shall be disposed of by direction of the Authorized Officer.
- 2113 - Roadside brushing shall be accomplished as shown on the plans and as listed below:

<u>Road No.</u>	<u>From M.P.</u>	<u>to M.P.</u>	<u>Disposal Type</u>
<u>31-4-27.0 C</u>	<u>2.36</u>	<u>3.90</u>	<u>Scattering</u>
<u>32-4-1.0 A</u>	<u>0.00</u>	<u>2.32</u>	<u>Scattering</u>
<u>32-4-1.0 B</u>	<u>2.32</u>	<u>3.68</u>	<u>Scattering</u>

<u>32-4-12.1 A</u>	<u>0.00</u>	<u>0.45</u>	<u>Scattering</u>
<u>32-4-20.2 A</u>	<u>0.00</u>	<u>0.40</u>	<u>Chipping</u>
<u>32-4-21.0 A</u>	<u>0.00</u>	<u>0.30</u>	<u>Chipping</u>
<u>32-4-28.0</u>	<u>0.50</u>	<u>1.19</u>	<u>Chipping</u>
<u>32-4-30.4 C & D</u>	<u>0.89</u>	<u>1.31</u>	<u>Scattering</u>
<u>32-5-25.4</u>	<u>0.00</u>	<u>0.39</u>	<u>Chipping</u>
<u>32-5-25.5</u>	<u>0.00</u>	<u>0.44</u>	<u>Chipping</u>

2116 - Mechanical brush cutters shall not be operated when there are people and occupied vehicles within (400) feet of the immediate operating area.

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.

SPECIAL PROVISIONS

1. Before beginning road renovation, construction, reconstruction, or surfacing operations for the first time or after a shutdown of seven or more days, the Purchaser shall notify the Authorized Officer of the date they plan to begin operations. The Purchaser shall also notify the Authorized Officer if they intend to cease operations for any period of 30 or more days.
2. The contractor shall protect and is responsible for any damage to existing telephone lines, transmission lines, fiber optic lines, fences, ditches, and other existing improvements as required in Section 14. Damage to utilities and existing improvements shall be promptly paid for or repaired to a condition which, in the opinion of the Authorized Officer, is at least as good as the condition just prior to such damage.
3. All disturbed soil shall be seeded and mulched. Purchaser shall apply native grass seed and Certified Weed Free straw mulch on all exposed soil for soil stabilization operations. BLM will furnish the native grass seed if available. Certified Weed Free straw mulch will be the responsibility of the contractor.
4. All temp routes shall be winterized if access is needed over two dry seasons by October 15th. Winterization includes: water barring, seeding, mulching, and barricading. Seeding and mulching shall take place before October 31.
5. Ensure that all large wood is retained in the stream channel during culvert cleaning activities by moving logs which had accumulated on the stream side of a culvert to the downstream side of the culvert.
6. Brushing:
 - a. All brush cutting will require **hand pruning** of limbs back to 1" of the bole or trunk of tree. Use of Excavators for brush removal will be at the discretion of the Authorized Officer (AO). **All culvert inlets and outlets shall be brushed for a radius of 4 feet.**
7. Bridges – The cutting limits beneath or adjacent to bridges shall extend 5 feet horizontally from each side of the outermost projected line of the bridge including abutments, curbs, rails, or decks. All brush and trees shall be cut in accordance with the Roadside Brushing Subsection (2100) and cut brush and trees shall be removed from beneath the bridge and from the stream channel.

8. Water bars for winterization and road decommissioning shall be spaced at the following intervals:

Water bar spacing (ft)			
Erosion Potential			
Gradient(%)	High	Moderate	Low
2-5	200	300	400
6-10	150	200	300
11-15	100	150	200
16-20	75	100	150
21-35	50	75	100
36+	50	50	50

9. Warning signs shall be posted on County and State roads where BLM roads intersect these roads warning drivers that trucks and/or equipment shall be entering the roadway.

UNITED STATES
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ROAD MAINTENANCE SPECIFICATIONS

INDEX

COVER SHEET

SPECIFICATIONS

3000 - GENERAL MAINTENANCE

3100 - OPERATIONAL MAINTENANCE

3200 - SEASONAL MAINTENANCE

3300 - FINAL MAINTENANCE

3400 - OTHER MAINTENANCE

EXHIBIT D MAP

GENERAL MAINTENANCE - 3000

- 3001 - The Purchaser shall be required to maintain all roads listed and/or referenced in Section 41 Exhibit C-3 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 Subsection 3403.
- 3002 - The Purchaser shall maintain the cross section of existing dirt or gravelled 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 prior to moving operations to other roads. The maximum length of nonmaintained or noncleanup 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 in accordance with Section 2100 of Exhibit C-10.

- 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 repaired 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.

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 the Purchaser, 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 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 expiration of Purchaser's right to cut and remove timber (Sec. 4) 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 Subsection 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 or 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 nonsaline 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 square yard of road surface travelled. Subsequent applications shall be made for each 40 MBF of timber or 120 cubic yards of rock hauled. Subsequent waterings may be done at a rate less than one-half gallon per square yard when a specified lesser rate is approved by the Authorized Officer.

The following roads shall be watered:

<u>Road Number</u>	<u>From M.P.</u>	<u>To M.P.</u>
<u>32-4-27.0 B</u>	<u>0.00</u>	<u>0.30</u>
<u>32-4-1.0A</u>	<u>0.00</u>	<u>0.37</u>
<u>32-4-4.0A</u>	<u>0.00</u>	<u>0.73</u>
<u>32-4-20.0 B</u>	<u>0.10</u>	<u>0.76</u>
<u>32-4-20.1 A</u>	<u>0.00</u>	<u>0.65</u>
<u>33-5-10.0 A-B</u>	<u>0.00</u>	<u>0.29</u>

During drought periods when the transportation of water from the source to the road noted above exceeds 15 miles (one-way), a reduction shall be made in the total purchase price to reflect the additional haul or the substitution of other acceptable dust palliatives in lieu of watering, based on equipment rental rates from current BLM Timber Appraisal Production Cost Schedules.

- 3408 - Dust palliatives shall be applied by distribution equipment designed, equipped, maintained and operated, in a manner that the material is uniformly applied on variable widths of surface at readily determined and controlled rates. All equipment shall be of a standard commercial type that will provide satisfactory performance.
- 3409 - The Purchaser shall notify the Authorized Officer a minimum of three 3 days in advance of application of required dust palliative.
- 3410 - The Purchaser shall prepare and submit to the Authorized Officer for his review and approval, an application schedule for all dust palliative work required under this Section. All such work shall be in accordance with the approved plan.

R. 5 W

T.32S.

T.33S.

DOUGLAS

CO.

8
Speaker
Road

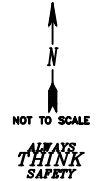
Post
Mountain

SLIM Timber Sale
TRACK # 12-08
EXHIBIT D-2
SHEET 1 of 3

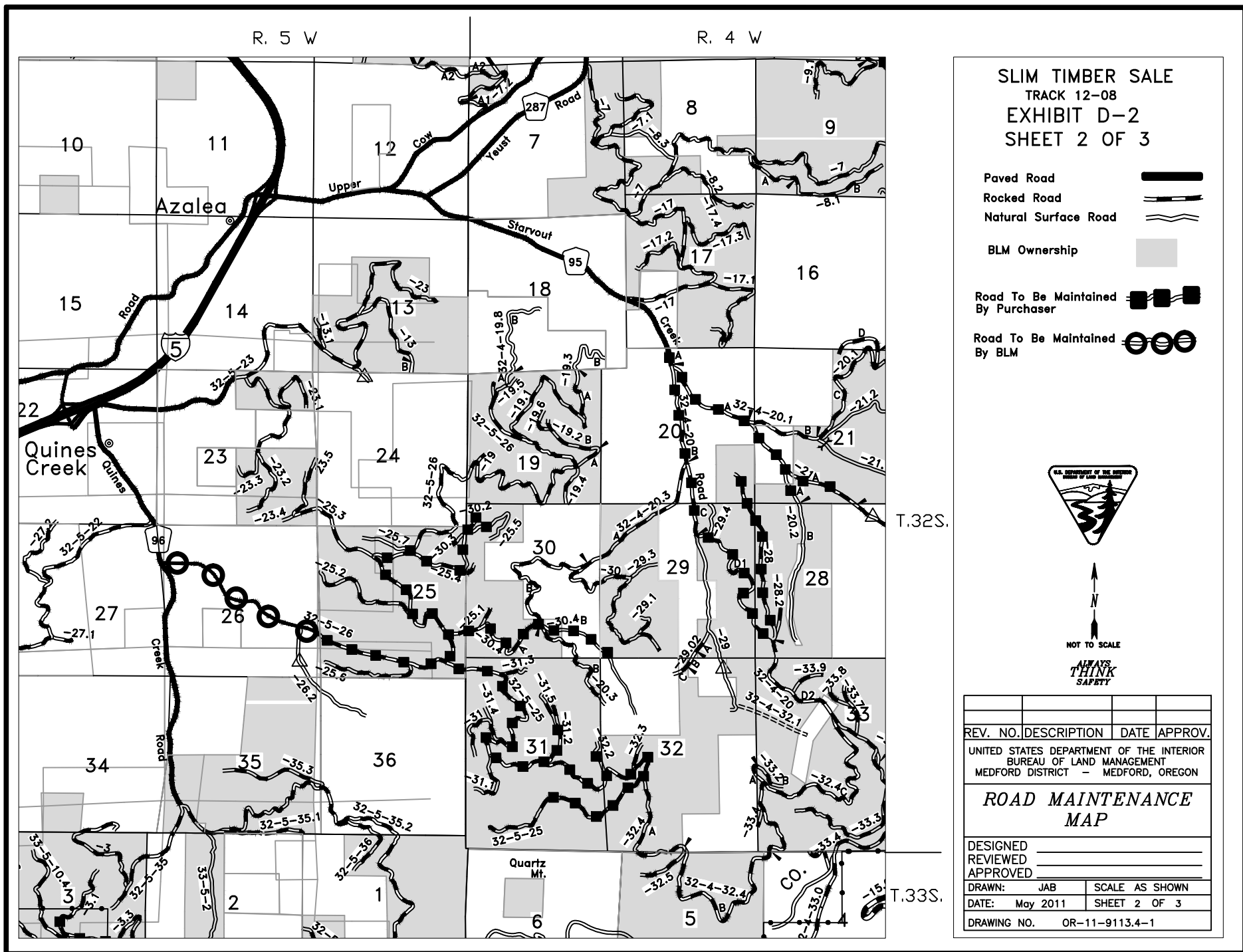
Paved Road 
Rocked Road 
Natural Surface Road 

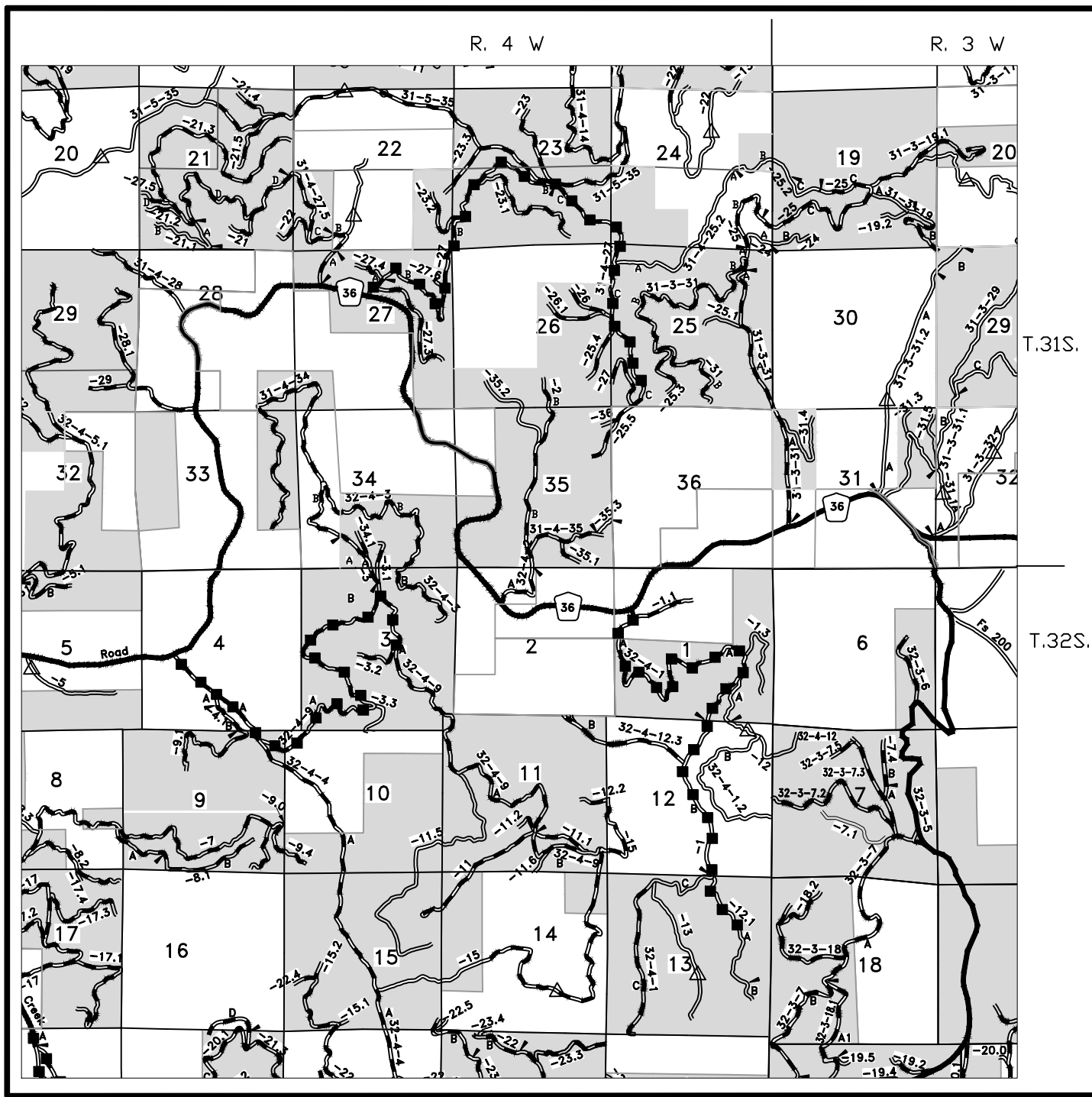
BLM Ownership 

Road To Be
Maintained By
Purchaser 



REV. NO.	DESCRIPTION	DATE	APPROV.
UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT MEDFORD DISTRICT - MEDFORD, OREGON			
ROAD MAINTENANCE MAP			
DESIGNED			
REVIEWED			
APPROVED			
DRAWN:	JAB	SCALE	NONE
DATE: May 2011	SHEET 1 OF 3		
DRAWING NO.	OR-11-9113.4-1		





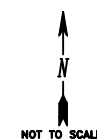
SLIM TIMBER SALE

TRACK 12-08

EXHIBIT D-2

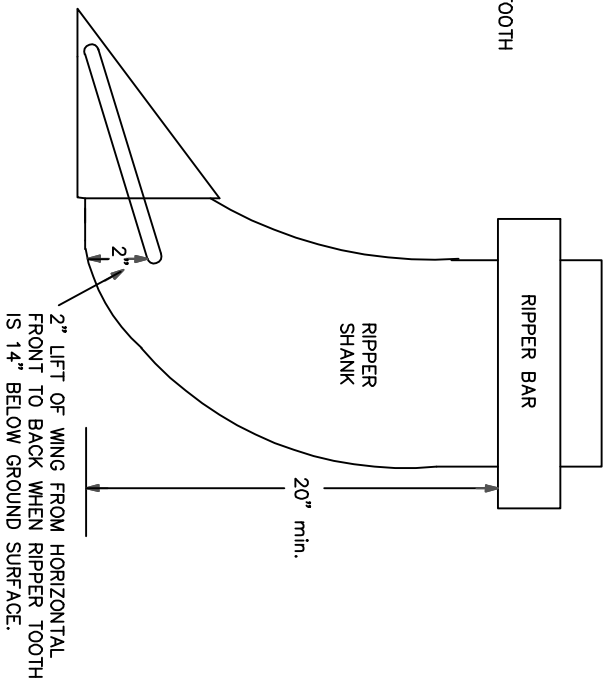
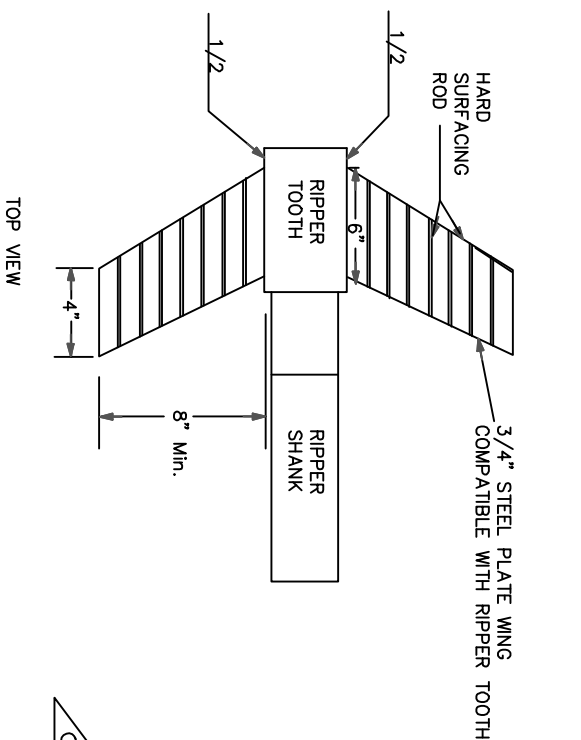
SHEET 3 OF 3

- Paved Road
- Rocked Road
- Natural Surface Road
- BLM Ownership
- Road To Be Maintained By Purchaser



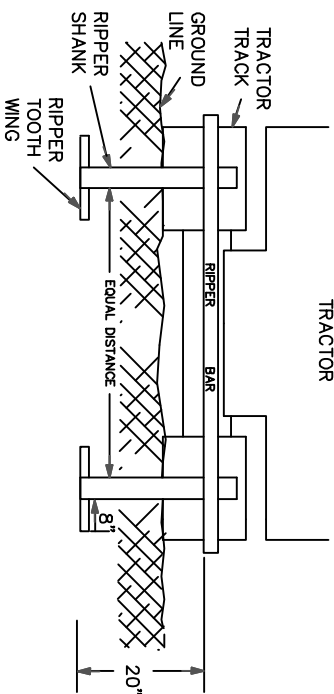
ALWAYS
THINK
SAFETY

REV.	NO.	DESCRIPTION	DATE APPROVED
UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT MEDFORD DISTRICT - MEDFORD, OREGON			
<i>ROAD MAINTENANCE MAP</i>			
DESIGNED _____			
REVIEWED _____			
APPROVED _____			
DRAWN: JAB		SCALE AS SHOWN	
DATE: May 2011		SHEET 3 OF 3	
DRAWING NO.		OR-11-9113.4-1	



SIDE VIEW

TYPICAL RIPPER POSITION



- NOTES: TYPICAL RIPPER TOOTH CONSTRUCTION
1. USE HARD SURFACING ROD FOR ALL EDGE AND SURFACE REINFORCEMENT.
 2. WELD THAT ATTACHES 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.	



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

District : Medford
Sale Name : Slim
Sale Date : 11/17/2011
Appraisal Method : 16' MBF

Contract # : TS 12-08
Job File # : M11264
Master Unit : Josephine
Planning Unit : Glendale

Contents

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Prospectus	5
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Stump to Truck Costs	14
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Consolidated Comments	16

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

Medford
Slim
TS 12-08

Legal Description

Forest Type	Township	Range	Section	Subdivision
O&C	31S	4W	25	SW1/4NW1/4,N1/2SW1/4,SW1/4SW1/4
O&C	32S	4W	3	S1/2NE1/4
O&C	32S	4W	13	NE1/4NE1/4
O&C	32S	4W	20	SE1/4SE1/4
O&C	32S	4W	21	S1/2SW1/4
O&C	32S	4W	28	W1/2NW1/4,NW1/4SW1/4
O&C	32S	4W	29	NE1/4,SW1/4SW1/4
O&C	32S	4W	30	LOT1,NE1/4NW1/4
O&C	32S	4W	31	LOT5,6,7,14
O&C	32S	4W	32	LOT1,8
O&C	32S	5W	3	NE1/4SW1/4,SE1/4

Cutting Volume (16' MBF)

Unit	DF	PP	WH	IC					Total	Regen	Partial	ROW
13-1A	86		1						87	0	12	0
25-2A	57								57	0	11	0
25-3A	16								16	0	5	0
28-1	80								80	0	10	0
29-3	47								47	0	9	0
3-1A	47								47	0	11	0
3-2	223								223	0	23	0
30-2	76								76	0	10	0
31-4	198			1					199	0	28	0
31-4A	27								27	0	8	0
31-4B	11								11	0	2	0
31-4C	5								5	0	2	0
31-5	77								77	0	6	0
S21-2N	29								29	0	4	0
S28-1N	72								72	0	9	0
S28-1S	57								57	0	6	0
S29-1N	133								133	0	15	0
S29-1S	287	2							289	0	58	0
Totals	1,528	2	1	1					1,532	0	229	0

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

Medford
Slim
TS 12-08

Logging Costs per 16' MBF

Stump to Truck	\$	264.28
Transportation	\$	29.63
Road Construction	\$	25.92
Road Amortization	\$	0.00
Road Maintenance	\$	7.70

Other Allowances :

Fuels Treatment	\$ 10.94
Other Costs	\$ 7.00
Total Other Allowances :	\$ 17.94

Total Logging Costs per 16' MBF

\$ 345.47

Utilization Centers

Center #1 : Glendale	25 Miles
Center #1 : Glendale	15 Miles
Weighted distance to Utilization Centers	17

Length of Contract

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

Profit & Risk

Total Profit & Risk	10 %
Basic Profit & Risk	7 % + Additional Risk 3 %
Back Off	0 %

Tract Features

Avg Log	Douglas-fir : 39 bf	All : 39 bf
Recovery	Douglas-fir : 94 %	All : 94 %
Salvage	Douglas-fir : 0 %	All : 0 %
Avg Volume (16' MBF per Acre)		7
Avg Yarding Slope		50 %
Avg Yarding Distance (feet)		300
Avg Age		80
Volume Cable		92 %
Volume Ground		8 %
Volume Aerial		0 %
Road Construction Stations		0.00
Road Improvement Stations		0.00
Road Renovation Stations		0.00
Road Decommission Stations		0.00

Cruise

Cruised By	Caulfield, Dowding, Franks
Date	04/01/2011
Type of Cruise	3P, 100%
County, State	Douglas, OR

Net Volume

Green (16' MBF)	1,532
Salvage (16' MBF)	0
Douglas-fir Peeler	0
Export Volume	0
Scaling Allowance (\$0.75 per 16' MBF)	\$1,149.00

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Medford
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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	11,910	1,528	\$ 407.09	\$ 40.71	\$ 345.47			\$ 40.70	\$ 62,189.60
PP	22	2	\$ 148.55	\$ 14.86	\$ 345.47			\$ 14.90	\$ 29.80
WH	8	1	\$ 267.04	\$ 26.70	\$ 345.47			\$ 26.70	\$ 26.70
IC	24	1	\$ 466.00	\$ 46.60	\$ 345.47			\$ 73.90	\$ 73.90
Totals	11,964	1,532							\$ 62,320.00

Log Code by Percent

Species	Code #1	Code #2	Code #3	Code #4	Code #5	Code #6
Douglas-fir				33.0	57.0	10.0
Ponderosa Pine					82.0	18.0
Incense-cedar					61.0	39.0
Western Hemlock					86.0	14.0

Marginal Log Volume

Species	Grade #7	Grade #8
Douglas-fir		
Ponderosa Pine		
Incense-cedar		
Western Hemlock		

Appraised By : Caulfield, Dave

Date : 05/25/2011

Area Approval By : Caulfield, Dave

Date : 10/04/2011

District Approval By :

Date :

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

Medford
Slim
TS 12-08

Prospectus

Appraisal Method : (16' MBF)

Species	Trees	Net Volume 16' MBF	Net Volume 32' MBF	Net Volume CCF
Douglas-fir	11,910	1,528	1,309	2,894
Ponderosa Pine	22	2	1	3
Western Hemlock	8	1		1
Incense-cedar	24	1	1	2
Total	11,964	1,532	1,311	2,900

All Species

Gross Volume	Number Trees	Avg bf Volume Per Tree	DBH	Gross Merch Volume	Merch Logs	Avg bf Gross Merch Log
1,632	11,964	136	12.4	1,624	42,105	38

Merch Logs	Cull Logs	Total Logs	Logs per Tree	Net Volume	Gross Volume	Recovery
42,105	161	42,266	3	1,532	1,632	94 %

Douglas-fir

Gross Volume	Number Trees	Avg bf Volume Per Tree	DBH	Gross Merch Volume	Merch Logs	Avg bf Gross Merch Log
1,628	11,910	136	12.4	1,620	41,999	38

Merch Logs	Cull Logs	Total Logs	Logs per Tree	Net Volume	Gross Volume	Recovery
41,999	154	42,153	3	1,528	1,628	94 %

UNITED STATES
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Medford
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TS 12-08

Cutting Areas

Unit	Regen Acres	Partial Cut Acres	Right Of Way Acres	Total Acres
13-1A		12		12
25-2A		11		11
25-3A		5		5
28-1		10		10
29-3		9		9
3-1A		11		11
3-2		23		23
30-2		10		10
31-4		28		28
31-4A		8		8
31-4B		2		2
31-4C		2		2
31-5		6		6
S21-2N		4		4
S28-1N		9		9
S28-1S		6		6
S29-1N		15		15
S29-1S		58		58
Totals :		229		229

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

Medford
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TS 12-08

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	1,528		
Ponderosa Pine	2		
Incense-cedar	1		
Western Hemlock	1		
Sale Totals	1,532		

Unit Details (16' MB)

Unit 13-1A **12 Acres** **Value per Acre : \$0.00**

Species	Net Volume	Bid Price	Species Value
Douglas-fir	86		
Western Hemlock	1		
Unit Totals	87		

Unit 25-2A **11 Acres** **Value per Acre : \$0.00**

Species	Net Volume	Bid Price	Species Value
Douglas-fir	57		
Unit Totals	57		

Unit 25-3A **5 Acres** **Value per Acre : \$0.00**

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

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Unit 28-1 10 Acres Value per Acre : \$0.00

Species	Net Volume	Bid Price	Species Value
Douglas-fir	80		
Unit Totals	80		

Unit 29-3 9 Acres Value per Acre : \$0.00

Species	Net Volume	Bid Price	Species Value
Douglas-fir	47		
Unit Totals	47		

Unit 30-2 10 Acres Value per Acre : \$0.00

Species	Net Volume	Bid Price	Species Value
Douglas-fir	76		
Unit Totals	76		

Unit 31-4 28 Acres Value per Acre : \$0.00

Species	Net Volume	Bid Price	Species Value
Douglas-fir	198		
Incense-cedar	1		
Unit Totals	199		

Unit 31-4A 8 Acres Value per Acre : \$0.00

Species	Net Volume	Bid Price	Species Value
Douglas-fir	27		
Unit Totals	27		

Unit 31-4B 2 Acres Value per Acre : \$0.00

Species	Net Volume	Bid Price	Species Value
Douglas-fir	11		
Unit Totals	11		

Unit 31-4C 2 Acres Value per Acre : \$0.00

Species	Net Volume	Bid Price	Species Value
Douglas-fir	5		
Unit Totals	5		

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Unit 31-5 6 Acres Value per Acre : \$0.00

Species	Net Volume	Bid Price	Species Value
Douglas-fir	77		
Unit Totals	77		

Unit 3-1A 11 Acres Value per Acre : \$0.00

Species	Net Volume	Bid Price	Species Value
Douglas-fir	47		
Unit Totals	47		

Unit 3-2 23 Acres Value per Acre : \$0.00

Species	Net Volume	Bid Price	Species Value
Douglas-fir	223		
Unit Totals	223		

Unit S21-2N 4 Acres Value per Acre : \$0.00

Species	Net Volume	Bid Price	Species Value
Douglas-fir	29		
Unit Totals	29		

Unit S28-1N 9 Acres Value per Acre : \$0.00

Species	Net Volume	Bid Price	Species Value
Douglas-fir	72		
Unit Totals	72		

Unit S28-1S 6 Acres Value per Acre : \$0.00

Species	Net Volume	Bid Price	Species Value
Douglas-fir	57		
Unit Totals	57		

Unit S29-1N 15 Acres Value per Acre : \$0.00

Species	Net Volume	Bid Price	Species Value
Douglas-fir	133		
Unit Totals	133		

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

Medford
Slim
TS 12-08

Unit **S29-1S** **58 Acres** **Value per Acre : \$0.00**

Species	Net Volume	Bid Price	Species Value
Douglas-fir	287		
Ponderosa Pine	2		
Unit Totals	289		

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

Medford
Slim
TS 12-08

Sale Volume Totals

229 Acres 0 Regen 229 Partial 0 R/W 18 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	11,910	41,999	154	1,528	1,620	1,628	1,309	1,388	1,395	2,894	3,049	3,065
Ponderosa Pine	22	49	2	2	2	2	1	1	1	3	3	3
Western Hemlock	8	17	4	1	1	1	0	0	1	1	1	1
Incense-cedar	24	40	1	1	1	1	1	1	1	2	2	2
Totals	11,964	42,105	161	1,532	1,624	1,632	1,311	1,390	1,398	2,900	3,055	3,071

Unit Totals

Unit : 13-1A 12 Acres 0 Regen 12 Partial 0 R/W

SpeciesName	# of Trees	Merch Logs	Cull Logs	16' MBF Gross	16' MBF GM	16' MBF Net
Douglas-fir	1,013	2,737		90	90	86
Western Hemlock	8	17	4	1	1	1
Unit Totals	1,021	2,754	4	91	91	87

Unit : 25-2A 11 Acres 0 Regen 11 Partial 0 R/W

SpeciesName	# of Trees	Merch Logs	Cull Logs	16' MBF Gross	16' MBF GM	16' MBF Net
Douglas-fir	542	1,813		60	60	57
Unit Totals	542	1,813		60	60	57

Unit : 25-3A 5 Acres 0 Regen 5 Partial 0 R/W

SpeciesName	# of Trees	Merch Logs	Cull Logs	16' MBF Gross	16' MBF GM	16' MBF Net
Douglas-fir	166	507		17	17	16
Unit Totals	166	507		17	17	16

Unit : 28-1 10 Acres 0 Regen 10 Partial 0 R/W

SpeciesName	# of Trees	Merch Logs	Cull Logs	16' MBF Gross	16' MBF GM	16' MBF Net
Douglas-fir	537	2,062	12	86	85	80
Unit Totals	537	2,062	12	86	85	80

Unit : 29-3 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

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

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Douglas-fir	342	1,216	7	51	50	47
Unit Totals	342	1,216	7	51	50	47

Unit : 3-1A 11 Acres 0 Regen 11 Partial 0 R/W

SpeciesName	# of Trees	Merch Logs	Cull Logs	16' MBF Gross	16' MBF GM	16' MBF Net
Douglas-fir	496	1,495		49	49	47
Unit Totals	496	1,495		49	49	47

Unit : 3-2 23 Acres 0 Regen 23 Partial 0 R/W

SpeciesName	# of Trees	Merch Logs	Cull Logs	16' MBF Gross	16' MBF GM	16' MBF Net
Douglas-fir	1,355	5,720	33	238	236	223
Unit Totals	1,355	5,720	33	238	236	223

Unit : 30-2 10 Acres 0 Regen 10 Partial 0 R/W

SpeciesName	# of Trees	Merch Logs	Cull Logs	16' MBF Gross	16' MBF GM	16' MBF Net
Douglas-fir	550	1,947	11	81	80	76
Unit Totals	550	1,947	11	81	80	76

Unit : 31-4 28 Acres 0 Regen 28 Partial 0 R/W

SpeciesName	# of Trees	Merch Logs	Cull Logs	16' MBF Gross	16' MBF GM	16' MBF Net
Douglas-fir	1,415	5,074	29	211	210	198
Incense-cedar	24	40	1	1	1	1
Unit Totals	1,439	5,114	30	212	211	199

Unit : 31-4A 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	169	697	4	29	29	27
Unit Totals	169	697	4	29	29	27

Unit : 31-4B 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	90	277	2	12	11	11
Unit Totals	90	277	2	12	11	11

Unit : 31-4C 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	46	134	1	6	6	5

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Unit Totals	46	134	1	6	6	5
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Unit : 31-5 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	473	1,986	11	83	82	77
Unit Totals	473	1,986	11	83	82	77

Unit : S21-2N 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	241	810	2	31	31	29
Unit Totals	241	810	2	31	31	29

Unit : S28-1N 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	706	2,046	6	77	77	72
Unit Totals	706	2,046	6	77	77	72

Unit : S28-1S 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	468	1,599	4	61	60	57
Unit Totals	468	1,599	4	61	60	57

Unit : S29-1N 15 Acres 0 Regen 15 Partial 0 R/W

SpeciesName	# of Trees	Merch Logs	Cull Logs	16' MBF Gross	16' MBF GM	16' MBF Net
Douglas-fir	993	3,756	10	142	142	133
Unit Totals	993	3,756	10	142	142	133

Unit : S29-1S 58 Acres 0 Regen 58 Partial 0 R/W

SpeciesName	# of Trees	Merch Logs	Cull Logs	16' MBF Gross	16' MBF GM	16' MBF Net
Douglas-fir	2,308	8,123	22	304	305	287
Ponderosa Pine	22	49	2	2	2	2
Unit Totals	2,330	8,172	24	306	307	289

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Stump to Truck Costs

Total (16' MBF)

Total Stump to Truck Costs	Net Volume	Cost / Net Volume
\$ 404,880.66	1,532	\$ 264.28

Detail

Yarding & Loading

Yarding System	Unit Of Measure	Units	Cost / Unit	Total Cost
Track Skidder	MBF	132	\$ 111.37	\$ 14,700.84
Short Twr<40	MBF	952	\$ 228.05	\$ 217,103.60
Short Twr<40	MBF	456	\$ 310.15	\$ 141,428.40
Subtotal				\$ 373,232.84

Other Costs

Explanation	Unit Of Measure	Units	Cost / Unit	Total Cost
Deadman Anchors	3 anchors	15	\$ 1,250.00	\$ 18,750.00
Int. Supports	tree	10	\$ 250.00	\$ 2,500.00
Lift Trees	tree	10	\$ 150.00	\$ 1,500.00
Directional Falling	MBF	153	\$ 18.94	\$ 2,897.82
Subtotal				\$ 25,647.82

Additional Move-Ins

Equipment	# Move-In	Cost / Move In	Total Cost
Yarder / Loader	8	\$ 500.00	\$ 4,000.00
Dozer	4	\$ 500.00	\$ 2,000.00
Subtotal			\$ 6,000.00

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Other Allowances Costs

Total (16' MBF)

Total Other Allowances Costs	Net Volume	Cost / Net Volume *	Total Buy Out Cost
\$27,479.00	1,532	\$17.94	\$0.00

Fuels Treatment

Detail (16' MBF)

Cost Item	Total Cost	Cost / Net Vol *	Buy Out	Buy Out Cost
Lop and Scatter-Lvl 1	\$ 7,175.00	\$ 4.68	N	\$ 0.00
Hand Pile, Cvr - Level 1	\$ 4,560.00	\$ 2.98	N	\$ 0.00
Hand Pile, Cvr - Level 2	\$ 3,096.00	\$ 2.02	N	\$ 0.00
Hand Pile Brn-Level 1	\$ 448.00	\$ 0.29	N	\$ 0.00
Hand Pile Brn-Level 2	\$ 320.00	\$ 0.21	N	\$ 0.00
Hand Pile Brn-Level 5	\$ 1,160.00	\$ 0.76	N	\$ 0.00
Subtotal	\$ 16,759.00	\$ 10.94		\$ 0.00

Other Costs

Detail (16' MBF)

Cost Item	Total Cost	Cost / Net Vol *	Buy Out	Buy Out Cost
Equipment Washing	\$ 256.00	\$ 0.17	N	\$ 0.00
Ripping	\$ 300.00	\$ 0.20	N	\$ 0.00
Waterbar Skids	\$ 600.00	\$ 0.39	N	\$ 0.00
Stream and Culvert Cleaning	\$ 640.00	\$ 0.42	N	\$ 0.00
Barricades	\$ 600.00	\$ 0.39	N	\$ 0.00
Landing Construction	\$ 4,500.00	\$ 2.94	N	\$ 0.00
Landing Clean up	\$ 2,250.00	\$ 1.47	N	\$ 0.00
Temporary Spur Construction	\$ 1,200.00	\$ 0.78	N	\$ 0.00
Hand Seeding @ 17 lb seed per hour	\$ 166.00	\$ 0.11	N	\$ 0.00
Mulching (2 hours/5 bales)	\$ 208.00	\$ 0.14	N	\$ 0.00
Subtotal	\$ 10,720.00	\$ 7.00		\$ 0.00

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

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Consolidated Comments**

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General

Sale combines the old Healthy Murph, Slim Jim, and Fizzy Stew units. All Ponderosa Pine volume lumped into unit S29-1S. All Incense Cedar volume lumped into unit 31-4. All Western Hemlock volume lumped into unit 13-1A.
Used 16' pond values for Western Hemlock - 32' volume rounded to 0.

Yarding & Loading

Higher logging costs for 25-2A, 25-2B, 3-1A, due to tops of units logged in the Slim jim Timber Sale (310.15/GM MBF).
Higher logging cost for 29-3 due to isolated unit with low volume per acre(310.15/GM MBF).
Higher logging cost for S29-1S due to low volume in the top 1/2 of unit(310.15/GM MBF).
Units S28-1S, S28-1N have powerlines near yarder.
See logging plan for additional information.

Road Costs

(see Engineering Appraisal for details).

Transportation

(see Transportation appendix for details).

Other Allowances

Pile, cover and burn landing decks is labled an Hand Pile Brn-Level 5.

Prospectus

Additional risk of 3% due to low volumes per acre, powerlines, units spread out over multiple road systems, low volumes at top of 5 units (25N-2A, 25N-3A, 3-1A, 13-1A, S29-1S).
10% Total Profit and Risk.

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1. Road Use Fees - Amortization

89Mbf across Rd 32-4-1.0B (89*\$0.51*1.36miles)=\$61.73

R/W Number	Road Number	Rd Use Fee x MBF	Vol x	Road Use Obligation
M2000	32-4-30.4 C-D	0.00	47	\$0.00
M824	32-4-1.0 B	61.73	1	\$61.73

(1) Subtotal \$61.73

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

Road Number and Segment	A Surf N Type	Maint Mi	Vol x Fee x MBF	Total = Maint
32-4-20.0 A	A BST1	0.10	0.65 660	\$42.90
32-5-26.0 A	A BST1	0.70	0.65 442	\$201.11
32-5-26.0 B1	A BST1	0.50	0.65 442	\$143.65
32-4-4.0 A	A ASC	0.73	1.13 47	\$38.77
32-4-9.0 A	A ASC	2.90	1.13 47	\$154.02
32-4-20.0 B	A ASC	0.66	1.13 631	\$470.60
32-4-20.0 C	A ASC	0.48	1.13 631	\$342.25
32-4-20.0 D1	A ASC	1.24	1.13 631	\$884.16
32-4-20.1 A	A ASC	0.65	1.13 29	\$21.30
32-4-31.2	A ASC	0.30	1.13 77	\$26.10
32-4-32.2	A ASC	0.27	1.13 5	\$1.53
32-5-25.0 A	A ASC	2.03	1.13 319	\$731.75
32-5-25.0 B	A ASC	1.02	1.13 199	\$229.37
32-5-25.0 C	A ASC	0.65	1.13 199	\$146.17
32-5-25.1	A GRR	0.22	1.13 47	\$11.68
32-5-26.0 B2	A ASC	0.87	1.13 442	\$434.53
32-5-26.0 C1	A ASC	1.09	1.13 76	\$93.61
32-5-26.0 C2	A ASC	0.42	1.13 76	\$36.07
33-5-3.1	N PRR	0.30	1.30 15	\$5.85
33-5-10.0 A	A ASC	0.24	1.13 223	\$60.48
33-5-10.0 B	A ASC	0.05	1.13 223	\$12.60
33-5-10.1 A	A PRR	1.26	1.13 223	\$317.51
33-5-10.4 A	A PRR	0.81	1.13 223	\$204.11
31-4-27.0 B	A ASC	2.34	1.13 73	\$193.03
32-4-30.4 A	A ASC	0.74	1.13 47	\$39.30
32-4-30.4 B	A ASC	0.16	1.13 47	\$8.50

(2.1) Subtotal \$4850.94

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 and Segment	A Surf N Type	Maint Mi	Vol x Fee x C.Y.	Total = Maint
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(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 and Segment	A N	Maint Mi	Vol x Fee x MBF	Total = Maint	Rkwear Vol Mi	Total = Rkwear	Vol x Fee x MBF	Total = 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
Number	Road Number	MBF/Mi x Mi =	/MBF x Hauled =	Cost

(6) Subtotal

7. Purchaser Maintenance - Rock Wear

TIMBER HAUL (7.1)					ROCK HAUL (7.2) 2/ 3/				
Road No	1/	A	RkWear	Vol	Total	Rkwear	Vol	Total	
and Segment	N	Mi	x Fee	x MBF =	RkWear	Mi	x Fee	x C.Y.=	RkWear
31-4-27.0	C	A	1.56 0.51	73	\$58.08				
32-4-1.0	A	A	2.32 0.51	87	\$102.94				
32-4-12.1	A	N	0.45 0.51	87	\$19.97				
32-4-20.2	A	A	0.40 0.51	29	\$5.92				
32-4-21.0	A	A	0.30 0.51	29	\$4.44				
32-4-28.0		A	1.19 0.51	631	\$382.95				
32-5-25.4		A	0.39 0.51	76	\$15.12				
32-5-25.5		A	0.44 0.00	76	\$0.00	0.00	0.00	0	\$0.00

(7.1) Subtotal \$589.41 (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	1.00	\$335.00
Back Hoe:		1	1	\$335.00	1.00	\$335.00
Loader:				\$335.00	0.59	\$0.00
Water Truck:		1	1	\$206.00	1.00	\$206.00
Dump Truck 2/:		1	1	\$214.00	1.00	\$214.00

(7.3A) Total \$1090.00

- 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
5.00		292.45		\$1462.25

(7.3B) Total \$1462.25

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:	5.00		153.20		1		\$766.00

(7.3C) Total \$3064.00

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 Equipment	No Slides /Slumps	Hours x Each	Equip 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
3.00		10		0.3		30		1		9.0
Load & Haul-Roundtrip =				0.0		0		0		0.0
Fixed Hours (3000 Gal. tanker)										
										Total Hours = 9.0

Truck Cost: \$82.33/Hr. x 9.0 Hours = \$740.97

(7.3E) Total \$740.97

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.

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Summary of All Roads and Projects

T.S. Update 04/15/10

T.S. Contract Name: Slim Timber Sale Sale Date: 7-28-2011

Prepared by: Brown Ph: Print Date: 6/6/2011 12:04:11 PM

Construction: 598.23 sta (Surfaced 0.00 sta Natural 598.23 sta)

Improve: 0.00 sta Renov: 0.00 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:	\$0.00
Culvert: 0 lf wt = 0 lbs	
DownSpout: 0 lf	
PolyPipe: 0 lf	
500 Renovation:	\$19,114.76
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: 0.0 acres	\$15,410.00
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. \$5,183.25 Surf. \$0.00.....	\$5,183.25
Quarry Development:	\$0.00

Total: 1,532 mbf @ \$25.92/mbf = \$39,708.01

Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities are COMPACTED in place cubic yards.

ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Slim Timber Sale Sale Date: 7-28-2011

Road Number: 31-4-27.0 B & C Road Name: McGinnis Creek

Road Construction: 3.90 mi 17 ft Subgrade 3 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:	\$2,857.31
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: 0.0 acres	\$2,618.00
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. \$822.02 Surf. \$0.00.....	\$822.02
Quarry Development:	\$0.00

Total: \$6,297.33

Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities shown are COMPACTED in place cubic yards.

ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Slim Timber Sale Sale Date: 7-28-2011

Road Number: 32-4-1.0 A Road Name: Hauck Ranch Road

Road Construction: 2.32 mi 16 ft Subgrade 3 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:	\$4,159.03
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: 0.0 acres	\$3,944.00
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. \$1,216.52 Surf. \$0.00.....	\$1,216.52
Quarry Development:	\$0.00

Total: \$9,319.55

Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities shown are COMPACTED in place cubic yards.

ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Slim Timber Sale Sale Date: 7-28-2011

Road Number: 32-4-1.0 B Road Name: Hauck Ranch Road

Road Construction: 1.36 mi 16 ft Subgrade 3 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:	\$2,194.84
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: 0.0 acres	\$1,819.00
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. \$602.60 Surf. \$0.00.....	\$602.60
Quarry Development:	\$0.00
Total:	\$4,616.44

Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities shown are COMPACTED in place cubic yards.

ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Slim Timber Sale Sale Date: 7-28-2011

Road Number: 32-4-12.1 A Road Name: Negro Creek Spur

Road Construction: 0.45 mi 14 ft Subgrade 0 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:	\$1,109.03
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: 0.0 acres	\$765.00
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. \$281.35 Surf. \$0.00.....	\$281.35
Quarry Development:	\$0.00
Total:	\$2,155.38

Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities shown are COMPACTED in place cubic yards.

ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Slim Timber Sale Sale Date: 7-28-2011

Road Number: 32-4-20.2 A-B Road Name: Hogum Creek

Road Construction: 0.40 mi 16 ft Subgrade 3 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:	\$1,109.03
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: 0.0 acres	\$1,000.00
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. \$316.63 Surf. \$0.00.....	\$316.63
Quarry Development:	\$0.00
Total:	\$2,425.66

Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities shown are COMPACTED in place cubic yards.

ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Slim Timber Sale Sale Date: 7-28-2011

Road Number: 32-4-21.0 A Road Name: Boulder Creek

Road Construction: 0.30 mi 16 ft Subgrade 3 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:	\$893.12
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: 0.0 acres	\$750.00
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. \$246.68 Surf. \$0.00.....	\$246.68
Quarry Development:	\$0.00

Total: \$1,889.80

Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities shown are COMPACTED in place cubic yards.

ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Slim Timber Sale Sale Date: 7-28-2011

Road Number: 32-4-28.0 Road Name: Jones Creek

Road Construction: 1.19 mi 16 ft Subgrade 0 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:	\$2,194.84
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: 0.0 acres	\$1,725.00
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. \$588.49 Surf. \$0.00.....	\$588.49
Quarry Development:	\$0.00
Total:	\$4,508.33

Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities shown are COMPACTED in place cubic yards.

ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Slim Timber Sale Sale Date: 7-28-2011

Road Number: 32-4-30.2 Road Name: Bull Run Spur 80e

Road Construction: 0.16 mi 16 ft Subgrade 0 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:	\$1,178.16
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: 0.0 acres	\$0.00
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. \$176.88 Surf. \$0.00.....	\$176.88
Quarry Development:	\$0.00

Total: \$1,355.04

Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities shown are COMPACTED in place cubic yards.

ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Slim Timber Sale Sale Date: 7-28-2011

Road Number: 32-4-30.4 C-D Road Name: Lost Bull

Road Construction: 0.42 mi 14 ft Subgrade 0 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:	\$863.77
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: 0.0 acres	\$714.00
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. \$236.87 Surf. \$0.00.....	\$236.87
Quarry Development:	\$0.00

Total: \$1,814.64

Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities shown are COMPACTED in place cubic yards.

ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Slim Timber Sale Sale Date: 7-28-2011

Road Number: 32-5-25.4 Road Name: Jeep

Road Construction: 0.39 mi 14 ft Subgrade 0 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:	\$812.39
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: 0.0 acres	\$975.00
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. \$268.34 Surf. \$0.00.....	\$268.34
Quarry Development:	\$0.00

Total: \$2,055.73

Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities shown are COMPACTED in place cubic yards.

ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Slim Timber Sale Sale Date: 7-28-2011

Road Number: 32-5-25.5 Road Name: Big Bull

Road Construction: 0.44 mi 16 ft Subgrade 0 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:	\$1,743.24
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: 0.0 acres	\$1,100.00
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. \$426.86 Surf. \$0.00.....	\$426.86
Quarry Development:	\$0.00

Total: \$3,270.10

Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities shown are COMPACTED in place cubic yards.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Mobilization Costs - Construction and Surfacing

T.S. Contract Name: Slim Timber Sale Sale Date: 7-28-2011

Average Mobilization distance = 50 miles Factor = 1.00

Mobilization: Construction

Graders-all:	1 ea x (1.00 x \$335.00/ea + 75 mi x \$11.99/mi)= \$1,234.25
Rollers & Comp:	1 ea x (1.00 x \$335.00/ea + 50 mi x \$19.20/mi)= \$1,295.00
RTBackhoes 24/30:	1 ea x (1.00 x \$335.00/ea + 50 mi x \$5.58/mi)= \$614.00
Tractors <= D7:	1 ea x (1.00 x \$492.00/ea + 25 mi x \$30.48/mi)= \$1,254.00
Dump Truck<=10cy:	1 ea x (1.00 x \$187.00/ea + 50 mi x \$3.74/mi)= \$374.00
Water Truck:	1 ea x (1.00 x \$206.00/ea + 50 mi x \$4.12/mi)= \$412.00

Subtotal: \$5,183.25

Mobilization: Surfacing

Subtotal: \$0.00

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Summary of Construction Quantities

T.S. Contract Name: Slim Timber Sale Sale Date: 7-28-2011

Road Number	Const	Improv	Renov	Decomm	Temp
31-4-27.0 B & C	205.92				
32-4-1.0 A	122.50				
32-4-1.0 B	71.81				
32-4-12.1 A	23.76				
32-4-20.2 A-B	21.12				
32-4-21.0 A	15.84				
32-4-28.0	62.83				
32-4-30.2	8.45				
32-4-30.4 C-D	22.18				
32-5-25.4	20.59				
32-5-25.5	23.23				

Total Sta:	598.23				
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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	Totals:	No Quantities
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500 Renovation	Miles	Slide cy
Totals:	0.00	0

Road Maintenance

31-4-27.0 B & C	Backhoe 24 in	6 hr
31-4-27.0 B & C	Motor Grader 14G	8 hr
31-4-27.0 B & C	Vib roller: Steel drum	8 hr
31-4-27.0 B & C	Dump truck 10 cy	4 hr
31-4-27.0 B & C	Water truck 3000 gal	5 hr

Road Maintenance

32-4-1.0 A	Backhoe 24 in	9 hr
32-4-1.0 A	Vib roller: Steel drum	12 hr
32-4-1.0 A	Motor Grader 14G	12 hr
32-4-1.0 A	Dump truck 10 cy	5 hr
32-4-1.0 A	Water truck 3000 gal	7 hr

Road Maintenance

32-4-1.0 B	Backhoe 24 in	5 hr
32-4-1.0 B	Vib roller: Steel drum	6 hr
32-4-1.0 B	Motor Grader 14G	6 hr
32-4-1.0 B	Dump truck 10 cy	3 hr
32-4-1.0 B	Water truck 3000 gal	4 hr

Road Maintenance

32-4-12.1	A	Backhoe 24 in	. . . . .	2 hr
32-4-12.1	A	Vib roller: Steel drum	. . . . .	3 hr
32-4-12.1	A	Motor Grader 14G	. . . . .	3 hr

Continuation of Construction Quantities

32-4-12.1 A	Dump truck 10 cy	. . . . .	2 hr
32-4-12.1 A	Water truck 3000 gal	. . . . .	2 hr
Road Maintenance			
32-4-20.2 A-B	Backhoe 24 in	. . . . .	2 hr
32-4-20.2 A-B	Vib roller: Steel drum	. . . . .	3 hr
32-4-20.2 A-B	Motor Grader 14G	. . . . .	3 hr
32-4-20.2 A-B	Dump truck 10 cy	. . . . .	2 hr
32-4-20.2 A-B	Water truck 3000 gal	. . . . .	2 hr
Road Maintenance			
32-4-21.0 A	Backhoe 24 in	. . . . .	2 hr
32-4-21.0 A	Vib roller: Steel drum	. . . . .	2 hr
32-4-21.0 A	Motor Grader 14G	. . . . .	2 hr
32-4-21.0 A	Dump truck 10 cy	. . . . .	2 hr
32-4-21.0 A	Water truck 3000 gal	. . . . .	2 hr
Road Maintenance			
32-4-28.0	Backhoe 24 in	. . . . .	5 hr
32-4-28.0	Vib roller: Steel drum	. . . . .	6 hr
32-4-28.0	Motor Grader 14G	. . . . .	6 hr
32-4-28.0	Dump truck 10 cy	. . . . .	3 hr
32-4-28.0	Water truck 3000 gal	. . . . .	4 hr
Decommissioning of Road			
32-4-30.2	Tractor: D7 with rippers	. . . . .	6 hr
32-4-30.2	Backhoe 24 in	. . . . .	4 hr
Road Maintenance			
32-4-30.4 C-D	Backhoe 24 in (BARRICADE)	. . . . .	4 hr
32-4-30.4 C-D	Motor Grader 14G	. . . . .	3 hr
32-4-30.4 C-D	Dump truck 10 cy	. . . . .	2 hr
32-4-30.4 C-D	Water truck 3000 gal	. . . . .	1 hr
Road Maintenance			
32-5-25.4	Vib roller: Steel drum	. . . . .	3 hr
32-5-25.4	Motor Grader 14G	. . . . .	3 hr
32-5-25.4	Water truck 3000 gal	. . . . .	2 hr
Road Maintenance			
32-5-25.5	Backhoe 24 in	. . . . .	2 hr
32-5-25.5	Vib roller: Steel drum	. . . . .	4 hr
32-5-25.5	Motor Grader 14G	. . . . .	4 hr
32-5-25.5	Dump truck 10 cy	. . . . .	3 hr
32-5-25.5	Water truck 3000 gal	. . . . .	3 hr
32-5-25.5	Backhoe 24 in (BARRICADE)	. . . . .	4 hr

Surfacing (Cubic Yards)

Totals: 0 0 0 0

1300 Geotextiles

Totals: No Quantities

1400 Slope Protection

Totals: 0

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

Continuation of Construction Quantities

1900 Cattleguards

Totals: No Quantities

2100 RoadSide Brushing

acres

Totals: 0.0

Roadside Brushing

31-4-27.0 B & C

Brush and Scatter Material 1.54 Mile

Roadside Brushing

32-4-1.0 A

Brush and Scatter Material 2.32 Mile

Roadside Brushing

32-4-1.0 B

Brushing and Scattering Material 1.07 Mile

Roadside Brushing

32-4-12.1 A

Brushing and Scattering Material 0.45 Mile

Roadside brushing and chipping

32-4-20.2 A-B

Chipper and Labor 0.40 Mile

Roadside brushing and chipping

32-4-21.0 A

Chipper and Labor 0.30 Mile

Roadside brushing and chipping

32-4-28.0

Chipper and Labor 0.69 Mile

Roadside Brushing

32-4-30.4 C-D

Brushing and Scattering Material 0.42 Mile

Roadside brushing and chipping

32-5-25.4

Chipper and Labor 0.39 Mile

Roadside brushing and chipping

32-5-25.5

Chipper and Labor 0.44 Mile

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

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-TS12-08
Sale Name Slim
Sale Notice (dated) 10/19/2011
BLM District Medford

<input type="checkbox"/> Sealed Bid for Sealed Bid Sale	<input checked="" type="checkbox"/> Written Bid for Oral Auction Sale
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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 **\$6,300.00** - - - - - 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	1,528	X	=	X	=
Ponderosa Pine	MBF	2	X	=	X	=
Western Hemlock	MBF	1	X	=	X	=
Incense Cedar	MBF	1	X	=	X	=
Total		1,532	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).